

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102523\
 Data File : BM042448.D
 Acq On : 25 Oct 2023 21:30
 Operator : MA/JU
 Sample : 04989-01MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TRENCHWAY-SOIL-PILEMS

Quant Time: Oct 26 00:49:59 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	126222	20.000	ng	0.00
21) Naphthalene-d8	10.816	136	507046	20.000	ng	0.00
39) Acenaphthene-d10	14.639	164	298137	20.000	ng	0.00
64) Phenanthrene-d10	17.386	188	639883	20.000	ng	-0.01
76) Chrysene-d12	21.568	240	608465	20.000	ng	-0.01
86) Perylene-d12	24.027	264	656497	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	891424	99.813	ng	0.00
7) Phenol-d6	7.145	99	1160544	96.966	ng	0.00
23) Nitrobenzene-d5	9.192	82	773492	67.456	ng	0.00
42) 2,4,6-Tribromophenol	16.127	330	423167	128.628	ng	-0.01
45) 2-Fluorobiphenyl	13.257	172	1516891	68.514	ng	-0.01
79) Terphenyl-d14	19.998	244	2338838	68.170	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	158985	37.805	ng	96
3) Pyridine	3.804	79	410725	33.288	ng	97
4) n-Nitrosodimethylamine	3.734	42	234023	37.566	ng	92
6) Aniline	7.334	93	409749	26.889	ng	96
8) 2-Chlorophenol	7.545	128	427191	48.205	ng	96
9) Benzaldehyde	7.151	77	134328	19.270	ng	98
10) Phenol	7.175	94	557969	45.118	ng	99
11) bis(2-Chloroethyl)ether	7.428	93	434751	42.818	ng	96
12) 1,3-Dichlorobenzene	7.869	146	457171	49.876	ng	98
13) 1,4-Dichlorobenzene	8.028	146	473058	51.270	ng	98
14) 1,2-Dichlorobenzene	8.339	146	452620	51.087	ng	98
15) Benzyl Alcohol	8.251	79	407847	45.969	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.522	45	684811	42.625	ng	98
17) 2-Methylphenol	8.434	107	363143	44.498	ng	99
18) Hexachloroethane	9.057	117	181561	51.114	ng	# 90
19) n-Nitroso-di-n-propyla...	8.810	70	358606	44.207	ng	96
20) 3+4-Methylphenols	8.763	107	486265	44.424	ng	98
22) Acetophenone	8.839	105	655603	47.394	ng	# 96
24) Nitrobenzene	9.234	77	527478	45.981	ng	98
25) Isophorone	9.745	82	946356	48.565	ng	97
26) 2-Nitrophenol	9.933	139	229589	51.774	ng	95
27) 2,4-Dimethylphenol	9.975	122	358050	45.298	ng	98
28) bis(2-Chloroethoxy)met...	10.228	93	576973	46.734	ng	99
29) 2,4-Dichlorophenol	10.451	162	400255	58.229	ng	96
30) 1,2,4-Trichlorobenzene	10.663	180	428373	58.132	ng	98
31) Naphthalene	10.863	128	1322172	50.767	ng	100
32) Benzoic acid	10.110	122	323733	55.110	ng	98
33) 4-Chloroaniline	10.998	127	230402	20.376	ng	98
34) Hexachlorobutadiene	11.092	225	257309	64.528	ng	98
35) Caprolactam	11.827	113	134452	49.118	ng	92
36) 4-Chloro-3-methylphenol	12.098	107	440354	53.087	ng	97
37) 2-Methylnaphthalene	12.469	142	877587	50.056	ng	98
38) 1-Methylnaphthalene	12.686	142	856212	52.131	ng	99
40) 1,2,4,5-Tetrachloroben...	12.816	216	479375	55.618	ng	98
41) Hexachlorocyclopentadiene	12.763	237	312298	67.580	ng	99
43) 2,4,6-Trichlorophenol	13.069	196	321597	57.639	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102523\
 Data File : BM042448.D
 Acq On : 25 Oct 2023 21:30
 Operator : MA/JU
 Sample : 04989-01MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TRENCHWAY-SOIL-PILEMS

Quant Time: Oct 26 00:49:59 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

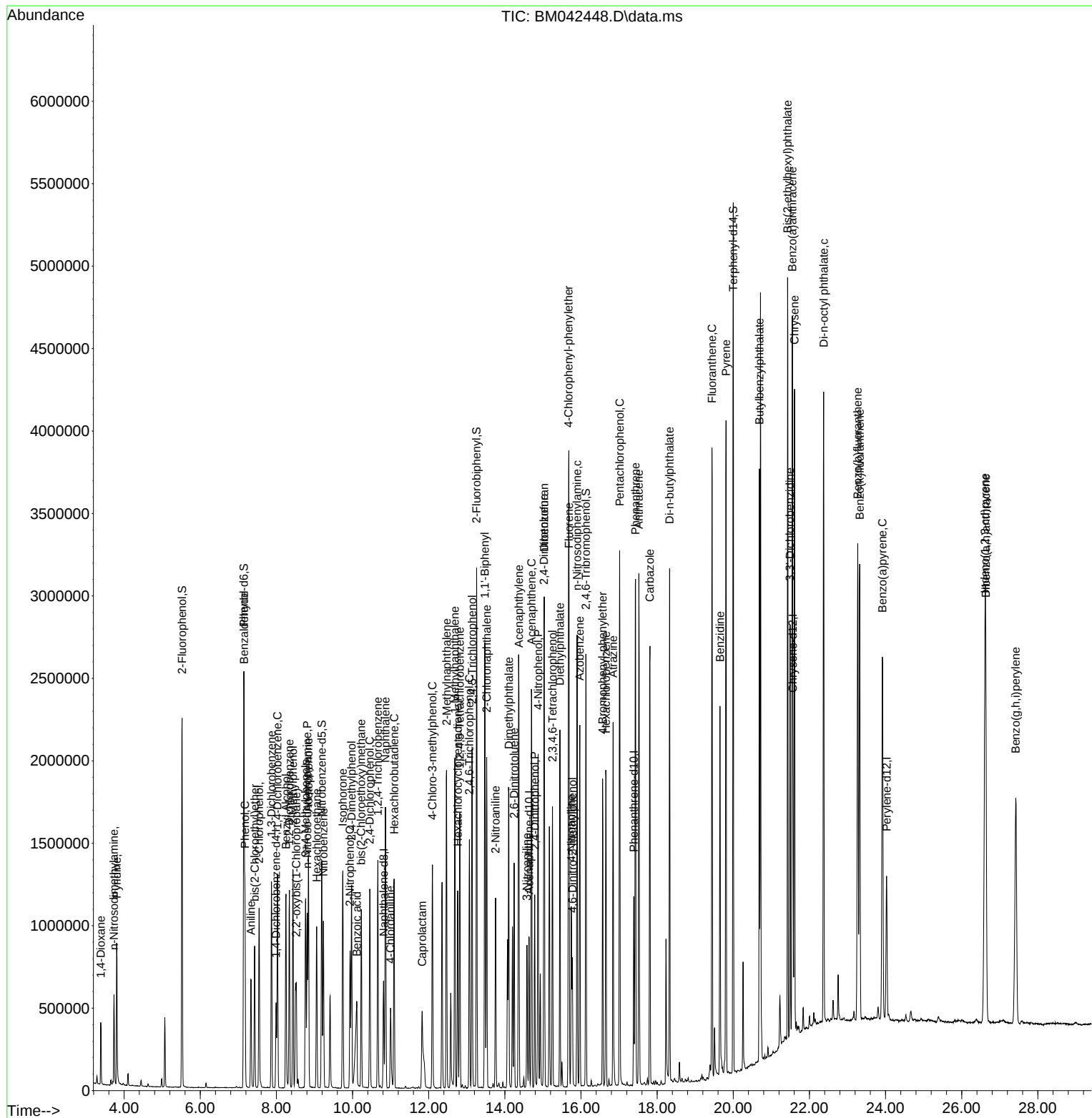
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.139	196	346298	52.504	ng	95
46) 1,1'-Biphenyl	13.474	154	1160416	49.063	ng	98
47) 2-Chloronaphthalene	13.521	162	889874	51.284	ng	98
48) 2-Nitroaniline	13.757	65	316530	41.798	ng	91
49) Acenaphthylene	14.368	152	1469346	52.452	ng	100
50) Dimethylphthalate	14.104	163	1077210	49.259	ng	99
51) 2,6-Dinitrotoluene	14.245	165	237201	48.036	ng	84
52) Acenaphthene	14.698	154	840815	49.646	ng	98
53) 3-Nitroaniline	14.580	138	179451	31.830	ng	99
54) 2,4-Dinitrophenol	14.786	184	207412	69.057	ng	89
55) Dibenzofuran	15.033	168	1352606	50.494	ng	98
56) 4-Nitrophenol	14.874	139	460760	103.451	ng	91
57) 2,4-Dinitrotoluene	15.027	165	318366	48.190	ng	86
58) Fluorene	15.686	166	1098135	51.951	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.251	232	307349	62.030	ng	89
60) Diethylphthalate	15.445	149	1079815	50.037	ng	98
61) 4-Chlorophenyl-phenyle...	15.674	204	548951	55.145	ng	93
62) 4-Nitroaniline	15.745	138	238009	42.810	ng	98
63) Azobenzene	15.968	77	1202753	46.454	ng	94
65) 4,6-Dinitro-2-methylph...	15.774	198	137819	35.530	ng	82
66) n-Nitrosodiphenylamine	15.898	169	937508	48.643	ng	98
67) 4-Bromophenyl-phenylether	16.568	248	301453	50.831	ng	95
68) Hexachlorobenzene	16.657	284	384443	60.645	ng	# 89
69) Atrazine	16.845	200	343776	70.338	ng	99
70) Pentachlorophenol	17.015	266	550404	102.209	ng	100
71) Phenanthrene	17.433	178	1789871	51.419	ng	100
72) Anthracene	17.521	178	1770615	51.359	ng	99
73) Carbazole	17.809	167	1642925	50.799	ng	99
74) Di-n-butylphthalate	18.327	149	2037423	49.646	ng	99
75) Fluoranthene	19.439	202	2207540	57.582	ng	98
77) Benzidine	19.650	184	1204553	136.866	ng	100
78) Pyrene	19.809	202	2295178	53.980	ng	100
80) Butylbenzylphthalate	20.686	149	972052	50.269	ng	# 91
81) Benzo(a)anthracene	21.550	228	2149697	52.701	ng	100
82) 3,3'-Dichlorobenzidine	21.492	252	693434	56.948	ng	# 98
83) Chrysene	21.609	228	1941916	49.567	ng	99
84) Bis(2-ethylhexyl)phtha...	21.427	149	1454292	52.720	ng	96
85) Di-n-octyl phthalate	22.374	149	2513989	52.775	ng	95
87) Indeno(1,2,3-cd)pyrene	26.609	276	2267441	47.261	ng	94
88) Benzo(b)fluoranthene	23.268	252	2052467	51.940	ng	# 97
89) Benzo(k)fluoranthene	23.321	252	1950387	47.540	ng	# 97
90) Benzo(a)pyrene	23.915	252	1786603	46.973	ng	97
91) Dibenzo(a,h)anthracene	26.632	278	1869296	46.863	ng	96
92) Benzo(g,h,i)perylene	27.421	276	1800215	46.471	ng	# 93

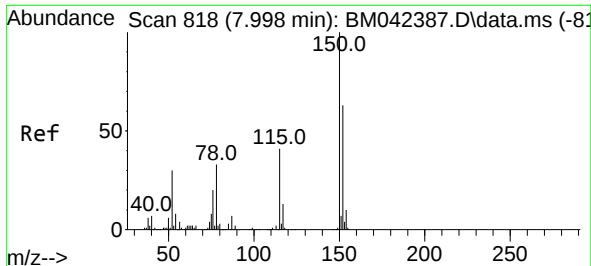
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102523\
 Data File : BM042448.D
 Acq On : 25 Oct 2023 21:30
 Operator : MA/JU
 Sample : 04989-01MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TRENCHWAY-SOIL-PILEMS

Quant Time: Oct 26 00:49:59 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

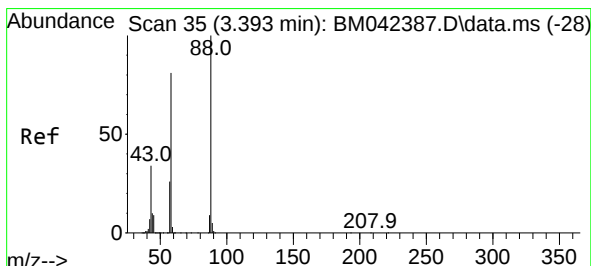
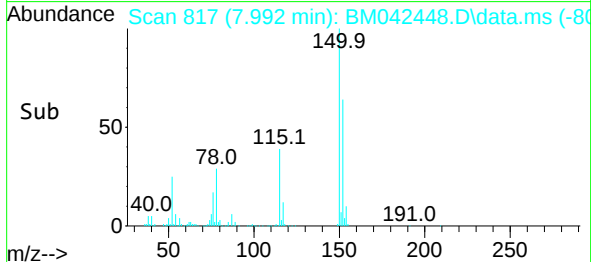
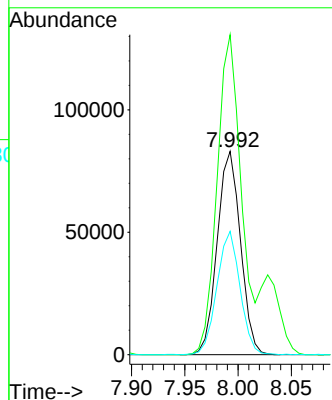
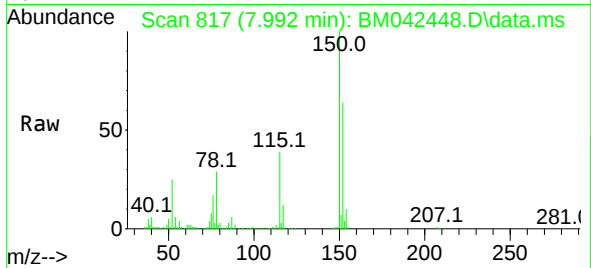




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.992 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BM042448.D
 Acq: 25 Oct 2023 21:30

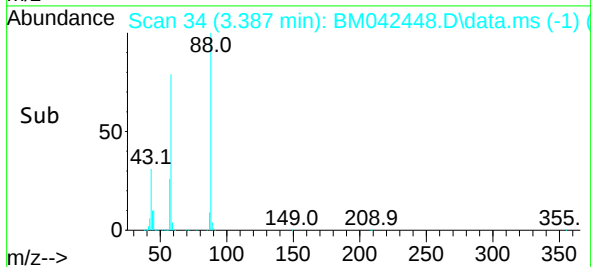
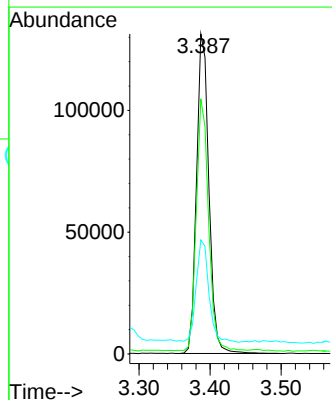
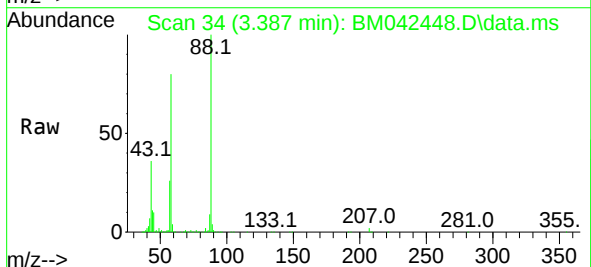
Instrument :
 BNA_M
 ClientSampleId :
 TRENCHWAY-SOIL-PILEMS

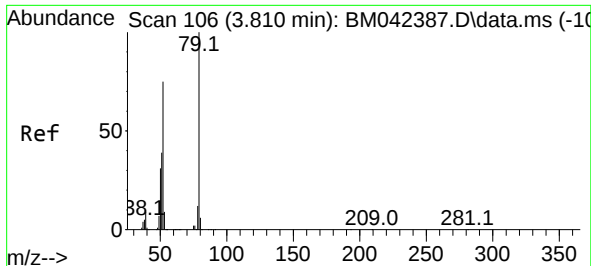
Tgt Ion:152 Resp: 126222
 Ion Ratio Lower Upper
 152 100
 150 157.4 126.2 189.4
 115 60.7 51.9 77.9



#2
 1,4-Dioxane
 Concen: 37.805 ng
 RT: 3.387 min Scan# 34
 Delta R.T. -0.006 min
 Lab File: BM042448.D
 Acq: 25 Oct 2023 21:30

Tgt Ion: 88 Resp: 158985
 Ion Ratio Lower Upper
 88 100
 58 77.7 64.9 97.3
 43 32.9 27.8 41.8

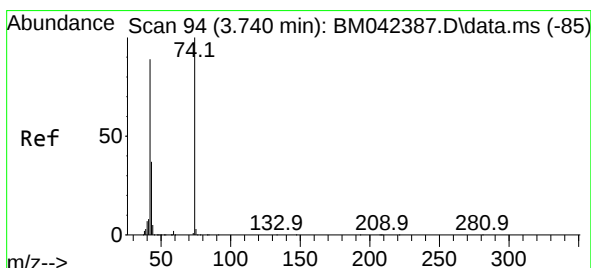
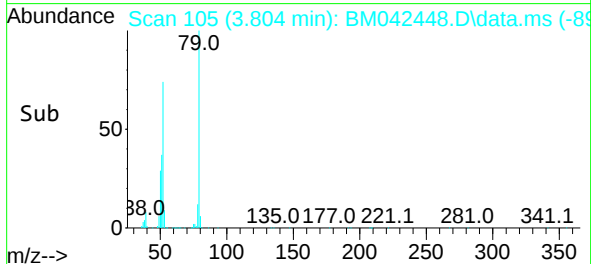
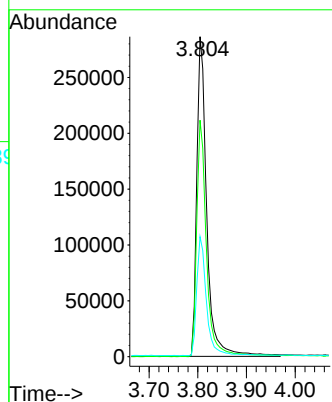
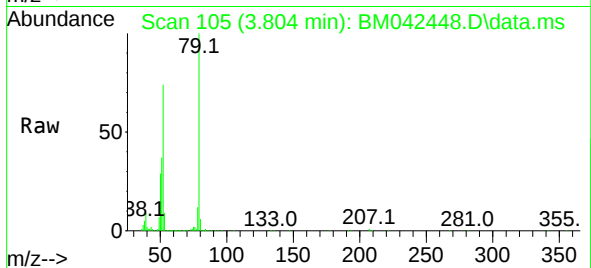




#3
Pyridine
Concen: 33.288 ng
RT: 3.804 min Scan# 10
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

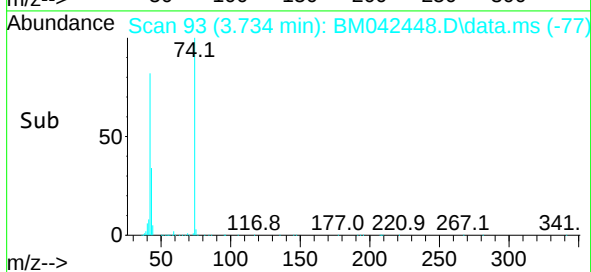
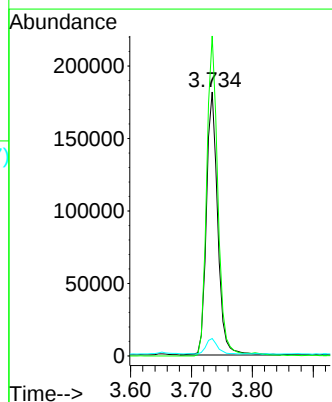
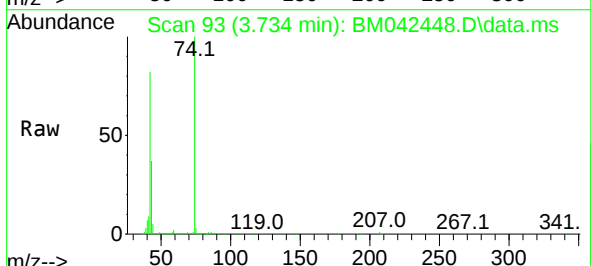
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMS

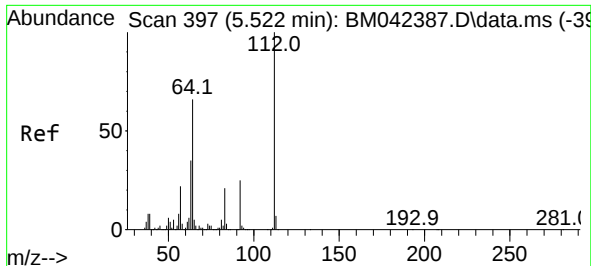
Tgt Ion: 79 Resp: 410725
Ion Ratio Lower Upper
79 100
52 73.9 60.3 90.5
51 37.5 32.0 48.0



#4
n-Nitrosodimethylamine
Concen: 37.566 ng
RT: 3.734 min Scan# 93
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Tgt Ion: 42 Resp: 234023
Ion Ratio Lower Upper
42 100
74 121.2 89.4 134.2
44 6.6 5.4 8.0

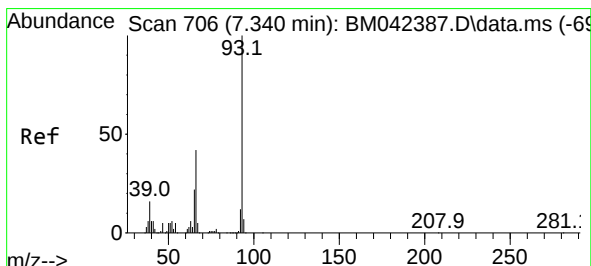
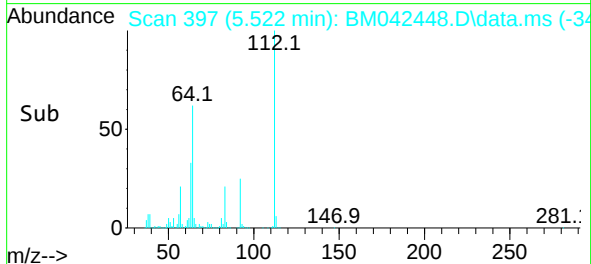
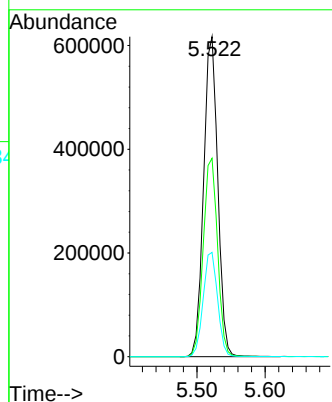
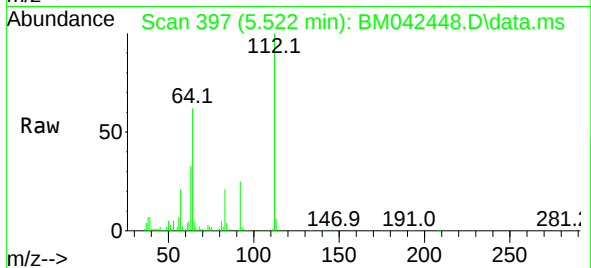




#5
2-Fluorophenol
Concen: 99.813 ng
RT: 5.522 min Scan# 397
Delta R.T. -0.000 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

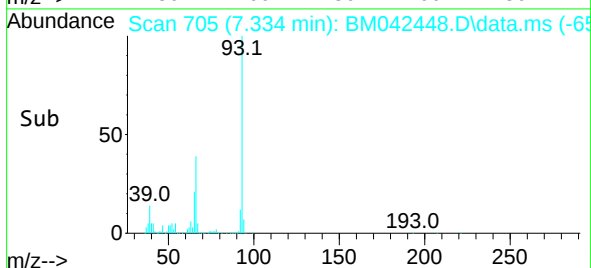
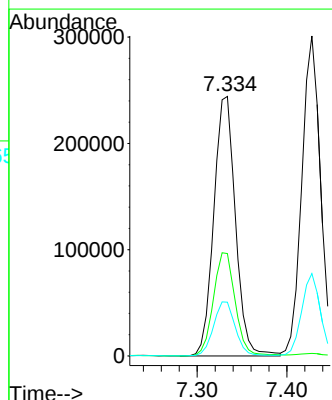
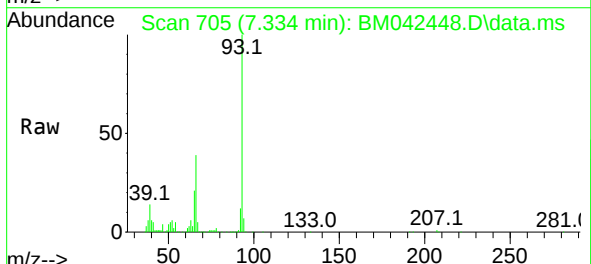
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMS

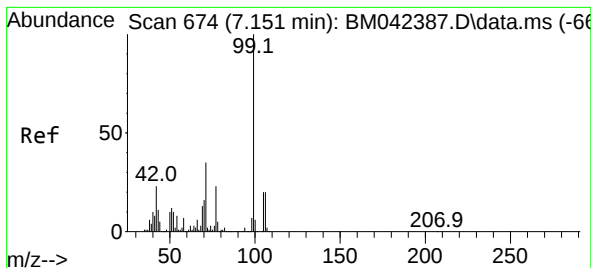
Tgt Ion:112 Resp: 891424
Ion Ratio Lower Upper
112 100
64 62.0 52.7 79.1
63 32.6 28.3 42.5



#6
Aniline
Concen: 26.889 ng
RT: 7.334 min Scan# 705
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Tgt Ion: 93 Resp: 409749
Ion Ratio Lower Upper
93 100
66 39.4 33.8 50.8
65 20.7 17.4 26.2

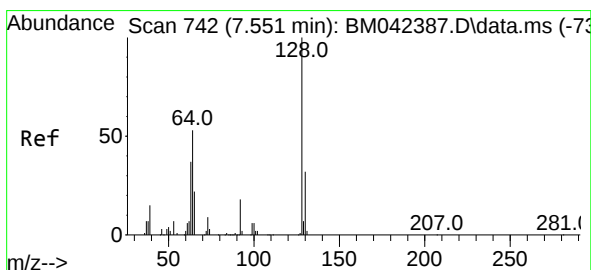
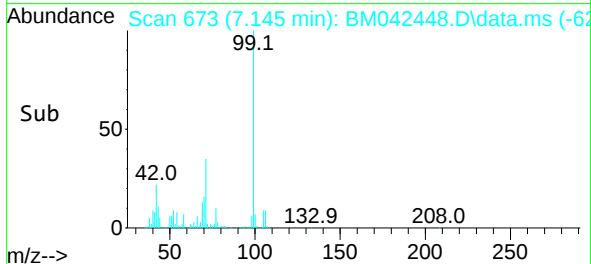
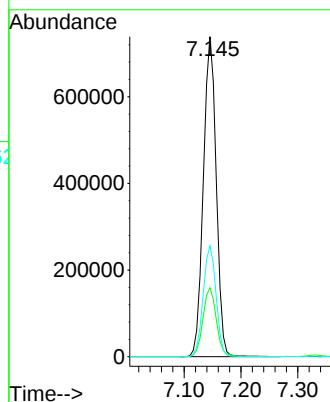
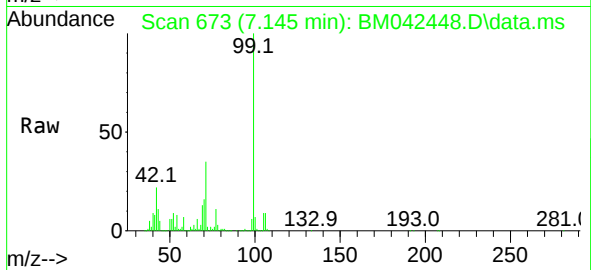




#7
Phenol-d6
Concen: 96.966 ng
RT: 7.145 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

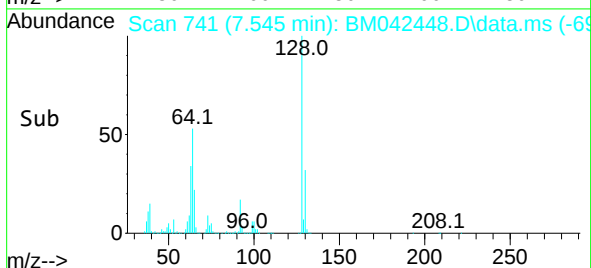
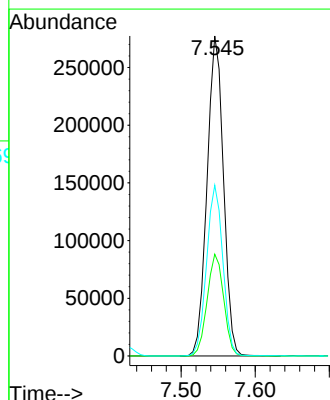
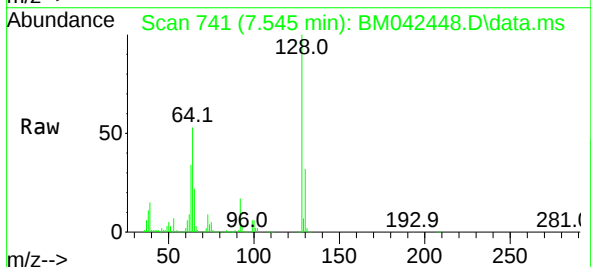
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMS

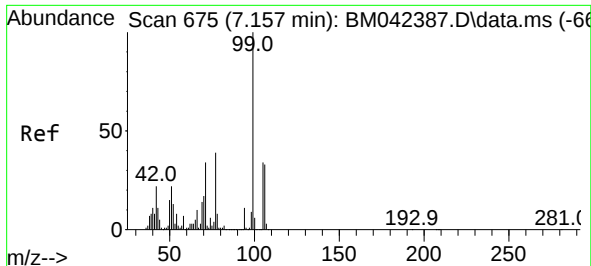
Tgt Ion: 99 Resp: 1160544
Ion Ratio Lower Upper
99 100
42 21.6 18.5 27.7
71 34.6 27.7 41.5



#8
2-Chlorophenol
Concen: 48.205 ng
RT: 7.545 min Scan# 741
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Tgt Ion:128 Resp: 427191
Ion Ratio Lower Upper
128 100
130 31.8 12.1 52.1
64 53.3 38.2 78.2

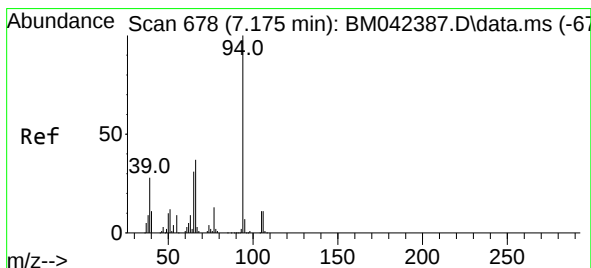
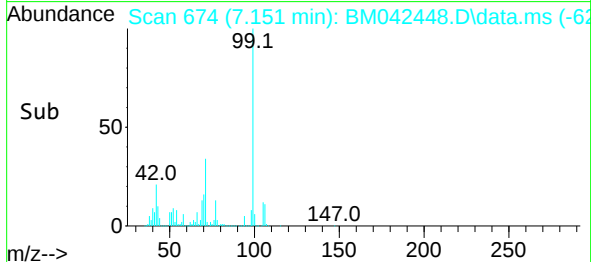
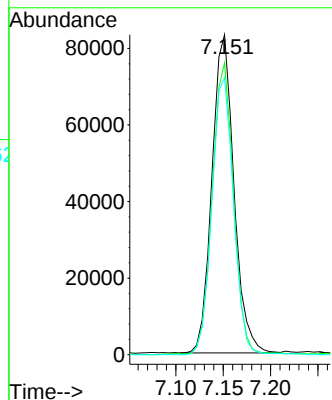
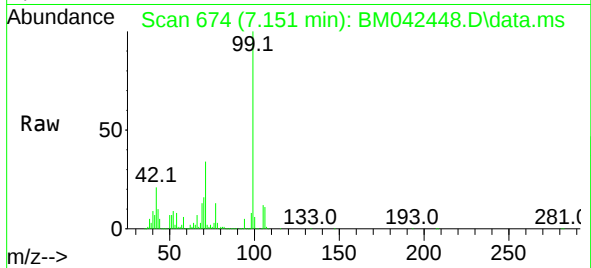




#9
Benzaldehyde
Concen: 19.270 ng
RT: 7.151 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

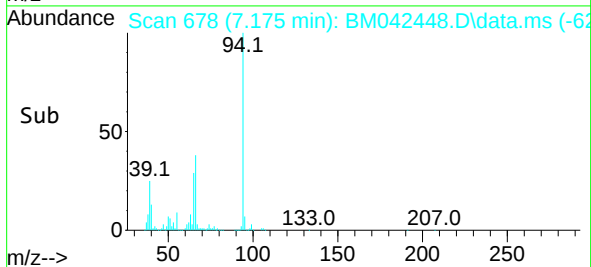
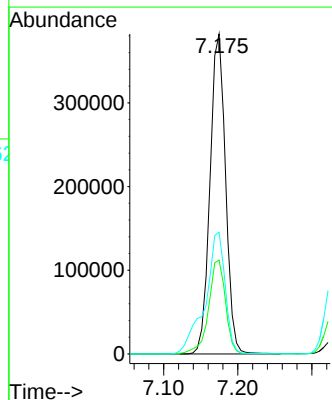
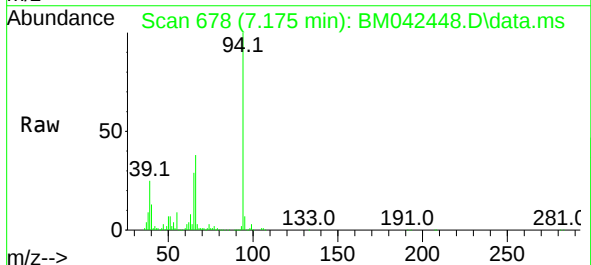
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMS

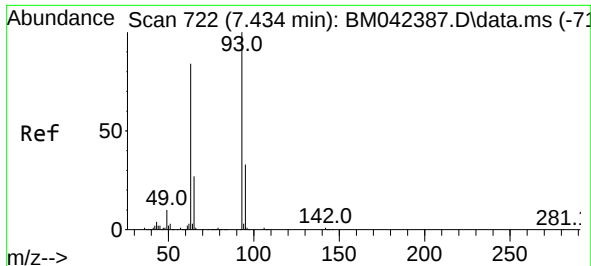
Tgt Ion: 77 Resp: 134328
Ion Ratio Lower Upper
77 100
105 91.2 68.7 108.7
106 86.6 65.8 105.8



#10
Phenol
Concen: 45.118 ng
RT: 7.175 min Scan# 678
Delta R.T. -0.000 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Tgt Ion: 94 Resp: 557969
Ion Ratio Lower Upper
94 100
65 29.3 10.9 50.9
66 38.0 18.2 58.2

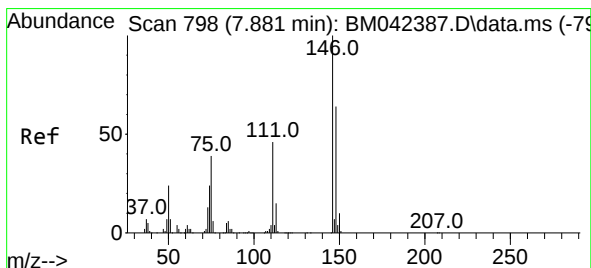
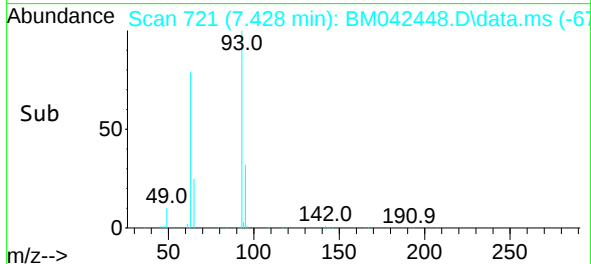
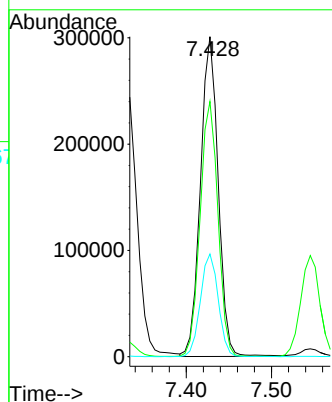
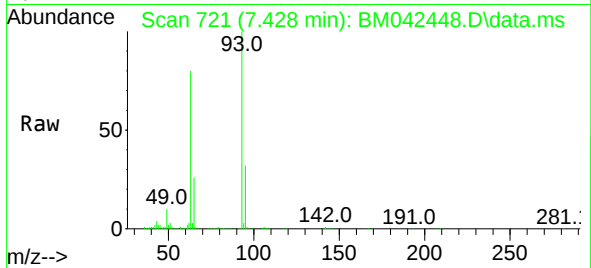




#11
bis(2-Chloroethyl)ether
Concen: 42.818 ng
RT: 7.428 min Scan# 711
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

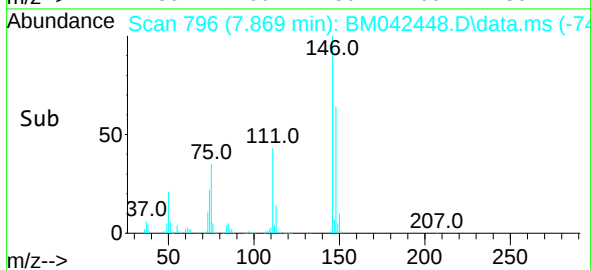
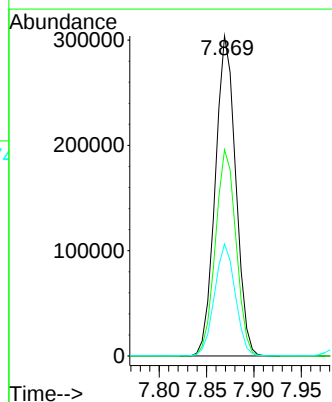
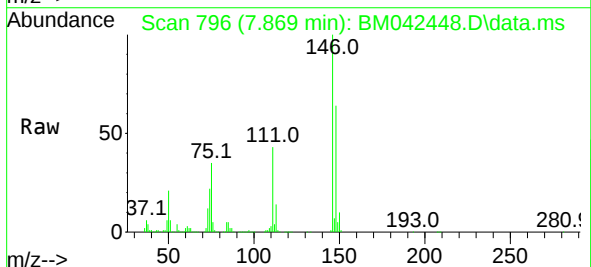
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMS

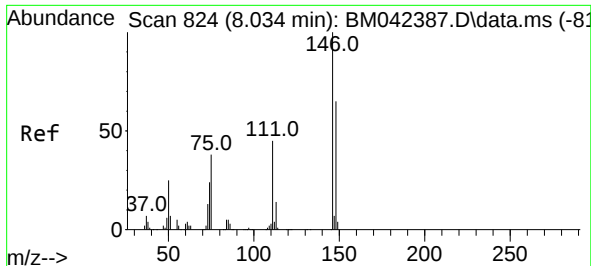
Tgt Ion: 93 Resp: 434751
Ion Ratio Lower Upper
93 100
63 79.7 64.2 104.2
95 32.1 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 49.876 ng
RT: 7.869 min Scan# 796
Delta R.T. -0.012 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Tgt Ion:146 Resp: 457171
Ion Ratio Lower Upper
146 100
148 64.5 51.4 77.2
75 35.0 30.9 46.3

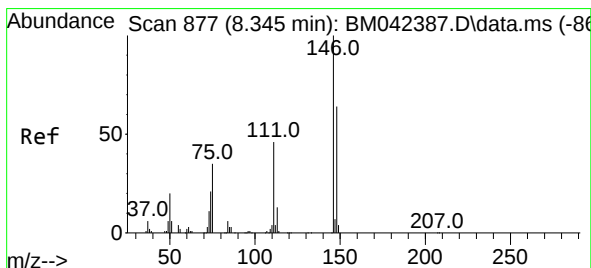
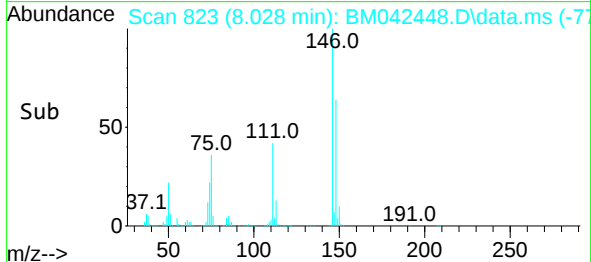
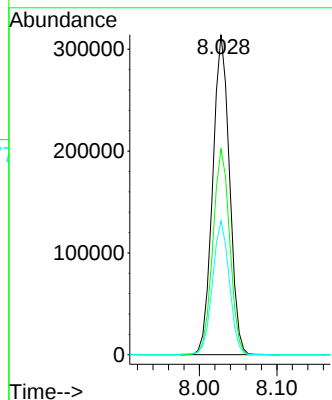
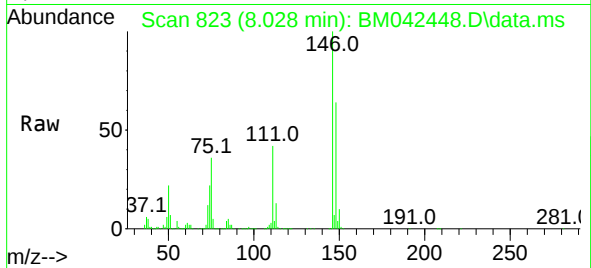




#13
1,4-Dichlorobenzene
Concen: 51.270 ng
RT: 8.028 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

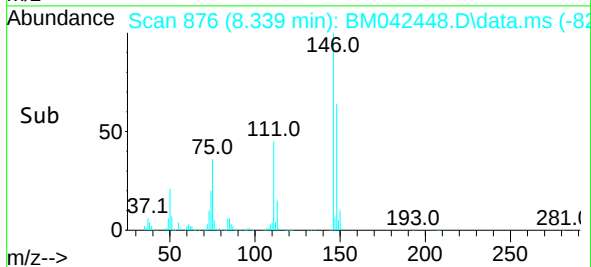
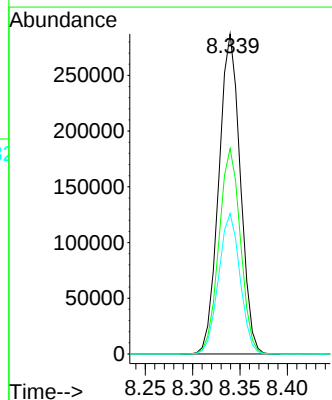
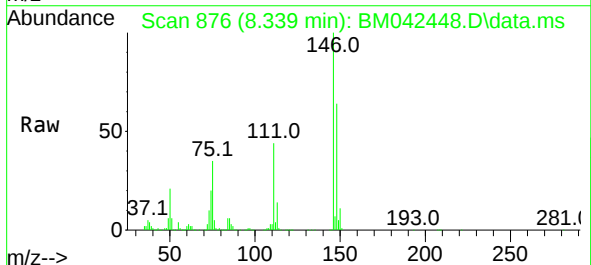
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMS

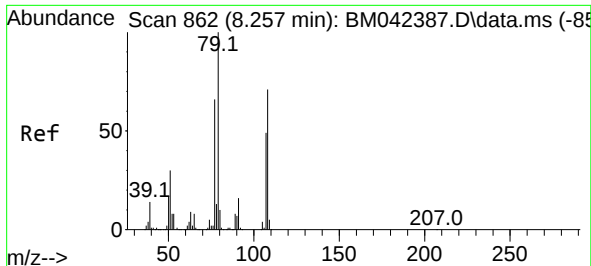
Tgt Ion:146 Resp: 473058
Ion Ratio Lower Upper
146 100
148 64.3 51.8 77.6
111 41.8 35.9 53.9



#14
1,2-Dichlorobenzene
Concen: 51.087 ng
RT: 8.339 min Scan# 876
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Tgt Ion:146 Resp: 452620
Ion Ratio Lower Upper
146 100
148 64.2 51.0 76.4
111 43.9 37.2 55.8

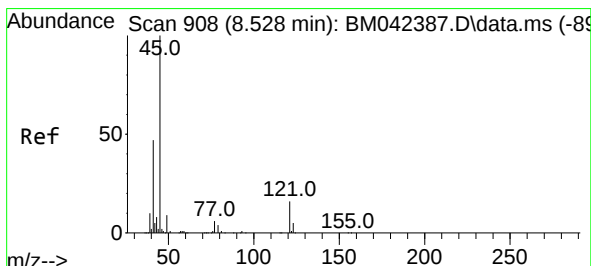
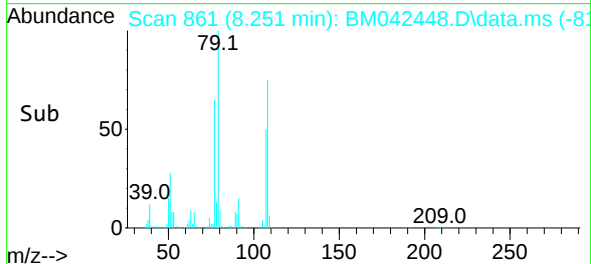
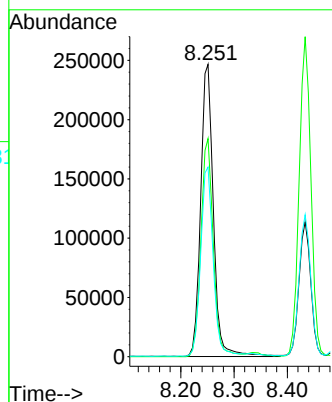
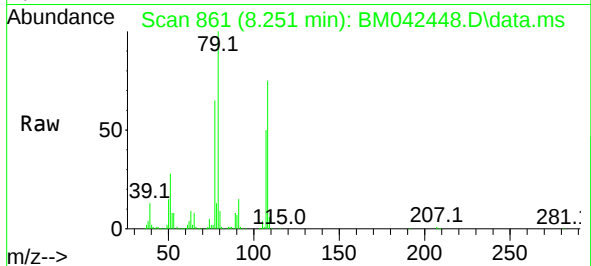




#15
Benzyl Alcohol
Concen: 45.969 ng
RT: 8.251 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

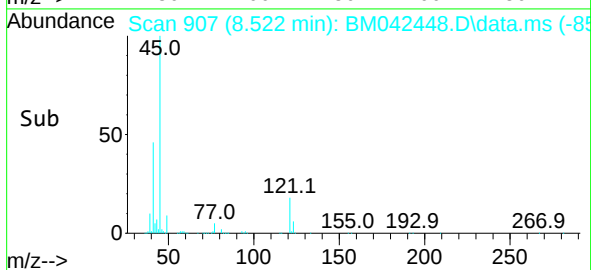
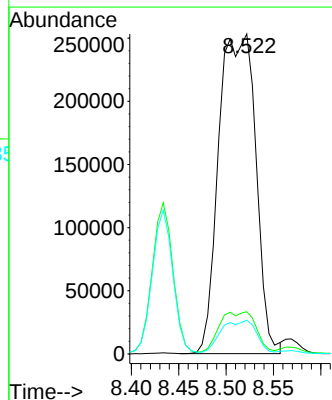
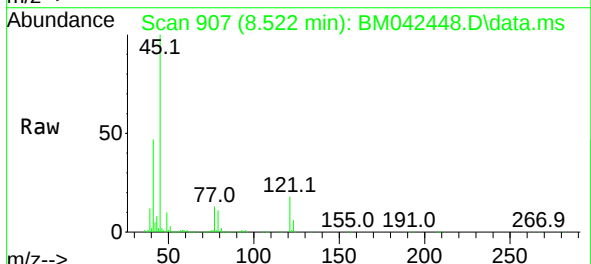
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMS

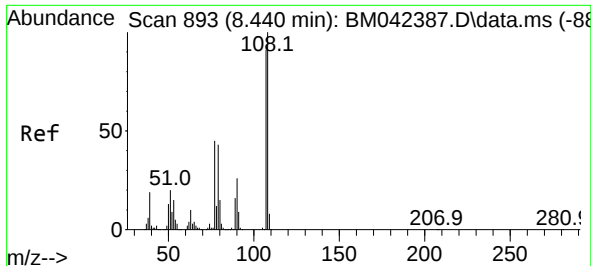
Tgt Ion: 79 Resp: 407847
Ion Ratio Lower Upper
79 100
108 74.6 57.1 85.7
77 64.8 52.9 79.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.625 ng
RT: 8.522 min Scan# 907
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Tgt Ion: 45 Resp: 684811
Ion Ratio Lower Upper
45 100
77 13.2 0.0 32.2
79 10.5 0.0 30.4

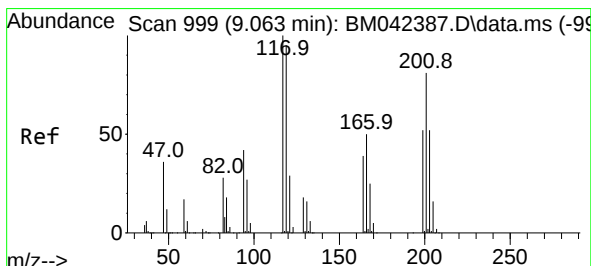
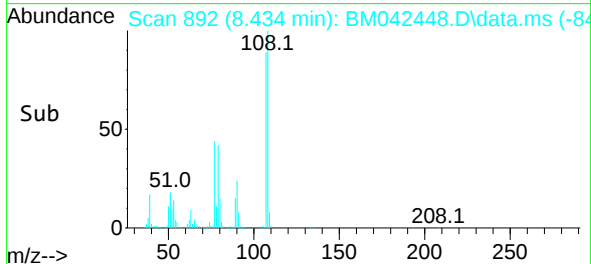
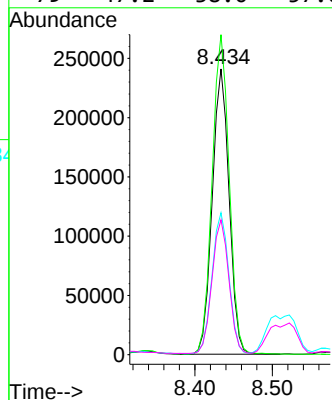
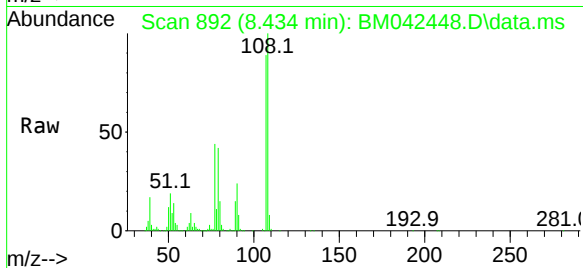




#17
2-Methylphenol
Concen: 44.498 ng
RT: 8.434 min Scan# 892
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

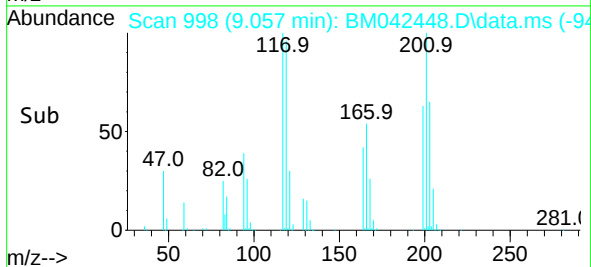
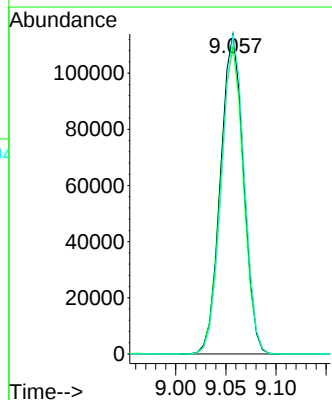
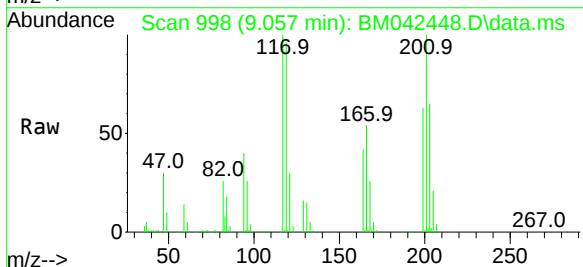
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMS

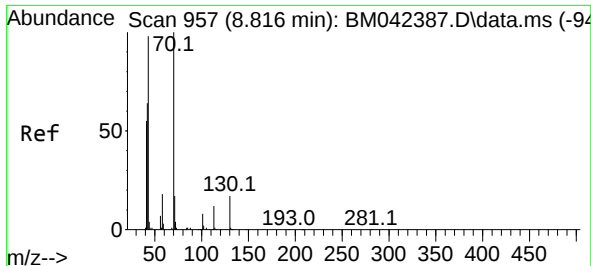
Tgt Ion:107 Resp: 363143
Ion Ratio Lower Upper
107 100
108 112.0 88.2 132.4
77 49.7 40.1 60.1
79 47.2 38.0 57.0



#18
Hexachloroethane
Concen: 51.114 ng
RT: 9.057 min Scan# 998
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Tgt Ion:117 Resp: 181561
Ion Ratio Lower Upper
117 100
119 96.1 75.9 113.9
201 99.7 64.6 97.0#

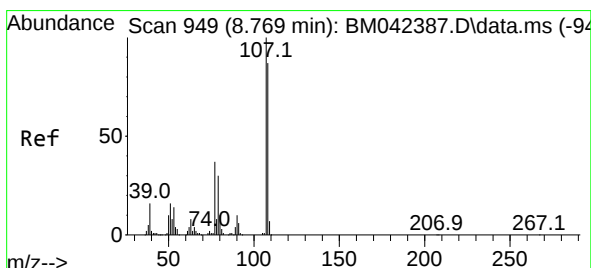
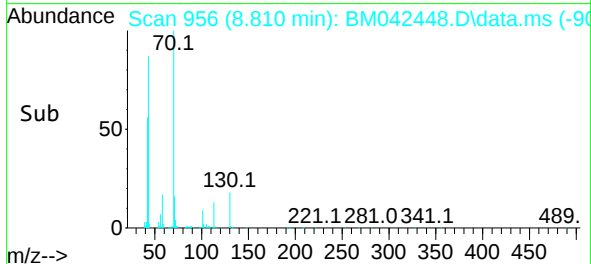
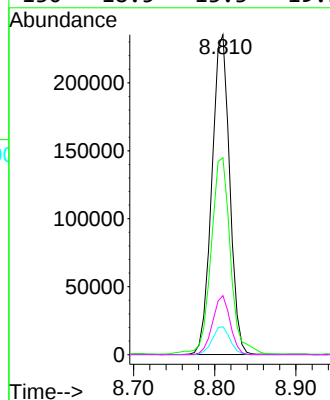
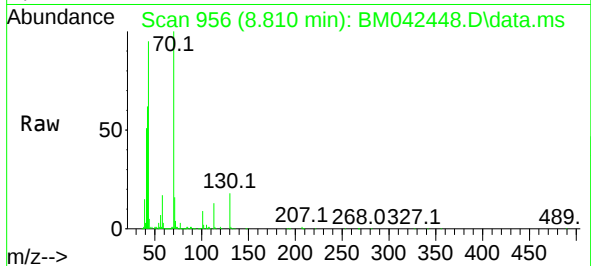




#19
n-Nitroso-di-n-propylamine
Concen: 44.207 ng
RT: 8.810 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

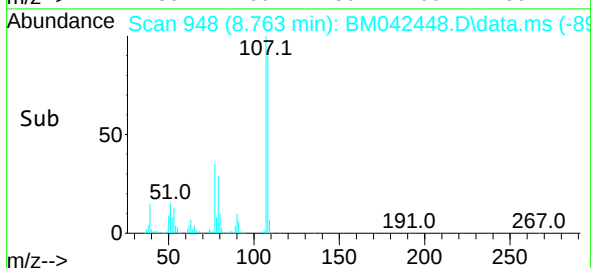
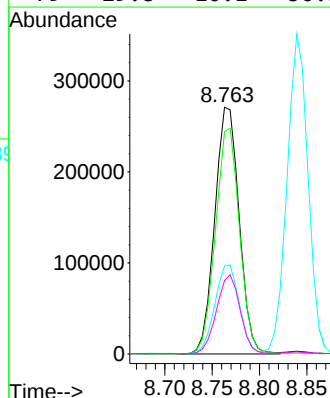
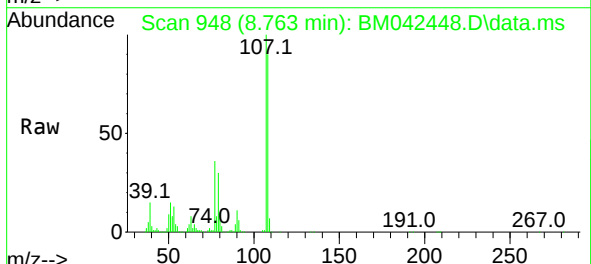
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMS

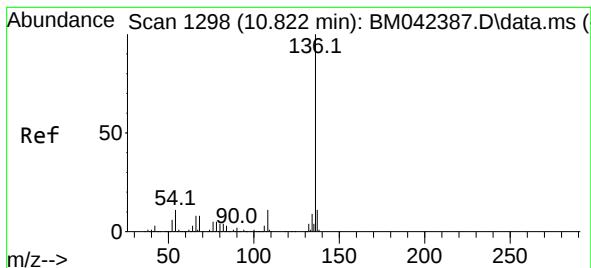
Tgt Ion: 70 Resp: 358606
Ion Ratio Lower Upper
70 100
42 61.6 52.1 78.1
101 8.7 6.5 9.7
130 18.5 13.3 19.9



#20
3+4-Methylphenols
Concen: 44.424 ng
RT: 8.763 min Scan# 948
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Tgt Ion: 107 Resp: 486265
Ion Ratio Lower Upper
107 100
108 90.1 67.2 107.2
77 35.7 16.8 56.8
79 29.8 10.1 50.1

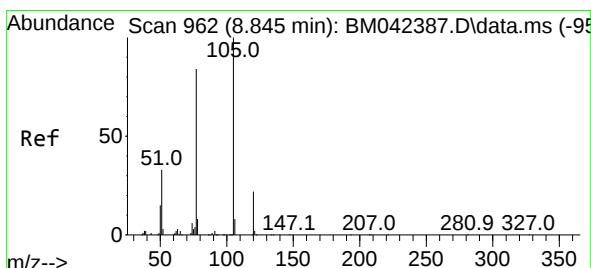
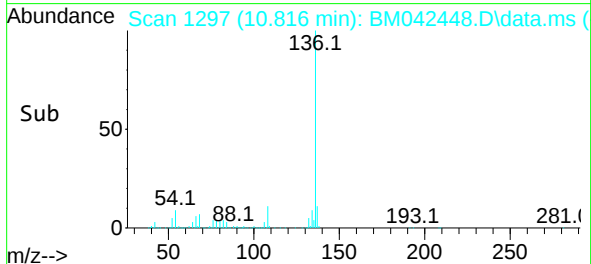
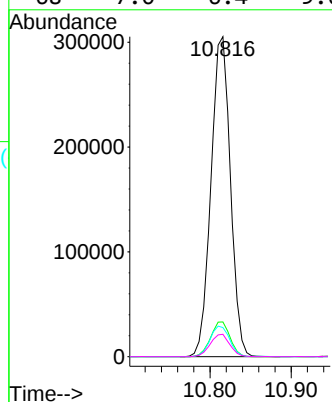
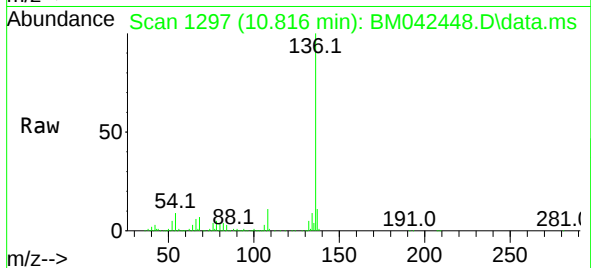




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.816 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

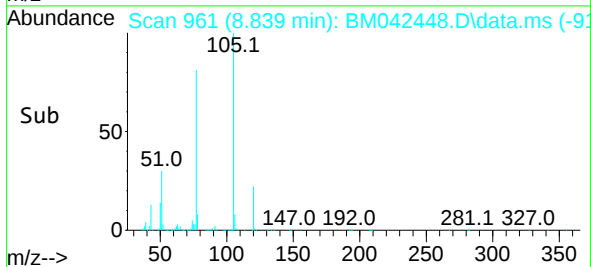
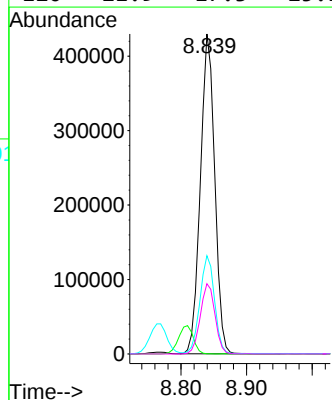
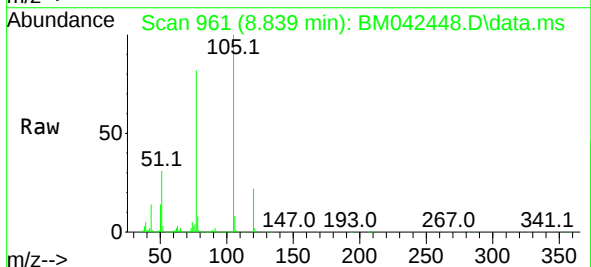
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMS

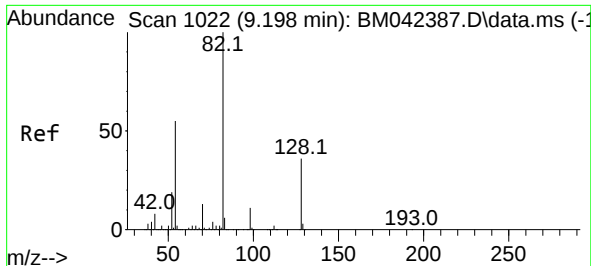
Tgt Ion:136 Resp: 507046
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 9.1 8.6 12.8
68 7.0 6.4 9.6



#22
Acetophenone
Concen: 47.394 ng
RT: 8.839 min Scan# 961
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Tgt Ion:105 Resp: 655603
Ion Ratio Lower Upper
105 100
71 0.1 0.1 0.1#
51 30.7 27.1 40.7
120 21.9 17.3 25.9

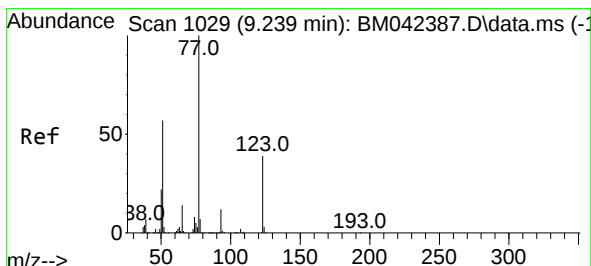
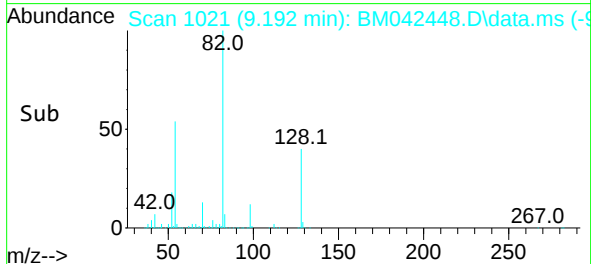
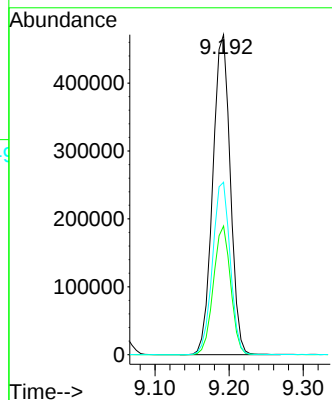
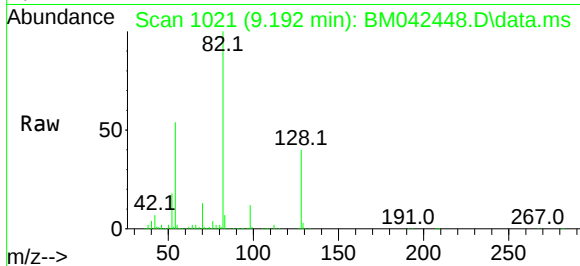




#23
Nitrobenzene-d5
Concen: 67.456 ng
RT: 9.192 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

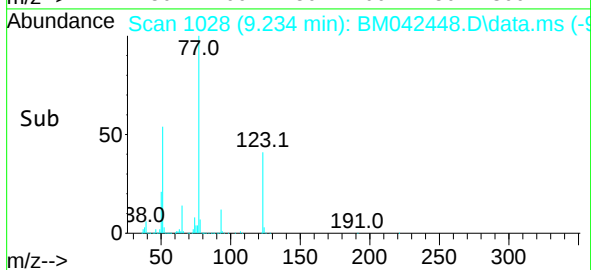
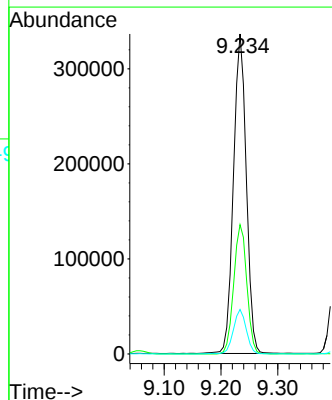
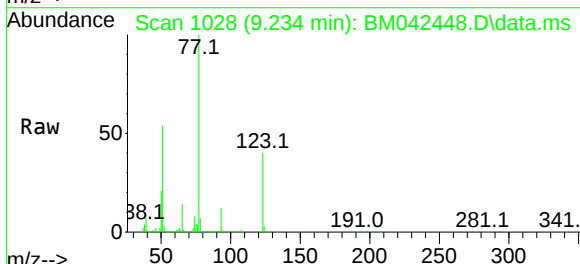
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMS

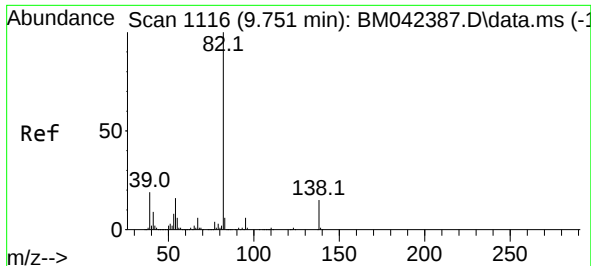
Tgt Ion: 82 Resp: 773492
Ion Ratio Lower Upper
82 100
128 40.2 29.0 43.6
54 53.9 43.7 65.5



#24
Nitrobenzene
Concen: 45.981 ng
RT: 9.234 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Tgt Ion: 77 Resp: 527478
Ion Ratio Lower Upper
77 100
123 40.4 31.2 46.8
65 13.9 11.4 17.0





#25

Isophorone

Concen: 48.565 ng

RT: 9.745 min Scan# 1116

Delta R.T. -0.006 min

Lab File: BM042448.D

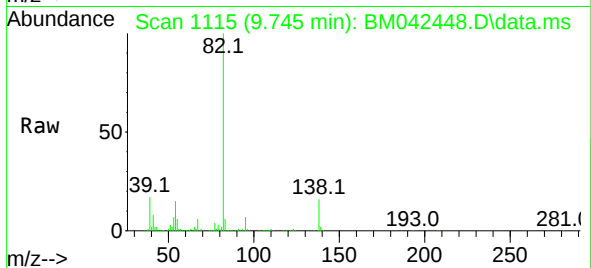
Acq: 25 Oct 2023 21:30

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMS



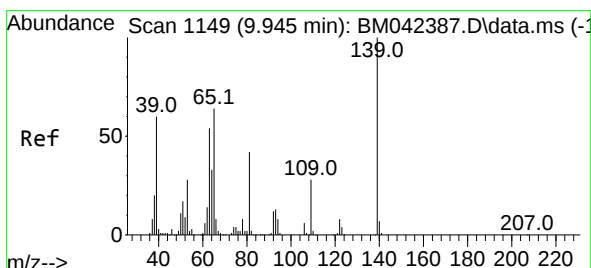
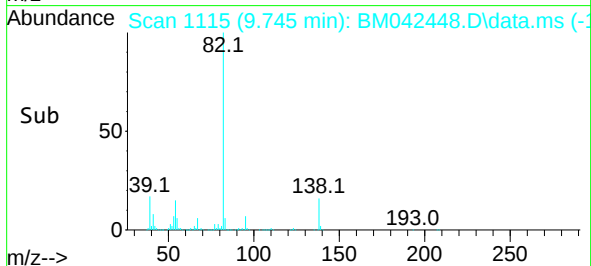
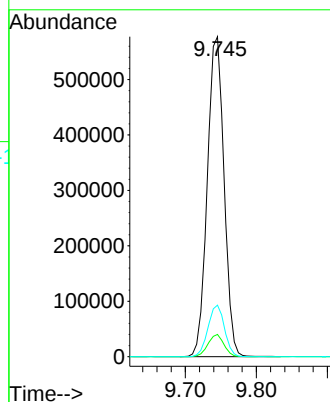
Tgt Ion: 82 Resp: 946356

Ion Ratio Lower Upper

82 100

95 6.9 5.1 7.7

138 16.1 11.8 17.6



#26

2-Nitrophenol

Concen: 51.774 ng

RT: 9.933 min Scan# 1147

Delta R.T. -0.012 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

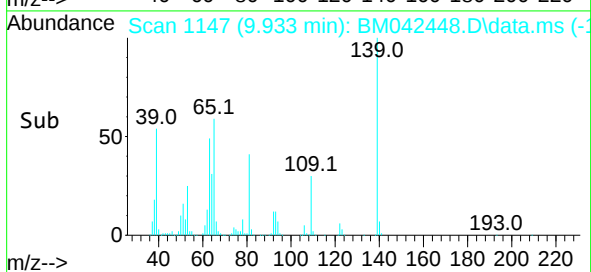
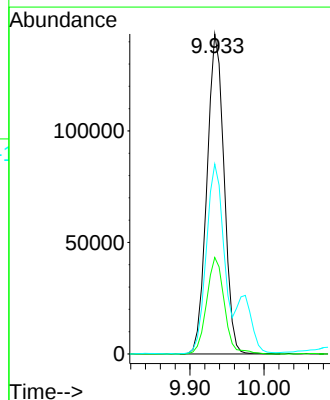
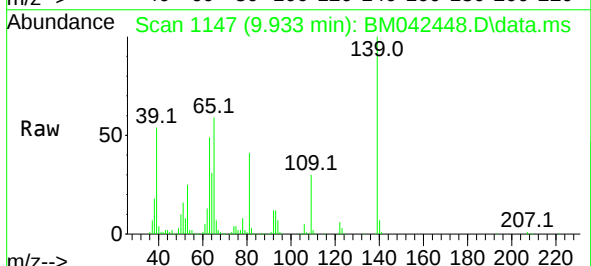
Tgt Ion:139 Resp: 229589

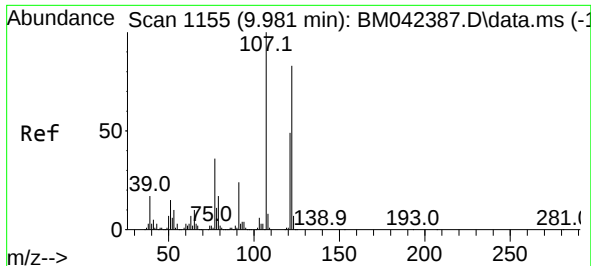
Ion Ratio Lower Upper

139 100

109 30.2 22.3 33.5

65 59.4 51.1 76.7

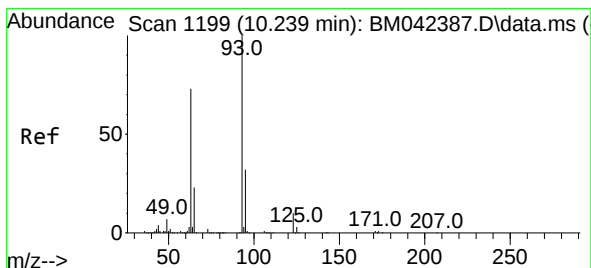
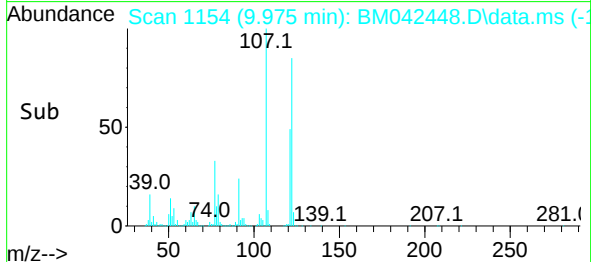
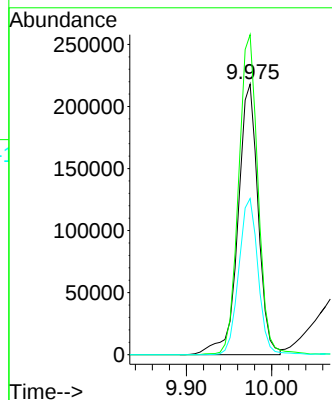
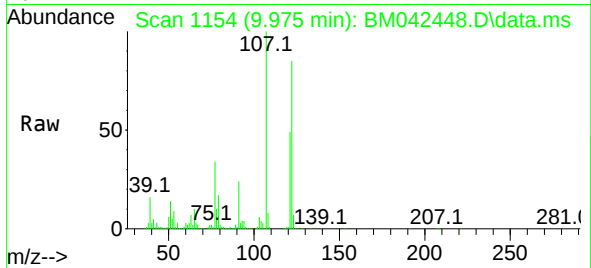




#27
2,4-Dimethylphenol
Concen: 45.298 ng
RT: 9.975 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

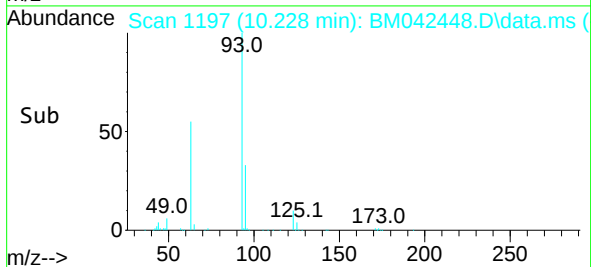
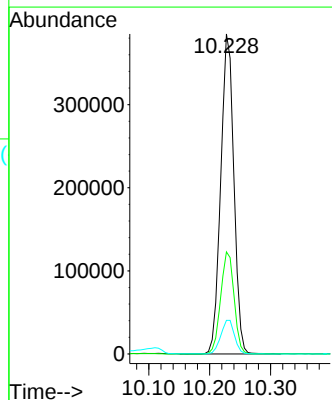
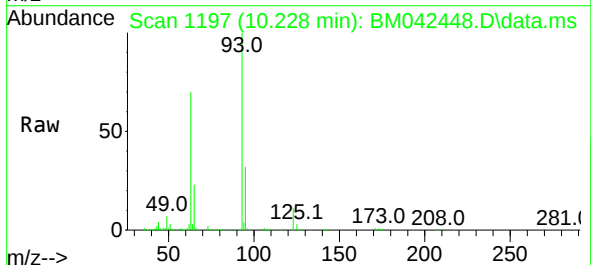
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMS

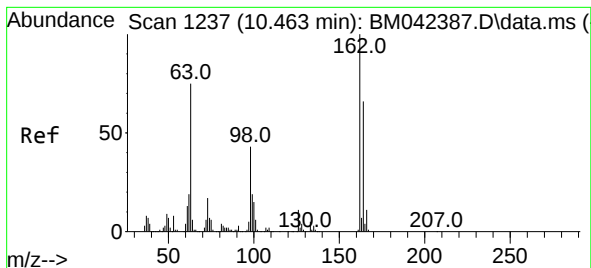
Tgt Ion:122 Resp: 358050
Ion Ratio Lower Upper
122 100
107 118.3 96.3 144.5
121 57.7 47.0 70.6



#28
bis(2-Chloroethoxy)methane
Concen: 46.734 ng
RT: 10.228 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Tgt Ion: 93 Resp: 576973
Ion Ratio Lower Upper
93 100
95 31.9 25.8 38.6
123 10.5 8.2 12.2

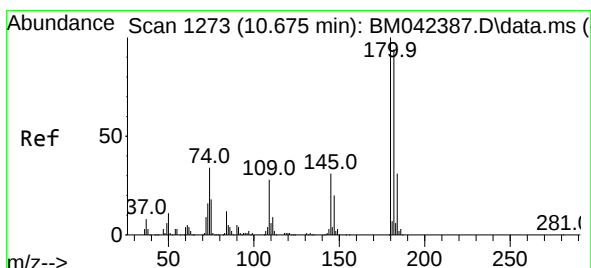
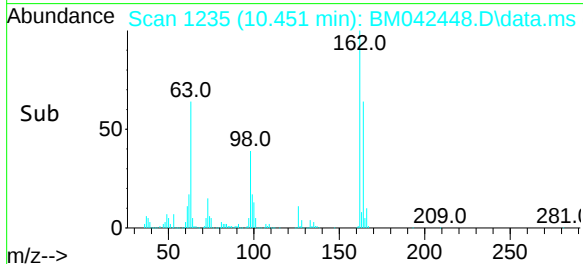
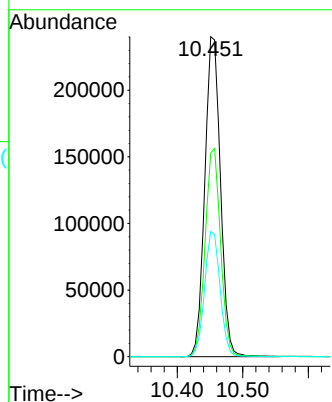
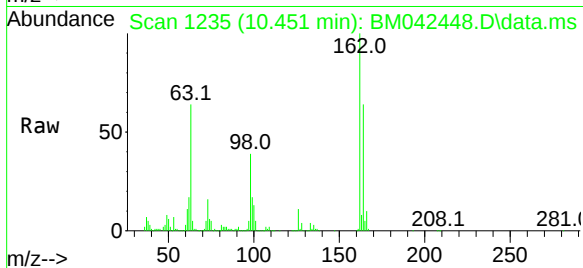




#29
2,4-Dichlorophenol
Concen: 58.229 ng
RT: 10.451 min Scan# 1235
Delta R.T. -0.012 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

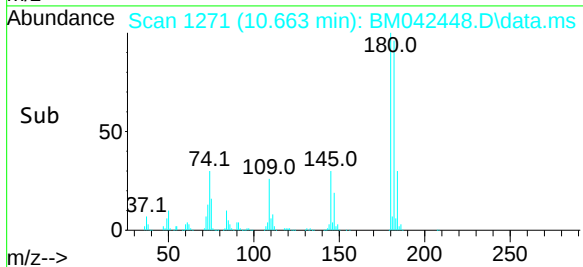
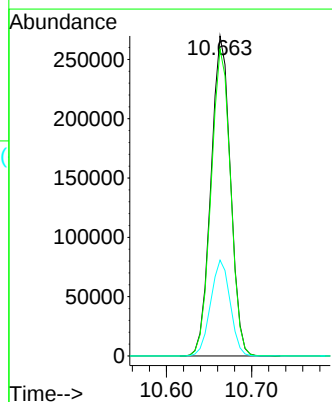
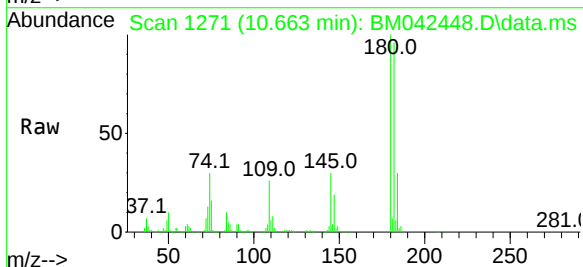
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMS

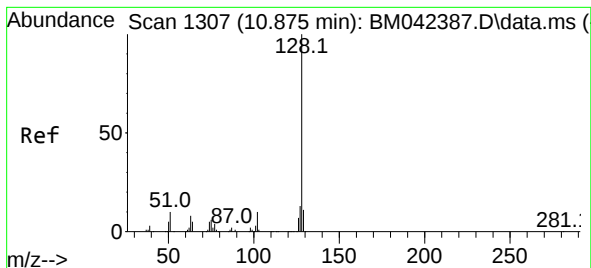
Tgt Ion:162 Resp: 400255
Ion Ratio Lower Upper
162 100
164 63.7 45.9 85.9
98 39.1 23.4 63.4



#30
1,2,4-Trichlorobenzene
Concen: 58.132 ng
RT: 10.663 min Scan# 1271
Delta R.T. -0.012 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Tgt Ion:180 Resp: 428373
Ion Ratio Lower Upper
180 100
182 95.9 75.0 112.4
145 30.0 24.6 36.8





#31

Naphthalene

Concen: 50.767 ng

RT: 10.863 min Scan# 11

Delta R.T. -0.012 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMS

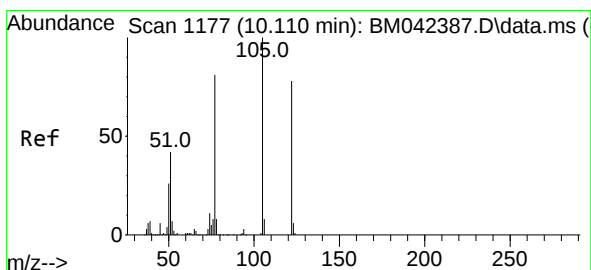
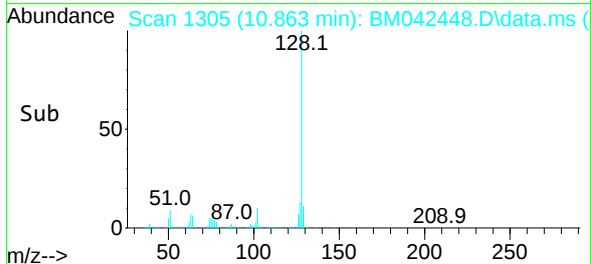
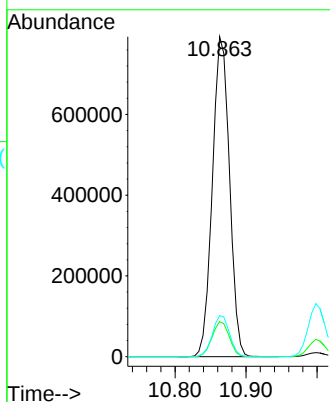
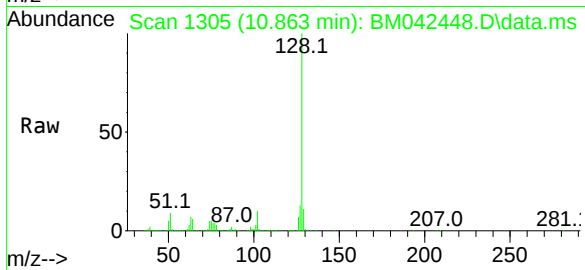
Tgt Ion:128 Resp: 1322172

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

127 12.8 10.4 15.6



#32

Benzoic acid

Concen: 55.110 ng

RT: 10.110 min Scan# 1177

Delta R.T. -0.000 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

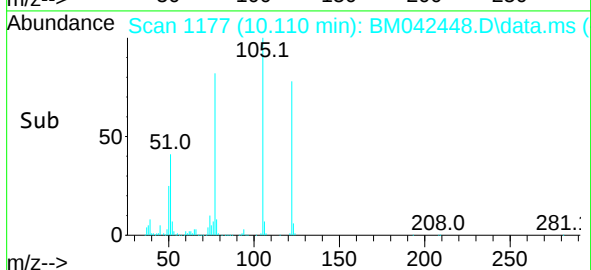
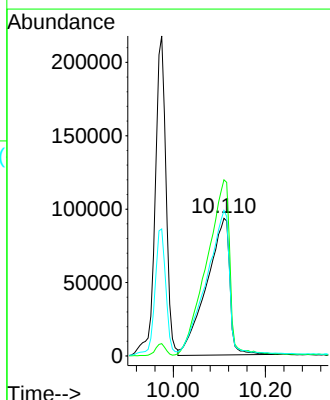
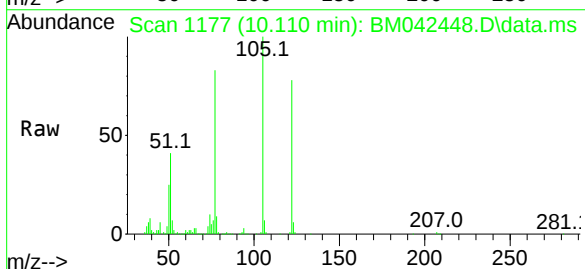
Tgt Ion:122 Resp: 323733

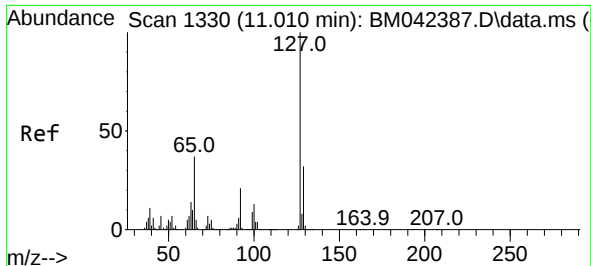
Ion Ratio Lower Upper

122 100

105 127.9 104.9 144.9

77 105.6 83.4 123.4

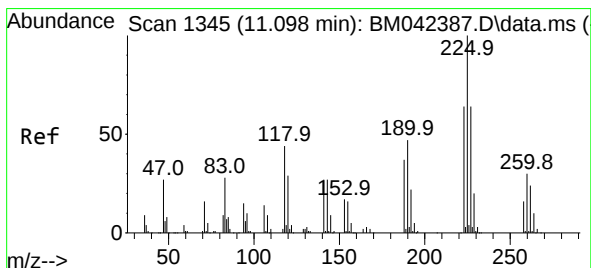
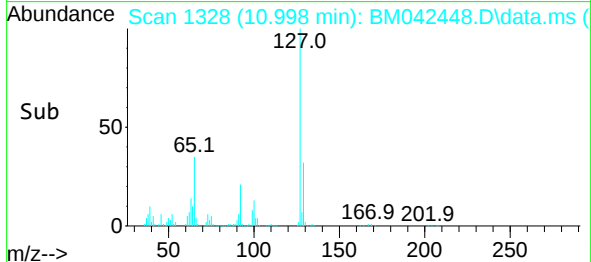
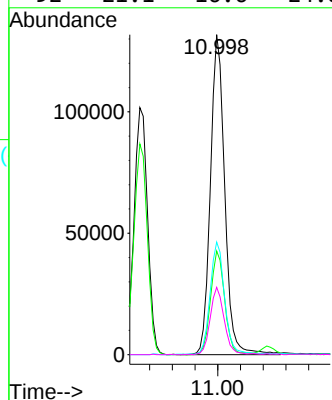
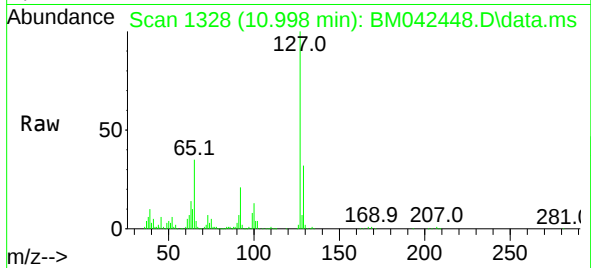




#33
4-Chloroaniline
Concen: 20.376 ng
RT: 10.998 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

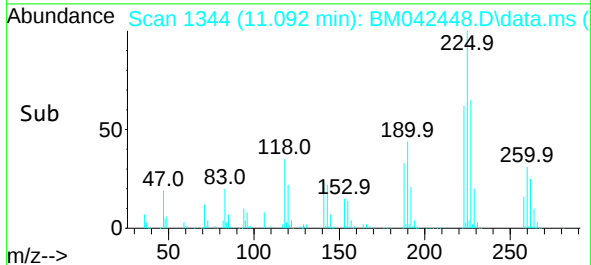
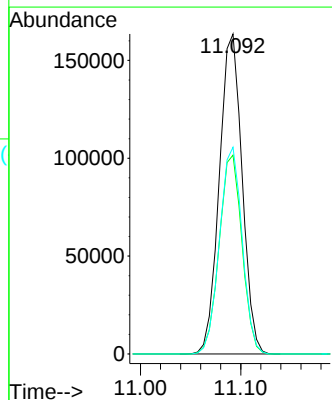
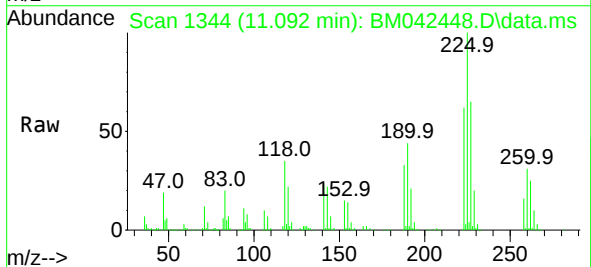
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMS

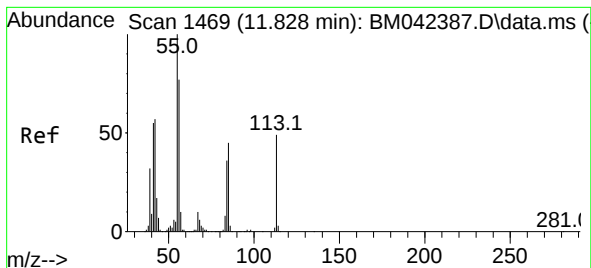
Tgt Ion:	127	Resp:	230402
Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.3	37.9
65	35.2	29.6	44.4
92	21.1	16.6	24.8



#34
Hexachlorobutadiene
Concen: 64.528 ng
RT: 11.092 min Scan# 1344
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Tgt Ion:	225	Resp:	257309
Ion	Ratio	Lower	Upper
225	100		
223	62.1	51.5	77.3
227	64.6	51.3	76.9

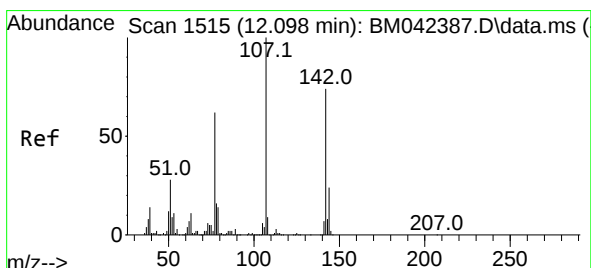
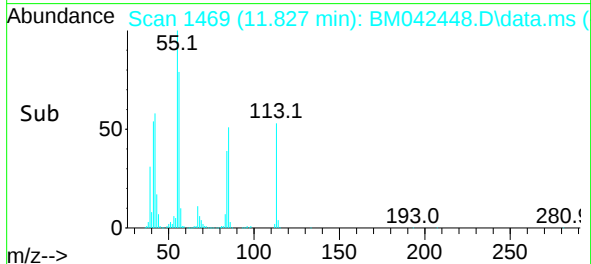
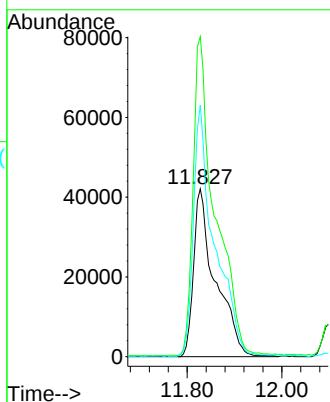
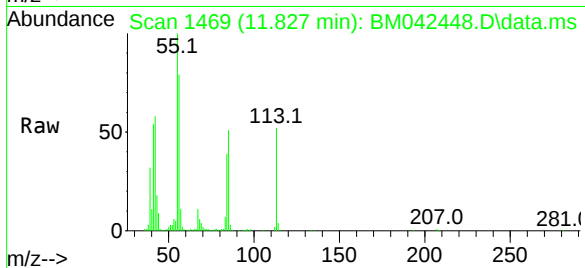




#35
 Caprolactam
 Concen: 49.118 ng
 RT: 11.827 min Scan# 1469
 Delta R.T. -0.001 min
 Lab File: BM042448.D
 Acq: 25 Oct 2023 21:30

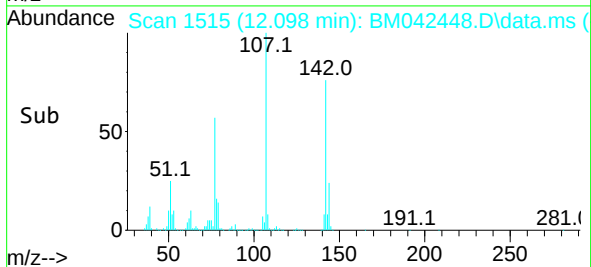
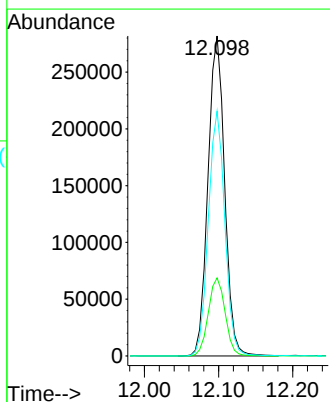
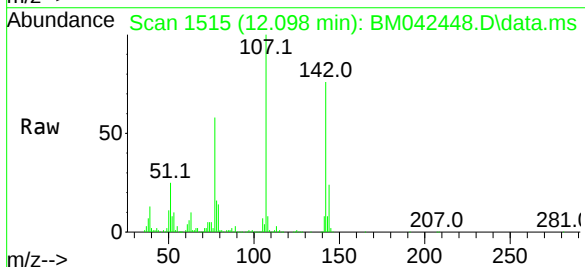
Instrument :
 BNA_M
 ClientSampleId :
 TRENCHWAY-SOIL-PILEMS

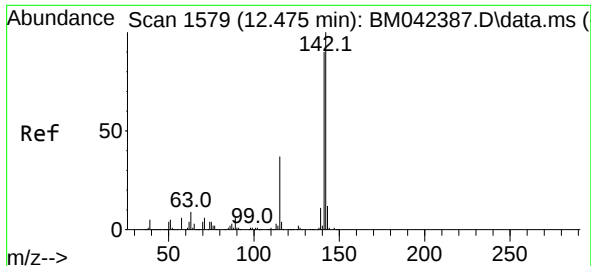
Tgt Ion:113 Resp: 134452
 Ion Ratio Lower Upper
 113 100
 55 190.6 185.6 225.6
 56 149.9 137.8 177.8



#36
 4-Chloro-3-methylphenol
 Concen: 53.087 ng
 RT: 12.098 min Scan# 1515
 Delta R.T. -0.000 min
 Lab File: BM042448.D
 Acq: 25 Oct 2023 21:30

Tgt Ion:107 Resp: 440354
 Ion Ratio Lower Upper
 107 100
 144 24.4 18.9 28.3
 142 76.5 59.2 88.8

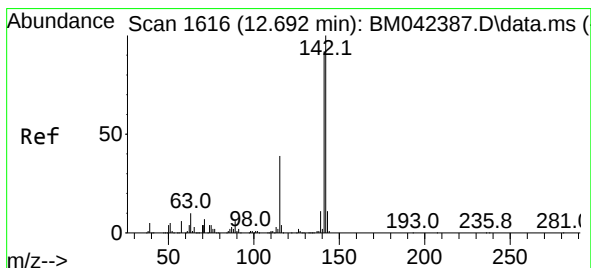
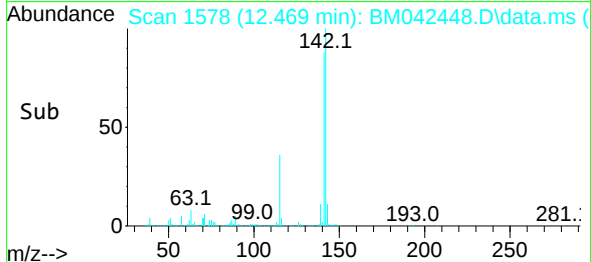
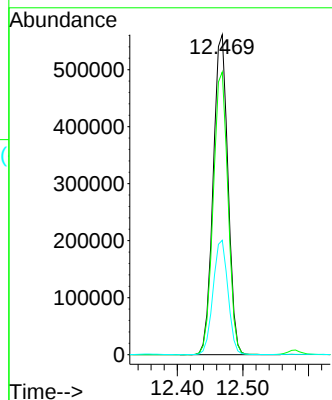
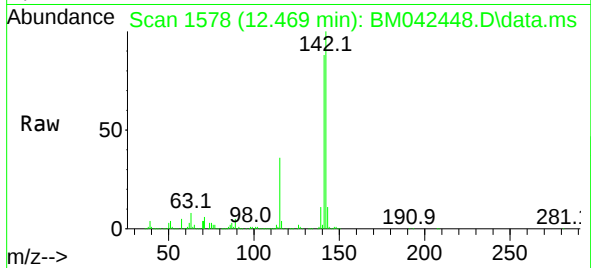




#37
2-Methylnaphthalene
Concen: 50.056 ng
RT: 12.469 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

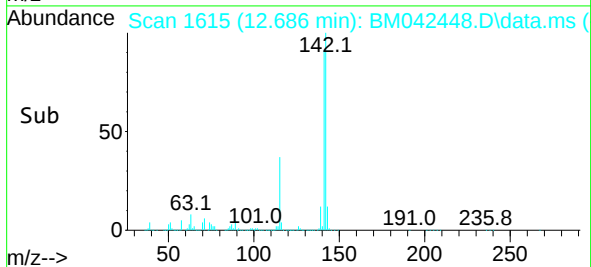
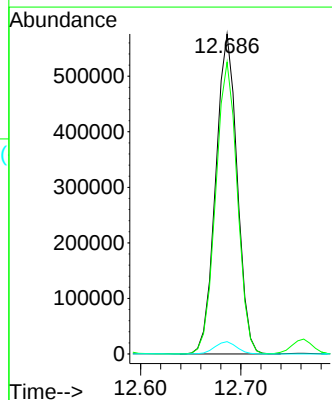
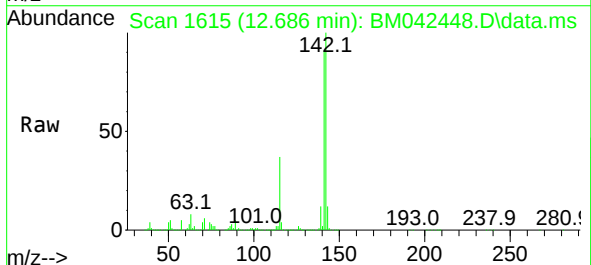
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMS

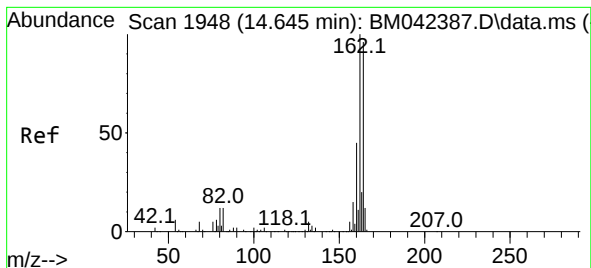
Tgt Ion:142 Resp: 877587
Ion Ratio Lower Upper
142 100
141 88.4 72.0 108.0
115 35.8 29.4 44.2



#38
1-Methylnaphthalene
Concen: 52.131 ng
RT: 12.686 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Tgt Ion:142 Resp: 856212
Ion Ratio Lower Upper
142 100
141 91.2 73.8 110.6
116 3.9 3.3 4.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.639 min Scan# 1947

Delta R.T. -0.006 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMS

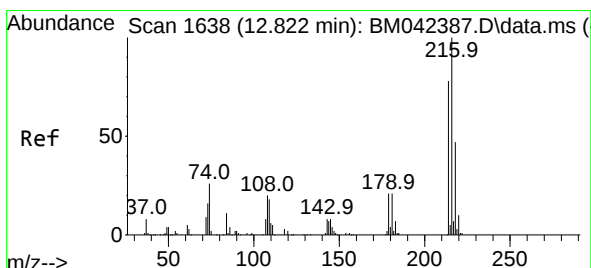
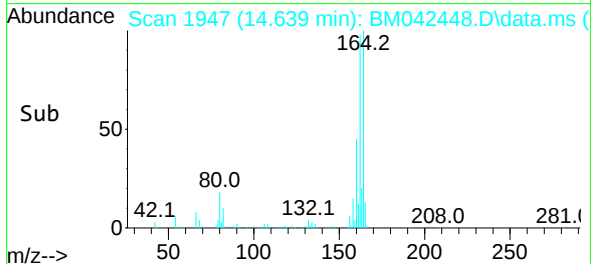
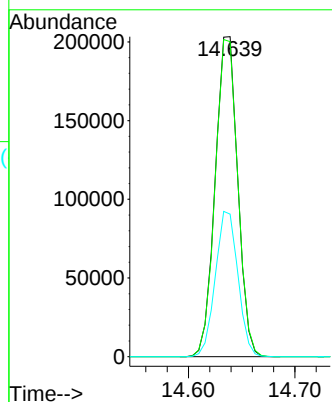
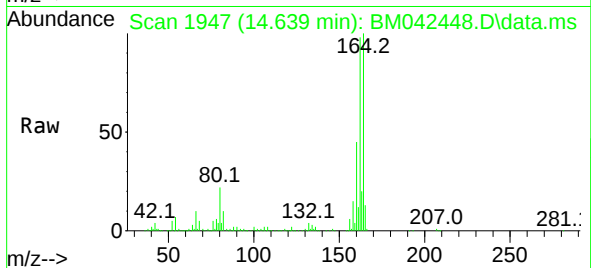
Tgt Ion:164 Resp: 298137

Ion Ratio Lower Upper

164 100

162 98.5 83.0 124.4

160 44.6 37.0 55.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 55.618 ng

RT: 12.816 min Scan# 1637

Delta R.T. -0.006 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

Tgt Ion:216 Resp: 479375

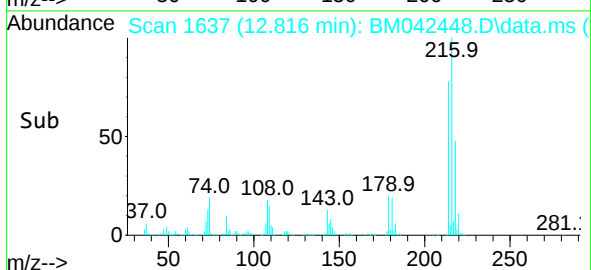
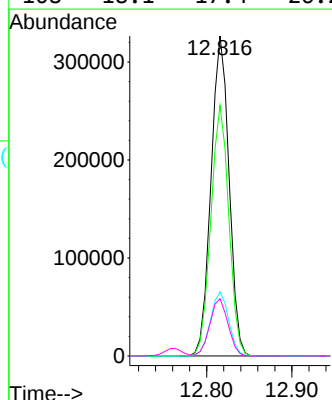
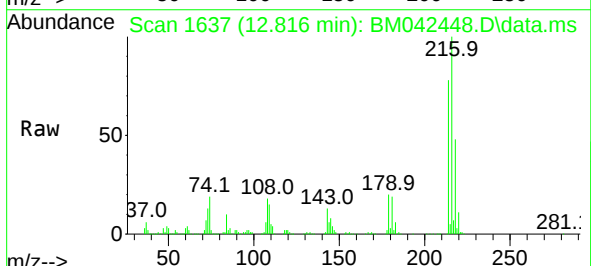
Ion Ratio Lower Upper

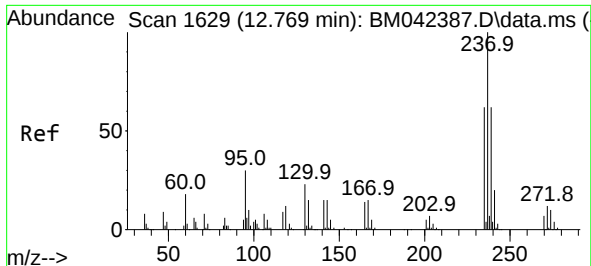
216 100

214 78.0 63.0 94.4

179 20.3 17.2 25.8

108 18.1 17.4 26.2

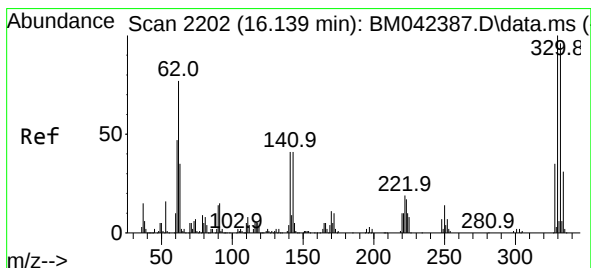
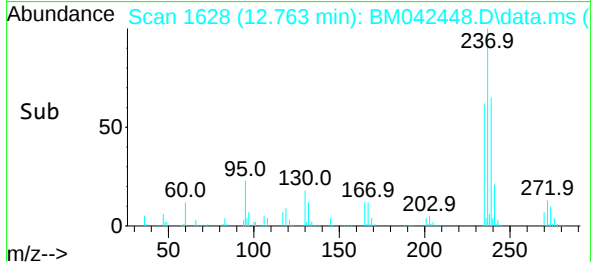
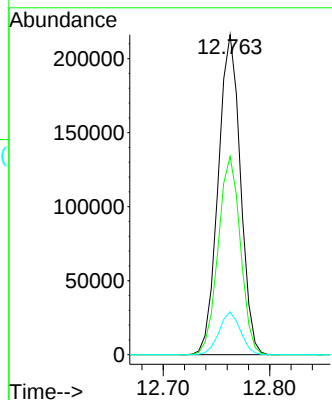
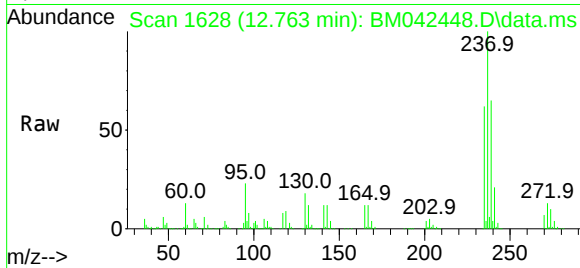




#41
Hexachlorocyclopentadiene
Concen: 67.580 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

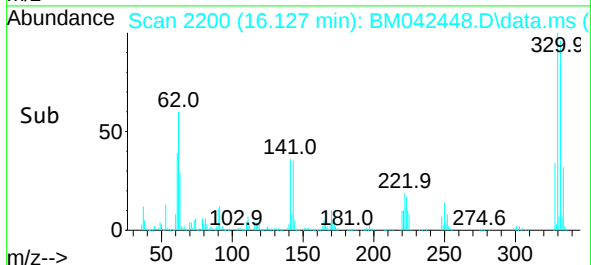
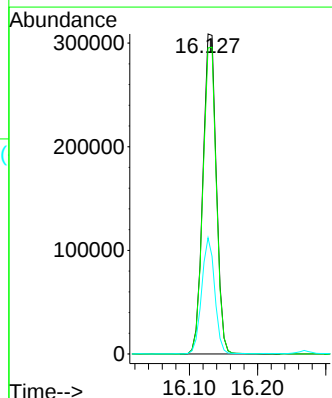
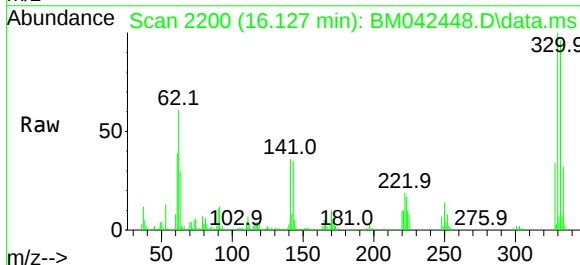
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMS

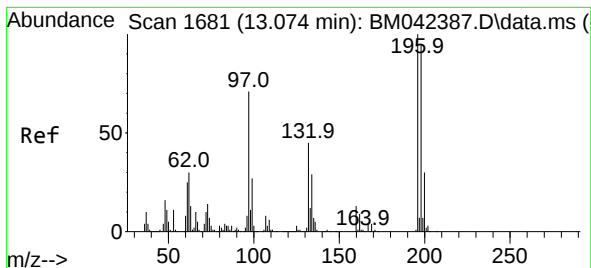
Tgt Ion:237 Resp: 312298
Ion Ratio Lower Upper
237 100
235 62.0 41.5 81.5
272 13.4 0.0 32.2



#42
2,4,6-Tribromophenol
Concen: 128.628 ng
RT: 16.127 min Scan# 2200
Delta R.T. -0.012 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Tgt Ion:330 Resp: 423167
Ion Ratio Lower Upper
330 100
332 96.3 77.6 116.4
141 35.3 38.0 57.0#





#43

2,4,6-Trichlorophenol

Concen: 57.639 ng

RT: 13.069 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM042448.D

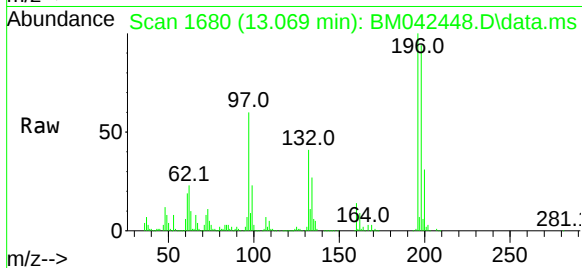
Acq: 25 Oct 2023 21:30

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMS



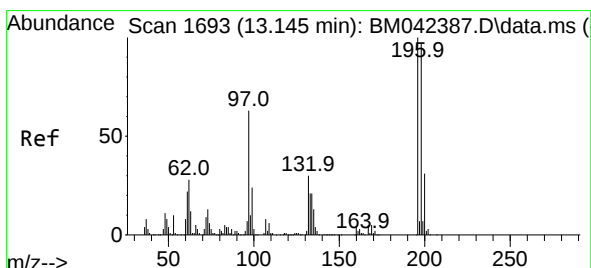
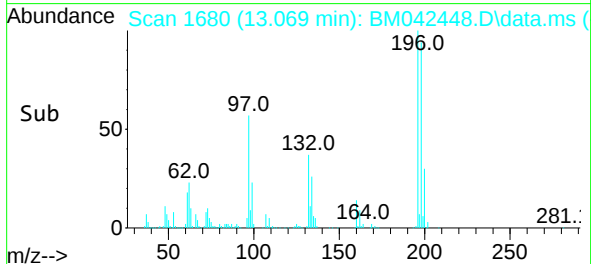
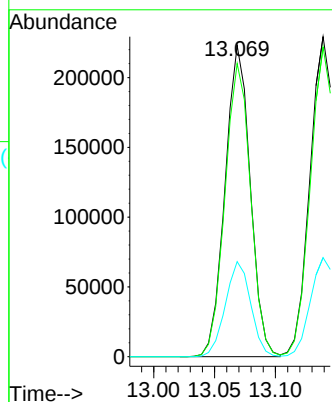
Tgt Ion:196 Resp: 321597

Ion Ratio Lower Upper

196 100

198 94.2 76.3 114.5

200 30.6 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 52.504 ng

RT: 13.139 min Scan# 1692

Delta R.T. -0.006 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

Tgt Ion:196 Resp: 346298

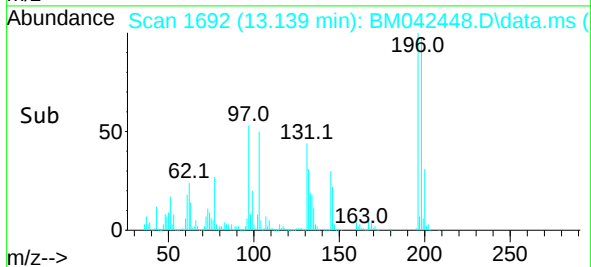
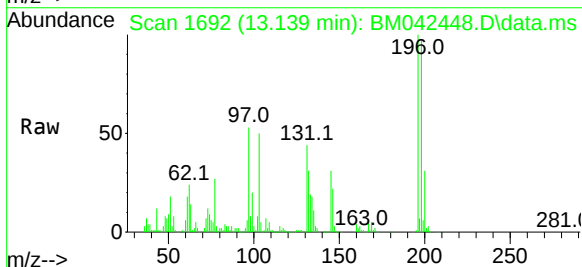
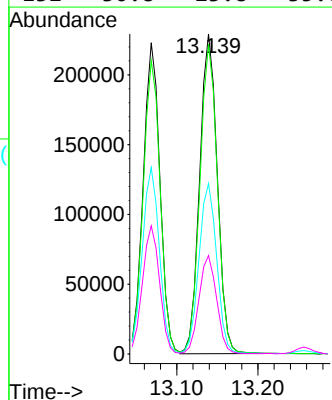
Ion Ratio Lower Upper

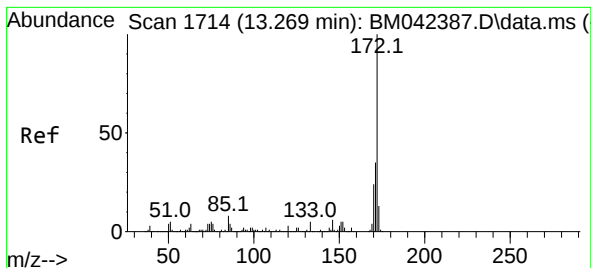
196 100

198 96.8 77.9 116.9

97 53.2 50.9 76.3

132 30.8 23.8 35.6





#45

2-Fluorobiphenyl

Concen: 68.514 ng

RT: 13.257 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMS

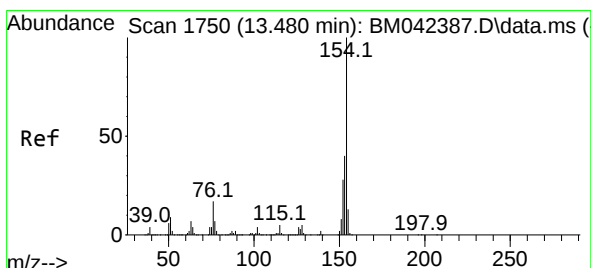
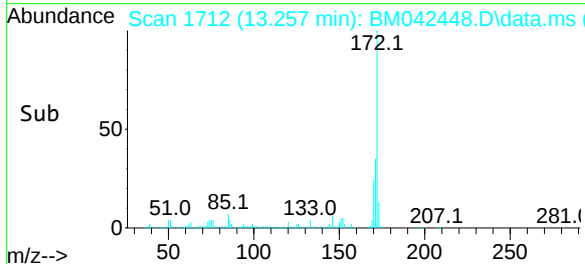
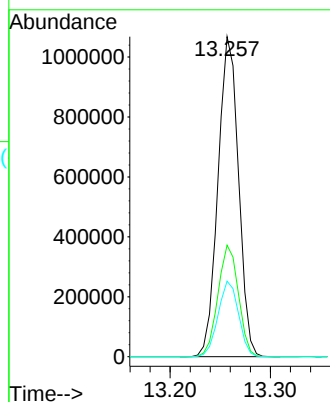
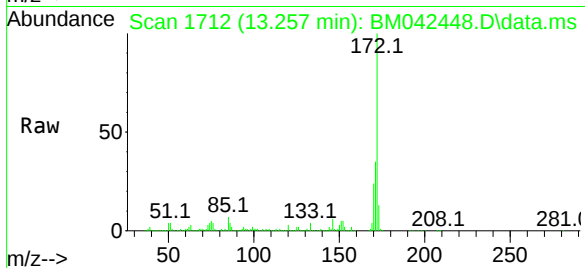
Tgt Ion:172 Resp: 1516891

Ion Ratio Lower Upper

172 100

171 34.9 28.1 42.1

170 23.6 18.9 28.3



#46

1,1'-Biphenyl

Concen: 49.063 ng

RT: 13.474 min Scan# 1749

Delta R.T. -0.006 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

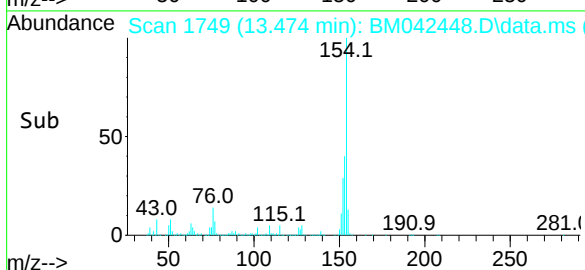
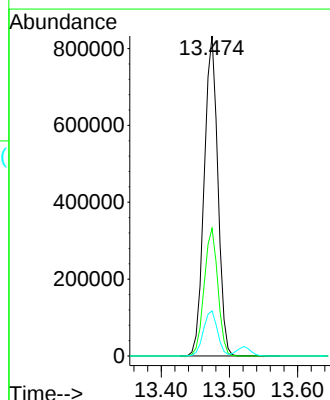
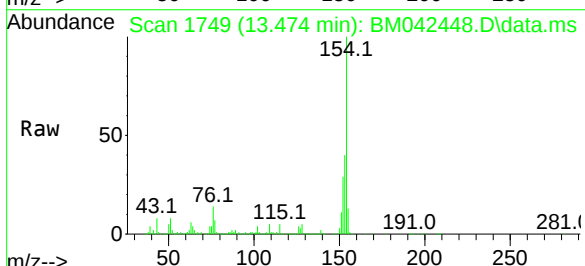
Tgt Ion:154 Resp: 1160416

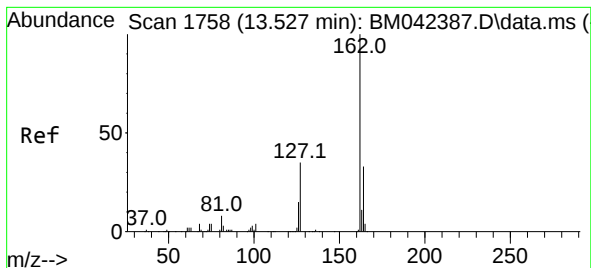
Ion Ratio Lower Upper

154 100

153 39.9 19.9 59.9

76 14.1 0.0 36.9





#47

2-Chloronaphthalene

Concen: 51.284 ng

RT: 13.521 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMS

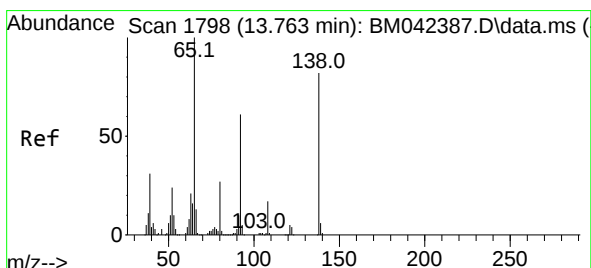
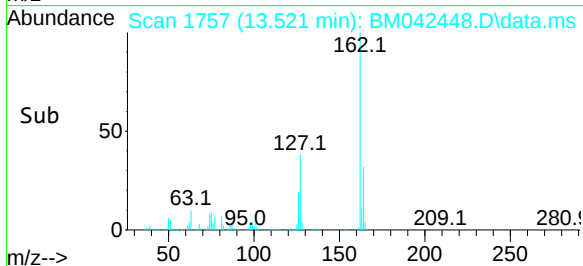
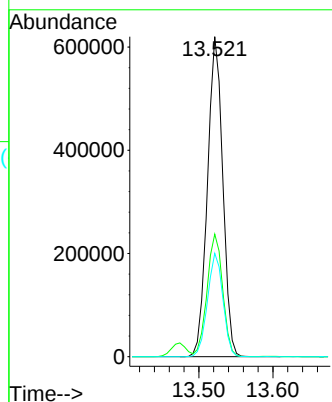
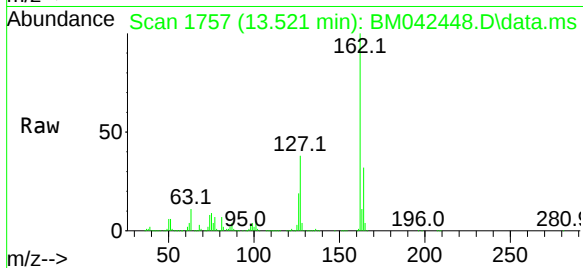
Tgt Ion:162 Resp: 889874

Ion Ratio Lower Upper

162 100

127 38.3 32.2 48.2

164 32.3 26.2 39.2



#48

2-Nitroaniline

Concen: 41.798 ng

RT: 13.757 min Scan# 1797

Delta R.T. -0.006 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

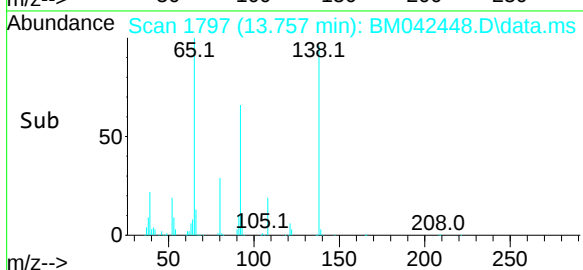
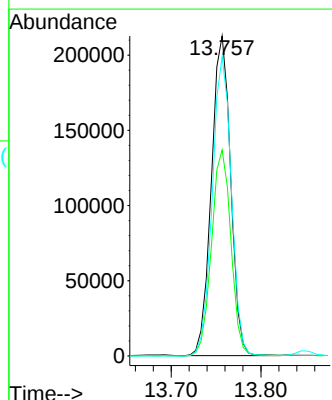
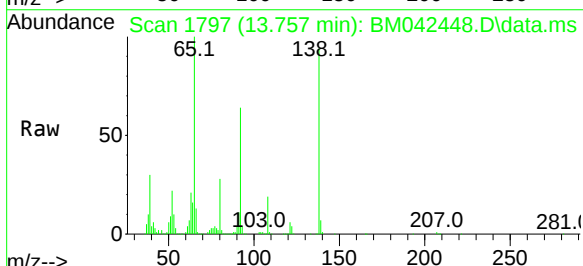
Tgt Ion: 65 Resp: 316530

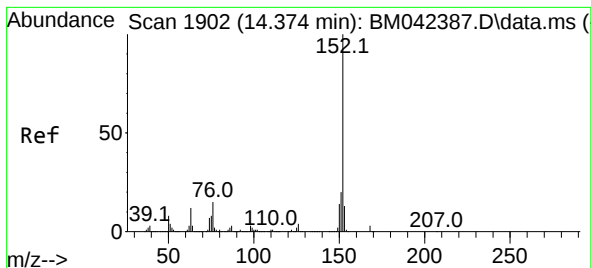
Ion Ratio Lower Upper

65 100

92 64.4 49.0 73.6

138 93.5 65.5 98.3





#49

Acenaphthylene

Concen: 52.452 ng

RT: 14.368 min Scan# 1901

Delta R.T. -0.006 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMS

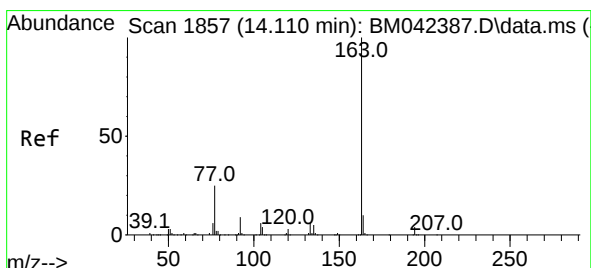
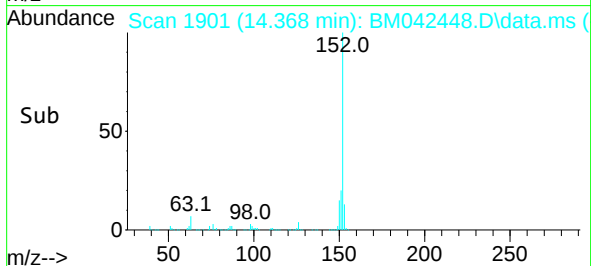
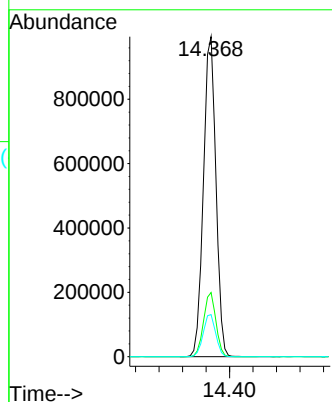
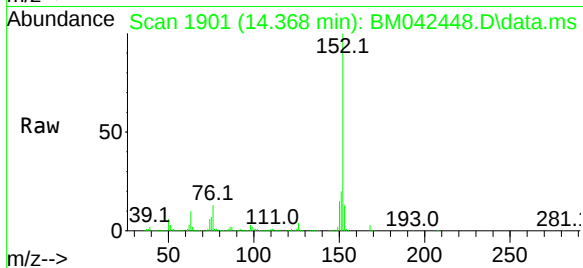
Tgt Ion:152 Resp: 1469346

Ion Ratio Lower Upper

152 100

151 20.1 15.9 23.9

153 13.2 10.5 15.7



#50

Dimethylphthalate

Concen: 49.259 ng

RT: 14.104 min Scan# 1856

Delta R.T. -0.006 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

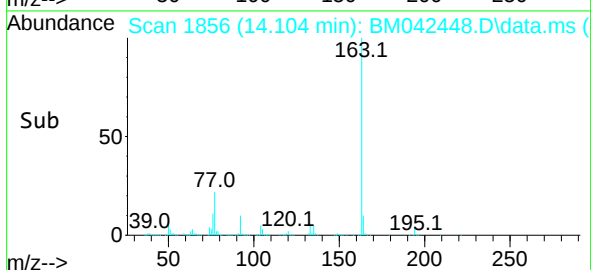
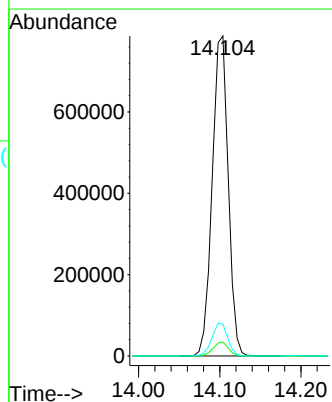
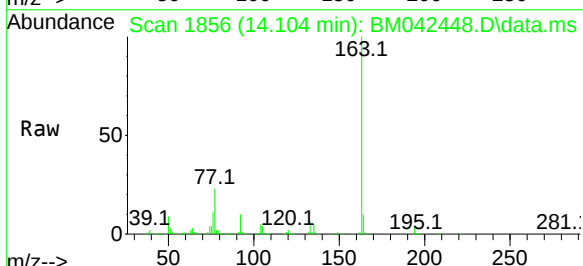
Tgt Ion:163 Resp: 1077210

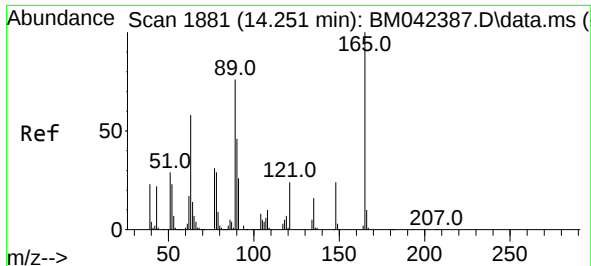
Ion Ratio Lower Upper

163 100

194 4.3 3.0 4.4

164 10.0 7.9 11.9





#51

2,6-Dinitrotoluene

Concen: 48.036 ng

RT: 14.245 min Scan# 1881

Delta R.T. -0.006 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMS

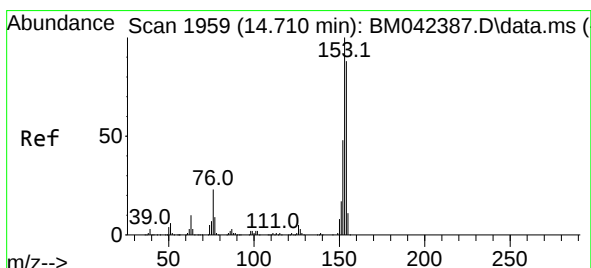
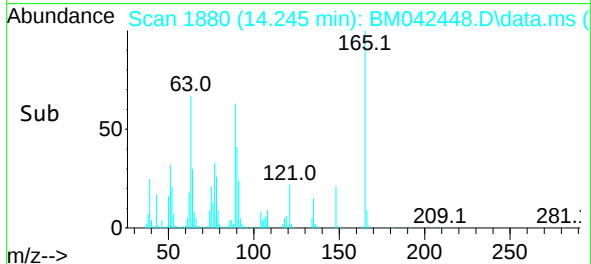
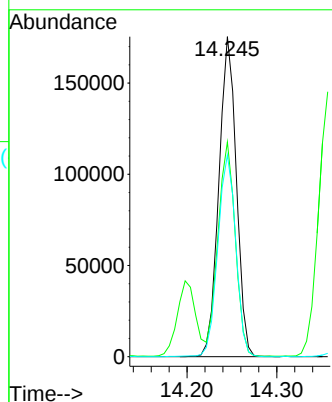
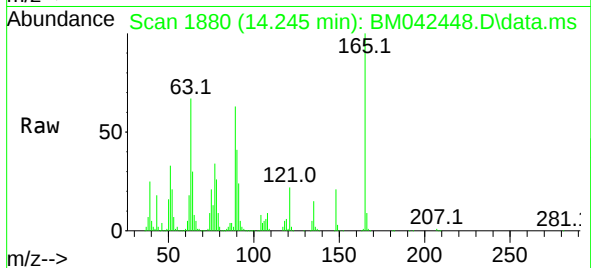
Tgt Ion:165 Resp: 237201

Ion Ratio Lower Upper

165 100

63 67.1 65.3 97.9

89 63.1 60.6 91.0



#52

Acenaphthene

Concen: 49.646 ng

RT: 14.698 min Scan# 1957

Delta R.T. -0.012 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

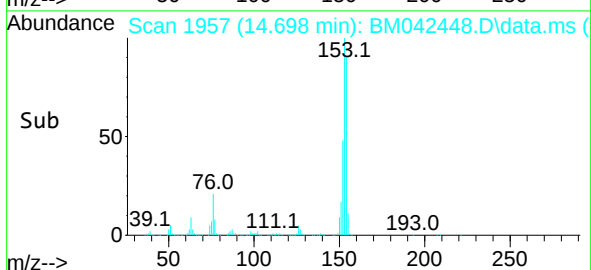
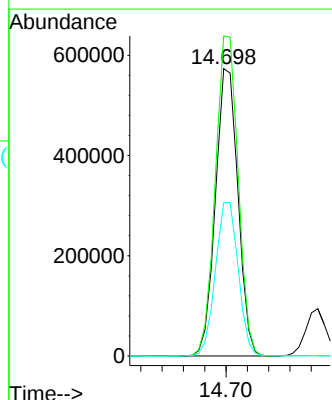
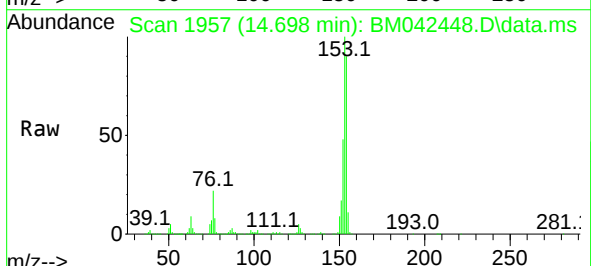
Tgt Ion:154 Resp: 840815

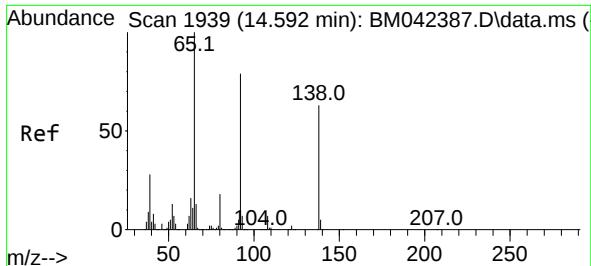
Ion Ratio Lower Upper

154 100

153 111.3 91.1 136.7

152 53.4 44.0 66.0

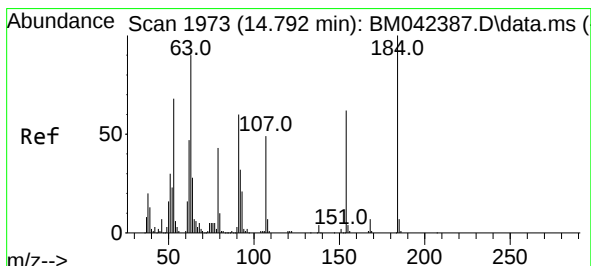
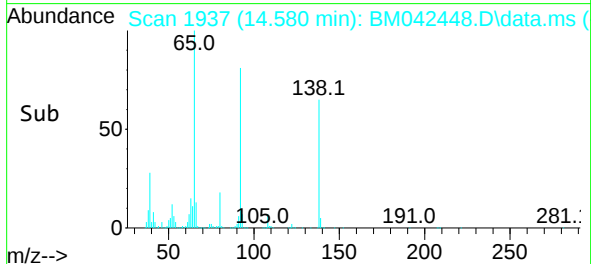
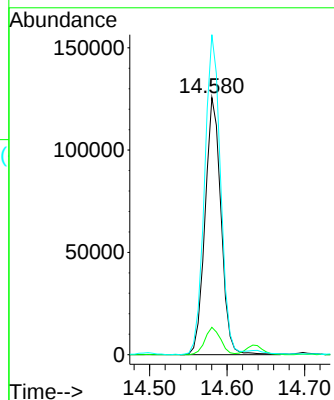
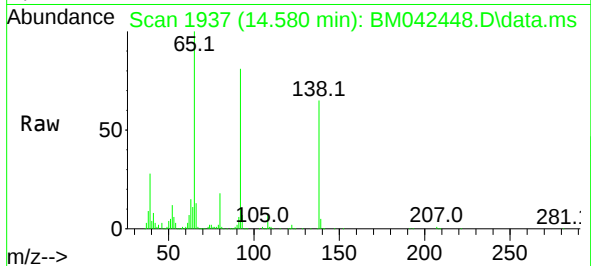




#53
3-Nitroaniline
Concen: 31.830 ng
RT: 14.580 min Scan# 1937
Delta R.T. -0.012 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

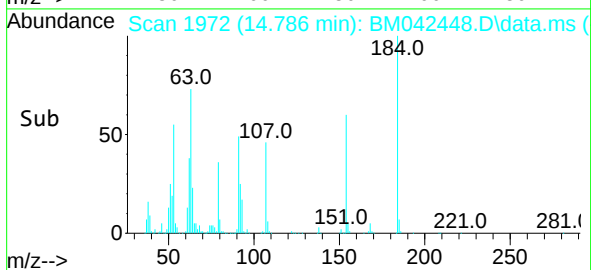
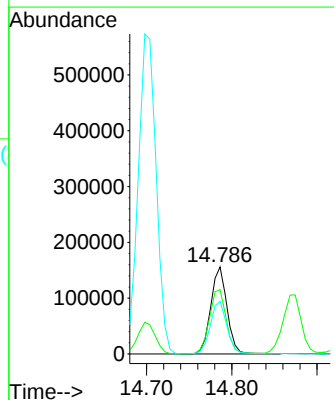
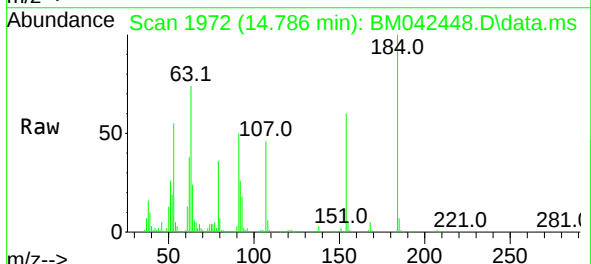
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMS

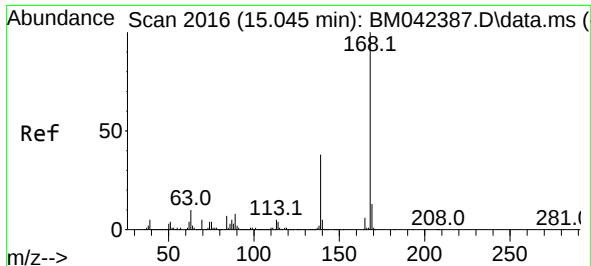
Tgt Ion:138 Resp: 179451
Ion Ratio Lower Upper
138 100
108 10.6 8.3 12.5
92 124.5 100.6 151.0



#54
2,4-Dinitrophenol
Concen: 69.057 ng
RT: 14.786 min Scan# 1972
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Tgt Ion:184 Resp: 207412
Ion Ratio Lower Upper
184 100
63 73.8 72.2 108.2
154 60.3 49.6 74.4

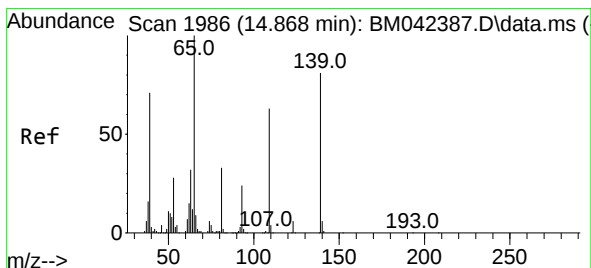
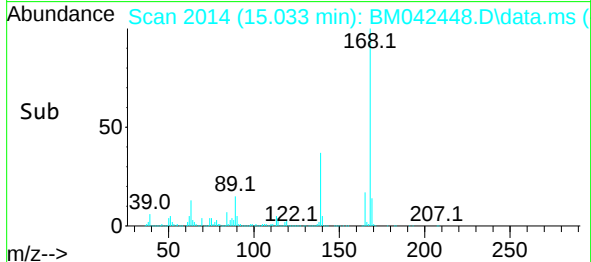
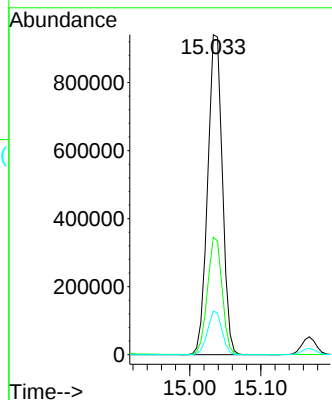
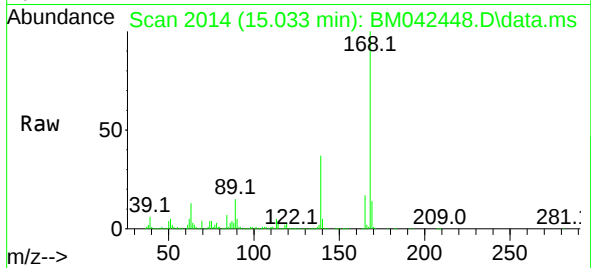




#55
Dibenzofuran
Concen: 50.494 ng
RT: 15.033 min Scan# 20
Delta R.T. -0.012 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

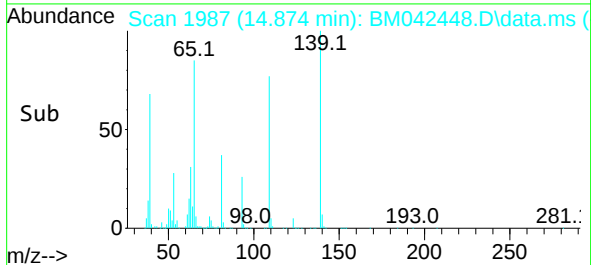
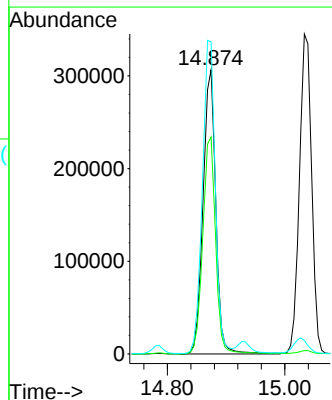
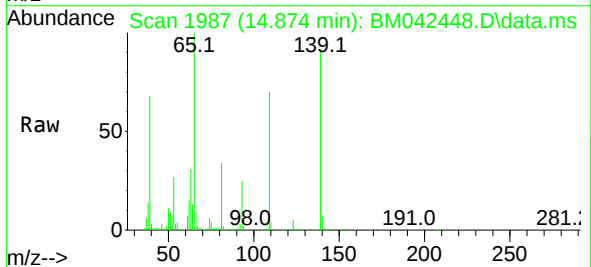
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMS

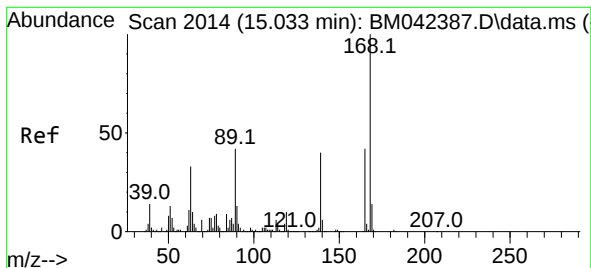
Tgt Ion:168 Resp: 1352606
Ion Ratio Lower Upper
168 100
139 36.7 30.6 46.0
169 13.7 10.4 15.6



#56
4-Nitrophenol
Concen: 103.451 ng
RT: 14.874 min Scan# 1987
Delta R.T. 0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Tgt Ion:139 Resp: 460760
Ion Ratio Lower Upper
139 100
109 76.4 58.0 98.0
65 109.8 104.2 144.2

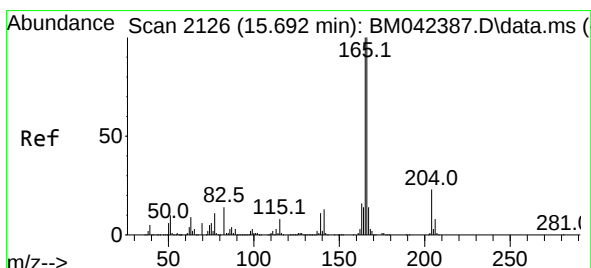
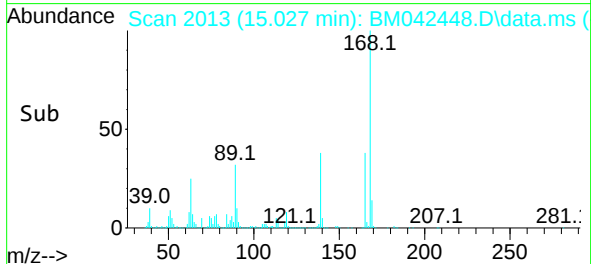
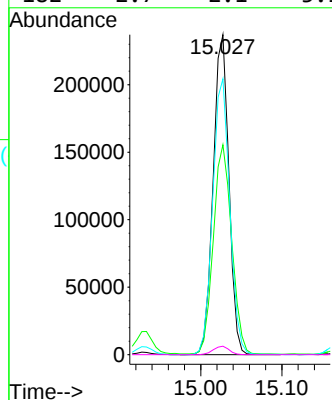
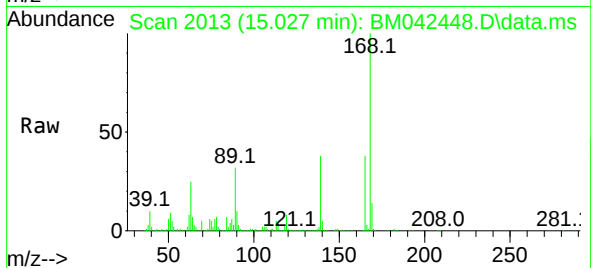




#57
2,4-Dinitrotoluene
Concen: 48.190 ng
RT: 15.027 min Scan# 20
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

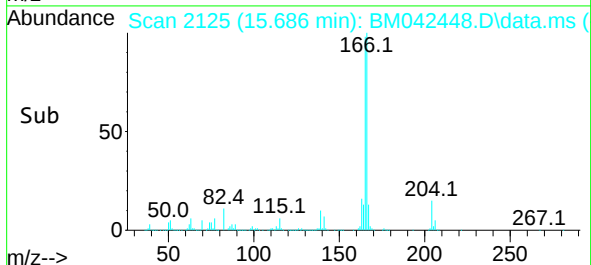
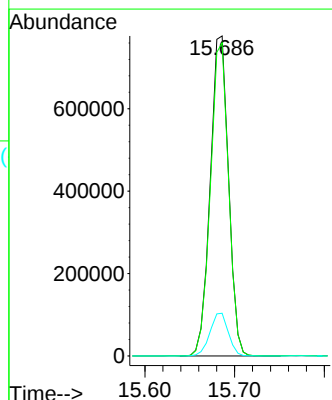
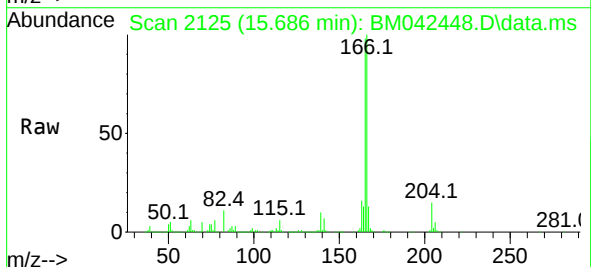
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMS

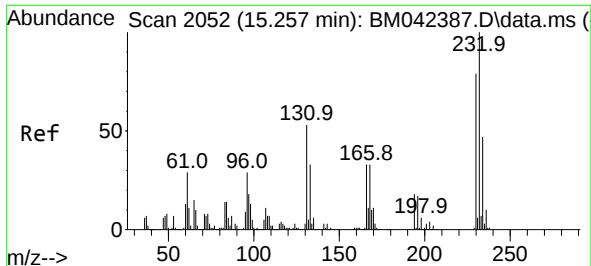
Tgt Ion:165 Resp: 318366
Ion Ratio Lower Upper
165 100
63 65.6 62.9 94.3
89 86.2 80.2 120.2
182 2.7 2.1 3.1



#58
Fluorene
Concen: 51.951 ng
RT: 15.686 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Tgt Ion:166 Resp: 1098135
Ion Ratio Lower Upper
166 100
165 97.9 79.6 119.4
167 13.4 10.9 16.3

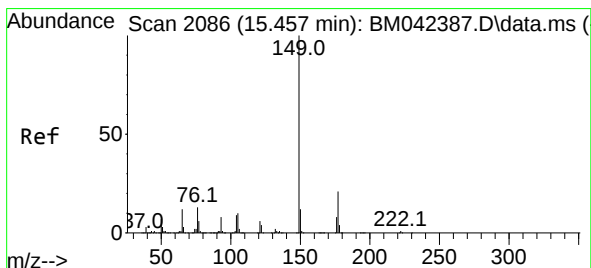
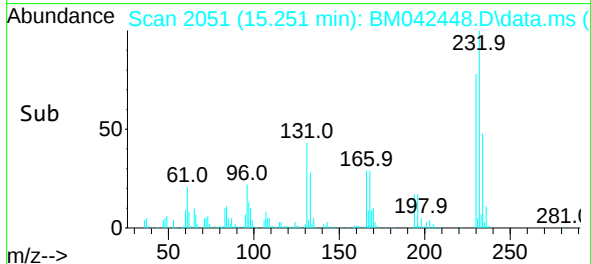
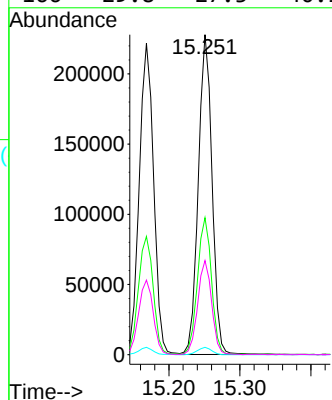
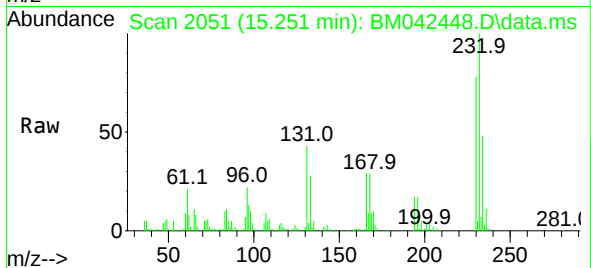




#59
2,3,4,6-Tetrachlorophenol
Concen: 62.030 ng
RT: 15.251 min Scan# 2051
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

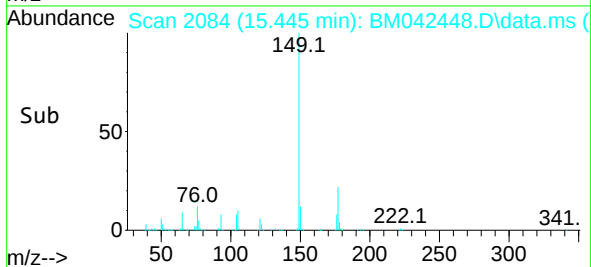
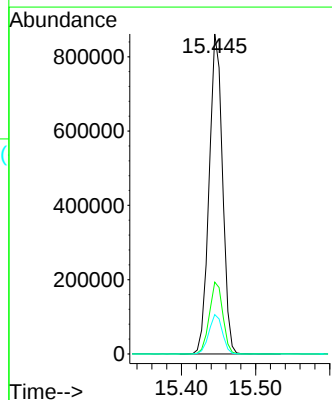
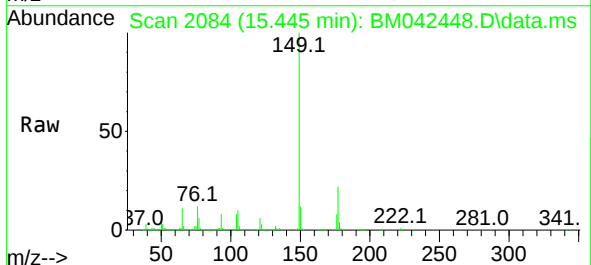
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMS

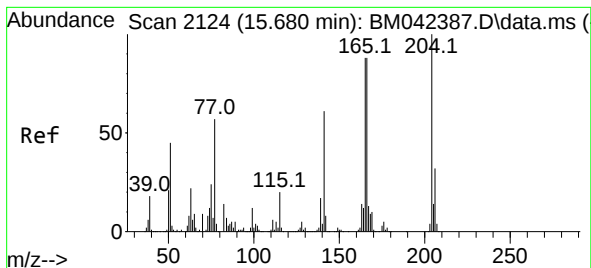
Tgt Ion:232 Resp: 307349
Ion Ratio Lower Upper
232 100
131 43.6 42.8 64.2
130 2.3 2.2 3.2
166 29.8 27.3 40.9



#60
Diethylphthalate
Concen: 50.037 ng
RT: 15.445 min Scan# 2084
Delta R.T. -0.012 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Tgt Ion:149 Resp: 1079815
Ion Ratio Lower Upper
149 100
177 22.4 16.7 25.1
150 12.3 9.8 14.6

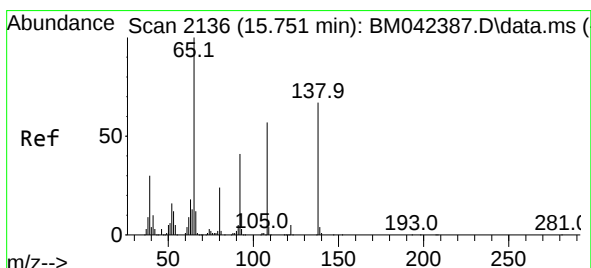
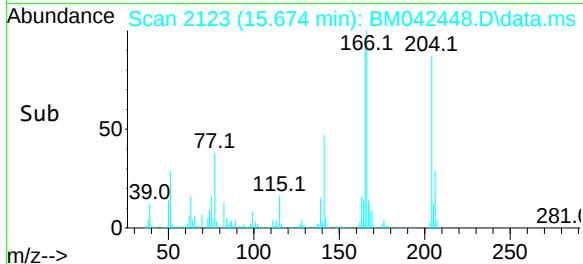
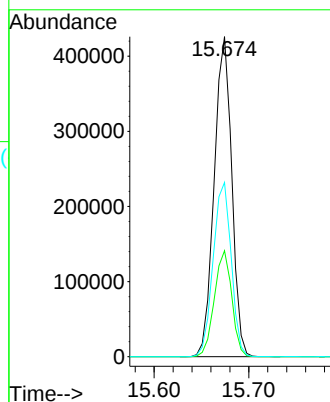
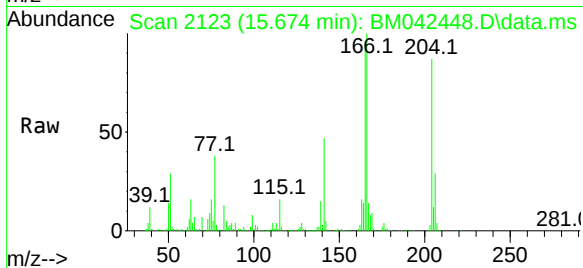




#61
4-Chlorophenyl-phenylether
Concen: 55.145 ng
RT: 15.674 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

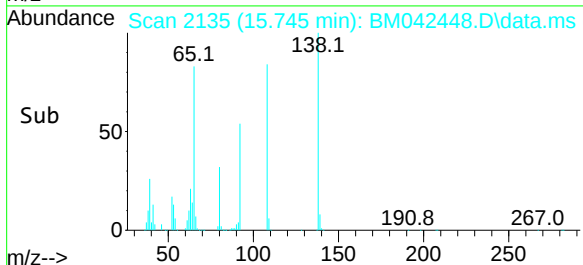
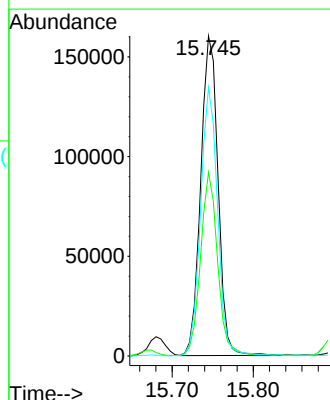
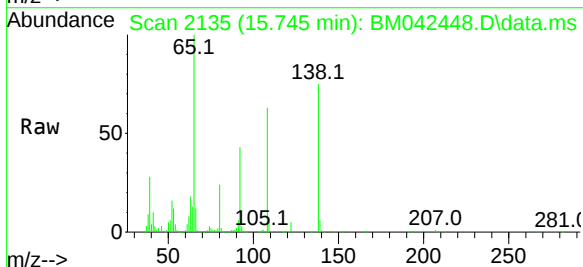
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMS

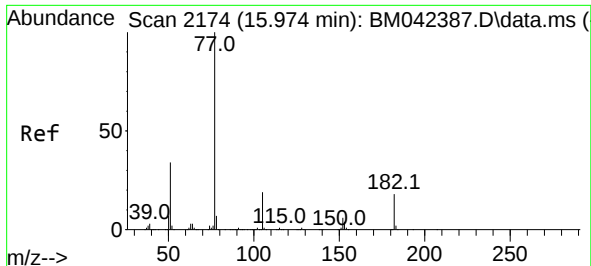
Tgt Ion:204 Resp: 548951
Ion Ratio Lower Upper
204 100
206 33.1 25.4 38.0
141 54.4 49.1 73.7



#62
4-Nitroaniline
Concen: 42.810 ng
RT: 15.745 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Tgt Ion:138 Resp: 238009
Ion Ratio Lower Upper
138 100
92 57.5 40.4 80.4
108 83.9 65.3 105.3



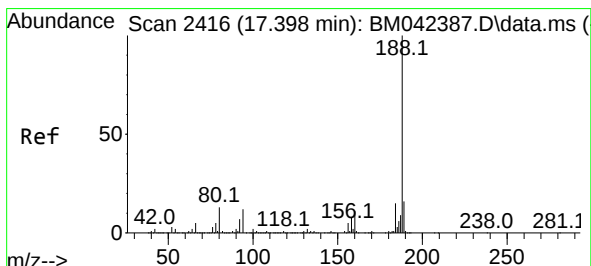
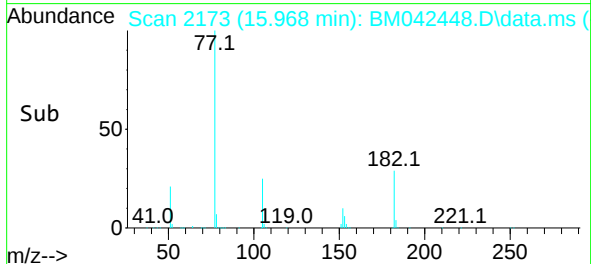
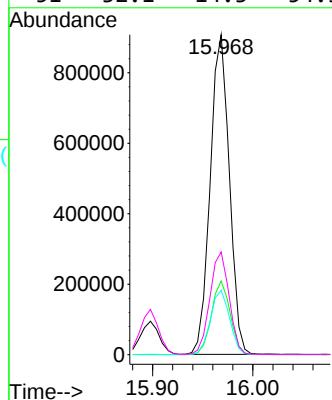
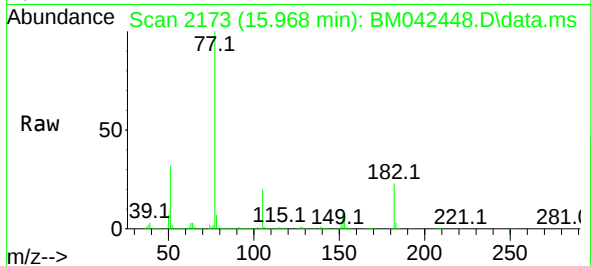


#63
Azobenzene
Concen: 46.454 ng
RT: 15.968 min Scan# 2174
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMS

Tgt Ion: 77 Resp: 1202753

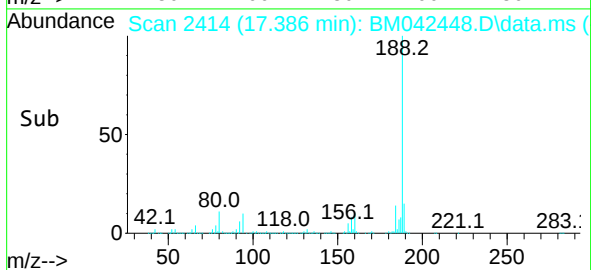
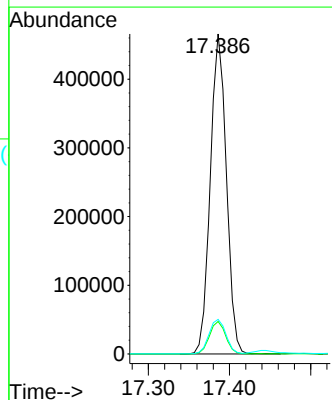
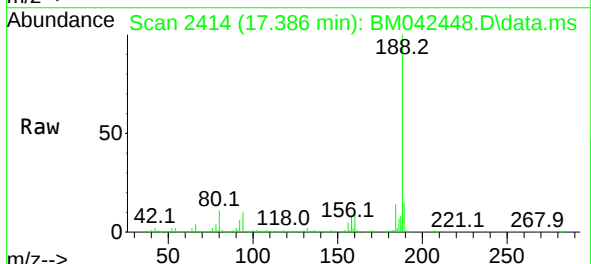
Ion	Ratio	Lower	Upper
77	100		
182	23.1	0.0	37.7
105	20.2	0.0	38.9
51	32.1	14.3	54.3

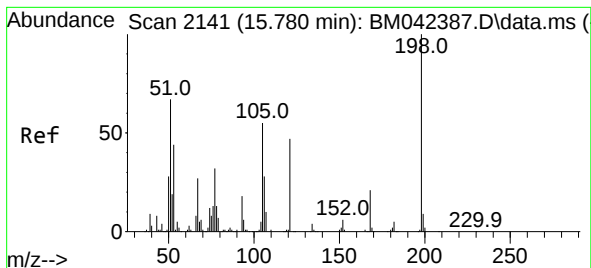


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.386 min Scan# 2414
Delta R.T. -0.012 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Tgt Ion: 188 Resp: 639883

Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.4	14.0
80	10.8	10.7	16.1

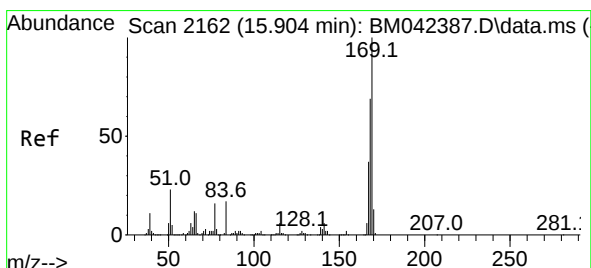
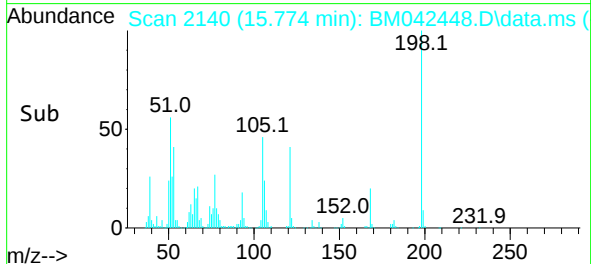
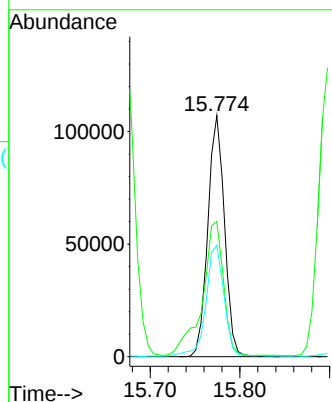
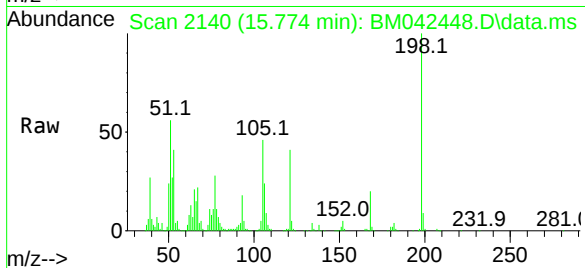




#65
4,6-Dinitro-2-methylphenol
Concen: 35.530 ng
RT: 15.774 min Scan# 2140
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

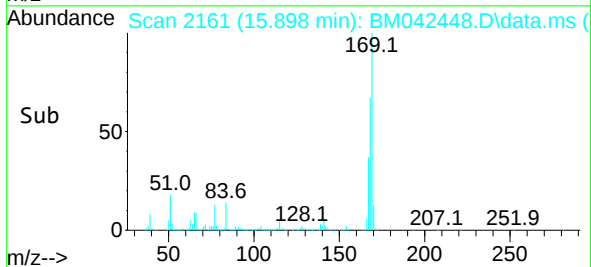
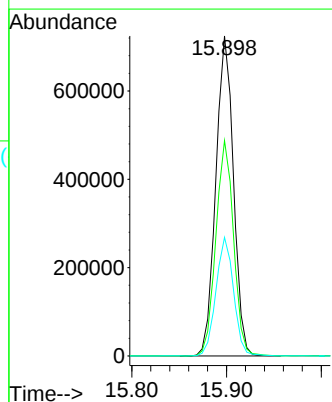
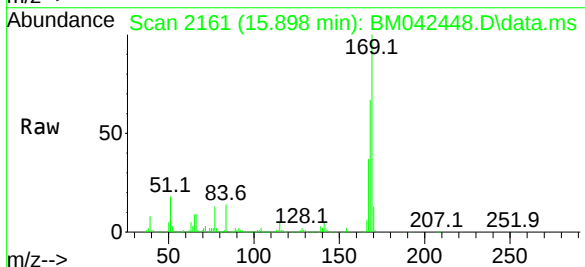
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMS

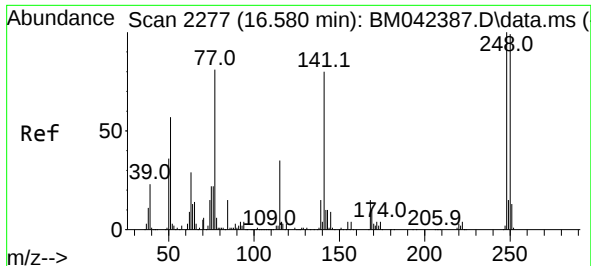
Tgt Ion:198 Resp: 137819
Ion Ratio Lower Upper
198 100
51 56.0 54.1 94.1
105 46.3 35.9 75.9



#66
n-Nitrosodiphenylamine
Concen: 48.643 ng
RT: 15.898 min Scan# 2161
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Tgt Ion:169 Resp: 937508
Ion Ratio Lower Upper
169 100
168 67.3 55.4 83.2
167 37.0 29.9 44.9

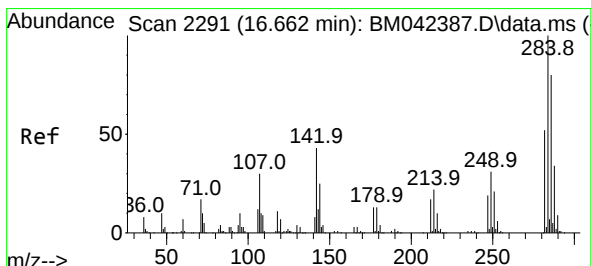
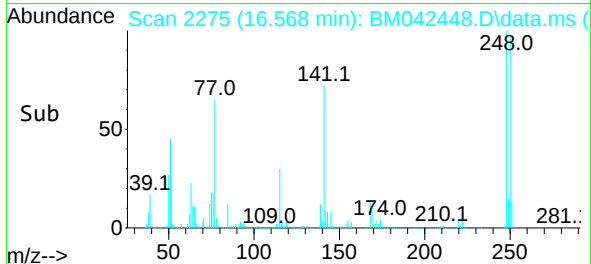
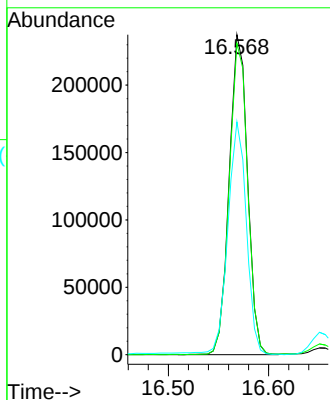
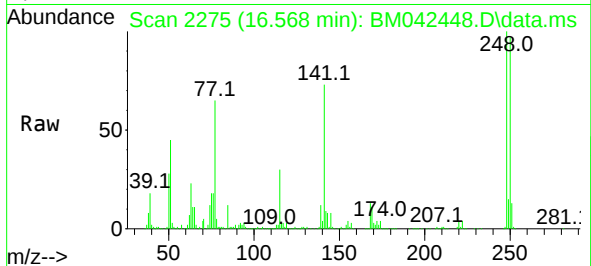




#67
4-Bromophenyl-phenylether
Concen: 50.831 ng
RT: 16.568 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

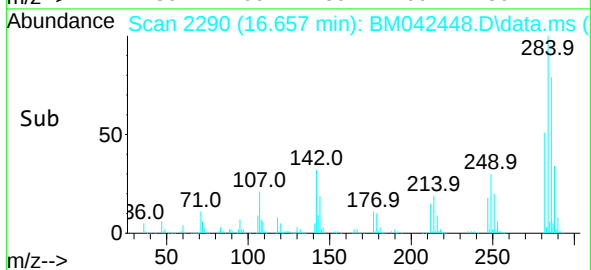
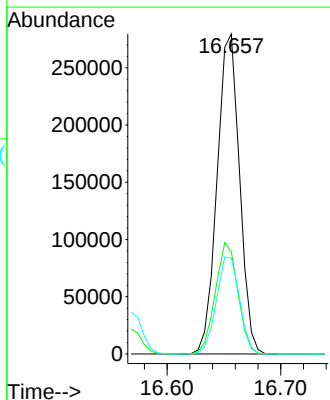
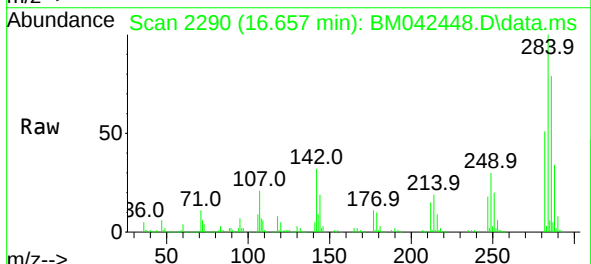
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMS

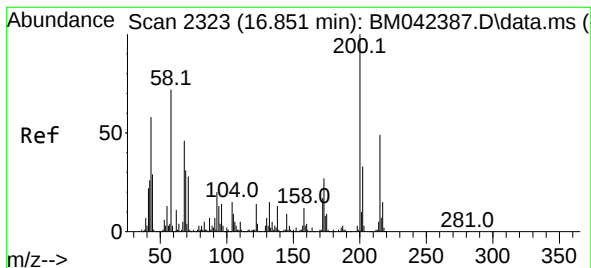
Tgt Ion:248 Resp: 301453
Ion Ratio Lower Upper
248 100
250 97.3 79.4 119.2
141 72.7 64.3 96.5



#68
Hexachlorobenzene
Concen: 60.645 ng
RT: 16.657 min Scan# 2290
Delta R.T. -0.006 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Tgt Ion:284 Resp: 384443
Ion Ratio Lower Upper
284 100
142 31.9 34.2 51.2#
249 30.0 24.7 37.1





#69

Atrazine

Concen: 70.338 ng

RT: 16.845 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMS

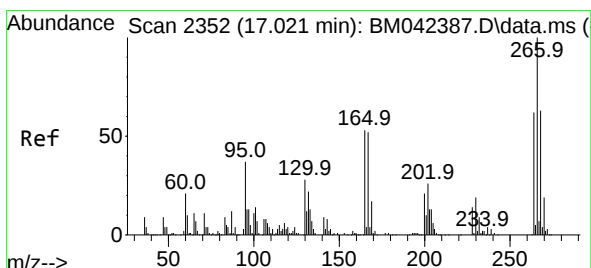
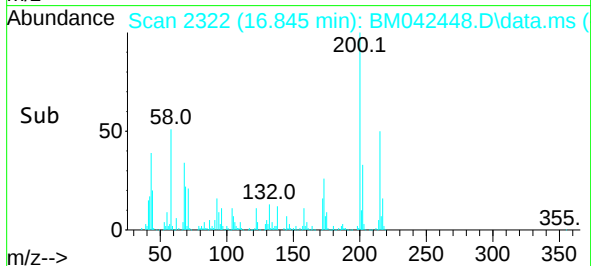
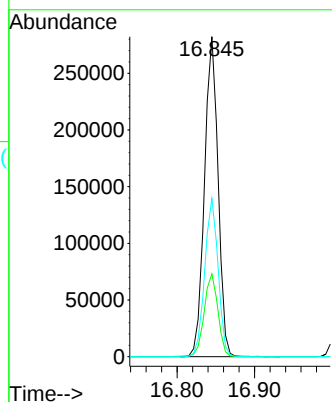
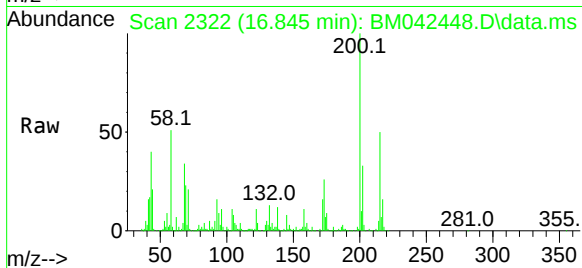
Tgt Ion:200 Resp: 343776

Ion Ratio Lower Upper

200 100

173 25.9 6.6 46.6

215 49.5 28.6 68.6



#70

Pentachlorophenol

Concen: 102.209 ng

RT: 17.015 min Scan# 2351

Delta R.T. -0.006 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

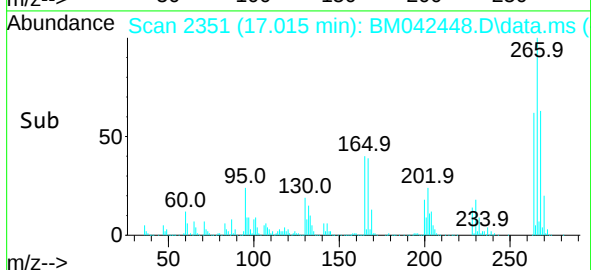
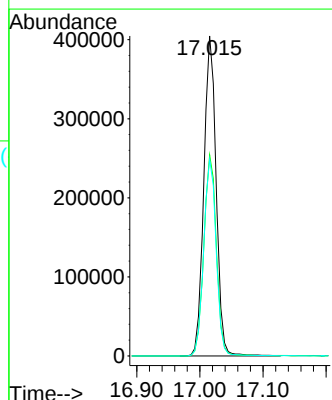
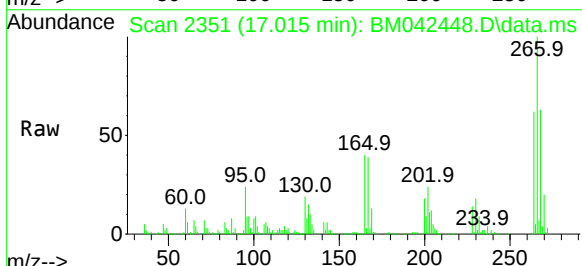
Tgt Ion:266 Resp: 550404

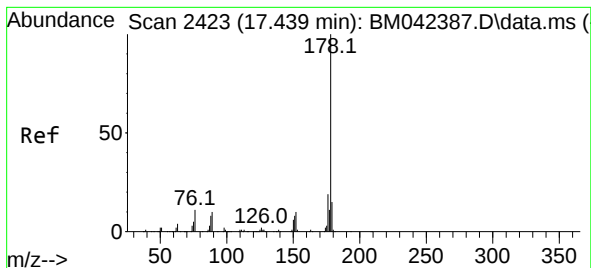
Ion Ratio Lower Upper

266 100

268 62.9 50.6 76.0

264 61.5 49.4 74.0





#71

Phenanthrene

Concen: 51.419 ng

RT: 17.433 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMS

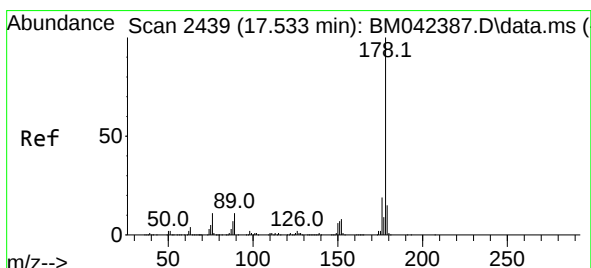
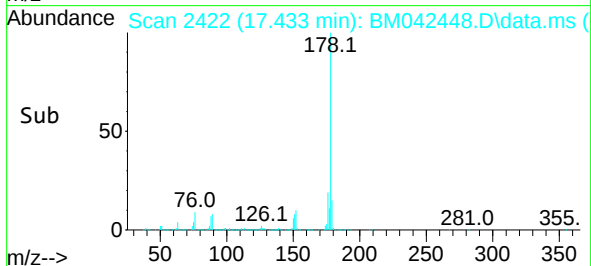
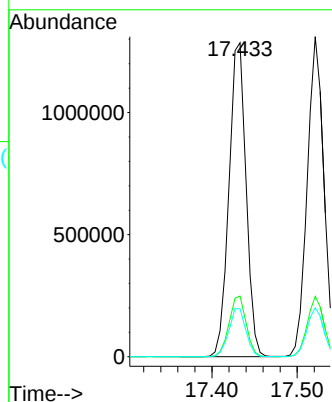
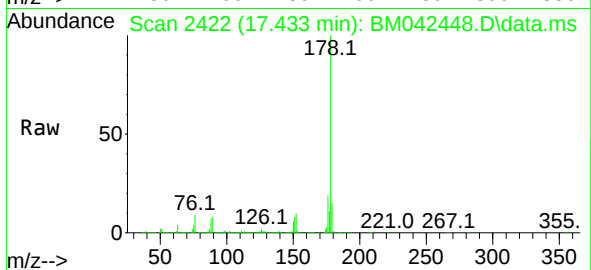
Tgt Ion:178 Resp: 1789871

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 15.2 12.3 18.5



#72

Anthracene

Concen: 51.359 ng

RT: 17.521 min Scan# 2437

Delta R.T. -0.012 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

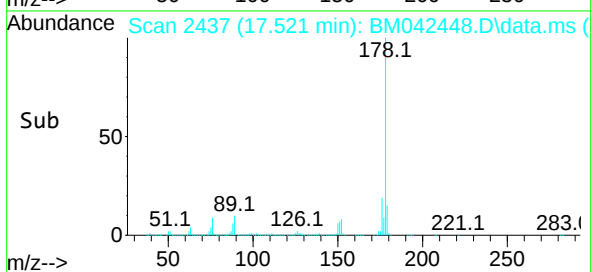
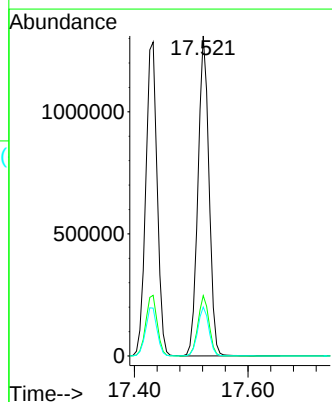
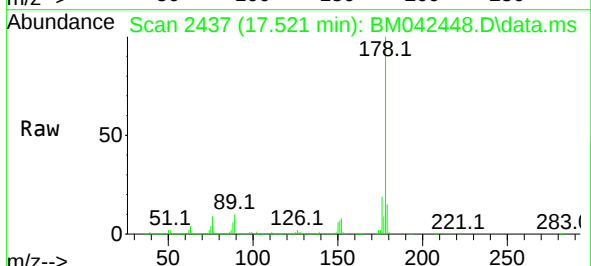
Tgt Ion:178 Resp: 1770615

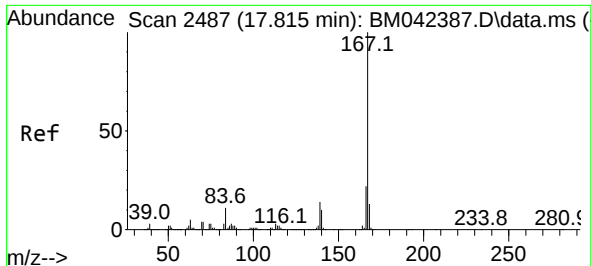
Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

179 15.3 12.1 18.1

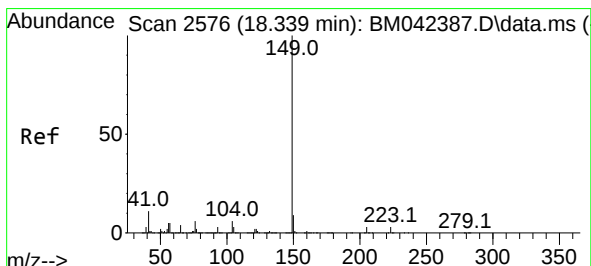
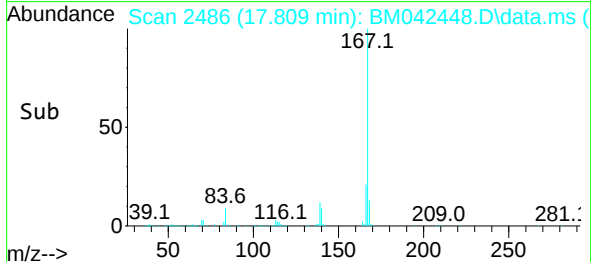
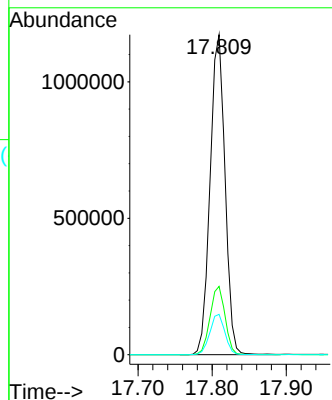
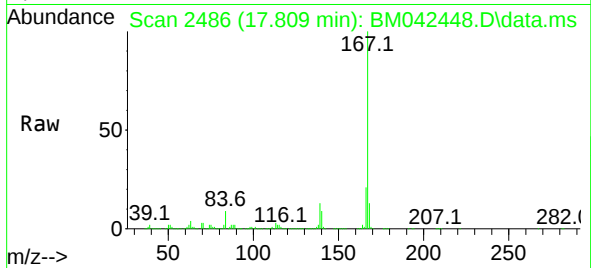




#73
 Carbazole
 Concen: 50.799 ng
 RT: 17.809 min Scan# 2487
 Delta R.T. -0.006 min
 Lab File: BM042448.D
 Acq: 25 Oct 2023 21:30

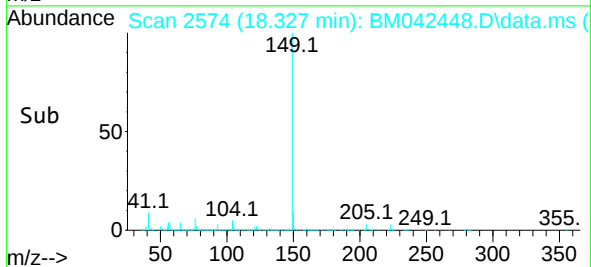
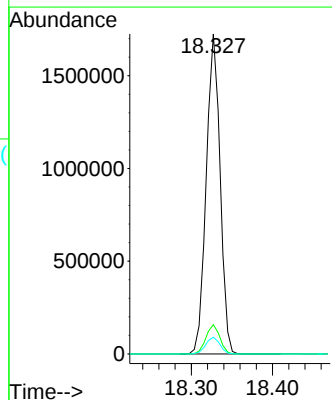
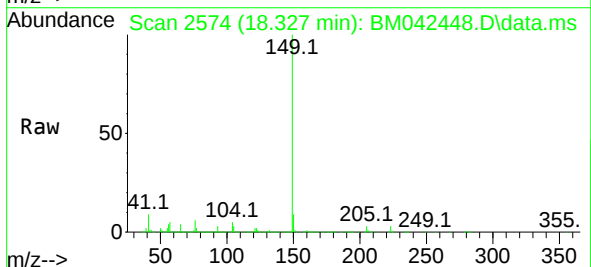
Instrument :
 BNA_M
 ClientSampleId :
 TRENCHWAY-SOIL-PILEMS

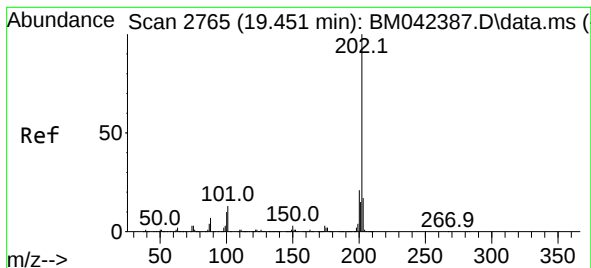
Tgt Ion:167 Resp: 1642925
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.4 26.0
 139 12.6 10.9 16.3



#74
 Di-n-butylphthalate
 Concen: 49.646 ng
 RT: 18.327 min Scan# 2574
 Delta R.T. -0.012 min
 Lab File: BM042448.D
 Acq: 25 Oct 2023 21:30

Tgt Ion:149 Resp: 2037423
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.0
 104 5.2 4.6 7.0





#75

Fluoranthene

Concen: 57.582 ng

RT: 19.439 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMS

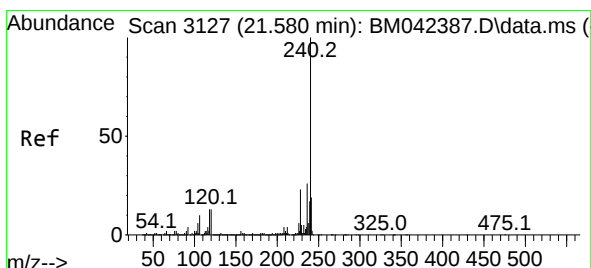
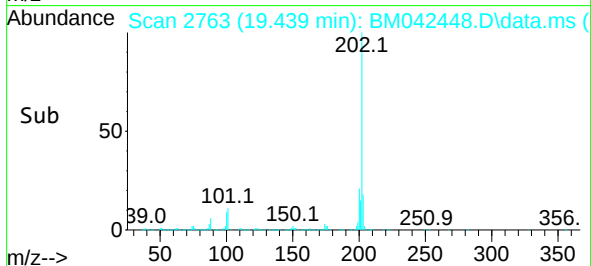
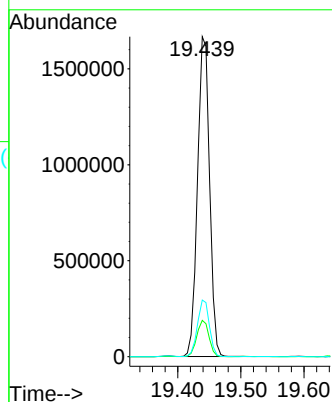
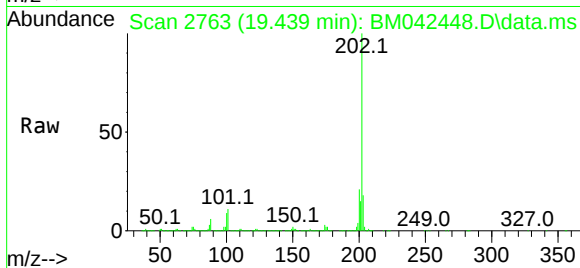
Tgt Ion:202 Resp: 2207540

Ion Ratio Lower Upper

202 100

101 11.4 0.0 33.3

203 17.7 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: BM042448.D

Acq: 25 Oct 2023 21:30

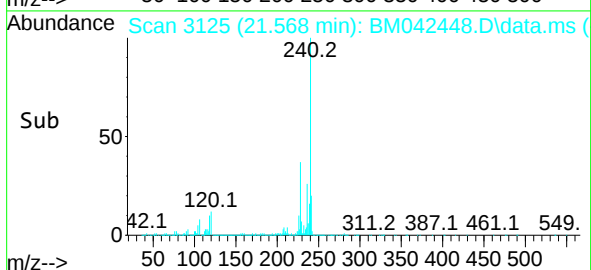
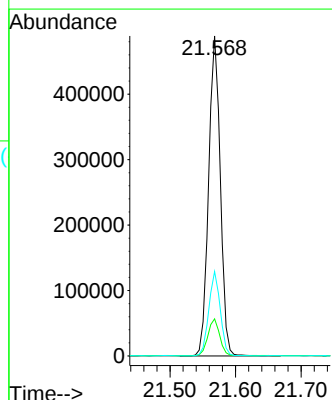
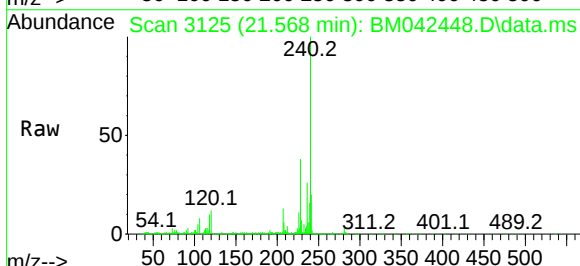
Tgt Ion:240 Resp: 608465

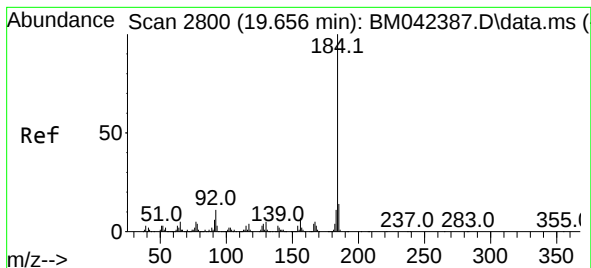
Ion Ratio Lower Upper

240 100

120 11.6 10.7 16.1

236 26.4 20.7 31.1





#77

Benzidine

Concen: 136.866 ng

RT: 19.650 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMS

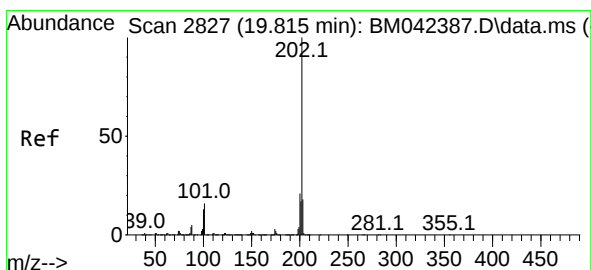
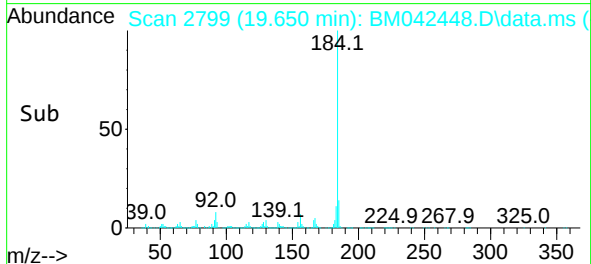
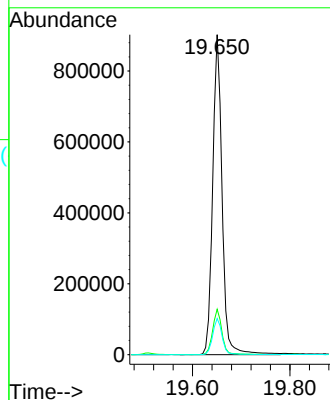
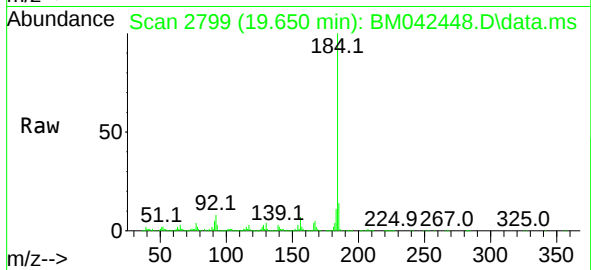
Tgt Ion:184 Resp: 1204553

Ion Ratio Lower Upper

184 100

185 14.2 11.5 17.3

183 11.3 9.2 13.8



#78

Pyrene

Concen: 53.980 ng

RT: 19.809 min Scan# 2826

Delta R.T. -0.006 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

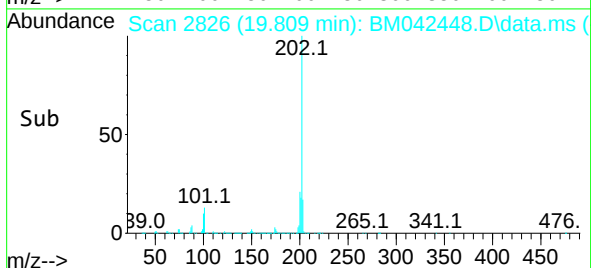
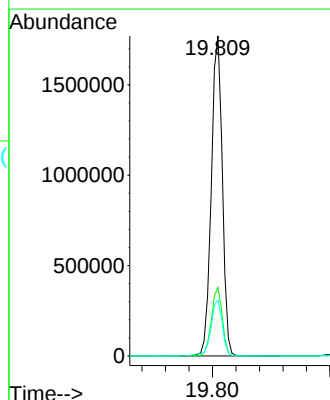
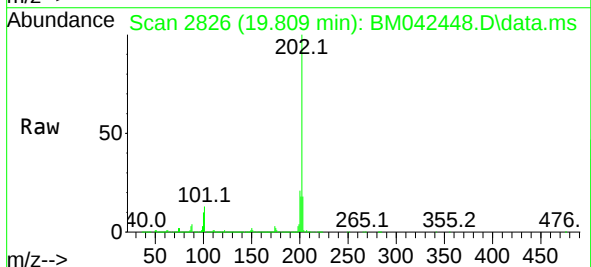
Tgt Ion:202 Resp: 2295178

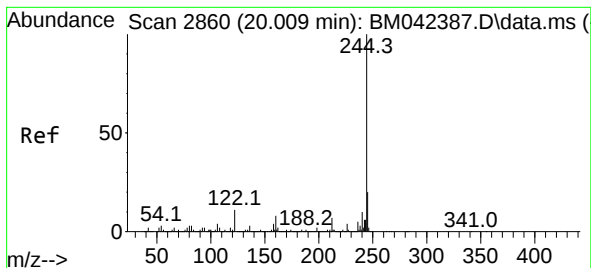
Ion Ratio Lower Upper

202 100

200 21.4 17.1 25.7

203 17.5 14.1 21.1





#79

Terphenyl-d14

Concen: 68.170 ng

RT: 19.998 min Scan# 21

Delta R.T. -0.011 min

Lab File: BM042448.D

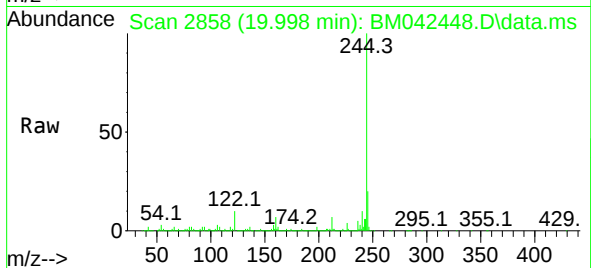
Acq: 25 Oct 2023 21:30

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMS



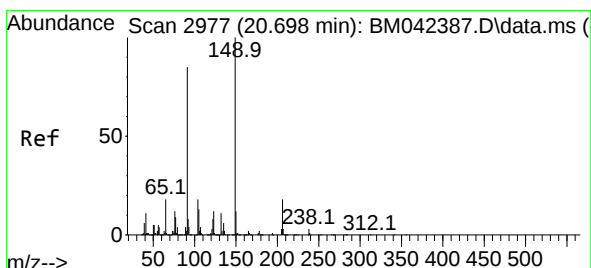
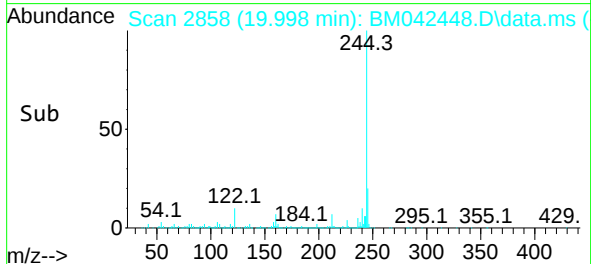
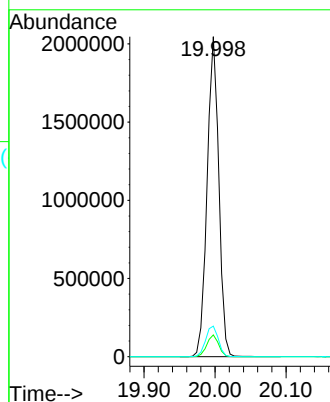
Tgt Ion:244 Resp: 2338838

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 9.6 8.8 13.2



#80

Butylbenzylphthalate

Concen: 50.269 ng

RT: 20.686 min Scan# 2975

Delta R.T. -0.012 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

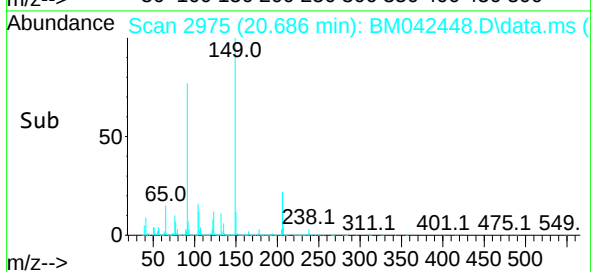
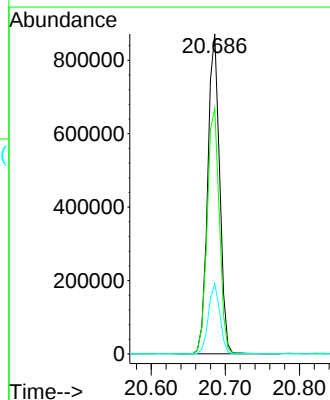
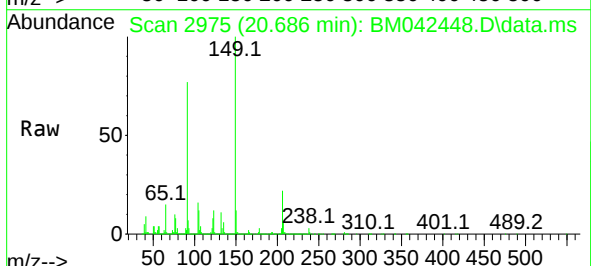
Tgt Ion:149 Resp: 972052

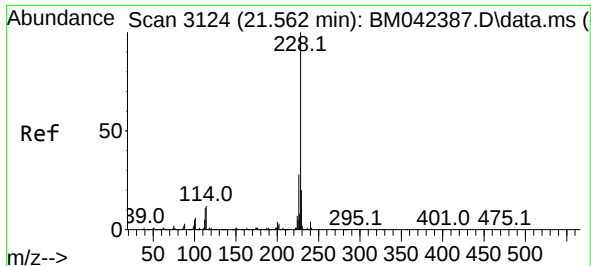
Ion Ratio Lower Upper

149 100

91 76.8 68.3 102.5

206 22.0 14.6 22.0#

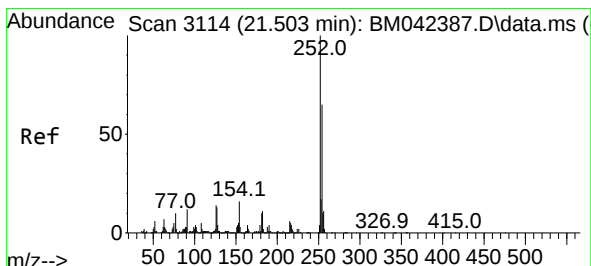
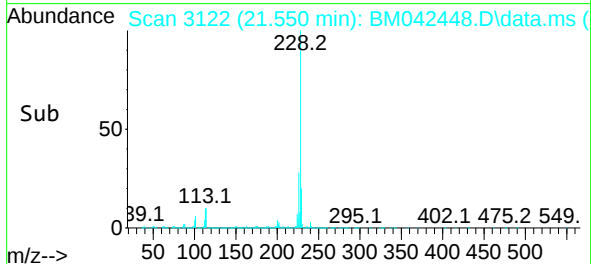
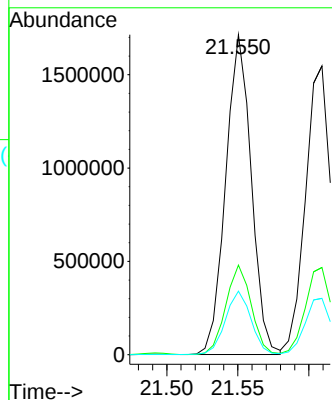
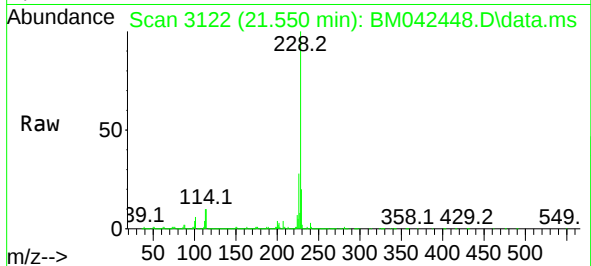




#81
Benzo(a)anthracene
Concen: 52.701 ng
RT: 21.550 min Scan# 3112
Delta R.T. -0.012 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

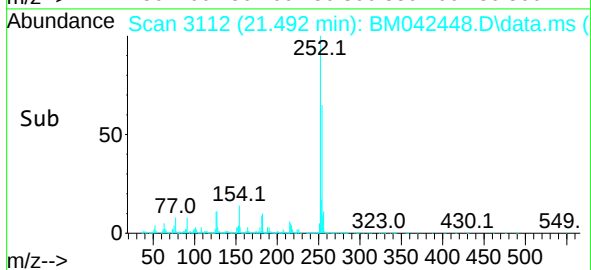
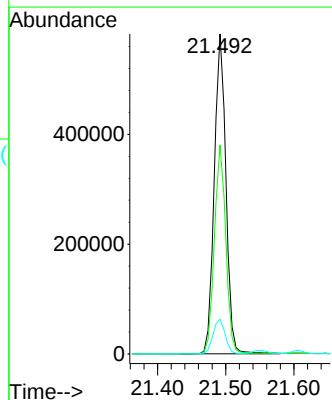
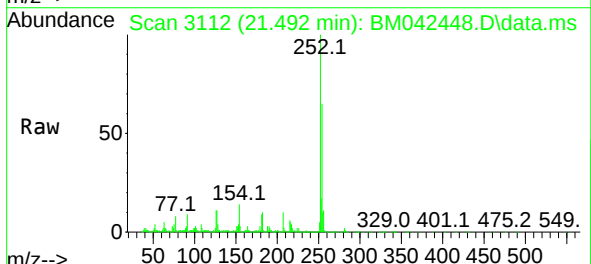
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMS

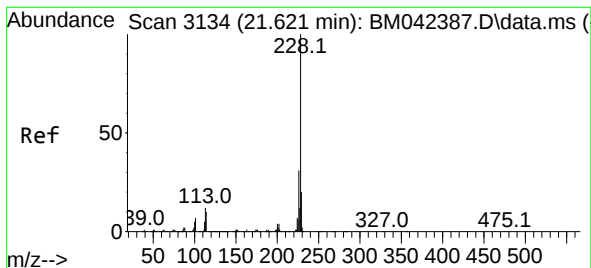
Tgt Ion:228 Resp: 2149697
Ion Ratio Lower Upper
228 100
226 28.0 22.2 33.4
229 19.9 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 56.948 ng
RT: 21.492 min Scan# 3112
Delta R.T. -0.011 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Tgt Ion:252 Resp: 693434
Ion Ratio Lower Upper
252 100
254 65.3 52.2 78.2
126 10.9 11.4 17.2#





#83

Chrysene

Concen: 49.567 ng

RT: 21.609 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMS

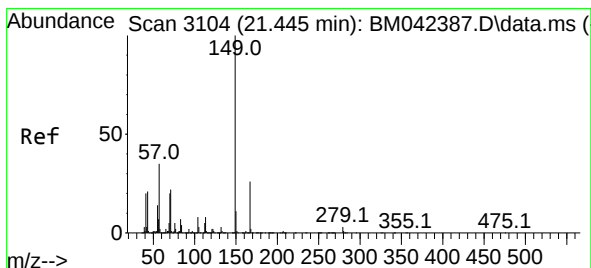
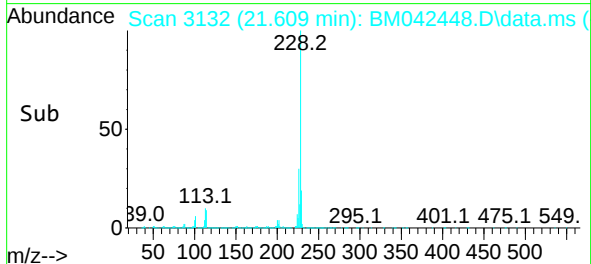
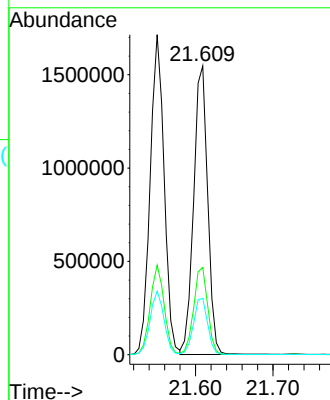
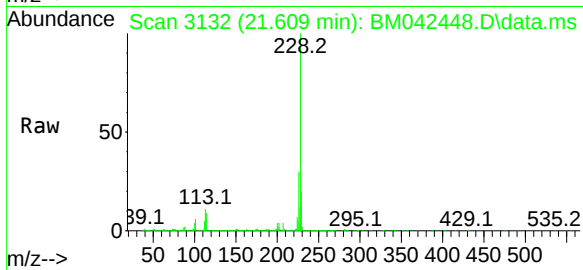
Tgt Ion:228 Resp: 1941916

Ion Ratio Lower Upper

228 100

226 30.2 24.6 36.8

229 19.5 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 52.720 ng

RT: 21.427 min Scan# 3101

Delta R.T. -0.018 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

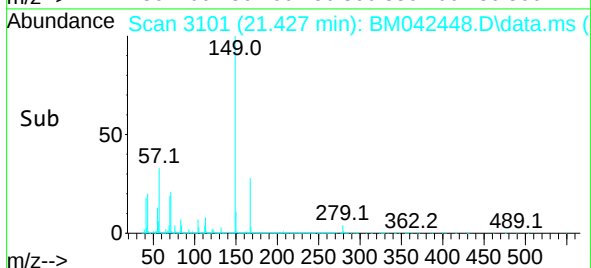
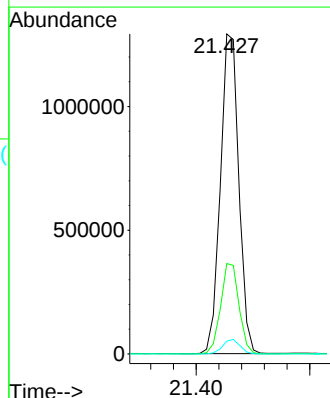
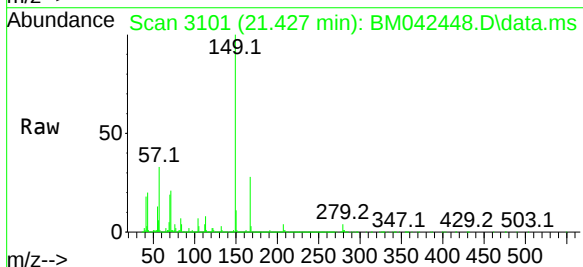
Tgt Ion:149 Resp: 1454292

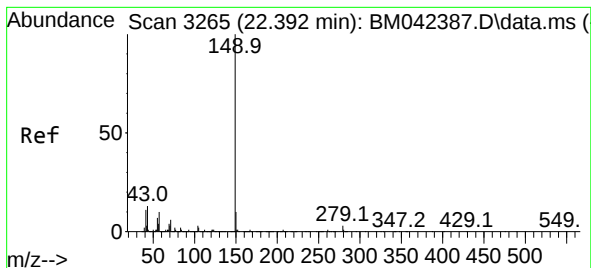
Ion Ratio Lower Upper

149 100

167 28.2 20.9 31.3

279 4.0 2.7 4.1





#85

Di-n-octyl phthalate

Concen: 52.775 ng

RT: 22.374 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMS

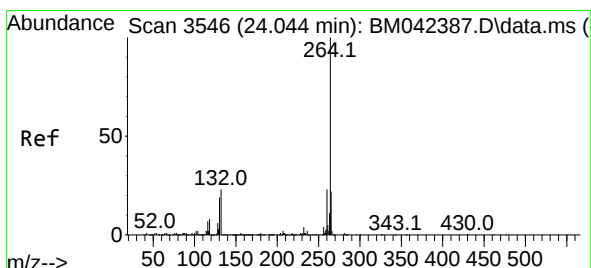
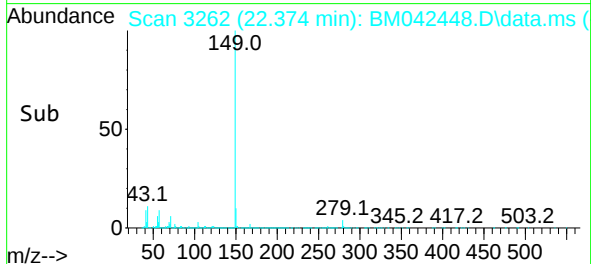
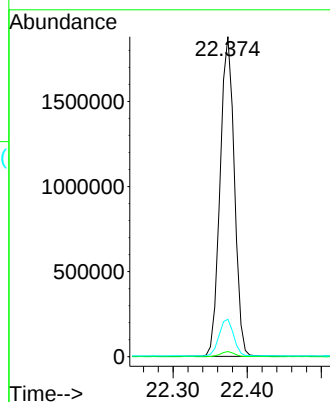
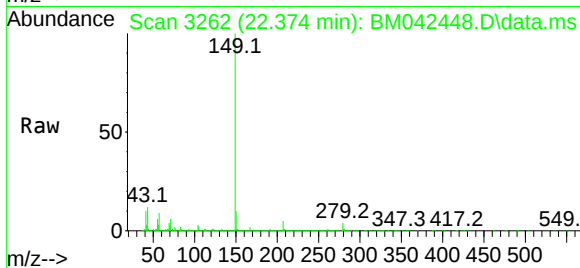
Tgt Ion:149 Resp: 2513989

Ion Ratio Lower Upper

149 100

167 1.5 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: BM042448.D

Acq: 25 Oct 2023 21:30

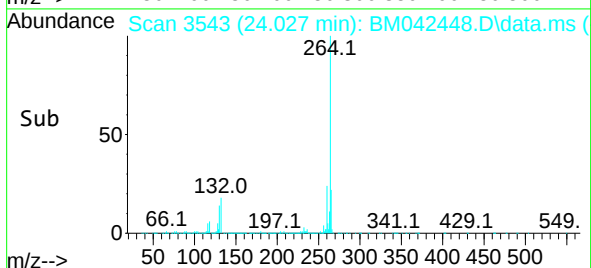
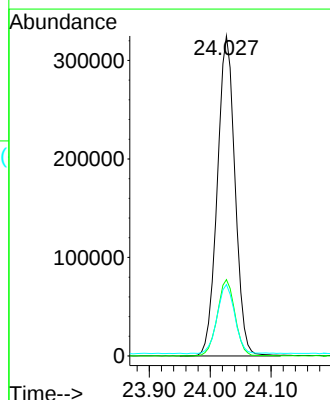
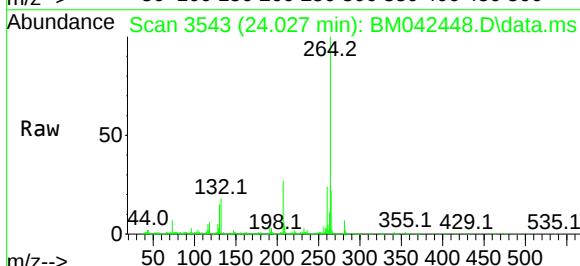
Tgt Ion:264 Resp: 656497

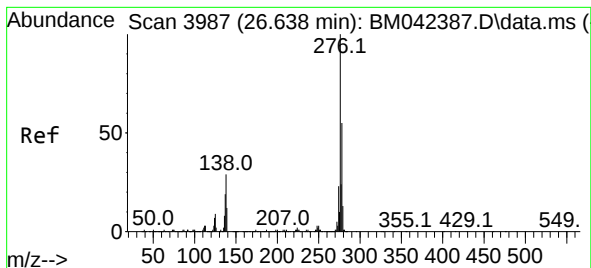
Ion Ratio Lower Upper

264 100

260 23.8 18.6 27.8

265 22.3 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 47.261 ng

RT: 26.609 min Scan# 3982

Delta R.T. -0.029 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMS

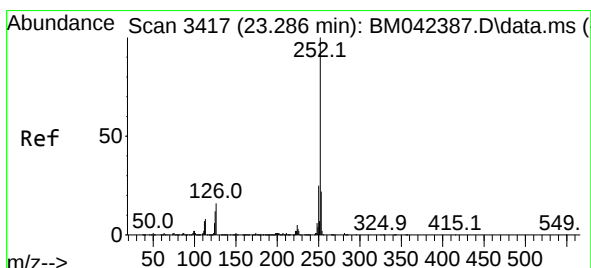
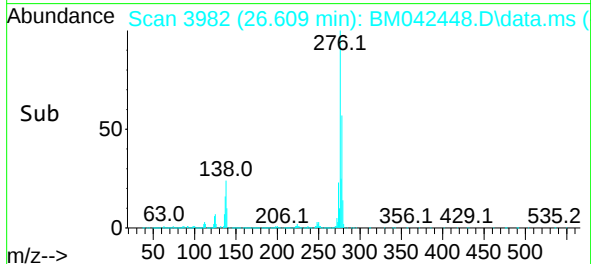
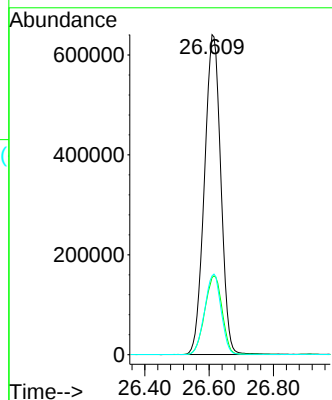
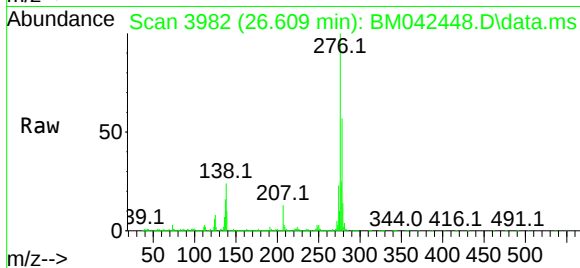
Tgt Ion:276 Resp: 2267441

Ion Ratio Lower Upper

276 100

138 25.9 25.6 38.4

277 25.3 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 51.940 ng

RT: 23.268 min Scan# 3414

Delta R.T. -0.018 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

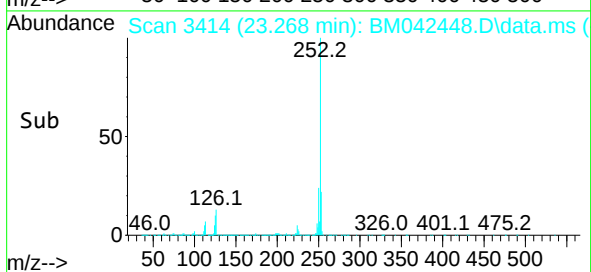
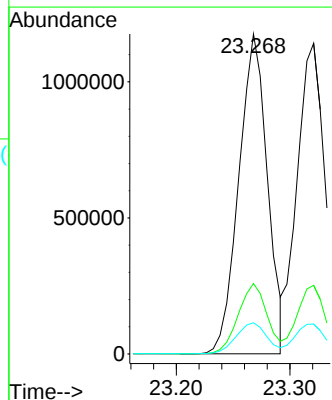
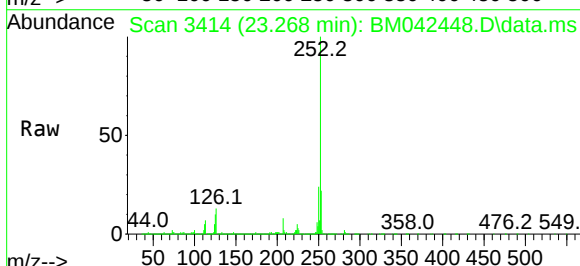
Tgt Ion:252 Resp: 2052467

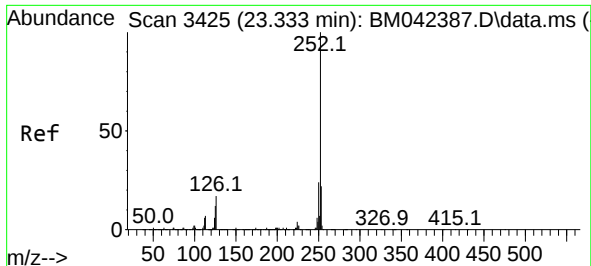
Ion Ratio Lower Upper

252 100

253 22.0 18.0 27.0

125 9.8 9.8 14.8#

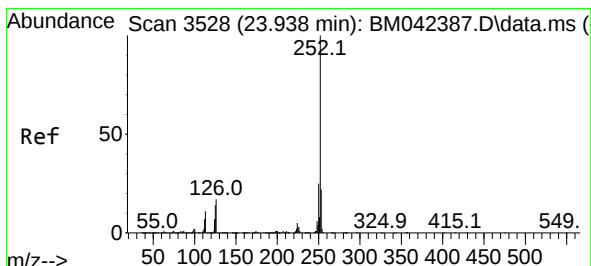
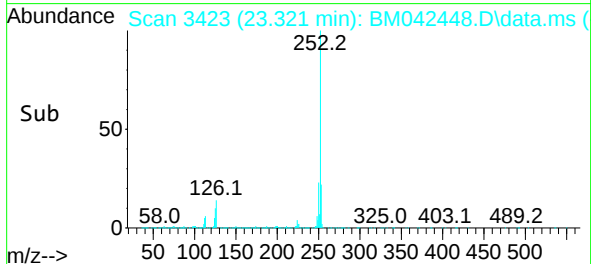
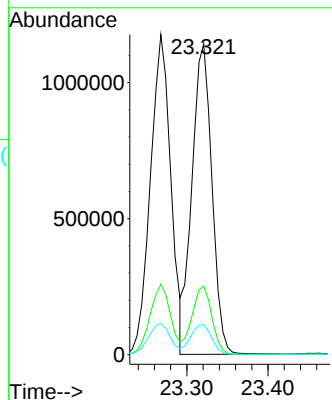
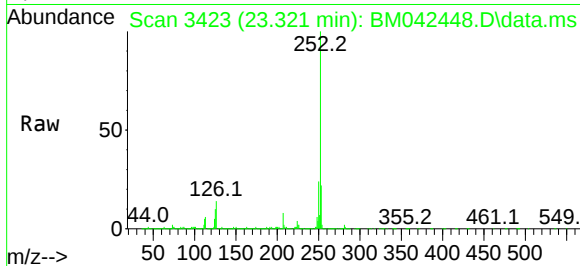




#89
Benzo(k)fluoranthene
Concen: 47.540 ng
RT: 23.321 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

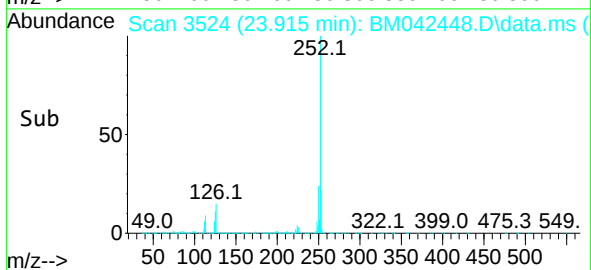
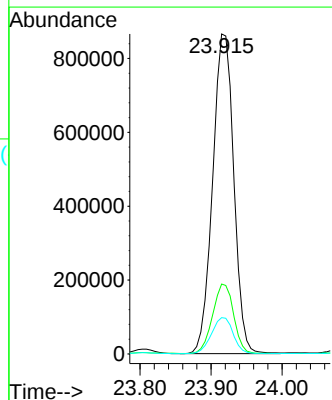
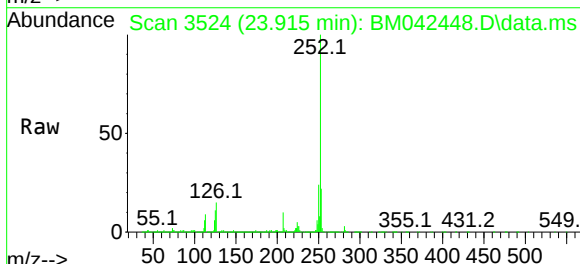
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILEMS

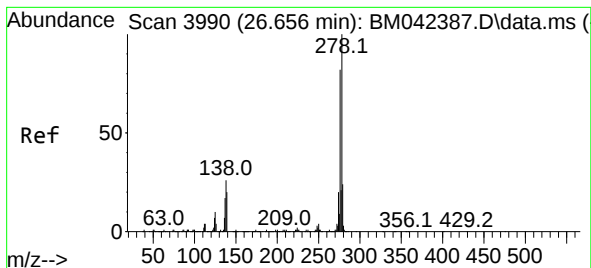
Tgt Ion:252 Resp: 1950387
Ion Ratio Lower Upper
252 100
253 22.1 17.9 26.9
125 9.6 10.2 15.2#



#90
Benzo(a)pyrene
Concen: 46.973 ng
RT: 23.915 min Scan# 3524
Delta R.T. -0.024 min
Lab File: BM042448.D
Acq: 25 Oct 2023 21:30

Tgt Ion:252 Resp: 1786603
Ion Ratio Lower Upper
252 100
253 21.9 17.9 26.9
125 11.4 10.9 16.3





#91

Dibenzo(a,h)anthracene

Concen: 46.863 ng

RT: 26.632 min Scan# 3990

Delta R.T. -0.024 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILEMS

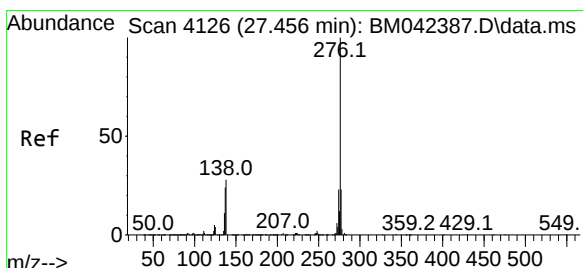
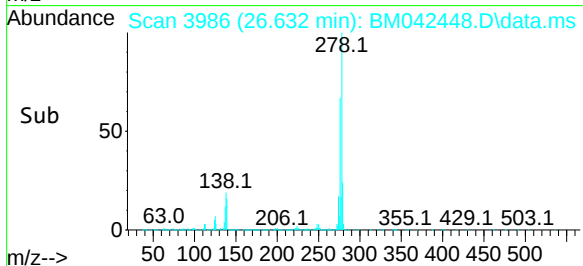
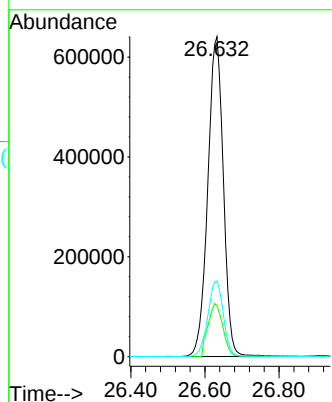
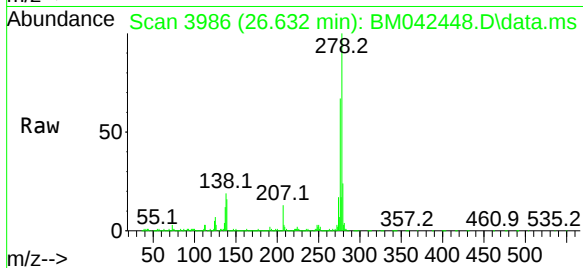
Tgt Ion:278 Resp: 1869296

Ion Ratio Lower Upper

278 100

139 15.9 15.6 23.4

279 23.6 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 46.471 ng

RT: 27.421 min Scan# 4120

Delta R.T. -0.035 min

Lab File: BM042448.D

Acq: 25 Oct 2023 21:30

Tgt Ion:276 Resp: 1800215

Ion Ratio Lower Upper

276 100

277 23.8 18.3 27.5

138 22.3 22.6 34.0#

