

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081424\
 Data File : BP021502.D
 Acq On : 14 Aug 2024 16:30
 Operator : RC/JU
 Sample : P3390-02
 Misc : LOQ-SOIL-10ng
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

Quant Time: Aug 14 17:04:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 14 17:03:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	329961	20.000	ng	0.00
21) Naphthalene-d8	10.593	136	1454336	20.000	ng	0.00
39) Acenaphthene-d10	14.445	164	934945	20.000	ng	-0.01
64) Phenanthrene-d10	17.245	188	1917404	20.000	ng	0.00
76) Chrysene-d12	21.692	240	1782628	20.000	ng	0.00
86) Perylene-d12	25.092	264	1858884	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	2691680	121.129	ng	0.00
7) Phenol-d6	6.958	99	3950656	121.873	ng	0.00
23) Nitrobenzene-d5	8.952	82	2586372	91.791	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	1281445	123.150	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	5172553	84.434	ng	0.00
79) Terphenyl-d14	19.969	244	7483171	81.552	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.317	88	105607	10.023	ng	99
3) Pyridine	3.705	79	264389	8.989	ng	99
4) n-Nitrosodimethylamine	3.617	42	90150	10.197	ng	# 95
6) Aniline	7.128	93	383904	11.846	ng	99
8) 2-Chlorophenol	7.369	128	211604	10.304	ng	99
9) Benzaldehyde	6.946	77	258511	12.455	ng	100
10) Phenol	6.987	94	336266	10.017	ng	99
11) bis(2-Chloroethyl)ether	7.228	93	290478	10.227	ng	99
12) 1,3-Dichlorobenzene	7.693	146	236297	9.687	ng	97
13) 1,4-Dichlorobenzene	7.840	146	241532	9.806	ng	98
14) 1,2-Dichlorobenzene	8.158	146	231798	9.766	ng	100
15) Benzyl Alcohol	8.028	79	247450	10.639	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.322	45	284946	10.894	ng	98
17) 2-Methylphenol	8.228	107	209116	9.854	ng	99
18) Hexachloroethane	8.887	117	98222	9.944	ng	100
19) n-Nitroso-di-n-propyla...	8.599	70	240730	10.751	ng	98
20) 3+4-Methylphenols	8.552	107	283014	9.891	ng	99
22) Acetophenone	8.610	105	455623	10.198	ng	# 98
24) Nitrobenzene	8.987	77	326870	10.681	ng	98
25) Isophorone	9.510	82	670161	10.068	ng	99
26) 2-Nitrophenol	9.699	139	60427	12.868	ng	88
27) 2,4-Dimethylphenol	9.757	122	154169	9.385	ng	97
28) bis(2-Chloroethoxy)met...	9.999	93	413352	10.173	ng	100
29) 2,4-Dichlorophenol	10.228	162	186086	9.587	ng	96
30) 1,2,4-Trichlorobenzene	10.452	180	233681	9.391	ng	99
31) Naphthalene	10.640	128	742802	9.777	ng	99
32) Benzoic acid	9.810	122	56346	10.182	ng	98
33) 4-Chloroaniline	10.734	127	299690	10.501	ng	96
34) Hexachlorobutadiene	10.934	225	145733	9.301	ng	97
35) Caprolactam	11.469	113	73912	9.149	ng	97
36) 4-Chloro-3-methylphenol	11.857	107	254067	9.436	ng	96
37) 2-Methylnaphthalene	12.257	142	510874	9.852	ng	99
38) 1-Methylnaphthalene	12.475	142	478868	9.364	ng	97
40) 1,2,4,5-Tetrachloroben...	12.628	216	281450	10.274	ng	99
41) Hexachlorocyclopentadiene	12.616	237	95624	11.014	ng	98
43) 2,4,6-Trichlorophenol	12.857	196	144544	9.499	ng	96

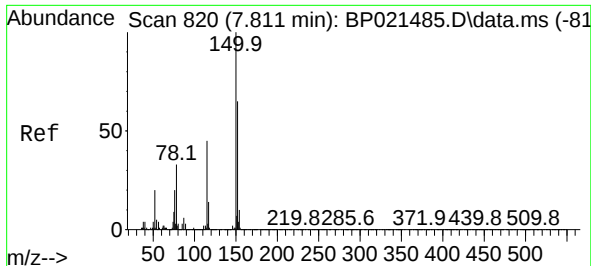
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081424\
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 14 17:03:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.928	196	166071	9.823	ng	97
46) 1,1'-Biphenyl	13.269	154	689055	10.417	ng	98
47) 2-Chloronaphthalene	13.310	162	522187	10.140	ng	99
48) 2-Nitroaniline	13.504	65	116774	9.753	ng	100
49) Acenaphthylene	14.163	152	822307	10.862	ng	100
50) Dimethylphthalate	13.898	163	636055	10.159	ng	99
51) 2,6-Dinitrotoluene	14.010	165	100597	10.986	ng	96
52) Acenaphthene	14.510	154	491747	9.900	ng	98
53) 3-Nitroaniline	14.334	138	104944	11.480	ng	# 91
54) 2,4-Dinitrophenol	14.540	184	23731	7.349	ng	# 81
55) Dibenzofuran	14.851	168	790929	10.351	ng	99
56) 4-Nitrophenol	14.634	139	74964	8.228	ng	92
57) 2,4-Dinitrotoluene	14.798	165	114010	10.922	ng	97
58) Fluorene	15.504	166	634821	10.113	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.075	232	143015	9.966	ng	99
60) Diethylphthalate	15.287	149	632766	9.850	ng	99
61) 4-Chlorophenyl-phenyle...	15.510	204	332935	10.260	ng	98
62) 4-Nitroaniline	15.504	138	102790	10.495	ng	87
63) Azobenzene	15.810	77	827126	10.474	ng	99
65) 4,6-Dinitro-2-methylph...	15.575	198	35438	12.065	ng	95
66) n-Nitrosodiphenylamine	15.728	169	533507	10.383	ng	100
67) 4-Bromophenyl-phenylether	16.428	248	189930	9.359	ng	96
68) Hexachlorobenzene	16.539	284	234038	9.759	ng	97
69) Atrazine	16.704	200	181876	10.309	ng	99
70) Pentachlorophenol	16.881	266	101070	7.722	ng	96
71) Phenanthrene	17.292	178	959910	10.410	ng	100
72) Anthracene	17.392	178	917929	10.150	ng	100
73) Carbazole	17.657	167	848534	9.736	ng	99
74) Di-n-butylphthalate	18.263	149	992028	9.268	ng	99
75) Fluoranthene	19.375	202	1066662	9.428	ng	99
77) Benzidine	19.569	184	389999	10.428	ng	98
78) Pyrene	19.745	202	1118309	9.598	ng	100
80) Butylbenzylphthalate	20.704	149	318595	9.839	ng	93
81) Benzo(a)anthracene	21.674	228	1113040	9.946	ng	99
82) 3,3'-Dichlorobenzidine	21.598	252	359119	10.009	ng	97
83) Chrysene	21.745	228	1035221	9.798	ng	99
84) Bis(2-ethylhexyl)phtha...	21.639	149	592518	10.130	ng	99
85) Di-n-octyl phthalate	22.957	149	807047	11.083	ng	98
87) Indeno(1,2,3-cd)pyrene	28.968	276	981138	8.143	ng	92
88) Benzo(b)fluoranthene	24.027	252	1022599	9.578	ng	99
89) Benzo(k)fluoranthene	24.098	252	1058423	10.163	ng	99
90) Benzo(a)pyrene	24.939	252	933021	10.071	ng	99
91) Dibenzo(a,h)anthracene	29.056	278	986640	9.855	ng	99
92) Benzo(g,h,i)perylene	30.168	276	932496	9.293	ng	97

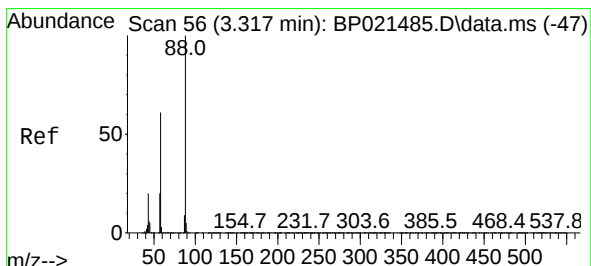
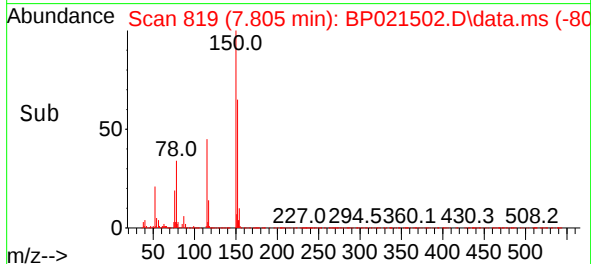
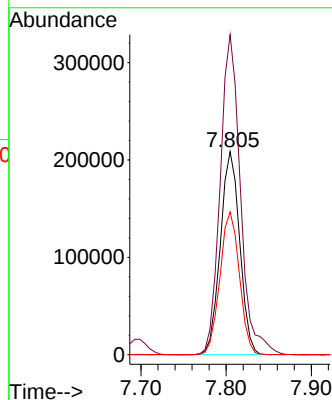
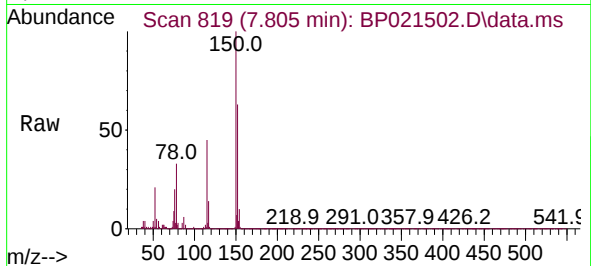
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

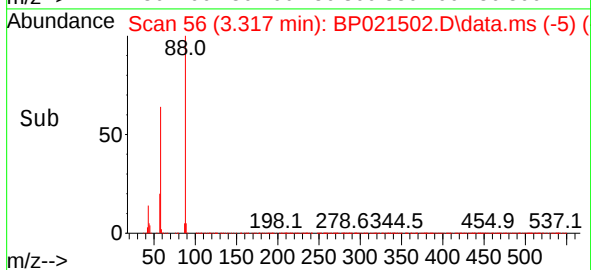
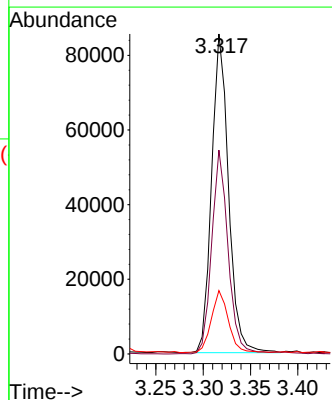
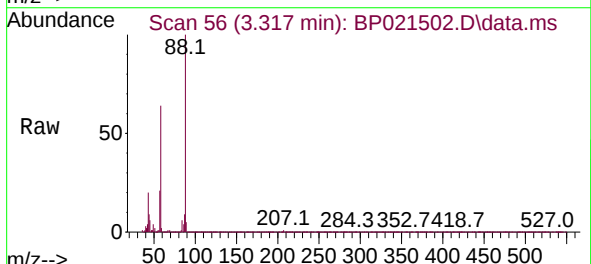
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

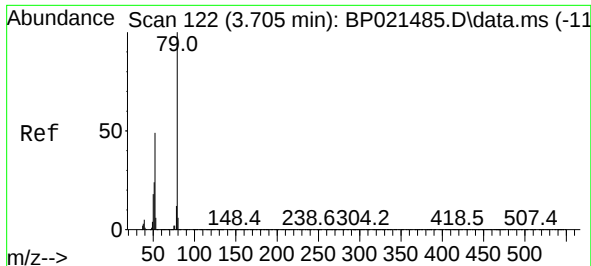
Tgt Ion:152 Resp: 329961
Ion Ratio Lower Upper
152 100
150 157.6 122.4 183.6
115 70.3 54.7 82.1



#2
1,4-Dioxane
Concen: 10.023 ng
RT: 3.317 min Scan# 56
Delta R.T. -0.000 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion: 88 Resp: 105607
Ion Ratio Lower Upper
88 100
58 62.2 48.7 73.1
43 19.5 15.4 23.2





#3

Pyridine

Concen: 8.989 ng

RT: 3.705 min Scan# 11

Delta R.T. -0.000 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

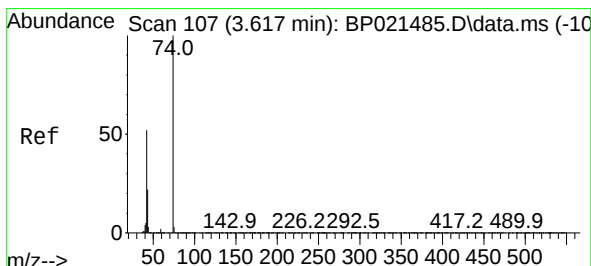
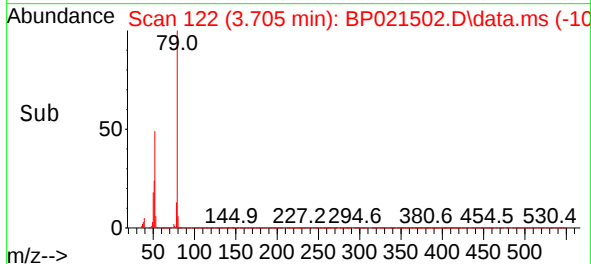
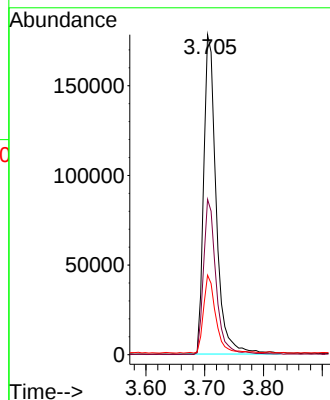
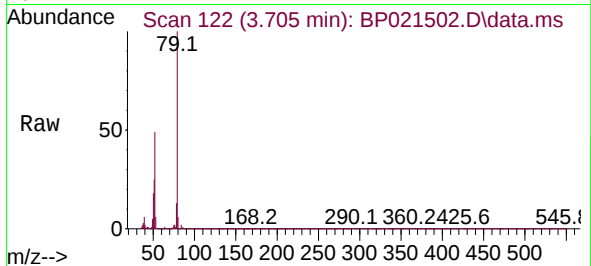
Tgt Ion: 79 Resp: 264389

Ion Ratio Lower Upper

79 100

52 48.6 39.0 58.6

51 24.9 19.2 28.8



#4

n-Nitrosodimethylamine

Concen: 10.197 ng

RT: 3.617 min Scan# 107

Delta R.T. -0.000 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

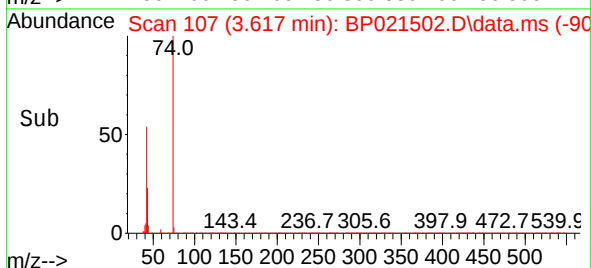
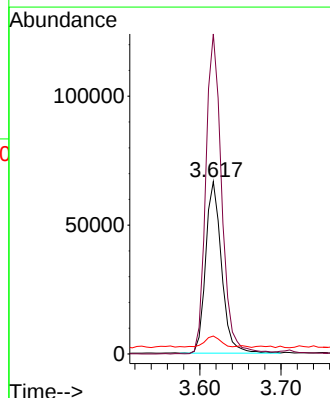
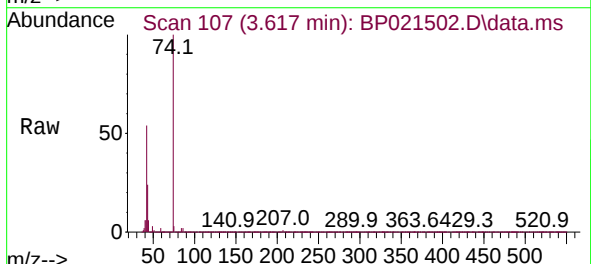
Tgt Ion: 42 Resp: 90150

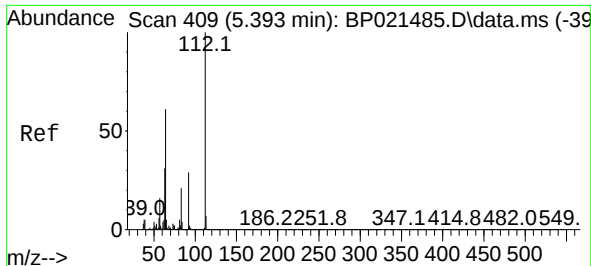
Ion Ratio Lower Upper

42 100

74 185.6 154.3 231.5

44 10.4 6.2 9.4#

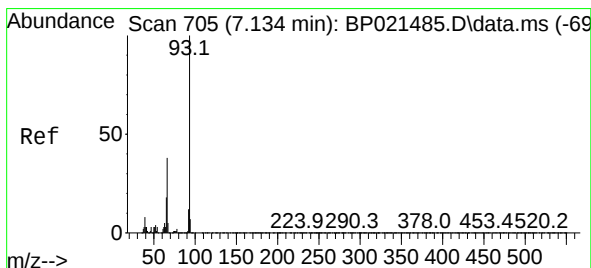
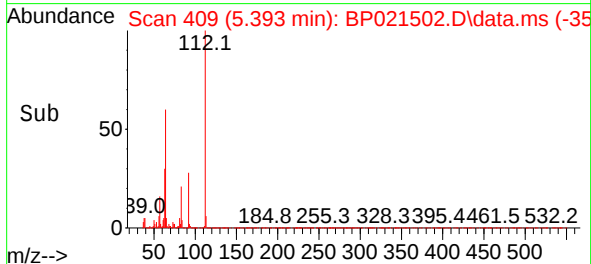
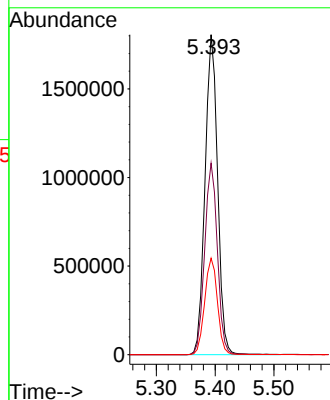
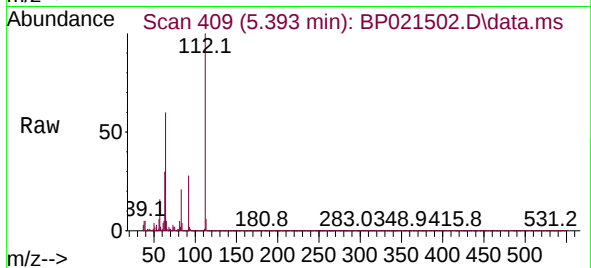




#5
2-Fluorophenol
Concen: 121.129 ng
RT: 5.393 min Scan# 409
Delta R.T. -0.000 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

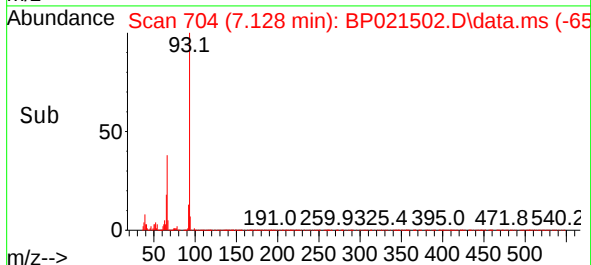
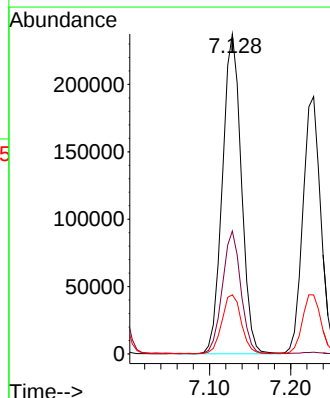
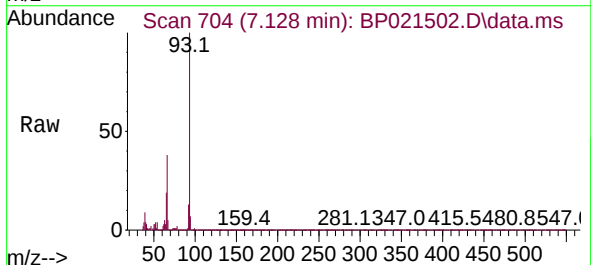
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

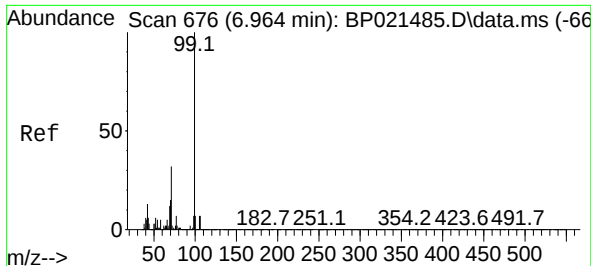
Tgt Ion:112 Resp: 2691680
Ion Ratio Lower Upper
112 100
64 59.8 49.0 73.6
63 30.2 24.6 36.8



#6
Aniline
Concen: 11.846 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion: 93 Resp: 383904
Ion Ratio Lower Upper
93 100
66 38.4 30.2 45.2
65 18.5 14.7 22.1

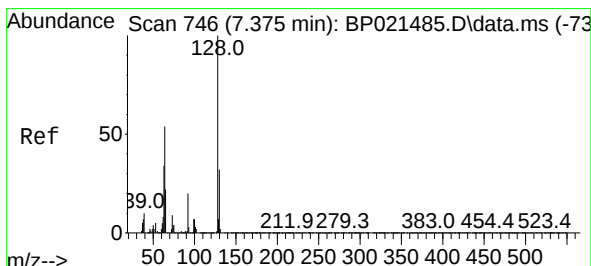
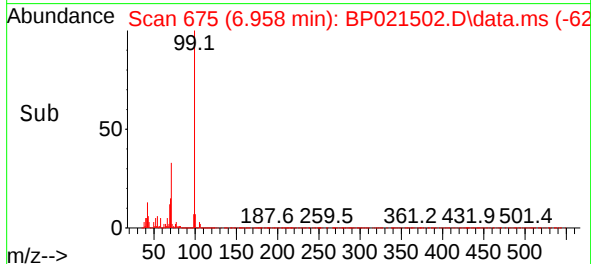
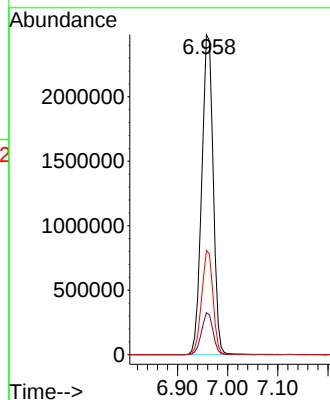
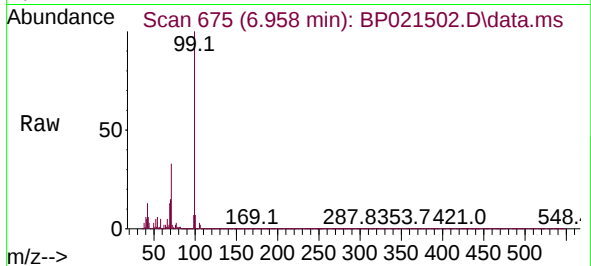




#7
Phenol-d6
Concen: 121.873 ng
RT: 6.958 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

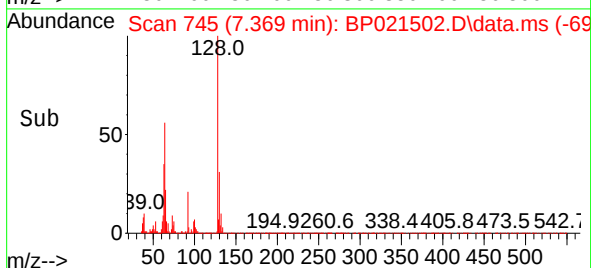
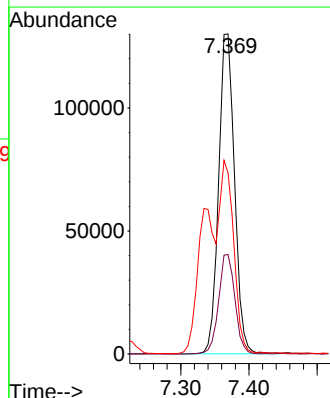
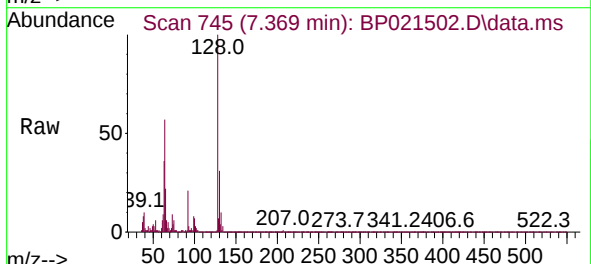
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ClientSampleId :
LOQ-SOIL-02-QT3-2024

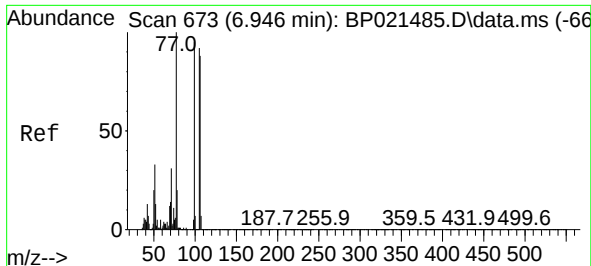
Tgt Ion: 99 Resp: 3950656
Ion Ratio Lower Upper
99 100
42 13.1 10.2 15.4
71 32.6 25.8 38.8



#8
2-Chlorophenol
Concen: 10.304 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion:128 Resp: 211604
Ion Ratio Lower Upper
128 100
130 31.0 11.6 51.6
64 56.5 35.3 75.3

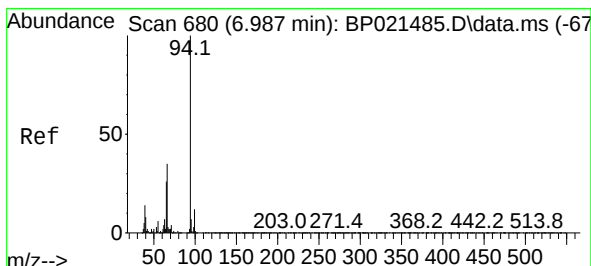
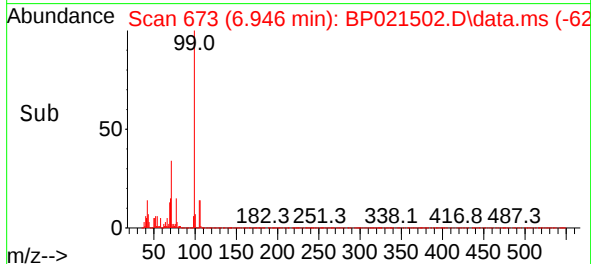
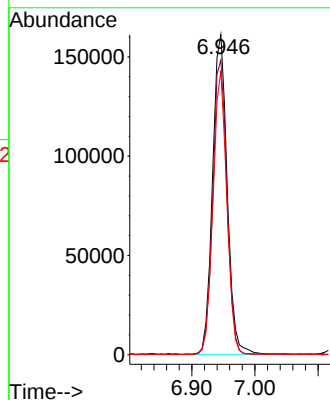
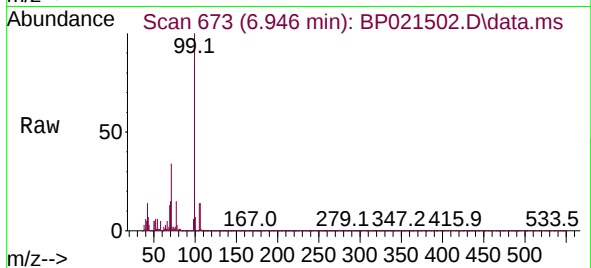




#9
Benzaldehyde
Concen: 12.455 ng
RT: 6.946 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

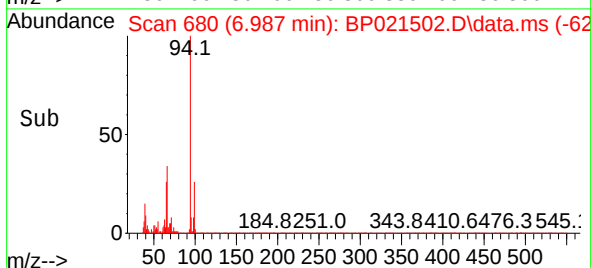
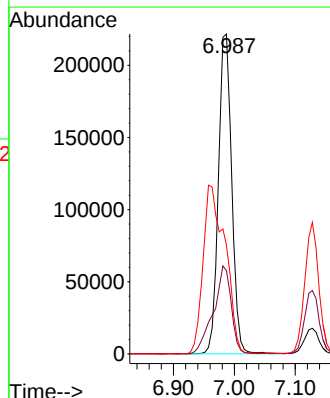
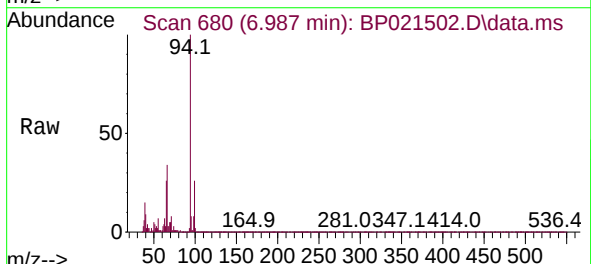
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

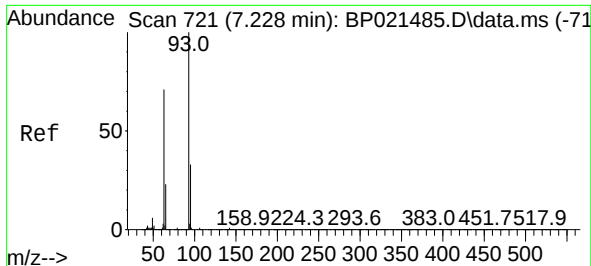
Tgt Ion: 77 Resp: 258511
Ion Ratio Lower Upper
77 100
105 92.1 72.1 112.1
106 88.7 67.9 107.9



#10
Phenol
Concen: 10.017 ng
RT: 6.987 min Scan# 680
Delta R.T. -0.000 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion: 94 Resp: 336266
Ion Ratio Lower Upper
94 100
65 26.1 6.5 46.5
66 34.0 14.7 54.7

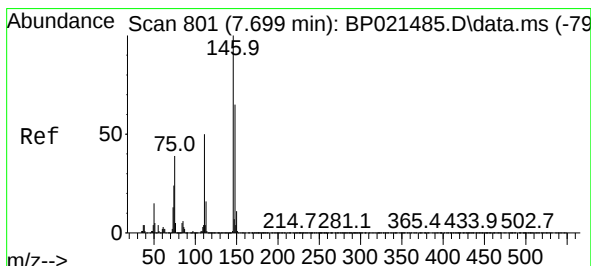
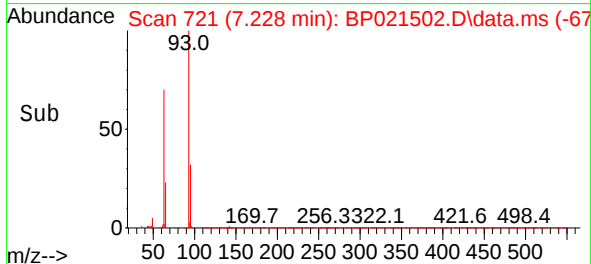
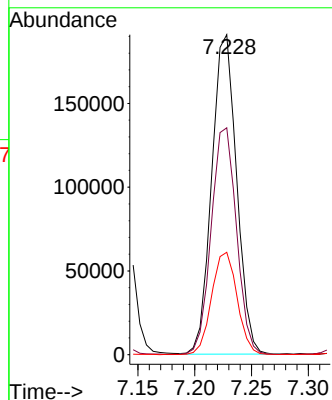
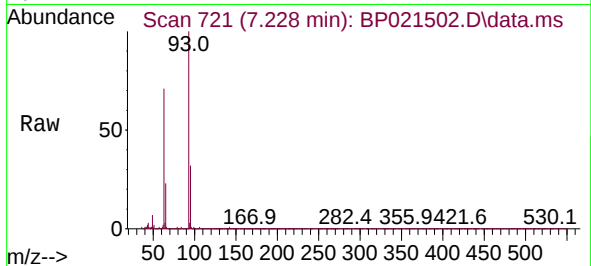




#11
bis(2-Chloroethyl)ether
Concen: 10.227 ng
RT: 7.228 min Scan# 71
Delta R.T. -0.000 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

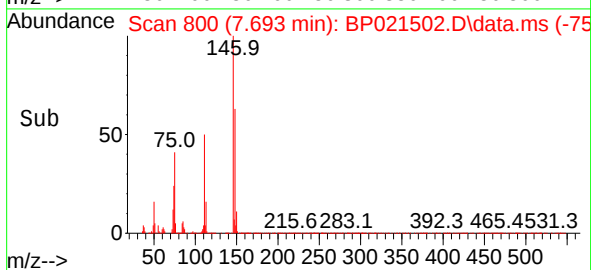
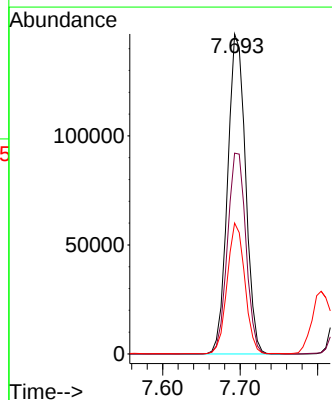
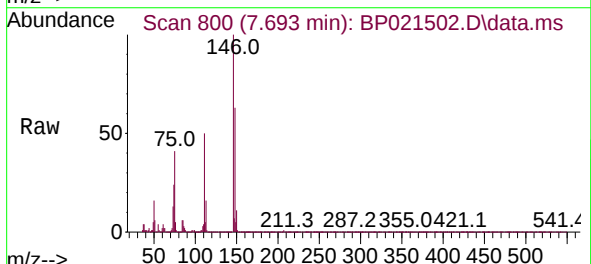
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

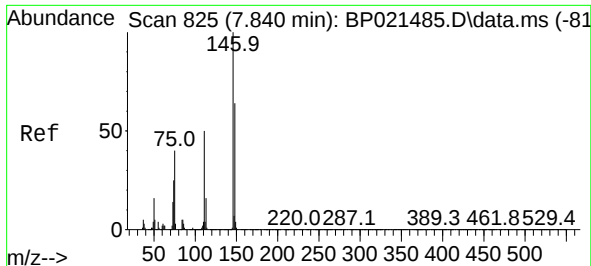
Tgt Ion: 93 Resp: 290478
Ion Ratio Lower Upper
93 100
63 70.9 51.0 91.0
95 32.0 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 9.687 ng
RT: 7.693 min Scan# 800
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion:146 Resp: 236297
Ion Ratio Lower Upper
146 100
148 62.7 51.8 77.6
75 40.9 31.3 46.9

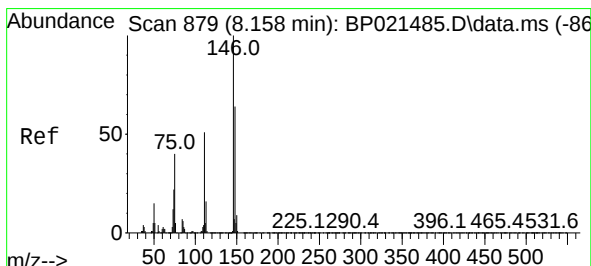
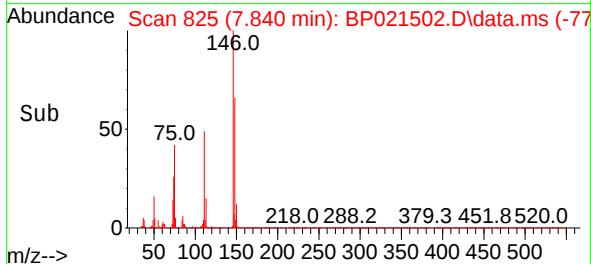
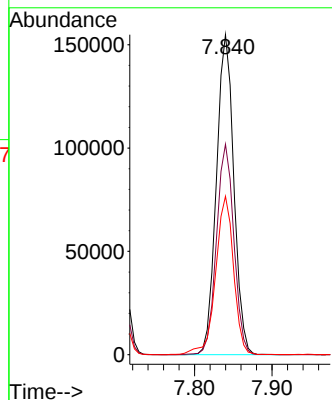
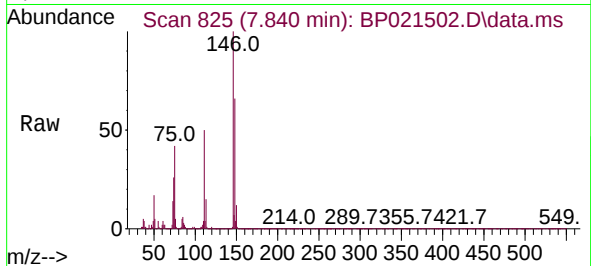




#13
1,4-Dichlorobenzene
Concen: 9.806 ng
RT: 7.840 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

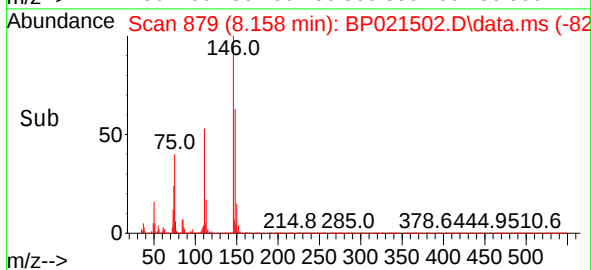
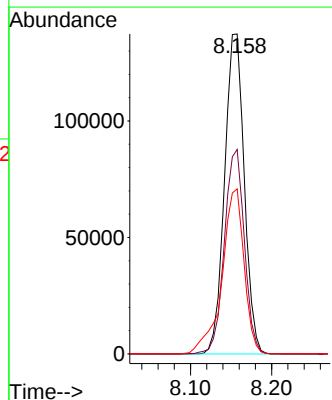
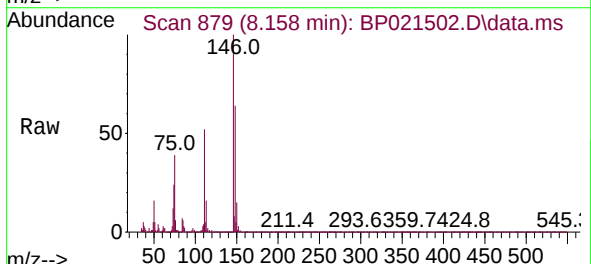
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

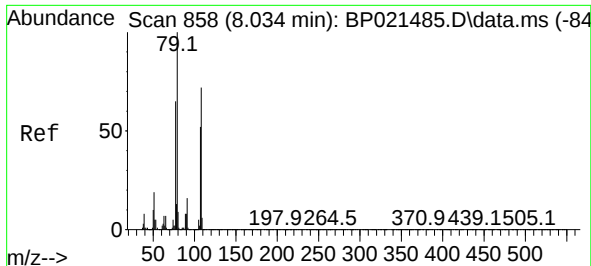
Tgt Ion:146 Resp: 241532
Ion Ratio Lower Upper
146 100
148 65.8 51.5 77.3
111 49.5 40.3 60.5



#14
1,2-Dichlorobenzene
Concen: 9.766 ng
RT: 8.158 min Scan# 879
Delta R.T. -0.000 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion:146 Resp: 231798
Ion Ratio Lower Upper
146 100
148 63.9 51.5 77.3
111 51.6 41.1 61.7

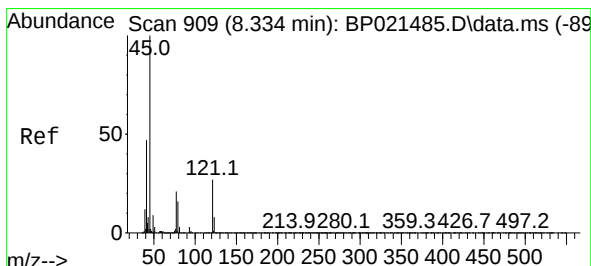
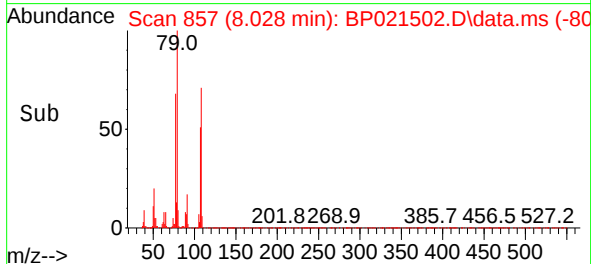
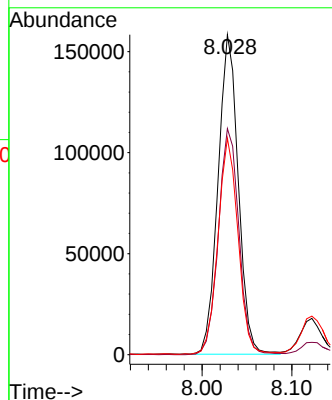
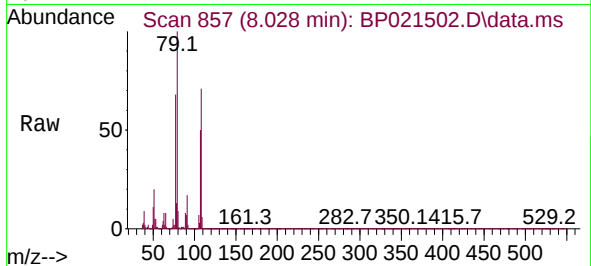




#15
Benzyl Alcohol
Concen: 10.639 ng
RT: 8.028 min Scan# 857
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

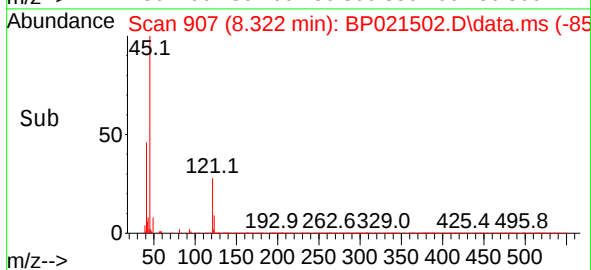
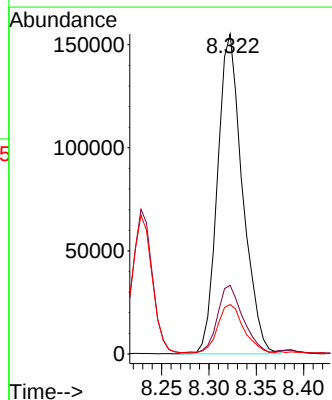
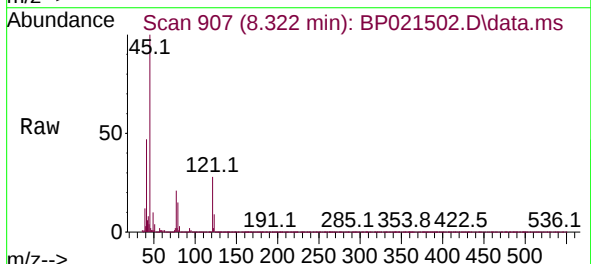
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

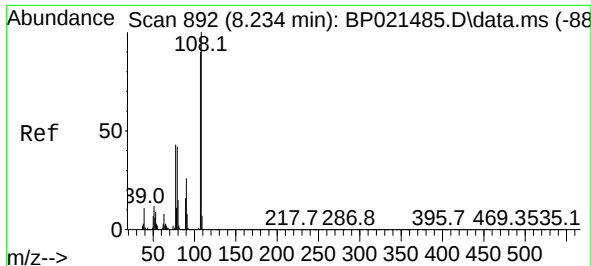
Tgt Ion: 79 Resp: 247450
Ion Ratio Lower Upper
79 100
108 70.7 57.9 86.9
77 67.7 51.8 77.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.894 ng
RT: 8.322 min Scan# 907
Delta R.T. -0.012 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion: 45 Resp: 284946
Ion Ratio Lower Upper
45 100
77 21.4 1.9 41.9
79 15.4 0.0 36.6

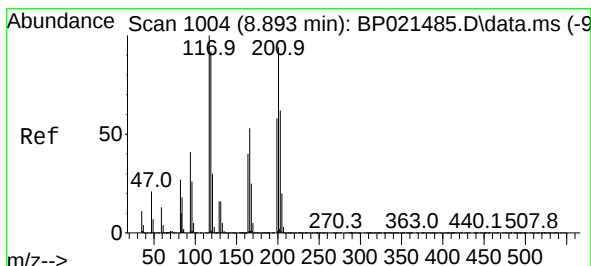
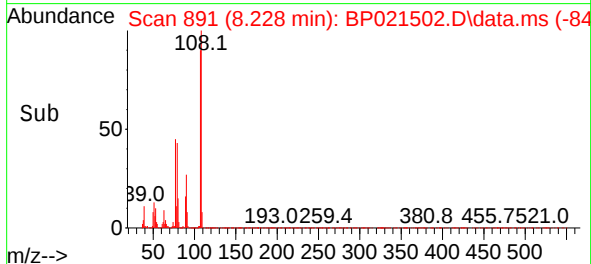
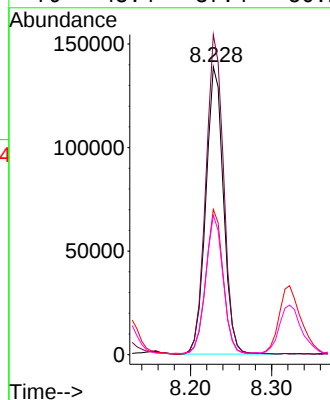
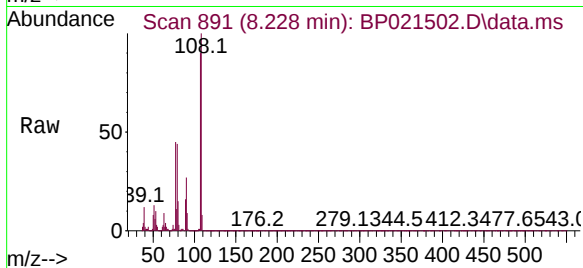




#17
2-Methylphenol
Concen: 9.854 ng
RT: 8.228 min Scan# 891
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

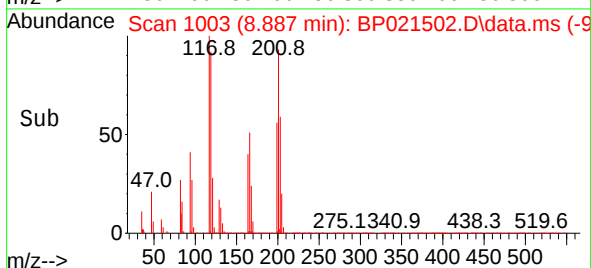
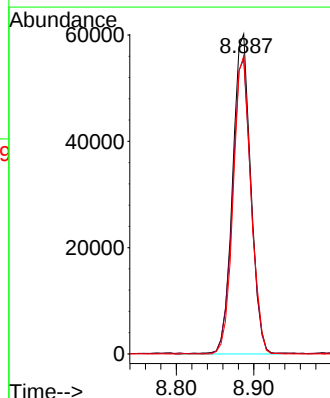
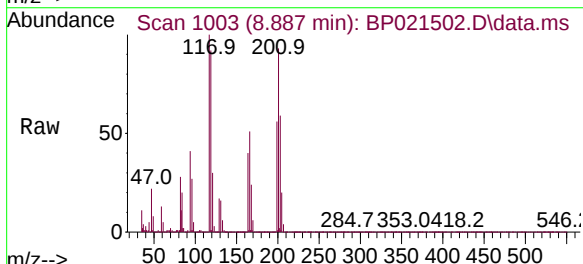
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

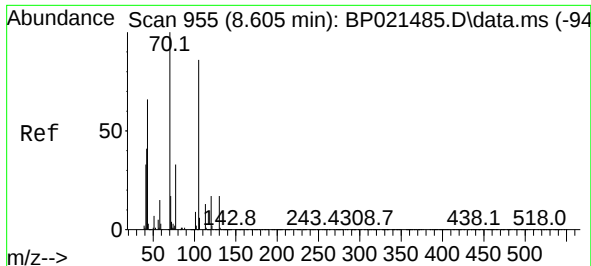
Tgt Ion:	107	Resp:	209116
Ion	Ratio	Lower	Upper
107	100		
108	111.2	88.8	133.2
77	50.5	38.7	58.1
79	48.4	37.4	56.2



#18
Hexachloroethane
Concen: 9.944 ng
RT: 8.887 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion:	117	Resp:	98222
Ion	Ratio	Lower	Upper
117	100		
119	92.0	73.9	110.9
201	93.2	74.9	112.3





#19

n-Nitroso-di-n-propylamine

Concen: 10.751 ng

RT: 8.599 min Scan# 954

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion: 70 Resp: 240730

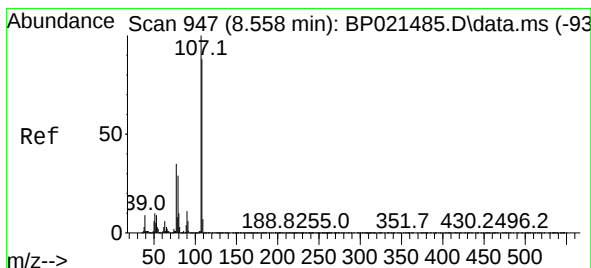
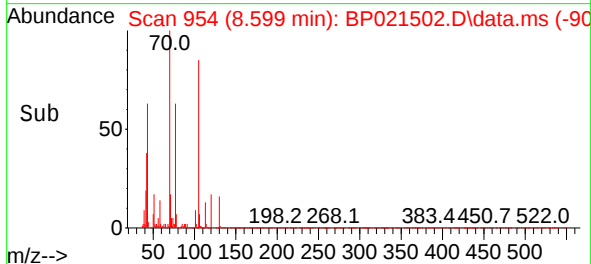
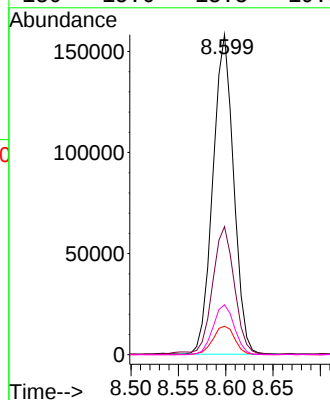
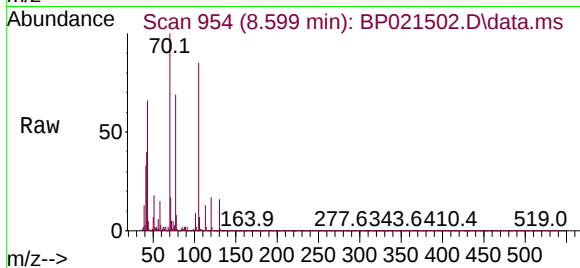
Ion Ratio Lower Upper

70 100

42 40.0 33.1 49.7

101 8.9 7.4 11.2

130 15.6 13.3 19.9



#20

3+4-Methylphenols

Concen: 9.891 ng

RT: 8.552 min Scan# 946

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Tgt Ion:107 Resp: 283014

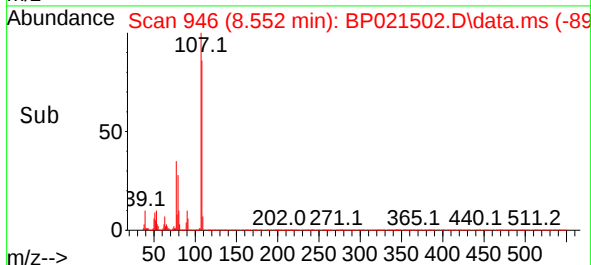
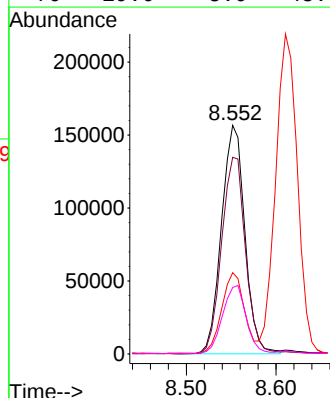
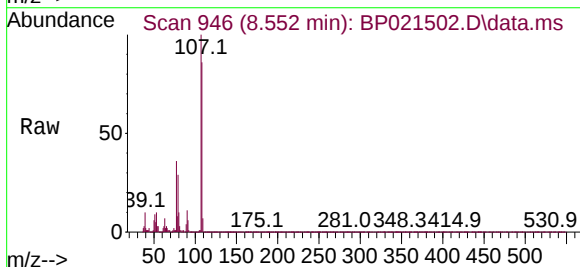
Ion Ratio Lower Upper

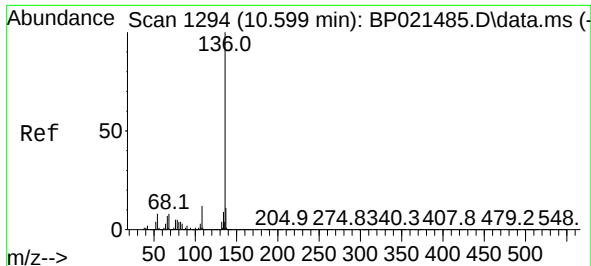
107 100

108 86.0 67.6 107.6

77 35.6 15.0 55.0

79 29.0 8.9 48.9

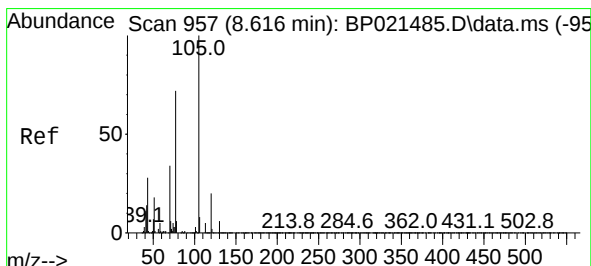
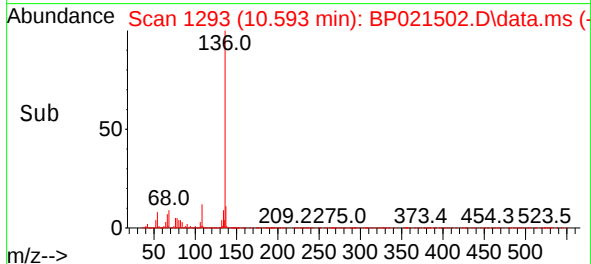
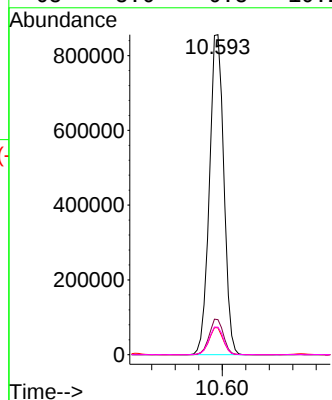
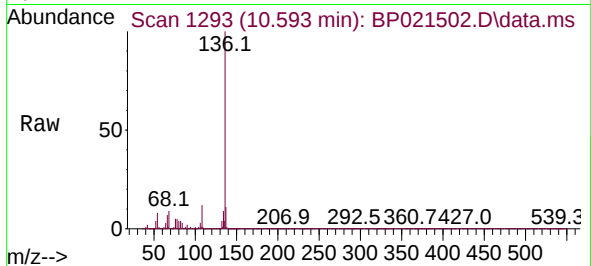




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

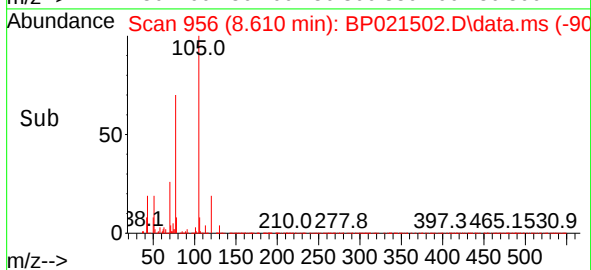
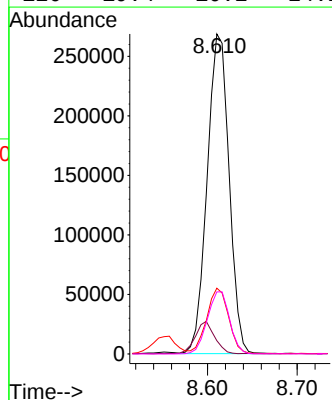
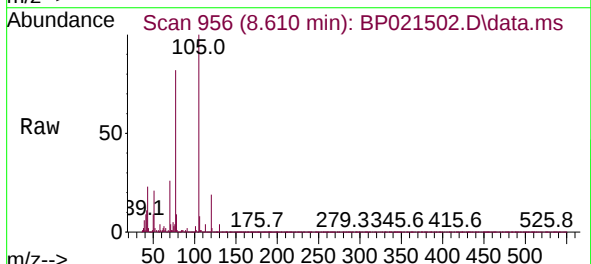
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

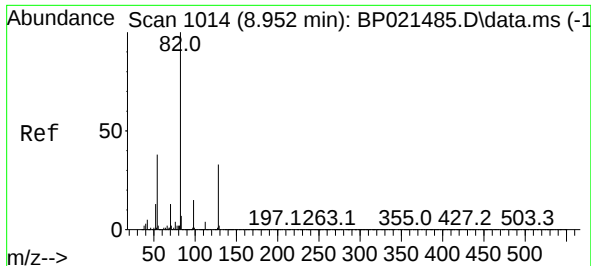
Tgt Ion:136 Resp: 1454336
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.4 6.3 9.5
68 8.6 6.8 10.2



#22
Acetophenone
Concen: 10.198 ng
RT: 8.610 min Scan# 956
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion:105 Resp: 455623
Ion Ratio Lower Upper
105 100
71 4.2 4.6 7.0#
51 20.6 16.3 24.5
120 19.4 16.2 24.2





#23

Nitrobenzene-d5

Concen: 91.791 ng

RT: 8.952 min Scan# 1014

Delta R.T. -0.000 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

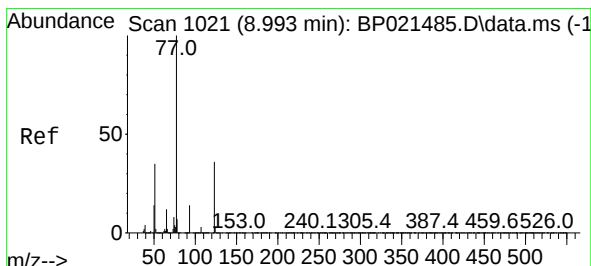
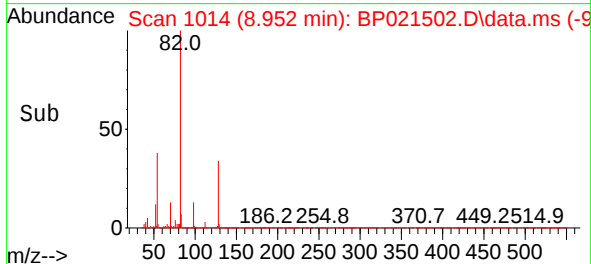
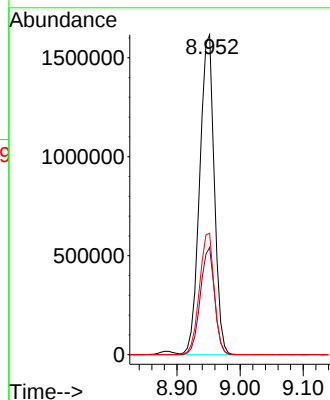
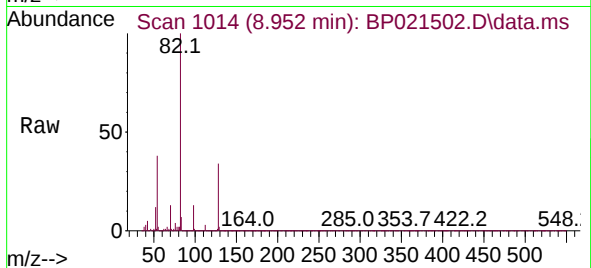
Tgt Ion: 82 Resp: 2586372

Ion Ratio Lower Upper

82 100

128 33.5 26.5 39.7

54 37.9 30.3 45.5



#24

Nitrobenzene

Concen: 10.681 ng

RT: 8.987 min Scan# 1020

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

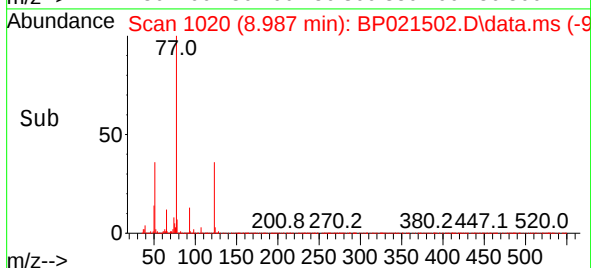
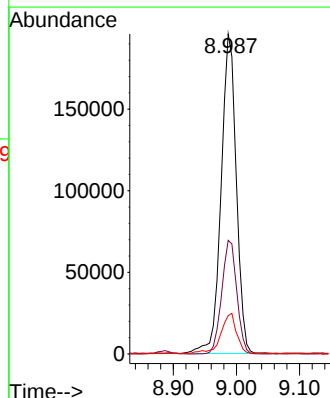
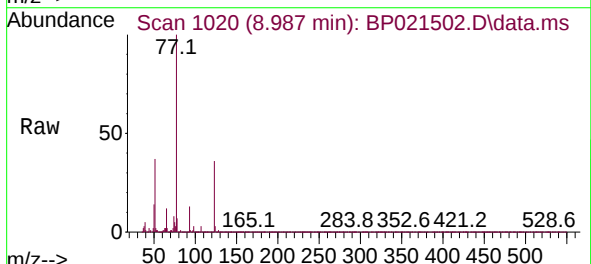
Tgt Ion: 77 Resp: 326870

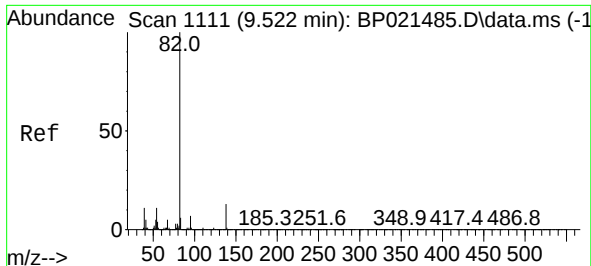
Ion Ratio Lower Upper

77 100

123 35.5 29.5 44.3

65 12.0 9.9 14.9





#25

Isophorone

Concen: 10.068 ng

RT: 9.510 min Scan# 1109

Delta R.T. -0.012 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

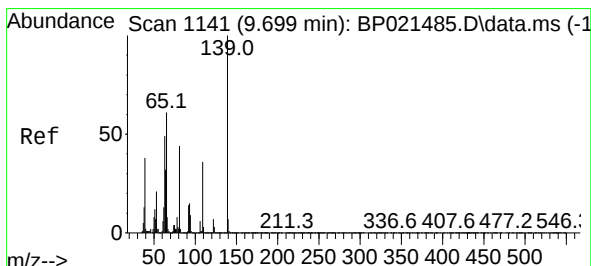
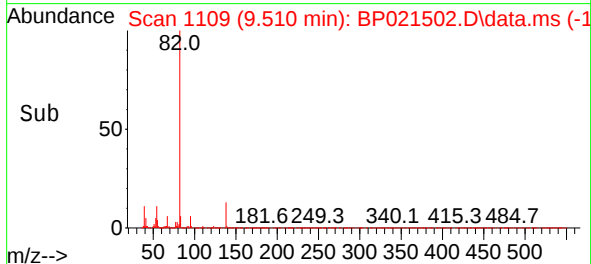
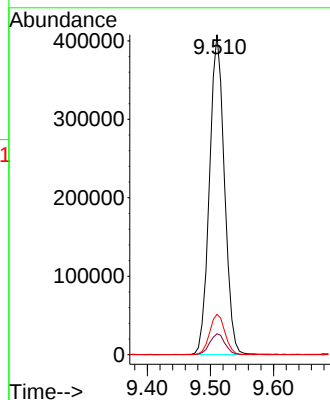
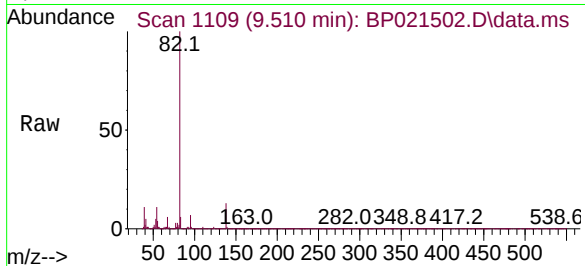
Tgt Ion: 82 Resp: 670161

Ion Ratio Lower Upper

82 100

95 6.6 5.4 8.2

138 12.6 10.6 16.0



#26

2-Nitrophenol

Concen: 12.868 ng

RT: 9.699 min Scan# 1141

Delta R.T. -0.000 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

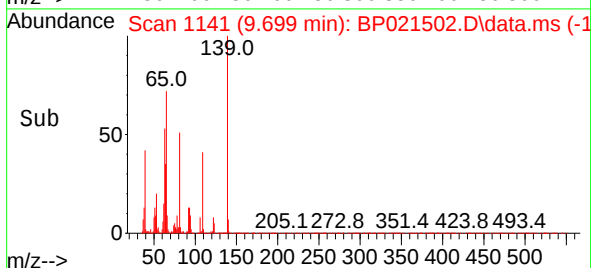
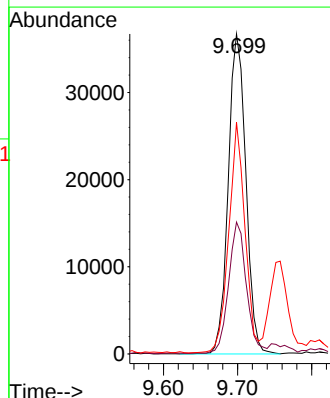
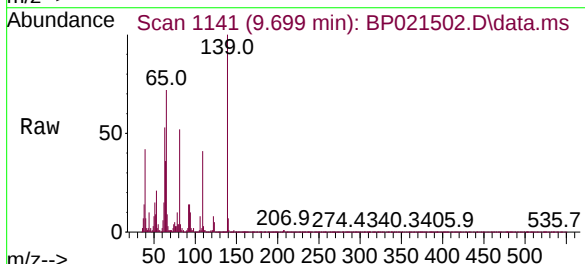
Tgt Ion:139 Resp: 60427

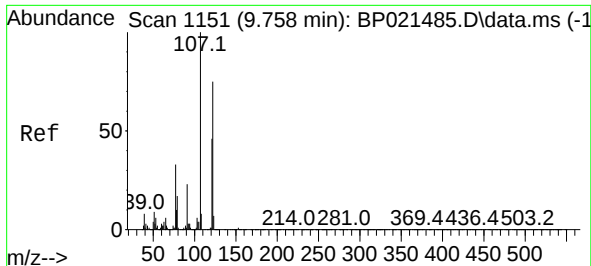
Ion Ratio Lower Upper

139 100

109 41.2 28.9 43.3

65 72.4 49.0 73.6

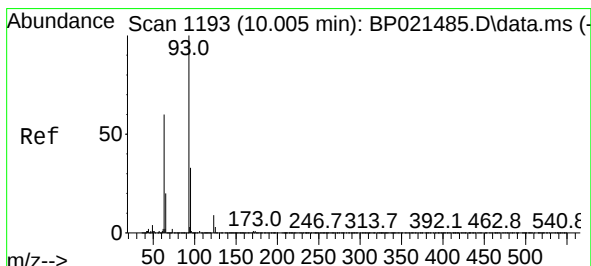
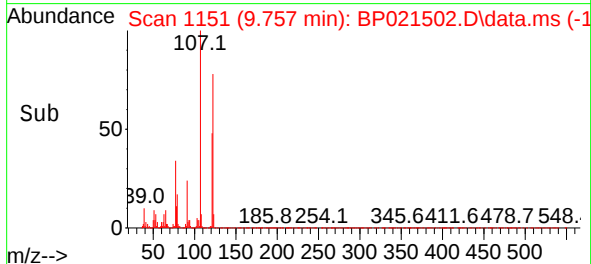
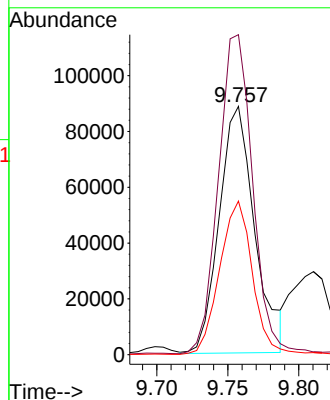
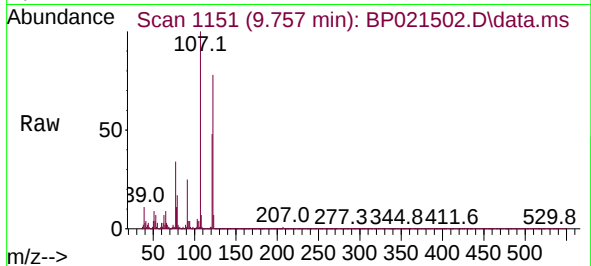




#27
2,4-Dimethylphenol
Concen: 9.385 ng
RT: 9.757 min Scan# 1151
Delta R.T. -0.000 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

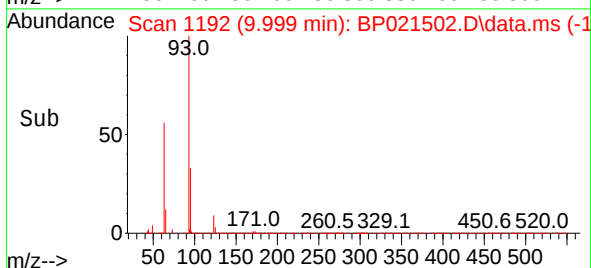
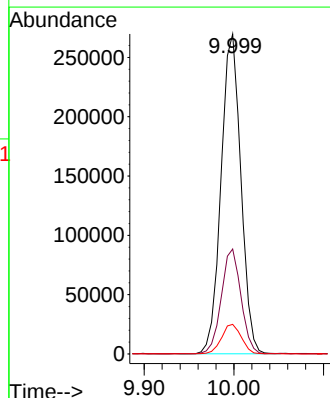
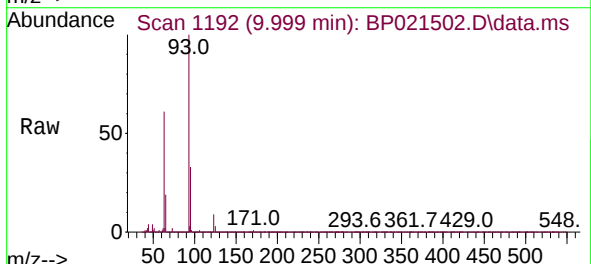
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT3-2024

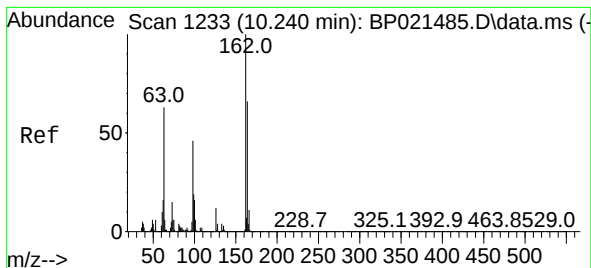
Tgt Ion:122 Resp: 154169
Ion Ratio Lower Upper
122 100
107 128.9 106.2 159.4
121 61.9 48.8 73.2



#28
bis(2-Chloroethoxy)methane
Concen: 10.173 ng
RT: 9.999 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion: 93 Resp: 413352
Ion Ratio Lower Upper
93 100
95 32.8 26.2 39.4
123 9.2 7.6 11.4





#29

2,4-Dichlorophenol

Concen: 9.587 ng

RT: 10.228 min Scan# 1231

Delta R.T. -0.012 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

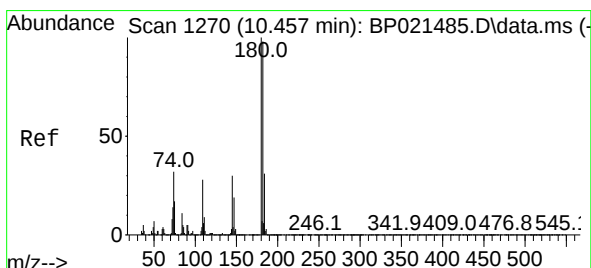
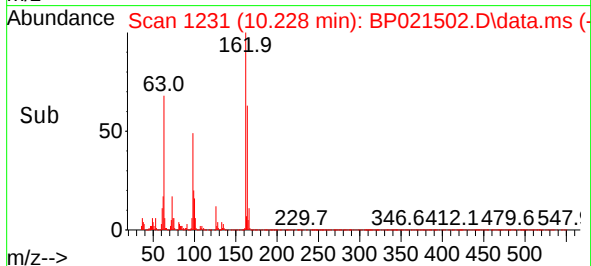
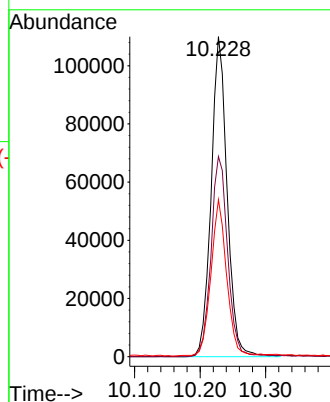
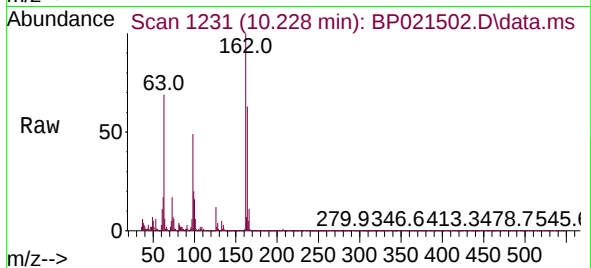
Tgt Ion:162 Resp: 186086

Ion Ratio Lower Upper

162 100

164 62.5 45.9 85.9

98 49.0 26.3 66.3



#30

1,2,4-Trichlorobenzene

Concen: 9.391 ng

RT: 10.452 min Scan# 1269

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

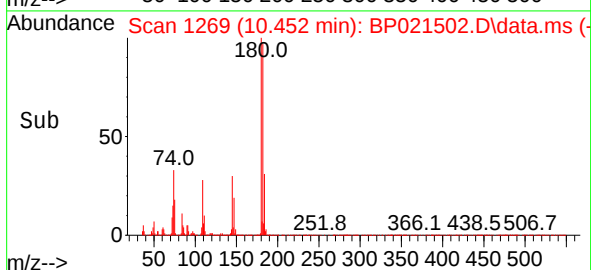
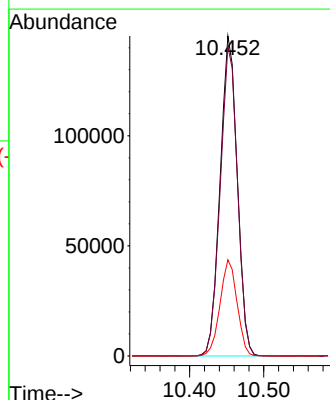
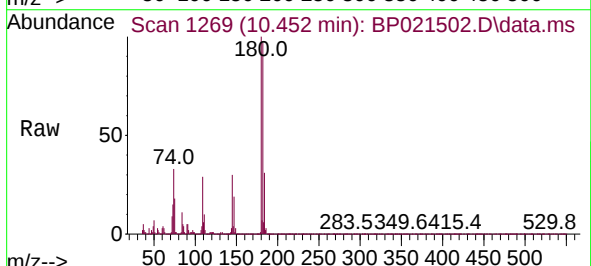
Tgt Ion:180 Resp: 233681

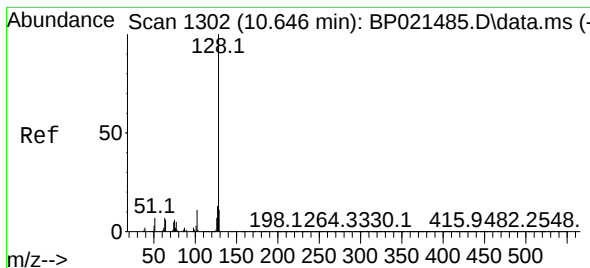
Ion Ratio Lower Upper

180 100

182 96.7 78.3 117.5

145 30.1 24.0 36.0





#31

Naphthalene

Concen: 9.777 ng

RT: 10.640 min Scan# 1160

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

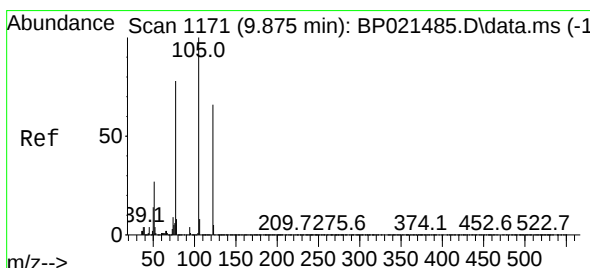
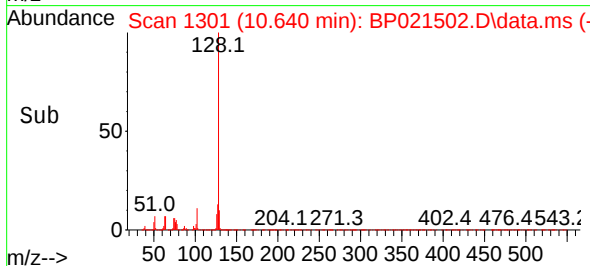
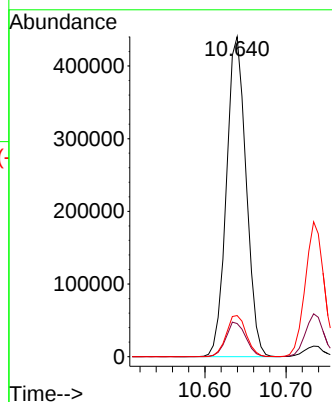
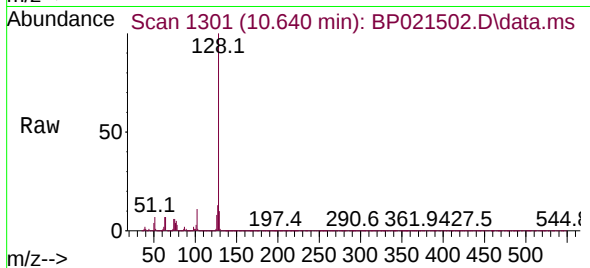
Tgt Ion:128 Resp: 742802

Ion Ratio Lower Upper

128 100

129 10.4 8.6 12.8

127 12.8 10.6 15.8



#32

Benzoic acid

Concen: 10.182 ng

RT: 9.810 min Scan# 1160

Delta R.T. -0.065 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

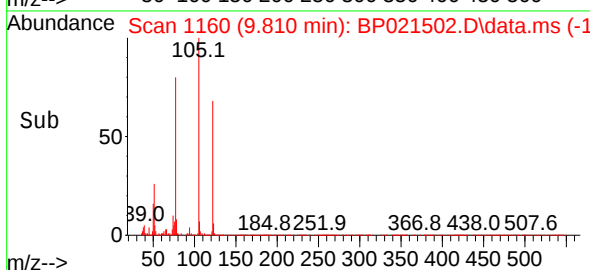
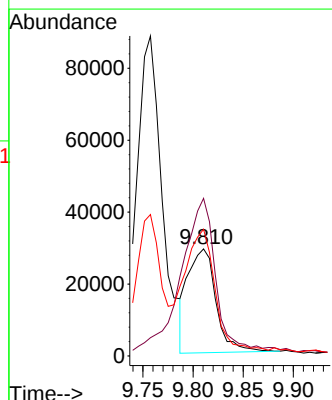
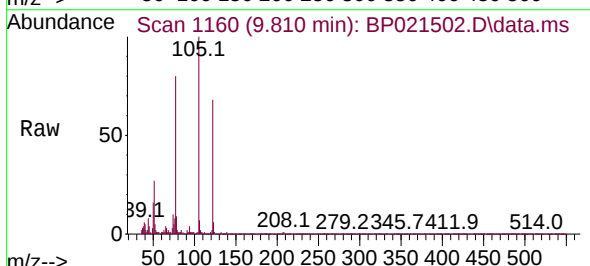
Tgt Ion:122 Resp: 56346

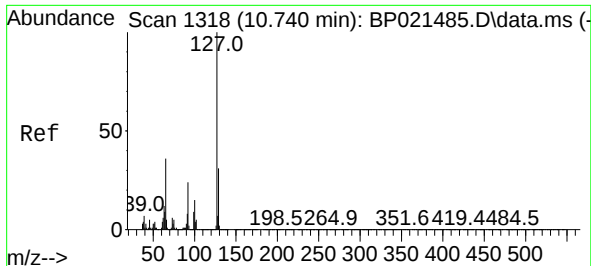
Ion Ratio Lower Upper

122 100

105 147.1 124.6 164.6

77 118.4 96.2 136.2





#33

4-Chloroaniline

Concen: 10.501 ng

RT: 10.734 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:127 Resp: 299690

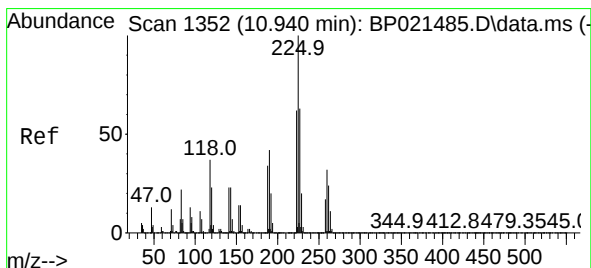
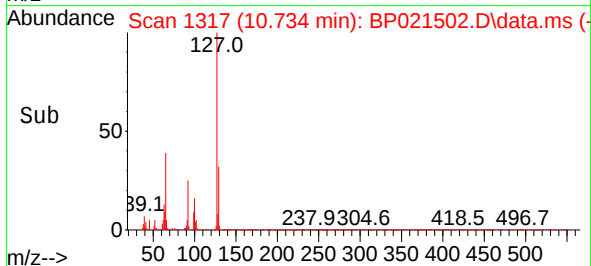
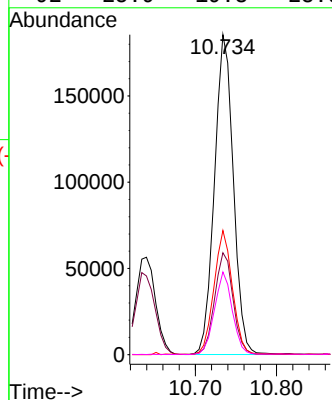
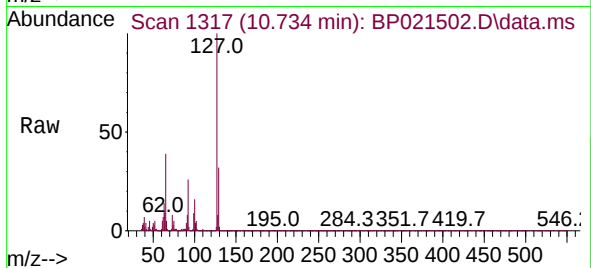
Ion Ratio Lower Upper

127 100

129 31.8 24.5 36.7

65 38.8 28.9 43.3

92 25.9 19.3 28.9



#34

Hexachlorobutadiene

Concen: 9.301 ng

RT: 10.934 min Scan# 1351

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

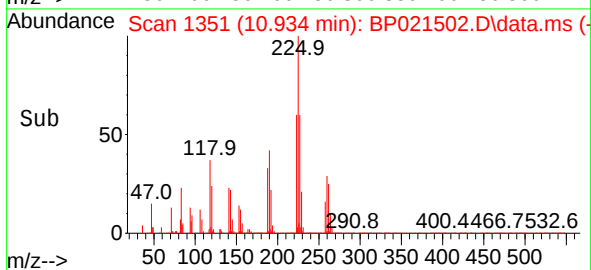
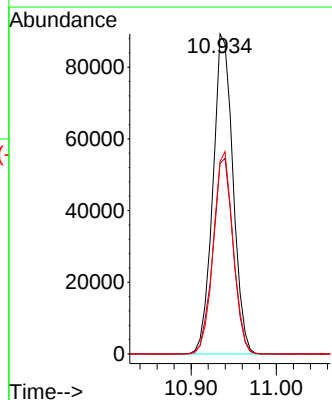
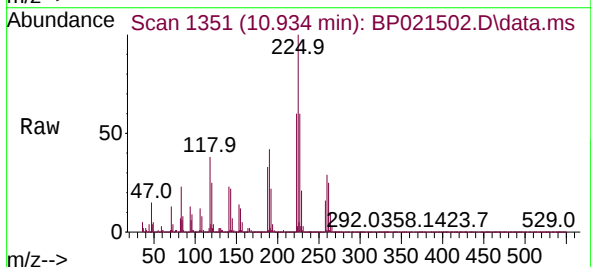
Tgt Ion:225 Resp: 145733

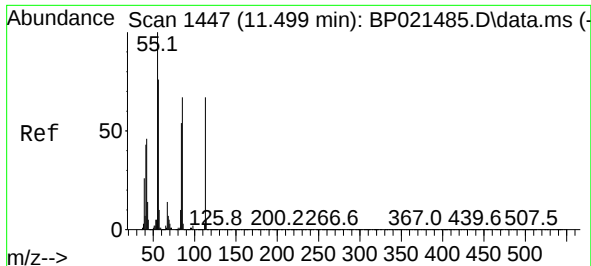
Ion Ratio Lower Upper

225 100

223 59.5 49.6 74.4

227 60.2 50.1 75.1





#35

Caprolactam

Concen: 9.149 ng

RT: 11.469 min Scan# 1447

Delta R.T. -0.030 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

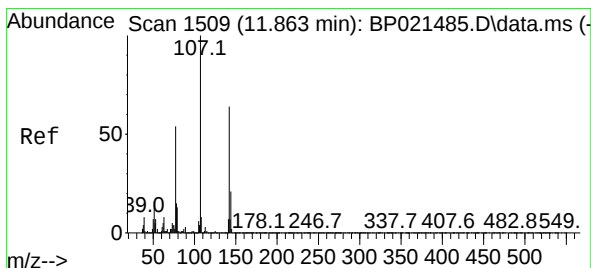
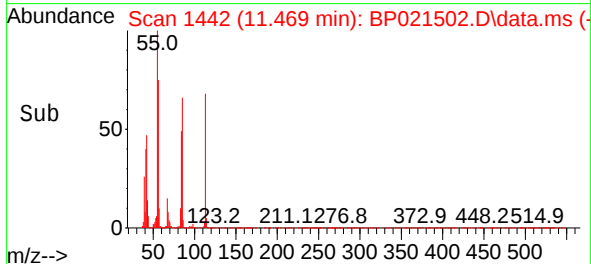
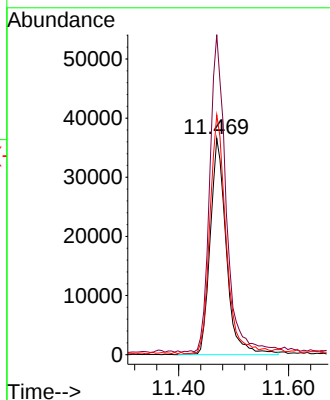
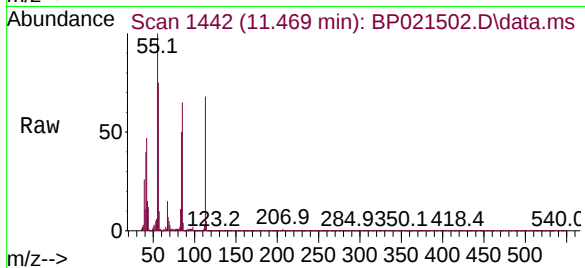
Tgt Ion:113 Resp: 73912

Ion Ratio Lower Upper

113 100

55 148.0 130.6 170.6

56 110.9 94.6 134.6



#36

4-Chloro-3-methylphenol

Concen: 9.436 ng

RT: 11.857 min Scan# 1508

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

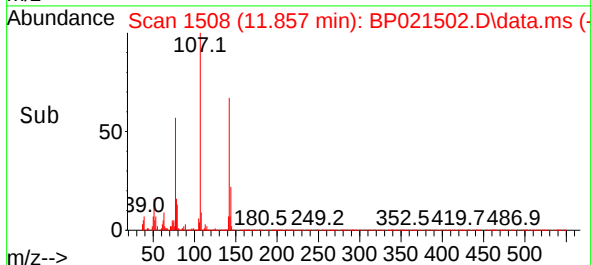
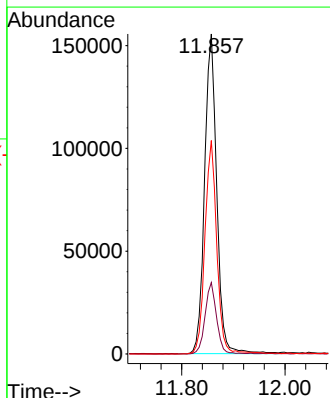
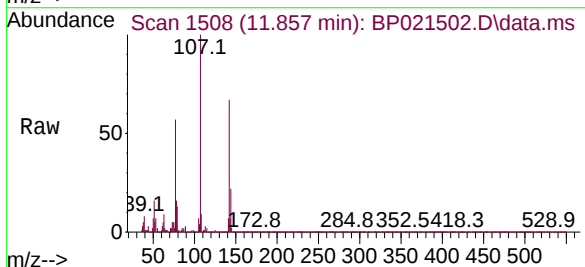
Tgt Ion:107 Resp: 254067

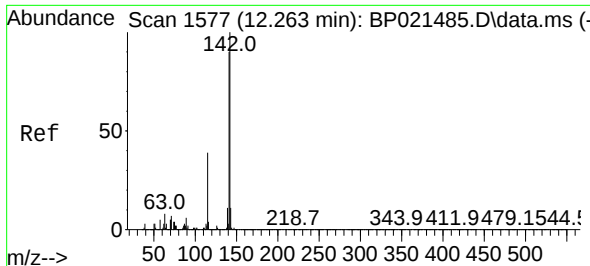
Ion Ratio Lower Upper

107 100

144 22.3 16.6 24.8

142 66.7 51.0 76.4

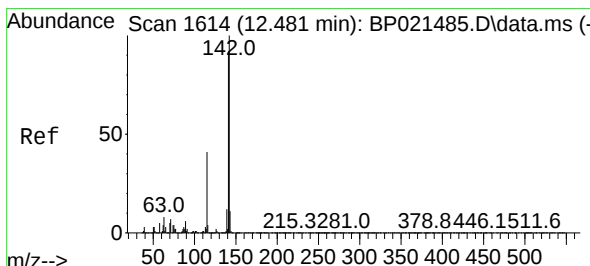
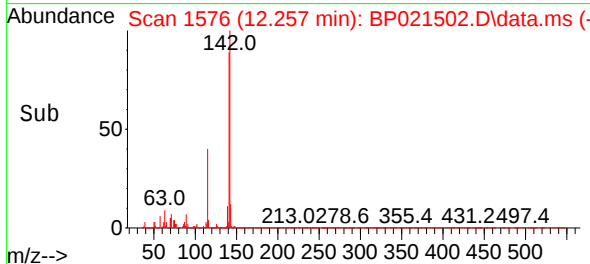
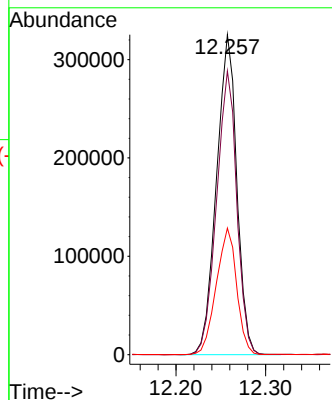
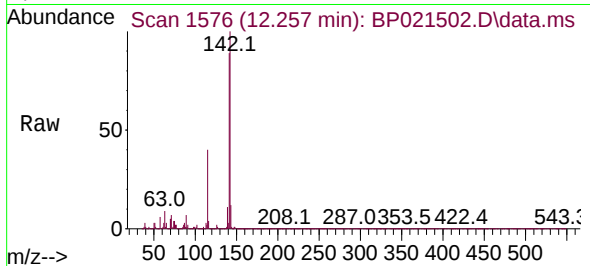




#37
2-Methylnaphthalene
Concen: 9.852 ng
RT: 12.257 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

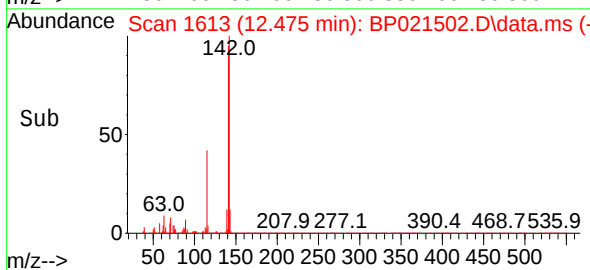
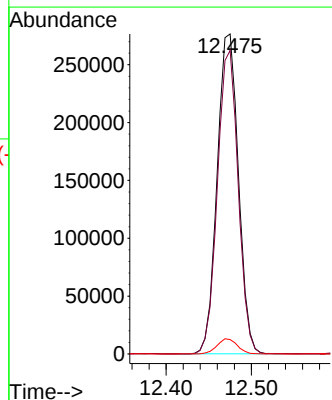
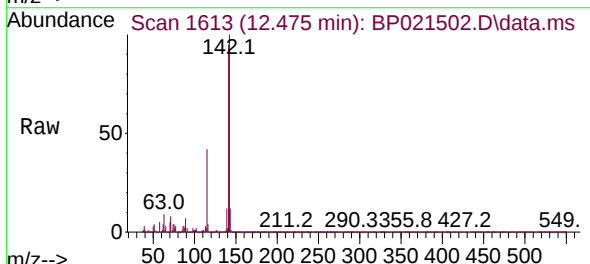
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

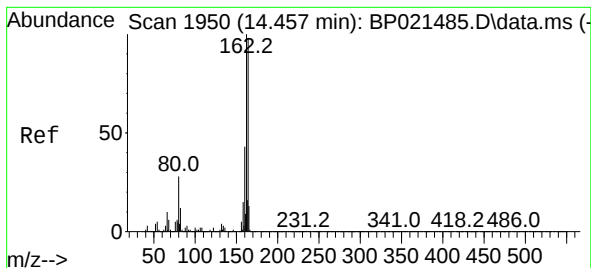
Tgt Ion:142 Resp: 510874
Ion Ratio Lower Upper
142 100
141 88.6 71.7 107.5
115 39.6 31.4 47.2



#38
1-Methylnaphthalene
Concen: 9.364 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion:142 Resp: 478868
Ion Ratio Lower Upper
142 100
141 94.8 73.5 110.3
116 4.5 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.445 min Scan# 1948

Delta R.T. -0.012 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

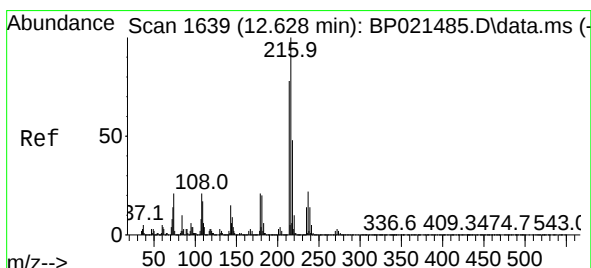
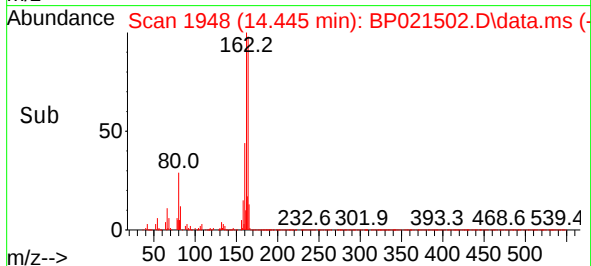
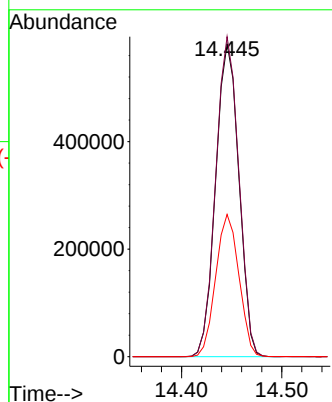
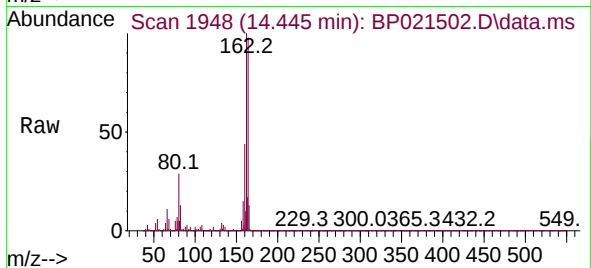
Tgt Ion:164 Resp: 934945

Ion Ratio Lower Upper

164 100

162 102.3 81.5 122.3

160 45.5 35.2 52.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.274 ng

RT: 12.628 min Scan# 1639

Delta R.T. -0.000 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Tgt Ion:216 Resp: 281450

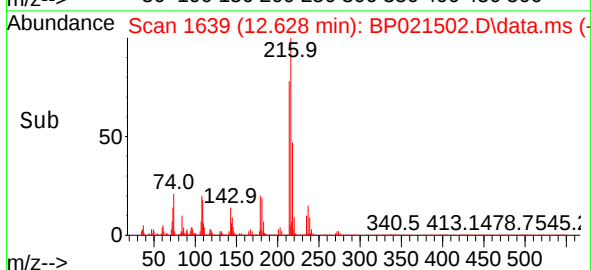
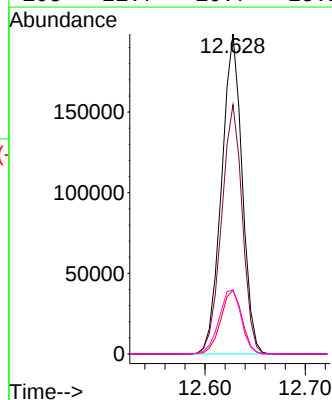
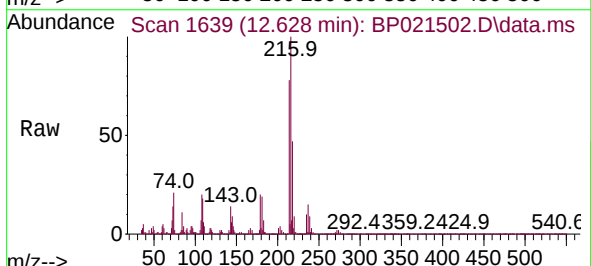
Ion Ratio Lower Upper

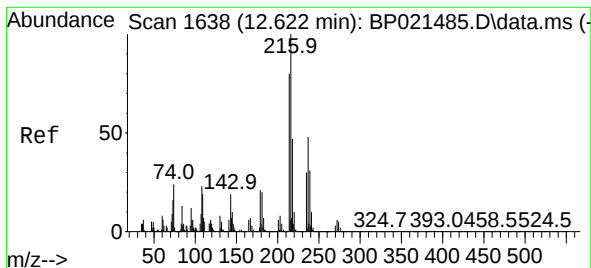
216 100

214 78.7 62.5 93.7

179 20.5 16.4 24.6

108 21.7 16.7 25.1





#41

Hexachlorocyclopentadiene

Concen: 11.014 ng

RT: 12.616 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

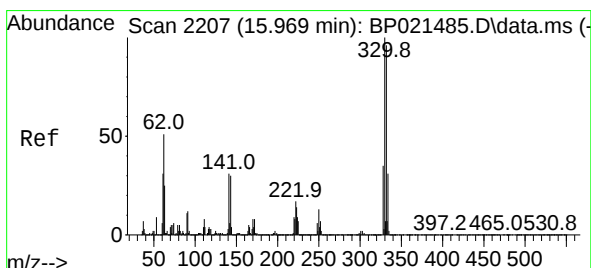
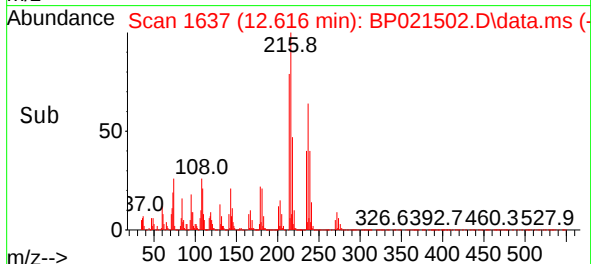
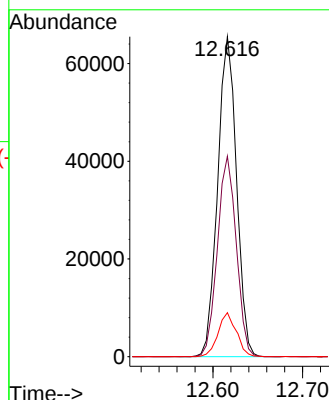
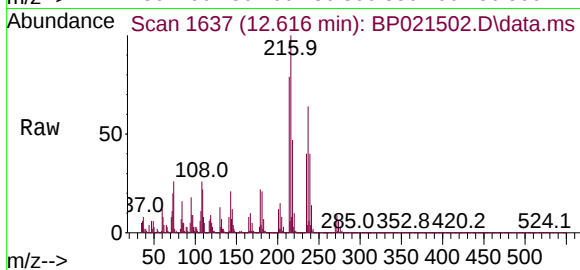
Tgt Ion:237 Resp: 95624

Ion Ratio Lower Upper

237 100

235 62.7 43.9 83.9

272 13.8 0.0 33.3



#42

2,4,6-Tribromophenol

Concen: 123.150 ng

RT: 15.963 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

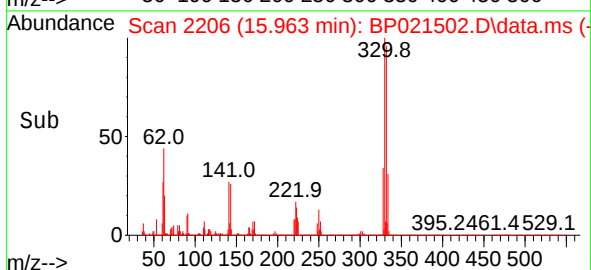
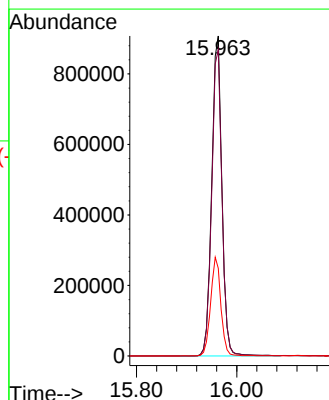
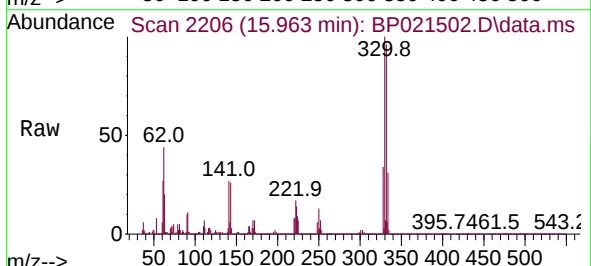
Tgt Ion:330 Resp: 1281445

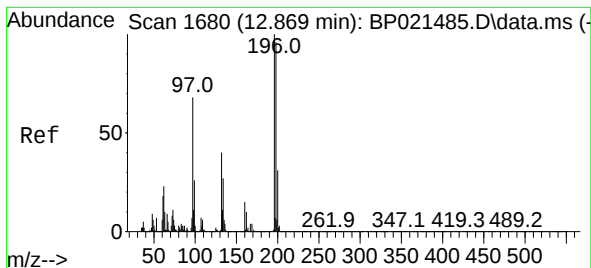
Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.0

141 31.0 24.5 36.7





#43

2,4,6-Trichlorophenol

Concen: 9.499 ng

RT: 12.857 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

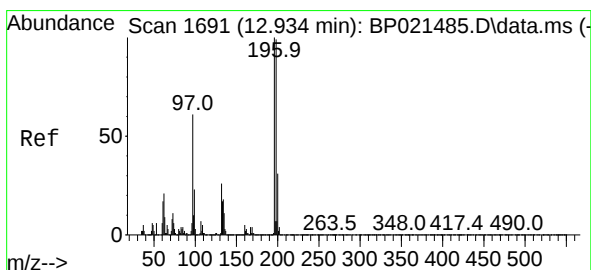
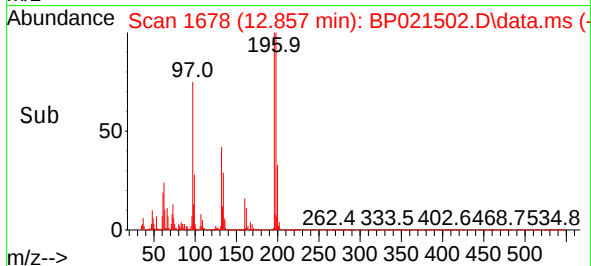
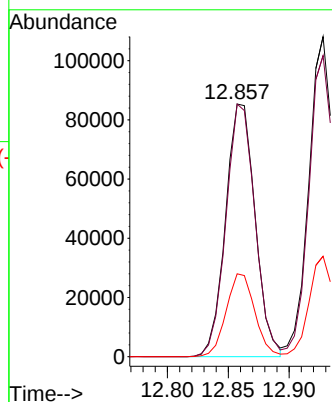
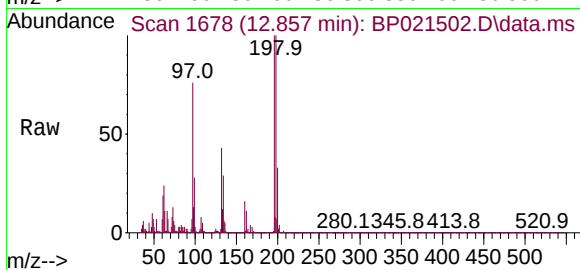
Tgt Ion:196 Resp: 144544

Ion Ratio Lower Upper

196 100

198 100.0 76.6 114.8

200 32.8 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 9.823 ng

RT: 12.928 min Scan# 1690

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Tgt Ion:196 Resp: 166071

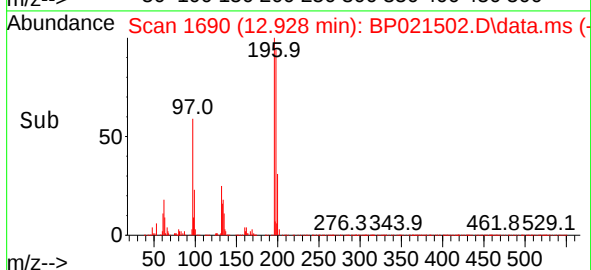
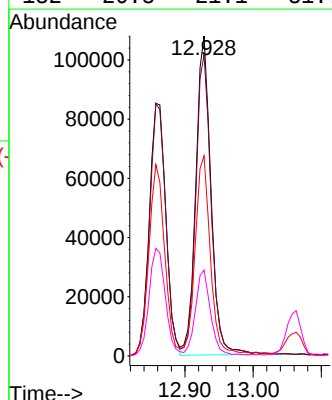
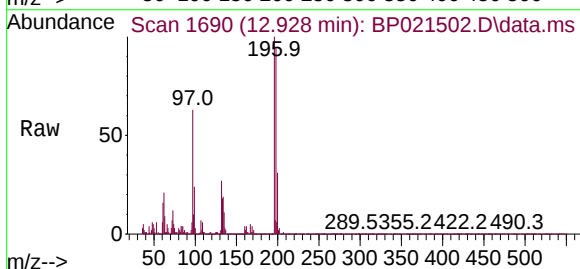
Ion Ratio Lower Upper

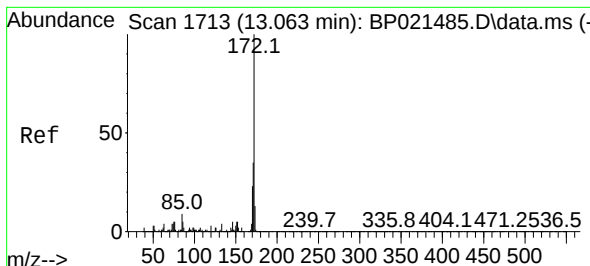
196 100

198 94.1 78.9 118.3

97 62.6 49.4 74.0

132 26.8 21.1 31.7





#45

2-Fluorobiphenyl

Concen: 84.434 ng

RT: 13.063 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

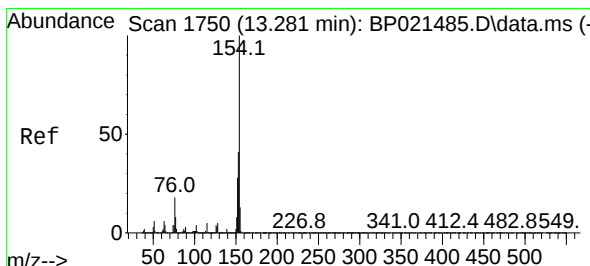
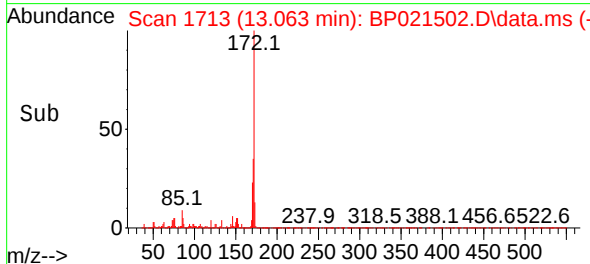
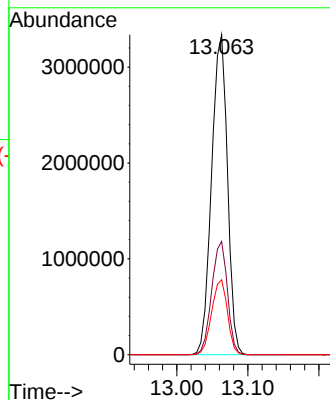
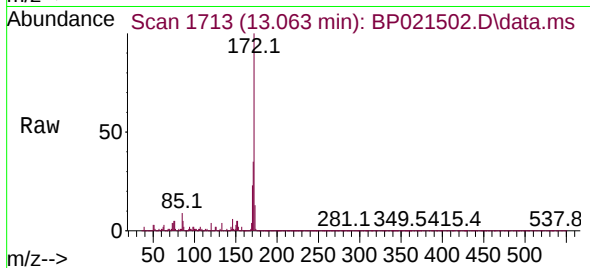
Tgt Ion:172 Resp: 5172553

Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.4

170 23.4 18.4 27.6



#46

1,1'-Biphenyl

Concen: 10.417 ng

RT: 13.269 min Scan# 1748

Delta R.T. -0.012 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

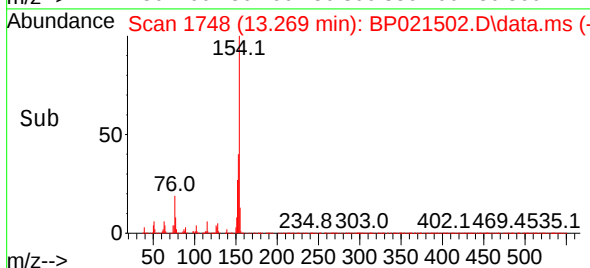
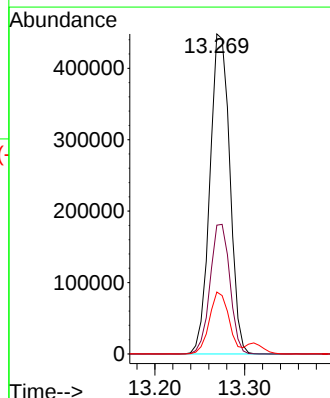
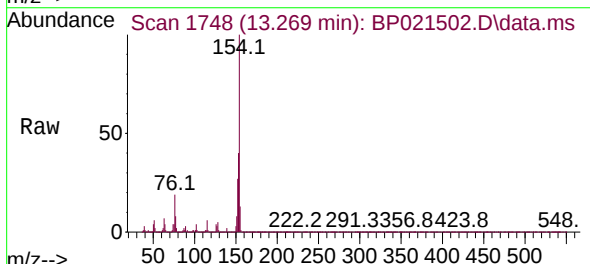
Tgt Ion:154 Resp: 689055

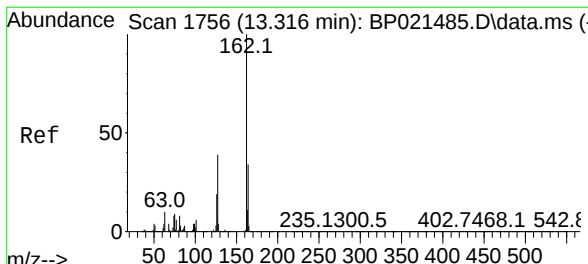
Ion Ratio Lower Upper

154 100

153 40.3 20.7 60.7

76 19.4 0.0 37.7

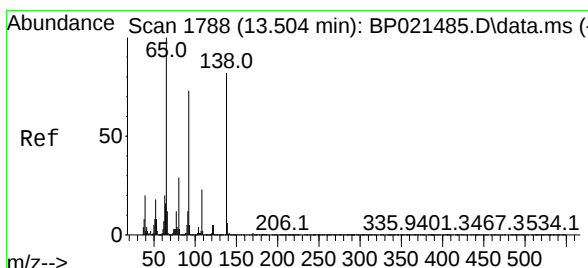
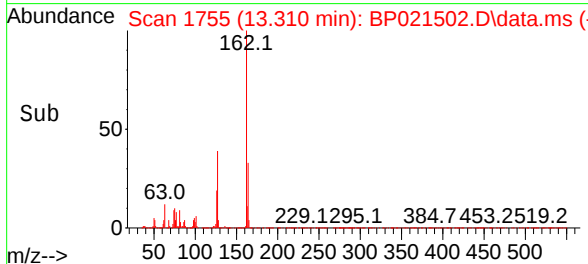
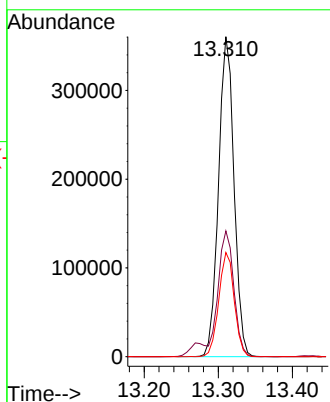
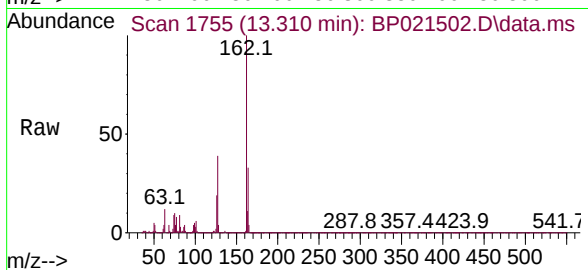




#47
2-Chloronaphthalene
Concen: 10.140 ng
RT: 13.310 min Scan# 1755
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

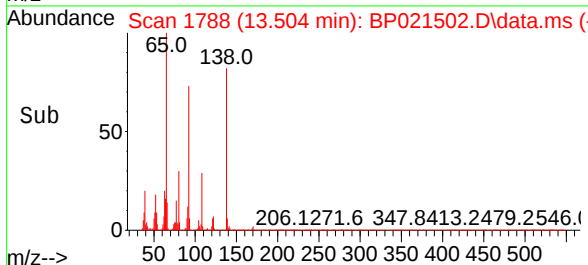
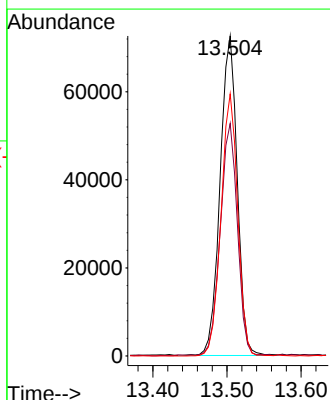
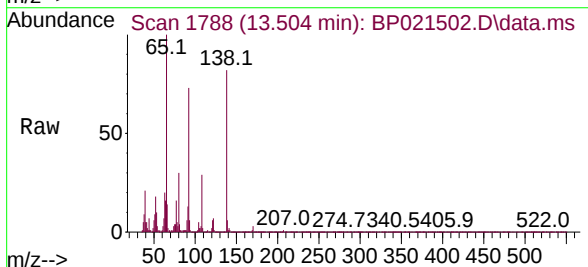
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

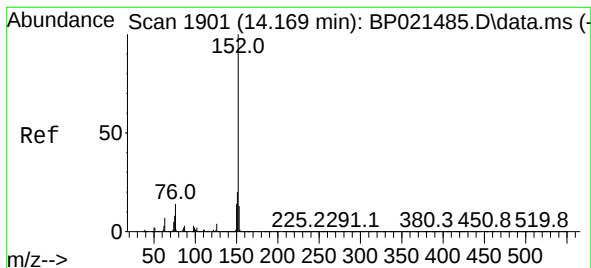
Tgt Ion:162 Resp: 522187
Ion Ratio Lower Upper
162 100
127 39.3 31.9 47.9
164 32.6 26.8 40.2



#48
2-Nitroaniline
Concen: 9.753 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion: 65 Resp: 116774
Ion Ratio Lower Upper
65 100
92 72.7 58.1 87.1
138 81.9 65.5 98.3





#49

Acenaphthylene

Concen: 10.862 ng

RT: 14.163 min Scan# 1901

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

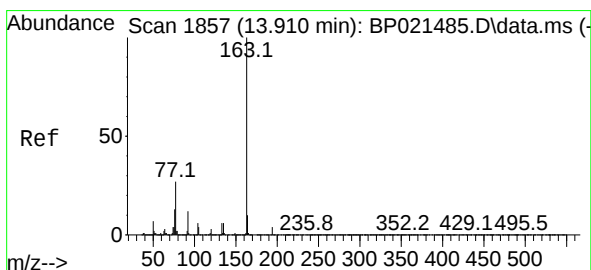
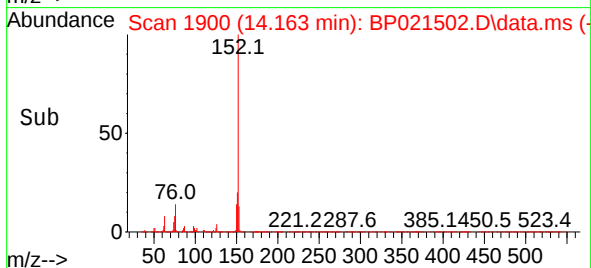
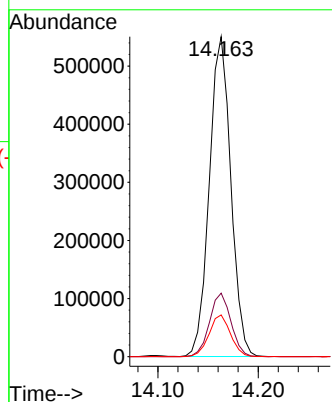
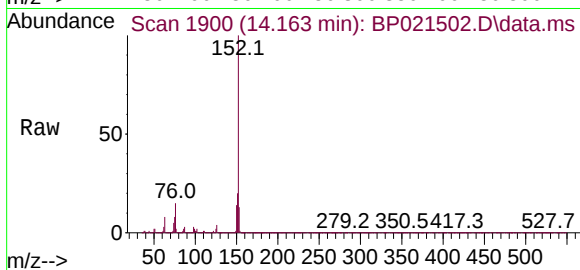
Tgt Ion:152 Resp: 822307

Ion Ratio Lower Upper

152 100

151 19.8 15.9 23.9

153 13.1 10.6 16.0



#50

Dimethylphthalate

Concen: 10.159 ng

RT: 13.898 min Scan# 1855

Delta R.T. -0.012 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

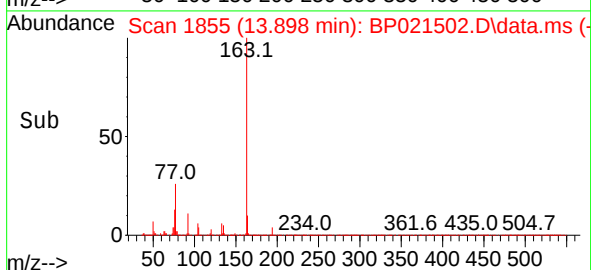
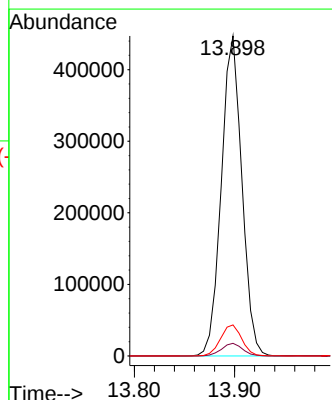
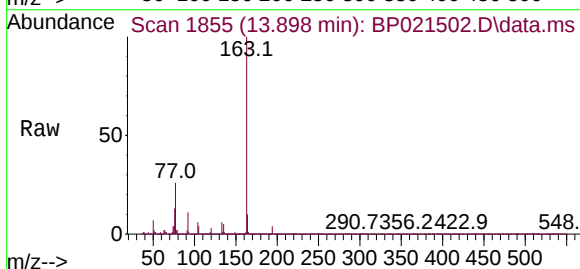
Tgt Ion:163 Resp: 636055

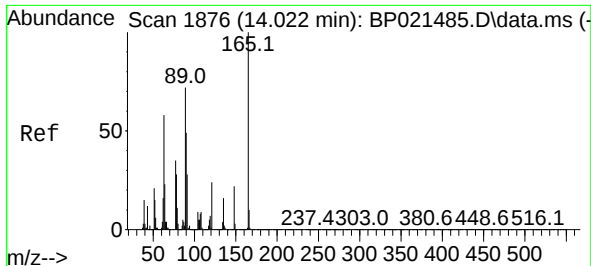
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 9.7 8.3 12.5

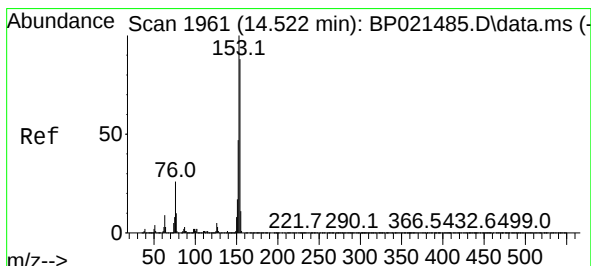
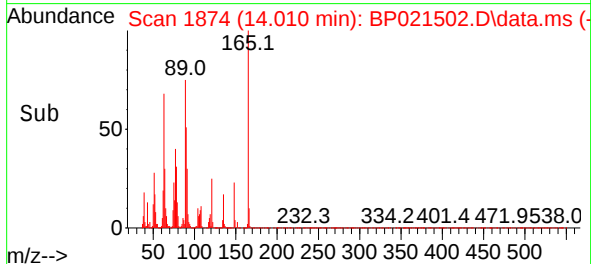
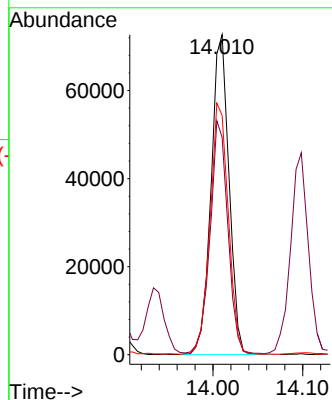
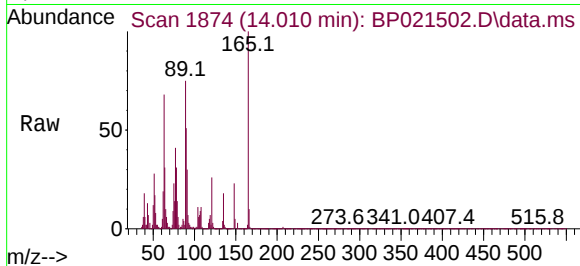




#51
2,6-Dinitrotoluene
Concen: 10.986 ng
RT: 14.010 min Scan# 1874
Delta R.T. -0.012 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

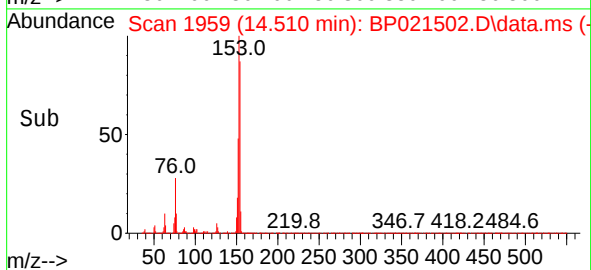
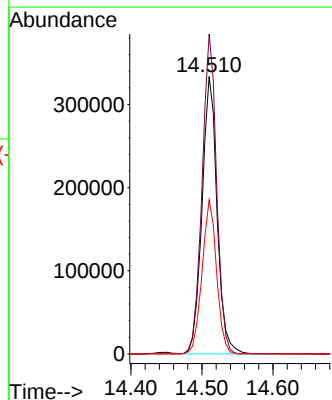
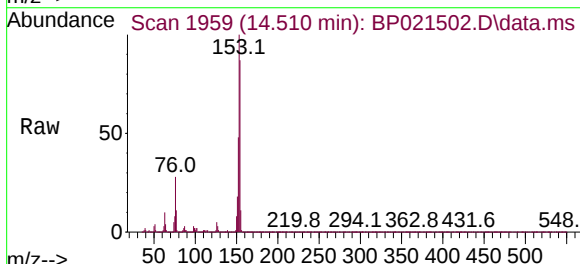
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

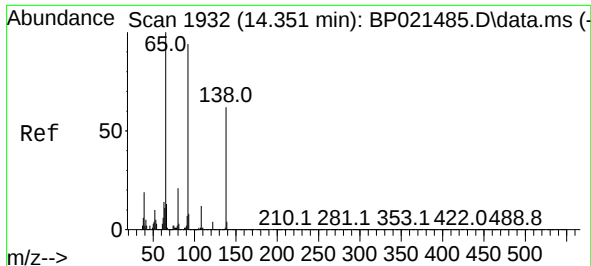
Tgt Ion:165 Resp: 100597
Ion Ratio Lower Upper
165 100
63 67.9 51.5 77.3
89 74.8 57.8 86.8



#52
Acenaphthene
Concen: 9.900 ng
RT: 14.510 min Scan# 1959
Delta R.T. -0.012 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion:154 Resp: 491747
Ion Ratio Lower Upper
154 100
153 115.3 91.1 136.7
152 55.6 43.0 64.4

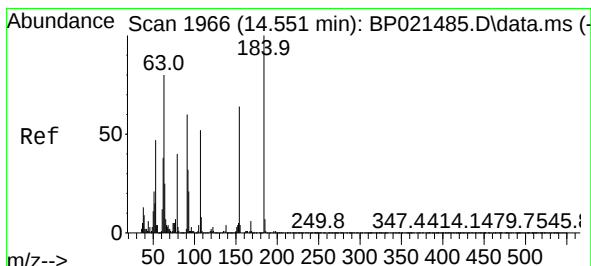
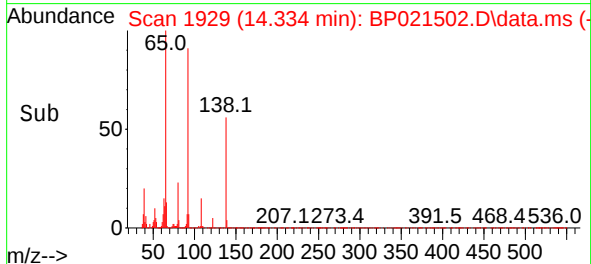
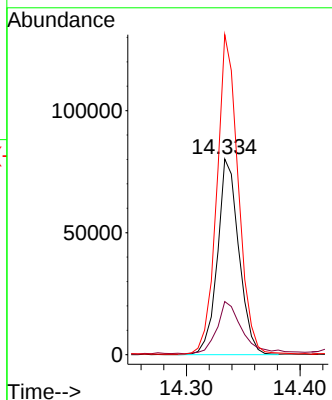
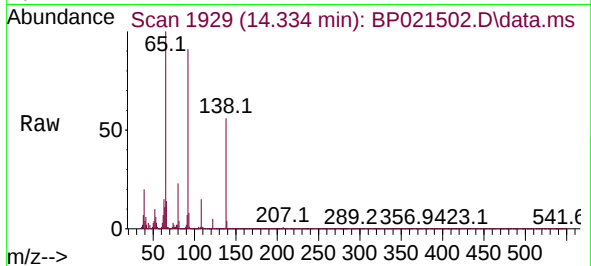




#53
3-Nitroaniline
Concen: 11.480 ng
RT: 14.334 min Scan# 1929
Delta R.T. -0.017 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

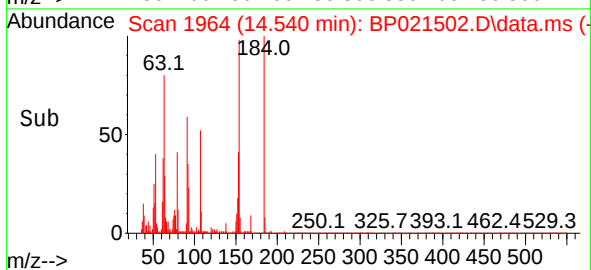
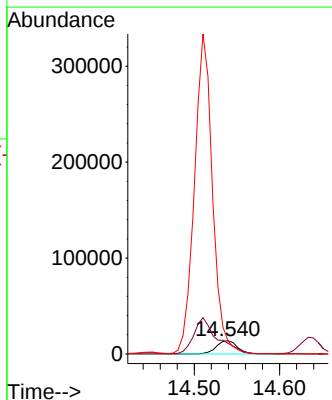
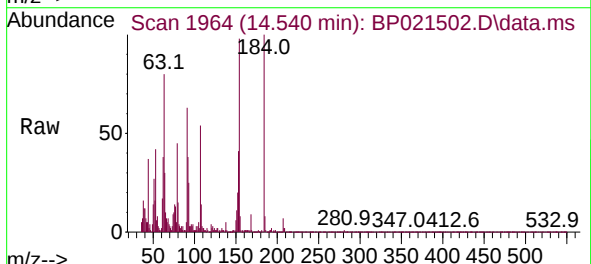
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

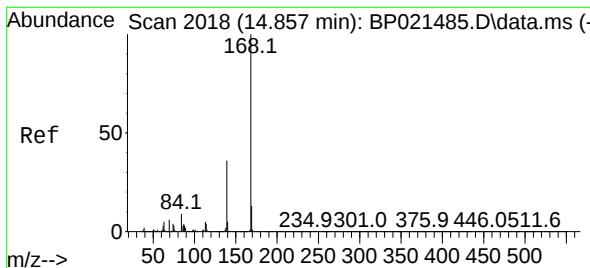
Tgt Ion:138 Resp: 104944
Ion Ratio Lower Upper
138 100
108 27.1 16.2 24.4#
92 163.5 122.2 183.4



#54
2,4-Dinitrophenol
Concen: 7.349 ng
RT: 14.540 min Scan# 1964
Delta R.T. -0.011 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion:184 Resp: 23731
Ion Ratio Lower Upper
184 100
63 79.9 64.9 97.3
154 97.7 52.1 78.1#





#55

Dibenzofuran

Concen: 10.351 ng

RT: 14.851 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

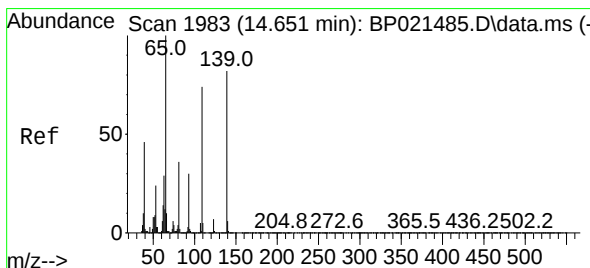
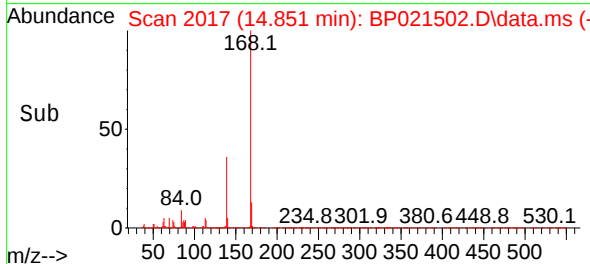
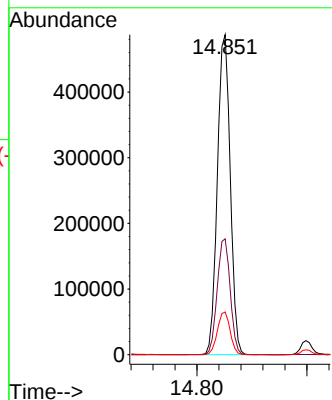
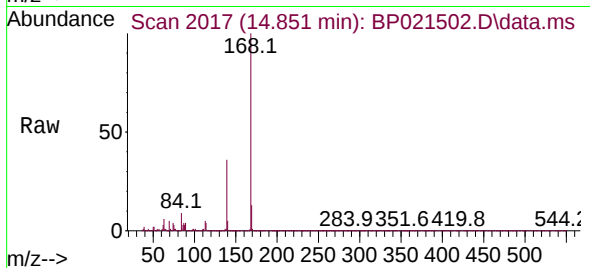
Tgt Ion:168 Resp: 790929

Ion Ratio Lower Upper

168 100

139 36.2 28.6 43.0

169 13.4 10.6 16.0



#56

4-Nitrophenol

Concen: 8.228 ng

RT: 14.634 min Scan# 1980

Delta R.T. -0.017 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

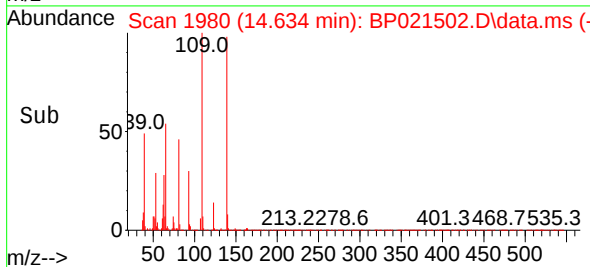
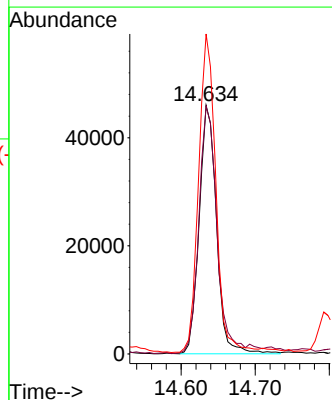
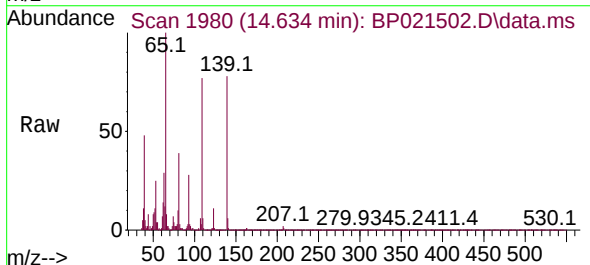
Tgt Ion:139 Resp: 74964

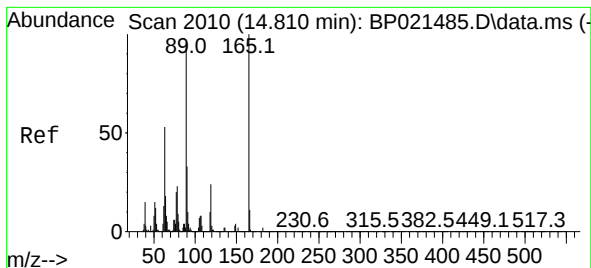
Ion Ratio Lower Upper

139 100

109 99.7 70.2 110.2

65 128.8 101.8 141.8





#57

2,4-Dinitrotoluene

Concen: 10.922 ng

RT: 14.798 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:165 Resp: 114010

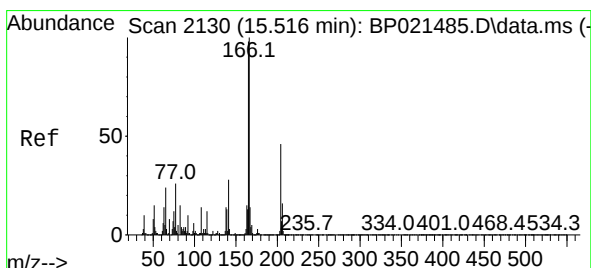
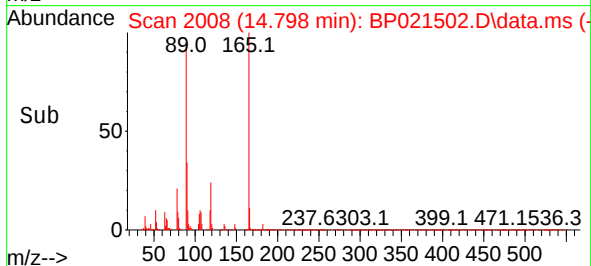
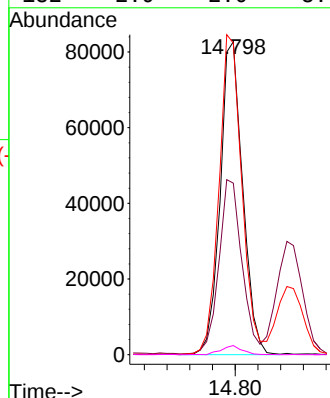
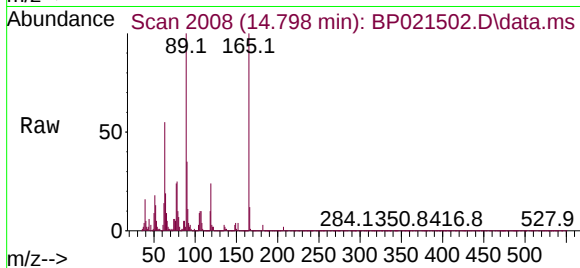
Ion Ratio Lower Upper

165 100

63 54.8 42.5 63.7

89 99.6 77.1 115.7

182 2.9 2.0 3.0



#58

Fluorene

Concen: 10.113 ng

RT: 15.504 min Scan# 2128

Delta R.T. -0.012 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

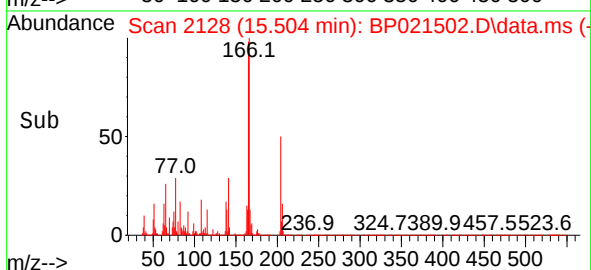
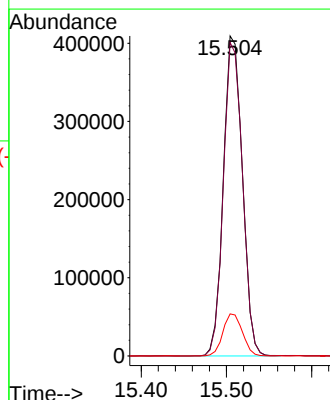
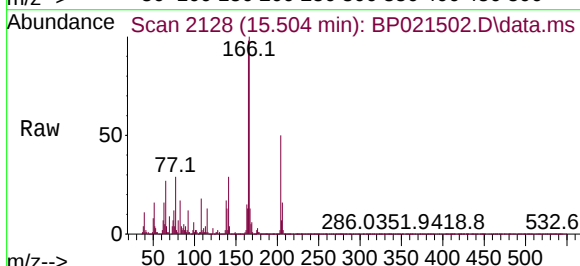
Tgt Ion:166 Resp: 634821

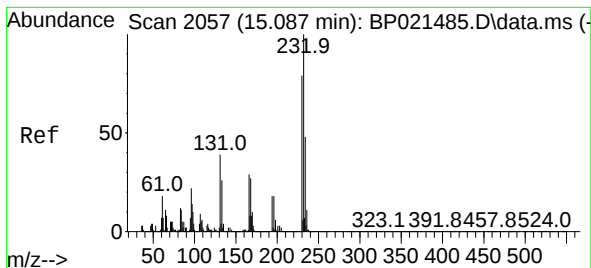
Ion Ratio Lower Upper

166 100

165 98.0 78.1 117.1

167 13.1 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 9.966 ng

RT: 15.075 min Scan# 2055

Delta R.T. -0.012 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:232 Resp: 143015

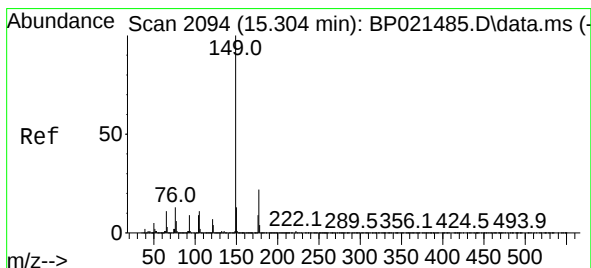
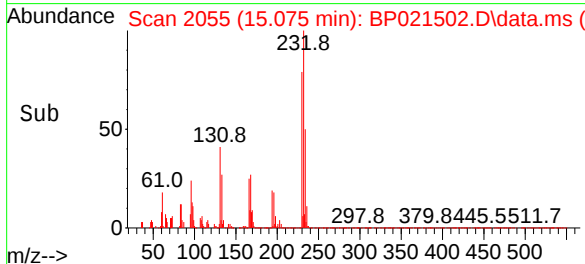
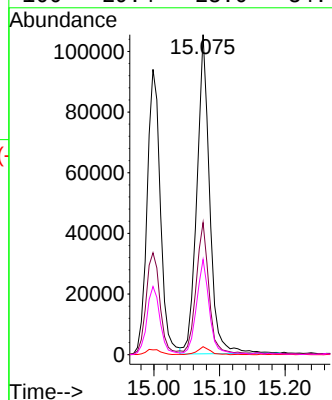
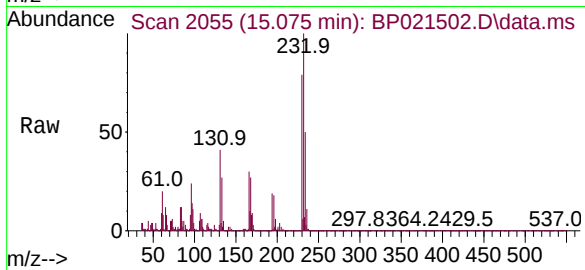
Ion Ratio Lower Upper

232 100

131 41.1 33.1 49.7

130 2.4 1.7 2.5

166 29.4 23.0 34.4



#60

Diethylphthalate

Concen: 9.850 ng

RT: 15.287 min Scan# 2091

Delta R.T. -0.018 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

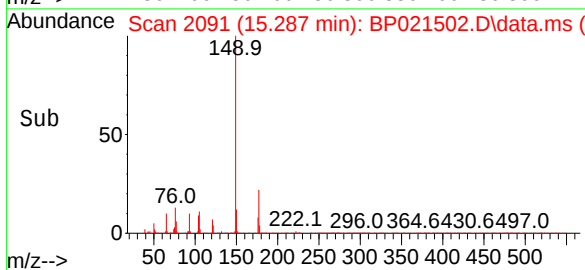
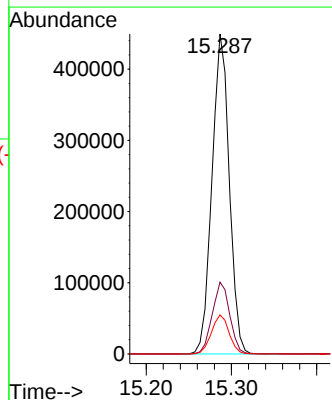
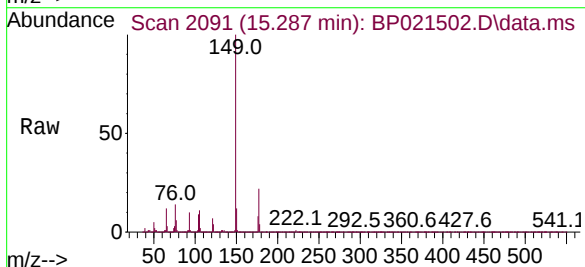
Tgt Ion:149 Resp: 632766

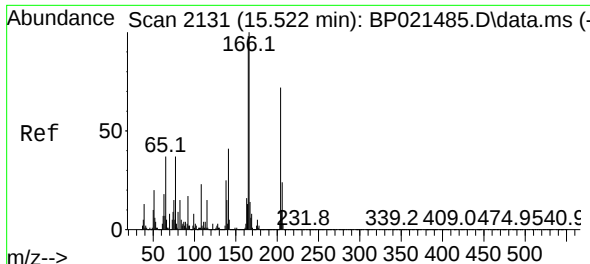
Ion Ratio Lower Upper

149 100

177 22.5 17.8 26.8

150 12.2 10.1 15.1

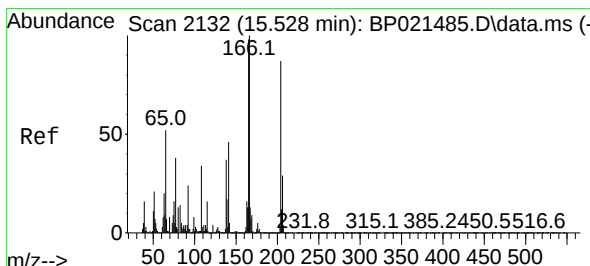
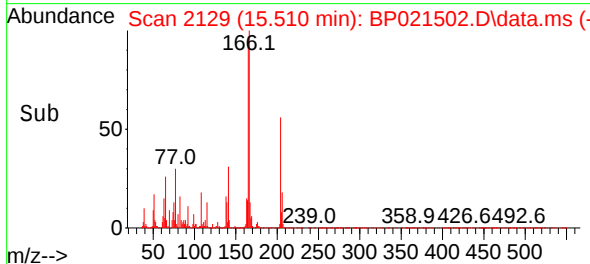
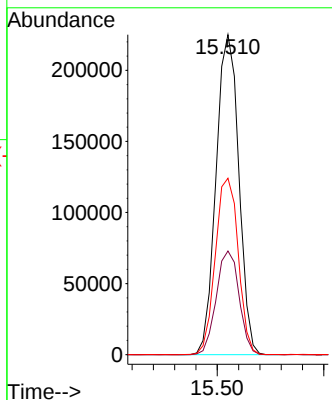
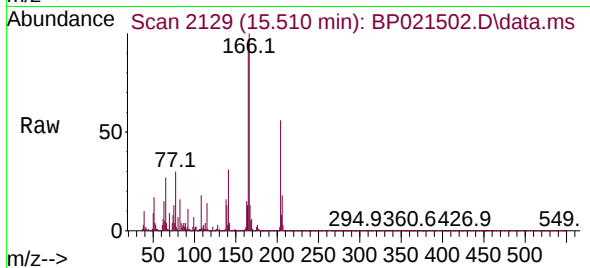




#61
4-Chlorophenyl-phenylether
Concen: 10.260 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.012 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

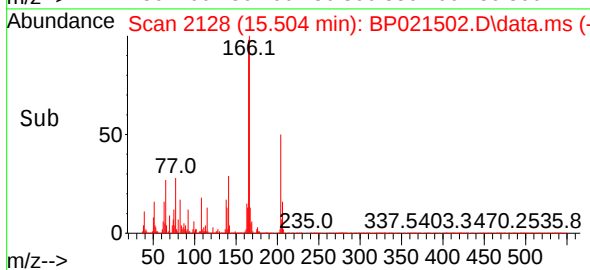
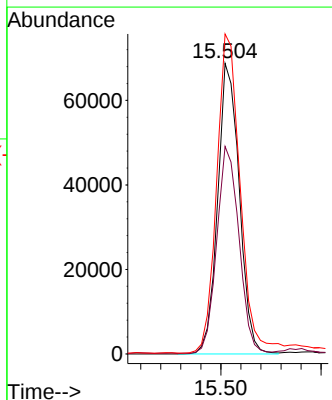
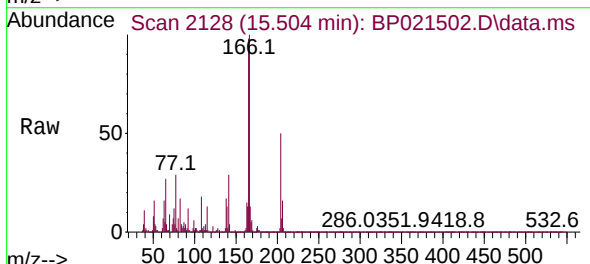
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

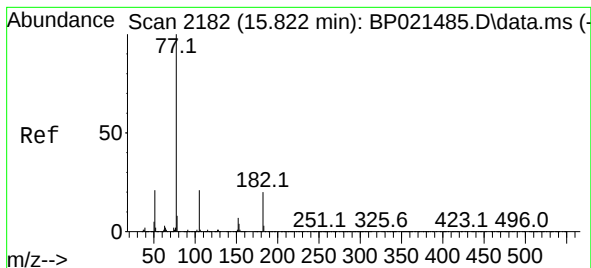
Tgt Ion:204 Resp: 332935
Ion Ratio Lower Upper
204 100
206 32.4 26.4 39.6
141 55.2 46.1 69.1



#62
4-Nitroaniline
Concen: 10.495 ng
RT: 15.504 min Scan# 2128
Delta R.T. -0.024 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion:138 Resp: 102790
Ion Ratio Lower Upper
138 100
92 71.4 46.4 86.4
108 110.1 73.2 113.2





#63

Azobenzene

Concen: 10.474 ng

RT: 15.810 min Scan# 2182

Delta R.T. -0.012 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion: 77 Resp: 827126

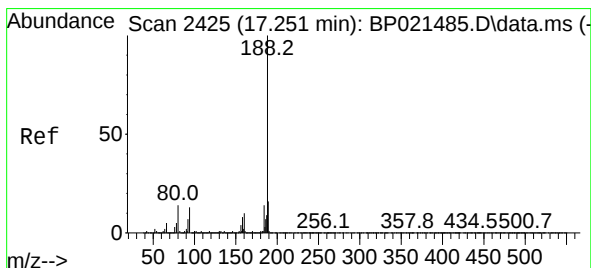
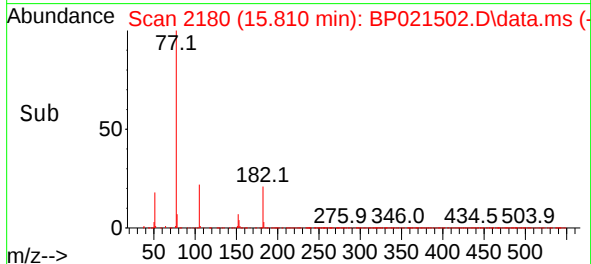
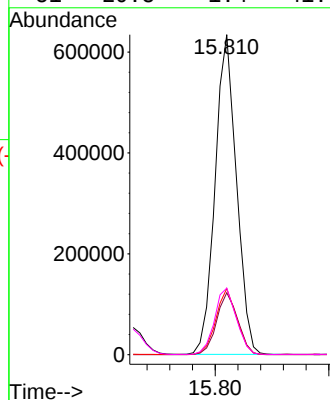
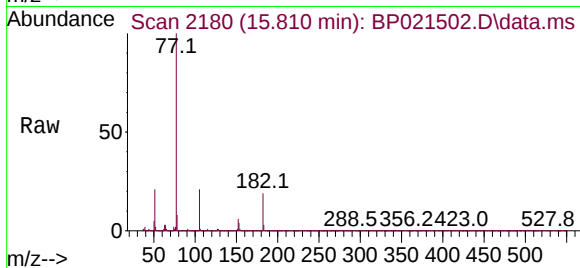
Ion Ratio Lower Upper

77 100

182 19.4 0.0 39.9

105 20.7 0.9 40.9

51 20.8 1.4 41.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.245 min Scan# 2424

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

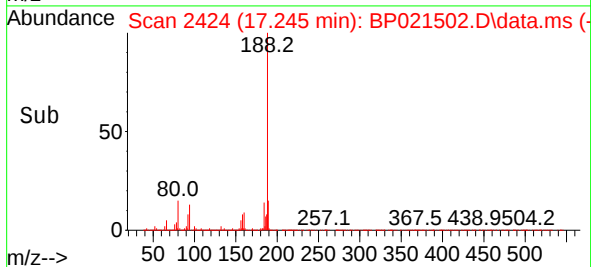
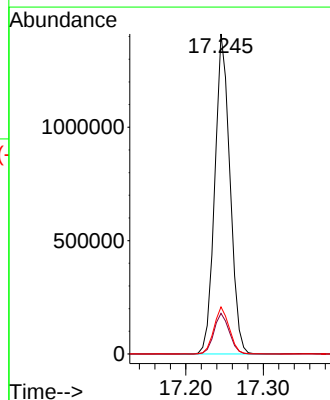
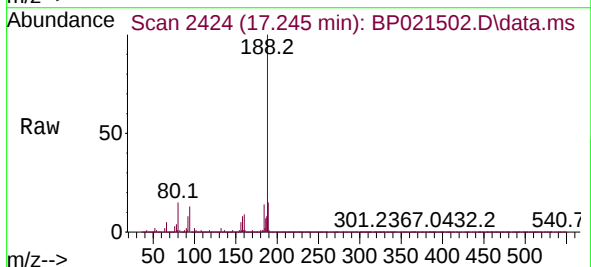
Tgt Ion:188 Resp: 1917404

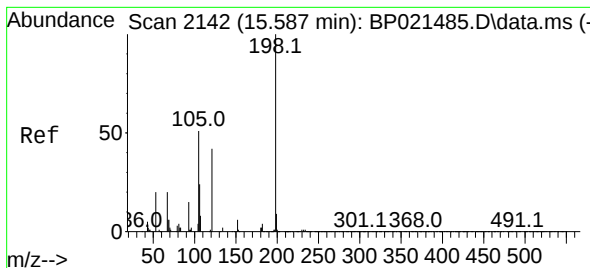
Ion Ratio Lower Upper

188 100

94 12.7 10.2 15.4

80 14.7 11.6 17.4





#65

4,6-Dinitro-2-methylphenol

Concen: 12.065 ng

RT: 15.575 min Scan# 2142

Delta R.T. -0.012 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

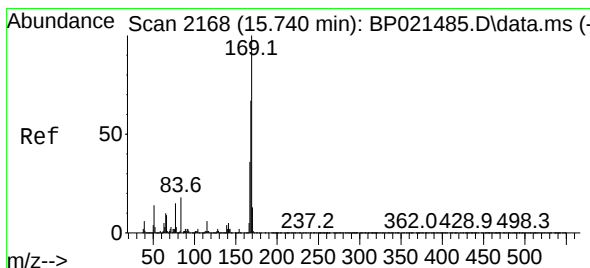
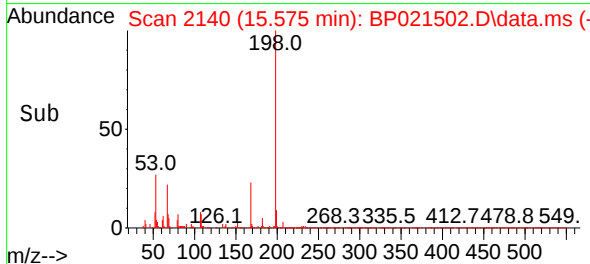
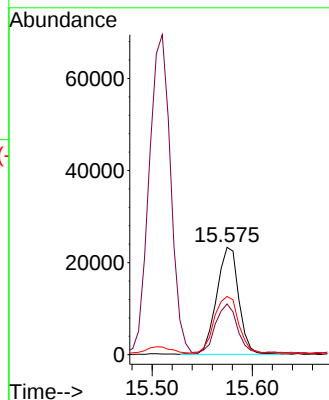
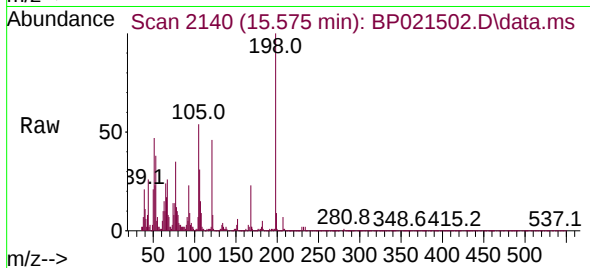
Tgt Ion:198 Resp: 35438

Ion Ratio Lower Upper

198 100

51 47.2 21.5 61.5

105 54.3 32.9 72.9



#66

n-Nitrosodiphenylamine

Concen: 10.383 ng

RT: 15.728 min Scan# 2166

Delta R.T. -0.012 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

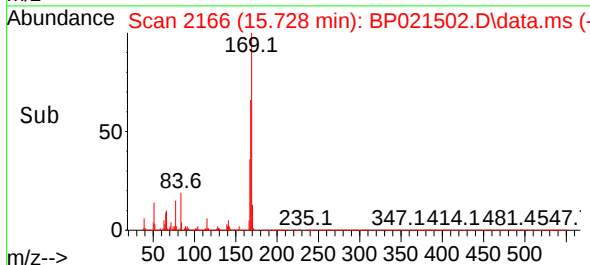
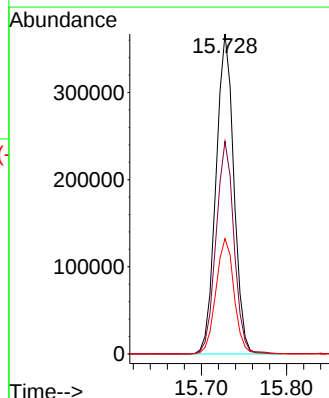
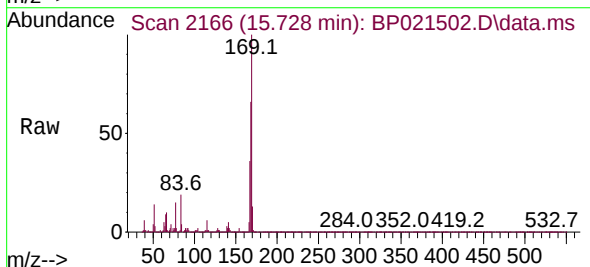
Tgt Ion:169 Resp: 533507

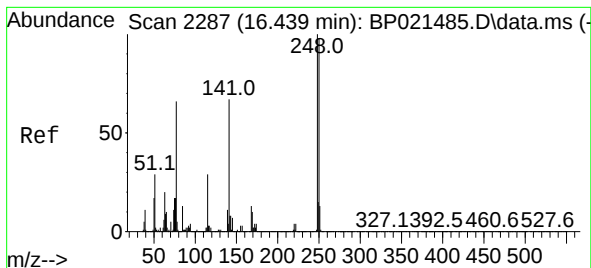
Ion Ratio Lower Upper

169 100

168 66.4 53.4 80.2

167 36.0 28.7 43.1





#67

4-Bromophenyl-phenylether

Concen: 9.359 ng

RT: 16.428 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

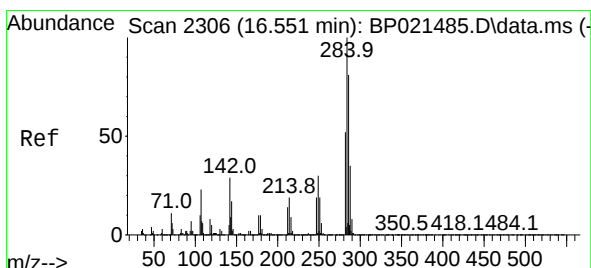
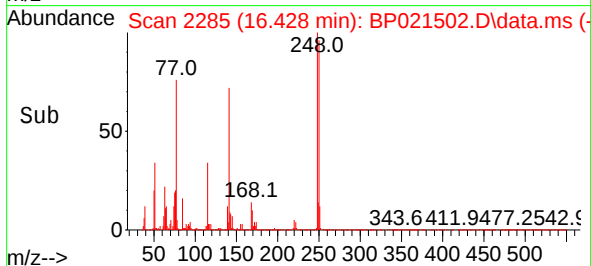
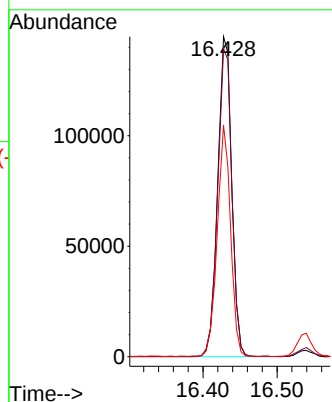
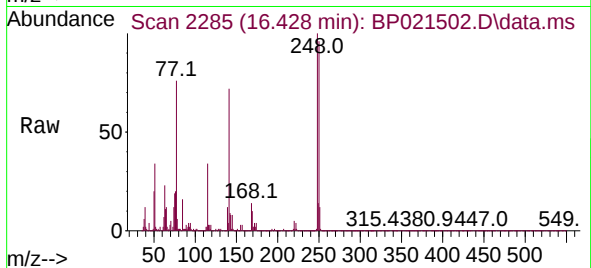
Tgt Ion:248 Resp: 189930

Ion Ratio Lower Upper

248 100

250 96.2 78.6 117.8

141 72.4 53.9 80.9



#68

Hexachlorobenzene

Concen: 9.759 ng

RT: 16.539 min Scan# 2304

Delta R.T. -0.012 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

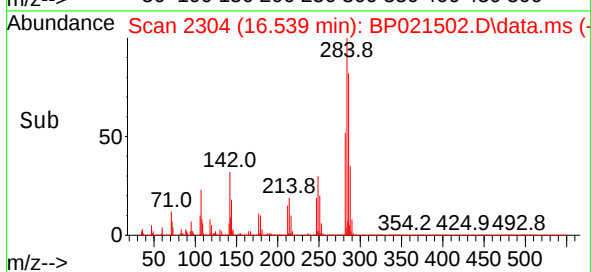
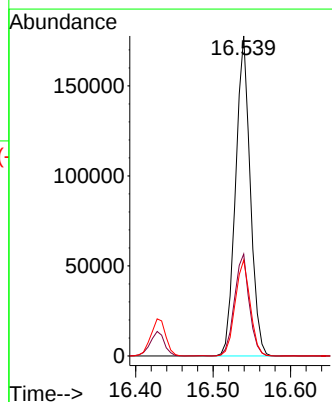
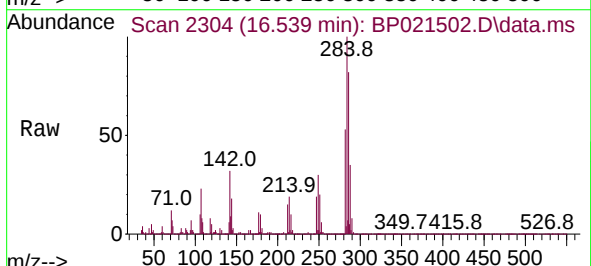
Tgt Ion:284 Resp: 234038

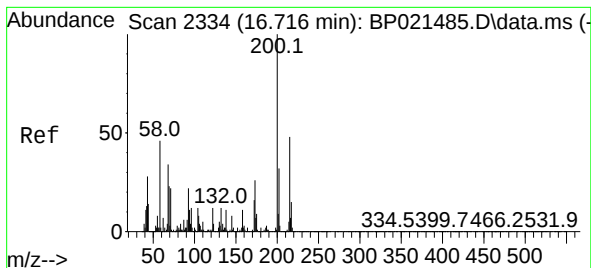
Ion Ratio Lower Upper

284 100

142 31.9 23.4 35.2

249 29.9 24.1 36.1





#69

Atrazine

Concen: 10.309 ng

RT: 16.704 min Scan# 2332

Delta R.T. -0.012 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

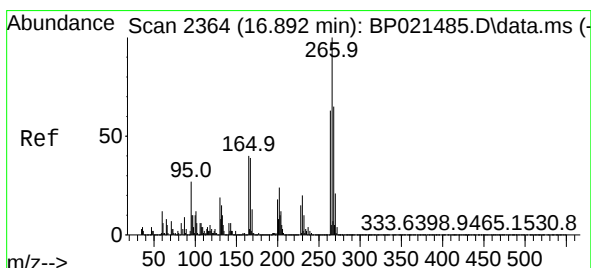
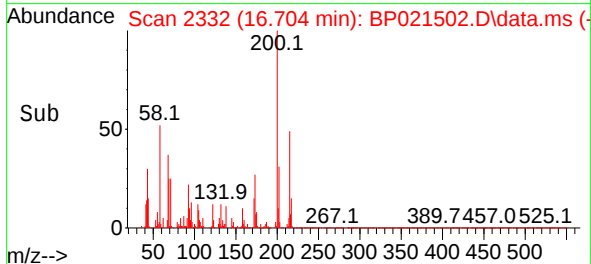
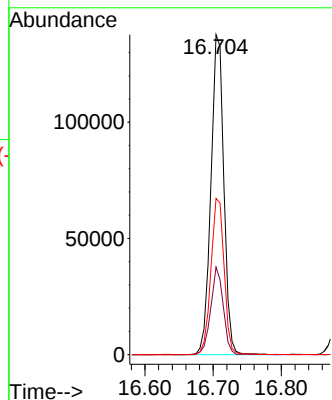
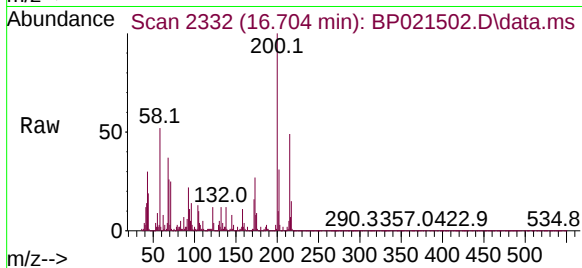
Tgt Ion:200 Resp: 181876

Ion Ratio Lower Upper

200 100

173 27.4 6.2 46.2

215 48.8 28.4 68.4



#70

Pentachlorophenol

Concen: 7.722 ng

RT: 16.881 min Scan# 2362

Delta R.T. -0.011 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

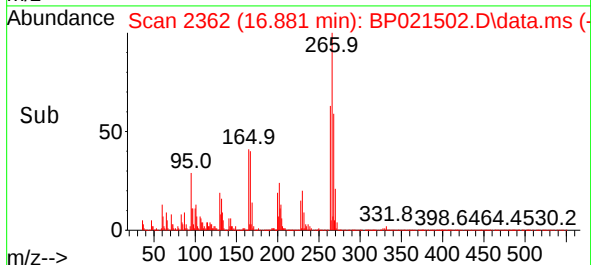
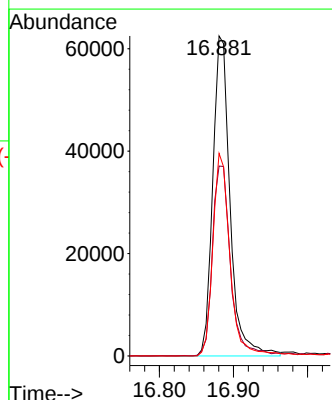
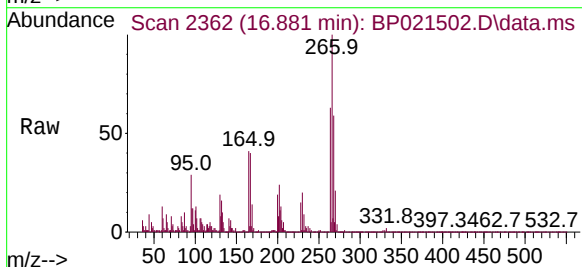
Tgt Ion:266 Resp: 101070

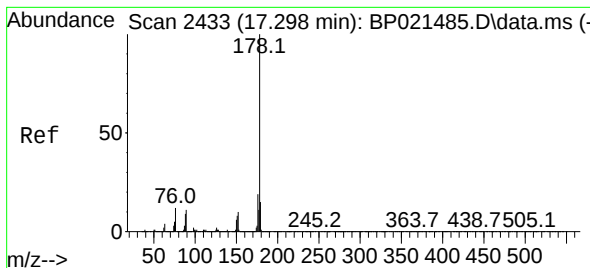
Ion Ratio Lower Upper

266 100

268 59.3 51.8 77.6

264 63.3 50.5 75.7





#71

Phenanthrene

Concen: 10.410 ng

RT: 17.292 min Scan# 2449

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

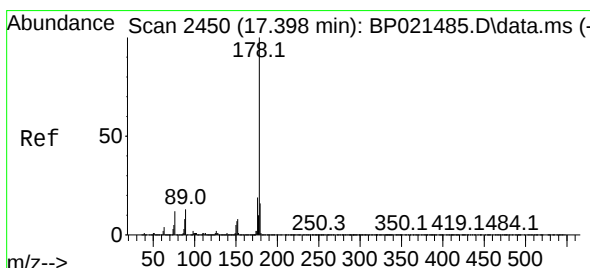
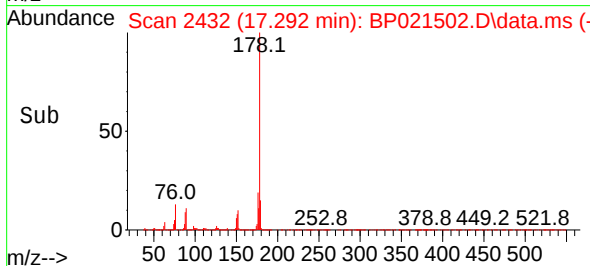
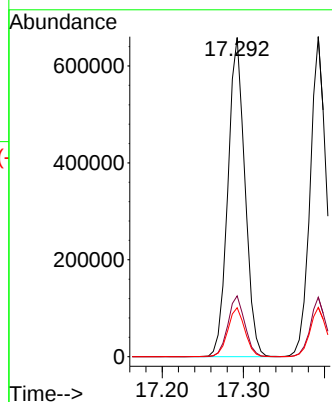
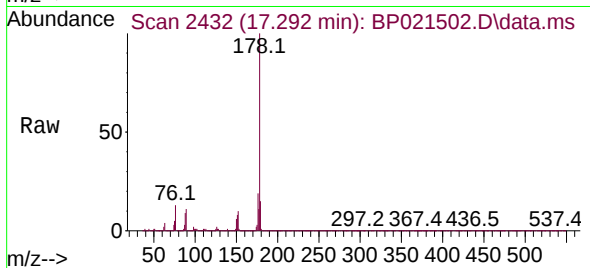
Tgt Ion:178 Resp: 959910

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.4 12.4 18.6



#72

Anthracene

Concen: 10.150 ng

RT: 17.392 min Scan# 2449

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

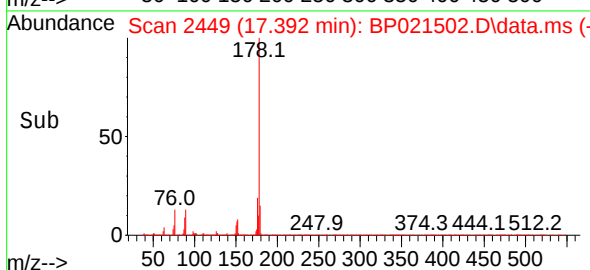
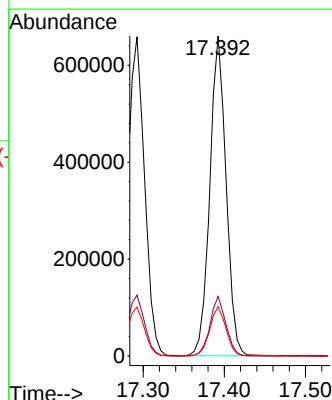
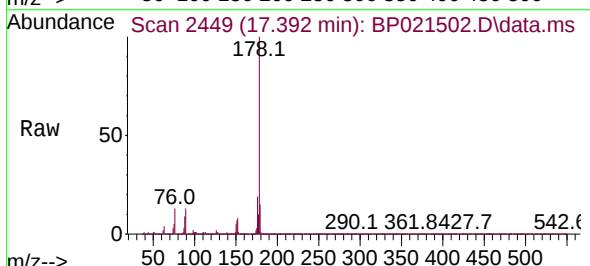
Tgt Ion:178 Resp: 917929

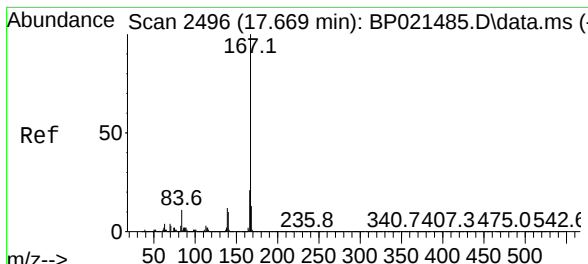
Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

179 15.4 12.5 18.7



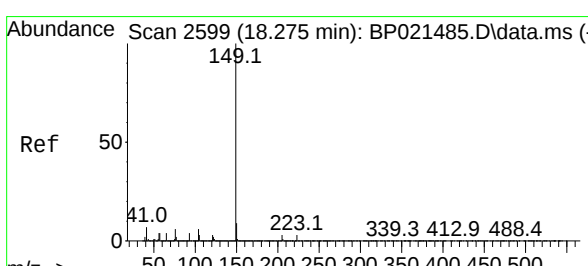
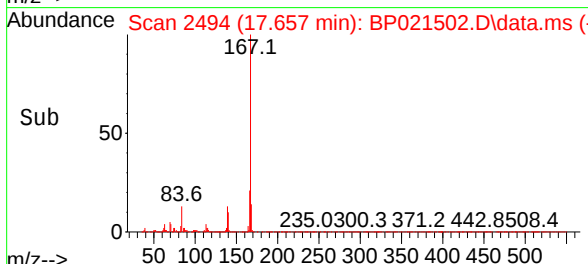
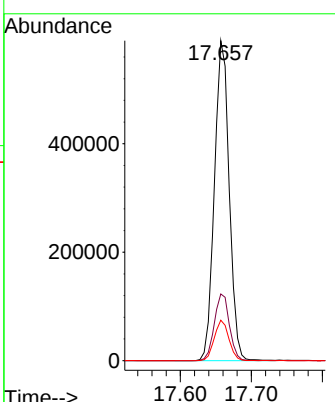
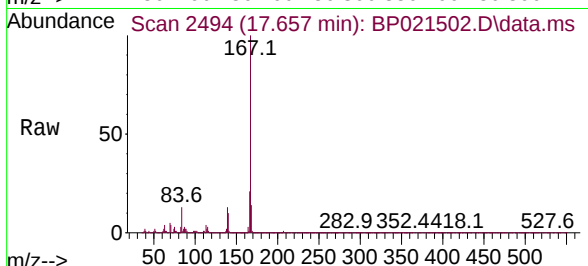


#73
 Carbazole
 Concen: 9.736 ng
 RT: 17.657 min Scan# 2494
 Delta R.T. -0.012 min
 Lab File: BP021502.D
 Acq: 14 Aug 2024 16:30

Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT3-2024

Tgt Ion:167 Resp: 848534

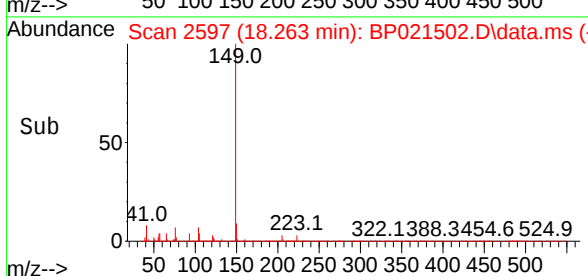
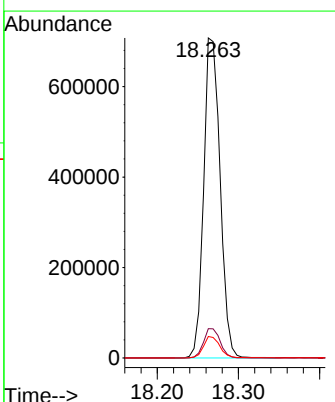
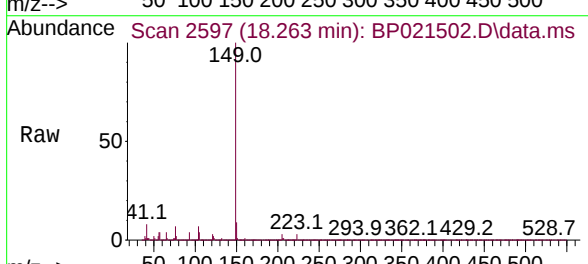
Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.0	25.4
139	12.7	9.9	14.9

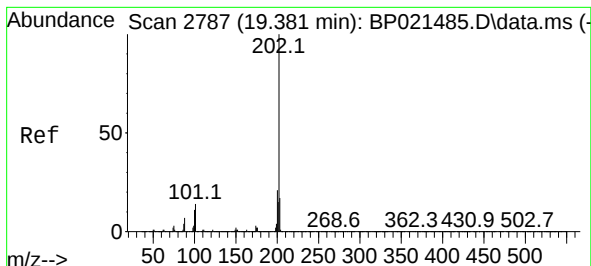


#74
 Di-n-butylphthalate
 Concen: 9.268 ng
 RT: 18.263 min Scan# 2597
 Delta R.T. -0.012 min
 Lab File: BP021502.D
 Acq: 14 Aug 2024 16:30

Tgt Ion:149 Resp: 992028

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.5	11.3
104	6.7	4.9	7.3





#75

Fluoranthene

Concen: 9.428 ng

RT: 19.375 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

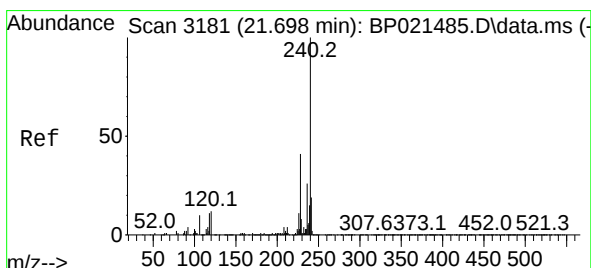
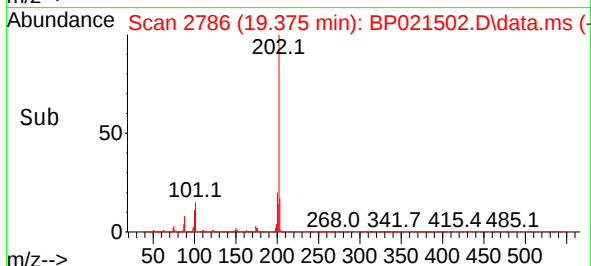
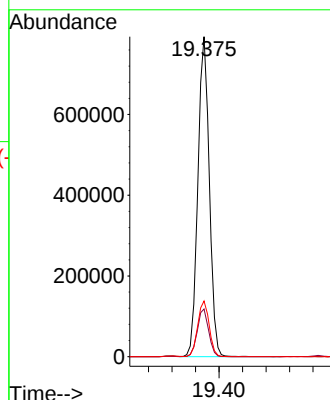
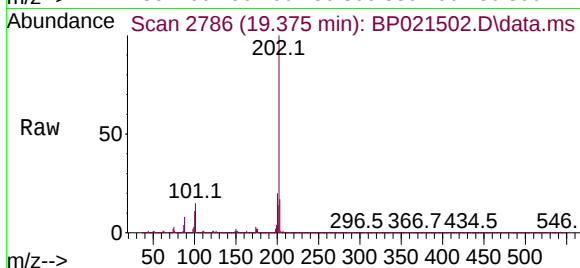
Tgt Ion:202 Resp: 1066662

Ion Ratio Lower Upper

202 100

101 14.9 0.0 34.0

203 17.4 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.692 min Scan# 3180

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

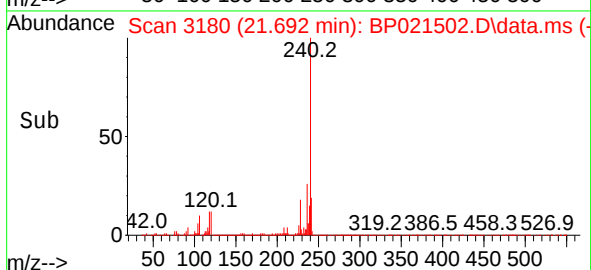
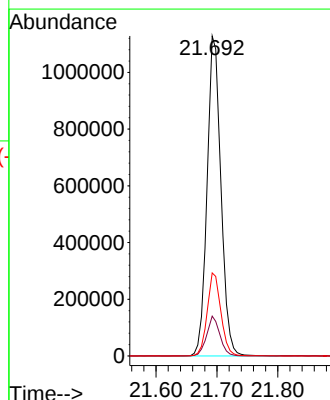
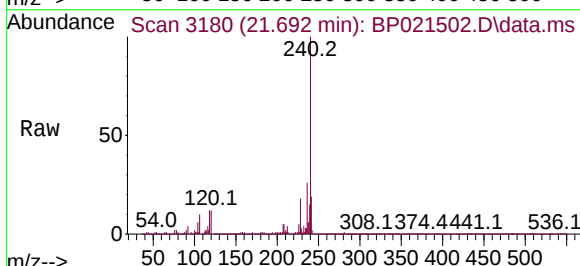
Tgt Ion:240 Resp: 1782628

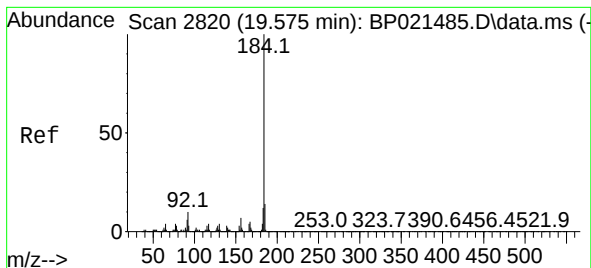
Ion Ratio Lower Upper

240 100

120 12.4 9.9 14.9

236 26.0 20.6 30.8





#77

Benzidine

Concen: 10.428 ng

RT: 19.569 min Scan# 2819

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

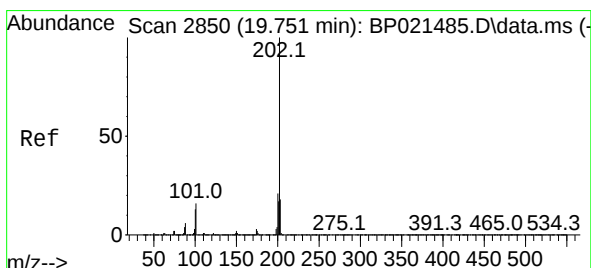
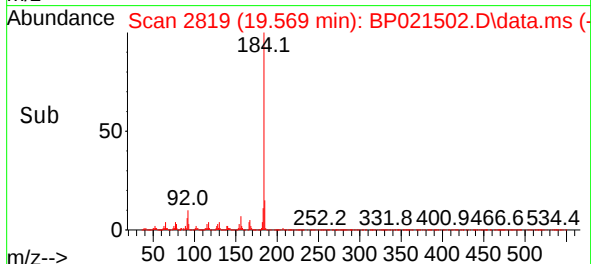
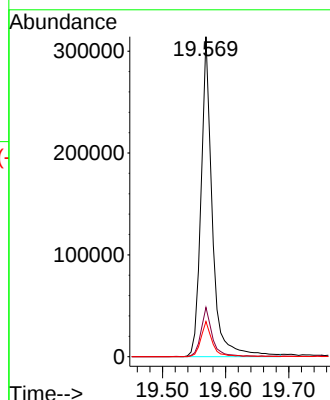
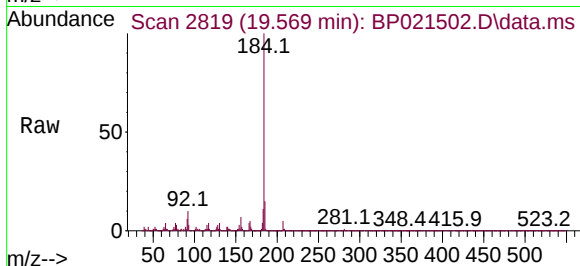
Tgt Ion:184 Resp: 389999

Ion Ratio Lower Upper

184 100

185 15.4 11.4 17.0

183 11.0 9.3 13.9



#78

Pyrene

Concen: 9.598 ng

RT: 19.745 min Scan# 2849

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

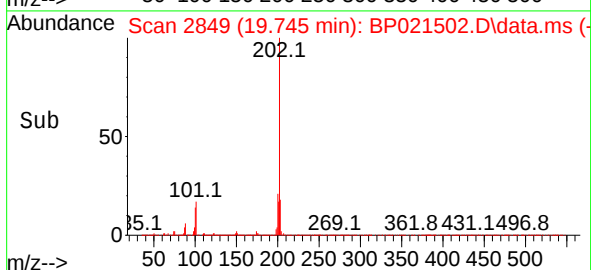
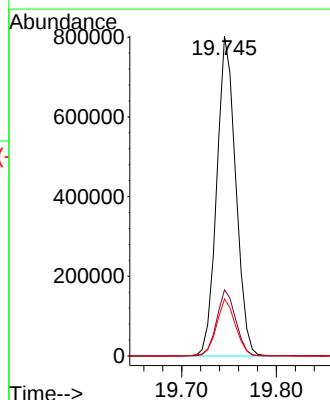
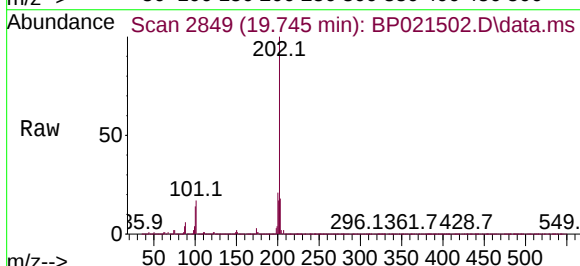
Tgt Ion:202 Resp: 1118309

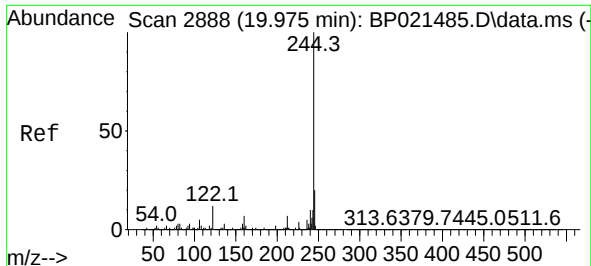
Ion Ratio Lower Upper

202 100

200 20.6 16.7 25.1

203 17.8 14.1 21.1





#79

Terphenyl-d14

Concen: 81.552 ng

RT: 19.969 min Scan# 2888

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

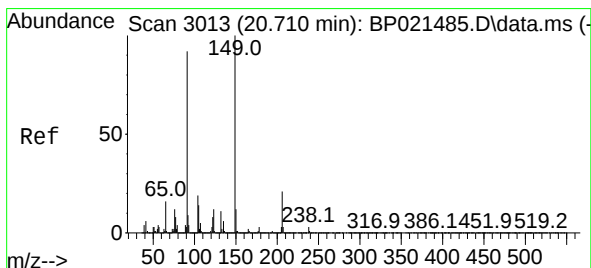
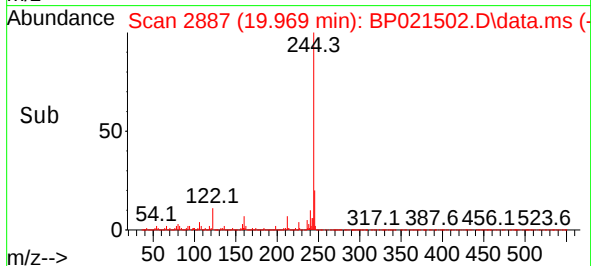
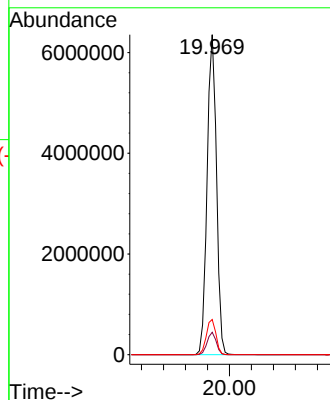
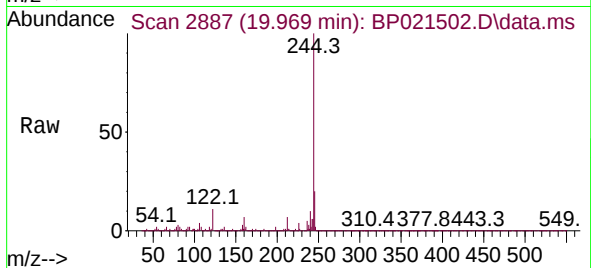
Tgt Ion:244 Resp: 7483171

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 11.0 9.4 14.2



#80

Butylbenzylphthalate

Concen: 9.839 ng

RT: 20.704 min Scan# 3012

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

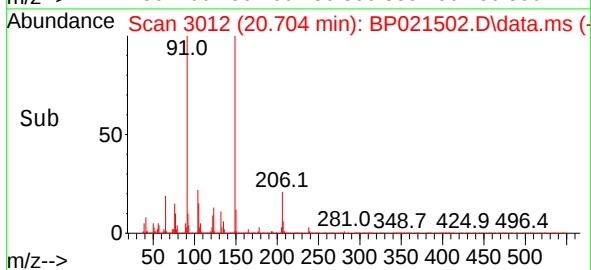
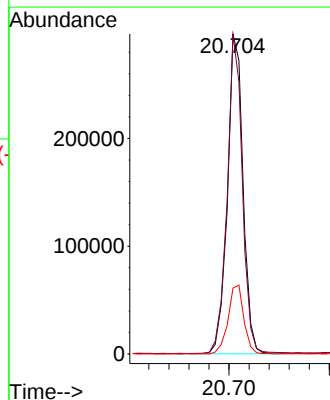
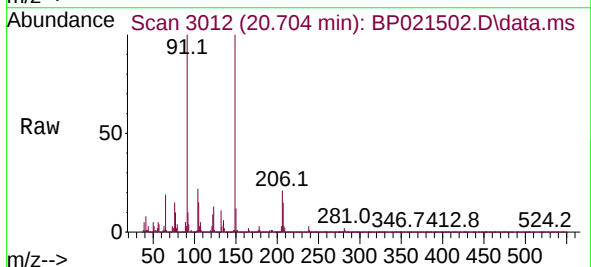
Tgt Ion:149 Resp: 318595

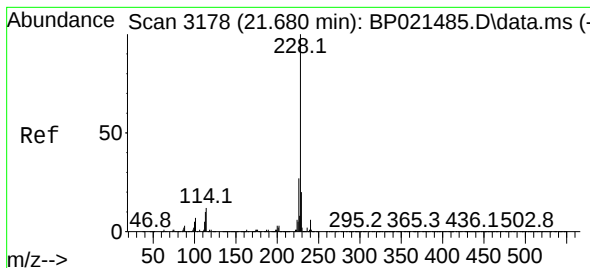
Ion Ratio Lower Upper

149 100

91 99.8 73.3 109.9

206 20.6 17.1 25.7





#81

Benzo(a)anthracene

Concen: 9.946 ng

RT: 21.674 min Scan# 3178

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

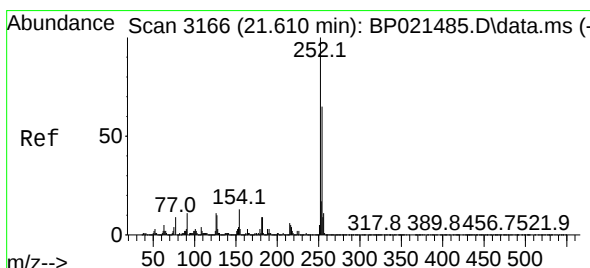
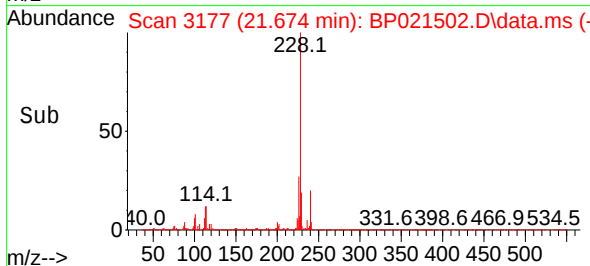
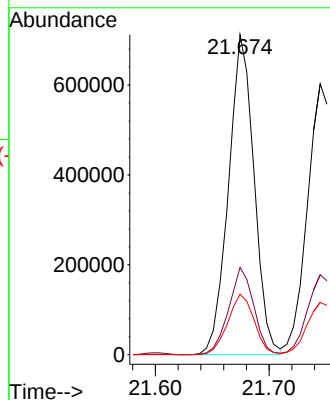
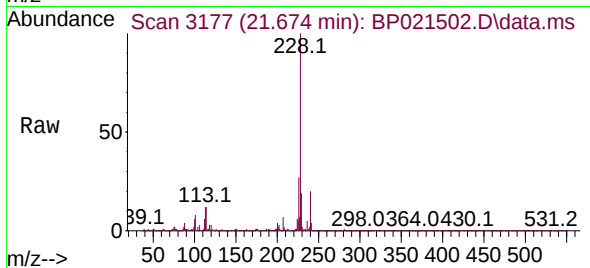
Tgt Ion:228 Resp: 1113040

Ion Ratio Lower Upper

228 100

226 27.3 21.4 32.2

229 18.9 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 10.009 ng

RT: 21.598 min Scan# 3164

Delta R.T. -0.012 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

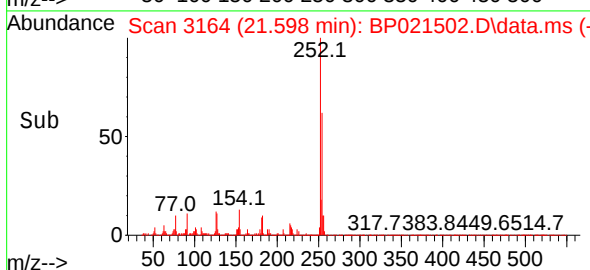
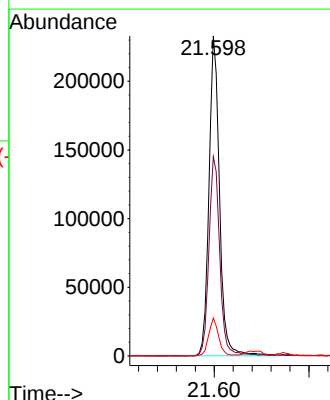
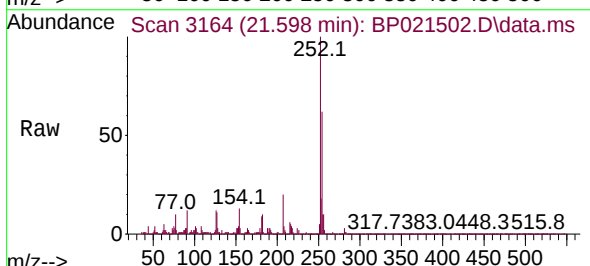
Tgt Ion:252 Resp: 359119

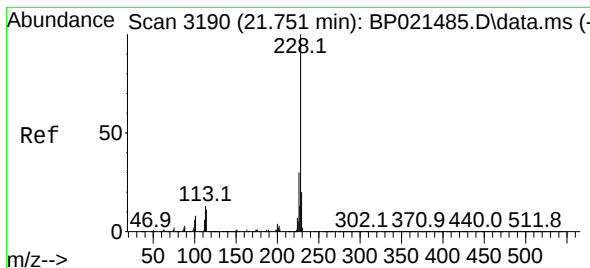
Ion Ratio Lower Upper

252 100

254 62.2 51.7 77.5

126 11.8 8.7 13.1





#83

Chrysene

Concen: 9.798 ng

RT: 21.745 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

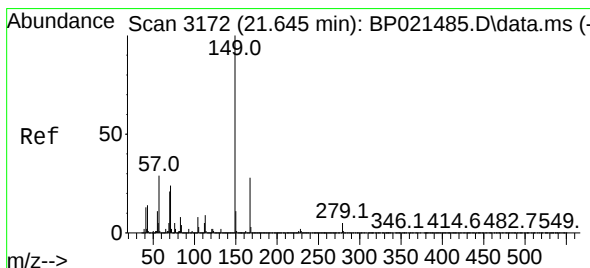
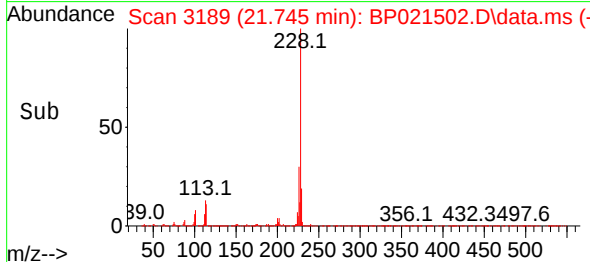
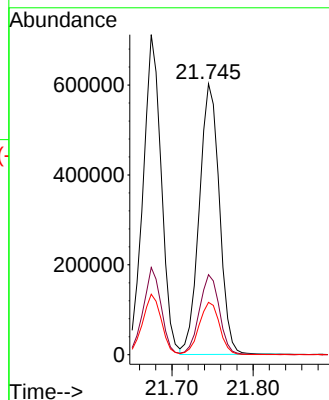
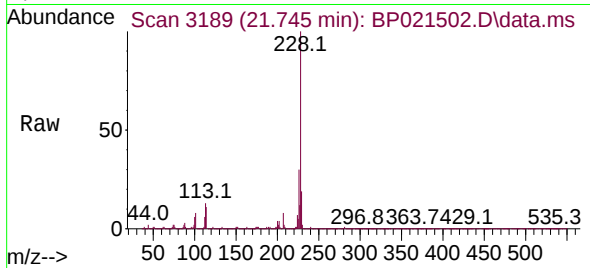
Tgt Ion:228 Resp: 1035221

Ion Ratio Lower Upper

228 100

226 29.6 23.9 35.9

229 19.3 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.130 ng

RT: 21.639 min Scan# 3171

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

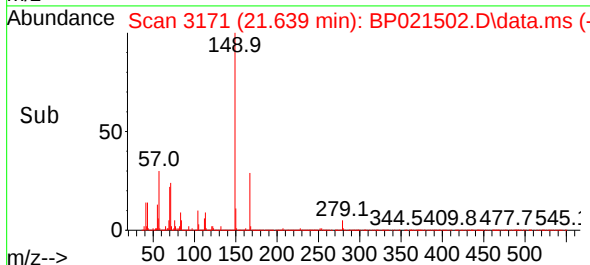
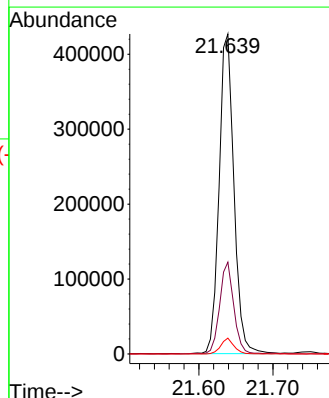
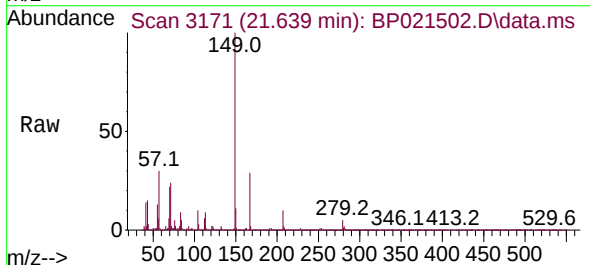
Tgt Ion:149 Resp: 592518

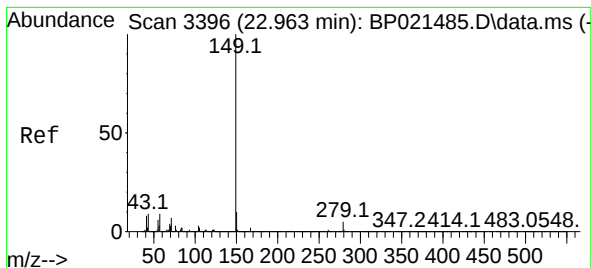
Ion Ratio Lower Upper

149 100

167 28.7 22.3 33.5

279 4.9 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 11.083 ng

RT: 22.957 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

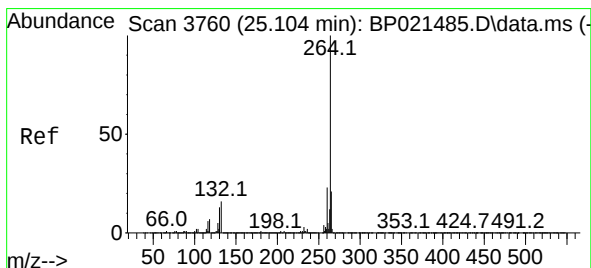
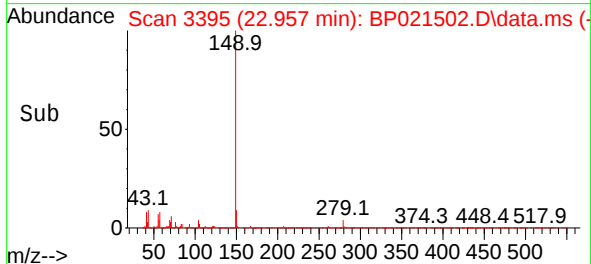
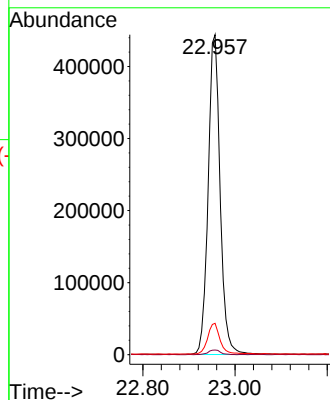
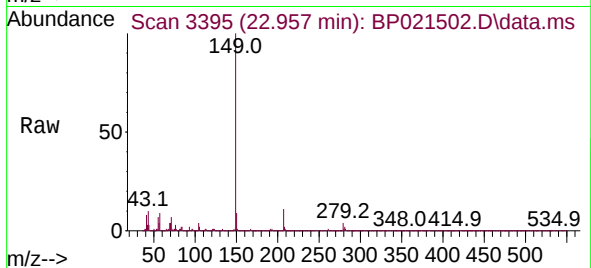
Tgt Ion:149 Resp: 807047

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 9.8 7.3 10.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.092 min Scan# 3758

Delta R.T. -0.012 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

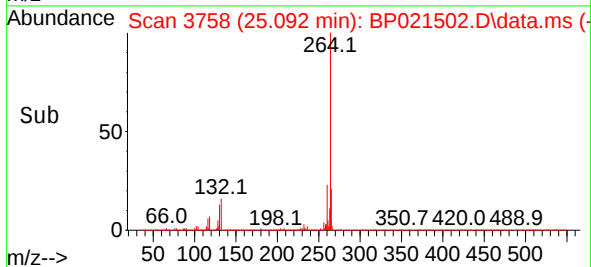
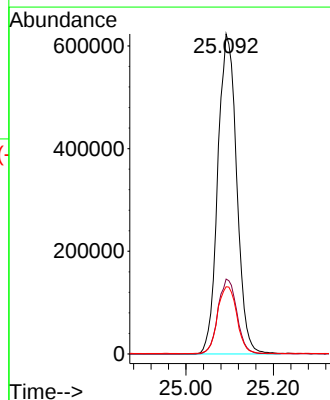
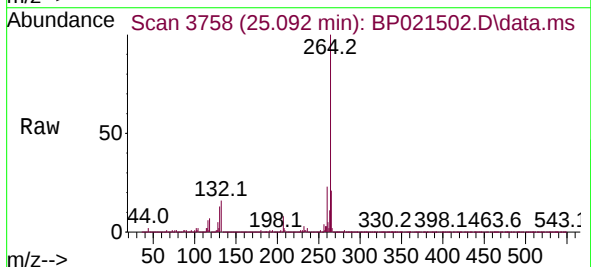
Tgt Ion:264 Resp: 1858884

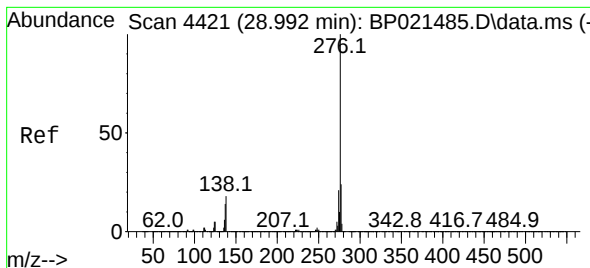
Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 21.0 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.143 ng

RT: 28.968 min Scan# 4417

Delta R.T. -0.024 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

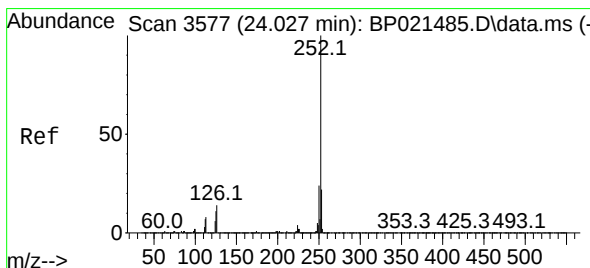
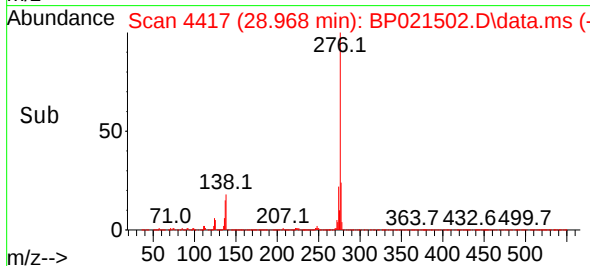
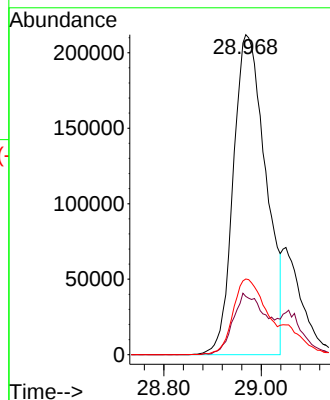
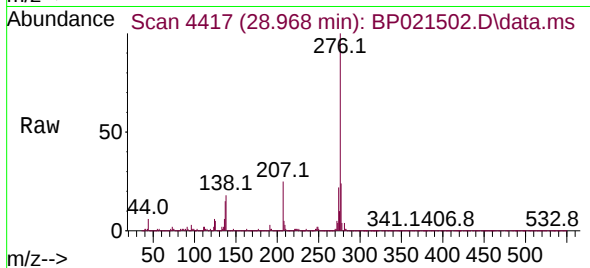
Tgt Ion:276 Resp: 981138

Ion Ratio Lower Upper

276 100

138 18.9 12.8 19.2

277 24.4 16.5 24.7



#88

Benzo(b)fluoranthene

Concen: 9.578 ng

RT: 24.027 min Scan# 3577

Delta R.T. -0.000 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

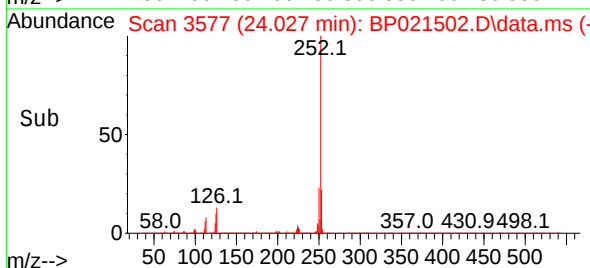
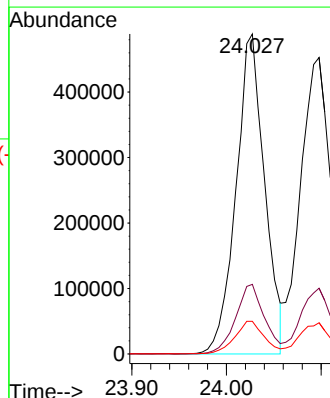
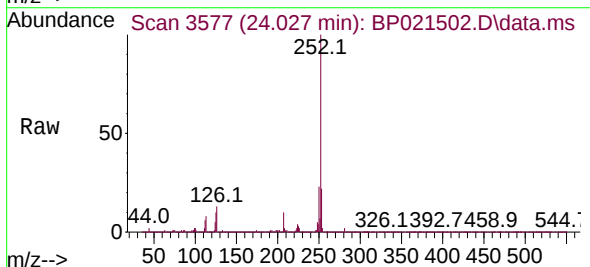
Tgt Ion:252 Resp: 1022599

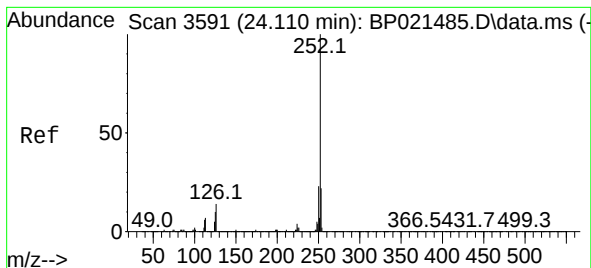
Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 10.2 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 10.163 ng

RT: 24.098 min Scan# 3589

Delta R.T. -0.012 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

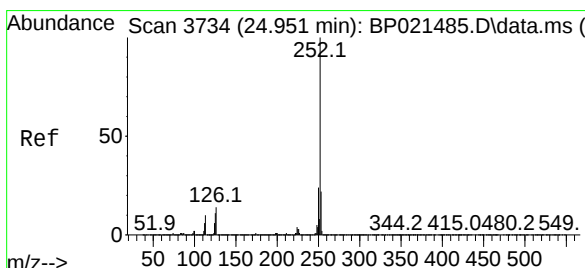
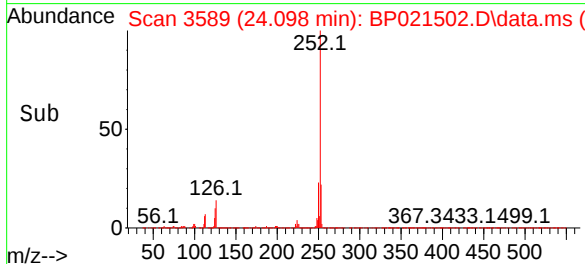
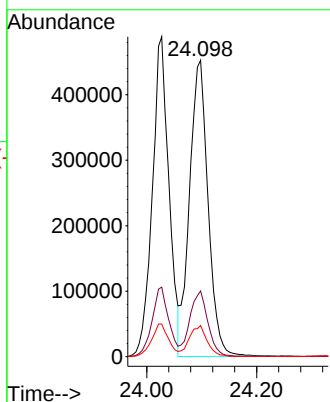
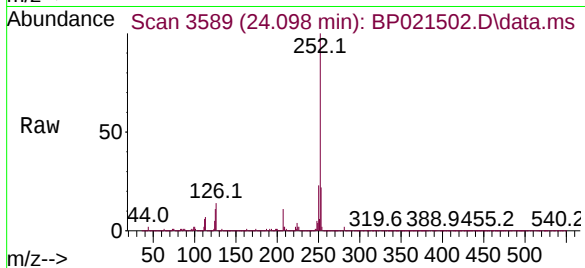
Tgt Ion:252 Resp: 1058423

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 10.5 7.8 11.8



#90

Benzo(a)pyrene

Concen: 10.071 ng

RT: 24.939 min Scan# 3732

Delta R.T. -0.012 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

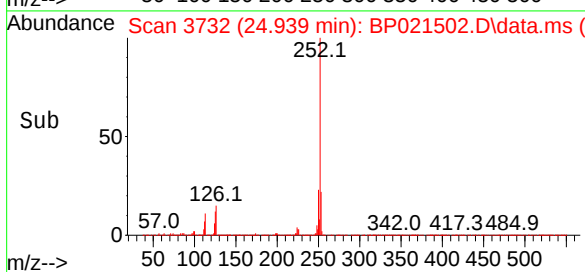
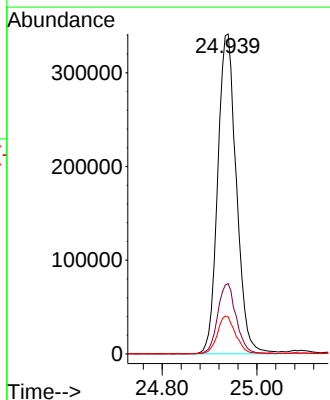
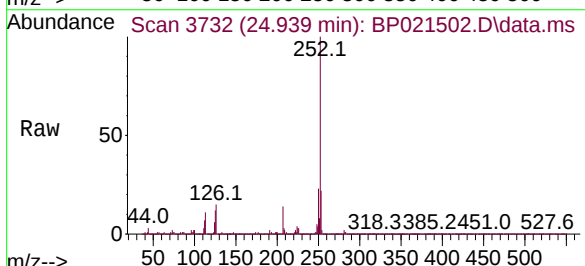
Tgt Ion:252 Resp: 933021

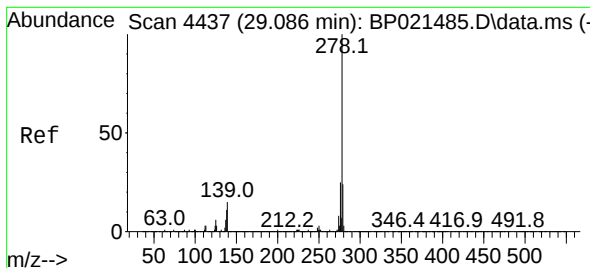
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 11.6 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 9.855 ng

RT: 29.056 min Scan# 4437

Delta R.T. -0.029 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

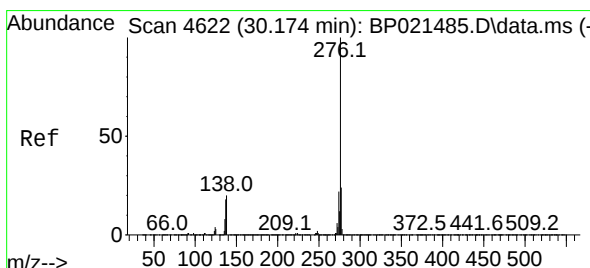
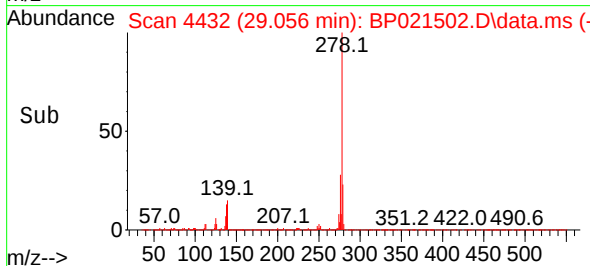
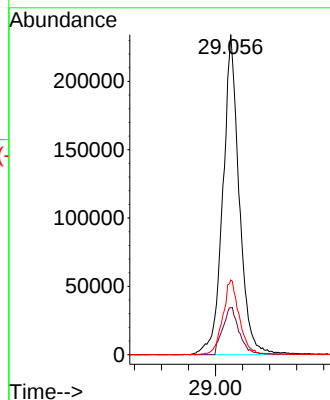
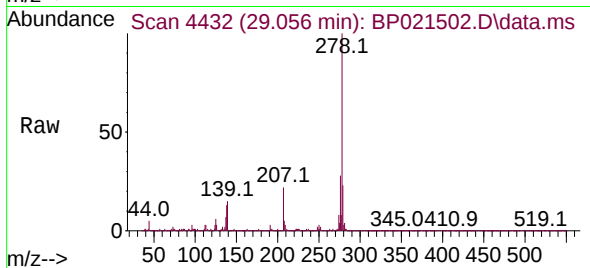
Tgt Ion:278 Resp: 986640

Ion Ratio Lower Upper

278 100

139 14.6 12.2 18.4

279 23.3 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 9.293 ng

RT: 30.168 min Scan# 4621

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Tgt Ion:276 Resp: 932496

Ion Ratio Lower Upper

276 100

277 23.6 19.0 28.6

138 22.7 16.0 24.0

