

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092324\
 Data File : BP021979.D
 Acq On : 23 Sep 2024 12:30
 Operator : RC/JU
 Sample : P2403-03
 Misc : MDL-MDL-SOIL-8 PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

Quant Time: Sep 23 13:12:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 20 01:22:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	108513	20.000	ng	0.00
21) Naphthalene-d8	10.475	136	425632	20.000	ng	0.00
39) Acenaphthene-d10	14.322	164	319143	20.000	ng	0.00
64) Phenanthrene-d10	17.116	188	788764	20.000	ng	-0.02
76) Chrysene-d12	21.533	240	953506	20.000	ng	-0.03
86) Perylene-d12	24.827	264	1095859	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	716288	124.050	ng	0.00
7) Phenol-d6	6.893	99	946838	126.313	ng	0.00
23) Nitrobenzene-d5	8.852	82	733517	91.189	ng	0.00
42) 2,4,6-Tribromophenol	15.834	330	802420	135.623	ng	-0.02
45) 2-Fluorobiphenyl	12.940	172	1925280	88.063	ng	0.00
79) Terphenyl-d14	19.833	244	4022125	79.239	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.258	88	19502	8.134	ng	99
3) Pyridine	3.664	79	45682	7.144	ng	98
4) n-Nitrosodimethylamine	3.564	42	26768	7.935	ng	# 92
6) Aniline	7.052	93	66185	10.048	ng	99
8) 2-Chlorophenol	7.281	128	53456	8.658	ng	93
9) Benzaldehyde	6.869	77	50919	12.991	ng	99
10) Phenol	6.916	94	61819	8.303	ng	91
11) bis(2-Chloroethyl)ether	7.140	93	49343	8.798	ng	98
12) 1,3-Dichlorobenzene	7.605	146	64495	8.274	ng	97
13) 1,4-Dichlorobenzene	7.746	146	65466	8.281	ng	95
14) 1,2-Dichlorobenzene	8.058	146	63264	8.338	ng	97
15) Benzyl Alcohol	7.946	79	50505	8.785	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.222	45	56707	9.480	ng	99
17) 2-Methylphenol	8.152	107	41573	8.266	ng	97
18) Hexachloroethane	8.781	117	23856	8.207	ng	98
19) n-Nitroso-di-n-propyla...	8.505	70	42011	9.017	ng	97
20) 3+4-Methylphenols	8.469	107	56126	7.905	ng	94
22) Acetophenone	8.522	105	90949	8.759	ng	# 99
24) Nitrobenzene	8.893	77	69371	8.492	ng	99
25) Isophorone	9.416	82	110731	8.350	ng	98
26) 2-Nitrophenol	9.593	139	26744	7.488	ng	92
27) 2,4-Dimethylphenol	9.663	122	25850	6.250	ng	97
28) bis(2-Chloroethoxy)met...	9.887	93	64917	8.164	ng	97
29) 2,4-Dichlorophenol	10.128	162	53840	7.670	ng	99
30) 1,2,4-Trichlorobenzene	10.340	180	68597	7.845	ng	98
31) Naphthalene	10.528	128	175325	8.255	ng	100
32) Benzoic acid	9.746	122	25719	5.319	ng	96
33) 4-Chloroaniline	10.634	127	66712	8.708	ng	97
34) Hexachlorobutadiene	10.816	225	51953	7.595	ng	92
35) Caprolactam	11.404	113	15049	7.203	ng	99
36) 4-Chloro-3-methylphenol	11.752	107	56494	7.501	ng	98
37) 2-Methylnaphthalene	12.134	142	124565	8.017	ng	96
38) 1-Methylnaphthalene	12.351	142	117178	7.638	ng	100
40) 1,2,4,5-Tetrachloroben...	12.504	216	91883	8.229	ng	98
41) Hexachlorocyclopentadiene	12.487	237	26840	6.470	ng	93
43) 2,4,6-Trichlorophenol	12.746	196	51668	7.539	ng	95

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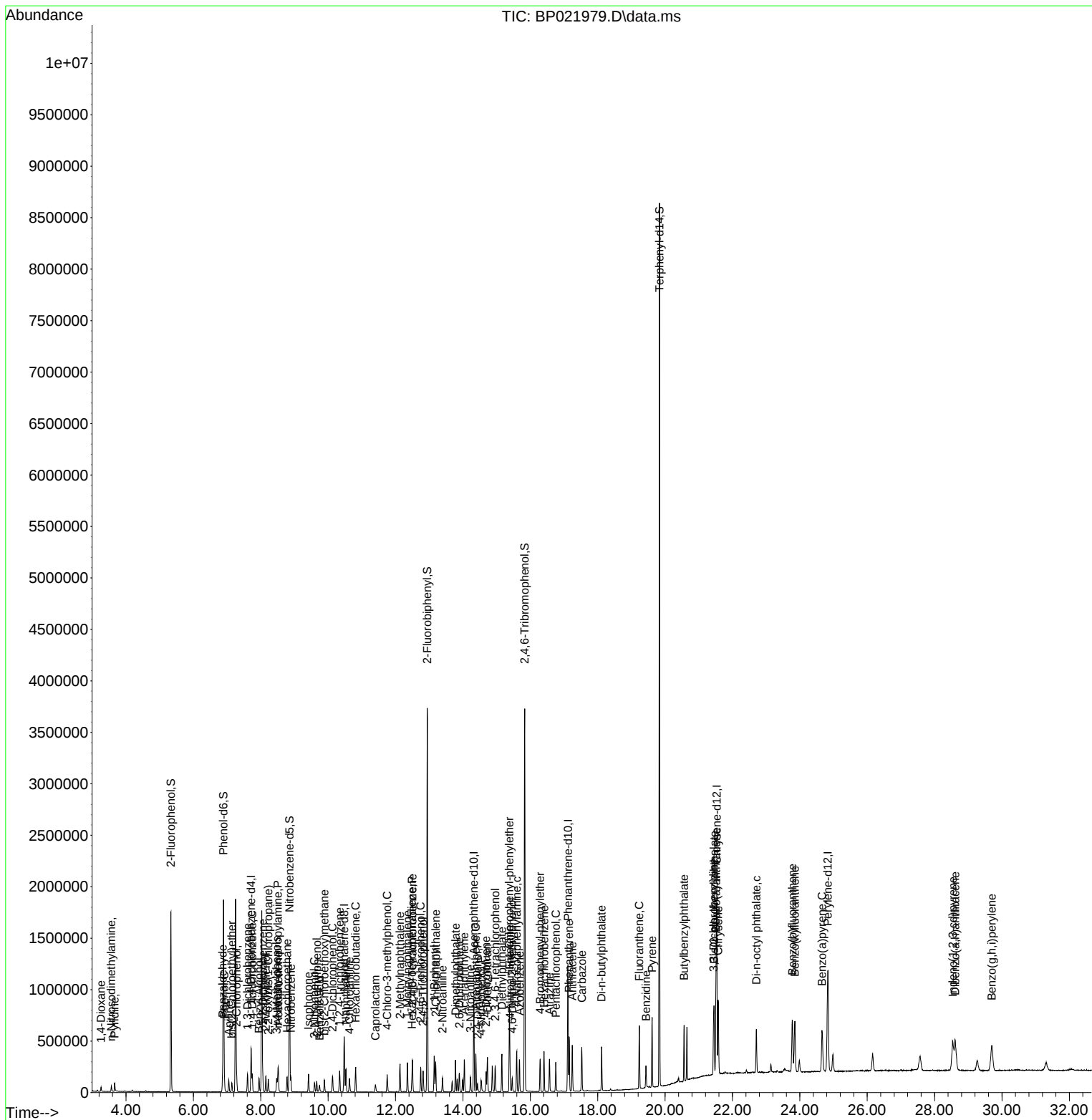
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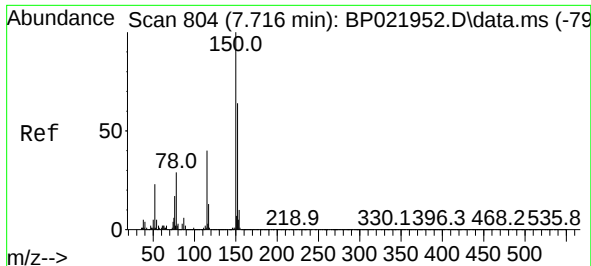
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.816	196	56263	7.318	ng	95
46) 1,1'-Biphenyl	13.151	154	182169	8.372	ng	100
47) 2-Chloronaphthalene	13.193	162	140788	8.002	ng	98
48) 2-Nitroaniline	13.393	65	34680	7.218	ng	98
49) Acenaphthylene	14.040	152	215455	8.678	ng	99
50) Dimethylphthalate	13.781	163	187786	8.113	ng	99
51) 2,6-Dinitrotoluene	13.893	165	38607	7.485	ng	96
52) Acenaphthene	14.381	154	128584	7.958	ng	96
53) 3-Nitroaniline	14.222	138	34441	7.492	ng	97
54) 2,4-Dinitrophenol	14.434	184	18638	6.167	ng	93
55) Dibenzofuran	14.728	168	229681	8.457	ng	100
56) 4-Nitrophenol	14.540	139	28179	7.043	ng	99
57) 2,4-Dinitrotoluene	14.687	165	50143	6.877	ng	# 94
58) Fluorene	15.387	166	182464	8.045	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.957	232	57393	7.735	ng	99
60) Diethylphthalate	15.157	149	189840	8.071	ng	99
61) 4-Chlorophenyl-phenyle...	15.381	204	106086	8.034	ng	99
62) 4-Nitroaniline	15.398	138	36695	7.260	ng	97
63) Azobenzene	15.681	77	167004	8.580	ng	100
65) 4,6-Dinitro-2-methylph...	15.463	198	30998	6.780	ng	99
66) n-Nitrosodiphenylamine	15.598	169	159204	8.106	ng	96
67) 4-Bromophenyl-phenylether	16.292	248	71896	7.819	ng	96
68) Hexachlorobenzene	16.410	284	90246	7.872	ng	96
69) Atrazine	16.569	200	68685	9.761	ng	97
70) Pentachlorophenol	16.757	266	51944	6.735	ng	95
71) Phenanthrene	17.151	178	314575	8.308	ng	99
72) Anthracene	17.245	178	294870	8.045	ng	99
73) Carbazole	17.528	167	284112	8.026	ng	99
74) Di-n-butylphthalate	18.116	149	323088	7.771	ng	99
75) Fluoranthene	19.233	202	416066	7.873	ng	99
77) Benzidine	19.433	184	144556	12.406	ng	97
78) Pyrene	19.616	202	438451	7.601	ng	99
80) Butylbenzylphthalate	20.563	149	153508	7.462	ng	99
81) Benzo(a)anthracene	21.510	228	501203	8.180	ng	99
82) 3,3'-Dichlorobenzidine	21.439	252	170919	7.689	ng	98
83) Chrysene	21.575	228	473535	8.209	ng	98
84) Bis(2-ethylhexyl)phtha...	21.457	149	226633	7.506	ng	99
85) Di-n-octyl phthalate	22.710	149	373714	7.287	ng	99
87) Indeno(1,2,3-cd)pyrene	28.539	276	601980	8.259	ng	99
88) Benzo(b)fluoranthene	23.774	252	517824	7.990	ng	97
89) Benzo(k)fluoranthene	23.851	252	517963	8.445	ng	99
90) Benzo(a)pyrene	24.657	252	465106	8.331	ng	99
91) Dibenzo(a,h)anthracene	28.609	278	491716	8.174	ng	98
92) Benzo(g,h,i)perylene	29.698	276	471284	7.648	ng	99

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

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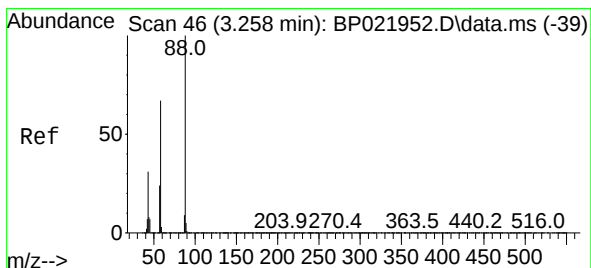
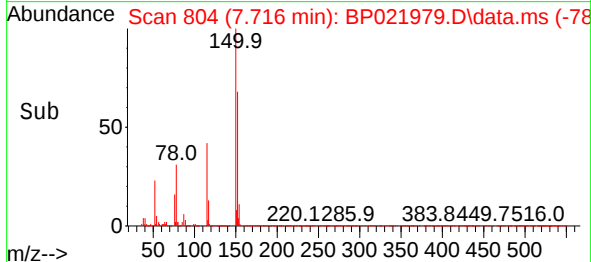
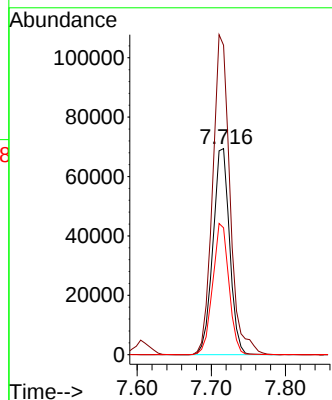
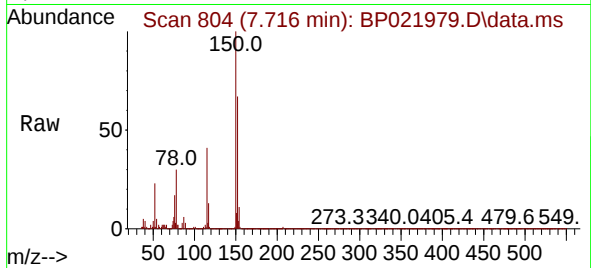




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.716 min Scan# 804
Delta R.T. 0.000 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

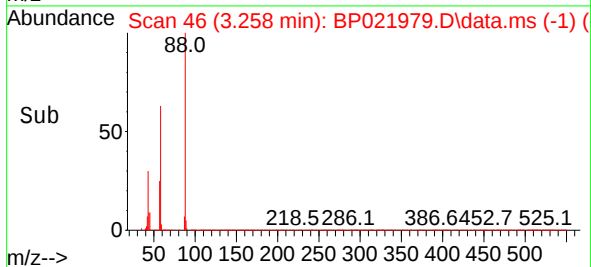
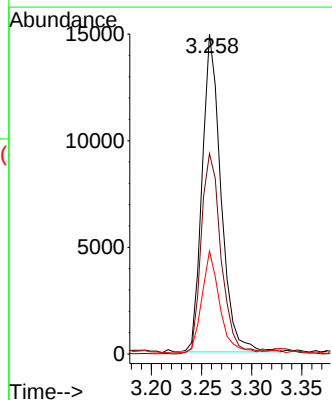
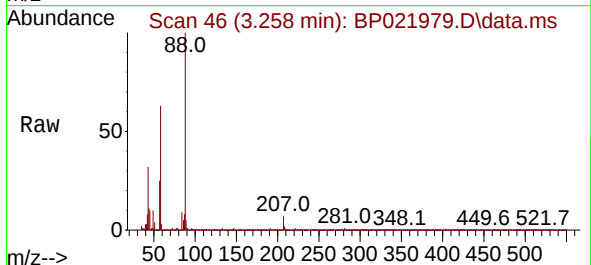
Instrument :
BNA_P
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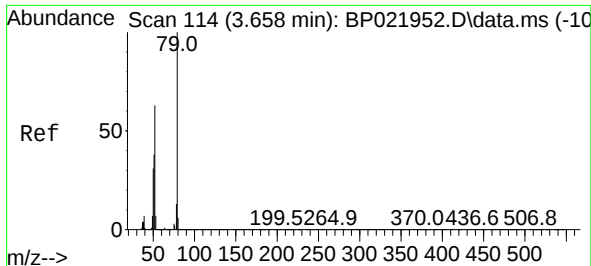
Tgt Ion:152 Resp: 108513
Ion Ratio Lower Upper
152 100
150 150.2 124.2 186.2
115 61.6 49.2 73.8



#2
1,4-Dioxane
Concen: 8.134 ng
RT: 3.258 min Scan# 46
Delta R.T. 0.000 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion: 88 Resp: 19502
Ion Ratio Lower Upper
88 100
58 66.7 53.8 80.6
43 30.3 25.2 37.8

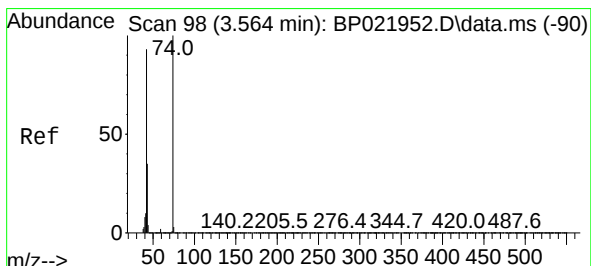
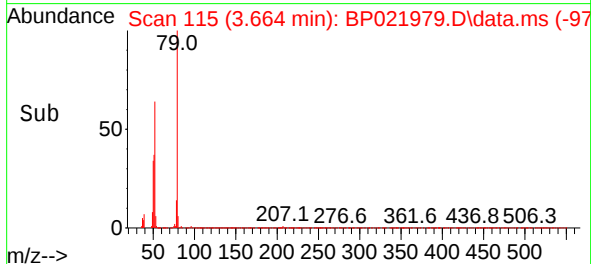
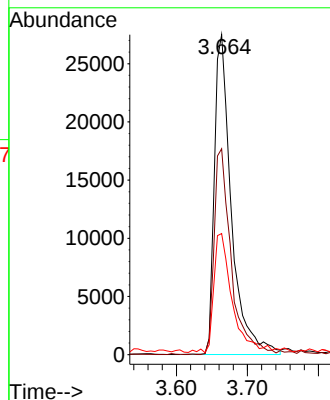
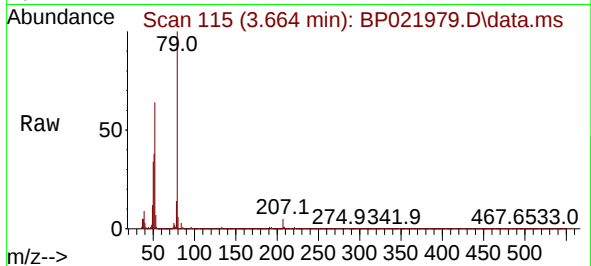




#3
Pyridine
Concen: 7.144 ng
RT: 3.664 min Scan# 114
Delta R.T. 0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

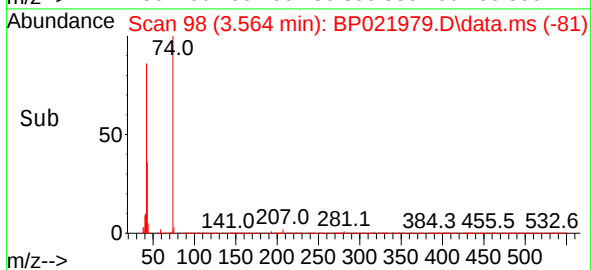
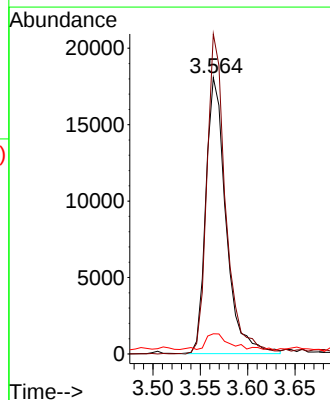
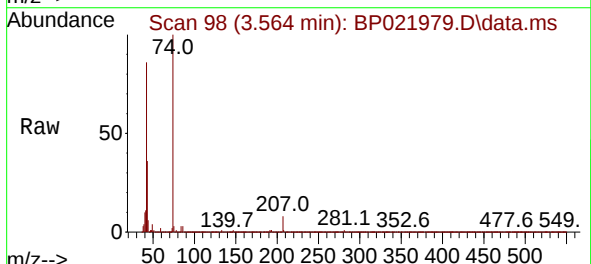
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ClientSampleId :
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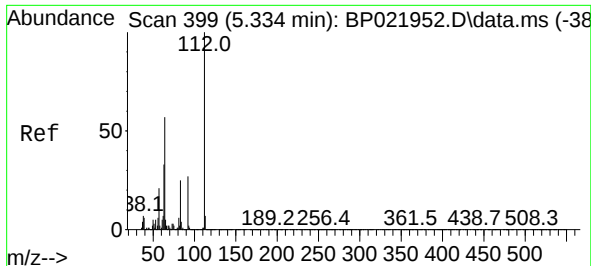
Tgt Ion: 79 Resp: 45682
Ion Ratio Lower Upper
79 100
52 64.4 50.3 75.5
51 37.9 30.9 46.3



#4
n-Nitrosodimethylamine
Concen: 7.935 ng
RT: 3.564 min Scan# 98
Delta R.T. 0.000 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion: 42 Resp: 26768
Ion Ratio Lower Upper
42 100
74 115.8 86.3 129.5
44 7.3 4.0 6.0

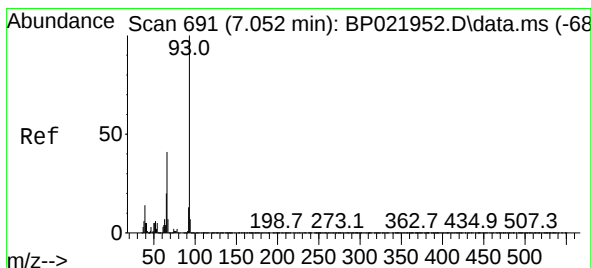
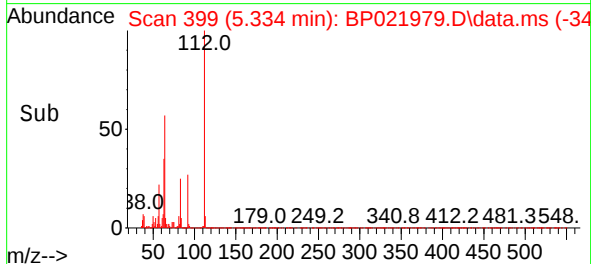
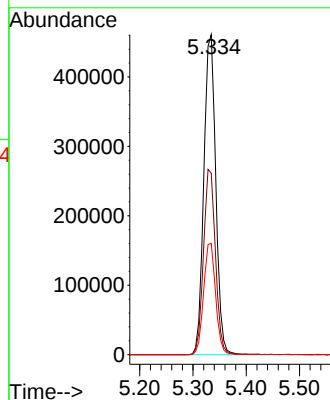
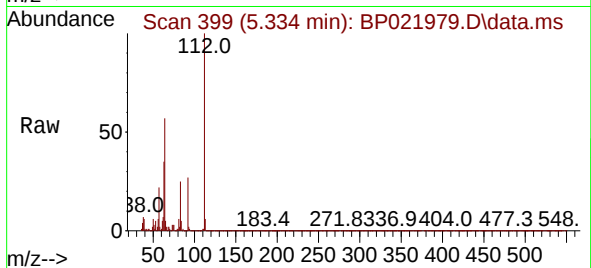




#5
2-Fluorophenol
Concen: 124.050 ng
RT: 5.334 min Scan# 399
Delta R.T. 0.000 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

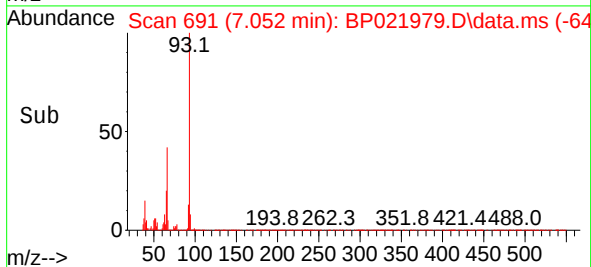
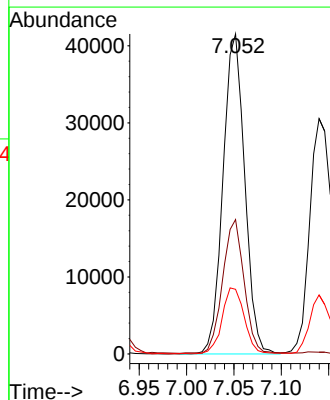
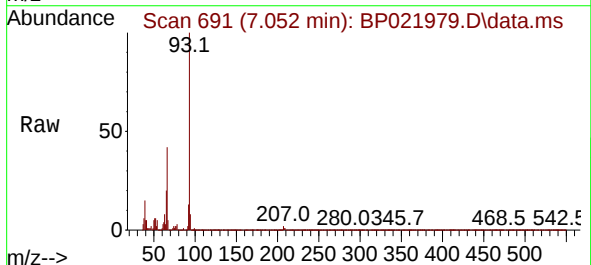
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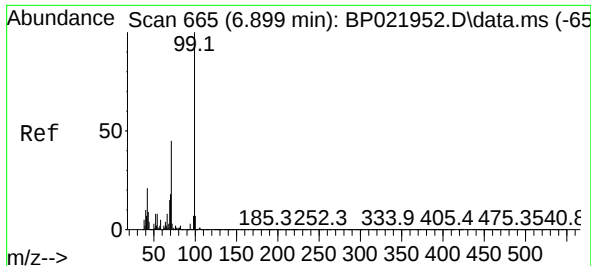
Tgt Ion:112 Resp: 716288
Ion Ratio Lower Upper
112 100
64 56.8 45.4 68.0
63 34.8 26.6 39.8



#6
Aniline
Concen: 10.048 ng
RT: 7.052 min Scan# 691
Delta R.T. 0.000 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion: 93 Resp: 66185
Ion Ratio Lower Upper
93 100
66 42.0 33.0 49.4
65 20.2 16.1 24.1





#7

Phenol-d6

Concen: 126.313 ng

RT: 6.893 min Scan# 6

Delta R.T. -0.006 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

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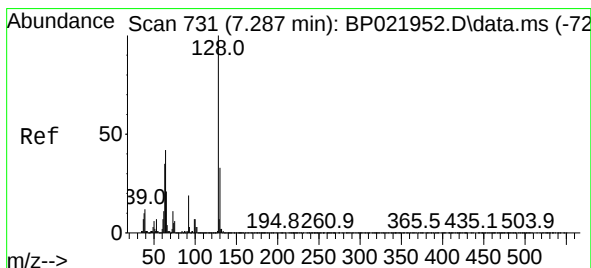
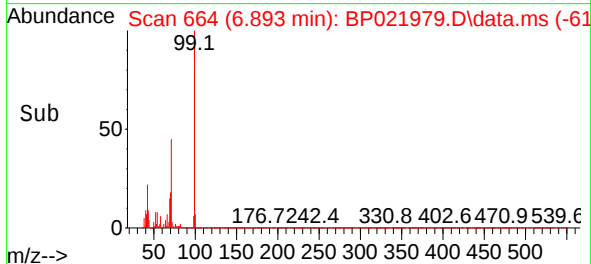
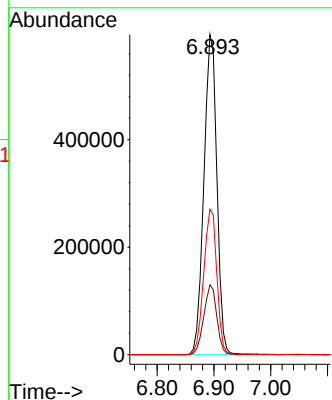
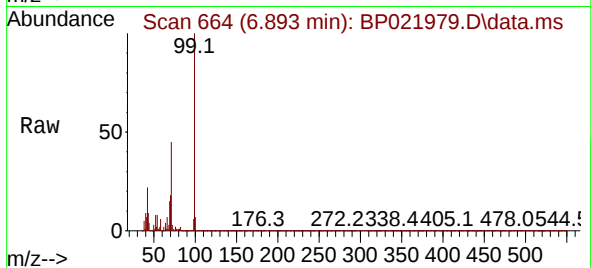
Tgt Ion: 99 Resp: 946838

Ion Ratio Lower Upper

99 100

42 21.8 16.8 25.2

71 45.5 35.8 53.6



#8

2-Chlorophenol

Concen: 8.658 ng

RT: 7.281 min Scan# 730

Delta R.T. -0.006 min

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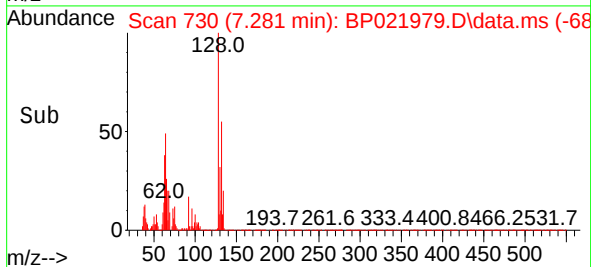
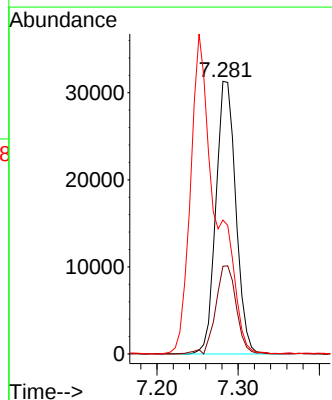
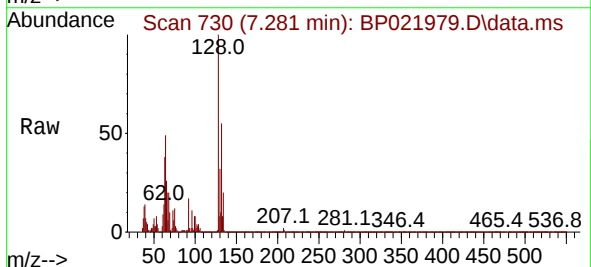
Tgt Ion:128 Resp: 53456

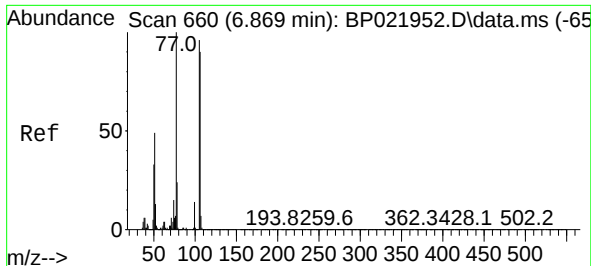
Ion Ratio Lower Upper

128 100

130 32.2 13.1 53.1

64 49.1 22.1 62.1

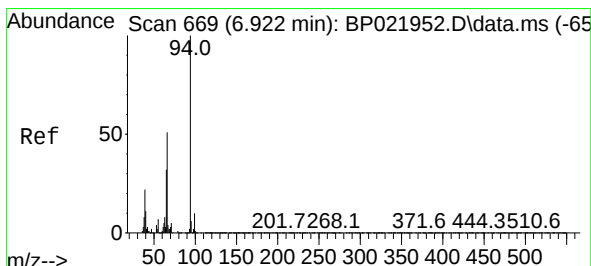
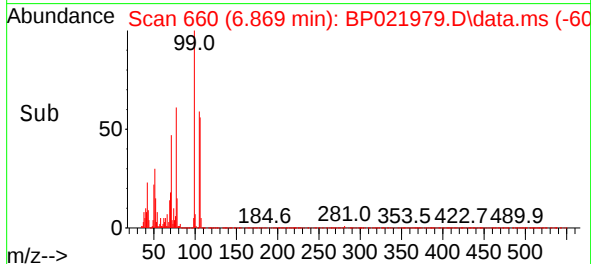
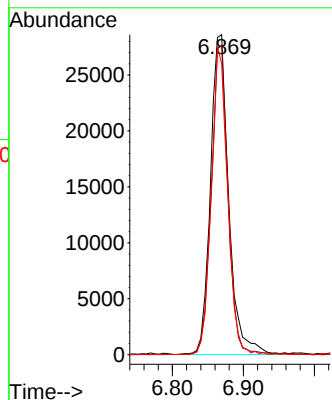
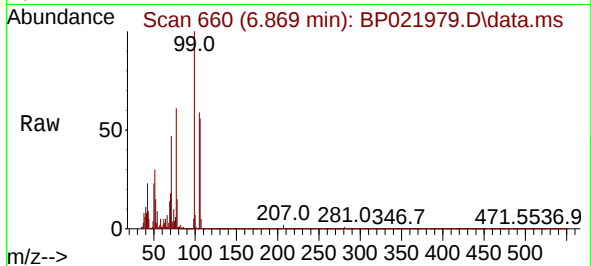




#9
Benzaldehyde
Concen: 12.991 ng
RT: 6.869 min Scan# 660
Delta R.T. 0.000 min
Lab File: BP021979.D
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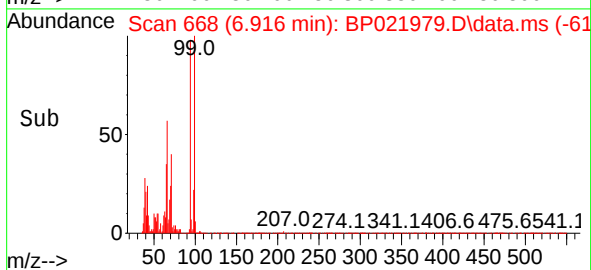
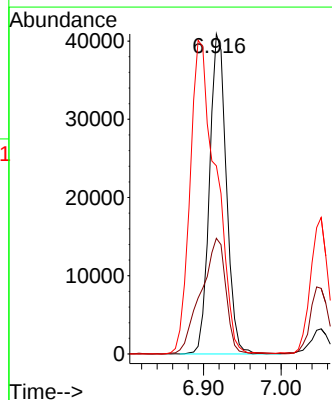
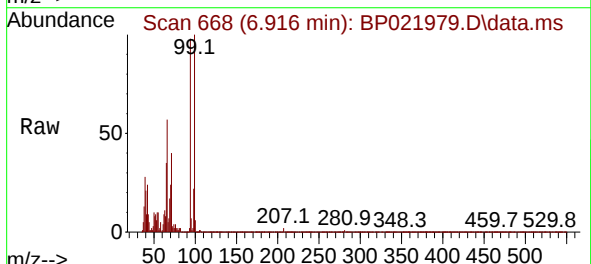
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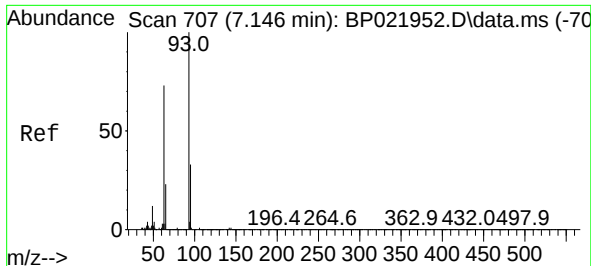
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Ion Ratio Lower Upper
77 100
105 96.6 76.1 116.1
106 91.0 69.9 109.9



#10
Phenol
Concen: 8.303 ng
RT: 6.916 min Scan# 668
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion: 94 Resp: 61819
Ion Ratio Lower Upper
94 100
65 36.1 12.5 52.5
66 58.8 31.2 71.2

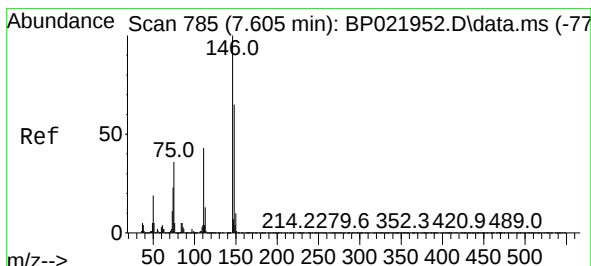
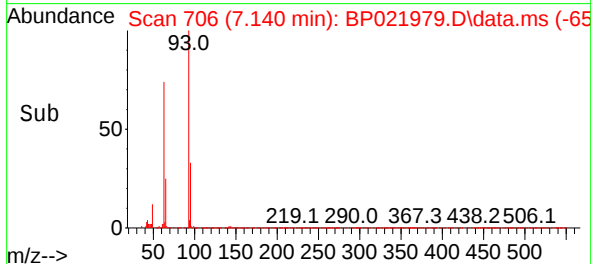
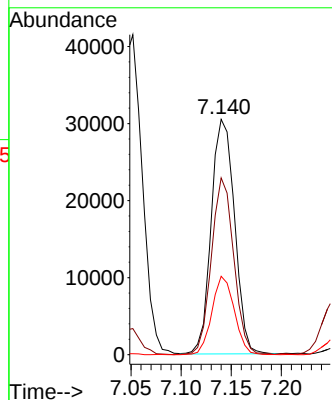
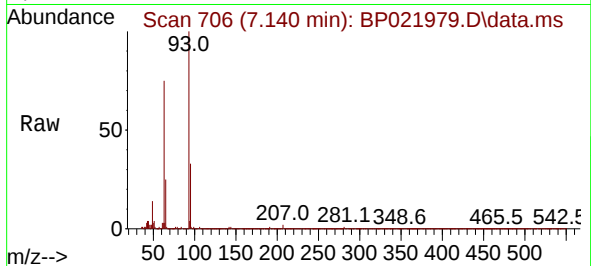




#11
bis(2-Chloroethyl)ether
Concen: 8.798 ng
RT: 7.140 min Scan# 707
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

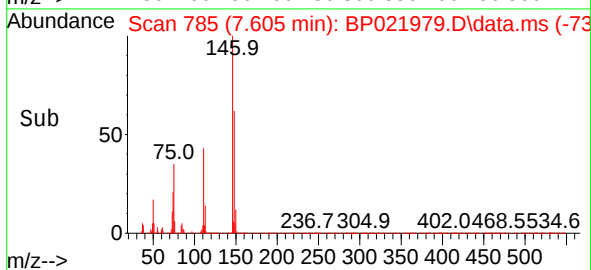
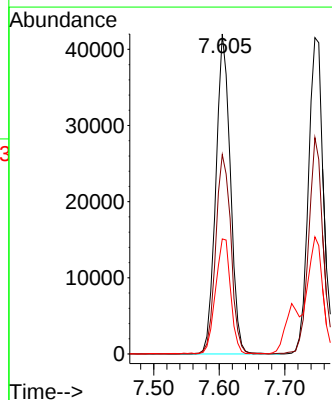
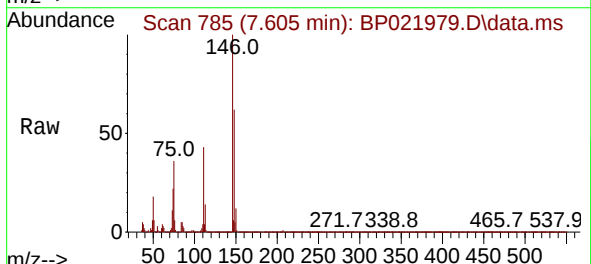
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

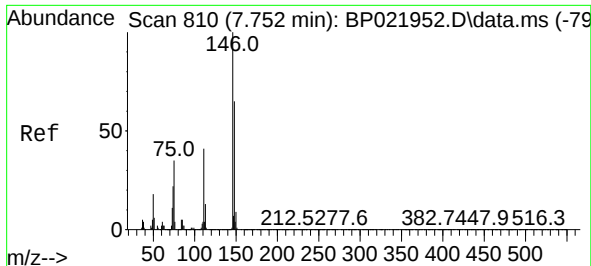
Tgt Ion:	93	Resp:	49343
Ion	Ratio	Lower	Upper
93	100		
63	75.1	53.0	93.0
95	33.3	12.4	52.4



#12
1,3-Dichlorobenzene
Concen: 8.274 ng
RT: 7.605 min Scan# 785
Delta R.T. 0.000 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion:	146	Resp:	64495
Ion	Ratio	Lower	Upper
146	100		
148	62.3	52.3	78.5
75	36.0	29.0	43.6





#13

1,4-Dichlorobenzene

Concen: 8.281 ng

RT: 7.746 min Scan# 809

Delta R.T. -0.006 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

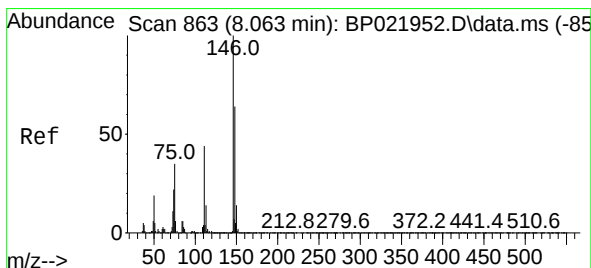
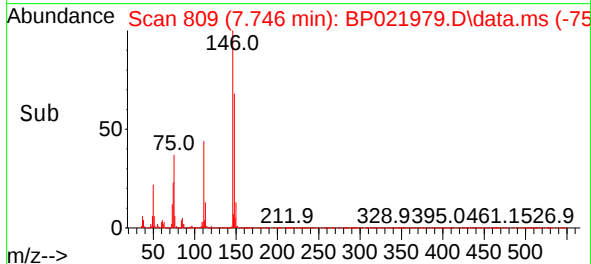
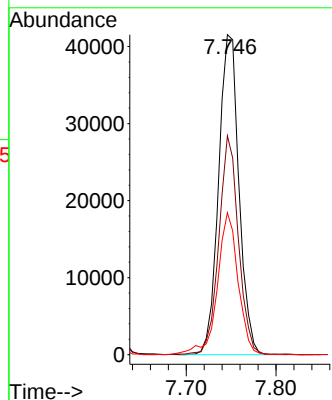
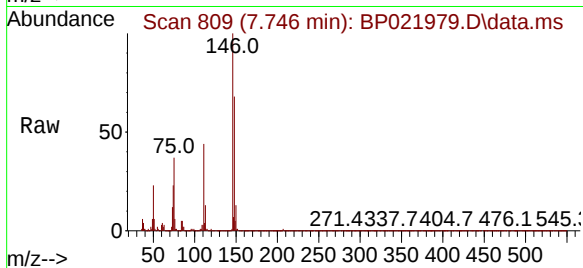
Tgt Ion:146 Resp: 65466

Ion Ratio Lower Upper

146 100

148 68.4 52.2 78.4

111 44.3 32.6 48.8



#14

1,2-Dichlorobenzene

Concen: 8.338 ng

RT: 8.058 min Scan# 862

Delta R.T. -0.006 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

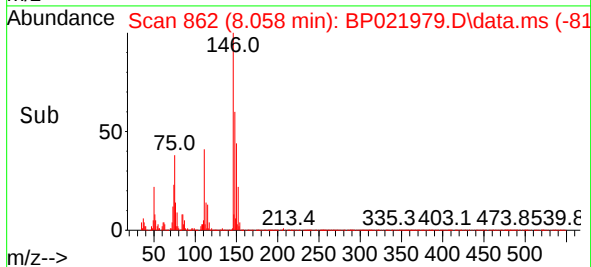
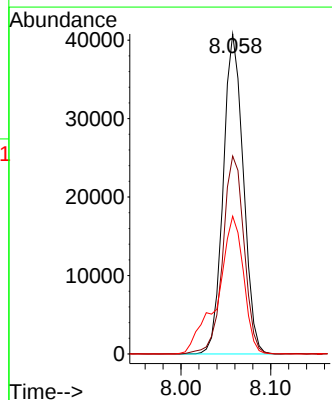
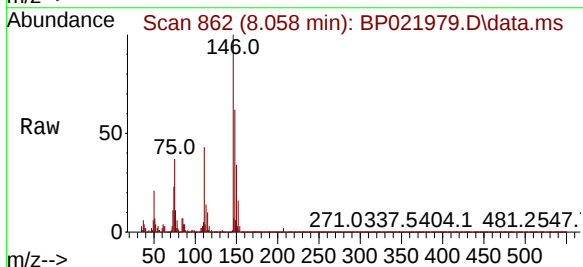
Tgt Ion:146 Resp: 63264

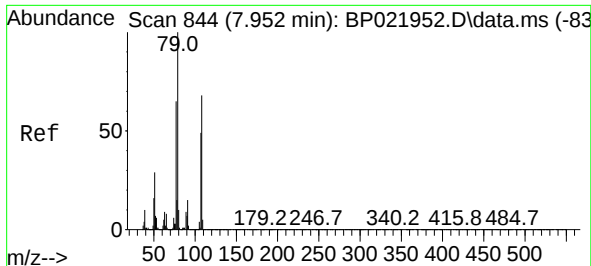
Ion Ratio Lower Upper

146 100

148 61.9 51.3 76.9

111 43.0 35.6 53.4

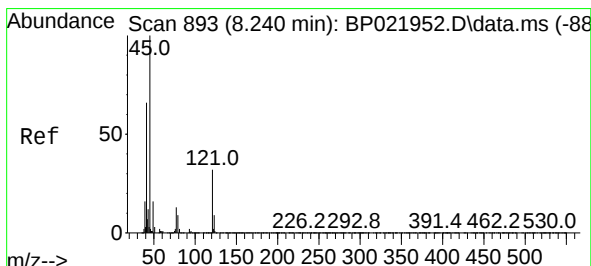
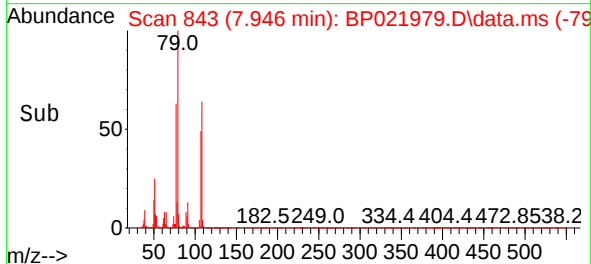
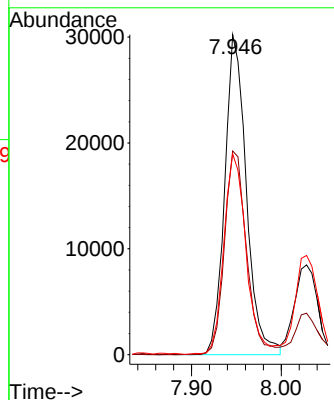
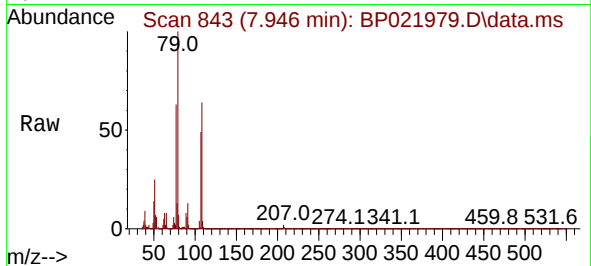




#15
Benzyl Alcohol
Concen: 8.785 ng
RT: 7.946 min Scan# 844
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

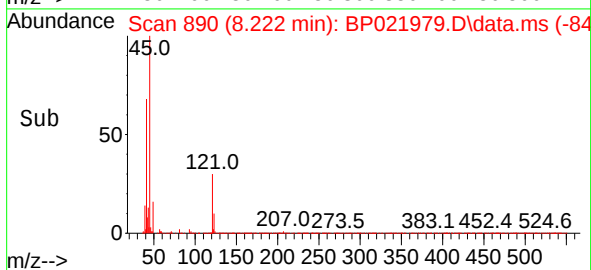
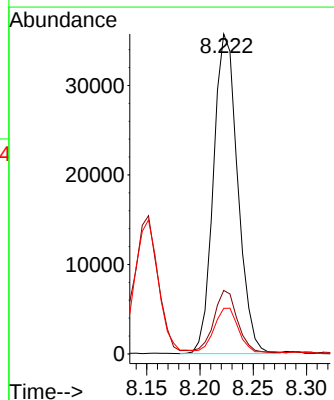
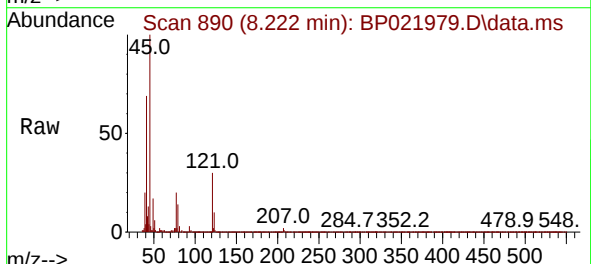
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

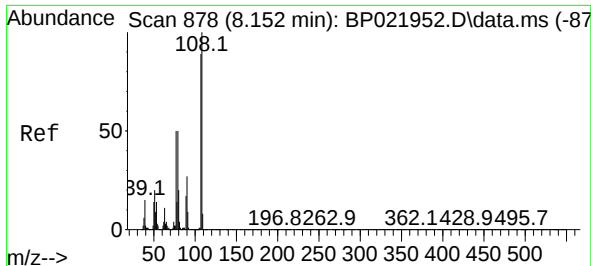
Tgt Ion: 79 Resp: 50505
Ion Ratio Lower Upper
79 100
108 63.6 54.7 82.1
77 62.7 51.8 77.8



#16
2,2'-oxybis(1-chloropropane)
Concen: 9.480 ng
RT: 8.222 min Scan# 890
Delta R.T. -0.018 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion: 45 Resp: 56707
Ion Ratio Lower Upper
45 100
77 19.9 0.0 39.5
79 14.2 0.0 34.9

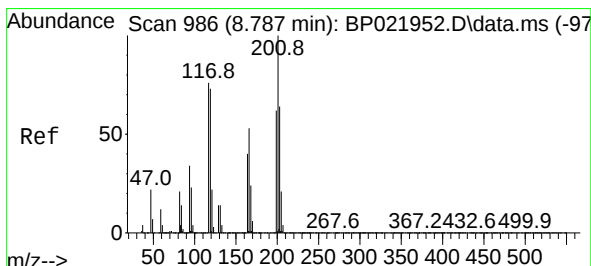
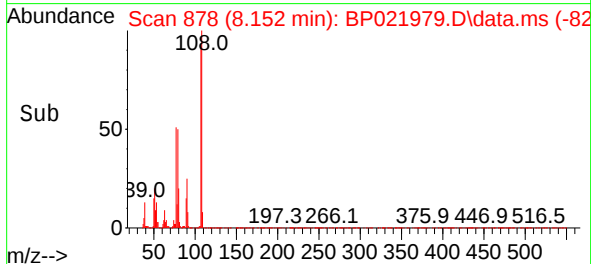
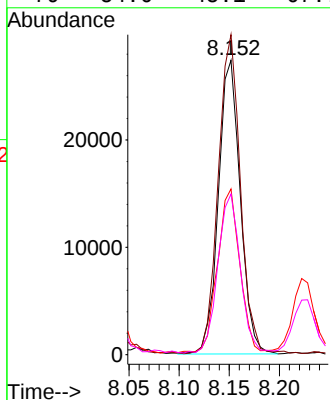
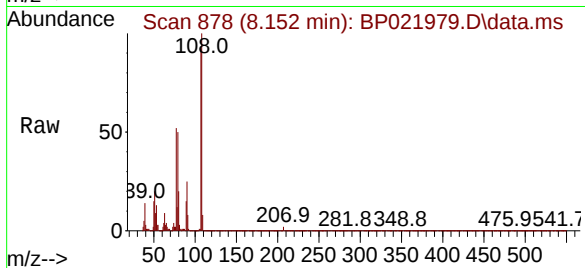




#17
2-Methylphenol
Concen: 8.266 ng
RT: 8.152 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

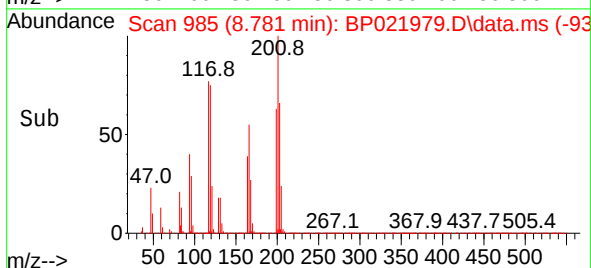
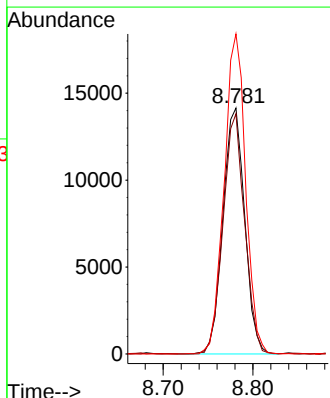
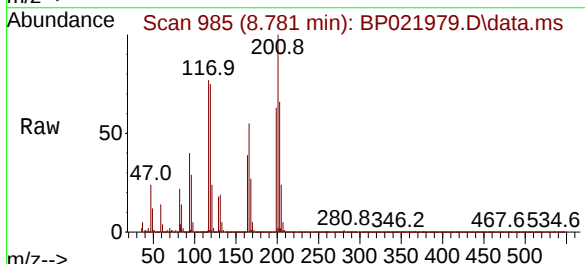
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

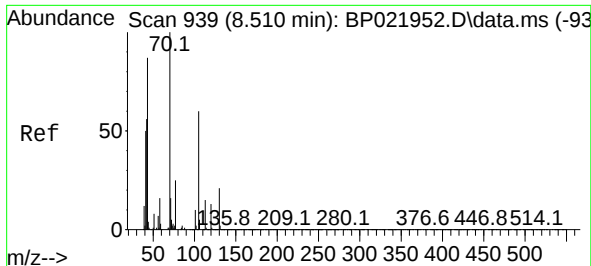
Tgt Ion:	107	Resp:	41573
Ion	Ratio	Lower	Upper
107	100		
108	108.7	90.3	135.5
77	56.3	45.1	67.7
79	54.6	45.1	67.7



#18
Hexachloroethane
Concen: 8.207 ng
RT: 8.781 min Scan# 985
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion:	117	Resp:	23856
Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.0	115.4
201	130.1	105.6	158.4

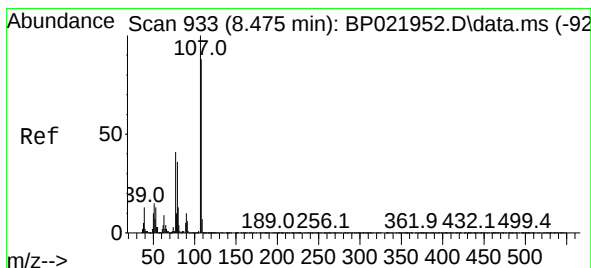
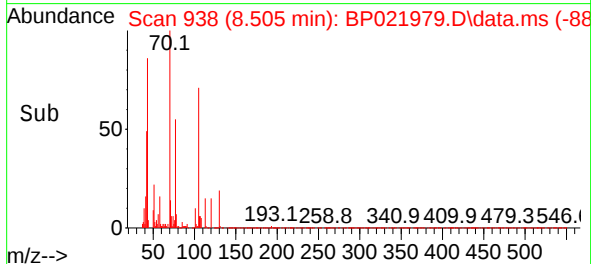
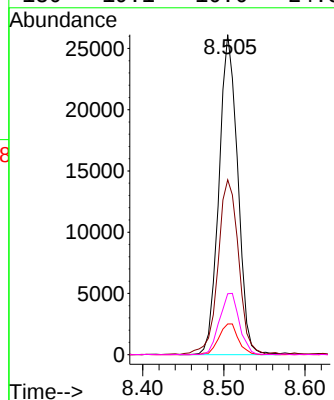
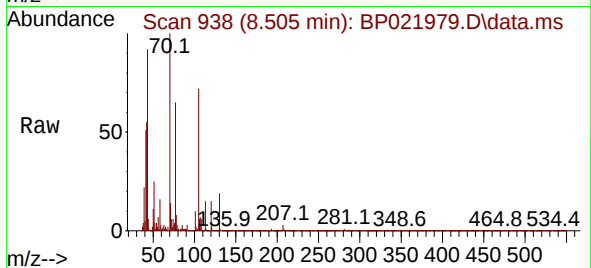




#19
n-Nitroso-di-n-propylamine
Concen: 9.017 ng
RT: 8.505 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

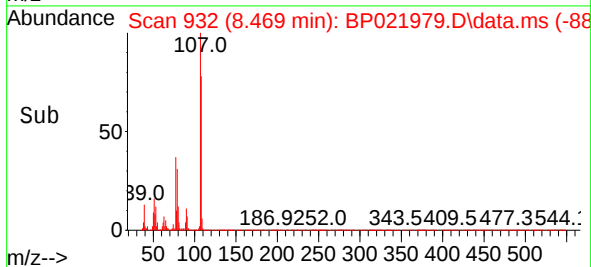
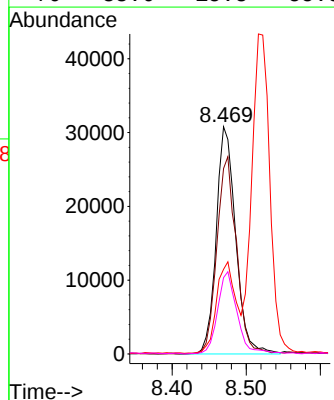
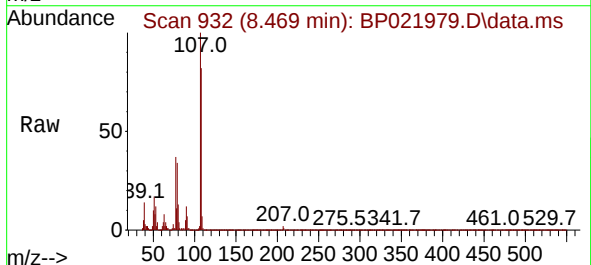
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

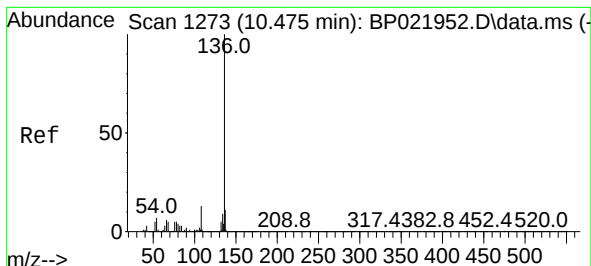
Tgt Ion:	70	Resp:	42011
Ion	Ratio	Lower	Upper
70	100		
42	54.6	45.2	67.8
101	9.6	7.8	11.6
130	19.1	16.6	24.8



#20
3+4-Methylphenols
Concen: 7.905 ng
RT: 8.469 min Scan# 932
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion:	107	Resp:	56126
Ion	Ratio	Lower	Upper
107	100		
108	81.6	68.3	108.3
77	37.2	20.6	60.6
79	33.6	15.8	55.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.475 min Scan# 1273

Delta R.T. 0.000 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:136 Resp: 425632

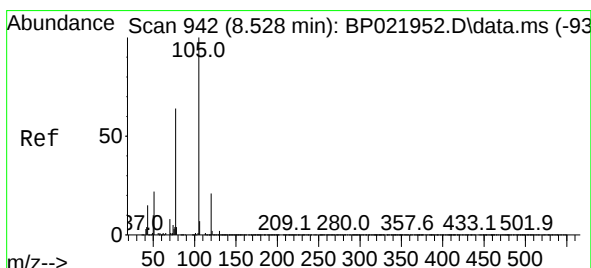
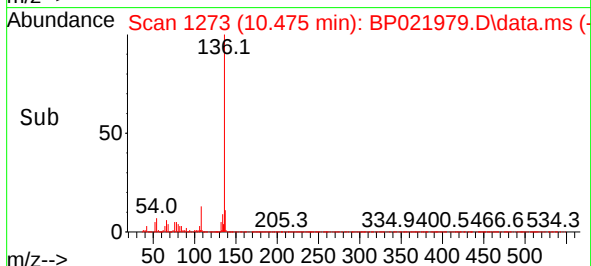
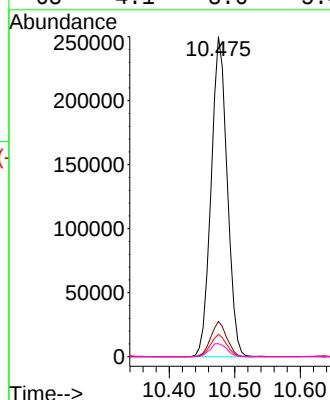
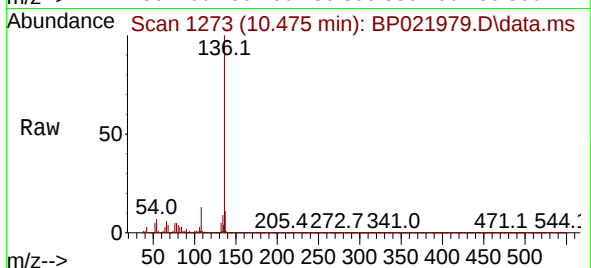
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.0 5.5 8.3

68 4.1 3.6 5.4



#22

Acetophenone

Concen: 8.759 ng

RT: 8.522 min Scan# 941

Delta R.T. -0.006 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Tgt Ion:105 Resp: 90949

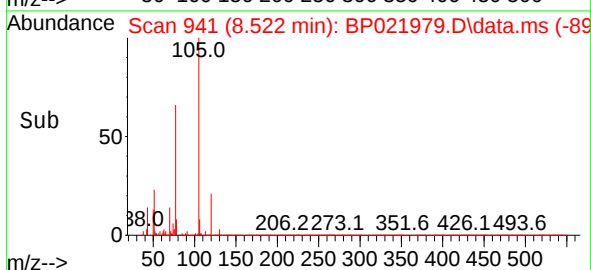
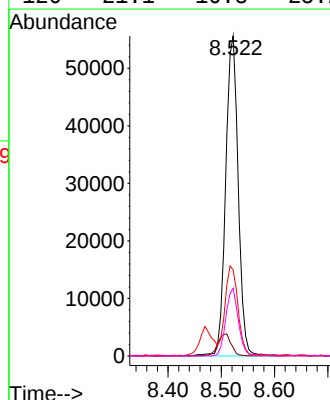
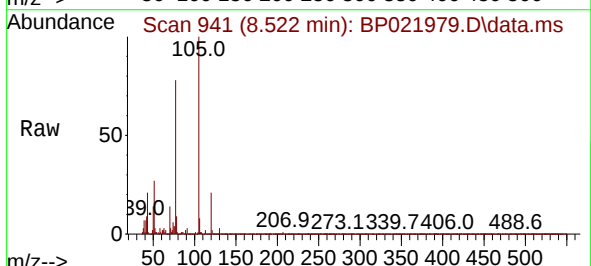
Ion Ratio Lower Upper

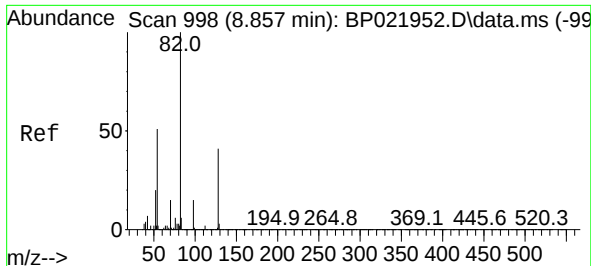
105 100

71 2.7 1.4 2.0#

51 26.8 22.1 33.1

120 21.1 16.8 25.2





#23

Nitrobenzene-d5

Concen: 91.189 ng

RT: 8.852 min Scan# 91

Delta R.T. -0.006 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

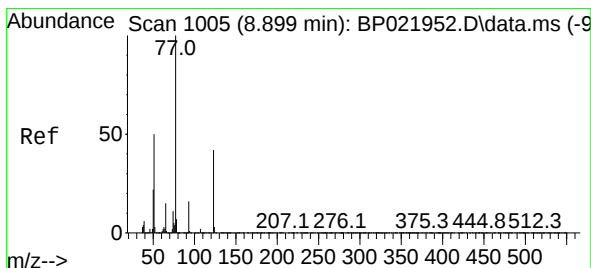
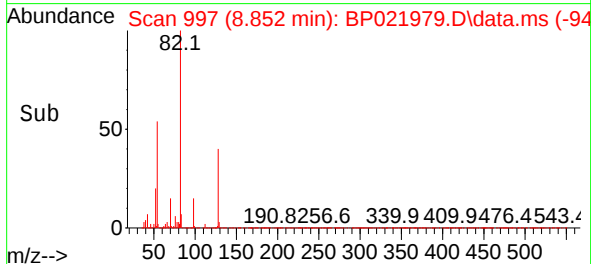
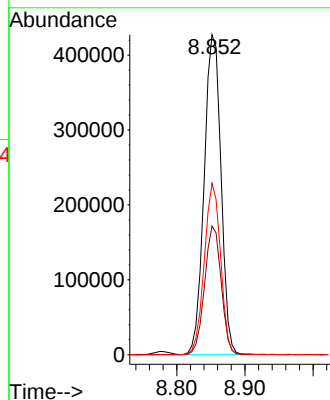
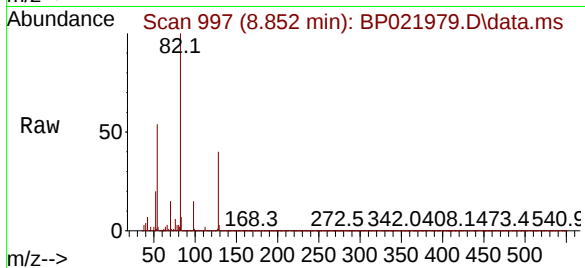
Tgt Ion: 82 Resp: 733517

Ion Ratio Lower Upper

82 100

128 40.2 33.1 49.7

54 53.6 40.3 60.5



#24

Nitrobenzene

Concen: 8.492 ng

RT: 8.893 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

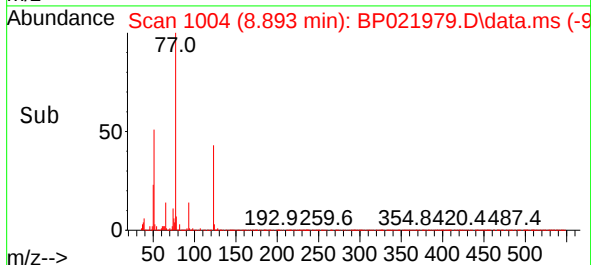
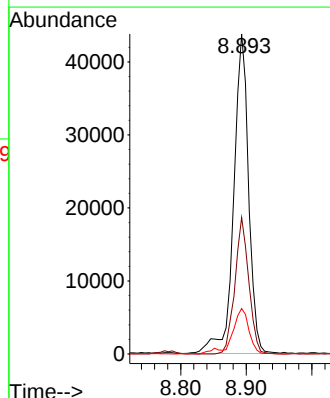
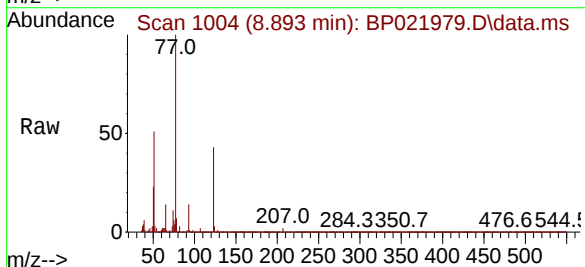
Tgt Ion: 77 Resp: 69371

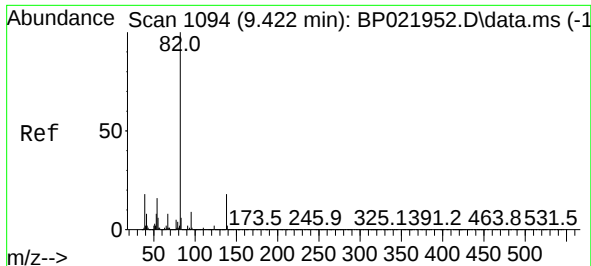
Ion Ratio Lower Upper

77 100

123 42.7 33.9 50.9

65 14.2 12.0 18.0

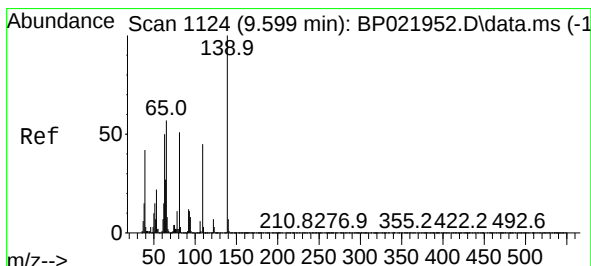
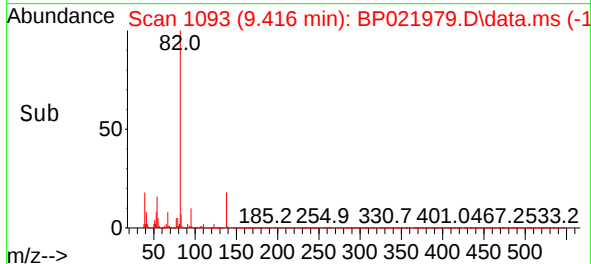
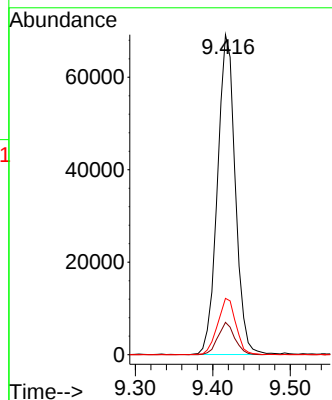
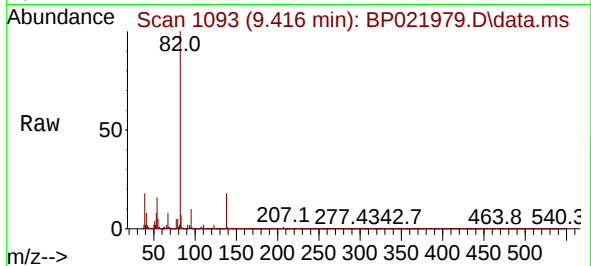




#25
Isophorone
Concen: 8.350 ng
RT: 9.416 min Scan# 1093
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

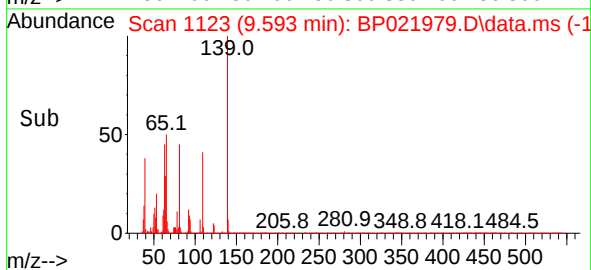
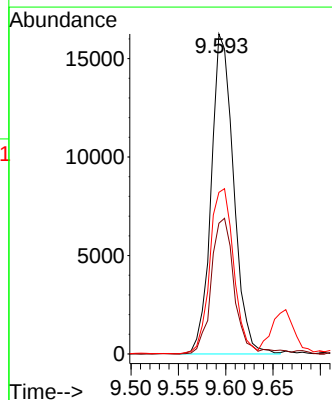
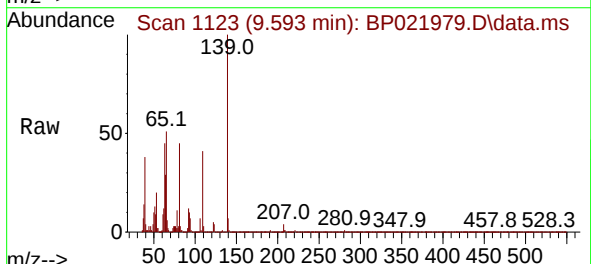
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

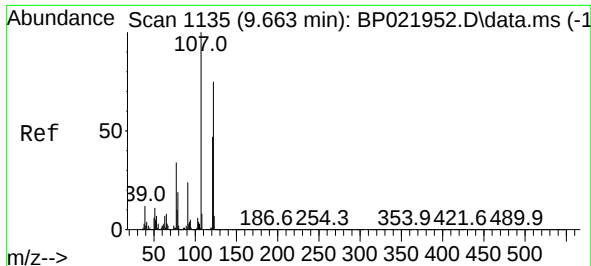
Tgt Ion: 82 Resp: 110731
Ion Ratio Lower Upper
82 100
95 10.1 7.0 10.6
138 17.6 14.6 21.8



#26
2-Nitrophenol
Concen: 7.488 ng
RT: 9.593 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion: 139 Resp: 26744
Ion Ratio Lower Upper
139 100
109 40.9 36.0 54.0
65 50.5 45.7 68.5

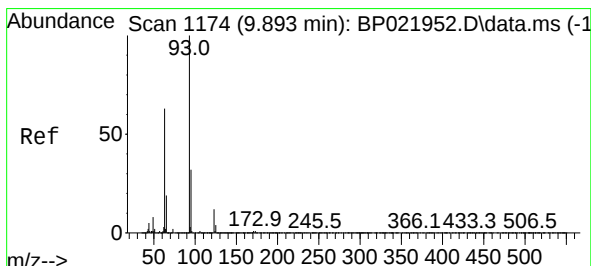
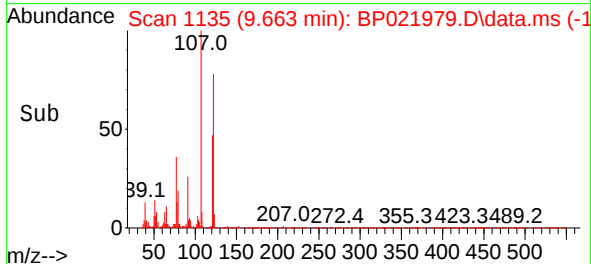
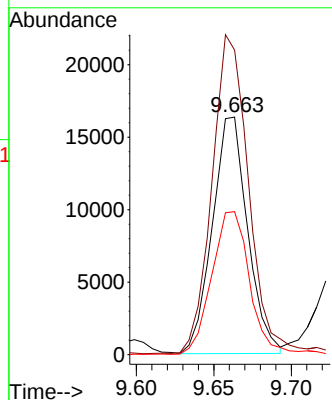
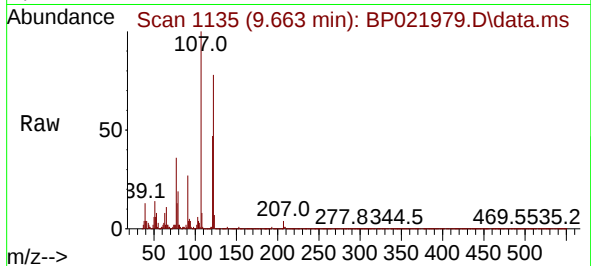




#27
2,4-Dimethylphenol
Concen: 6.250 ng
RT: 9.663 min Scan# 1135
Delta R.T. 0.000 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

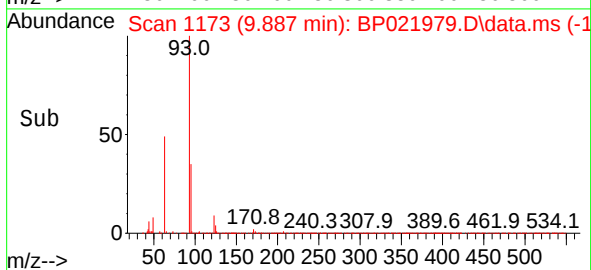
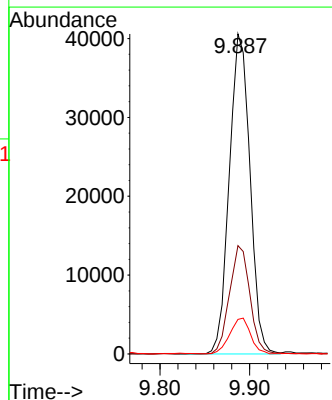
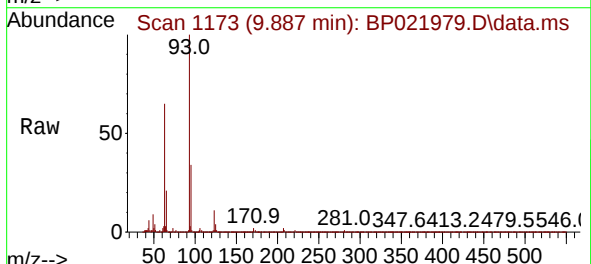
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

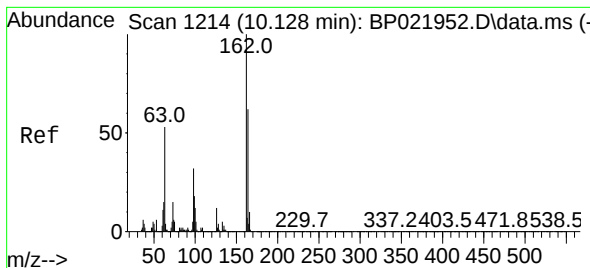
Tgt Ion:122 Resp: 25850
Ion Ratio Lower Upper
122 100
107 128.2 106.1 159.1
121 60.2 49.6 74.4



#28
bis(2-Chloroethoxy)methane
Concen: 8.164 ng
RT: 9.887 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion: 93 Resp: 64917
Ion Ratio Lower Upper
93 100
95 33.9 25.7 38.5
123 10.8 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 7.670 ng

RT: 10.128 min Scan# 1214

Delta R.T. 0.000 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

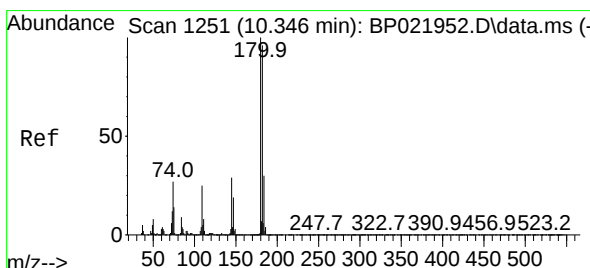
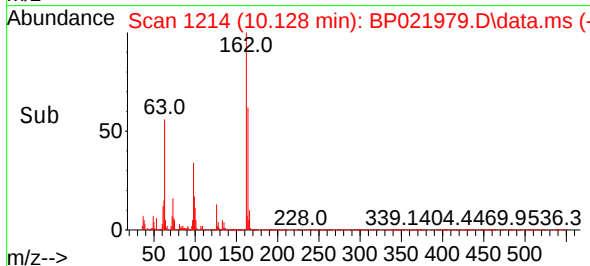
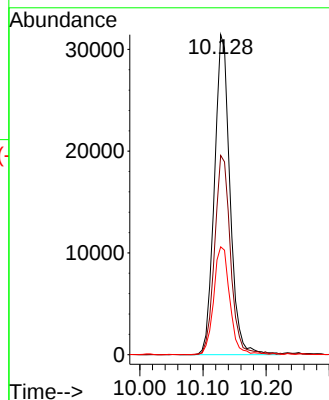
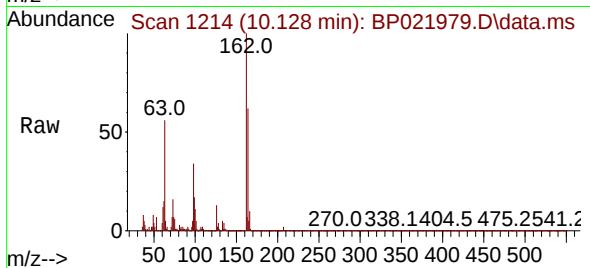
Tgt Ion:162 Resp: 53840

Ion Ratio Lower Upper

162 100

164 62.3 41.7 81.7

98 33.7 12.4 52.4



#30

1,2,4-Trichlorobenzene

Concen: 7.845 ng

RT: 10.340 min Scan# 1250

Delta R.T. -0.006 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

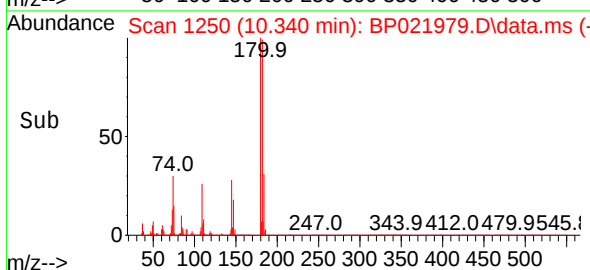
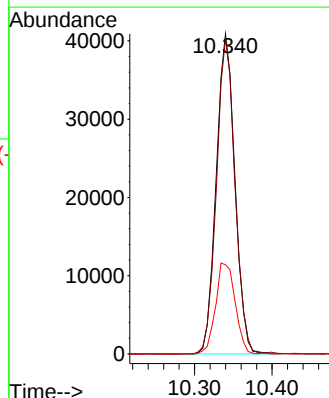
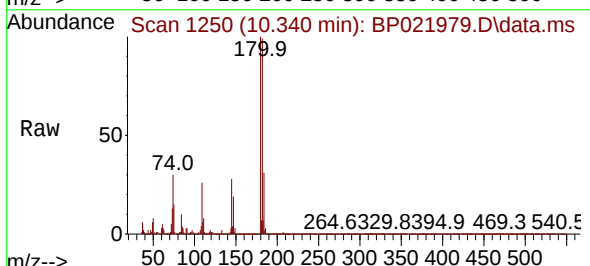
Tgt Ion:180 Resp: 68597

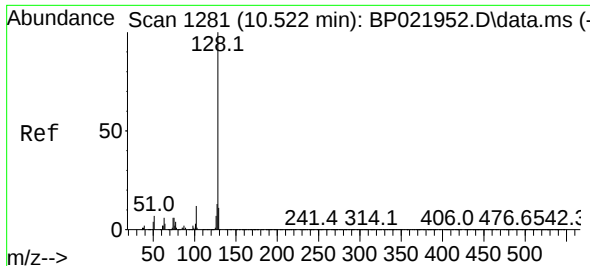
Ion Ratio Lower Upper

180 100

182 98.6 77.0 115.4

145 27.9 23.0 34.6

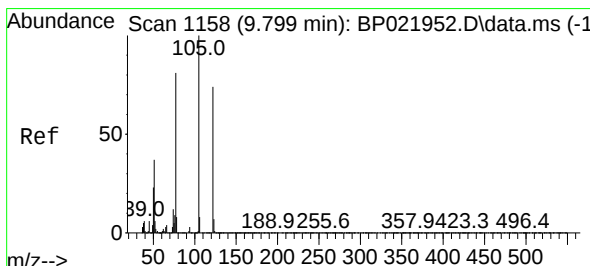
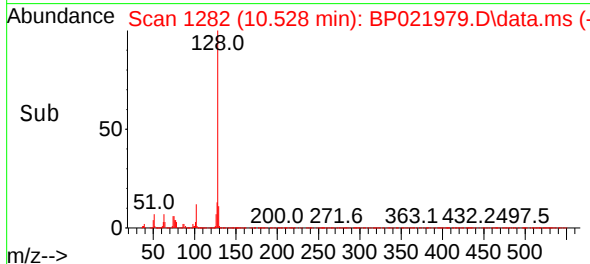
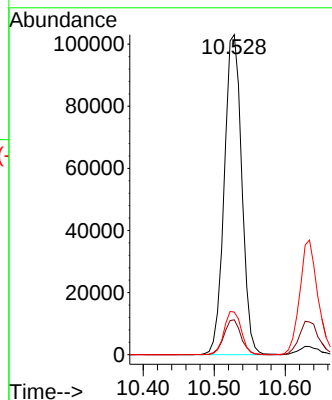
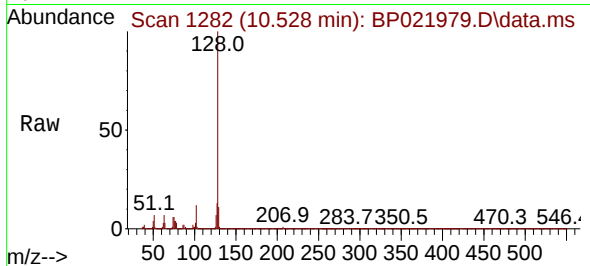




#31
Naphthalene
Concen: 8.255 ng
RT: 10.528 min Scan# 1149
Delta R.T. 0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

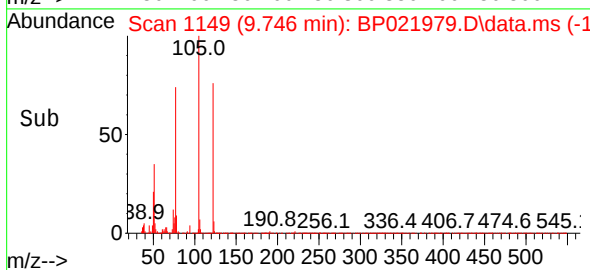
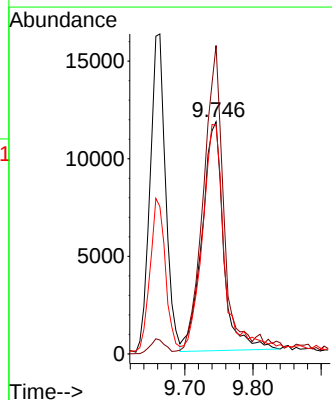
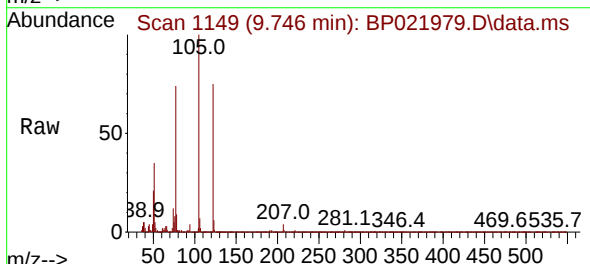
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

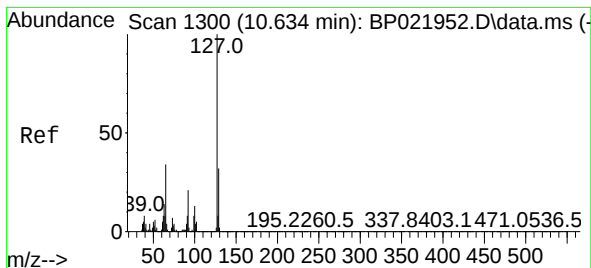
Tgt Ion:128 Resp: 175325
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 13.3 10.6 15.8



#32
Benzoic acid
Concen: 5.319 ng
RT: 9.746 min Scan# 1149
Delta R.T. -0.053 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion:122 Resp: 25719
Ion Ratio Lower Upper
122 100
105 132.8 111.3 151.3
77 98.5 86.7 126.7





#33

4-Chloroaniline

Concen: 8.708 ng

RT: 10.634 min Scan# 1300

Delta R.T. 0.000 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:127 Resp: 66712

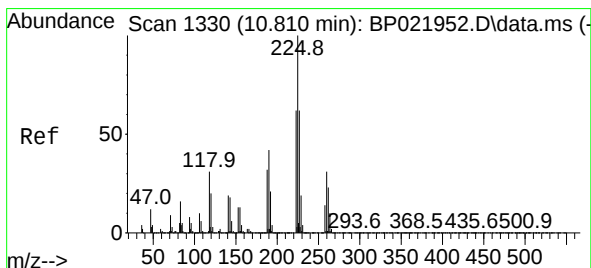
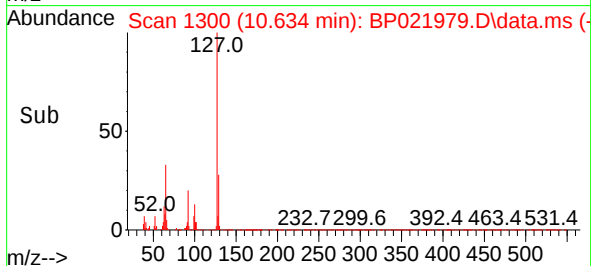
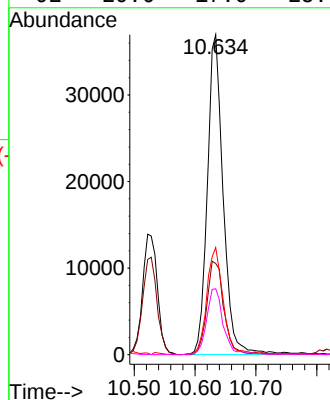
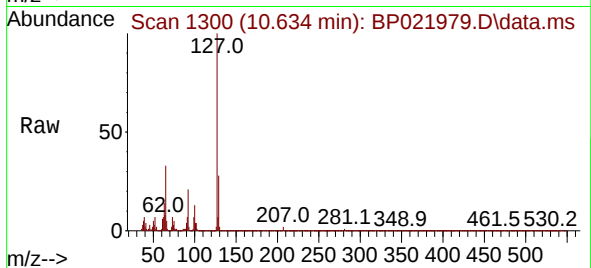
Ion Ratio Lower Upper

127 100

129 28.5 25.4 38.0

65 33.4 27.4 41.2

92 20.6 17.0 25.4



#34

Hexachlorobutadiene

Concen: 7.595 ng

RT: 10.816 min Scan# 1331

Delta R.T. 0.006 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

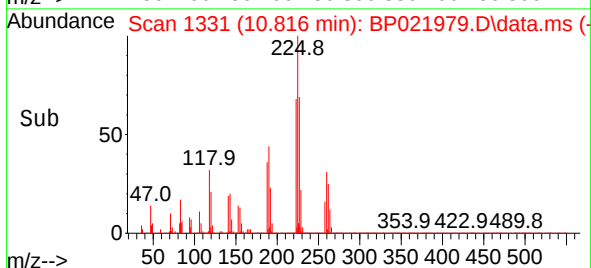
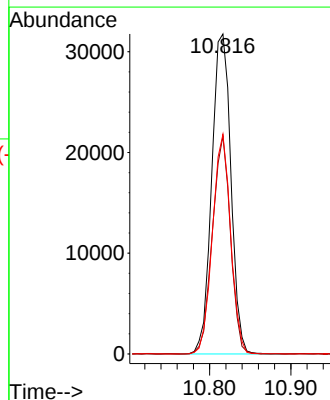
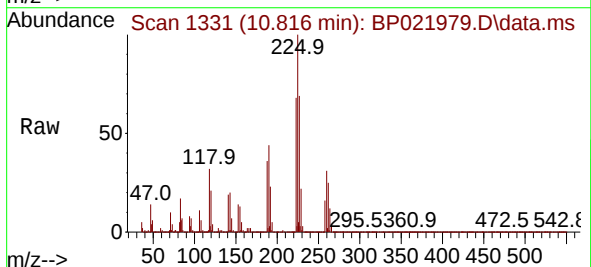
Tgt Ion:225 Resp: 51953

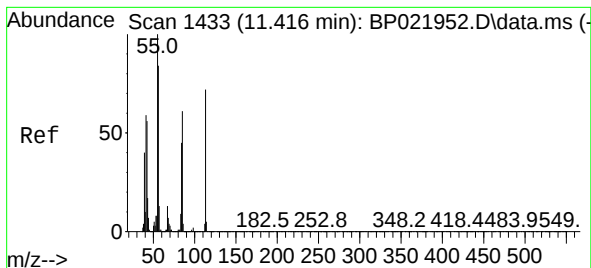
Ion Ratio Lower Upper

225 100

223 68.1 50.0 75.0

227 68.6 49.7 74.5





#35

Caprolactam

Concen: 7.203 ng

RT: 11.404 min Scan# 1433

Delta R.T. -0.012 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

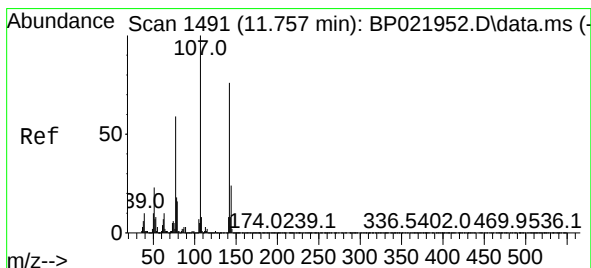
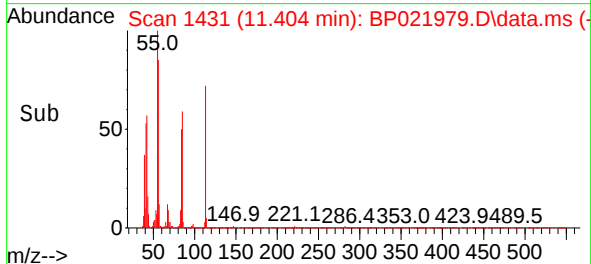
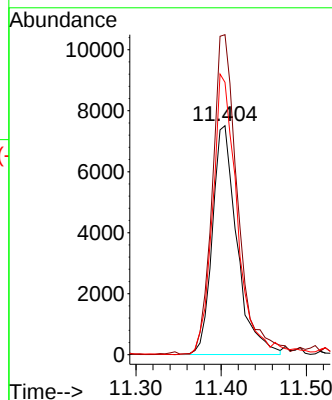
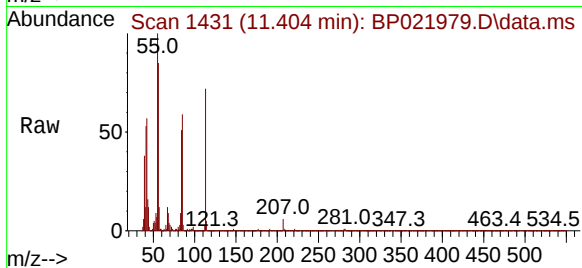
Tgt Ion:113 Resp: 15049

Ion Ratio Lower Upper

113 100

55 139.8 119.4 159.4

56 118.9 97.1 137.1



#36

4-Chloro-3-methylphenol

Concen: 7.501 ng

RT: 11.752 min Scan# 1490

Delta R.T. -0.006 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

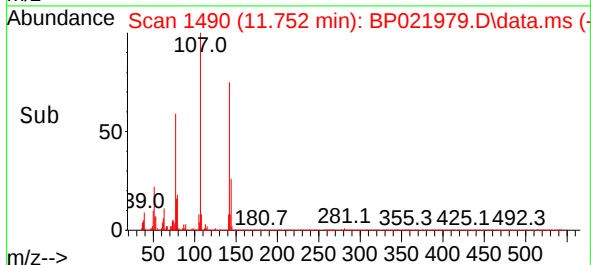
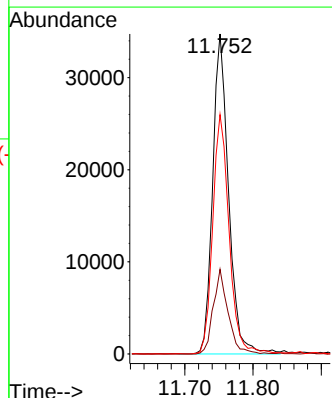
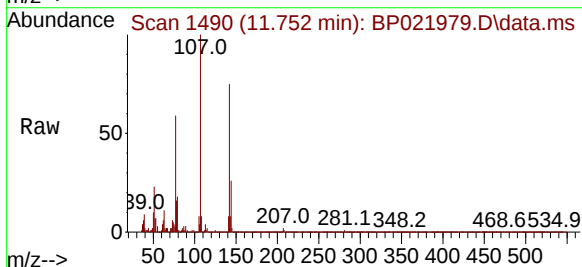
Tgt Ion:107 Resp: 56494

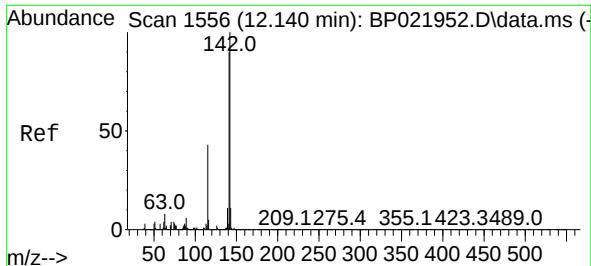
Ion Ratio Lower Upper

107 100

144 26.5 19.0 28.4

142 74.8 60.4 90.6

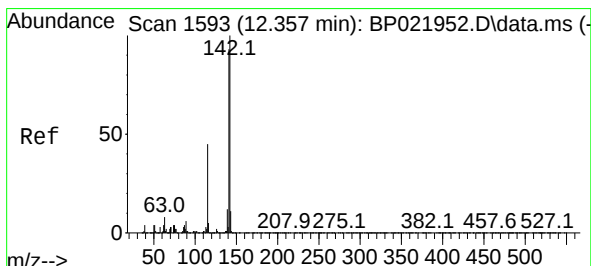
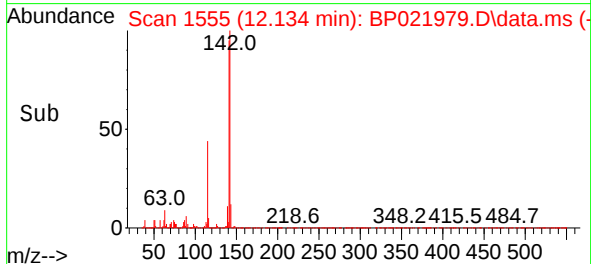
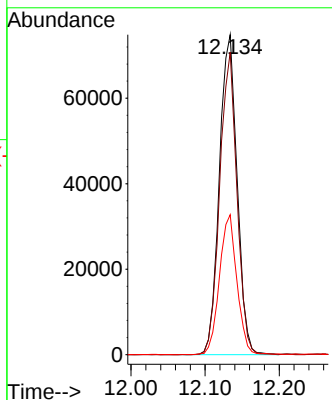
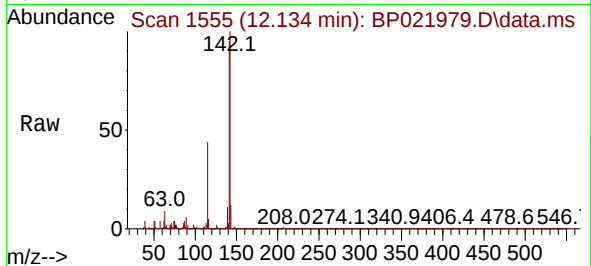




#37
2-Methylnaphthalene
Concen: 8.017 ng
RT: 12.134 min Scan# 1555
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

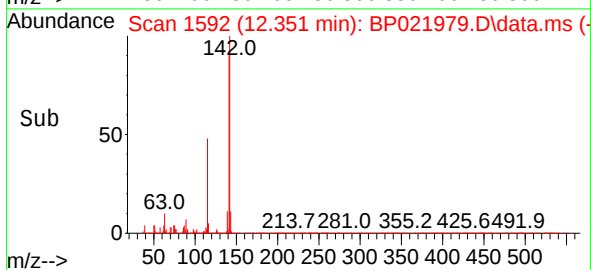
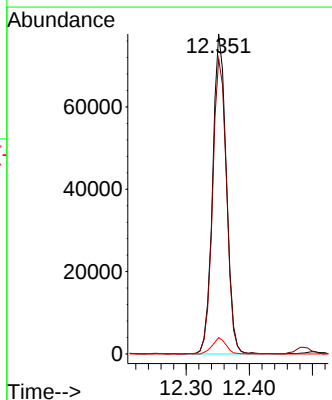
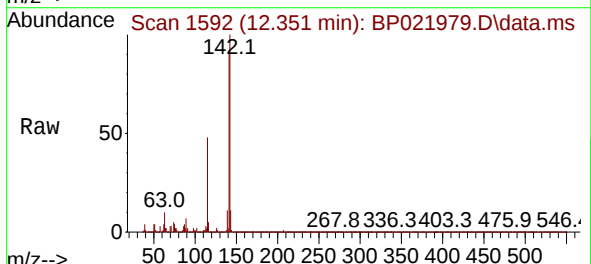
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

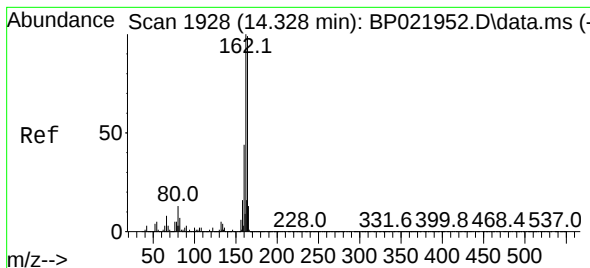
Tgt Ion:142 Resp: 124565
Ion Ratio Lower Upper
142 100
141 94.5 71.7 107.5
115 43.7 34.6 51.8



#38
1-Methylnaphthalene
Concen: 7.638 ng
RT: 12.351 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion:142 Resp: 117178
Ion Ratio Lower Upper
142 100
141 92.2 74.1 111.1
116 5.1 3.8 5.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.322 min Scan# 1928

Delta R.T. -0.006 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

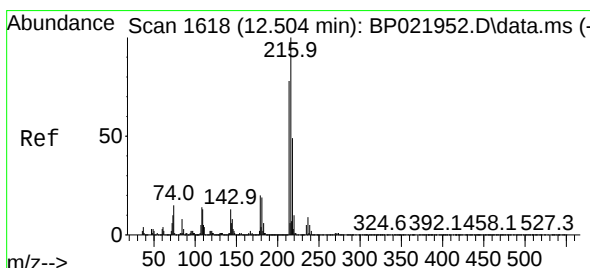
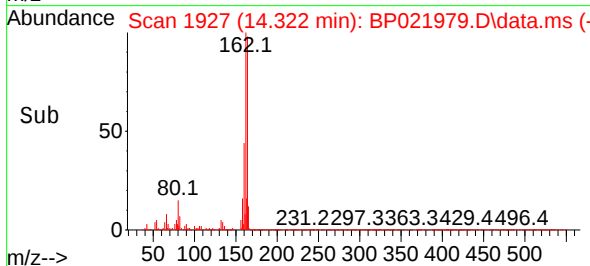
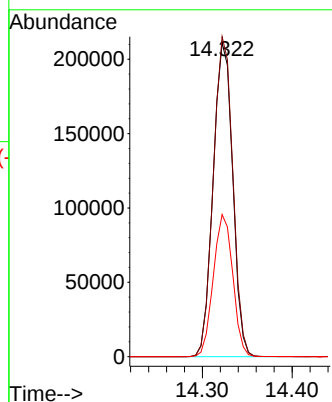
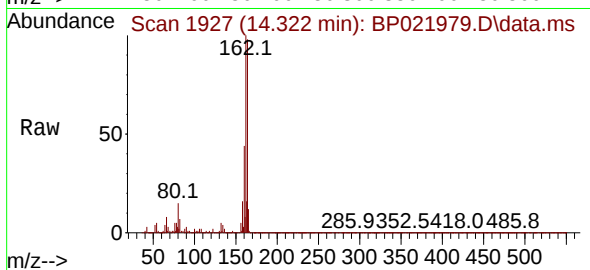
Tgt Ion:164 Resp: 319143

Ion Ratio Lower Upper

164 100

162 101.9 81.2 121.8

160 45.3 35.9 53.9



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.229 ng

RT: 12.504 min Scan# 1618

Delta R.T. 0.000 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Tgt Ion:216 Resp: 91883

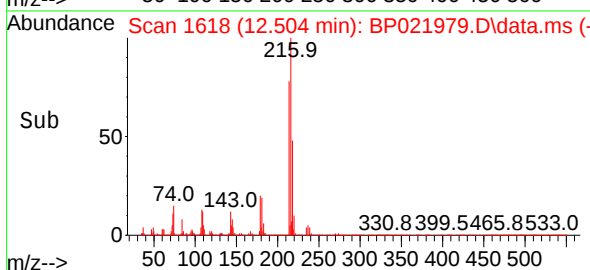
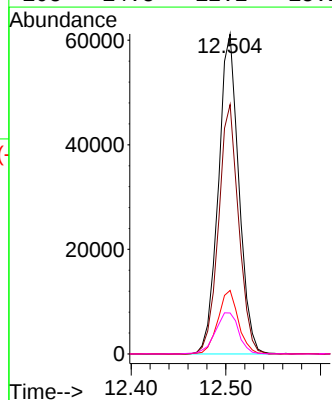
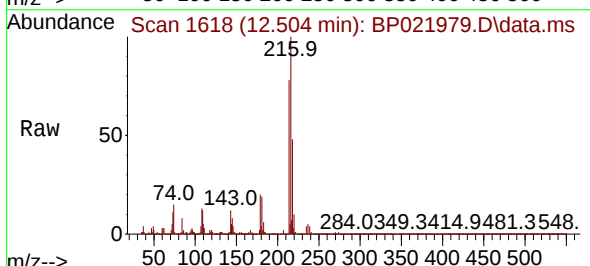
Ion Ratio Lower Upper

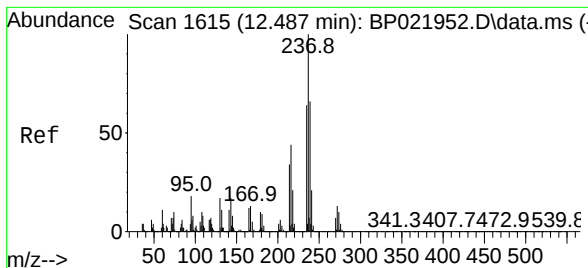
216 100

214 76.6 62.8 94.2

179 19.9 16.4 24.6

108 14.8 12.2 18.2





#41

Hexachlorocyclopentadiene

Concen: 6.470 ng

RT: 12.487 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

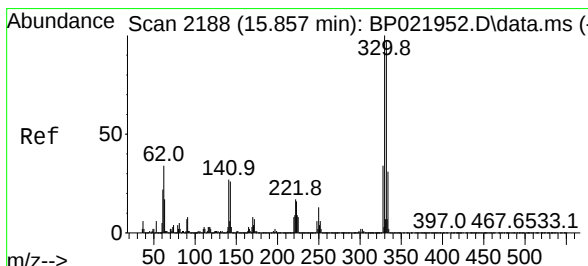
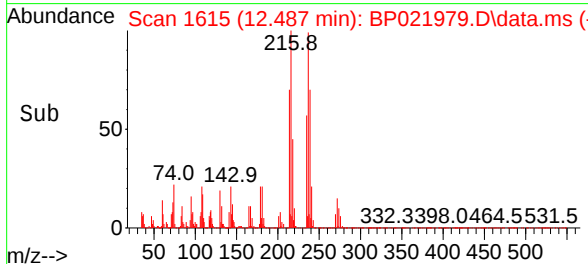
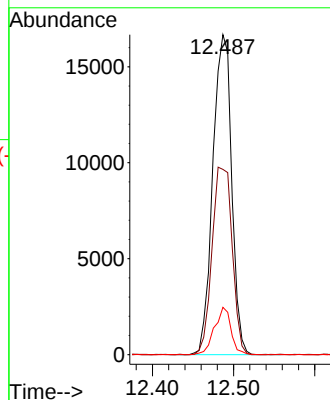
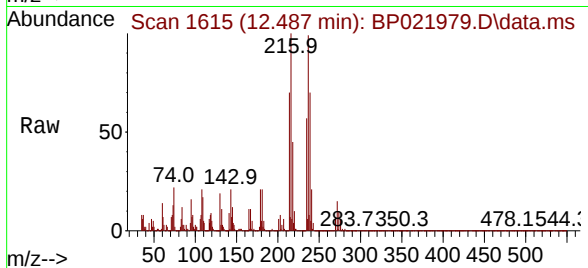
Tgt Ion:237 Resp: 26840

Ion Ratio Lower Upper

237 100

235 57.9 44.1 84.1

272 14.8 0.0 33.1



#42

2,4,6-Tribromophenol

Concen: 135.623 ng

RT: 15.834 min Scan# 2184

Delta R.T. -0.023 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

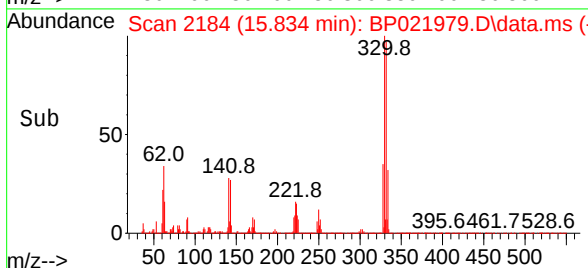
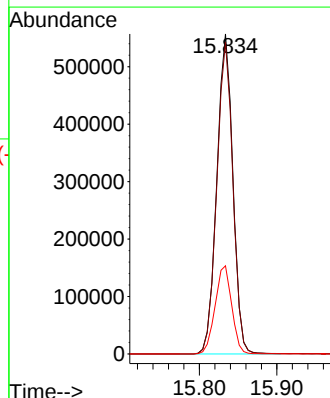
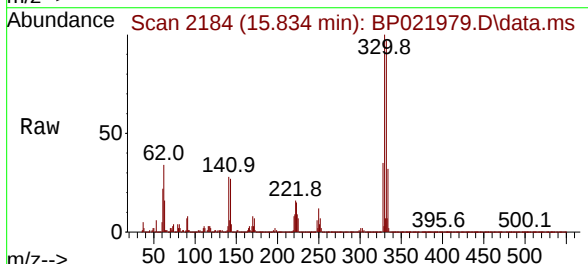
Tgt Ion:330 Resp: 802420

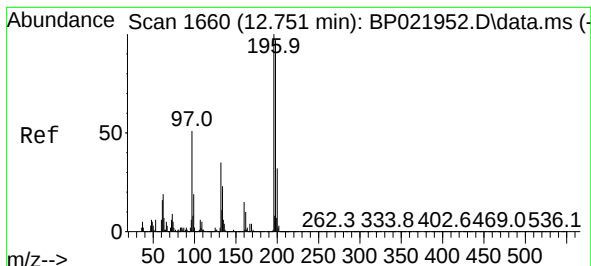
Ion Ratio Lower Upper

330 100

332 97.4 77.5 116.3

141 28.5 23.4 35.0





#43

2,4,6-Trichlorophenol

Concen: 7.539 ng

RT: 12.746 min Scan# 1659

Delta R.T. -0.006 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

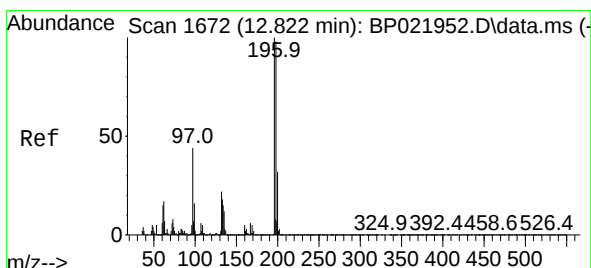
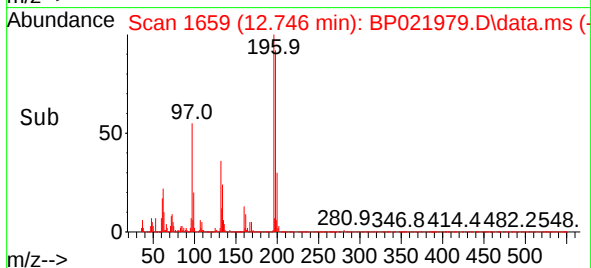
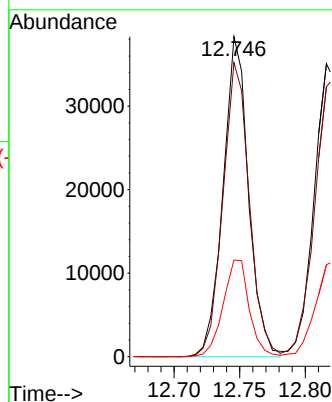
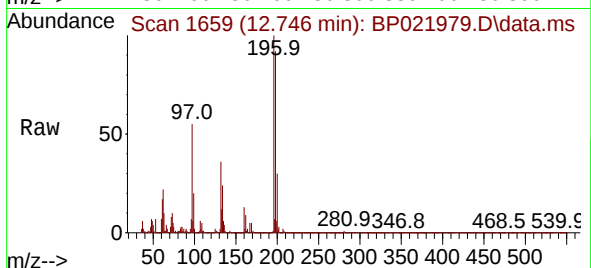
Tgt Ion:196 Resp: 51668

Ion Ratio Lower Upper

196 100

198 91.9 77.6 116.4

200 30.2 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 7.318 ng

RT: 12.816 min Scan# 1671

Delta R.T. -0.006 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Tgt Ion:196 Resp: 56263

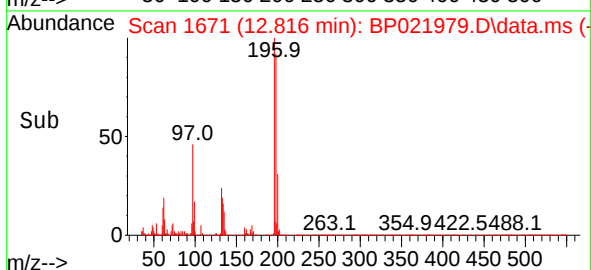
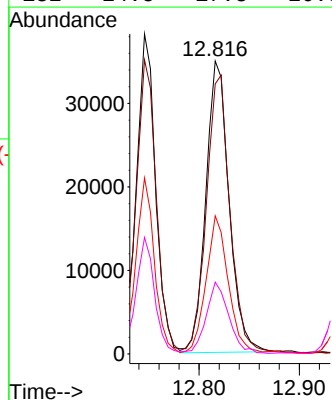
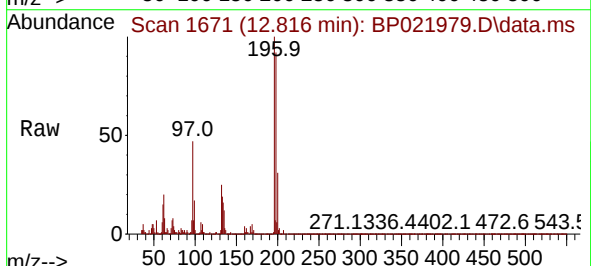
Ion Ratio Lower Upper

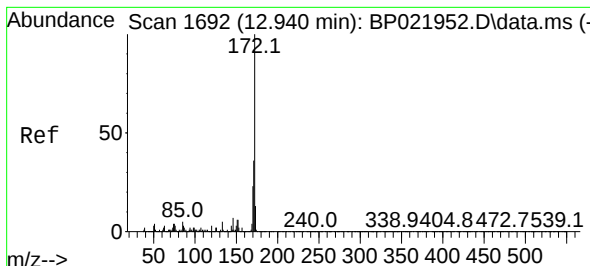
196 100

198 92.2 78.2 117.4

97 47.1 35.0 52.4

132 24.5 17.8 26.8





#45

2-Fluorobiphenyl

Concen: 88.063 ng

RT: 12.940 min Scan# 1692

Delta R.T. 0.000 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

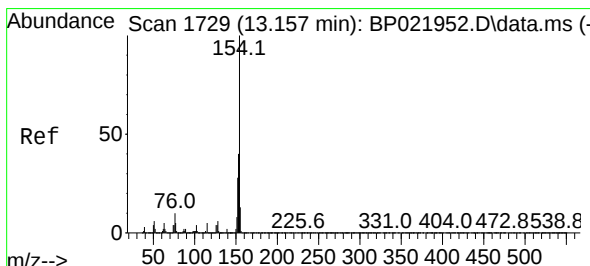
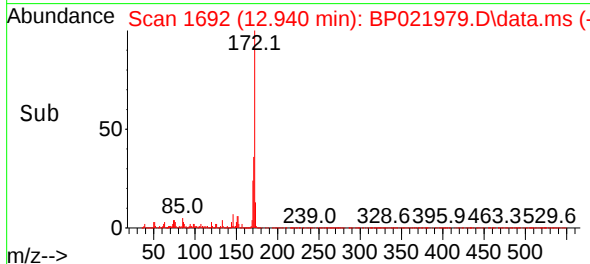
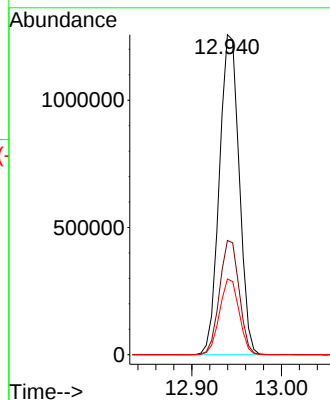
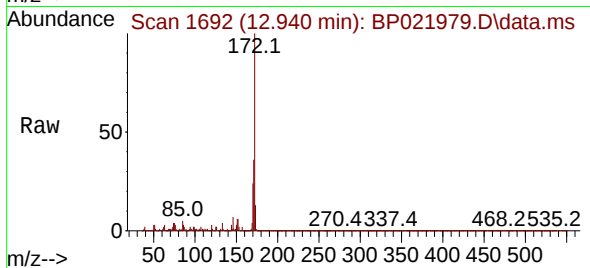
Tgt Ion:172 Resp: 1925280

Ion Ratio Lower Upper

172 100

171 35.7 28.6 43.0

170 23.7 18.8 28.2



#46

1,1'-Biphenyl

Concen: 8.372 ng

RT: 13.151 min Scan# 1728

Delta R.T. -0.006 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

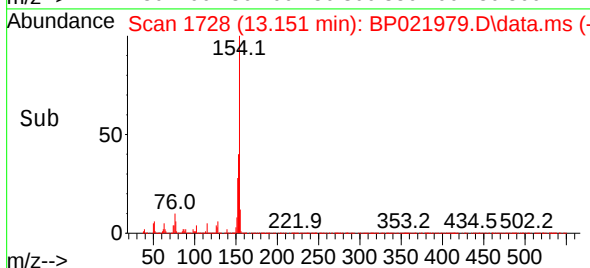
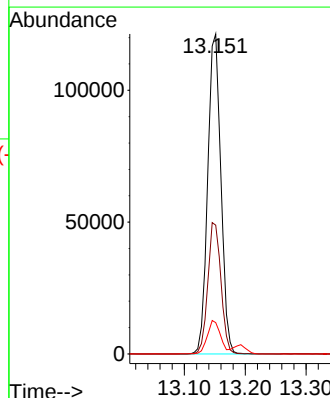
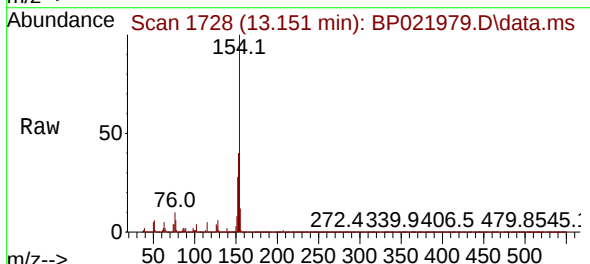
Tgt Ion:154 Resp: 182169

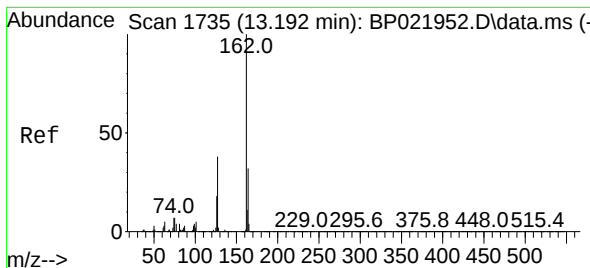
Ion Ratio Lower Upper

154 100

153 40.3 20.2 60.2

76 9.8 0.0 29.9





#47

2-Chloronaphthalene

Concen: 8.002 ng

RT: 13.193 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

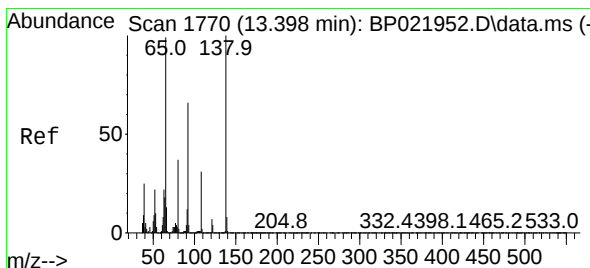
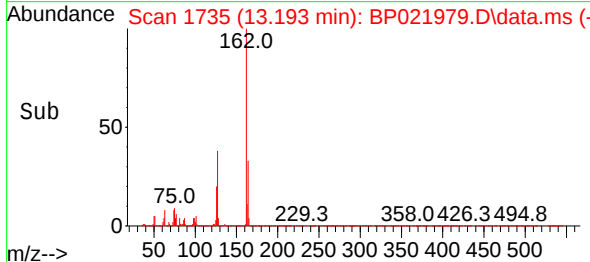
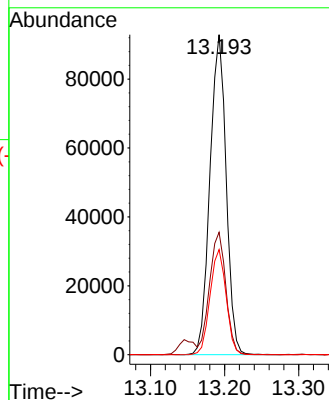
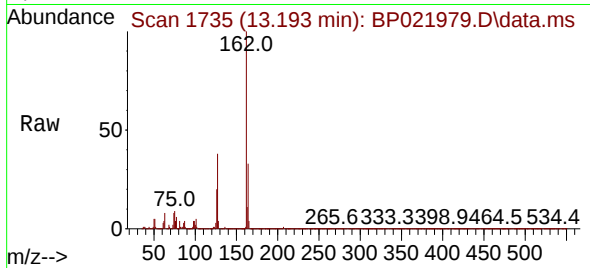
Tgt Ion:162 Resp: 140788

Ion Ratio Lower Upper

162 100

127 38.2 31.7 47.5

164 32.9 25.9 38.9



#48

2-Nitroaniline

Concen: 7.218 ng

RT: 13.393 min Scan# 1769

Delta R.T. -0.006 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

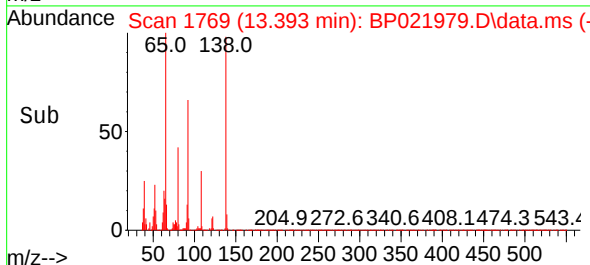
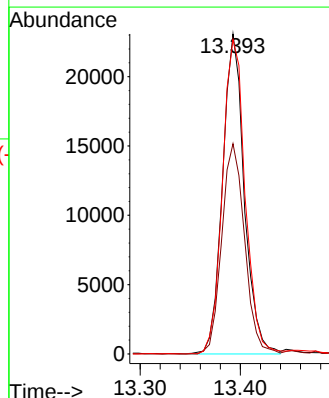
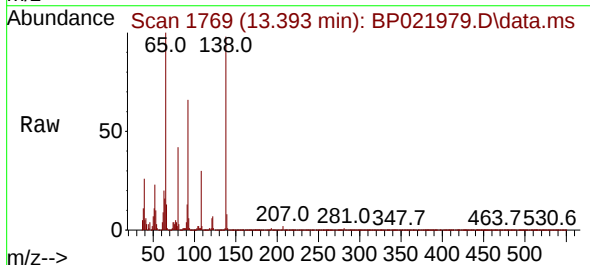
Tgt Ion: 65 Resp: 34680

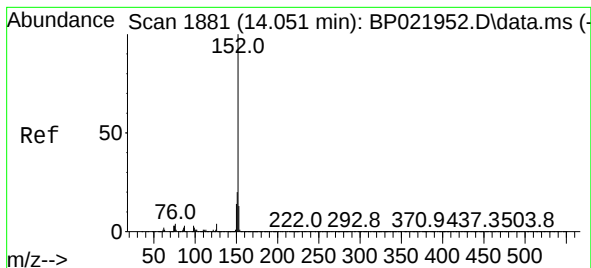
Ion Ratio Lower Upper

65 100

92 65.7 53.2 79.8

138 98.3 81.1 121.7





#49

Acenaphthylene

Concen: 8.678 ng

RT: 14.040 min Scan# 1879

Delta R.T. -0.012 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

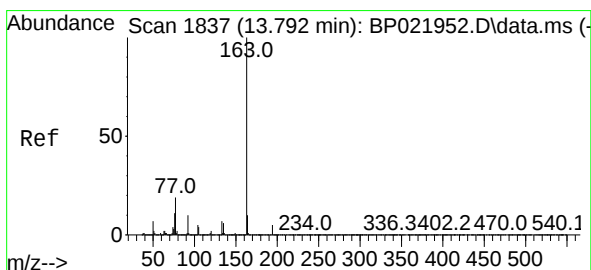
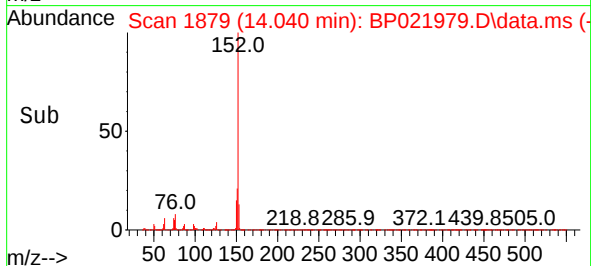
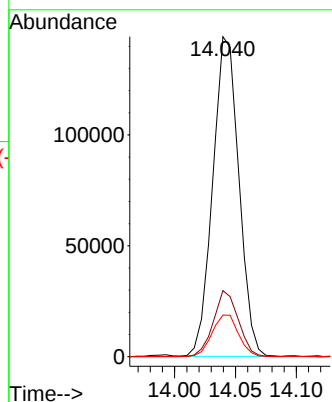
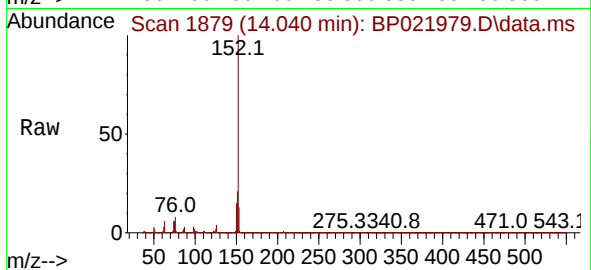
Tgt Ion:152 Resp: 215455

Ion Ratio Lower Upper

152 100

151 20.6 16.0 24.0

153 13.0 10.8 16.2



#50

Dimethylphthalate

Concen: 8.113 ng

RT: 13.781 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

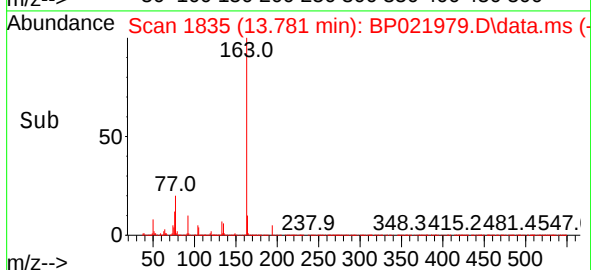
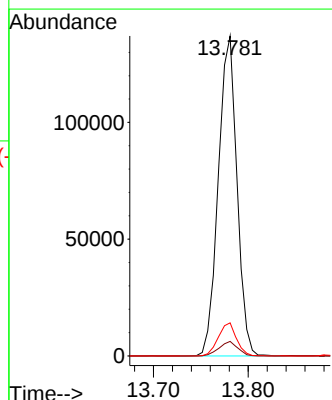
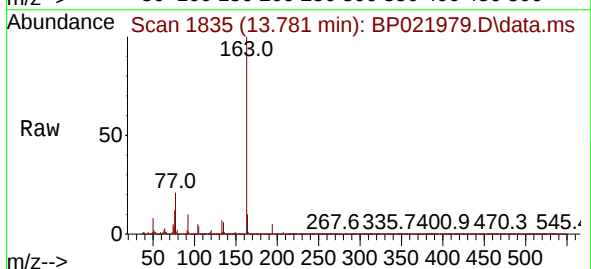
Tgt Ion:163 Resp: 187786

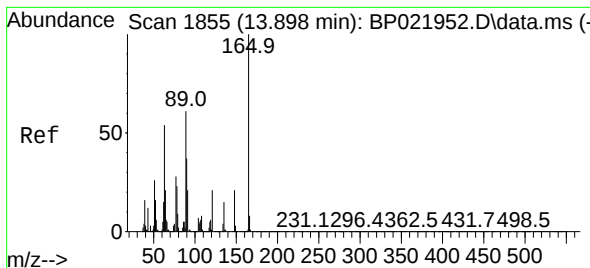
Ion Ratio Lower Upper

163 100

194 4.5 3.6 5.4

164 10.4 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 7.485 ng

RT: 13.893 min Scan# 1854

Delta R.T. -0.006 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

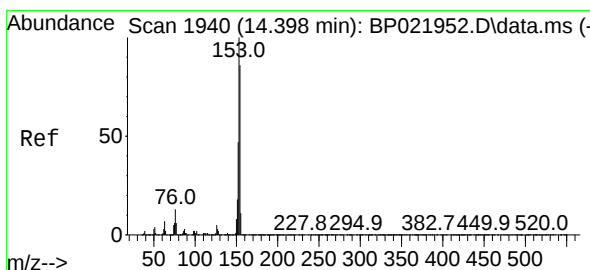
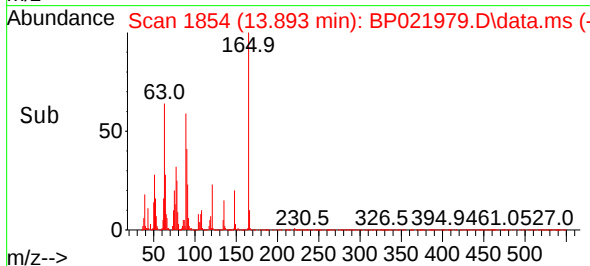
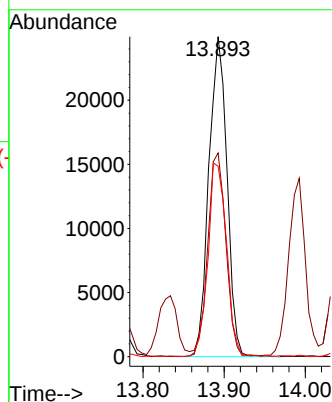
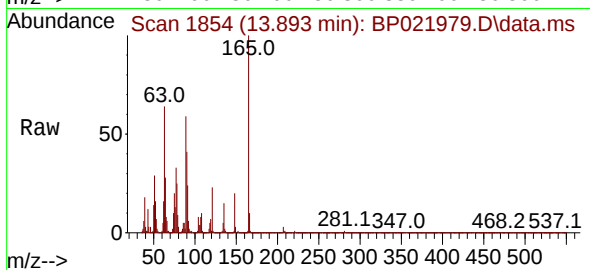
Tgt Ion:165 Resp: 38607

Ion Ratio Lower Upper

165 100

63 63.7 46.4 69.6

89 59.5 48.5 72.7



#52

Acenaphthene

Concen: 7.958 ng

RT: 14.381 min Scan# 1937

Delta R.T. -0.018 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

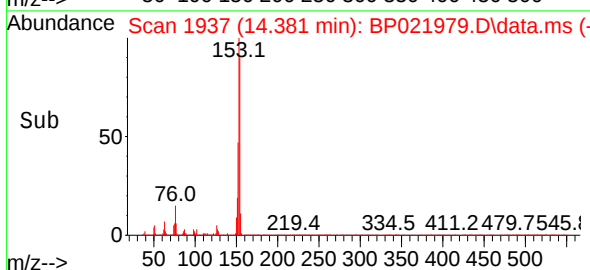
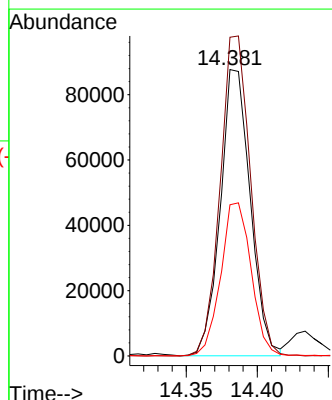
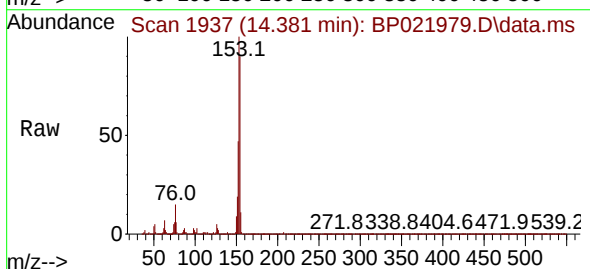
Tgt Ion:154 Resp: 128584

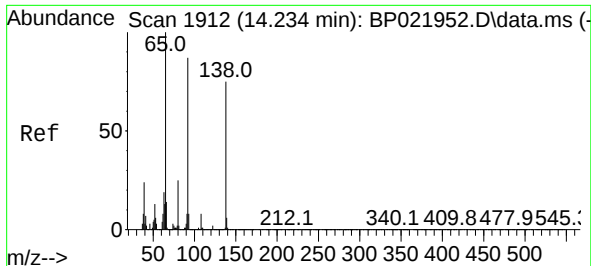
Ion Ratio Lower Upper

154 100

153 111.3 92.7 139.1

152 52.8 43.6 65.4

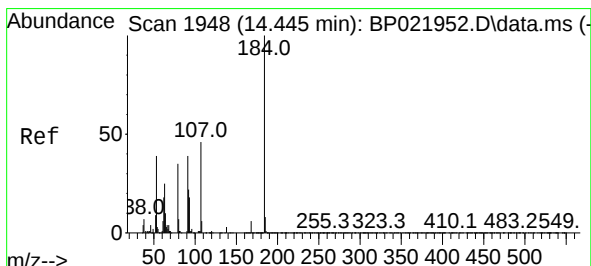
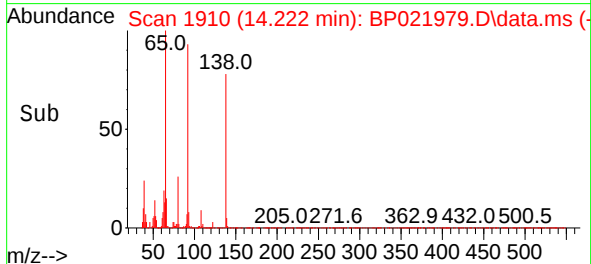
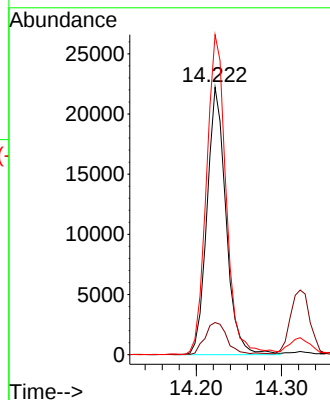
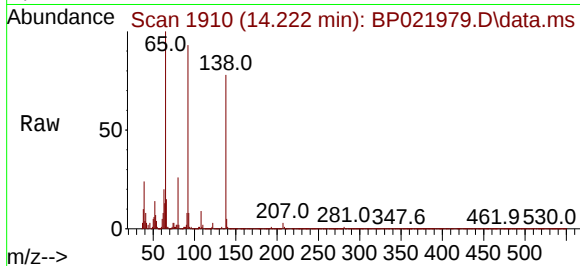




#53
3-Nitroaniline
Concen: 7.492 ng
RT: 14.222 min Scan# 1910
Delta R.T. -0.012 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

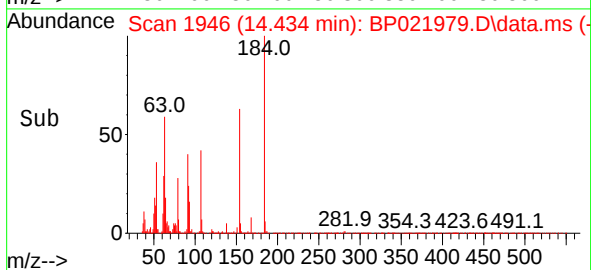
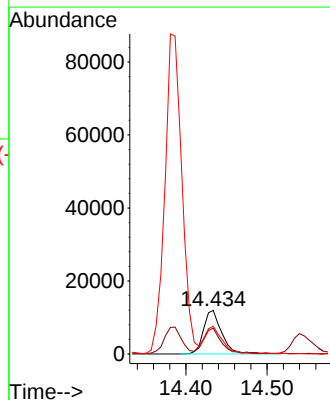
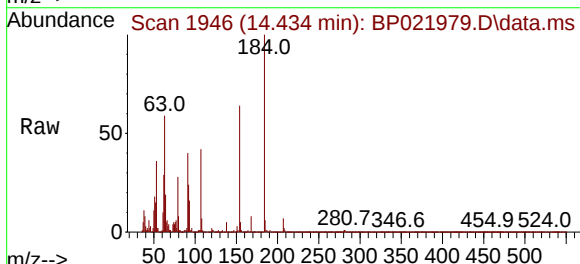
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

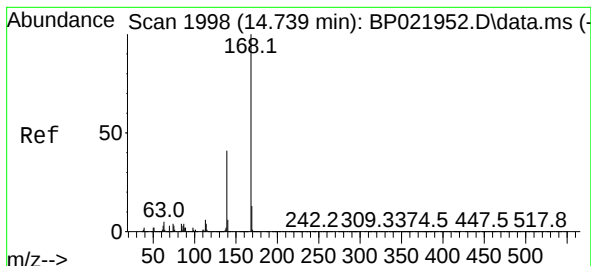
Tgt Ion:138 Resp: 34441
Ion Ratio Lower Upper
138 100
108 12.1 9.0 13.4
92 119.7 92.8 139.2



#54
2,4-Dinitrophenol
Concen: 6.167 ng
RT: 14.434 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion:184 Resp: 18638
Ion Ratio Lower Upper
184 100
63 59.2 49.0 73.6
154 63.6 58.1 87.1





#55

Dibenzenofuran

Concen: 8.457 ng

RT: 14.728 min Scan# 1996

Delta R.T. -0.012 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

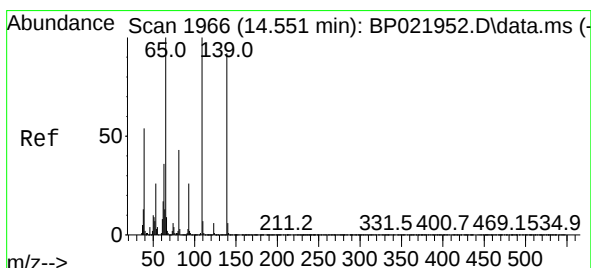
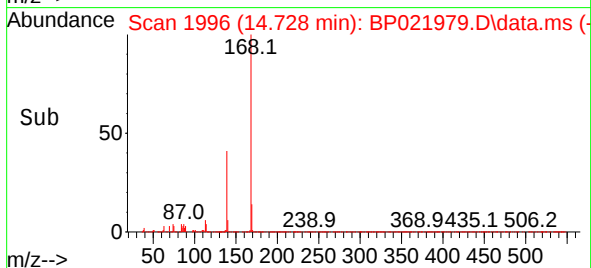
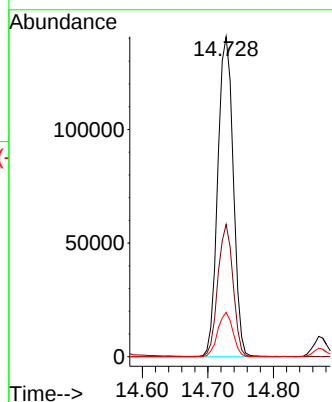
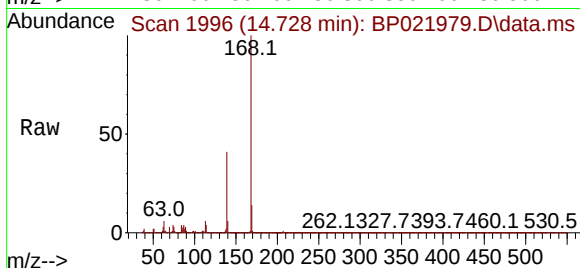
Tgt Ion:168 Resp: 229681

Ion Ratio Lower Upper

168 100

139 41.4 33.0 49.4

169 13.9 10.7 16.1



#56

4-Nitrophenol

Concen: 7.043 ng

RT: 14.540 min Scan# 1964

Delta R.T. -0.012 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

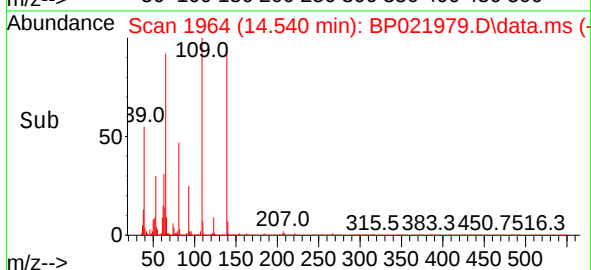
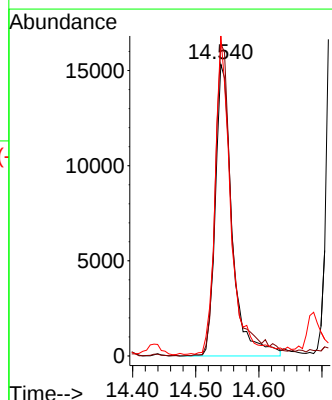
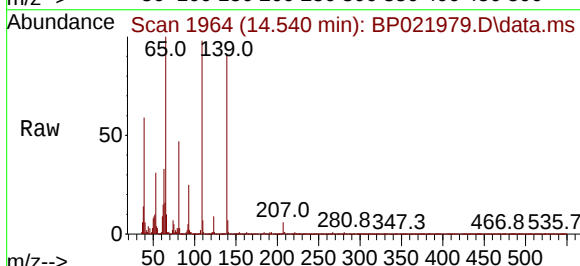
Tgt Ion:139 Resp: 28179

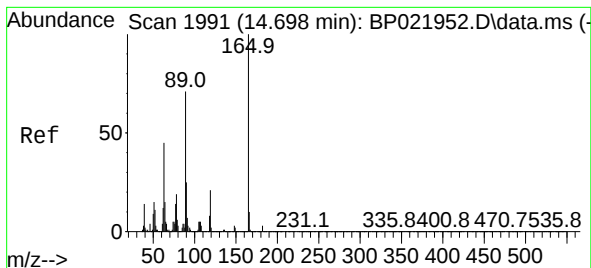
Ion Ratio Lower Upper

139 100

109 107.2 88.6 128.6

65 109.7 88.7 128.7





#57

2,4-Dinitrotoluene

Concen: 6.877 ng

RT: 14.687 min Scan# 1989

Delta R.T. -0.012 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:165 Resp: 50143

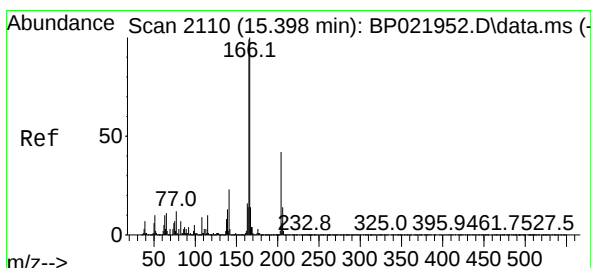
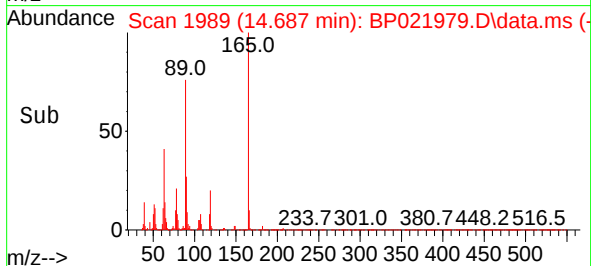
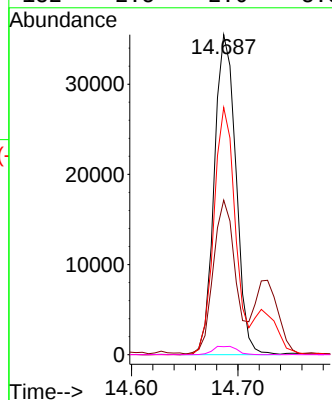
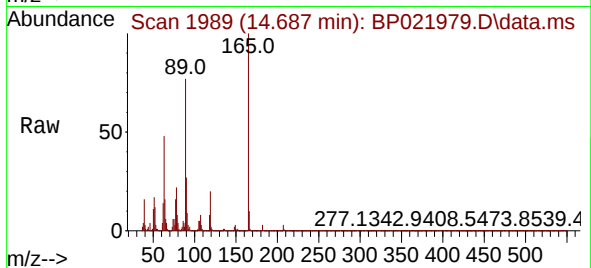
Ion Ratio Lower Upper

165 100

63 48.3 36.3 54.5

89 77.2 57.2 85.8

182 2.5 2.6 3.8#



#58

Fluorene

Concen: 8.045 ng

RT: 15.387 min Scan# 2108

Delta R.T. -0.012 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

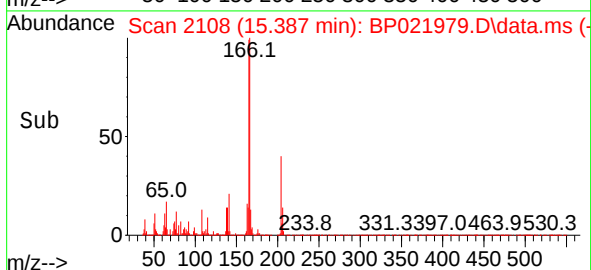
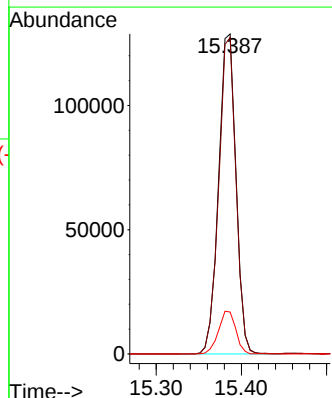
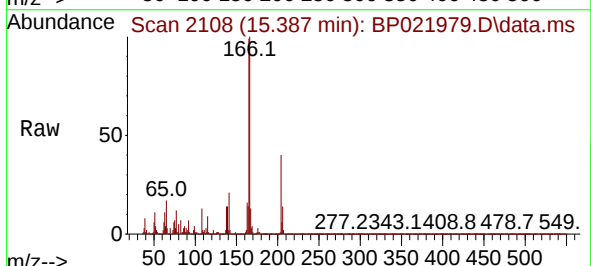
Tgt Ion:166 Resp: 182464

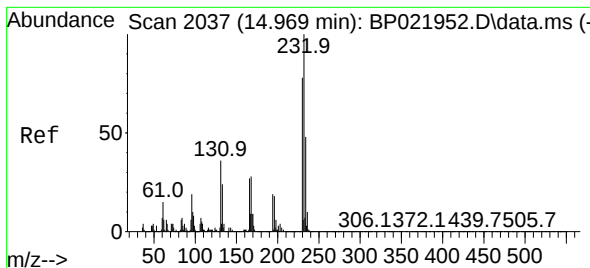
Ion Ratio Lower Upper

166 100

165 98.9 79.4 119.2

167 13.1 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 7.735 ng

RT: 14.957 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:232 Resp: 57393

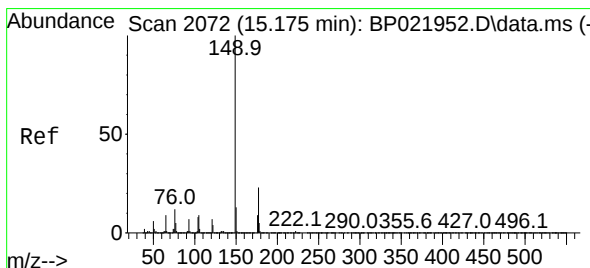
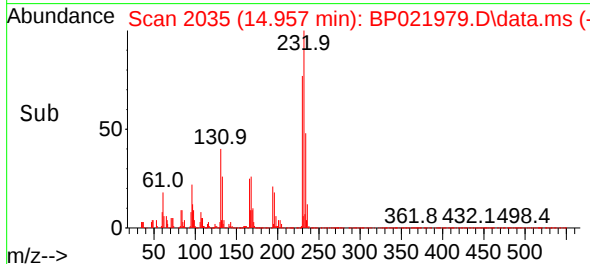
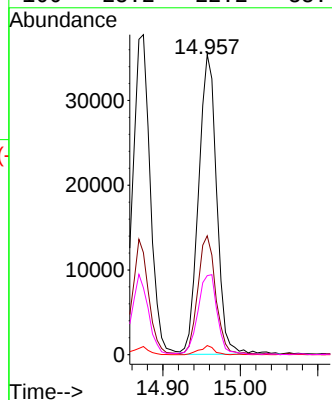
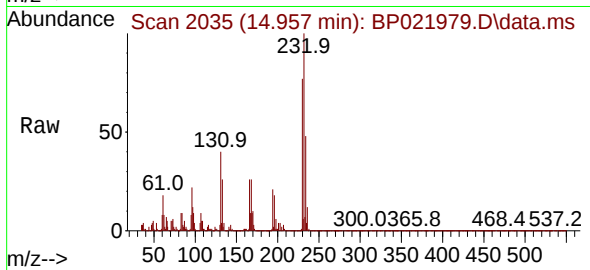
Ion Ratio Lower Upper

232 100

131 38.9 30.2 45.4

130 2.4 1.9 2.9

166 28.2 22.2 33.4



#60

Diethylphthalate

Concen: 8.071 ng

RT: 15.157 min Scan# 2069

Delta R.T. -0.018 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

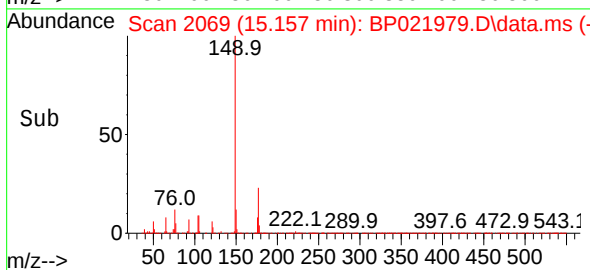
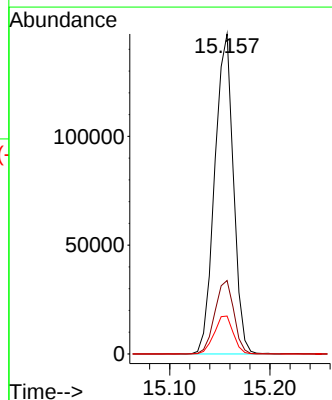
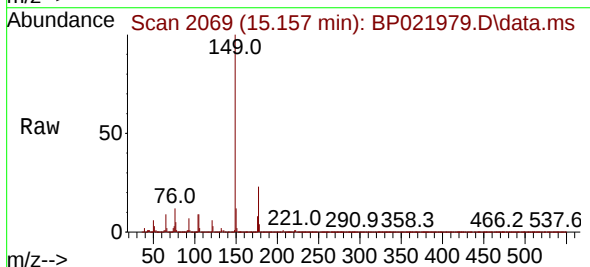
Tgt Ion:149 Resp: 189840

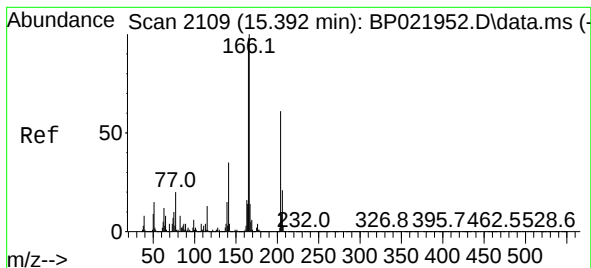
Ion Ratio Lower Upper

149 100

177 22.9 18.2 27.4

150 11.9 10.1 15.1

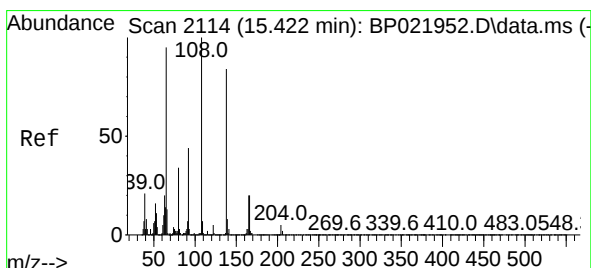
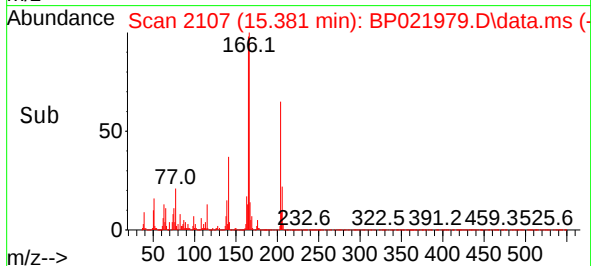
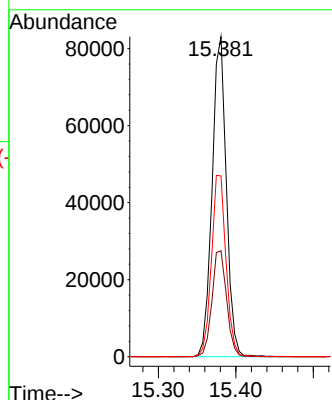
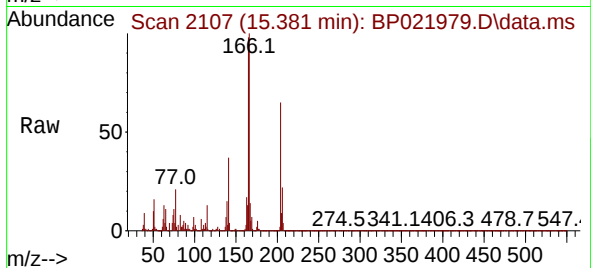




#61
4-Chlorophenyl-phenylether
Concen: 8.034 ng
RT: 15.381 min Scan# 2110
Delta R.T. -0.012 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

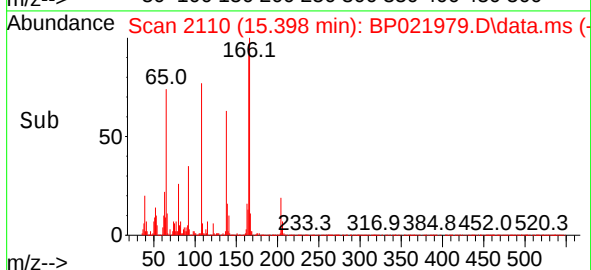
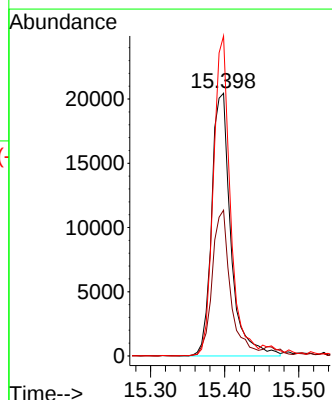
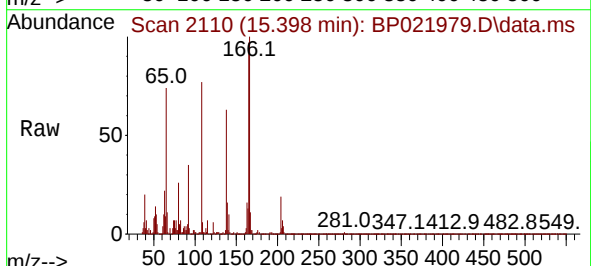
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

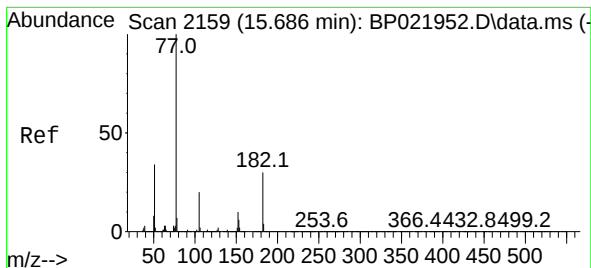
Tgt Ion:204 Resp: 106086
Ion Ratio Lower Upper
204 100
206 33.1 27.3 40.9
141 56.5 45.7 68.5



#62
4-Nitroaniline
Concen: 7.260 ng
RT: 15.398 min Scan# 2110
Delta R.T. -0.023 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion:138 Resp: 36695
Ion Ratio Lower Upper
138 100
92 55.5 32.6 72.6
108 121.8 98.6 138.6





#63

Azobenzene

Concen: 8.580 ng

RT: 15.681 min Scan# 2159

Delta R.T. -0.006 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion: 77 Resp: 167004

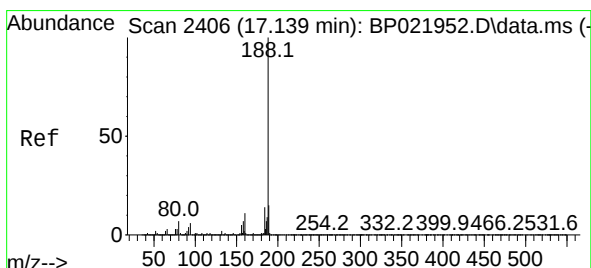
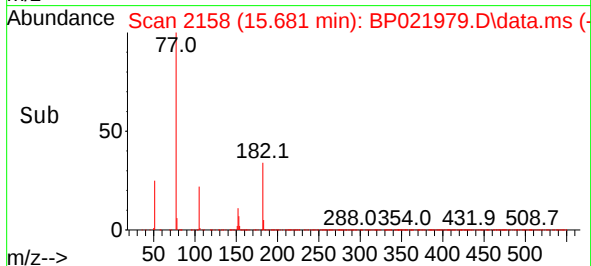
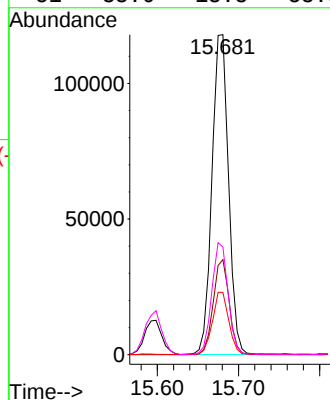
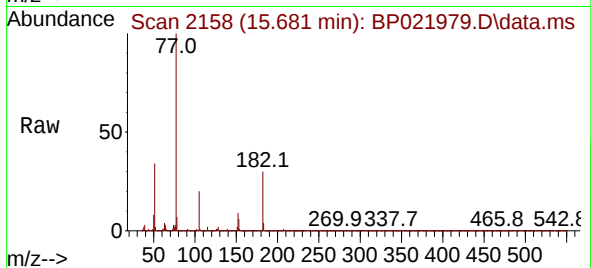
Ion Ratio Lower Upper

77 100

182 29.7 9.6 49.6

105 19.5 0.0 39.8

51 33.6 13.8 53.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.116 min Scan# 2402

Delta R.T. -0.023 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

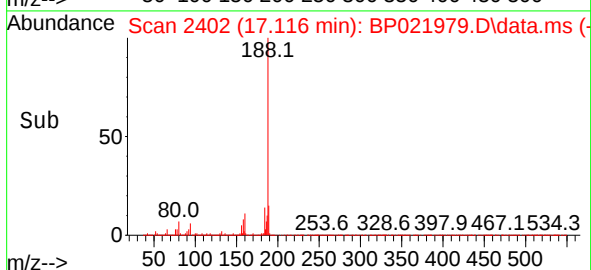
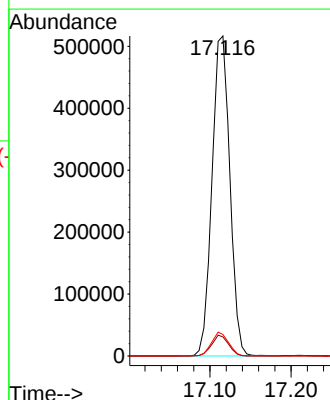
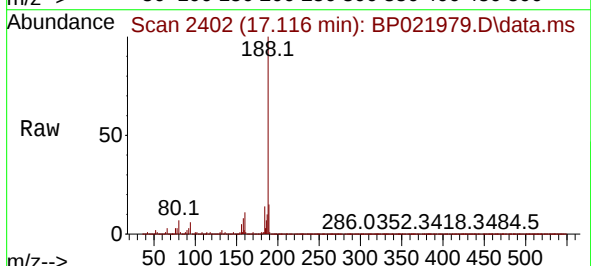
Tgt Ion: 188 Resp: 788764

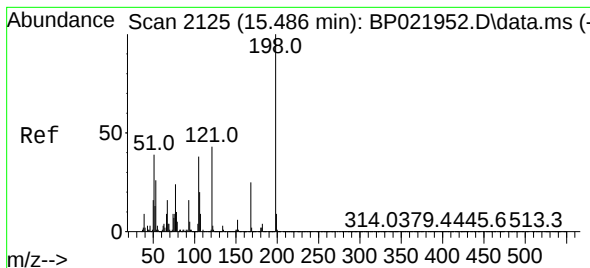
Ion Ratio Lower Upper

188 100

94 6.0 4.6 6.8

80 6.7 5.4 8.2

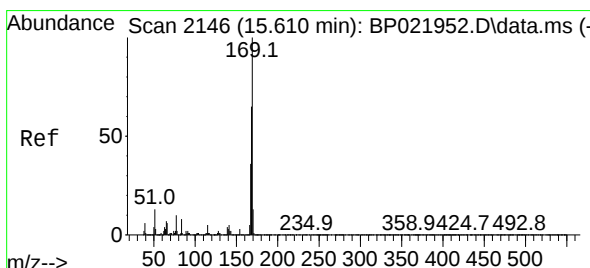
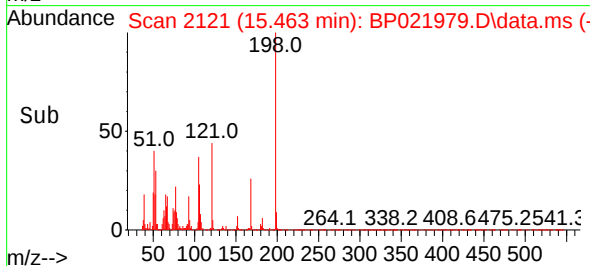
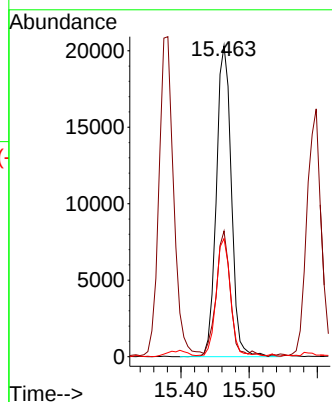
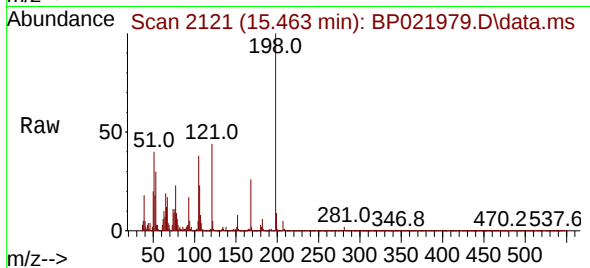




#65
4,6-Dinitro-2-methylphenol
Concen: 6.780 ng
RT: 15.463 min Scan# 2125
Delta R.T. -0.023 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

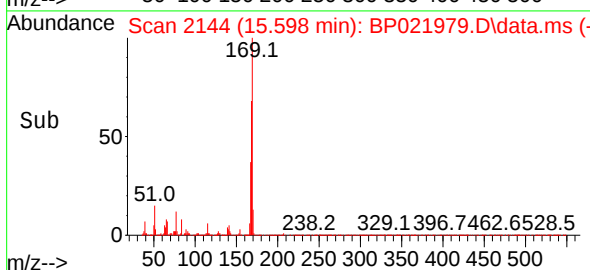
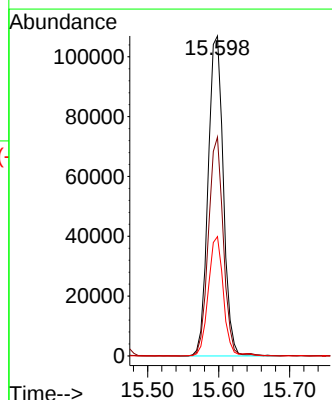
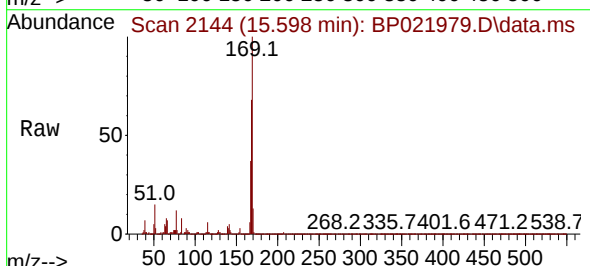
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

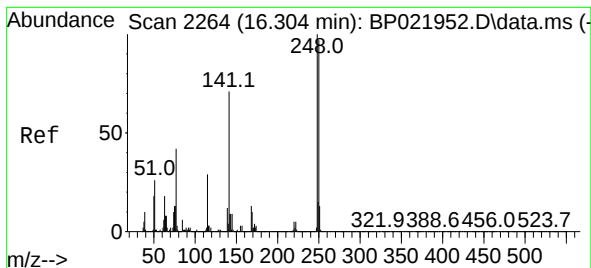
Tgt Ion	Ratio	Lower	Upper
198	100		
51	40.4	20.7	60.7
105	38.0	18.4	58.4



#66
n-Nitrosodiphenylamine
Concen: 8.106 ng
RT: 15.598 min Scan# 2144
Delta R.T. -0.012 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion	Ratio	Lower	Upper
169	100		
168	68.4	52.2	78.4
167	37.3	28.6	42.8





#67

4-Bromophenyl-phenylether

Concen: 7.819 ng

RT: 16.292 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

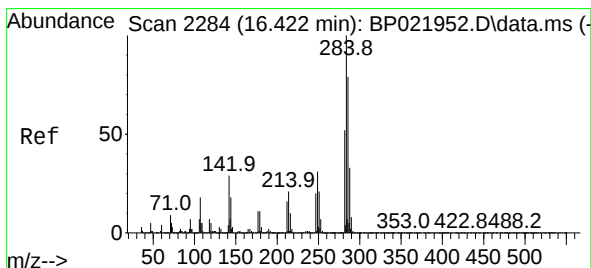
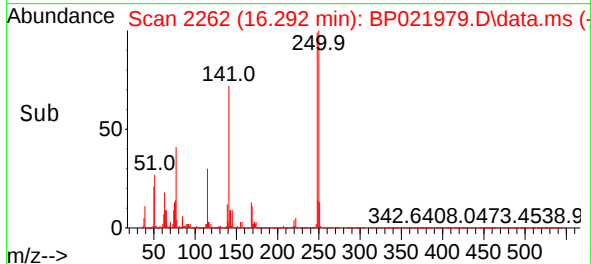
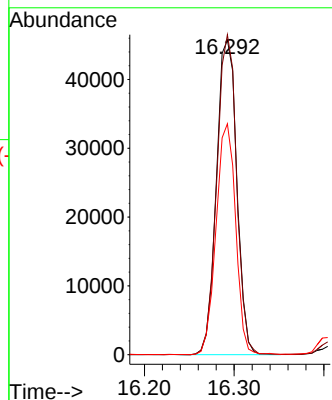
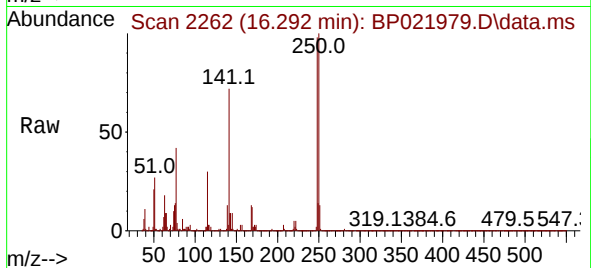
Tgt Ion:248 Resp: 71896

Ion Ratio Lower Upper

248 100

250 101.7 77.5 116.3

141 73.4 56.5 84.7



#68

Hexachlorobenzene

Concen: 7.872 ng

RT: 16.410 min Scan# 2282

Delta R.T. -0.012 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

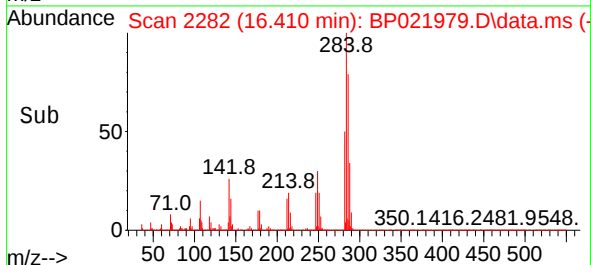
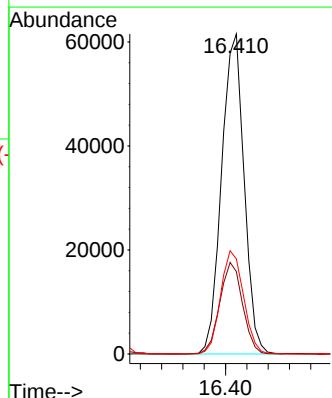
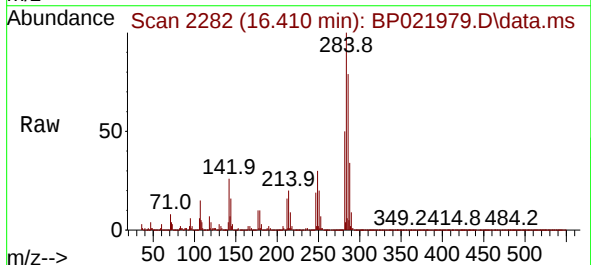
Tgt Ion:284 Resp: 90246

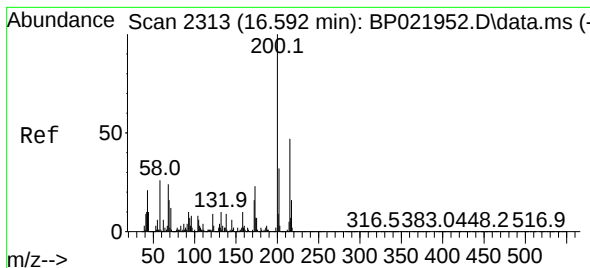
Ion Ratio Lower Upper

284 100

142 25.7 22.9 34.3

249 29.7 25.2 37.8





#69

Atrazine

Concen: 9.761 ng

RT: 16.569 min Scan# 2309

Delta R.T. -0.023 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

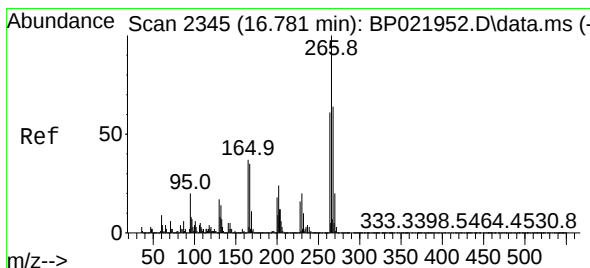
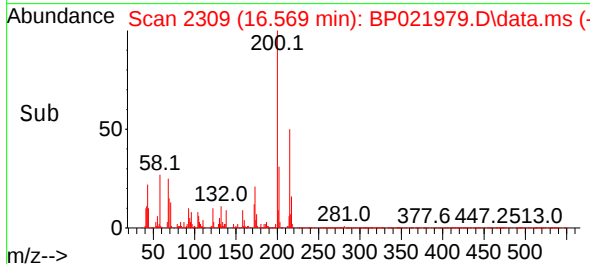
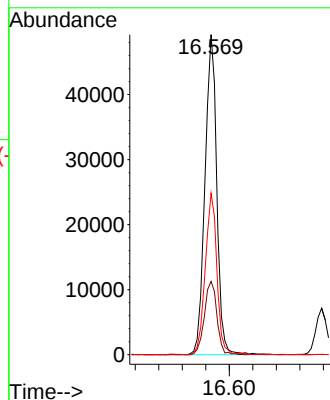
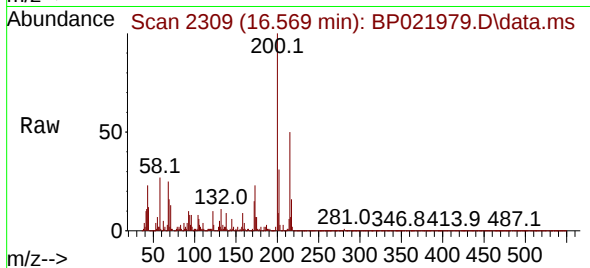
Tgt Ion:200 Resp: 68685

Ion Ratio Lower Upper

200 100

173 22.9 3.0 43.0

215 50.4 27.4 67.4



#70

Pentachlorophenol

Concen: 6.735 ng

RT: 16.757 min Scan# 2341

Delta R.T. -0.023 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

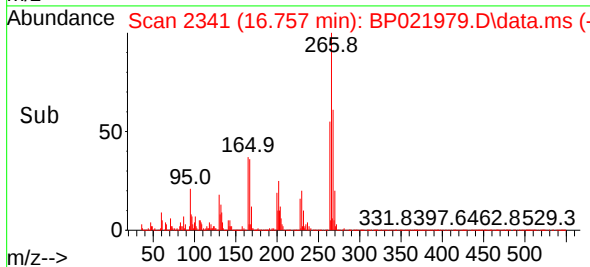
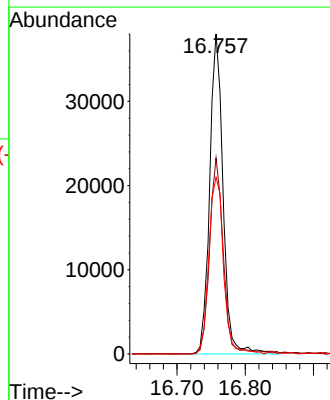
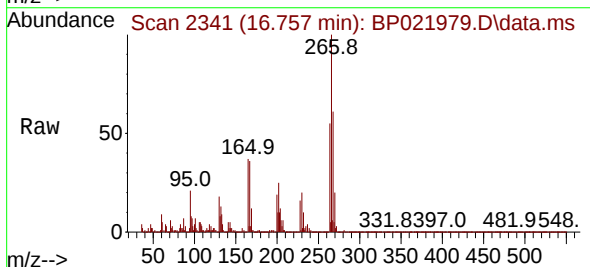
Tgt Ion:266 Resp: 51944

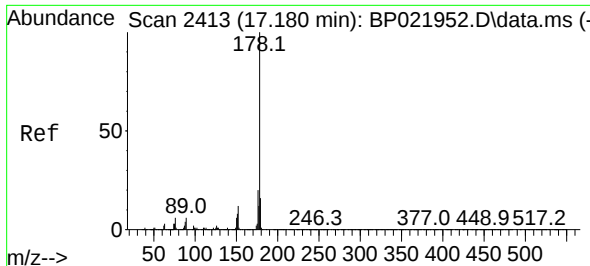
Ion Ratio Lower Upper

266 100

268 61.3 51.1 76.7

264 55.2 48.6 72.8

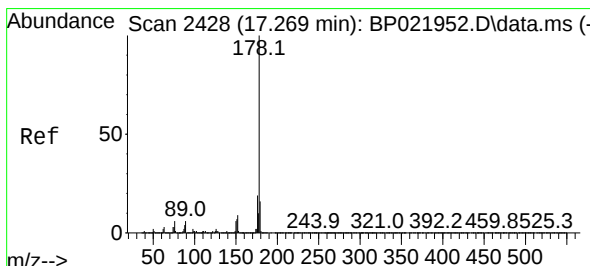
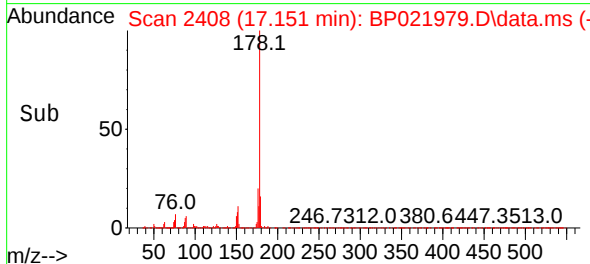
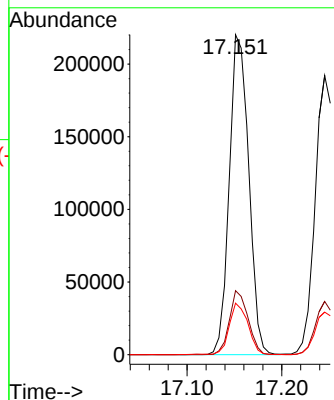
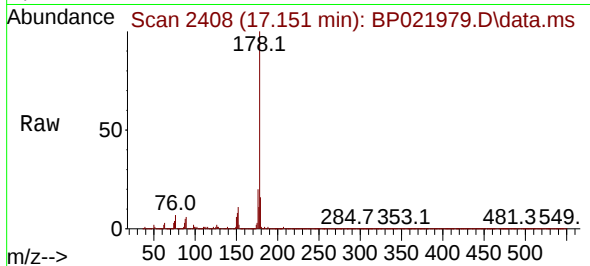




#71
Phenanthrene
Concen: 8.308 ng
RT: 17.151 min Scan# 2413
Delta R.T. -0.029 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

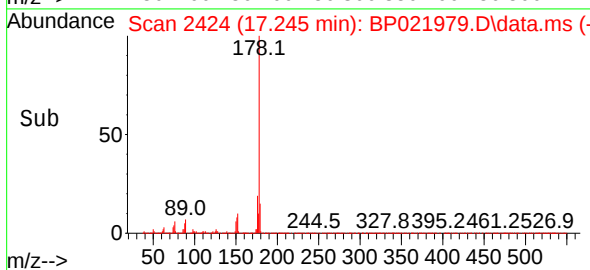
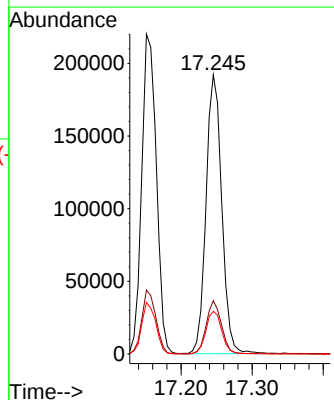
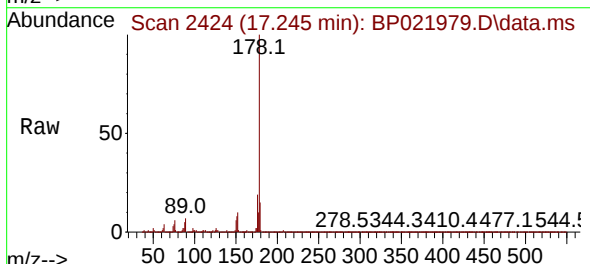
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

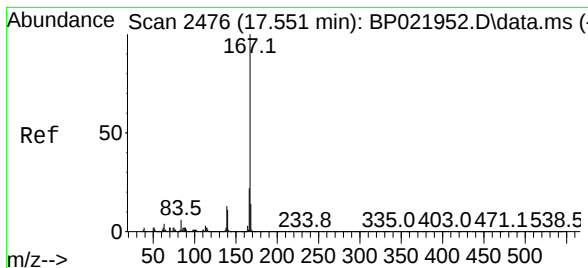
Tgt Ion:178 Resp: 314575
Ion Ratio Lower Upper
178 100
176 20.0 15.9 23.9
179 16.1 12.5 18.7



#72
Anthracene
Concen: 8.045 ng
RT: 17.245 min Scan# 2424
Delta R.T. -0.023 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion:178 Resp: 294870
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.6
179 15.2 12.6 18.8





#73

Carbazole

Concen: 8.026 ng

RT: 17.528 min Scan# 2476

Delta R.T. -0.023 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

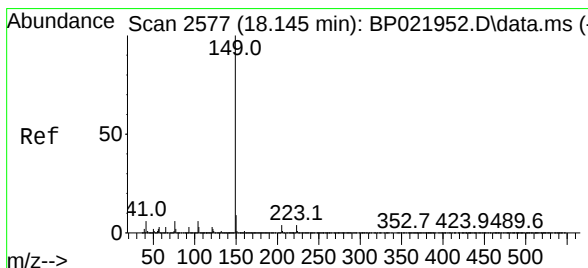
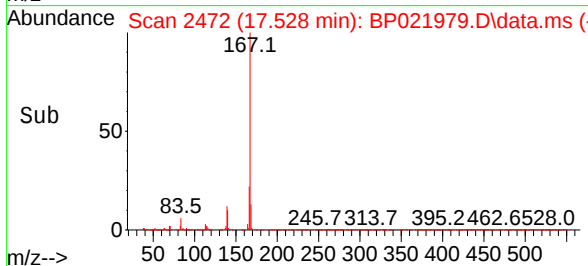
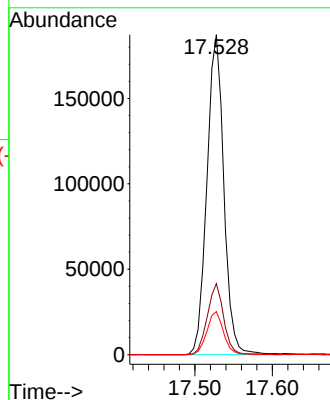
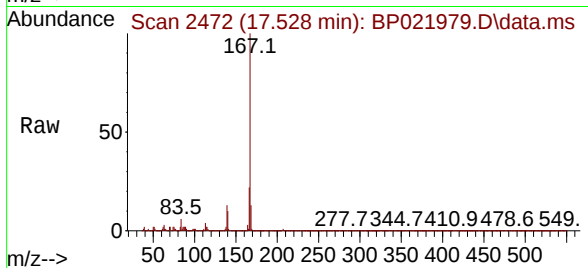
Tgt Ion:167 Resp: 284112

Ion Ratio Lower Upper

167 100

166 22.2 17.4 26.0

139 13.5 10.5 15.7



#74

Di-n-butylphthalate

Concen: 7.771 ng

RT: 18.116 min Scan# 2572

Delta R.T. -0.029 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

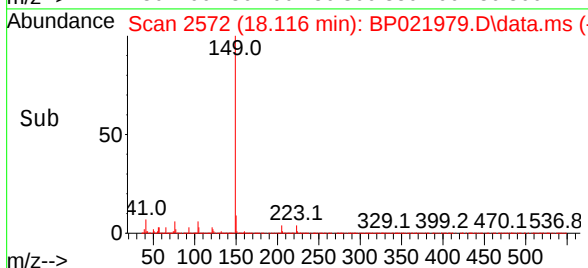
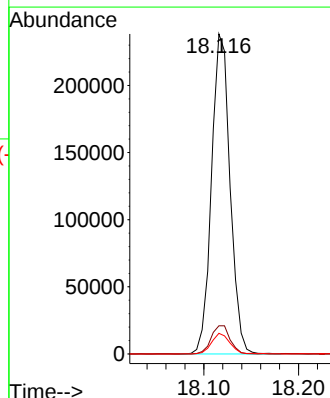
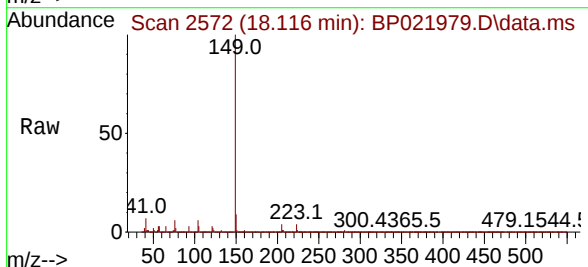
Tgt Ion:149 Resp: 323088

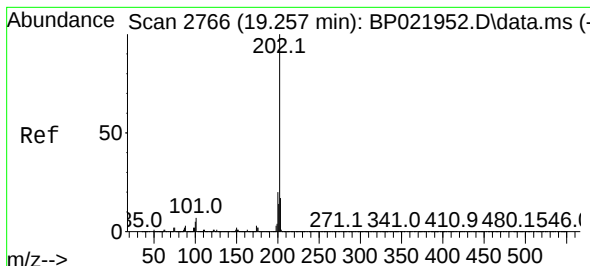
Ion Ratio Lower Upper

149 100

150 8.8 7.3 10.9

104 6.4 4.6 6.8





#75

Fluoranthene

Concen: 7.873 ng

RT: 19.233 min Scan# 21

Delta R.T. -0.023 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

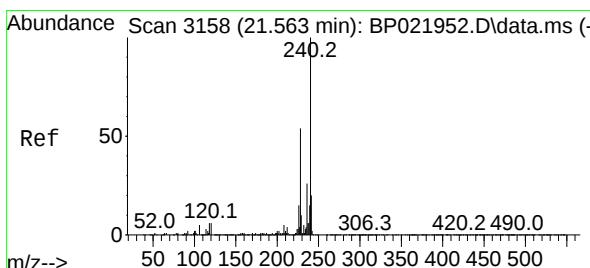
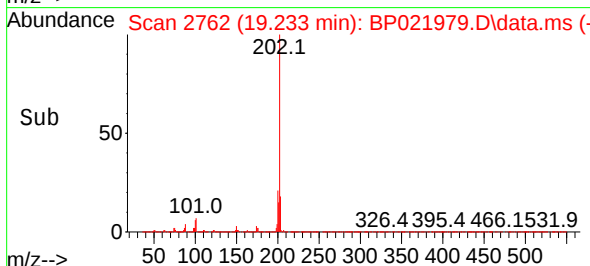
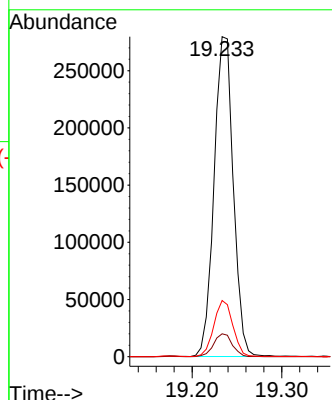
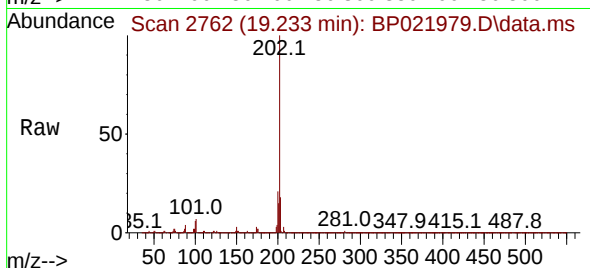
Tgt Ion:202 Resp: 416066

Ion Ratio Lower Upper

202 100

101 7.1 0.0 26.5

203 17.5 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.533 min Scan# 3153

Delta R.T. -0.029 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

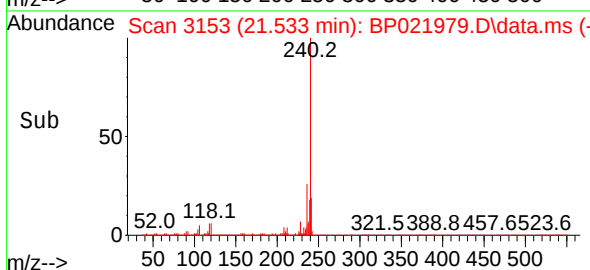
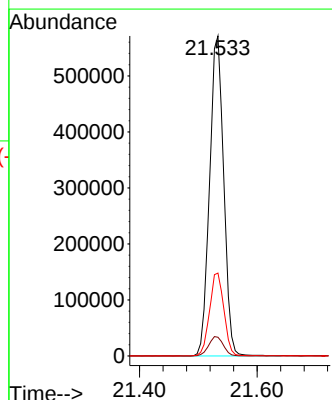
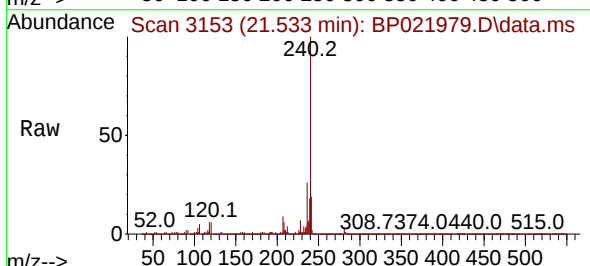
Tgt Ion:240 Resp: 953506

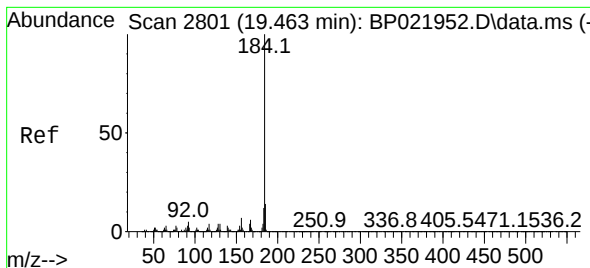
Ion Ratio Lower Upper

240 100

120 5.9 5.1 7.7

236 25.9 20.7 31.1





#77

Benzidine

Concen: 12.406 ng

RT: 19.433 min Scan# 21

Delta R.T. -0.029 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

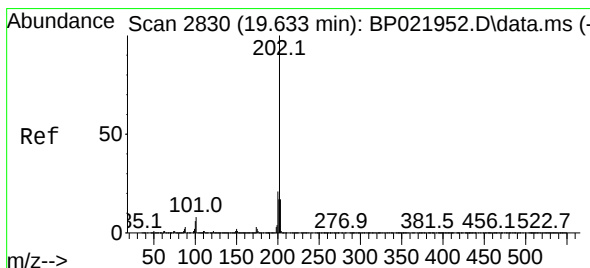
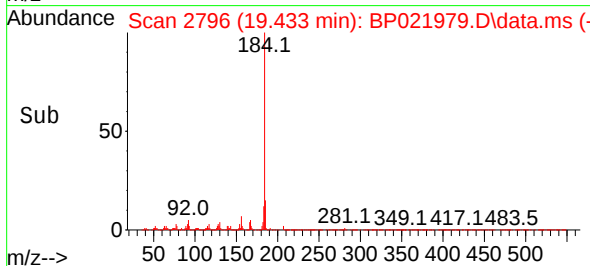
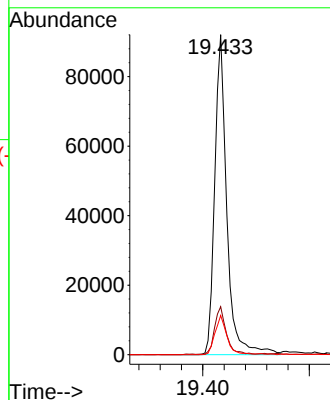
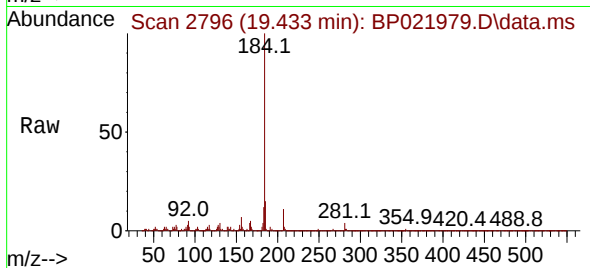
Tgt Ion:184 Resp: 144556

Ion Ratio Lower Upper

184 100

185 15.0 10.9 16.3

183 12.3 9.2 13.8



#78

Pyrene

Concen: 7.601 ng

RT: 19.616 min Scan# 2827

Delta R.T. -0.018 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

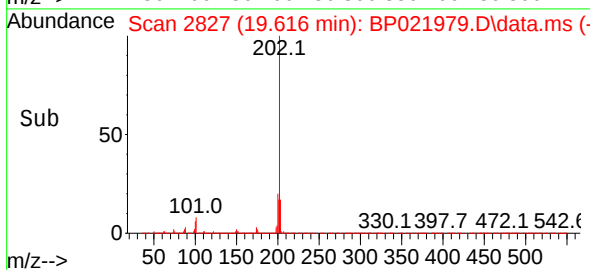
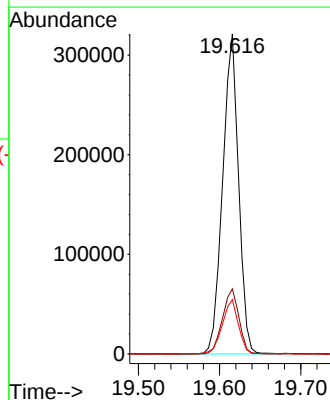
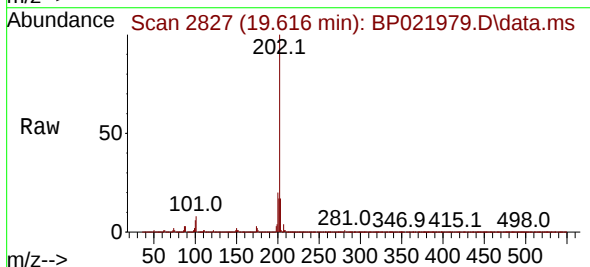
Tgt Ion:202 Resp: 438451

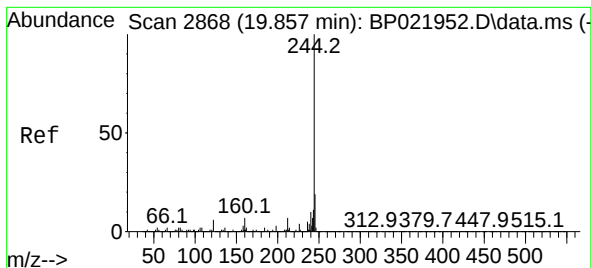
Ion Ratio Lower Upper

202 100

200 20.4 16.8 25.2

203 17.0 13.8 20.8





#79

Terphenyl-d14

Concen: 79.239 ng

RT: 19.833 min Scan# 21

Delta R.T. -0.023 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

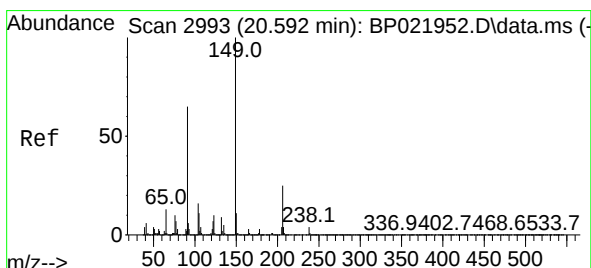
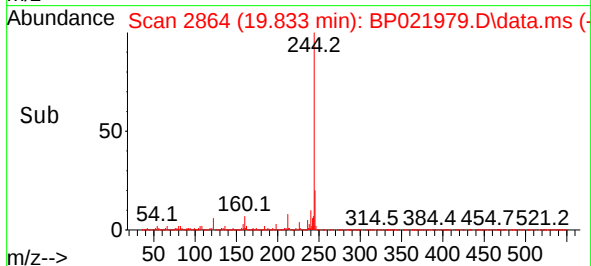
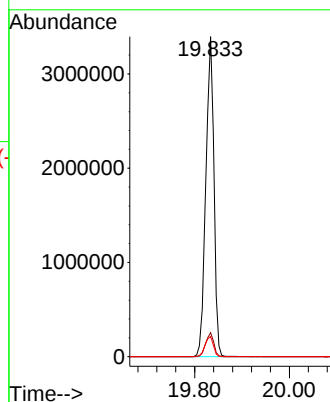
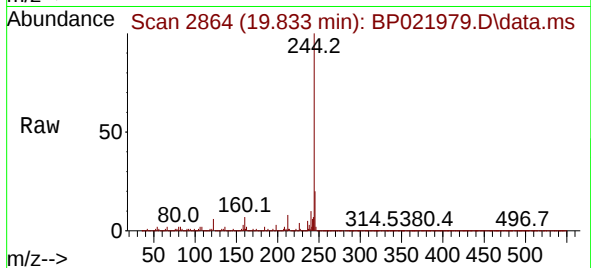
Tgt Ion:244 Resp: 4022125

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 6.3 5.0 7.4



#80

Butylbenzylphthalate

Concen: 7.462 ng

RT: 20.563 min Scan# 2988

Delta R.T. -0.029 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

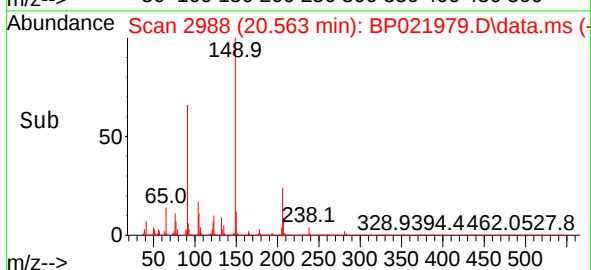
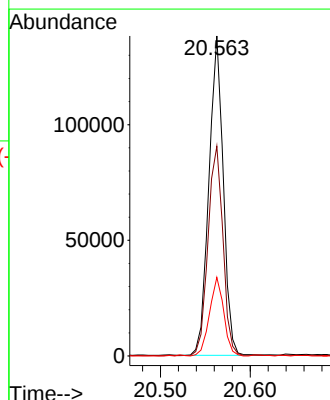
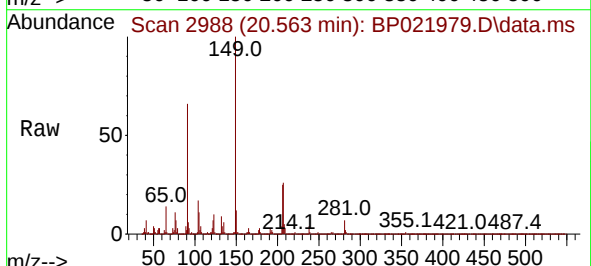
Tgt Ion:149 Resp: 153508

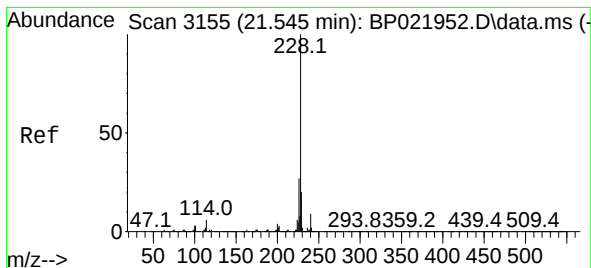
Ion Ratio Lower Upper

149 100

91 65.6 51.9 77.9

206 24.5 20.1 30.1





#81

Benzo(a)anthracene

Concen: 8.180 ng

RT: 21.510 min Scan# 3149

Delta R.T. -0.035 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

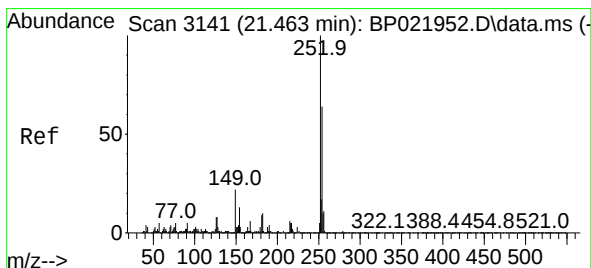
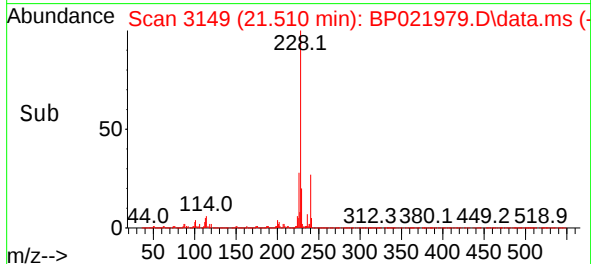
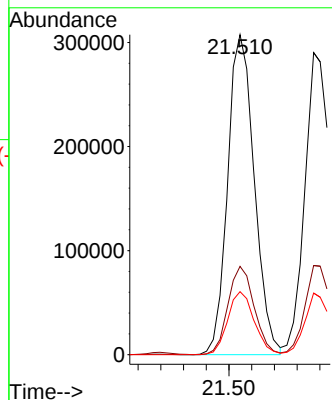
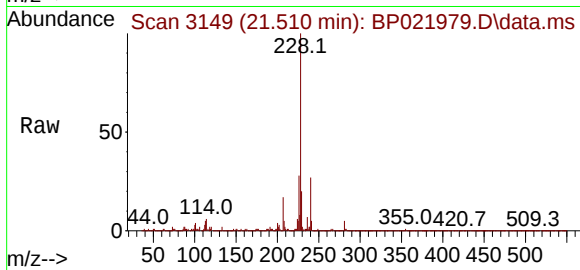
Tgt Ion:228 Resp: 501203

Ion Ratio Lower Upper

228 100

226 27.6 21.5 32.3

229 19.7 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 7.689 ng

RT: 21.439 min Scan# 3137

Delta R.T. -0.023 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

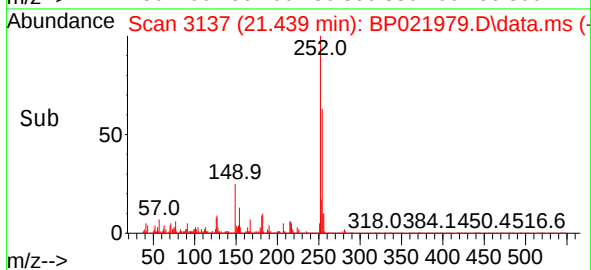
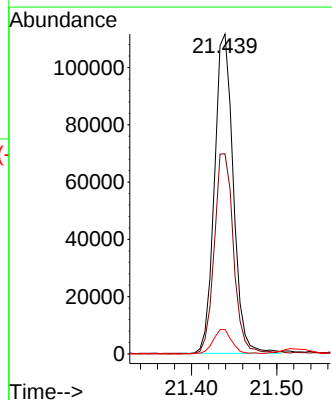
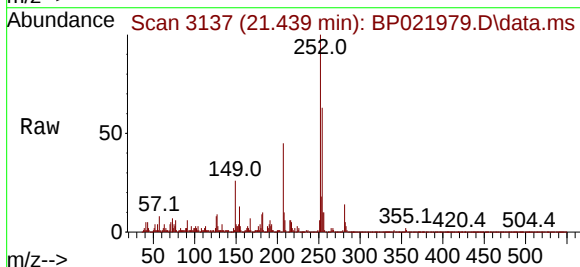
Tgt Ion:252 Resp: 170919

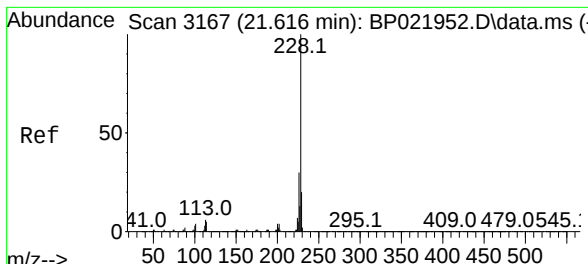
Ion Ratio Lower Upper

252 100

254 62.6 51.4 77.2

126 7.7 6.2 9.4





#83

Chrysene

Concen: 8.209 ng

RT: 21.575 min Scan# 3167

Delta R.T. -0.041 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

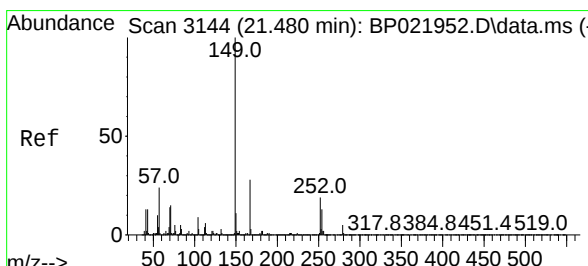
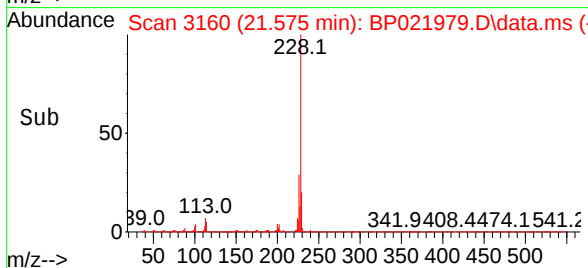
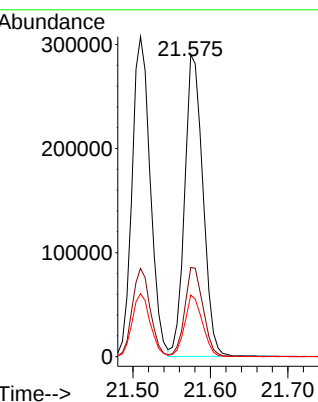
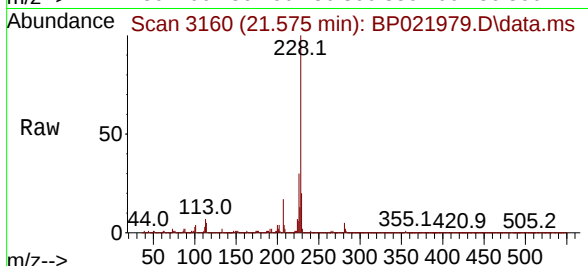
Tgt Ion:228 Resp: 473535

Ion Ratio Lower Upper

228 100

226 29.5 24.2 36.4

229 20.4 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.506 ng

RT: 21.457 min Scan# 3140

Delta R.T. -0.023 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

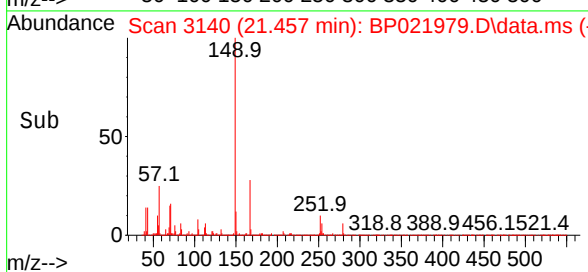
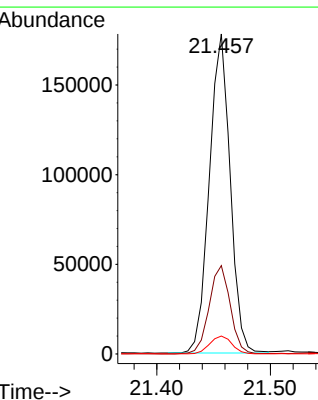
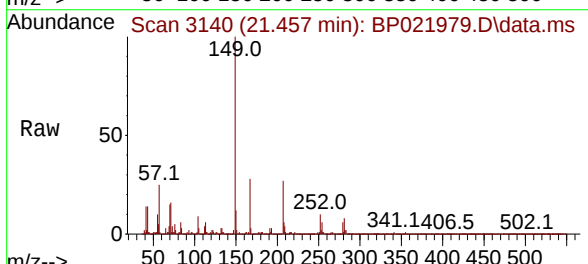
Tgt Ion:149 Resp: 226633

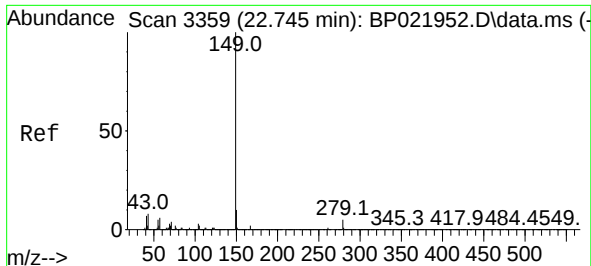
Ion Ratio Lower Upper

149 100

167 27.6 22.3 33.5

279 5.6 4.2 6.2

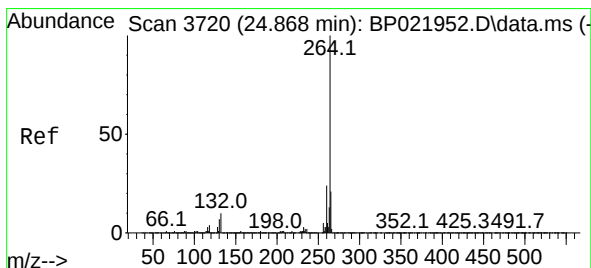
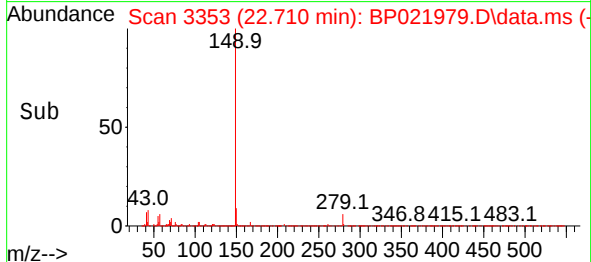
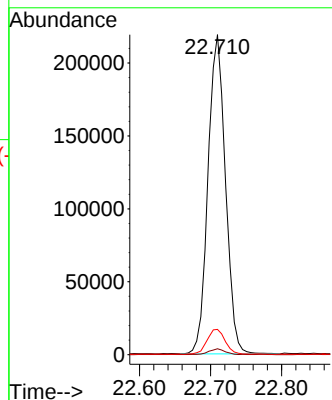
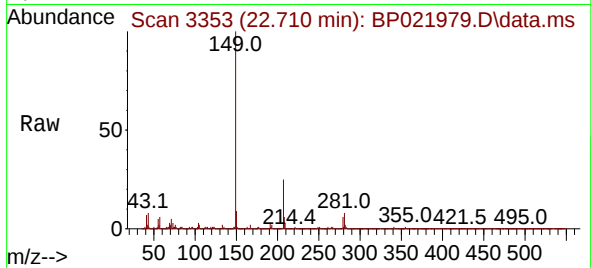




#85
Di-n-octyl phthalate
Concen: 7.287 ng
RT: 22.710 min Scan# 31
Delta R.T. -0.035 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

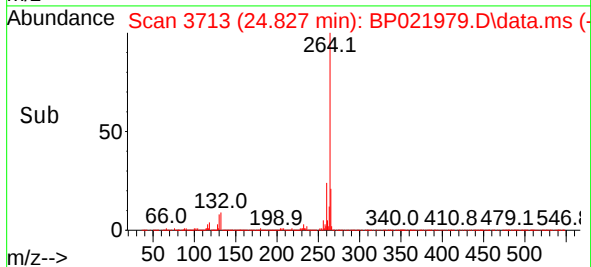
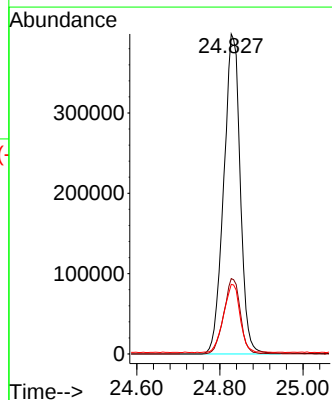
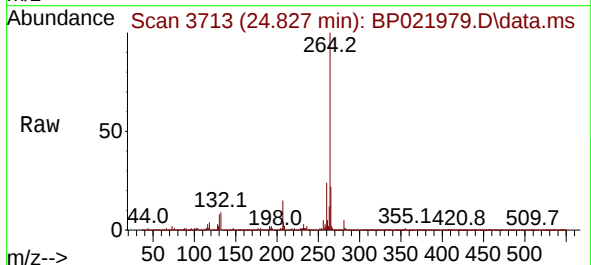
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

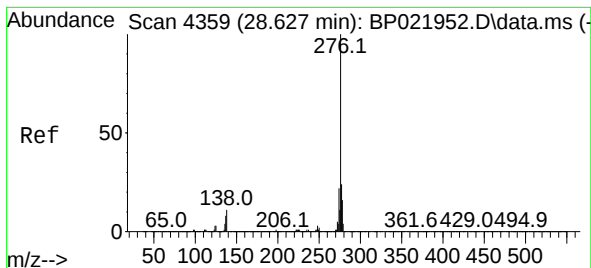
Tgt Ion:149 Resp: 373714
Ion Ratio Lower Upper
149 100
167 1.7 1.4 2.0
43 8.1 6.2 9.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.827 min Scan# 3713
Delta R.T. -0.041 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion:264 Resp: 1095859
Ion Ratio Lower Upper
264 100
260 23.6 18.9 28.3
265 21.7 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.259 ng

RT: 28.539 min Scan# 4359

Delta R.T. -0.088 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

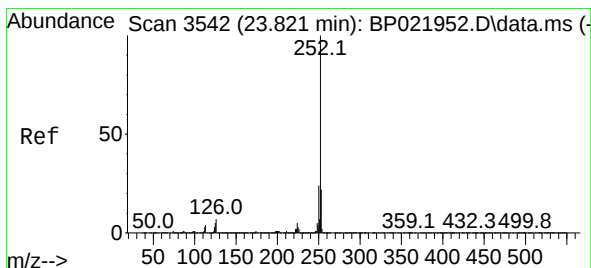
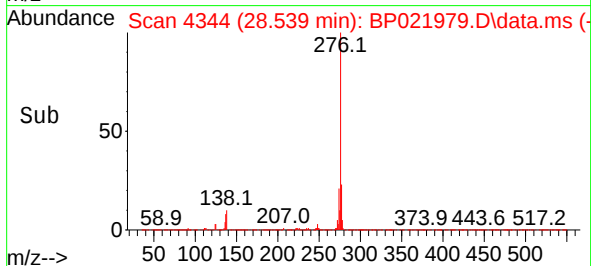
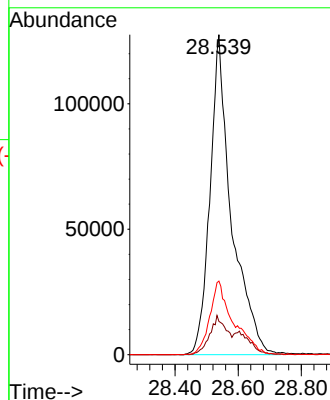
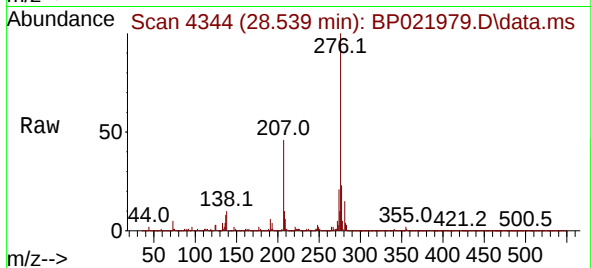
Tgt Ion:276 Resp: 601980

Ion Ratio Lower Upper

276 100

138 9.5 7.8 11.8

277 25.3 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 7.990 ng

RT: 23.774 min Scan# 3534

Delta R.T. -0.047 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

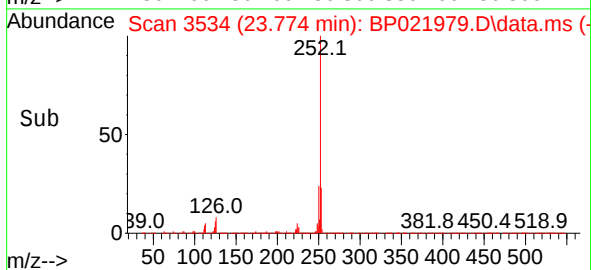
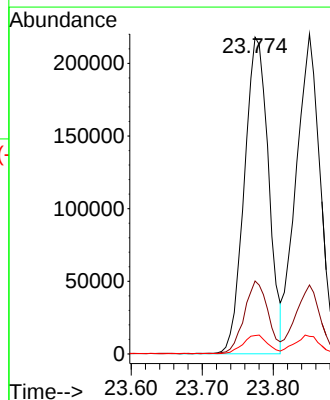
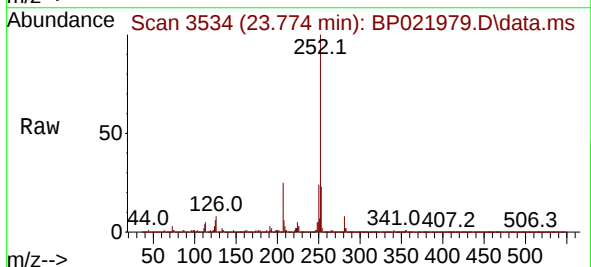
Tgt Ion:252 Resp: 517824

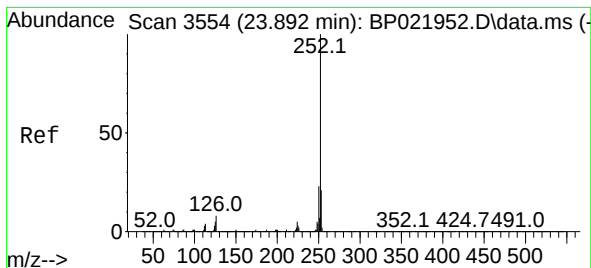
Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

125 5.8 4.2 6.2





#89

Benzo(k)fluoranthene

Concen: 8.445 ng

RT: 23.851 min Scan# 3554

Delta R.T. -0.041 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

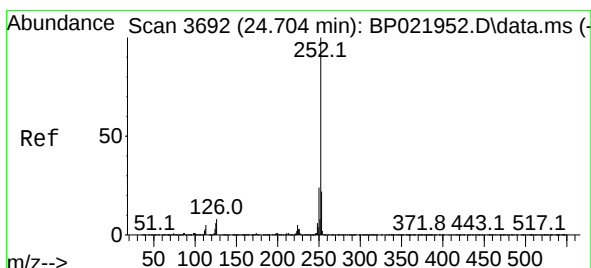
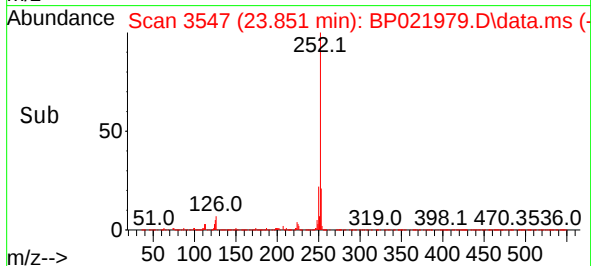
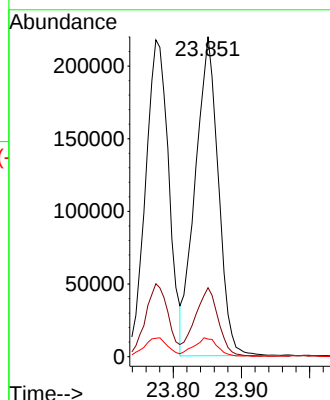
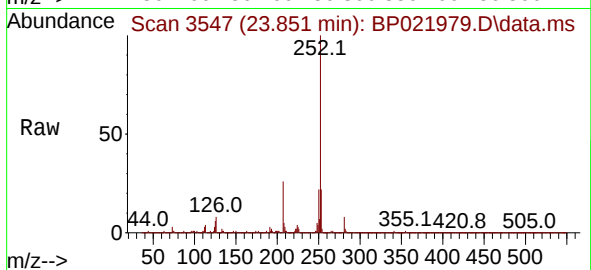
Tgt Ion:252 Resp: 517963

Ion Ratio Lower Upper

252 100

253 21.6 17.0 25.6

125 5.5 4.3 6.5



#90

Benzo(a)pyrene

Concen: 8.331 ng

RT: 24.657 min Scan# 3684

Delta R.T. -0.047 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

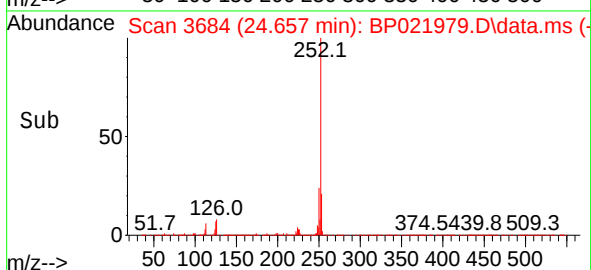
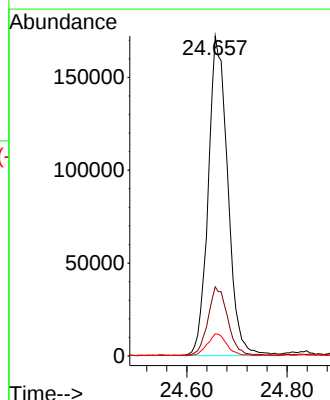
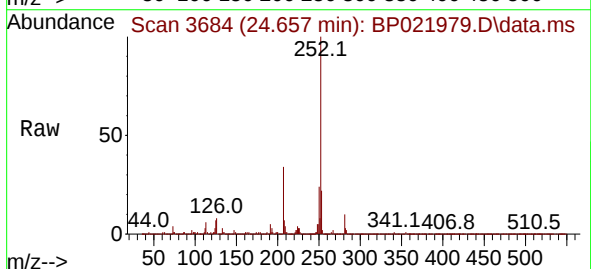
Tgt Ion:252 Resp: 465106

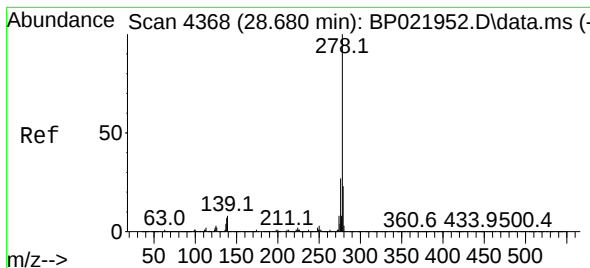
Ion Ratio Lower Upper

252 100

253 21.6 17.6 26.4

125 6.9 5.0 7.6





#91

Dibenzo(a,h)anthracene

Concen: 8.174 ng

RT: 28.609 min Scan# 441

Delta R.T. -0.070 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

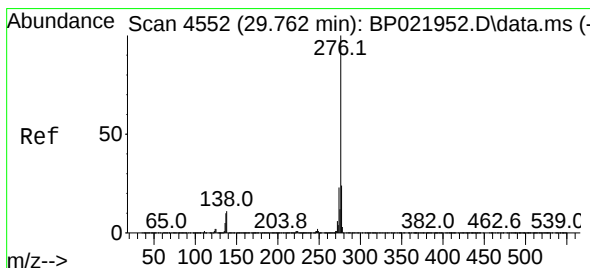
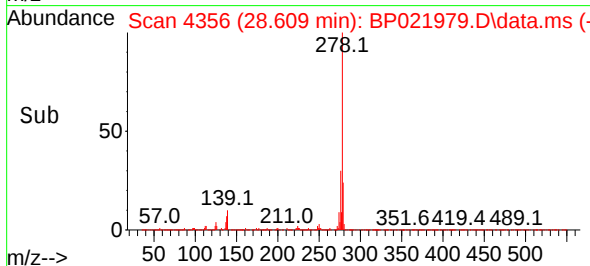
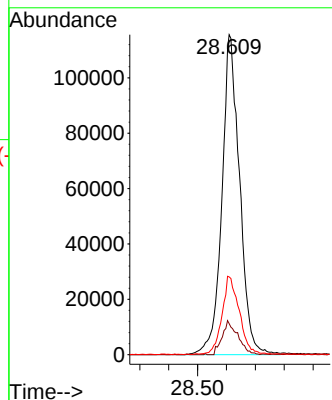
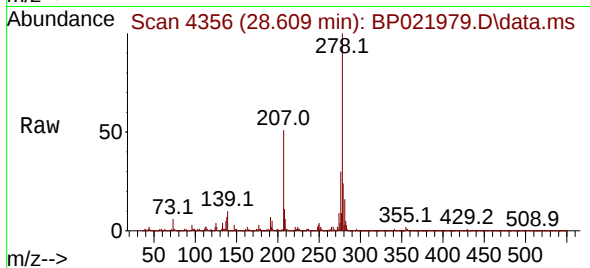
Tgt Ion:278 Resp: 491716

Ion Ratio Lower Upper

278 100

139 9.7 6.6 10.0

279 24.3 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 7.648 ng

RT: 29.698 min Scan# 4541

Delta R.T. -0.065 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Tgt Ion:276 Resp: 471284

Ion Ratio Lower Upper

276 100

277 24.2 19.3 28.9

138 12.6 9.2 13.8

