

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
 Data File : BM049956.D
 Acq On : 16 Apr 2025 17:24
 Operator : RC/JU
 Sample : Q1808-01MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OILY-SOIL-PILEMS

Quant Time: Apr 16 18:00:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	406363	20.000	ng	-0.01
21) Naphthalene-d8	10.563	136	1376105	20.000	ng	-0.01
39) Acenaphthene-d10	14.416	164	799224	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1420458	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1491037	20.000	ng	0.00
86) Perylene-d12	24.403	264	1703857	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1798675	75.162	ng	0.00
7) Phenol-d6	6.951	99	2296597	77.133	ng	0.00
23) Nitrobenzene-d5	8.928	82	1296581	52.467	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	799734	68.794	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	3027361	51.364	ng	-0.01
79) Terphenyl-d14	19.780	244	3597515	45.216	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.252	88	366188	37.156	ng	98
3) Pyridine	3.652	79	978539	37.790	ng	99
4) n-Nitrosodimethylamine	3.557	42	414748	42.088	ng	95
6) Aniline	7.098	93	810792	31.780	ng	100
8) 2-Chlorophenol	7.339	128	1055398	43.035	ng	100
9) Benzaldehyde	6.910	77	518591	33.941	ng	99
10) Phenol	6.975	94	1285447	44.241	ng	99
11) bis(2-Chloroethyl)ether	7.192	93	978420	42.941	ng	99
12) 1,3-Dichlorobenzene	7.657	146	1231028	42.457	ng	98
13) 1,4-Dichlorobenzene	7.804	146	1236638	42.387	ng	100
14) 1,2-Dichlorobenzene	8.122	146	1189123	43.273	ng	99
15) Benzyl Alcohol	8.010	79	787637	42.010	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.292	45	1111983	43.786	ng	99
17) 2-Methylphenol	8.222	107	797104	44.518	ng	98
18) Hexachloroethane	8.845	117	416775	41.061	ng	96
19) n-Nitroso-di-n-propyla...	8.575	70	686637	41.638	ng	99
20) 3+4-Methylphenols	8.551	107	1063294	43.558	ng	99
22) Acetophenone	8.592	105	1396852	41.767	ng	# 99
24) Nitrobenzene	8.969	77	998358	41.956	ng	99
25) Isophorone	9.498	82	1817234	43.897	ng	98
26) 2-Nitrophenol	9.681	139	540044	42.820	ng	99
27) 2,4-Dimethylphenol	9.751	122	874829	61.207	ng	96
28) bis(2-Chloroethoxy)met...	9.975	93	1158839	41.813	ng	99
29) 2,4-Dichlorophenol	10.228	162	992720	41.783	ng	99
30) 1,2,4-Trichlorobenzene	10.428	180	1161378	42.254	ng	100
31) Naphthalene	10.616	128	2876743	40.684	ng	100
32) Benzoic acid	9.898	122	462053	29.979	ng	99
33) 4-Chloroaniline	10.739	127	432260	17.312	ng	98
34) Hexachlorobutadiene	10.898	225	738495	43.437	ng	98
35) Caprolactam	11.516	113	242249	35.550	ng	96
36) 4-Chloro-3-methylphenol	11.869	107	808552	38.851	ng	99
37) 2-Methylnaphthalene	12.227	142	1830601	36.745	ng	100
38) 1-Methylnaphthalene	12.451	142	1906413	39.278	ng	99
40) 1,2,4,5-Tetrachloroben...	12.604	216	1265551	45.262	ng	99
41) Hexachlorocyclopentadiene	12.580	237	1280455	130.691	ng	98
43) 2,4,6-Trichlorophenol	12.845	196	797228	44.807	ng	100

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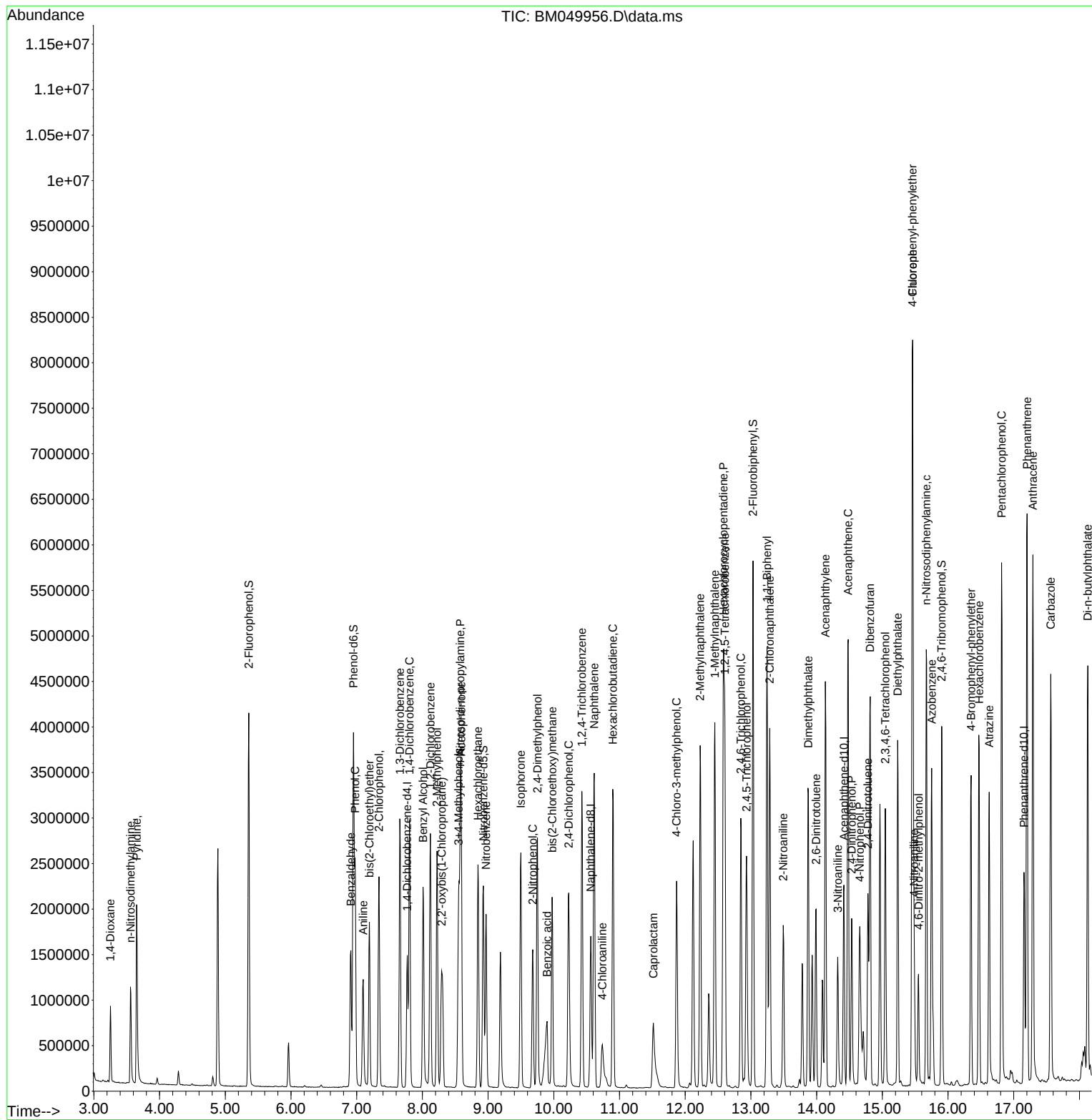
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	842808	43.590	ng	99
46) 1,1'-Biphenyl	13.245	154	2592921	43.643	ng	100
47) 2-Chloronaphthalene	13.286	162	2054225	43.991	ng	99
48) 2-Nitroaniline	13.492	65	469384	43.449	ng	98
49) Acenaphthylene	14.133	152	3229442	47.477	ng	99
50) Dimethylphthalate	13.874	163	2324736	41.230	ng	100
51) 2,6-Dinitrotoluene	13.992	165	502133	42.506	ng	98
52) Acenaphthene	14.480	154	1824893	42.178	ng	100
53) 3-Nitroaniline	14.321	138	406613	35.613	ng	95
54) 2,4-Dinitrophenol	14.533	184	476695	57.914	ng	99
55) Dibenzofuran	14.815	168	2924369	40.431	ng	99
56) 4-Nitrophenol	14.657	139	777995	76.465	ng	99
57) 2,4-Dinitrotoluene	14.780	165	671437	42.604	ng	98
58) Fluorene	15.462	166	2376020	41.327	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.045	232	675881	39.883	ng	97
60) Diethylphthalate	15.233	149	2066795	38.223	ng	99
61) 4-Chlorophenyl-phenyle...	15.457	204	1283435	41.637	ng	99
62) 4-Nitroaniline	15.486	138	449887	38.102	ng	98
63) Azobenzene	15.751	77	1954255	42.215	ng	96
65) 4,6-Dinitro-2-methylph...	15.551	198	319385	35.681	ng	95
66) n-Nitrosodiphenylamine	15.668	169	1940515	45.649	ng	100
67) 4-Bromophenyl-phenylether	16.351	248	752409	45.629	ng	95
68) Hexachlorobenzene	16.474	284	849476	44.912	ng	98
69) Atrazine	16.627	200	644299	58.457	ng	98
70) Pentachlorophenol	16.815	266	1129411	81.106	ng	99
71) Phenanthrene	17.204	178	3893868	50.001	ng	100
72) Anthracene	17.292	178	3612196	47.068	ng	100
73) Carbazole	17.562	167	3029760	41.915	ng	99
74) Di-n-butylphthalate	18.127	149	3321320	39.892	ng	100
75) Fluoranthene	19.221	202	5598504	58.470	ng	99
77) Benzidine	19.403	184	1757191	88.834	ng	100
78) Pyrene	19.580	202	5556582	54.074	ng	99
80) Butylbenzylphthalate	20.480	149	1483885	38.430	ng	95
81) Benzo(a)anthracene	21.380	228	5147445	51.945	ng	99
82) 3,3'-Dichlorobenzidine	21.303	252	1236885	33.052	ng	100
83) Chrysene	21.444	228	4702904	49.920	ng	99
84) Bis(2-ethylhexyl)phtha...	21.303	149	2193530	38.992	ng	97
85) Di-n-octyl phthalate	22.433	149	3960481	40.242	ng	# 99
87) Indeno(1,2,3-cd)pyrene	27.803	276	6056980	47.690	ng	98
88) Benzo(b)fluoranthene	23.456	252	5423030	49.835	ng	99
89) Benzo(k)fluoranthene	23.521	252	4972441	47.153	ng	99
90) Benzo(a)pyrene	24.262	252	5073049	53.053	ng	99
91) Dibenzo(a,h)anthracene	27.856	278	4649002	44.439	ng	99
92) Benzo(g,h,i)perylene	28.856	276	4814163	45.033	ng	98

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

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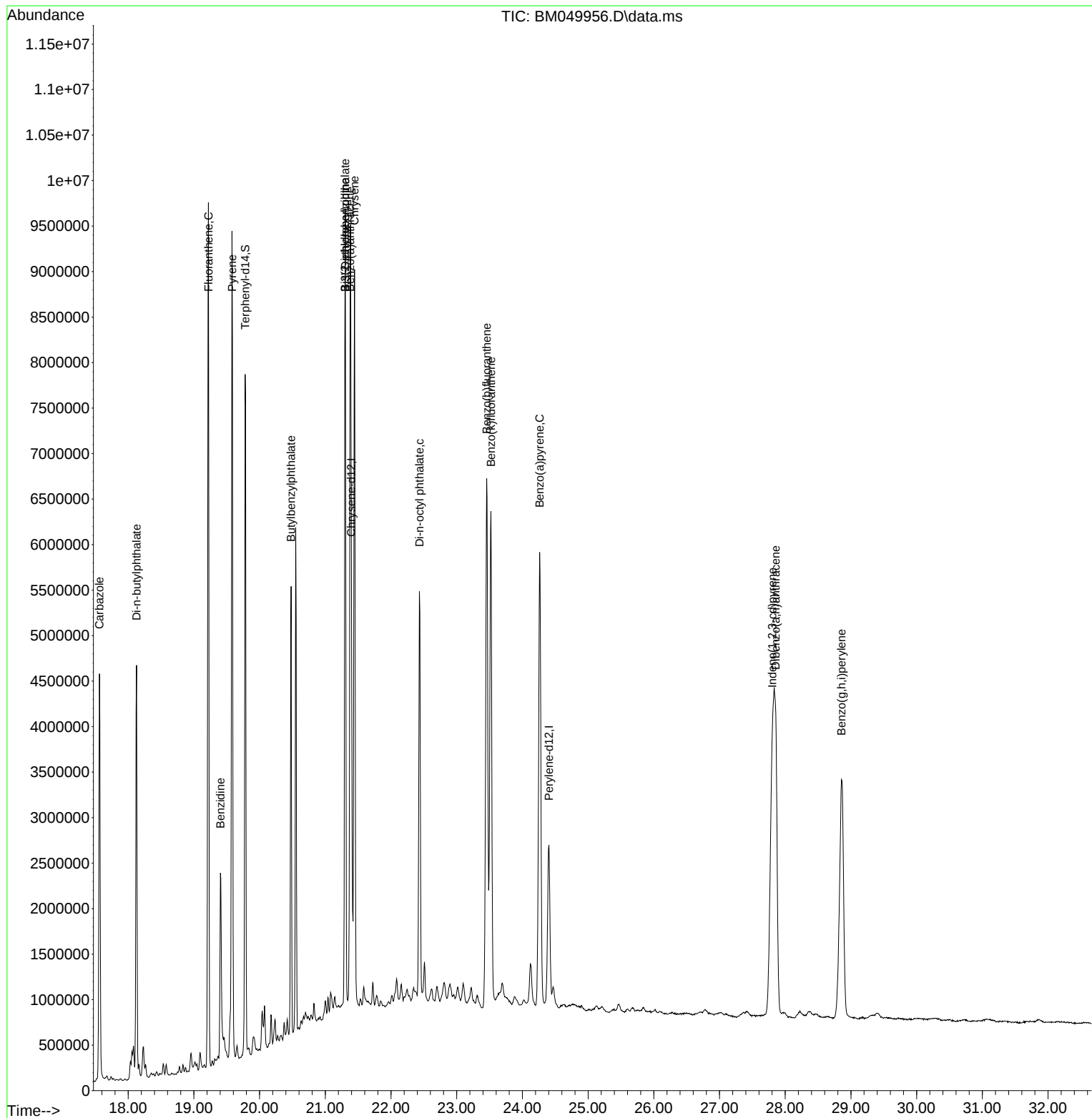
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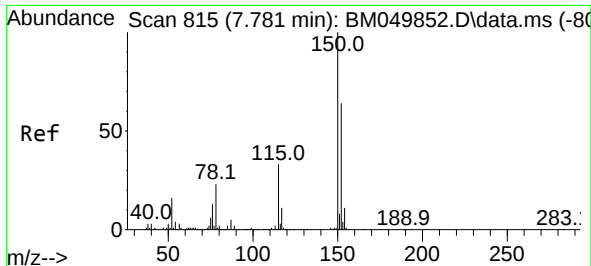


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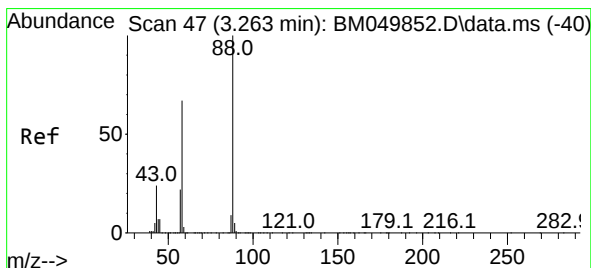
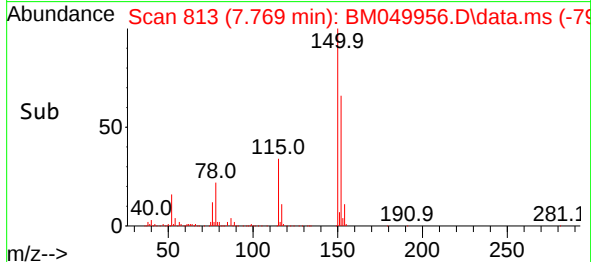
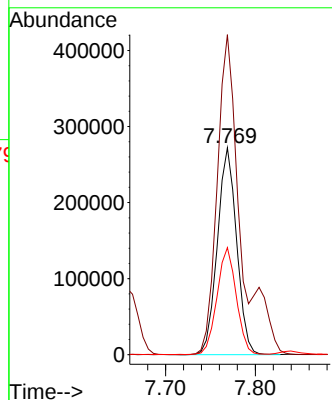
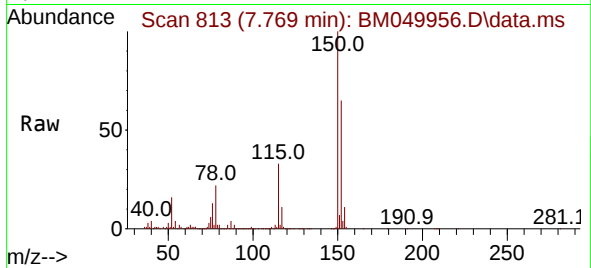




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 815
Delta R.T. -0.012 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

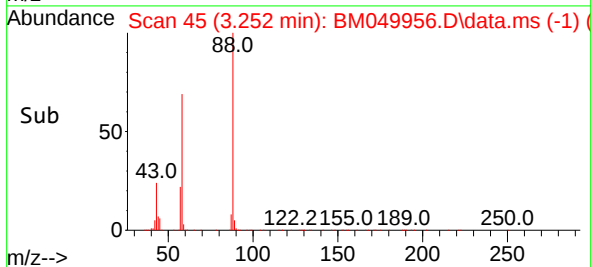
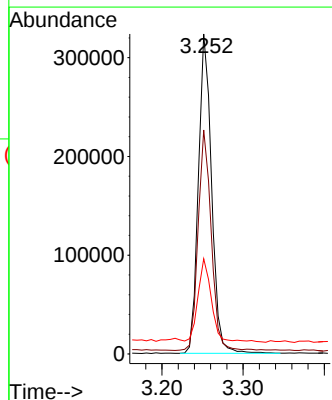
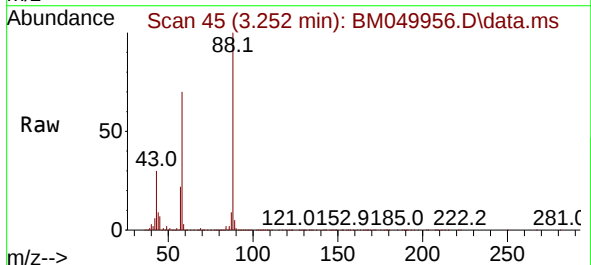
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BNA_M
ClientSampleId :
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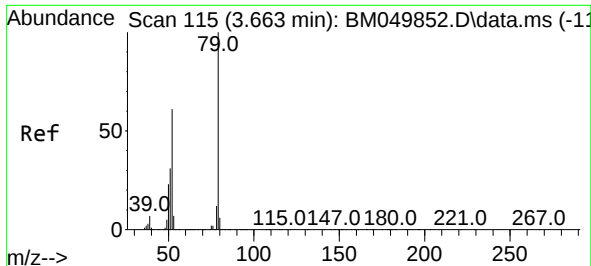
Tgt Ion:152 Resp: 406363
Ion Ratio Lower Upper
152 100
150 154.7 124.3 186.5
115 51.8 41.1 61.7



#2
1,4-Dioxane
Concen: 37.156 ng
RT: 3.252 min Scan# 45
Delta R.T. -0.012 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion: 88 Resp: 366188
Ion Ratio Lower Upper
88 100
58 68.9 54.1 81.1
43 27.1 20.2 30.4





#3

Pyridine

Concen: 37.790 ng

RT: 3.652 min Scan# 11

Delta R.T. -0.012 min

Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

Instrument :

BNA_M

ClientSampleId :

OILY-SOIL-PILEMS

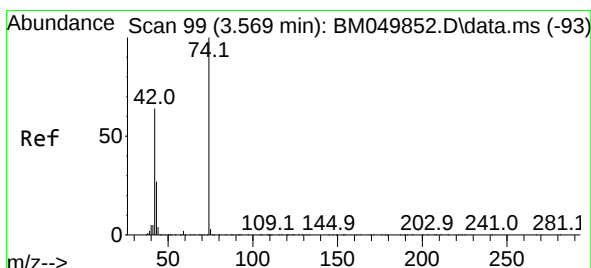
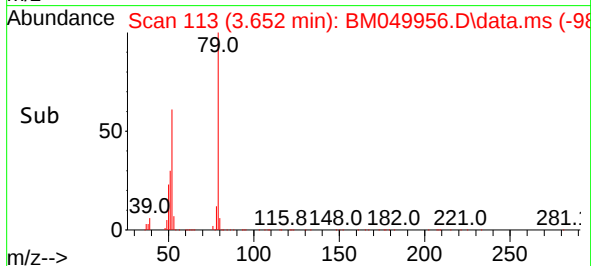
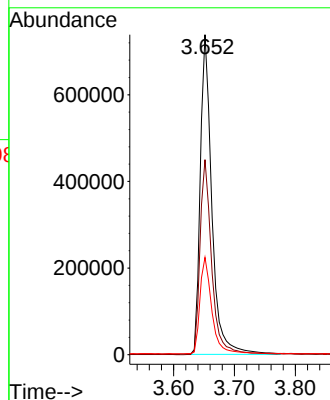
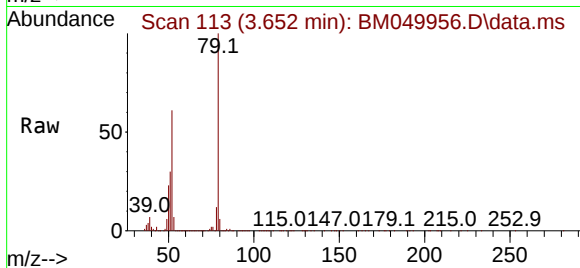
Tgt Ion: 79 Resp: 978539

Ion Ratio Lower Upper

79 100

52 60.9 48.9 73.3

51 30.4 25.0 37.6



#4

n-Nitrosodimethylamine

Concen: 42.088 ng

RT: 3.557 min Scan# 97

Delta R.T. -0.012 min

Lab File: BM049956.D

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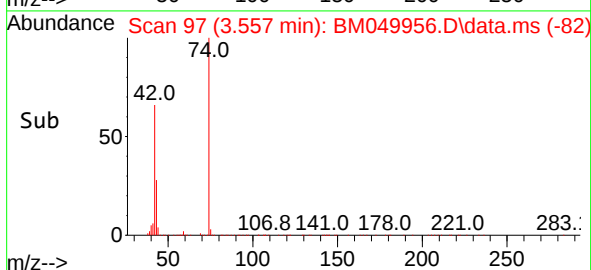
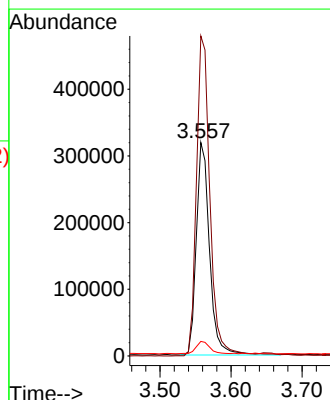
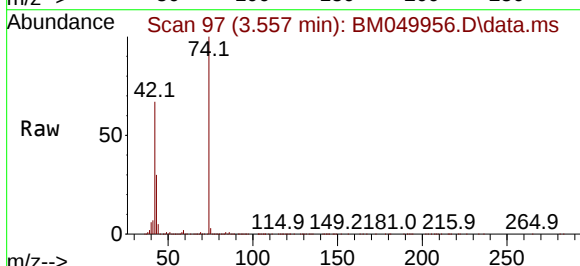
Tgt Ion: 42 Resp: 414748

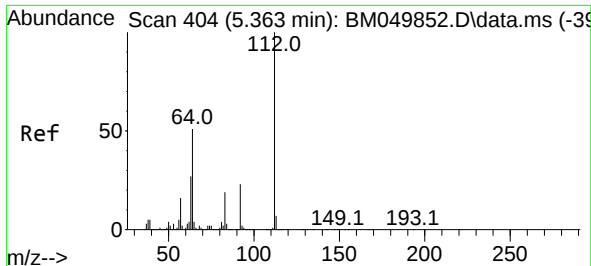
Ion Ratio Lower Upper

42 100

74 149.9 125.4 188.2

44 6.9 5.9 8.9

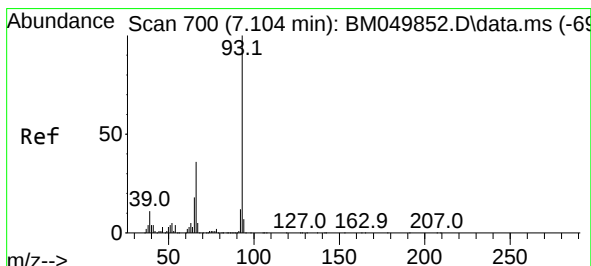
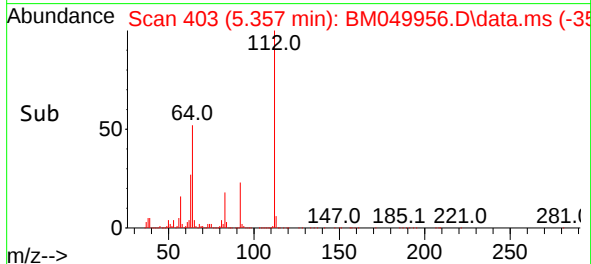
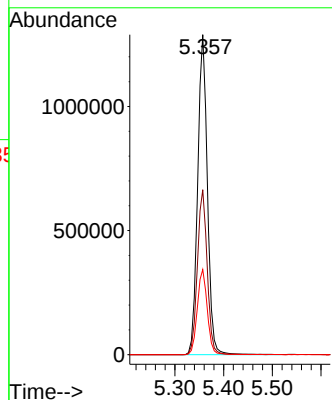
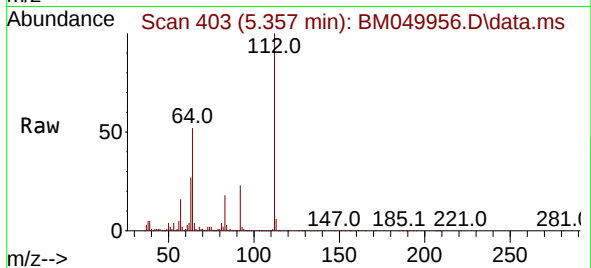




#5
2-Fluorophenol
Concen: 75.162 ng
RT: 5.357 min Scan# 404
Delta R.T. -0.006 min
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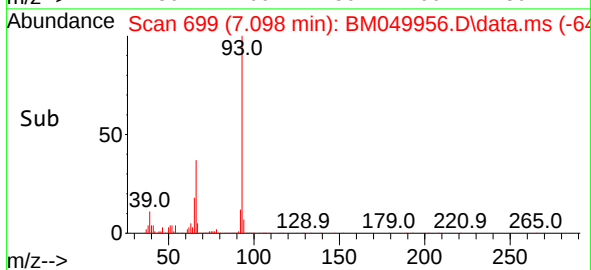
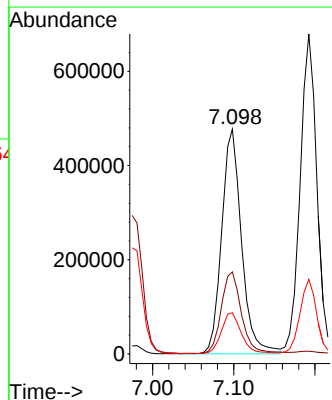
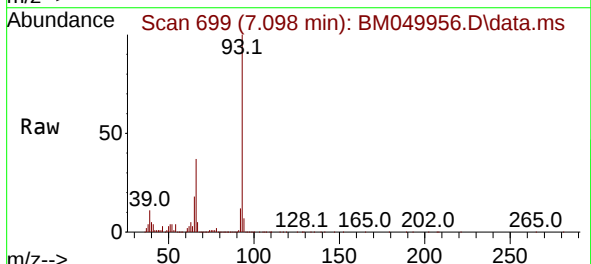
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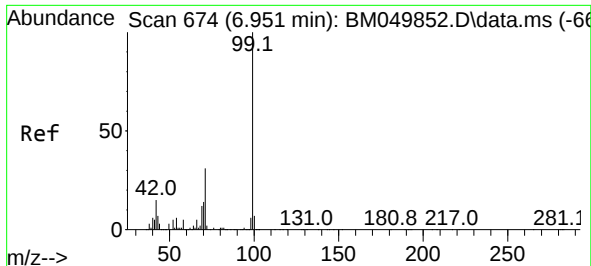
Tgt Ion:112 Resp: 1798675
Ion Ratio Lower Upper
112 100
64 51.6 41.0 61.6
63 26.6 21.5 32.3



#6
Aniline
Concen: 31.780 ng
RT: 7.098 min Scan# 699
Delta R.T. -0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion: 93 Resp: 810792
Ion Ratio Lower Upper
93 100
66 36.5 29.1 43.7
65 18.3 14.9 22.3



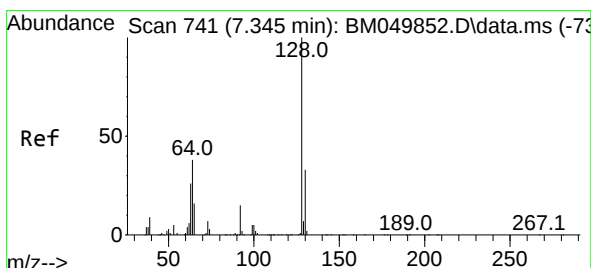
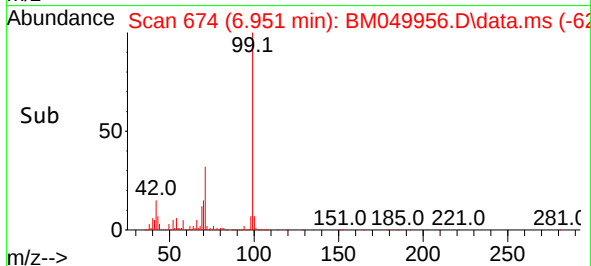
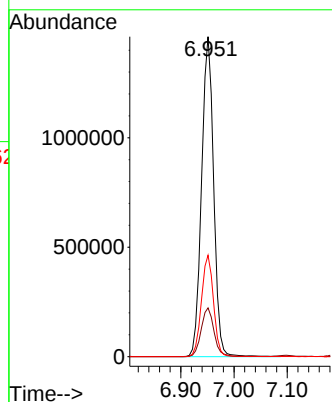
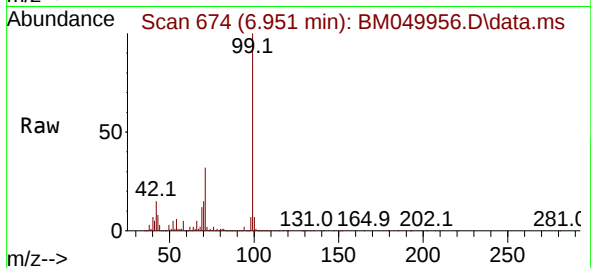


#7
Phenol-d6
Concen: 77.133 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
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Tgt Ion: 99 Resp: 2296597

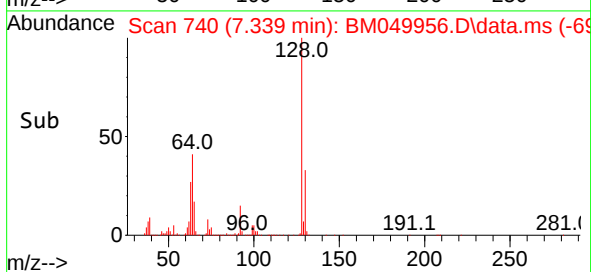
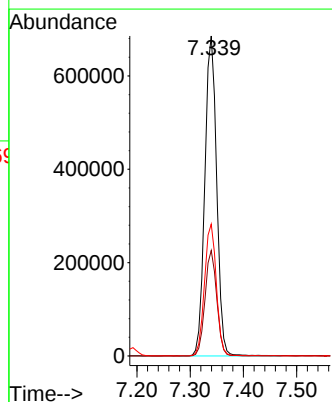
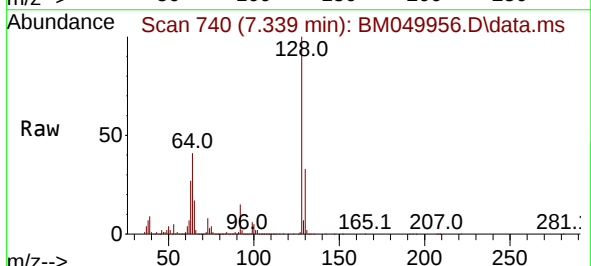
Ion	Ratio	Lower	Upper
99	100		
42	15.2	12.1	18.1
71	31.7	24.9	37.3

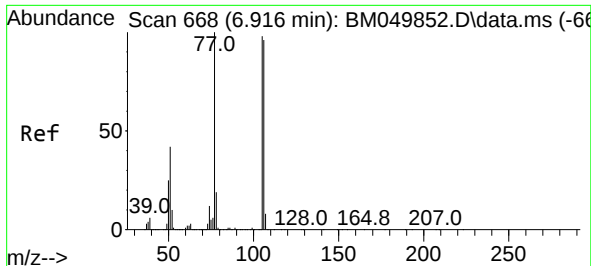


#8
2-Chlorophenol
Concen: 43.035 ng
RT: 7.339 min Scan# 740
Delta R.T. -0.006 min
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Tgt Ion:128 Resp: 1055398

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.6	52.6
64	41.2	21.1	61.1

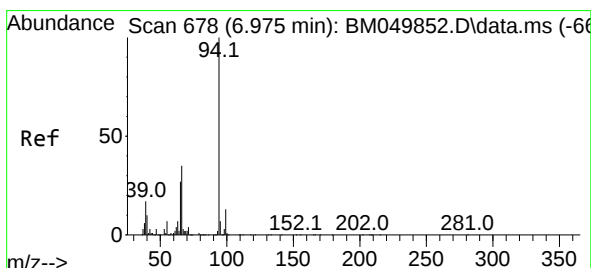
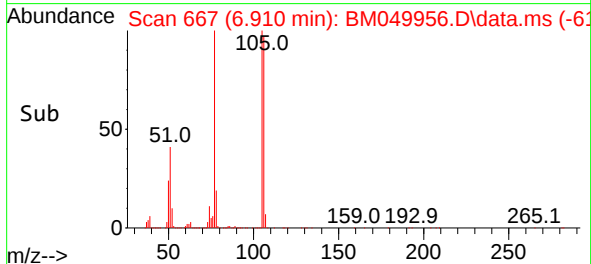
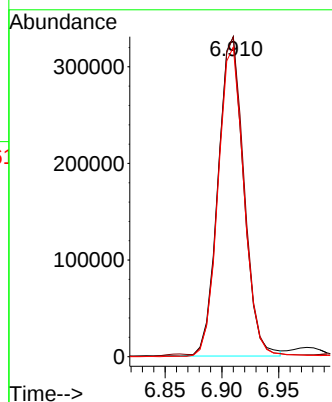
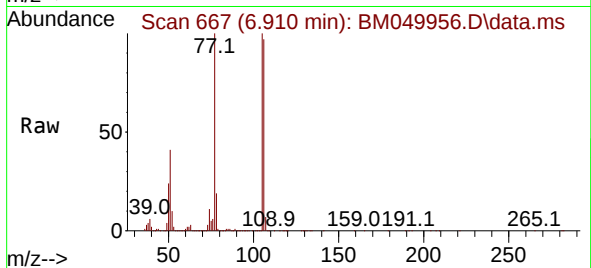




#9
Benzaldehyde
Concen: 33.941 ng
RT: 6.910 min Scan# 668
Delta R.T. -0.006 min
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Acq: 16 Apr 2025 17:24

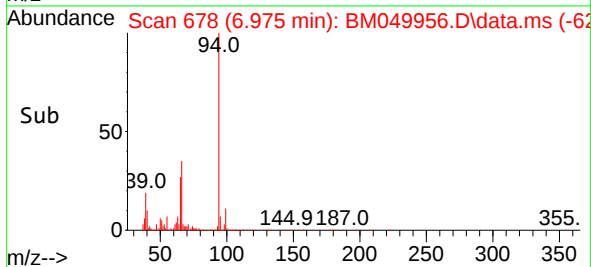
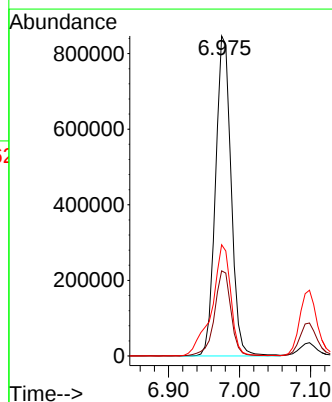
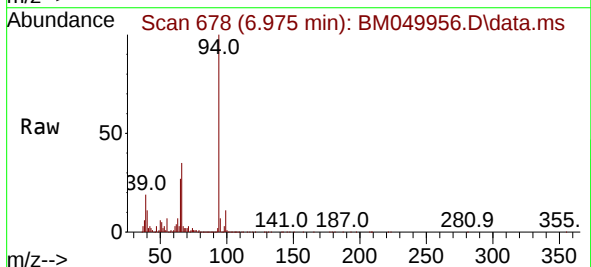
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMS

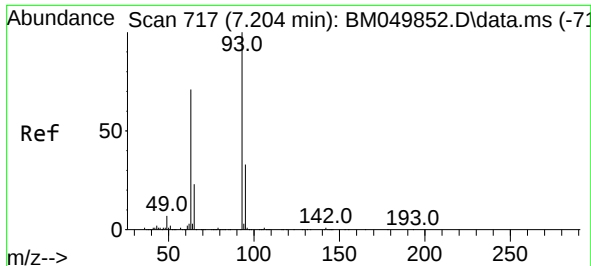
Tgt Ion: 77 Resp: 518591
Ion Ratio Lower Upper
77 100
105 99.9 78.3 118.3
106 96.8 76.0 116.0



#10
Phenol
Concen: 44.241 ng
RT: 6.975 min Scan# 678
Delta R.T. -0.000 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion: 94 Resp: 1285447
Ion Ratio Lower Upper
94 100
65 26.6 7.3 47.3
66 34.7 14.8 54.8

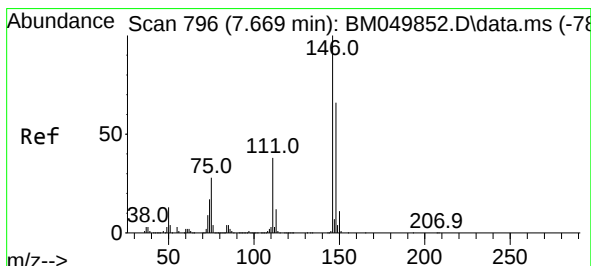
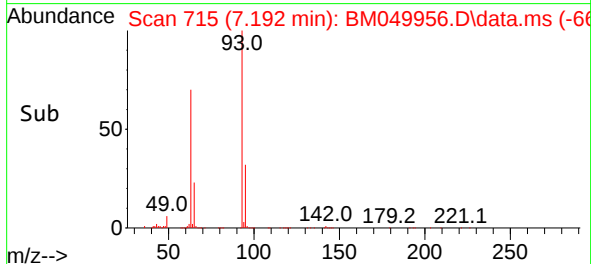
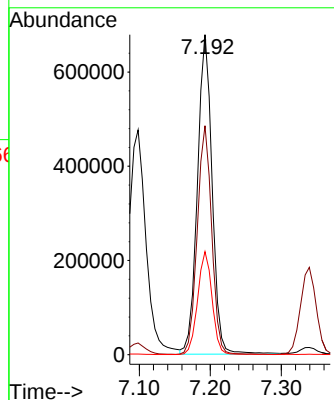
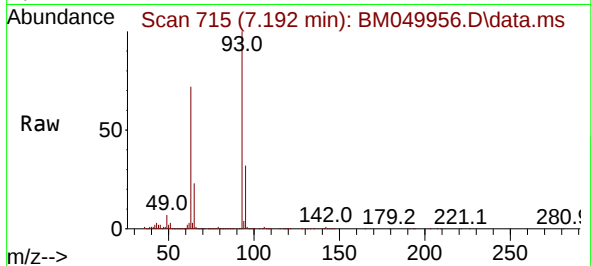




#11
bis(2-Chloroethyl)ether
Concen: 42.941 ng
RT: 7.192 min Scan# 715
Delta R.T. -0.012 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

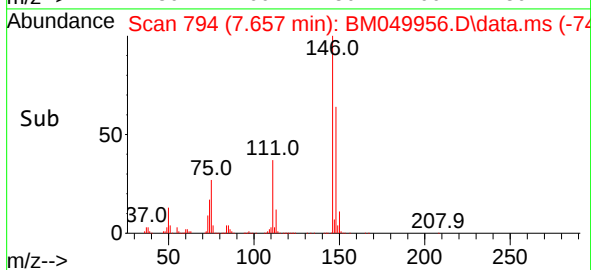
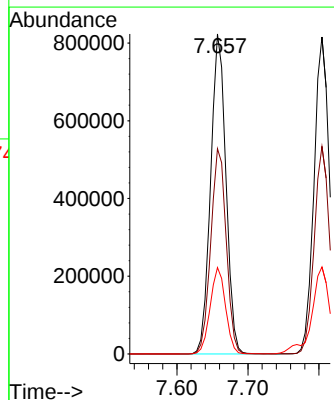
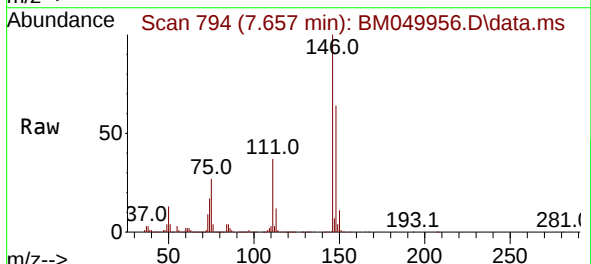
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMS

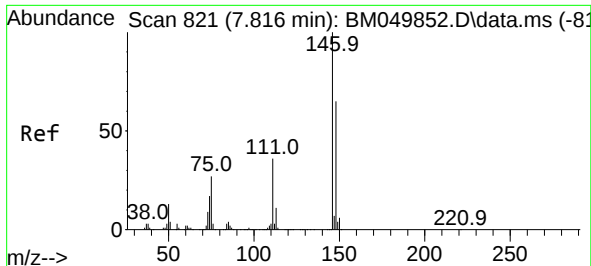
Tgt Ion: 93 Resp: 978420
Ion Ratio Lower Upper
93 100
63 71.6 50.9 90.9
95 32.2 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 42.457 ng
RT: 7.657 min Scan# 794
Delta R.T. -0.012 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion:146 Resp: 1231028
Ion Ratio Lower Upper
146 100
148 64.2 52.5 78.7
75 27.0 22.5 33.7

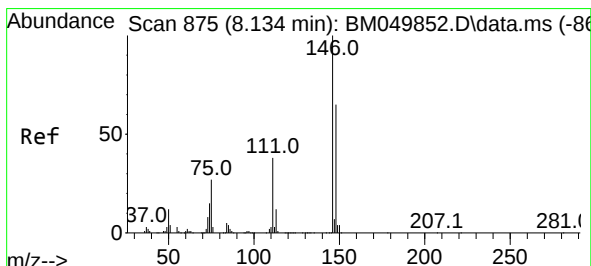
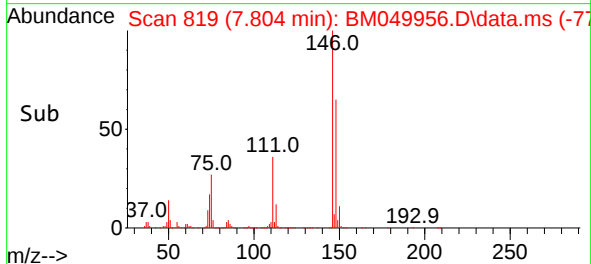
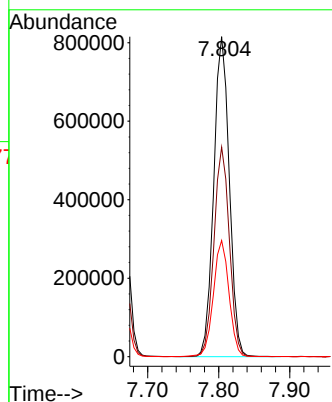
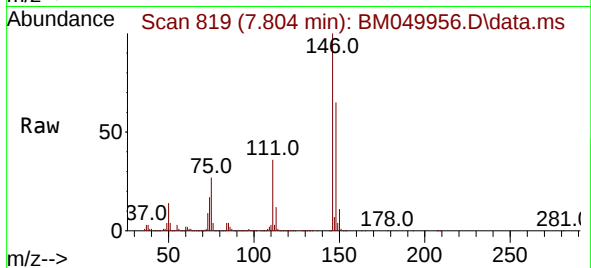




#13
1,4-Dichlorobenzene
Concen: 42.387 ng
RT: 7.804 min Scan# 819
Delta R.T. -0.012 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

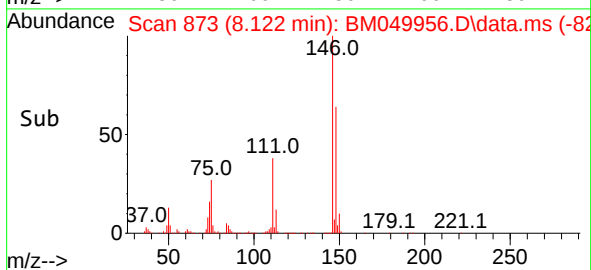
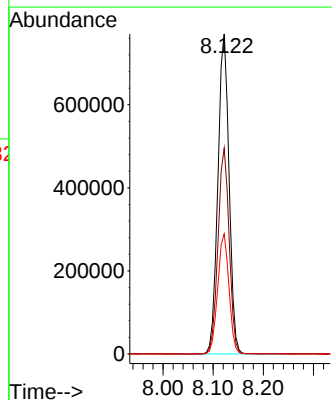
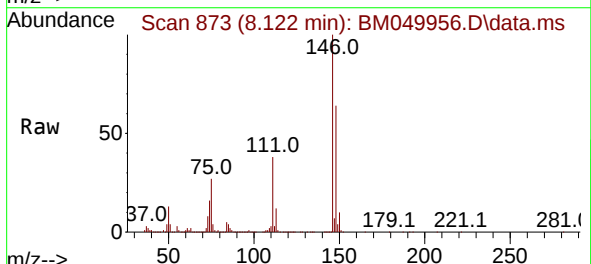
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMS

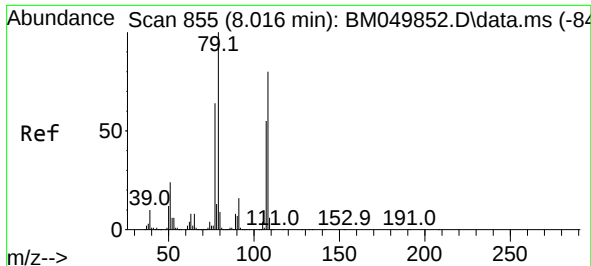
Tgt Ion:146 Resp: 1236638
Ion Ratio Lower Upper
146 100
148 65.5 52.4 78.6
111 36.3 28.5 42.7



#14
1,2-Dichlorobenzene
Concen: 43.273 ng
RT: 8.122 min Scan# 873
Delta R.T. -0.012 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion:146 Resp: 1189123
Ion Ratio Lower Upper
146 100
148 64.3 51.8 77.8
111 37.6 30.2 45.4

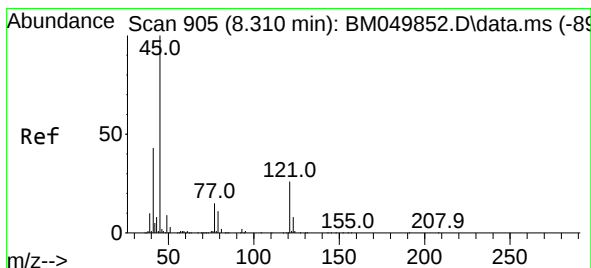
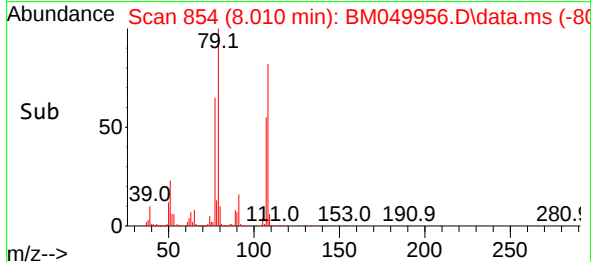
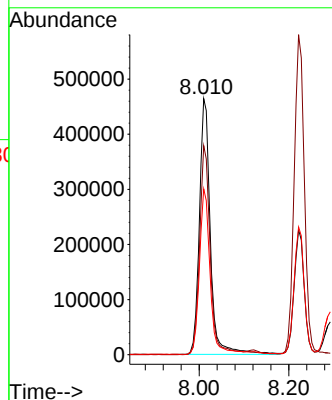
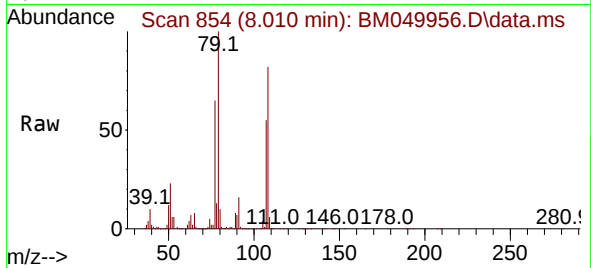




#15
Benzyl Alcohol
Concen: 42.010 ng
RT: 8.010 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

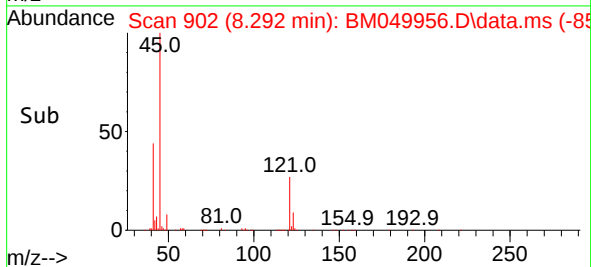
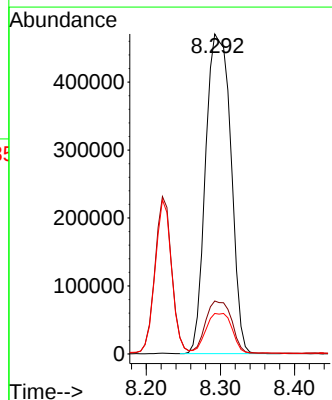
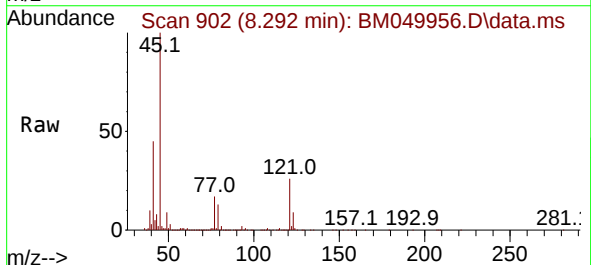
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMS

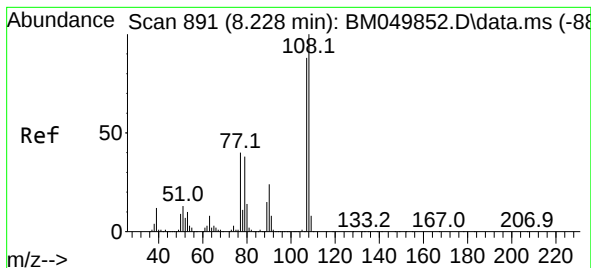
Tgt Ion: 79 Resp: 787637
Ion Ratio Lower Upper
79 100
108 81.6 63.6 95.4
77 64.8 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.786 ng
RT: 8.292 min Scan# 902
Delta R.T. -0.018 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion: 45 Resp: 1111983
Ion Ratio Lower Upper
45 100
77 16.5 0.0 36.9
79 12.7 0.0 32.9



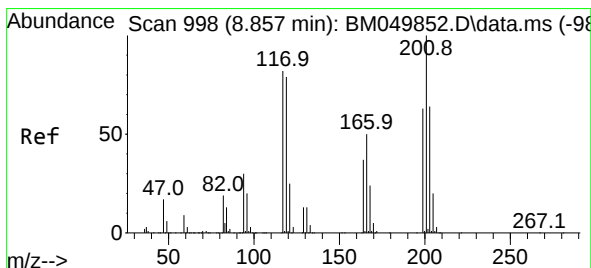
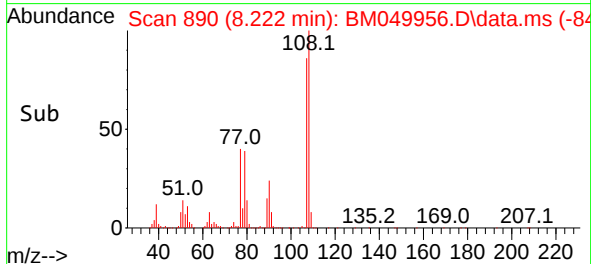
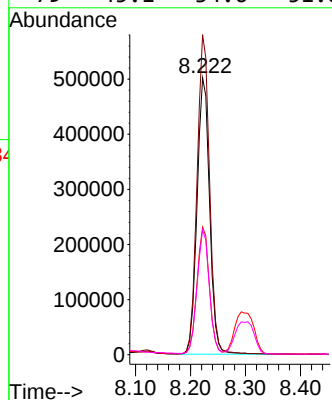
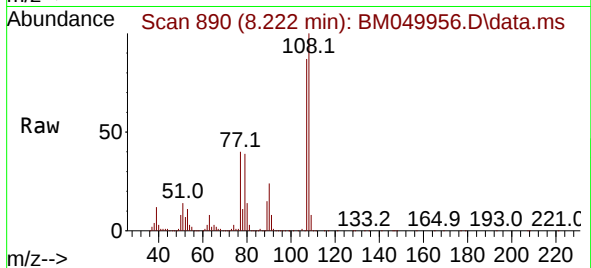


#17
2-Methylphenol
Concen: 44.518 ng
RT: 8.222 min Scan# 891
Delta R.T. -0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMS

Tgt Ion:107 Resp: 797104

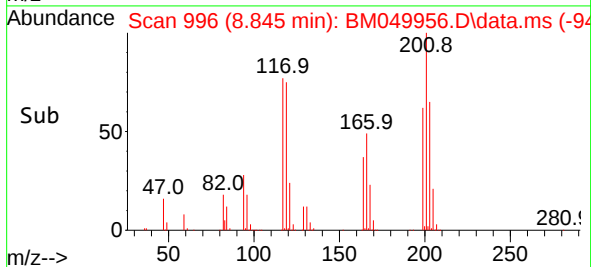
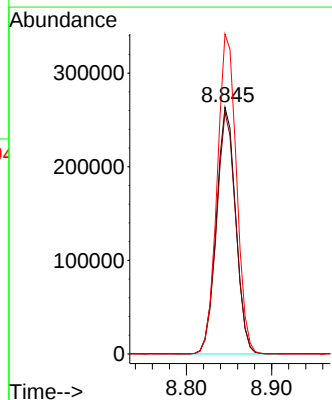
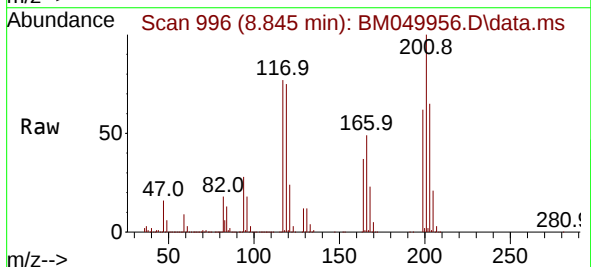
Ion	Ratio	Lower	Upper
107	100		
108	115.6	91.0	136.6
77	46.1	36.5	54.7
79	45.1	34.6	51.8

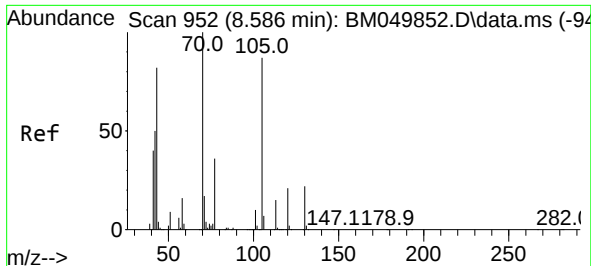


#18
Hexachloroethane
Concen: 41.061 ng
RT: 8.845 min Scan# 996
Delta R.T. -0.012 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion:117 Resp: 416775

Ion	Ratio	Lower	Upper
117	100		
119	97.9	77.5	116.3
201	129.7	97.7	146.5

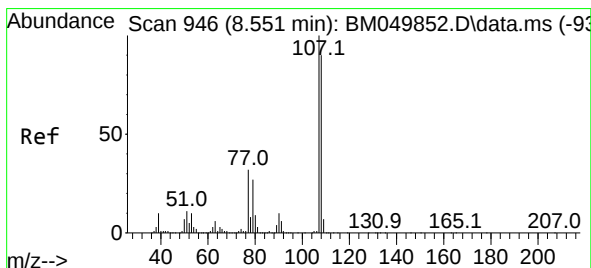
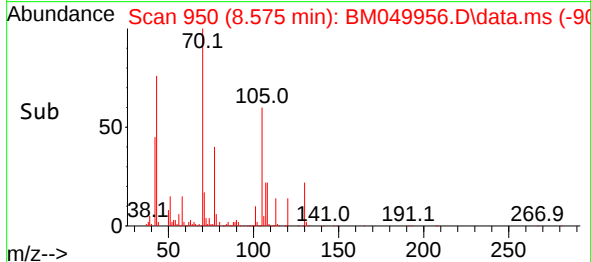
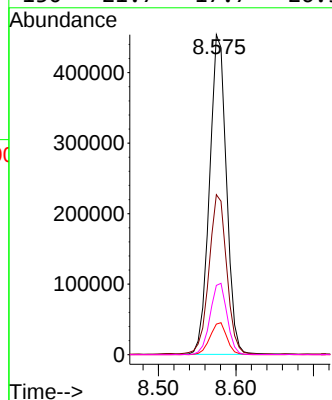
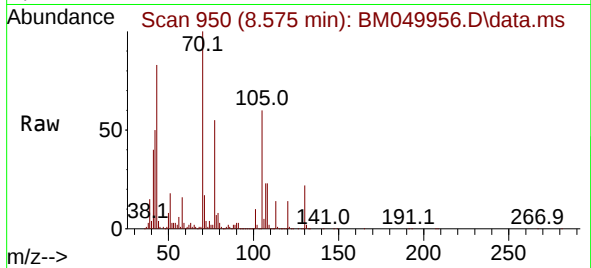




#19
n-Nitroso-di-n-propylamine
Concen: 41.638 ng
RT: 8.575 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

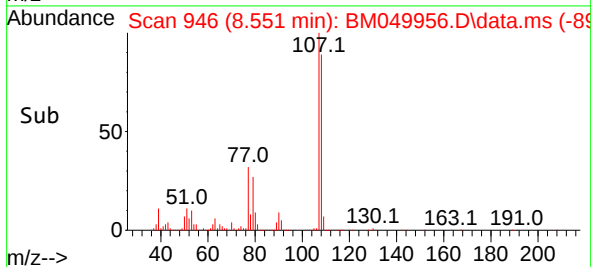
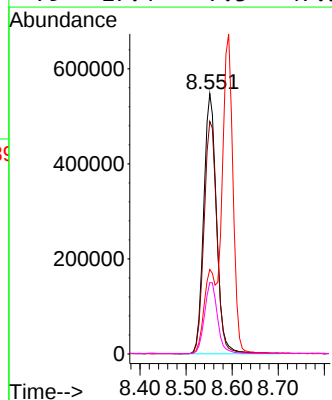
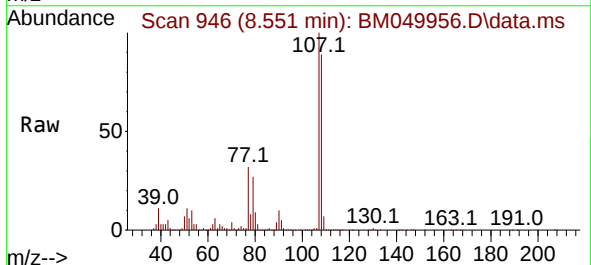
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMS

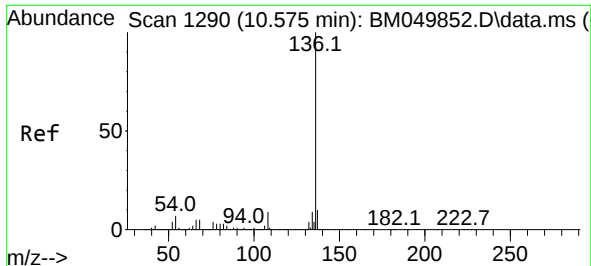
Tgt Ion: 70 Resp: 686637
Ion Ratio Lower Upper
70 100
42 50.0 40.2 60.2
101 9.5 7.9 11.9
130 21.7 17.7 26.5



#20
3+4-Methylphenols
Concen: 43.558 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.000 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion: 107 Resp: 1063294
Ion Ratio Lower Upper
107 100
108 89.3 69.6 109.6
77 32.5 11.7 51.7
79 27.4 7.3 47.3

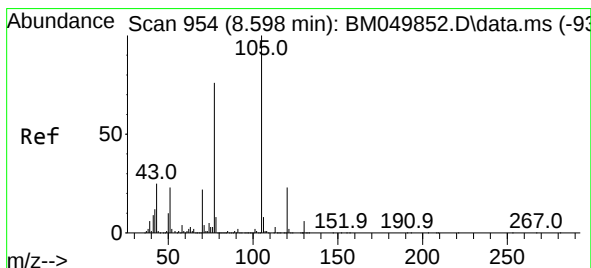
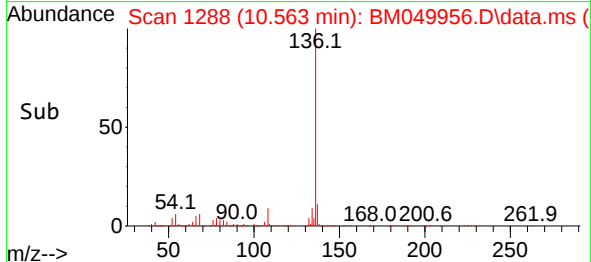
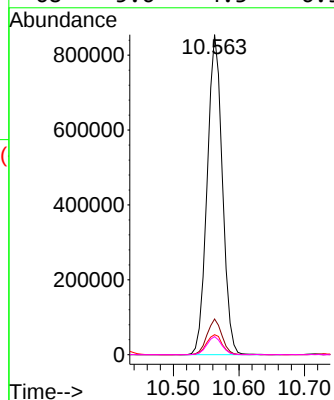
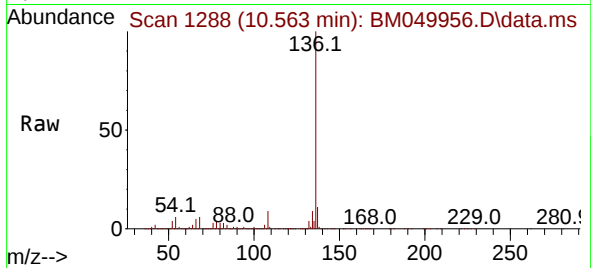




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

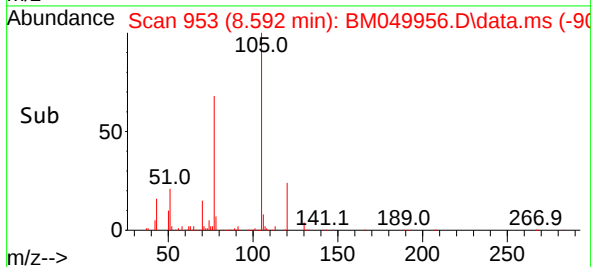
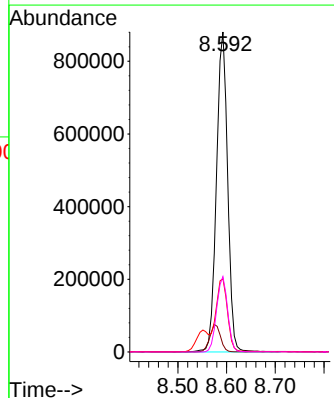
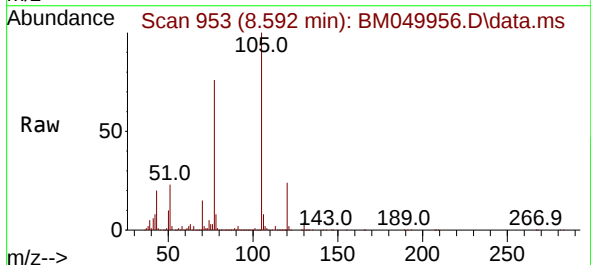
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMS

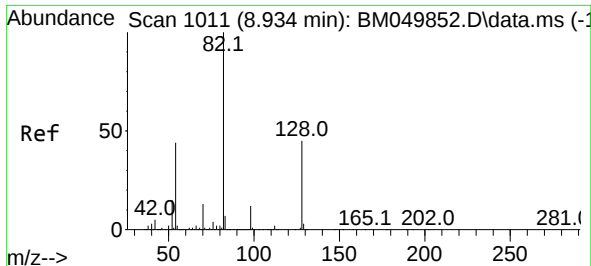
Tgt Ion:136 Resp: 1376105
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 6.3 5.3 7.9
68 5.6 4.3 6.5



#22
Acetophenone
Concen: 41.767 ng
RT: 8.592 min Scan# 953
Delta R.T. -0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion:105 Resp: 1396852
Ion Ratio Lower Upper
105 100
71 2.3 3.0 4.4#
51 22.9 18.6 27.8
120 23.5 18.5 27.7

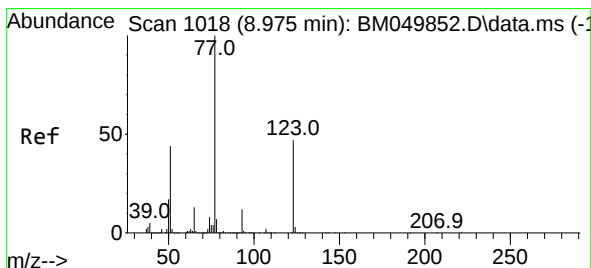
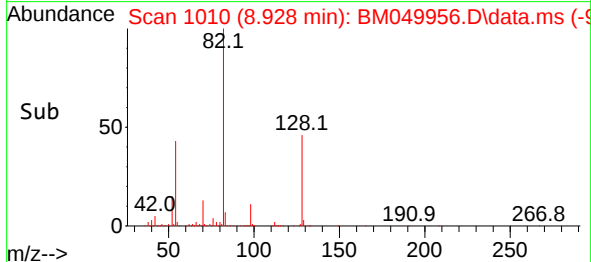
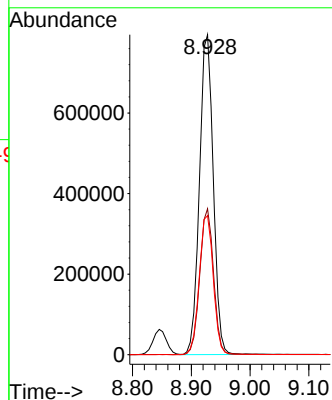
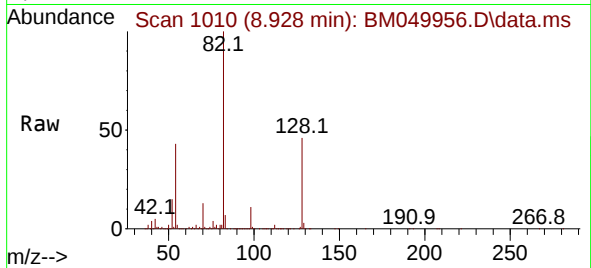




#23
Nitrobenzene-d5
Concen: 52.467 ng
RT: 8.928 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

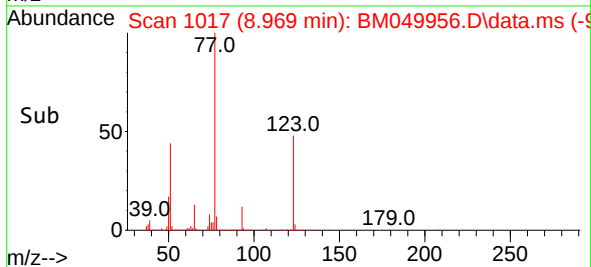
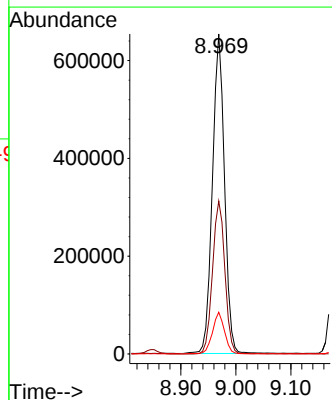
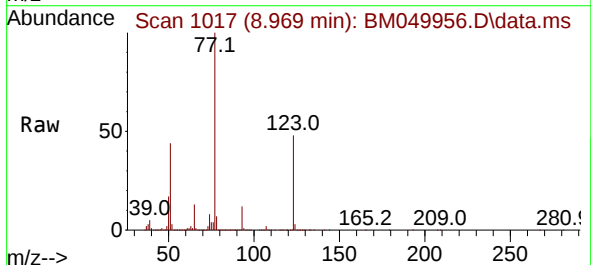
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMS

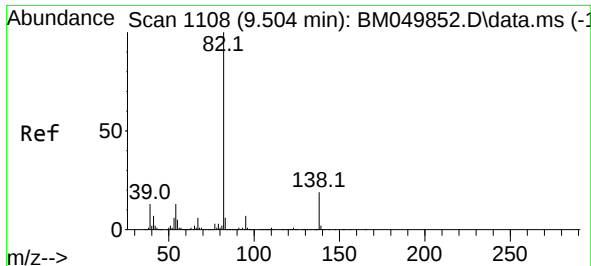
Tgt Ion: 82 Resp: 1296581
Ion Ratio Lower Upper
82 100
128 45.6 36.2 54.2
54 43.4 35.0 52.6



#24
Nitrobenzene
Concen: 41.956 ng
RT: 8.969 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion: 77 Resp: 998358
Ion Ratio Lower Upper
77 100
123 47.8 37.4 56.2
65 13.0 10.1 15.1

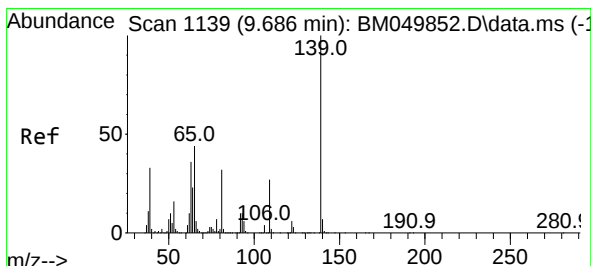
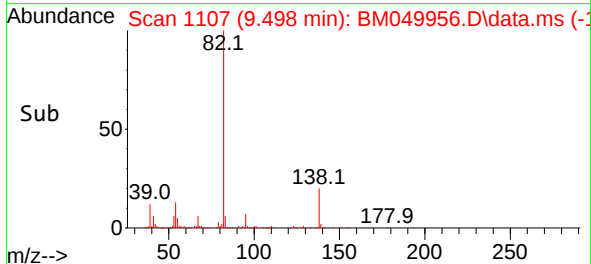
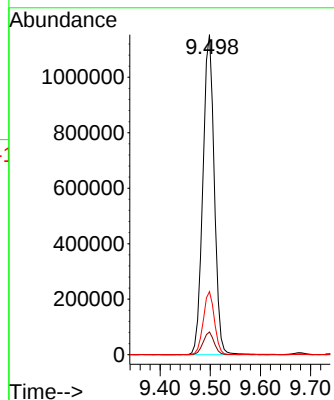
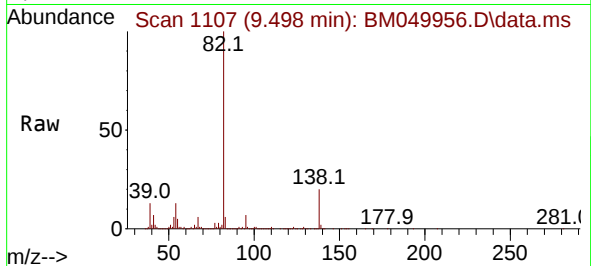




#25
Isophorone
Concen: 43.897 ng
RT: 9.498 min Scan# 1107
Delta R.T. -0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

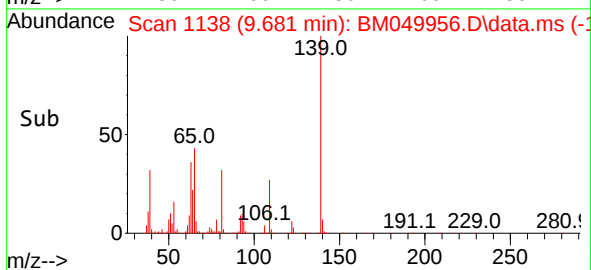
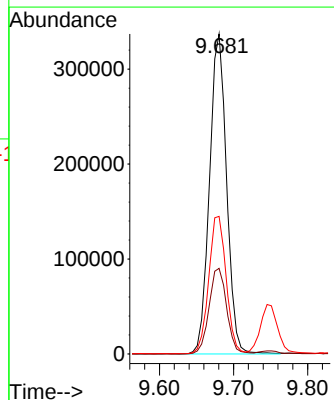
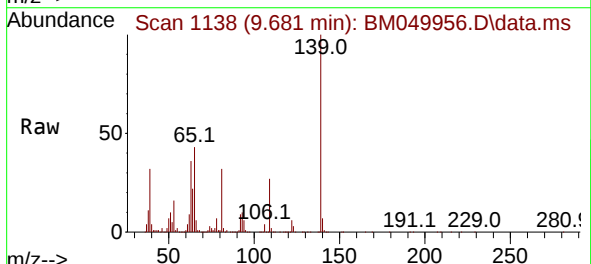
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMS

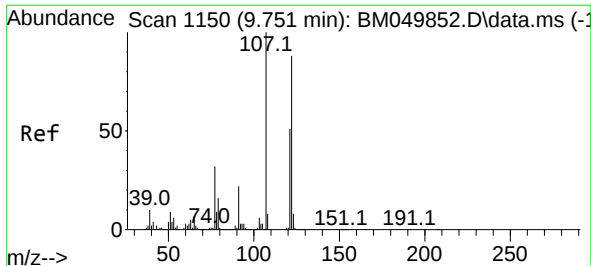
Tgt Ion: 82 Resp: 1817234
Ion Ratio Lower Upper
82 100
95 7.1 5.4 8.2
138 19.7 15.0 22.6



#26
2-Nitrophenol
Concen: 42.820 ng
RT: 9.681 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion:139 Resp: 540044
Ion Ratio Lower Upper
139 100
109 26.8 21.7 32.5
65 43.0 35.2 52.8

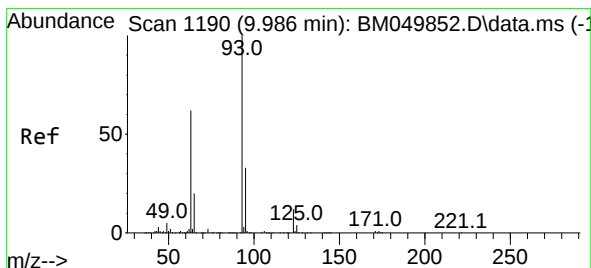
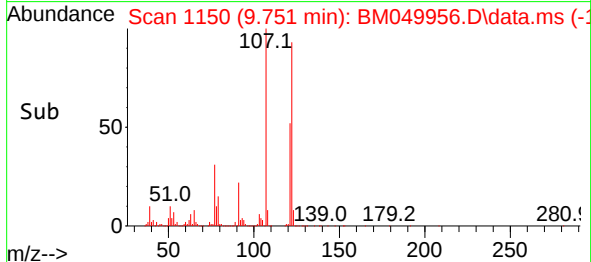
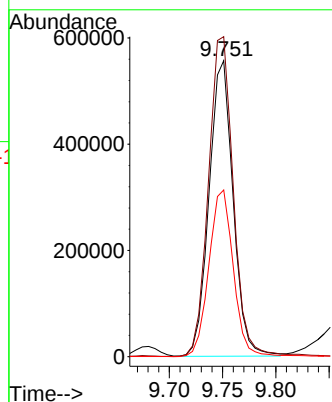
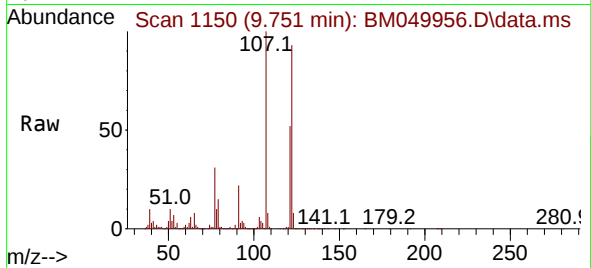




#27
2,4-Dimethylphenol
Concen: 61.207 ng
RT: 9.751 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

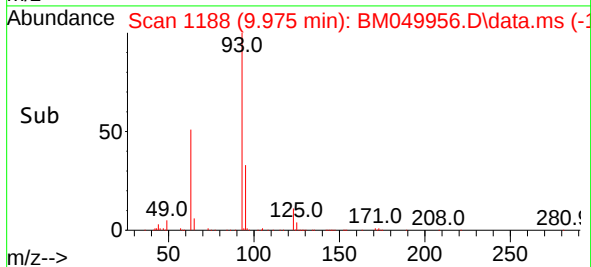
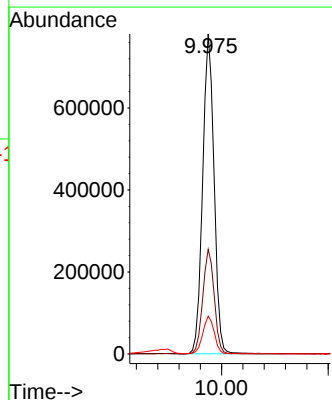
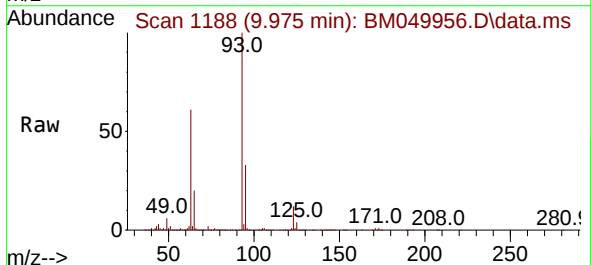
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMS

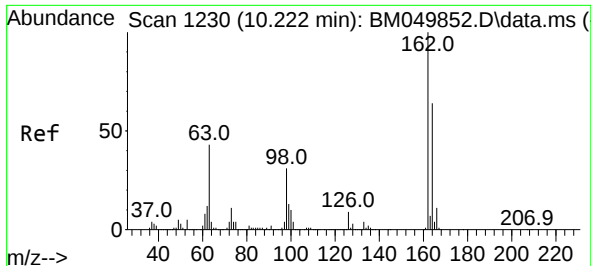
Tgt Ion:122 Resp: 874829
Ion Ratio Lower Upper
122 100
107 108.1 90.3 135.5
121 56.3 46.1 69.1



#28
bis(2-Chloroethoxy)methane
Concen: 41.813 ng
RT: 9.975 min Scan# 1188
Delta R.T. -0.012 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion: 93 Resp: 1158839
Ion Ratio Lower Upper
93 100
95 32.7 26.6 40.0
123 11.8 9.5 14.3

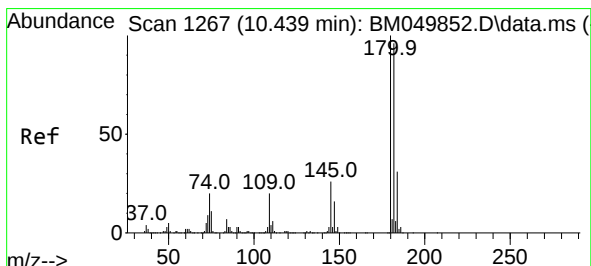
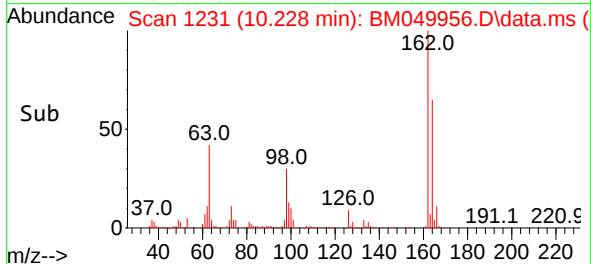
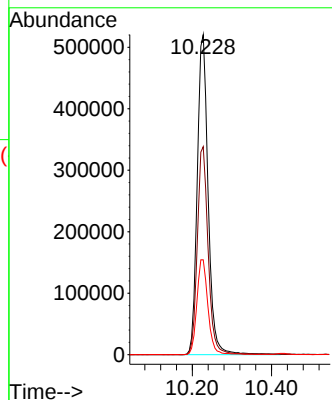
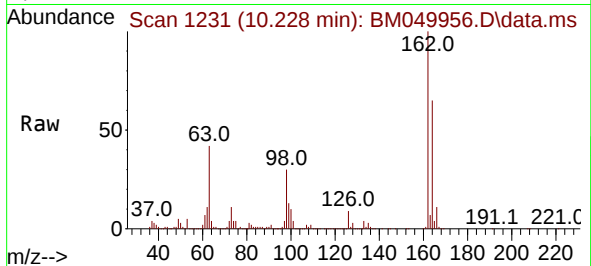




#29
2,4-Dichlorophenol
Concen: 41.783 ng
RT: 10.228 min Scan# 1230
Delta R.T. 0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

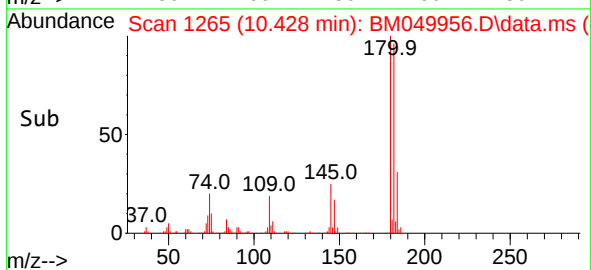
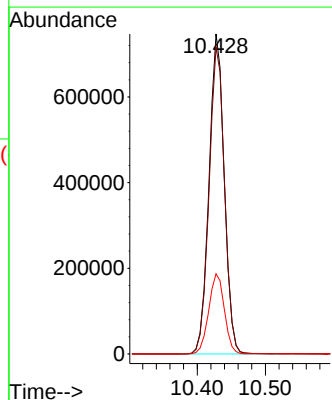
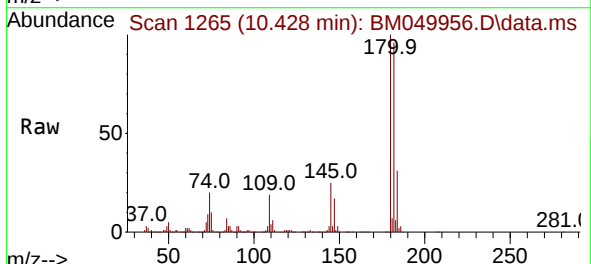
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMS

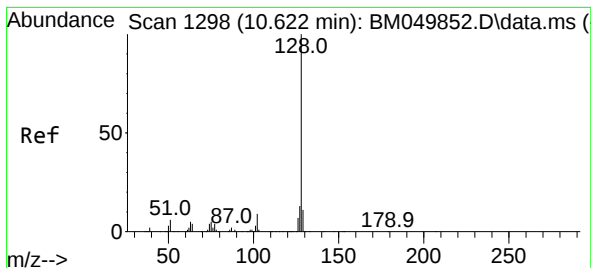
Tgt Ion:162 Resp: 992720
Ion Ratio Lower Upper
162 100
164 65.0 44.3 84.3
98 29.6 10.9 50.9



#30
1,2,4-Trichlorobenzene
Concen: 42.254 ng
RT: 10.428 min Scan# 1265
Delta R.T. -0.012 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion:180 Resp: 1161378
Ion Ratio Lower Upper
180 100
182 95.8 76.7 115.1
145 25.0 20.8 31.2

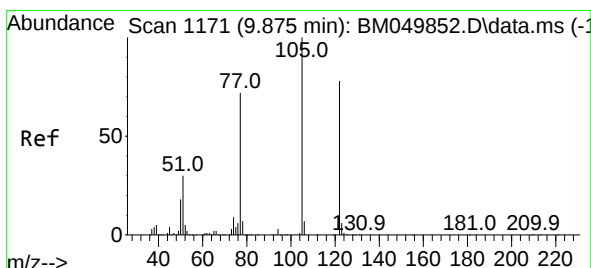
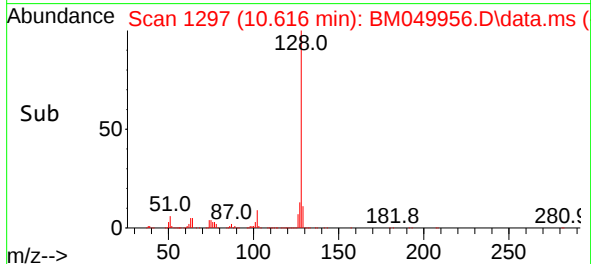
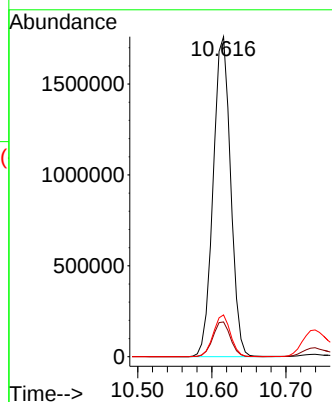
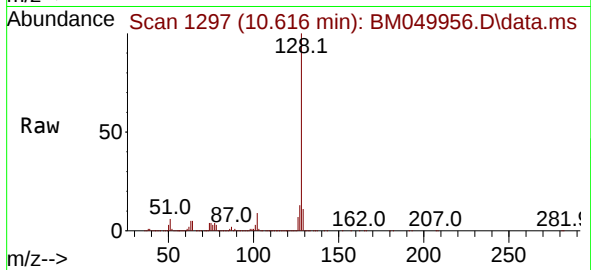




#31
Naphthalene
Concen: 40.684 ng
RT: 10.616 min Scan# 1175
Delta R.T. -0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

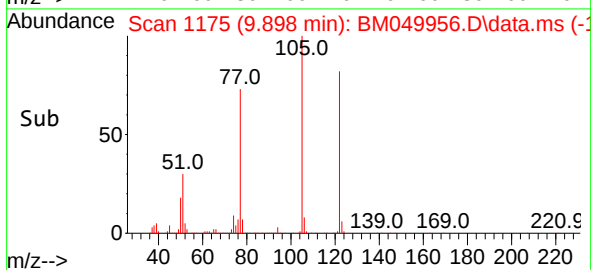
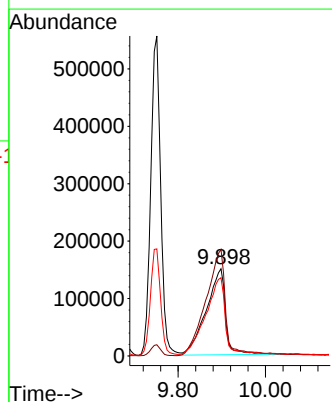
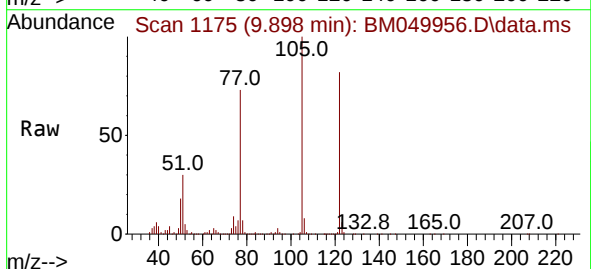
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMS

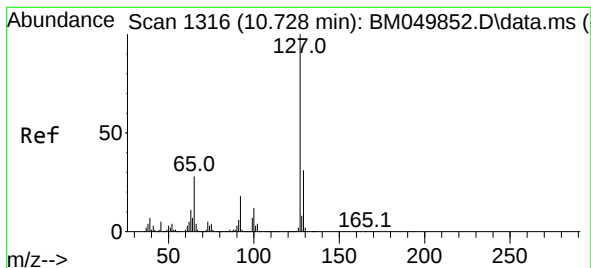
Tgt Ion:128 Resp: 2876743
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.1 10.6 15.8



#32
Benzoic acid
Concen: 29.979 ng
RT: 9.898 min Scan# 1175
Delta R.T. 0.023 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion:122 Resp: 462053
Ion Ratio Lower Upper
122 100
105 122.3 103.8 143.8
77 89.8 70.7 110.7

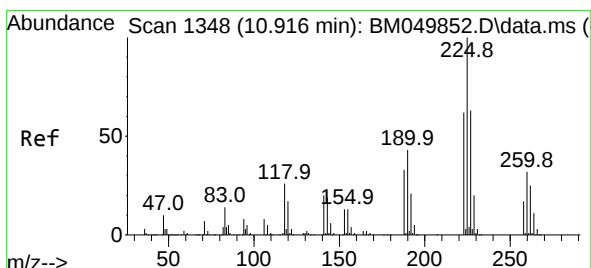
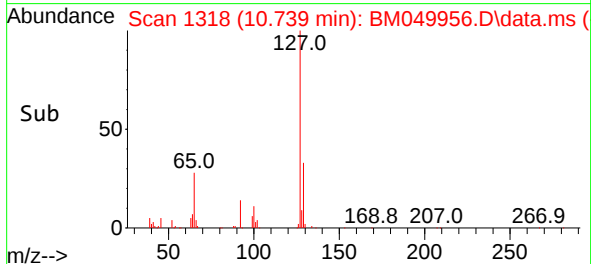
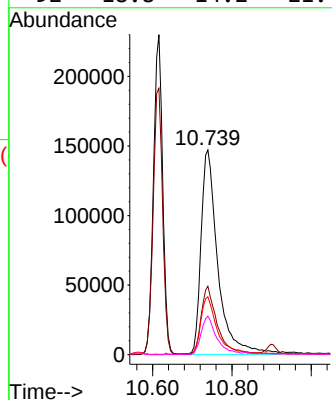
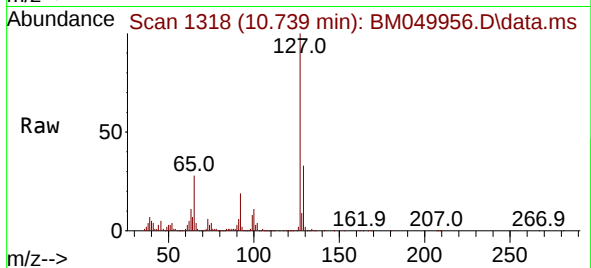




#33
4-Chloroaniline
Concen: 17.312 ng
RT: 10.739 min Scan# 11
Delta R.T. 0.012 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

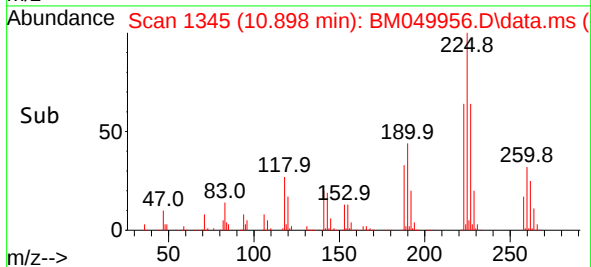
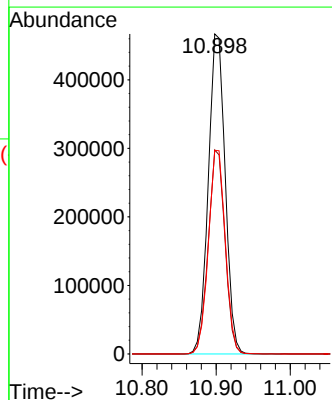
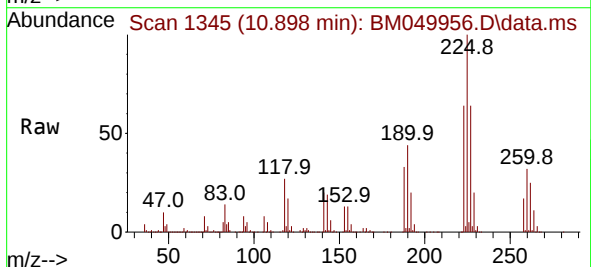
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMS

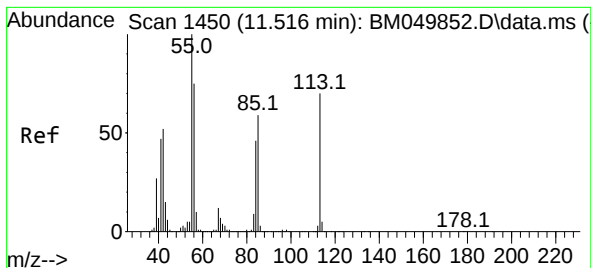
Tgt Ion:	127	Resp:	432260
Ion	Ratio	Lower	Upper
127	100		
129	33.4	24.9	37.3
65	28.3	22.4	33.6
92	18.8	14.2	21.4



#34
Hexachlorobutadiene
Concen: 43.437 ng
RT: 10.898 min Scan# 1345
Delta R.T. -0.018 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion:	225	Resp:	738495
Ion	Ratio	Lower	Upper
225	100		
223	63.8	49.4	74.2
227	63.7	50.1	75.1





#35

Caprolactam

Concen: 35.550 ng

RT: 11.516 min Scan# 14

Delta R.T. -0.000 min

Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

Instrument :

BNA_M

ClientSampleId :

OILY-SOIL-PILEMS

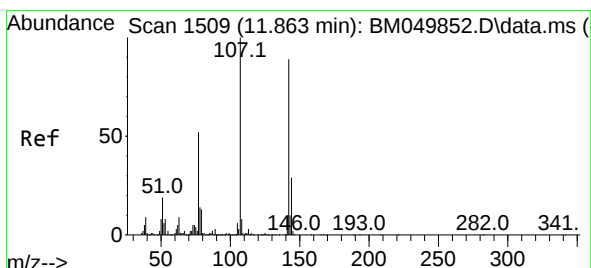
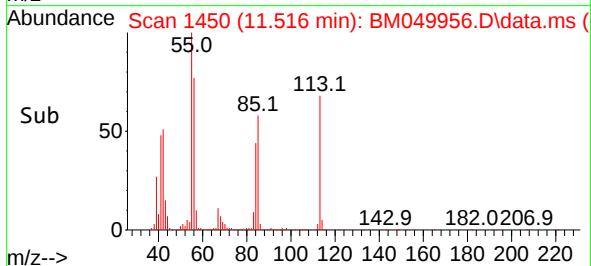
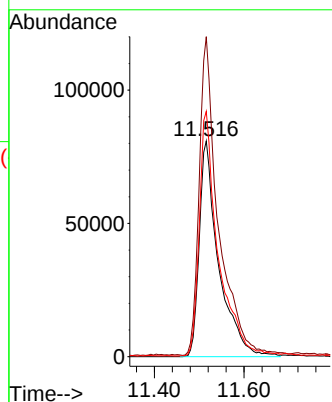
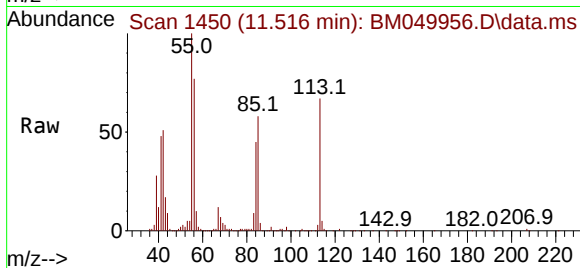
Tgt Ion:113 Resp: 242249

Ion Ratio Lower Upper

113 100

55 148.3 124.3 164.3

56 113.7 87.5 127.5



#36

4-Chloro-3-methylphenol

Concen: 38.851 ng

RT: 11.869 min Scan# 1510

Delta R.T. 0.006 min

Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

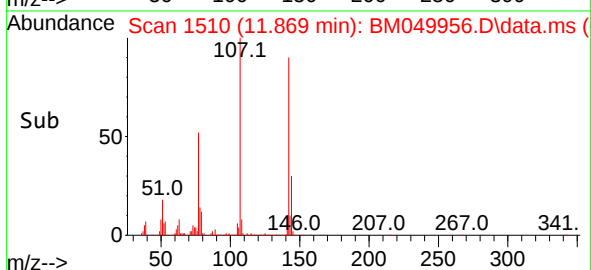
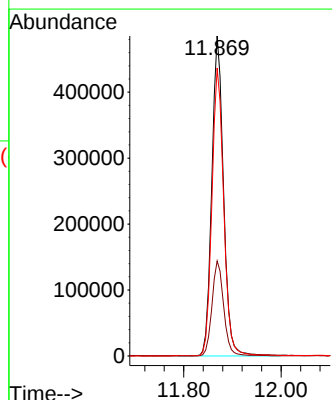
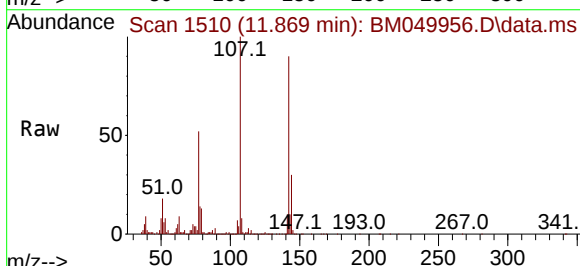
Tgt Ion:107 Resp: 808552

Ion Ratio Lower Upper

107 100

144 29.7 23.6 35.4

142 90.0 71.4 107.0





#37

2-Methylnaphthalene

Concen: 36.745 ng

RT: 12.227 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

Instrument :

BNA_M

ClientSampleId :

OILY-SOIL-PILEMS

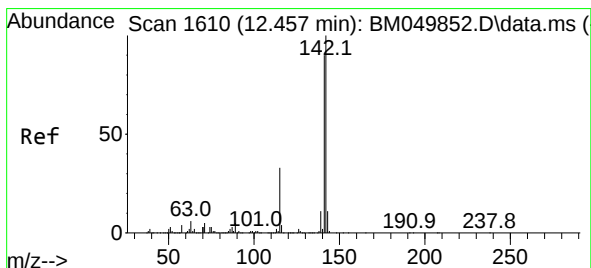
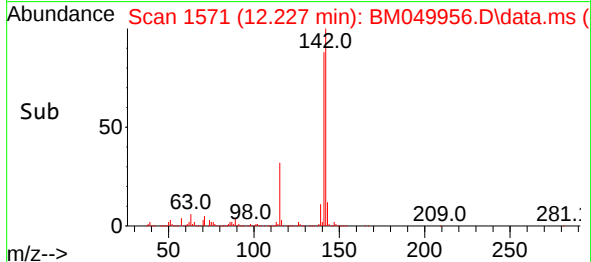
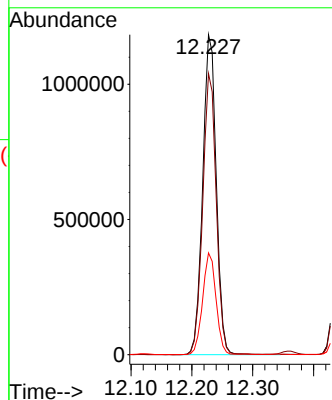
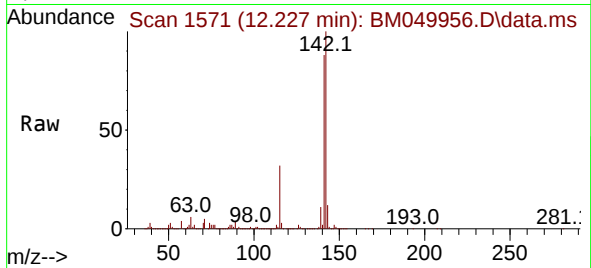
Tgt Ion:142 Resp: 1830601

Ion Ratio Lower Upper

142 100

141 87.8 70.2 105.2

115 31.8 25.4 38.2



#38

1-Methylnaphthalene

Concen: 39.278 ng

RT: 12.451 min Scan# 1609

Delta R.T. -0.006 min

Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

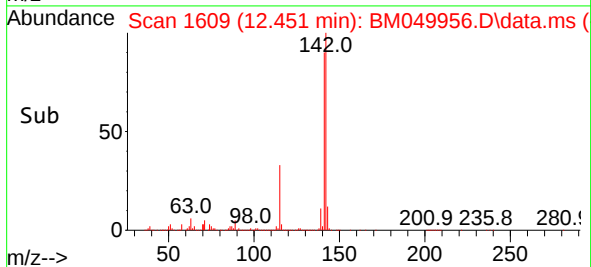
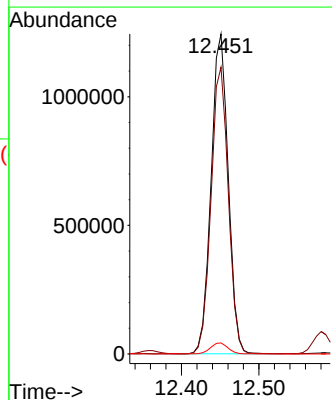
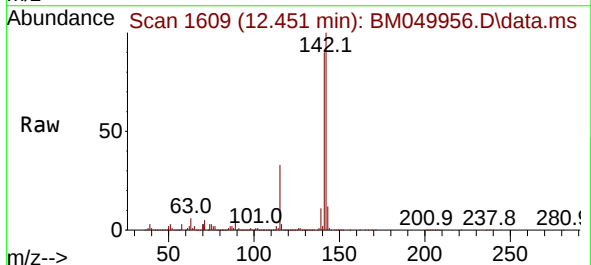
Tgt Ion:142 Resp: 1906413

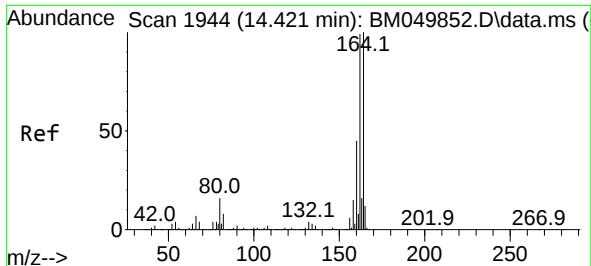
Ion Ratio Lower Upper

142 100

141 89.6 72.2 108.2

116 3.5 2.9 4.3

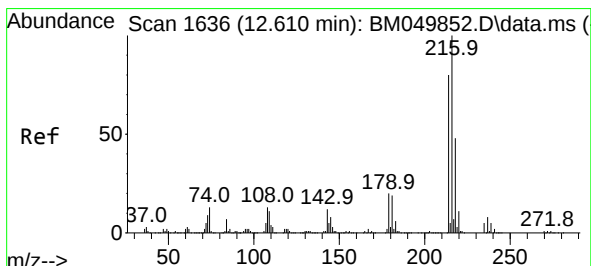
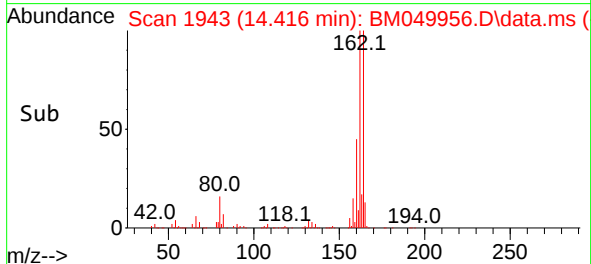
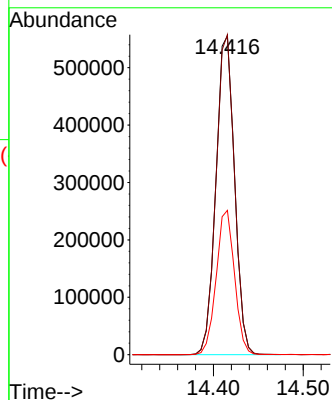
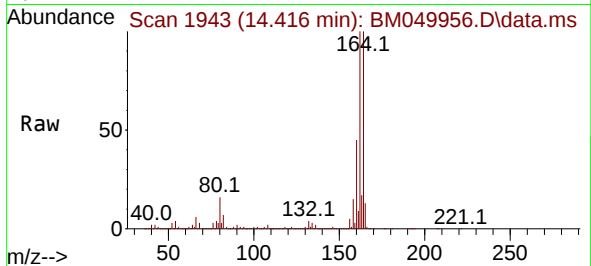




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

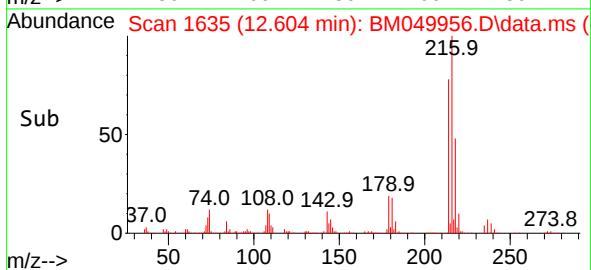
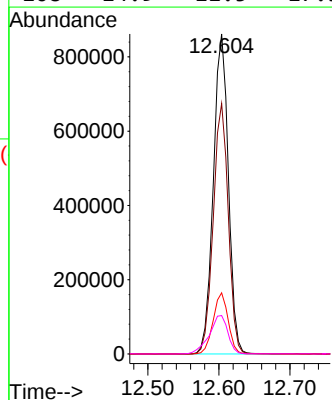
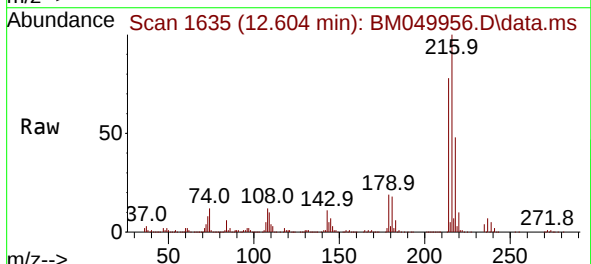
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMS

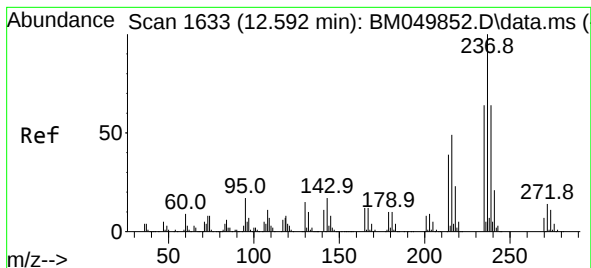
Tgt Ion:164 Resp: 799224
Ion Ratio Lower Upper
164 100
162 100.5 79.4 119.0
160 45.3 36.2 54.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.262 ng
RT: 12.604 min Scan# 1635
Delta R.T. -0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion:216 Resp: 1265551
Ion Ratio Lower Upper
216 100
214 78.2 63.2 94.8
179 19.1 15.8 23.6
108 14.9 11.5 17.3





#41

Hexachlorocyclopentadiene

Concen: 130.691 ng

RT: 12.580 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

Instrument :

BNA_M

ClientSampleId :

OILY-SOIL-PILEMS

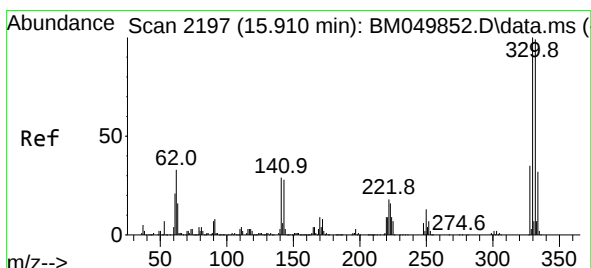
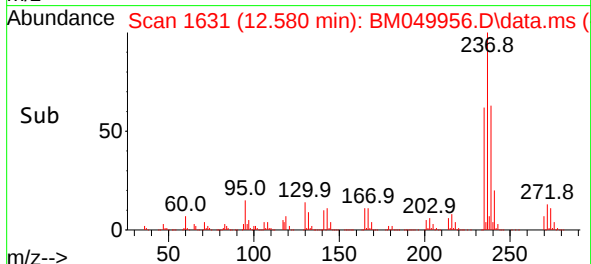
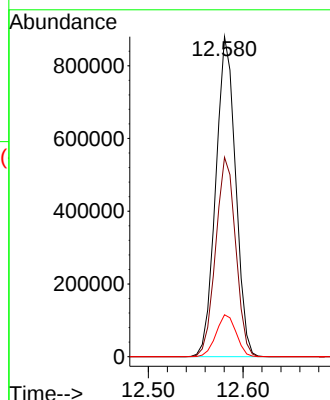
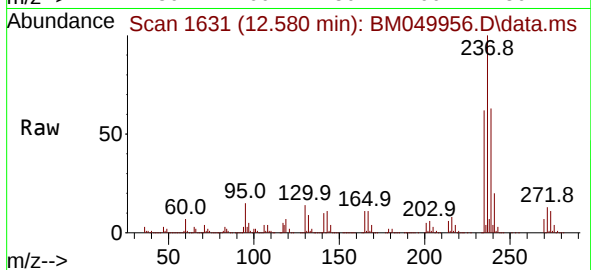
Tgt Ion:237 Resp: 1280455

Ion Ratio Lower Upper

237 100

235 62.3 43.7 83.7

272 13.1 0.0 33.5



#42

2,4,6-Tribromophenol

Concen: 68.794 ng

RT: 15.904 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

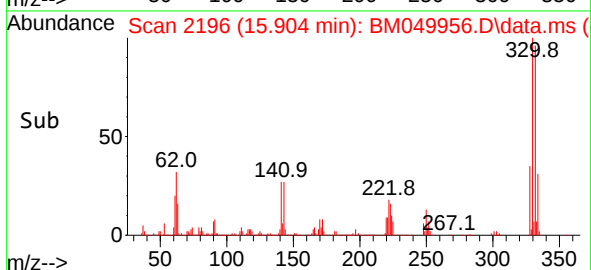
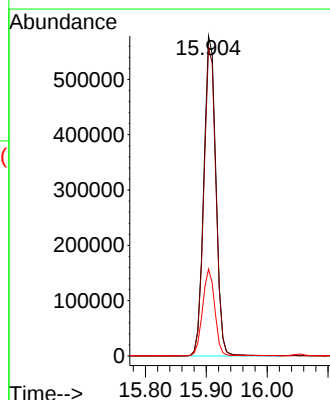
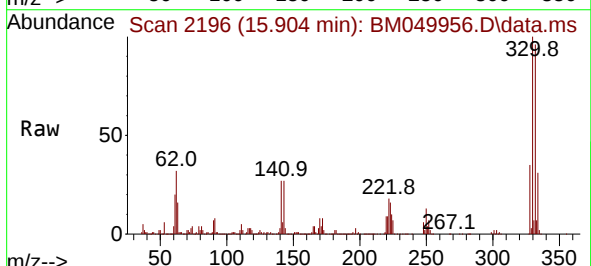
Tgt Ion:330 Resp: 799734

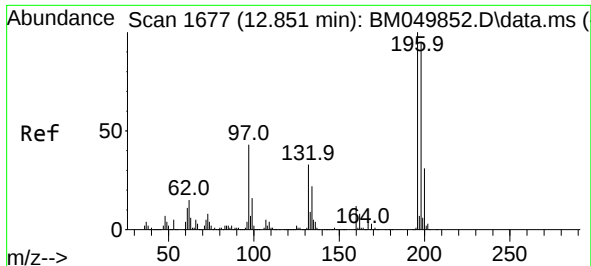
Ion Ratio Lower Upper

330 100

332 96.2 78.0 117.0

141 27.2 23.5 35.3

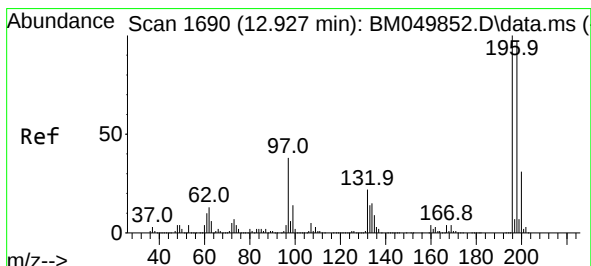
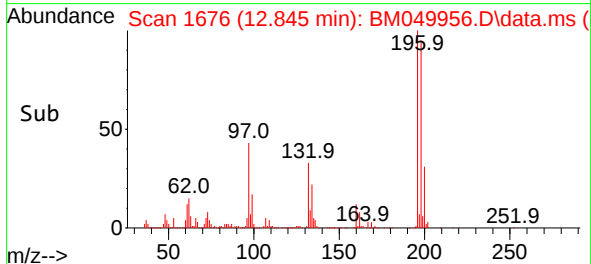
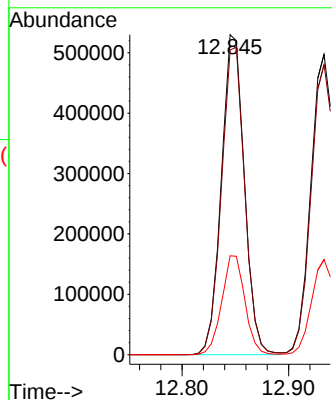
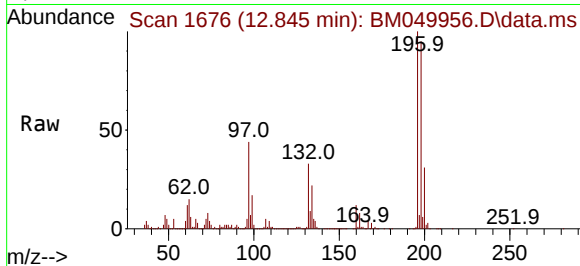




#43
2,4,6-Trichlorophenol
Concen: 44.807 ng
RT: 12.845 min Scan# 1676
Delta R.T. -0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

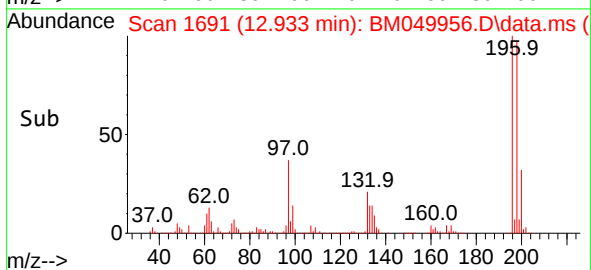
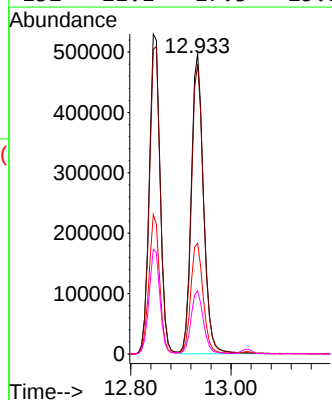
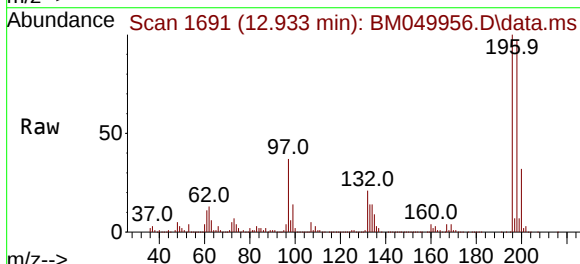
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMS

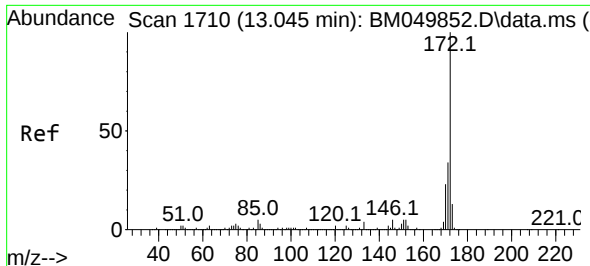
Tgt Ion:196 Resp: 797228
Ion Ratio Lower Upper
196 100
198 95.2 76.1 114.1
200 30.9 24.7 37.1



#44
2,4,5-Trichlorophenol
Concen: 43.590 ng
RT: 12.933 min Scan# 1691
Delta R.T. 0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion:196 Resp: 842808
Ion Ratio Lower Upper
196 100
198 96.6 77.7 116.5
97 36.8 30.3 45.5
132 21.1 17.3 25.9

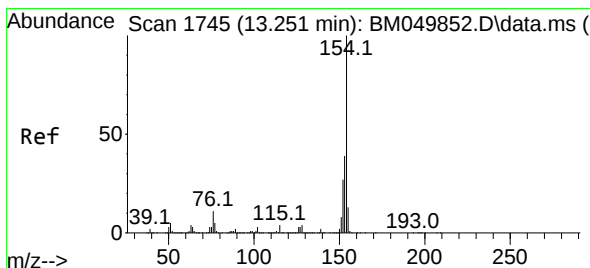
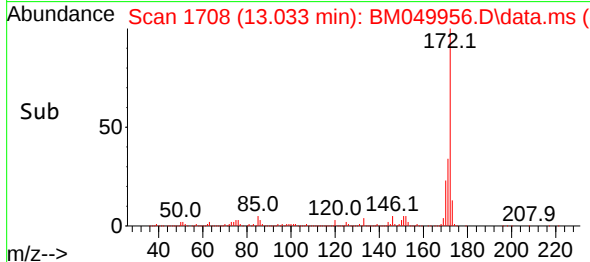
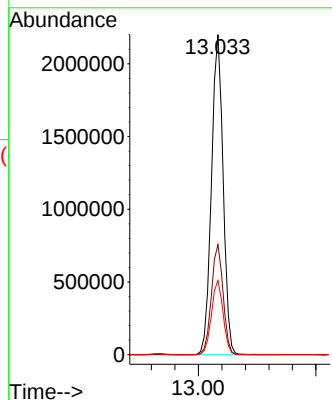
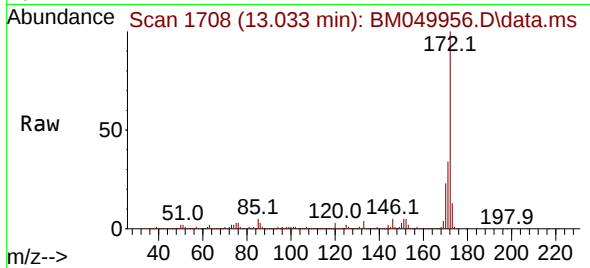




#45
2-Fluorobiphenyl
Concen: 51.364 ng
RT: 13.033 min Scan# 1708
Delta R.T. -0.012 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

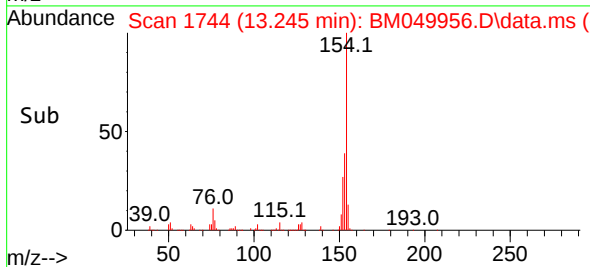
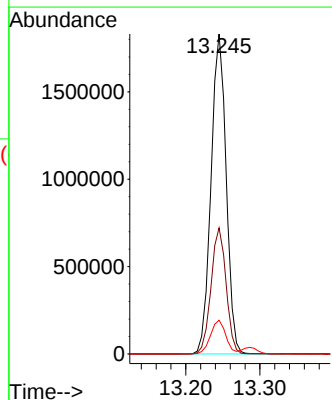
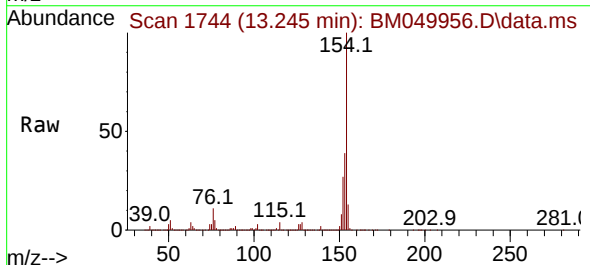
Instrument :
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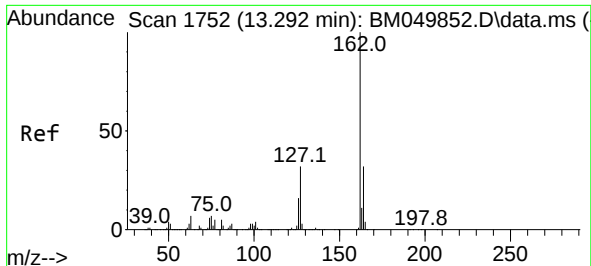
Tgt Ion:172 Resp: 3027361
Ion Ratio Lower Upper
172 100
171 34.4 27.4 41.2
170 23.1 18.6 28.0



#46
1,1'-Biphenyl
Concen: 43.643 ng
RT: 13.245 min Scan# 1744
Delta R.T. -0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion:154 Resp: 2592921
Ion Ratio Lower Upper
154 100
153 39.4 19.3 59.3
76 10.5 0.0 30.7

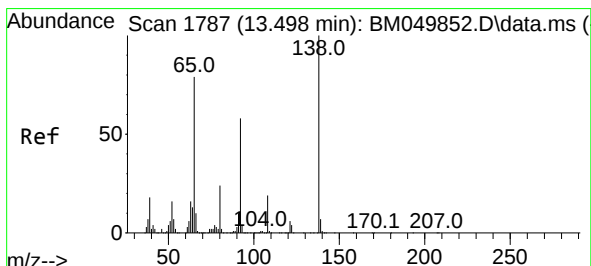
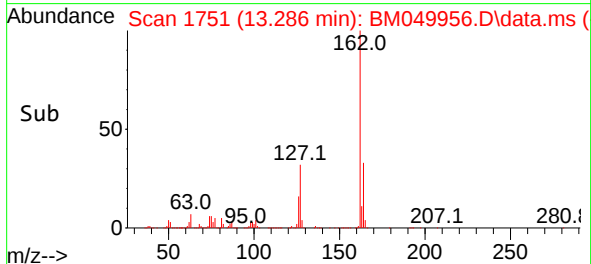
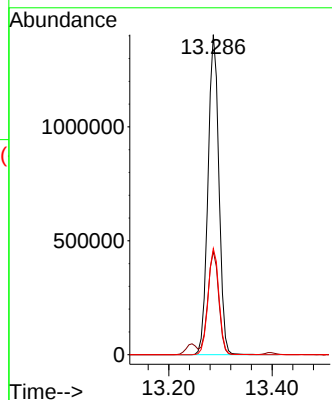
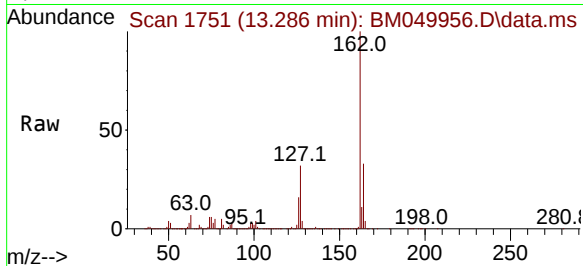




#47
2-Chloronaphthalene
Concen: 43.991 ng
RT: 13.286 min Scan# 1751
Delta R.T. -0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

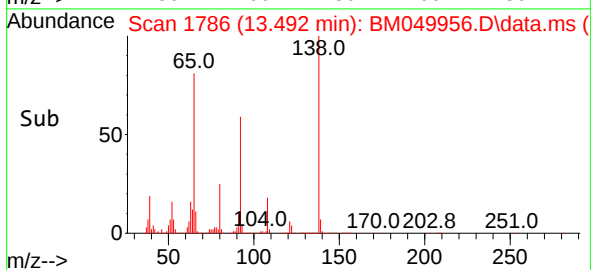
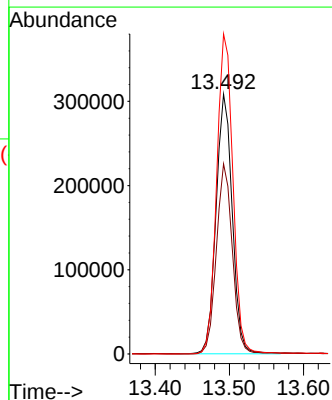
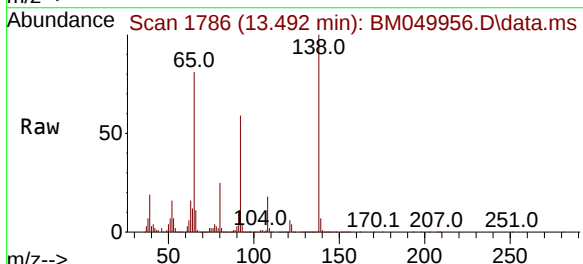
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMS

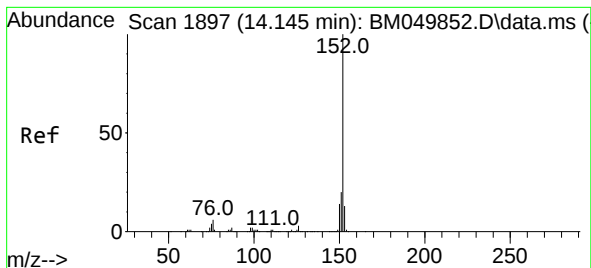
Tgt Ion:162 Resp: 2054225
Ion Ratio Lower Upper
162 100
127 32.3 26.0 39.0
164 33.2 25.9 38.9



#48
2-Nitroaniline
Concen: 43.449 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion: 65 Resp: 469384
Ion Ratio Lower Upper
65 100
92 73.1 58.4 87.6
138 123.1 100.8 151.2





#49

Acenaphthylene

Concen: 47.477 ng

RT: 14.133 min Scan# 1895

Delta R.T. -0.012 min

Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

Instrument :

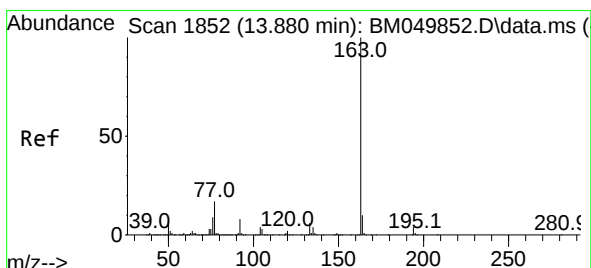
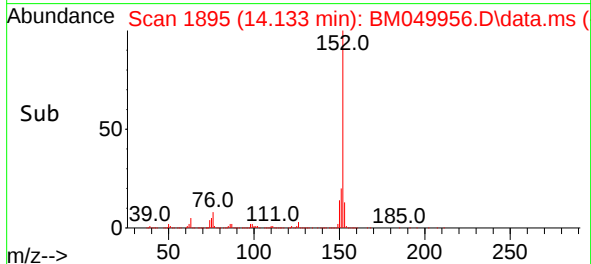
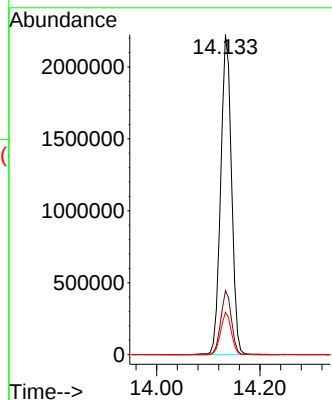
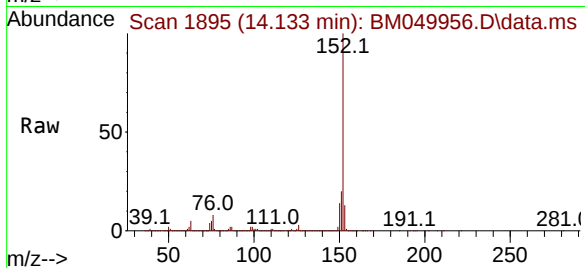
BNA_M

ClientSampleId :

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Tgt Ion:152 Resp: 3229442

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.7	23.5
153	13.2	10.4	15.6



#50

Dimethylphthalate

Concen: 41.230 ng

RT: 13.874 min Scan# 1851

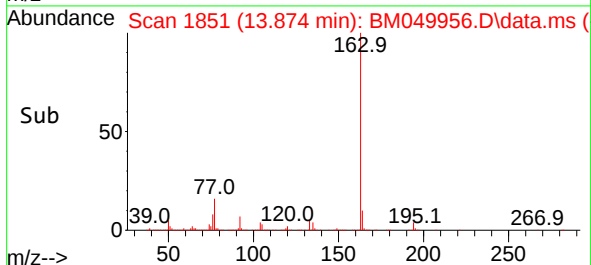
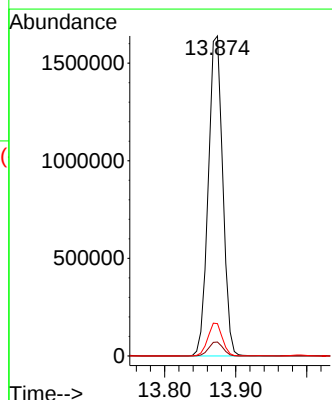
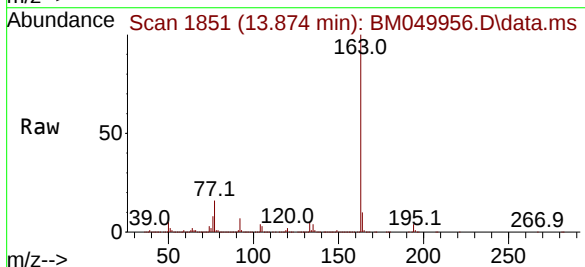
Delta R.T. -0.006 min

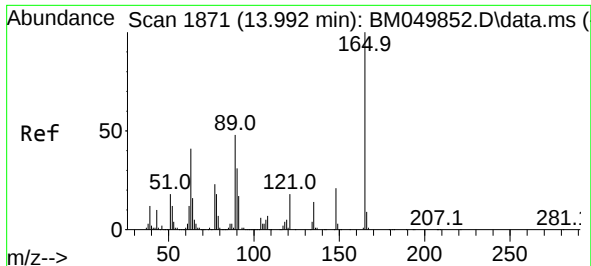
Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

Tgt Ion:163 Resp: 2324736

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.1	7.9	11.9

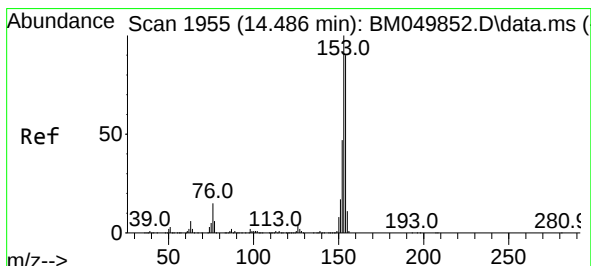
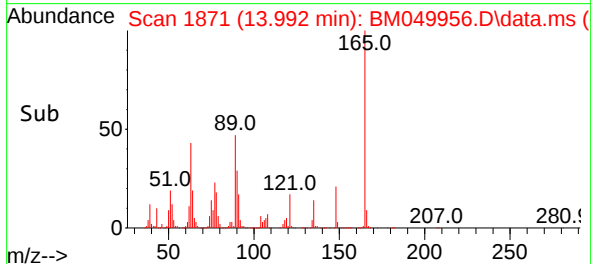
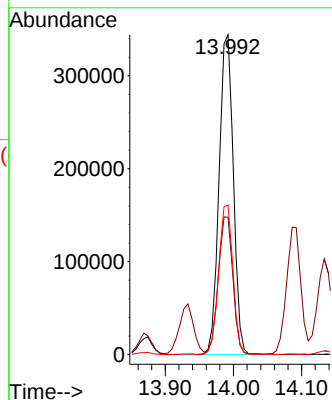
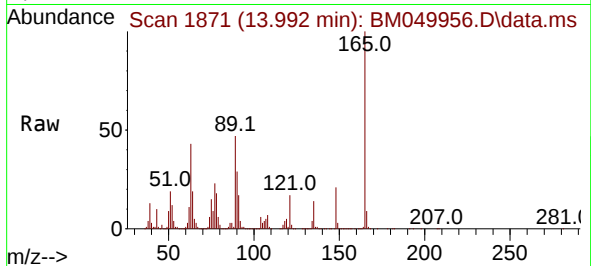




#51
2,6-Dinitrotoluene
Concen: 42.506 ng
RT: 13.992 min Scan# 1871
Delta R.T. -0.000 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

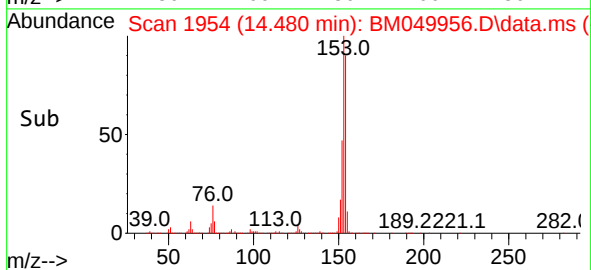
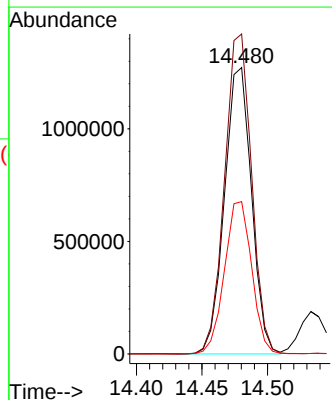
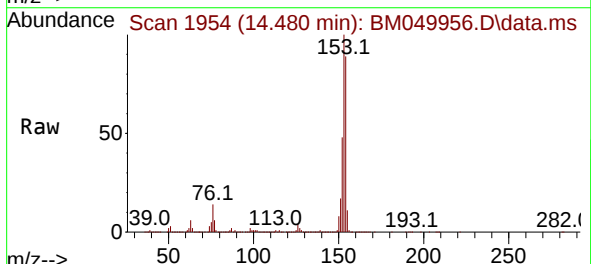
Instrument :
BNA_M
ClientSampleId :
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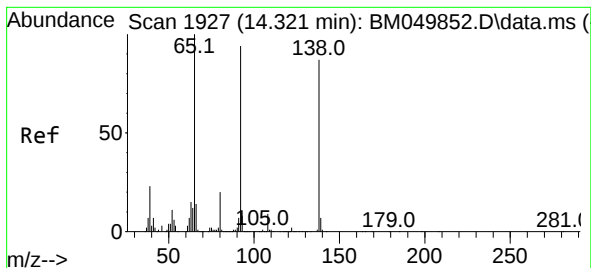
Tgt Ion:165 Resp: 502133
Ion Ratio Lower Upper
165 100
63 43.0 36.1 54.1
89 46.8 38.3 57.5



#52
Acenaphthene
Concen: 42.178 ng
RT: 14.480 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion:154 Resp: 1824893
Ion Ratio Lower Upper
154 100
153 111.8 89.3 133.9
152 53.2 42.2 63.2

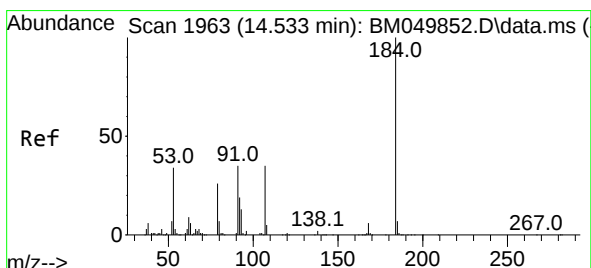
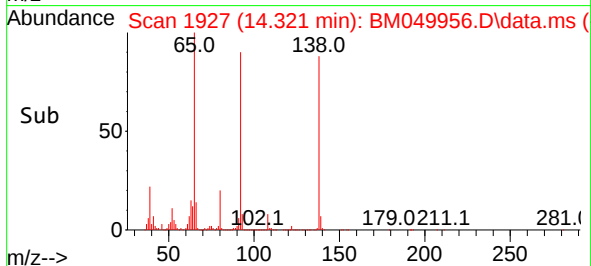
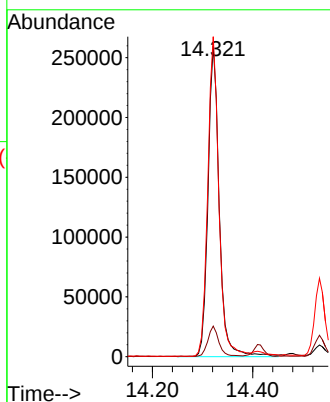
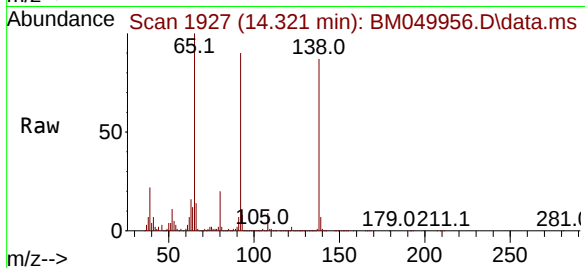




#53
3-Nitroaniline
Concen: 35.613 ng
RT: 14.321 min Scan# 1927
Delta R.T. -0.000 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

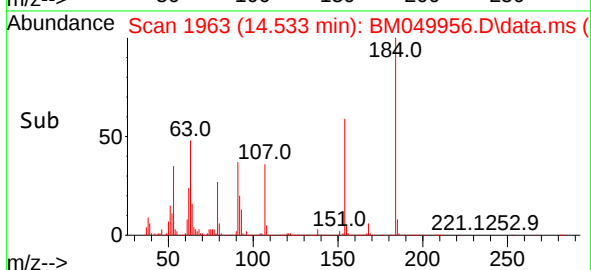
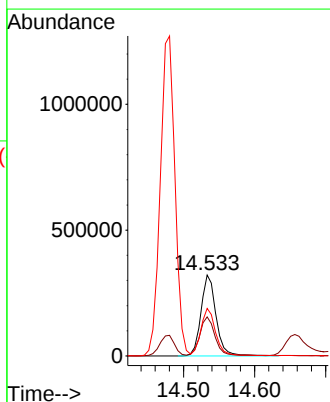
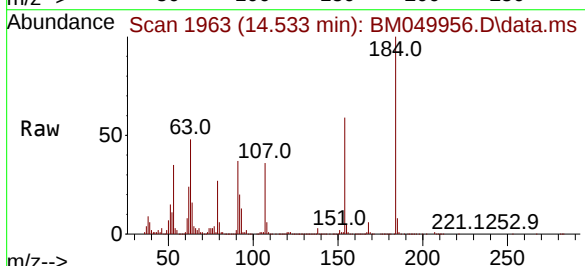
Instrument :
BNA_M
ClientSampleId :
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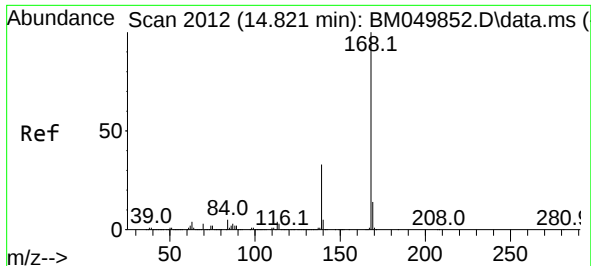
Tgt Ion:138 Resp: 406613
Ion Ratio Lower Upper
138 100
108 9.8 8.1 12.1
92 103.0 86.5 129.7



#54
2,4-Dinitrophenol
Concen: 57.914 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion:184 Resp: 476695
Ion Ratio Lower Upper
184 100
63 48.2 38.4 57.6
154 58.6 48.1 72.1

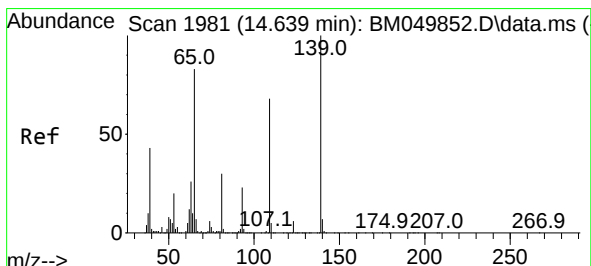
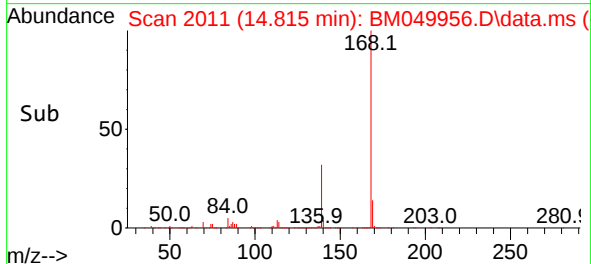
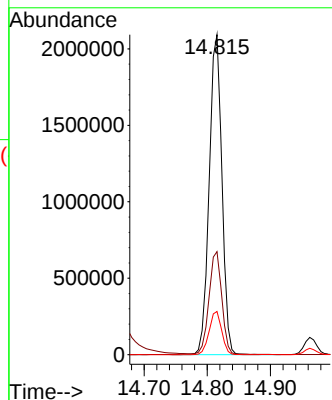
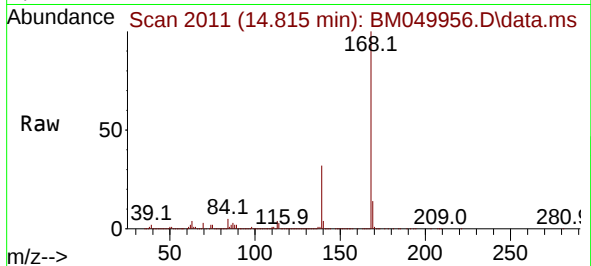




#55
Dibenzenofuran
Concen: 40.431 ng
RT: 14.815 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

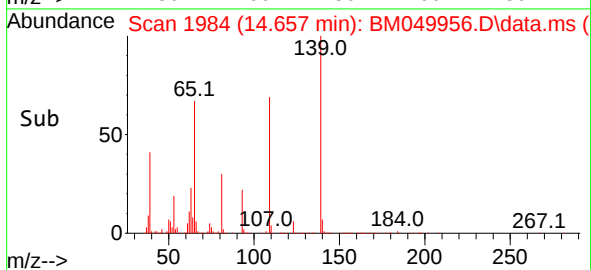
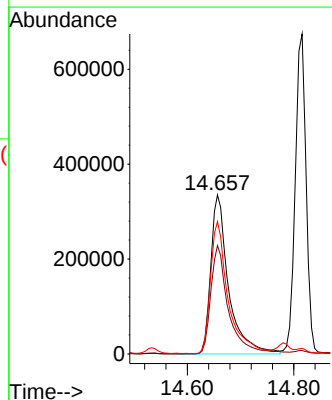
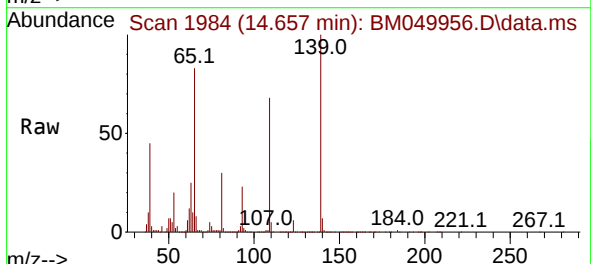
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BNA_M
ClientSampleId :
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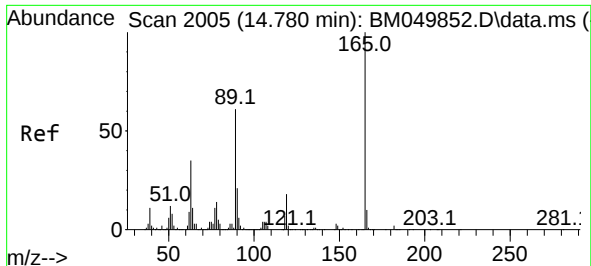
Tgt Ion:168 Resp: 2924369
Ion Ratio Lower Upper
168 100
139 32.2 26.6 39.8
169 13.5 11.0 16.4



#56
4-Nitrophenol
Concen: 76.465 ng
RT: 14.657 min Scan# 1984
Delta R.T. 0.018 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion:139 Resp: 777995
Ion Ratio Lower Upper
139 100
109 68.2 47.9 87.9
65 83.3 62.7 102.7

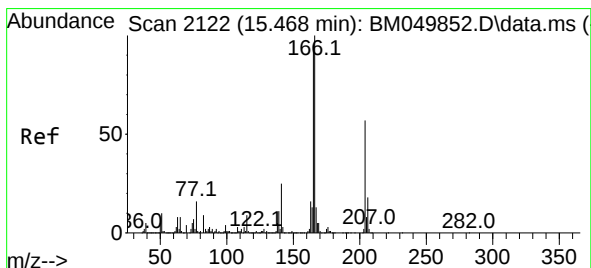
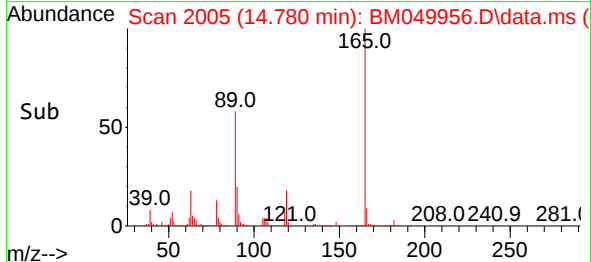
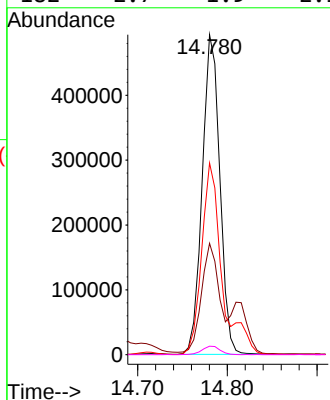
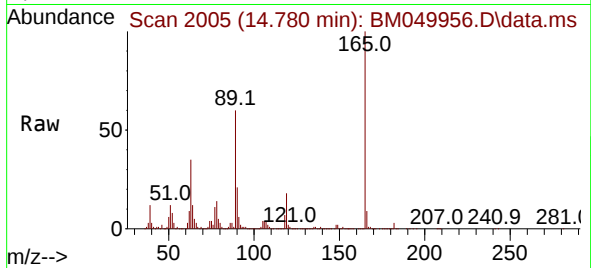




#57
2,4-Dinitrotoluene
Concen: 42.604 ng
RT: 14.780 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

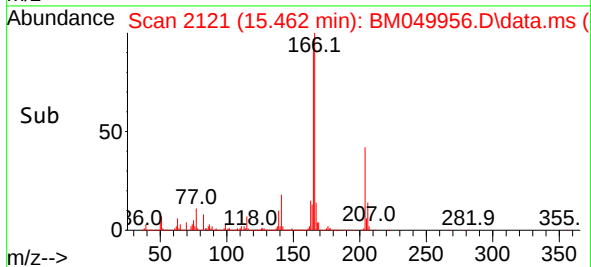
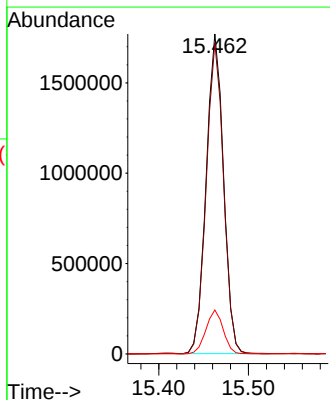
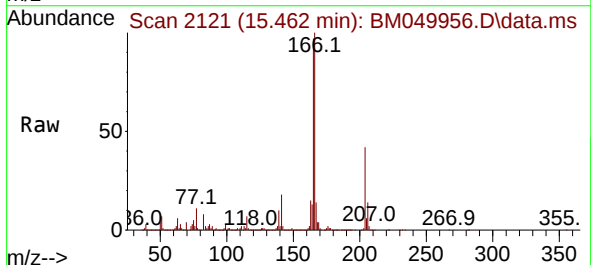
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMS

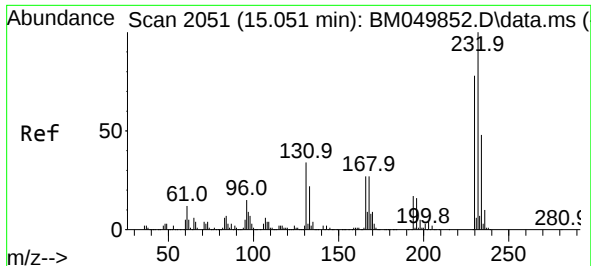
Tgt Ion:	165	Resp:	671437
Ion	Ratio	Lower	Upper
165	100		
63	34.8	28.6	42.8
89	59.9	49.0	73.6
182	2.7	1.9	2.9



#58
Fluorene
Concen: 41.327 ng
RT: 15.462 min Scan# 2121
Delta R.T. -0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion:	166	Resp:	2376020
Ion	Ratio	Lower	Upper
166	100		
165	97.2	76.3	114.5
167	13.8	10.7	16.1

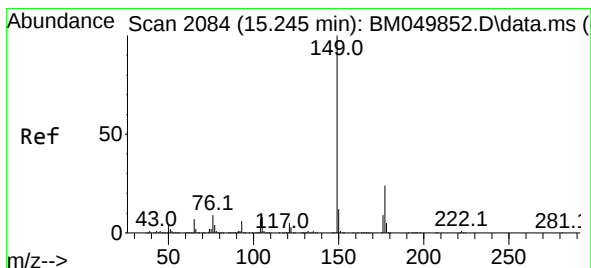
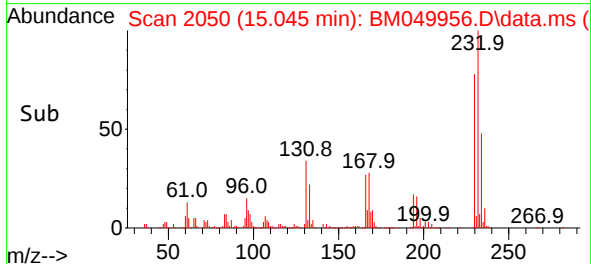
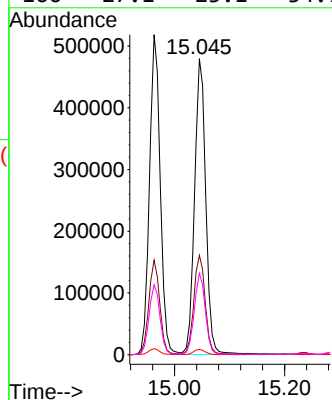
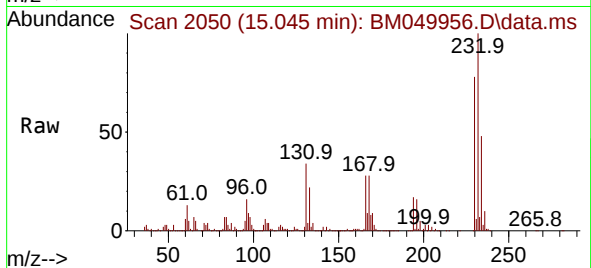




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.883 ng
RT: 15.045 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

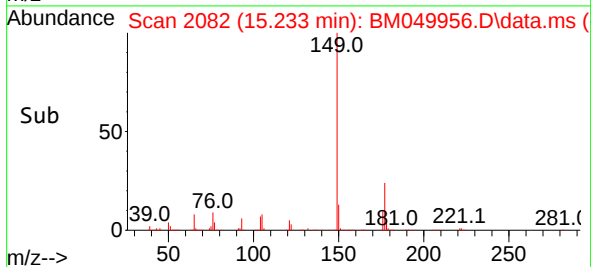
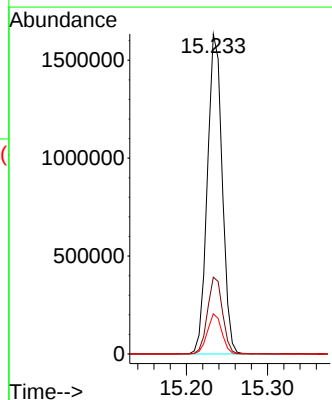
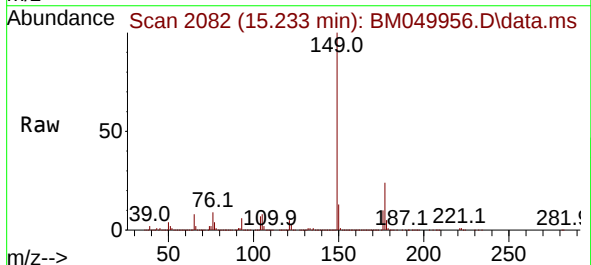
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMS

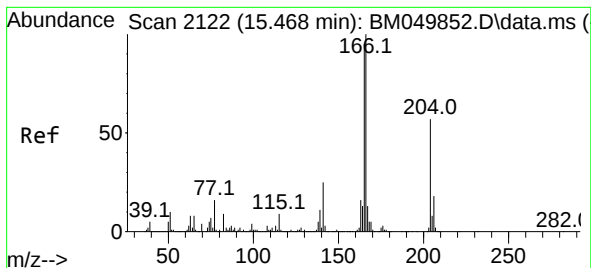
Tgt Ion:232 Resp: 675881
Ion Ratio Lower Upper
232 100
131 34.0 28.4 42.6
130 1.9 1.6 2.4
166 27.1 23.1 34.7



#60
Diethylphthalate
Concen: 38.223 ng
RT: 15.233 min Scan# 2082
Delta R.T. -0.012 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion:149 Resp: 2066795
Ion Ratio Lower Upper
149 100
177 24.0 19.0 28.4
150 12.6 9.7 14.5

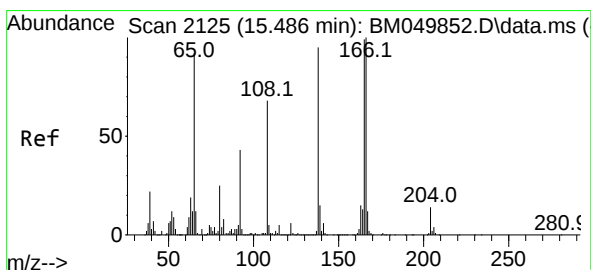
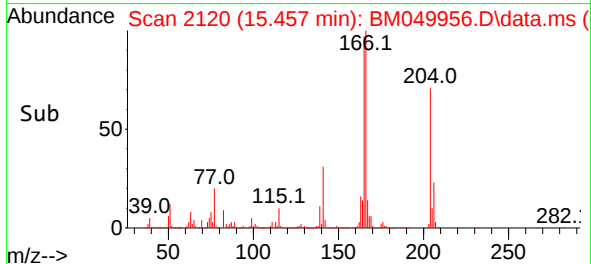
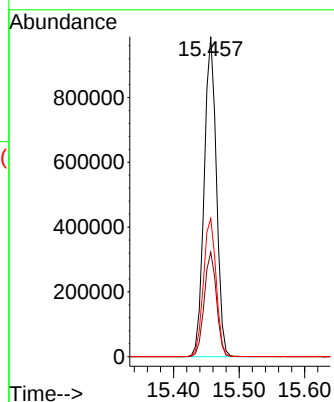
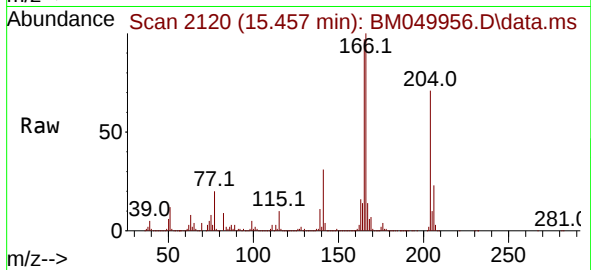




#61
4-Chlorophenyl-phenylether
Concen: 41.637 ng
RT: 15.457 min Scan# 2120
Delta R.T. -0.012 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

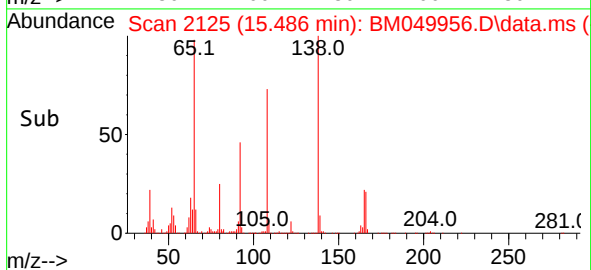
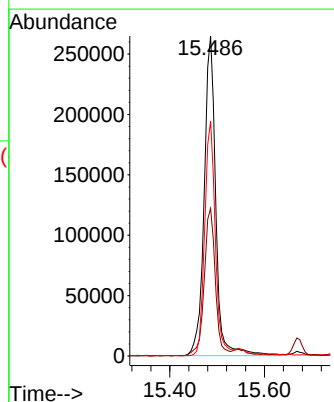
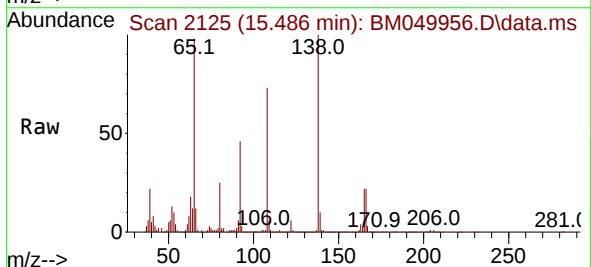
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMS

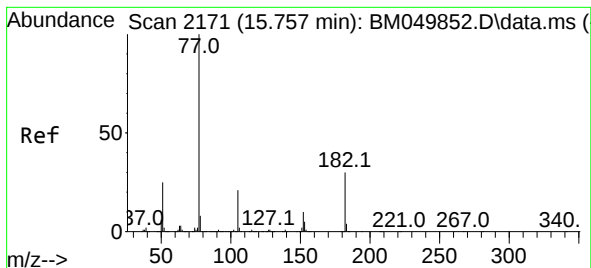
Tgt Ion:204 Resp: 1283435
Ion Ratio Lower Upper
204 100
206 32.7 26.2 39.2
141 43.2 35.0 52.6



#62
4-Nitroaniline
Concen: 38.102 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion:138 Resp: 449887
Ion Ratio Lower Upper
138 100
92 46.2 24.9 64.9
108 73.5 51.7 91.7





#63

Azobenzene

Concen: 42.215 ng

RT: 15.751 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

Instrument :

BNA_M

ClientSampleId :

OILY-SOIL-PILEMS

Tgt Ion: 77 Resp: 1954255

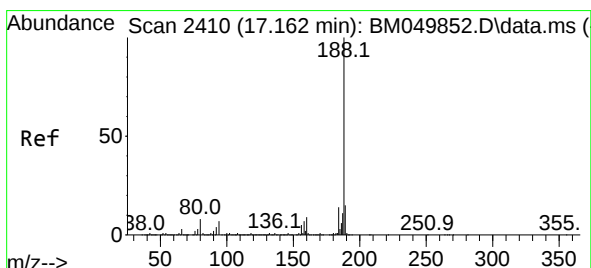
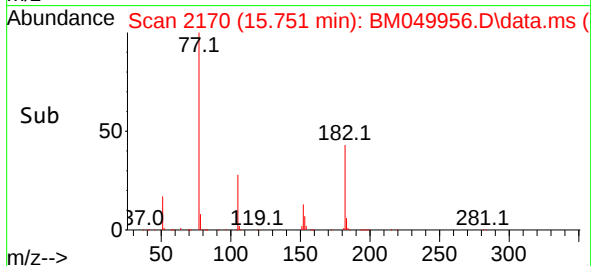
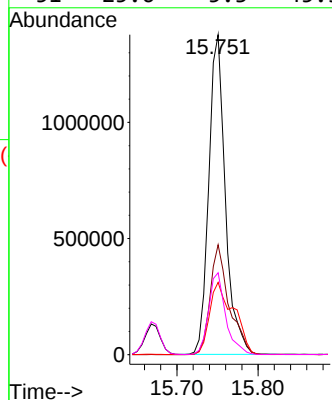
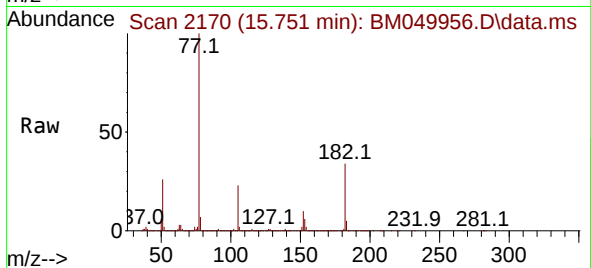
Ion Ratio Lower Upper

77 100

182 34.3 10.4 50.4

105 22.6 1.5 41.5

51 25.6 5.3 45.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 2409

Delta R.T. -0.006 min

Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

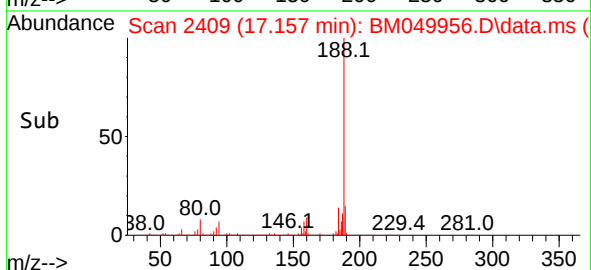
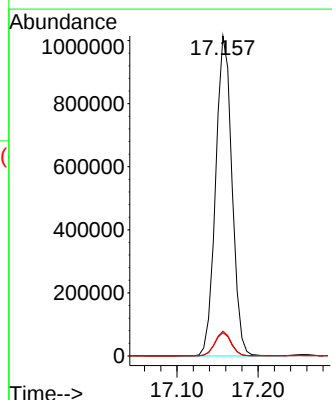
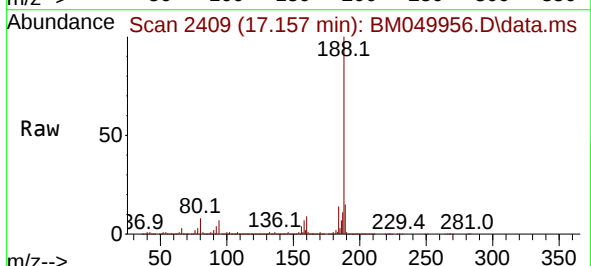
Tgt Ion:188 Resp: 1420458

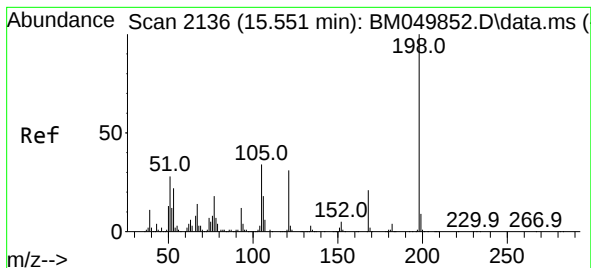
Ion Ratio Lower Upper

188 100

94 7.3 5.8 8.6

80 7.7 6.4 9.6

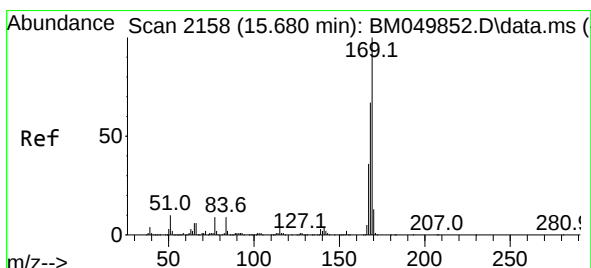
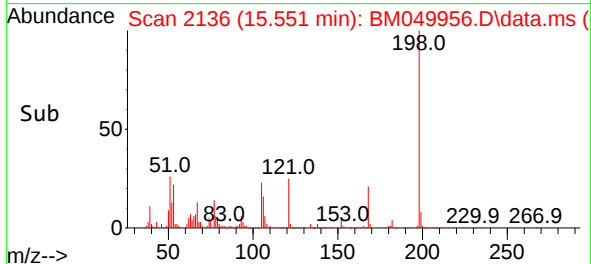
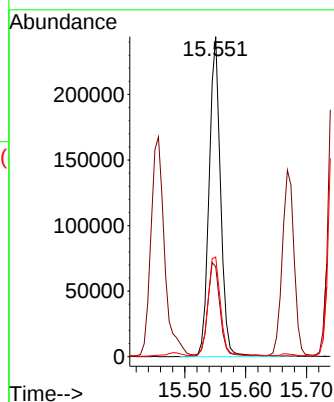
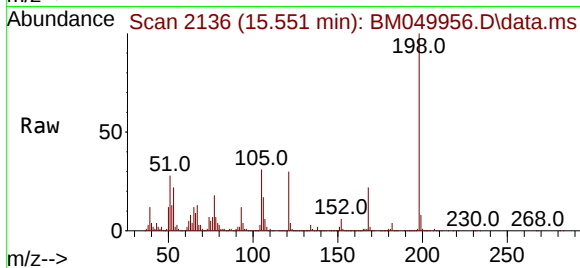




#65
4,6-Dinitro-2-methylphenol
Concen: 35.681 ng
RT: 15.551 min Scan# 2136
Delta R.T. -0.000 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

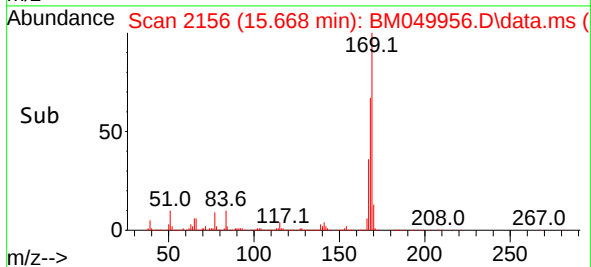
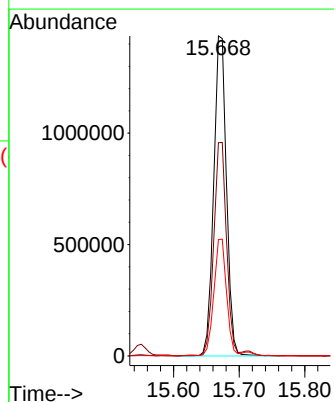
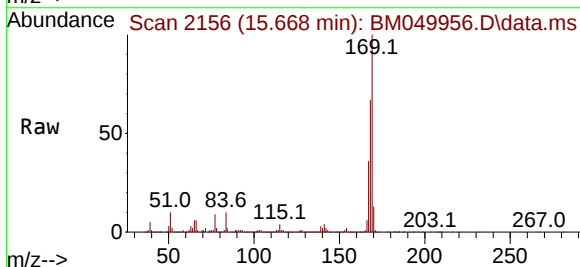
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMS

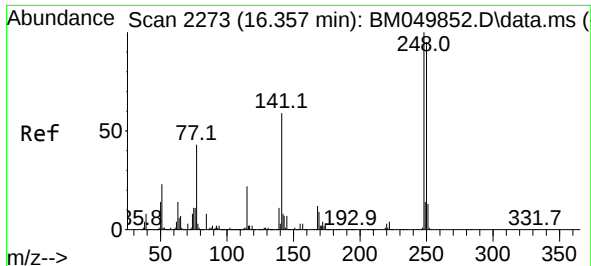
Tgt Ion:198 Resp: 319385
Ion Ratio Lower Upper
198 100
51 28.2 9.6 49.6
105 31.2 14.7 54.7



#66
n-Nitrosodiphenylamine
Concen: 45.649 ng
RT: 15.668 min Scan# 2156
Delta R.T. -0.012 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion:169 Resp: 1940515
Ion Ratio Lower Upper
169 100
168 66.7 53.4 80.2
167 36.4 29.0 43.6

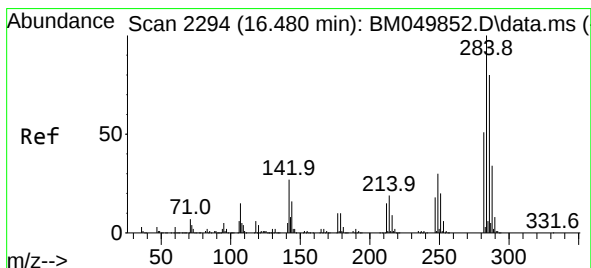
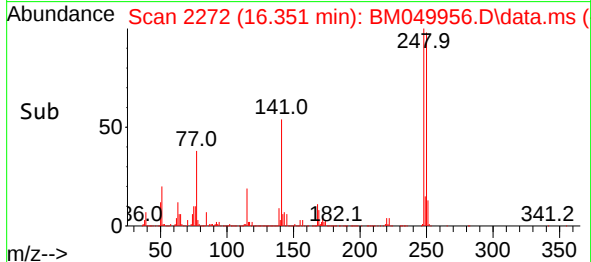
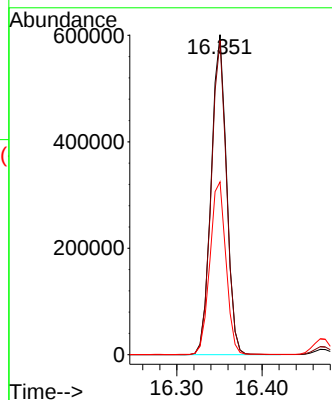
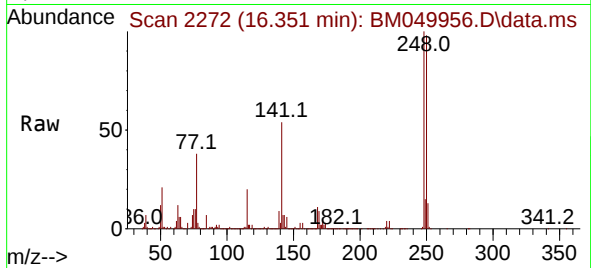




#67
4-Bromophenyl-phenylether
Concen: 45.629 ng
RT: 16.351 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

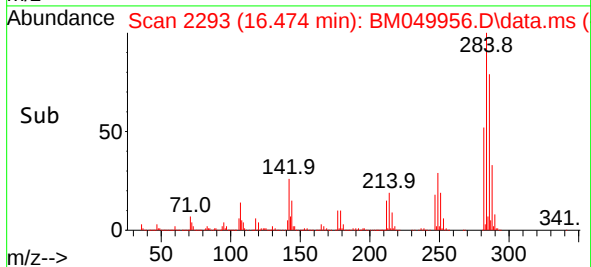
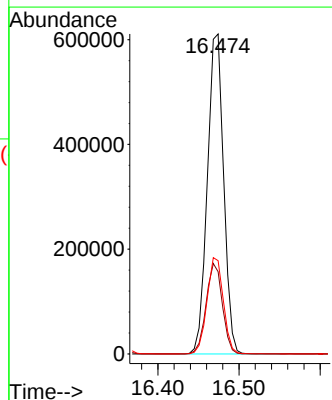
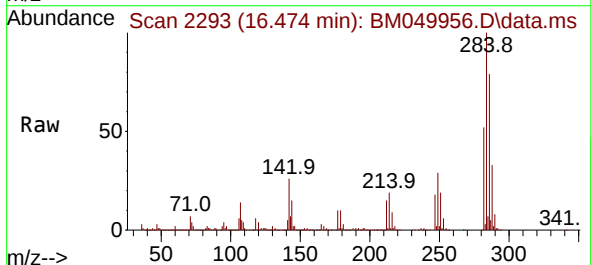
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMS

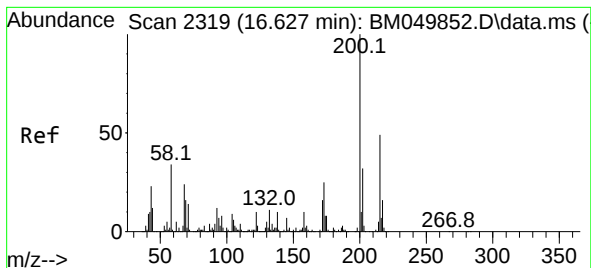
Tgt Ion:248 Resp: 752409
Ion Ratio Lower Upper
248 100
250 98.2 76.2 114.2
141 54.0 47.3 70.9



#68
Hexachlorobenzene
Concen: 44.912 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion:284 Resp: 849476
Ion Ratio Lower Upper
284 100
142 25.7 21.2 31.8
249 29.2 24.1 36.1





#69

Atrazine

Concen: 58.457 ng

RT: 16.627 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

Instrument :

BNA_M

ClientSampleId :

OILY-SOIL-PILEMS

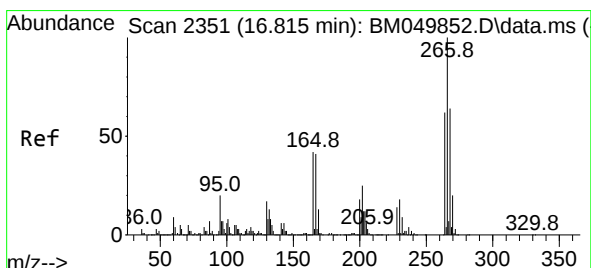
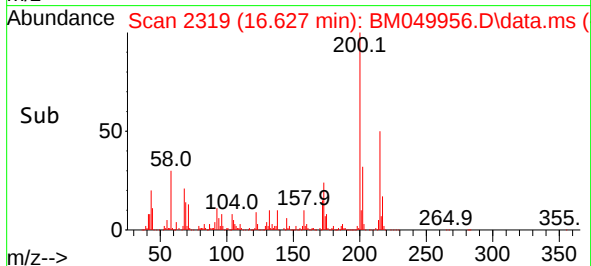
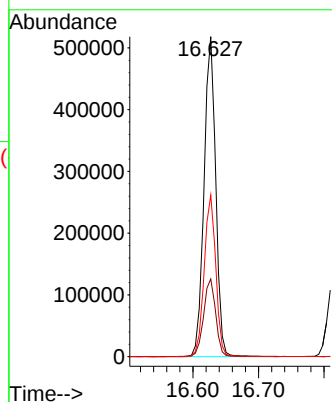
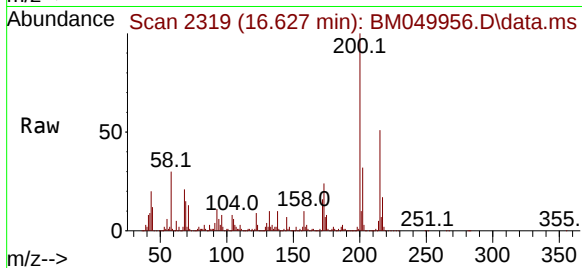
Tgt Ion:200 Resp: 644299

Ion Ratio Lower Upper

200 100

173 24.3 5.4 45.4

215 50.5 29.0 69.0



#70

Pentachlorophenol

Concen: 81.106 ng

RT: 16.815 min Scan# 2351

Delta R.T. -0.000 min

Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

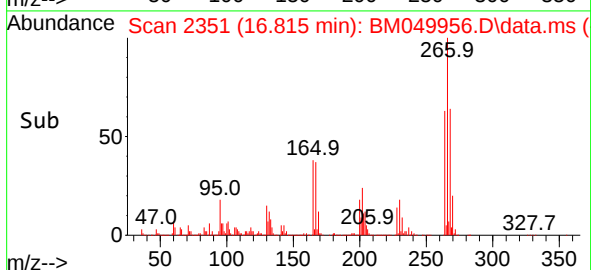
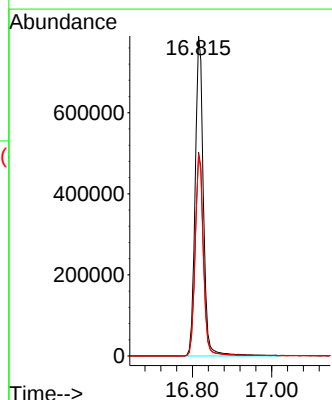
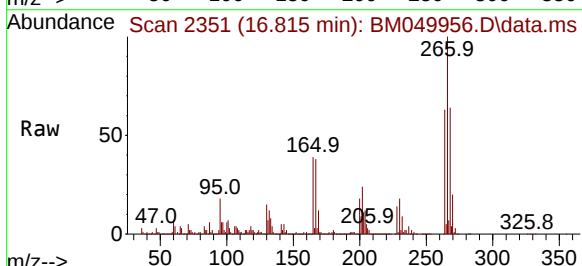
Tgt Ion:266 Resp: 1129411

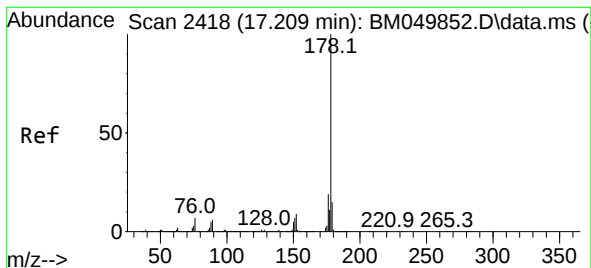
Ion Ratio Lower Upper

266 100

268 63.6 51.4 77.2

264 63.0 49.8 74.8





#71

Phenanthrene

Concen: 50.001 ng

RT: 17.204 min Scan# 2418

Delta R.T. -0.006 min

Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

Instrument :

BNA_M

ClientSampleId :

OILY-SOIL-PILEMS

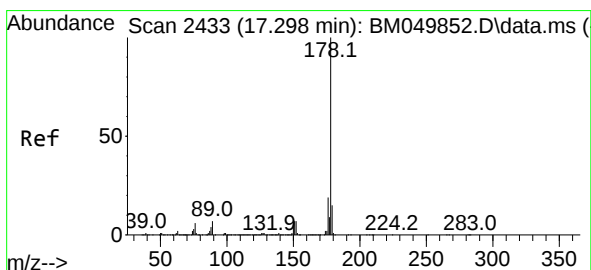
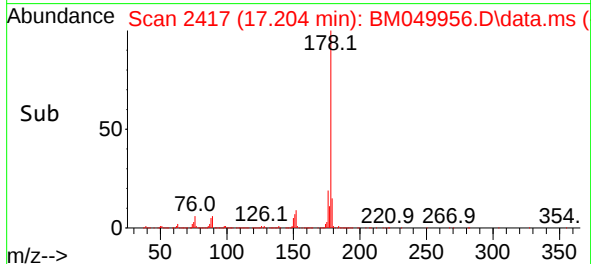
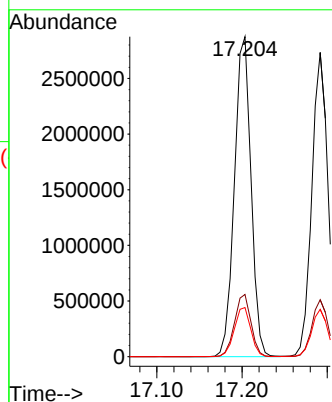
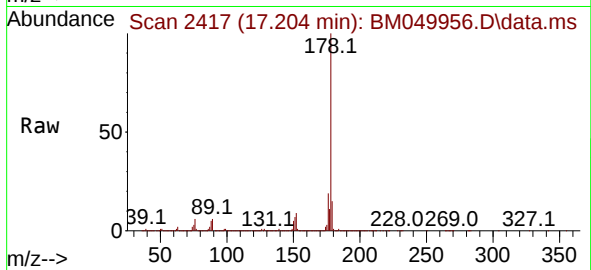
Tgt Ion:178 Resp: 3893868

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

179 15.3 12.3 18.5



#72

Anthracene

Concen: 47.068 ng

RT: 17.292 min Scan# 2432

Delta R.T. -0.006 min

Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

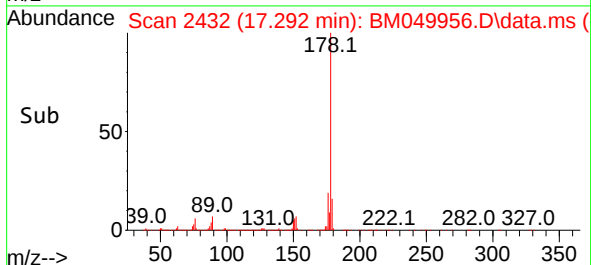
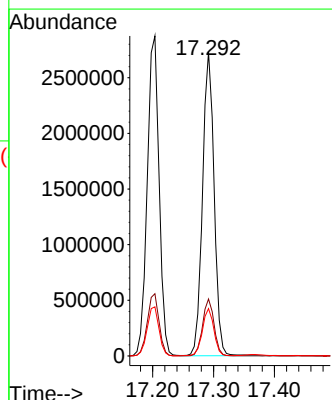
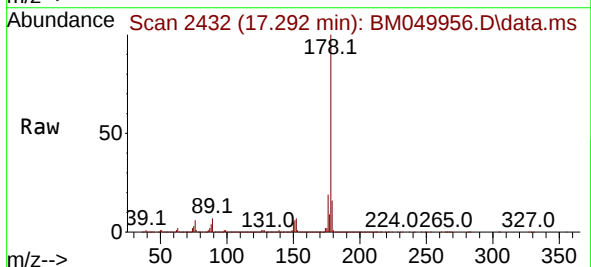
Tgt Ion:178 Resp: 3612196

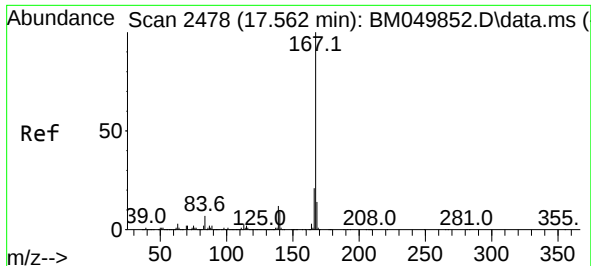
Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

179 15.6 12.4 18.6

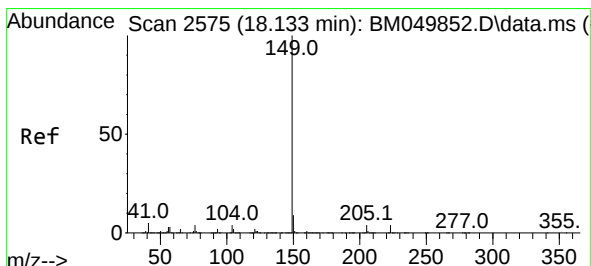
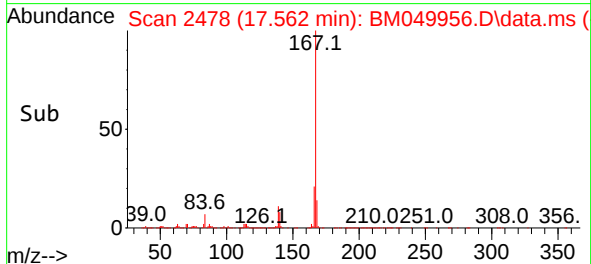
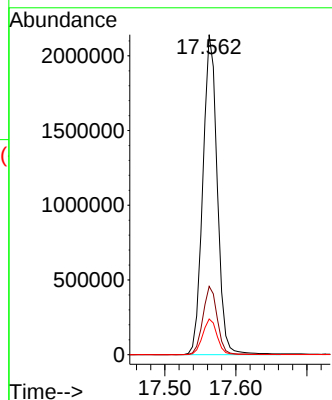
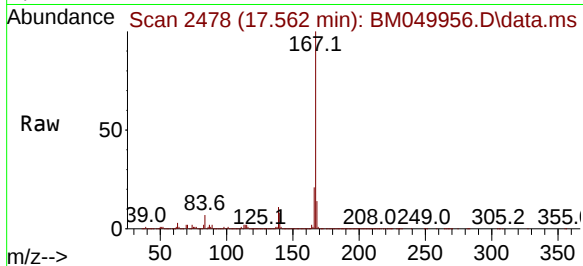




#73
 Carbazole
 Concen: 41.915 ng
 RT: 17.562 min Scan# 24
 Delta R.T. -0.000 min
 Lab File: BM049956.D
 Acq: 16 Apr 2025 17:24

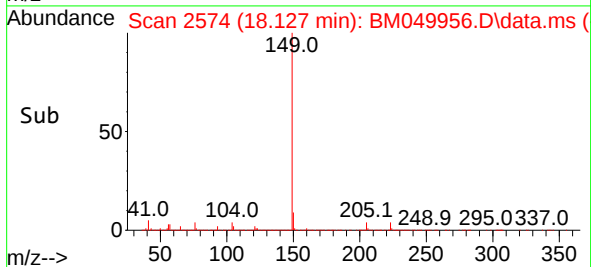
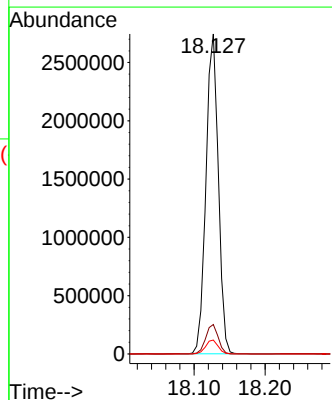
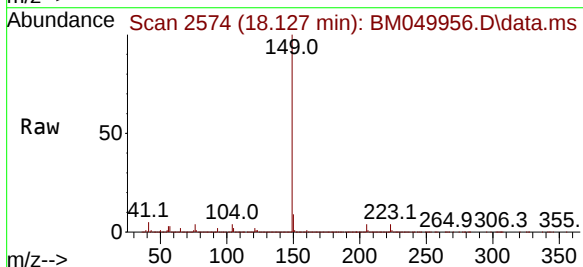
Instrument :
 BNA_M
 ClientSampleId :
 OILY-SOIL-PILEMS

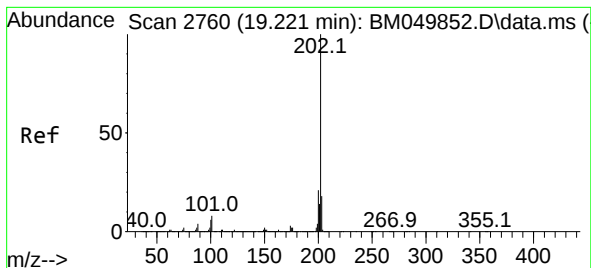
Tgt Ion:167 Resp: 3029760
 Ion Ratio Lower Upper
 167 100
 166 21.4 16.9 25.3
 139 11.2 9.3 13.9



#74
 Di-n-butylphthalate
 Concen: 39.892 ng
 RT: 18.127 min Scan# 2574
 Delta R.T. -0.006 min
 Lab File: BM049956.D
 Acq: 16 Apr 2025 17:24

Tgt Ion:149 Resp: 3321320
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.5 11.3
 104 4.4 3.5 5.3





#75

Fluoranthene

Concen: 58.470 ng

RT: 19.221 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

Instrument :

BNA_M

ClientSampleId :

OILY-SOIL-PILEMS

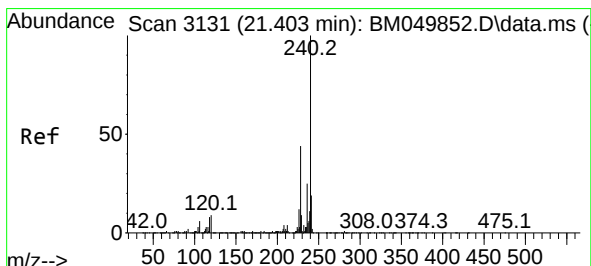
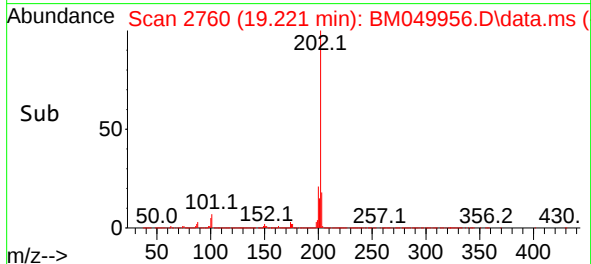
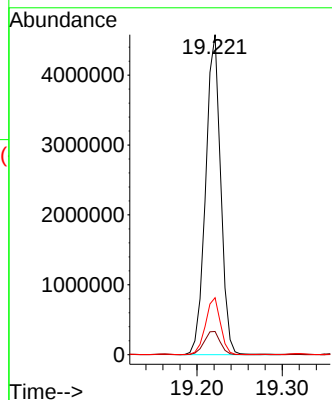
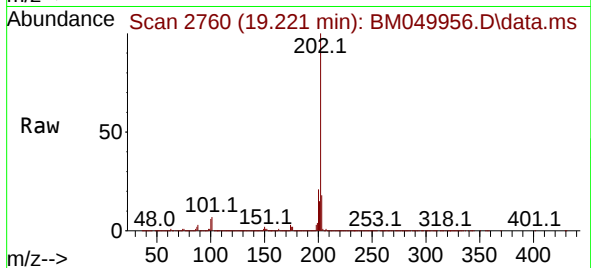
Tgt Ion:202 Resp: 5598504

Ion Ratio Lower Upper

202 100

101 7.3 0.0 28.4

203 17.8 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.397 min Scan# 3130

Delta R.T. -0.006 min

Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

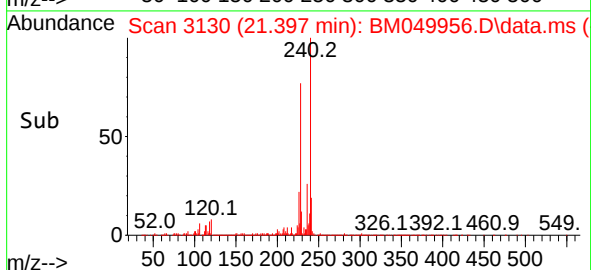
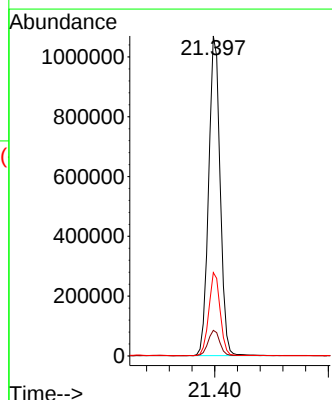
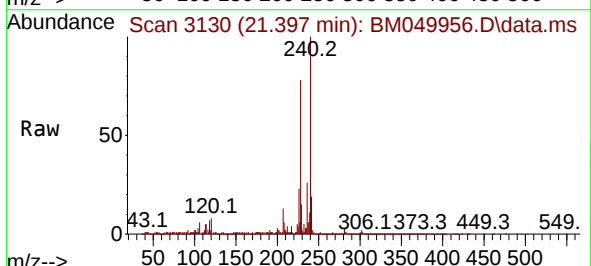
Tgt Ion:240 Resp: 1491037

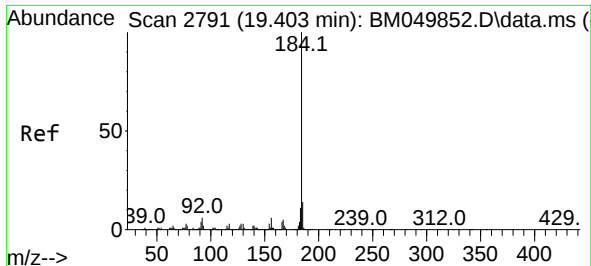
Ion Ratio Lower Upper

240 100

120 8.0 6.9 10.3

236 26.1 20.4 30.6

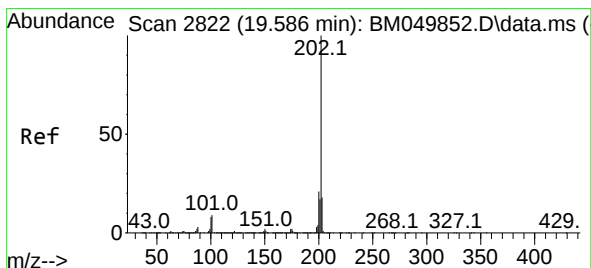
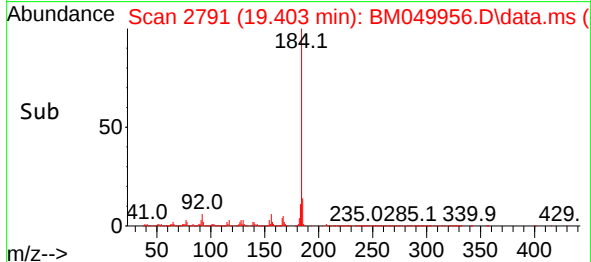
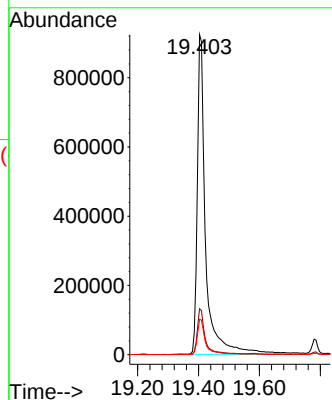
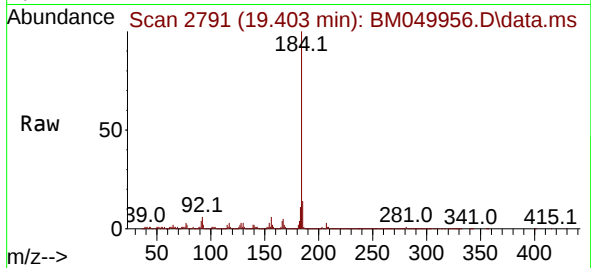




#77
Benzidine
Concen: 88.834 ng
RT: 19.403 min Scan# 2791
Delta R.T. -0.000 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

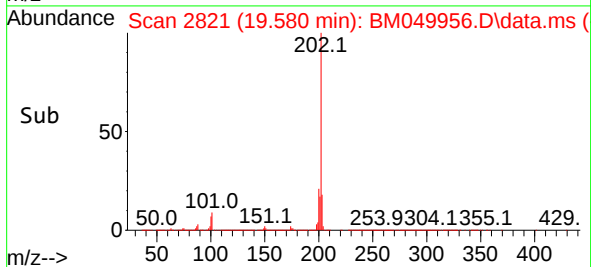
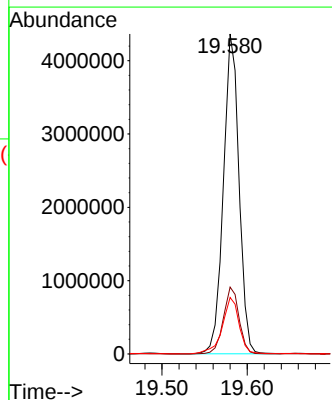
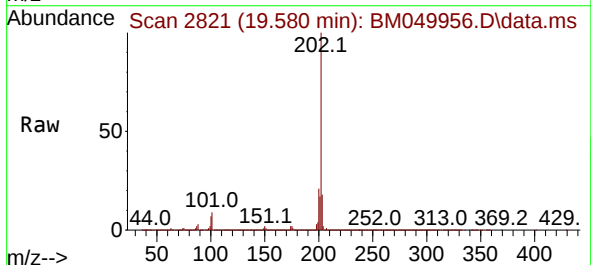
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMS

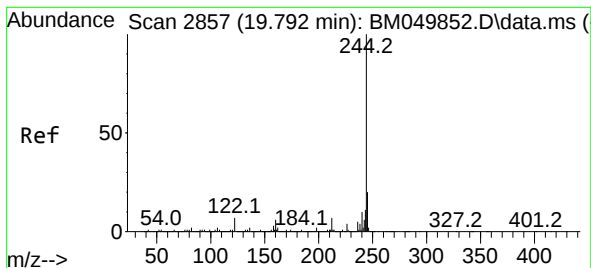
Tgt Ion:184 Resp: 1757191
Ion Ratio Lower Upper
184 100
185 14.3 11.4 17.2
183 11.0 8.8 13.2



#78
Pyrene
Concen: 54.074 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion:202 Resp: 5556582
Ion Ratio Lower Upper
202 100
200 20.9 16.5 24.7
203 17.6 14.0 21.0





#79

Terphenyl-d14

Concen: 45.216 ng

RT: 19.780 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

Instrument :

BNA_M

ClientSampleId :

OILY-SOIL-PILEMS

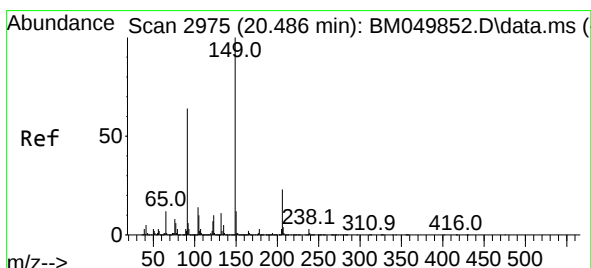
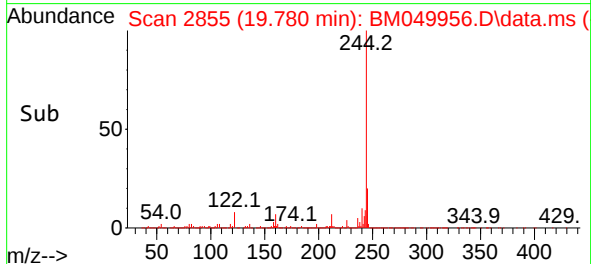
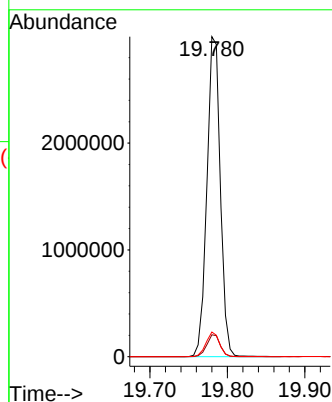
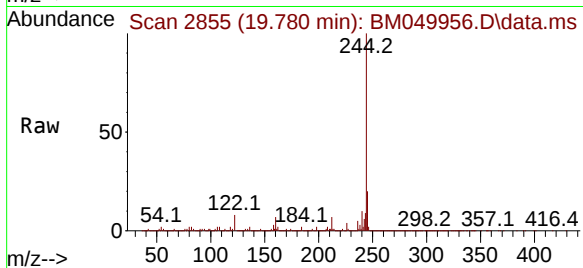
Tgt Ion:244 Resp: 3597515

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 7.7 5.4 8.0



#80

Butylbenzylphthalate

Concen: 38.430 ng

RT: 20.480 min Scan# 2974

Delta R.T. -0.006 min

Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

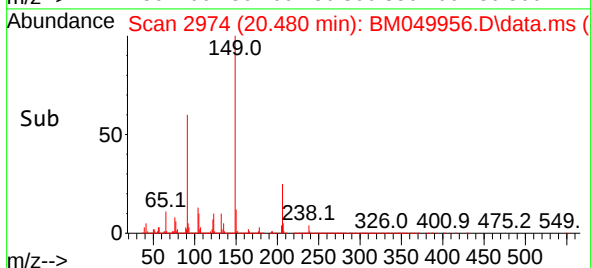
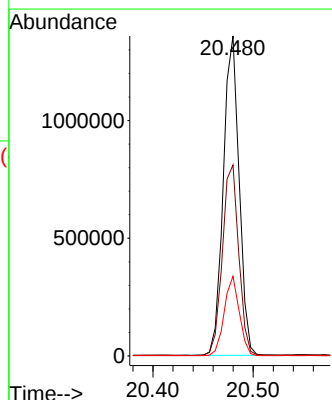
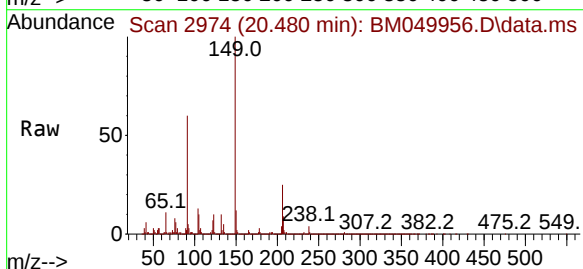
Tgt Ion:149 Resp: 1483885

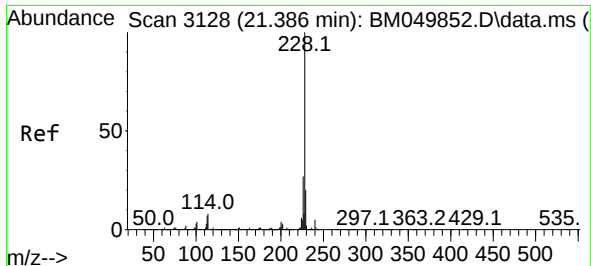
Ion Ratio Lower Upper

149 100

91 59.7 50.9 76.3

206 24.9 18.4 27.6

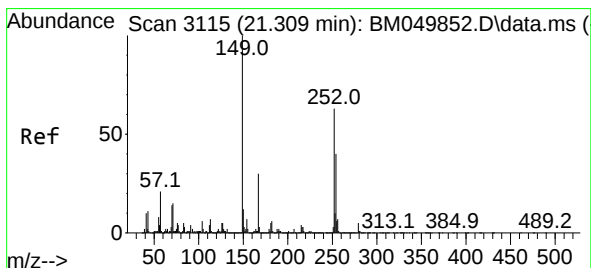
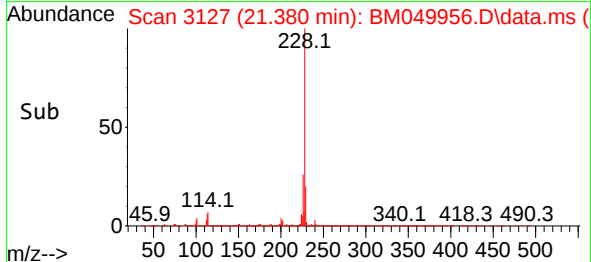
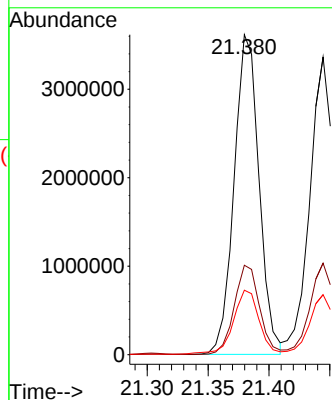
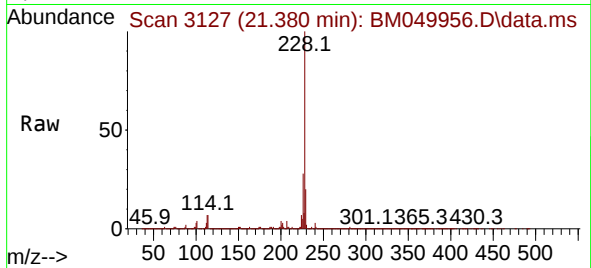




#81
Benzo(a)anthracene
Concen: 51.945 ng
RT: 21.380 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

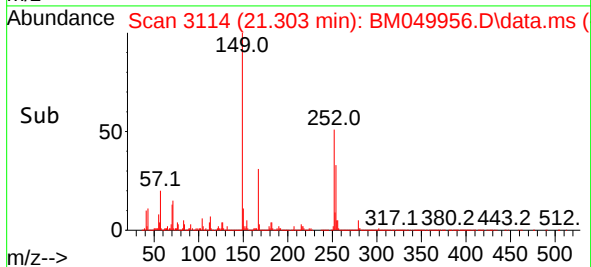
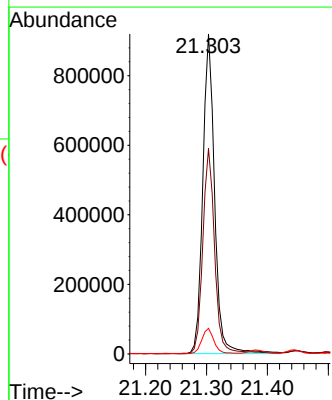
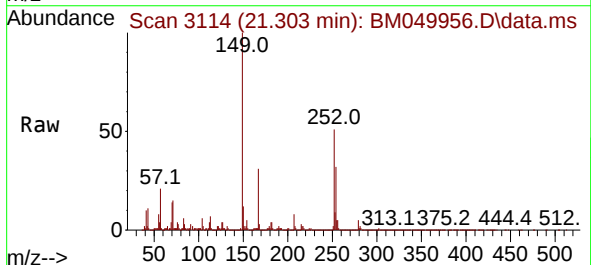
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMS

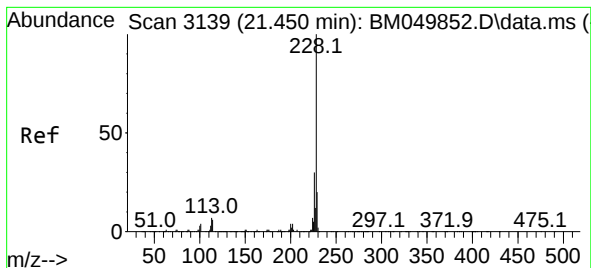
Tgt Ion:228 Resp: 5147445
Ion Ratio Lower Upper
228 100
226 28.0 21.8 32.8
229 20.2 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 33.052 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion:252 Resp: 1236885
Ion Ratio Lower Upper
252 100
254 64.2 51.5 77.3
126 8.0 6.3 9.5





#83

Chrysene

Concen: 49.920 ng

RT: 21.444 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

Instrument :

BNA_M

ClientSampleId :

OILY-SOIL-PILEMS

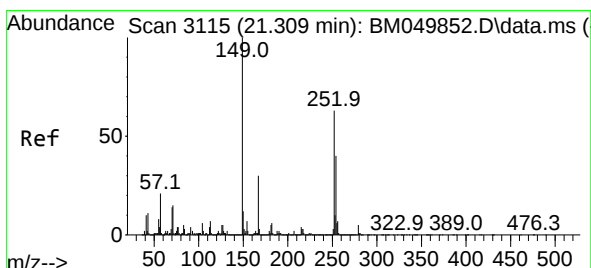
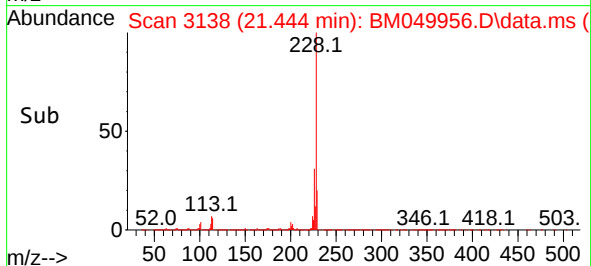
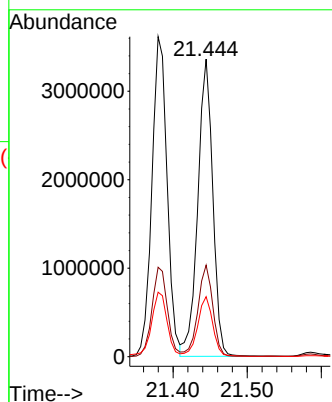
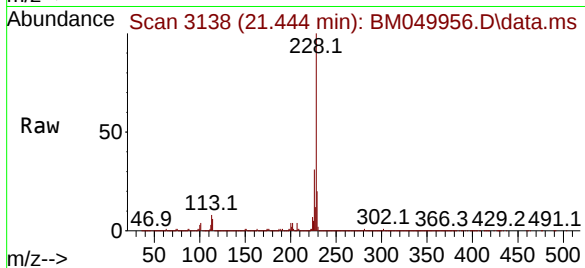
Tgt Ion:228 Resp: 4702904

Ion Ratio Lower Upper

228 100

226 30.8 24.1 36.1

229 20.2 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 38.992 ng

RT: 21.303 min Scan# 3114

Delta R.T. -0.006 min

Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

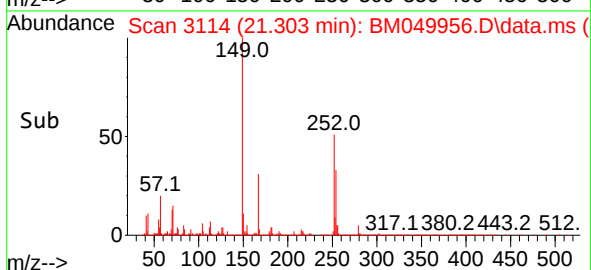
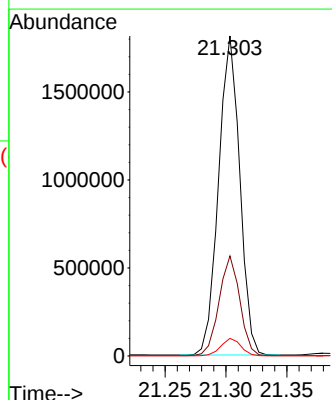
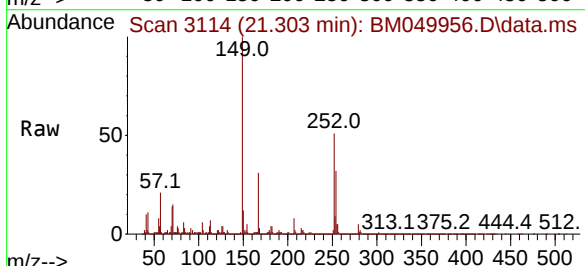
Tgt Ion:149 Resp: 2193530

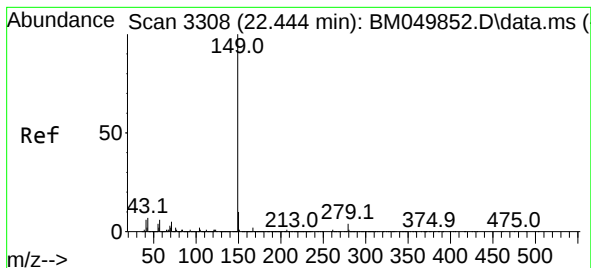
Ion Ratio Lower Upper

149 100

167 31.2 23.8 35.6

279 5.5 3.8 5.8





#85

Di-n-octyl phthalate

Concen: 40.242 ng

RT: 22.433 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

Instrument :

BNA_M

ClientSampleId :

OILY-SOIL-PILEMS

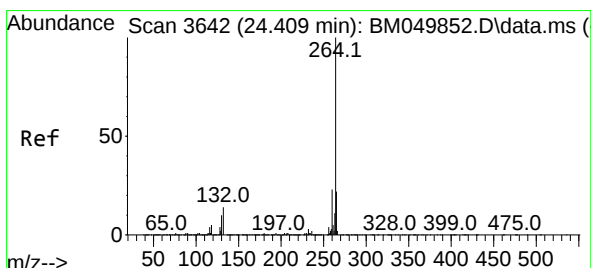
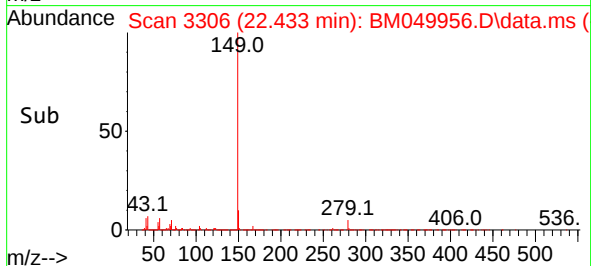
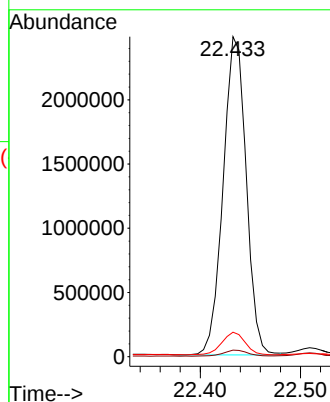
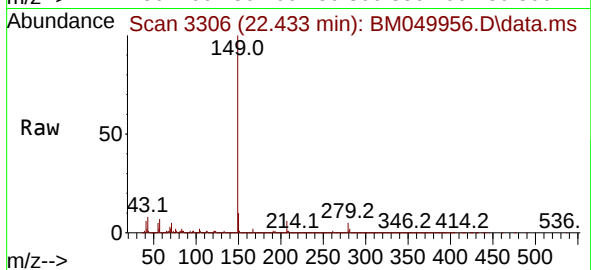
Tgt Ion:149 Resp: 3960481

Ion Ratio Lower Upper

149 100

167 2.0 1.3 1.9#

43 7.0 5.8 8.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.403 min Scan# 3641

Delta R.T. -0.006 min

Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

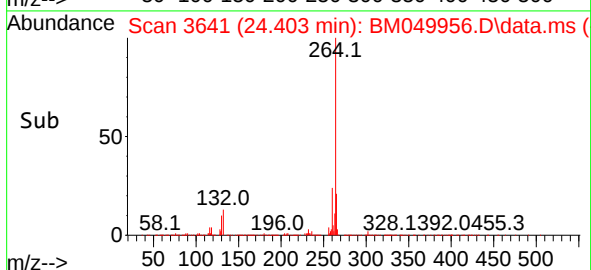
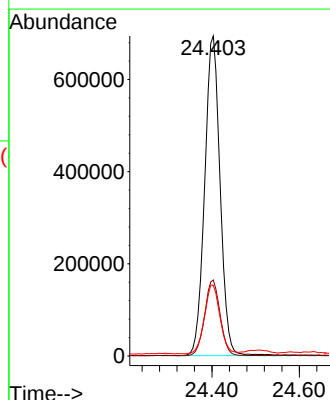
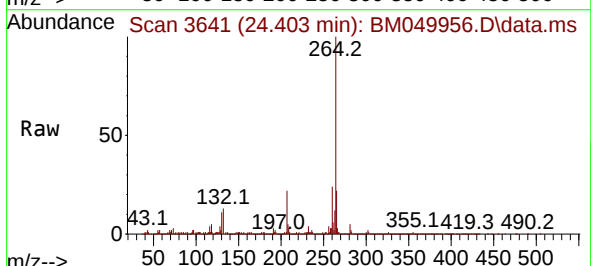
Tgt Ion:264 Resp: 1703857

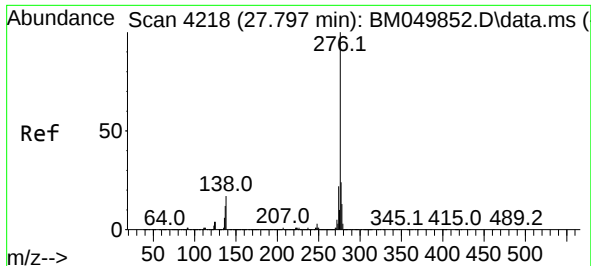
Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 22.1 17.8 26.8

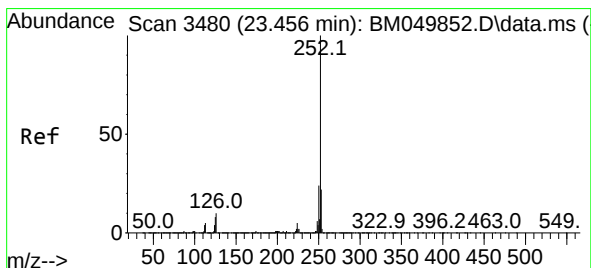
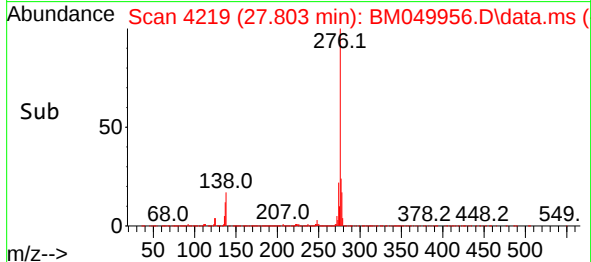
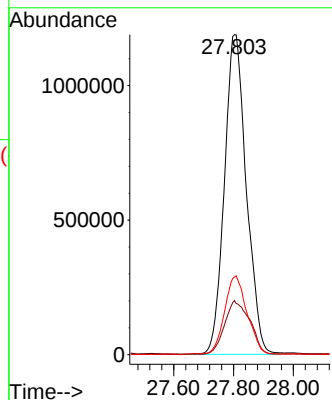
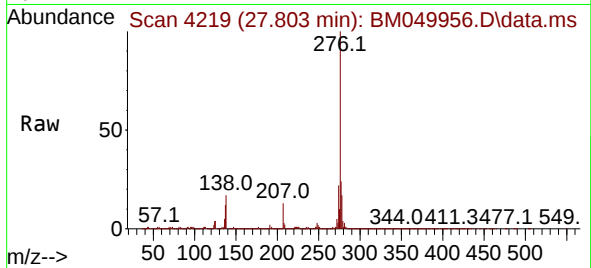




#87
Indeno(1,2,3-cd)pyrene
Concen: 47.690 ng
RT: 27.803 min Scan# 4219
Delta R.T. 0.006 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

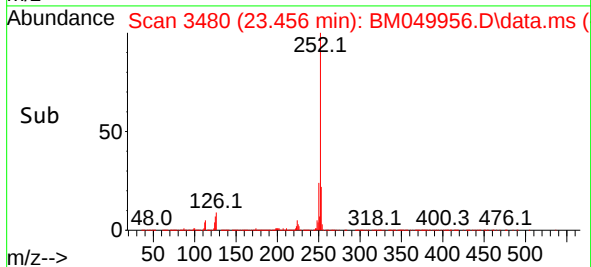
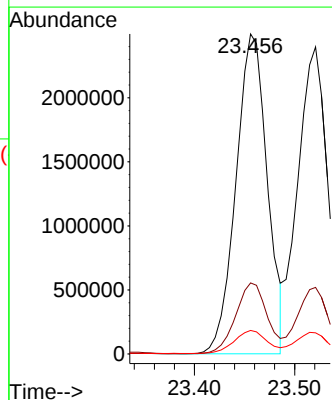
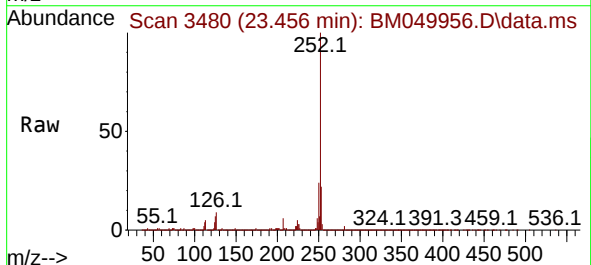
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMS

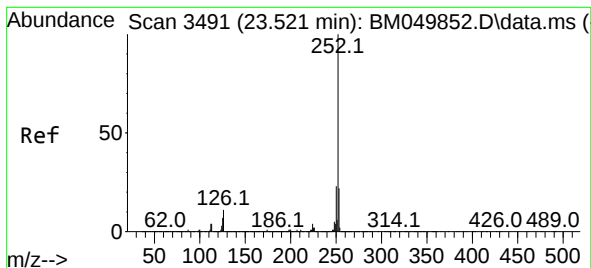
Tgt Ion:276 Resp: 6056980
Ion Ratio Lower Upper
276 100
138 19.4 16.8 25.2
277 24.8 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 49.835 ng
RT: 23.456 min Scan# 3480
Delta R.T. -0.000 min
Lab File: BM049956.D
Acq: 16 Apr 2025 17:24

Tgt Ion:252 Resp: 5423030
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 7.3 6.2 9.4





#89

Benzo(k)fluoranthene

Concen: 47.153 ng

RT: 23.521 min Scan# 3491

Delta R.T. -0.000 min

Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

Instrument :

BNA_M

ClientSampleId :

OILY-SOIL-PILEMS

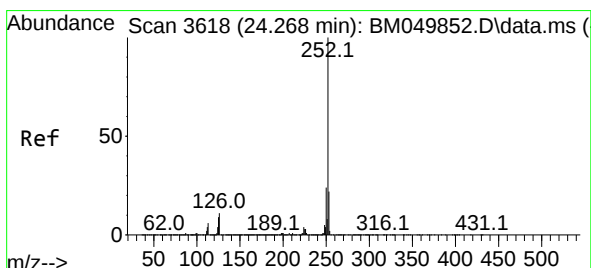
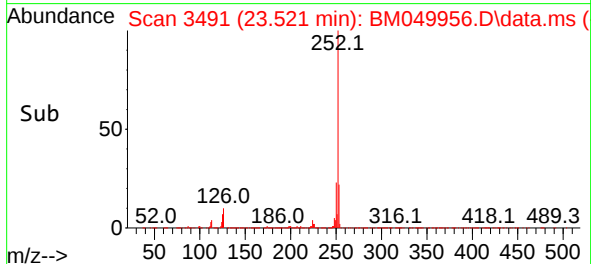
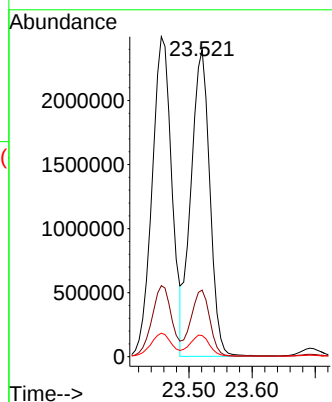
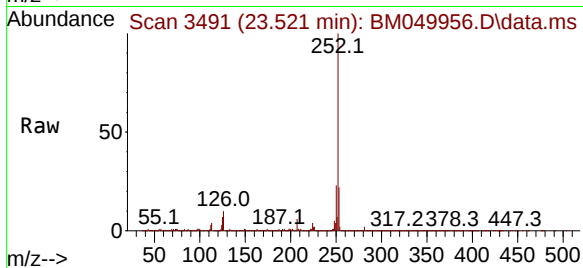
Tgt Ion:252 Resp: 4972441

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

125 6.9 5.8 8.8



#90

Benzo(a)pyrene

Concen: 53.053 ng

RT: 24.262 min Scan# 3617

Delta R.T. -0.006 min

Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

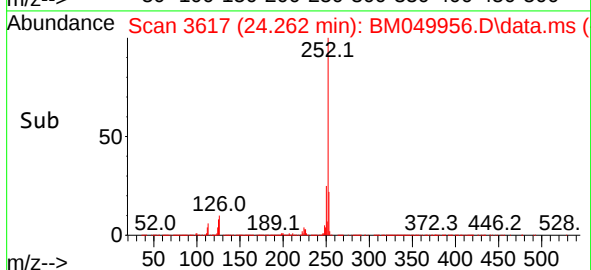
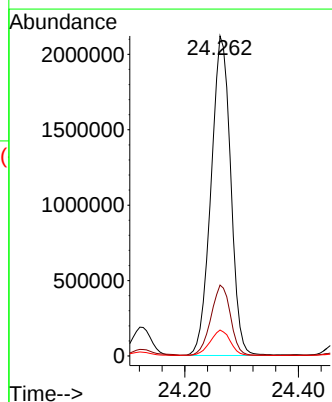
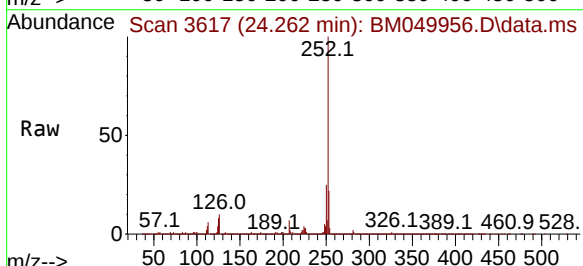
Tgt Ion:252 Resp: 5073049

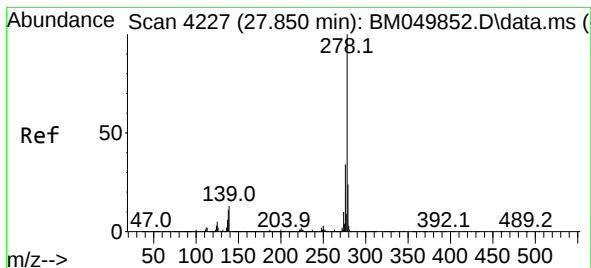
Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

125 8.1 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 44.439 ng

RT: 27.856 min Scan# 4227

Delta R.T. 0.006 min

Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

Instrument :

BNA_M

ClientSampleId :

OILY-SOIL-PILEMS

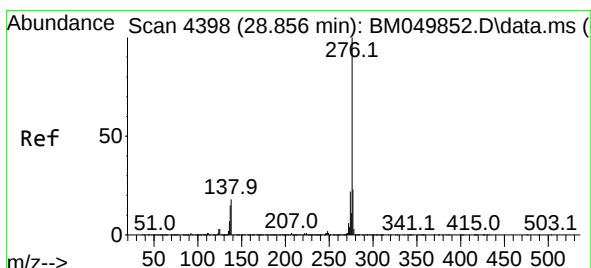
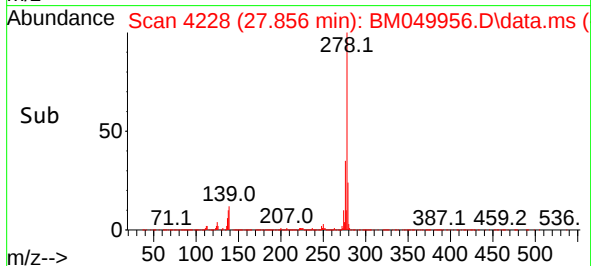
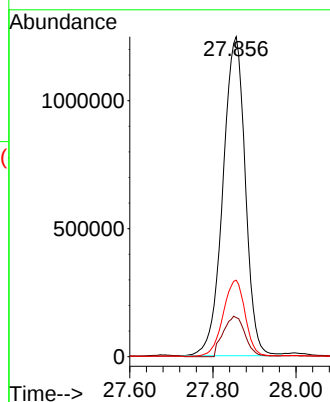
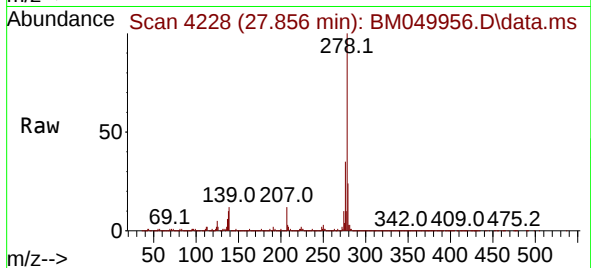
Tgt Ion:278 Resp: 4649002

Ion Ratio Lower Upper

278 100

139 12.2 10.6 15.8

279 23.9 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 45.033 ng

RT: 28.856 min Scan# 4398

Delta R.T. -0.000 min

Lab File: BM049956.D

Acq: 16 Apr 2025 17:24

Tgt Ion:276 Resp: 4814163

Ion Ratio Lower Upper

276 100

277 23.5 18.7 28.1

138 16.8 14.6 21.8

