

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080423\
 Data File : BM041288.D
 Acq On : 04 Aug 2023 11:14
 Operator : MA/JU
 Sample : 03854-02MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BERGENFIELD-SOIL-COMPMSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/07/2023
 Supervised By :mohammad ahmed 08/07/2023

Quant Time: Aug 04 12:12:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 19:20:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	138625	20.000	ng	0.00
21) Naphthalene-d8	10.598	136	595846	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	398305	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	918504	20.000	ng	0.00
76) Chrysene-d12	21.433	240	901231	20.000	ng	0.00
86) Perylene-d12	23.803	264	911563	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1094642	118.019	ng	0.00
7) Phenol-d6	6.981	99	1389969	115.611	ng	0.00
23) Nitrobenzene-d5	8.975	82	1017971	79.451	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	842000	149.455	ng	0.00
45) 2-Fluorobiphenyl	13.080	172	2445506	77.561	ng	0.00
79) Terphenyl-d14	19.862	244	4456251	89.402	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.269	88	117556	29.627	ng	Qvalue
3) Pyridine	3.675	79	310323	29.745	ng	# 43
4) n-Nitrosodimethylamine	3.587	42	171753	35.596	ng	96
6) Aniline	7.128	93	379035	26.939	ng	94
8) 2-Chlorophenol	7.357	128	437545	48.322	ng	99
9) Benzaldehyde	6.940	77	194248m	30.619	ng	99
10) Phenol	7.004	94	515256	44.373	ng	97
11) bis(2-Chloroethyl)ether	7.228	93	414972	44.148	ng	96
12) 1,3-Dichlorobenzene	7.675	146	438897	44.529	ng	99
13) 1,4-Dichlorobenzene	7.828	146	453935	45.821	ng	100
14) 1,2-Dichlorobenzene	8.140	146	443183	46.656	ng	100
15) Benzyl Alcohol	8.051	79	442929	58.337	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.334	45	502948	40.159	ng	94
17) 2-Methylphenol	8.257	107	384045	48.409	ng	99
18) Hexachloroethane	8.857	117	168826	45.774	ng	92
19) n-Nitroso-di-n-propyla...	8.616	70	368649	50.482	ng	96
20) 3+4-Methylphenols	8.587	107	528165	49.793	ng	98
22) Acetophenone	8.634	105	693447	43.943	ng	# 98
24) Nitrobenzene	9.016	77	537362	41.472	ng	99
25) Isophorone	9.539	82	1040125	47.822	ng	98
26) 2-Nitrophenol	9.722	139	255288	50.400	ng	95
27) 2,4-Dimethylphenol	9.787	122	406036	45.555	ng	99
28) bis(2-Chloroethoxy)met...	10.022	93	602601	44.231	ng	99
29) 2,4-Dichlorophenol	10.257	162	475971	52.953	ng	99
30) 1,2,4-Trichlorobenzene	10.463	180	470430	47.371	ng	99
31) Naphthalene	10.651	128	1358785	42.023	ng	99
32) Benzoic acid	9.951	122	191166	31.455	ng	97
33) 4-Chloroaniline	10.786	127	108244	8.377	ng	98
34) Hexachlorobutadiene	10.916	225	287781	48.182	ng	98
35) Caprolactam	11.610	113	134032m	51.547	ng	
36) 4-Chloro-3-methylphenol	11.922	107	515797	54.521	ng	98
37) 2-Methylnaphthalene	12.269	142	981474	45.024	ng	99
38) 1-Methylnaphthalene	12.492	142	944053	46.271	ng	100
40) 1,2,4,5-Tetrachloroben...	12.639	216	566386	43.792	ng	# 97
41) Hexachlorocyclopentadiene	12.604	237	490879	71.741	ng	100
43) 2,4,6-Trichlorophenol	12.892	196	416995	50.304	ng	99

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Manual Integrations
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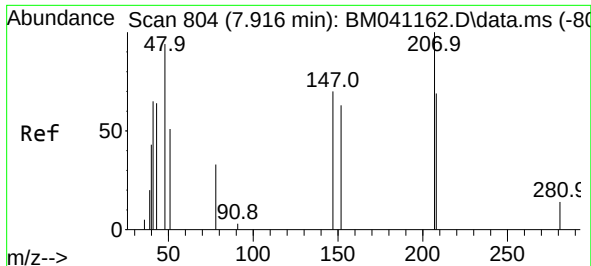
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.969	196	458399	47.777	ng	97
46) 1,1'-Biphenyl	13.292	154	1345157	41.658	ng	98
47) 2-Chloronaphthalene	13.333	162	1062963	44.088	ng	98
48) 2-Nitroaniline	13.557	65	367938	47.809	ng	97
49) Acenaphthylene	14.186	152	1745534	44.854	ng	100
50) Dimethylphthalate	13.933	163	1467779	48.989	ng	99
51) 2,6-Dinitrotoluene	14.063	165	316239	50.941	ng	93
52) Acenaphthene	14.527	154	999647	42.640	ng	100
53) 3-Nitroaniline	14.392	138	217876	31.278	ng	93
54) 2,4-Dinitrophenol	14.616	184	207429	51.705	ng	# 86
55) Dibenzofuran	14.863	168	1702267	44.504	ng	99
56) 4-Nitrophenol	14.722	139	476298	92.059	ng	94
57) 2,4-Dinitrotoluene	14.857	165	447753	50.367	ng	95
58) Fluorene	15.516	166	1384358	45.878	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.098	232	409526	52.710	ng	95
60) Diethylphthalate	15.298	149	1422287	49.088	ng	98
61) 4-Chlorophenyl-phenyle...	15.510	204	728498	48.178	ng	96
62) 4-Nitroaniline	15.569	138	310844	47.038	ng	97
63) Azobenzene	15.804	77	1386487	43.686	ng	97
65) 4,6-Dinitro-2-methylph...	15.627	198	184692	33.193	ng	86
66) n-Nitrosodiphenylamine	15.733	169	1201313	42.054	ng	98
67) 4-Bromophenyl-phenylether	16.410	248	459772	45.655	ng	98
68) Hexachlorobenzene	16.521	284	543103	48.499	ng	96
69) Atrazine	16.698	200	463226	61.748	ng	99
70) Pentachlorophenol	16.874	266	613563	79.126	ng	99
71) Phenanthrene	17.268	178	2214264	43.389	ng	100
72) Anthracene	17.357	178	2253529	44.649	ng	100
73) Carbazole	17.639	167	2102292	46.020	ng	100
74) Di-n-butylphthalate	18.192	149	2615395	50.665	ng	99
75) Fluoranthene	19.292	202	2745809	47.891	ng	99
77) Benzidine	19.486	184	664547	54.100	ng	99
78) Pyrene	19.656	202	2878790	45.677	ng	100
80) Butylbenzylphthalate	20.556	149	1235426	53.678	ng	96
81) Benzo(a)anthracene	21.415	228	2891229	47.323	ng	99
82) 3,3'-Dichlorobenzidine	21.350	252	613559	30.776	ng	98
83) Chrysene	21.468	228	2615392	44.258	ng	100
84) Bis(2-ethylhexyl)phtha...	21.333	149	1827124	49.885	ng	# 96
85) Di-n-octyl phthalate	22.250	149	3158678	54.303	ng	# 95
87) Indeno(1,2,3-cd)pyrene	26.274	276	2656897	39.644	ng	95
88) Benzo(b)fluoranthene	23.086	252	2684721	49.577	ng	# 98
89) Benzo(k)fluoranthene	23.139	252	2589164m	46.742	ng	
90) Benzo(a)pyrene	23.703	252	2251109	43.263	ng	# 97
91) Dibenzo(a,h)anthracene	26.285	278	2237883	40.034	ng	# 96
92) Benzo(g,h,i)perylene	27.027	276	2060986	37.680	ng	# 95

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

Manual Integrations

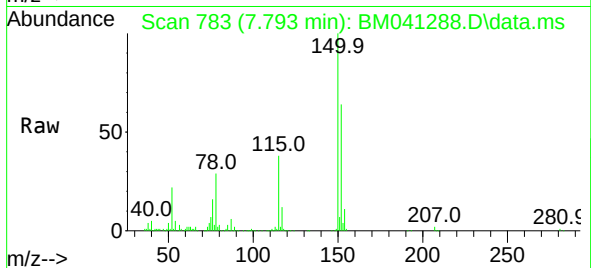
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.793 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

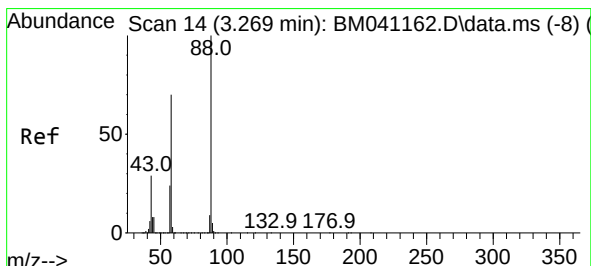
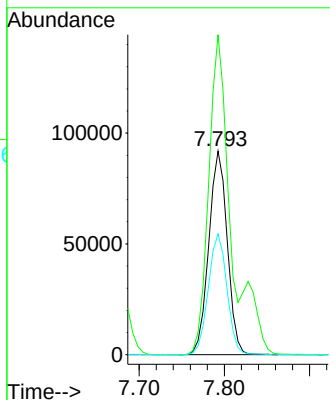
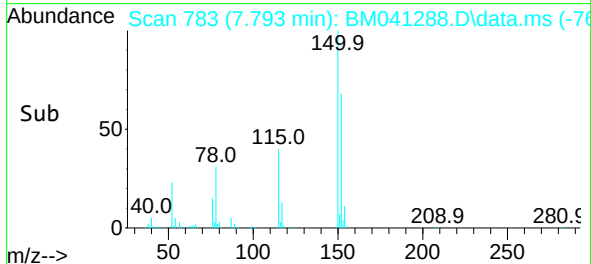
Instrument :
BNA_M
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BERGENFIELD-SOIL-COMPMSD



Tgt Ion: 152 Resp: 13862
Ion Ratio Lower Upper
152 100
150 157.2 125.5 188.3
115 59.3 48.0 72.0

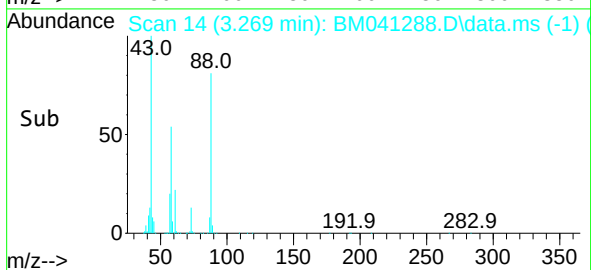
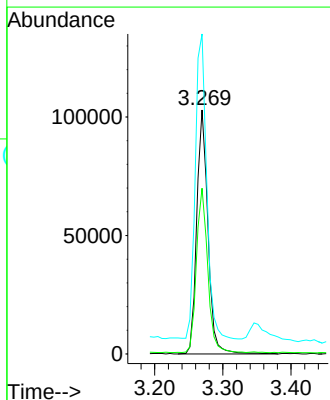
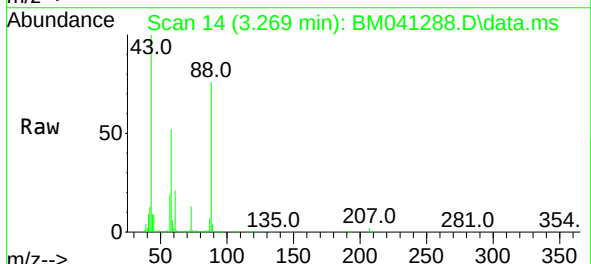
Manual Integrations
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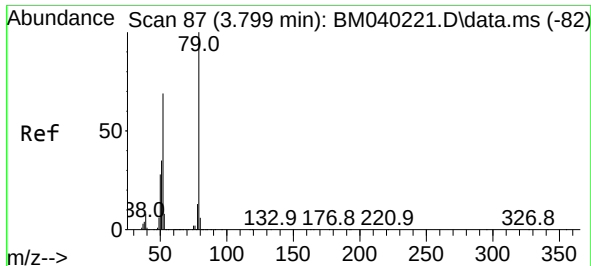
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#2
1,4-Dioxane
Concen: 29.627 ng
RT: 3.269 min Scan# 14
Delta R.T. 0.012 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

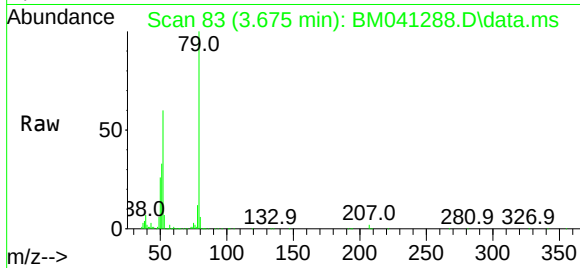
Tgt Ion: 88 Resp: 117556
Ion Ratio Lower Upper
88 100
58 67.5 58.2 87.4
43 128.1 24.4 36.6





#3
 Pyridine
 Concen: 29.745 ng
 RT: 3.675 min Scan# 81
 Delta R.T. 0.012 min
 Lab File: BM041288.D
 Acq: 04 Aug 2023 11:14

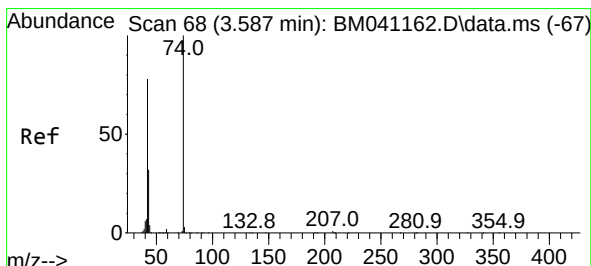
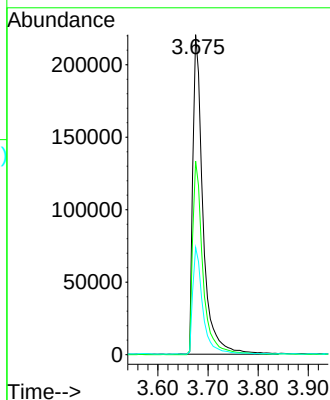
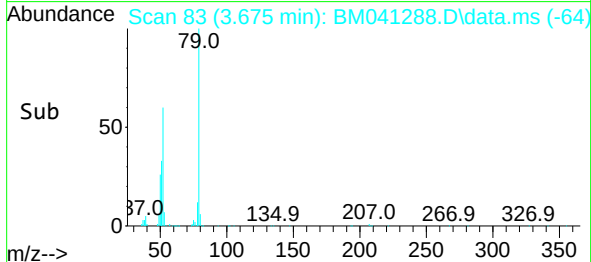
Instrument :
 BNA_M
 ClientSampleId :
 BERGENFIELD-SOIL-COMPMSD



Tgt Ion: 79 Resp: 31032
 Ion Ratio Lower Upper
 79 100
 52 60.5 52.1 78.1
 51 33.5 27.5 41.3

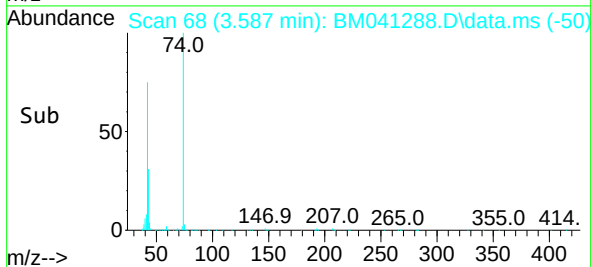
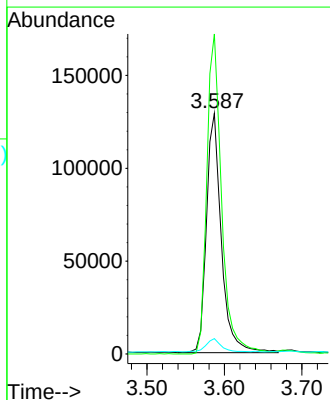
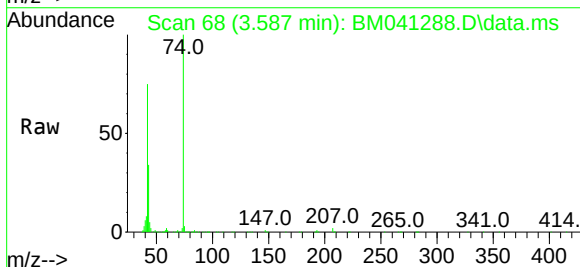
Manual Integrations
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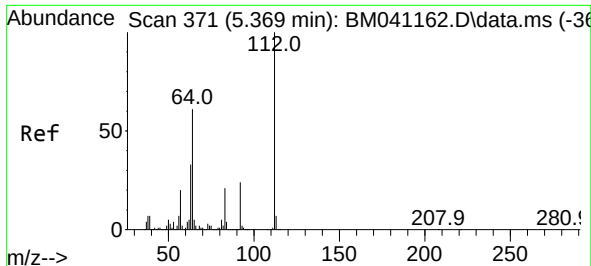
Reviewed By :Yogesh Patel 08/07/2023
 Supervised By :mohammad ahmed 08/07/2023



#4
 n-Nitrosodimethylamine
 Concen: 35.596 ng
 RT: 3.587 min Scan# 68
 Delta R.T. 0.006 min
 Lab File: BM041288.D
 Acq: 04 Aug 2023 11:14

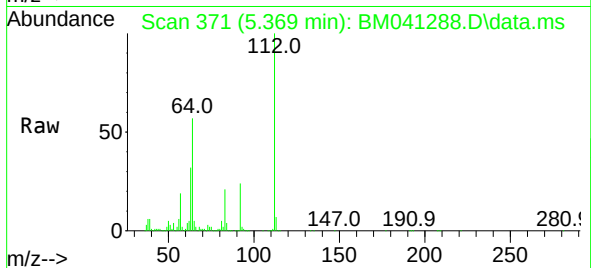
Tgt Ion: 42 Resp: 171753
 Ion Ratio Lower Upper
 42 100
 74 132.9 100.8 151.2
 44 6.4 5.0 7.4





#5
2-Fluorophenol
Concen: 118.019 ng
RT: 5.369 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

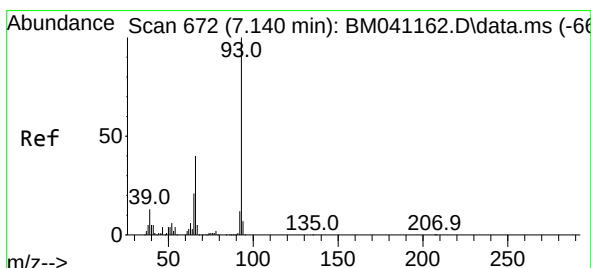
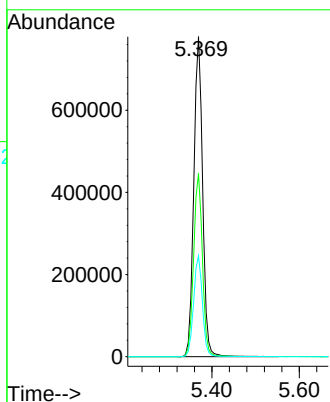
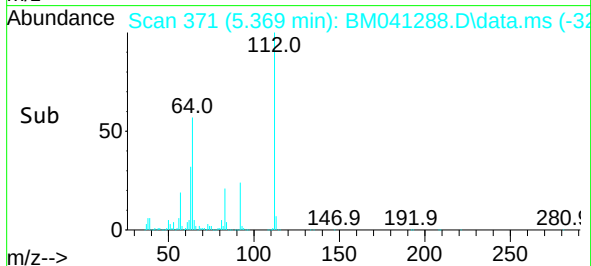
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Tgt Ion:112 Resp: 109464
Ion Ratio Lower Upper
112 100
64 57.2 48.5 72.7
63 31.5 26.5 39.7

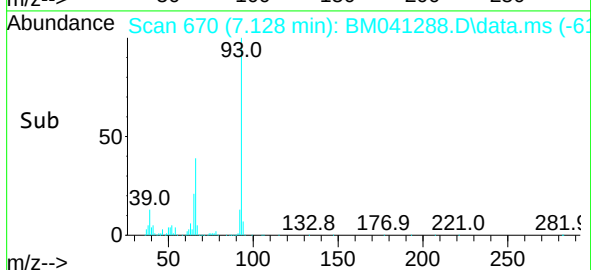
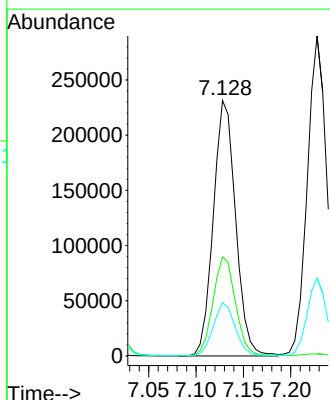
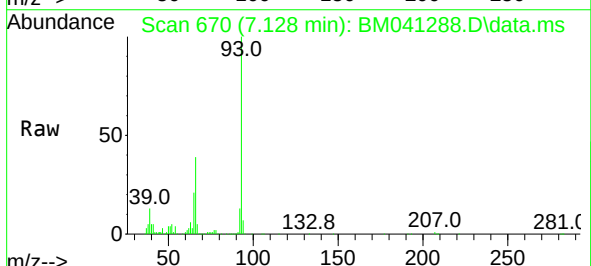
Manual Integrations
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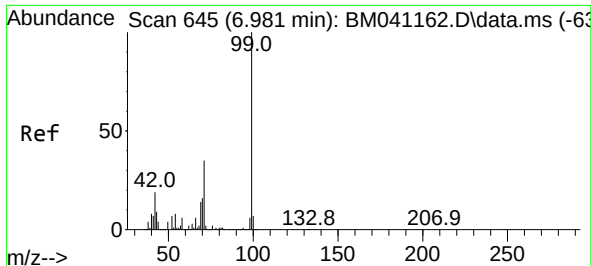
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#6
Aniline
Concen: 26.939 ng
RT: 7.128 min Scan# 670
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

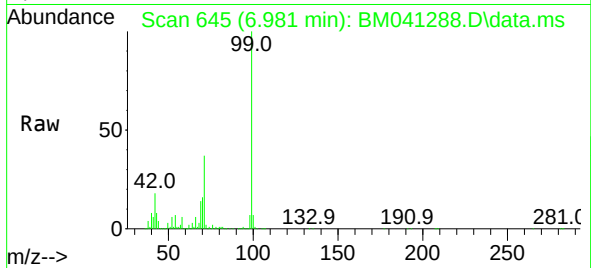
Tgt Ion: 93 Resp: 379035
Ion Ratio Lower Upper
93 100
66 38.8 32.0 48.0
65 20.9 16.6 24.8





#7
Phenol-d6
Concen: 115.611 ng
RT: 6.981 min Scan# 645
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

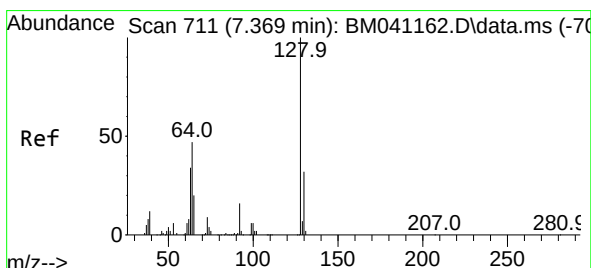
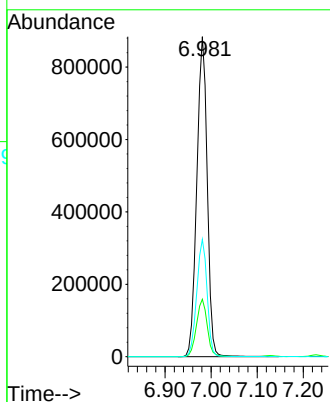
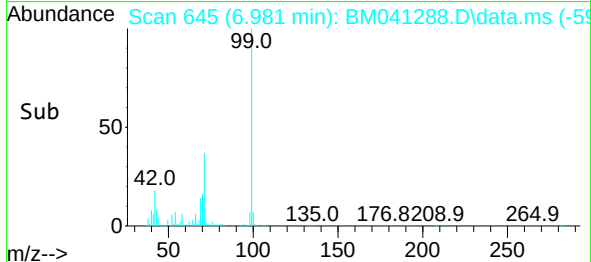
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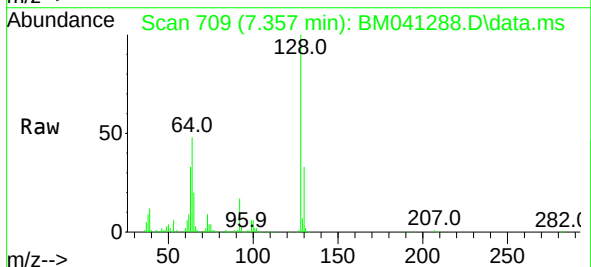
Tgt Ion: 99 Resp: 1389969
Ion Ratio Lower Upper
99 100
42 17.9 15.4 23.0
71 36.6 28.2 42.4

Manual Integrations
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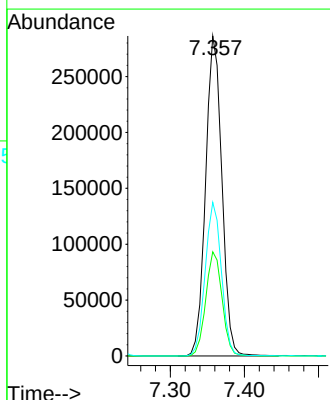
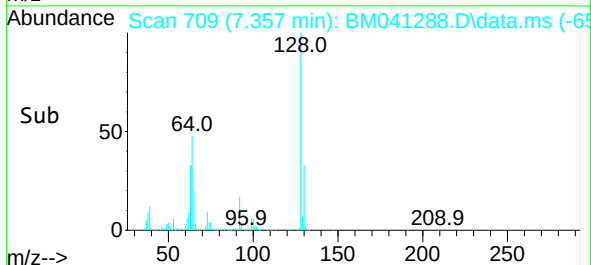
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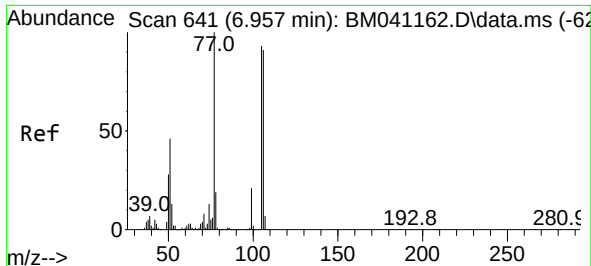


#8
2-Chlorophenol
Concen: 48.322 ng
RT: 7.357 min Scan# 709
Delta R.T. -0.006 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14



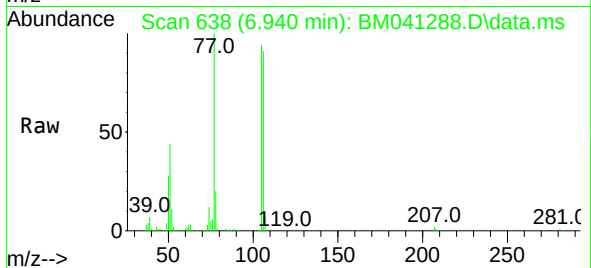
Tgt Ion:128 Resp: 437545
Ion Ratio Lower Upper
128 100
130 32.5 12.3 52.3
64 48.0 29.3 69.3





#9
Benzaldehyde
Concen: 30.619 ng m
RT: 6.940 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

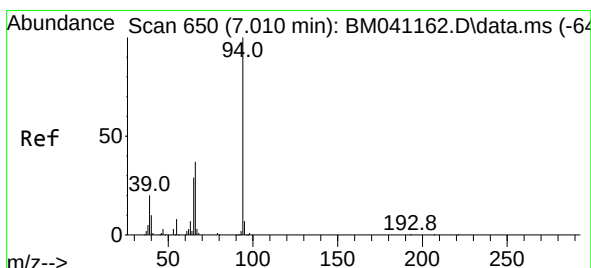
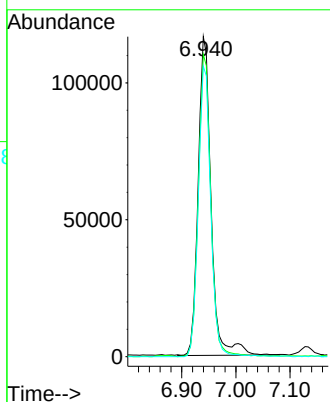
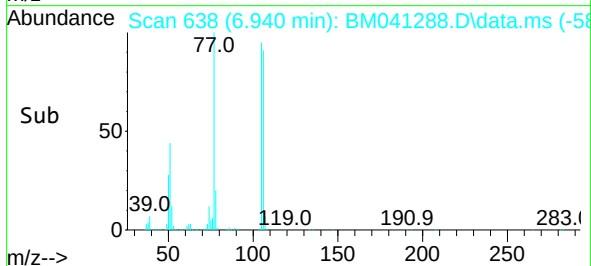
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD



Tgt Ion: 77 Resp: 19424
Ion Ratio Lower Upper
77 100
105 94.5 72.8 112.8
106 90.7 70.8 110.8

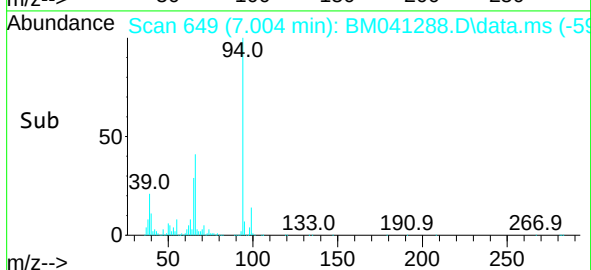
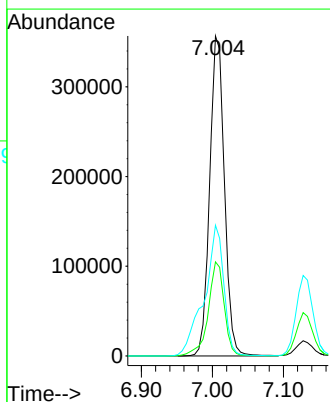
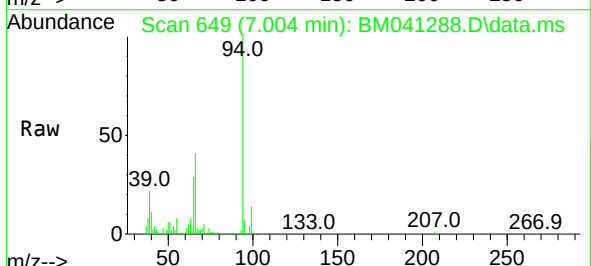
Manual Integrations
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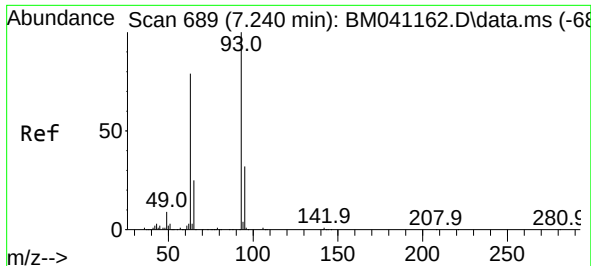
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#10
Phenol
Concen: 44.373 ng
RT: 7.004 min Scan# 649
Delta R.T. -0.006 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

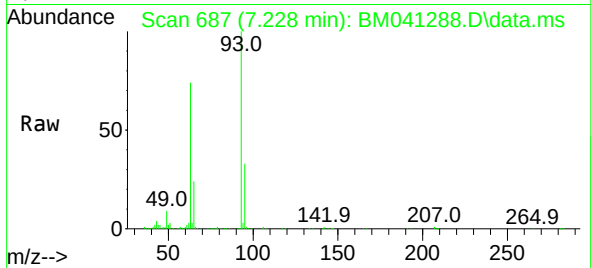
Tgt Ion: 94 Resp: 515256
Ion Ratio Lower Upper
94 100
65 29.4 9.5 49.5
66 40.8 18.0 58.0





#11
bis(2-Chloroethyl)ether
Concen: 44.148 ng
RT: 7.228 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

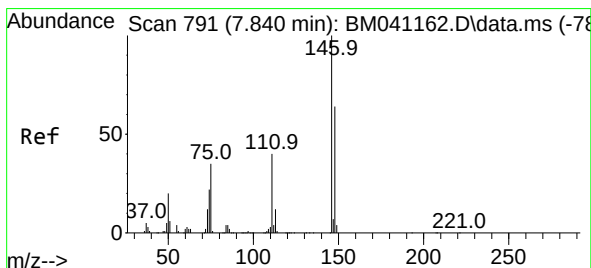
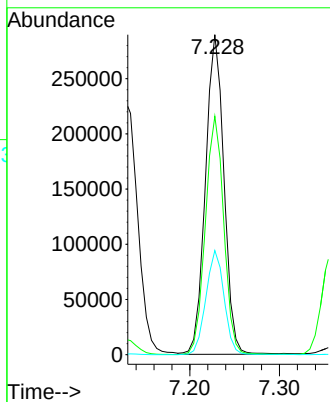
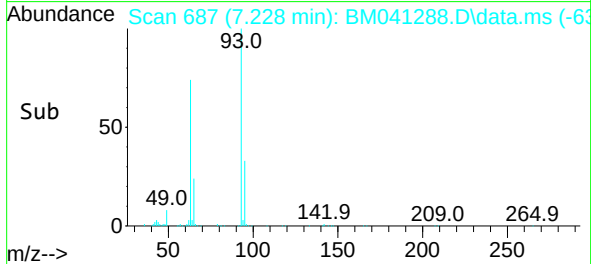
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD



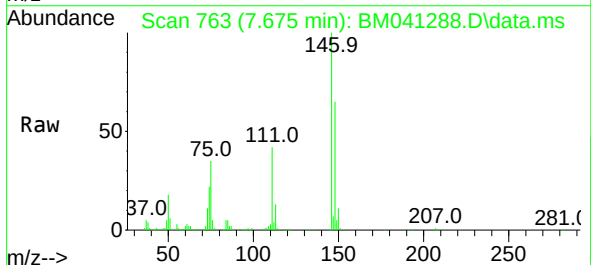
Tgt Ion: 93 Resp: 414972
Ion Ratio Lower Upper
93 100
63 74.5 58.8 98.8
95 32.6 11.8 51.8

Manual Integrations
APPROVED

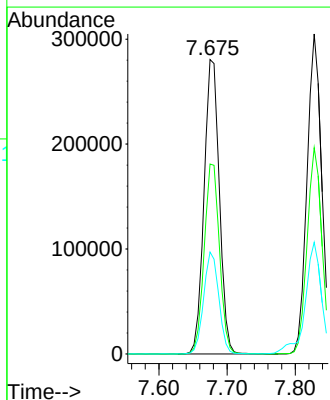
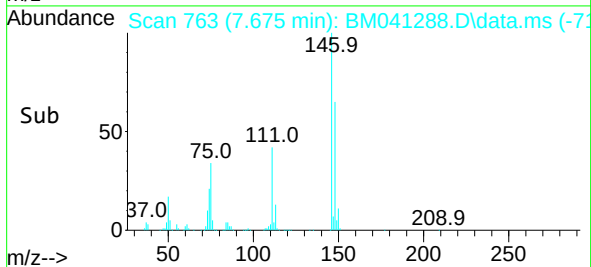
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

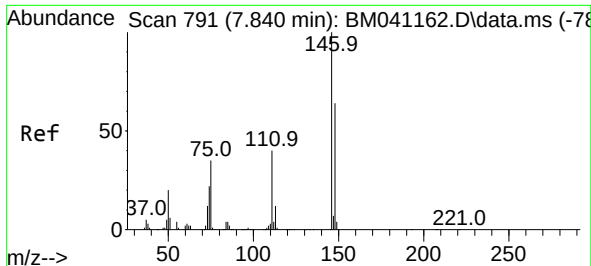


#12
1,3-Dichlorobenzene
Concen: 44.529 ng
RT: 7.675 min Scan# 763
Delta R.T. -0.006 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14



Tgt Ion:146 Resp: 438897
Ion Ratio Lower Upper
146 100
148 64.5 51.9 77.9
75 34.6 28.3 42.5





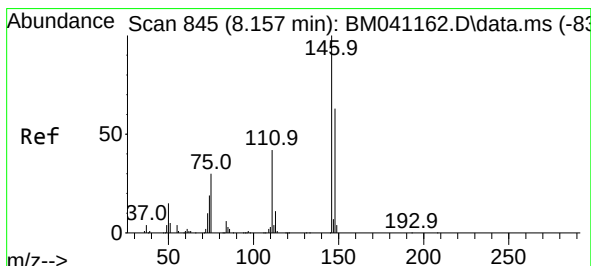
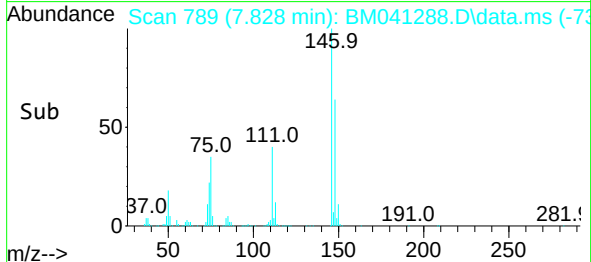
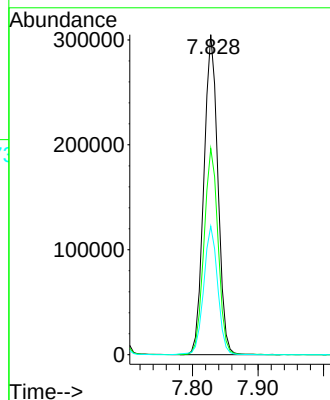
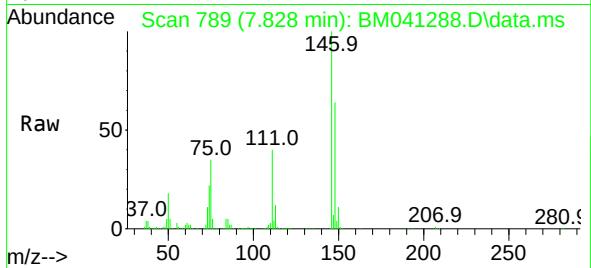
#13
1,4-Dichlorobenzene
Concen: 45.821 ng
RT: 7.828 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD

Tgt Ion:146 Resp: 45393
Ion Ratio Lower Upper
146 100
148 64.5 51.4 77.0
111 40.1 32.4 48.6

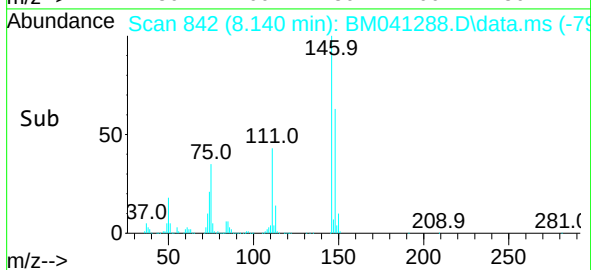
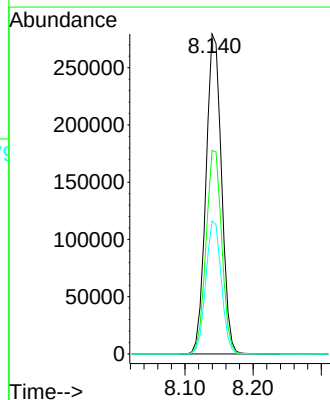
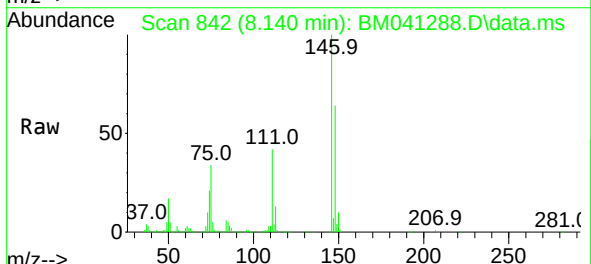
Manual Integrations
APPROVED

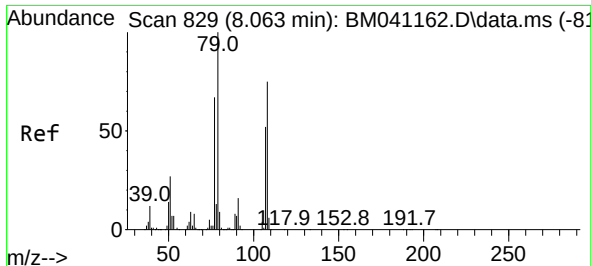
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#14
1,2-Dichlorobenzene
Concen: 46.656 ng
RT: 8.140 min Scan# 842
Delta R.T. -0.006 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

Tgt Ion:146 Resp: 443183
Ion Ratio Lower Upper
146 100
148 63.6 50.9 76.3
111 41.6 33.8 50.6





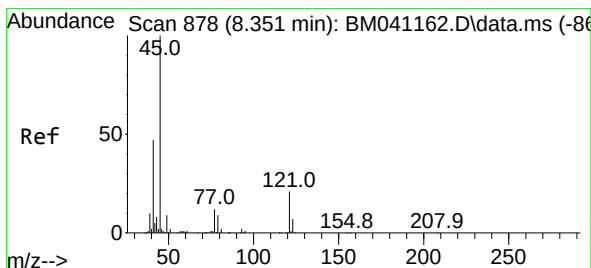
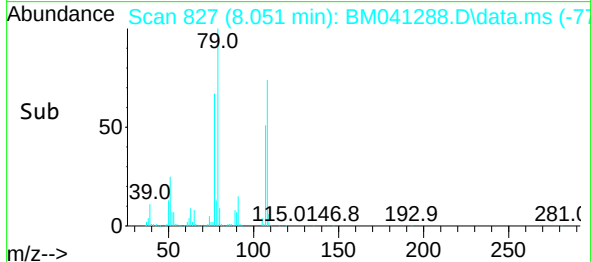
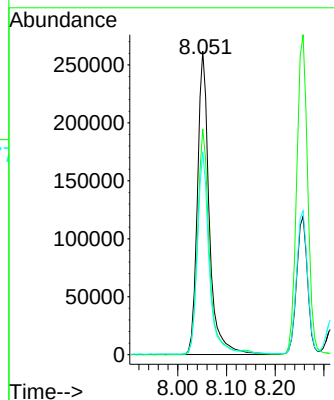
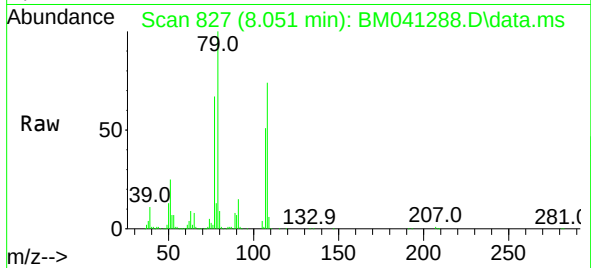
#15
Benzyl Alcohol
Concen: 58.337 ng
RT: 8.051 min Scan# 801
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD

Tgt Ion: 79 Resp: 442929
Ion Ratio Lower Upper
79 100
108 74.3 59.8 89.8
77 66.8 53.8 80.6

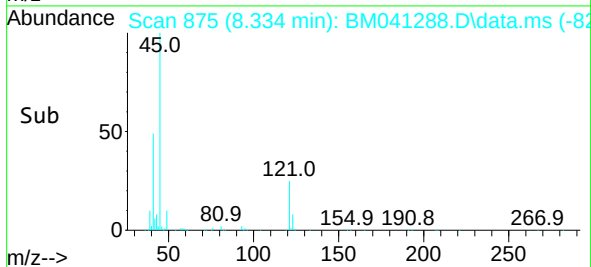
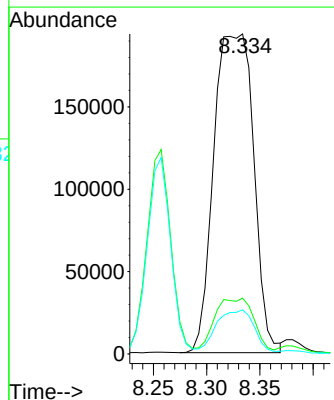
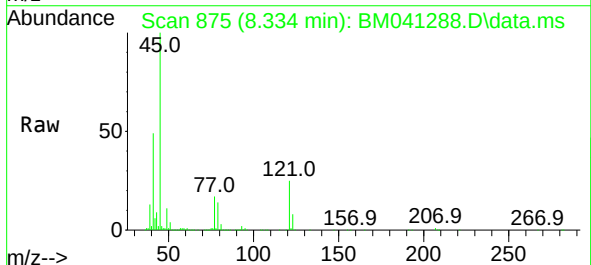
Manual Integrations
APPROVED

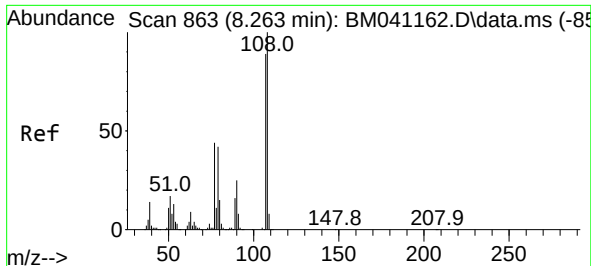
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.159 ng
RT: 8.334 min Scan# 875
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

Tgt Ion: 45 Resp: 502948
Ion Ratio Lower Upper
45 100
77 17.4 0.0 34.5
79 13.8 0.0 32.1





#17

2-Methylphenol

Concen: 48.409 ng

RT: 8.257 min Scan# 80

Delta R.T. -0.000 min

Lab File: BM041288.D

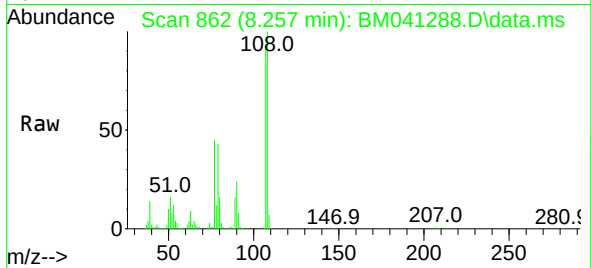
Acq: 04 Aug 2023 11:14

Instrument :

BNA_M

ClientSampleId :

BERGENFIELD-SOIL-COMPMSD



Tgt Ion:107 Resp: 38404

Ion Ratio Lower Upper

107 100

108 110.1 89.9 134.9

77 49.5 39.8 59.8

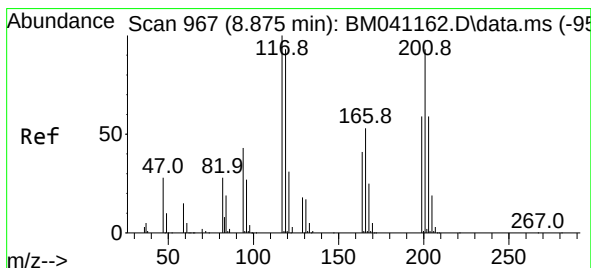
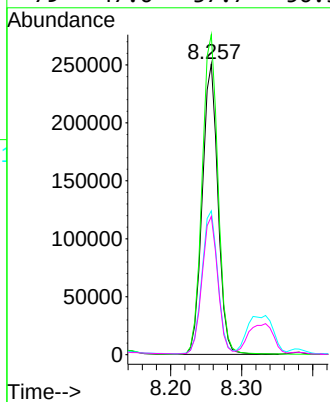
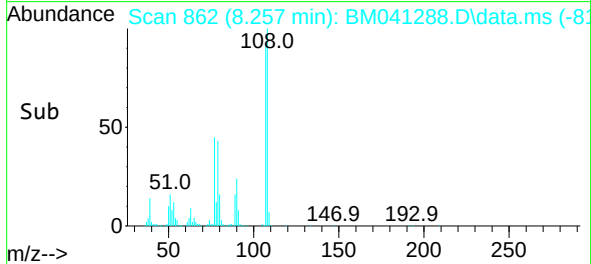
79 47.6 37.7 56.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#18

Hexachloroethane

Concen: 45.774 ng

RT: 8.857 min Scan# 964

Delta R.T. -0.006 min

Lab File: BM041288.D

Acq: 04 Aug 2023 11:14

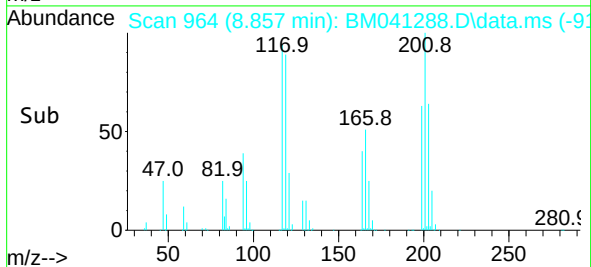
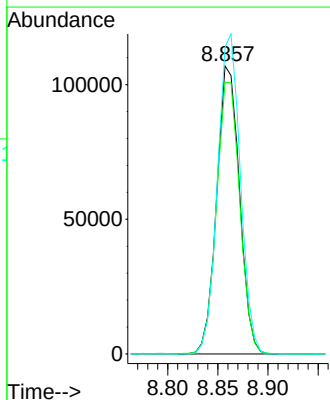
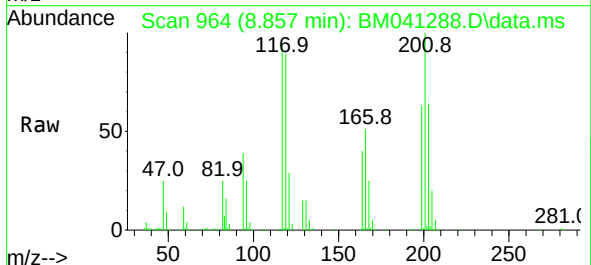
Tgt Ion:117 Resp: 168826

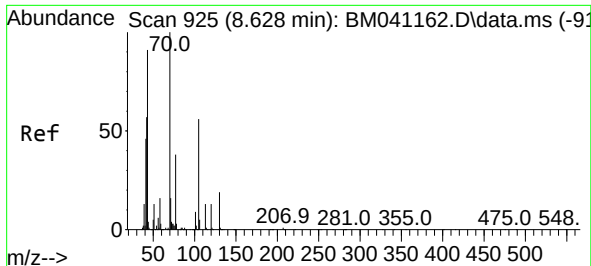
Ion Ratio Lower Upper

117 100

119 94.4 74.2 111.4

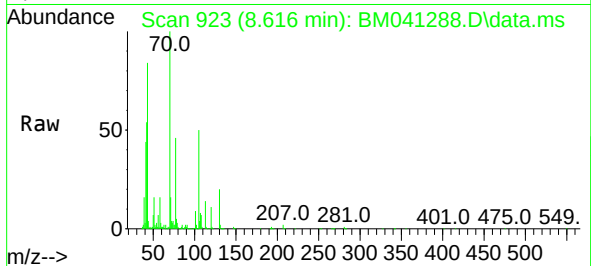
201 106.6 74.5 111.7





#19
n-Nitroso-di-n-propylamine
Concen: 50.482 ng
RT: 8.616 min Scan# 918
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

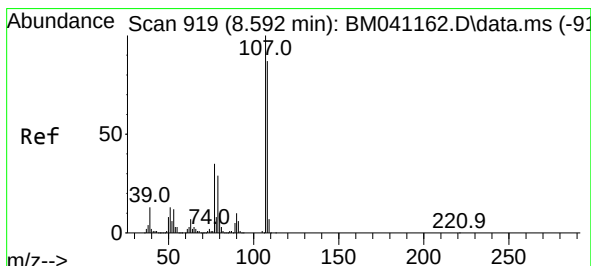
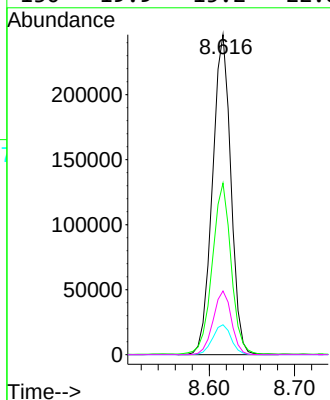
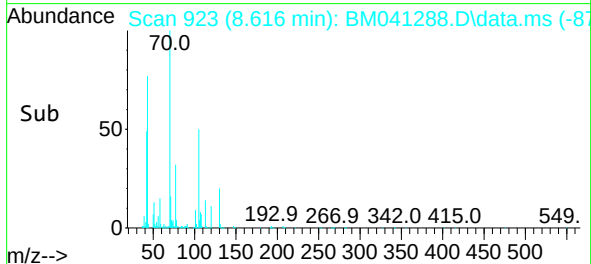
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD



Tgt Ion: 70 Resp: 368649
Ion Ratio Lower Upper
70 100
42 53.6 45.8 68.8
101 9.4 7.4 11.0
130 19.9 15.2 22.8

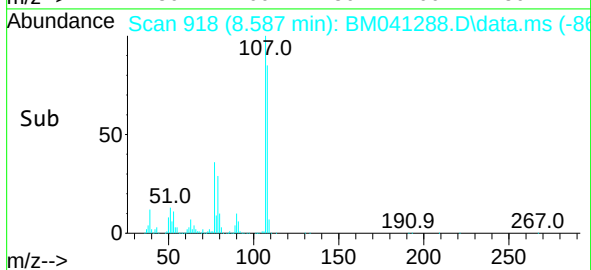
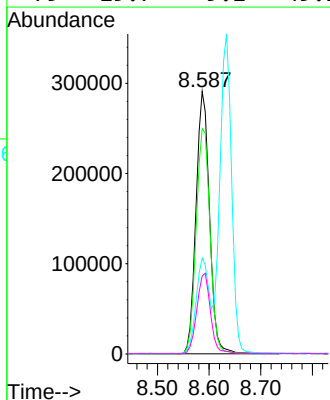
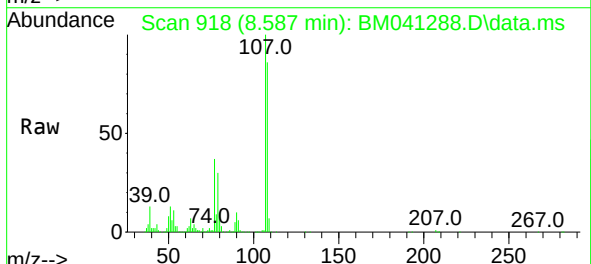
Manual Integrations
APPROVED

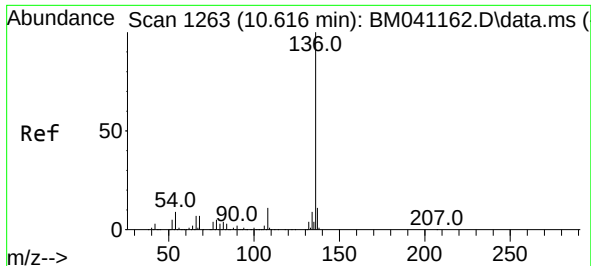
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#20
3+4-Methylphenols
Concen: 49.793 ng
RT: 8.587 min Scan# 918
Delta R.T. -0.006 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

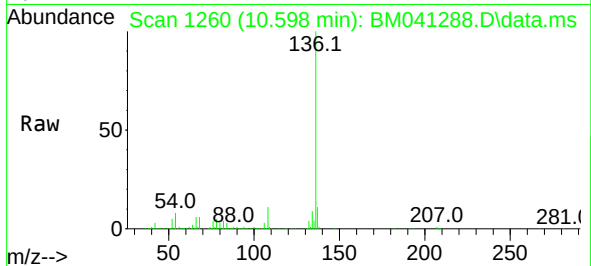
Tgt Ion:107 Resp: 528165
Ion Ratio Lower Upper
107 100
108 85.8 67.2 107.2
77 36.6 15.4 55.4
79 29.7 9.2 49.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.598 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

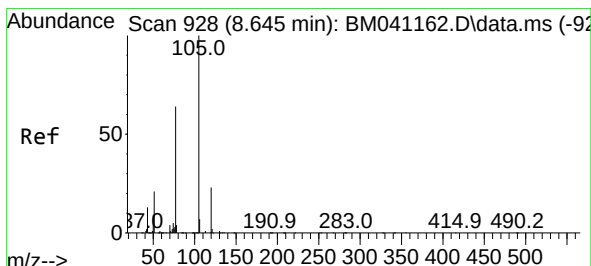
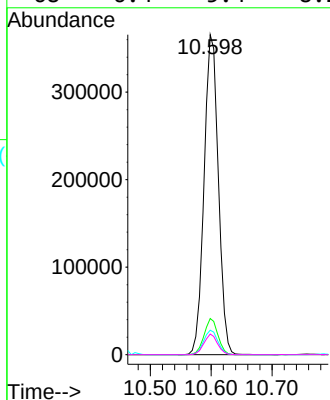
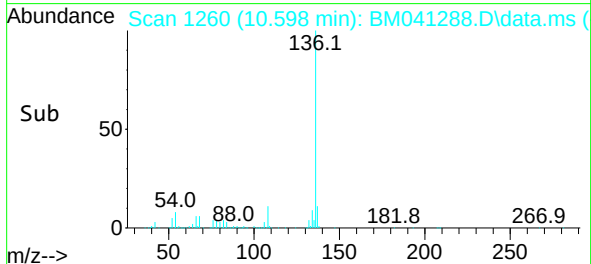
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD



Tgt Ion:136 Resp: 595840
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 7.6 6.9 10.3
68 6.4 5.4 8.2

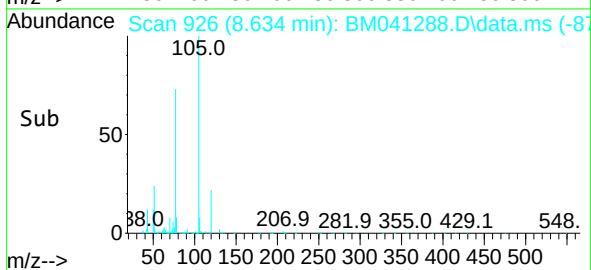
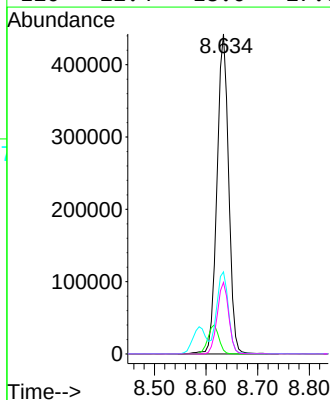
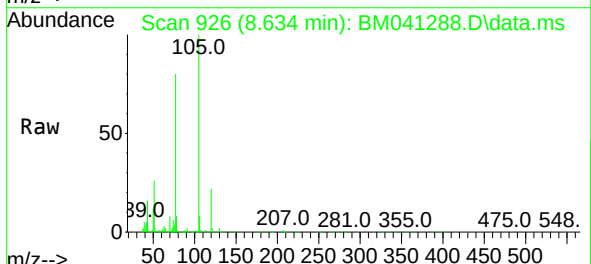
Manual Integrations
APPROVED

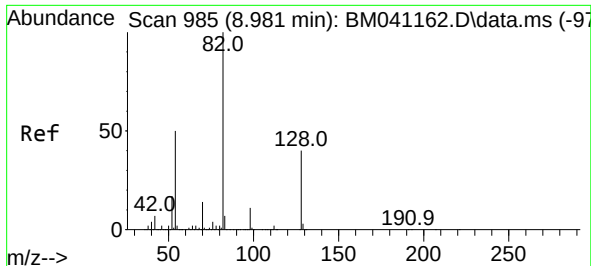
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#22
Acetophenone
Concen: 43.943 ng
RT: 8.634 min Scan# 926
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

Tgt Ion:105 Resp: 693447
Ion Ratio Lower Upper
105 100
71 1.2 1.2 1.8#
51 25.7 22.0 33.0
120 22.4 18.0 27.0





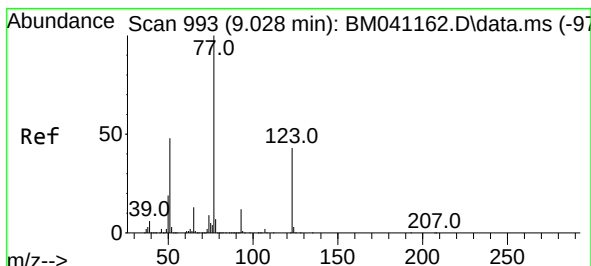
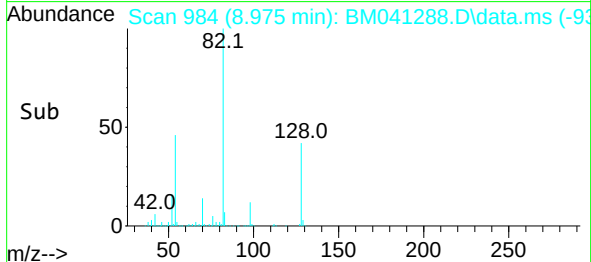
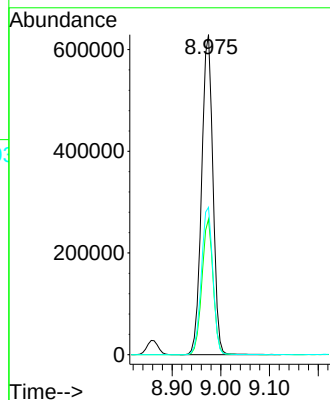
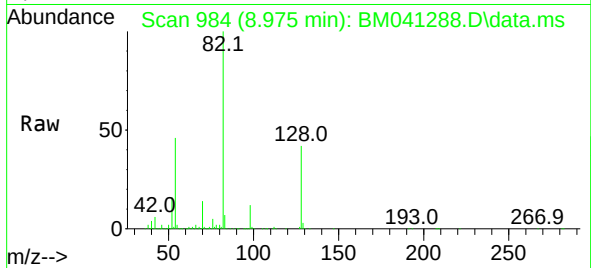
#23
Nitrobenzene-d5
Concen: 79.451 ng
RT: 8.975 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD

Tgt Ion: 82 Resp: 101797
Ion Ratio Lower Upper
82 100
128 42.4 31.8 47.6
54 46.1 40.1 60.1

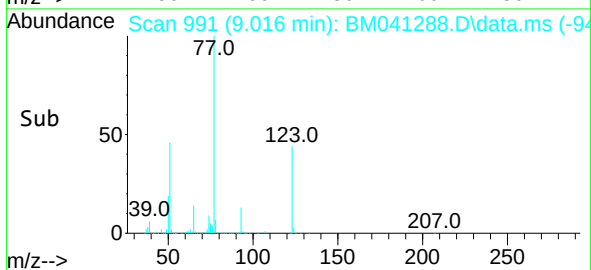
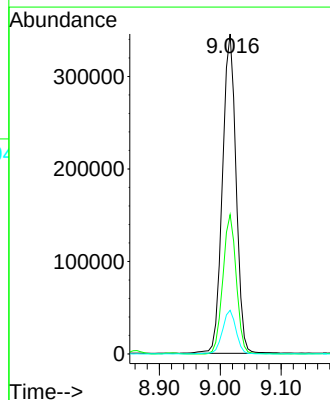
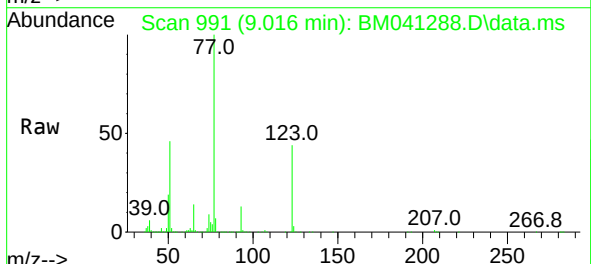
Manual Integrations
APPROVED

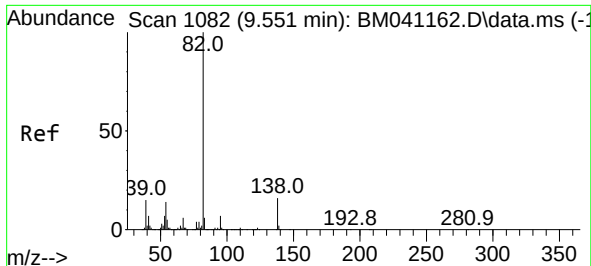
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#24
Nitrobenzene
Concen: 41.472 ng
RT: 9.016 min Scan# 991
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

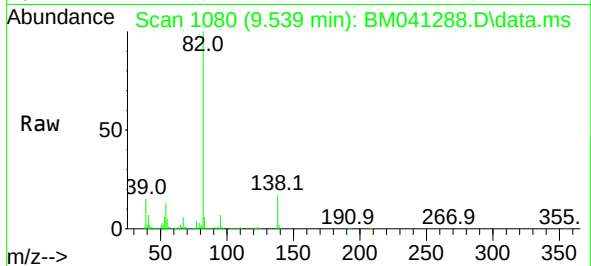
Tgt Ion: 77 Resp: 537362
Ion Ratio Lower Upper
77 100
123 43.6 34.2 51.2
65 13.6 10.7 16.1





#25
Isophorone
Concen: 47.822 ng
RT: 9.539 min Scan# 1080
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

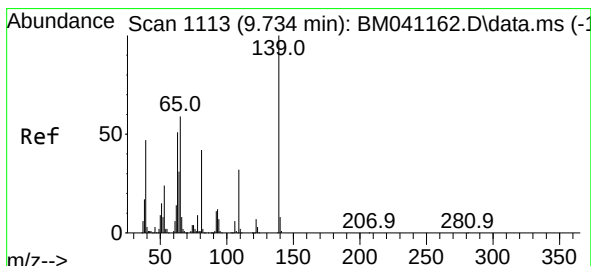
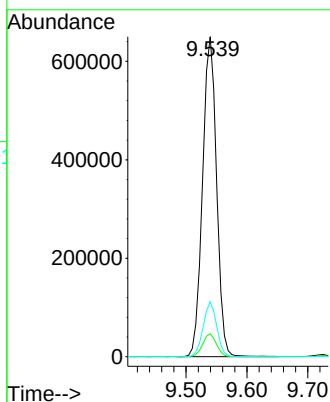
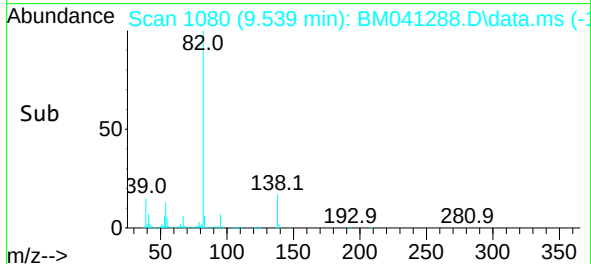
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD



Tgt Ion: 82 Resp: 1040125
Ion Ratio Lower Upper
82 100
95 7.1 5.3 7.9
138 17.2 12.8 19.2

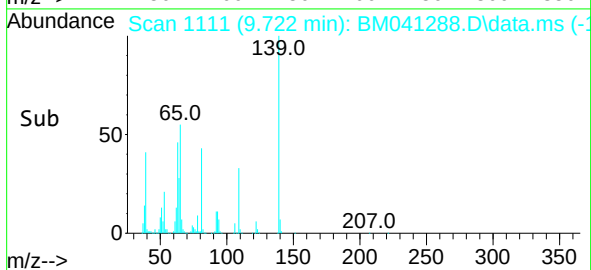
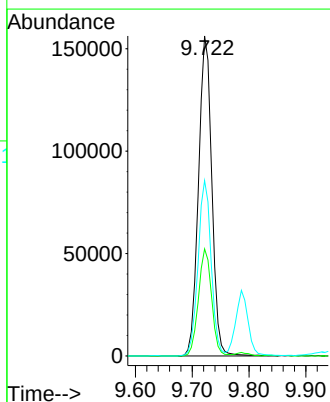
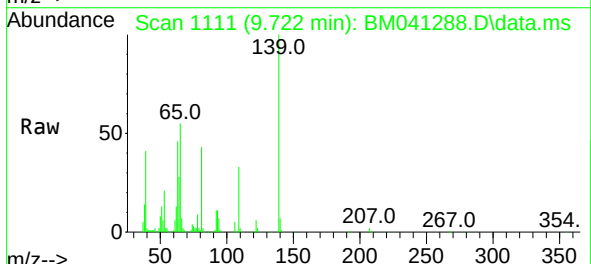
Manual Integrations
APPROVED

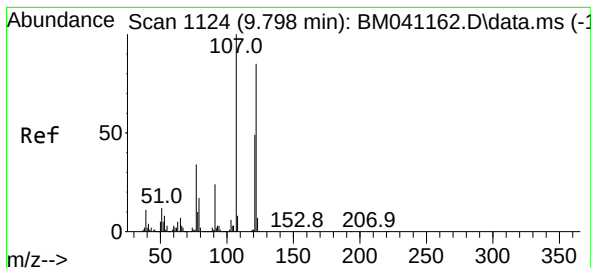
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#26
2-Nitrophenol
Concen: 50.400 ng
RT: 9.722 min Scan# 1111
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

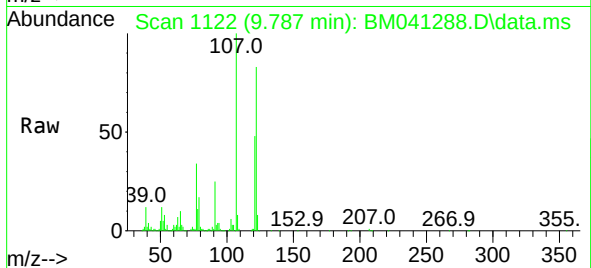
Tgt Ion:139 Resp: 255288
Ion Ratio Lower Upper
139 100
109 33.5 25.4 38.2
65 54.8 47.2 70.8





#27
2,4-Dimethylphenol
Concen: 45.555 ng
RT: 9.787 min Scan# 1124
Delta R.T. -0.006 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

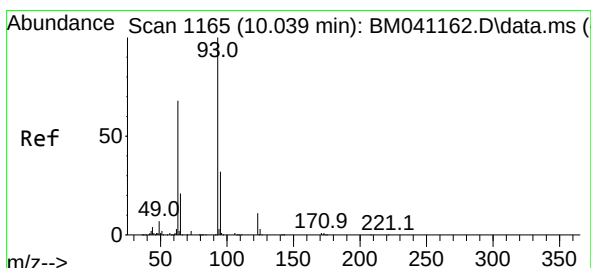
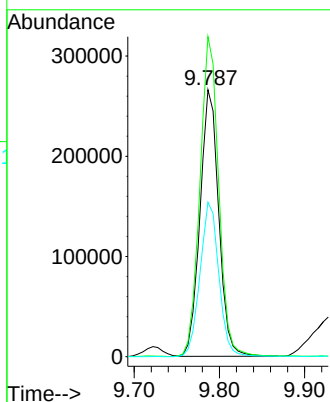
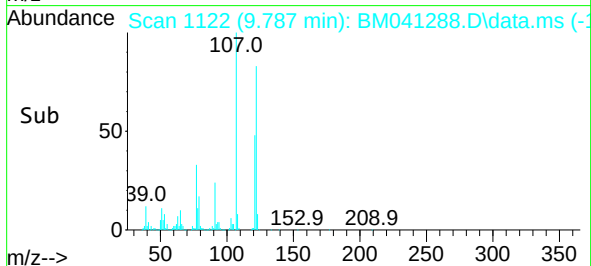
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD



Tgt Ion:122 Resp: 406030
Ion Ratio Lower Upper
122 100
107 119.9 94.3 141.5
121 57.8 45.8 68.8

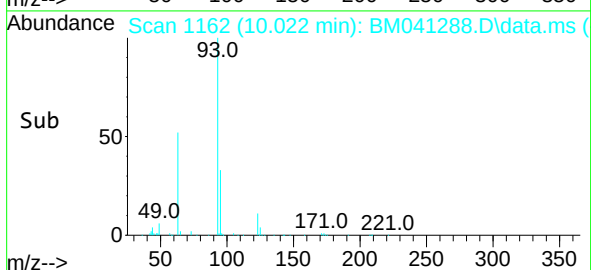
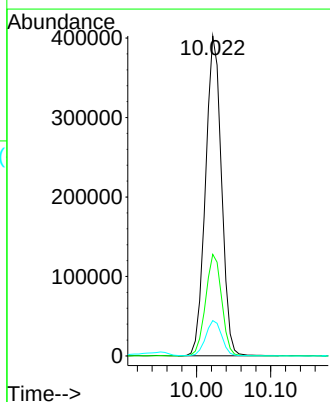
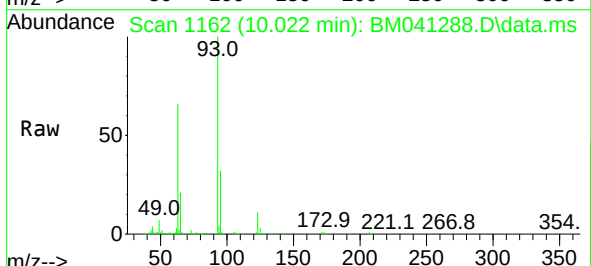
Manual Integrations
APPROVED

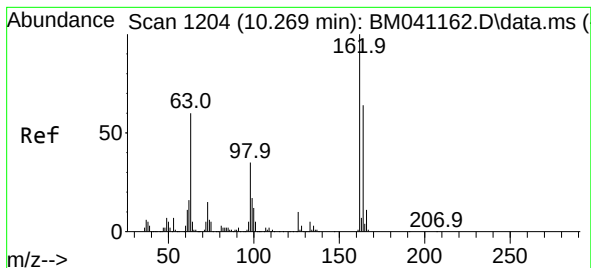
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#28
bis(2-Chloroethoxy)methane
Concen: 44.231 ng
RT: 10.022 min Scan# 1162
Delta R.T. -0.006 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

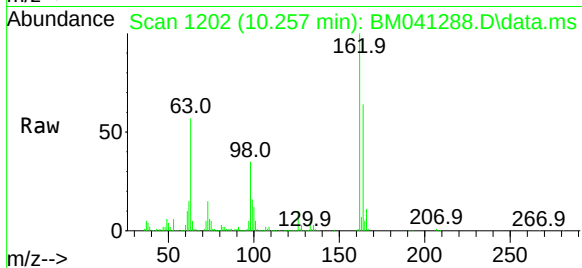
Tgt Ion: 93 Resp: 602601
Ion Ratio Lower Upper
93 100
95 31.7 25.9 38.9
123 11.1 9.1 13.7





#29
2,4-Dichlorophenol
Concen: 52.953 ng
RT: 10.257 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

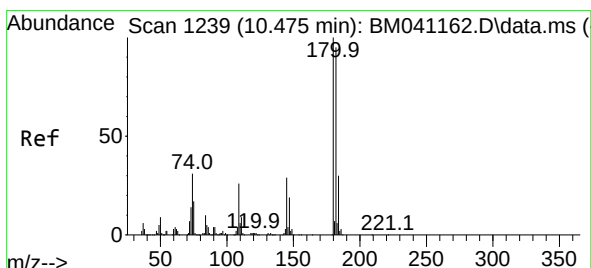
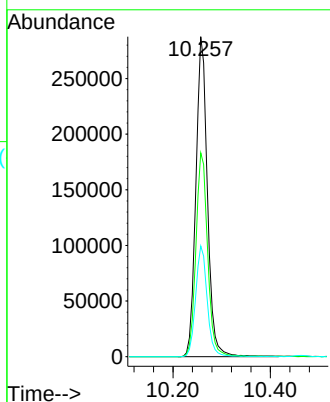
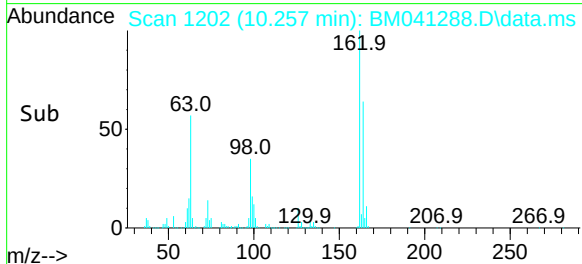
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD



Tgt Ion:162 Resp: 47597
Ion Ratio Lower Upper
162 100
164 63.7 44.3 84.3
98 34.6 15.1 55.1

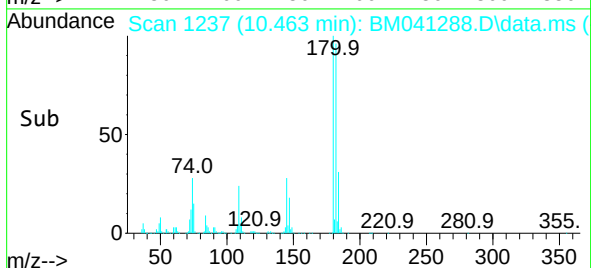
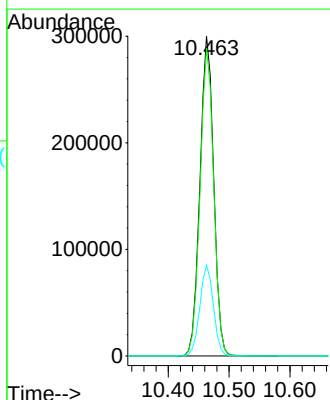
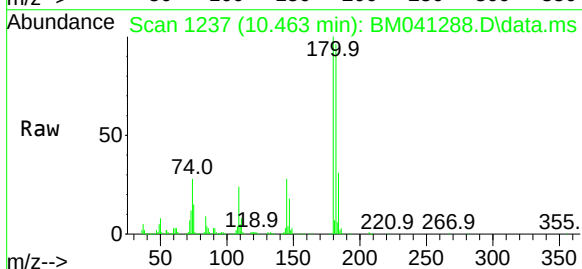
Manual Integrations
APPROVED

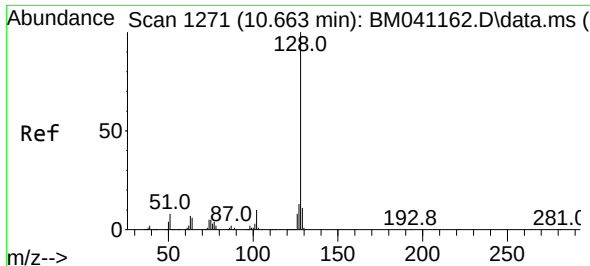
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#30
1,2,4-Trichlorobenzene
Concen: 47.371 ng
RT: 10.463 min Scan# 1237
Delta R.T. -0.006 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

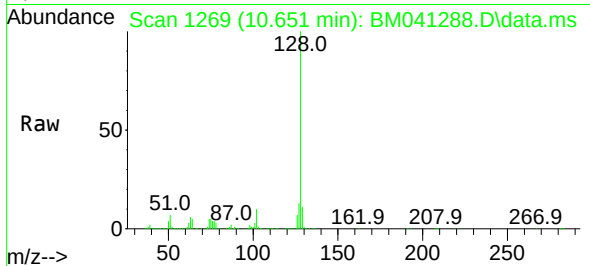
Tgt Ion:180 Resp: 470430
Ion Ratio Lower Upper
180 100
182 96.1 75.9 113.9
145 28.3 23.6 35.4





#31
Naphthalene
Concen: 42.023 ng
RT: 10.651 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

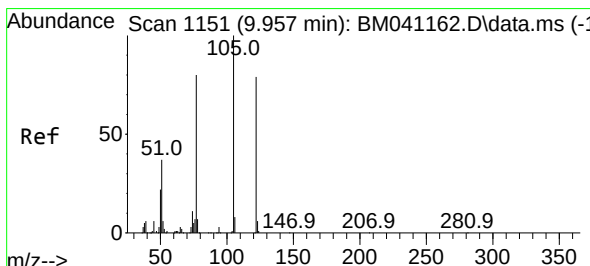
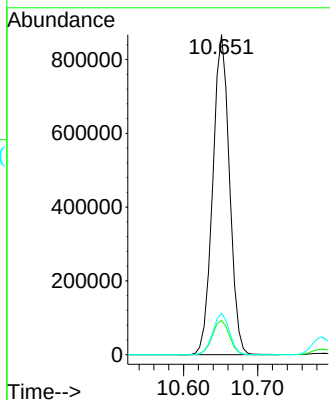
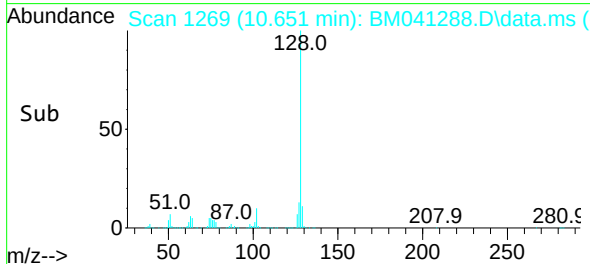
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD



Tgt Ion:128 Resp: 135878
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.4
127 12.9 10.5 15.7

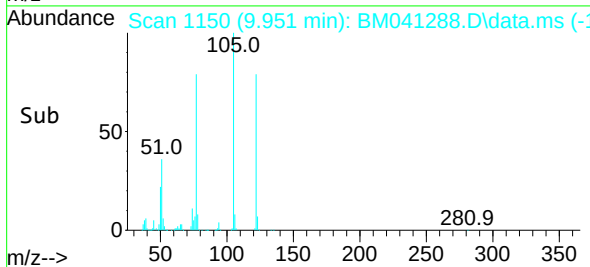
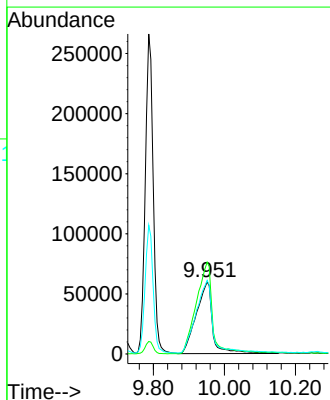
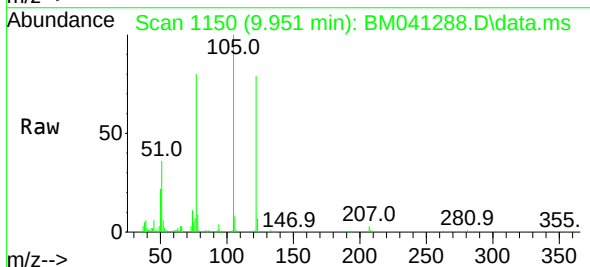
Manual Integrations
APPROVED

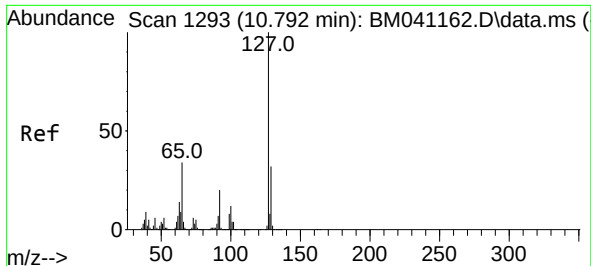
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#32
Benzoic acid
Concen: 31.455 ng
RT: 9.951 min Scan# 1150
Delta R.T. -0.006 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

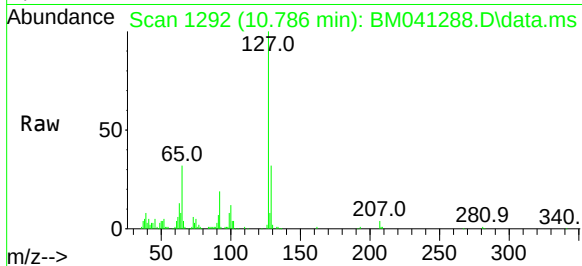
Tgt Ion:122 Resp: 191166
Ion Ratio Lower Upper
122 100
105 127.3 104.0 144.0
77 102.2 79.9 119.9





#33
4-Chloroaniline
Concen: 8.377 ng
RT: 10.786 min Scan# 1292
Delta R.T. 0.006 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

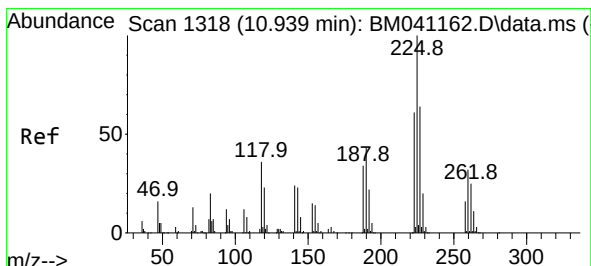
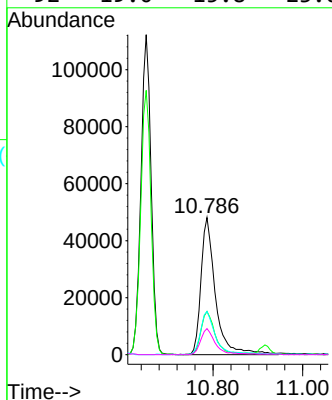
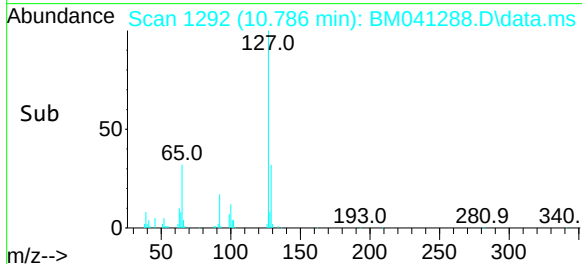
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD



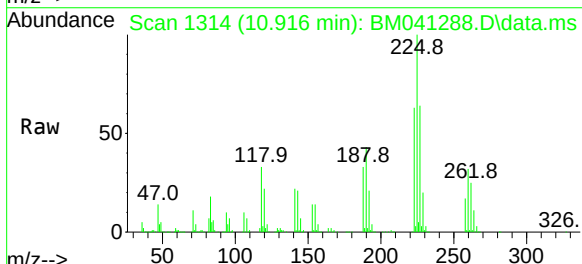
Tgt Ion:127 Resp: 108244
Ion Ratio Lower Upper
127 100
129 31.5 25.9 38.9
65 31.6 26.9 40.3
92 19.0 15.8 23.6

Manual Integrations
APPROVED

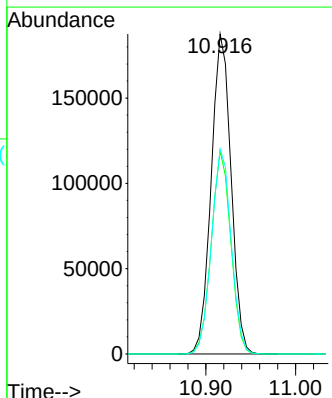
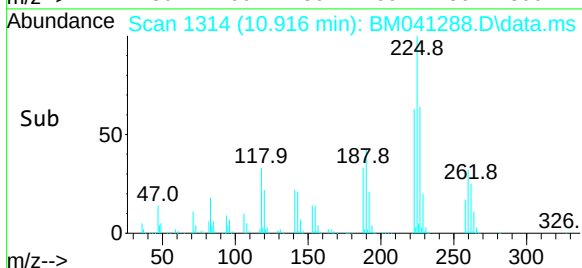
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

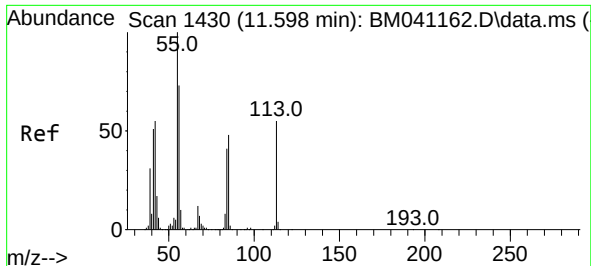


#34
Hexachlorobutadiene
Concen: 48.182 ng
RT: 10.916 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14



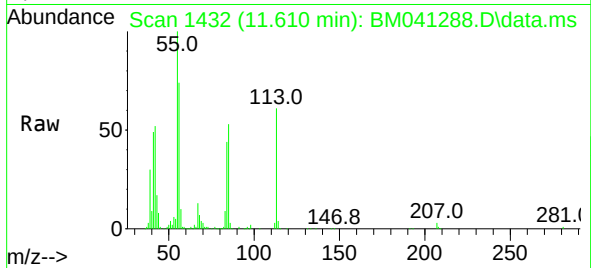
Tgt Ion:225 Resp: 287781
Ion Ratio Lower Upper
225 100
223 63.4 49.0 73.4
227 64.0 50.8 76.2





#35
Caprolactam
Concen: 51.547 ng m
RT: 11.610 min Scan# 1432
Delta R.T. 0.012 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

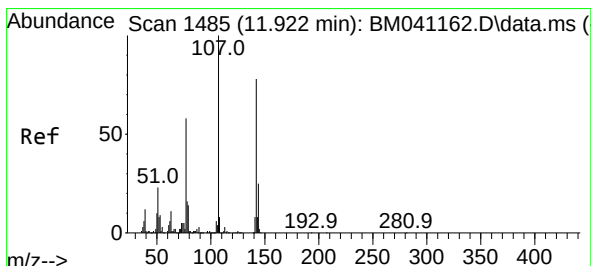
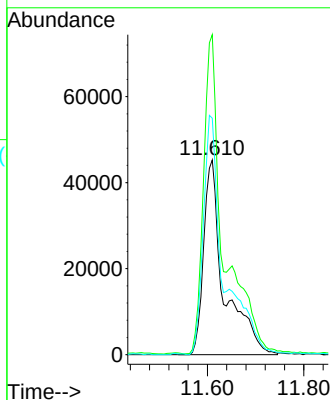
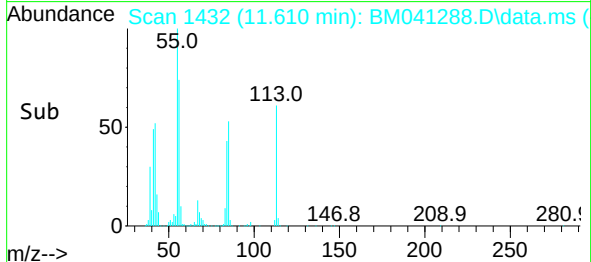
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD



Tgt Ion:113 Resp: 134032
Ion Ratio Lower Upper
113 100
55 164.3 162.5 202.5
56 121.4 114.1 154.1

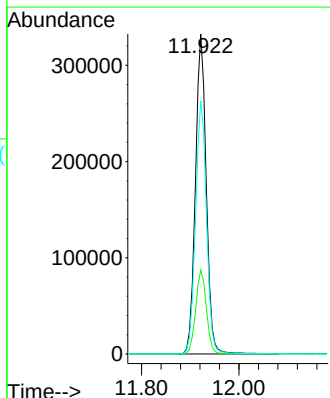
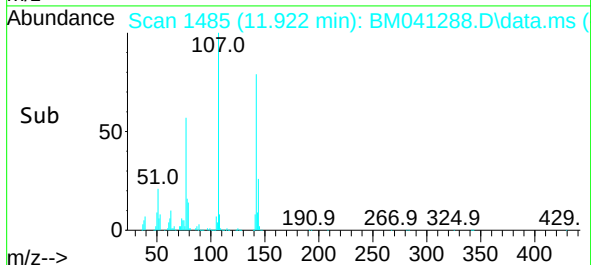
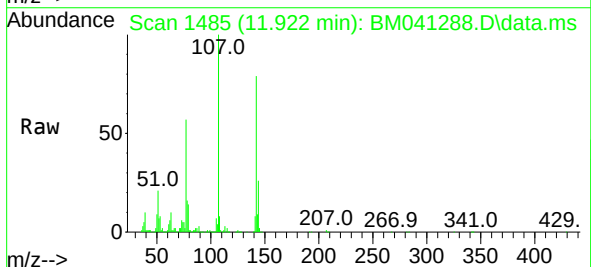
Manual Integrations
APPROVED

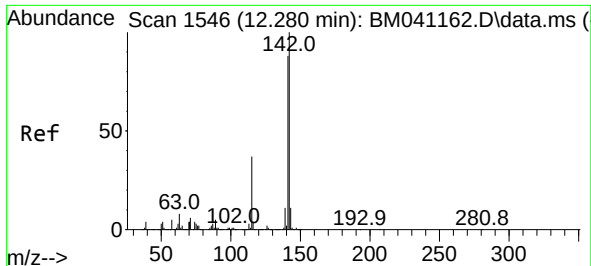
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#36
4-Chloro-3-methylphenol
Concen: 54.521 ng
RT: 11.922 min Scan# 1485
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

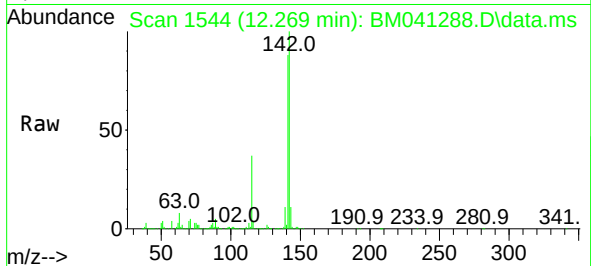
Tgt Ion:107 Resp: 515797
Ion Ratio Lower Upper
107 100
144 26.3 20.1 30.1
142 79.1 62.2 93.4





#37
2-Methylnaphthalene
Concen: 45.024 ng
RT: 12.269 min Scan# 1544
Delta R.T. -0.006 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

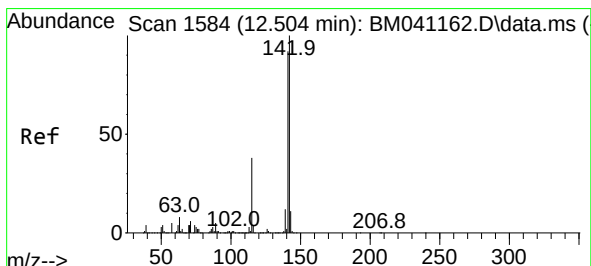
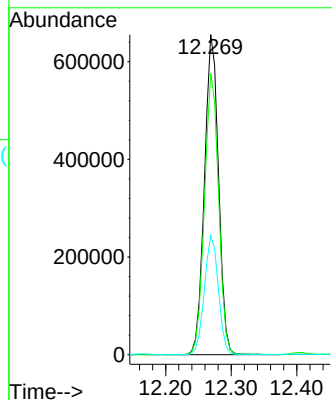
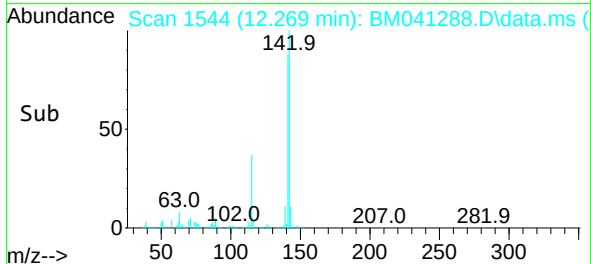
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD



Tgt Ion:142 Resp: 981474
Ion Ratio Lower Upper
142 100
141 87.8 70.7 106.1
115 37.3 29.3 43.9

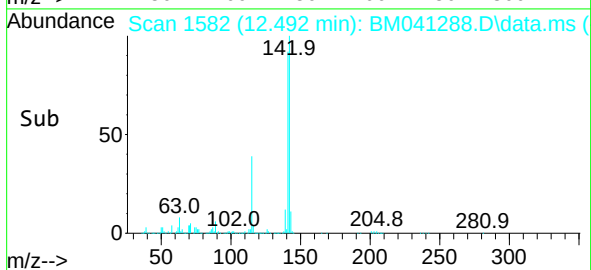
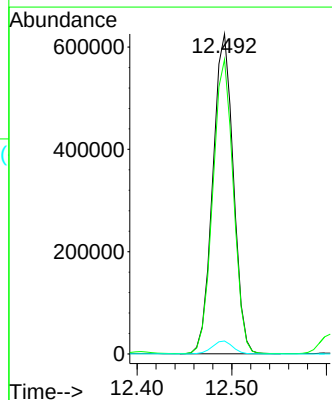
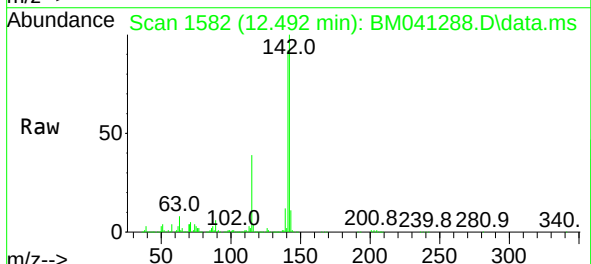
Manual Integrations
APPROVED

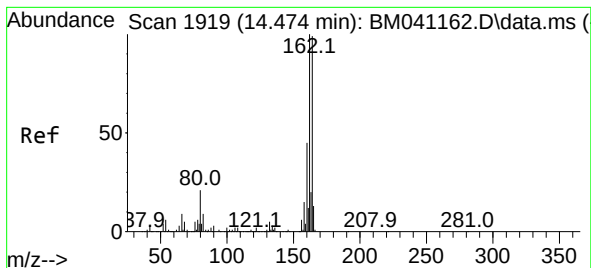
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#38
1-Methylnaphthalene
Concen: 46.271 ng
RT: 12.492 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

Tgt Ion:142 Resp: 944053
Ion Ratio Lower Upper
142 100
141 92.1 73.4 110.2
116 4.1 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.463 min Scan# 1917

Delta R.T. -0.000 min

Lab File: BM041288.D

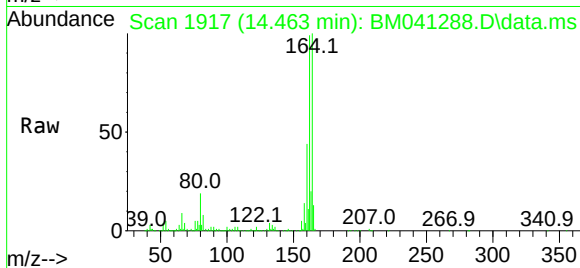
Acq: 04 Aug 2023 11:14

Instrument :

BNA_M

ClientSampleId :

BERGENFIELD-SOIL-COMPMSD



Tgt Ion:164 Resp: 39830

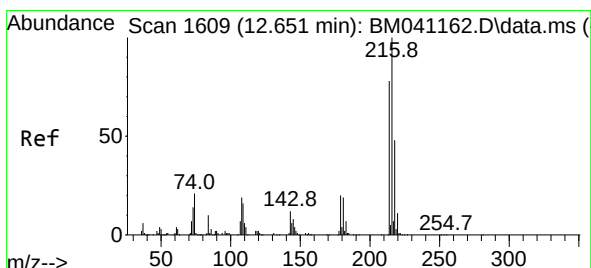
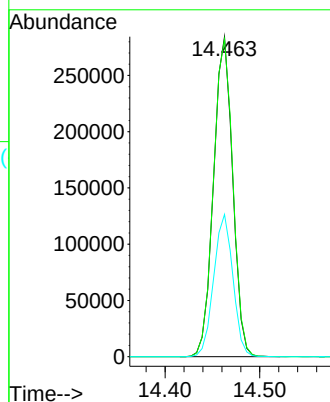
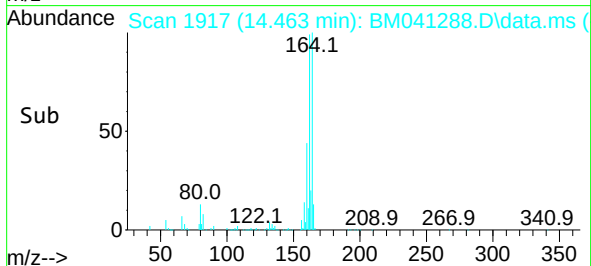
Ion	Ratio	Lower	Upper
164	100		
162	99.3	80.4	120.6
160	44.4	36.2	54.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.792 ng

RT: 12.639 min Scan# 1607

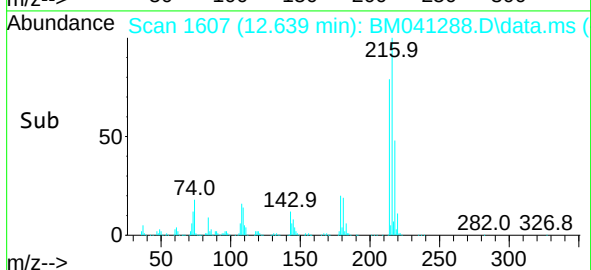
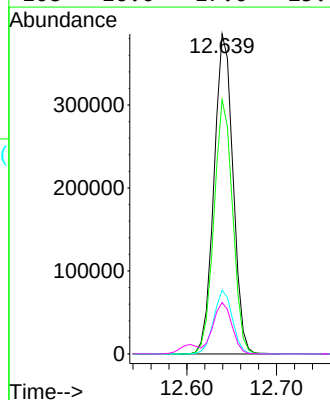
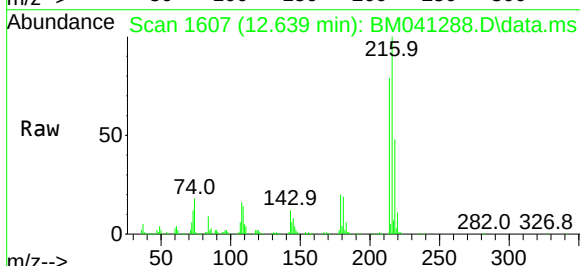
Delta R.T. -0.006 min

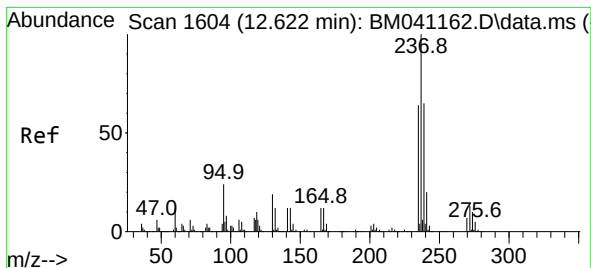
Lab File: BM041288.D

Acq: 04 Aug 2023 11:14

Tgt Ion:216 Resp: 566386

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.2	94.8
179	19.7	16.2	24.2
108	16.0	17.0	25.4





#41

Hexachlorocyclopentadiene

Concen: 71.741 ng

RT: 12.604 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM041288.D

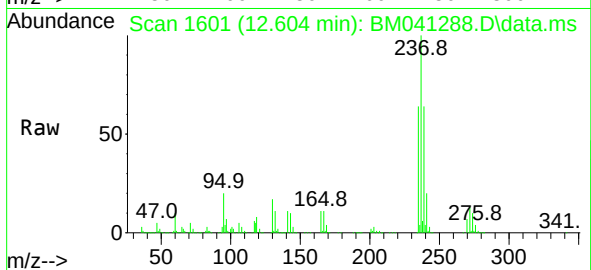
Acq: 04 Aug 2023 11:14

Instrument :

BNA_M

ClientSampleId :

BERGENFIELD-SOIL-COMPMSD



Tgt Ion:237 Resp: 490879

Ion Ratio Lower Upper

237 100

235 63.7 43.6 83.6

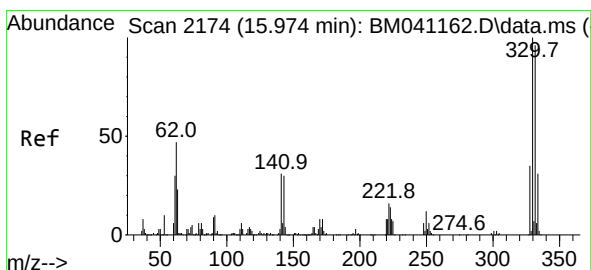
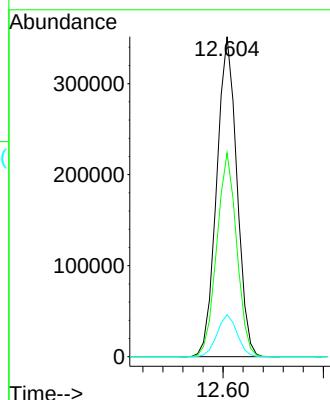
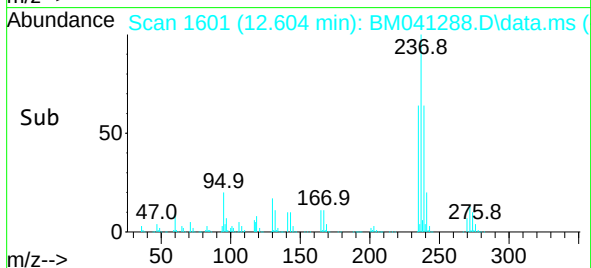
272 13.2 0.0 33.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#42

2,4,6-Tribromophenol

Concen: 149.455 ng

RT: 15.968 min Scan# 2173

Delta R.T. -0.000 min

Lab File: BM041288.D

Acq: 04 Aug 2023 11:14

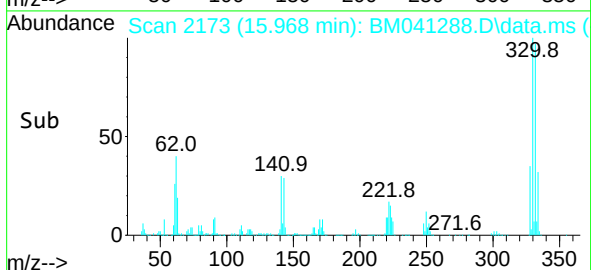
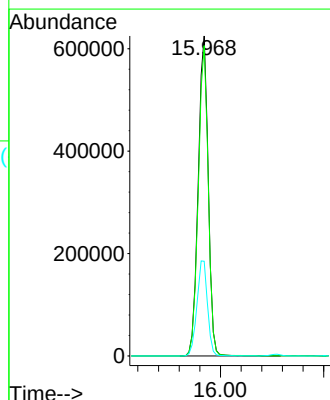
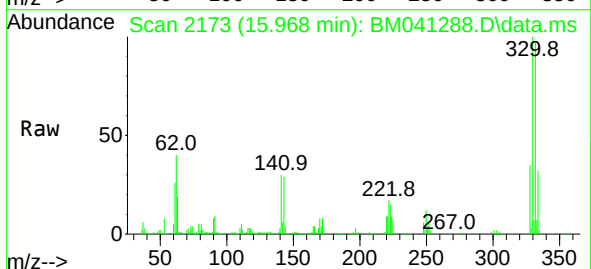
Tgt Ion:330 Resp: 842000

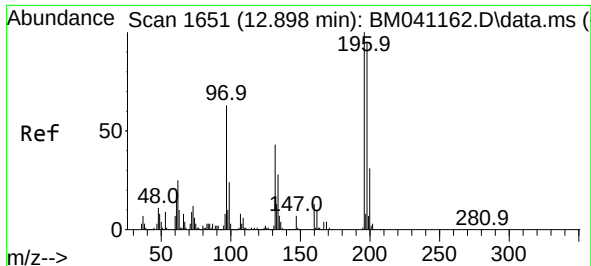
Ion Ratio Lower Upper

330 100

332 96.1 77.7 116.5

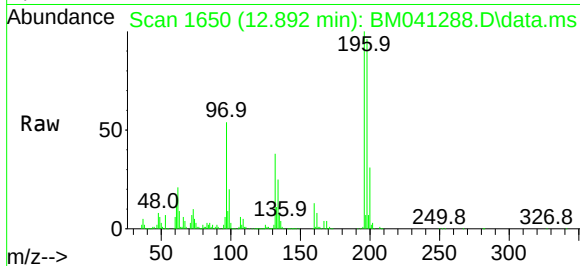
141 31.3 28.3 42.5





#43
2,4,6-Trichlorophenol
Concen: 50.304 ng
RT: 12.892 min Scan# 1650
Delta R.T. -0.006 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

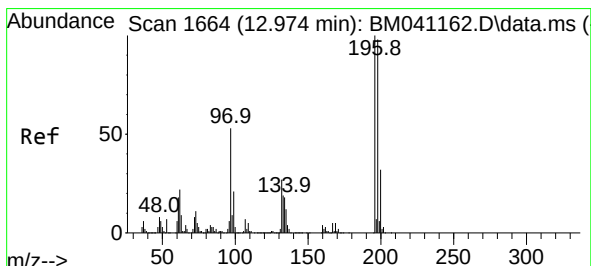
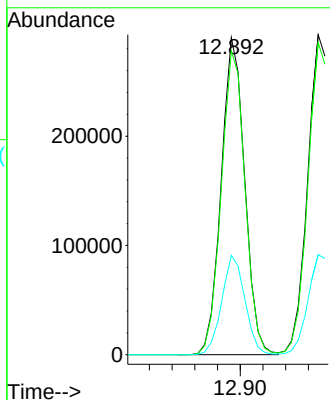
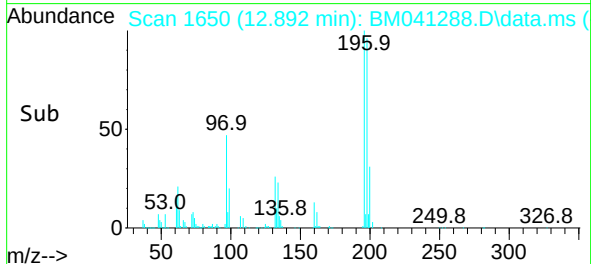
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD



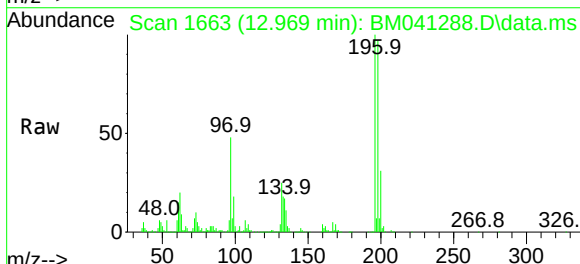
Tgt Ion:196 Resp: 41699
Ion Ratio Lower Upper
196 100
198 95.7 76.2 114.4
200 31.3 24.6 36.8

Manual Integrations
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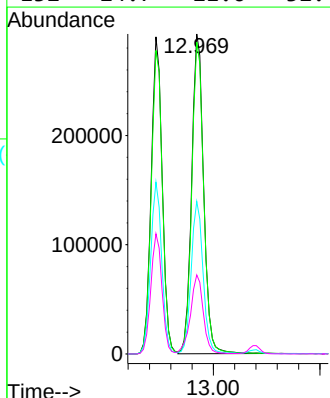
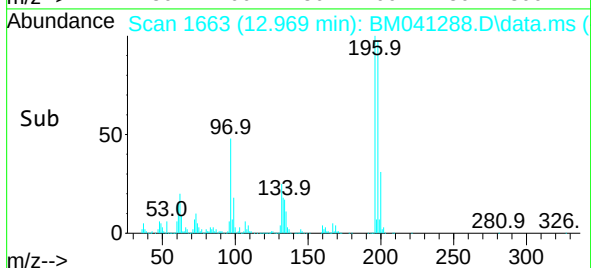
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

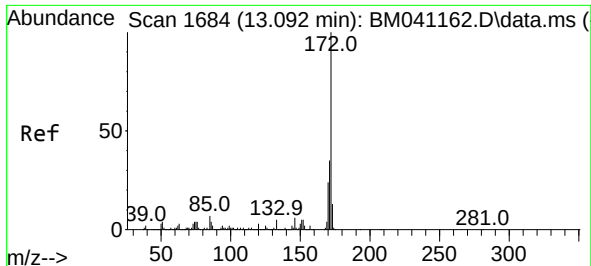


#44
2,4,5-Trichlorophenol
Concen: 47.777 ng
RT: 12.969 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14



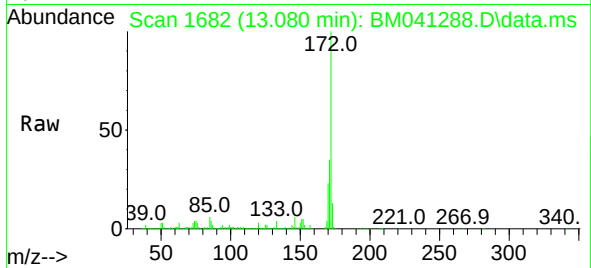
Tgt Ion:196 Resp: 458399
Ion Ratio Lower Upper
196 100
198 97.5 78.2 117.4
97 47.7 42.7 64.1
132 24.7 21.6 32.4





#45
2-Fluorobiphenyl
Concen: 77.561 ng
RT: 13.080 min Scan# 1718
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

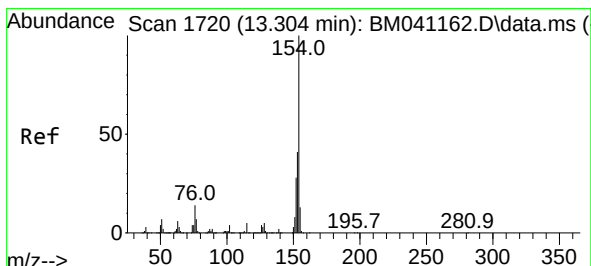
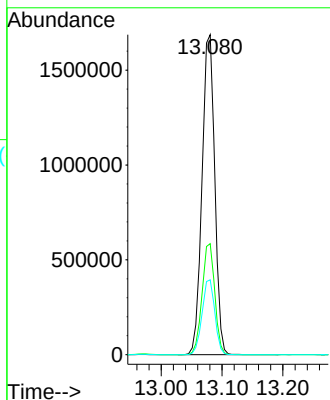
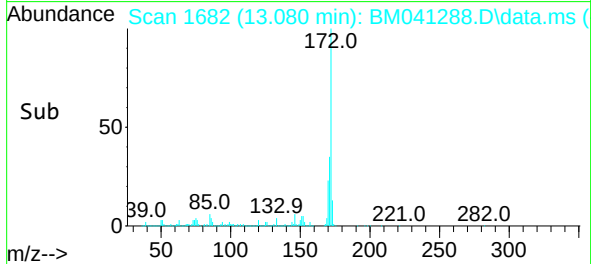
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD



Tgt Ion:172 Resp: 2445500
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.4 18.9 28.3

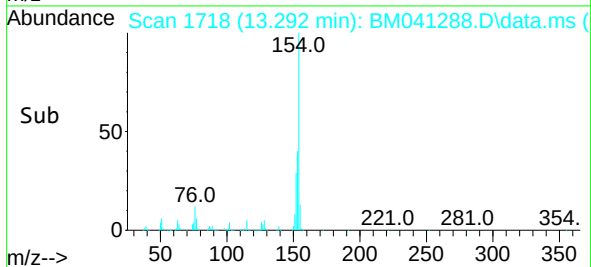
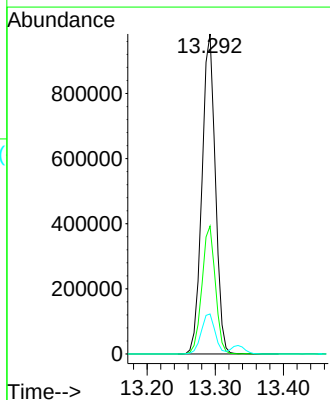
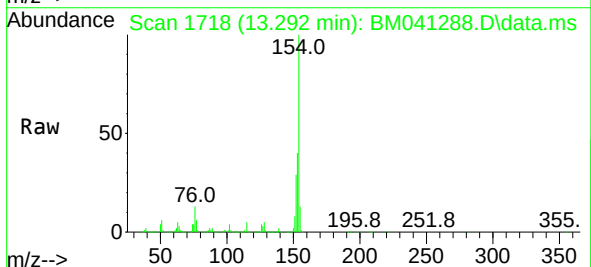
Manual Integrations
APPROVED

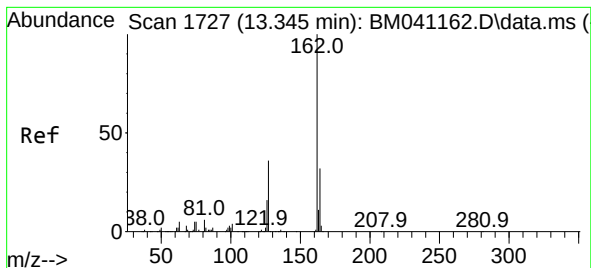
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#46
1,1'-Biphenyl
Concen: 41.658 ng
RT: 13.292 min Scan# 1718
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

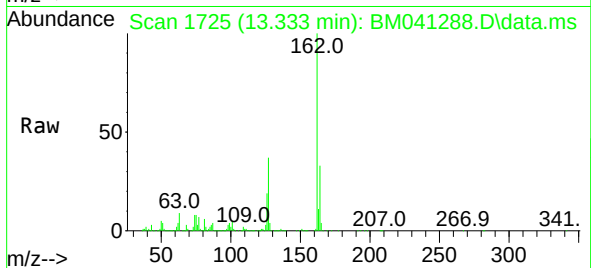
Tgt Ion:154 Resp: 1345157
Ion Ratio Lower Upper
154 100
153 39.9 20.5 60.5
76 12.5 0.0 34.1





#47
2-Chloronaphthalene
Concen: 44.088 ng
RT: 13.333 min Scan# 1725
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

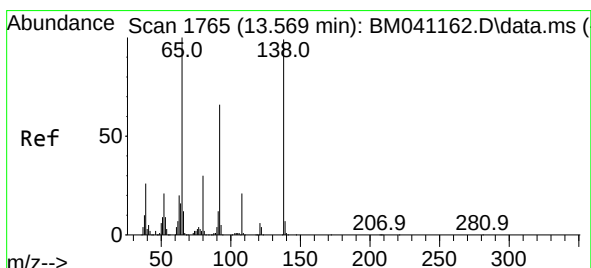
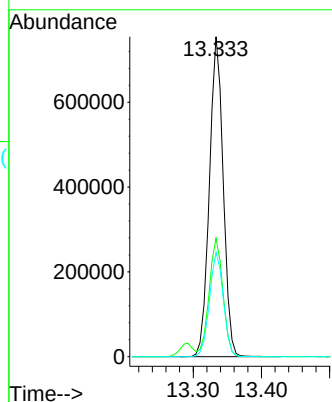
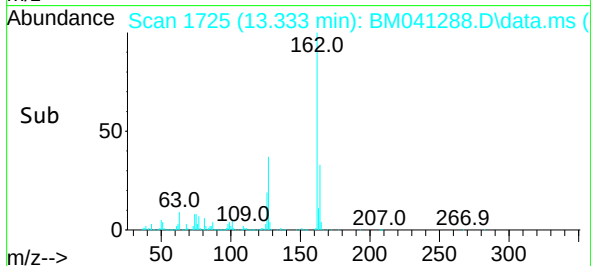
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD



Tgt Ion:162 Resp: 106296
Ion Ratio Lower Upper
162 100
127 37.0 30.6 45.8
164 32.6 25.6 38.4

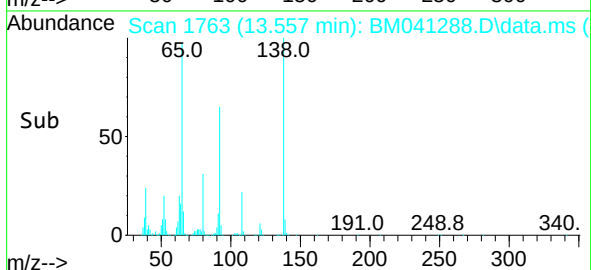
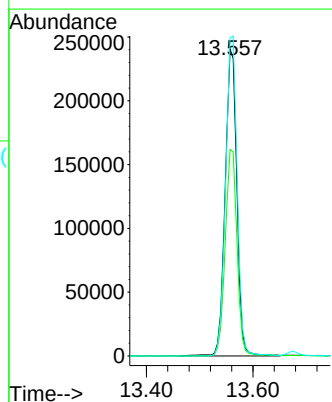
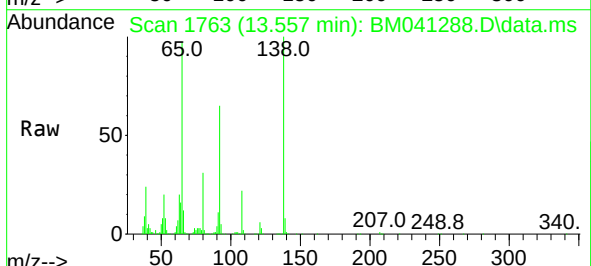
Manual Integrations
APPROVED

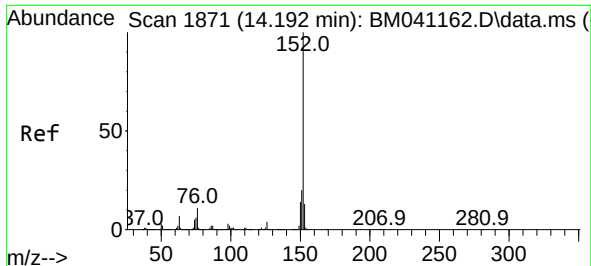
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#48
2-Nitroaniline
Concen: 47.809 ng
RT: 13.557 min Scan# 1763
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

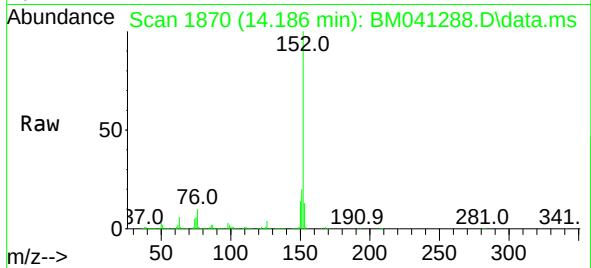
Tgt Ion: 65 Resp: 367938
Ion Ratio Lower Upper
65 100
92 67.2 53.0 79.4
138 103.6 79.1 118.7





#49
Acenaphthylene
Concen: 44.854 ng
RT: 14.186 min Scan# 1870
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

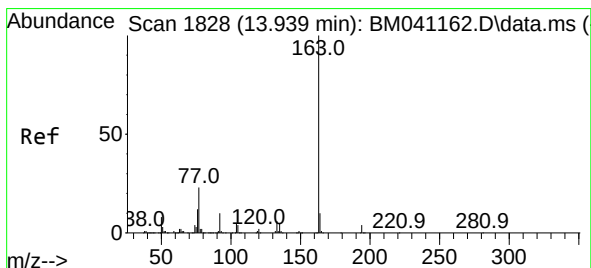
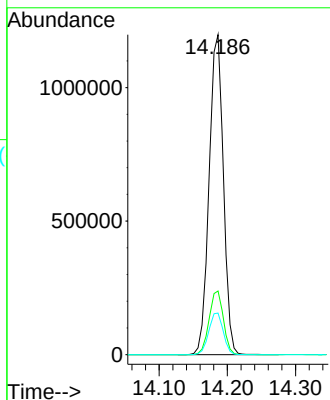
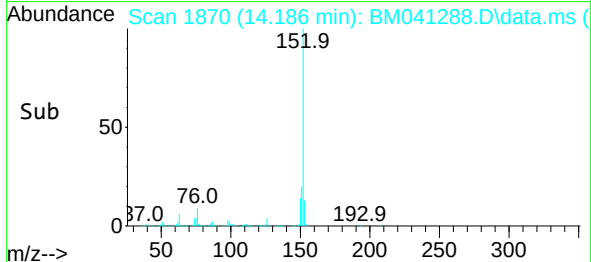
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD



Tgt Ion:152 Resp: 1745534
Ion Ratio Lower Upper
152 100
151 19.9 16.1 24.1
153 13.0 10.5 15.7

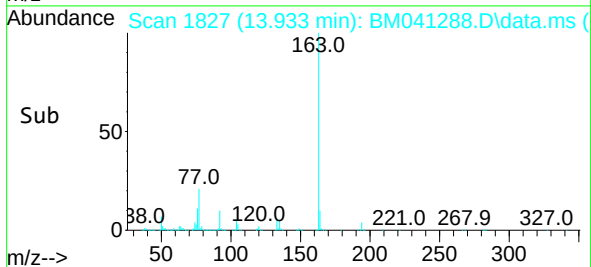
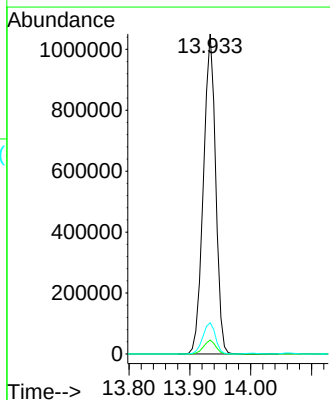
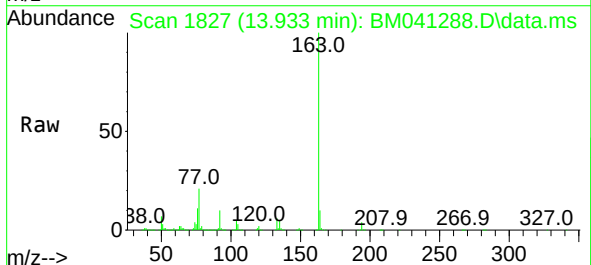
Manual Integrations
APPROVED

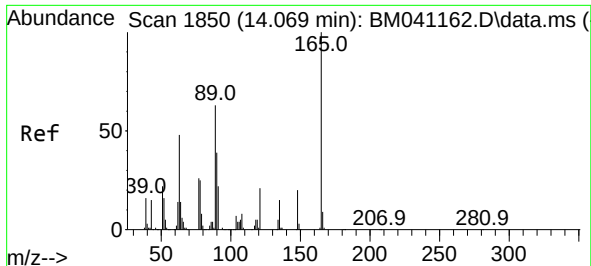
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#50
Dimethylphthalate
Concen: 48.989 ng
RT: 13.933 min Scan# 1827
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

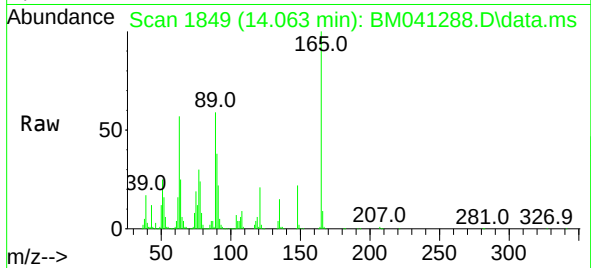
Tgt Ion:163 Resp: 1467779
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 9.8 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 50.941 ng
RT: 14.063 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

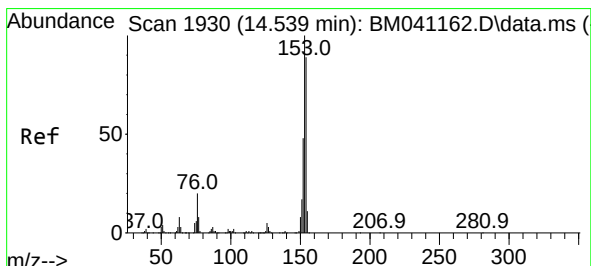
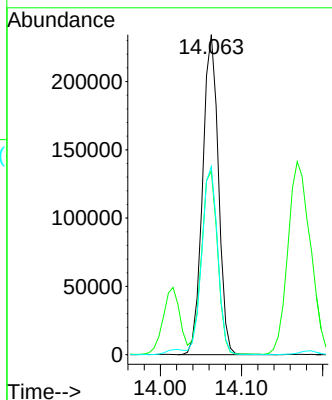
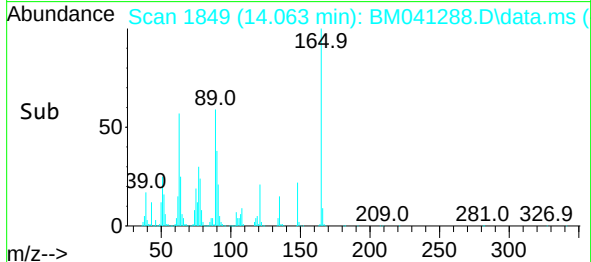
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD



Tgt Ion:165 Resp: 316239
Ion Ratio Lower Upper
165 100
63 57.4 50.9 76.3
89 58.8 50.6 76.0

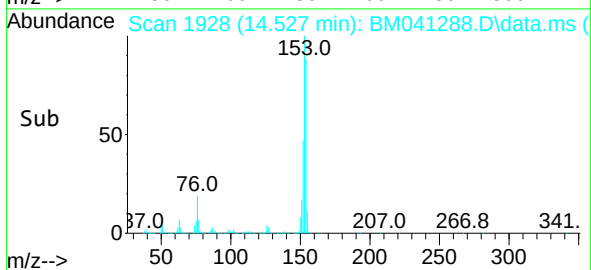
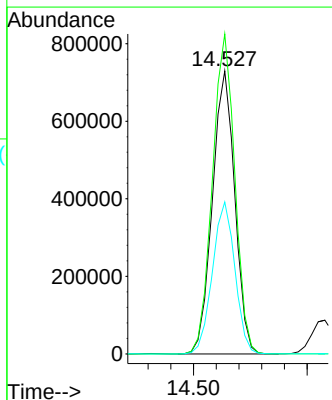
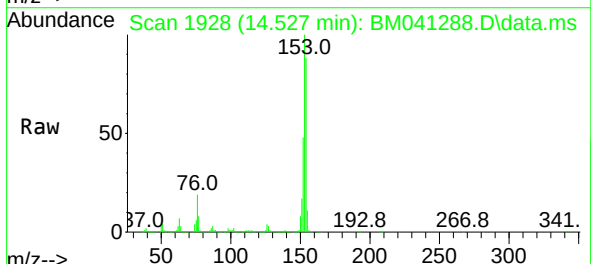
Manual Integrations
APPROVED

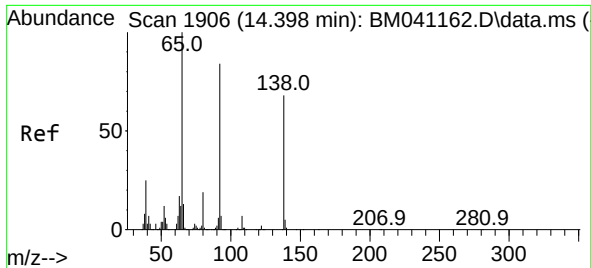
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#52
Acenaphthene
Concen: 42.640 ng
RT: 14.527 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

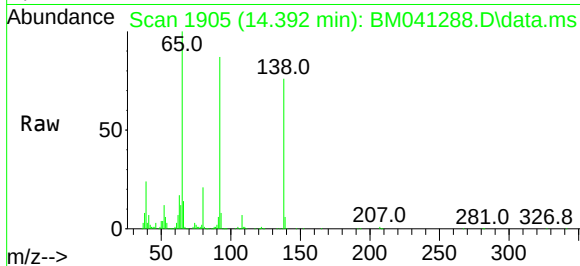
Tgt Ion:154 Resp: 999647
Ion Ratio Lower Upper
154 100
153 113.1 90.2 135.4
152 53.7 43.4 65.0





#53
3-Nitroaniline
Concen: 31.278 ng
RT: 14.392 min Scan# 1905
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

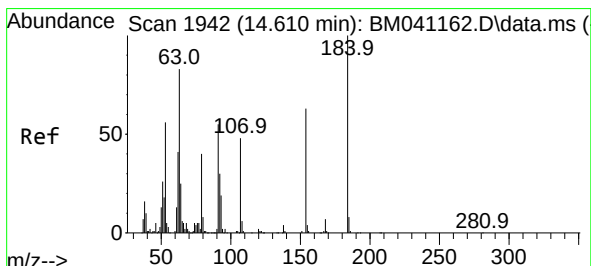
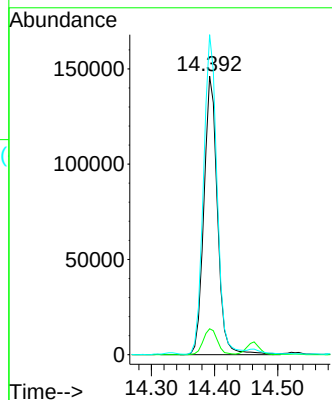
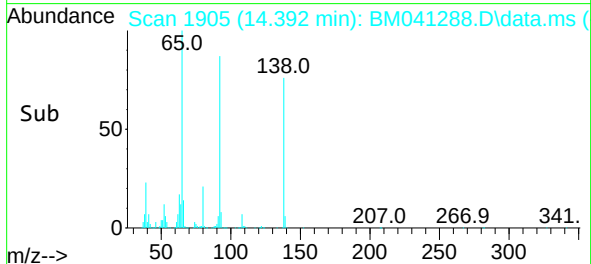
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD



Tgt Ion:138 Resp: 217870
Ion Ratio Lower Upper
138 100
108 9.3 7.6 11.4
92 114.9 98.9 148.3

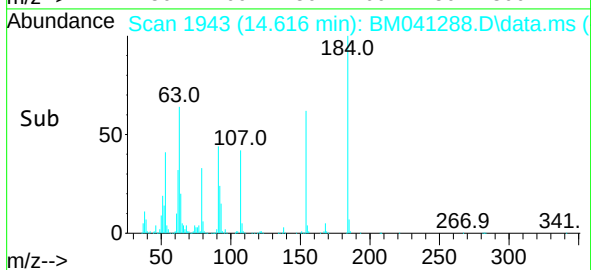
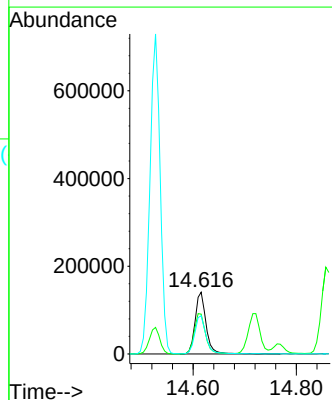
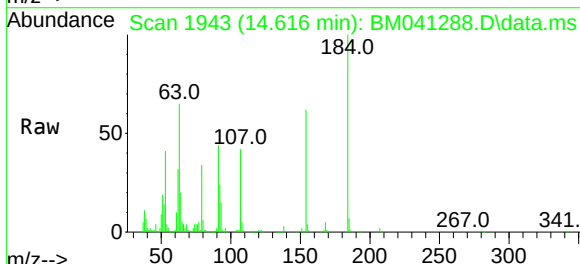
Manual Integrations
APPROVED

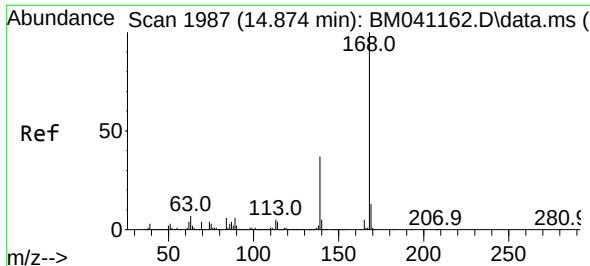
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#54
2,4-Dinitrophenol
Concen: 51.705 ng
RT: 14.616 min Scan# 1943
Delta R.T. 0.006 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

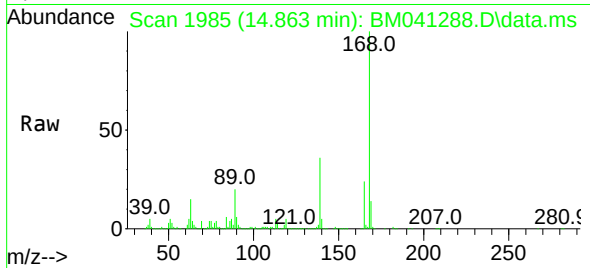
Tgt Ion:184 Resp: 207429
Ion Ratio Lower Upper
184 100
63 64.6 66.5 99.7#
154 61.9 52.8 79.2





#55
Dibenzofuran
Concen: 44.504 ng
RT: 14.863 min Scan# 1985
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

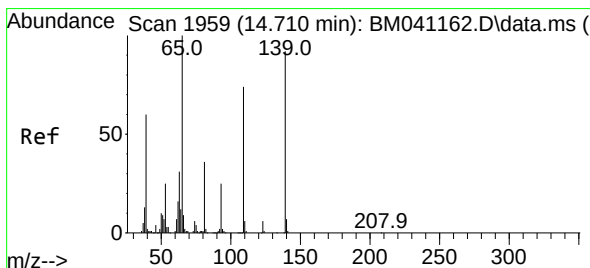
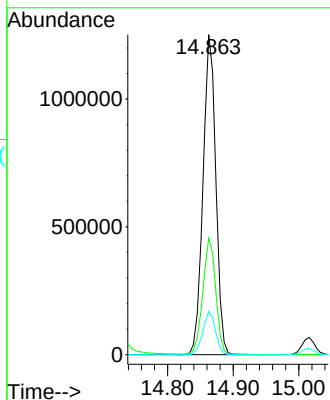
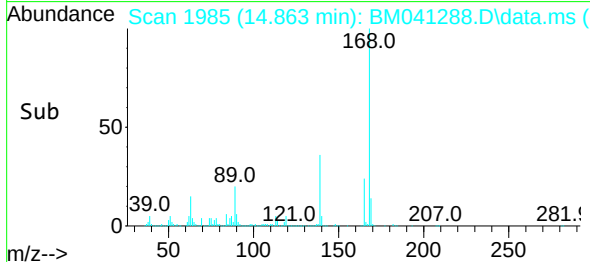
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD



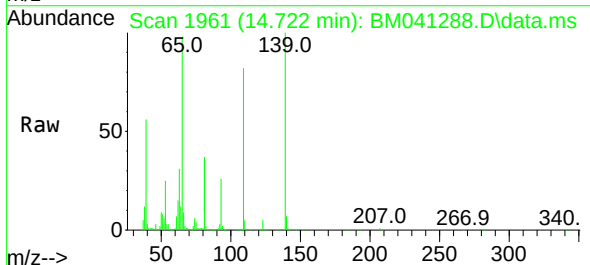
Tgt Ion:168 Resp: 170226
Ion Ratio Lower Upper
168 100
139 36.5 29.8 44.6
169 13.6 10.5 15.7

Manual Integrations
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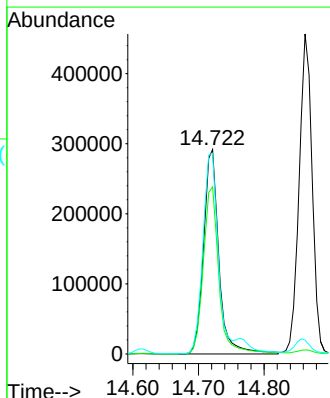
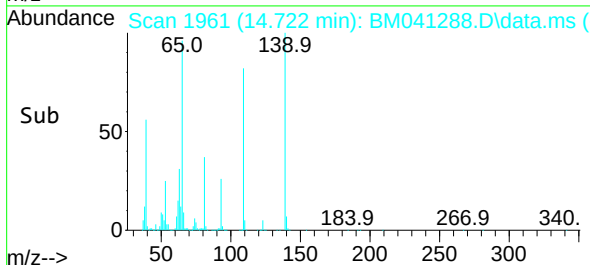
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

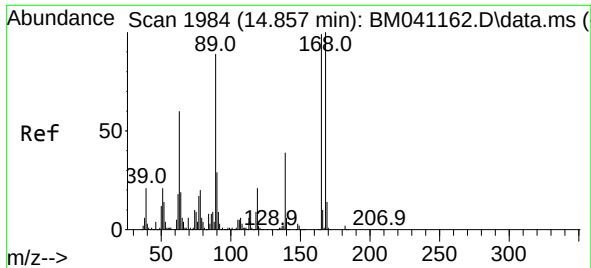


#56
4-Nitrophenol
Concen: 92.059 ng
RT: 14.722 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14



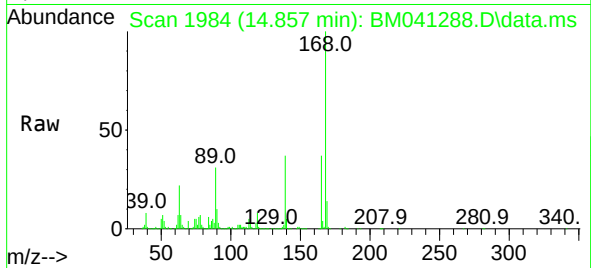
Tgt Ion:139 Resp: 476298
Ion Ratio Lower Upper
139 100
109 81.7 61.2 101.2
65 98.1 89.5 129.5





#57
2,4-Dinitrotoluene
Concen: 50.367 ng
RT: 14.857 min Scan# 1984
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

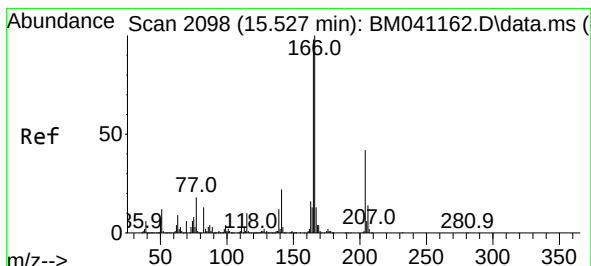
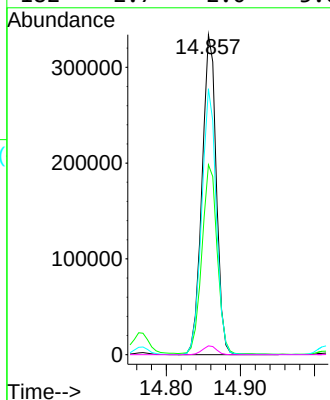
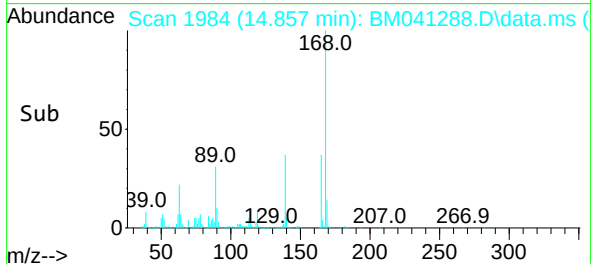
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD



Tgt Ion:165 Resp: 44775
Ion Ratio Lower Upper
165 100
63 59.3 48.3 72.5
89 83.1 71.8 107.8
182 2.7 2.0 3.0

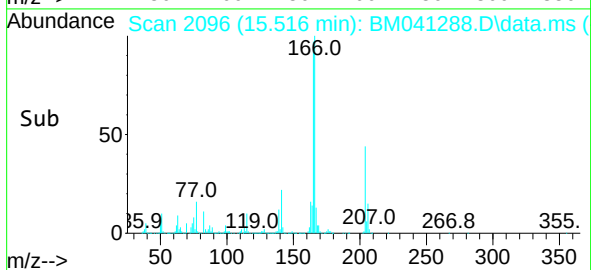
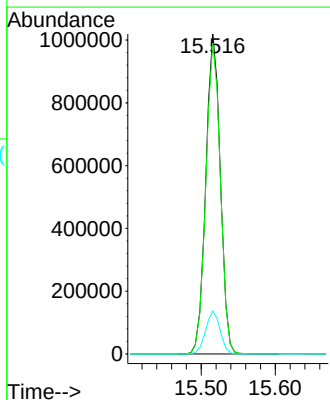
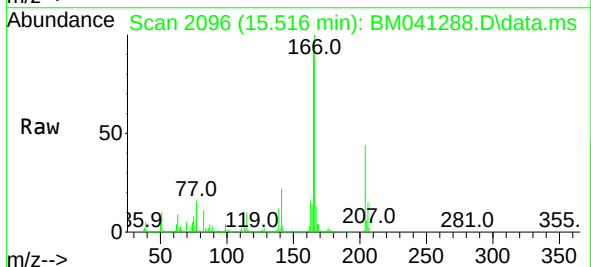
Manual Integrations
APPROVED

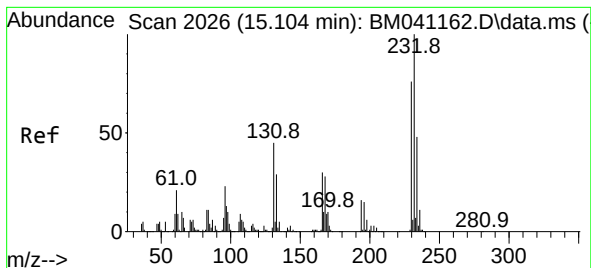
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#58
Fluorene
Concen: 45.878 ng
RT: 15.516 min Scan# 2096
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

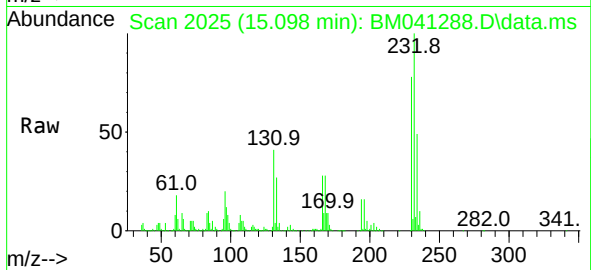
Tgt Ion:166 Resp: 1384358
Ion Ratio Lower Upper
166 100
165 97.1 78.2 117.4
167 13.4 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 52.710 ng
RT: 15.098 min Scan# 2059
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

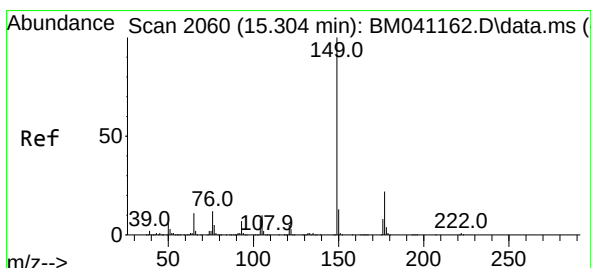
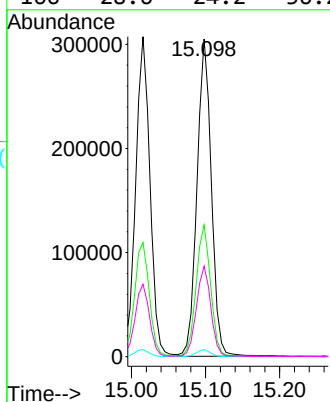
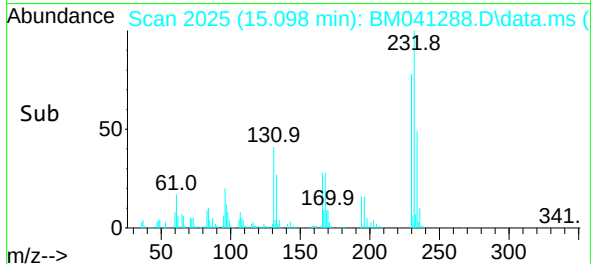
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD



Tgt Ion:232 Resp: 409520
Ion Ratio Lower Upper
232 100
131 41.8 36.9 55.3
130 2.2 2.0 3.0
166 28.6 24.2 36.2

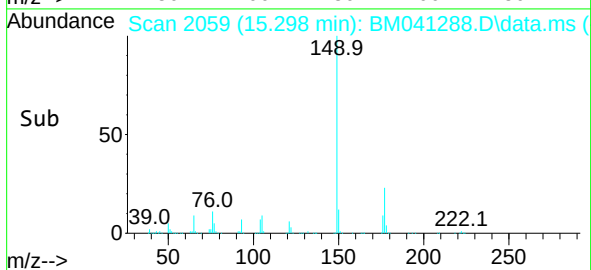
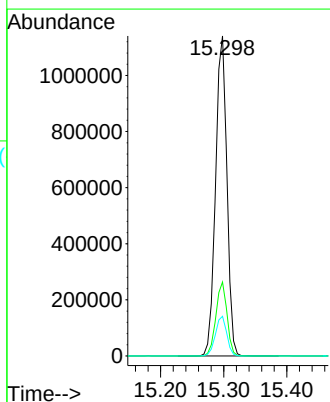
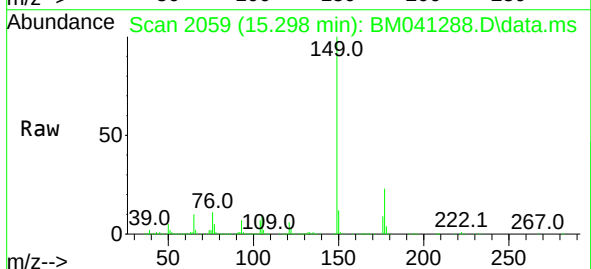
Manual Integrations
APPROVED

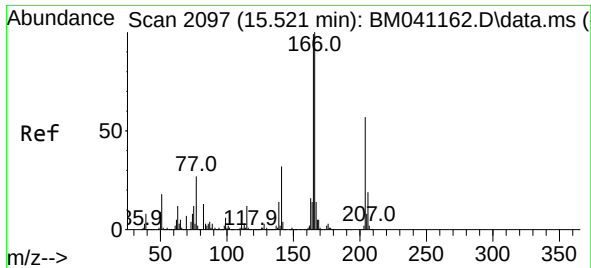
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#60
Diethylphthalate
Concen: 49.088 ng
RT: 15.298 min Scan# 2059
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

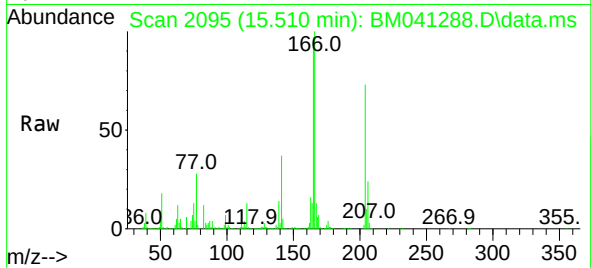
Tgt Ion:149 Resp: 1422287
Ion Ratio Lower Upper
149 100
177 23.1 17.5 26.3
150 12.4 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 48.178 ng
RT: 15.510 min Scan# 2097
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

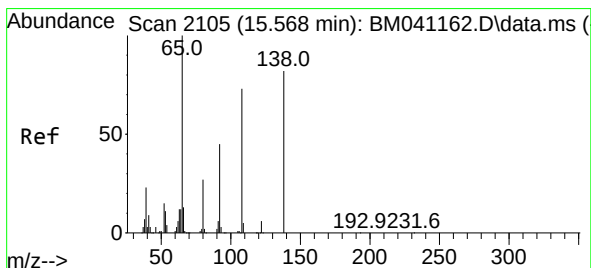
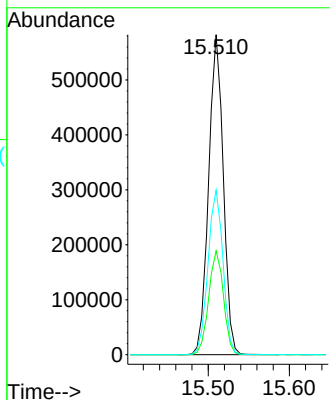
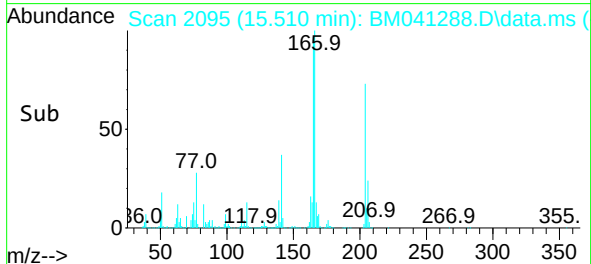
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD



Tgt Ion:204 Resp: 728498
Ion Ratio Lower Upper
204 100
206 32.5 26.5 39.7
141 51.5 44.8 67.2

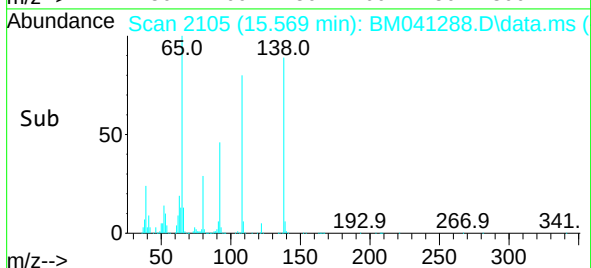
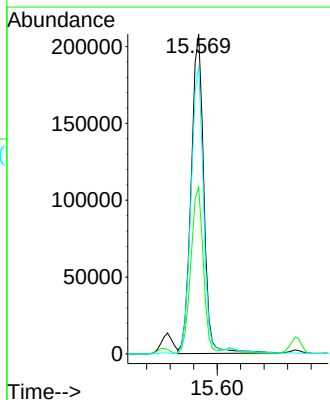
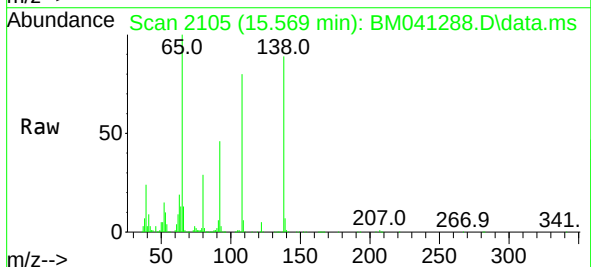
Manual Integrations
APPROVED

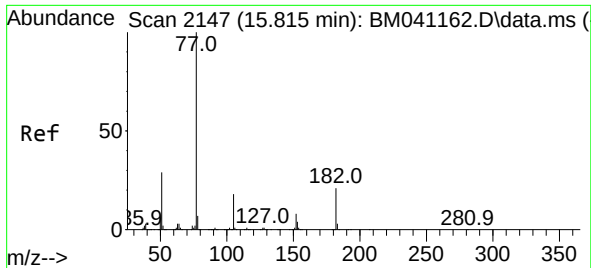
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#62
4-Nitroaniline
Concen: 47.038 ng
RT: 15.569 min Scan# 2105
Delta R.T. 0.006 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

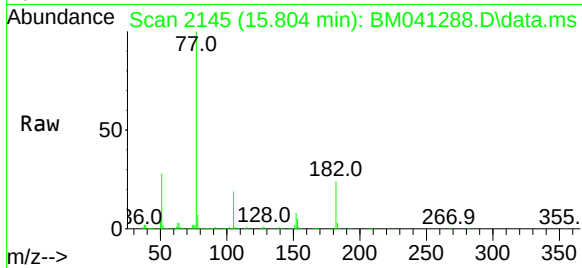
Tgt Ion:138 Resp: 310844
Ion Ratio Lower Upper
138 100
92 52.2 35.1 75.1
108 90.0 67.8 107.8





#63
Azobenzene
Concen: 43.686 ng
RT: 15.804 min Scan# 2145
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

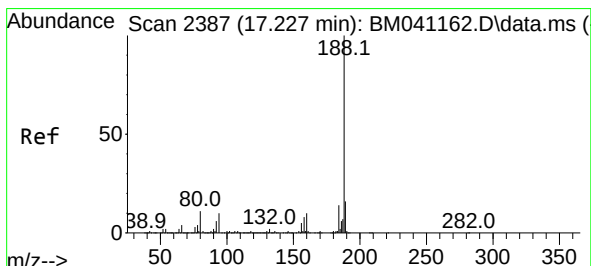
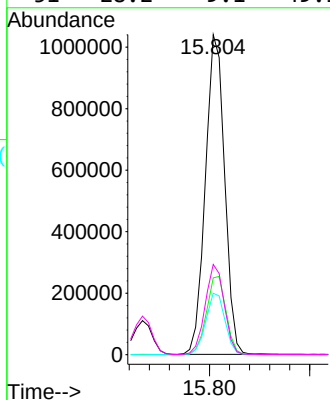
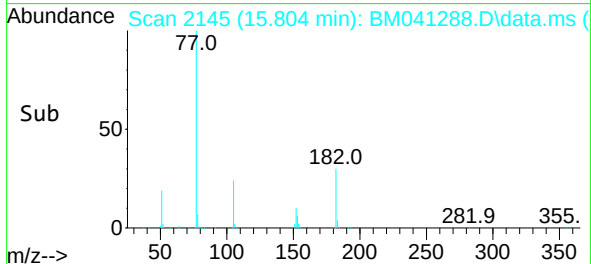
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD



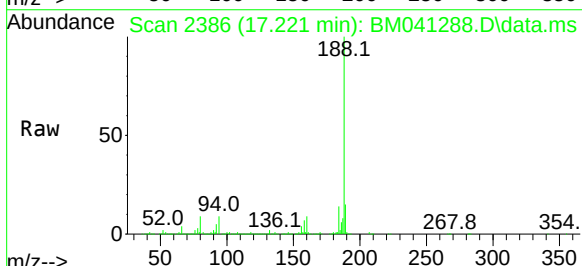
Tgt Ion: 77 Resp: 138648
Ion Ratio Lower Upper
77 100
182 24.0 1.3 41.3
105 19.2 0.0 38.5
51 28.2 9.1 49.1

Manual Integrations
APPROVED

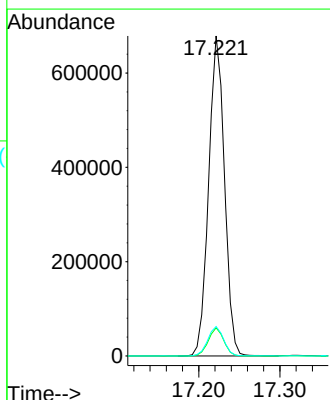
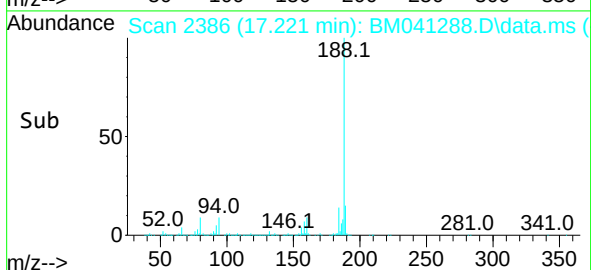
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

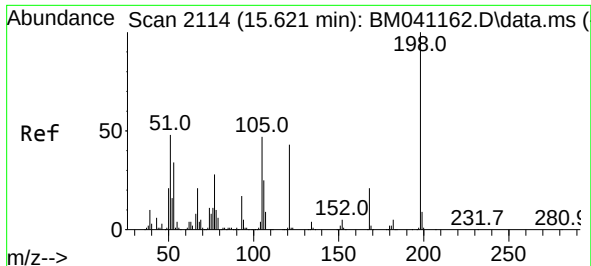


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 2386
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14



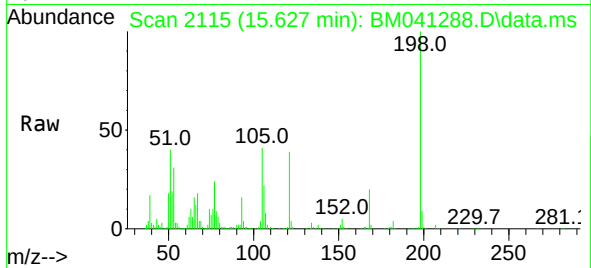
Tgt Ion:188 Resp: 918504
Ion Ratio Lower Upper
188 100
94 8.8 8.2 12.2
80 9.2 8.6 13.0





#65
4,6-Dinitro-2-methylphenol
Concen: 33.193 ng
RT: 15.627 min Scan# 2115
Delta R.T. 0.006 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

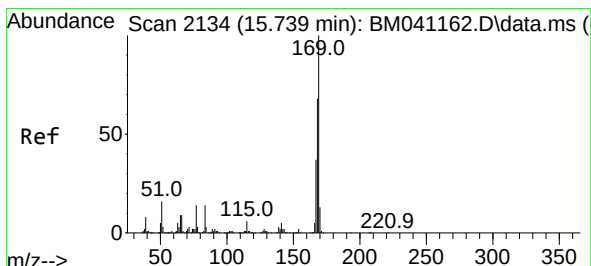
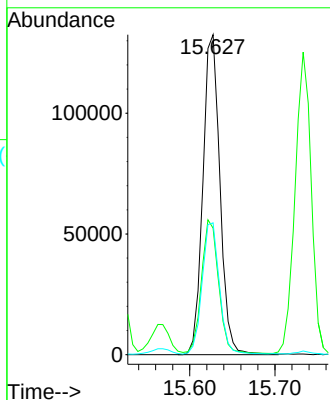
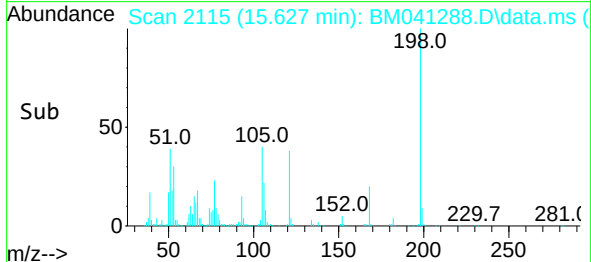
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD



Tgt Ion:198 Resp: 184692
Ion Ratio Lower Upper
198 100
51 39.6 31.7 71.7
105 41.2 27.8 67.8

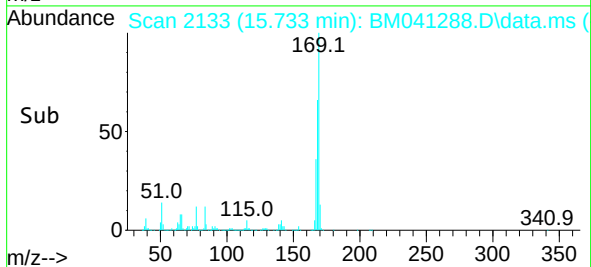
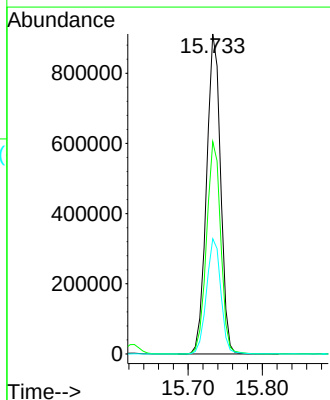
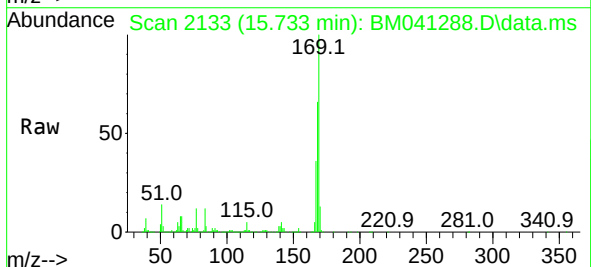
Manual Integrations
APPROVED

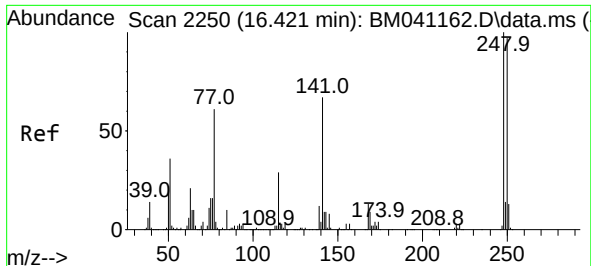
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#66
n-Nitrosodiphenylamine
Concen: 42.054 ng
RT: 15.733 min Scan# 2133
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

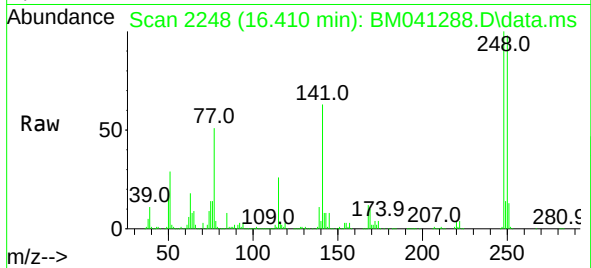
Tgt Ion:169 Resp: 1201313
Ion Ratio Lower Upper
169 100
168 66.3 54.6 81.8
167 36.0 29.9 44.9





#67
4-Bromophenyl-phenylether
Concen: 45.655 ng
RT: 16.410 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

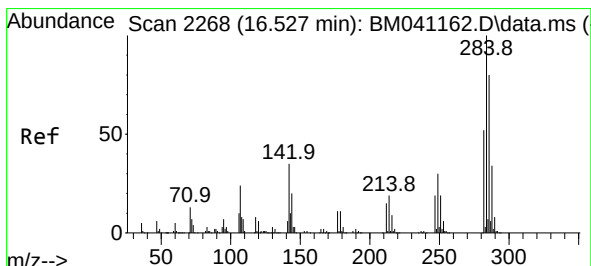
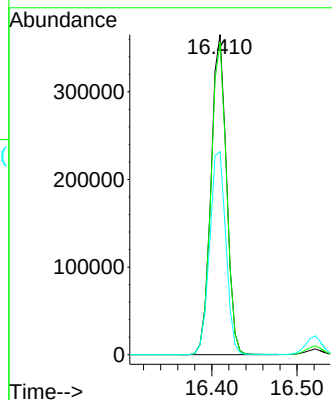
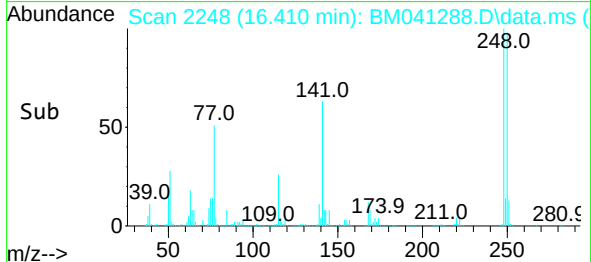
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD



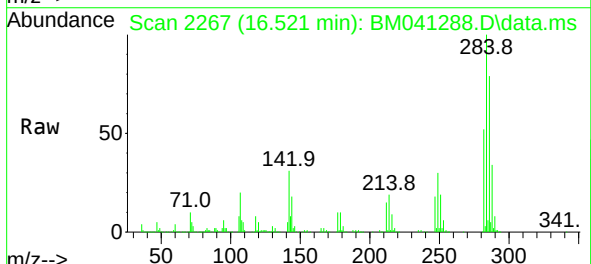
Tgt Ion:248 Resp: 459772
Ion Ratio Lower Upper
248 100
250 97.6 78.0 117.0
141 63.5 53.8 80.8

Manual Integrations
APPROVED

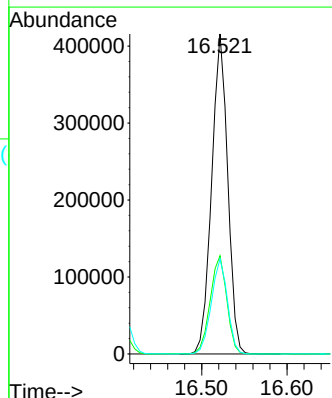
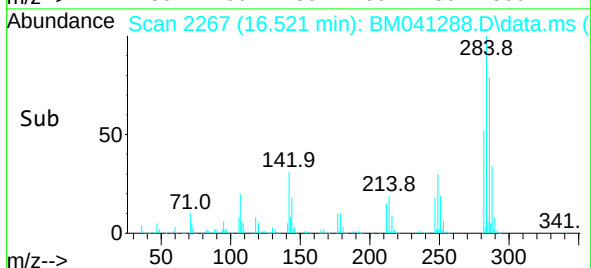
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

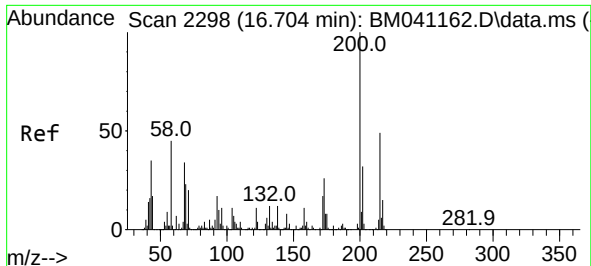


#68
Hexachlorobenzene
Concen: 48.499 ng
RT: 16.521 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14



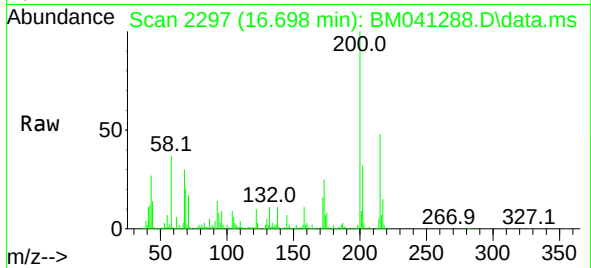
Tgt Ion:284 Resp: 543103
Ion Ratio Lower Upper
284 100
142 30.7 28.0 42.0
249 29.7 23.7 35.5





#69
 Atrazine
 Concen: 61.748 ng
 RT: 16.698 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM041288.D
 Acq: 04 Aug 2023 11:14

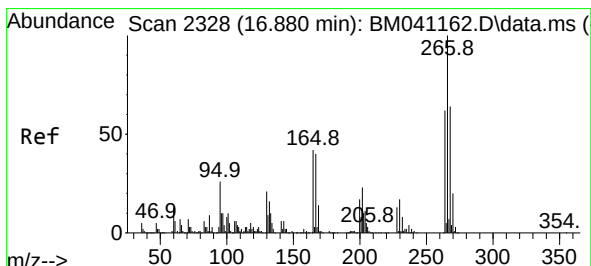
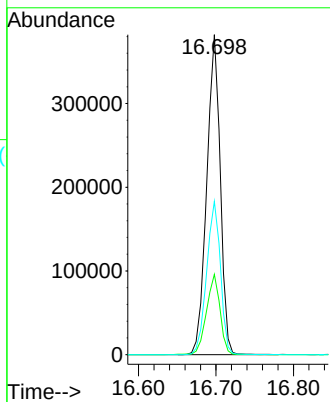
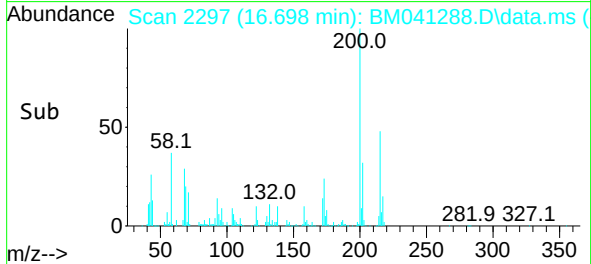
Instrument :
 BNA_M
 ClientSampleId :
 BERGENFIELD-SOIL-COMPMSD



Tgt Ion:200 Resp: 463220
 Ion Ratio Lower Upper
 200 100
 173 25.1 5.6 45.6
 215 47.9 28.5 68.5

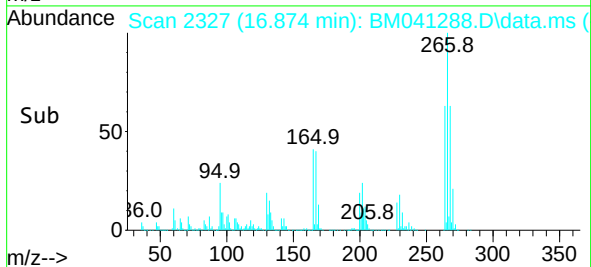
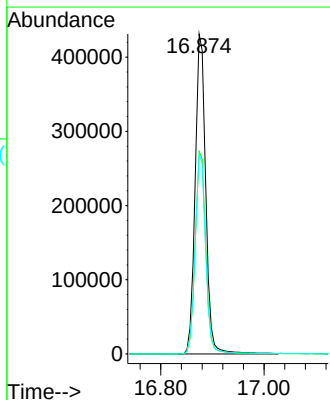
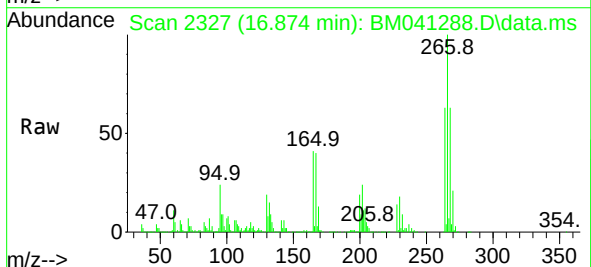
Manual Integrations
 APPROVED

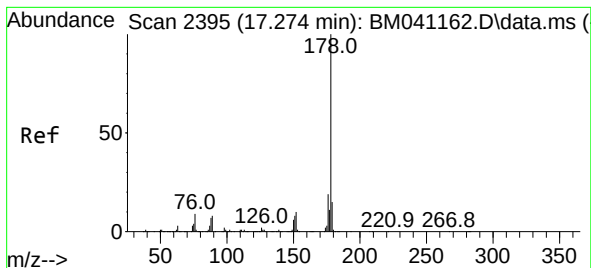
Reviewed By :Yogesh Patel 08/07/2023
 Supervised By :mohammad ahmed 08/07/2023



#70
 Pentachlorophenol
 Concen: 79.126 ng
 RT: 16.874 min Scan# 2327
 Delta R.T. -0.006 min
 Lab File: BM041288.D
 Acq: 04 Aug 2023 11:14

Tgt Ion:266 Resp: 613563
 Ion Ratio Lower Upper
 266 100
 268 63.2 51.0 76.6
 264 62.6 49.4 74.2





#71

Phenanthrene

Concen: 43.389 ng

RT: 17.268 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM041288.D

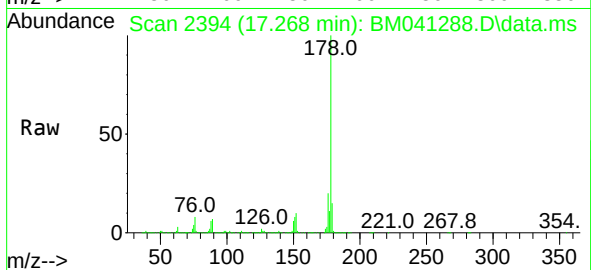
Acq: 04 Aug 2023 11:14

Instrument :

BNA_M

ClientSampleId :

BERGENFIELD-SOIL-COMPMSD



Tgt Ion:178 Resp: 2214264

Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

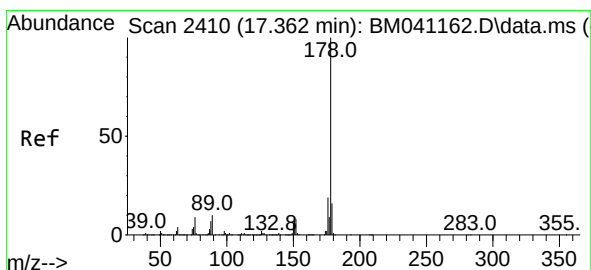
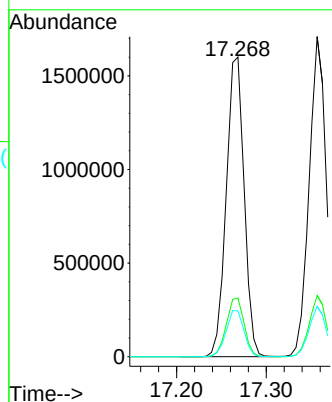
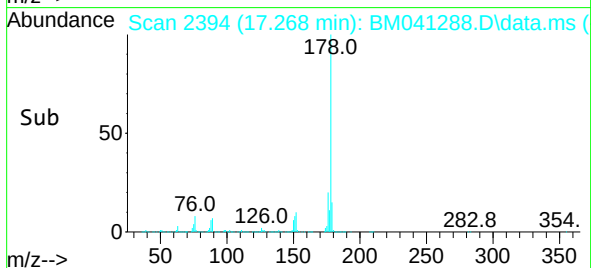
179 15.3 12.1 18.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#72

Anthracene

Concen: 44.649 ng

RT: 17.357 min Scan# 2409

Delta R.T. -0.000 min

Lab File: BM041288.D

Acq: 04 Aug 2023 11:14

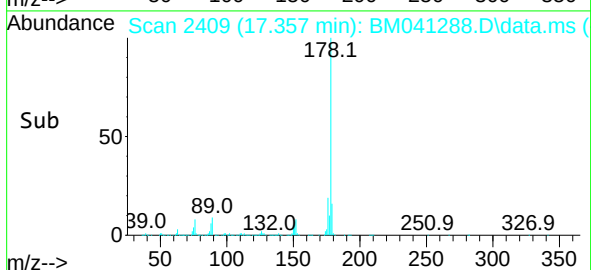
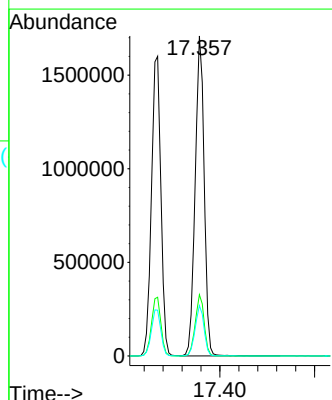
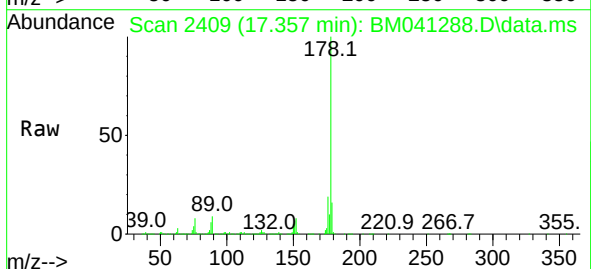
Tgt Ion:178 Resp: 2253529

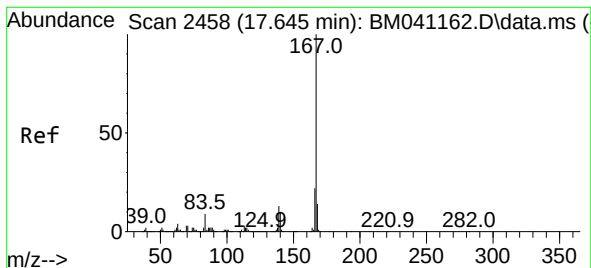
Ion Ratio Lower Upper

178 100

176 19.2 15.2 22.8

179 15.8 12.4 18.6





#73

Carbazole

Concen: 46.020 ng

RT: 17.639 min Scan# 24

Delta R.T. -0.000 min

Lab File: BM041288.D

Acq: 04 Aug 2023 11:14

Instrument :

BNA_M

ClientSampleId :

BERGENFIELD-SOIL-COMPMSD

Tgt Ion:167 Resp: 210229

Ion Ratio Lower Upper

167 100

166 21.5 17.3 25.9

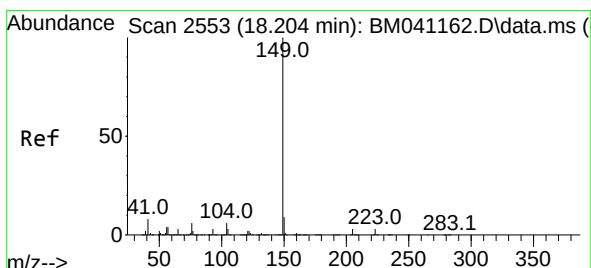
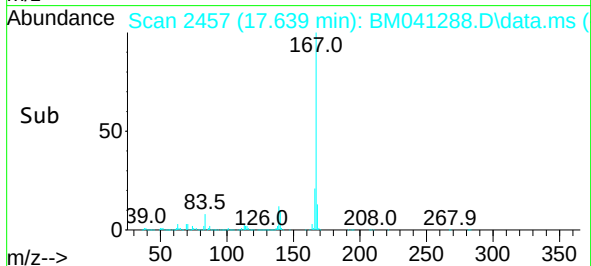
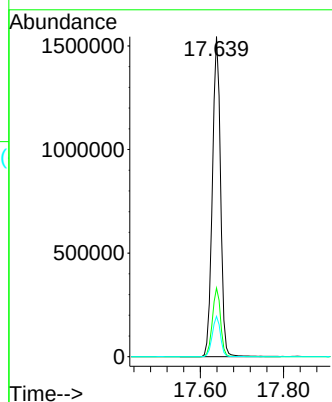
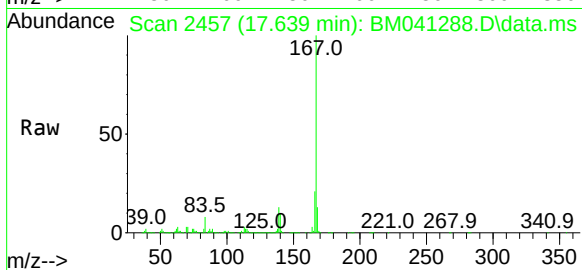
139 12.6 10.3 15.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#74

Di-n-butylphthalate

Concen: 50.665 ng

RT: 18.192 min Scan# 2551

Delta R.T. -0.006 min

Lab File: BM041288.D

Acq: 04 Aug 2023 11:14

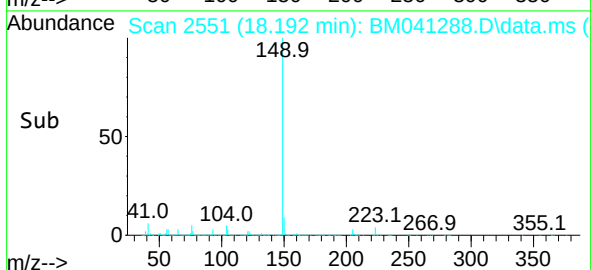
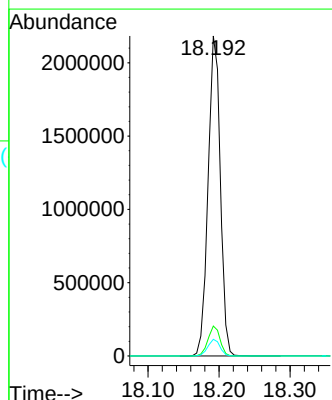
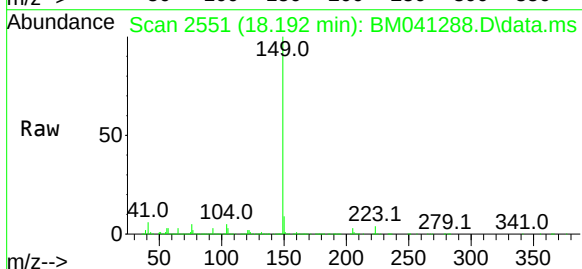
Tgt Ion:149 Resp: 2615395

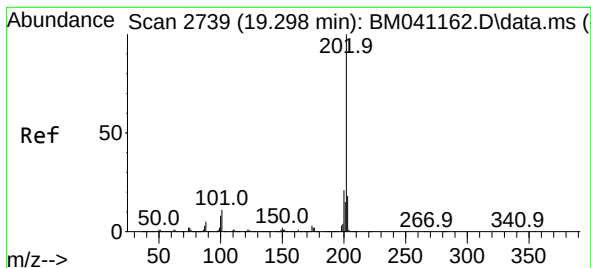
Ion Ratio Lower Upper

149 100

150 9.4 7.3 10.9

104 5.2 4.5 6.7





#75

Fluoranthene

Concen: 47.891 ng

RT: 19.292 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM041288.D

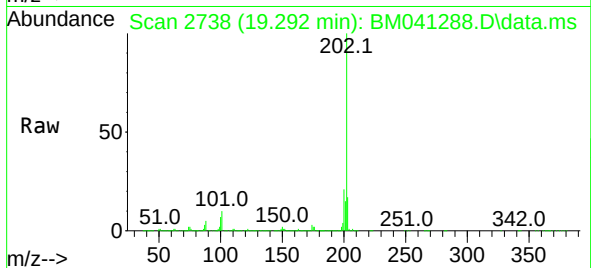
Acq: 04 Aug 2023 11:14

Instrument :

BNA_M

ClientSampleId :

BERGENFIELD-SOIL-COMPMSD



Tgt Ion:202 Resp: 2745809

Ion Ratio Lower Upper

202 100

101 9.7 0.0 30.8

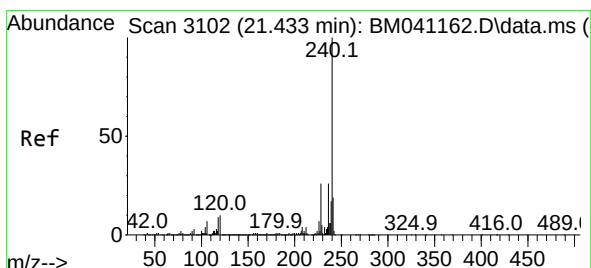
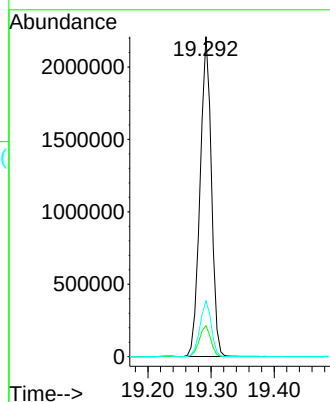
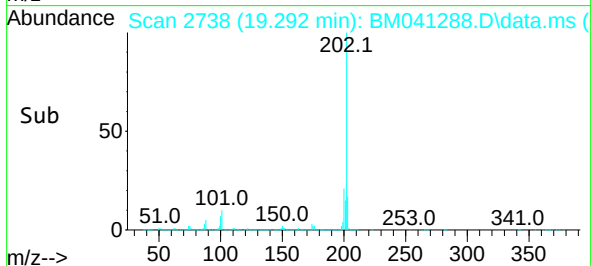
203 17.5 0.0 37.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.433 min Scan# 3102

Delta R.T. -0.000 min

Lab File: BM041288.D

Acq: 04 Aug 2023 11:14

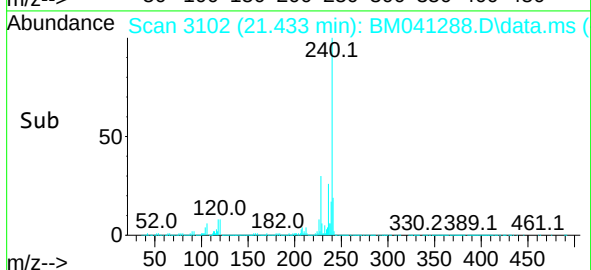
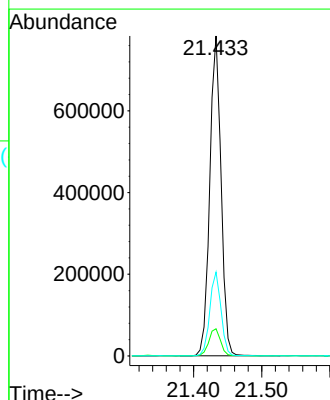
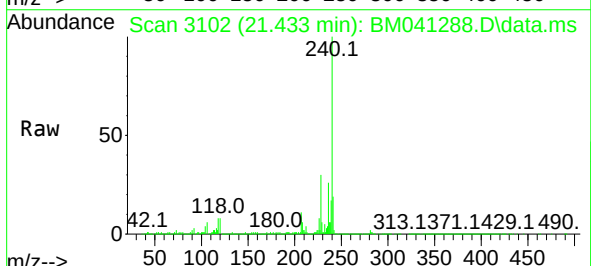
Tgt Ion:240 Resp: 901231

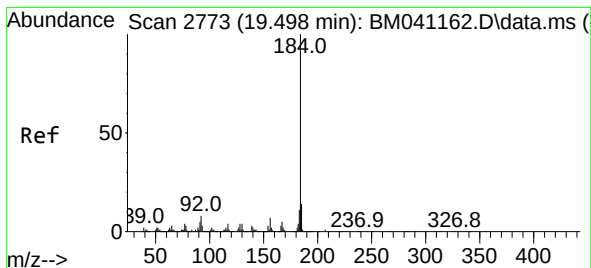
Ion Ratio Lower Upper

240 100

120 8.5 8.3 12.5

236 26.2 20.6 30.8





#77

Benzidine

Concen: 54.100 ng

RT: 19.486 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM041288.D

Acq: 04 Aug 2023 11:14

Instrument :

BNA_M

ClientSampleId :

BERGENFIELD-SOIL-COMPMSD

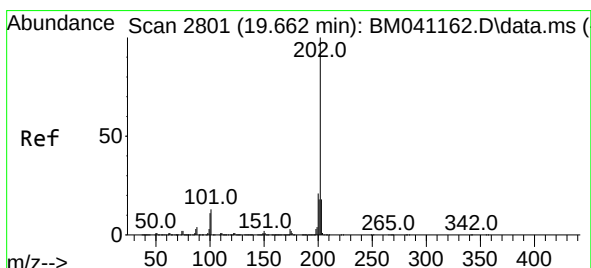
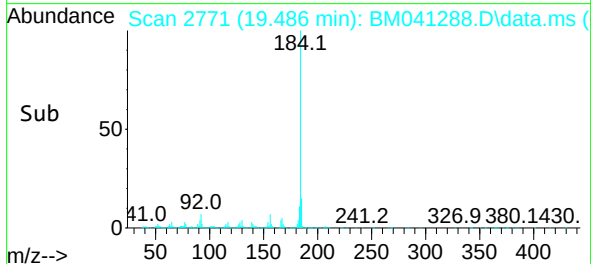
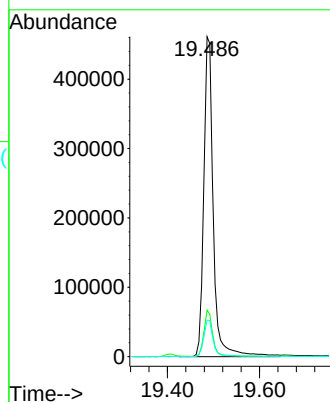
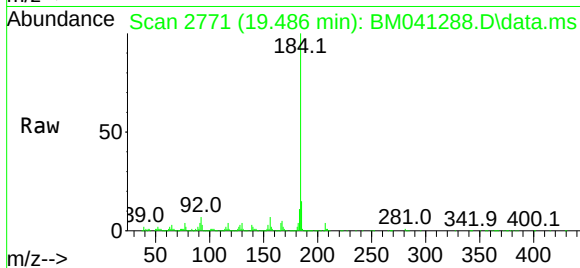
Tgt Ion:184 Resp: 66454
 Ion Ratio Lower Upper
 184 100
 185 14.6 11.4 17.0
 183 11.4 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#78

Pyrene

Concen: 45.677 ng

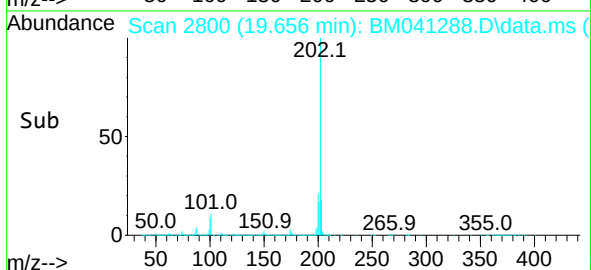
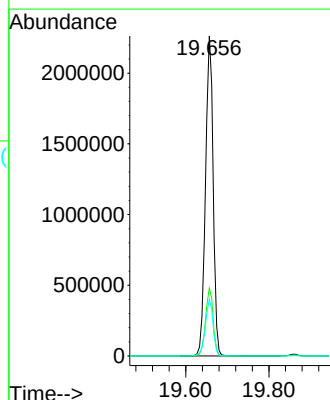
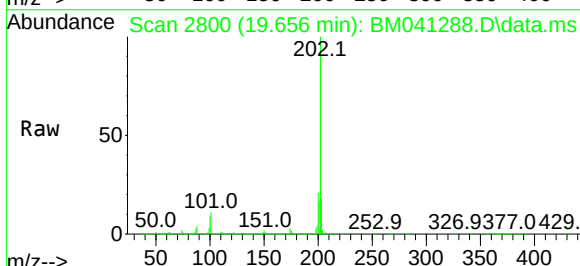
RT: 19.656 min Scan# 2800

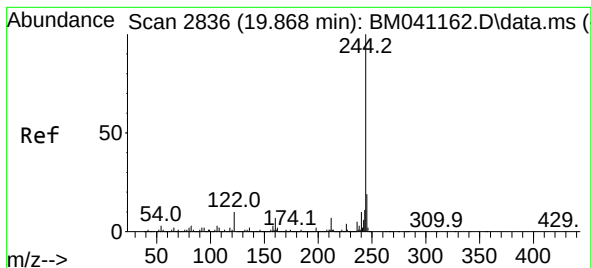
Delta R.T. -0.000 min

Lab File: BM041288.D

Acq: 04 Aug 2023 11:14

Tgt Ion:202 Resp: 2878790
 Ion Ratio Lower Upper
 202 100
 200 21.3 16.9 25.3
 203 17.8 14.1 21.1





#79

Terphenyl-d14

Concen: 89.402 ng

RT: 19.862 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM041288.D

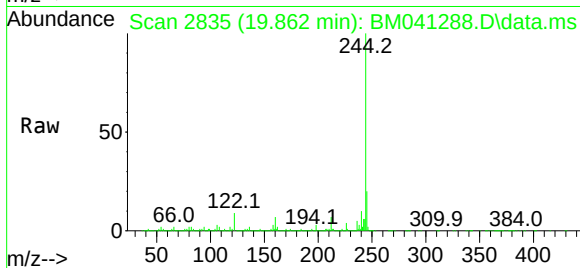
Acq: 04 Aug 2023 11:14

Instrument :

BNA_M

ClientSampleId :

BERGENFIELD-SOIL-COMPMSD



Tgt Ion:244 Resp: 445625

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

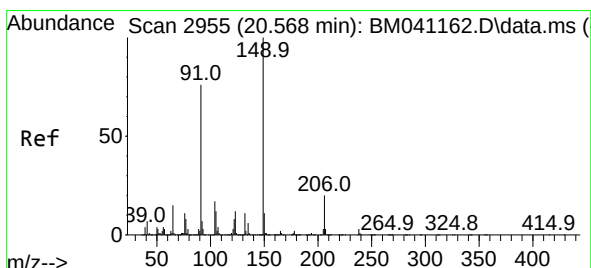
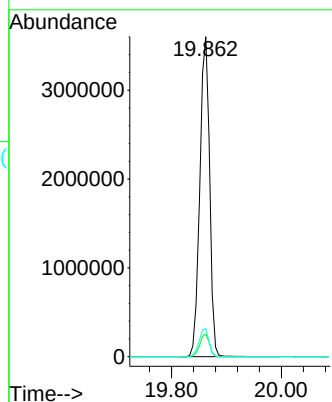
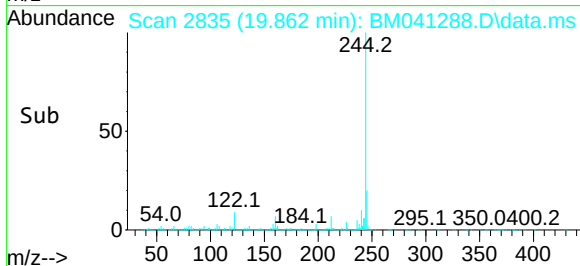
122 8.7 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#80

Butylbenzylphthalate

Concen: 53.678 ng

RT: 20.556 min Scan# 2953

Delta R.T. -0.006 min

Lab File: BM041288.D

Acq: 04 Aug 2023 11:14

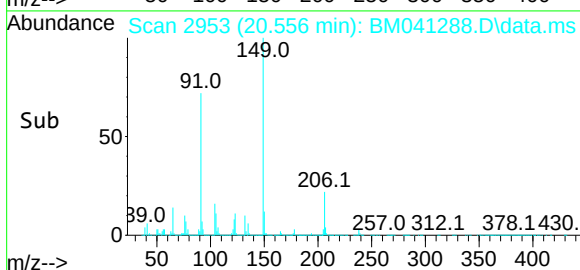
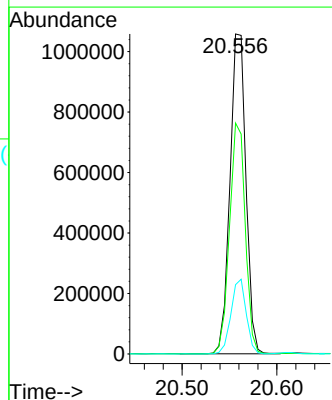
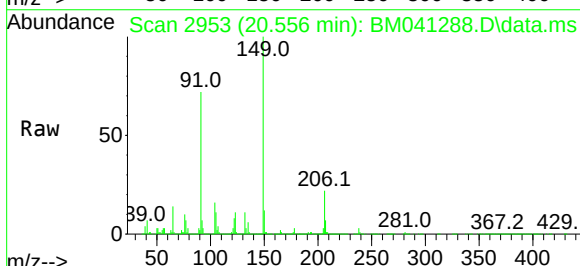
Tgt Ion:149 Resp: 1235426

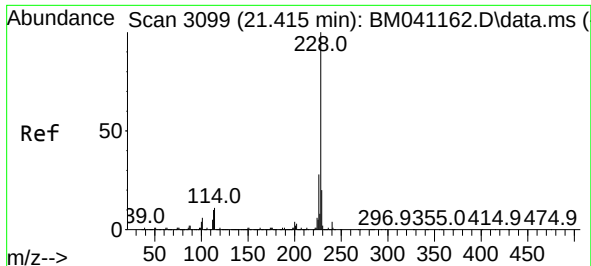
Ion Ratio Lower Upper

149 100

91 72.2 60.8 91.2

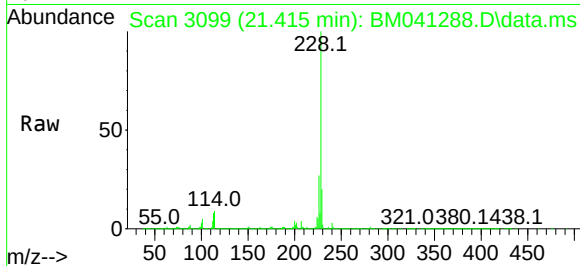
206 21.6 16.4 24.6





#81
Benzo(a)anthracene
Concen: 47.323 ng
RT: 21.415 min Scan# 3099
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

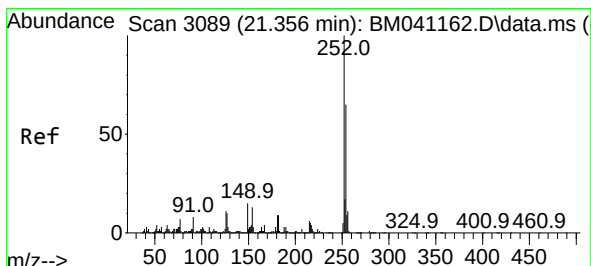
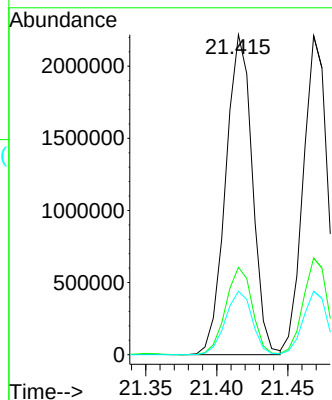
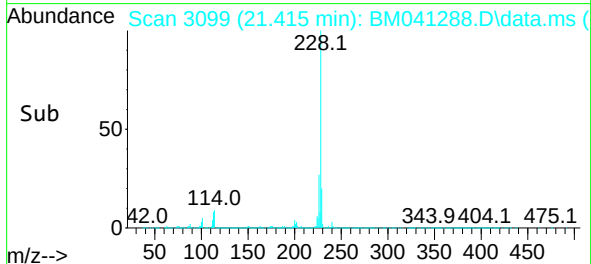
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD



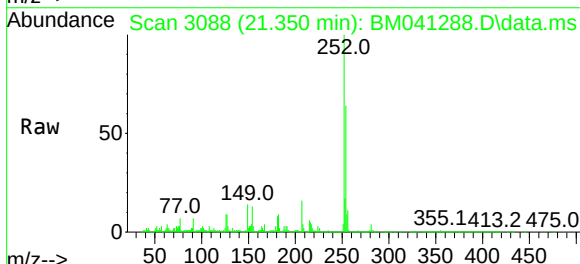
Tgt Ion:228 Resp: 2891229
Ion Ratio Lower Upper
228 100
226 27.3 22.4 33.6
229 19.8 15.8 23.8

Manual Integrations
APPROVED

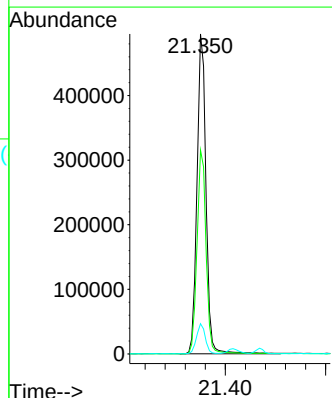
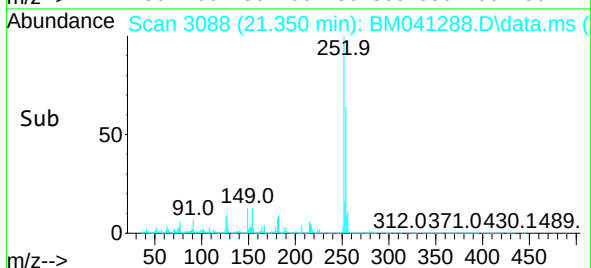
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

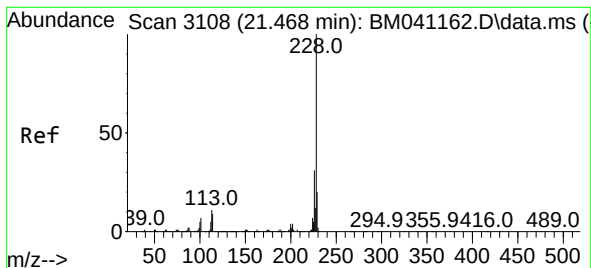


#82
3,3'-Dichlorobenzidine
Concen: 30.776 ng
RT: 21.350 min Scan# 3088
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14



Tgt Ion:252 Resp: 613559
Ion Ratio Lower Upper
252 100
254 63.7 51.8 77.6
126 9.5 8.6 13.0





#83

Chrysene

Concen: 44.258 ng

RT: 21.468 min Scan# 3108

Delta R.T. -0.000 min

Lab File: BM041288.D

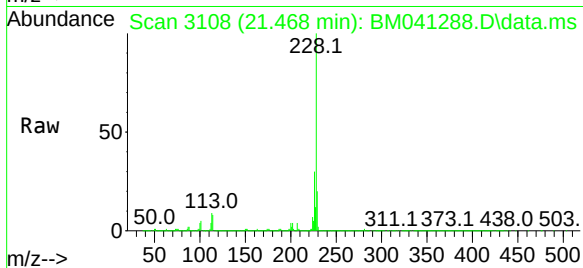
Acq: 04 Aug 2023 11:14

Instrument :

BNA_M

ClientSampleId :

BERGENFIELD-SOIL-COMPMSD



Tgt Ion:228 Resp: 261539

Ion Ratio Lower Upper

228 100

226 30.3 24.5 36.7

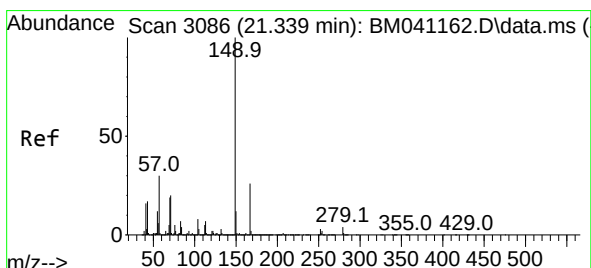
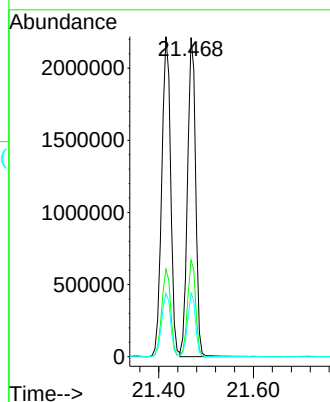
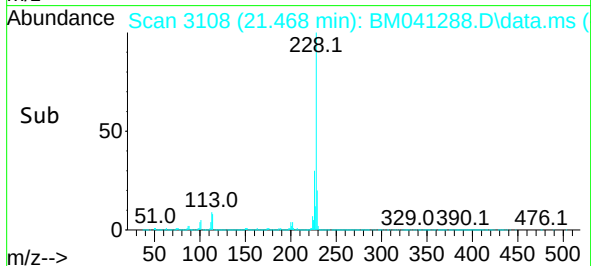
229 19.9 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.885 ng

RT: 21.333 min Scan# 3085

Delta R.T. -0.000 min

Lab File: BM041288.D

Acq: 04 Aug 2023 11:14

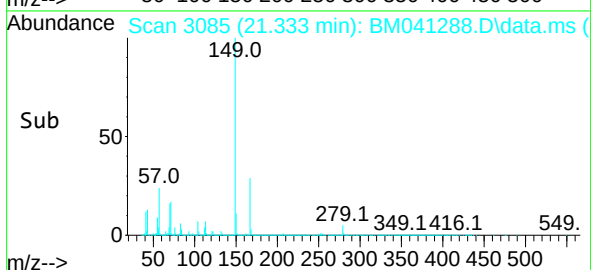
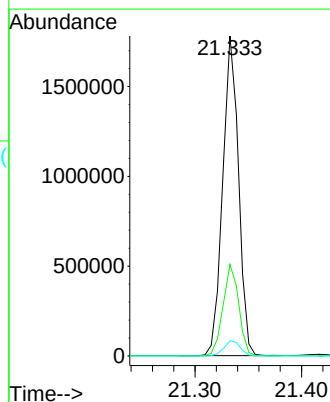
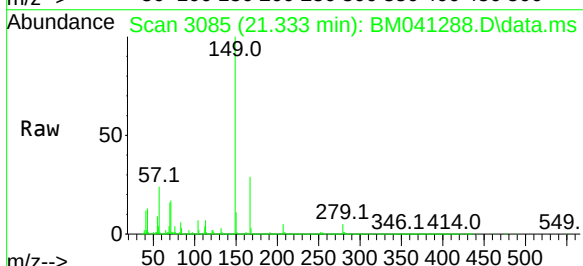
Tgt Ion:149 Resp: 1827124

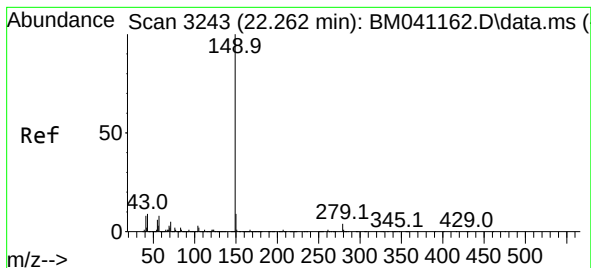
Ion Ratio Lower Upper

149 100

167 28.6 21.0 31.6

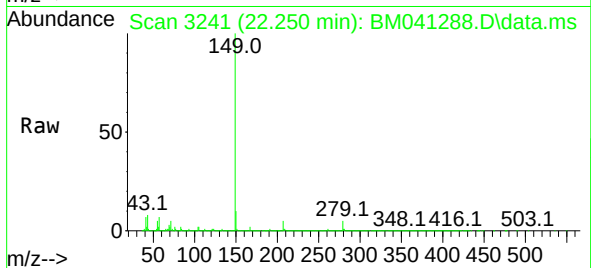
279 4.7 3.1 4.7#





#85
Di-n-octyl phthalate
Concen: 54.303 ng
RT: 22.250 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

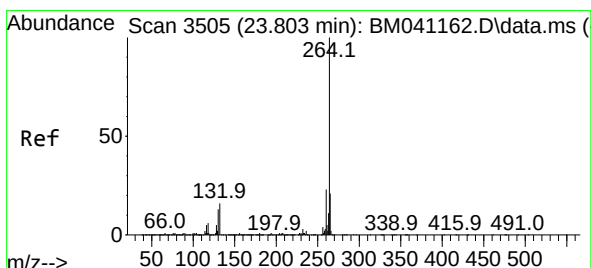
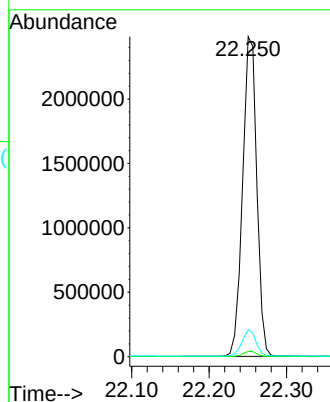
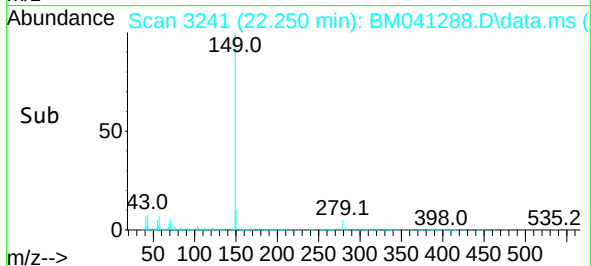
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD



Tgt Ion:149 Resp: 3158678
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 8.3 8.3 12.5

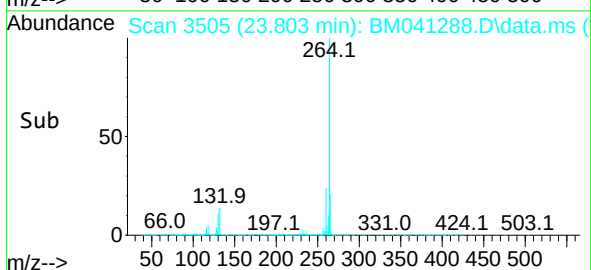
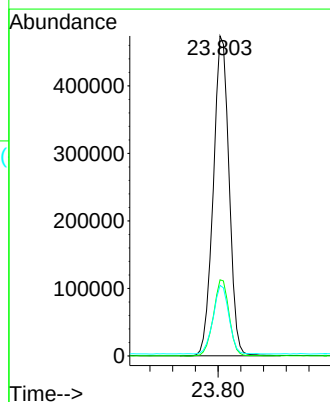
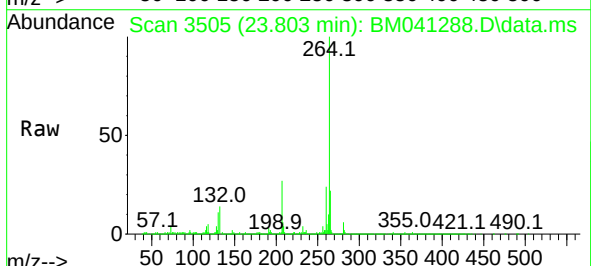
Manual Integrations
APPROVED

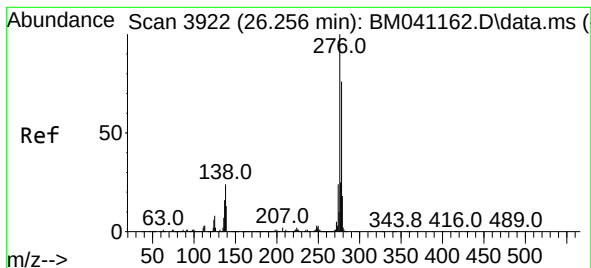
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.803 min Scan# 3505
Delta R.T. -0.000 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

Tgt Ion:264 Resp: 911563
Ion Ratio Lower Upper
264 100
260 23.8 18.5 27.7
265 22.1 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.644 ng

RT: 26.274 min Scan# 3922

Delta R.T. 0.012 min

Lab File: BM041288.D

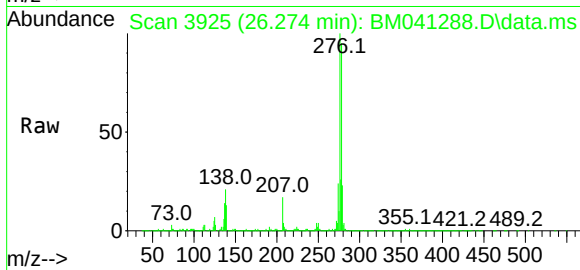
Acq: 04 Aug 2023 11:14

Instrument :

BNA_M

ClientSampleId :

BERGENFIELD-SOIL-COMPMSD



Tgt Ion: 276 Resp: 265689

Ion Ratio Lower Upper

276 100

138 20.0 20.0 30.0

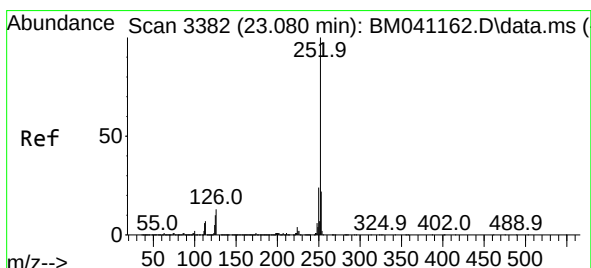
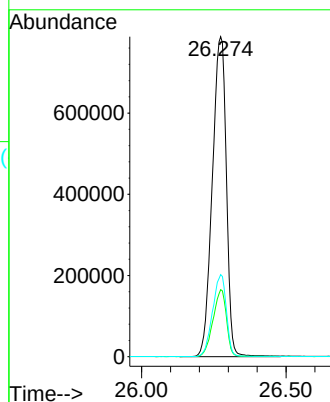
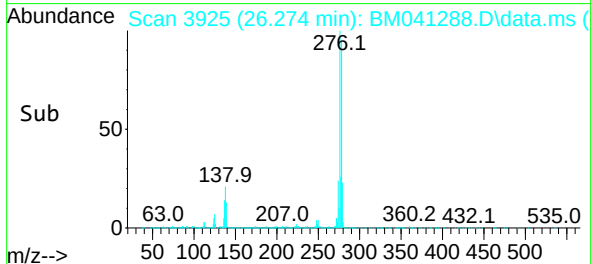
277 25.1 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#88

Benzo(b)fluoranthene

Concen: 49.577 ng

RT: 23.086 min Scan# 3383

Delta R.T. -0.000 min

Lab File: BM041288.D

Acq: 04 Aug 2023 11:14

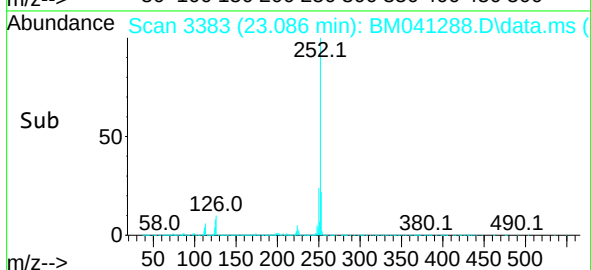
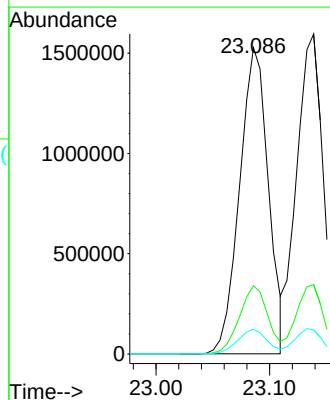
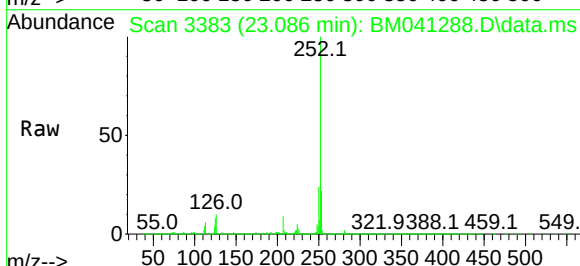
Tgt Ion: 252 Resp: 2684721

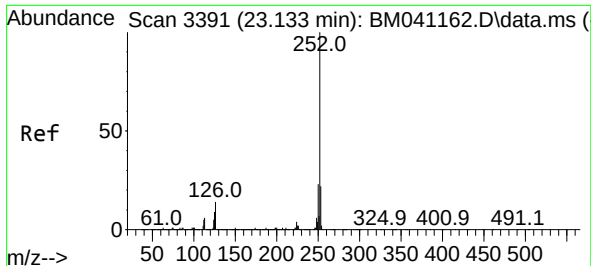
Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 8.1 8.2 12.4#





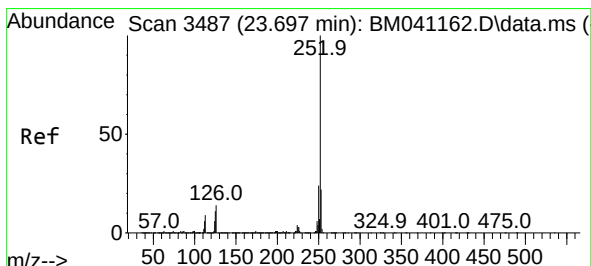
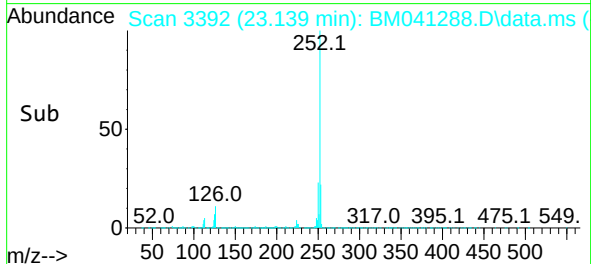
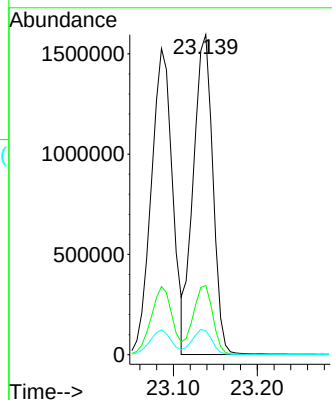
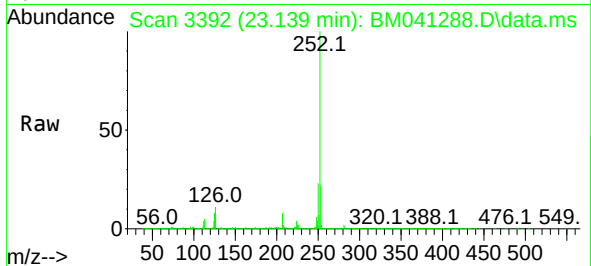
#89
Benzo(k)fluoranthene
Concen: 46.742 ng m
RT: 23.139 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMSD

Tgt Ion:252 Resp: 258916
Ion Ratio Lower Upper
252 100
253 21.6 17.4 26.0
125 7.5 7.6 11.4

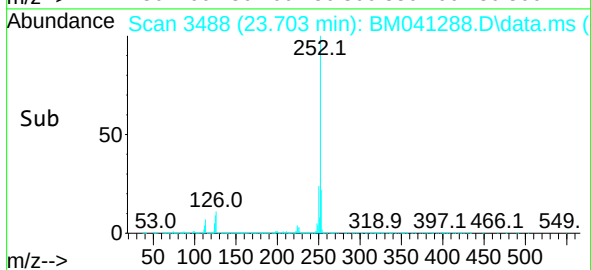
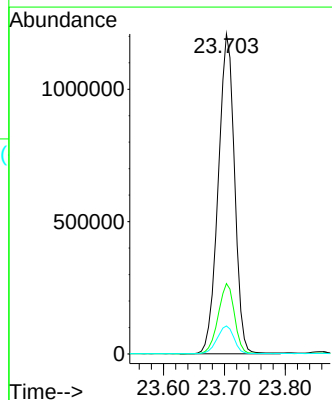
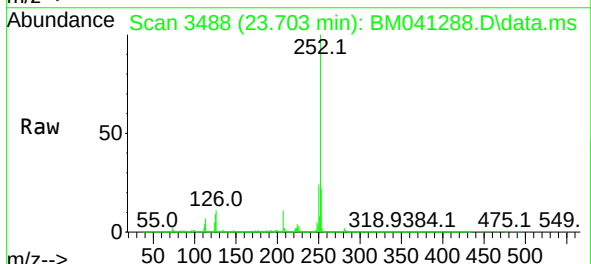
Manual Integrations
APPROVED

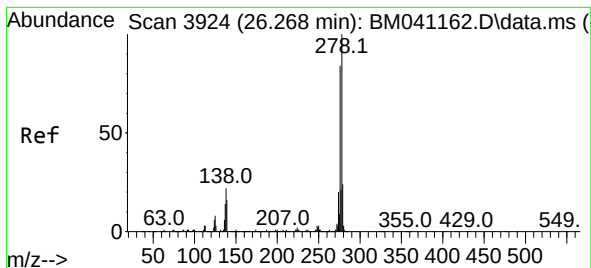
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#90
Benzo(a)pyrene
Concen: 43.263 ng
RT: 23.703 min Scan# 3488
Delta R.T. 0.006 min
Lab File: BM041288.D
Acq: 04 Aug 2023 11:14

Tgt Ion:252 Resp: 2251109
Ion Ratio Lower Upper
252 100
253 22.0 17.3 25.9
125 8.8 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 40.034 ng

RT: 26.285 min Scan# 3924

Delta R.T. 0.012 min

Lab File: BM041288.D

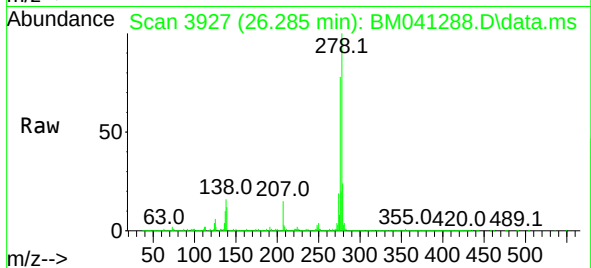
Acq: 04 Aug 2023 11:14

Instrument :

BNA_M

ClientSampleId :

BERGENFIELD-SOIL-COMPMSD



Tgt Ion:278 Resp: 223788

Ion Ratio Lower Upper

278 100

139 12.4 12.7 19.1

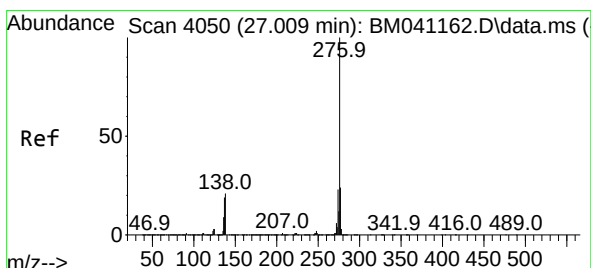
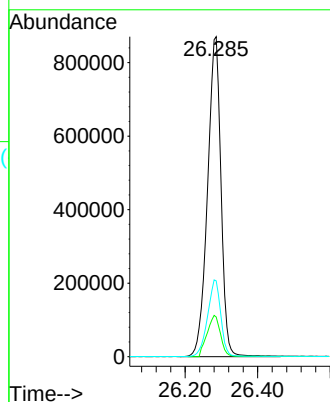
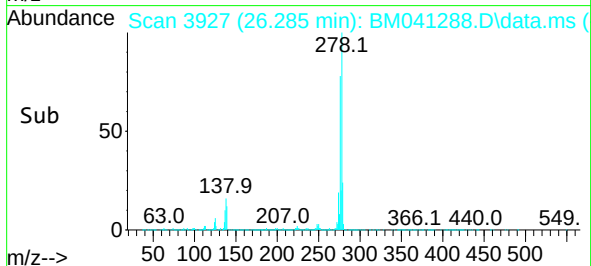
279 23.7 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#92

Benzo(g,h,i)perylene

Concen: 37.680 ng

RT: 27.027 min Scan# 4053

Delta R.T. 0.012 min

Lab File: BM041288.D

Acq: 04 Aug 2023 11:14

Tgt Ion:276 Resp: 2060986

Ion Ratio Lower Upper

276 100

277 23.5 19.1 28.7

138 16.9 17.1 25.7

