

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102523\
 Data File : BM042449.D
 Acq On : 25 Oct 2023 22:07
 Operator : MA/JU
 Sample : 04989-01MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TRENCHWAY-SOIL-PILEMSD

Quant Time: Oct 26 00:50:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 21 02:32:53 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/26/2023
 Supervised By :mohammad ahmed 10/26/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	143545	20.000	ng	0.00
21) Naphthalene-d8	10.816	136	575000	20.000	ng	0.00
39) Acenaphthene-d10	14.633	164	332224	20.000	ng	-0.01
64) Phenanthrene-d10	17.386	188	706156	20.000	ng	-0.01
76) Chrysene-d12	21.568	240	676826	20.000	ng	-0.01
86) Perylene-d12	24.027	264	741102	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	997805	98.242	ng	0.00
7) Phenol-d6	7.145	99	1299832	95.498	ng	0.00
23) Nitrobenzene-d5	9.192	82	868355	66.780	ng	0.00
42) 2,4,6-Tribromophenol	16.133	330	458209	125.251	ng	0.00
45) 2-Fluorobiphenyl	13.257	172	1674108	67.857	ng	-0.01
79) Terphenyl-d14	19.997	244	2544811	66.682	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.387	88	179909	37.617	ng	96
3) Pyridine	3.804	79	460399	32.811	ng	96
4) n-Nitrosodimethylamine	3.734	42	260708	36.800	ng	91
6) Aniline	7.328	93	447880	25.845	ng	99
8) 2-Chlorophenol	7.545	128	481837	47.810	ng	96
9) Benzaldehyde	7.151	77	152962	19.295	ng	98
10) Phenol	7.175	94	627233	44.598	ng	99
11) bis(2-Chloroethyl)ether	7.428	93	490660	42.492	ng	97
12) 1,3-Dichlorobenzene	7.869	146	514995	49.404	ng	97
13) 1,4-Dichlorobenzene	8.028	146	530341	50.542	ng	98
14) 1,2-Dichlorobenzene	8.339	146	509916	50.609	ng	97
15) Benzyl Alcohol	8.251	79	456705	45.264	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.522	45	769522m	42.117	ng	
17) 2-Methylphenol	8.434	107	407793	43.939	ng	99
18) Hexachloroethane	9.057	117	203858	50.466	ng	# 90
19) n-Nitroso-di-n-propyla...	8.810	70	403019	43.687	ng	96
20) 3+4-Methylphenols	8.763	107	546841	43.929	ng	99
22) Acetophenone	8.839	105	728420	46.435	ng	97
24) Nitrobenzene	9.233	77	585945	45.041	ng	97
25) Isophorone	9.745	82	1063199	48.113	ng	98
26) 2-Nitrophenol	9.933	139	258555	51.434	ng	96
27) 2,4-Dimethylphenol	9.975	122	404989	45.182	ng	99
28) bis(2-Chloroethoxy)met...	10.227	93	642955	45.923	ng	100
29) 2,4-Dichlorophenol	10.457	162	447784	57.445	ng	97
30) 1,2,4-Trichlorobenzene	10.663	180	475512	56.903	ng	97
31) Naphthalene	10.863	128	1465773	49.629	ng	100
32) Benzoic acid	10.116	122	360411	54.201	ng	98
33) 4-Chloroaniline	10.998	127	232499	18.131	ng	99
34) Hexachlorobutadiene	11.092	225	284631	62.944	ng	98
35) Caprolactam	11.827	113	148532	48.002	ng	92
36) 4-Chloro-3-methylphenol	12.098	107	493874	52.503	ng	98
37) 2-Methylnaphthalene	12.469	142	971293	48.854	ng	98
38) 1-Methylnaphthalene	12.686	142	946119	50.797	ng	98
40) 1,2,4,5-Tetrachloroben...	12.816	216	532529	55.446	ng	97
41) Hexachlorocyclopentadiene	12.763	237	358944	69.561	ng	99
43) 2,4,6-Trichlorophenol	13.069	196	351764	56.577	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102523\
 Data File : BM042449.D
 Acq On : 25 Oct 2023 22:07
 Operator : MA/JU
 Sample : 04989-01MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TRENCHWAY-SOIL-PILEMSD

Quant Time: Oct 26 00:50:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 21 02:32:53 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/26/2023
 Supervised By :mohammad ahmed 10/26/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.139	196	383541	52.184	ng	94
46) 1,1'-Biphenyl	13.474	154	1286815	48.825	ng	97
47) 2-Chloronaphthalene	13.521	162	971153	50.225	ng	98
48) 2-Nitroaniline	13.757	65	348936	41.388	ng	90
49) Acenaphthylene	14.368	152	1619694	51.886	ng	100
50) Dimethylphthalate	14.104	163	1189572	48.815	ng	99
51) 2,6-Dinitrotoluene	14.245	165	259553	47.222	ng	85
52) Acenaphthene	14.704	154	921426	48.824	ng	99
53) 3-Nitroaniline	14.580	138	195497	31.191	ng	98
54) 2,4-Dinitrophenol	14.786	184	237922	70.848	ng	92
55) Dibenzofuran	15.033	168	1481442	49.630	ng	97
56) 4-Nitrophenol	14.874	139	506878	102.129	ng	93
57) 2,4-Dinitrotoluene	15.027	165	354258	48.127	ng	85
58) Fluorene	15.686	166	1193594	50.673	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.251	232	336276	60.904	ng	89
60) Diethylphthalate	15.445	149	1190182	49.492	ng	98
61) 4-Chlorophenyl-phenyle...	15.674	204	602601	54.323	ng	92
62) 4-Nitroaniline	15.745	138	263984	42.628	ng	96
63) Azobenzene	15.968	77	1312967	45.508	ng	94
65) 4,6-Dinitro-2-methylph...	15.774	198	158300	36.731	ng	83
66) n-Nitrosodiphenylamine	15.898	169	1014067	47.678	ng	99
67) 4-Bromophenyl-phenylether	16.568	248	317613	48.529	ng	95
68) Hexachlorobenzene	16.657	284	418610	59.838	ng	# 91
69) Atrazine	16.845	200	373641	69.274	ng	99
70) Pentachlorophenol	17.015	266	604767	101.790	ng	99
71) Phenanthrene	17.433	178	1932714	50.311	ng	100
72) Anthracene	17.521	178	1906997	50.124	ng	99
73) Carbazole	17.809	167	1770811	49.614	ng	99
74) Di-n-butylphthalate	18.327	149	2207020	48.784	ng	99
75) Fluoranthene	19.439	202	2407698	56.908	ng	98
77) Benzidine	19.650	184	1230299	125.672	ng	99
78) Pyrene	19.809	202	2477719	52.387	ng	99
80) Butylbenzylphthalate	20.686	149	1061148	49.394	ng	90
81) Benzo(a)anthracene	21.550	228	2379310	52.439	ng	100
82) 3,3'-Dichlorobenzidine	21.491	252	744799	54.988	ng	# 97
83) Chrysene	21.609	228	2142517	49.164	ng	100
84) Bis(2-ethylhexyl)phtha...	21.427	149	1560981	50.990	ng	# 96
85) Di-n-octyl phthalate	22.374	149	2722203	51.486	ng	95
87) Indeno(1,2,3-cd)pyrene	26.615	276	2538807	46.876	ng	94
88) Benzo(b)fluoranthene	23.268	252	2312399m	51.837	ng	
89) Benzo(k)fluoranthene	23.315	252	2114375	45.653	ng	98
90) Benzo(a)pyrene	23.921	252	1986036	46.255	ng	97
91) Dibenzo(a,h)anthracene	26.632	278	2090143	46.417	ng	# 95
92) Benzo(g,h,i)perylene	27.421	276	2015981	46.100	ng	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

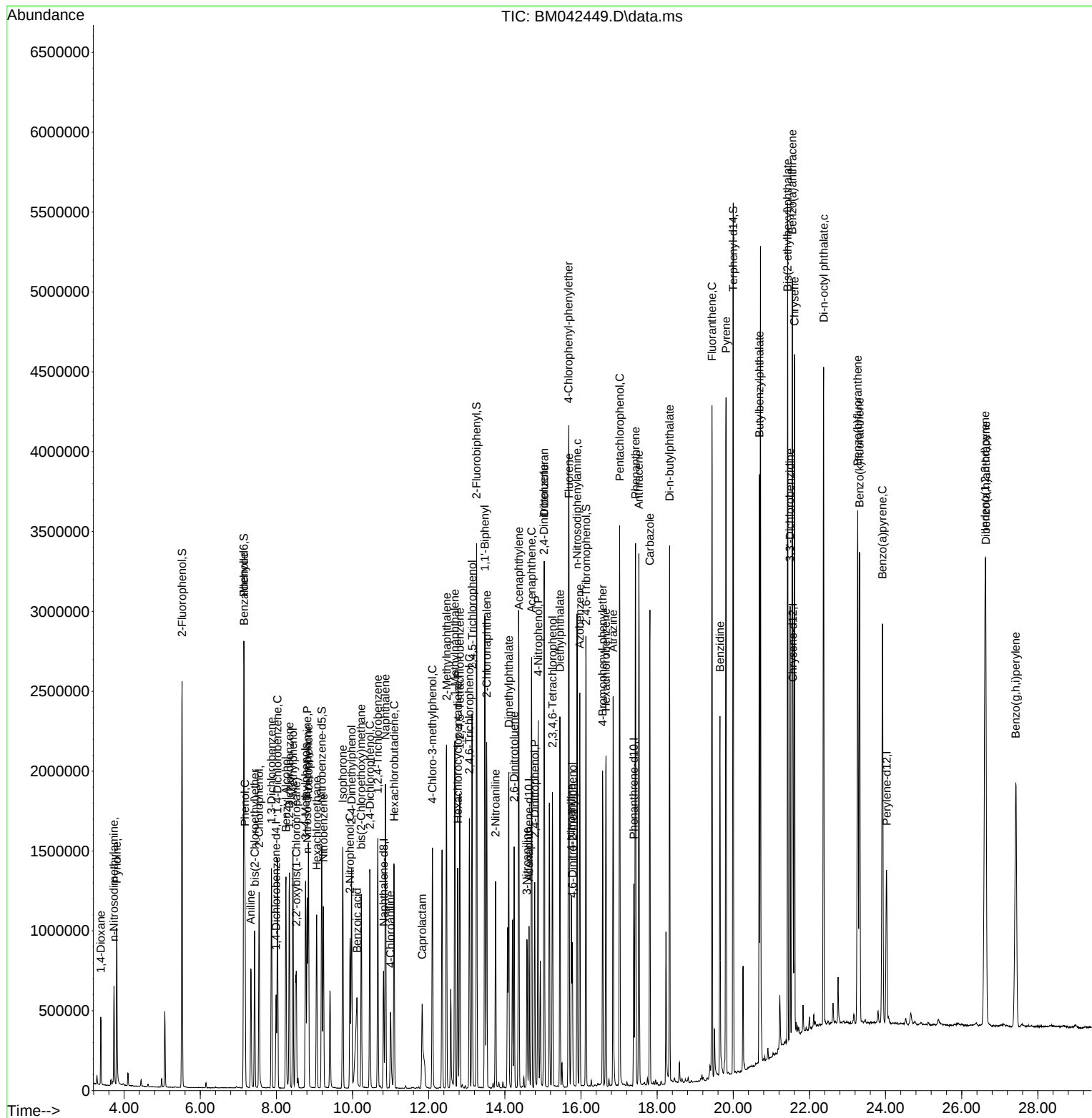
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102523\
 Data File : BM042449.D
 Acq On : 25 Oct 2023 22:07
 Operator : MA/JU
 Sample : 04989-01MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

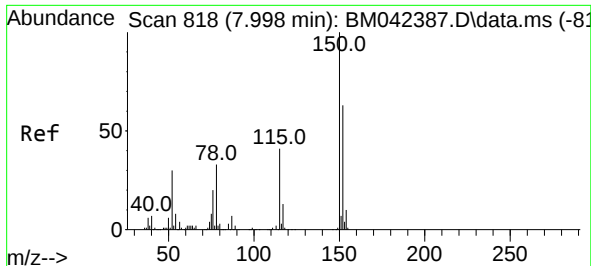
Instrument :
 BNA_M
 ClientSampleId :
 TRENCHWAY-SOIL-PILEMSD

Quant Time: Oct 26 00:50:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 21 02:32:53 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

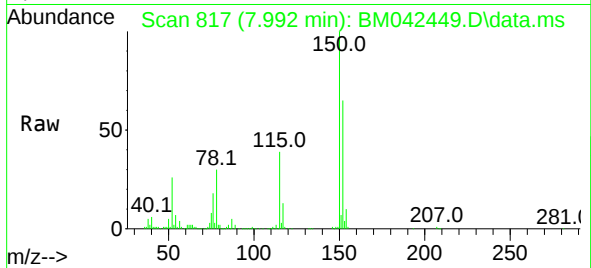
Reviewed By :Yogesh Patel 10/26/2023
 Supervised By :mohammad ahmed 10/26/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.992 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

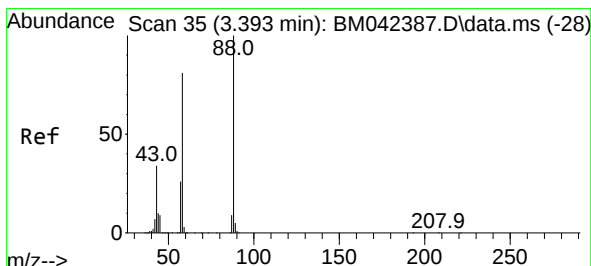
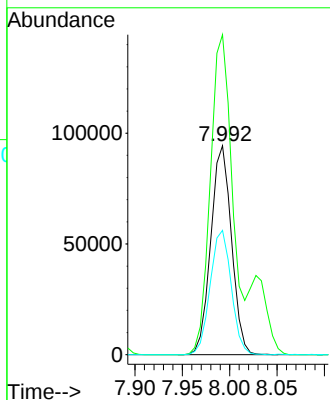
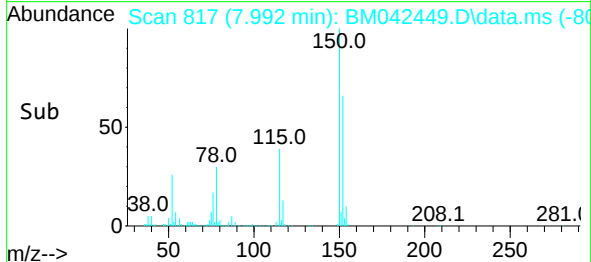
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



Tgt Ion:152 Resp: 14354
Ion Ratio Lower Upper
152 100
150 153.1 126.2 189.4
115 59.5 51.9 77.9

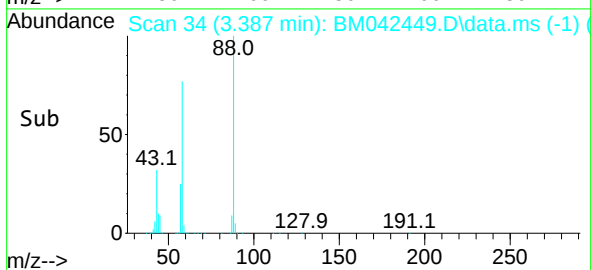
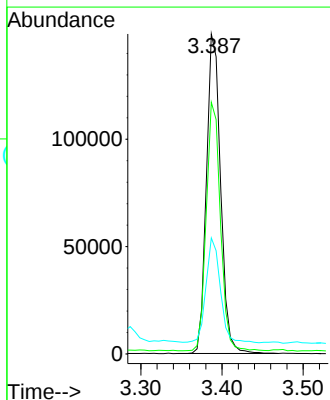
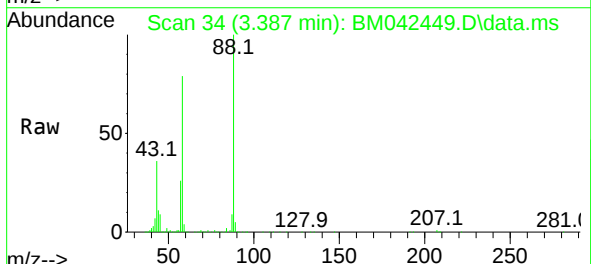
Manual Integrations
APPROVED

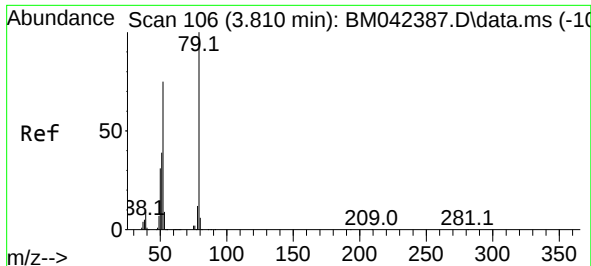
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023



#2
1,4-Dioxane
Concen: 37.617 ng
RT: 3.387 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

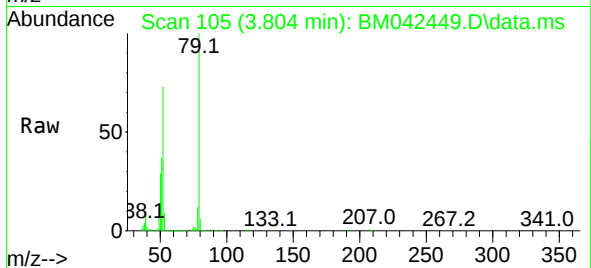
Tgt Ion: 88 Resp: 179909
Ion Ratio Lower Upper
88 100
58 77.7 64.9 97.3
43 33.0 27.8 41.8





#3
Pyridine
Concen: 32.811 ng
RT: 3.804 min Scan# 106
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

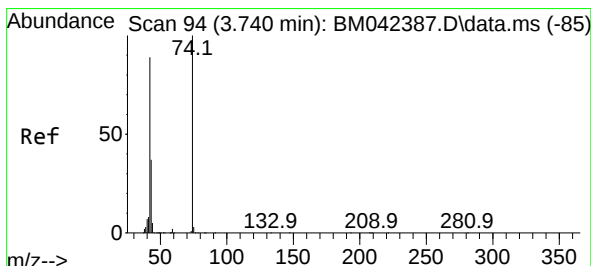
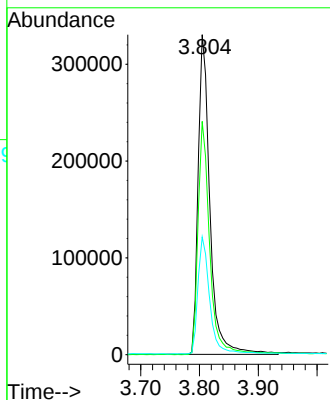
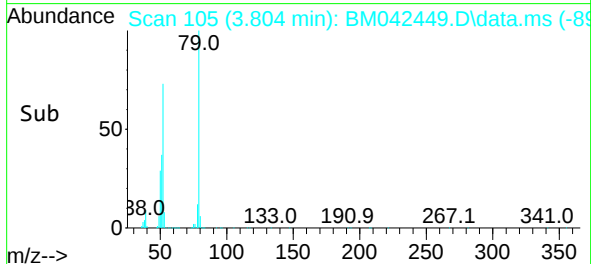
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



Tgt Ion: 79 Resp: 460399
Ion Ratio Lower Upper
79 100
52 72.9 60.3 90.5
51 36.8 32.0 48.0

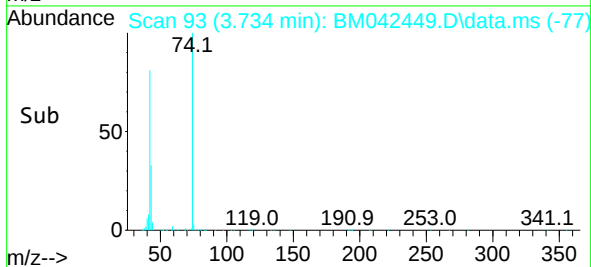
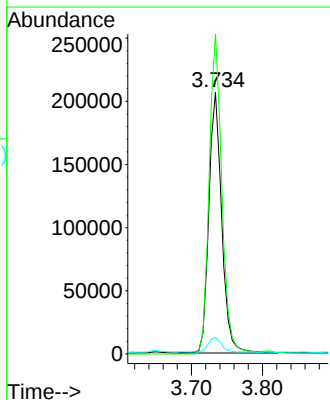
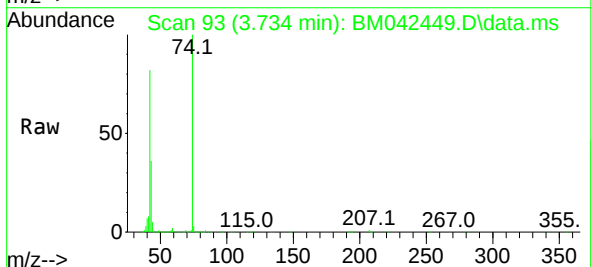
Manual Integrations
APPROVED

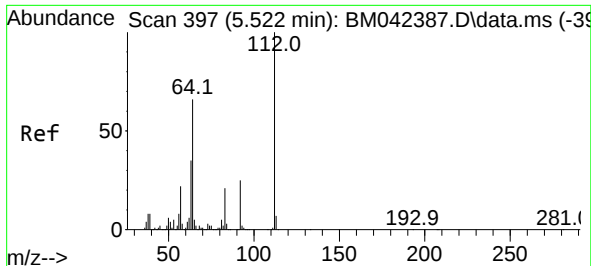
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023



#4
n-Nitrosodimethylamine
Concen: 36.800 ng
RT: 3.734 min Scan# 93
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

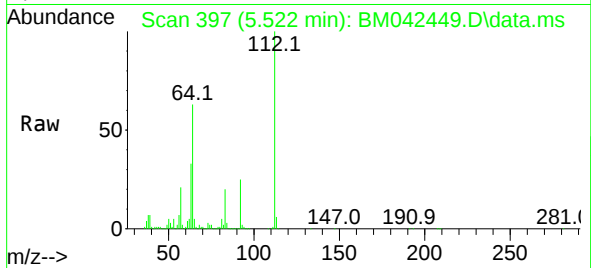
Tgt Ion: 42 Resp: 260708
Ion Ratio Lower Upper
42 100
74 122.3 89.4 134.2
44 6.3 5.4 8.0





#5
2-Fluorophenol
Concen: 98.242 ng
RT: 5.522 min Scan# 397
Delta R.T. -0.000 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

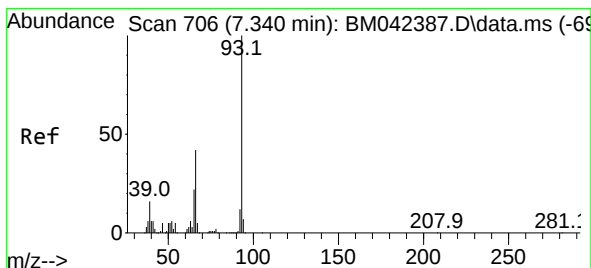
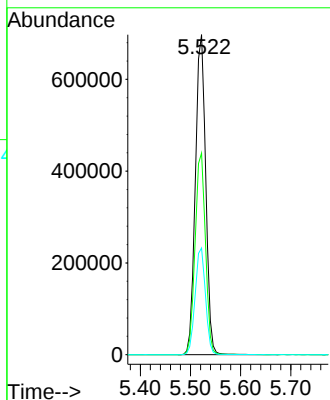
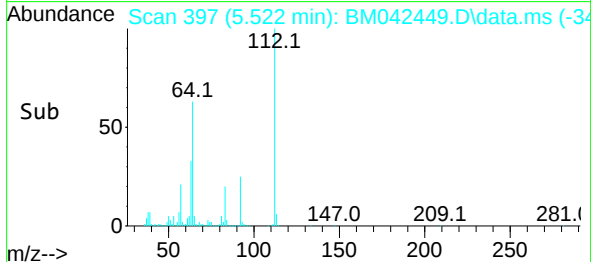
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



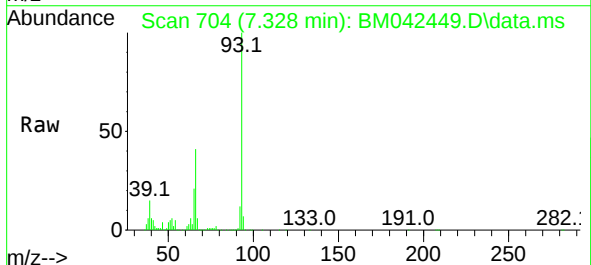
Tgt Ion: 112 Resp: 997809
Ion Ratio Lower Upper
112 100
64 63.0 52.7 79.1
63 33.3 28.3 42.5

Manual Integrations
APPROVED

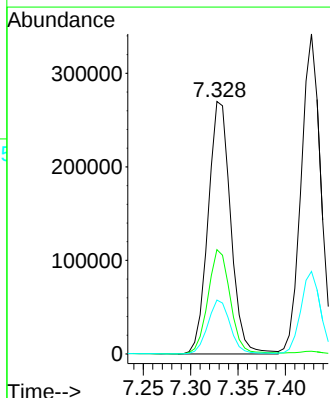
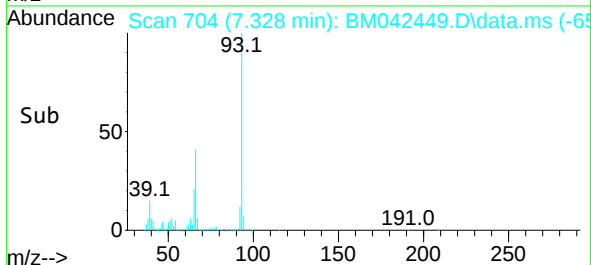
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023

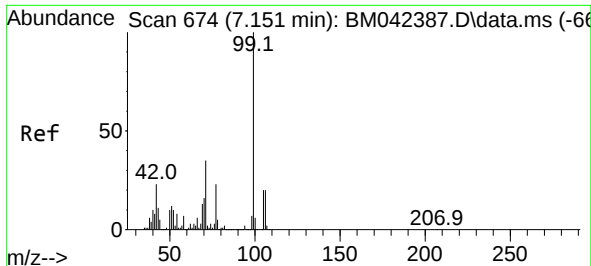


#6
Aniline
Concen: 25.845 ng
RT: 7.328 min Scan# 704
Delta R.T. -0.012 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07



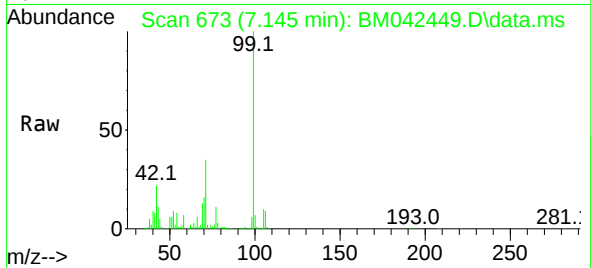
Tgt Ion: 93 Resp: 447880
Ion Ratio Lower Upper
93 100
66 41.4 33.8 50.8
65 21.3 17.4 26.2





#7
Phenol-d6
Concen: 95.498 ng
RT: 7.145 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

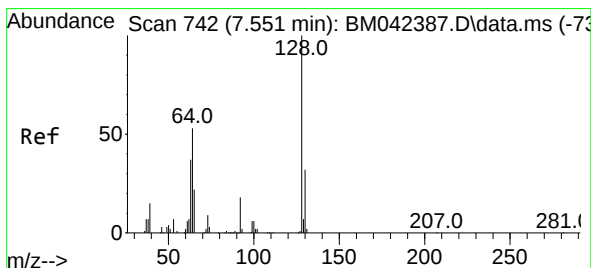
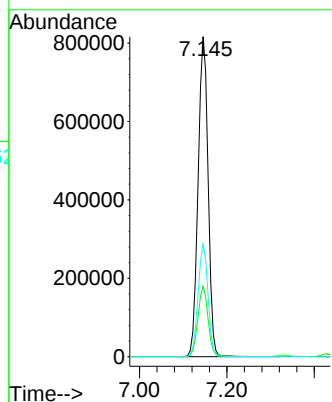
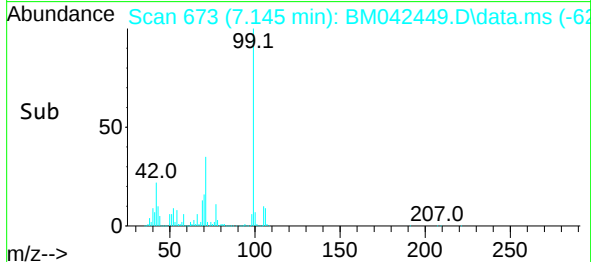
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



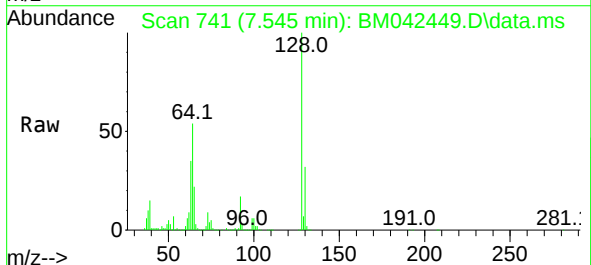
Tgt Ion: 99 Resp: 129983
Ion Ratio Lower Upper
99 100
42 22.0 18.5 27.7
71 35.2 27.7 41.5

Manual Integrations
APPROVED

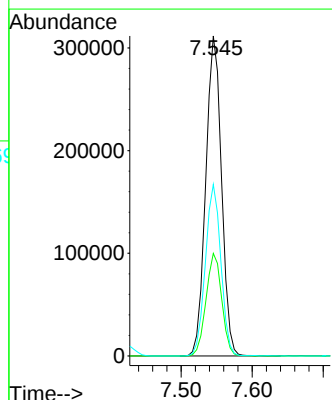
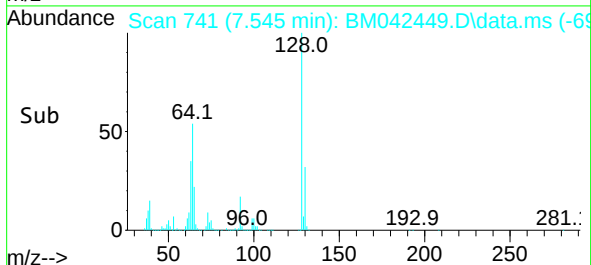
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023

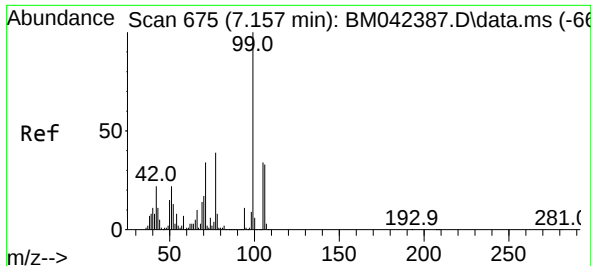


#8
2-Chlorophenol
Concen: 47.810 ng
RT: 7.545 min Scan# 741
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07



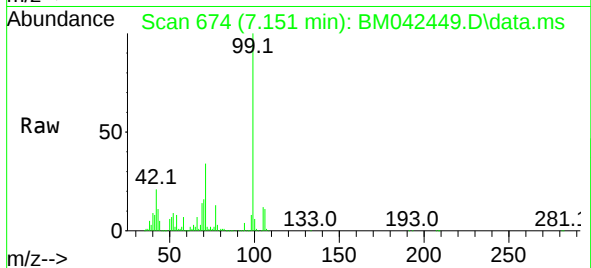
Tgt Ion:128 Resp: 481837
Ion Ratio Lower Upper
128 100
130 32.0 12.1 52.1
64 53.6 38.2 78.2





#9
Benzaldehyde
Concen: 19.295 ng
RT: 7.151 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

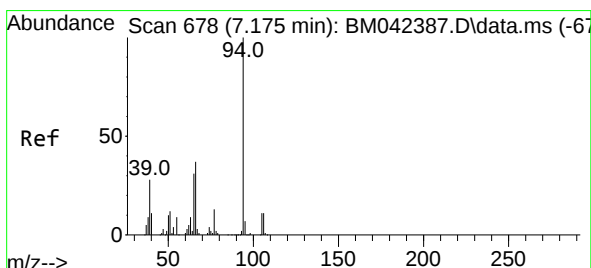
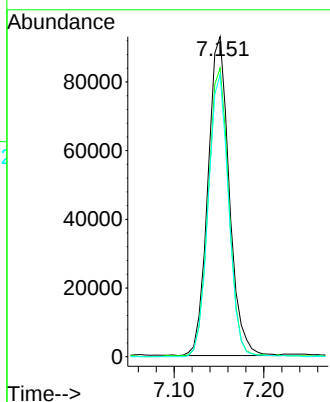
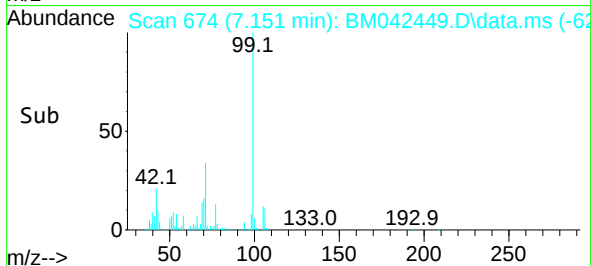
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



Tgt Ion: 77 Resp: 152962
Ion Ratio Lower Upper
77 100
105 90.2 68.7 108.7
106 88.1 65.8 105.8

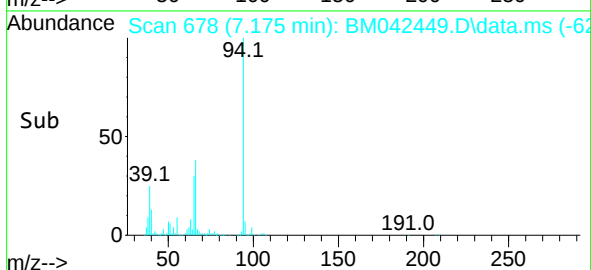
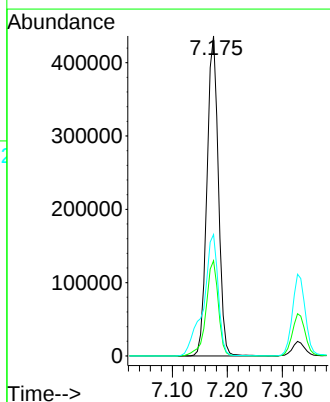
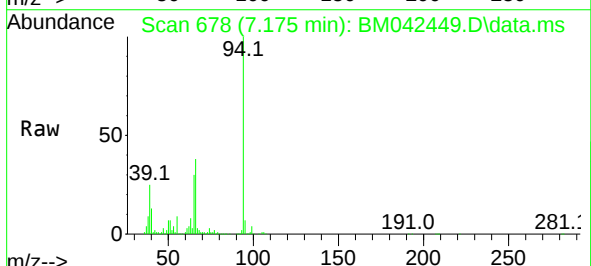
Manual Integrations
APPROVED

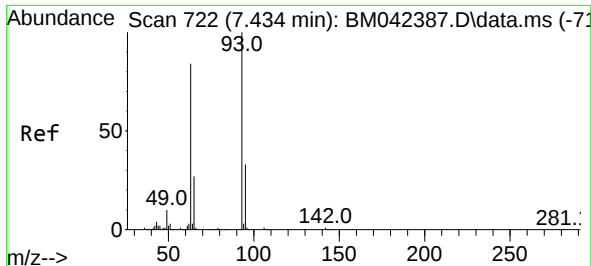
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023



#10
Phenol
Concen: 44.598 ng
RT: 7.175 min Scan# 678
Delta R.T. -0.000 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

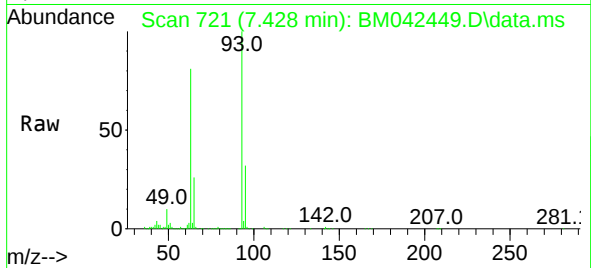
Tgt Ion: 94 Resp: 627233
Ion Ratio Lower Upper
94 100
65 29.8 10.9 50.9
66 38.0 18.2 58.2





#11
bis(2-Chloroethyl)ether
Concen: 42.492 ng
RT: 7.428 min Scan# 711
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

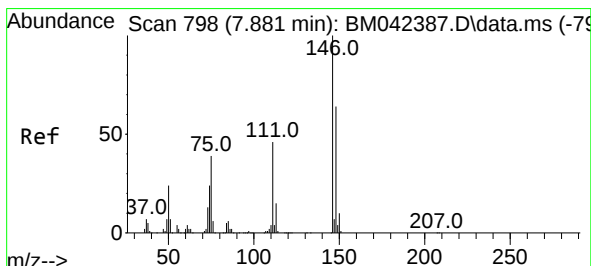
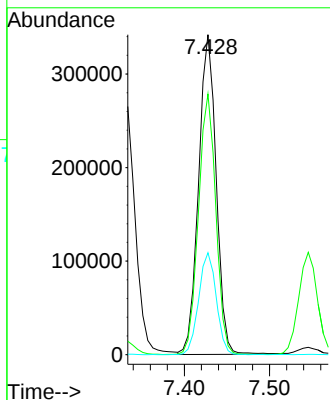
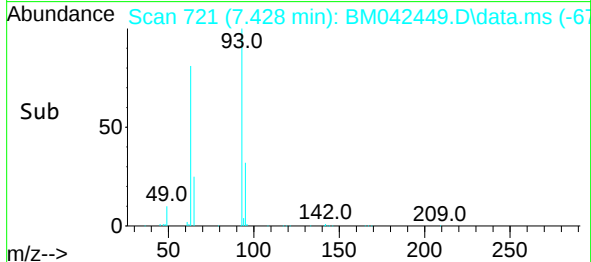
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



Tgt Ion: 93 Resp: 490660
Ion Ratio Lower Upper
93 100
63 81.5 64.2 104.2
95 31.9 12.6 52.6

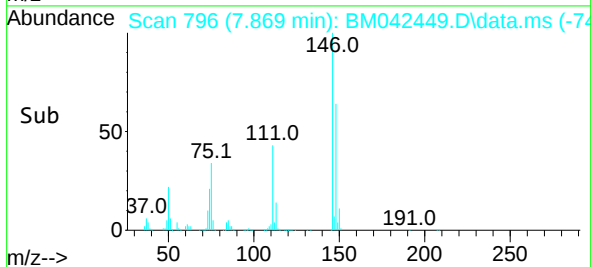
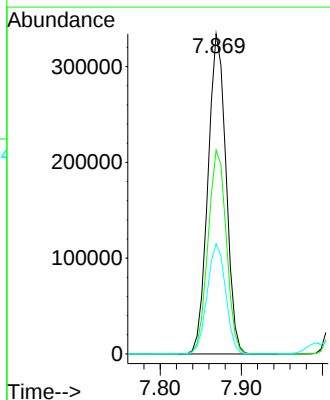
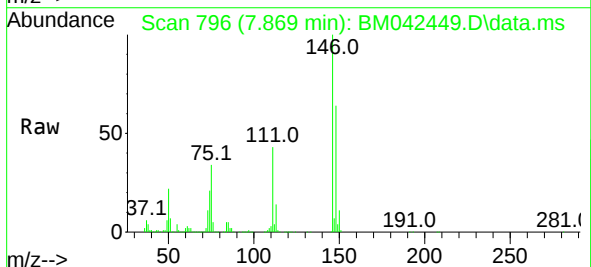
Manual Integrations
APPROVED

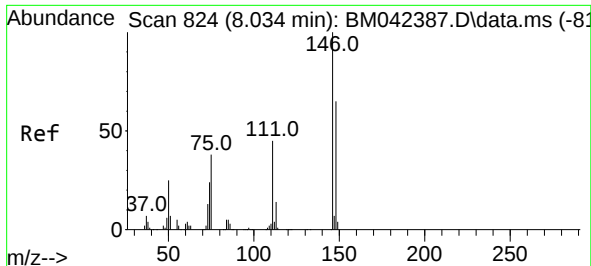
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023



#12
1,3-Dichlorobenzene
Concen: 49.404 ng
RT: 7.869 min Scan# 796
Delta R.T. -0.012 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

Tgt Ion:146 Resp: 514995
Ion Ratio Lower Upper
146 100
148 63.7 51.4 77.2
75 34.4 30.9 46.3





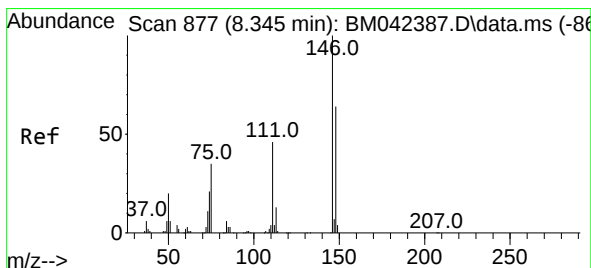
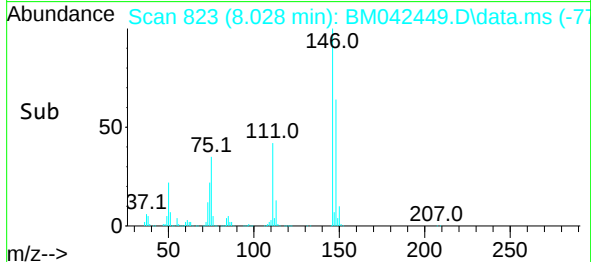
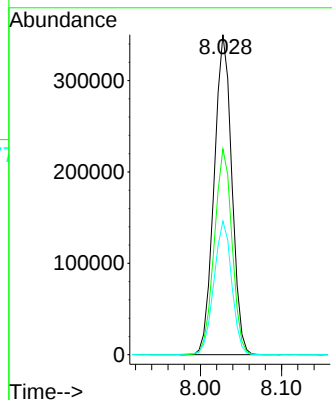
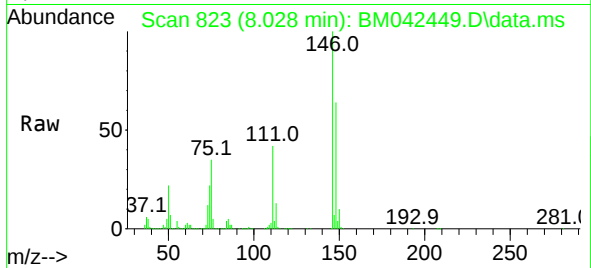
#13
1,4-Dichlorobenzene
Concen: 50.542 ng
RT: 8.028 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD

Tgt Ion:146 Resp: 53034
Ion Ratio Lower Upper
146 100
148 64.3 51.8 77.6
111 41.8 35.9 53.9

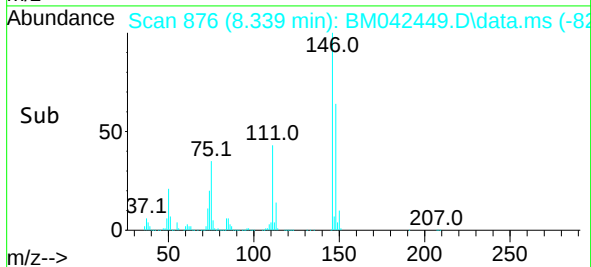
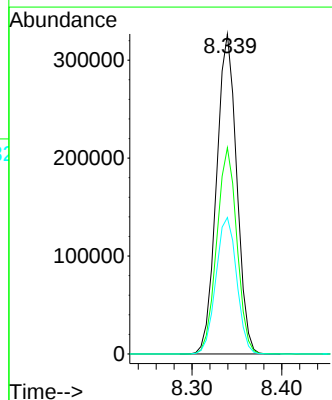
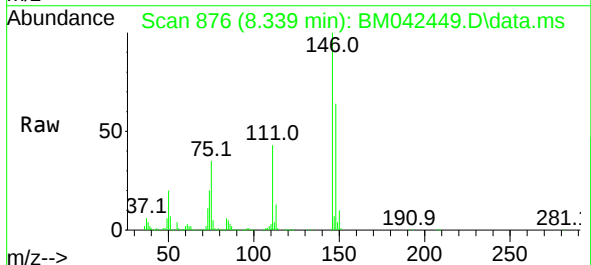
Manual Integrations
APPROVED

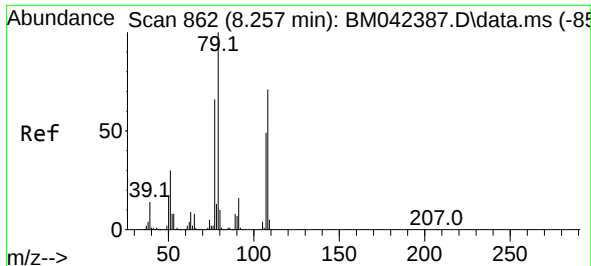
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023



#14
1,2-Dichlorobenzene
Concen: 50.609 ng
RT: 8.339 min Scan# 876
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

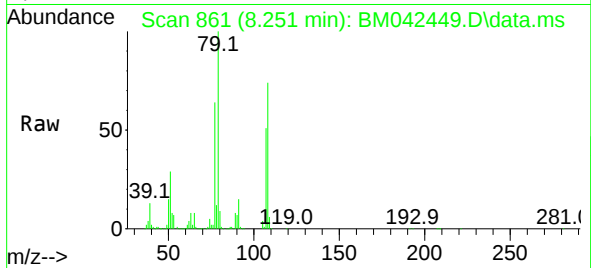
Tgt Ion:146 Resp: 509916
Ion Ratio Lower Upper
146 100
148 64.5 51.0 76.4
111 42.7 37.2 55.8





#15
Benzyl Alcohol
Concen: 45.264 ng
RT: 8.251 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

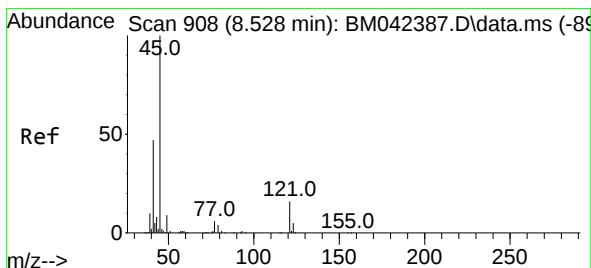
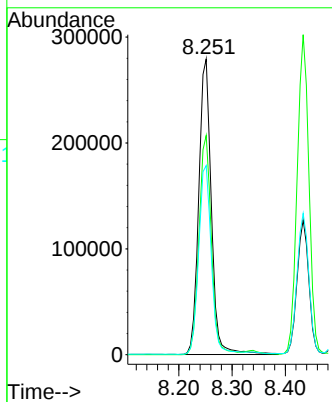
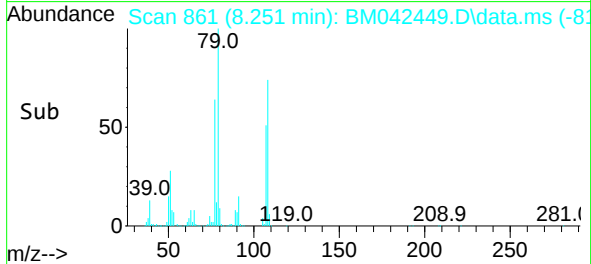
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



Tgt Ion: 79 Resp: 45670
Ion Ratio Lower Upper
79 100
108 74.1 57.1 85.7
77 63.9 52.9 79.3

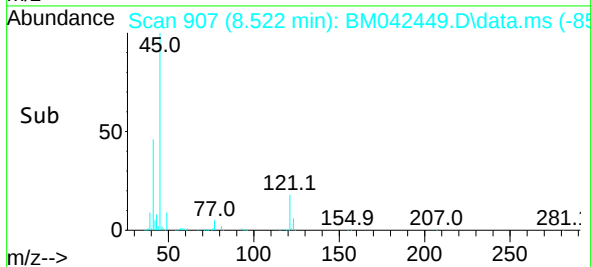
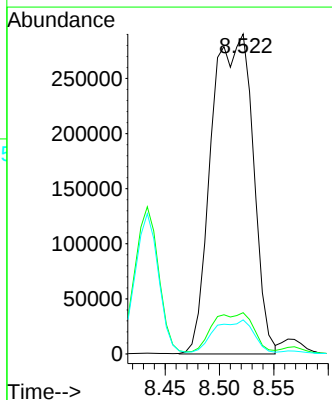
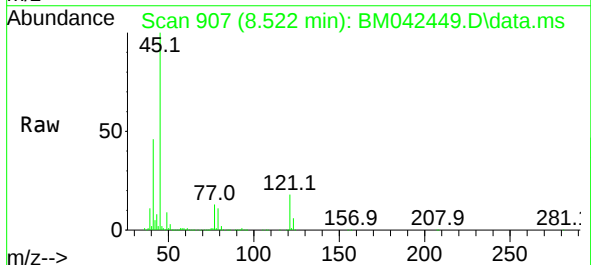
Manual Integrations
APPROVED

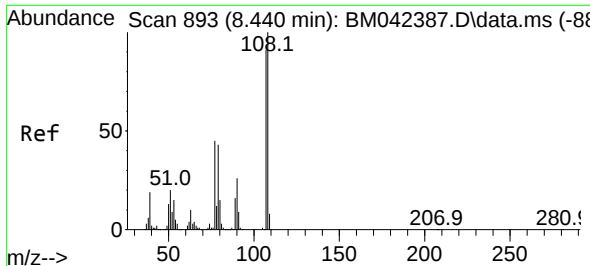
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.117 ng m
RT: 8.522 min Scan# 907
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

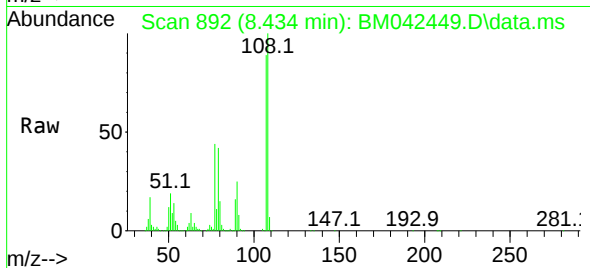
Tgt Ion: 45 Resp: 769522
Ion Ratio Lower Upper
45 100
77 12.9 0.0 32.2
79 10.7 0.0 30.4





#17
2-Methylphenol
Concen: 43.939 ng
RT: 8.434 min Scan# 893
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

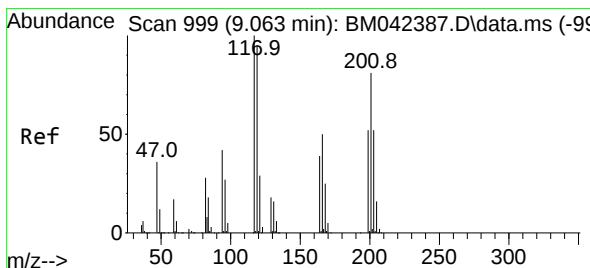
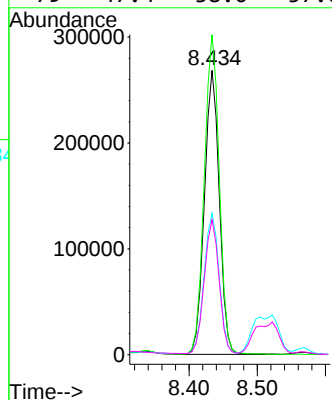
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



Tgt Ion	Ratio	Lower	Upper
107	100		
108	112.5	88.2	132.4
77	49.7	40.1	60.1
79	47.4	38.0	57.0

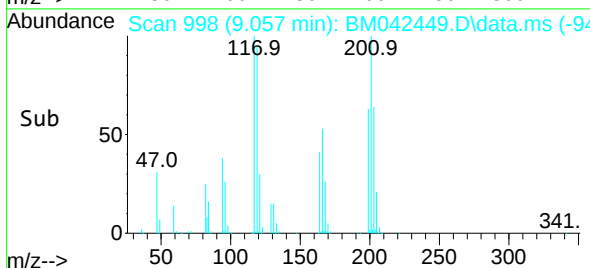
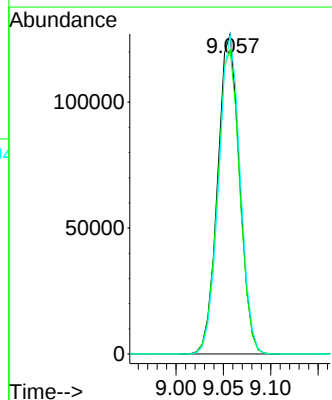
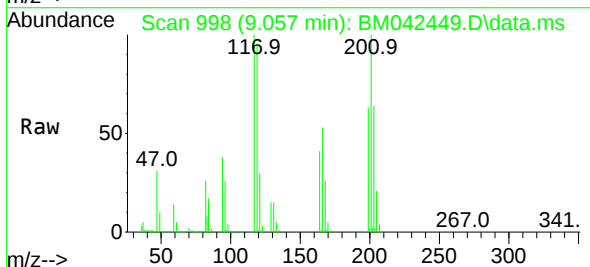
Manual Integrations
APPROVED

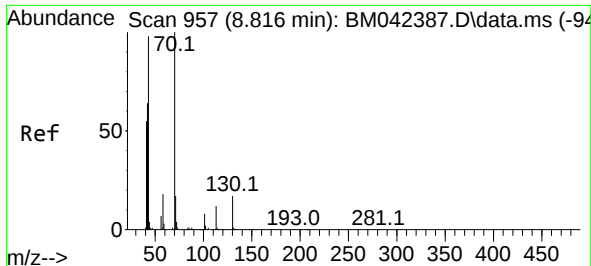
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023



#18
Hexachloroethane
Concen: 50.466 ng
RT: 9.057 min Scan# 998
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.9	113.9
201	99.5	64.6	97.0





#19

n-Nitroso-di-n-propylamine

Concen: 43.687 ng

RT: 8.810 min Scan# 957

Delta R.T. -0.006 min

Lab File: BM042449.D

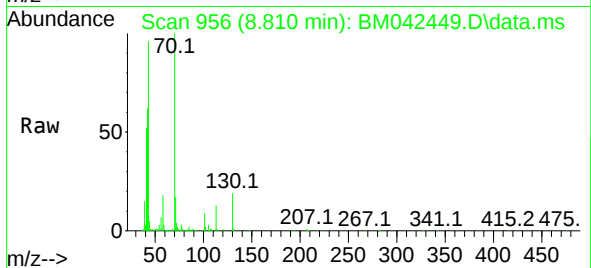
Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD



Tgt Ion: 70 Resp: 403019

Ion Ratio Lower Upper

70 100

42 61.8 52.1 78.1

101 9.3 6.5 9.7

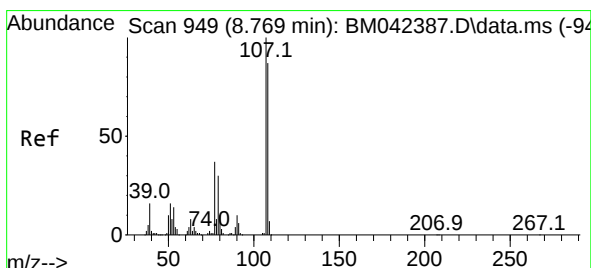
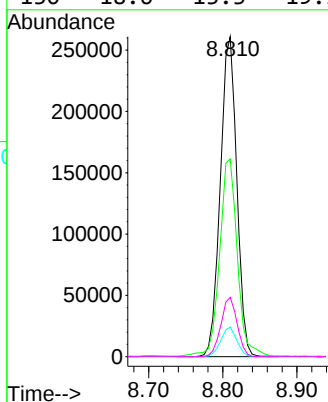
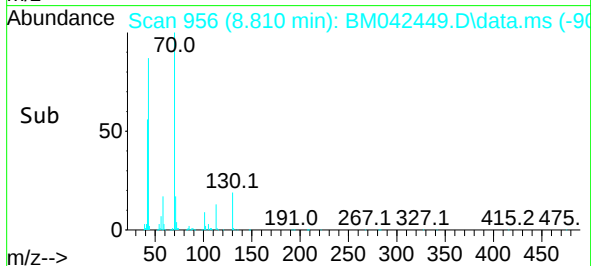
130 18.6 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/26/2023

Supervised By :mohammad ahmed 10/26/2023



#20

3+4-Methylphenols

Concen: 43.929 ng

RT: 8.763 min Scan# 948

Delta R.T. -0.006 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Tgt Ion:107 Resp: 546841

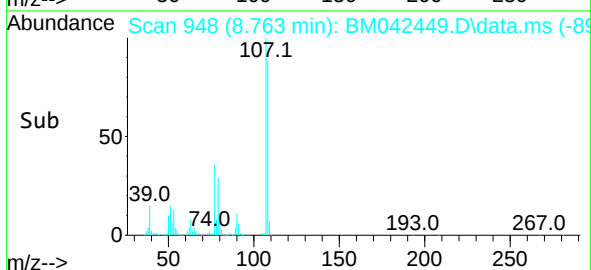
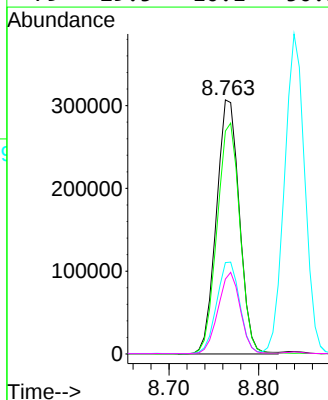
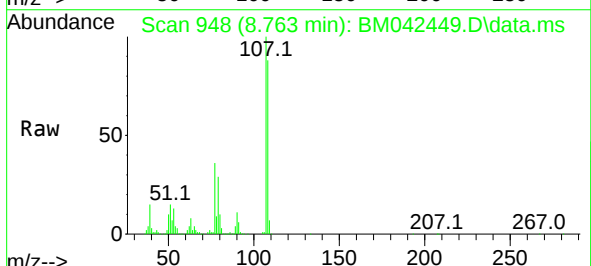
Ion Ratio Lower Upper

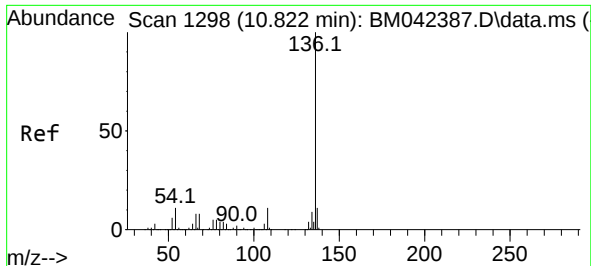
107 100

108 87.7 67.2 107.2

77 36.0 16.8 56.8

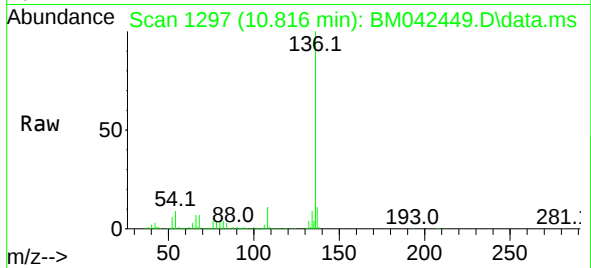
79 29.5 10.1 50.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.816 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

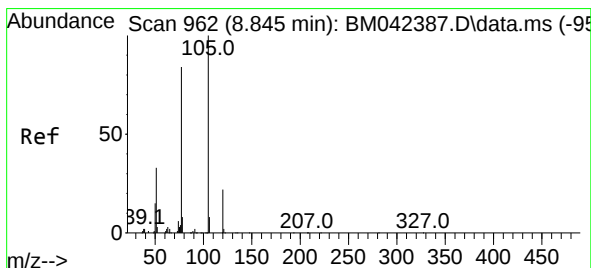
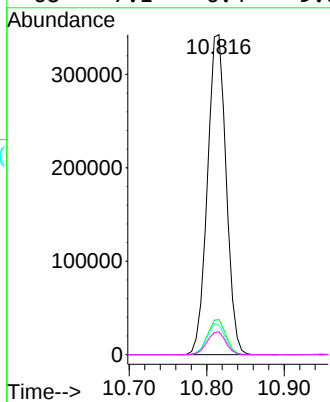
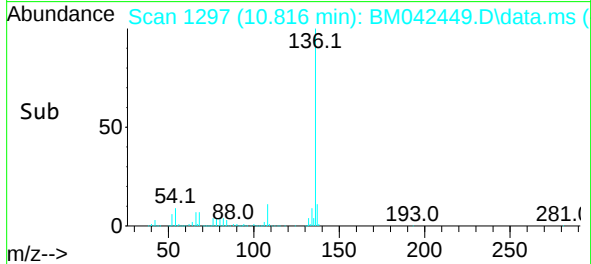
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



Tgt Ion:136 Resp: 575000
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 9.2 8.6 12.8
68 7.1 6.4 9.6

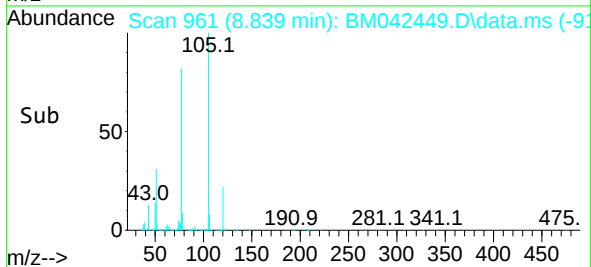
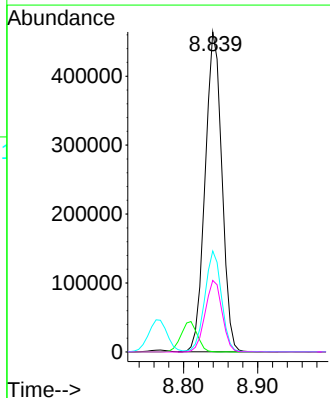
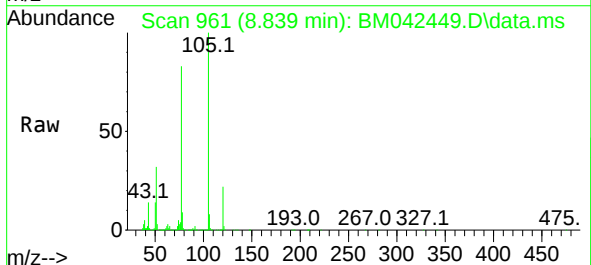
Manual Integrations
APPROVED

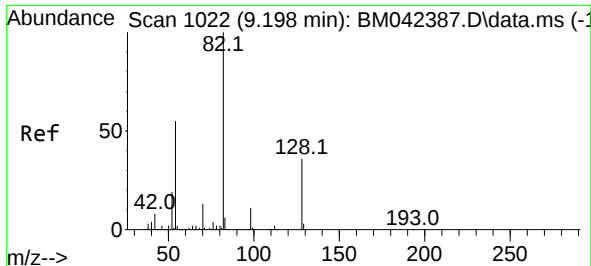
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023



#22
Acetophenone
Concen: 46.435 ng
RT: 8.839 min Scan# 961
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

Tgt Ion:105 Resp: 728420
Ion Ratio Lower Upper
105 100
71 0.1 0.1 0.1
51 31.5 27.1 40.7
120 22.3 17.3 25.9





#23

Nitrobenzene-d5

Concen: 66.780 ng

RT: 9.192 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BM042449.D

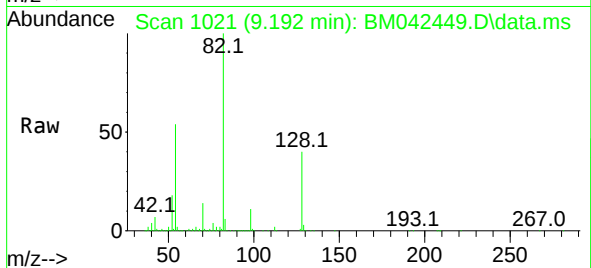
Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD



Tgt Ion: 82 Resp: 86835

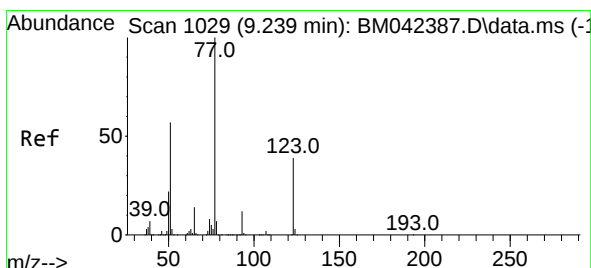
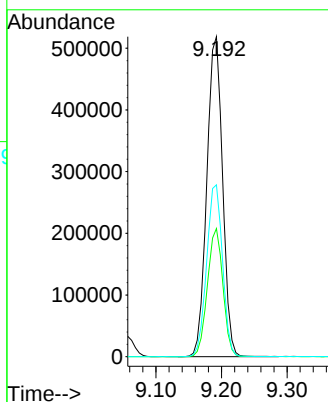
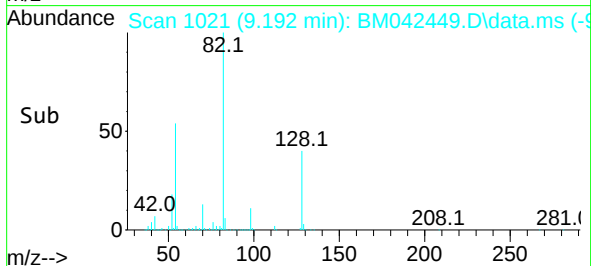
Ion	Ratio	Lower	Upper
82	100		
128	40.1	29.0	43.6
54	53.7	43.7	65.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/26/2023

Supervised By :mohammad ahmed 10/26/2023



#24

Nitrobenzene

Concen: 45.041 ng

RT: 9.233 min Scan# 1028

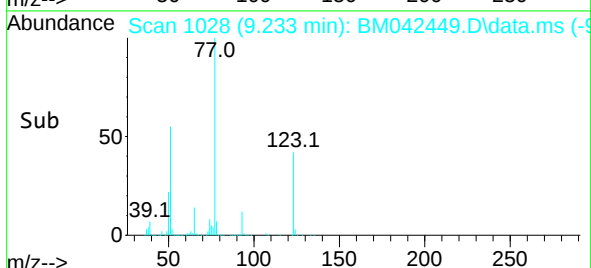
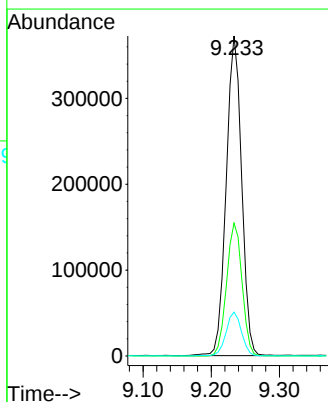
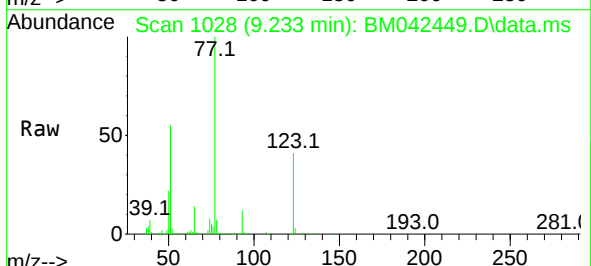
Delta R.T. -0.006 min

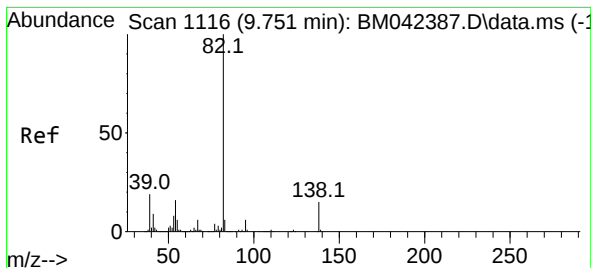
Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Tgt Ion: 77 Resp: 585945

Ion	Ratio	Lower	Upper
77	100		
123	41.5	31.2	46.8
65	13.7	11.4	17.0





#25

Isophorone

Concen: 48.113 ng

RT: 9.745 min Scan# 1116

Delta R.T. -0.006 min

Lab File: BM042449.D

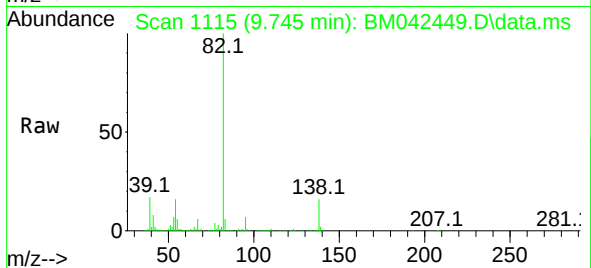
Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD



Tgt Ion: 82 Resp: 106319

Ion Ratio Lower Upper

82 100

95 6.7 5.1 7.7

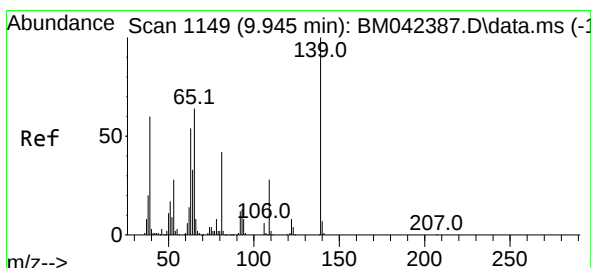
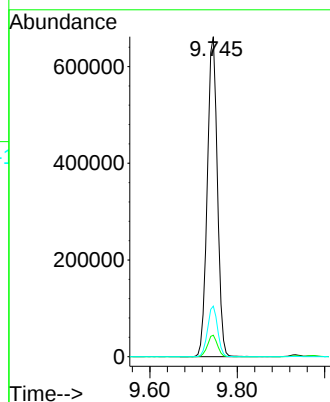
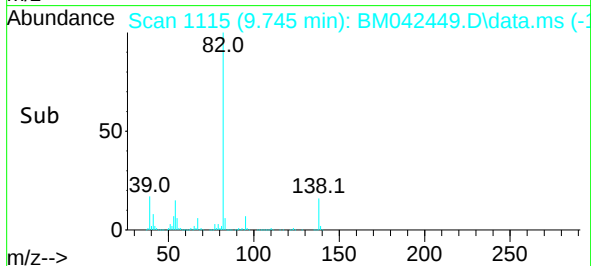
138 15.8 11.8 17.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/26/2023

Supervised By :mohammad ahmed 10/26/2023



#26

2-Nitrophenol

Concen: 51.434 ng

RT: 9.933 min Scan# 1147

Delta R.T. -0.012 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

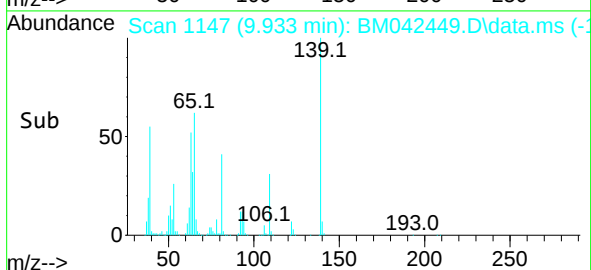
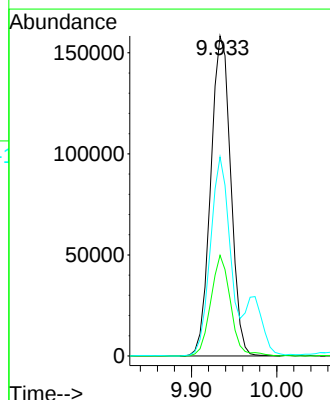
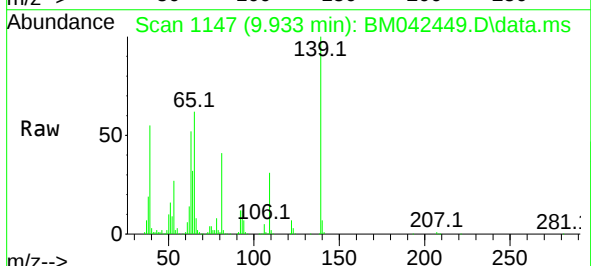
Tgt Ion:139 Resp: 258555

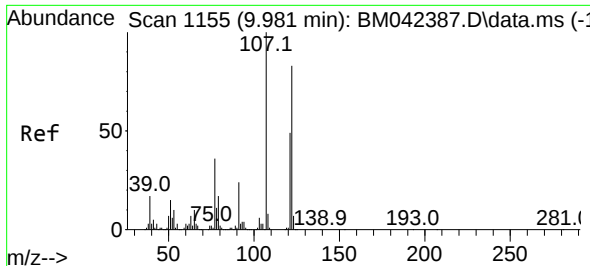
Ion Ratio Lower Upper

139 100

109 31.4 22.3 33.5

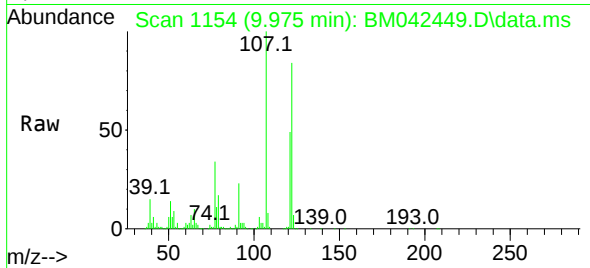
65 62.2 51.1 76.7





#27
2,4-Dimethylphenol
Concen: 45.182 ng
RT: 9.975 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

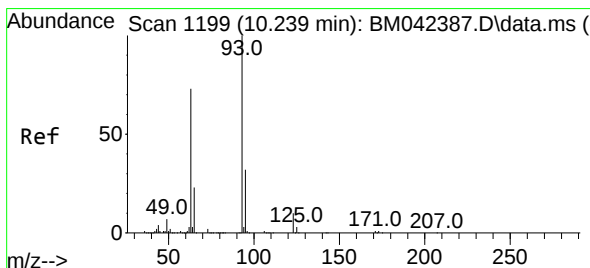
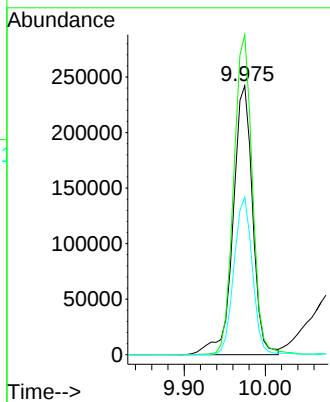
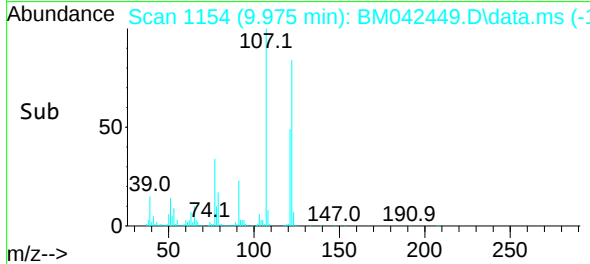
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



Tgt Ion:122 Resp: 404989
Ion Ratio Lower Upper
122 100
107 119.0 96.3 144.5
121 58.7 47.0 70.6

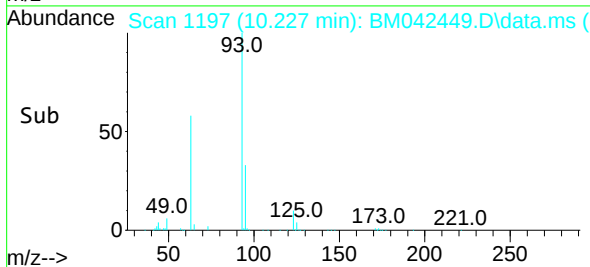
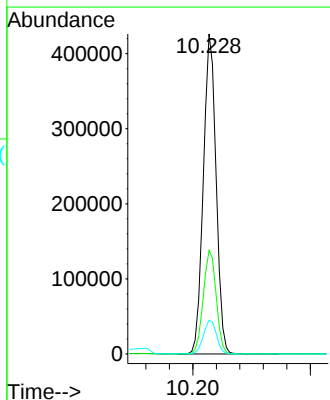
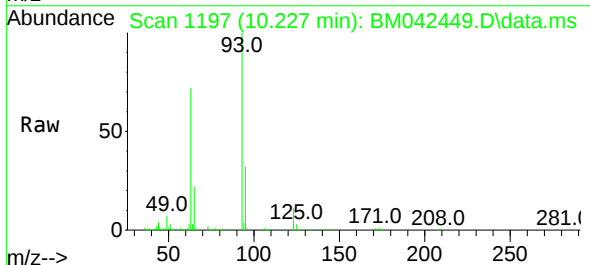
Manual Integrations
APPROVED

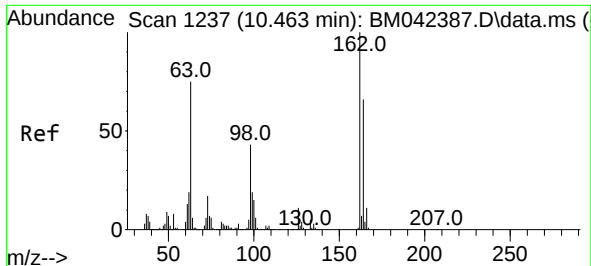
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023



#28
bis(2-Chloroethoxy)methane
Concen: 45.923 ng
RT: 10.227 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

Tgt Ion: 93 Resp: 642955
Ion Ratio Lower Upper
93 100
95 32.4 25.8 38.6
123 10.6 8.2 12.2





#29

2,4-Dichlorophenol

Concen: 57.445 ng

RT: 10.457 min Scan# 1236

Delta R.T. -0.006 min

Lab File: BM042449.D

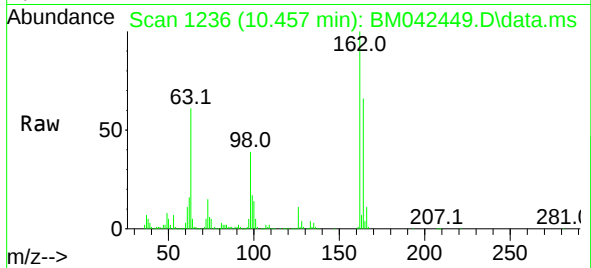
Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD



Tgt Ion:162 Resp: 447784

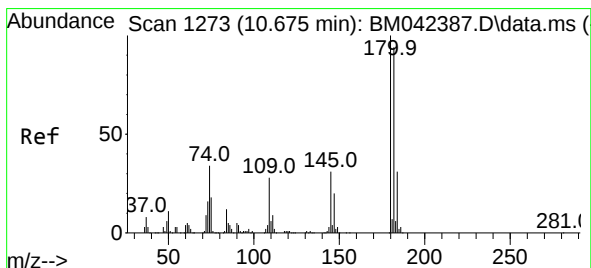
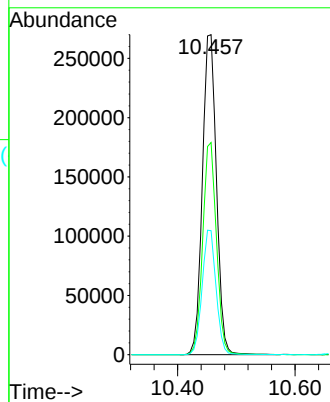
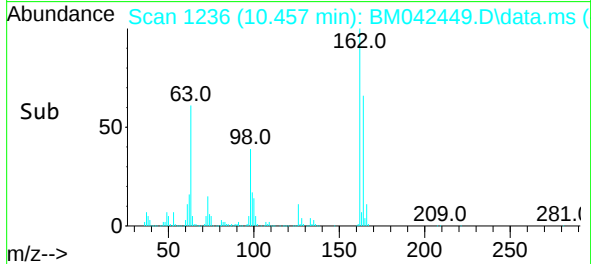
Ion	Ratio	Lower	Upper
162	100		
164	66.3	45.9	85.9
98	38.8	23.4	63.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/26/2023

Supervised By :mohammad ahmed 10/26/2023



#30

1,2,4-Trichlorobenzene

Concen: 56.903 ng

RT: 10.663 min Scan# 1271

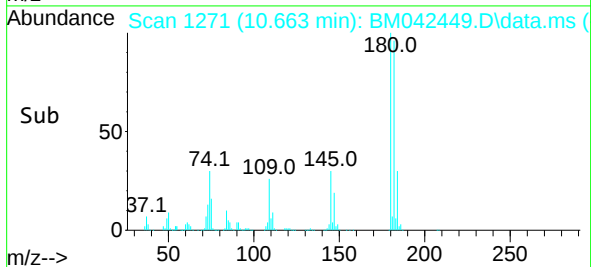
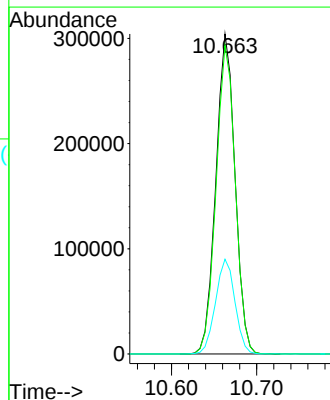
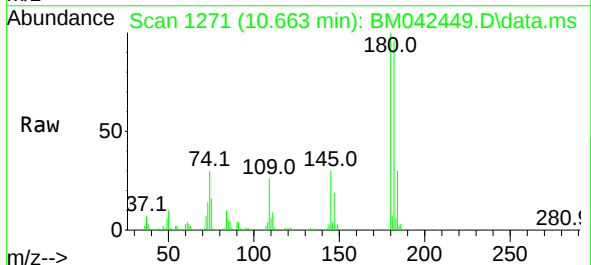
Delta R.T. -0.012 min

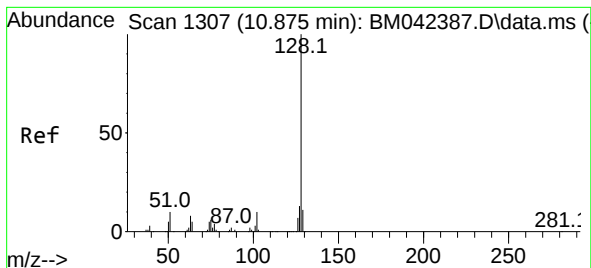
Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Tgt Ion:180 Resp: 475512

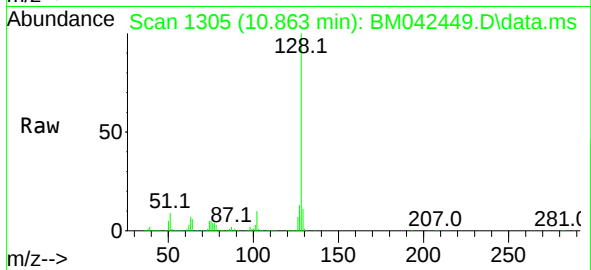
Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.0	112.4
145	29.6	24.6	36.8





#31
Naphthalene
Concen: 49.629 ng
RT: 10.863 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

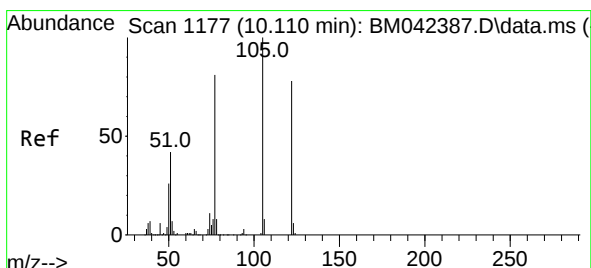
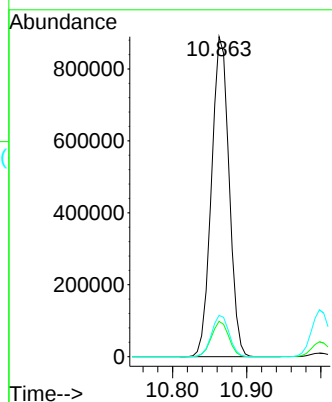
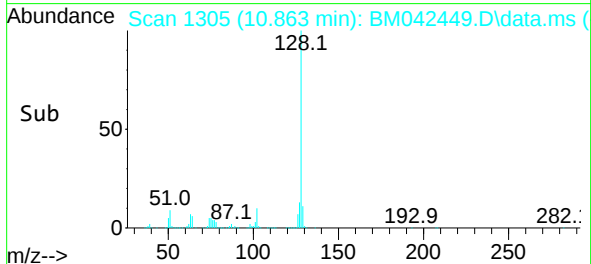
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



Tgt Ion:128 Resp: 146577
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 12.9 10.4 15.6

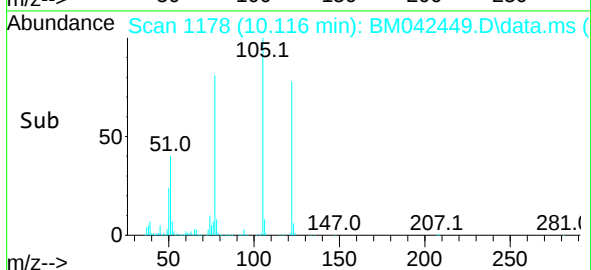
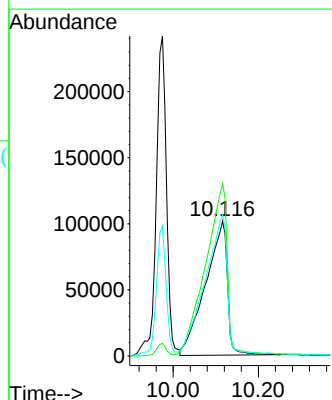
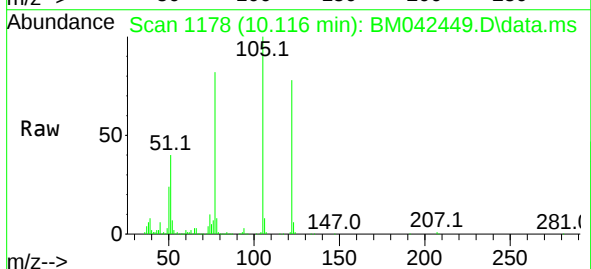
Manual Integrations
APPROVED

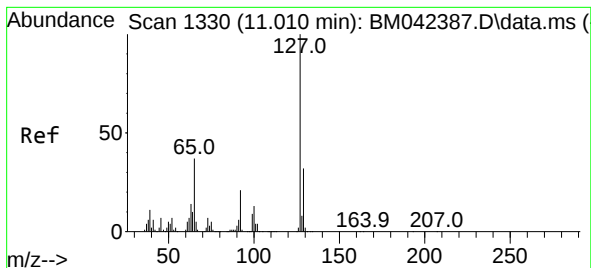
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023



#32
Benzoic acid
Concen: 54.201 ng
RT: 10.116 min Scan# 1178
Delta R.T. 0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

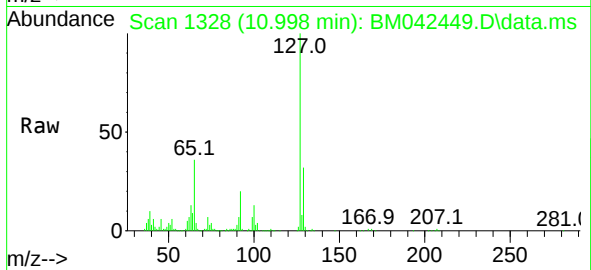
Tgt Ion:122 Resp: 360411
Ion Ratio Lower Upper
122 100
105 127.6 104.9 144.9
77 104.5 83.4 123.4





#33
4-Chloroaniline
Concen: 18.131 ng
RT: 10.998 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

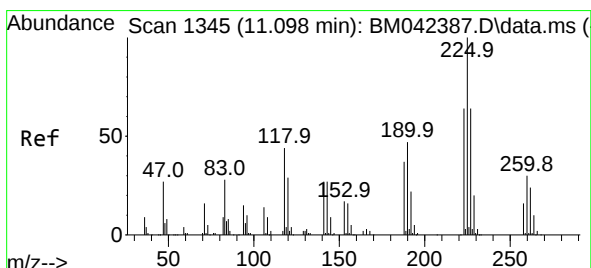
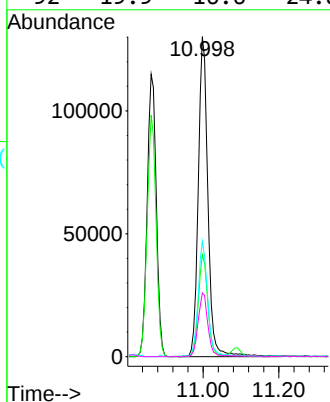
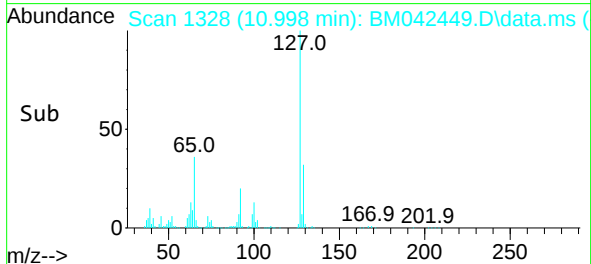
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



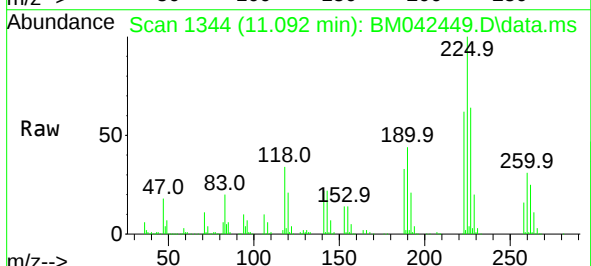
Tgt Ion:127 Resp: 232499
Ion Ratio Lower Upper
127 100
129 31.8 25.3 37.9
65 36.1 29.6 44.4
92 19.9 16.6 24.8

Manual Integrations
APPROVED

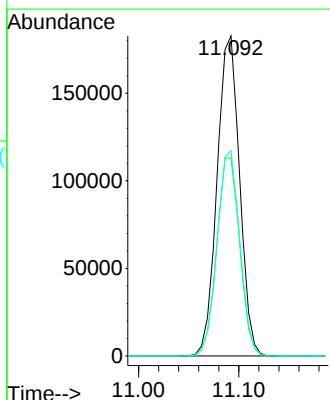
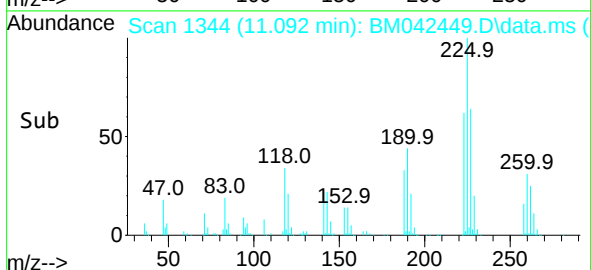
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023

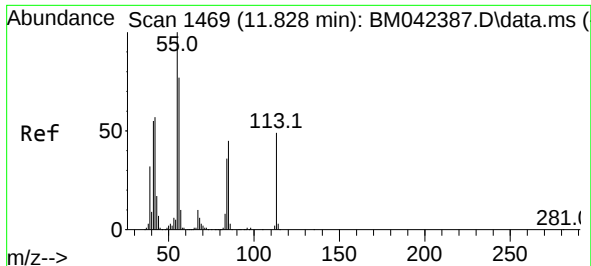


#34
Hexachlorobutadiene
Concen: 62.944 ng
RT: 11.092 min Scan# 1344
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07



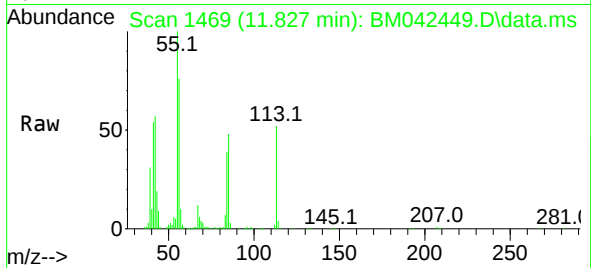
Tgt Ion:225 Resp: 284631
Ion Ratio Lower Upper
225 100
223 61.8 51.5 77.3
227 64.1 51.3 76.9





#35
Caprolactam
Concen: 48.002 ng
RT: 11.827 min Scan# 1469
Delta R.T. -0.001 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

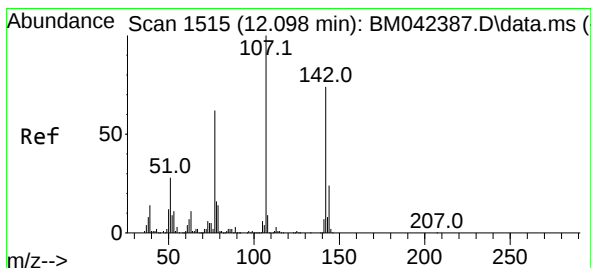
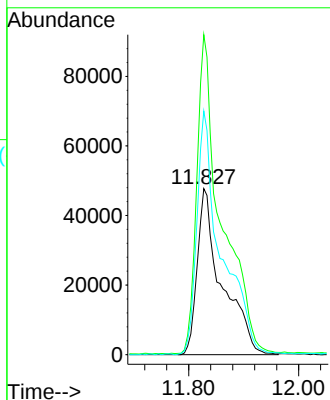
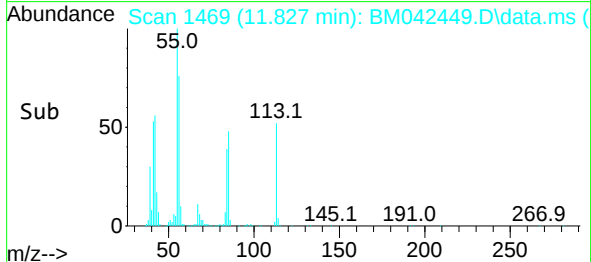
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



Tgt Ion:113 Resp: 148532
Ion Ratio Lower Upper
113 100
55 192.8 185.6 225.6
56 146.8 137.8 177.8

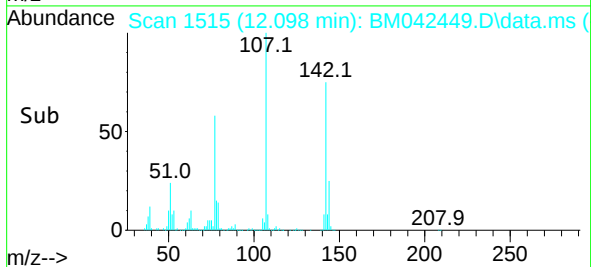
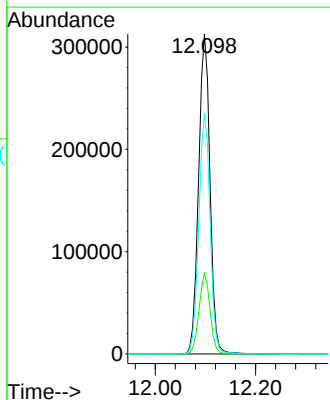
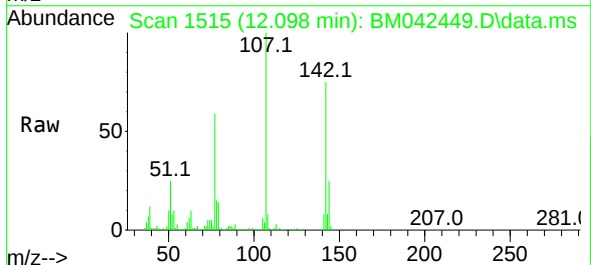
Manual Integrations
APPROVED

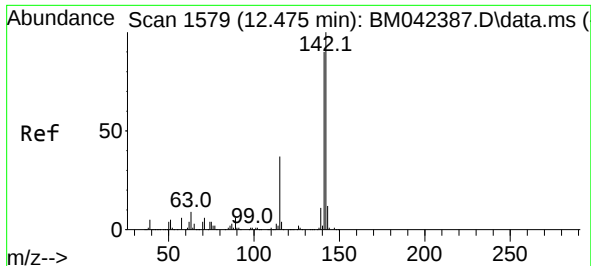
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023



#36
4-Chloro-3-methylphenol
Concen: 52.503 ng
RT: 12.098 min Scan# 1515
Delta R.T. -0.000 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

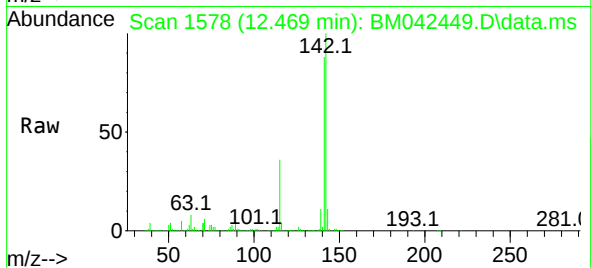
Tgt Ion:107 Resp: 493874
Ion Ratio Lower Upper
107 100
144 25.2 18.9 28.3
142 75.2 59.2 88.8





#37
2-Methylnaphthalene
Concen: 48.854 ng
RT: 12.469 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

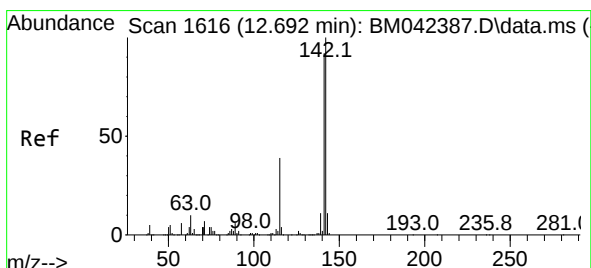
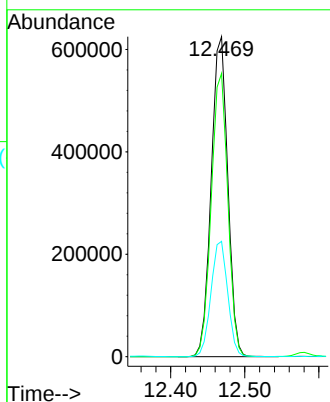
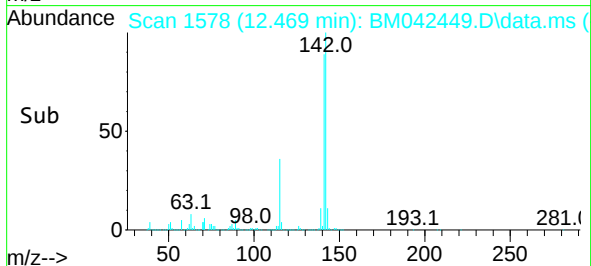
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



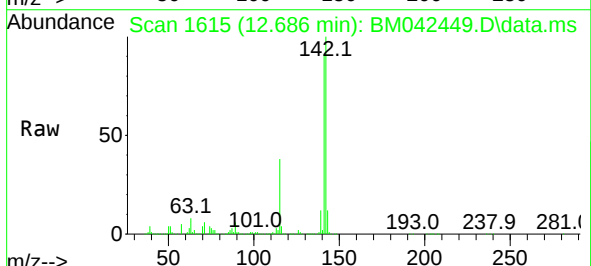
Tgt Ion:142 Resp: 97129
Ion Ratio Lower Upper
142 100
141 88.5 72.0 108.0
115 36.0 29.4 44.2

Manual Integrations
APPROVED

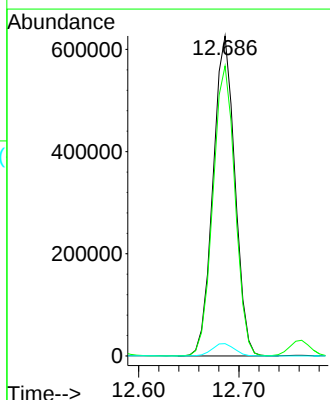
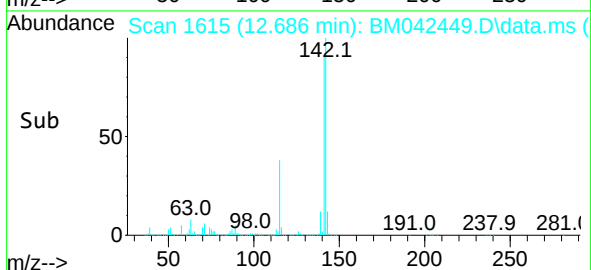
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023

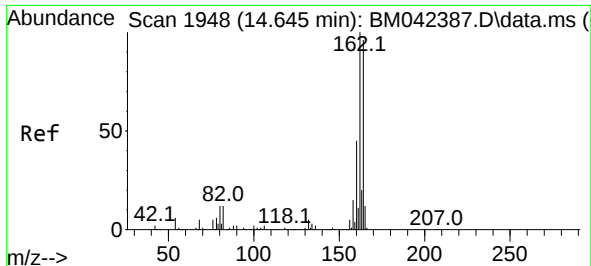


#38
1-Methylnaphthalene
Concen: 50.797 ng
RT: 12.686 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07



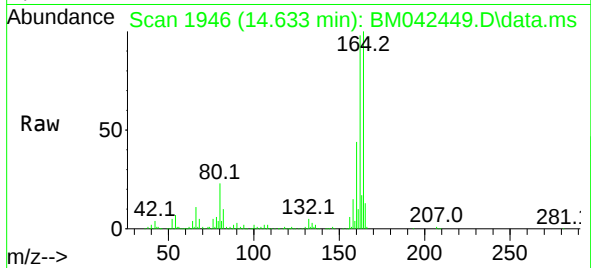
Tgt Ion:142 Resp: 946119
Ion Ratio Lower Upper
142 100
141 90.7 73.8 110.6
116 3.9 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.633 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

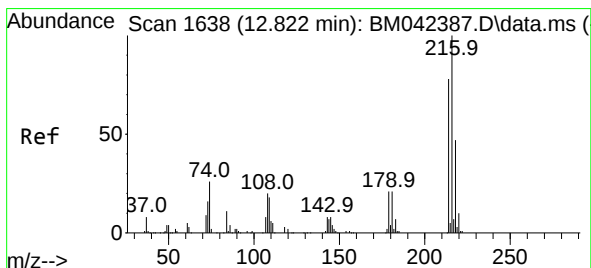
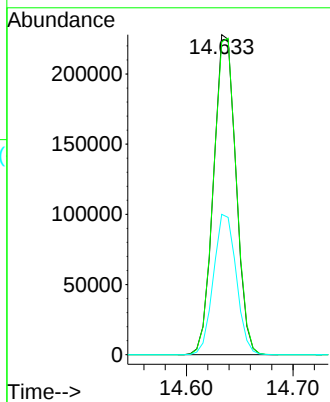
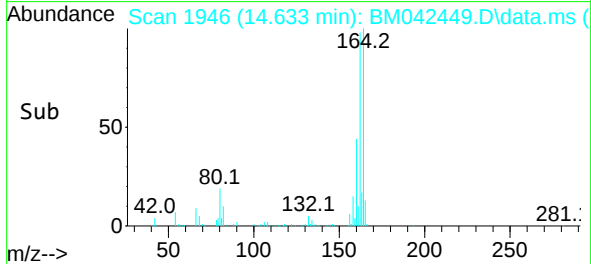
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



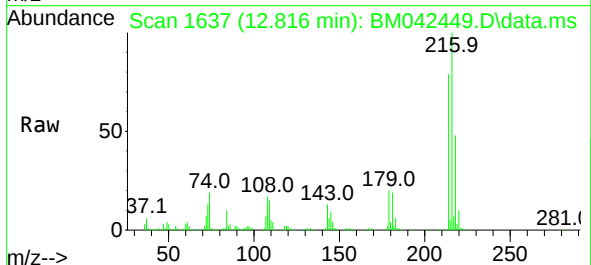
Tgt Ion:164 Resp: 332224
Ion Ratio Lower Upper
164 100
162 97.8 83.0 124.4
160 43.8 37.0 55.4

Manual Integrations
APPROVED

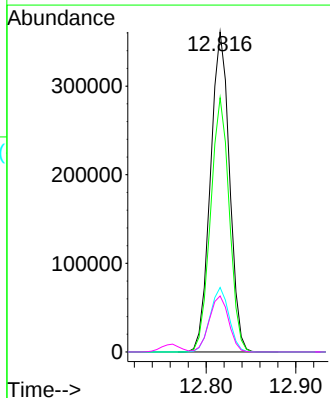
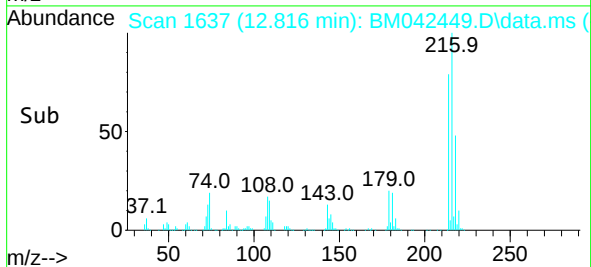
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023

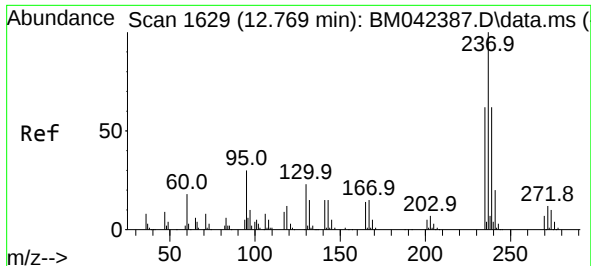


#40
1,2,4,5-Tetrachlorobenzene
Concen: 55.446 ng
RT: 12.816 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07



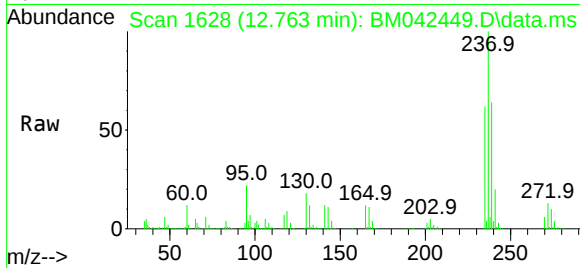
Tgt Ion:216 Resp: 532529
Ion Ratio Lower Upper
216 100
214 78.0 63.0 94.4
179 20.0 17.2 25.8
108 17.9 17.4 26.2





#41
Hexachlorocyclopentadiene
Concen: 69.561 ng
RT: 12.763 min Scan# 1628
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

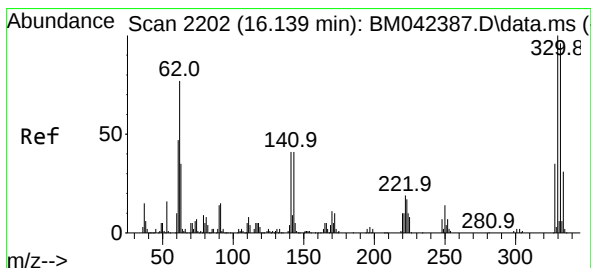
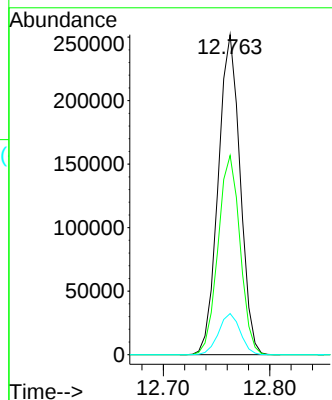
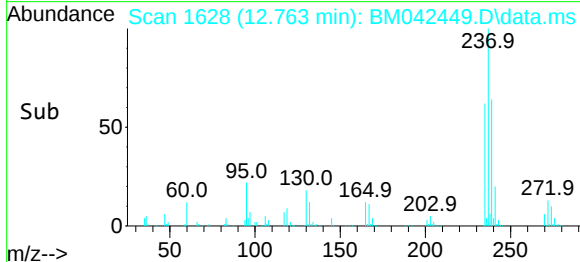
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



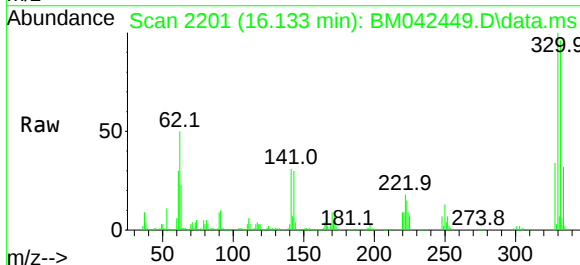
Tgt Ion:237 Resp: 358944
Ion Ratio Lower Upper
237 100
235 62.3 41.5 81.5
272 12.8 0.0 32.2

Manual Integrations
APPROVED

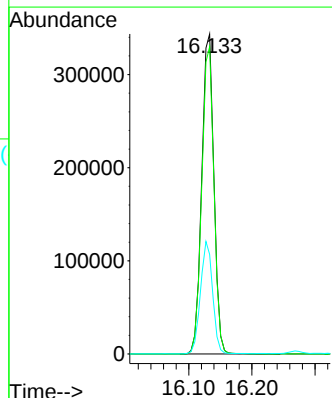
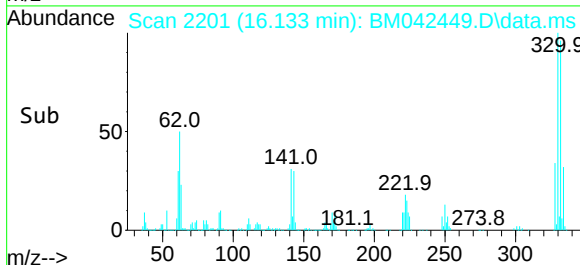
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023

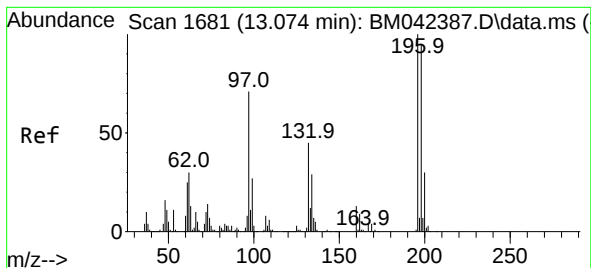


#42
2,4,6-Tribromophenol
Concen: 125.251 ng
RT: 16.133 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07



Tgt Ion:330 Resp: 458209
Ion Ratio Lower Upper
330 100
332 96.1 77.6 116.4
141 35.0 38.0 57.0#





#43

2,4,6-Trichlorophenol

Concen: 56.577 ng

RT: 13.069 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM042449.D

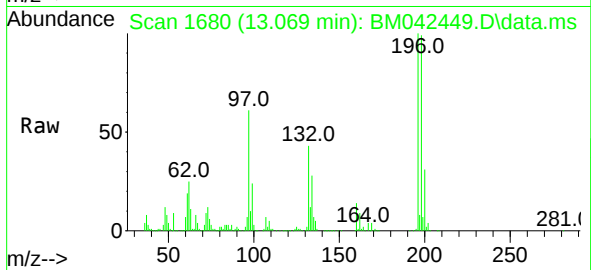
Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD



Tgt Ion:196 Resp: 351764

Ion Ratio Lower Upper

196 100

198 98.9 76.3 114.5

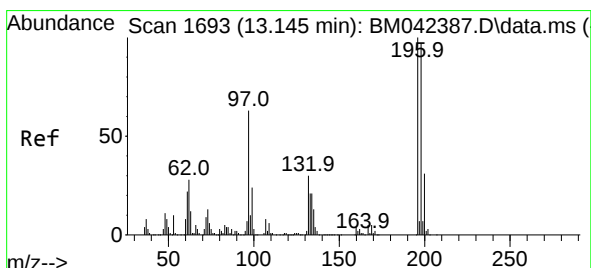
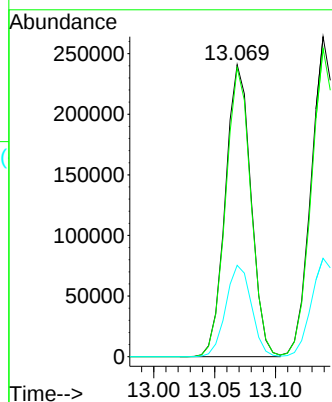
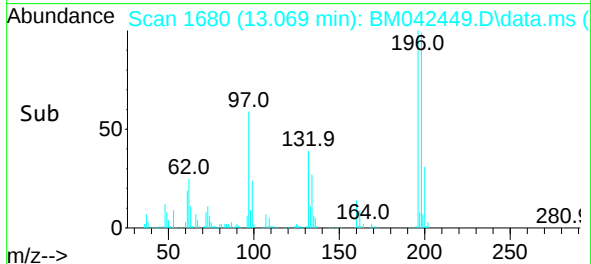
200 31.3 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/26/2023

Supervised By :mohammad ahmed 10/26/2023



#44

2,4,5-Trichlorophenol

Concen: 52.184 ng

RT: 13.139 min Scan# 1692

Delta R.T. -0.006 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Tgt Ion:196 Resp: 383541

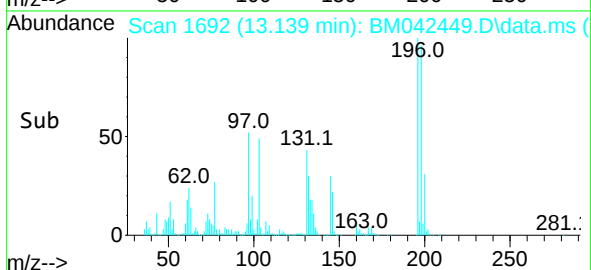
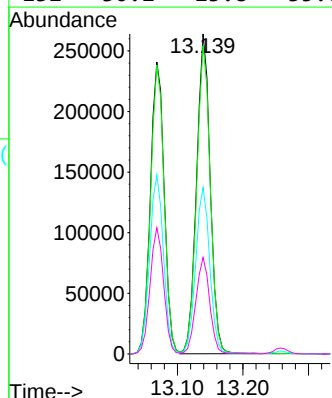
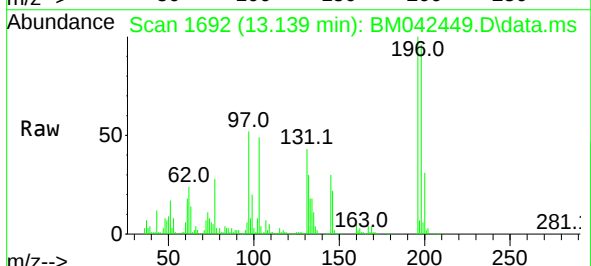
Ion Ratio Lower Upper

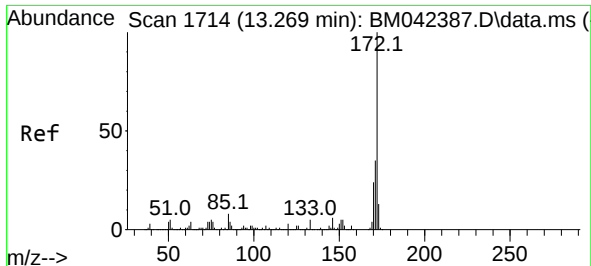
196 100

198 96.3 77.9 116.9

97 52.0 50.9 76.3

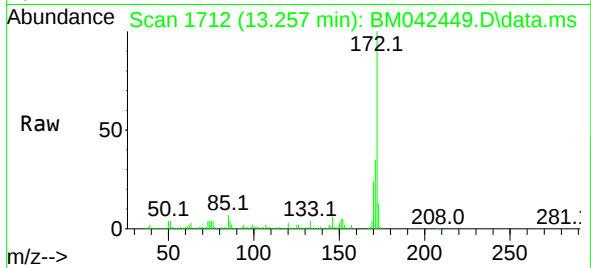
132 30.2 23.8 35.6





#45
2-Fluorobiphenyl
Concen: 67.857 ng
RT: 13.257 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

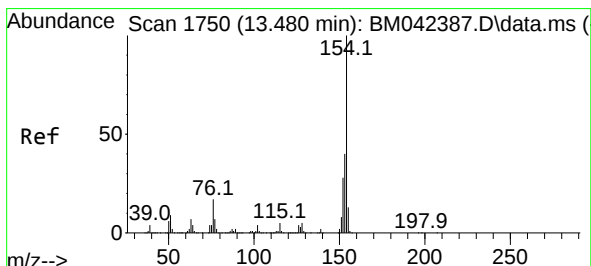
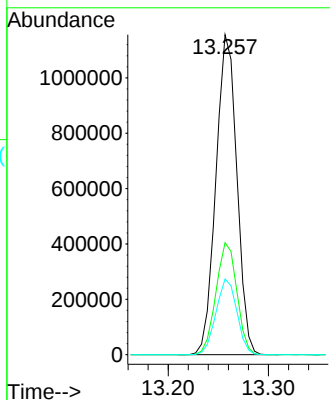
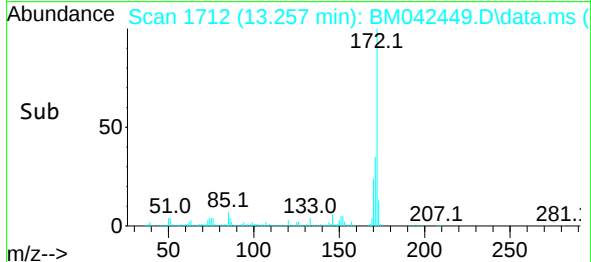
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



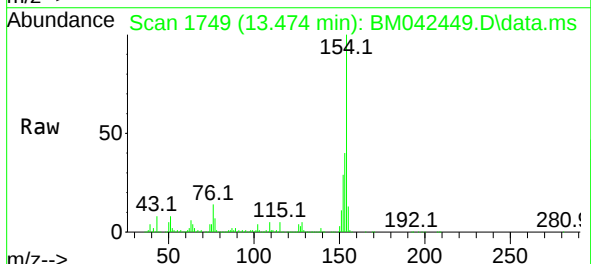
Tgt Ion:172 Resp: 1674108
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 23.6 18.9 28.3

Manual Integrations
APPROVED

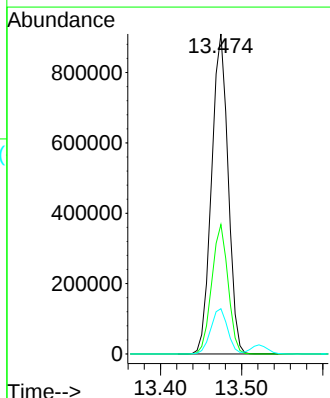
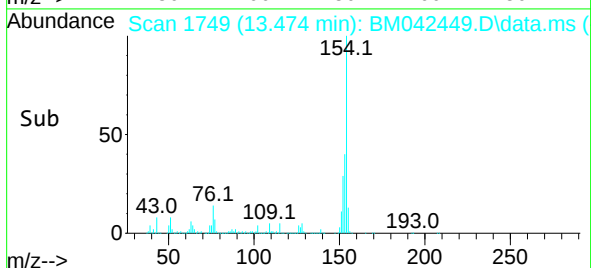
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023

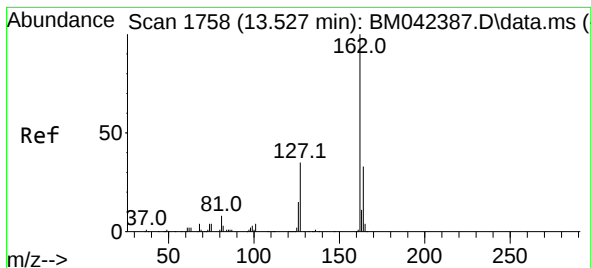


#46
1,1'-Biphenyl
Concen: 48.825 ng
RT: 13.474 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07



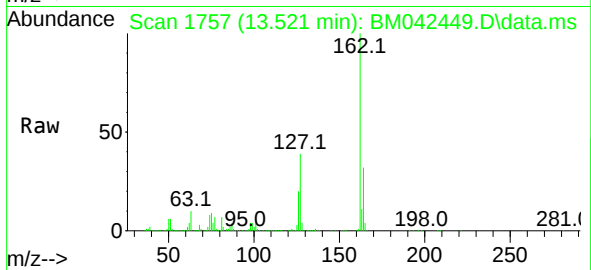
Tgt Ion:154 Resp: 1286815
Ion Ratio Lower Upper
154 100
153 40.4 19.9 59.9
76 14.1 0.0 36.9





#47
2-Chloronaphthalene
Concen: 50.225 ng
RT: 13.521 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

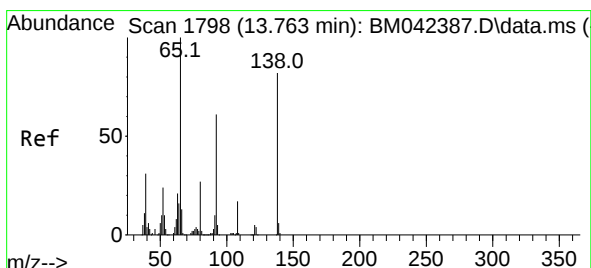
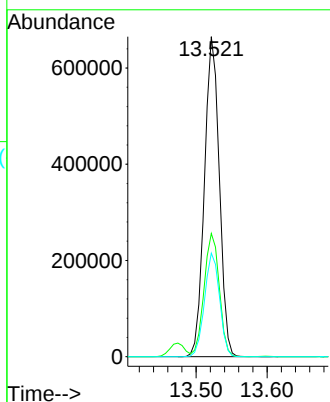
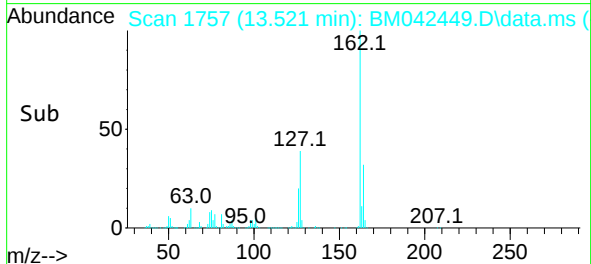
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



Tgt Ion:162 Resp: 97115
Ion Ratio Lower Upper
162 100
127 38.5 32.2 48.2
164 32.4 26.2 39.2

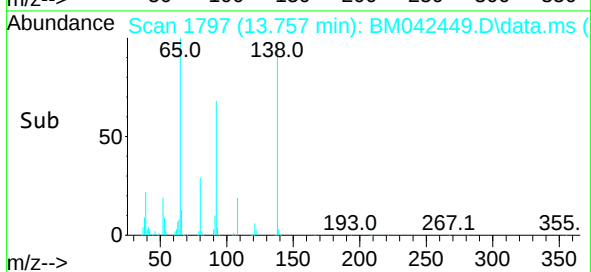
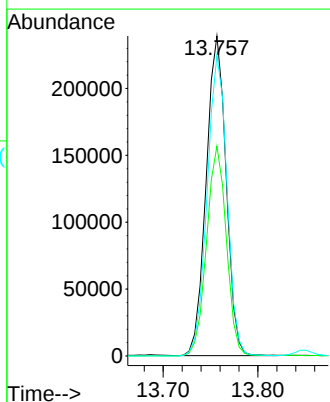
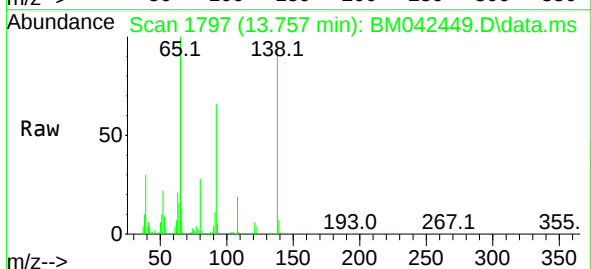
Manual Integrations
APPROVED

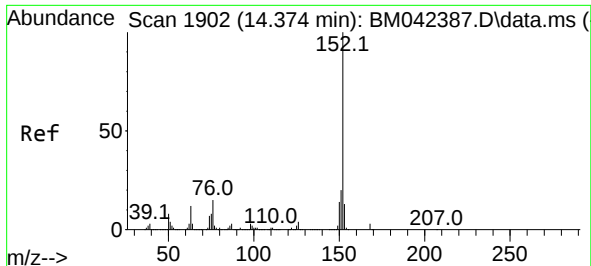
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023



#48
2-Nitroaniline
Concen: 41.388 ng
RT: 13.757 min Scan# 1797
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

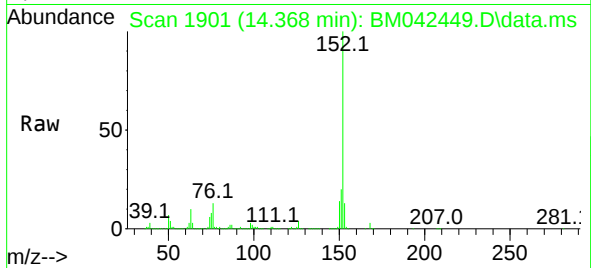
Tgt Ion: 65 Resp: 348936
Ion Ratio Lower Upper
65 100
92 65.6 49.0 73.6
138 93.9 65.5 98.3





#49
Acenaphthylene
Concen: 51.886 ng
RT: 14.368 min Scan# 1902
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

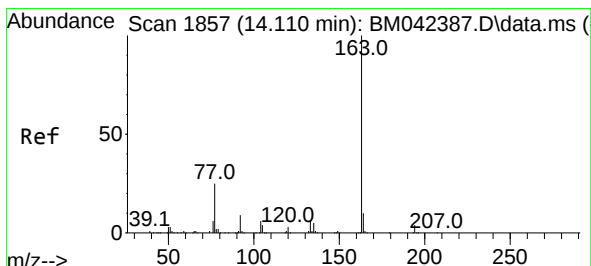
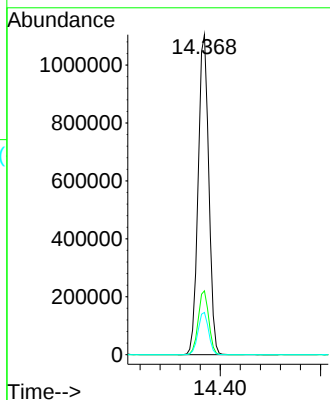
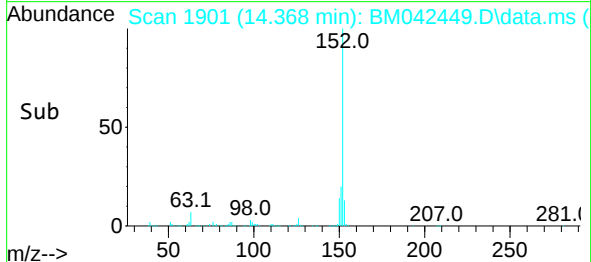
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



Tgt Ion:152 Resp: 1619694
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 13.2 10.5 15.7

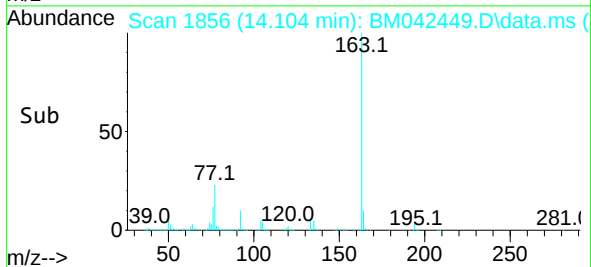
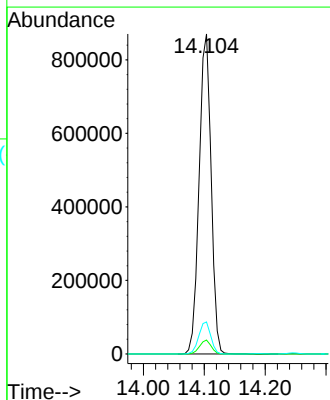
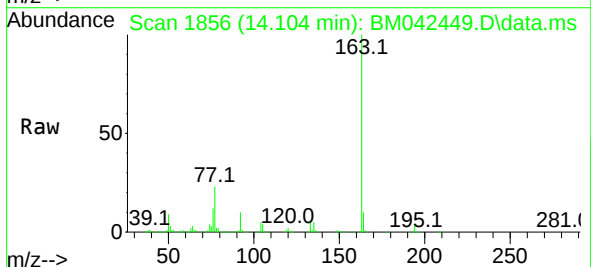
Manual Integrations
APPROVED

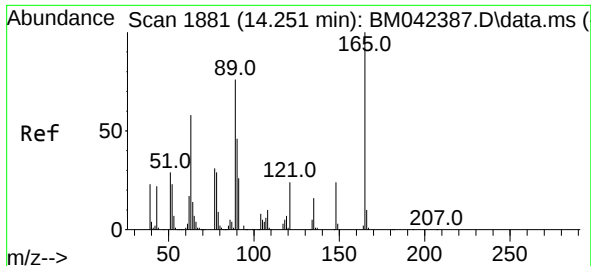
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023



#50
Dimethylphthalate
Concen: 48.815 ng
RT: 14.104 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

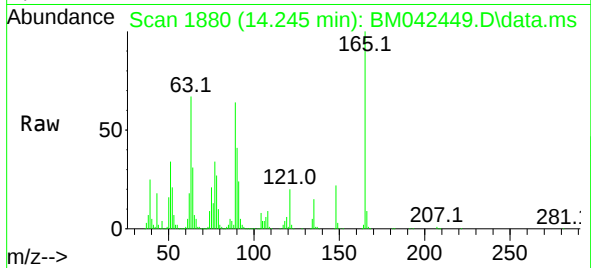
Tgt Ion:163 Resp: 1189572
Ion Ratio Lower Upper
163 100
194 4.4 3.0 4.4
164 10.0 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 47.222 ng
RT: 14.245 min Scan# 1881
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

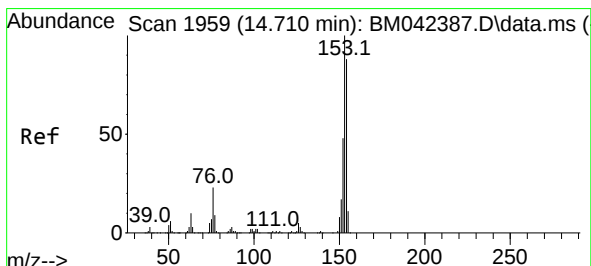
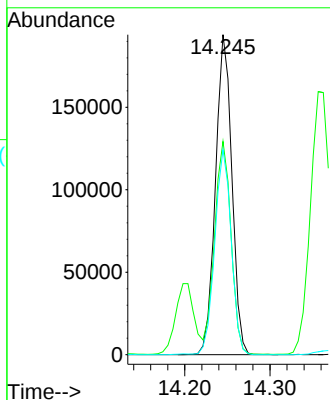
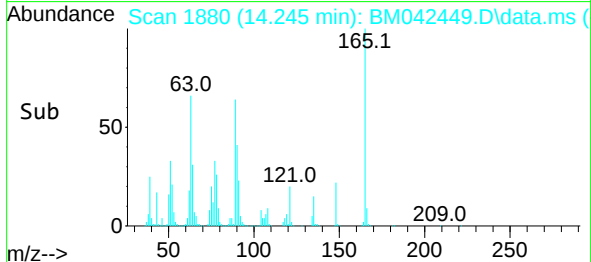
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



Tgt Ion:165 Resp: 25955
Ion Ratio Lower Upper
165 100
63 66.7 65.3 97.9
89 64.0 60.6 91.0

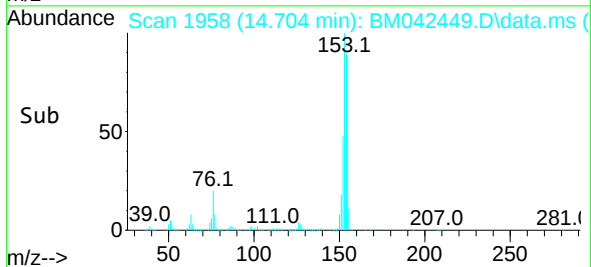
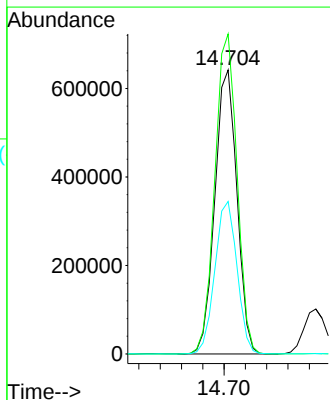
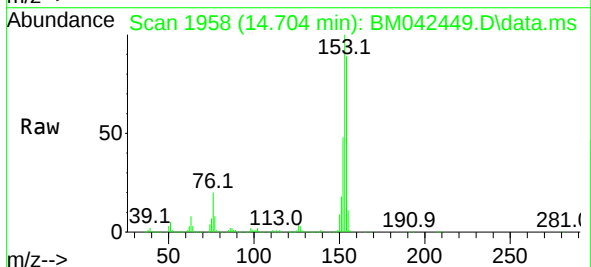
Manual Integrations
APPROVED

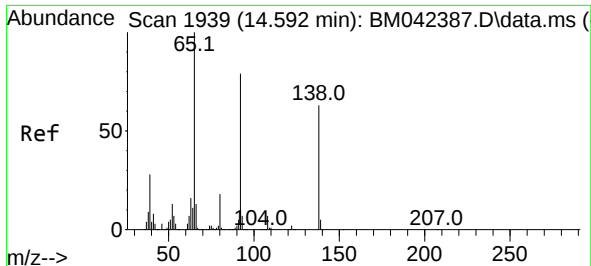
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023



#52
Acenaphthene
Concen: 48.824 ng
RT: 14.704 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

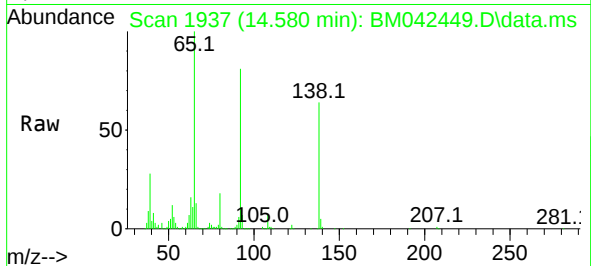
Tgt Ion:154 Resp: 921426
Ion Ratio Lower Upper
154 100
153 112.7 91.1 136.7
152 53.7 44.0 66.0





#53
3-Nitroaniline
Concen: 31.191 ng
RT: 14.580 min Scan# 1937
Delta R.T. -0.012 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

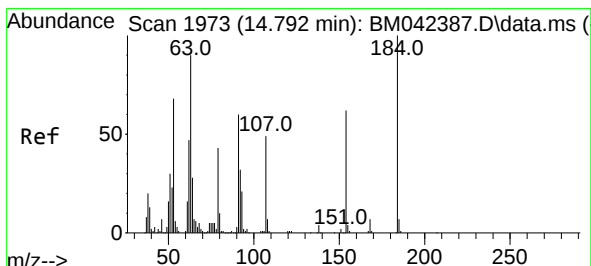
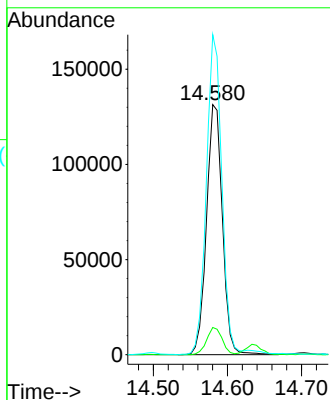
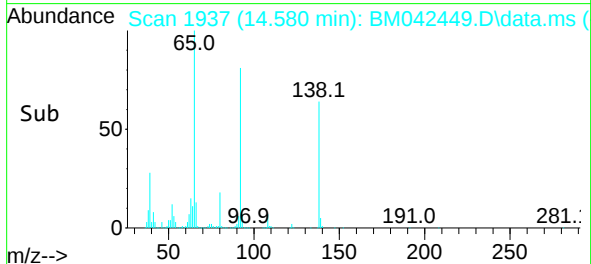
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



Tgt Ion:138 Resp: 195497
Ion Ratio Lower Upper
138 100
108 10.9 8.3 12.5
92 127.9 100.6 151.0

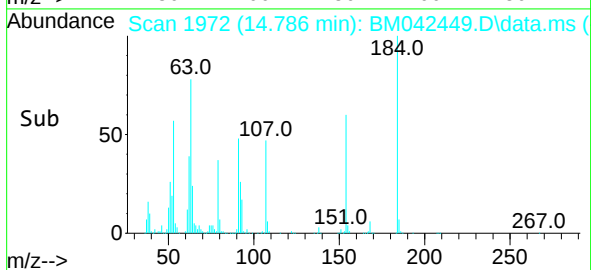
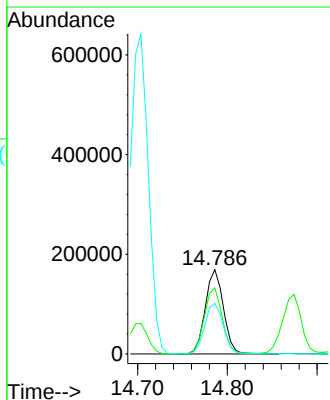
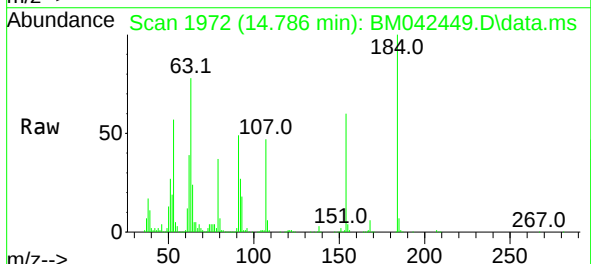
Manual Integrations
APPROVED

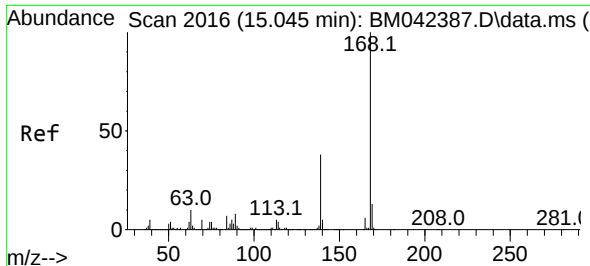
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023



#54
2,4-Dinitrophenol
Concen: 70.848 ng
RT: 14.786 min Scan# 1972
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

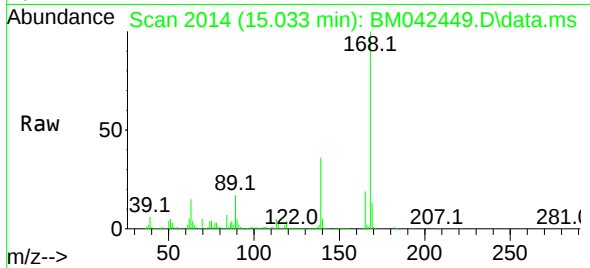
Tgt Ion:184 Resp: 237922
Ion Ratio Lower Upper
184 100
63 78.5 72.2 108.2
154 60.1 49.6 74.4





#55
Dibenzenofuran
Concen: 49.630 ng
RT: 15.033 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

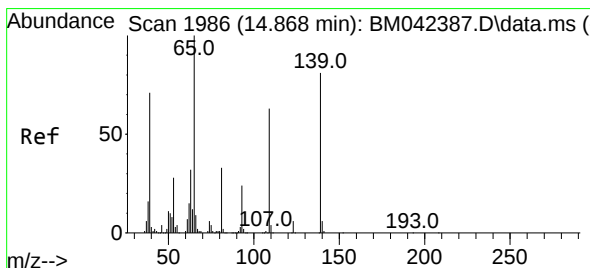
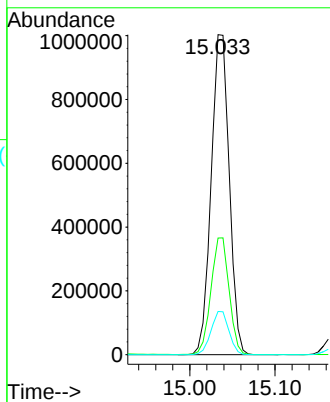
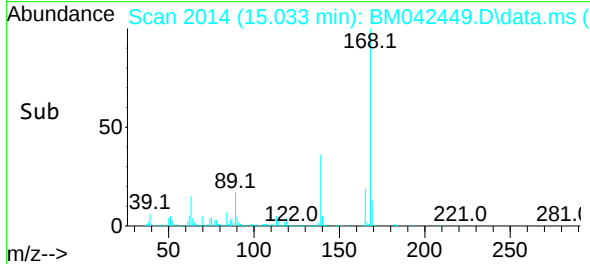
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



Tgt Ion:168 Resp: 148144
Ion Ratio Lower Upper
168 100
139 36.4 30.6 46.0
169 13.5 10.4 15.6

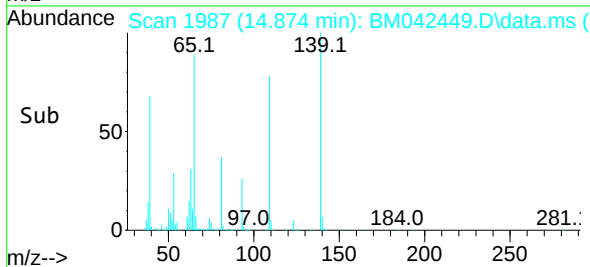
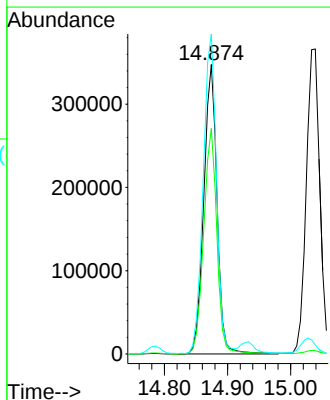
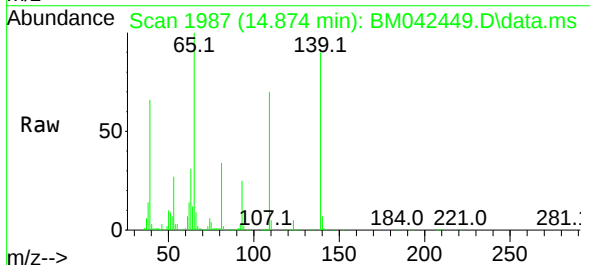
Manual Integrations
APPROVED

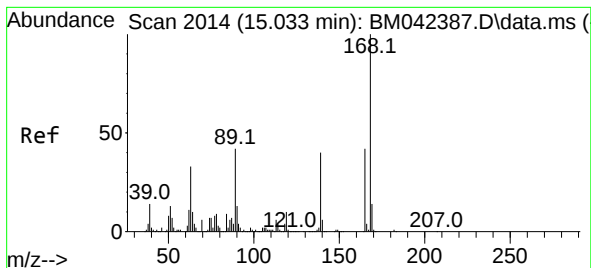
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023



#56
4-Nitrophenol
Concen: 102.129 ng
RT: 14.874 min Scan# 1987
Delta R.T. 0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

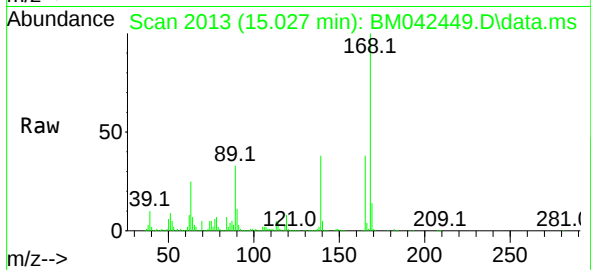
Tgt Ion:139 Resp: 506878
Ion Ratio Lower Upper
139 100
109 77.9 58.0 98.0
65 110.5 104.2 144.2





#57
2,4-Dinitrotoluene
Concen: 48.127 ng
RT: 15.027 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

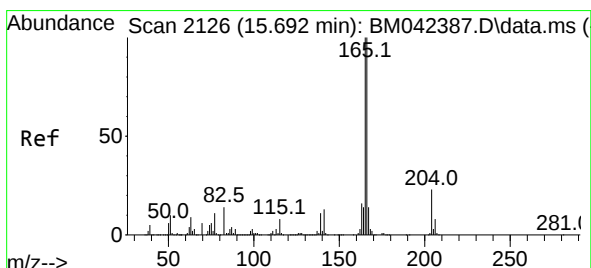
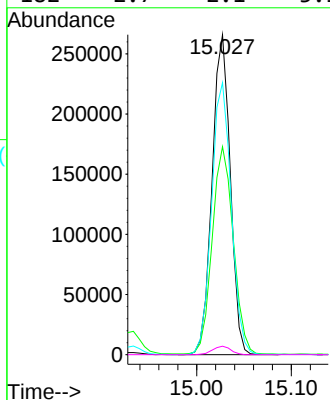
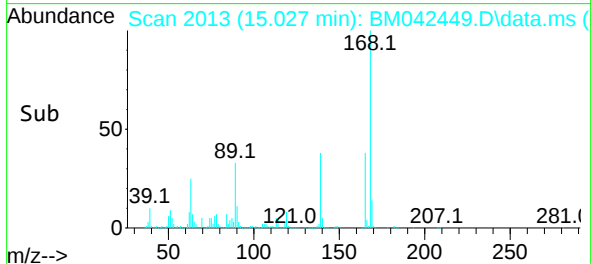
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



Tgt Ion:165 Resp: 354258
Ion Ratio Lower Upper
165 100
63 65.0 62.9 94.3
89 85.0 80.2 120.2
182 2.7 2.1 3.1

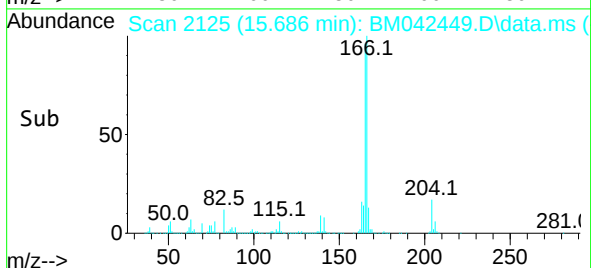
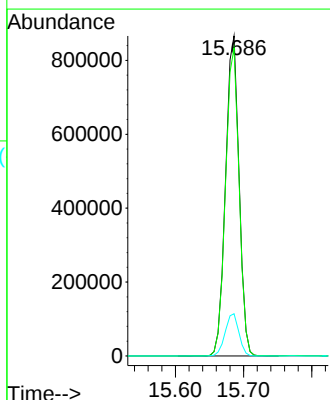
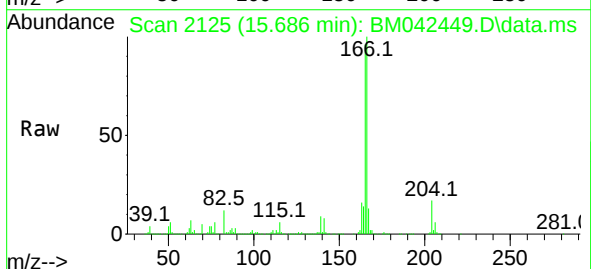
Manual Integrations
APPROVED

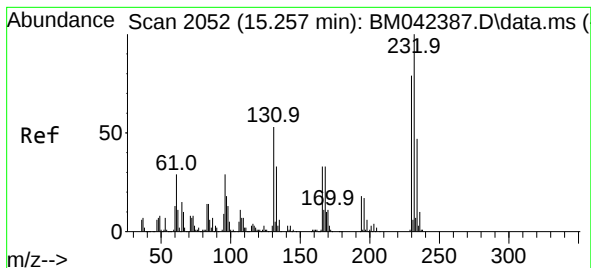
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023



#58
Fluorene
Concen: 50.673 ng
RT: 15.686 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

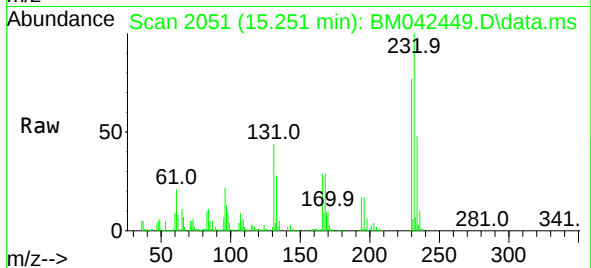
Tgt Ion:166 Resp: 1193594
Ion Ratio Lower Upper
166 100
165 96.2 79.6 119.4
167 13.2 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 60.904 ng
RT: 15.251 min Scan# 2051
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

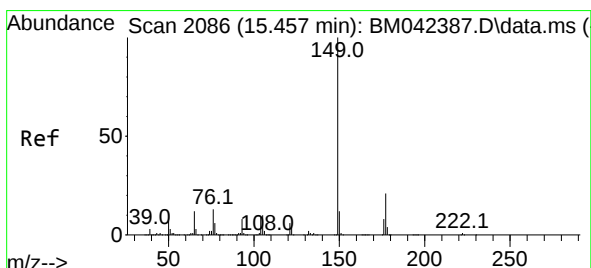
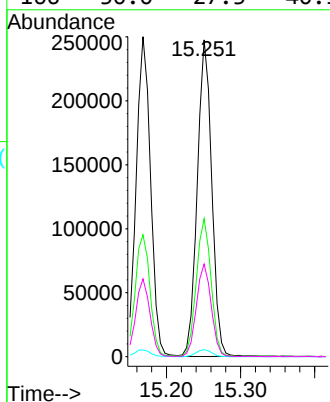
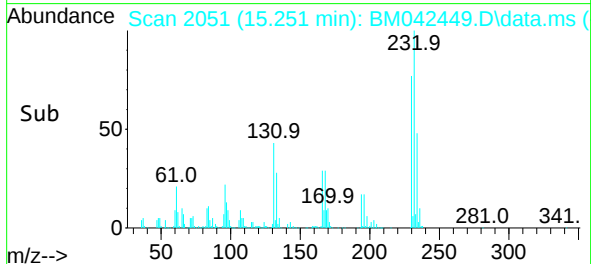
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



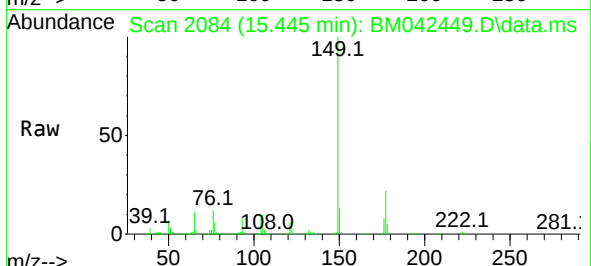
Tgt Ion:232 Resp: 336270
Ion Ratio Lower Upper
232 100
131 44.1 42.8 64.2
130 2.4 2.2 3.2
166 30.0 27.3 40.9

Manual Integrations
APPROVED

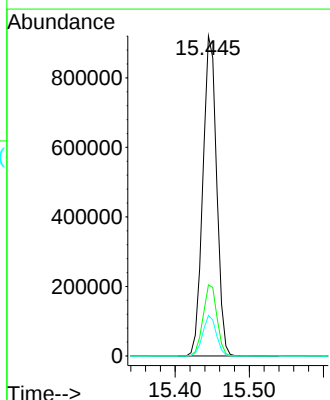
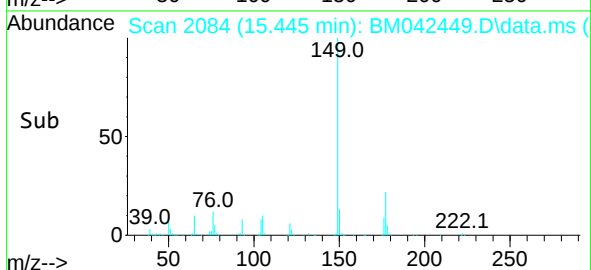
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023

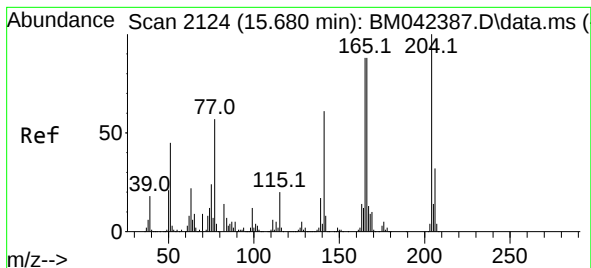


#60
Diethylphthalate
Concen: 49.492 ng
RT: 15.445 min Scan# 2084
Delta R.T. -0.012 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07



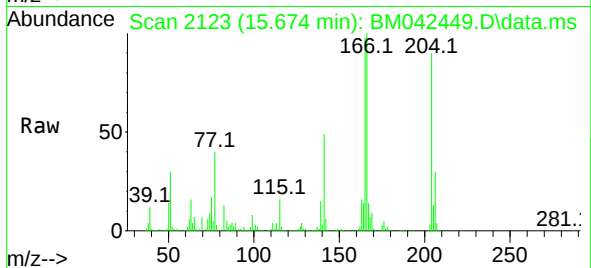
Tgt Ion:149 Resp: 1190182
Ion Ratio Lower Upper
149 100
177 22.2 16.7 25.1
150 12.6 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 54.323 ng
RT: 15.674 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

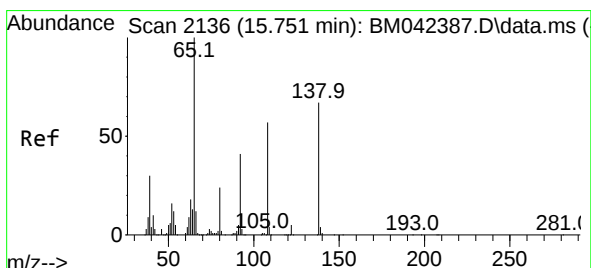
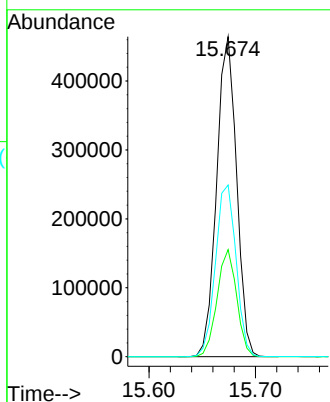
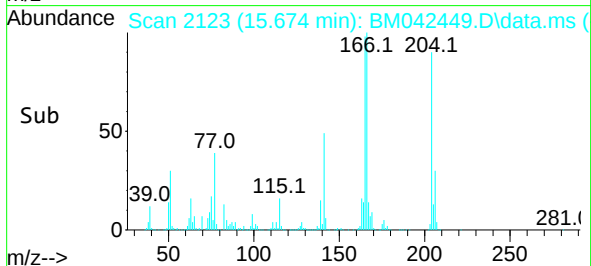
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



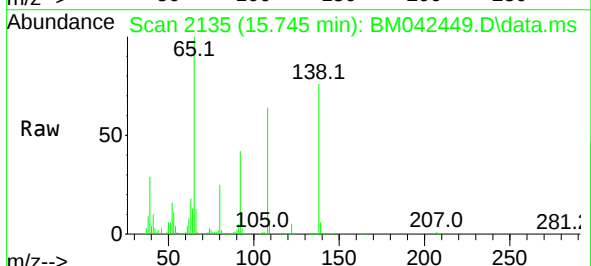
Tgt Ion:204 Resp: 60260
Ion Ratio Lower Upper
204 100
206 33.4 25.4 38.0
141 53.7 49.1 73.7

Manual Integrations
APPROVED

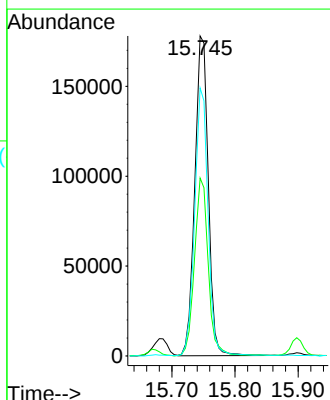
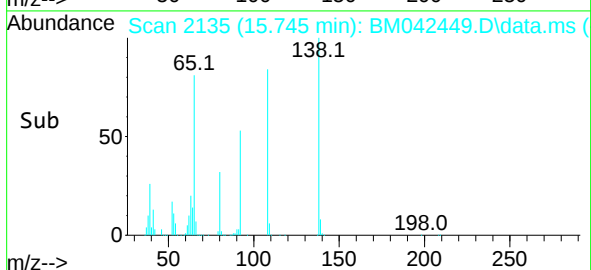
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023

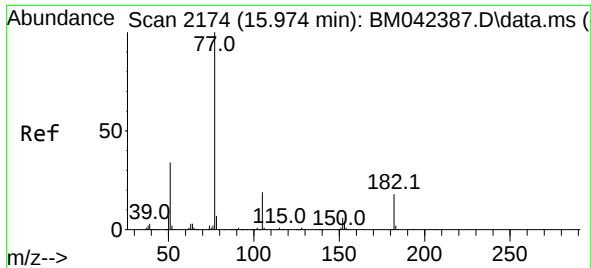


#62
4-Nitroaniline
Concen: 42.628 ng
RT: 15.745 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07



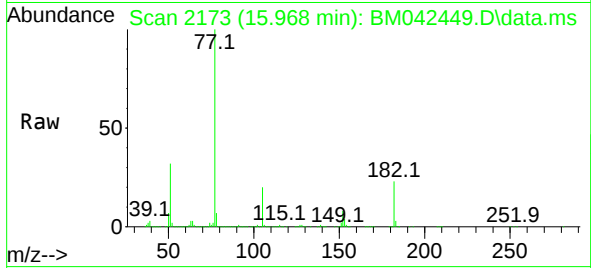
Tgt Ion:138 Resp: 263984
Ion Ratio Lower Upper
138 100
92 55.6 40.4 80.4
108 83.8 65.3 105.3





#63
Azobenzene
Concen: 45.508 ng
RT: 15.968 min Scan# 2173
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD

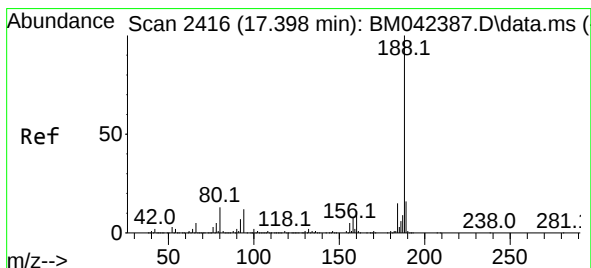
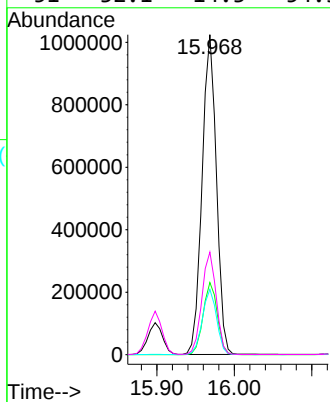
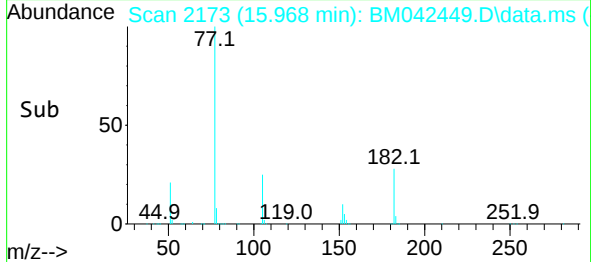


Tgt Ion: 77 Resp: 131296

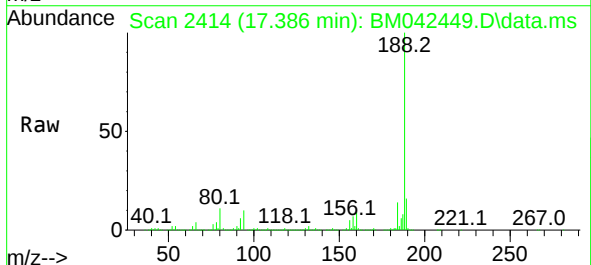
Ion	Ratio	Lower	Upper
77	100		
182	22.5	0.0	37.7
105	20.4	0.0	38.9
51	32.1	14.3	54.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023

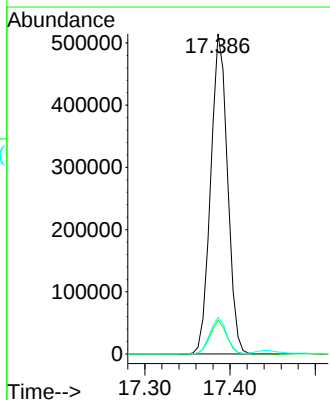
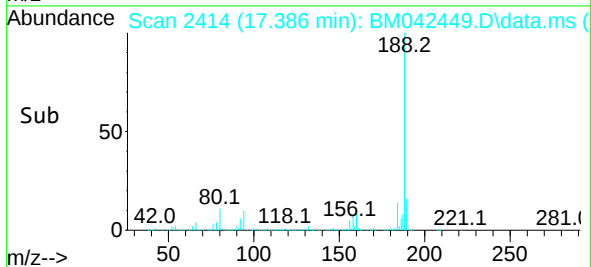


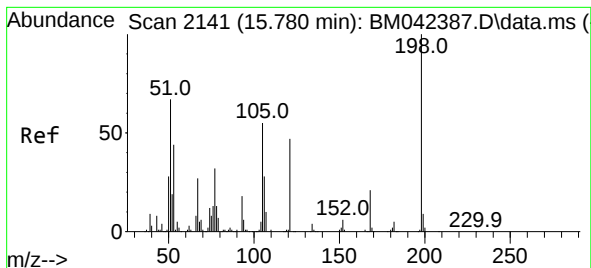
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.386 min Scan# 2414
Delta R.T. -0.012 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07



Tgt Ion:188 Resp: 706156

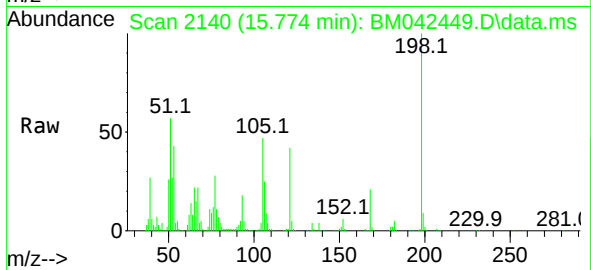
Ion	Ratio	Lower	Upper
188	100		
94	10.5	9.4	14.0
80	11.4	10.7	16.1





#65
4,6-Dinitro-2-methylphenol
Concen: 36.731 ng
RT: 15.774 min Scan# 2140
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

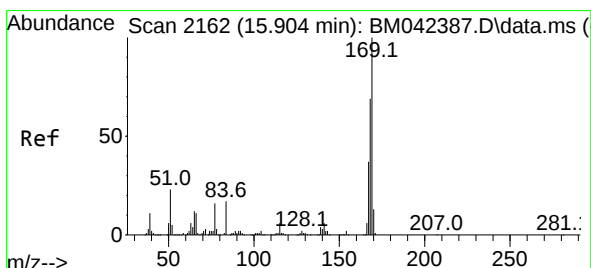
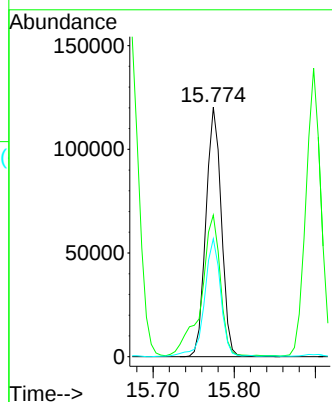
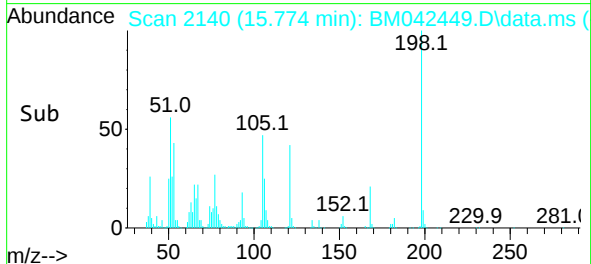
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



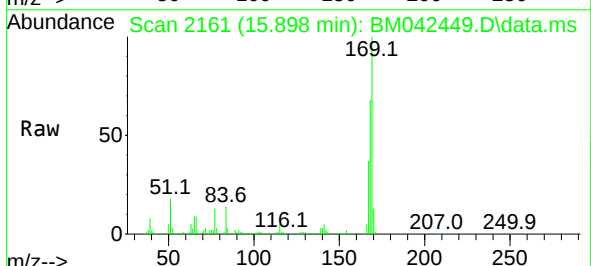
Tgt Ion:198 Resp: 158300
Ion Ratio Lower Upper
198 100
51 56.8 54.1 94.1
105 47.3 35.9 75.9

Manual Integrations
APPROVED

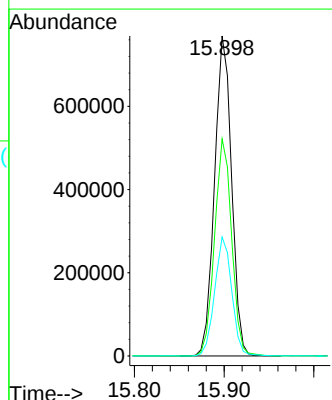
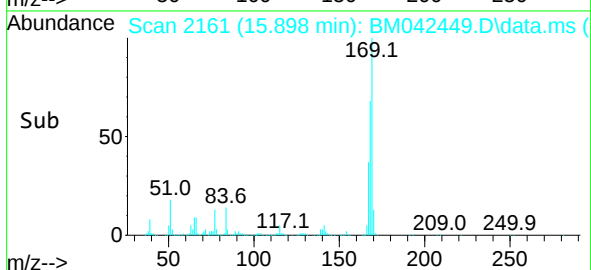
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023

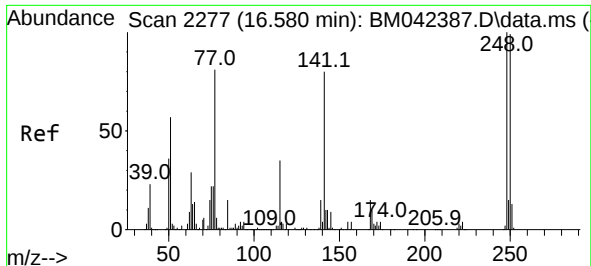


#66
n-Nitrosodiphenylamine
Concen: 47.678 ng
RT: 15.898 min Scan# 2161
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07



Tgt Ion:169 Resp: 1014067
Ion Ratio Lower Upper
169 100
168 67.8 55.4 83.2
167 37.2 29.9 44.9





#67

4-Bromophenyl-phenylether

Concen: 48.529 ng

RT: 16.568 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM042449.D

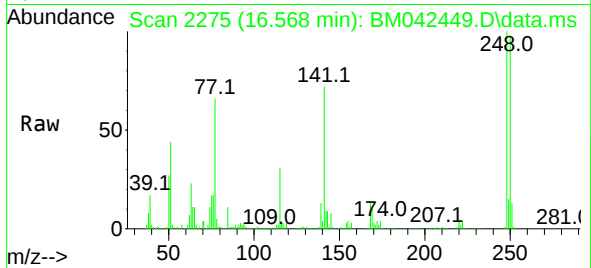
Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD



Tgt Ion:248 Resp: 31761

Ion Ratio Lower Upper

248 100

250 97.7 79.4 119.2

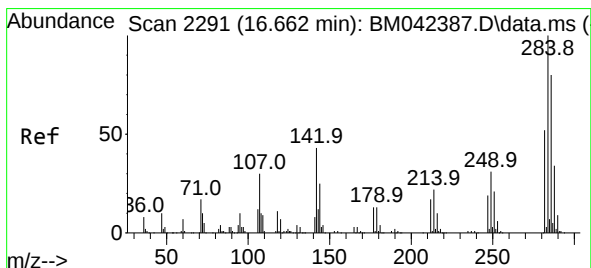
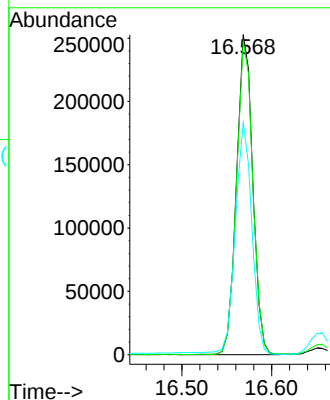
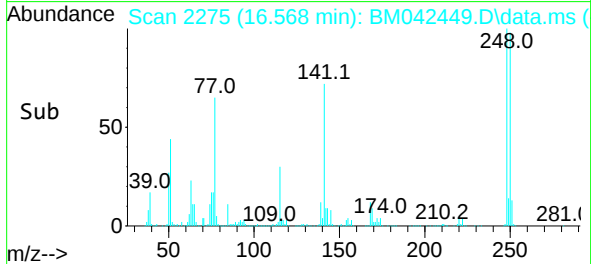
141 72.4 64.3 96.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/26/2023

Supervised By :mohammad ahmed 10/26/2023



#68

Hexachlorobenzene

Concen: 59.838 ng

RT: 16.657 min Scan# 2290

Delta R.T. -0.006 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

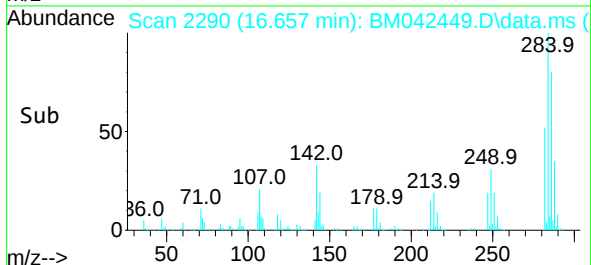
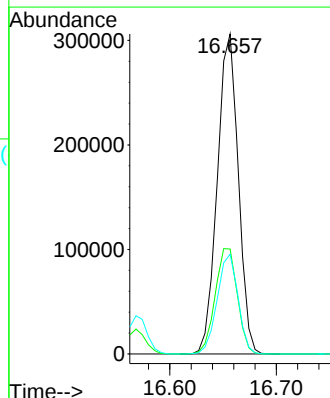
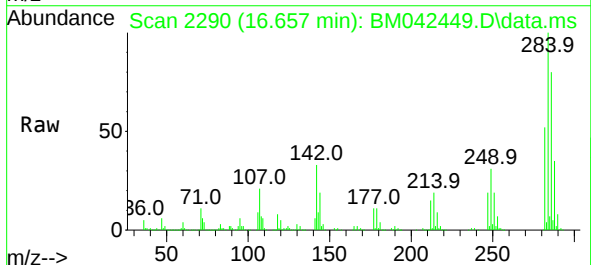
Tgt Ion:284 Resp: 418610

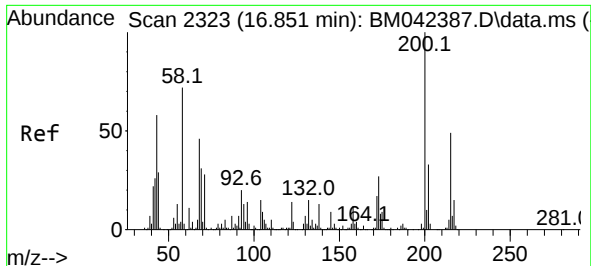
Ion Ratio Lower Upper

284 100

142 32.8 34.2 51.2#

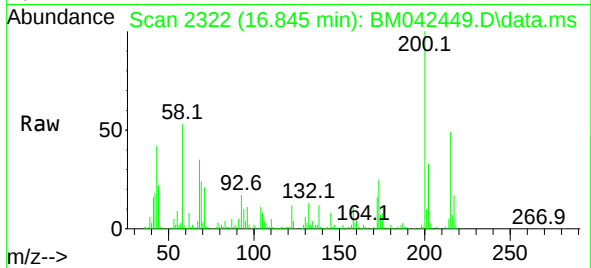
249 31.2 24.7 37.1





#69
 Atrazine
 Concen: 69.274 ng
 RT: 16.845 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM042449.D
 Acq: 25 Oct 2023 22:07

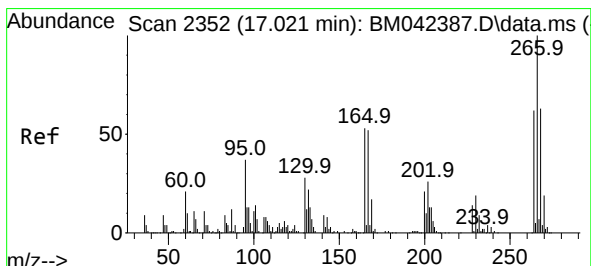
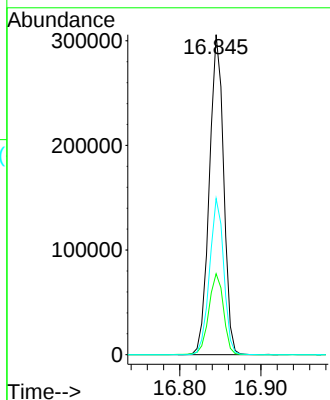
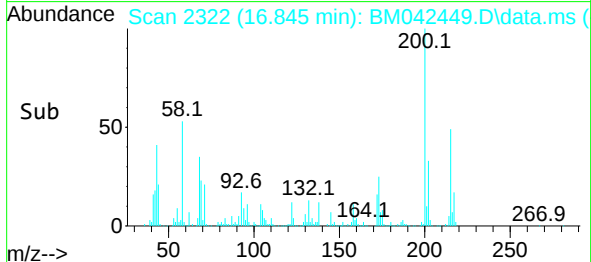
Instrument :
 BNA_M
 ClientSampleId :
 TRENCHWAY-SOIL-PILEMSD



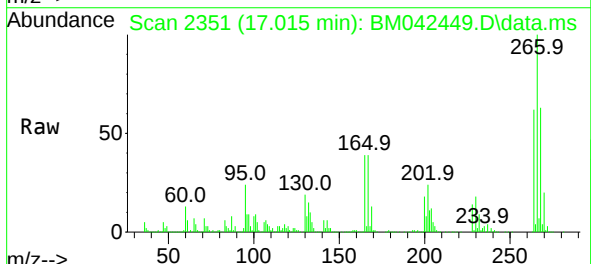
Tgt Ion:200 Resp: 37364
 Ion Ratio Lower Upper
 200 100
 173 25.3 6.6 46.6
 215 48.8 28.6 68.6

Manual Integrations
 APPROVED

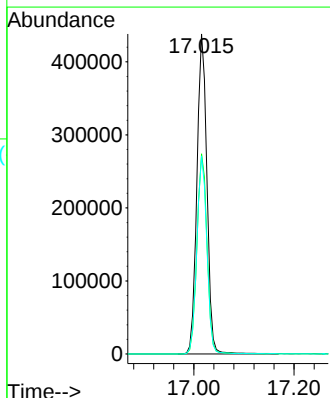
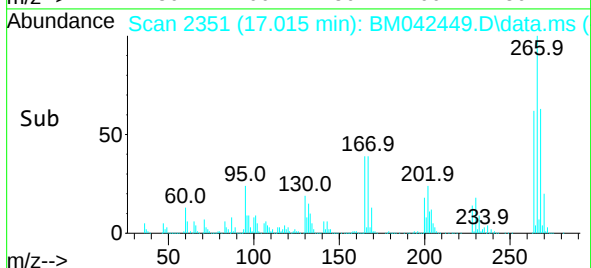
Reviewed By :Yogesh Patel 10/26/2023
 Supervised By :mohammad ahmed 10/26/2023

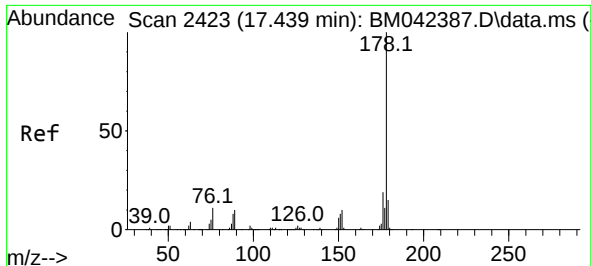


#70
 Pentachlorophenol
 Concen: 101.790 ng
 RT: 17.015 min Scan# 2351
 Delta R.T. -0.006 min
 Lab File: BM042449.D
 Acq: 25 Oct 2023 22:07



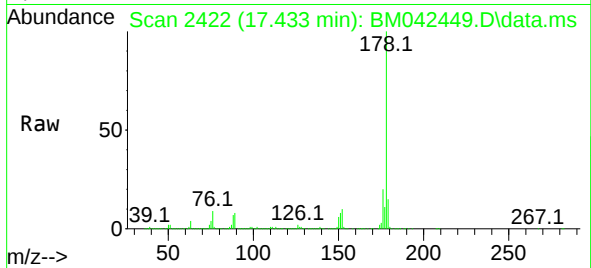
Tgt Ion:266 Resp: 604767
 Ion Ratio Lower Upper
 266 100
 268 62.5 50.6 76.0
 264 61.9 49.4 74.0





#71
Phenanthrene
Concen: 50.311 ng
RT: 17.433 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

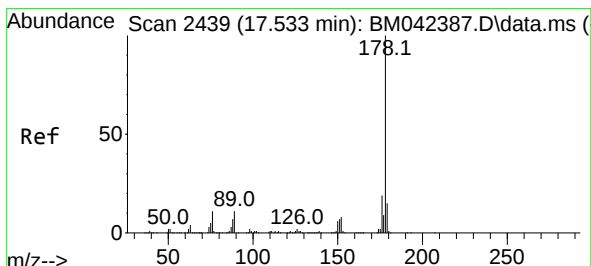
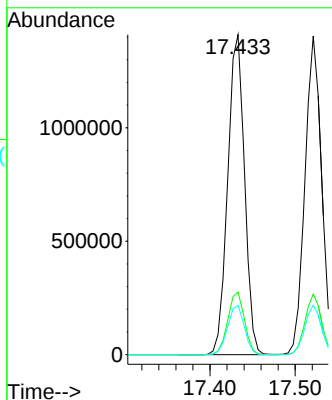
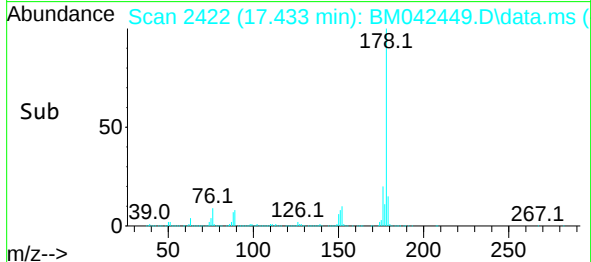
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



Tgt Ion:178 Resp: 1932714
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 15.4 12.3 18.5

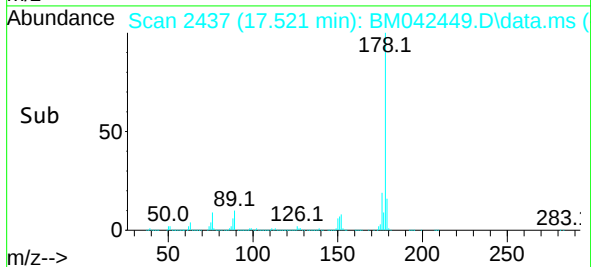
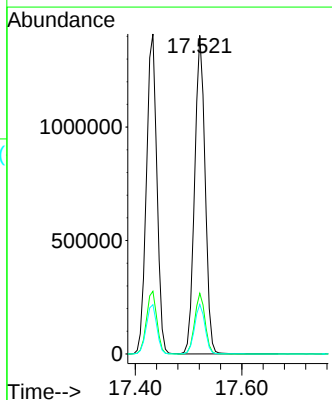
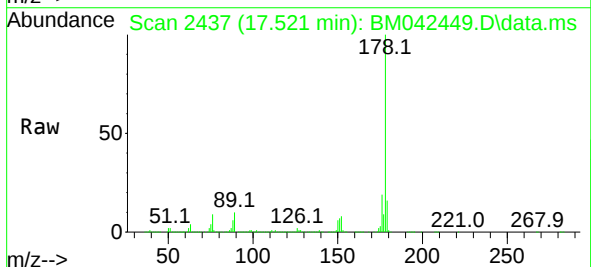
Manual Integrations
APPROVED

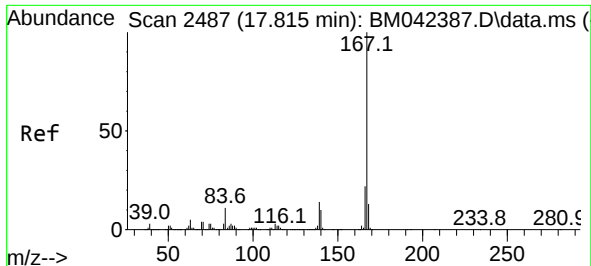
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023



#72
Anthracene
Concen: 50.124 ng
RT: 17.521 min Scan# 2437
Delta R.T. -0.012 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

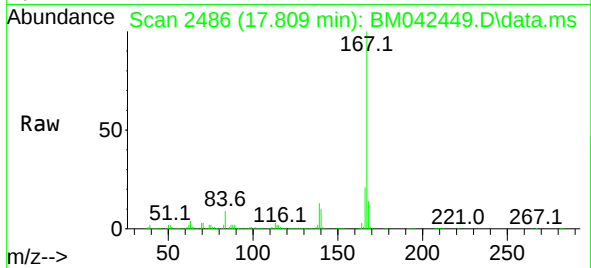
Tgt Ion:178 Resp: 1906997
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.6 12.1 18.1





#73
Carbazole
Concen: 49.614 ng
RT: 17.809 min Scan# 2487
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

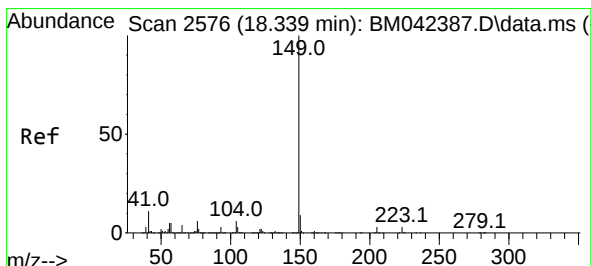
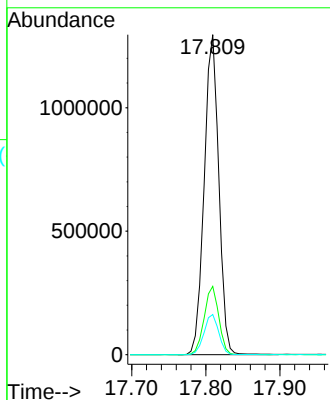
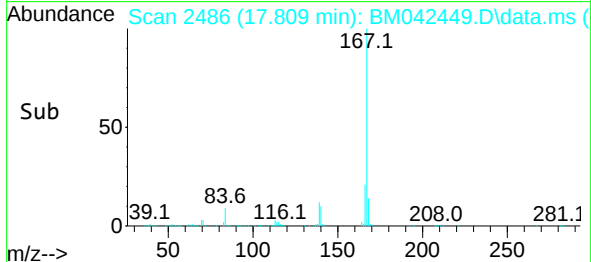
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



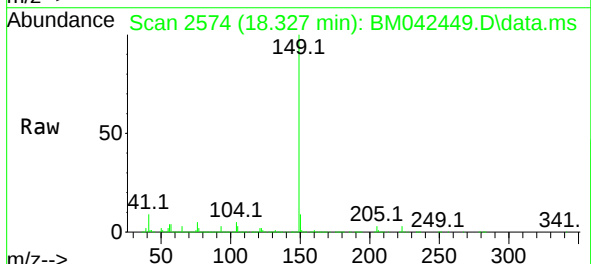
Tgt Ion:167 Resp: 1770811
Ion Ratio Lower Upper
167 100
166 21.3 17.4 26.0
139 12.6 10.9 16.3

Manual Integrations
APPROVED

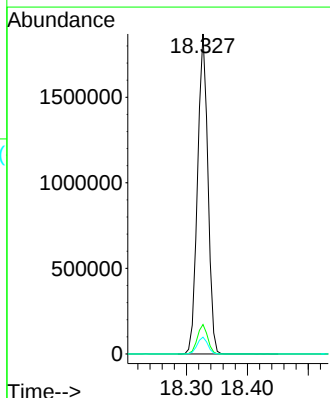
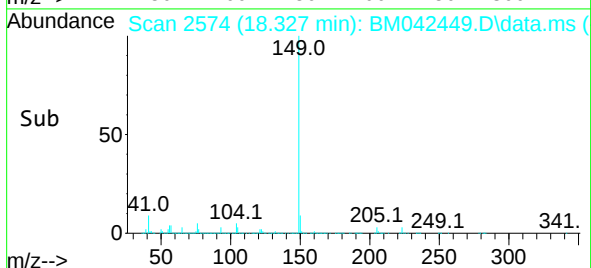
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023

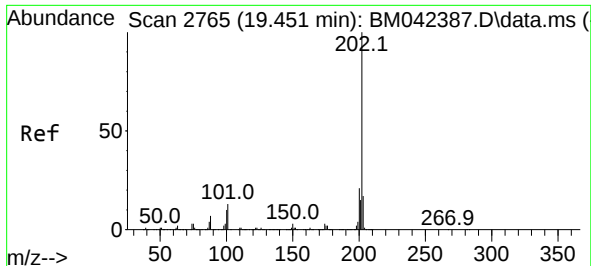


#74
Di-n-butylphthalate
Concen: 48.784 ng
RT: 18.327 min Scan# 2574
Delta R.T. -0.012 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07



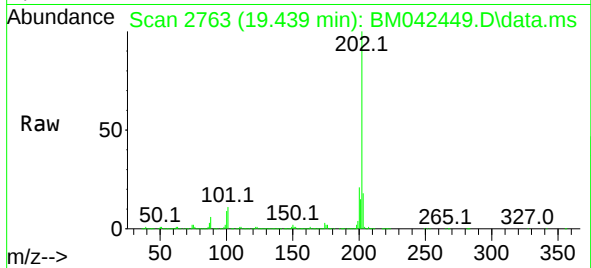
Tgt Ion:149 Resp: 2207020
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.0
104 5.3 4.6 7.0





#75
Fluoranthene
Concen: 56.908 ng
RT: 19.439 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

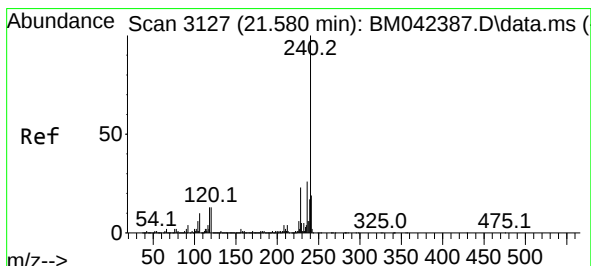
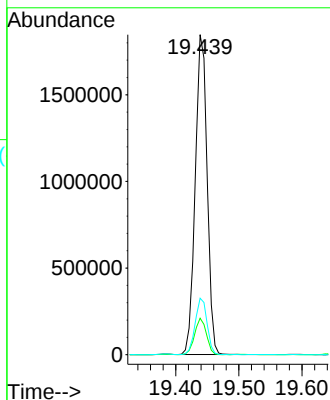
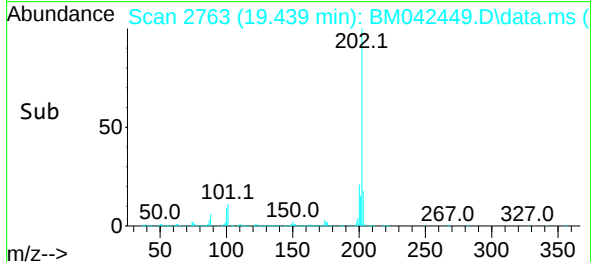
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



Tgt Ion:202 Resp: 2407698
Ion Ratio Lower Upper
202 100
101 11.4 0.0 33.3
203 17.6 0.0 37.5

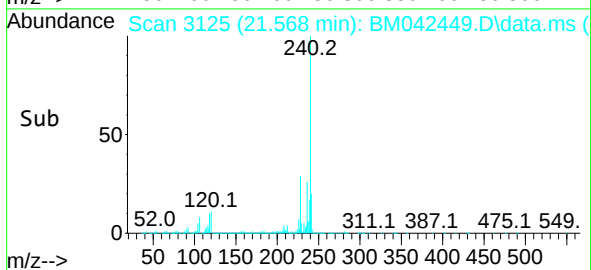
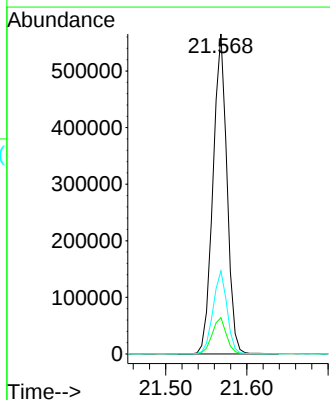
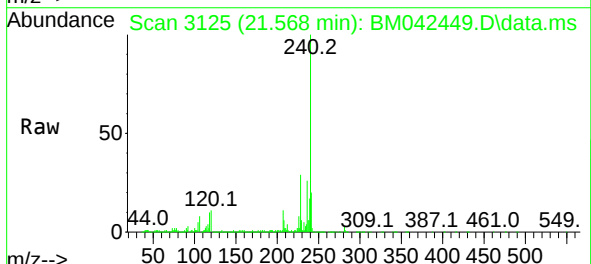
Manual Integrations
APPROVED

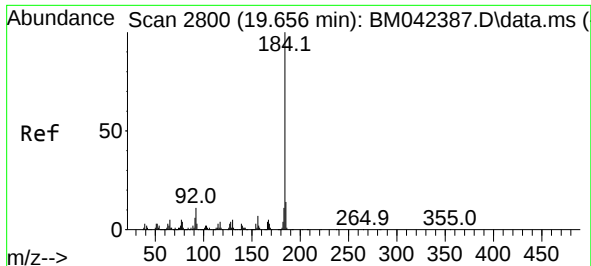
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.568 min Scan# 3125
Delta R.T. -0.012 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

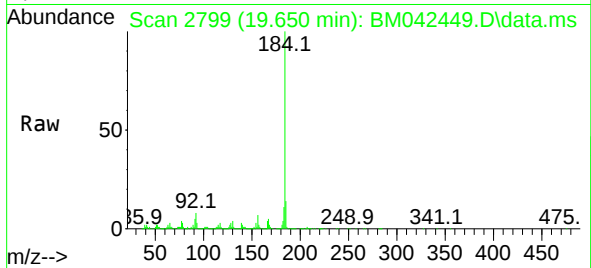
Tgt Ion:240 Resp: 676826
Ion Ratio Lower Upper
240 100
120 11.3 10.7 16.1
236 26.0 20.7 31.1





#77
Benzidine
Concen: 125.672 ng
RT: 19.650 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

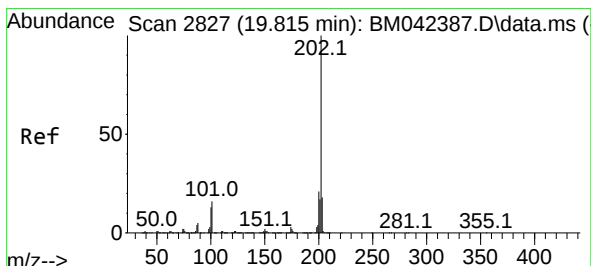
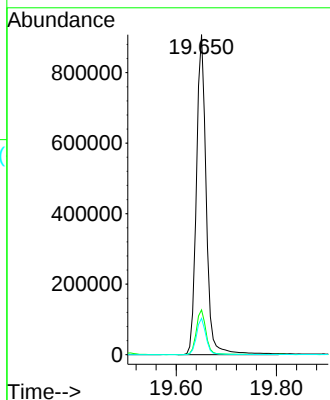
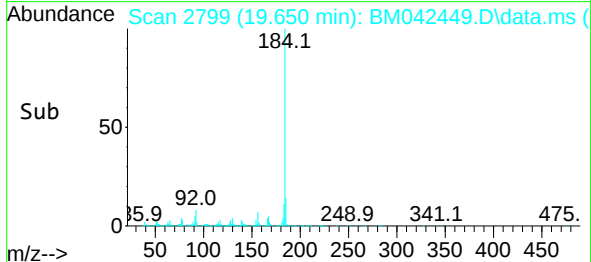
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



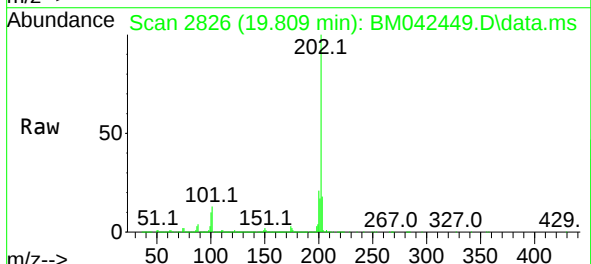
Tgt Ion:184 Resp: 1230299
Ion Ratio Lower Upper
184 100
185 14.0 11.5 17.3
183 11.3 9.2 13.8

Manual Integrations
APPROVED

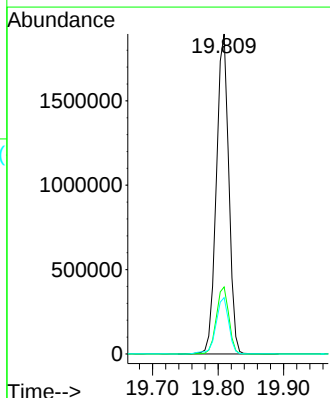
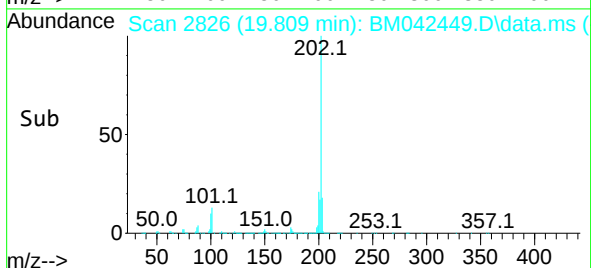
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023

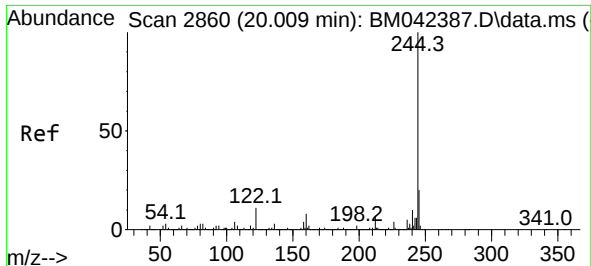


#78
Pyrene
Concen: 52.387 ng
RT: 19.809 min Scan# 2826
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07



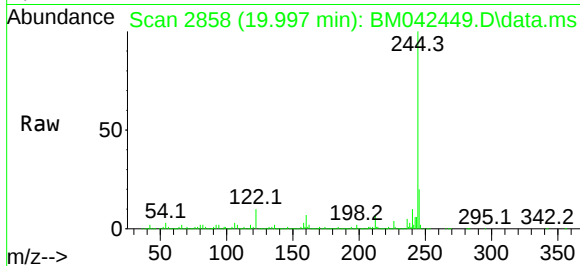
Tgt Ion:202 Resp: 2477719
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 17.6 14.1 21.1





#79
 Terphenyl-d14
 Concen: 66.682 ng
 RT: 19.997 min Scan# 2860
 Delta R.T. -0.012 min
 Lab File: BM042449.D
 Acq: 25 Oct 2023 22:07

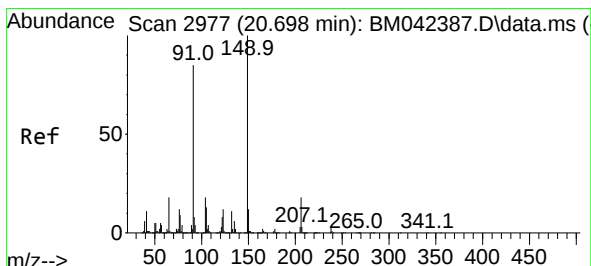
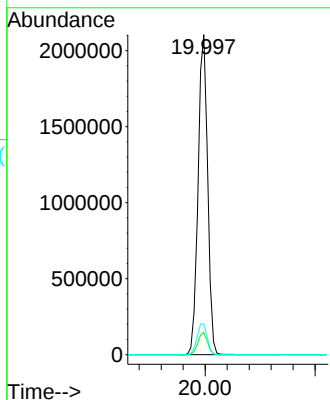
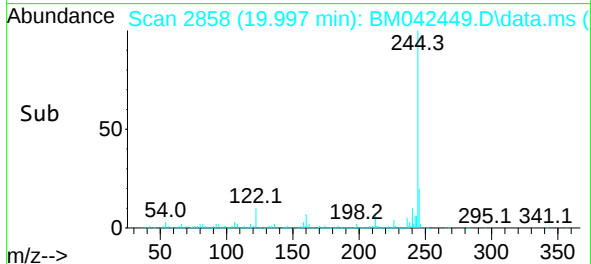
Instrument :
 BNA_M
 ClientSampleId :
 TRENCHWAY-SOIL-PILEMSD



Tgt Ion:244 Resp: 254481
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 9.6 8.8 13.2

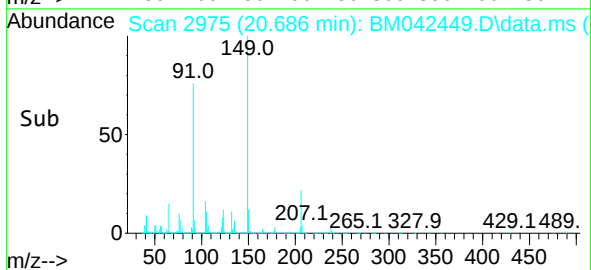
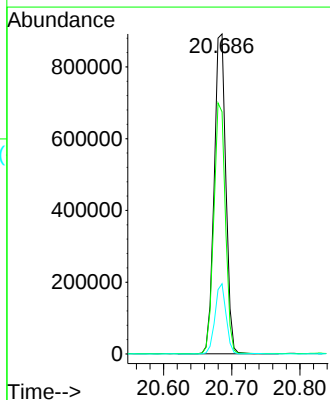
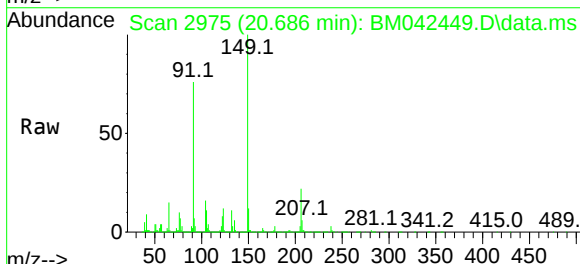
Manual Integrations
 APPROVED

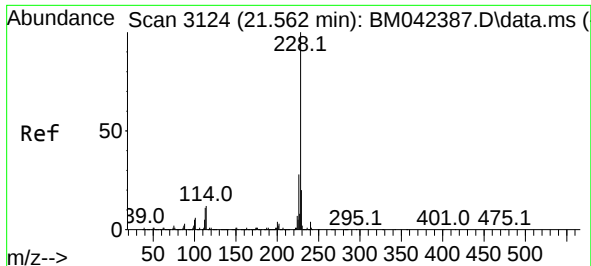
Reviewed By :Yogesh Patel 10/26/2023
 Supervised By :mohammad ahmed 10/26/2023



#80
 Butylbenzylphthalate
 Concen: 49.394 ng
 RT: 20.686 min Scan# 2975
 Delta R.T. -0.012 min
 Lab File: BM042449.D
 Acq: 25 Oct 2023 22:07

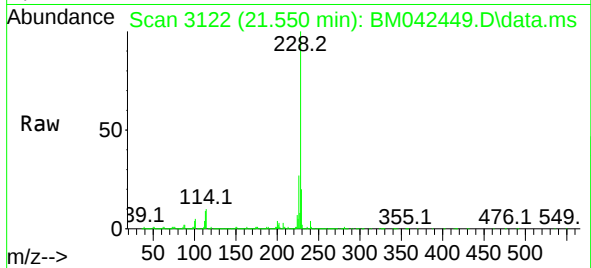
Tgt Ion:149 Resp: 1061148
 Ion Ratio Lower Upper
 149 100
 91 75.6 68.3 102.5
 206 21.9 14.6 22.0





#81
Benzo(a)anthracene
Concen: 52.439 ng
RT: 21.550 min Scan# 3112
Delta R.T. -0.012 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

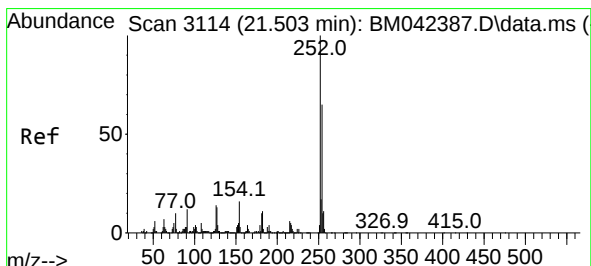
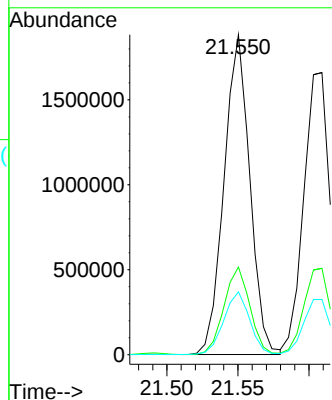
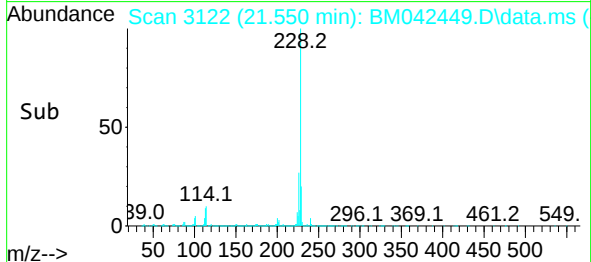
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



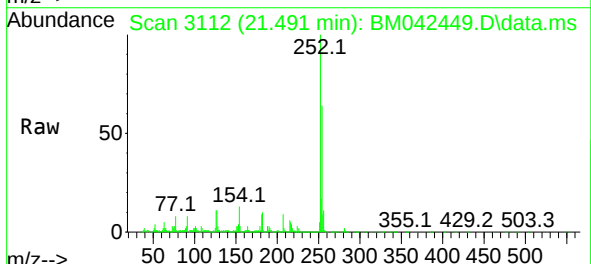
Tgt Ion:228 Resp: 2379310
Ion Ratio Lower Upper
228 100
226 27.4 22.2 33.4
229 19.6 15.7 23.5

Manual Integrations
APPROVED

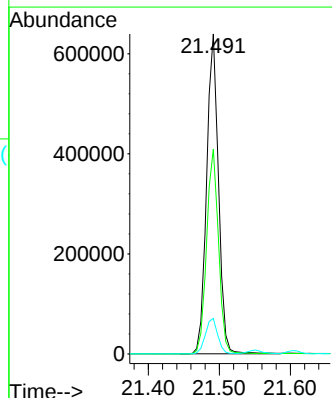
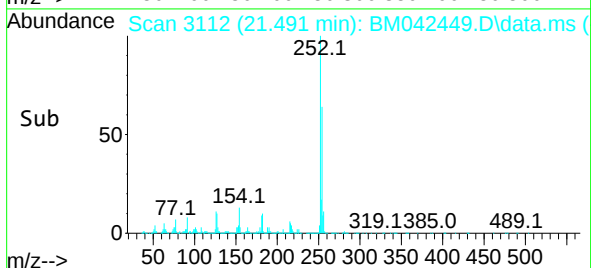
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023

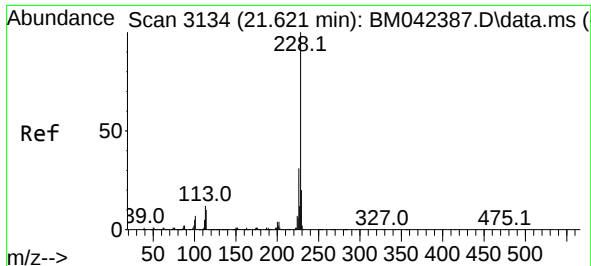


#82
3,3'-Dichlorobenzidine
Concen: 54.988 ng
RT: 21.491 min Scan# 3112
Delta R.T. -0.012 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07



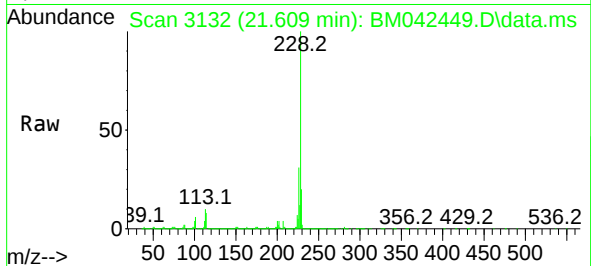
Tgt Ion:252 Resp: 744799
Ion Ratio Lower Upper
252 100
254 64.0 52.2 78.2
126 11.1 11.4 17.2#





#83
Chrysene
Concen: 49.164 ng
RT: 21.609 min Scan# 3132
Delta R.T. -0.012 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

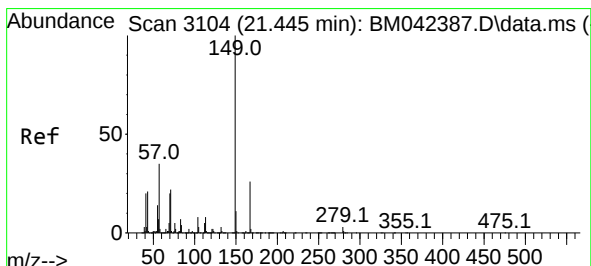
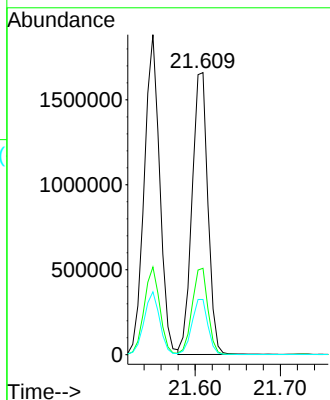
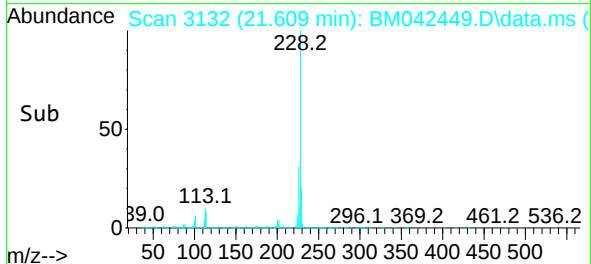
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD



Tgt Ion:228 Resp: 214251
Ion Ratio Lower Upper
228 100
226 30.6 24.6 36.8
229 19.6 15.7 23.5

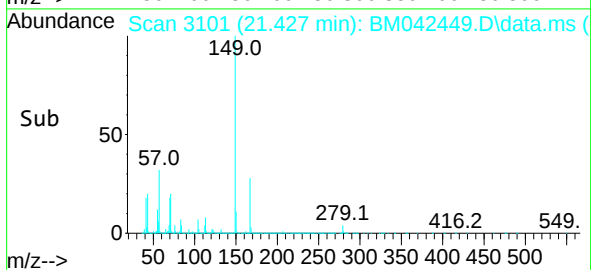
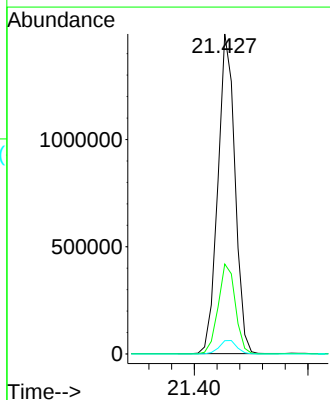
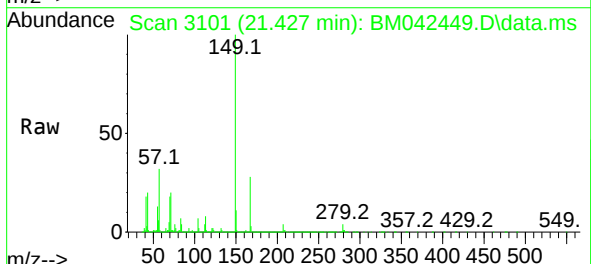
Manual Integrations
APPROVED

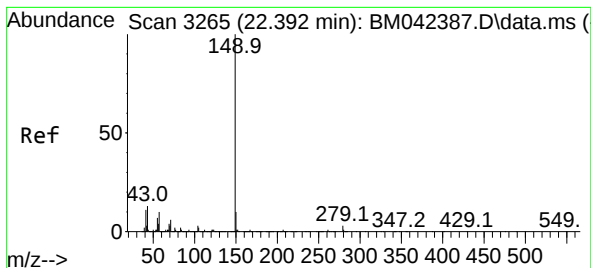
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 50.990 ng
RT: 21.427 min Scan# 3101
Delta R.T. -0.018 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

Tgt Ion:149 Resp: 1560981
Ion Ratio Lower Upper
149 100
167 28.1 20.9 31.3
279 4.1 2.7 4.1#





#85

Di-n-octyl phthalate

Concen: 51.486 ng

RT: 22.374 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM042449.D

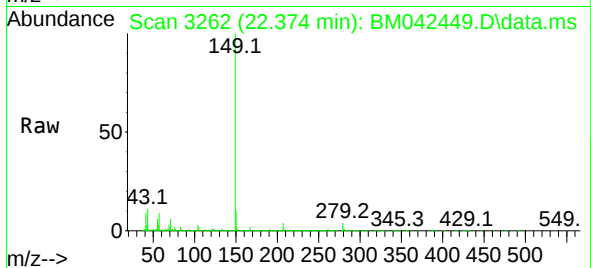
Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD



Tgt Ion:149 Resp: 272220

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

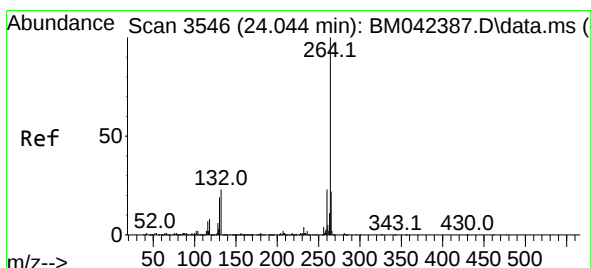
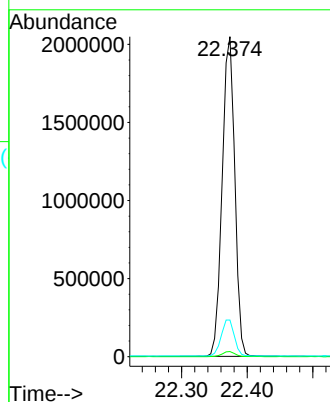
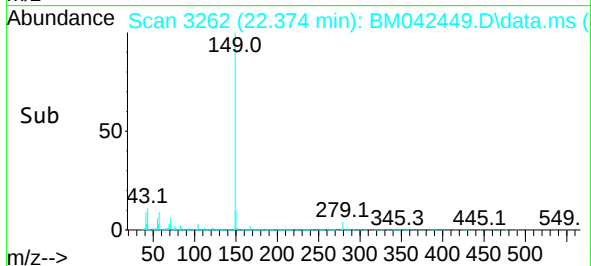
43 11.6 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/26/2023

Supervised By :mohammad ahmed 10/26/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.027 min Scan# 3543

Delta R.T. -0.018 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

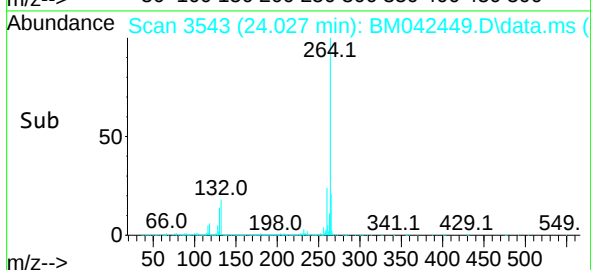
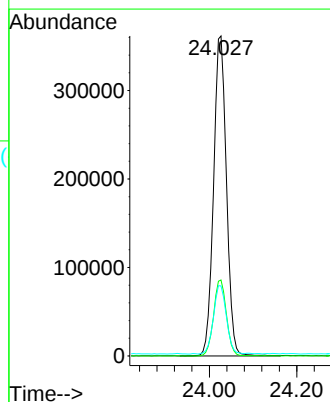
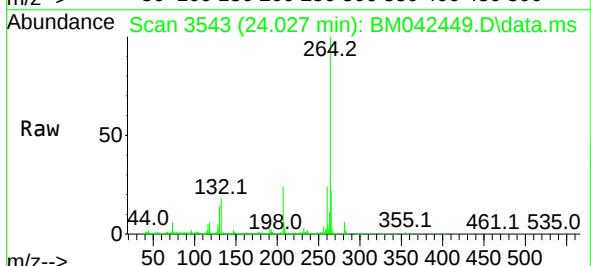
Tgt Ion:264 Resp: 741102

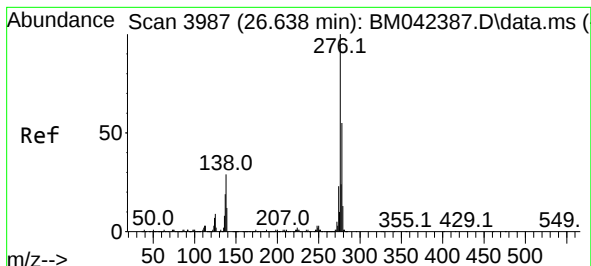
Ion Ratio Lower Upper

264 100

260 23.8 18.6 27.8

265 21.9 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 46.876 ng

RT: 26.615 min Scan# 3983

Delta R.T. -0.024 min

Lab File: BM042449.D

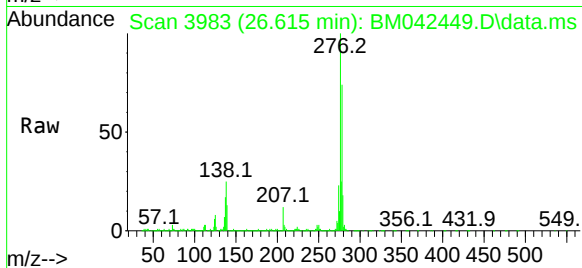
Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD



Tgt Ion:276 Resp: 253880

Ion Ratio Lower Upper

276 100

138 25.7 25.6 38.4

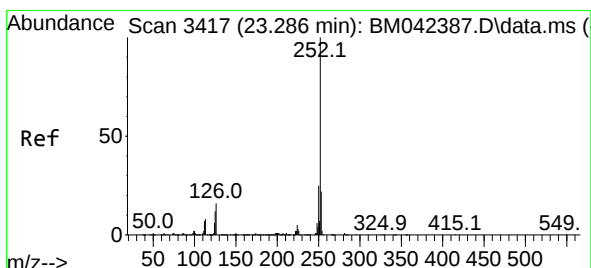
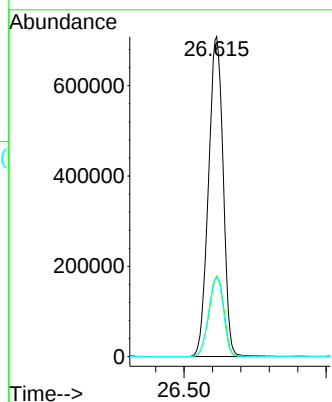
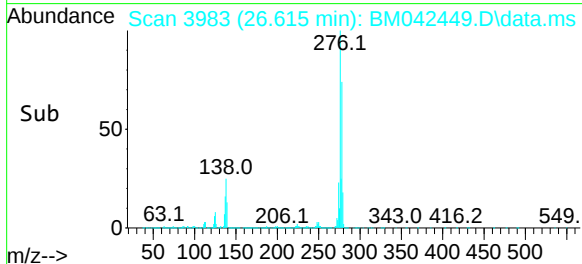
277 25.1 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/26/2023

Supervised By :mohammad ahmed 10/26/2023



#88

Benzo(b)fluoranthene

Concen: 51.837 ng m

RT: 23.268 min Scan# 3414

Delta R.T. -0.018 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

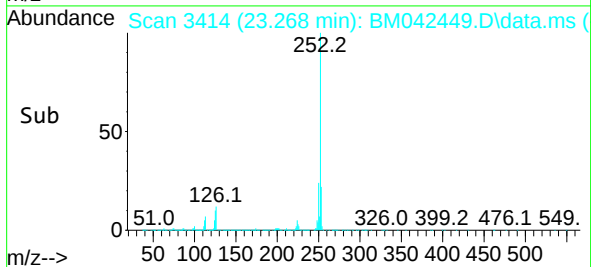
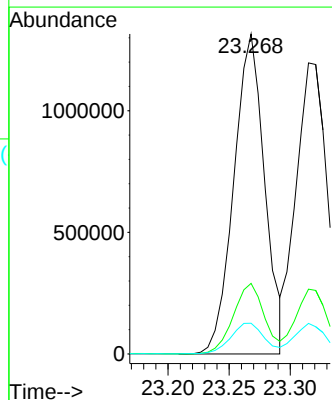
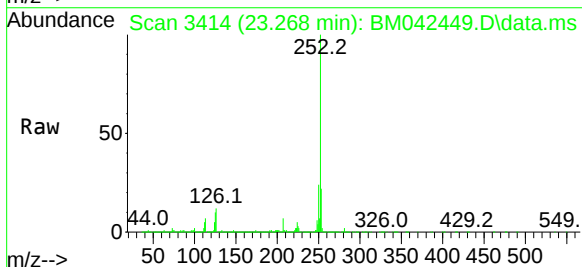
Tgt Ion:252 Resp: 2312399

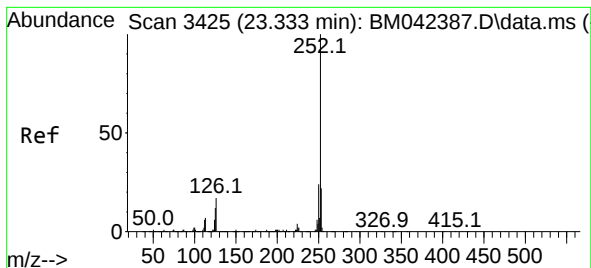
Ion Ratio Lower Upper

252 100

253 22.1 18.0 27.0

125 9.6 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 45.653 ng

RT: 23.315 min Scan# 34

Delta R.T. -0.018 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD

Tgt Ion:252 Resp: 211437

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

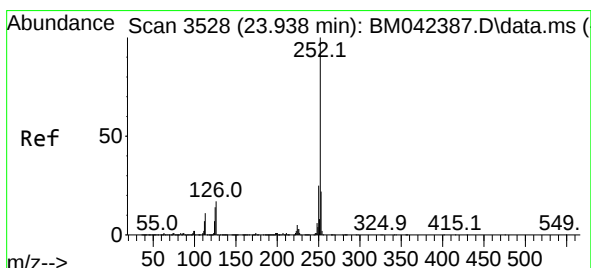
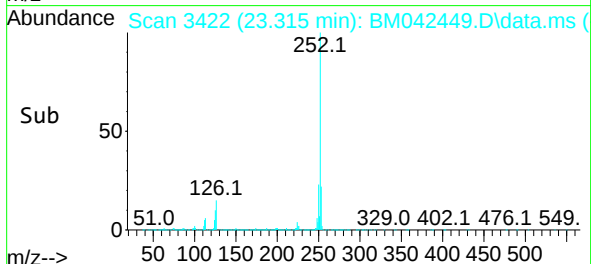
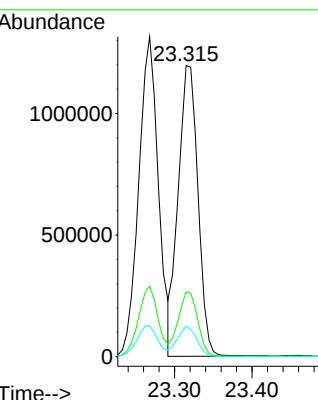
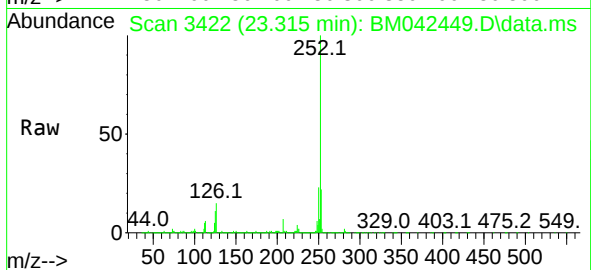
125 10.5 10.2 15.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/26/2023

Supervised By :mohammad ahmed 10/26/2023



#90

Benzo(a)pyrene

Concen: 46.255 ng

RT: 23.921 min Scan# 3525

Delta R.T. -0.018 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

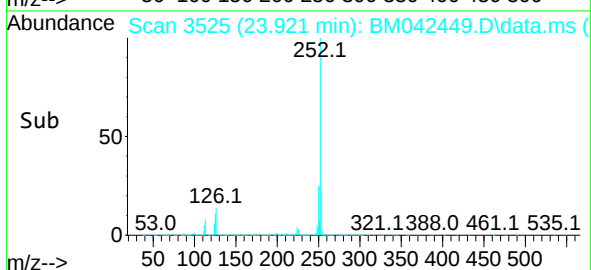
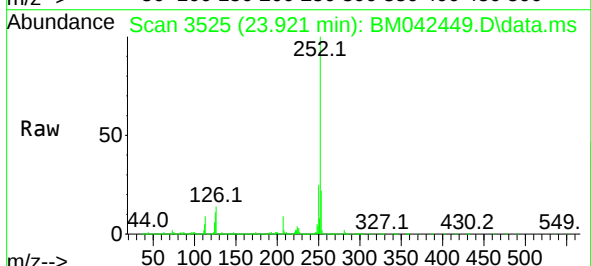
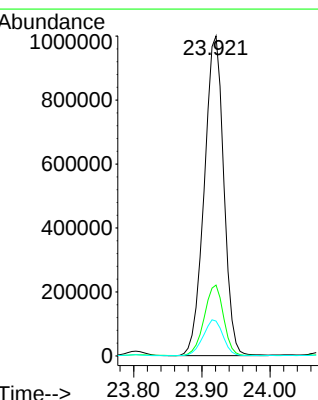
Tgt Ion:252 Resp: 1986036

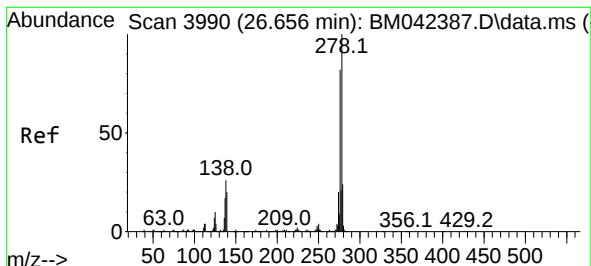
Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

125 10.9 10.9 16.3





#91

Dibenzo(a,h)anthracene

Concen: 46.417 ng

RT: 26.632 min Scan# 3990

Delta R.T. -0.024 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD

Tgt Ion:278 Resp: 209014

Ion Ratio Lower Upper

278 100

139 15.5 15.6 23.4

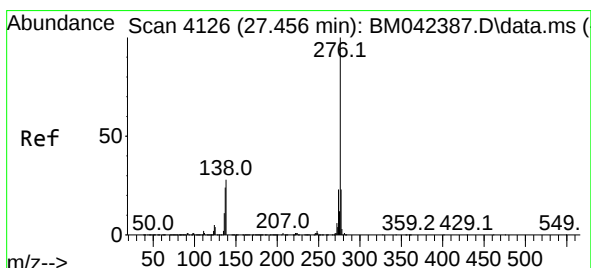
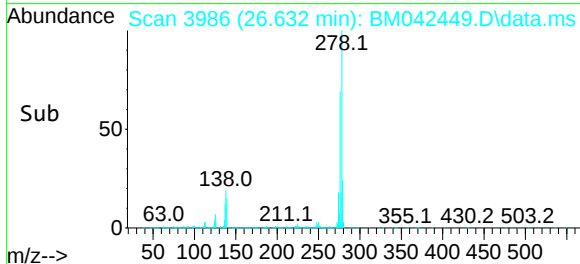
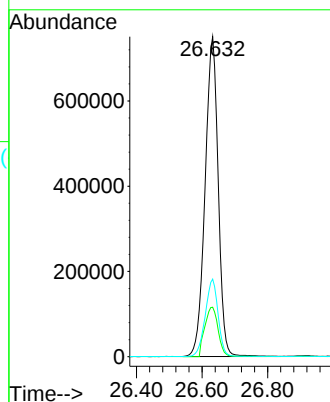
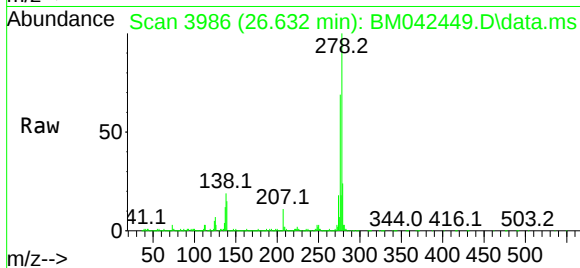
279 24.3 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/26/2023

Supervised By :mohammad ahmed 10/26/2023



#92

Benzo(g,h,i)perylene

Concen: 46.100 ng

RT: 27.421 min Scan# 4120

Delta R.T. -0.035 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Tgt Ion:276 Resp: 2015981

Ion Ratio Lower Upper

276 100

277 23.8 18.3 27.5

138 23.0 22.6 34.0

