

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

Instrument :
 BNA_M
 ClientSampleId :
 TRENCHWAY-SOIL-PILEMSD

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	143545	20.000	ng	0.00
21) Naphthalene-d8	10.816	136	575000	20.000	ng	0.00
39) Acenaphthene-d10	14.633	164	332224	20.000	ng	-0.01
64) Phenanthrene-d10	17.386	188	706156	20.000	ng	-0.01
76) Chrysene-d12	21.568	240	676826	20.000	ng	-0.01
86) Perylene-d12	24.027	264	741102	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	997805	98.242	ng	0.00
7) Phenol-d6	7.145	99	1299832	95.498	ng	0.00
23) Nitrobenzene-d5	9.192	82	868355	66.780	ng	0.00
42) 2,4,6-Tribromophenol	16.133	330	458209	125.251	ng	0.00
45) 2-Fluorobiphenyl	13.257	172	1674108	67.857	ng	-0.01
79) Terphenyl-d14	19.997	244	2544811	66.682	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	179909	37.617	ng	96
3) Pyridine	3.804	79	460399	32.811	ng	96
4) n-Nitrosodimethylamine	3.734	42	260708	36.800	ng	91
6) Aniline	7.328	93	447880	25.845	ng	99
8) 2-Chlorophenol	7.545	128	481837	47.810	ng	96
9) Benzaldehyde	7.151	77	152962	19.295	ng	98
10) Phenol	7.175	94	627233	44.598	ng	99
11) bis(2-Chloroethyl)ether	7.428	93	490660	42.492	ng	97
12) 1,3-Dichlorobenzene	7.869	146	514995	49.404	ng	97
13) 1,4-Dichlorobenzene	8.028	146	530341	50.542	ng	98
14) 1,2-Dichlorobenzene	8.339	146	509916	50.609	ng	97
15) Benzyl Alcohol	8.251	79	456705	45.264	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.504	45	405661	22.203	ng	98
17) 2-Methylphenol	8.434	107	407793	43.939	ng	99
18) Hexachloroethane	9.057	117	203858	50.466	ng	# 90
19) n-Nitroso-di-n-propyla...	8.810	70	403019	43.687	ng	96
20) 3+4-Methylphenols	8.763	107	546841	43.929	ng	99
22) Acetophenone	8.839	105	728420	46.435	ng	97
24) Nitrobenzene	9.233	77	585945	45.041	ng	97
25) Isophorone	9.745	82	1063199	48.113	ng	98
26) 2-Nitrophenol	9.933	139	258555	51.434	ng	96
27) 2,4-Dimethylphenol	9.975	122	404989	45.182	ng	99
28) bis(2-Chloroethoxy)met...	10.227	93	642955	45.923	ng	100
29) 2,4-Dichlorophenol	10.457	162	447784	57.445	ng	97
30) 1,2,4-Trichlorobenzene	10.663	180	475512	56.903	ng	97
31) Naphthalene	10.863	128	1465773	49.629	ng	100
32) Benzoic acid	10.116	122	360411	54.201	ng	98
33) 4-Chloroaniline	10.998	127	232499	18.131	ng	99
34) Hexachlorobutadiene	11.092	225	284631	62.944	ng	98
35) Caprolactam	11.827	113	148532	48.002	ng	92
36) 4-Chloro-3-methylphenol	12.098	107	493874	52.503	ng	98
37) 2-Methylnaphthalene	12.469	142	971293	48.854	ng	98
38) 1-Methylnaphthalene	12.686	142	946119	50.797	ng	98
40) 1,2,4,5-Tetrachloroben...	12.816	216	532529	55.446	ng	97
41) Hexachlorocyclopentadiene	12.763	237	358944	69.561	ng	99
43) 2,4,6-Trichlorophenol	13.069	196	351764	56.577	ng	97

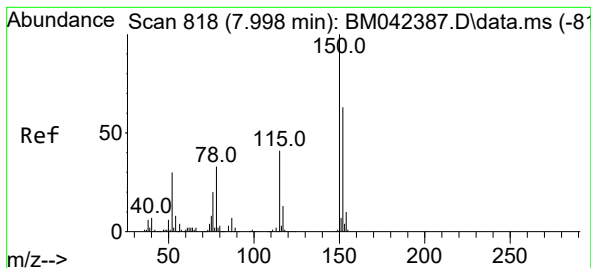
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102523\
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 QLast Update : Sat Oct 21 02:32:53 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.139	196	383541	52.184	ng	94
46) 1,1'-Biphenyl	13.474	154	1286815	48.825	ng	97
47) 2-Chloronaphthalene	13.521	162	971153	50.225	ng	98
48) 2-Nitroaniline	13.757	65	348936	41.388	ng	90
49) Acenaphthylene	14.368	152	1619694	51.886	ng	100
50) Dimethylphthalate	14.104	163	1189572	48.815	ng	99
51) 2,6-Dinitrotoluene	14.245	165	259553	47.222	ng	85
52) Acenaphthene	14.704	154	921426	48.824	ng	99
53) 3-Nitroaniline	14.580	138	195497	31.191	ng	98
54) 2,4-Dinitrophenol	14.786	184	237922	70.848	ng	92
55) Dibenzofuran	15.033	168	1481442	49.630	ng	97
56) 4-Nitrophenol	14.874	139	506878	102.129	ng	93
57) 2,4-Dinitrotoluene	15.027	165	354258	48.127	ng	85
58) Fluorene	15.686	166	1193594	50.673	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.251	232	336276	60.904	ng	89
60) Diethylphthalate	15.445	149	1190182	49.492	ng	98
61) 4-Chlorophenyl-phenyle...	15.674	204	602601	54.323	ng	92
62) 4-Nitroaniline	15.745	138	263984	42.628	ng	96
63) Azobenzene	15.968	77	1312967	45.508	ng	94
65) 4,6-Dinitro-2-methylph...	15.774	198	158300	36.731	ng	83
66) n-Nitrosodiphenylamine	15.898	169	1014067	47.678	ng	99
67) 4-Bromophenyl-phenylether	16.568	248	317613	48.529	ng	95
68) Hexachlorobenzene	16.657	284	418610	59.838	ng	# 91
69) Atrazine	16.845	200	373641	69.274	ng	99
70) Pentachlorophenol	17.015	266	604767	101.790	ng	99
71) Phenanthrene	17.433	178	1932714	50.311	ng	100
72) Anthracene	17.521	178	1906997	50.124	ng	99
73) Carbazole	17.809	167	1770811	49.614	ng	99
74) Di-n-butylphthalate	18.327	149	2207020	48.784	ng	99
75) Fluoranthene	19.439	202	2407698	56.908	ng	98
77) Benzidine	19.650	184	1230299	125.672	ng	99
78) Pyrene	19.809	202	2477719	52.387	ng	99
80) Butylbenzylphthalate	20.686	149	1061148	49.394	ng	90
81) Benzo(a)anthracene	21.550	228	2379310	52.439	ng	100
82) 3,3'-Dichlorobenzidine	21.491	252	744799	54.988	ng	# 97
83) Chrysene	21.609	228	2142517	49.164	ng	100
84) Bis(2-ethylhexyl)phtha...	21.427	149	1560981	50.990	ng	# 96
85) Di-n-octyl phthalate	22.374	149	2722203	51.486	ng	95
87) Indeno(1,2,3-cd)pyrene	26.615	276	2538807	46.876	ng	94
88) Benzo(b)fluoranthene	23.315	252	2114375	47.398	ng	98
89) Benzo(k)fluoranthene	23.315	252	2114375	45.653	ng	98
90) Benzo(a)pyrene	23.921	252	1986036	46.255	ng	97
91) Dibenzo(a,h)anthracene	26.632	278	2090143	46.417	ng	# 95
92) Benzo(g,h,i)perylene	27.421	276	2015981	46.100	ng	94

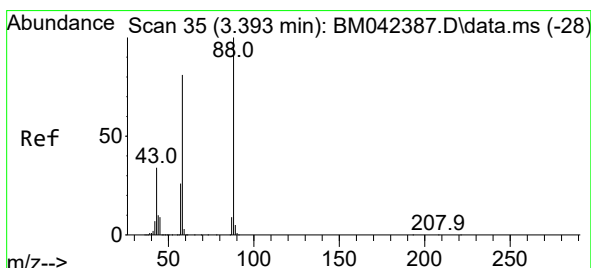
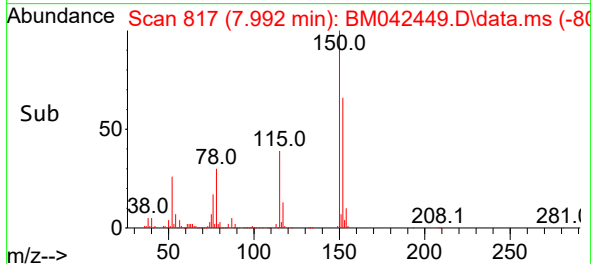
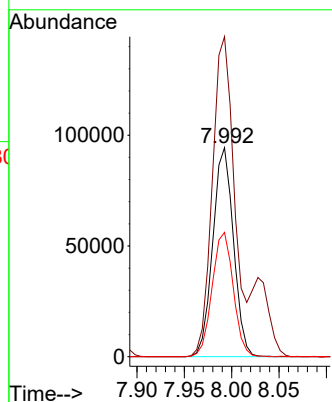
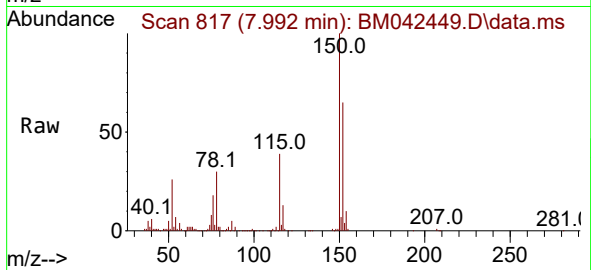
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.992 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BM042449.D
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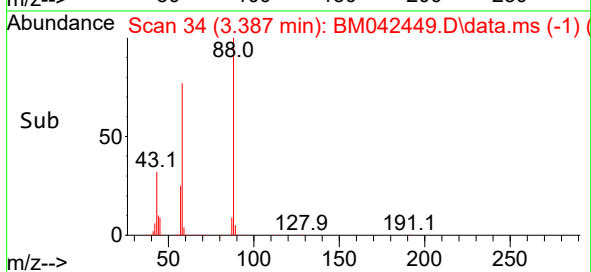
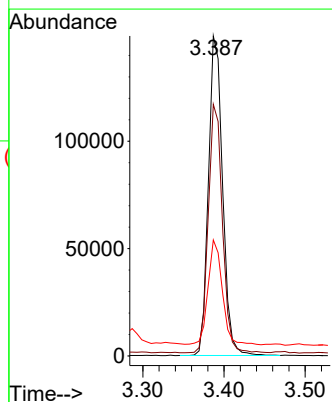
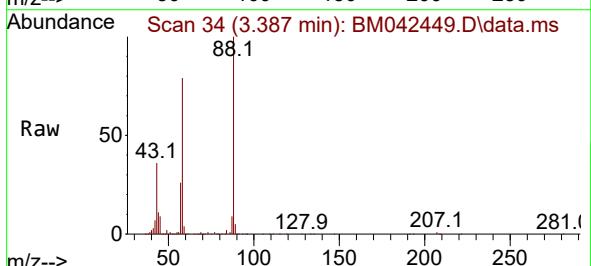
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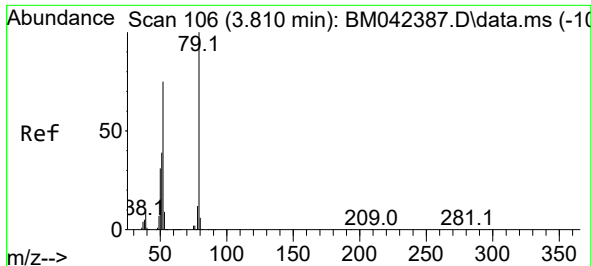
Tgt Ion:152 Resp: 143545
 Ion Ratio Lower Upper
 152 100
 150 153.1 126.2 189.4
 115 59.5 51.9 77.9



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

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

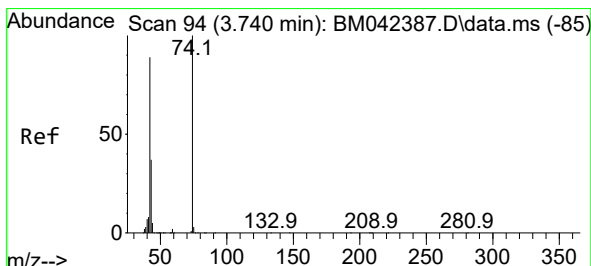
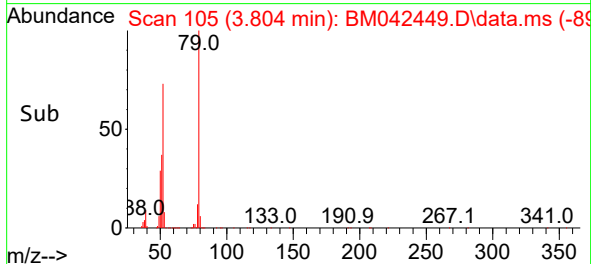
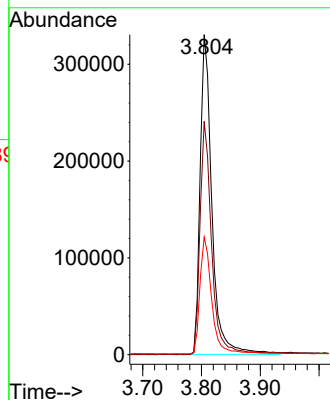
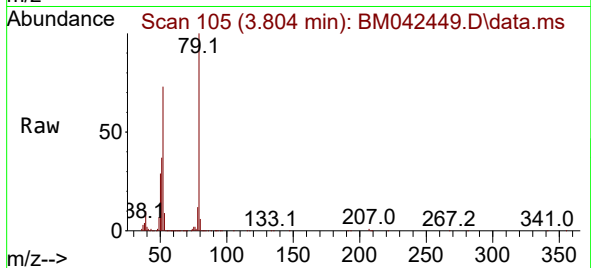




#3
Pyridine
Concen: 32.811 ng
RT: 3.804 min Scan# 106
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

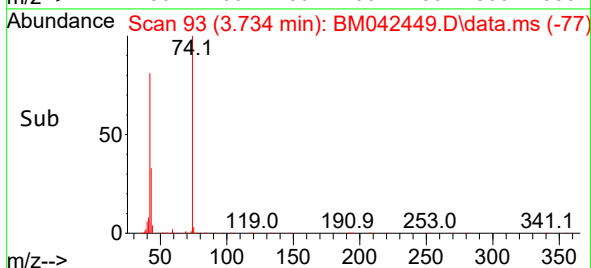
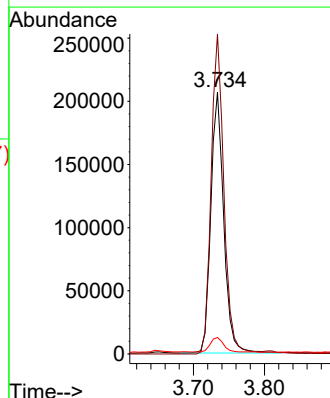
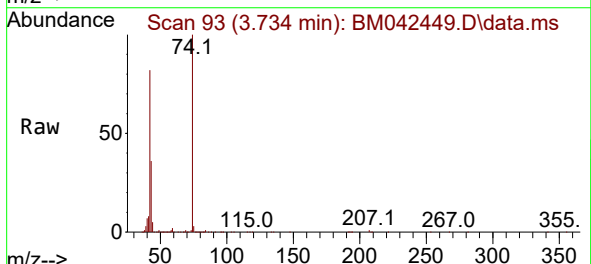
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ClientSampleId :
TRENCHWAY-SOIL-PILEMSD

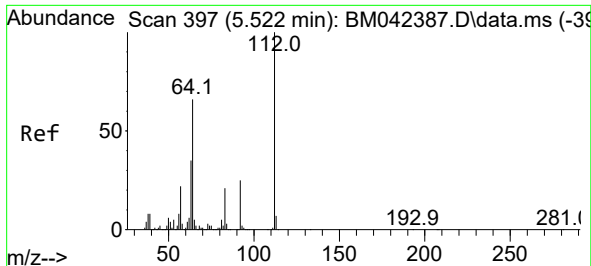
Tgt Ion: 79 Resp: 460399
Ion Ratio Lower Upper
79 100
52 72.9 60.3 90.5
51 36.8 32.0 48.0



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

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

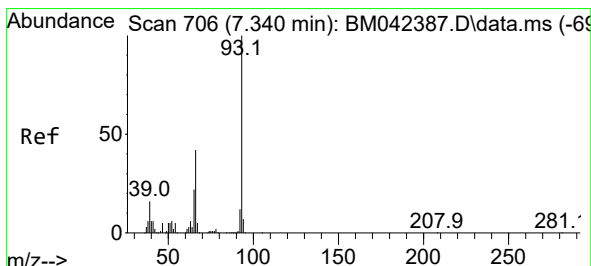
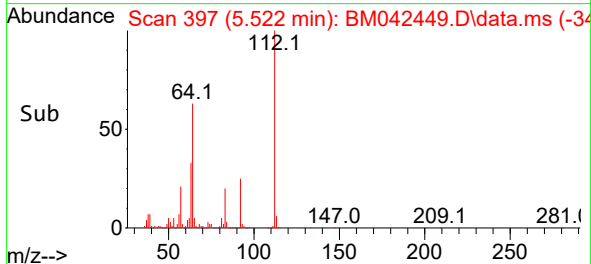
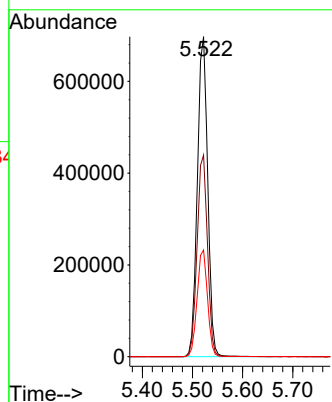
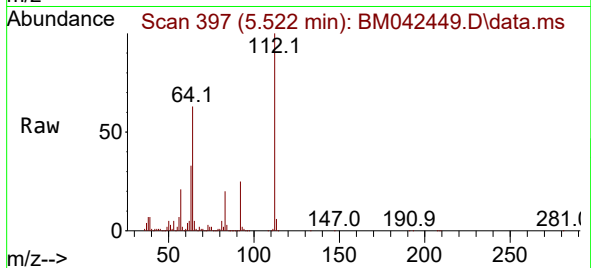




#5
2-Fluorophenol
Concen: 98.242 ng
RT: 5.522 min Scan# 397
Delta R.T. -0.000 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

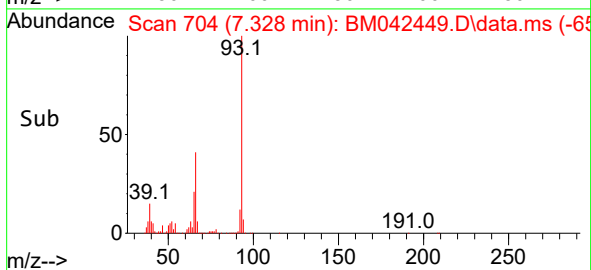
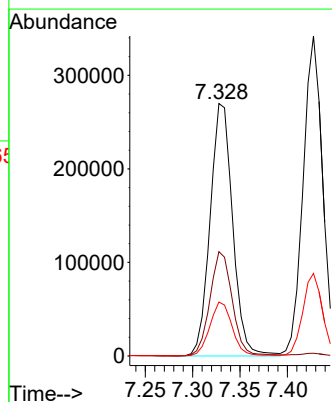
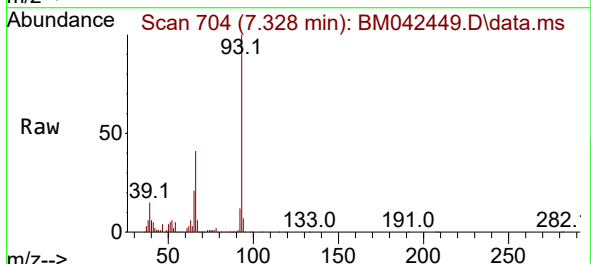
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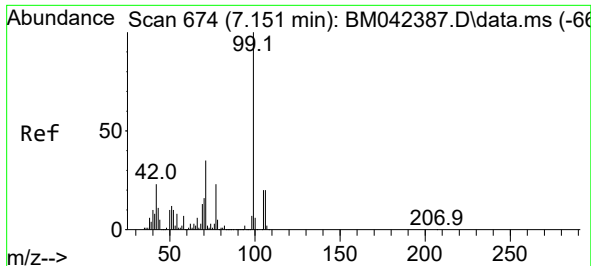
Tgt Ion:112 Resp: 997805
Ion Ratio Lower Upper
112 100
64 63.0 52.7 79.1
63 33.3 28.3 42.5



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

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

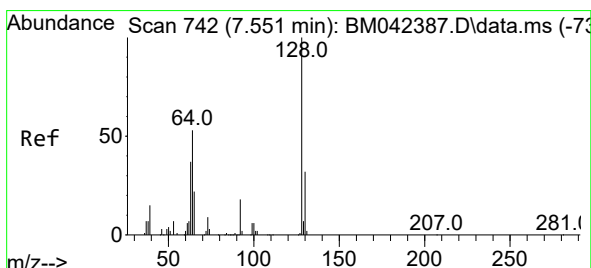
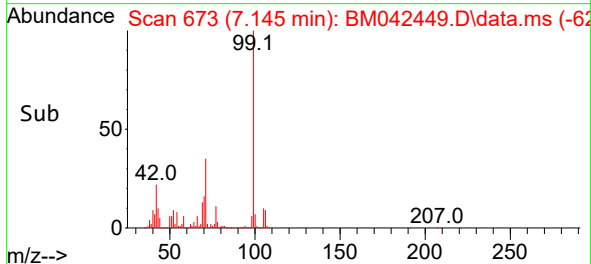
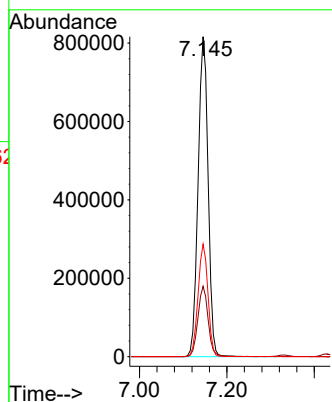
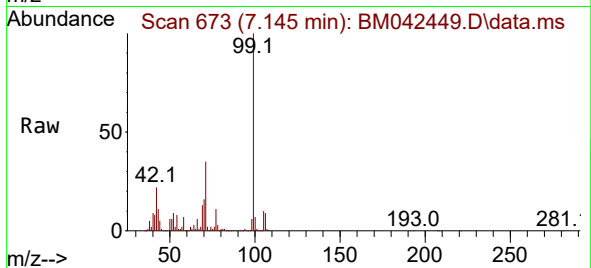




#7
Phenol-d6
Concen: 95.498 ng
RT: 7.145 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

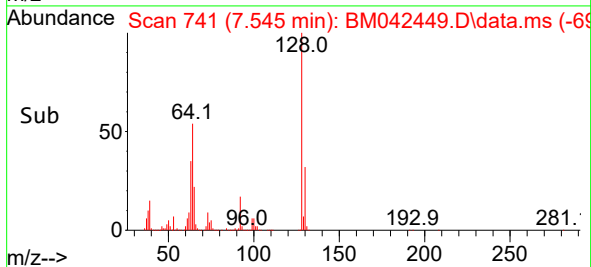
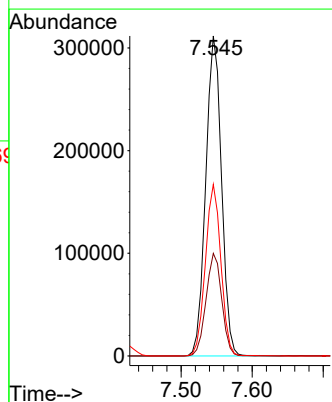
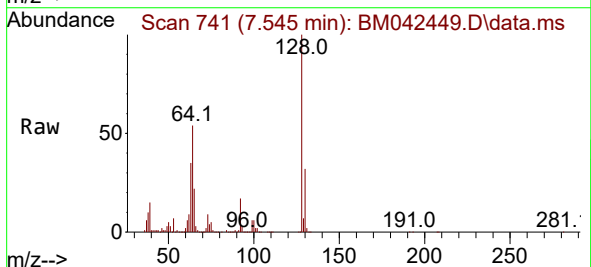
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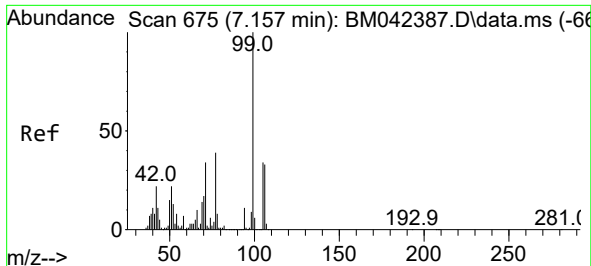
Tgt Ion: 99 Resp: 1299832
Ion Ratio Lower Upper
99 100
42 22.0 18.5 27.7
71 35.2 27.7 41.5



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

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

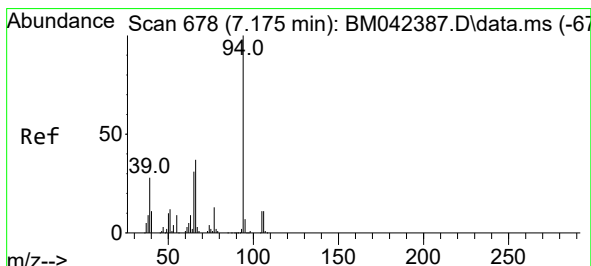
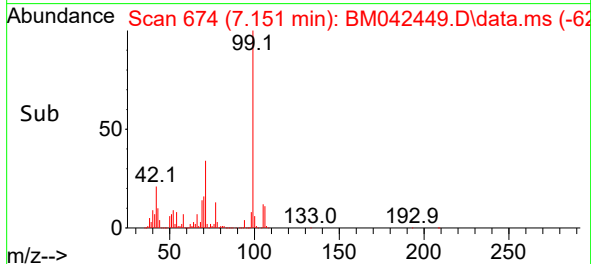
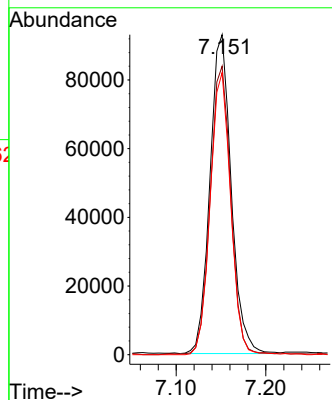
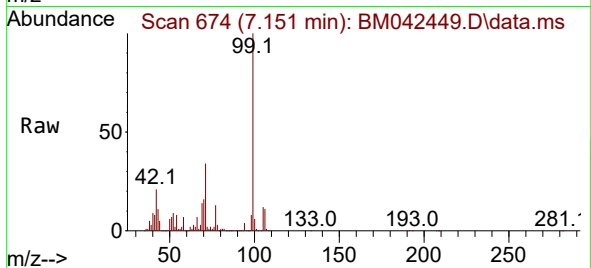




#9
Benzaldehyde
Concen: 19.295 ng
RT: 7.151 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

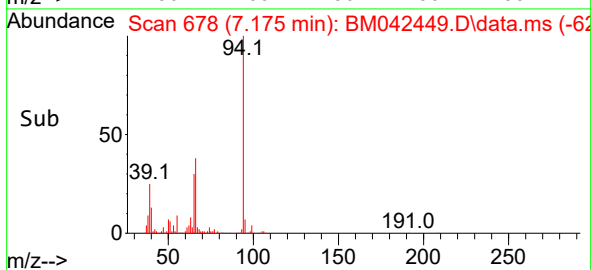
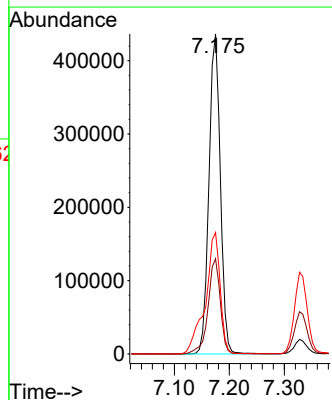
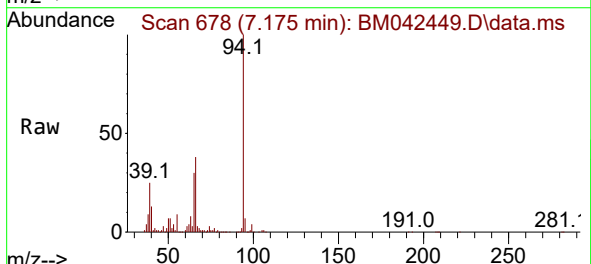
Instrument :
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ClientSampleId :
TRENCHWAY-SOIL-PILEMSD

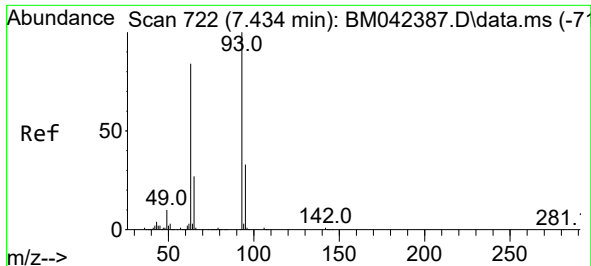
Tgt Ion: 77 Resp: 152962
Ion Ratio Lower Upper
77 100
105 90.2 68.7 108.7
106 88.1 65.8 105.8



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

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

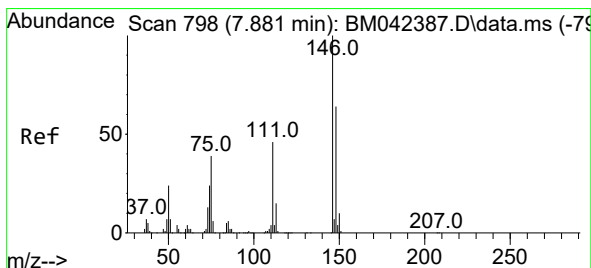
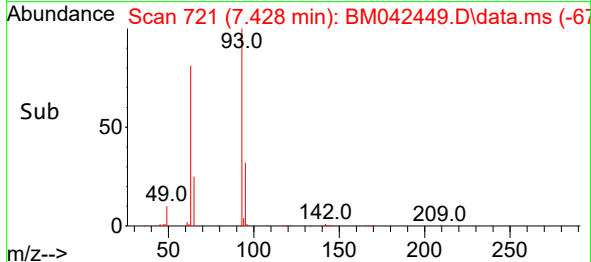
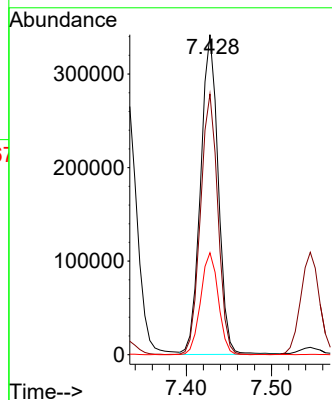
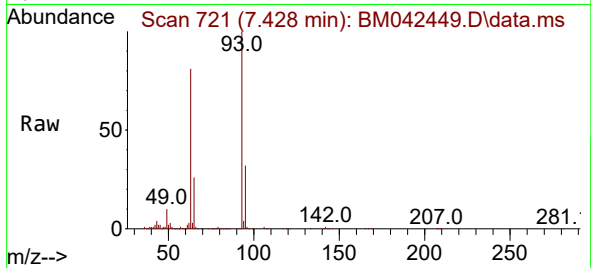




#11
bis(2-Chloroethyl)ether
Concen: 42.492 ng
RT: 7.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

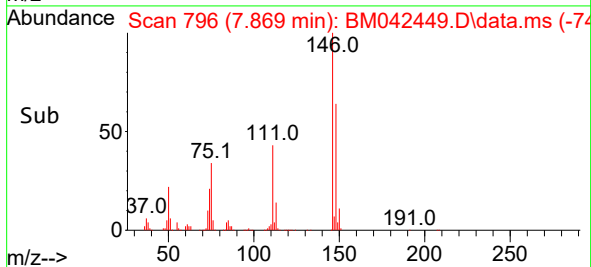
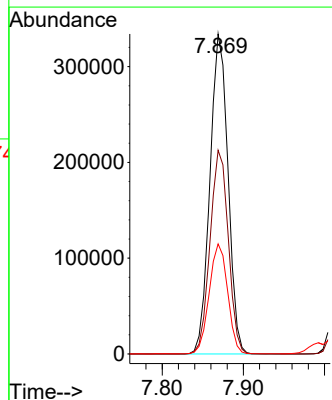
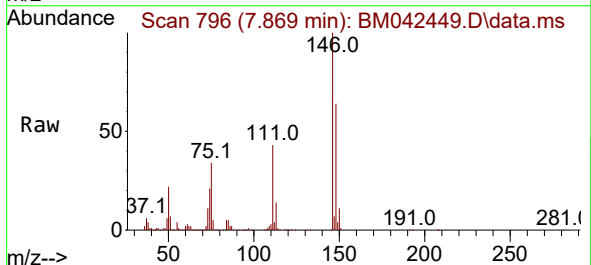
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD

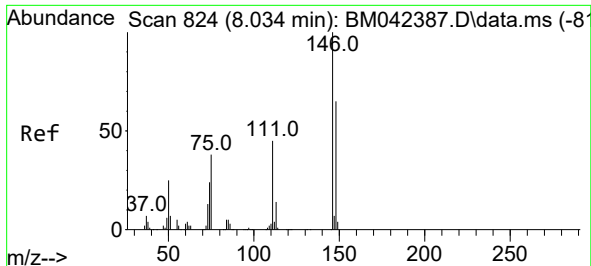
Tgt Ion: 93 Resp: 490660
Ion Ratio Lower Upper
93 100
63 81.5 64.2 104.2
95 31.9 12.6 52.6



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

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

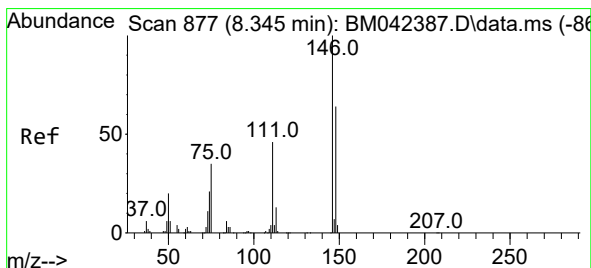
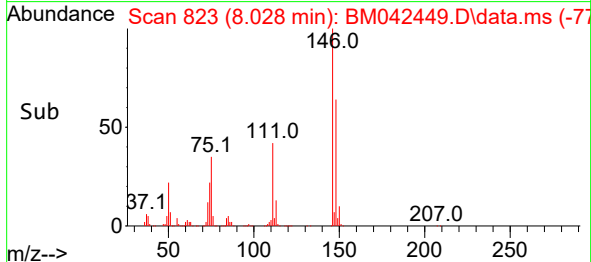
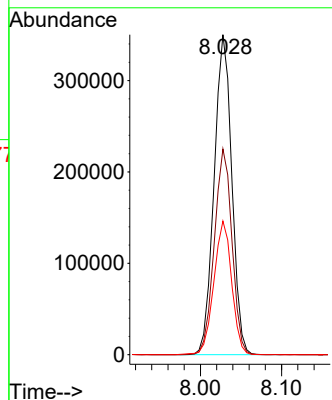
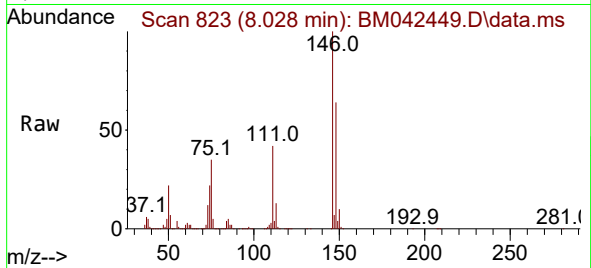




#13
1,4-Dichlorobenzene
Concen: 50.542 ng
RT: 8.028 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

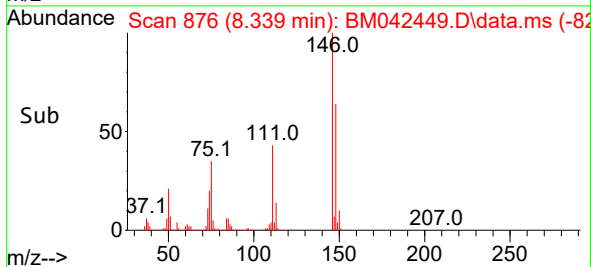
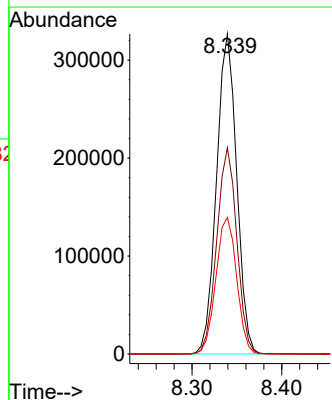
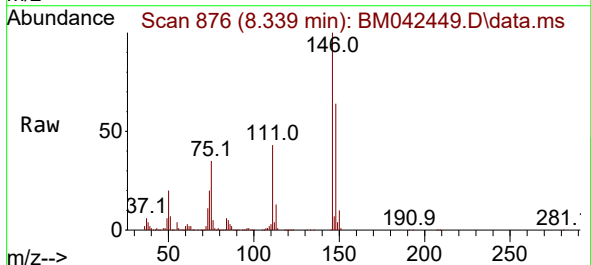
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD

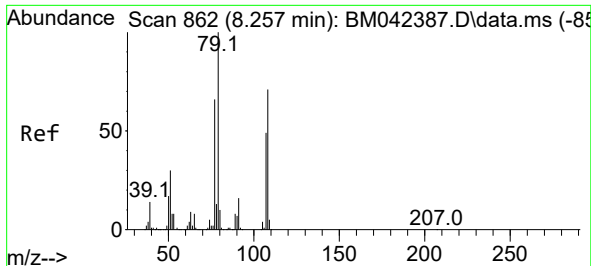
Tgt Ion:146 Resp: 530341
Ion Ratio Lower Upper
146 100
148 64.3 51.8 77.6
111 41.8 35.9 53.9



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

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

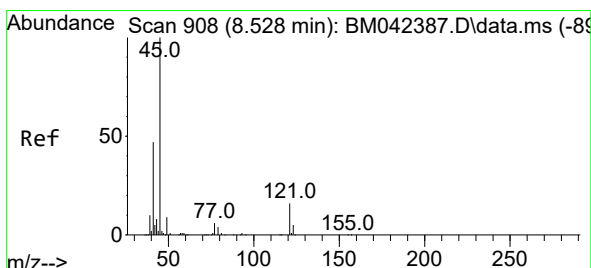
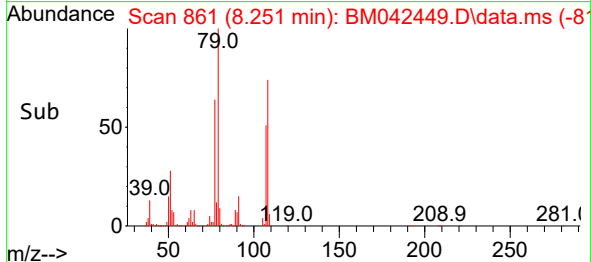
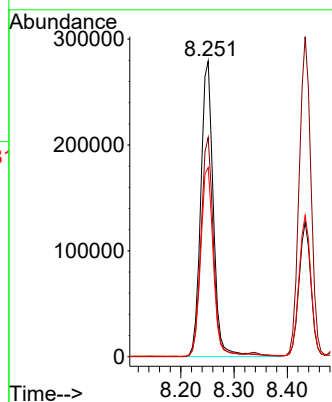
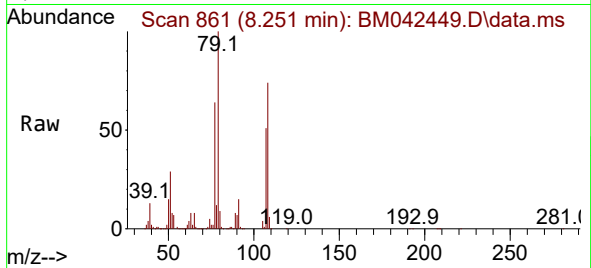




#15
Benzyl Alcohol
Concen: 45.264 ng
RT: 8.251 min Scan# 861
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

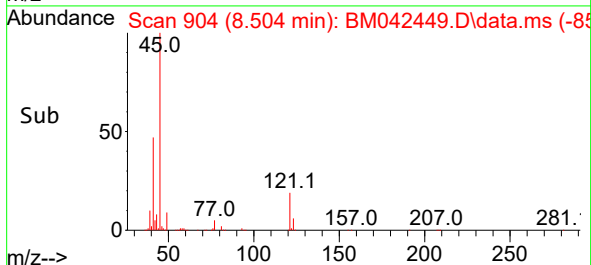
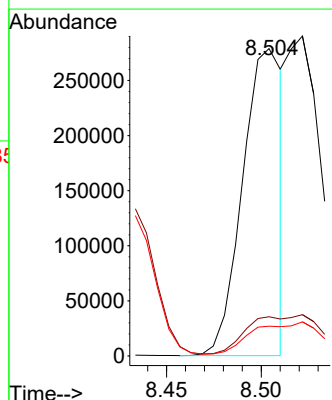
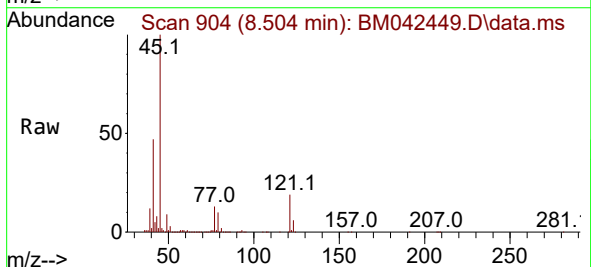
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD

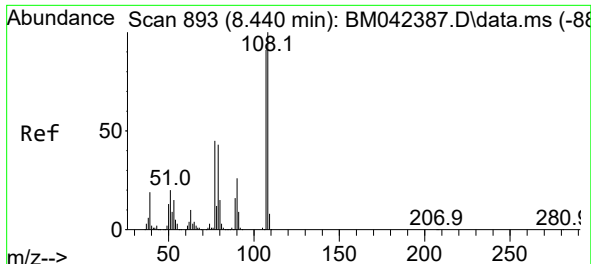
Tgt Ion: 79 Resp: 456705
Ion Ratio Lower Upper
79 100
108 74.1 57.1 85.7
77 63.9 52.9 79.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 22.203 ng
RT: 8.504 min Scan# 904
Delta R.T. -0.024 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

Tgt Ion: 45 Resp: 405661
Ion Ratio Lower Upper
45 100
77 12.7 0.0 32.2
79 9.7 0.0 30.4

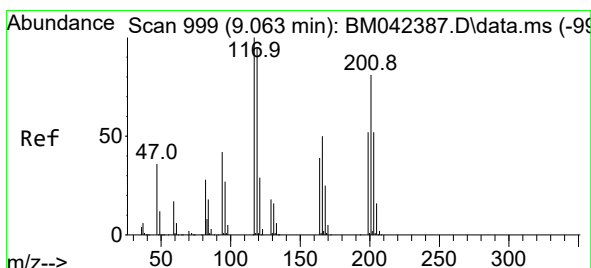
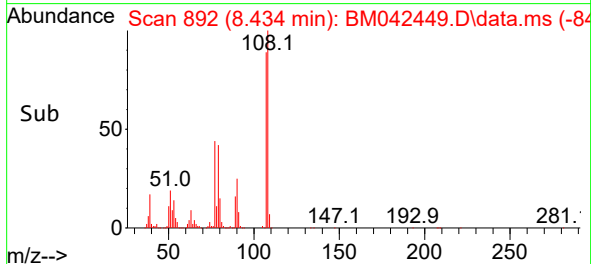
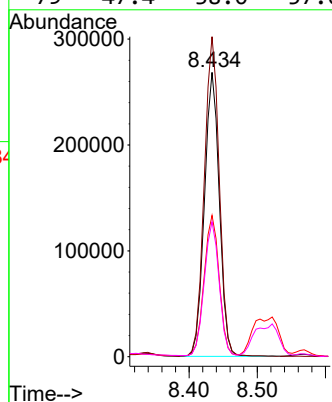
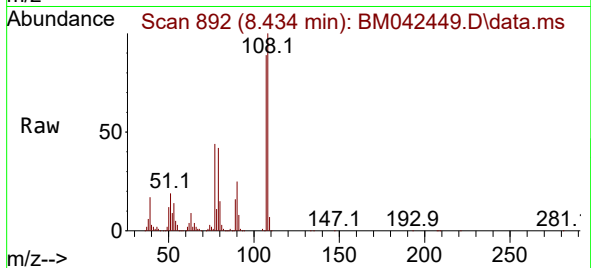




#17
2-Methylphenol
Concen: 43.939 ng
RT: 8.434 min Scan# 893
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

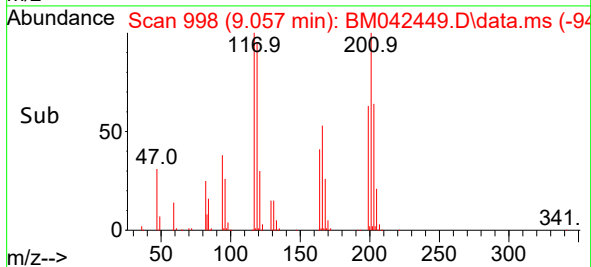
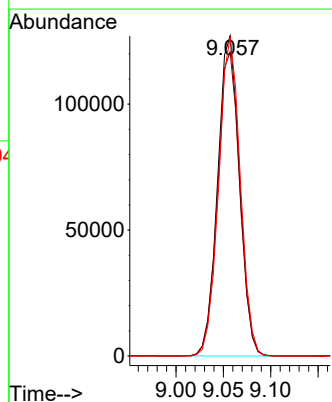
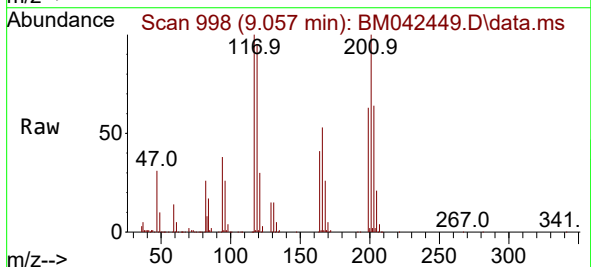
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD

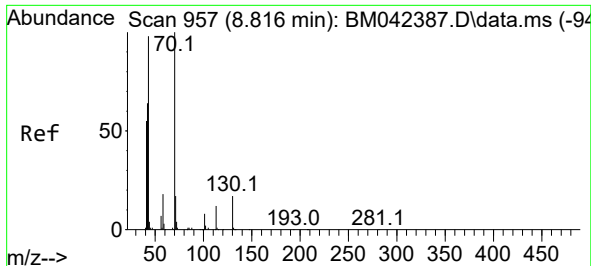
Tgt Ion:	107	Resp:	407793
Ion	Ratio	Lower	Upper
107	100		
108	112.5	88.2	132.4
77	49.7	40.1	60.1
79	47.4	38.0	57.0



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

Tgt Ion:	117	Resp:	203858
Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.9	113.9
201	99.5	64.6	97.0

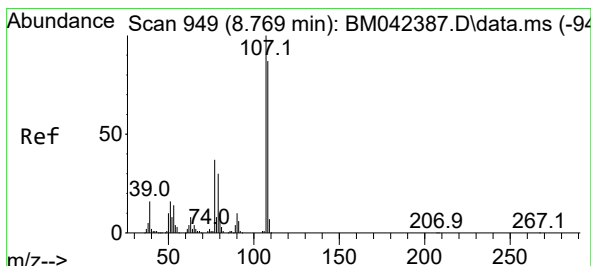
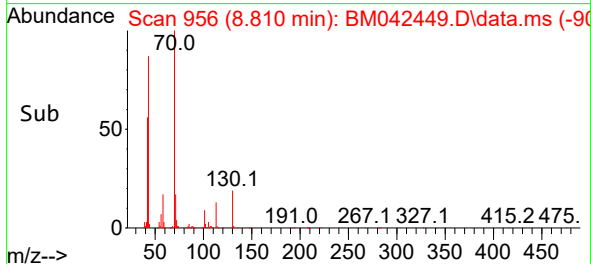
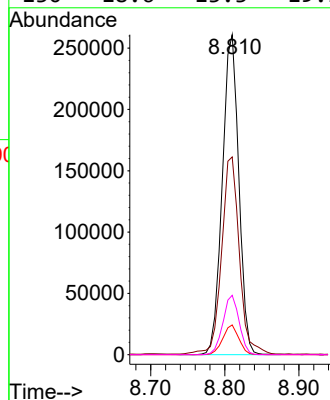
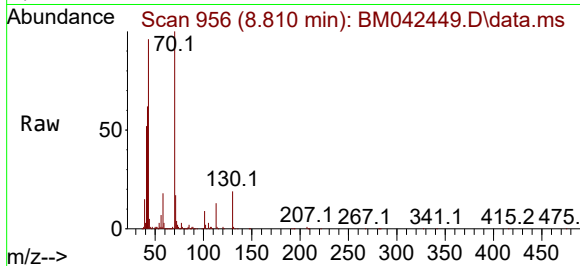




#19
n-Nitroso-di-n-propylamine
Concen: 43.687 ng
RT: 8.810 min Scan# 910
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

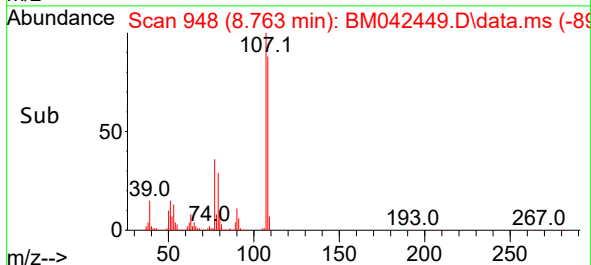
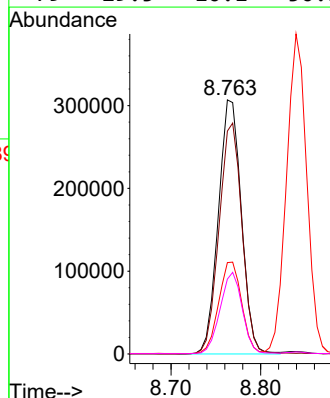
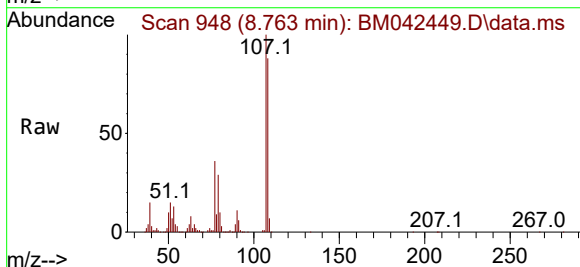
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD

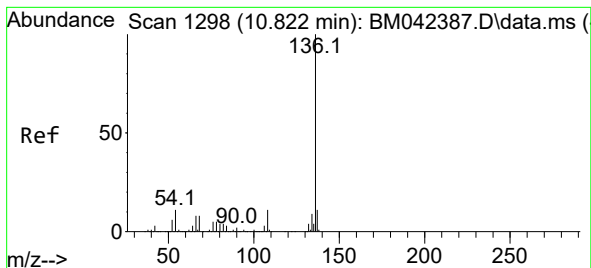
Tgt Ion: 70 Resp: 403019
Ion Ratio Lower Upper
70 100
42 61.8 52.1 78.1
101 9.3 6.5 9.7
130 18.6 13.3 19.9



#20
3+4-Methylphenols
Concen: 43.929 ng
RT: 8.763 min Scan# 948
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

Tgt Ion: 107 Resp: 546841
Ion Ratio Lower Upper
107 100
108 87.7 67.2 107.2
77 36.0 16.8 56.8
79 29.5 10.1 50.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.816 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD

Tgt Ion:136 Resp: 575000

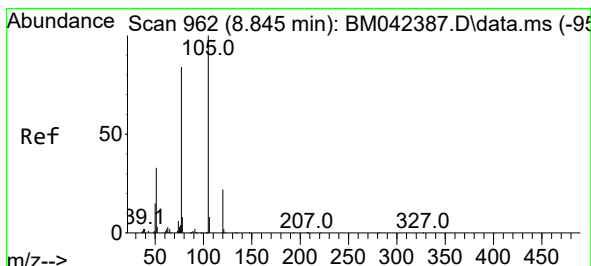
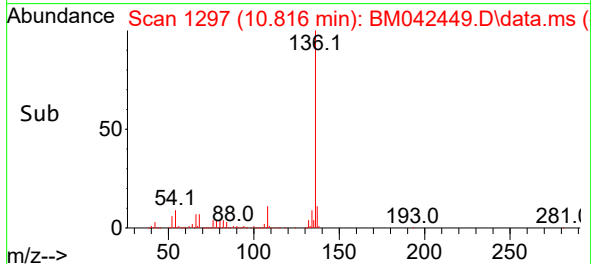
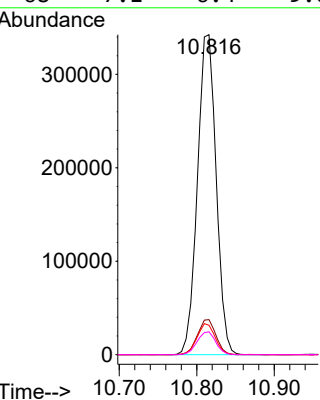
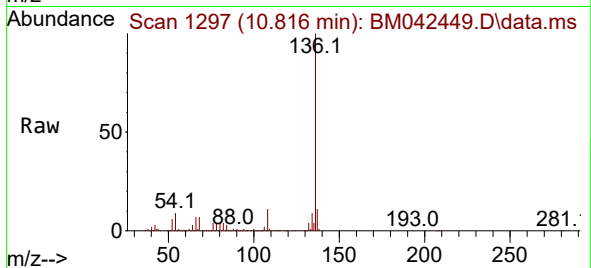
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 9.2 8.6 12.8

68 7.1 6.4 9.6



#22

Acetophenone

Concen: 46.435 ng

RT: 8.839 min Scan# 961

Delta R.T. -0.006 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Tgt Ion:105 Resp: 728420

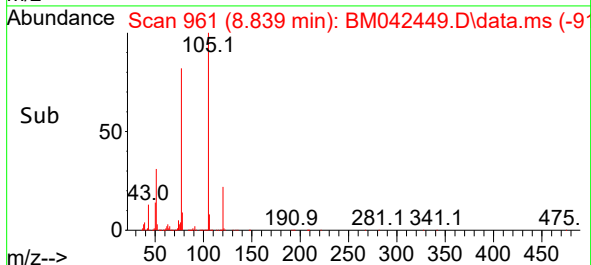
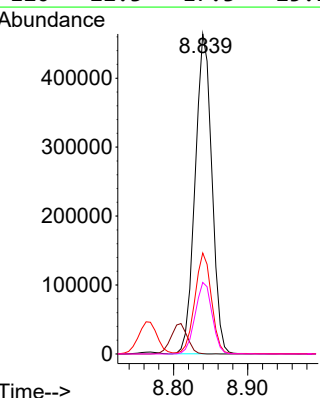
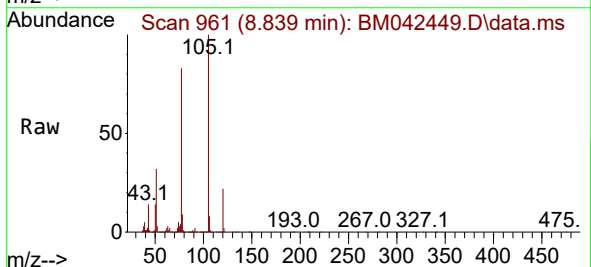
Ion Ratio Lower Upper

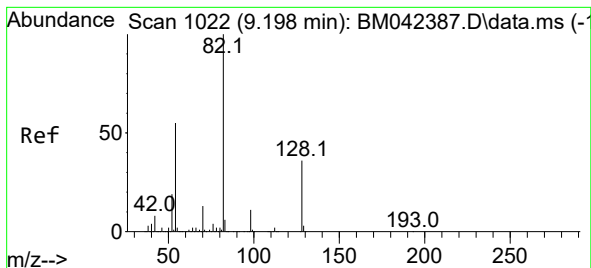
105 100

71 0.1 0.1 0.1

51 31.5 27.1 40.7

120 22.3 17.3 25.9





#23

Nitrobenzene-d5

Concen: 66.780 ng

RT: 9.192 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD

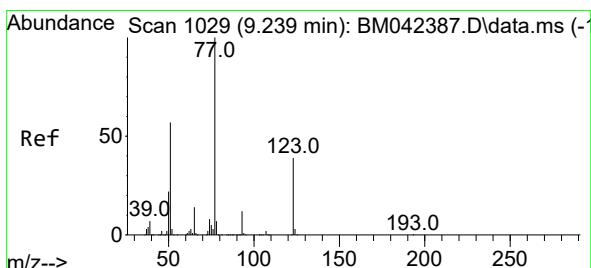
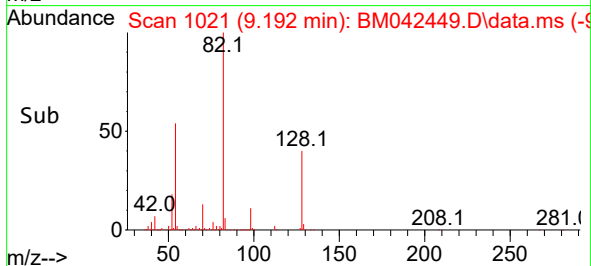
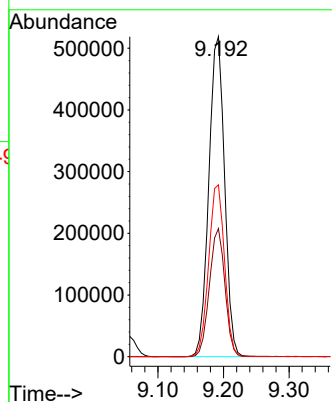
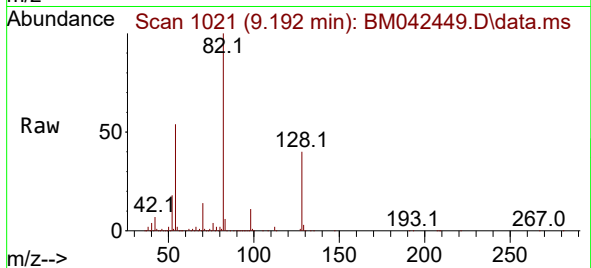
Tgt Ion: 82 Resp: 868355

Ion Ratio Lower Upper

82 100

128 40.1 29.0 43.6

54 53.7 43.7 65.5



#24

Nitrobenzene

Concen: 45.041 ng

RT: 9.233 min Scan# 1028

Delta R.T. -0.006 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

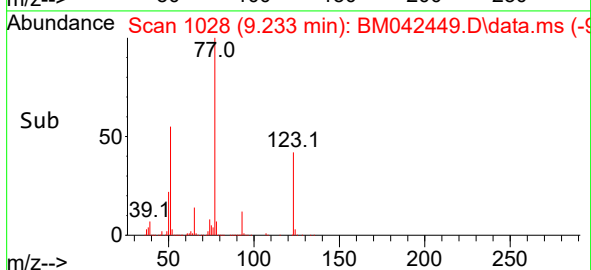
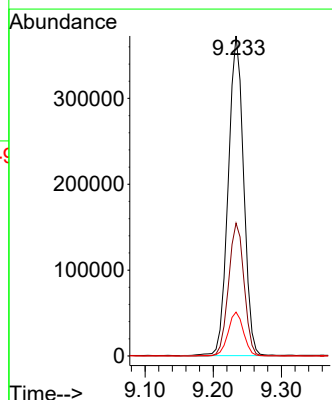
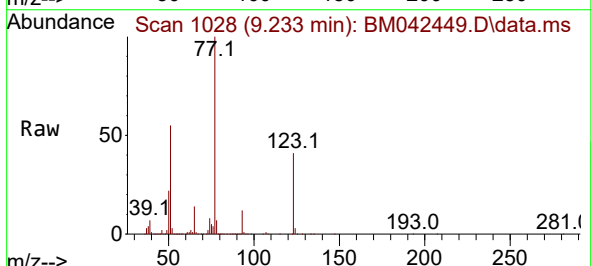
Tgt Ion: 77 Resp: 585945

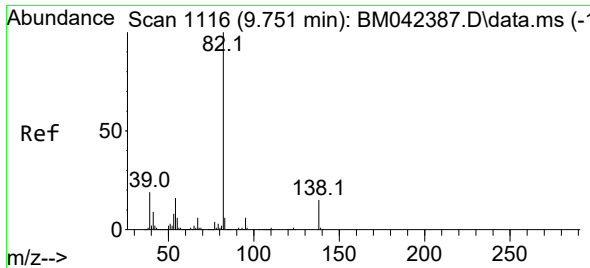
Ion Ratio Lower Upper

77 100

123 41.5 31.2 46.8

65 13.7 11.4 17.0

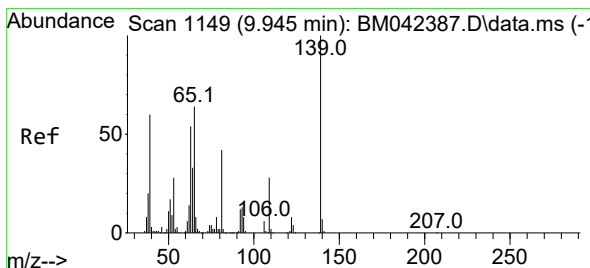
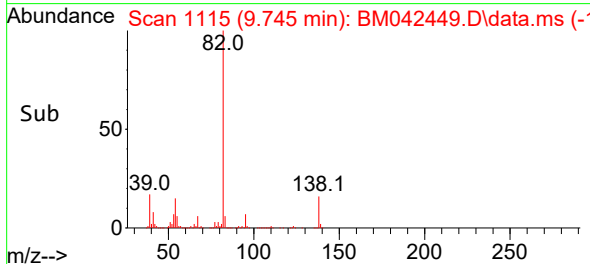
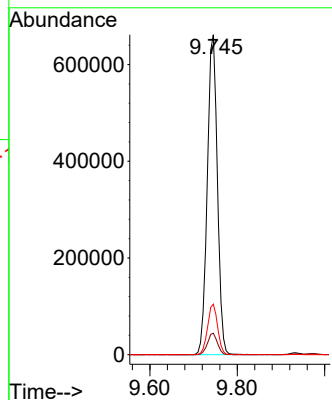
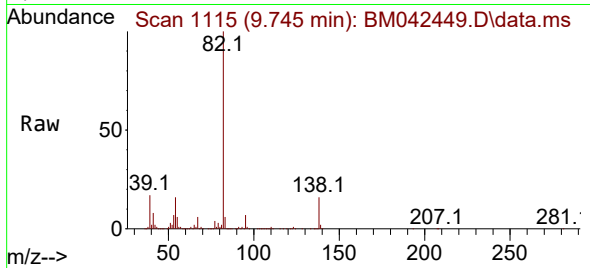




#25
Isophorone
Concen: 48.113 ng
RT: 9.745 min Scan# 1116
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

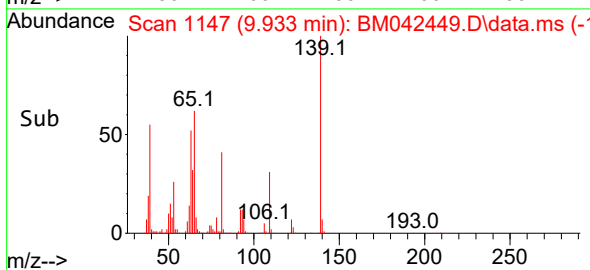
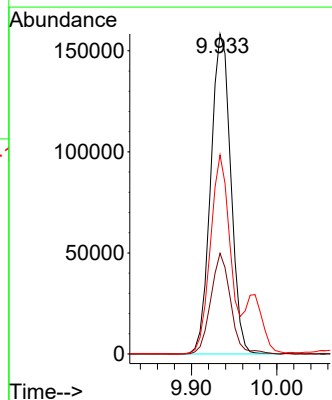
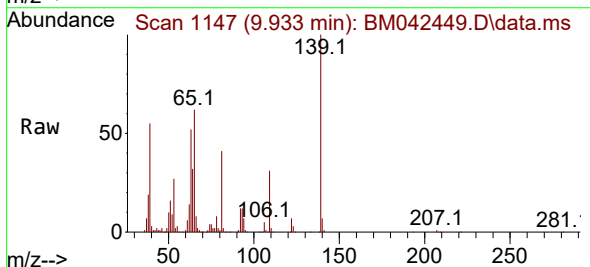
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD

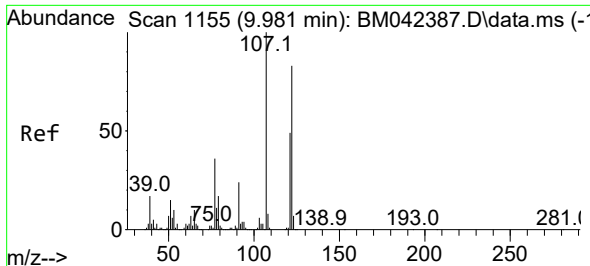
Tgt Ion: 82 Resp: 1063199
Ion Ratio Lower Upper
82 100
95 6.7 5.1 7.7
138 15.8 11.8 17.6



#26
2-Nitrophenol
Concen: 51.434 ng
RT: 9.933 min Scan# 1147
Delta R.T. -0.012 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

Tgt Ion:139 Resp: 258555
Ion Ratio Lower Upper
139 100
109 31.4 22.3 33.5
65 62.2 51.1 76.7





#27

2,4-Dimethylphenol

Concen: 45.182 ng

RT: 9.975 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD

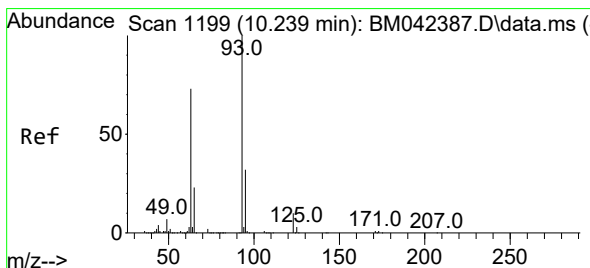
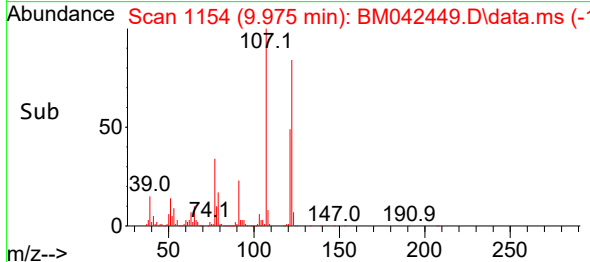
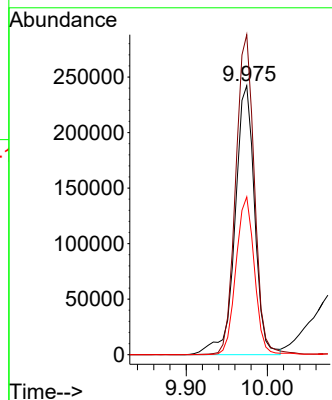
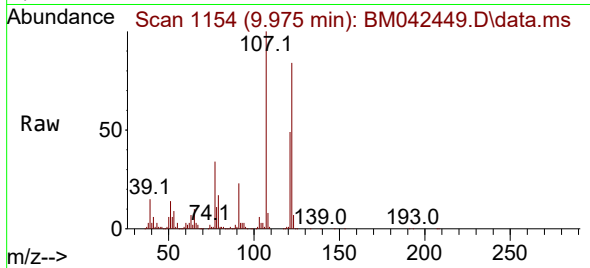
Tgt Ion:122 Resp: 404989

Ion Ratio Lower Upper

122 100

107 119.0 96.3 144.5

121 58.7 47.0 70.6



#28

bis(2-Chloroethoxy)methane

Concen: 45.923 ng

RT: 10.227 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

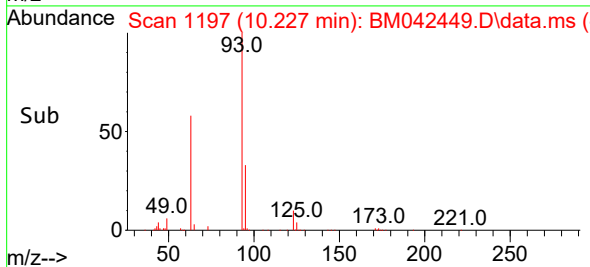
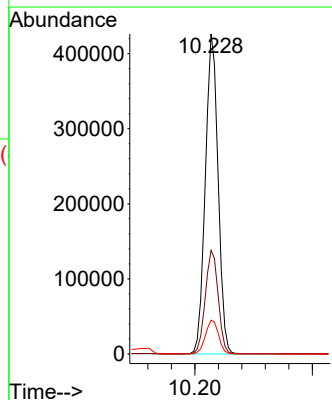
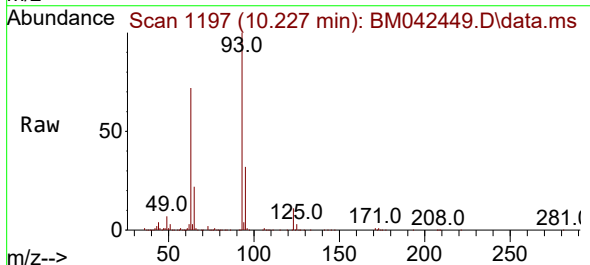
Tgt Ion: 93 Resp: 642955

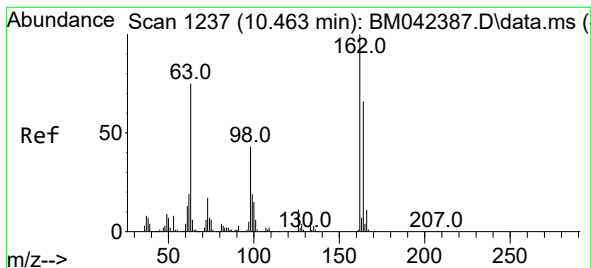
Ion Ratio Lower Upper

93 100

95 32.4 25.8 38.6

123 10.6 8.2 12.2





#29

2,4-Dichlorophenol

Concen: 57.445 ng

RT: 10.457 min Scan# 1236

Delta R.T. -0.006 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD

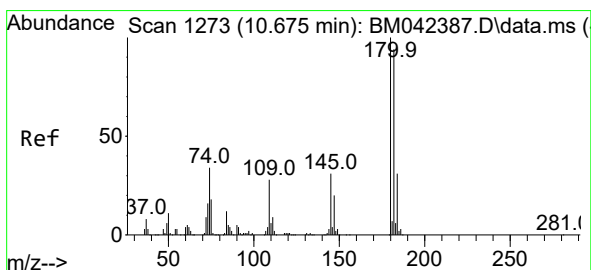
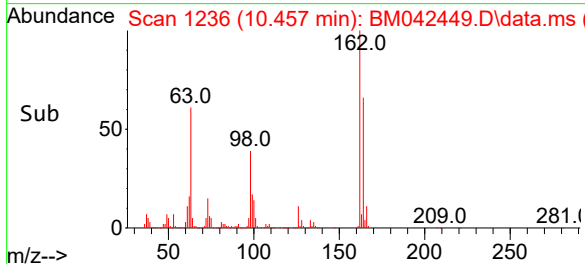
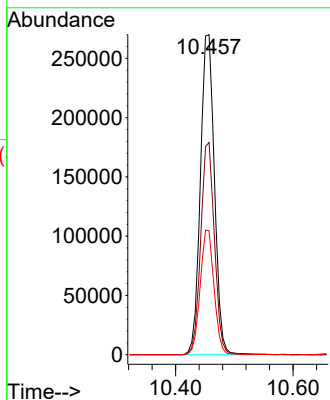
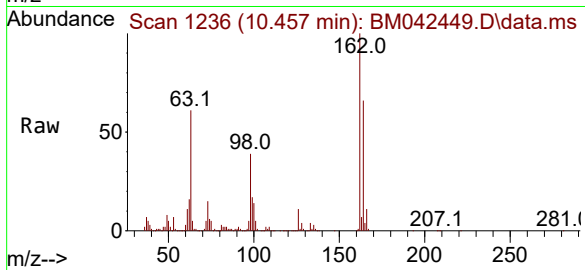
Tgt Ion:162 Resp: 447784

Ion Ratio Lower Upper

162 100

164 66.3 45.9 85.9

98 38.8 23.4 63.4



#30

1,2,4-Trichlorobenzene

Concen: 56.903 ng

RT: 10.663 min Scan# 1271

Delta R.T. -0.012 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

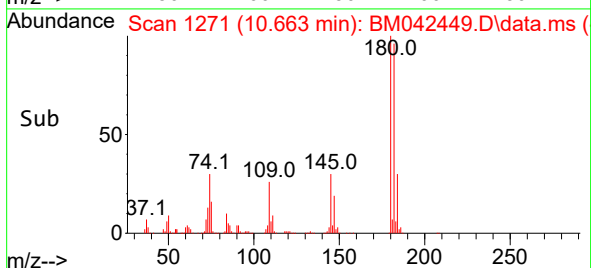
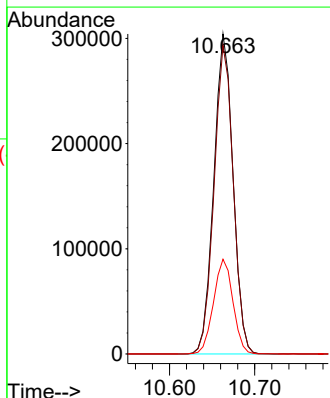
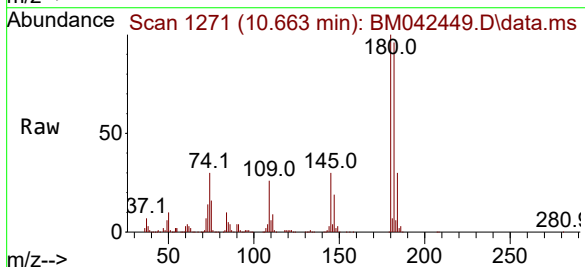
Tgt Ion:180 Resp: 475512

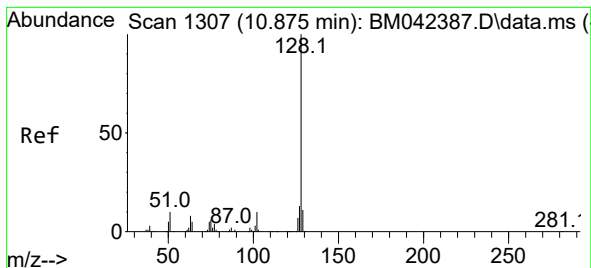
Ion Ratio Lower Upper

180 100

182 96.4 75.0 112.4

145 29.6 24.6 36.8

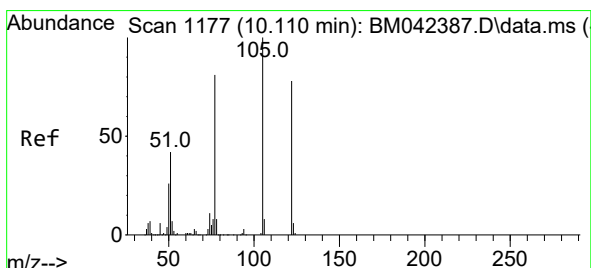
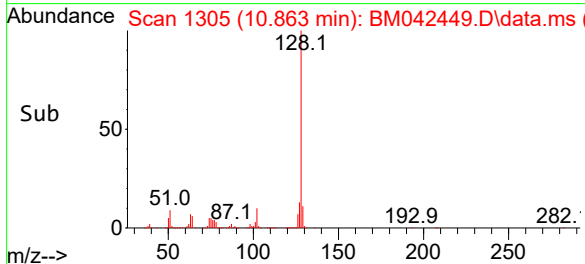
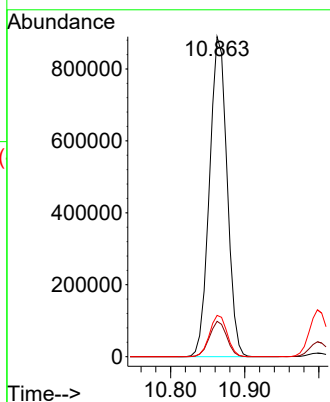
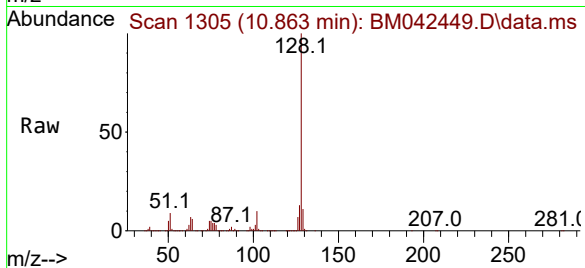




#31
Naphthalene
Concen: 49.629 ng
RT: 10.863 min Scan# 1178
Delta R.T. -0.012 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

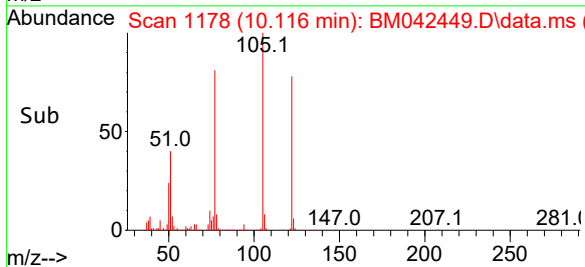
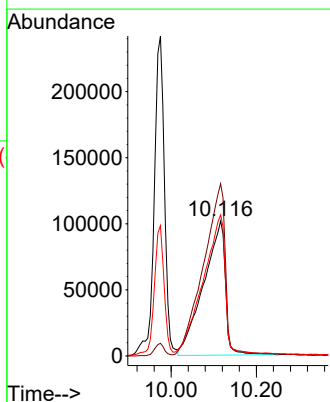
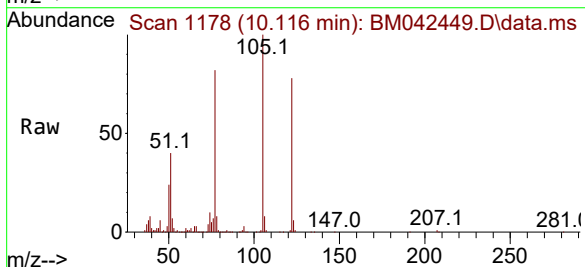
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD

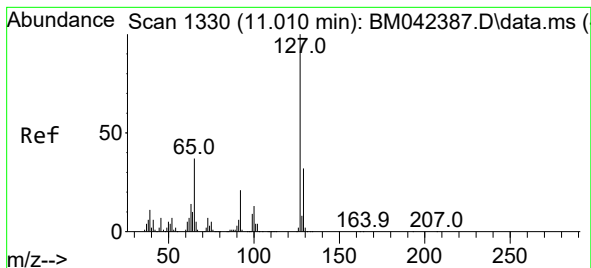
Tgt Ion:128 Resp: 1465773
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 12.9 10.4 15.6



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

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





#33

4-Chloroaniline

Concen: 18.131 ng

RT: 10.998 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD

Tgt Ion:127 Resp: 232499

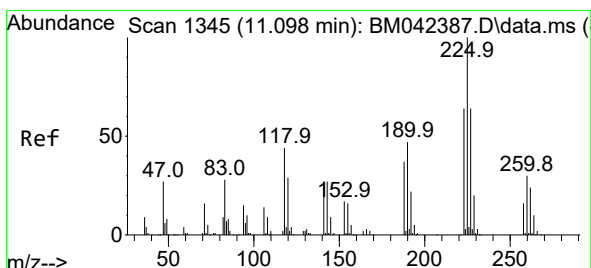
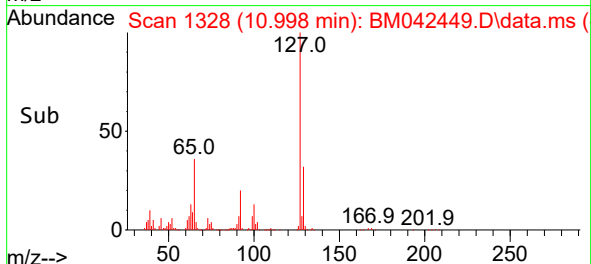
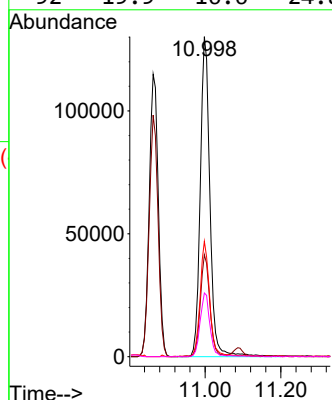
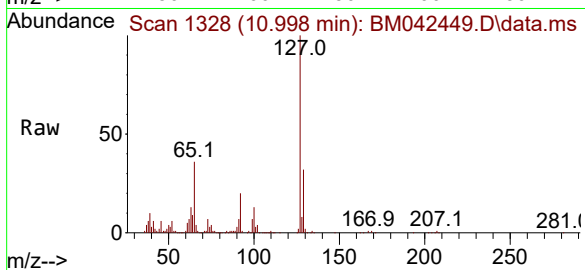
Ion Ratio Lower Upper

127 100

129 31.8 25.3 37.9

65 36.1 29.6 44.4

92 19.9 16.6 24.8



#34

Hexachlorobutadiene

Concen: 62.944 ng

RT: 11.092 min Scan# 1344

Delta R.T. -0.006 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

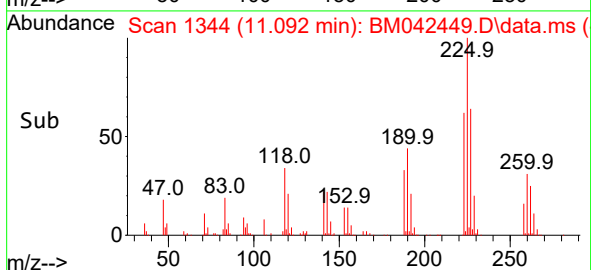
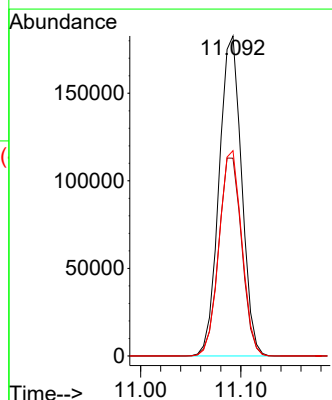
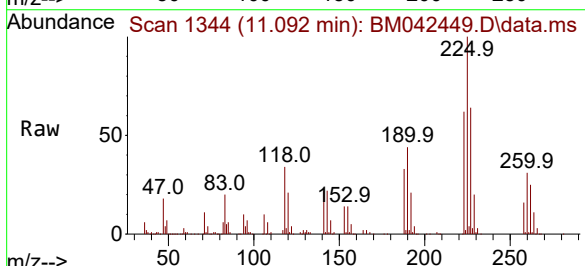
Tgt Ion:225 Resp: 284631

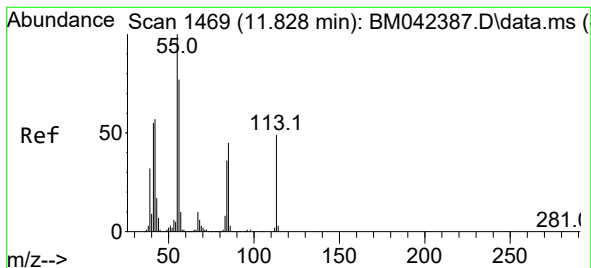
Ion Ratio Lower Upper

225 100

223 61.8 51.5 77.3

227 64.1 51.3 76.9

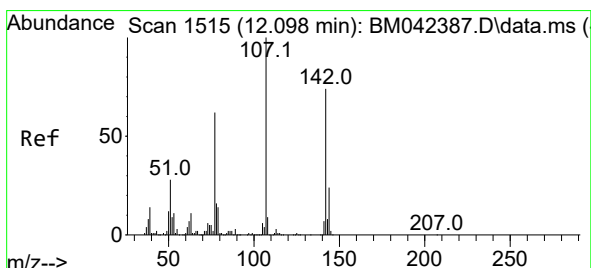
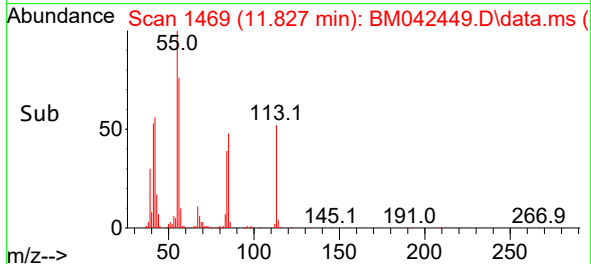
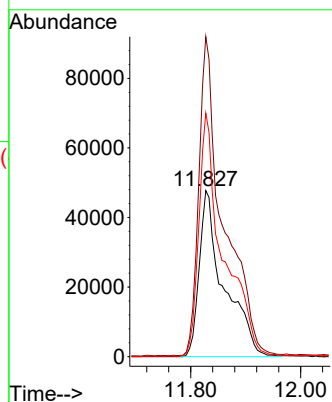
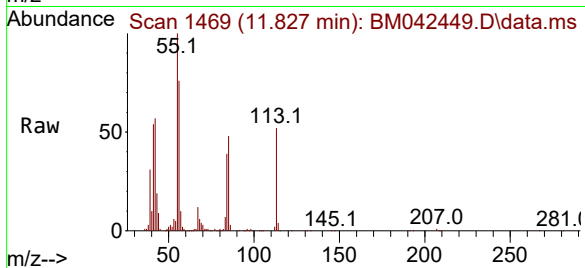




#35
Caprolactam
Concen: 48.002 ng
RT: 11.827 min Scan# 1469
Delta R.T. -0.001 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

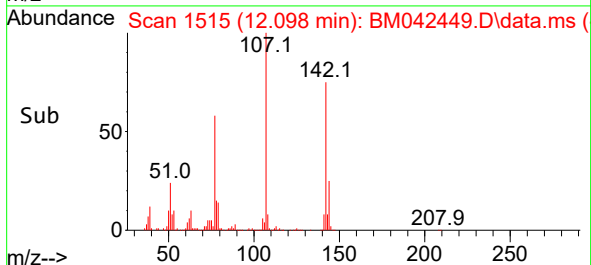
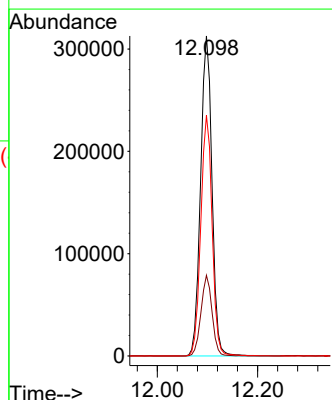
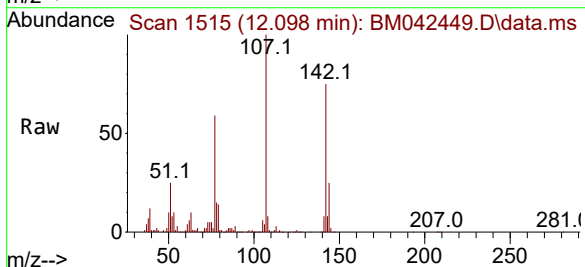
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD

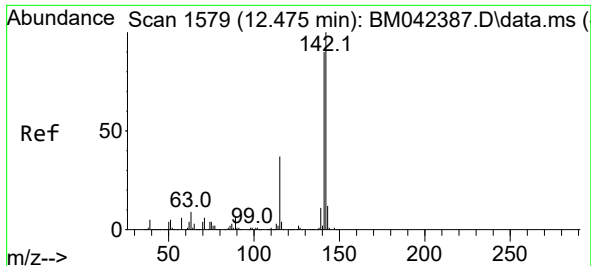
Tgt Ion:113 Resp: 148532
Ion Ratio Lower Upper
113 100
55 192.8 185.6 225.6
56 146.8 137.8 177.8



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

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





#37

2-Methylnaphthalene

Concen: 48.854 ng

RT: 12.469 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD

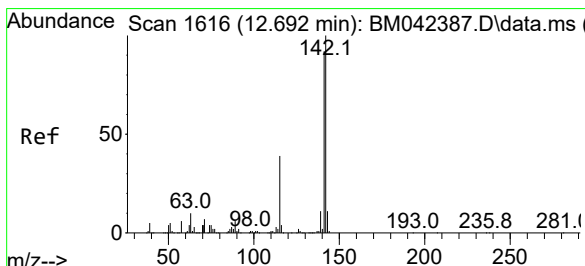
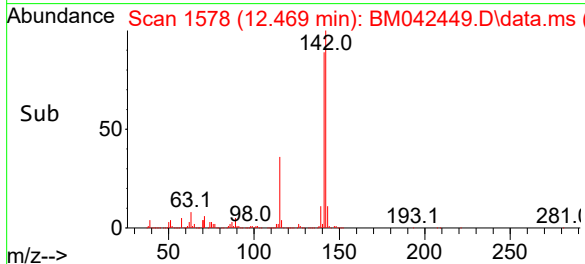
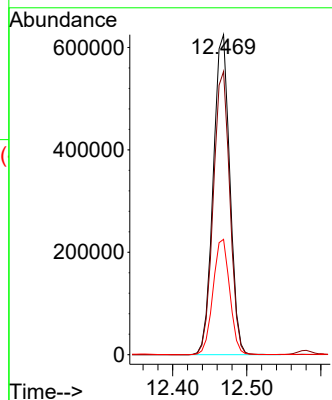
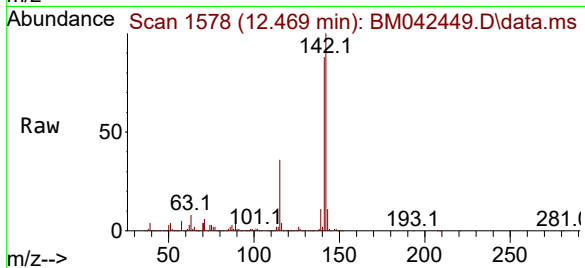
Tgt Ion:142 Resp: 971293

Ion Ratio Lower Upper

142 100

141 88.5 72.0 108.0

115 36.0 29.4 44.2



#38

1-Methylnaphthalene

Concen: 50.797 ng

RT: 12.686 min Scan# 1615

Delta R.T. -0.006 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

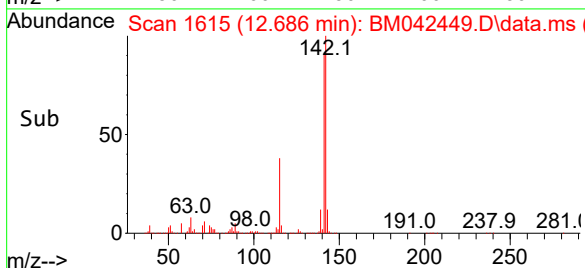
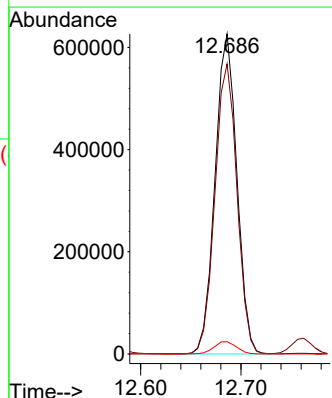
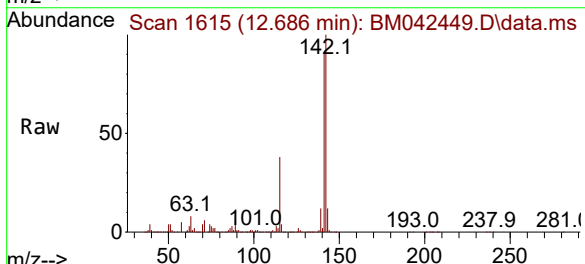
Tgt Ion:142 Resp: 946119

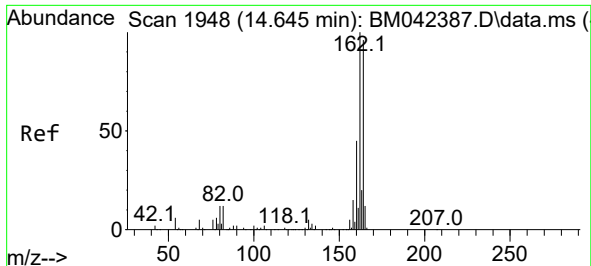
Ion Ratio Lower Upper

142 100

141 90.7 73.8 110.6

116 3.9 3.3 4.9

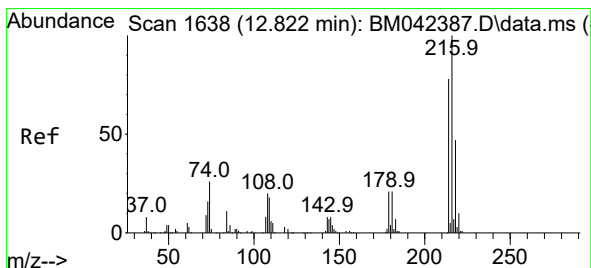
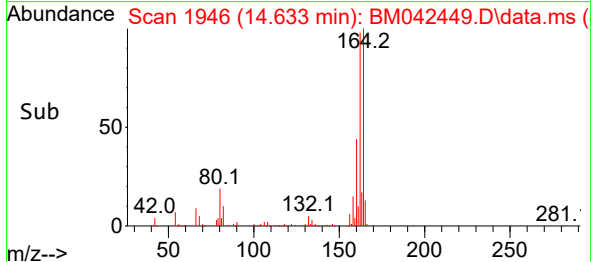
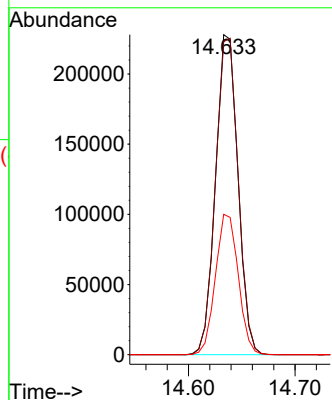
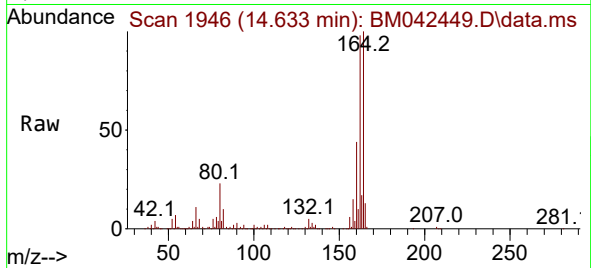




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.633 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

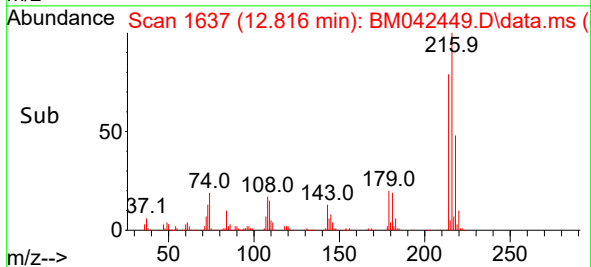
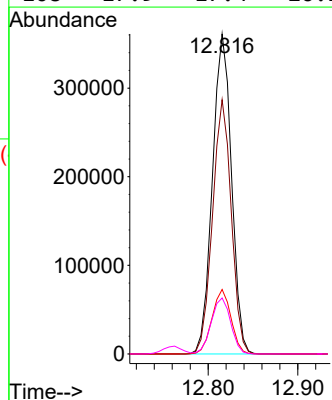
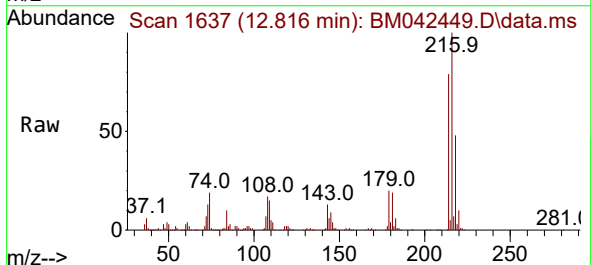
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD

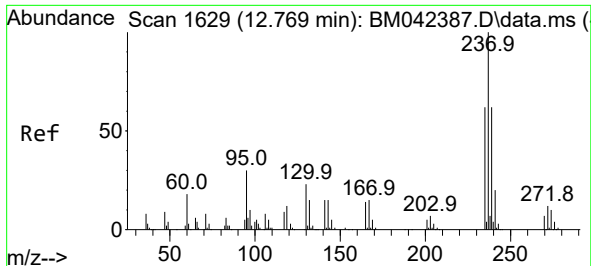
Tgt Ion:164 Resp: 332224
Ion Ratio Lower Upper
164 100
162 97.8 83.0 124.4
160 43.8 37.0 55.4



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

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

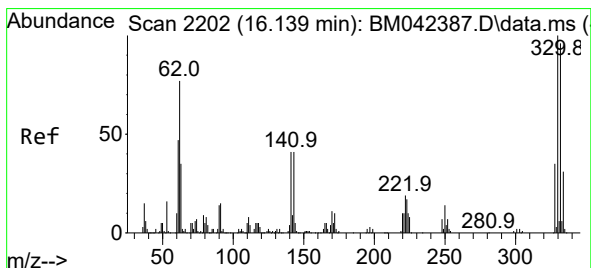
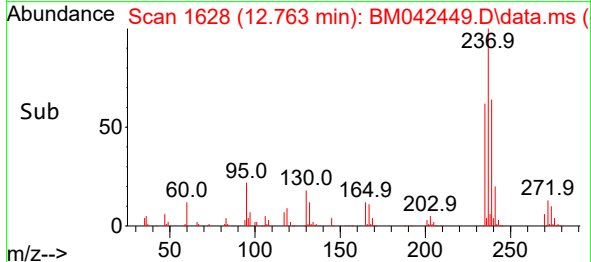
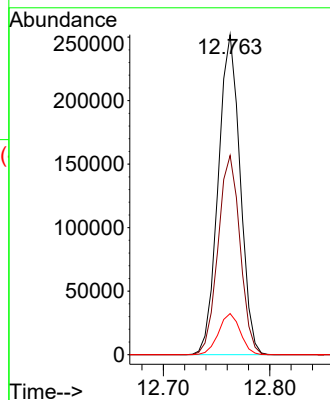
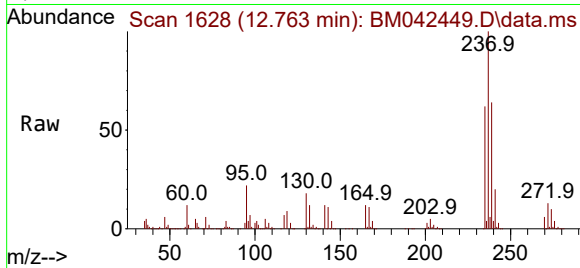




#41
Hexachlorocyclopentadiene
Concen: 69.561 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

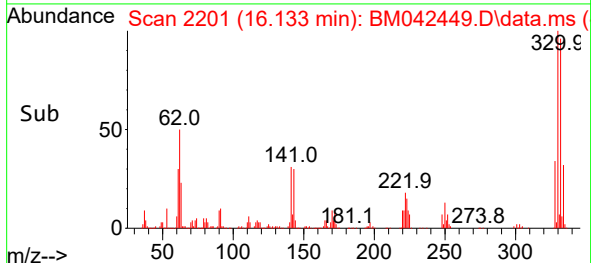
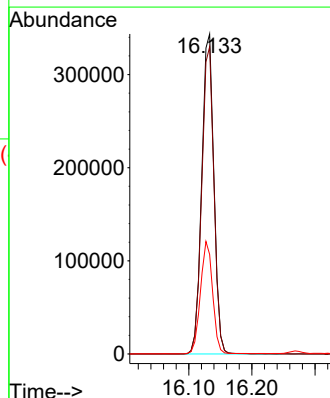
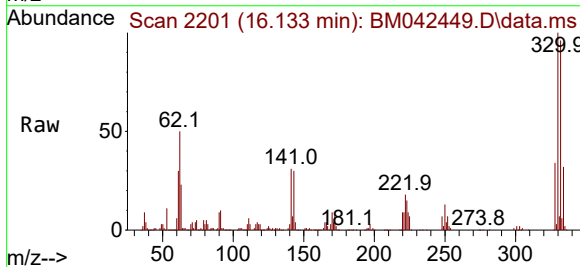
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD

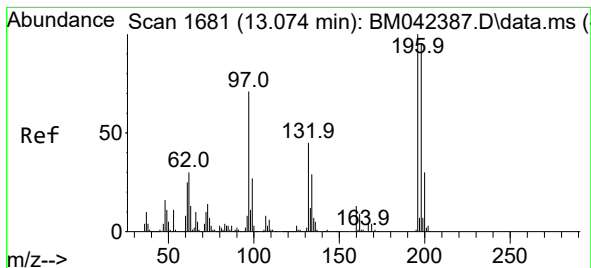
Tgt Ion:237 Resp: 358944
Ion Ratio Lower Upper
237 100
235 62.3 41.5 81.5
272 12.8 0.0 32.2



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

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





#43

2,4,6-Trichlorophenol

Concen: 56.577 ng

RT: 13.069 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM042449.D

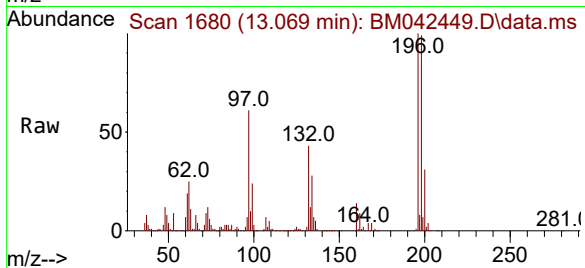
Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD



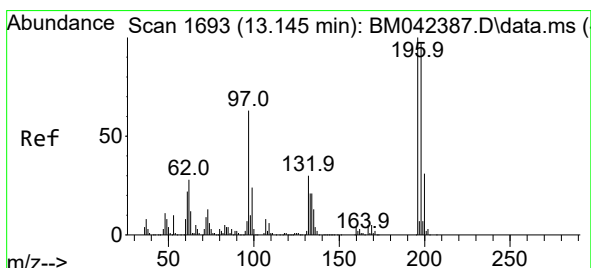
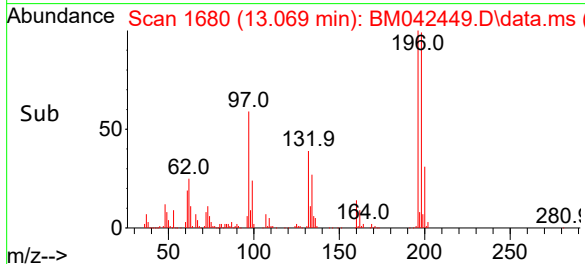
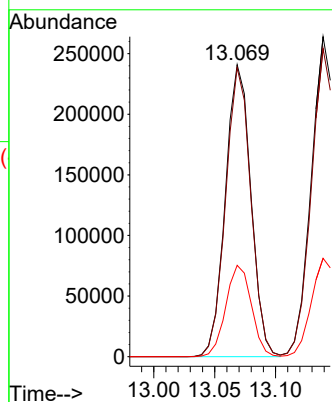
Tgt Ion:196 Resp: 351764

Ion Ratio Lower Upper

196 100

198 98.9 76.3 114.5

200 31.3 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 52.184 ng

RT: 13.139 min Scan# 1692

Delta R.T. -0.006 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Tgt Ion:196 Resp: 383541

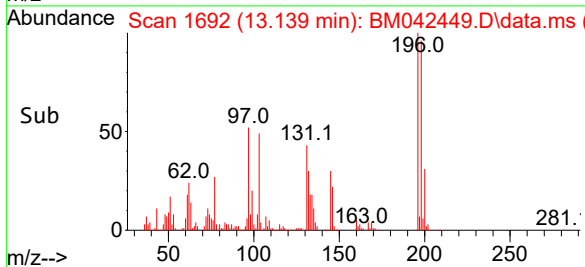
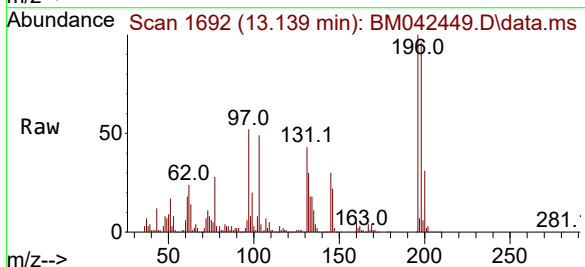
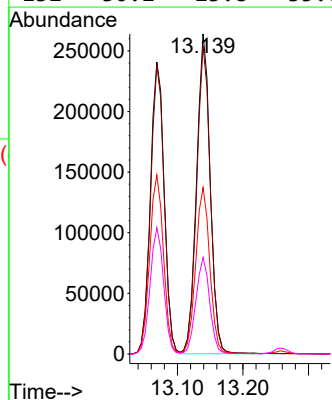
Ion Ratio Lower Upper

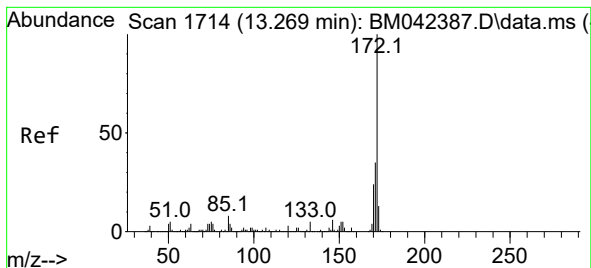
196 100

198 96.3 77.9 116.9

97 52.0 50.9 76.3

132 30.2 23.8 35.6





#45

2-Fluorobiphenyl

Concen: 67.857 ng

RT: 13.257 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD

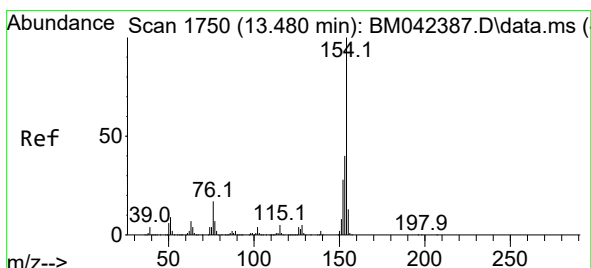
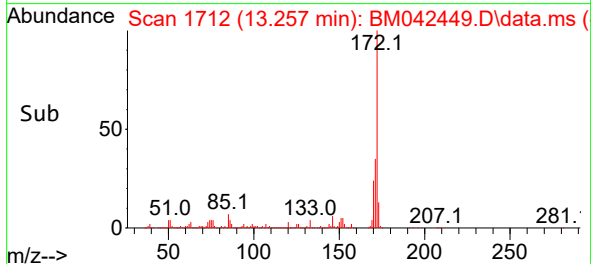
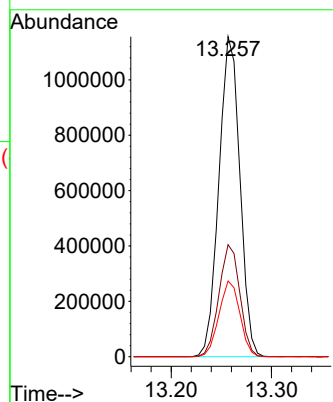
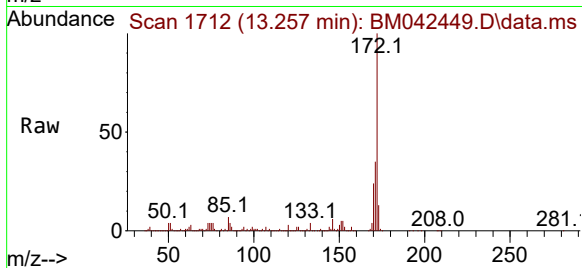
Tgt Ion:172 Resp: 1674108

Ion Ratio Lower Upper

172 100

171 35.0 28.1 42.1

170 23.6 18.9 28.3



#46

1,1'-Biphenyl

Concen: 48.825 ng

RT: 13.474 min Scan# 1749

Delta R.T. -0.006 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

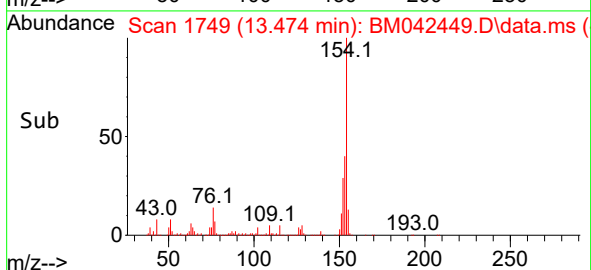
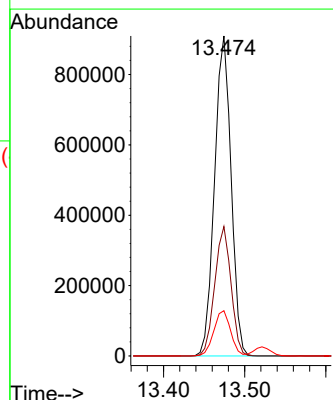
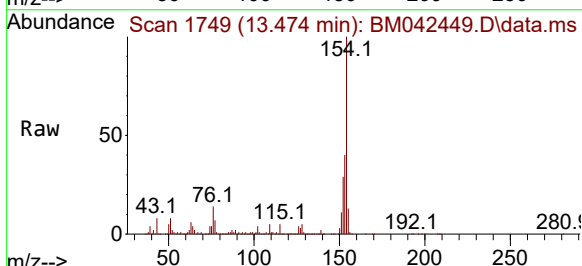
Tgt Ion:154 Resp: 1286815

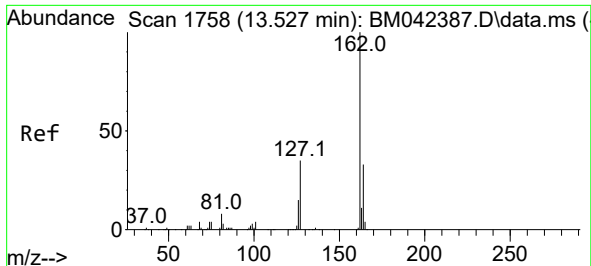
Ion Ratio Lower Upper

154 100

153 40.4 19.9 59.9

76 14.1 0.0 36.9

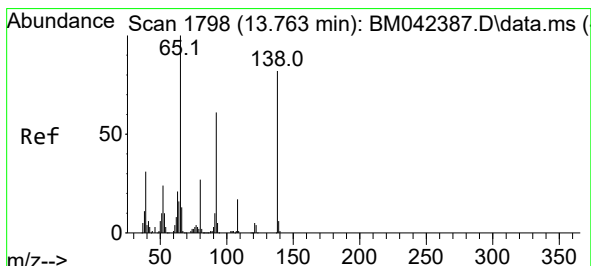
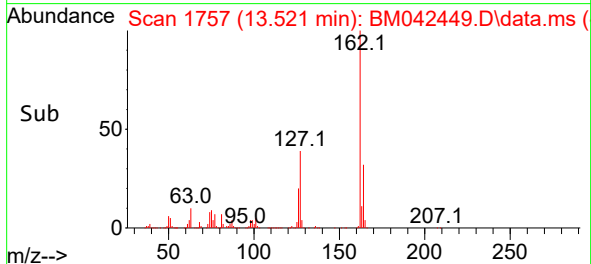
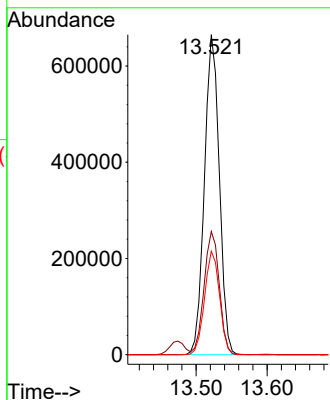
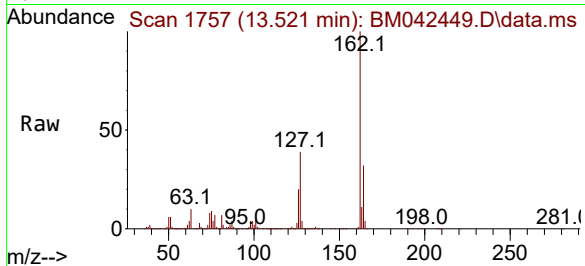




#47
2-Chloronaphthalene
Concen: 50.225 ng
RT: 13.521 min Scan# 1757
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

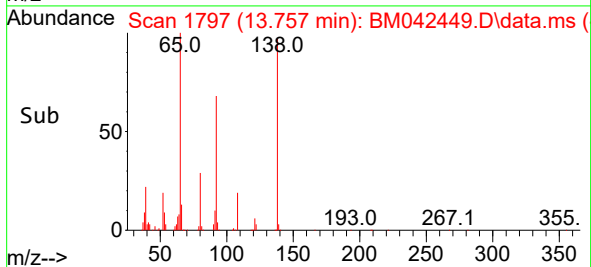
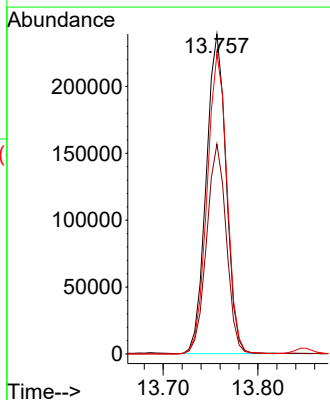
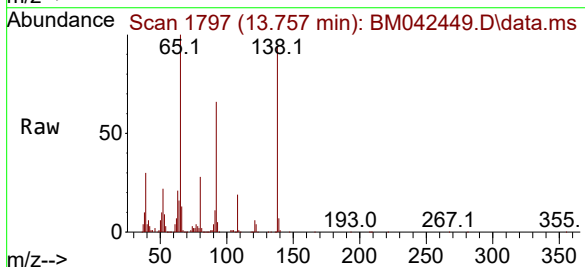
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD

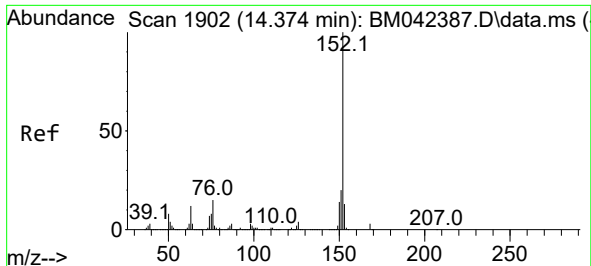
Tgt Ion:162 Resp: 971153
Ion Ratio Lower Upper
162 100
127 38.5 32.2 48.2
164 32.4 26.2 39.2



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

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

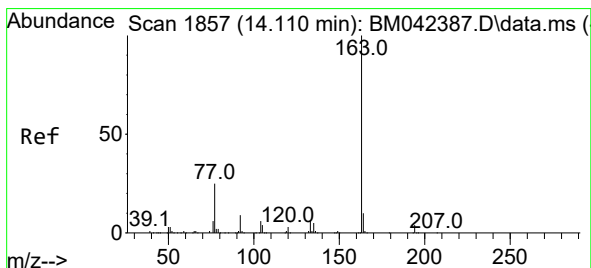
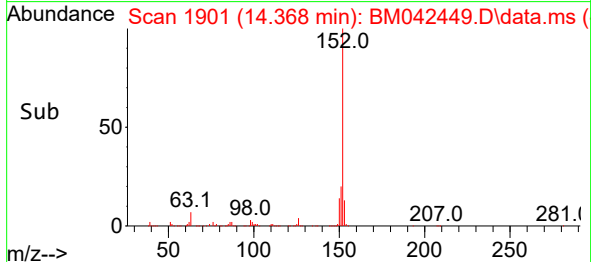
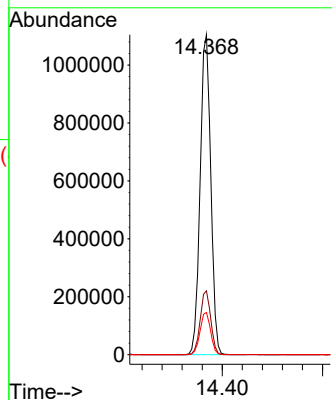
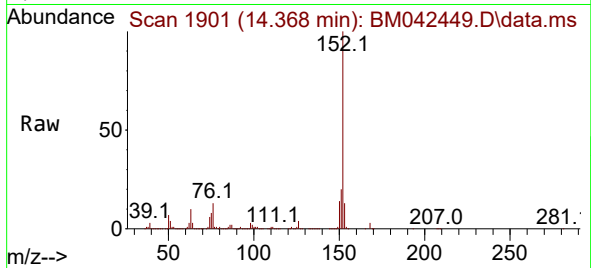




#49
Acenaphthylene
Concen: 51.886 ng
RT: 14.368 min Scan# 1901
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

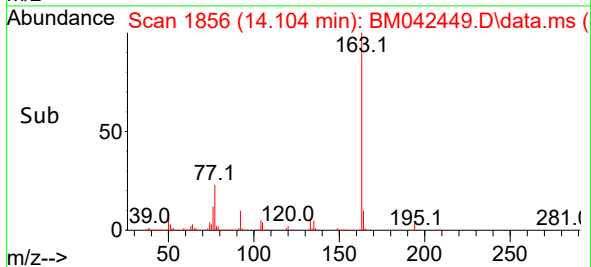
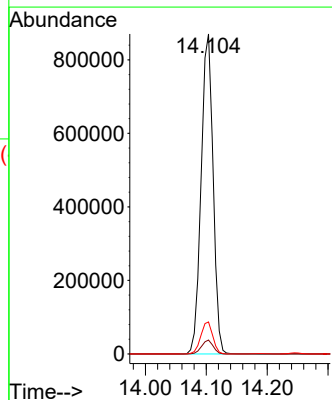
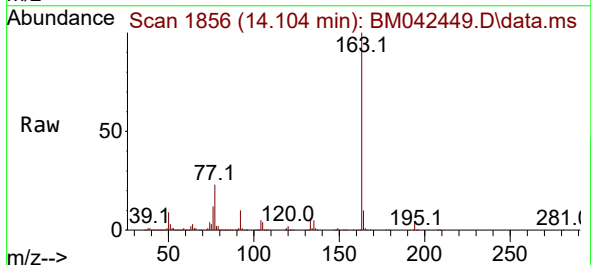
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD

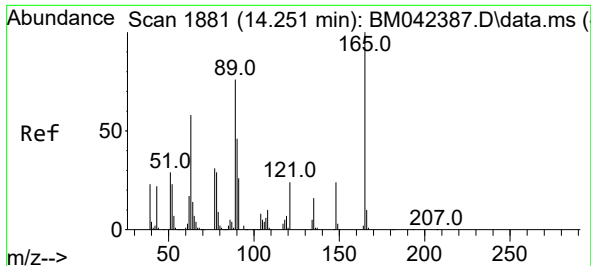
Tgt Ion:152 Resp: 1619694
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 13.2 10.5 15.7



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

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

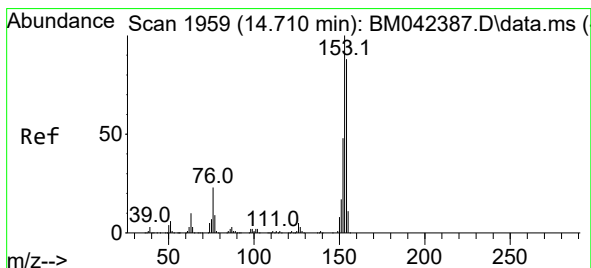
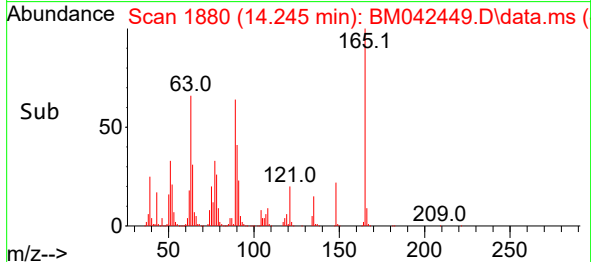
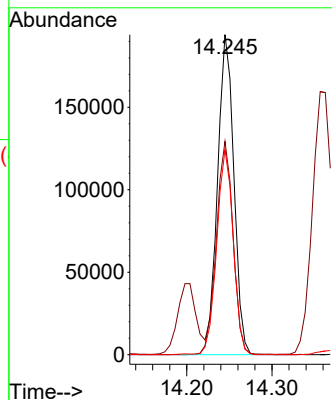
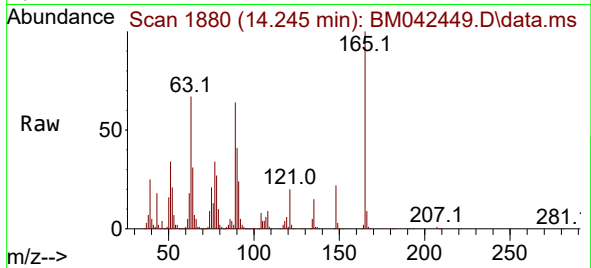




#51
2,6-Dinitrotoluene
Concen: 47.222 ng
RT: 14.245 min Scan# 1881
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

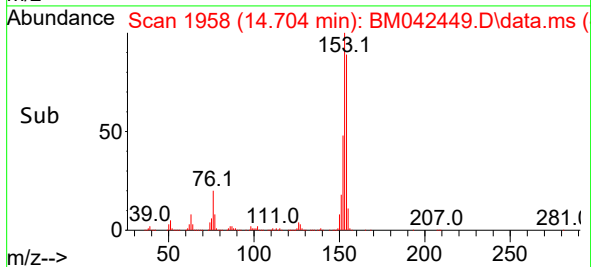
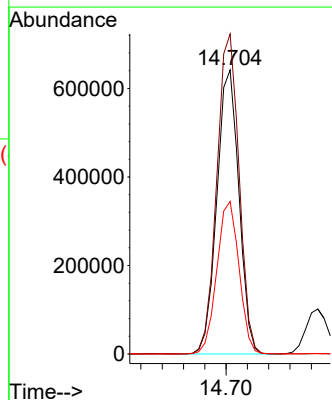
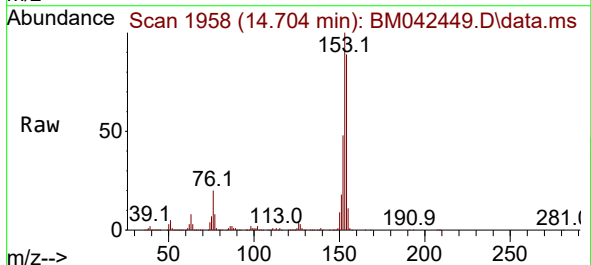
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD

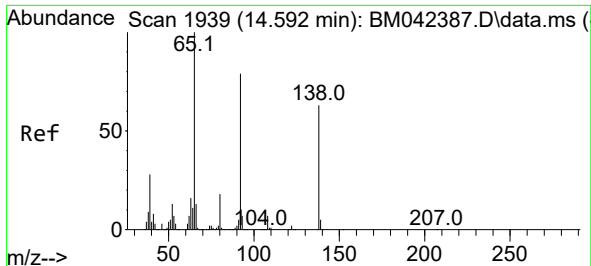
Tgt Ion:165 Resp: 259553
Ion Ratio Lower Upper
165 100
63 66.7 65.3 97.9
89 64.0 60.6 91.0



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

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

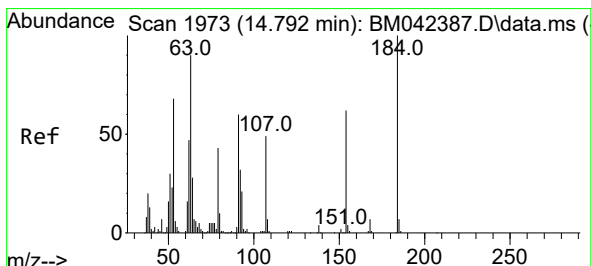
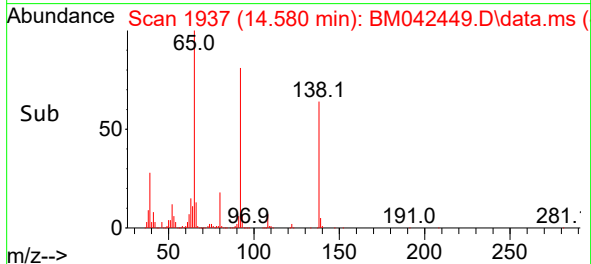
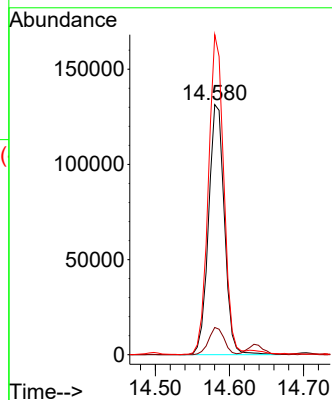
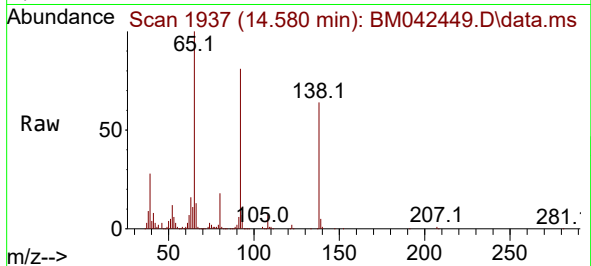




#53
3-Nitroaniline
Concen: 31.191 ng
RT: 14.580 min Scan# 1937
Delta R.T. -0.012 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

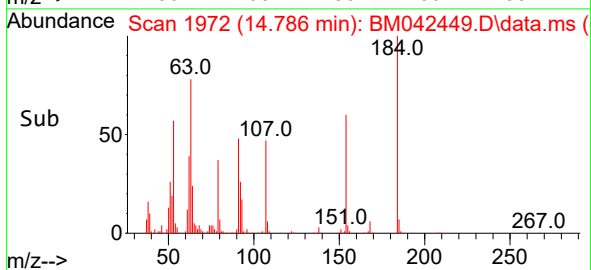
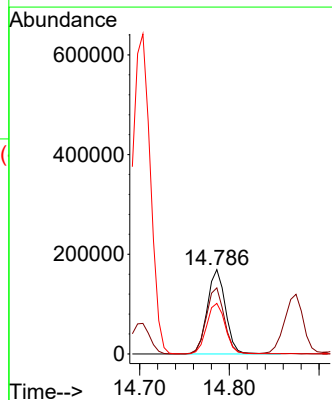
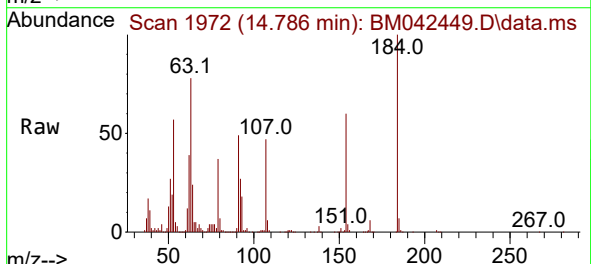
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD

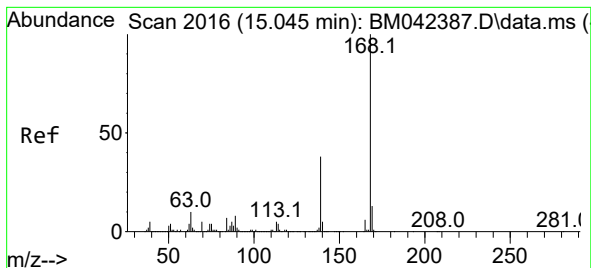
Tgt Ion:138 Resp: 195497
Ion Ratio Lower Upper
138 100
108 10.9 8.3 12.5
92 127.9 100.6 151.0



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

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





#55

Dibenzofuran

Concen: 49.630 ng

RT: 15.033 min Scan# 20

Delta R.T. -0.012 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD

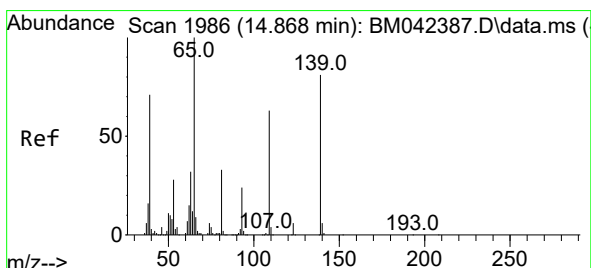
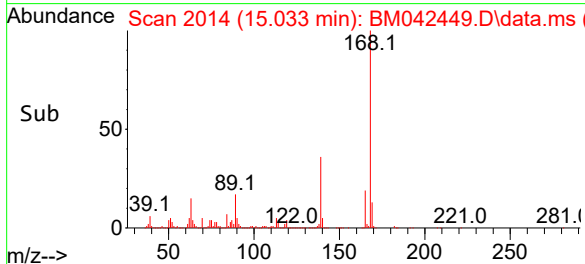
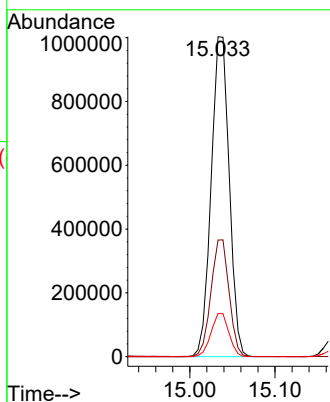
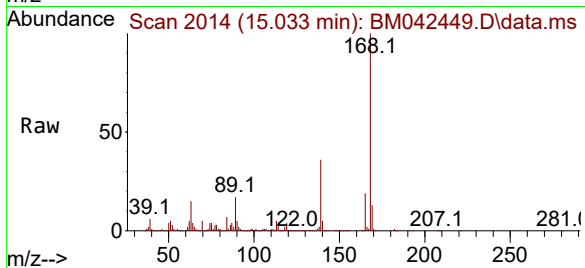
Tgt Ion:168 Resp: 1481442

Ion Ratio Lower Upper

168 100

139 36.4 30.6 46.0

169 13.5 10.4 15.6



#56

4-Nitrophenol

Concen: 102.129 ng

RT: 14.874 min Scan# 1987

Delta R.T. 0.006 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

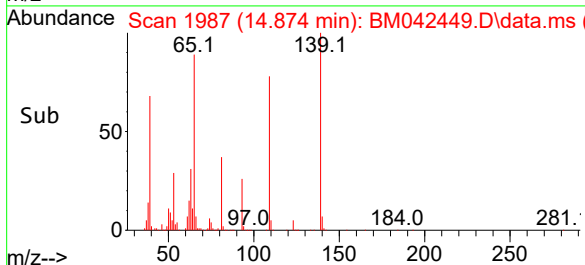
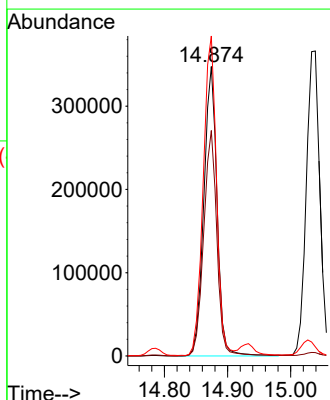
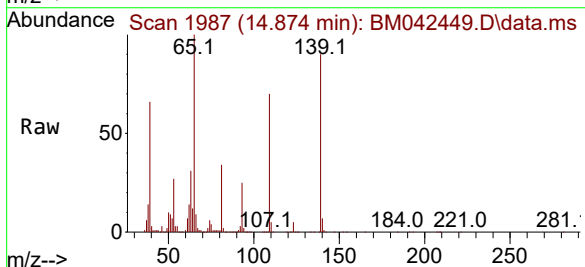
Tgt Ion:139 Resp: 506878

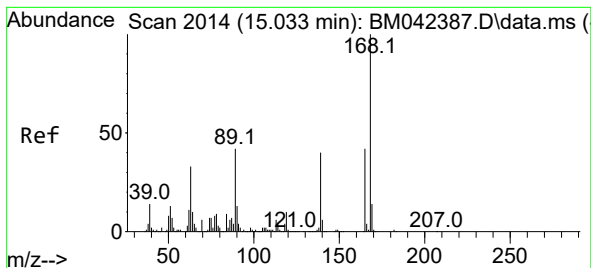
Ion Ratio Lower Upper

139 100

109 77.9 58.0 98.0

65 110.5 104.2 144.2

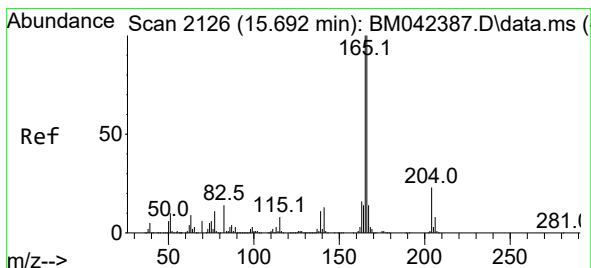
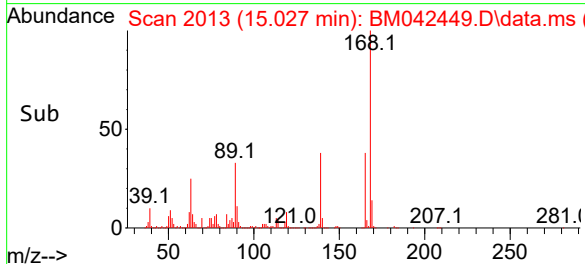
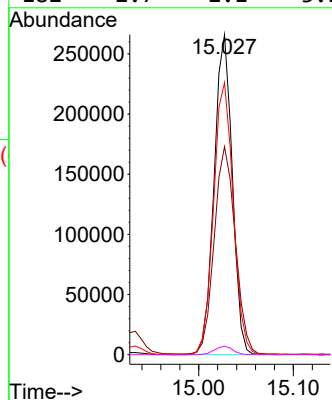
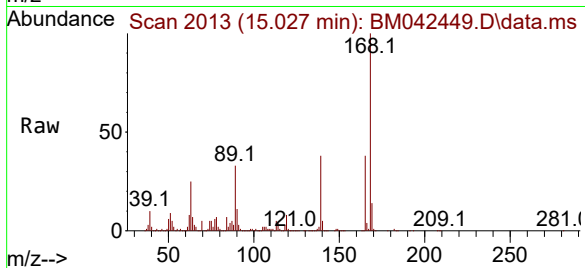




#57
2,4-Dinitrotoluene
Concen: 48.127 ng
RT: 15.027 min Scan# 20
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

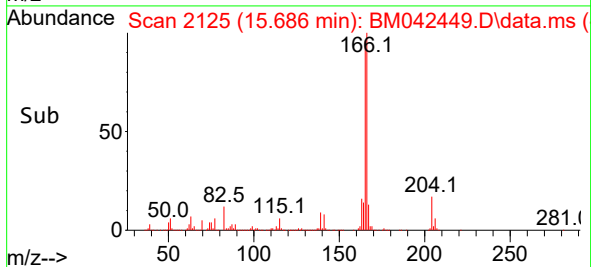
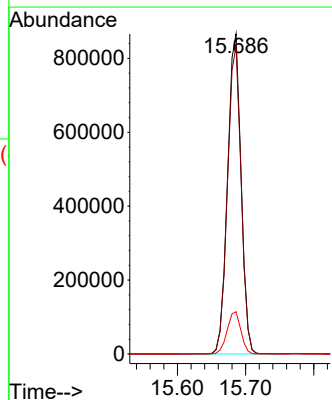
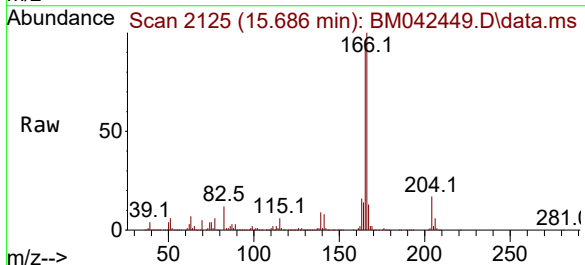
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD

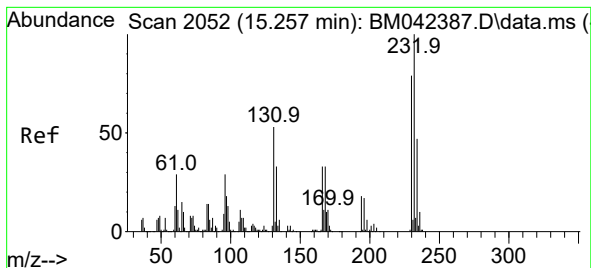
Tgt Ion:165 Resp: 354258
Ion Ratio Lower Upper
165 100
63 65.0 62.9 94.3
89 85.0 80.2 120.2
182 2.7 2.1 3.1



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

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

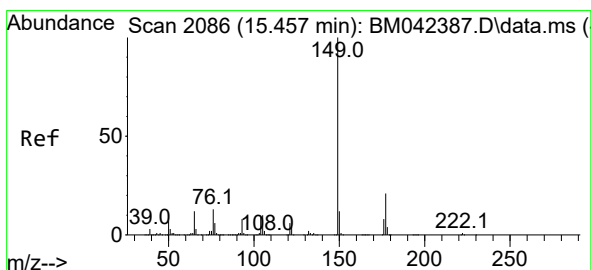
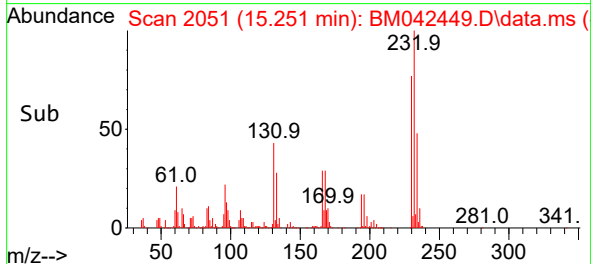
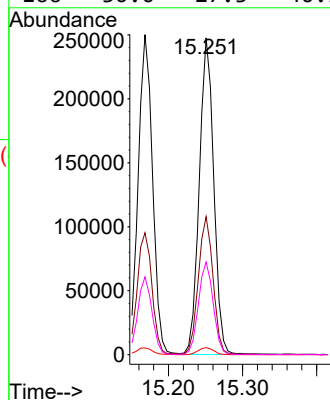
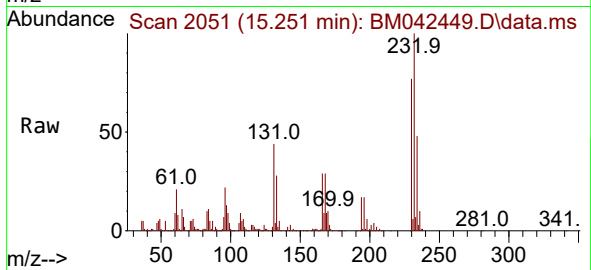




#59
2,3,4,6-Tetrachlorophenol
Concen: 60.904 ng
RT: 15.251 min Scan# 2051
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

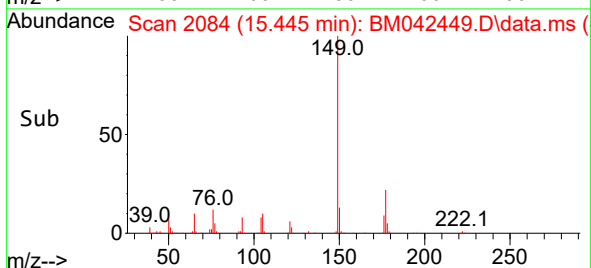
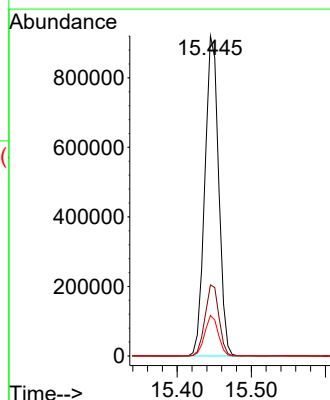
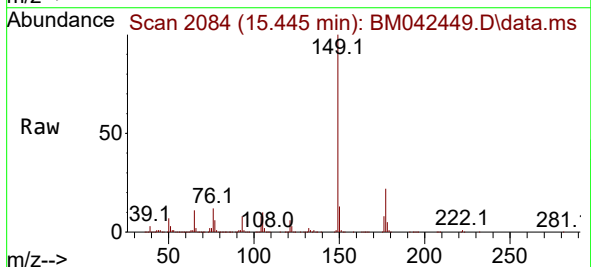
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD

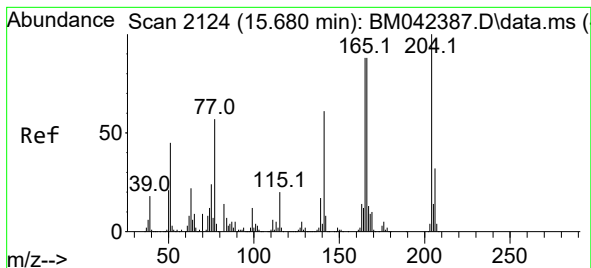
Tgt Ion:232 Resp: 336276
Ion Ratio Lower Upper
232 100
131 44.1 42.8 64.2
130 2.4 2.2 3.2
166 30.0 27.3 40.9



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

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

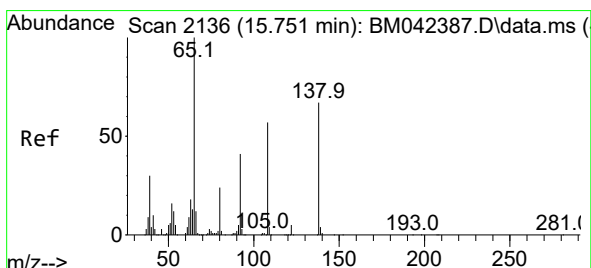
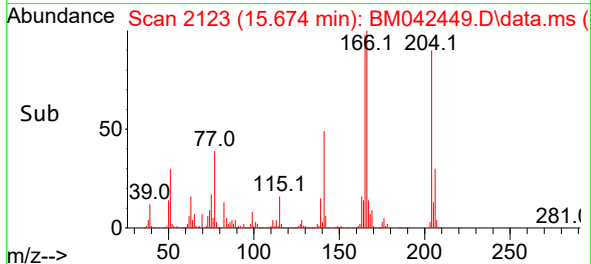
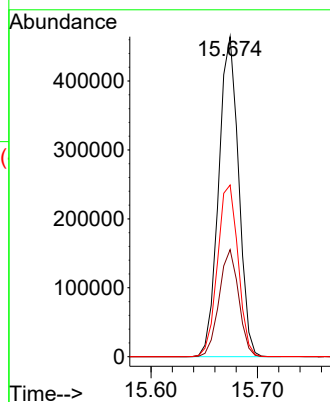
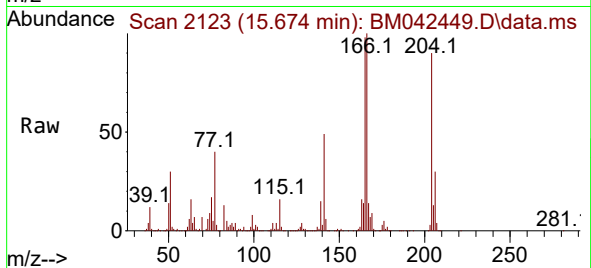




#61
4-Chlorophenyl-phenylether
Concen: 54.323 ng
RT: 15.674 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

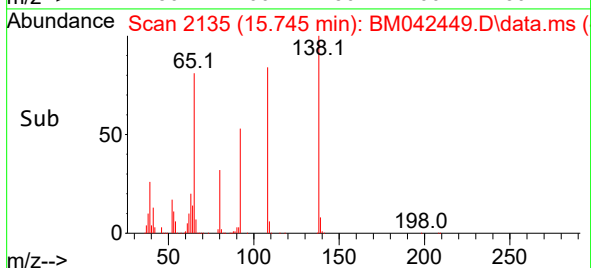
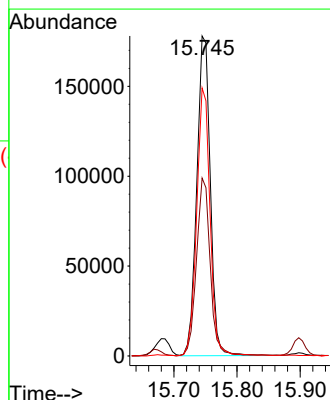
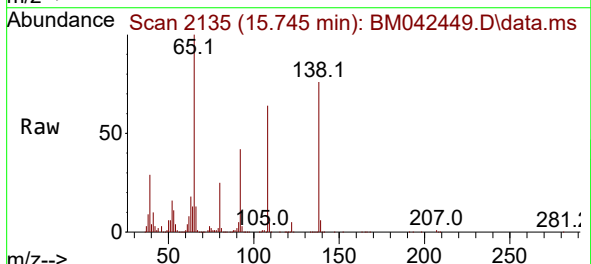
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD

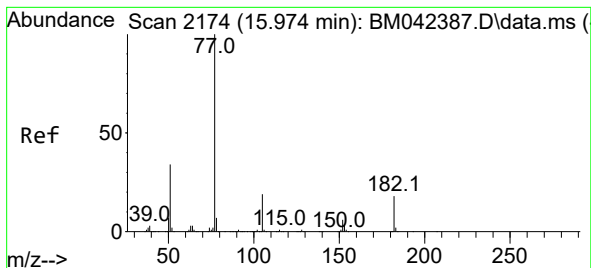
Tgt Ion:204 Resp: 602601
Ion Ratio Lower Upper
204 100
206 33.4 25.4 38.0
141 53.7 49.1 73.7



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

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





#63

Azobenzene

Concen: 45.508 ng

RT: 15.968 min Scan# 2173

Delta R.T. -0.006 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD

Tgt Ion: 77 Resp: 1312967

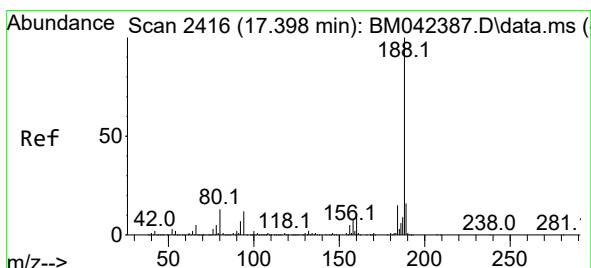
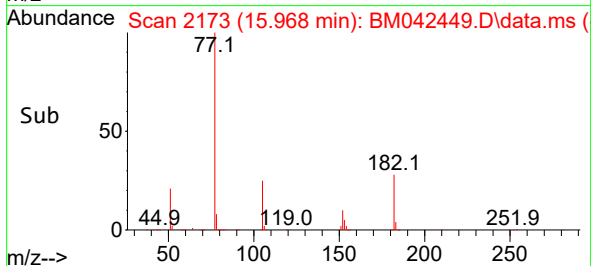
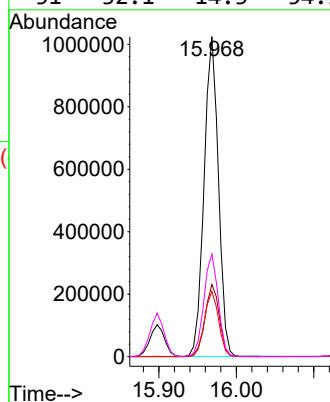
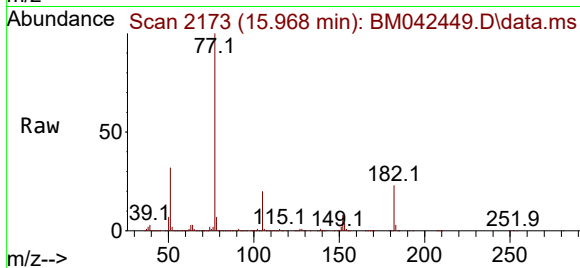
Ion Ratio Lower Upper

77 100

182 22.5 0.0 37.7

105 20.4 0.0 38.9

51 32.1 14.3 54.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.386 min Scan# 2414

Delta R.T. -0.012 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

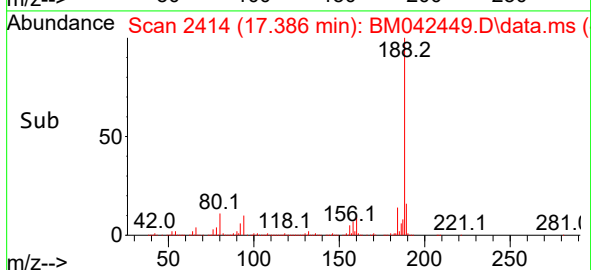
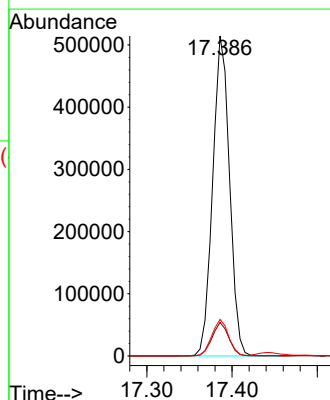
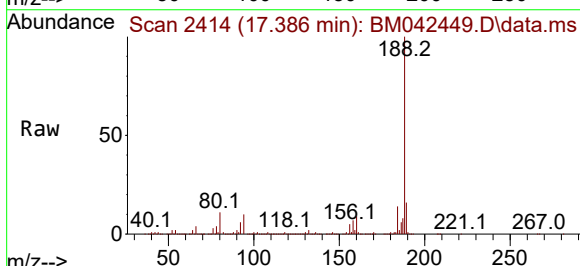
Tgt Ion:188 Resp: 706156

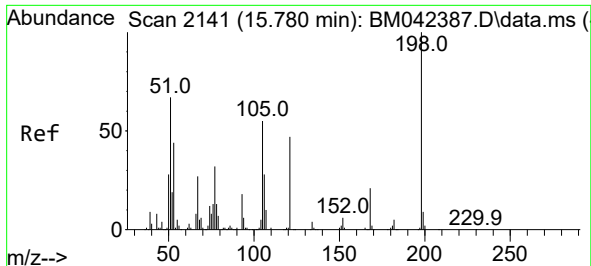
Ion Ratio Lower Upper

188 100

94 10.5 9.4 14.0

80 11.4 10.7 16.1

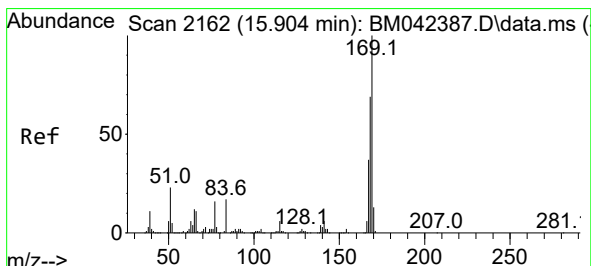
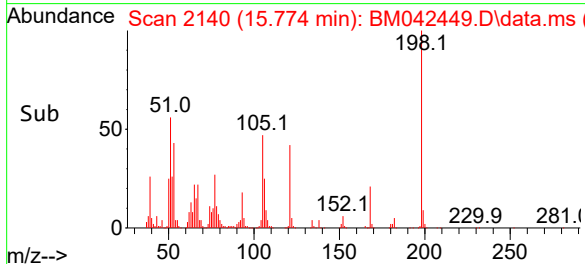
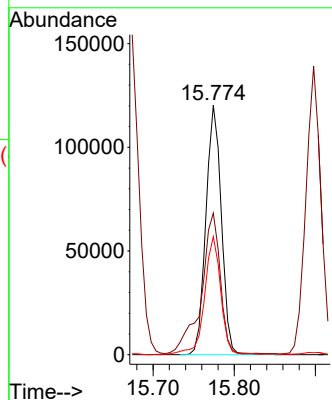
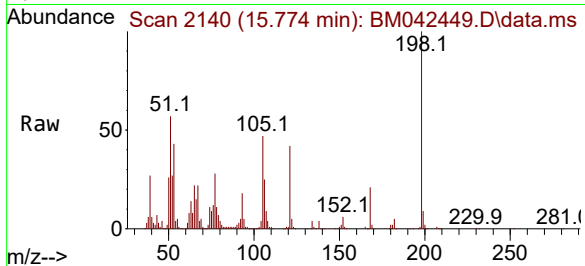




#65
4,6-Dinitro-2-methylphenol
Concen: 36.731 ng
RT: 15.774 min Scan# 2140
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

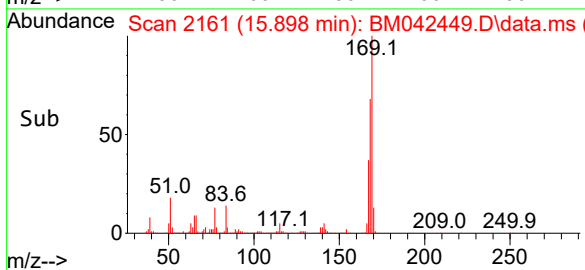
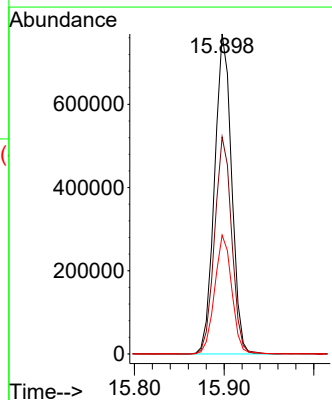
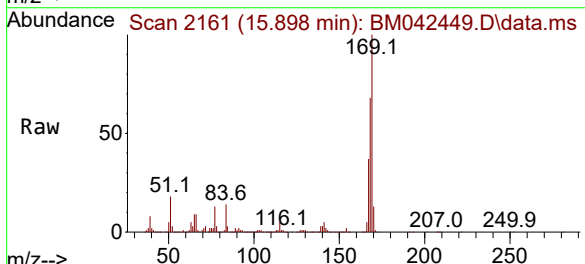
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD

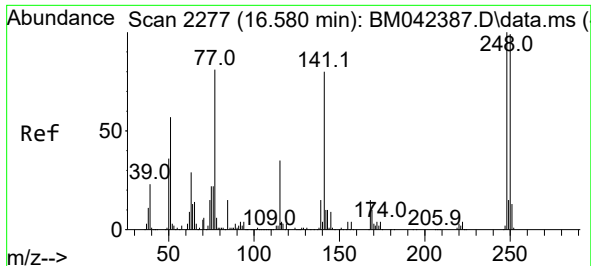
Tgt Ion:198 Resp: 158300
Ion Ratio Lower Upper
198 100
51 56.8 54.1 94.1
105 47.3 35.9 75.9



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

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

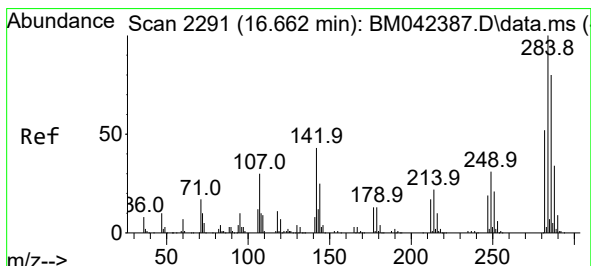
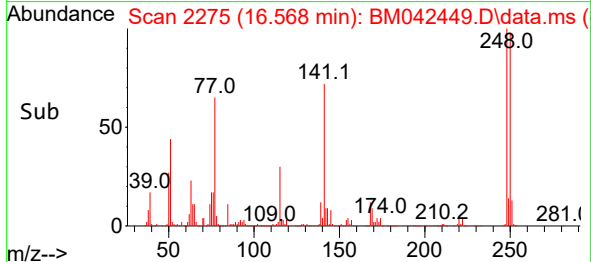
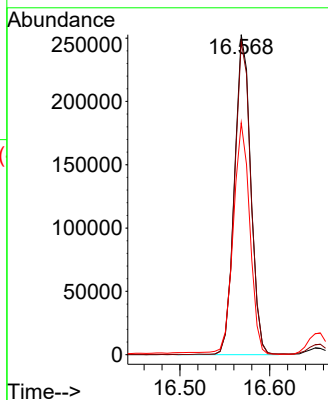
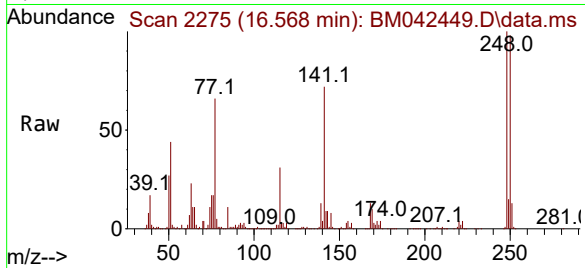




#67
4-Bromophenyl-phenylether
Concen: 48.529 ng
RT: 16.568 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

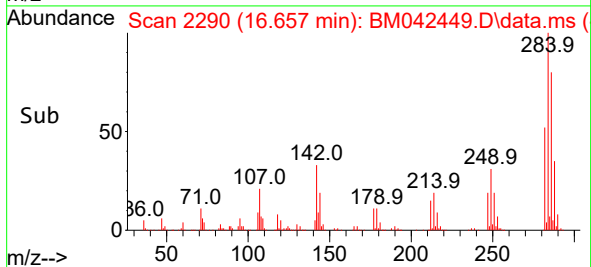
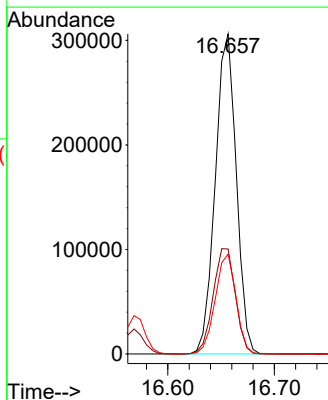
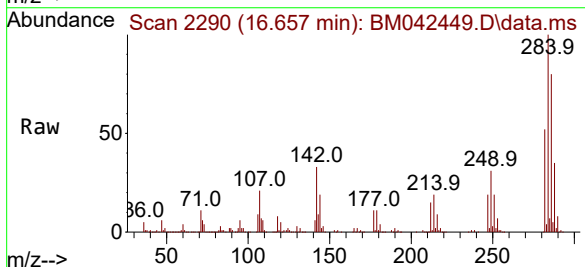
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD

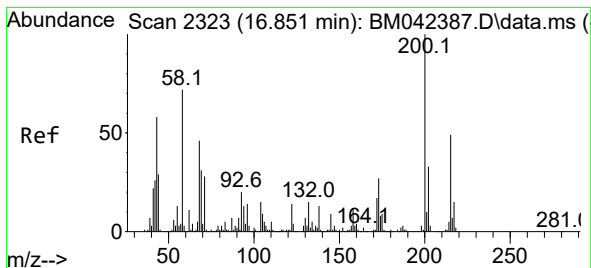
Tgt Ion:248 Resp: 317613
Ion Ratio Lower Upper
248 100
250 97.7 79.4 119.2
141 72.4 64.3 96.5



#68
Hexachlorobenzene
Concen: 59.838 ng
RT: 16.657 min Scan# 2290
Delta R.T. -0.006 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

Tgt Ion:284 Resp: 418610
Ion Ratio Lower Upper
284 100
142 32.8 34.2 51.2#
249 31.2 24.7 37.1





#69

Atrazine

Concen: 69.274 ng

RT: 16.845 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD

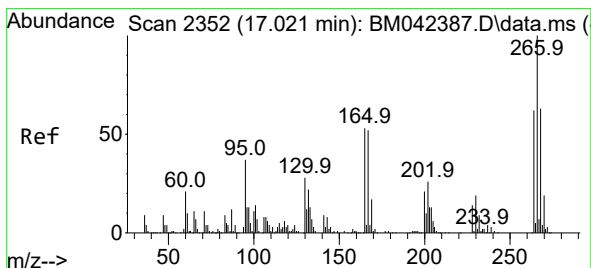
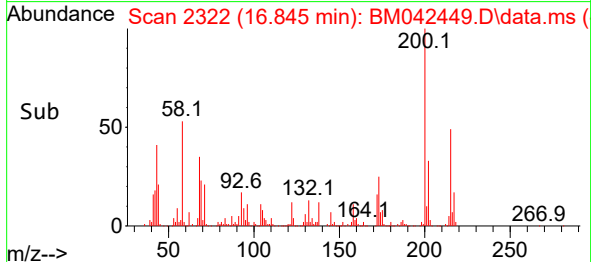
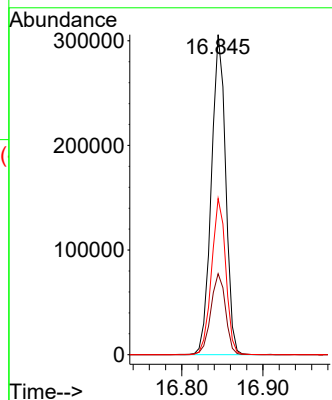
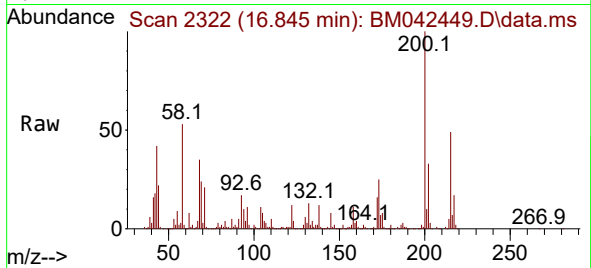
Tgt Ion:200 Resp: 373641

Ion Ratio Lower Upper

200 100

173 25.3 6.6 46.6

215 48.8 28.6 68.6



#70

Pentachlorophenol

Concen: 101.790 ng

RT: 17.015 min Scan# 2351

Delta R.T. -0.006 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

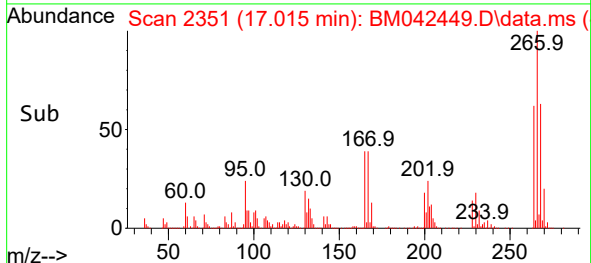
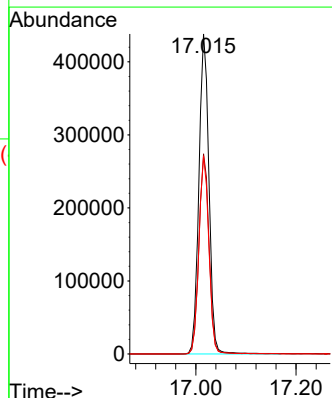
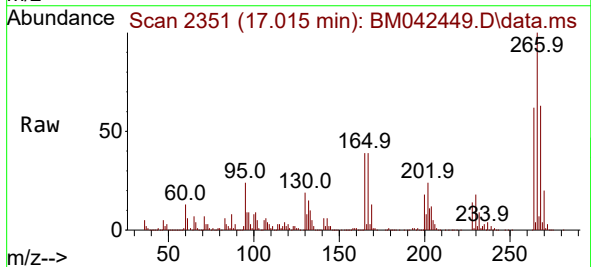
Tgt Ion:266 Resp: 604767

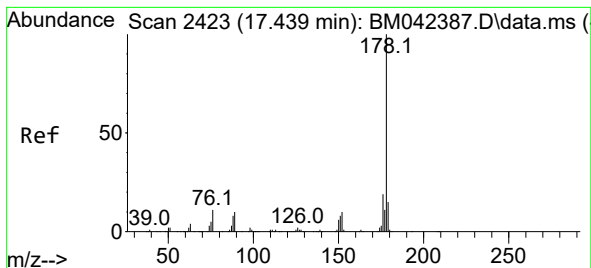
Ion Ratio Lower Upper

266 100

268 62.5 50.6 76.0

264 61.9 49.4 74.0





#71

Phenanthrene

Concen: 50.311 ng

RT: 17.433 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD

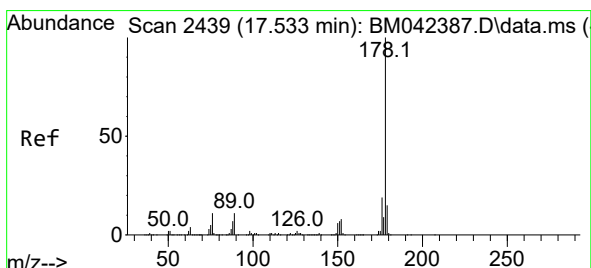
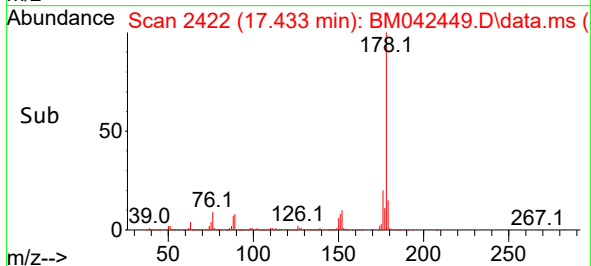
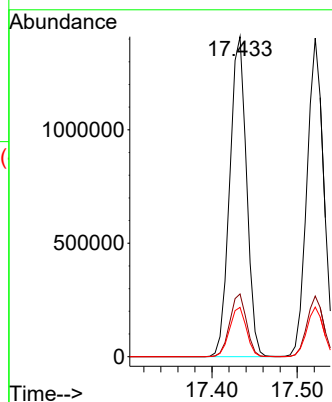
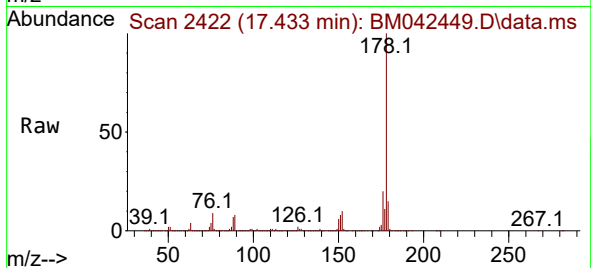
Tgt Ion:178 Resp: 1932714

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

179 15.4 12.3 18.5



#72

Anthracene

Concen: 50.124 ng

RT: 17.521 min Scan# 2437

Delta R.T. -0.012 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

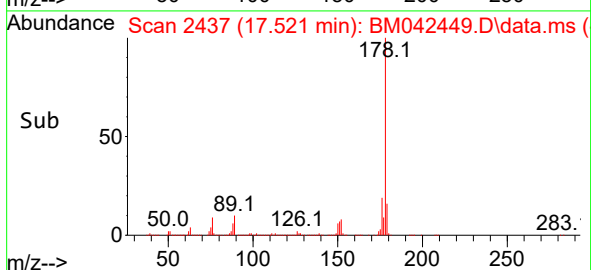
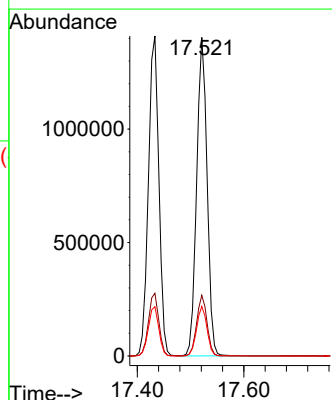
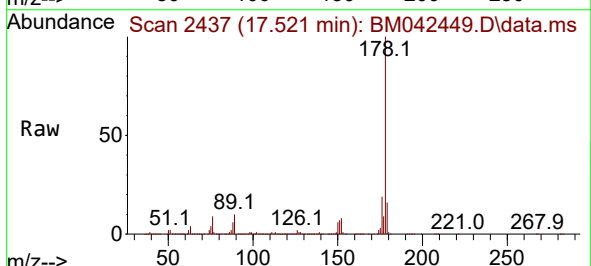
Tgt Ion:178 Resp: 1906997

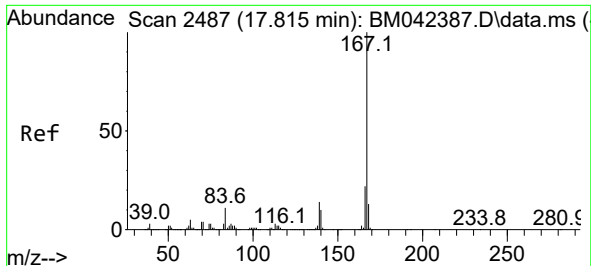
Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

179 15.6 12.1 18.1

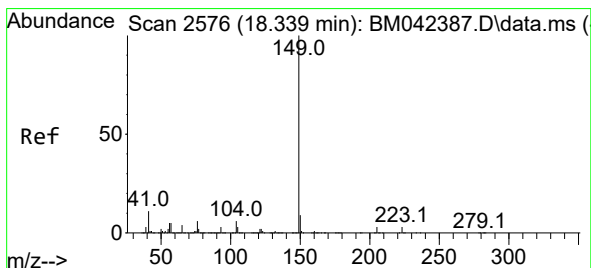
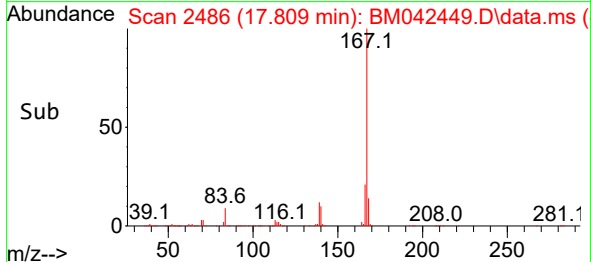
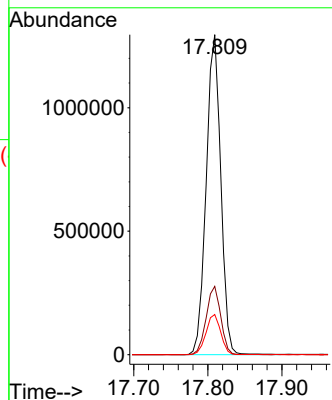
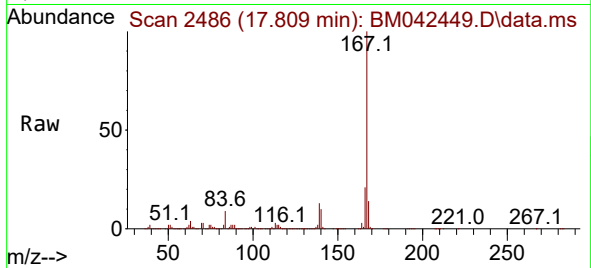




#73
 Carbazole
 Concen: 49.614 ng
 RT: 17.809 min Scan# 2486
 Delta R.T. -0.006 min
 Lab File: BM042449.D
 Acq: 25 Oct 2023 22:07

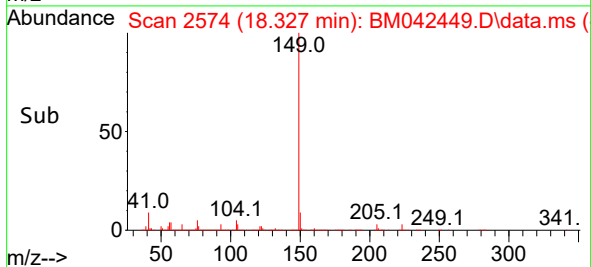
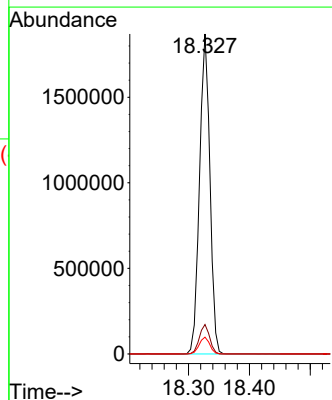
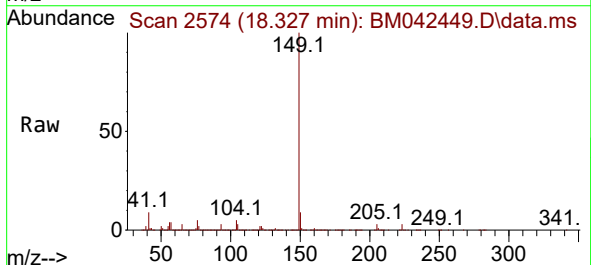
Instrument :
 BNA_M
 ClientSampleId :
 TRENCHWAY-SOIL-PILEMSD

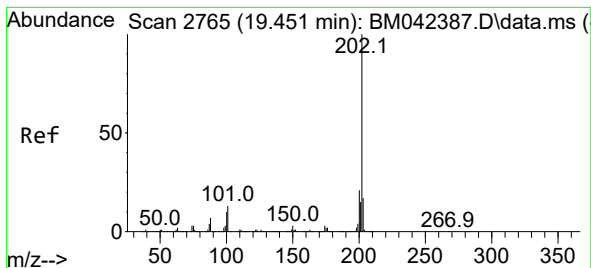
Tgt Ion:167 Resp: 1770811
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.4 26.0
 139 12.6 10.9 16.3



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

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





#75

Fluoranthene

Concen: 56.908 ng

RT: 19.439 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD

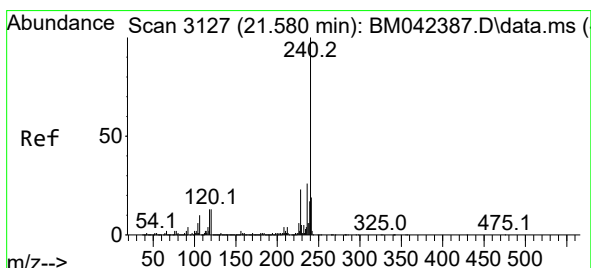
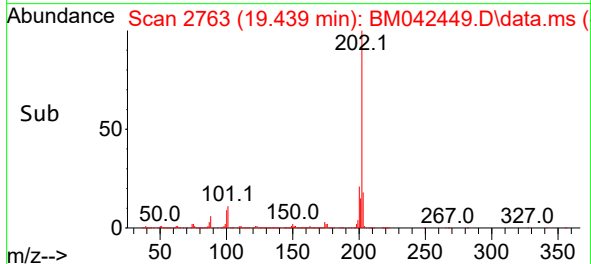
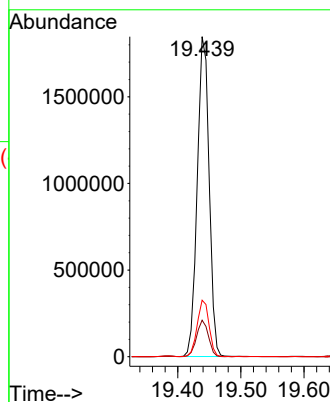
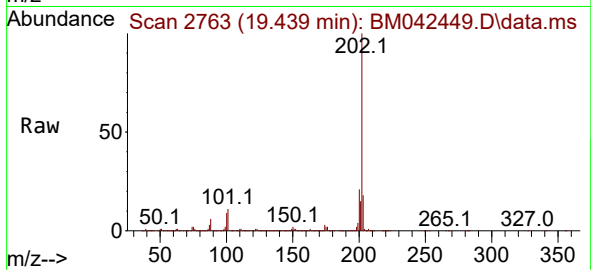
Tgt Ion:202 Resp: 2407698

Ion Ratio Lower Upper

202 100

101 11.4 0.0 33.3

203 17.6 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.568 min Scan# 3125

Delta R.T. -0.012 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

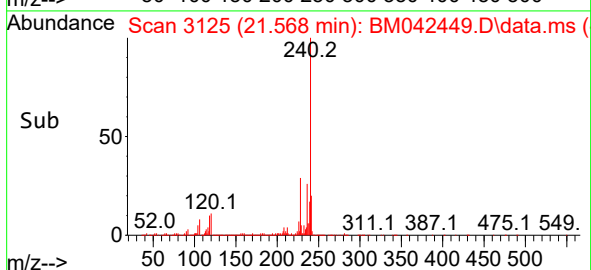
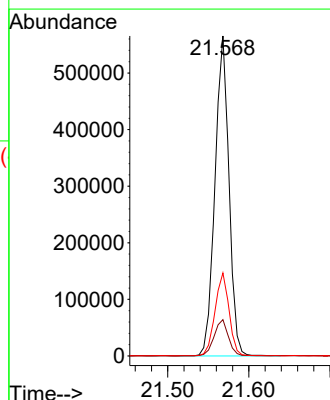
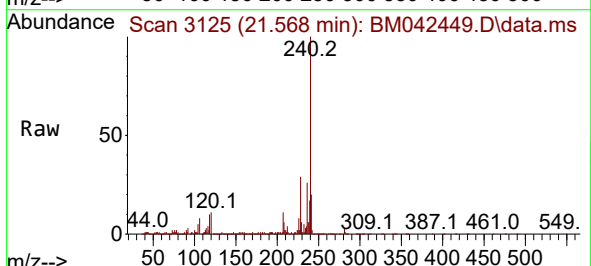
Tgt Ion:240 Resp: 676826

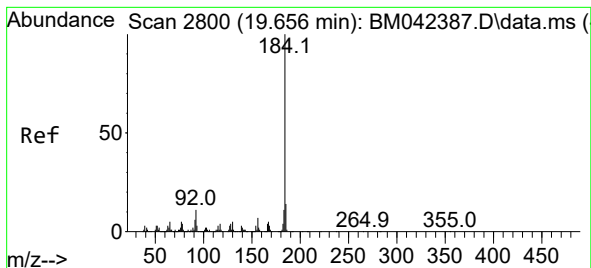
Ion Ratio Lower Upper

240 100

120 11.3 10.7 16.1

236 26.0 20.7 31.1





#77

Benzidine

Concen: 125.672 ng

RT: 19.650 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD

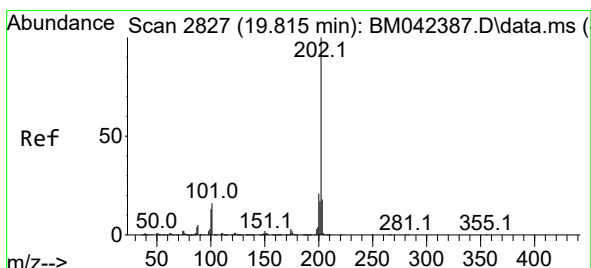
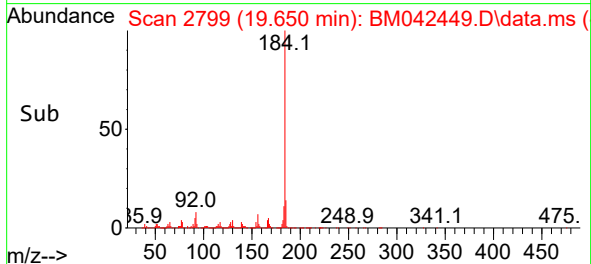
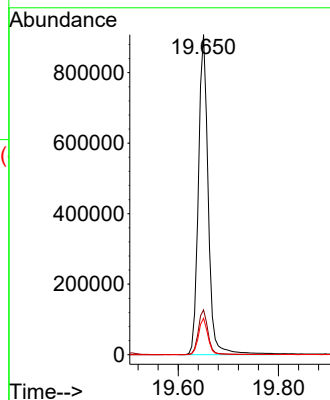
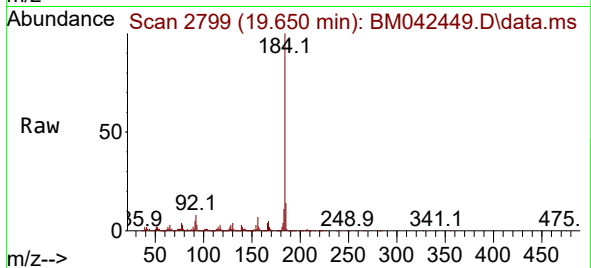
Tgt Ion:184 Resp: 1230299

Ion Ratio Lower Upper

184 100

185 14.0 11.5 17.3

183 11.3 9.2 13.8



#78

Pyrene

Concen: 52.387 ng

RT: 19.809 min Scan# 2826

Delta R.T. -0.006 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

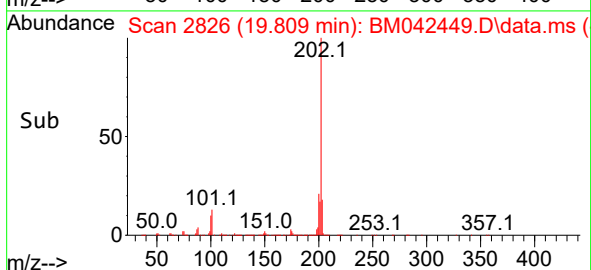
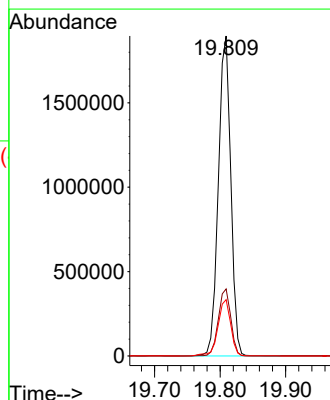
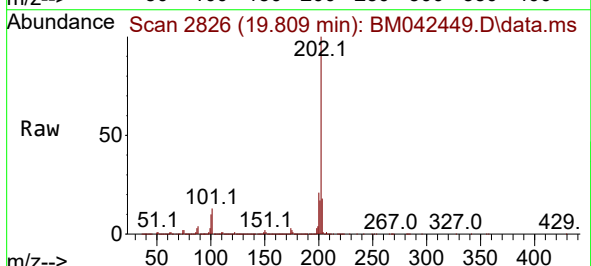
Tgt Ion:202 Resp: 2477719

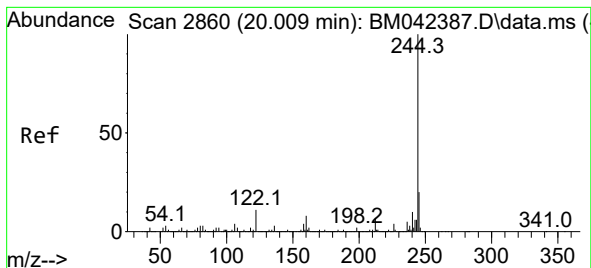
Ion Ratio Lower Upper

202 100

200 20.9 17.1 25.7

203 17.6 14.1 21.1





#79

Terphenyl-d14

Concen: 66.682 ng

RT: 19.997 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD

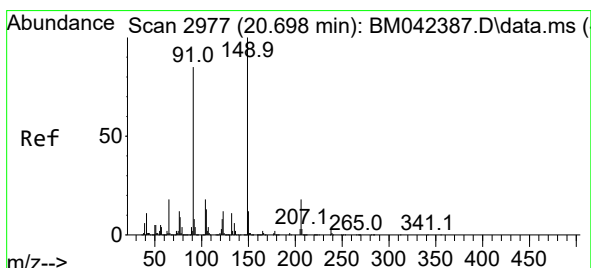
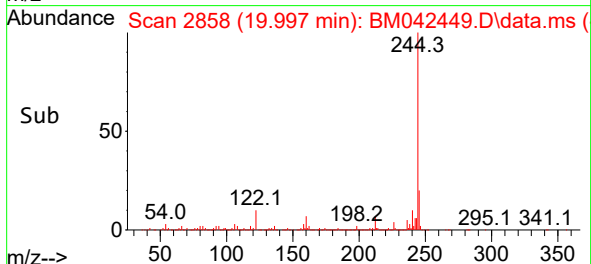
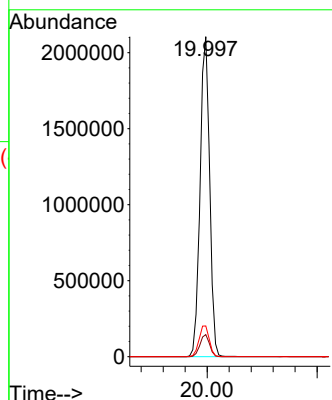
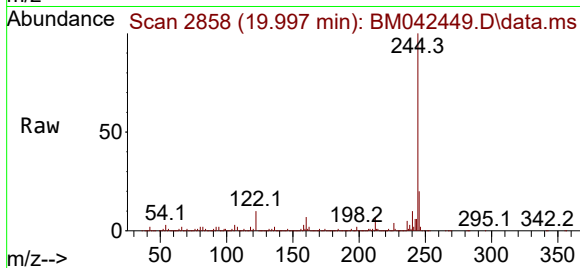
Tgt Ion:244 Resp: 2544811

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 9.6 8.8 13.2



#80

Butylbenzylphthalate

Concen: 49.394 ng

RT: 20.686 min Scan# 2975

Delta R.T. -0.012 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

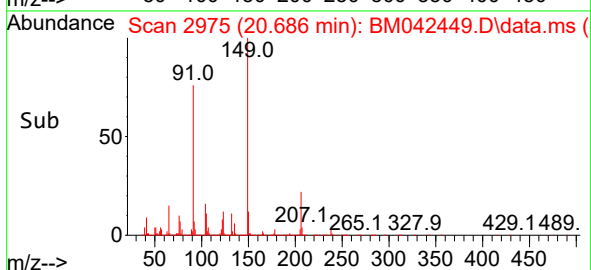
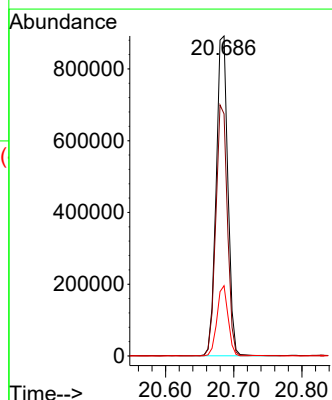
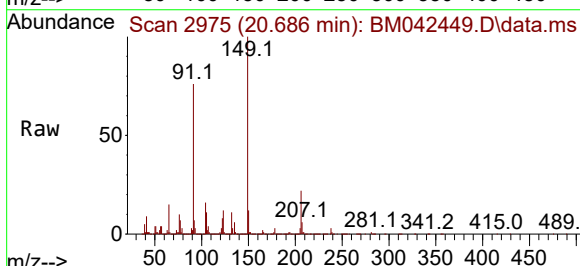
Tgt Ion:149 Resp: 1061148

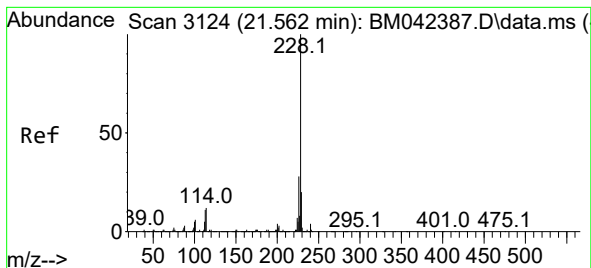
Ion Ratio Lower Upper

149 100

91 75.6 68.3 102.5

206 21.9 14.6 22.0





#81

Benzo(a)anthracene

Concen: 52.439 ng

RT: 21.550 min Scan# 3112

Delta R.T. -0.012 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD

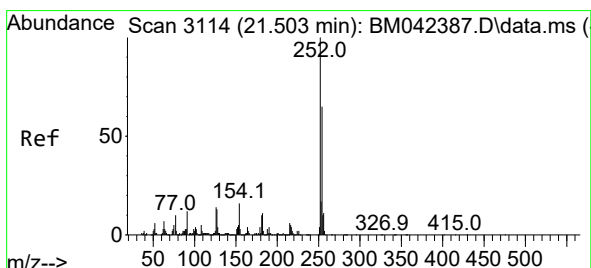
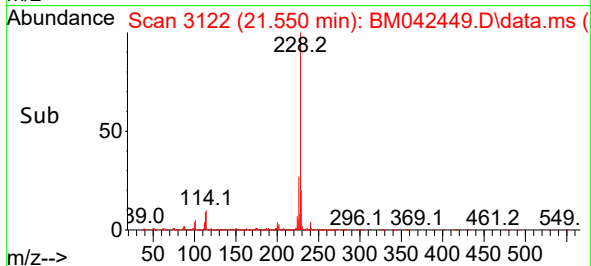
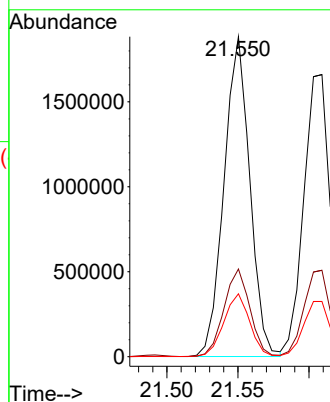
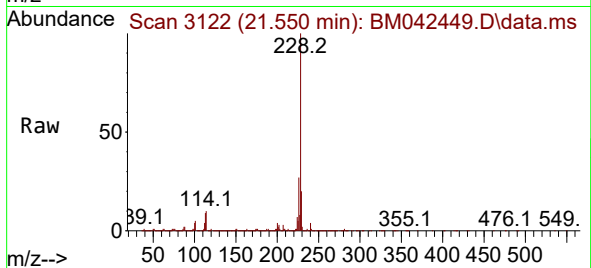
Tgt Ion:228 Resp: 2379310

Ion Ratio Lower Upper

228 100

226 27.4 22.2 33.4

229 19.6 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 54.988 ng

RT: 21.491 min Scan# 3112

Delta R.T. -0.012 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

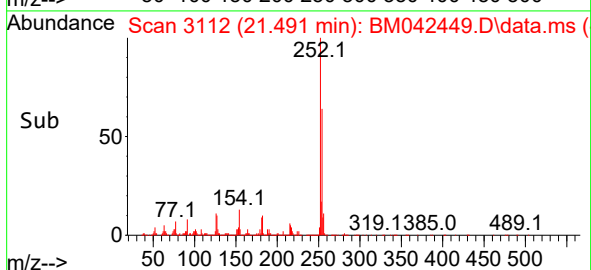
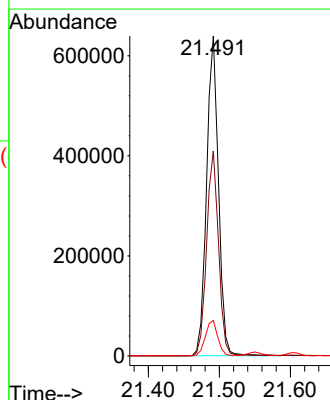
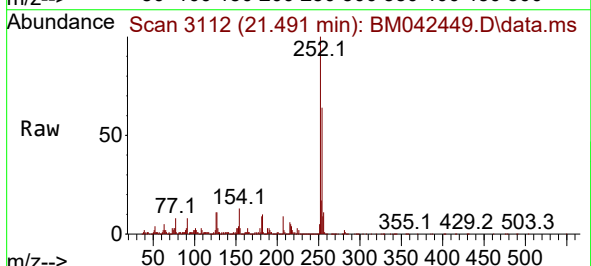
Tgt Ion:252 Resp: 744799

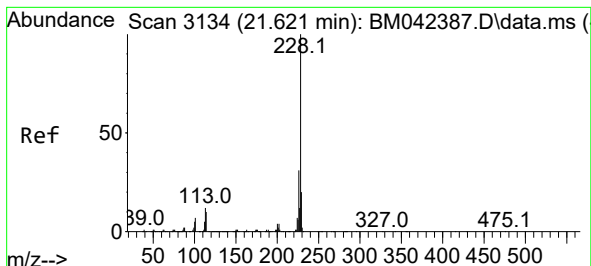
Ion Ratio Lower Upper

252 100

254 64.0 52.2 78.2

126 11.1 11.4 17.2#





#83

Chrysene

Concen: 49.164 ng

RT: 21.609 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD

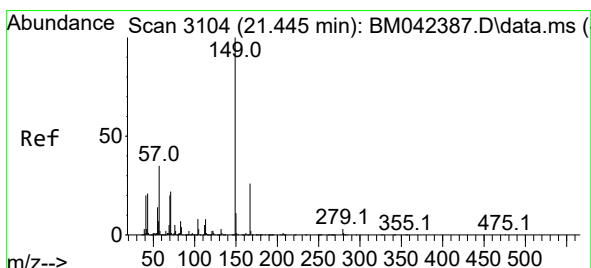
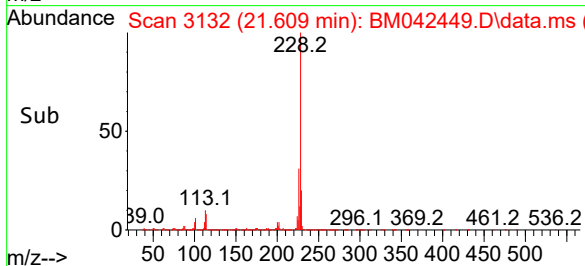
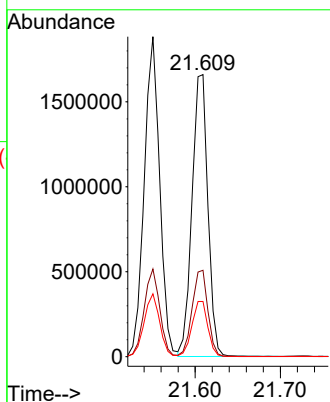
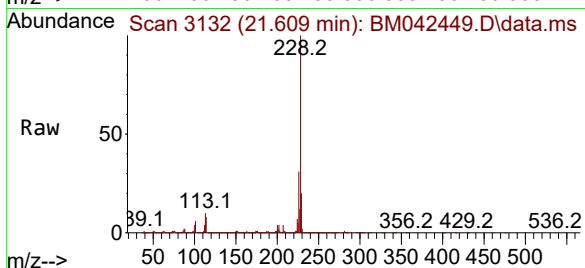
Tgt Ion:228 Resp: 2142517

Ion Ratio Lower Upper

228 100

226 30.6 24.6 36.8

229 19.6 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.990 ng

RT: 21.427 min Scan# 3101

Delta R.T. -0.018 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

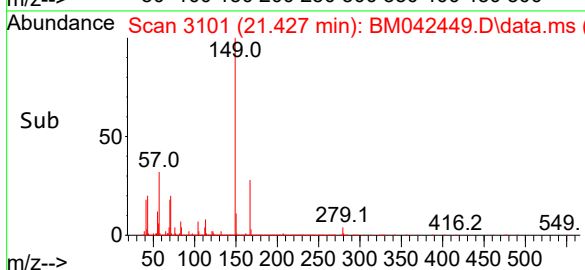
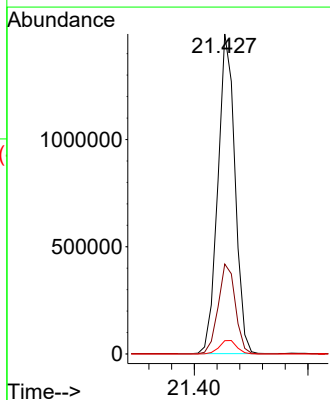
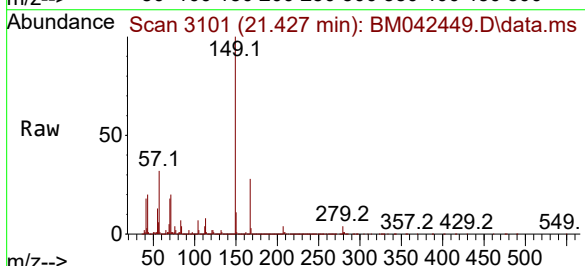
Tgt Ion:149 Resp: 1560981

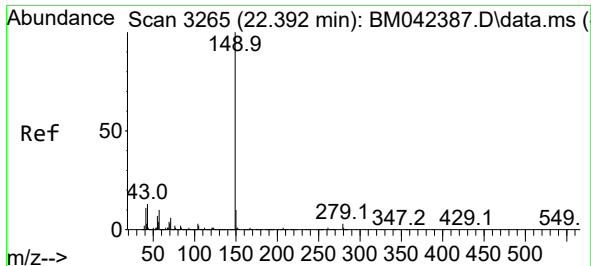
Ion Ratio Lower Upper

149 100

167 28.1 20.9 31.3

279 4.1 2.7 4.1#

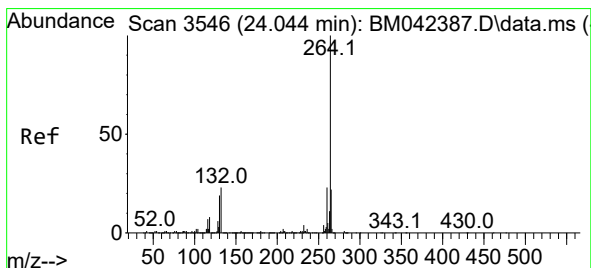
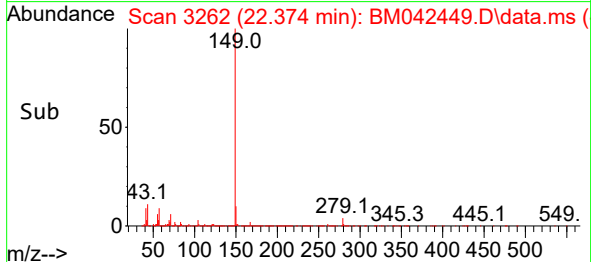
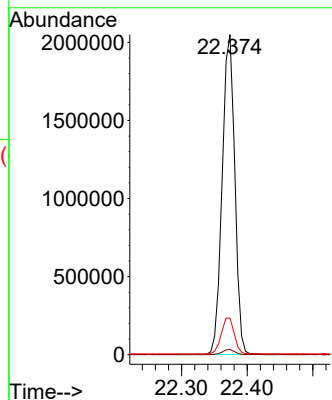
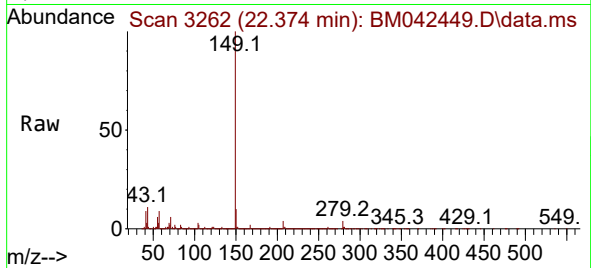




#85
Di-n-octyl phthalate
Concen: 51.486 ng
RT: 22.374 min Scan# 31
Delta R.T. -0.018 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

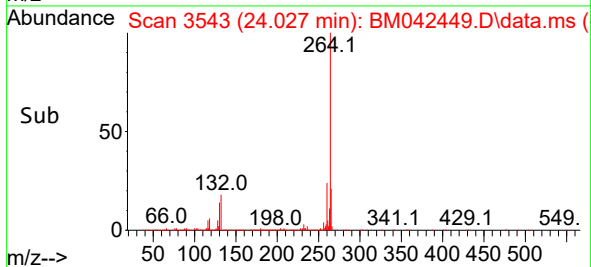
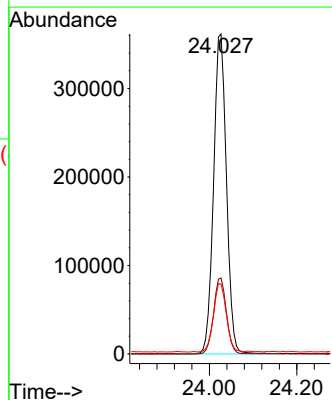
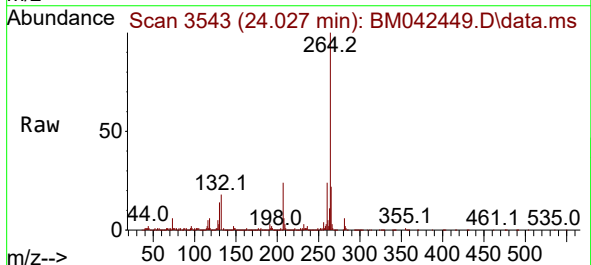
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD

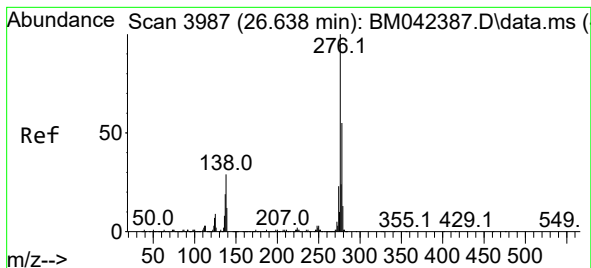
Tgt Ion:149 Resp: 2722203
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 11.6 11.0 16.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.027 min Scan# 3543
Delta R.T. -0.018 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

Tgt Ion:264 Resp: 741102
Ion Ratio Lower Upper
264 100
260 23.8 18.6 27.8
265 21.9 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 46.876 ng

RT: 26.615 min Scan# 34

Delta R.T. -0.024 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD

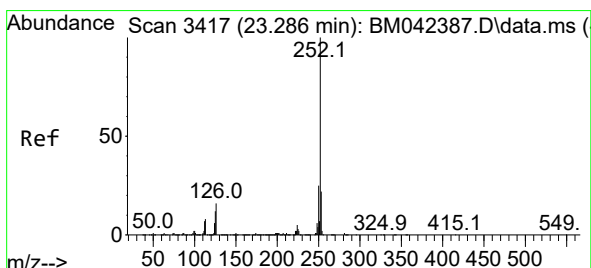
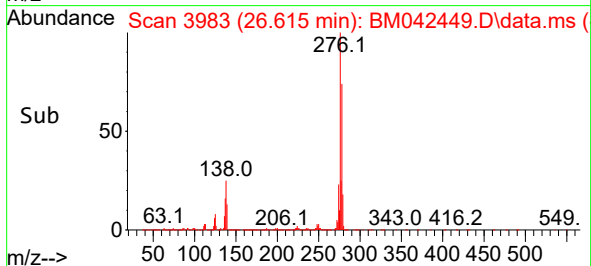
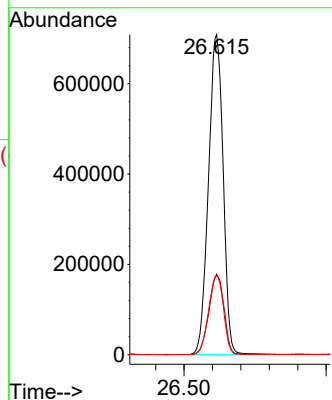
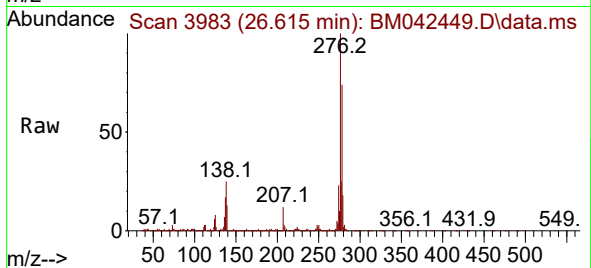
Tgt Ion:276 Resp: 2538807

Ion Ratio Lower Upper

276 100

138 25.7 25.6 38.4

277 25.1 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 47.398 ng

RT: 23.315 min Scan# 3422

Delta R.T. 0.029 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

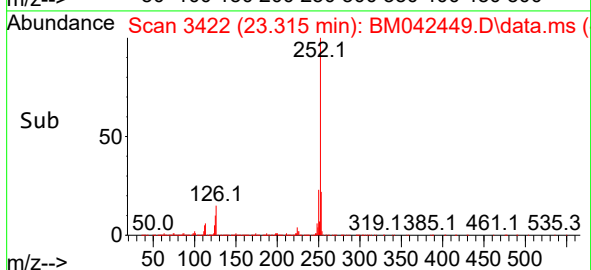
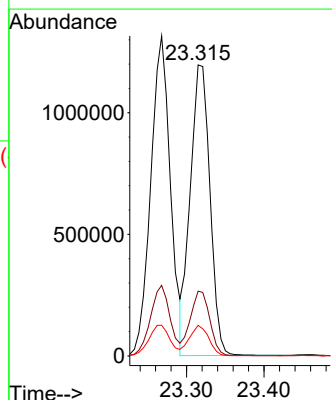
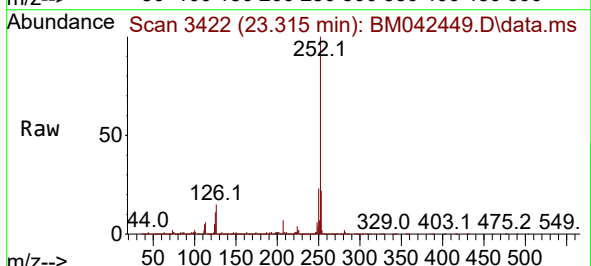
Tgt Ion:252 Resp: 2114375

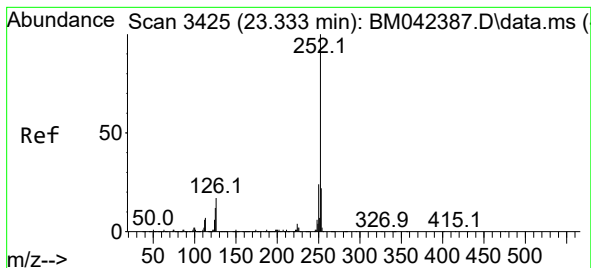
Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

125 10.5 9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 45.653 ng

RT: 23.315 min Scan# 34

Delta R.T. -0.018 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMSD

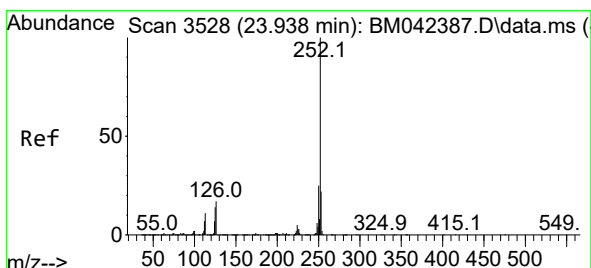
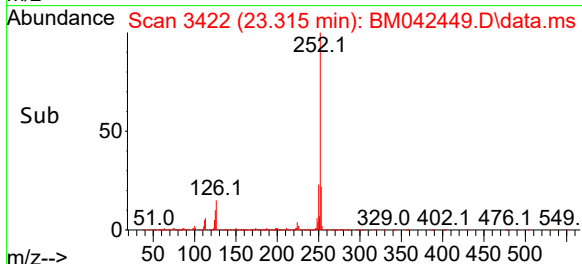
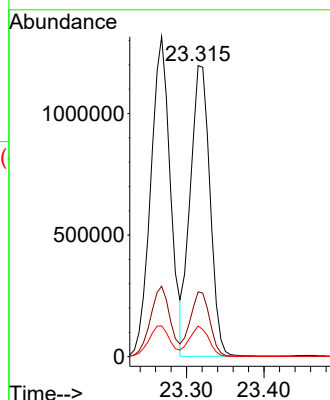
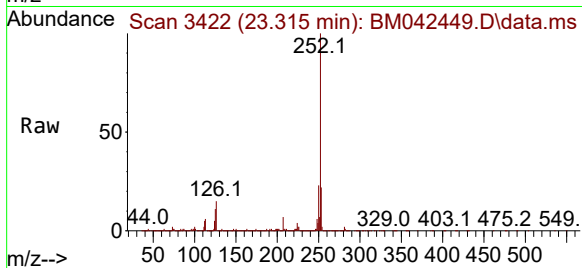
Tgt Ion:252 Resp: 2114375

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

125 10.5 10.2 15.2



#90

Benzo(a)pyrene

Concen: 46.255 ng

RT: 23.921 min Scan# 3525

Delta R.T. -0.018 min

Lab File: BM042449.D

Acq: 25 Oct 2023 22:07

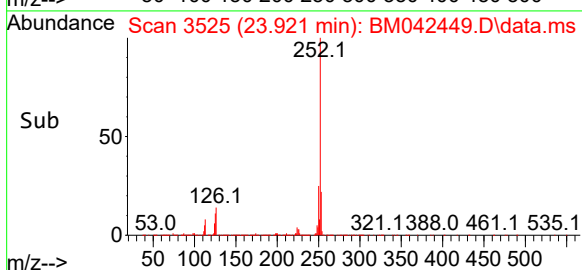
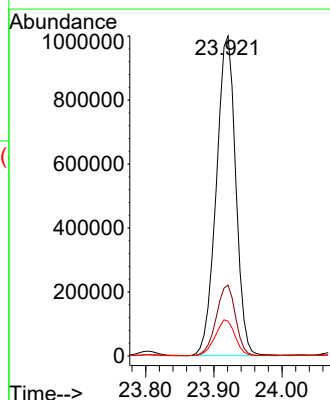
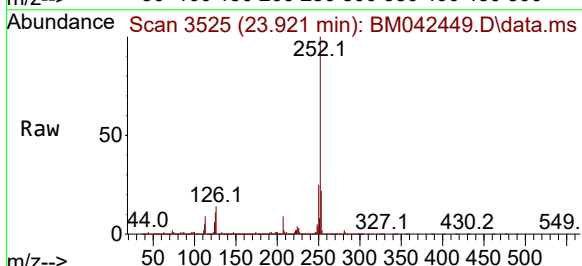
Tgt Ion:252 Resp: 1986036

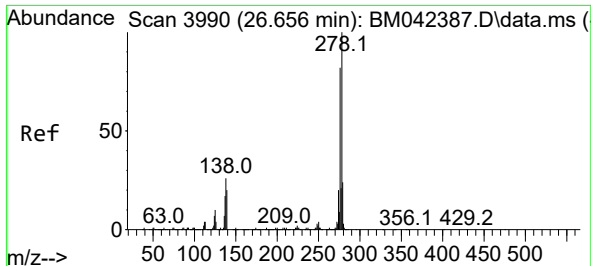
Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

125 10.9 10.9 16.3

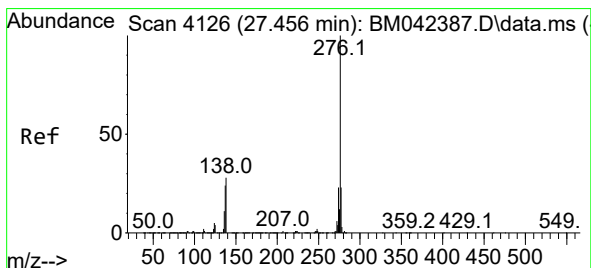
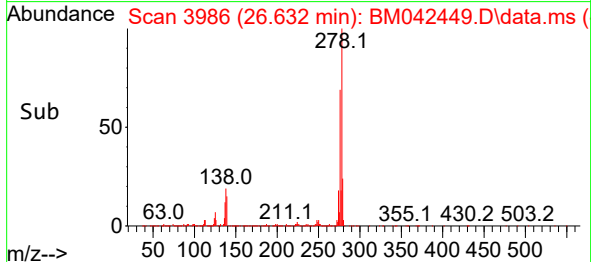
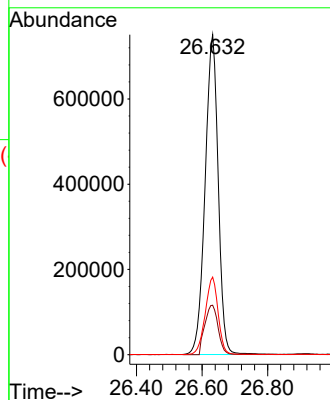
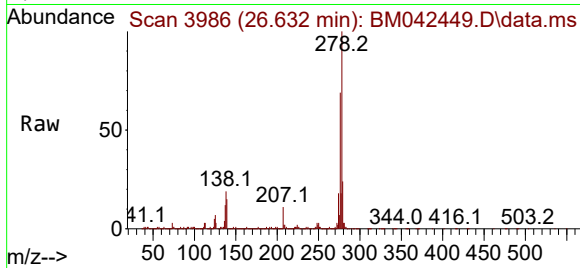




#91
Dibenzo(a,h)anthracene
Concen: 46.417 ng
RT: 26.632 min Scan# 3990
Delta R.T. -0.024 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMSD

Tgt Ion:278 Resp: 2090143
Ion Ratio Lower Upper
278 100
139 15.5 15.6 23.4#
279 24.3 19.0 28.6



#92
Benzo(g,h,i)perylene
Concen: 46.100 ng
RT: 27.421 min Scan# 4120
Delta R.T. -0.035 min
Lab File: BM042449.D
Acq: 25 Oct 2023 22:07

Tgt Ion:276 Resp: 2015981
Ion Ratio Lower Upper
276 100
277 23.8 18.3 27.5
138 23.0 22.6 34.0

