

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052523\
 Data File : BP015287.D
 Acq On : 25 May 2023 11:56
 Operator : CG/JU
 Sample : 02213-02
 Misc : LOQ-SOIL-5ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

Quant Time: May 25 13:56:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 01:41:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.111	152	203348	20.000	ng	0.00
21) Naphthalene-d8	10.940	136	803266	20.000	ng	0.00
39) Acenaphthene-d10	14.757	164	494855	20.000	ng	0.00
64) Phenanthrene-d10	17.516	188	987421	20.000	ng	0.01
76) Chrysene-d12	21.592	240	761158	20.000	ng	0.00
86) Perylene-d12	24.151	264	838771	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	1262024	102.840	ng	0.00
7) Phenol-d6	7.264	99	1664052	103.472	ng	0.00
23) Nitrobenzene-d5	9.287	82	1242386	75.518	ng	0.00
42) 2,4,6-Tribromophenol	16.251	330	680082	101.131	ng	0.00
45) 2-Fluorobiphenyl	13.381	172	2728441	74.023	ng	0.00
79) Terphenyl-d14	20.051	244	3179040	78.560	ng	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.452	88	25526	4.696	ng	97
3) Pyridine	3.887	79	56620	4.076	ng	95
4) n-Nitrosodimethylamine	3.787	42	29899	4.612	ng	98
6) Aniline	7.428	93	98876	4.864	ng	99
8) 2-Chlorophenol	7.669	128	61958	4.831	ng	97
9) Benzaldehyde	7.240	77	57006	2.061	ng	93
10) Phenol	7.287	94	79726	4.950	ng	94
11) bis(2-Chloroethyl)ether	7.528	93	66978	4.961	ng	99
12) 1,3-Dichlorobenzene	7.999	146	72311	5.067	ng	99
13) 1,4-Dichlorobenzene	8.146	146	75449	5.253	ng	97
14) 1,2-Dichlorobenzene	8.469	146	70079	5.114	ng	97
15) Benzyl Alcohol	8.358	79	50651	4.512	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.646	45	90353	5.190	ng	98
17) 2-Methylphenol	8.558	107	50809	4.433	ng	97
18) Hexachloroethane	9.199	117	26778	4.947	ng	91
19) n-Nitroso-di-n-propyla...	8.922	70	52839	5.134	ng	97
20) 3+4-Methylphenols	8.887	107	68794	4.443	ng	97
22) Acetophenone	8.946	105	97656	4.681	ng	# 98
24) Nitrobenzene	9.334	77	82464	5.034	ng	98
25) Isophorone	9.857	82	135121	4.577	ng	98
26) 2-Nitrophenol	10.052	139	29485	4.101	ng	94
27) 2,4-Dimethylphenol	10.099	122	56720	4.705	ng	96
28) bis(2-Chloroethoxy)met...	10.340	93	89750	4.932	ng	100
29) 2,4-Dichlorophenol	10.587	162	54262	4.341	ng	97
30) 1,2,4-Trichlorobenzene	10.805	180	67639	4.852	ng	96
31) Naphthalene	10.993	128	204498	4.834	ng	98
32) Benzoic acid	10.175	122	11750	7.411	ng	87
33) 4-Chloroaniline	11.110	127	75568	4.321	ng	99
34) Hexachlorobutadiene	11.269	225	42695	4.833	ng	93
35) Caprolactam	11.875	113	13939	3.633	ng	89
36) 4-Chloro-3-methylphenol	12.216	107	58680	4.318	ng	97
37) 2-Methylnaphthalene	12.593	142	144649	4.811	ng	99
38) 1-Methylnaphthalene	12.810	142	137885	4.915	ng	97
40) 1,2,4,5-Tetrachloroben...	12.957	216	73788	4.544	ng	99
41) Hexachlorocyclopentadiene	12.934	237	37883	4.405	ng	94
43) 2,4,6-Trichlorophenol	13.193	196	45467	4.314	ng	99

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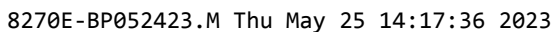
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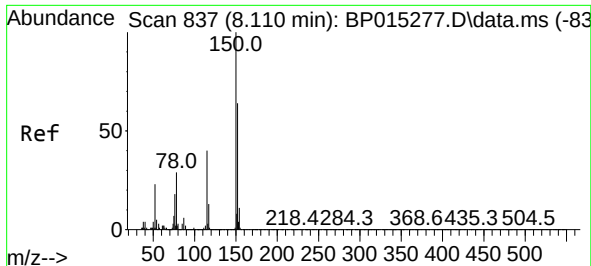
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.269	196	49298	3.979	ng	96
46) 1,1'-Biphenyl	13.593	154	185748	4.737	ng	99
47) 2-Chloronaphthalene	13.640	162	145122	4.906	ng	97
48) 2-Nitroaniline	13.846	65	33636	3.723	ng	94
49) Acenaphthylene	14.481	152	220040	4.649	ng	98
50) Dimethylphthalate	14.204	163	178978	4.623	ng	100
51) 2,6-Dinitrotoluene	14.328	165	34055	4.166	ng	97
52) Acenaphthene	14.822	154	135955	4.823	ng	99
53) 3-Nitroaniline	14.663	138	29309	3.508	ng	89
54) 2,4-Dinitrophenol	14.881	184	12604	7.330	ng	90
55) Dibenzofuran	15.151	168	223430	4.845	ng	99
56) 4-Nitrophenol	14.969	139	18654	5.862	ng	94
57) 2,4-Dinitrotoluene	15.122	165	40276	3.747	ng	# 98
58) Fluorene	15.804	166	175734	4.934	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.381	232	41539	4.192	ng	96
60) Diethylphthalate	15.563	149	169376	4.392	ng	99
61) 4-Chlorophenyl-phenyle...	15.792	204	87467	4.797	ng	98
62) 4-Nitroaniline	15.828	138	25292	4.986	ng	95
63) Azobenzene	16.087	77	161638	4.393	ng	98
65) 4,6-Dinitro-2-methylph...	15.887	198	19524	3.255	ng	99
66) n-Nitrosodiphenylamine	16.010	169	143823	4.888	ng	100
67) 4-Bromophenyl-phenylether	16.692	248	51508	4.824	ng	98
68) Hexachlorobenzene	16.810	284	59630	5.071	ng	98
69) Atrazine	16.957	200	42049	4.476	ng	98
70) Pentachlorophenol	17.163	266	26604	3.302	ng	98
71) Phenanthrene	17.557	178	260784	4.955	ng	99
72) Anthracene	17.645	178	247835	4.702	ng	99
73) Carbazole	17.916	167	201614	4.320	ng	99
74) Di-n-butylphthalate	18.445	149	233030	3.888	ng	99
75) Fluoranthene	19.510	202	257949	4.196	ng	99
77) Benzidine	19.686	184	71916	5.967	ng	97
78) Pyrene	19.863	202	269853	4.955	ng	99
80) Butylbenzylphthalate	20.716	149	84458	3.659	ng	97
81) Benzo(a)anthracene	21.575	228	244048	4.615	ng	99
82) 3,3'-Dichlorobenzidine	21.504	252	76056	4.656	ng	96
83) Chrysene	21.633	228	241738	4.767	ng	99
84) Bis(2-ethylhexyl)phtha...	21.475	149	122089	3.592	ng	99
85) Di-n-octyl phthalate	22.451	149	200694	3.490	ng	99
87) Indeno(1,2,3-cd)pyrene	26.857	276	277711	4.568	ng	99
88) Benzo(b)fluoranthene	23.363	252	237002	4.647	ng	98
89) Benzo(k)fluoranthene	23.416	252	240771	4.689	ng	98
90) Benzo(a)pyrene	24.033	252	203561	4.134	ng	98
91) Dibenzo(a,h)anthracene	26.874	278	229601	4.599	ng	97
92) Benzo(g,h,i)perylene	27.692	276	228522	4.505	ng	100

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

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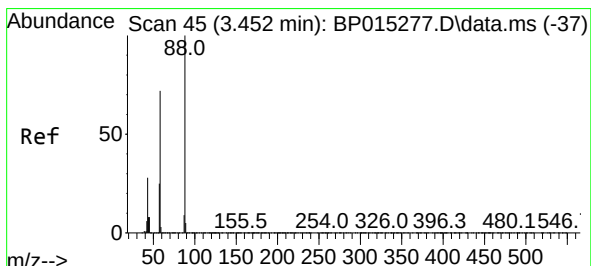
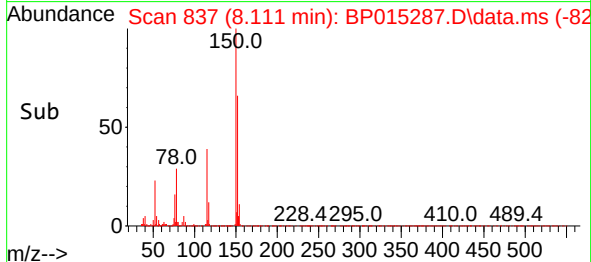
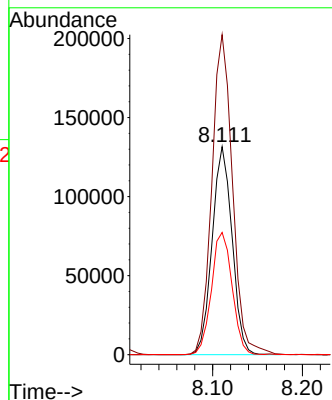
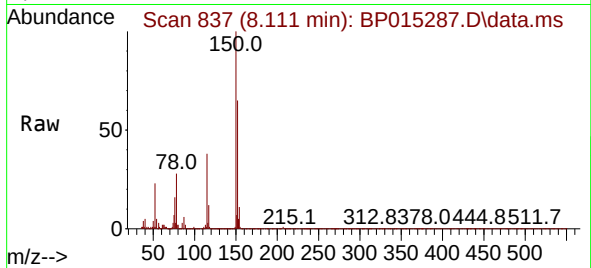




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.111 min Scan# 81
Delta R.T. 0.001 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

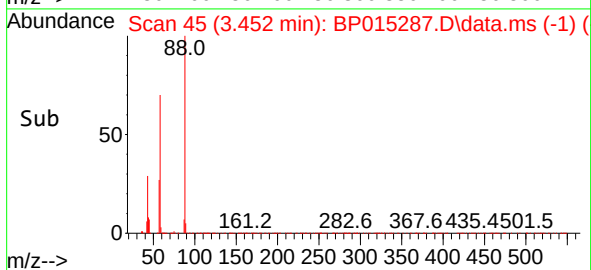
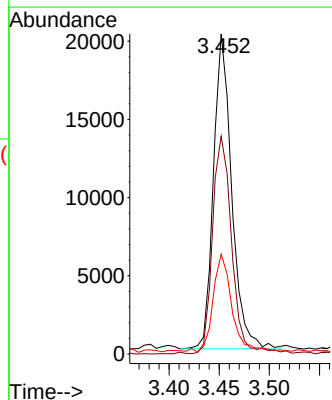
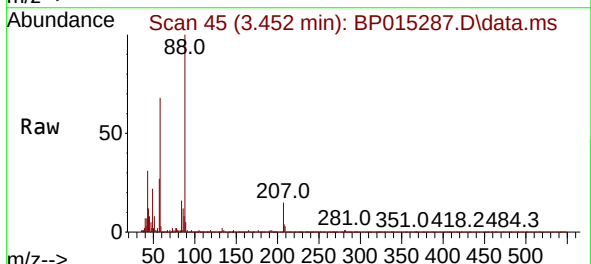
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

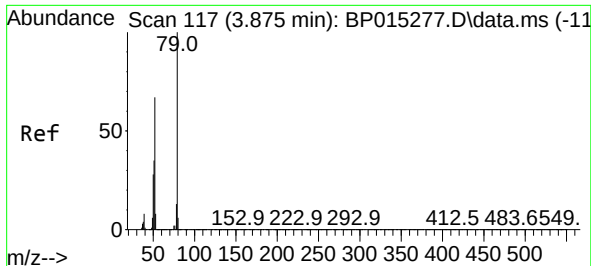
Tgt Ion:152 Resp: 203348
Ion Ratio Lower Upper
152 100
150 153.8 124.2 186.2
115 58.8 49.1 73.7



#2
1,4-Dioxane
Concen: 4.696 ng
RT: 3.452 min Scan# 45
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion: 88 Resp: 25526
Ion Ratio Lower Upper
88 100
58 72.1 56.2 84.4
43 30.9 22.1 33.1





#3

Pyridine

Concen: 4.076 ng

RT: 3.887 min Scan# 117

Delta R.T. 0.012 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

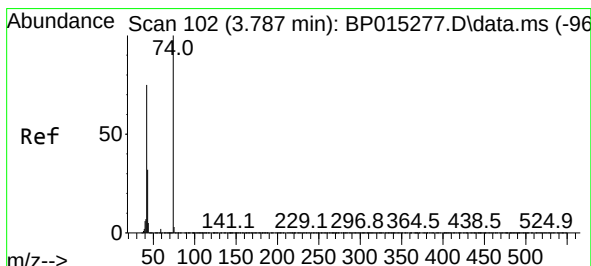
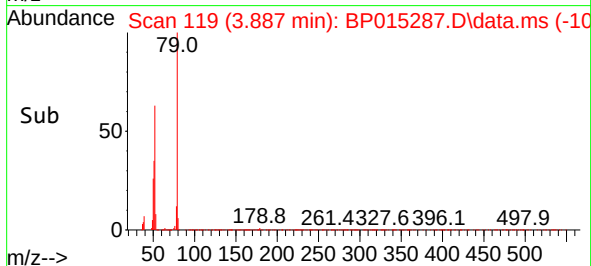
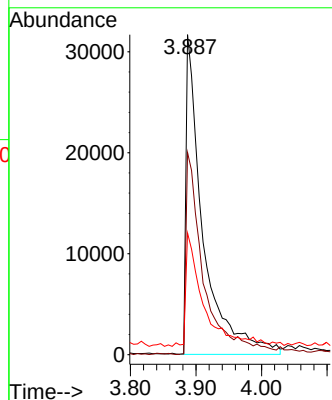
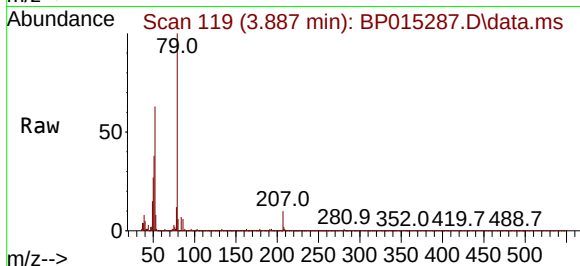
Tgt Ion: 79 Resp: 56620

Ion Ratio Lower Upper

79 100

52 63.1 53.7 80.5

51 38.0 28.6 43.0



#4

n-Nitrosodimethylamine

Concen: 4.612 ng

RT: 3.787 min Scan# 102

Delta R.T. 0.000 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

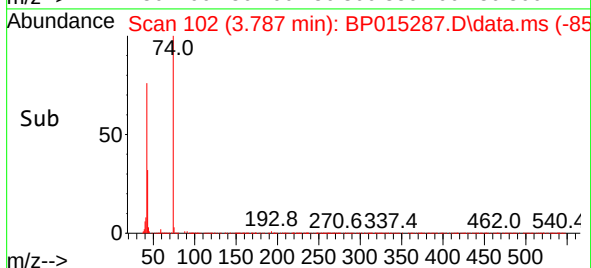
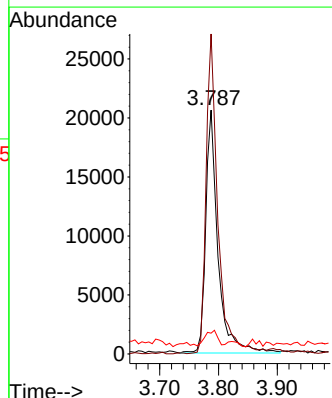
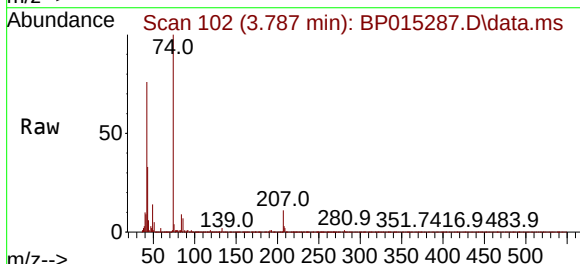
Tgt Ion: 42 Resp: 29899

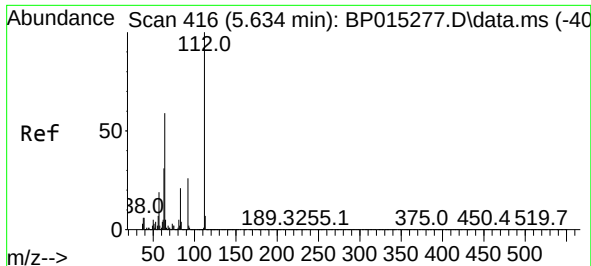
Ion Ratio Lower Upper

42 100

74 131.2 106.6 160.0

44 8.5 5.8 8.8

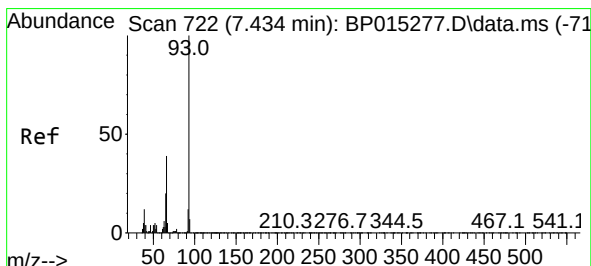
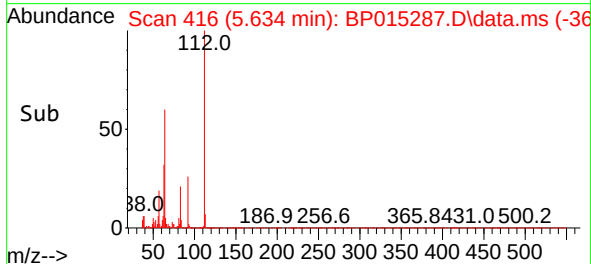
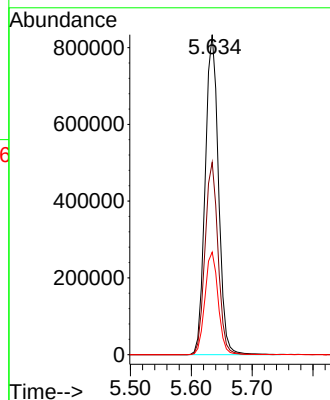
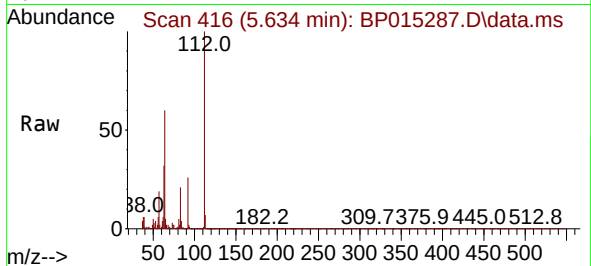




#5
2-Fluorophenol
Concen: 102.840 ng
RT: 5.634 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

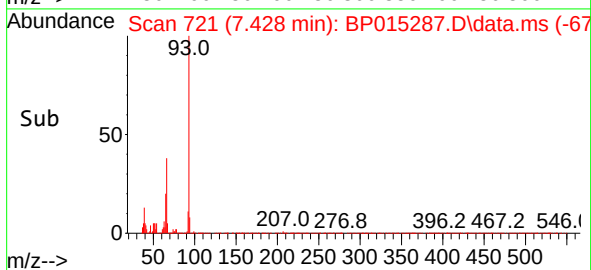
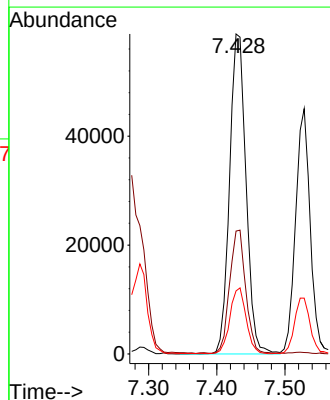
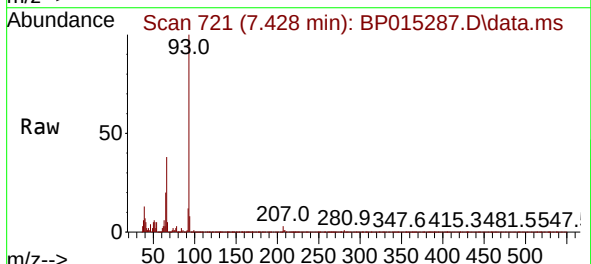
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

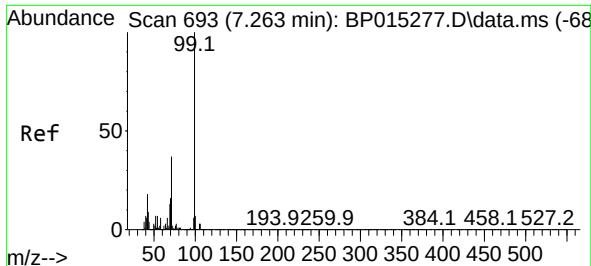
Tgt Ion:112 Resp: 1262024
Ion Ratio Lower Upper
112 100
64 60.1 47.2 70.8
63 32.0 24.6 37.0



#6
Aniline
Concen: 4.864 ng
RT: 7.428 min Scan# 721
Delta R.T. -0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion: 93 Resp: 98876
Ion Ratio Lower Upper
93 100
66 38.4 31.3 46.9
65 19.7 16.0 24.0



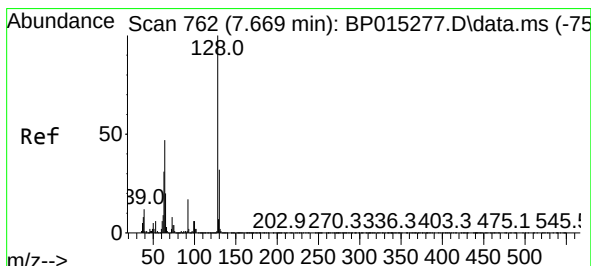
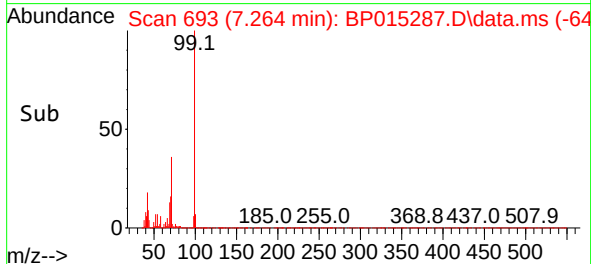
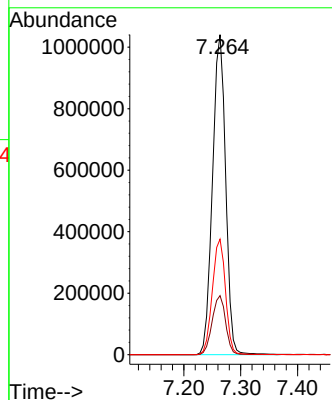
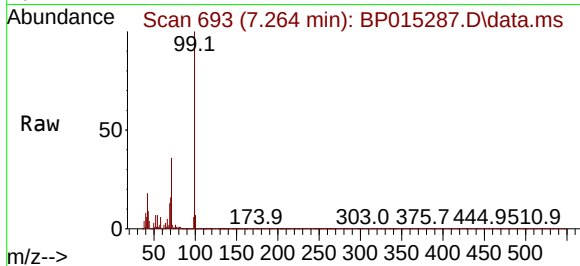


#7
Phenol-d6
Concen: 103.472 ng
RT: 7.264 min Scan# 693
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion: 99 Resp: 1664052

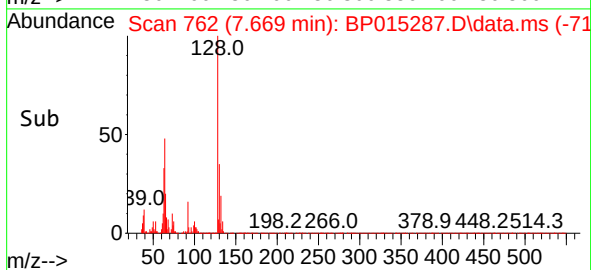
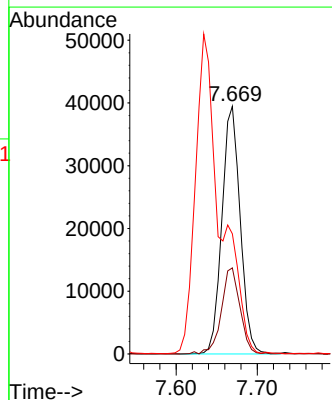
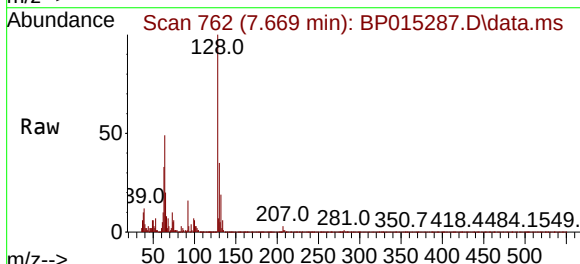
Ion	Ratio	Lower	Upper
99	100		
42	18.5	14.6	22.0
71	36.1	29.4	44.2

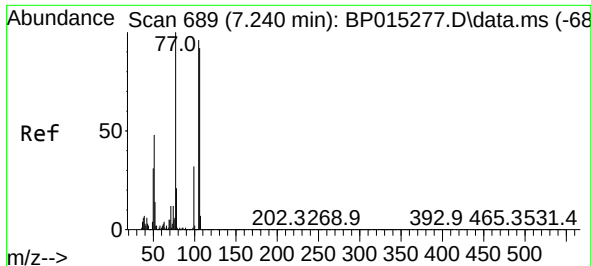


#8
2-Chlorophenol
Concen: 4.831 ng
RT: 7.669 min Scan# 762
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion: 128 Resp: 61958

Ion	Ratio	Lower	Upper
128	100		
130	34.8	11.5	51.5
64	48.5	27.3	67.3

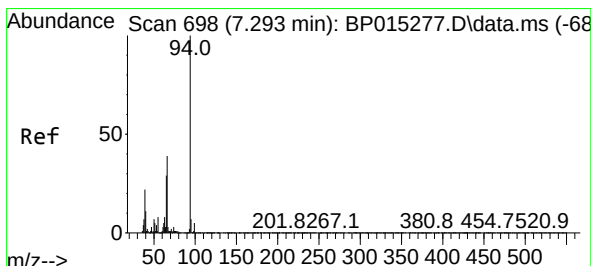
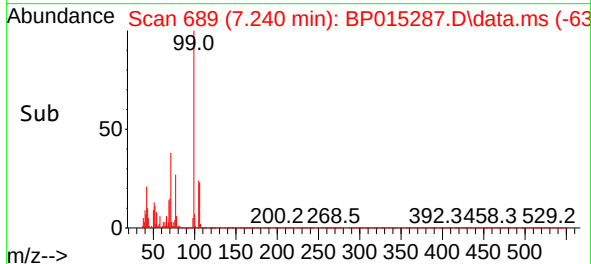
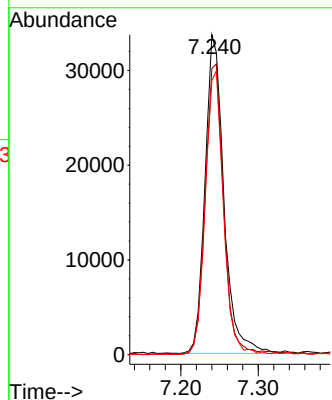
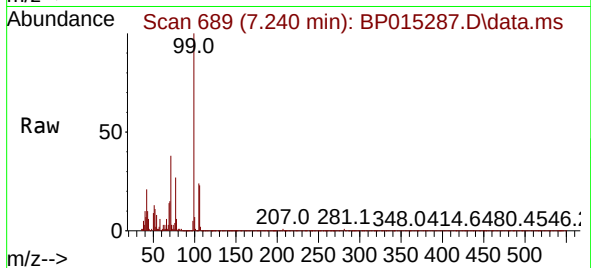




#9
Benzaldehyde
Concen: 2.061 ng
RT: 7.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

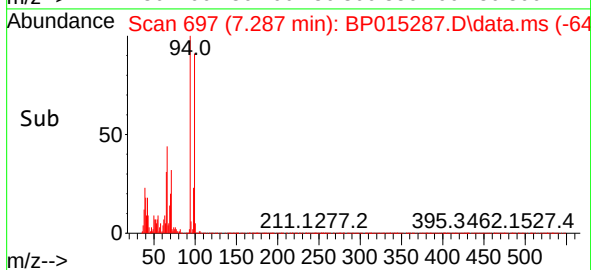
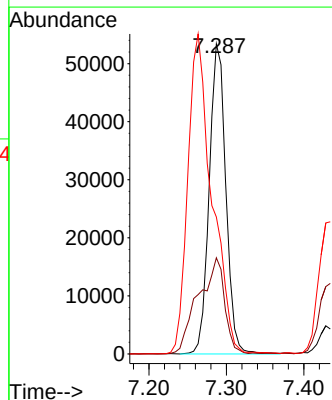
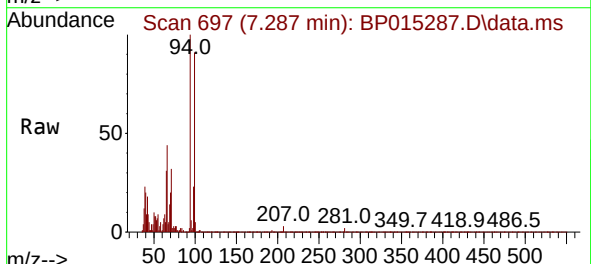
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

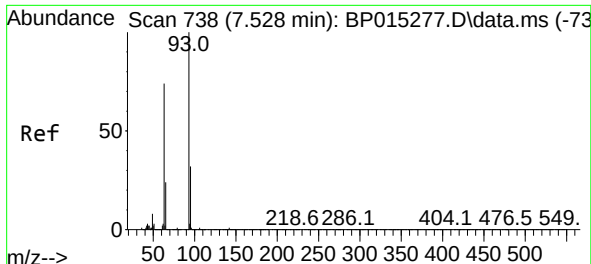
Tgt Ion: 77 Resp: 57006
Ion Ratio Lower Upper
77 100
105 89.4 75.9 115.9
106 85.7 72.3 112.3



#10
Phenol
Concen: 4.950 ng
RT: 7.287 min Scan# 697
Delta R.T. -0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion: 94 Resp: 79726
Ion Ratio Lower Upper
94 100
65 31.0 9.1 49.1
66 44.1 19.3 59.3

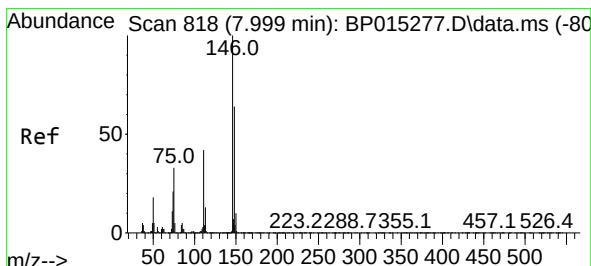
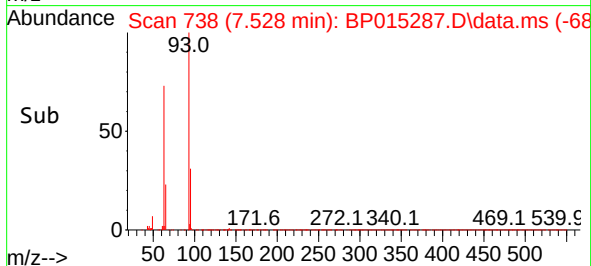
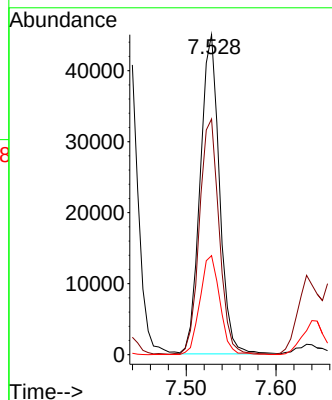
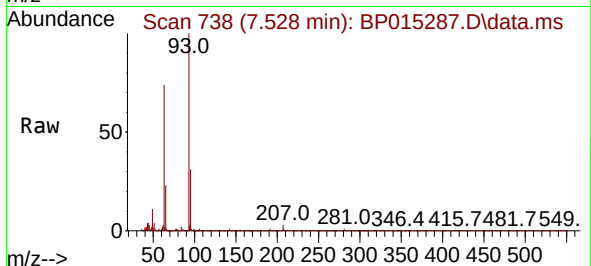




#11
bis(2-Chloroethyl)ether
Concen: 4.961 ng
RT: 7.528 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

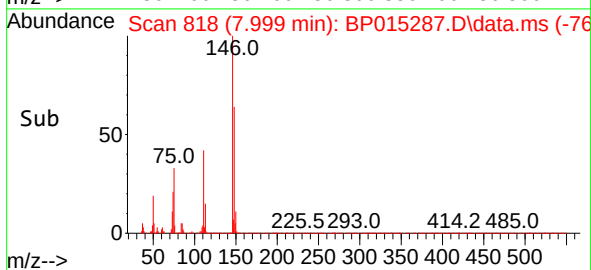
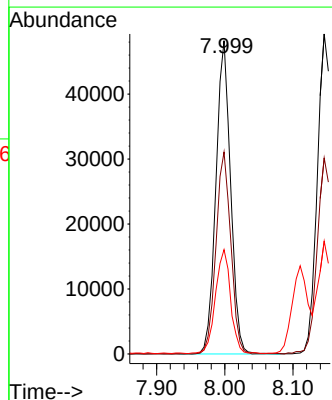
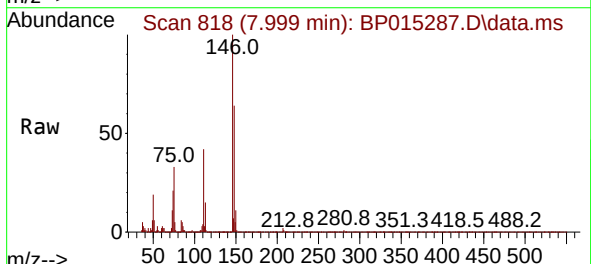
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

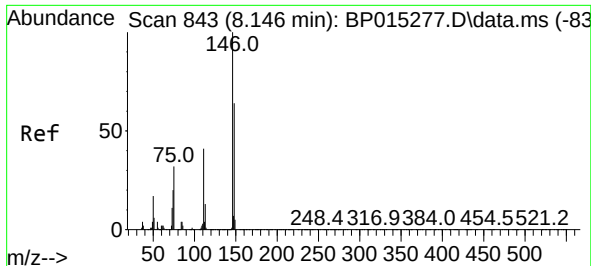
Tgt Ion: 93	Resp: 66978
Ion Ratio	Lower Upper
93 100	
63 73.7	53.9 93.9
95 30.9	12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 5.067 ng
RT: 7.999 min Scan# 818
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:146	Resp:	72311	
Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.8	76.2
75	33.3	26.1	39.1

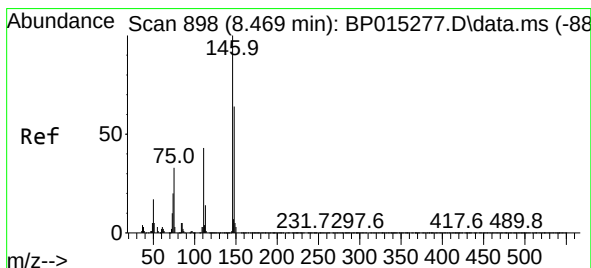
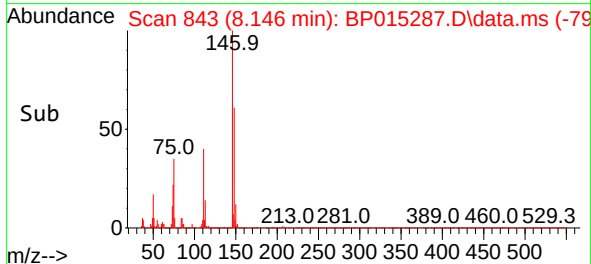
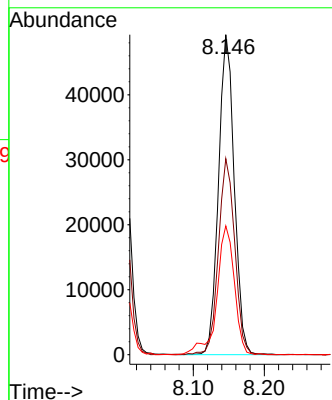
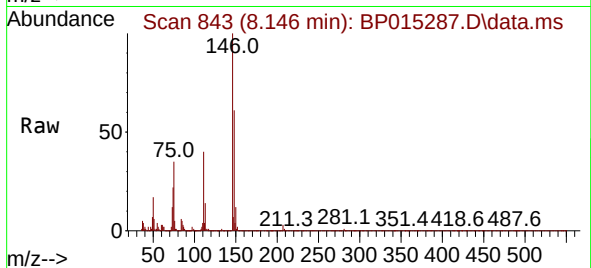




#13
1,4-Dichlorobenzene
Concen: 5.253 ng
RT: 8.146 min Scan# 843
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

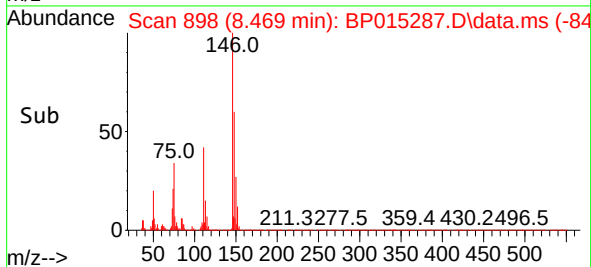
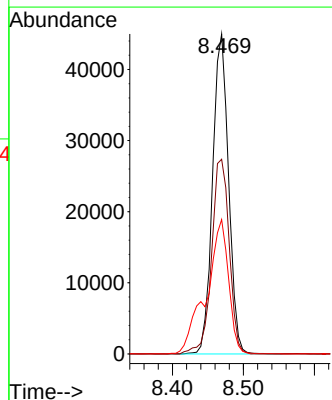
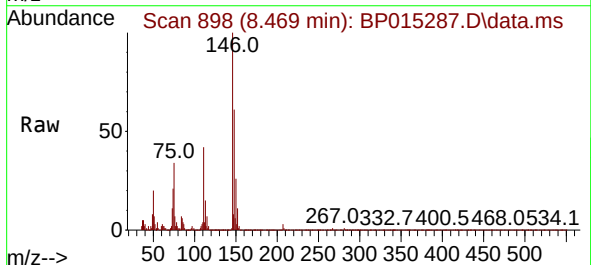
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

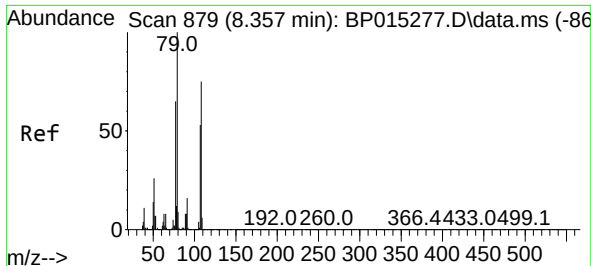
Tgt Ion:146 Resp: 75449
Ion Ratio Lower Upper
146 100
148 61.3 51.0 76.6
111 40.2 33.3 49.9



#14
1,2-Dichlorobenzene
Concen: 5.114 ng
RT: 8.469 min Scan# 898
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:146 Resp: 70079
Ion Ratio Lower Upper
146 100
148 60.9 51.4 77.2
111 42.0 34.2 51.2

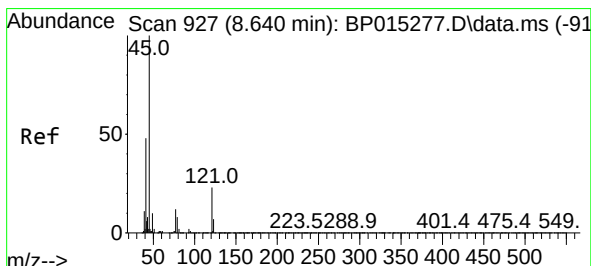
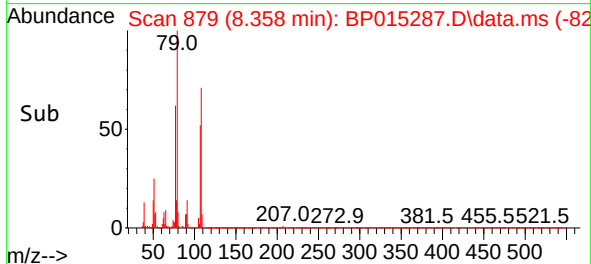
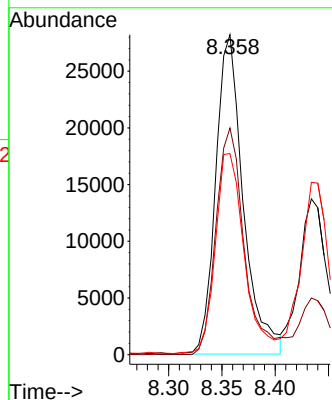
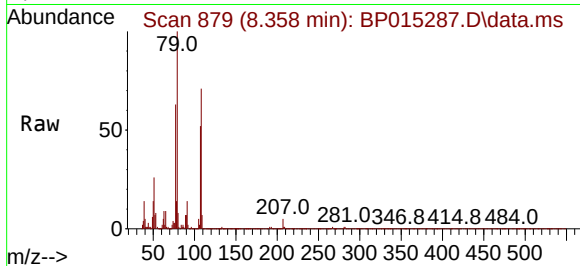




#15
Benzyl Alcohol
Concen: 4.512 ng
RT: 8.358 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

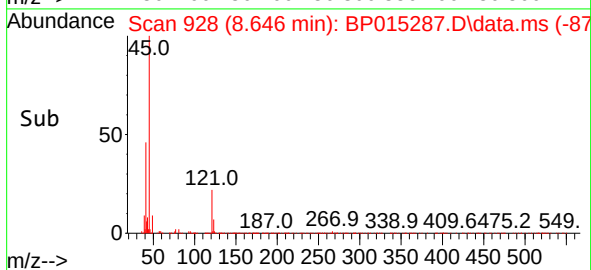
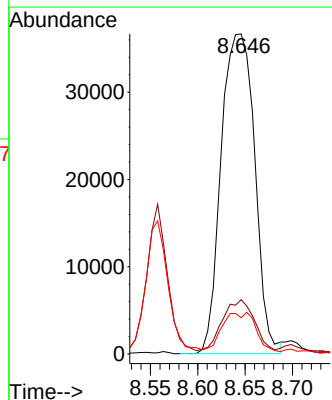
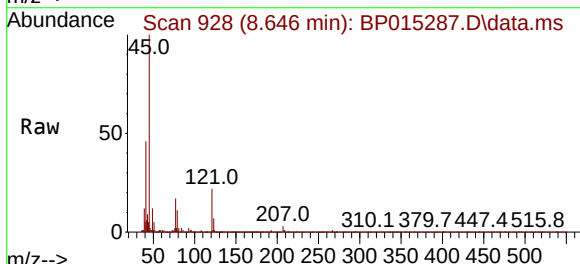
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

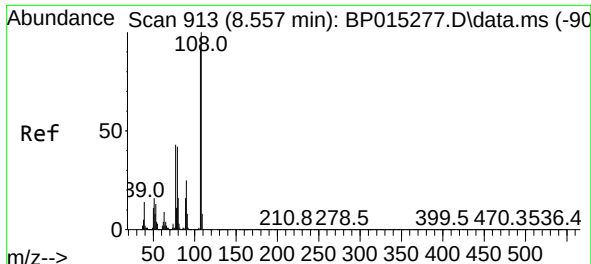
Tgt Ion: 79 Resp: 50651
Ion Ratio Lower Upper
79 100
108 70.9 60.2 90.2
77 62.8 52.1 78.1



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.190 ng
RT: 8.646 min Scan# 928
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion: 45 Resp: 90353
Ion Ratio Lower Upper
45 100
77 16.9 0.0 35.3
79 11.3 0.0 31.2

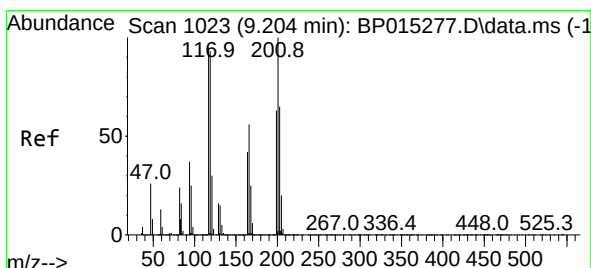
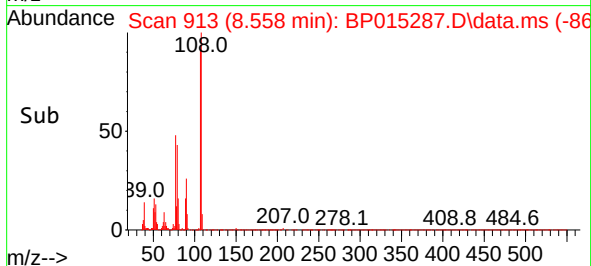
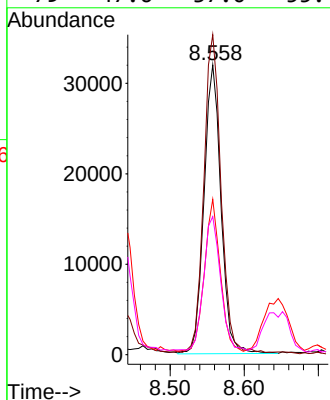
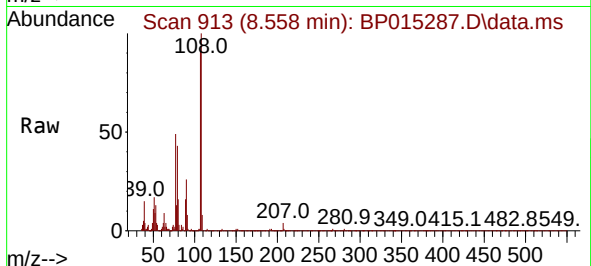




#17
2-Methylphenol
Concen: 4.433 ng
RT: 8.558 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

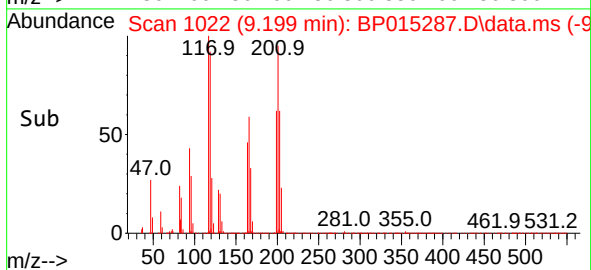
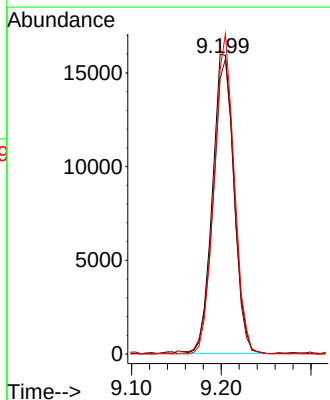
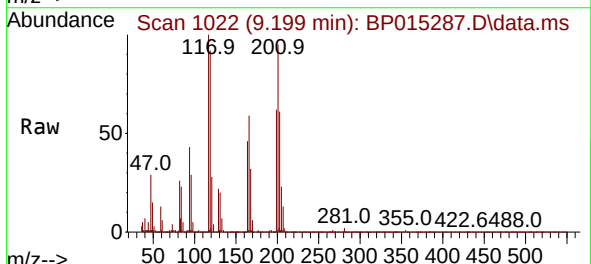
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

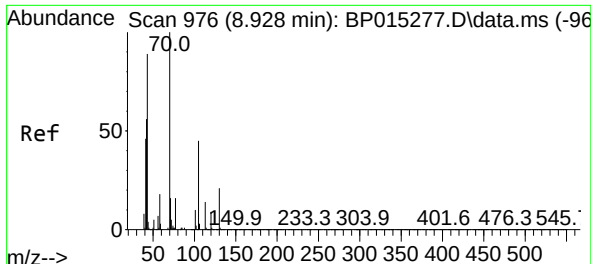
Tgt Ion:	107	Resp:	50809
Ion	Ratio	Lower	Upper
107	100		
108	110.4	87.3	130.9
77	53.6	38.1	57.1
79	47.6	37.0	55.4



#18
Hexachloroethane
Concen: 4.947 ng
RT: 9.199 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

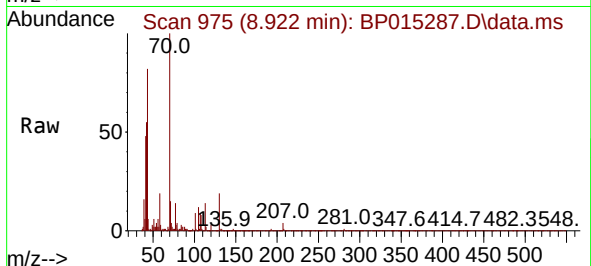
Tgt Ion:	117	Resp:	26778
Ion	Ratio	Lower	Upper
117	100		
119	91.8	78.8	118.2
201	94.9	84.5	126.7





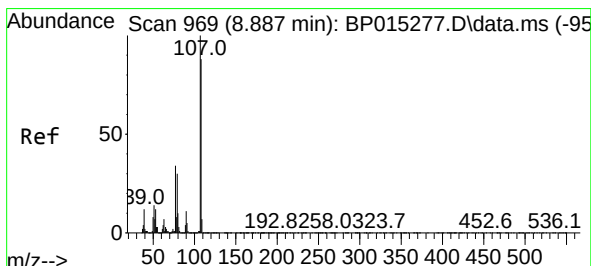
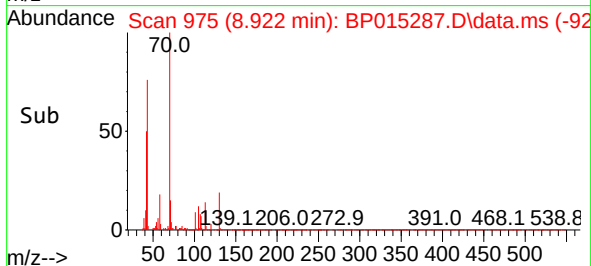
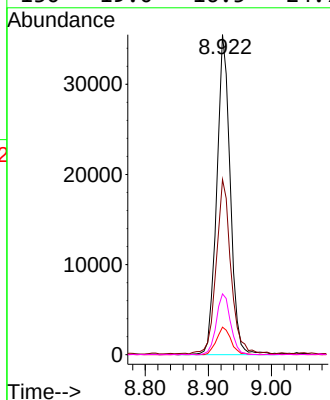
#19
n-Nitroso-di-n-propylamine
Concen: 5.134 ng
RT: 8.922 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 70 Resp: 52839

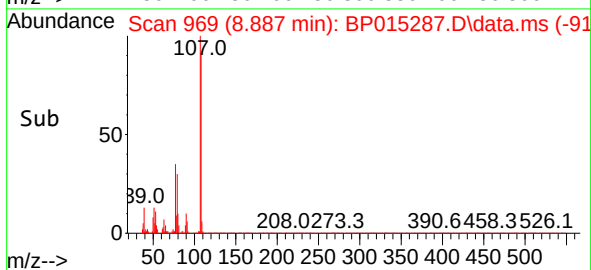
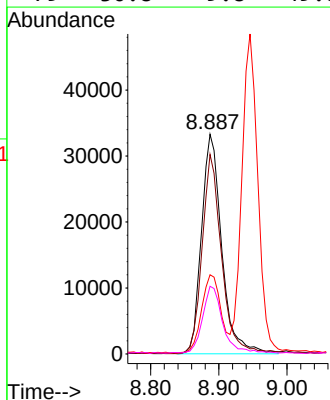
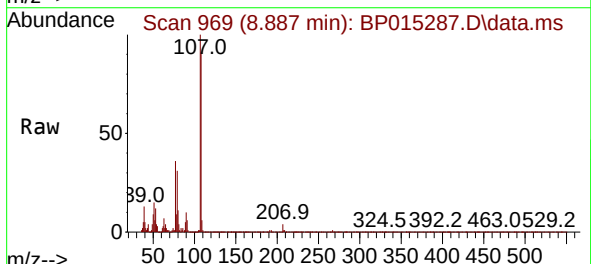
Ion	Ratio	Lower	Upper
70	100		
42	54.8	45.4	68.2
101	8.6	7.9	11.9
130	19.0	16.5	24.7

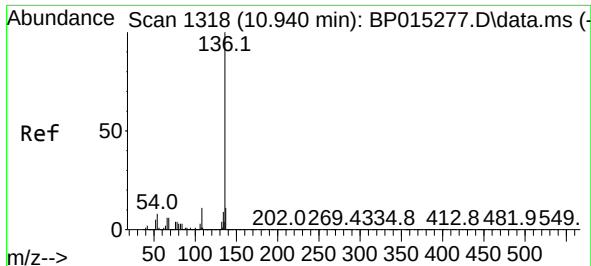


#20
3+4-Methylphenols
Concen: 4.443 ng
RT: 8.887 min Scan# 969
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion: 107 Resp: 68794

Ion	Ratio	Lower	Upper
107	100		
108	90.8	68.0	108.0
77	36.1	14.5	54.5
79	30.8	9.8	49.8

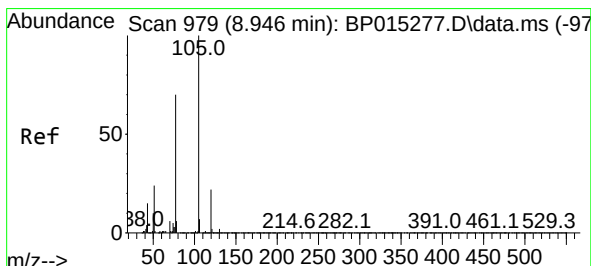
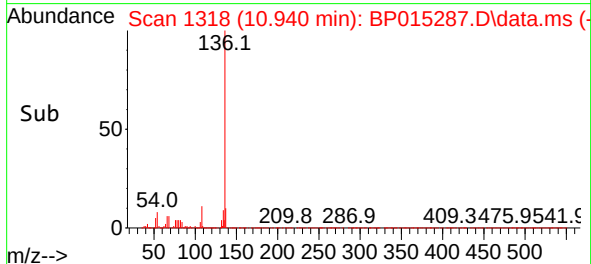
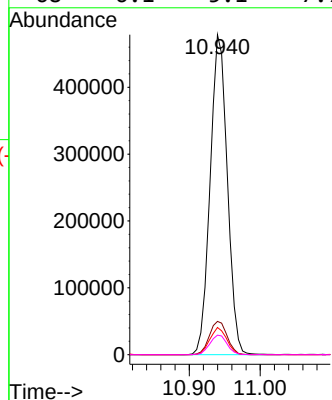
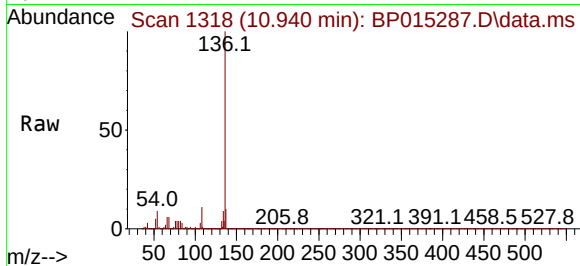




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.940 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

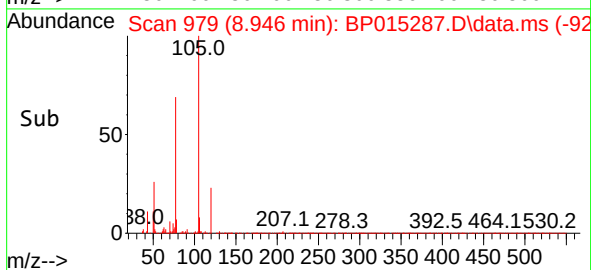
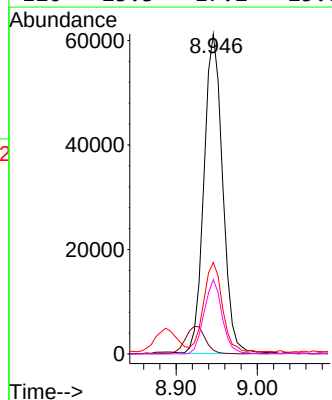
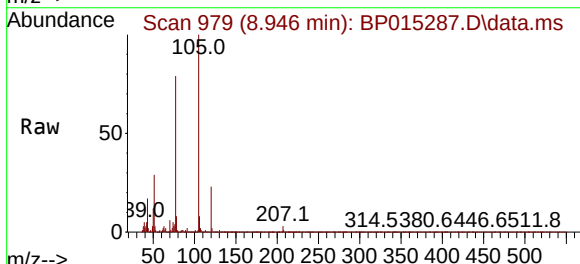
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

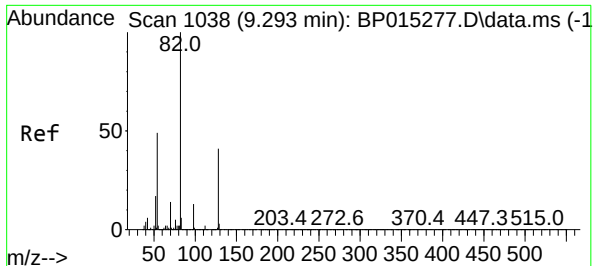
Tgt Ion:	136	Resp:	803266
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	8.5	6.3	9.5
68	6.1	5.1	7.7



#22
Acetophenone
Concen: 4.681 ng
RT: 8.946 min Scan# 979
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:	105	Resp:	97656
Ion	Ratio	Lower	Upper
105	100		
71	1.2	1.5	2.3
51	28.6	22.5	33.7
120	23.3	17.2	25.8

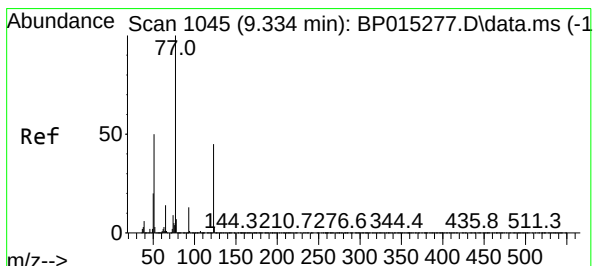
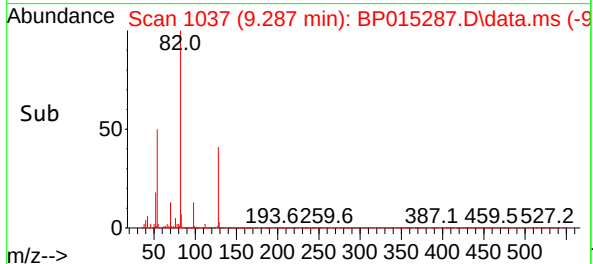
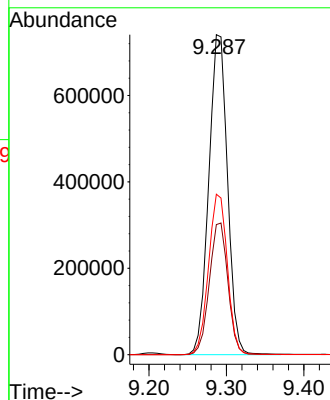
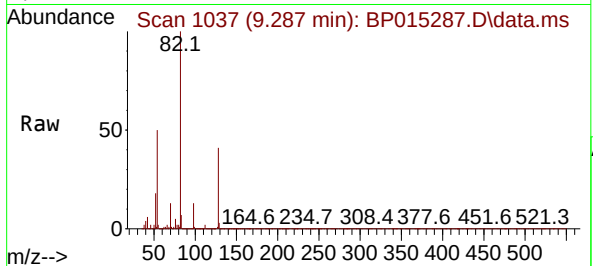




#23
Nitrobenzene-d5
Concen: 75.518 ng
RT: 9.287 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

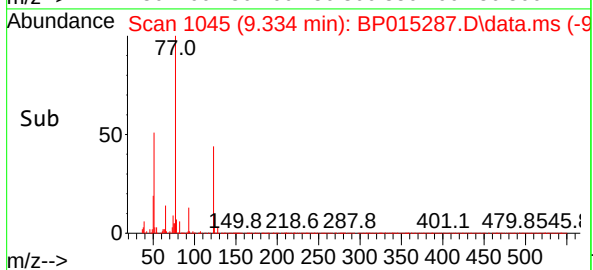
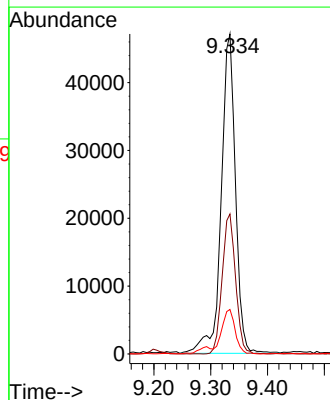
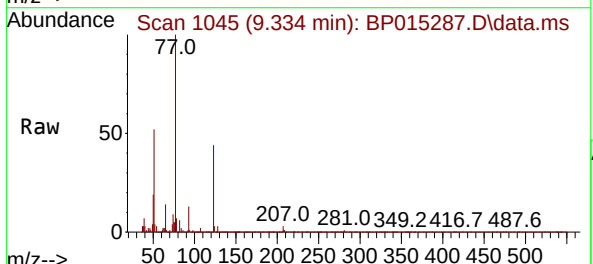
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

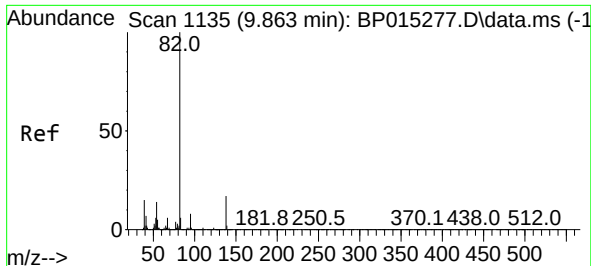
Tgt Ion: 82 Resp: 1242386
Ion Ratio Lower Upper
82 100
128 40.6 33.0 49.4
54 50.2 39.2 58.8



#24
Nitrobenzene
Concen: 5.034 ng
RT: 9.334 min Scan# 1045
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion: 77 Resp: 82464
Ion Ratio Lower Upper
77 100
123 43.8 36.2 54.4
65 13.9 10.8 16.2

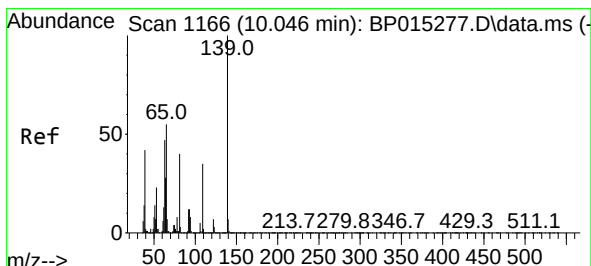
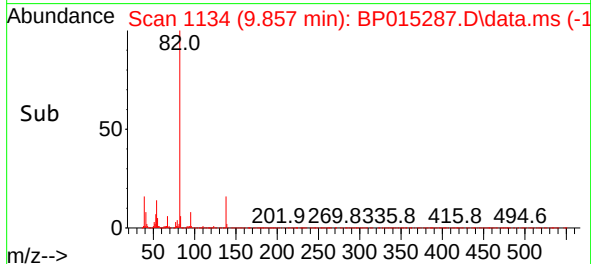
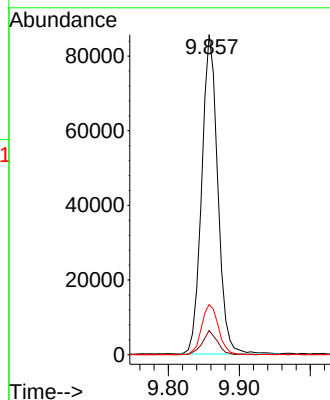
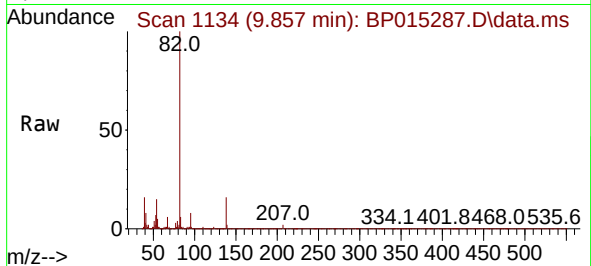




#25
Isophorone
Concen: 4.577 ng
RT: 9.857 min Scan# 1135
Delta R.T. -0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

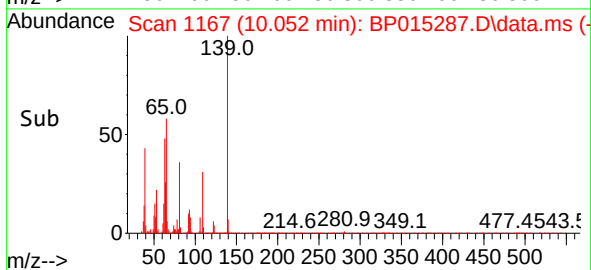
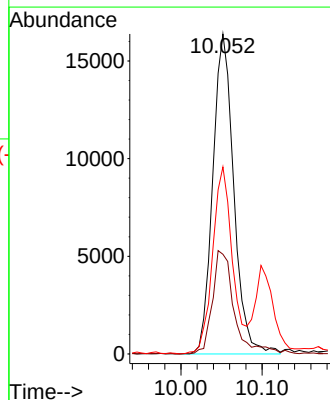
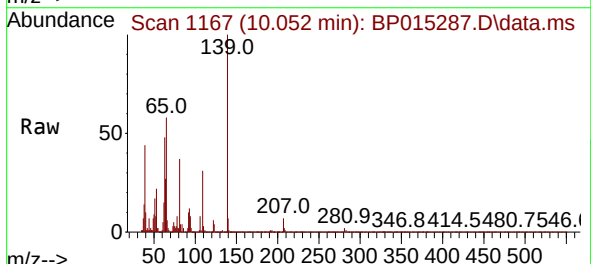
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

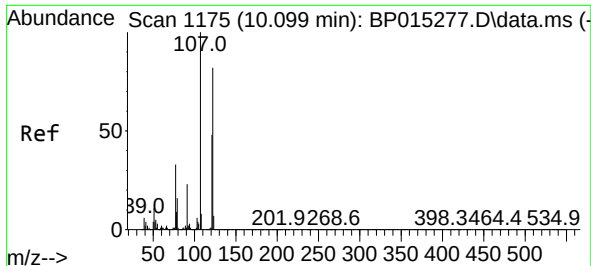
Tgt Ion: 82 Resp: 135121
Ion Ratio Lower Upper
82 100
95 7.5 6.3 9.5
138 15.6 13.6 20.4



#26
2-Nitrophenol
Concen: 4.101 ng
RT: 10.052 min Scan# 1167
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion: 139 Resp: 29485
Ion Ratio Lower Upper
139 100
109 31.2 28.4 42.6
65 58.5 43.8 65.8

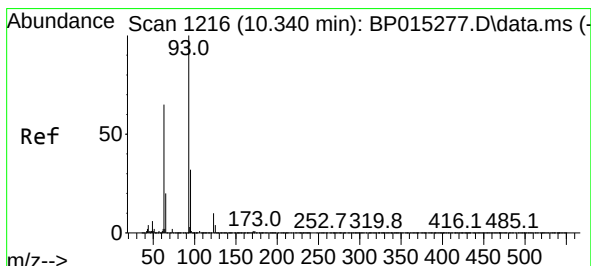
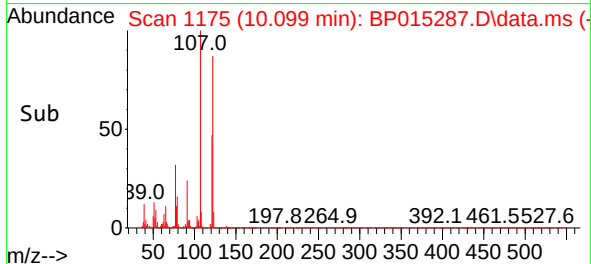
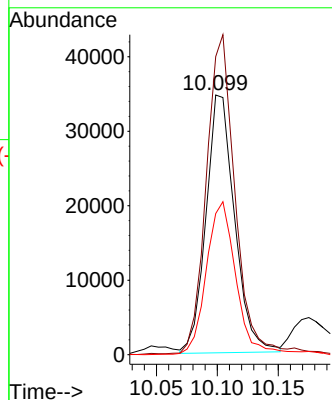
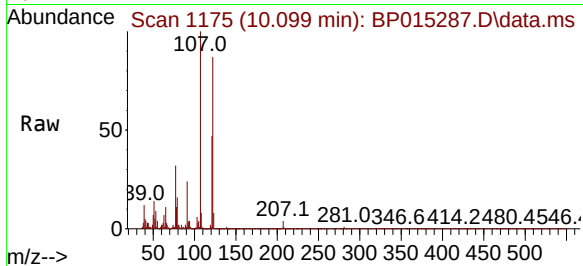




#27
2,4-Dimethylphenol
Concen: 4.705 ng
RT: 10.099 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

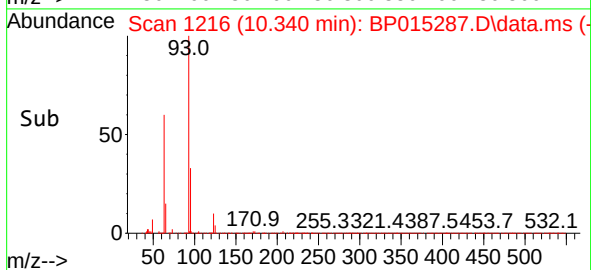
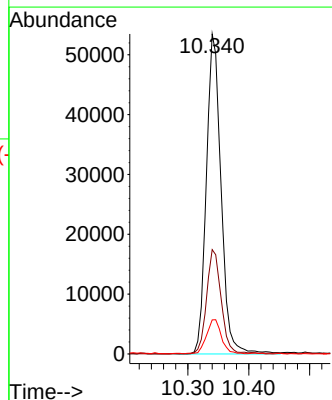
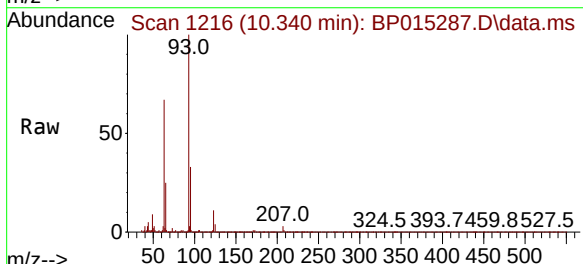
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

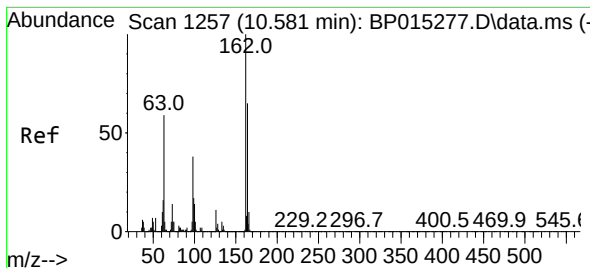
Tgt Ion:122 Resp: 56720
Ion Ratio Lower Upper
122 100
107 114.8 95.9 143.9
121 54.3 45.8 68.8



#28
bis(2-Chloroethoxy)methane
Concen: 4.932 ng
RT: 10.340 min Scan# 1216
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion: 93 Resp: 89750
Ion Ratio Lower Upper
93 100
95 32.6 26.0 39.0
123 10.6 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 4.341 ng

RT: 10.587 min Scan# 1257

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

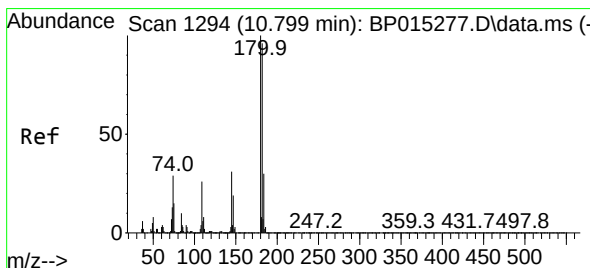
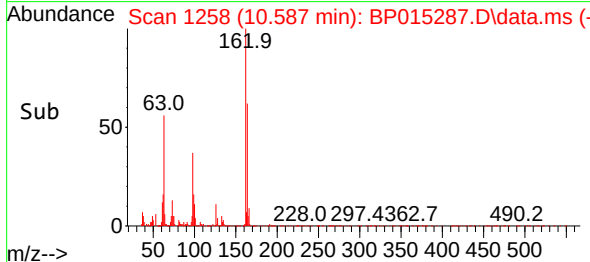
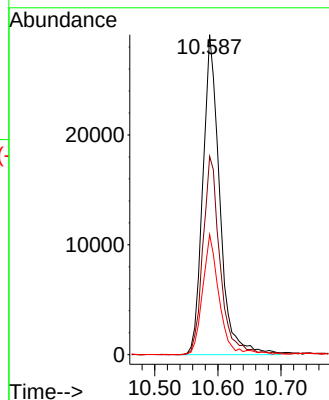
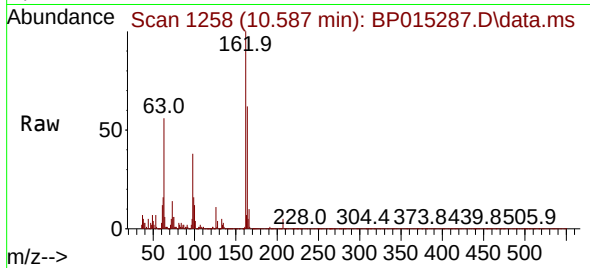
Tgt Ion:162 Resp: 54262

Ion Ratio Lower Upper

162 100

164 61.9 45.4 85.4

98 37.5 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 4.852 ng

RT: 10.805 min Scan# 1295

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

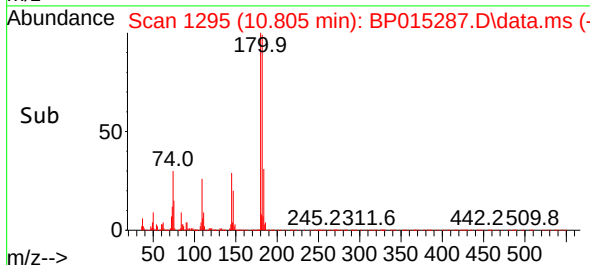
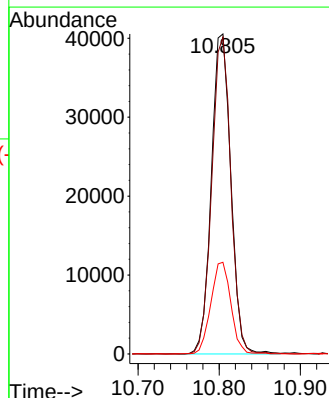
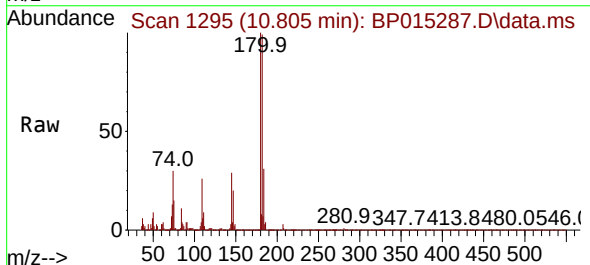
Tgt Ion:180 Resp: 67639

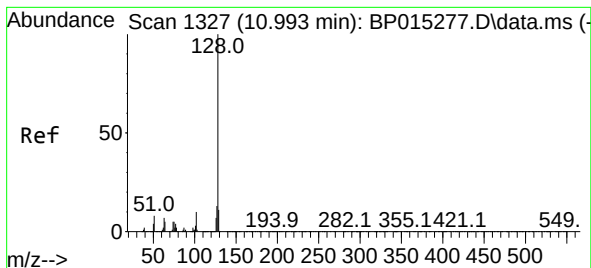
Ion Ratio Lower Upper

180 100

182 99.0 76.6 115.0

145 28.7 24.9 37.3





#31

Naphthalene

Concen: 4.834 ng

RT: 10.993 min Scan# 1188

Delta R.T. -0.000 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

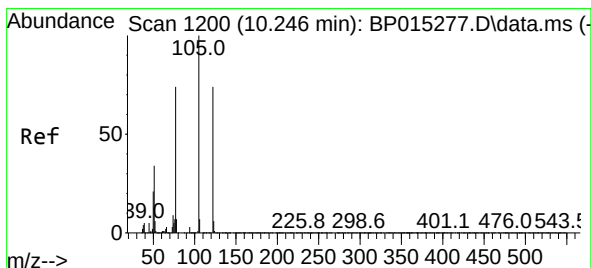
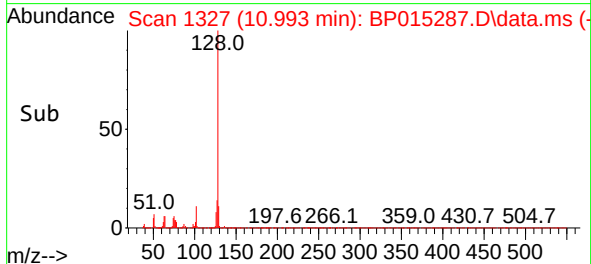
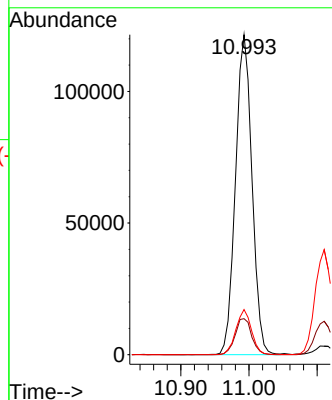
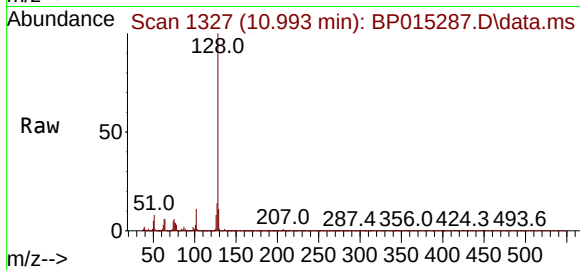
Tgt Ion:128 Resp: 204498

Ion Ratio Lower Upper

128 100

129 11.3 8.6 13.0

127 14.1 10.4 15.6



#32

Benzoic acid

Concen: 7.411 ng

RT: 10.175 min Scan# 1188

Delta R.T. -0.071 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

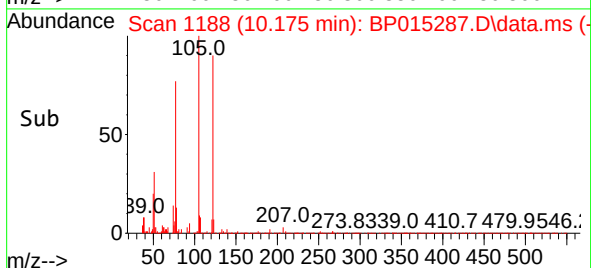
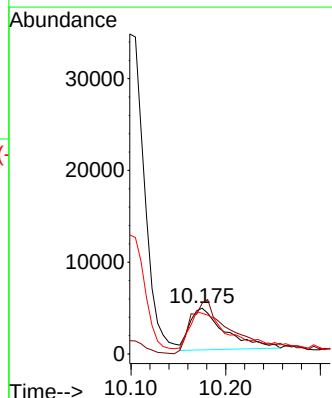
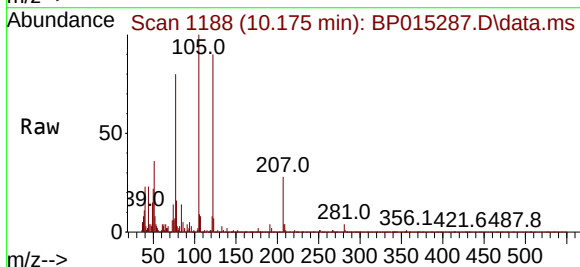
Tgt Ion:122 Resp: 11750

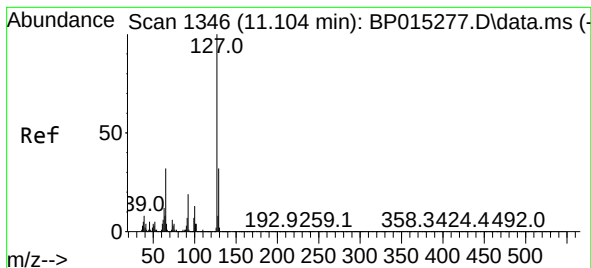
Ion Ratio Lower Upper

122 100

105 110.9 109.5 149.5

77 89.0 78.2 118.2





#33

4-Chloroaniline

Concen: 4.321 ng

RT: 11.110 min Scan# 11

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

Tgt Ion:127 Resp: 75568

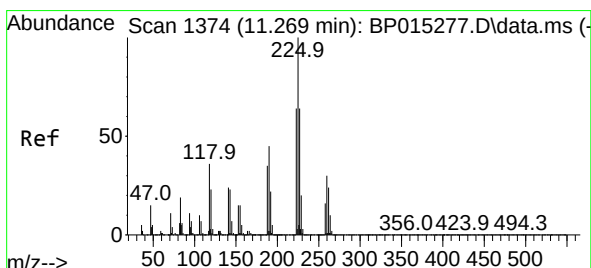
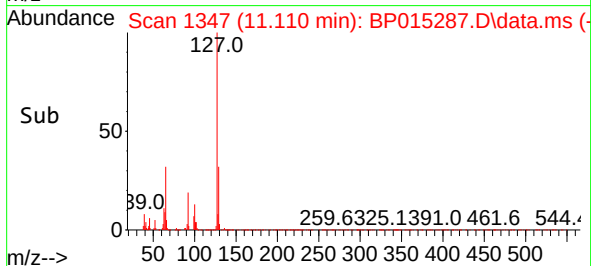
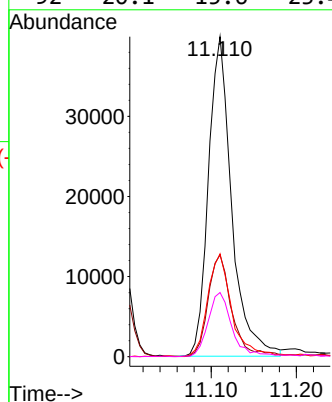
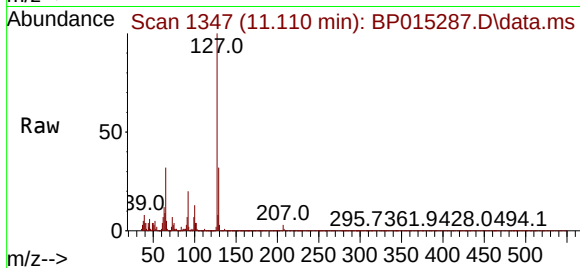
Ion Ratio Lower Upper

127 100

129 31.8 25.5 38.3

65 32.2 25.3 37.9

92 20.1 15.6 23.4



#34

Hexachlorobutadiene

Concen: 4.833 ng

RT: 11.269 min Scan# 1374

Delta R.T. 0.000 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

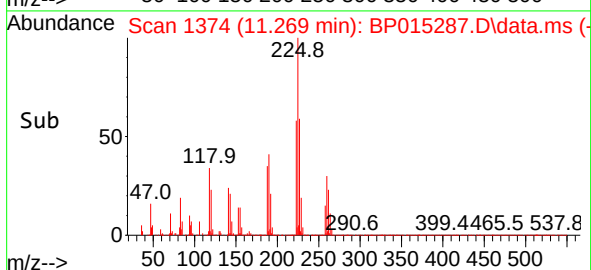
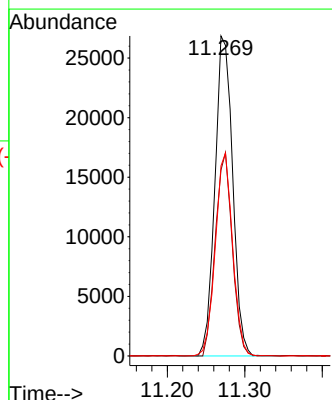
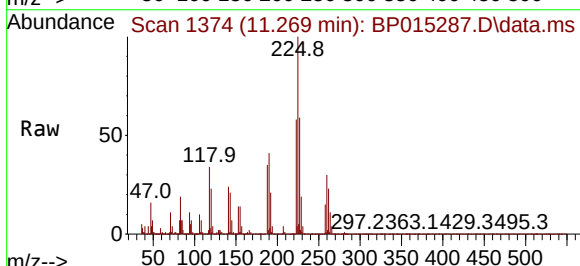
Tgt Ion:225 Resp: 42695

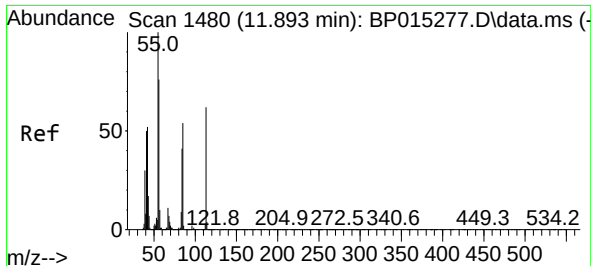
Ion Ratio Lower Upper

225 100

223 58.1 51.0 76.4

227 59.4 51.4 77.2

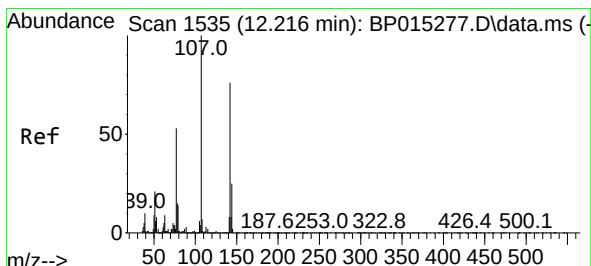
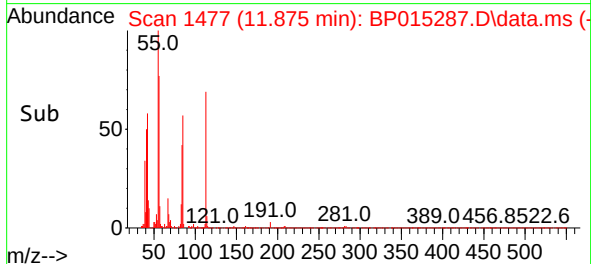
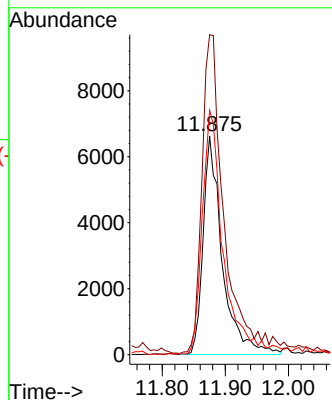
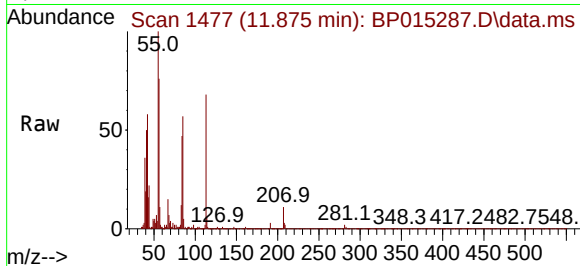




#35
Caprolactam
Concen: 3.633 ng
RT: 11.875 min Scan# 1480
Delta R.T. -0.018 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

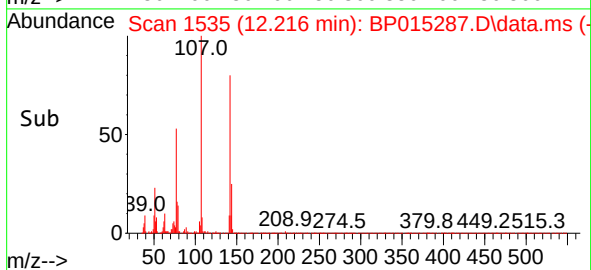
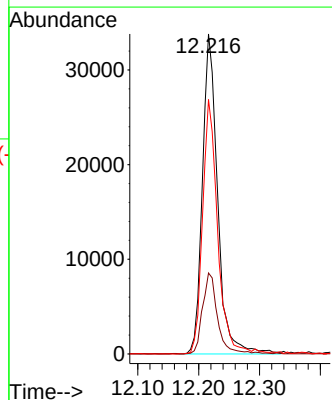
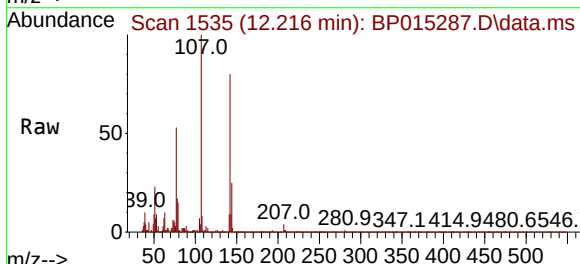
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

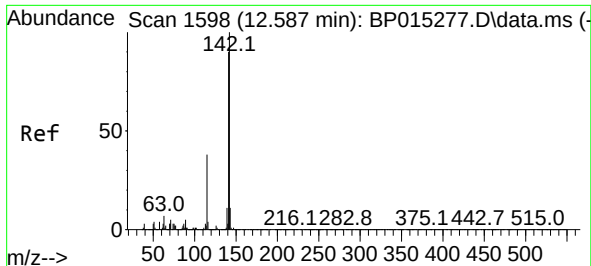
Tgt Ion	Ratio	Lower	Upper
113	100		
55	146.4	141.4	181.4
56	111.8	102.5	142.5



#36
4-Chloro-3-methylphenol
Concen: 4.318 ng
RT: 12.216 min Scan# 1535
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.3	19.8	29.6
142	79.5	61.0	91.4

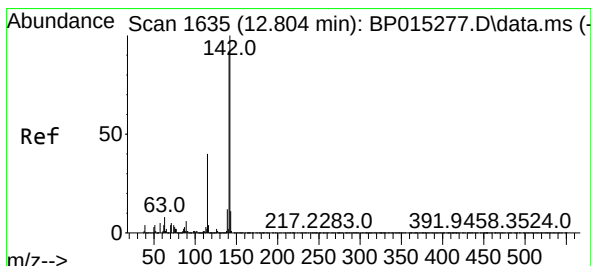
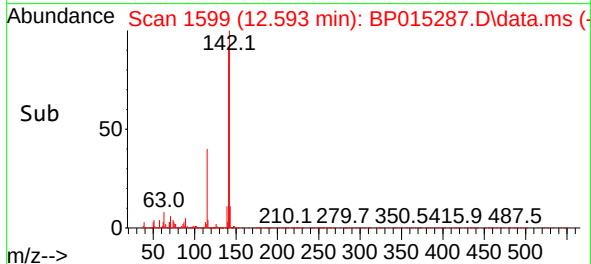
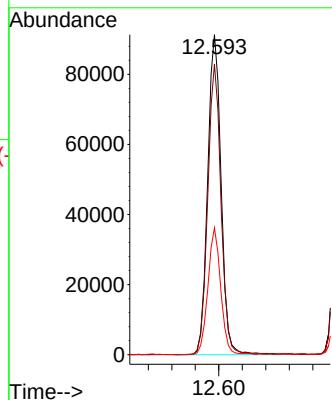
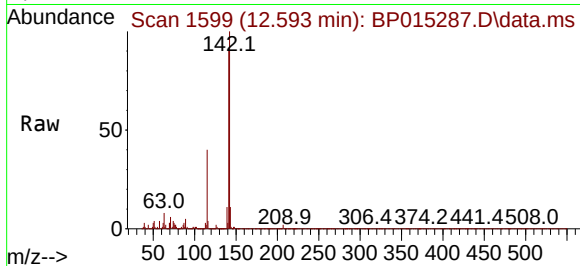




#37
2-Methylnaphthalene
Concen: 4.811 ng
RT: 12.593 min Scan# 1599
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

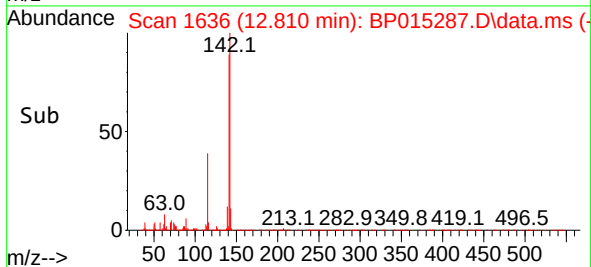
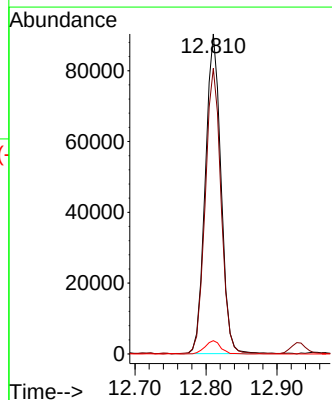
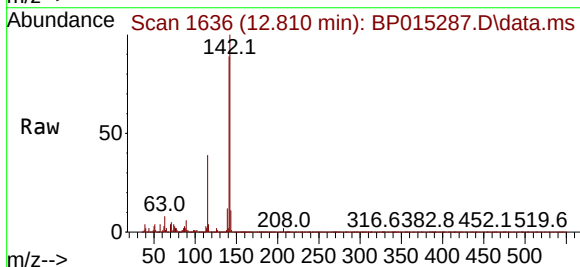
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

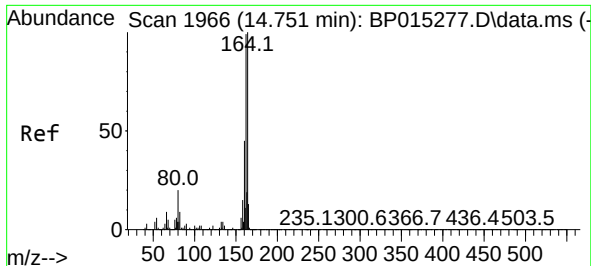
Tgt Ion:142 Resp: 144649
Ion Ratio Lower Upper
142 100
141 90.8 72.0 108.0
115 39.6 30.6 46.0



#38
1-Methylnaphthalene
Concen: 4.915 ng
RT: 12.810 min Scan# 1636
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:142 Resp: 137885
Ion Ratio Lower Upper
142 100
141 89.2 73.8 110.6
116 4.1 3.4 5.0

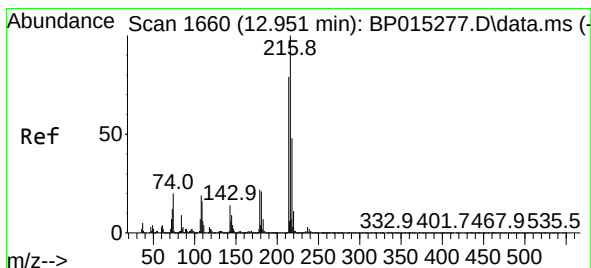
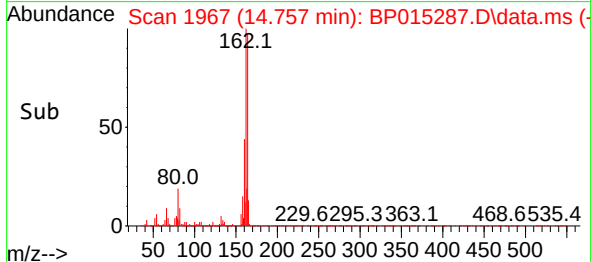
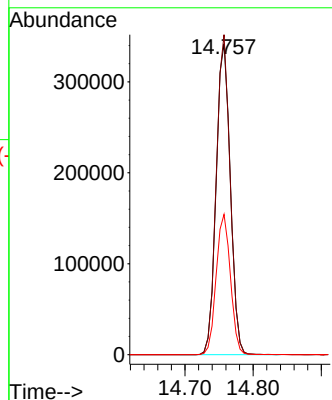
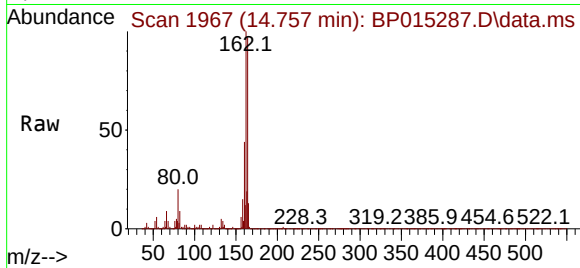




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.757 min Scan# 1967
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

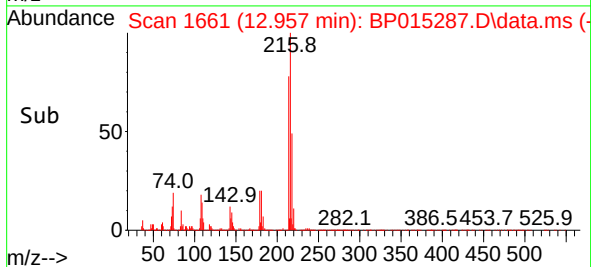
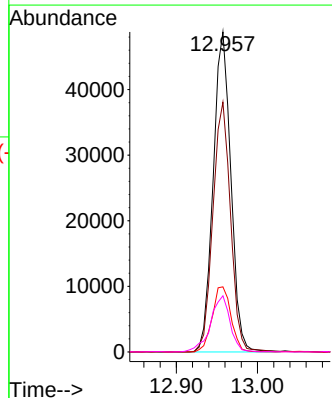
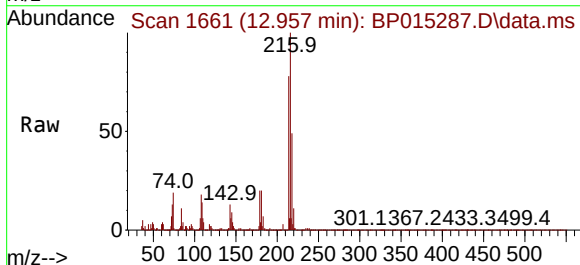
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

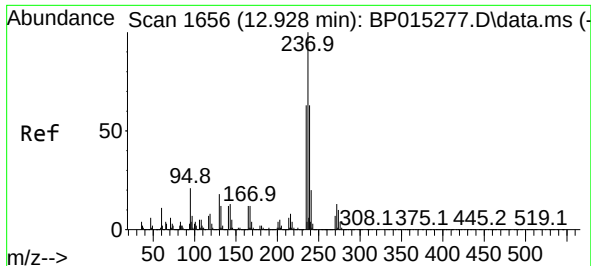
Tgt Ion:164 Resp: 494855
Ion Ratio Lower Upper
164 100
162 102.9 79.4 119.2
160 45.1 35.6 53.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.544 ng
RT: 12.957 min Scan# 1661
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:216 Resp: 73788
Ion Ratio Lower Upper
216 100
214 78.0 63.0 94.4
179 21.7 17.3 25.9
108 19.4 16.2 24.2

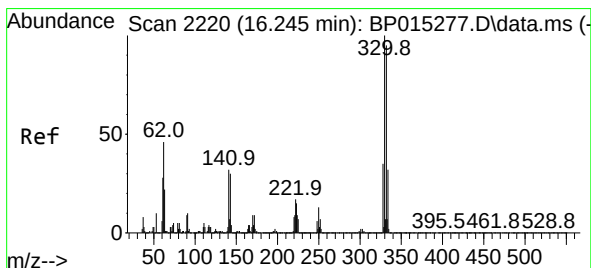
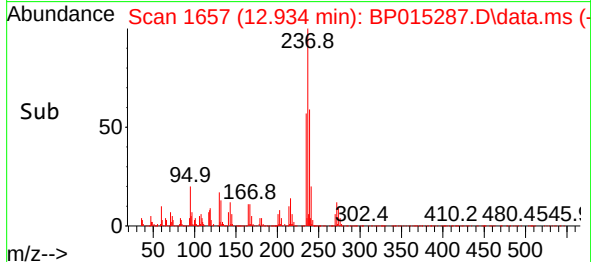
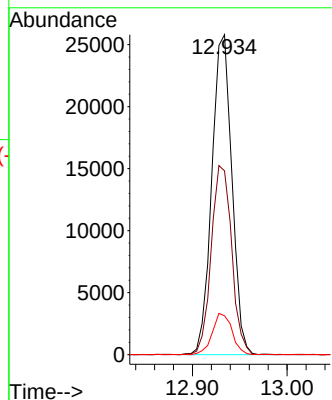
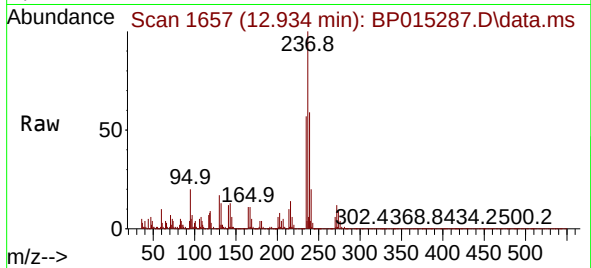




#41
Hexachlorocyclopentadiene
Concen: 4.405 ng
RT: 12.934 min Scan# 1657
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

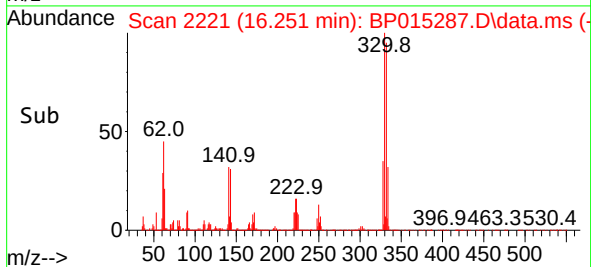
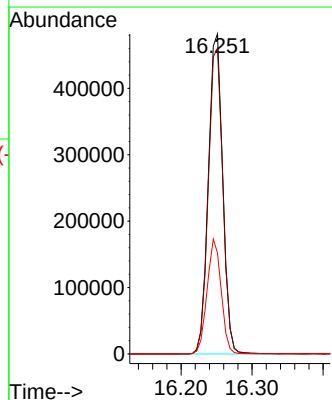
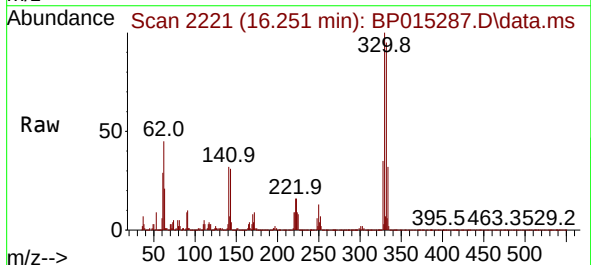
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

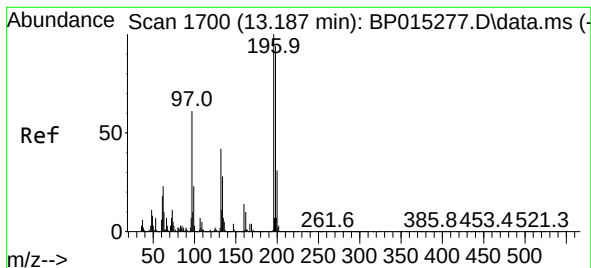
Tgt Ion:237 Resp: 37883
Ion Ratio Lower Upper
237 100
235 57.5 43.2 83.2
272 12.2 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 101.131 ng
RT: 16.251 min Scan# 2221
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:330 Resp: 680082
Ion Ratio Lower Upper
330 100
332 96.4 76.3 114.5
141 35.2 27.8 41.8





#43

2,4,6-Trichlorophenol

Concen: 4.314 ng

RT: 13.193 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

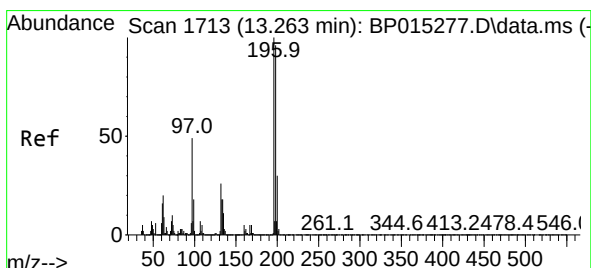
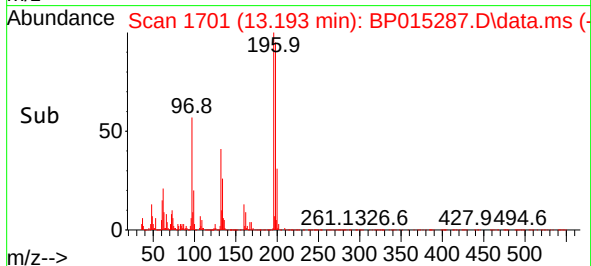
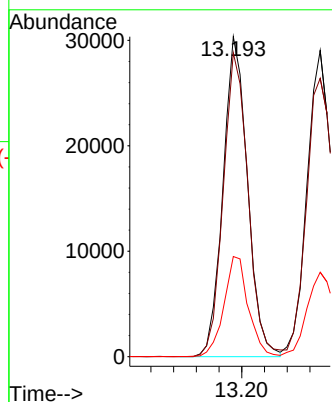
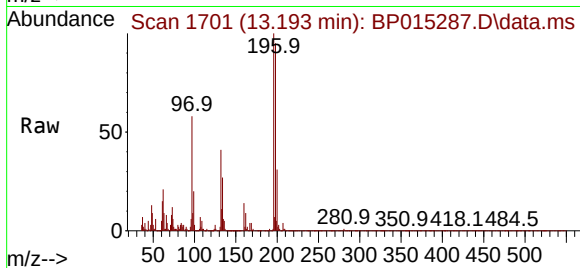
Tgt Ion:196 Resp: 45467

Ion Ratio Lower Upper

196 100

198 95.0 75.0 112.4

200 31.3 24.4 36.6



#44

2,4,5-Trichlorophenol

Concen: 3.979 ng

RT: 13.269 min Scan# 1714

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Tgt Ion:196 Resp: 49298

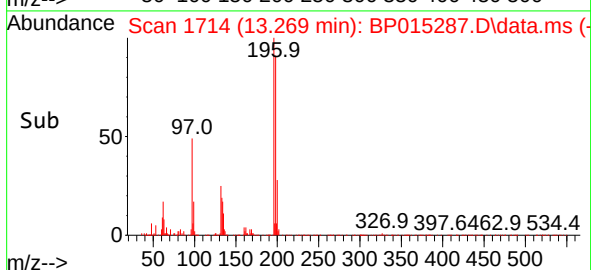
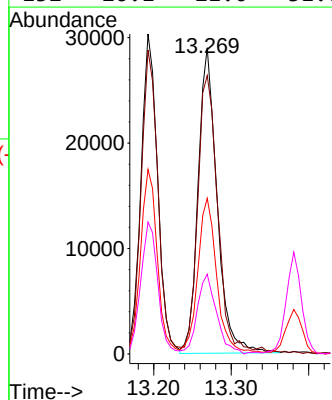
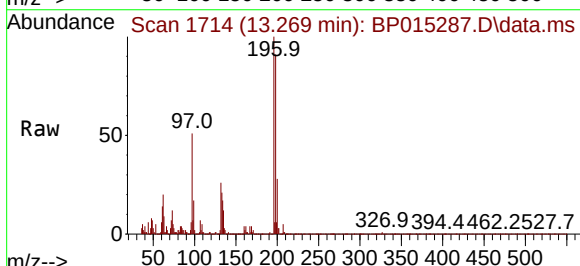
Ion Ratio Lower Upper

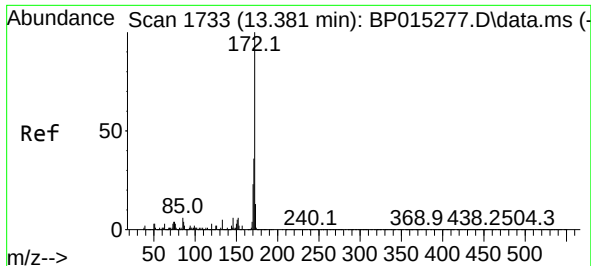
196 100

198 90.9 76.8 115.2

97 50.8 39.3 58.9

132 26.1 21.0 31.6

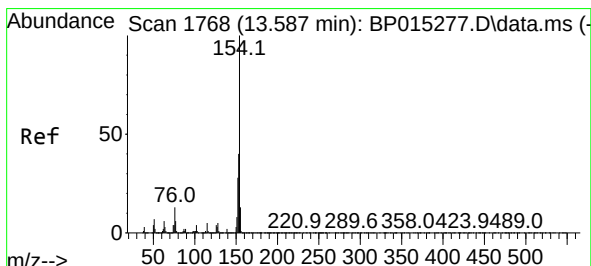
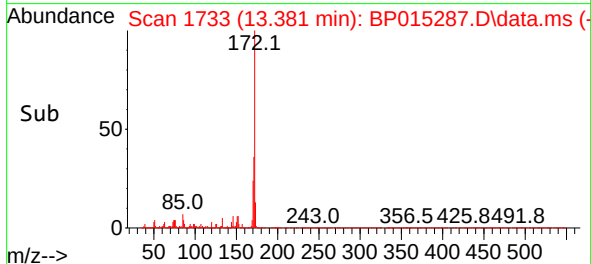
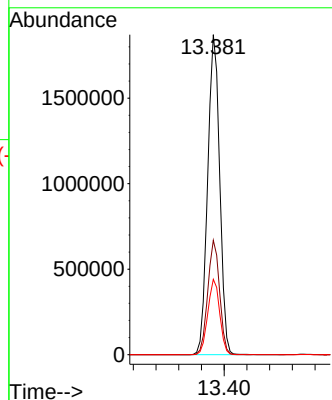
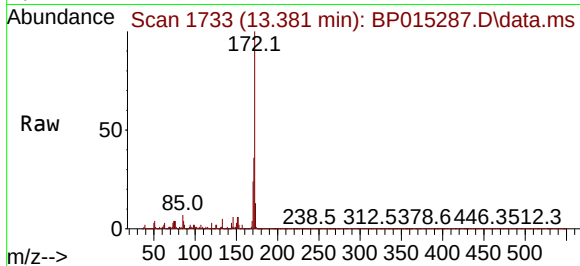




#45
2-Fluorobiphenyl
Concen: 74.023 ng
RT: 13.381 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

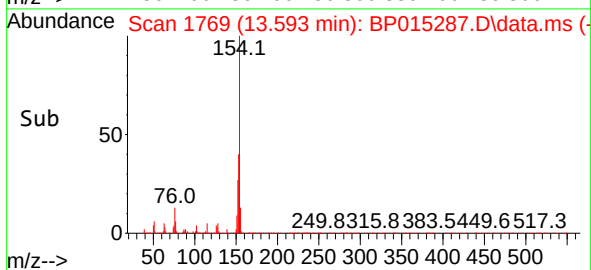
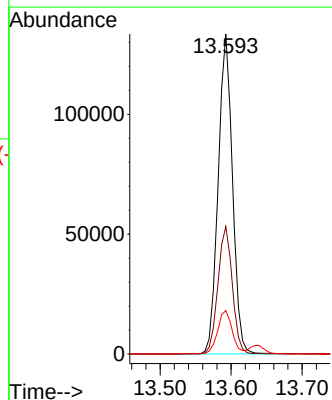
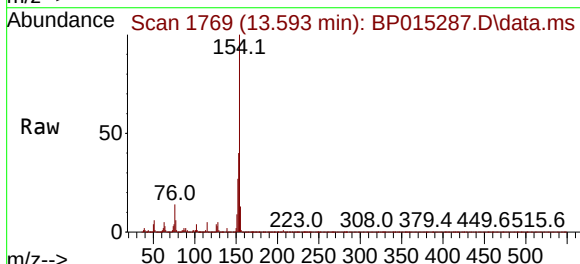
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

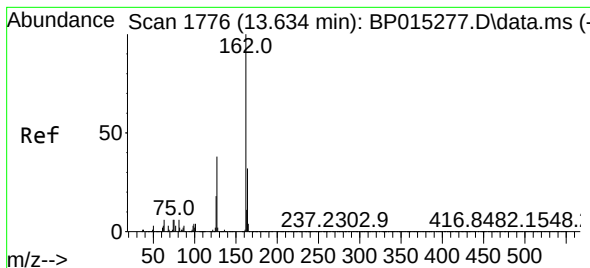
Tgt Ion:172 Resp: 2728441
Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 23.5 18.7 28.1



#46
1,1'-Biphenyl
Concen: 4.737 ng
RT: 13.593 min Scan# 1769
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:154 Resp: 185748
Ion Ratio Lower Upper
154 100
153 39.8 20.3 60.3
76 13.5 0.0 33.1





#47

2-Chloronaphthalene

Concen: 4.906 ng

RT: 13.640 min Scan# 11

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

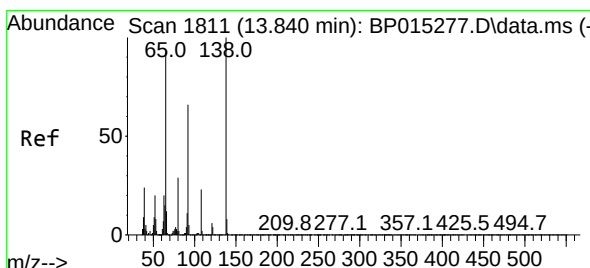
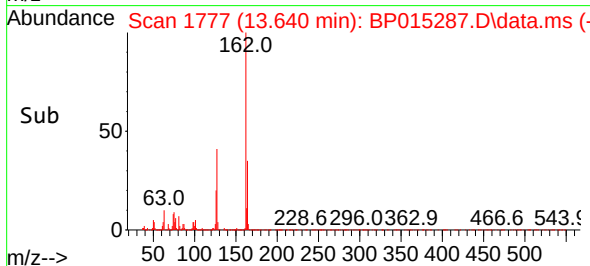
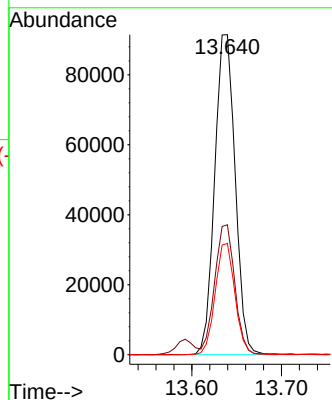
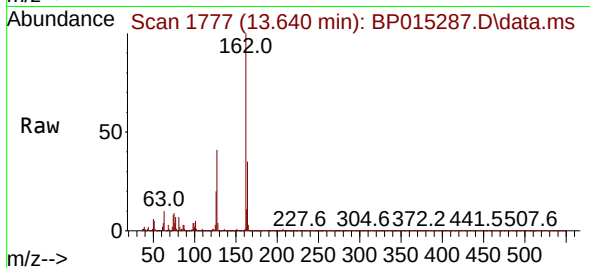
Tgt Ion:162 Resp: 145122

Ion Ratio Lower Upper

162 100

127 40.6 31.7 47.5

164 34.7 25.8 38.8



#48

2-Nitroaniline

Concen: 3.723 ng

RT: 13.846 min Scan# 1812

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

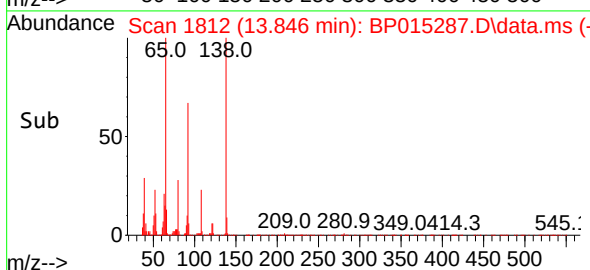
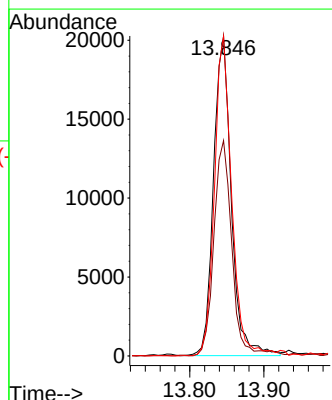
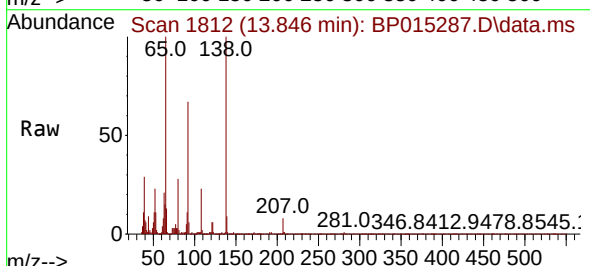
Tgt Ion: 65 Resp: 33636

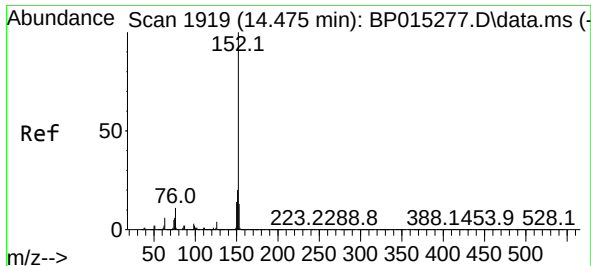
Ion Ratio Lower Upper

65 100

92 67.3 56.5 84.7

138 100.1 85.7 128.5

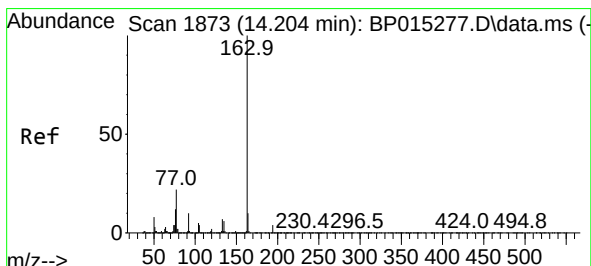
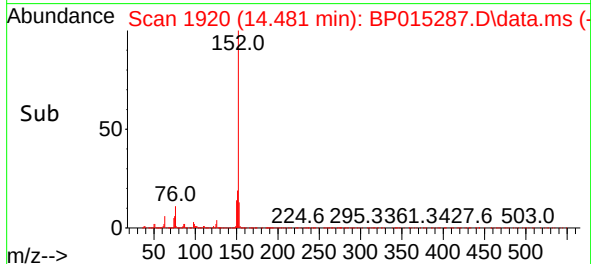
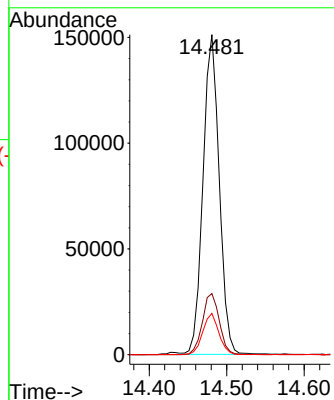
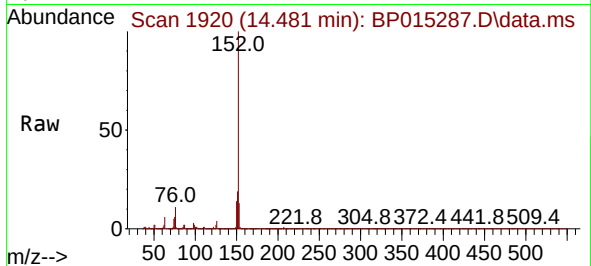




#49
Acenaphthylene
Concen: 4.649 ng
RT: 14.481 min Scan# 1919
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

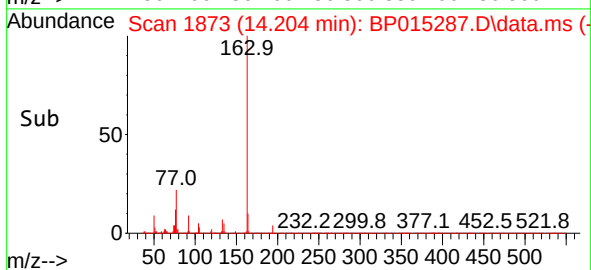
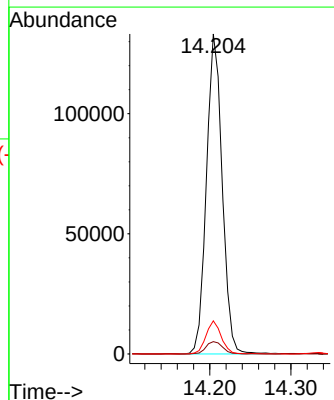
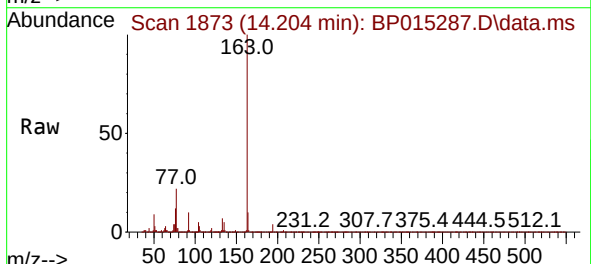
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

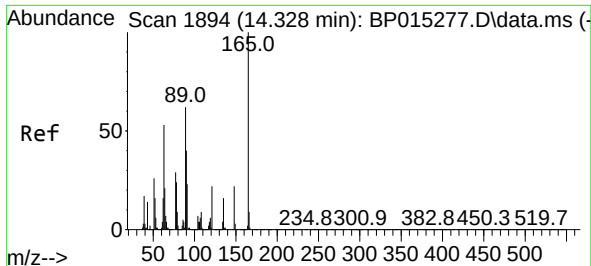
Tgt Ion:152 Resp: 220040
Ion Ratio Lower Upper
152 100
151 19.1 16.0 24.0
153 12.9 10.6 16.0



#50
Dimethylphthalate
Concen: 4.623 ng
RT: 14.204 min Scan# 1873
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:163 Resp: 178978
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 10.3 8.2 12.4

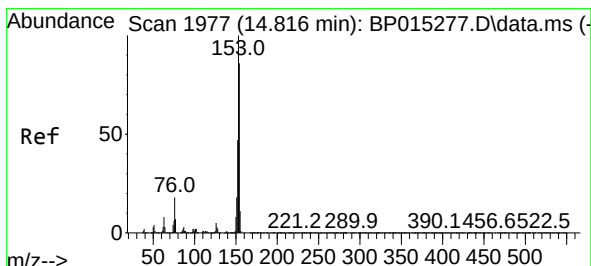
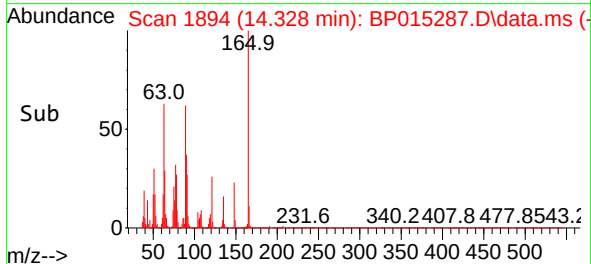
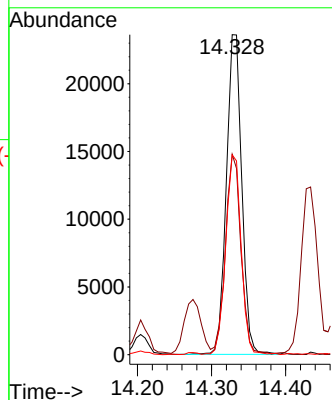
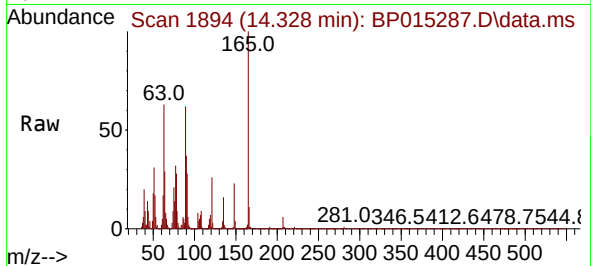




#51
2,6-Dinitrotoluene
Concen: 4.166 ng
RT: 14.328 min Scan# 1894
Delta R.T. -0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

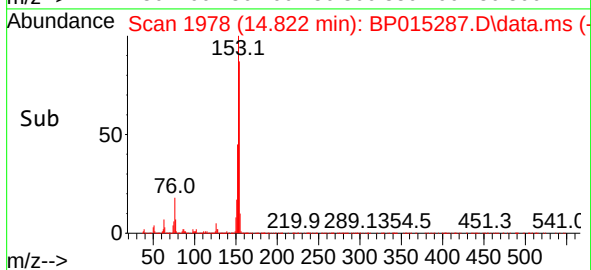
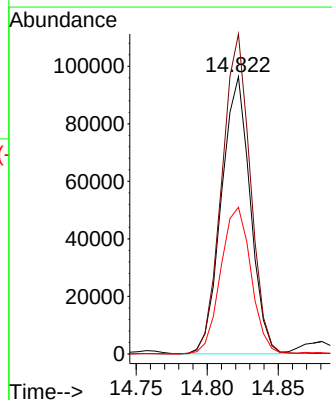
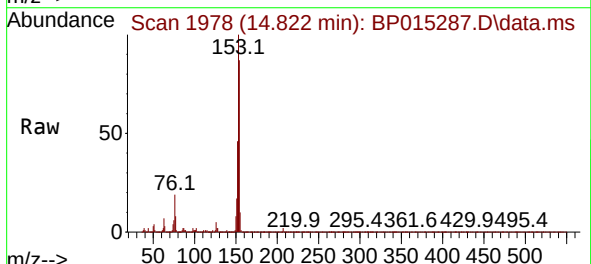
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

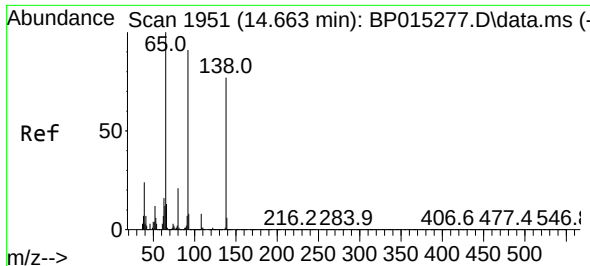
Tgt Ion:165 Resp: 34055
Ion Ratio Lower Upper
165 100
63 62.6 46.6 70.0
89 62.4 49.7 74.5



#52
Acenaphthene
Concen: 4.823 ng
RT: 14.822 min Scan# 1978
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:154 Resp: 135955
Ion Ratio Lower Upper
154 100
153 115.4 92.8 139.2
152 52.9 44.0 66.0

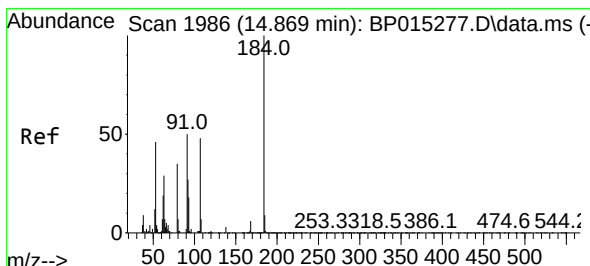
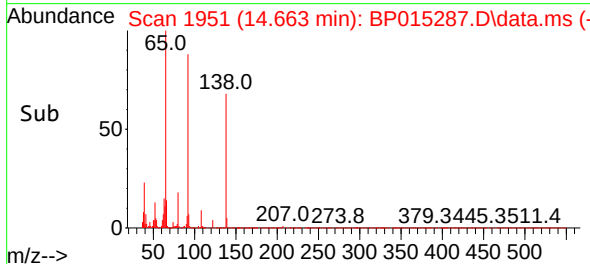
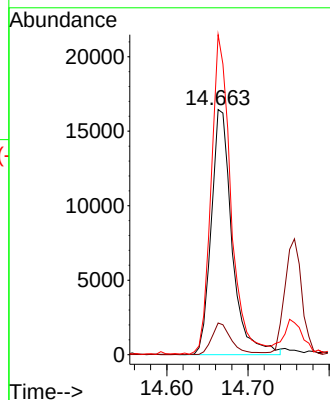
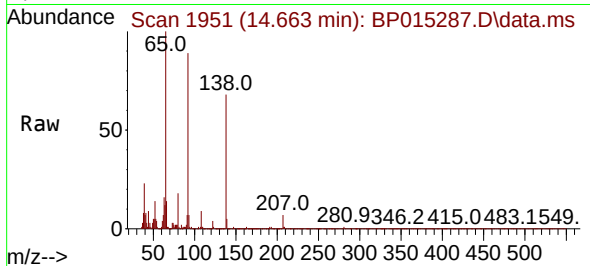




#53
3-Nitroaniline
Concen: 3.508 ng
RT: 14.663 min Scan# 1951
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

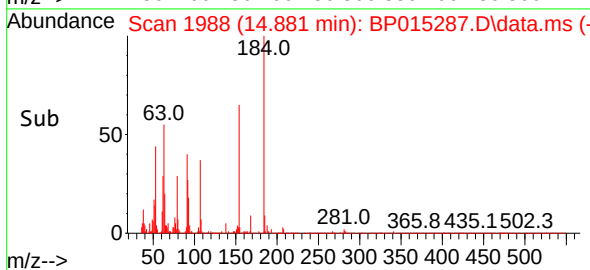
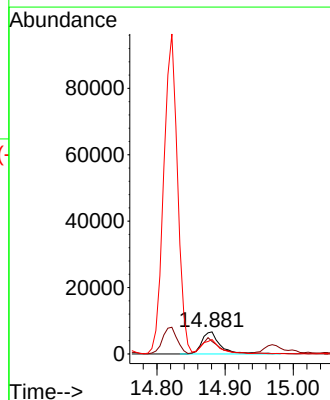
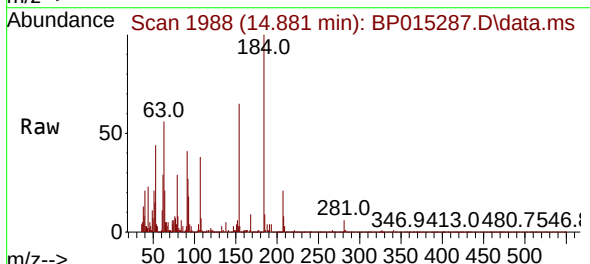
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

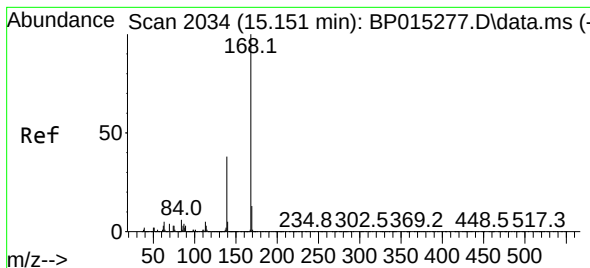
Tgt Ion:138 Resp: 29309
Ion Ratio Lower Upper
138 100
108 12.9 8.6 13.0
92 130.5 94.0 141.0



#54
2,4-Dinitrophenol
Concen: 7.330 ng
RT: 14.881 min Scan# 1988
Delta R.T. 0.012 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:184 Resp: 12604
Ion Ratio Lower Upper
184 100
63 56.3 56.2 84.4
154 64.9 53.2 79.8

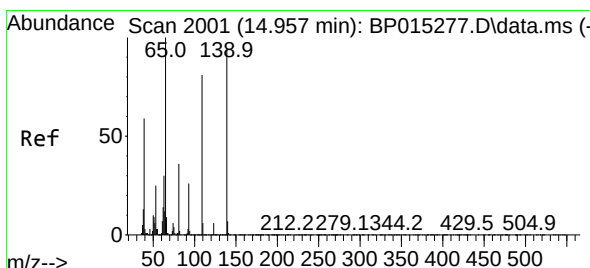
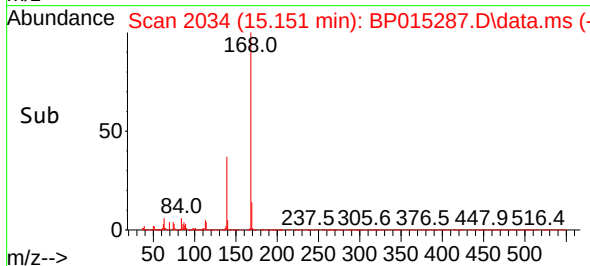
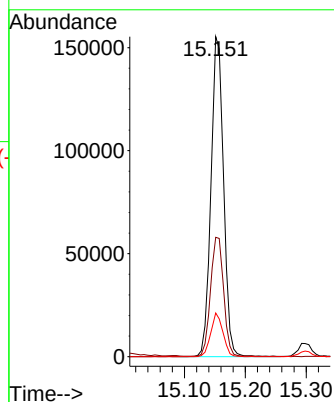
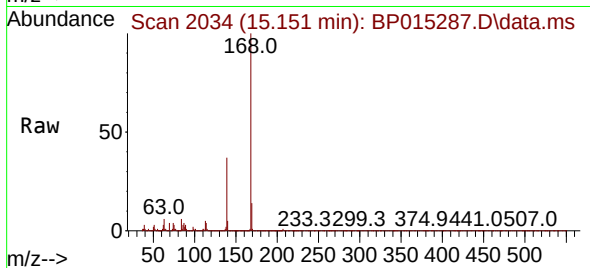




#55
Dibenzofuran
Concen: 4.845 ng
RT: 15.151 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

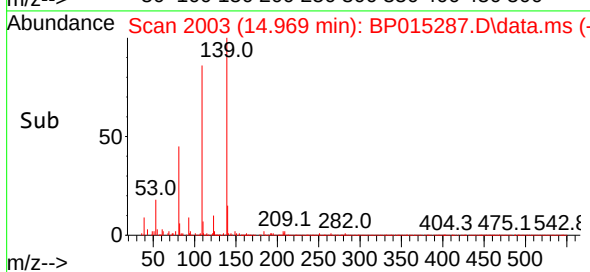
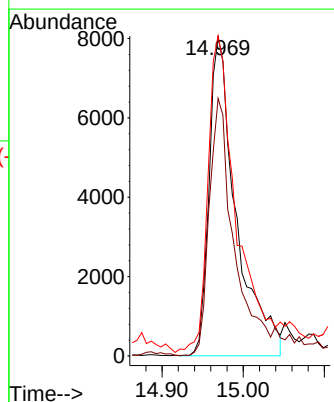
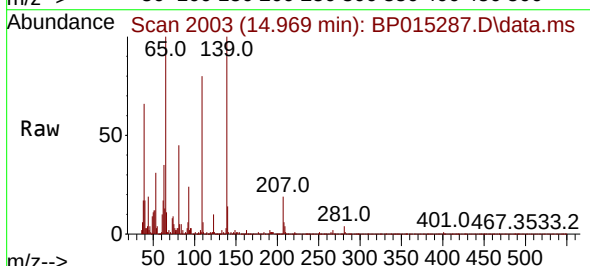
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

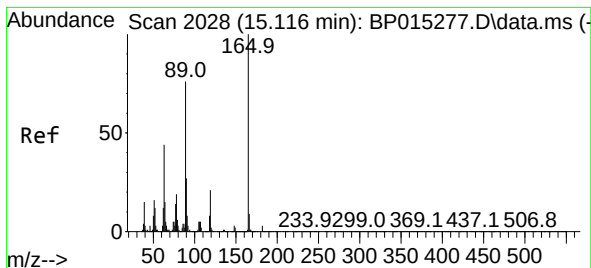
Tgt Ion:168 Resp: 223430
Ion Ratio Lower Upper
168 100
139 37.3 30.1 45.1
169 13.7 10.6 15.8



#56
4-Nitrophenol
Concen: 5.862 ng
RT: 14.969 min Scan# 2003
Delta R.T. 0.012 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:139 Resp: 18654
Ion Ratio Lower Upper
139 100
109 80.8 66.5 106.5
65 100.4 86.6 126.6





#57

2,4-Dinitrotoluene

Concen: 3.747 ng

RT: 15.122 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

Tgt Ion:165 Resp: 40276

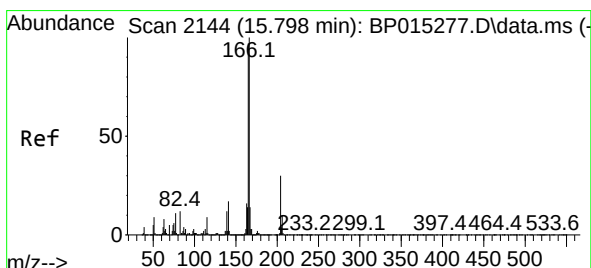
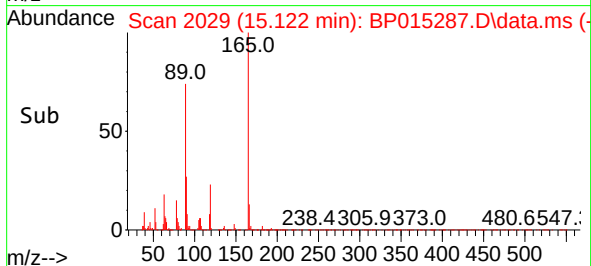
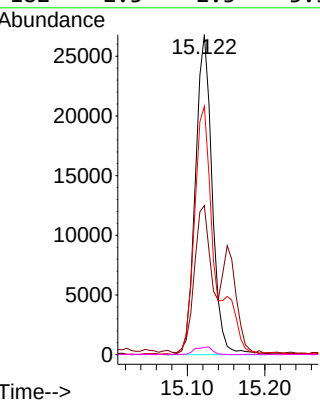
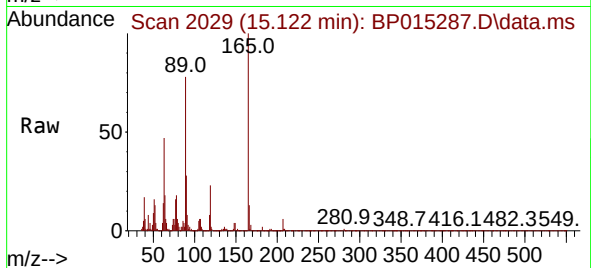
Ion Ratio Lower Upper

165 100

63 46.6 35.7 53.5

89 77.6 60.8 91.2

182 2.3 2.3 3.5#



#58

Fluorene

Concen: 4.934 ng

RT: 15.804 min Scan# 2145

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

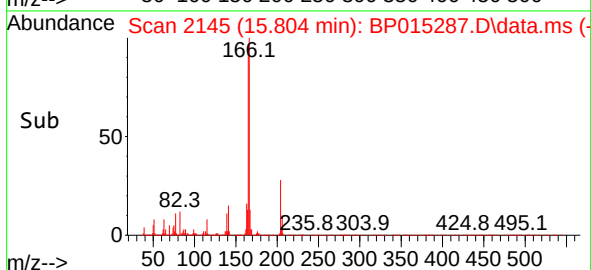
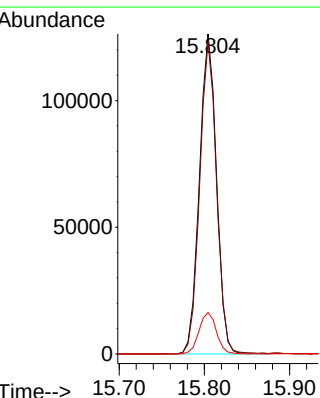
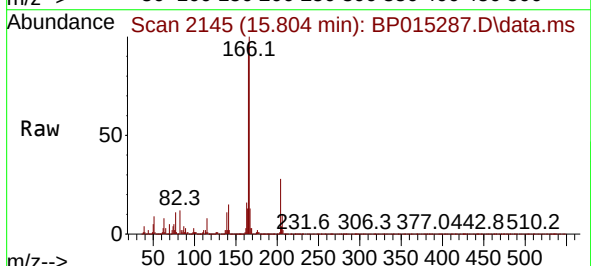
Tgt Ion:166 Resp: 175734

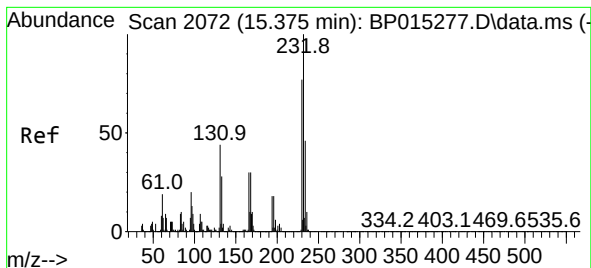
Ion Ratio Lower Upper

166 100

165 97.5 77.5 116.3

167 13.0 10.9 16.3

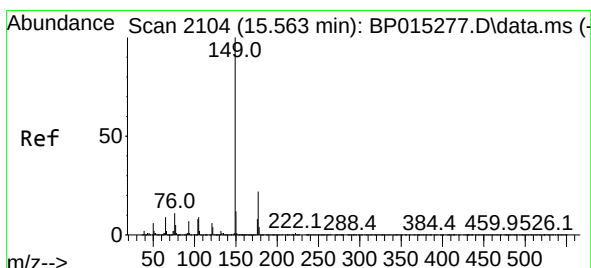
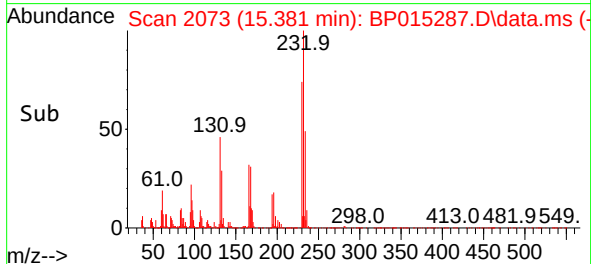
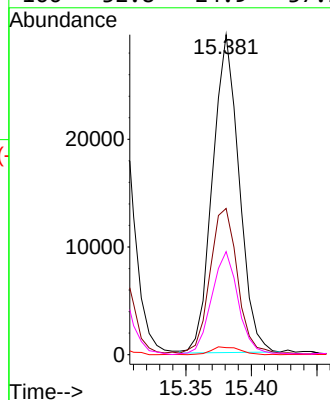
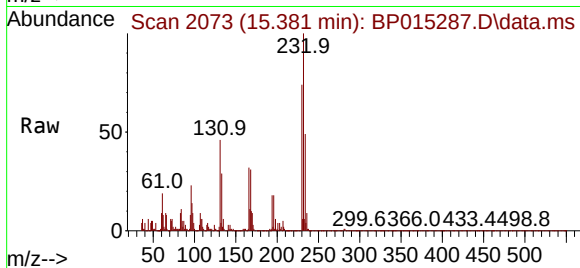




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.192 ng
RT: 15.381 min Scan# 2072
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

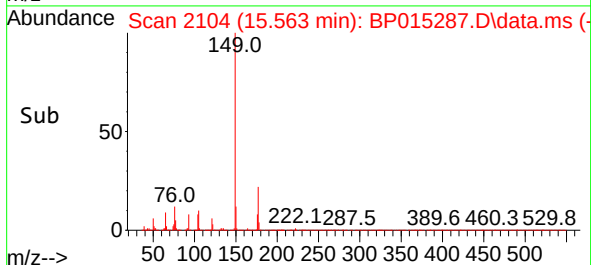
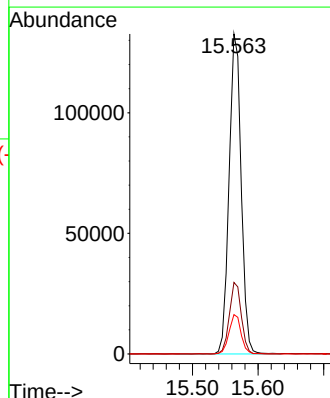
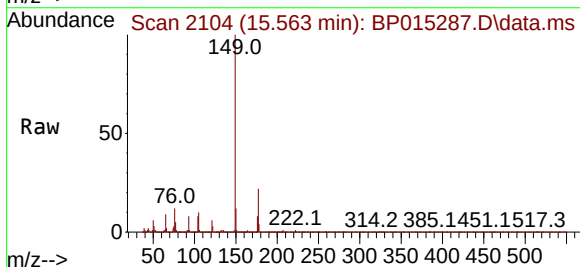
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

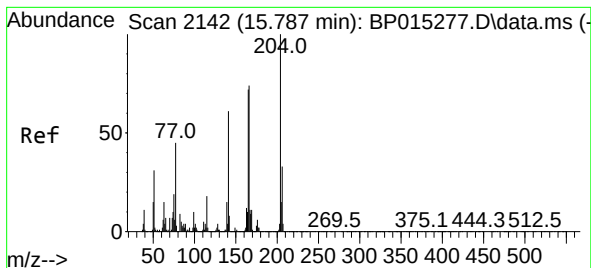
Tgt Ion:232	Resp:	41539
Ion Ratio	Lower	Upper
232	100	
131	48.4	36.2 54.2
130	2.8	2.0 3.0
166	32.8	24.9 37.3



#60
Diethylphthalate
Concen: 4.392 ng
RT: 15.563 min Scan# 2104
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:149	Resp:	169376
Ion Ratio	Lower	Upper
149	100	
177	22.4	17.7 26.5
150	12.3	10.0 15.0

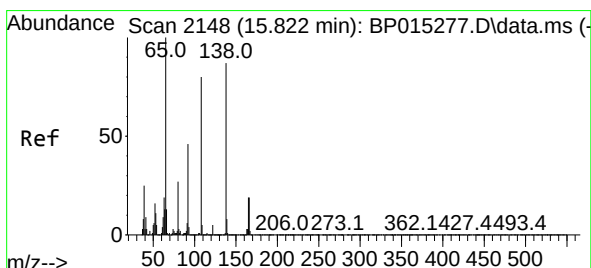
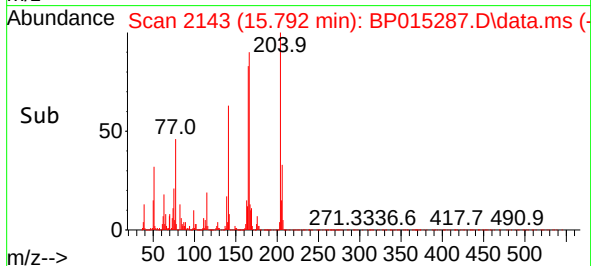
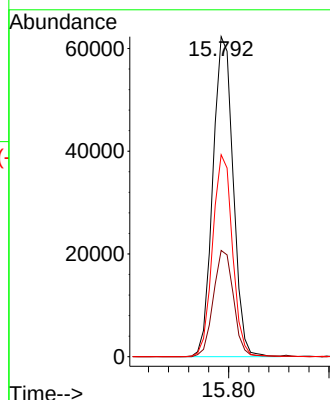
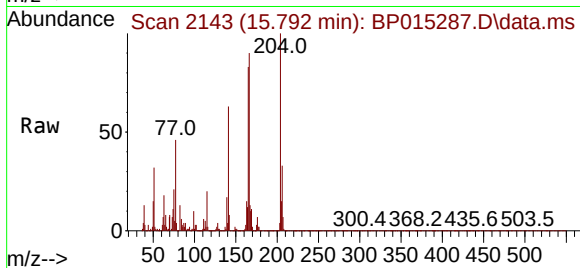




#61
4-Chlorophenyl-phenylether
Concen: 4.797 ng
RT: 15.792 min Scan# 2143
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

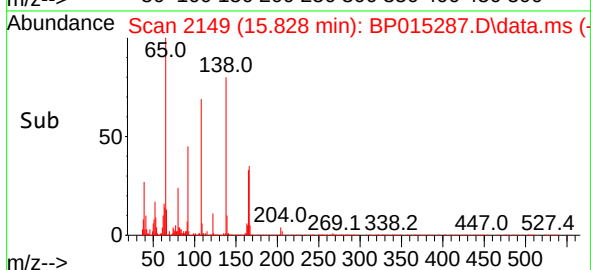
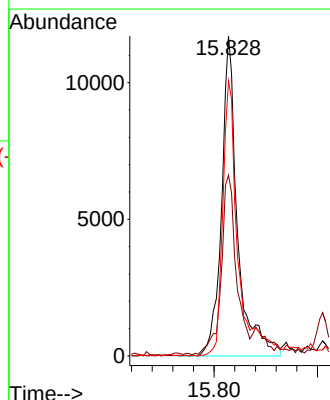
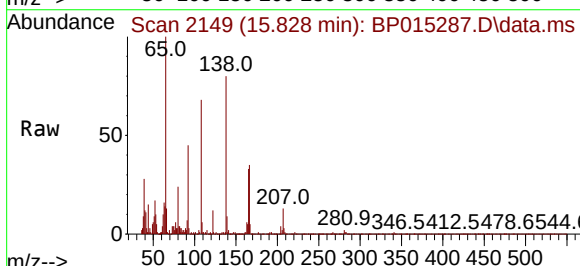
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

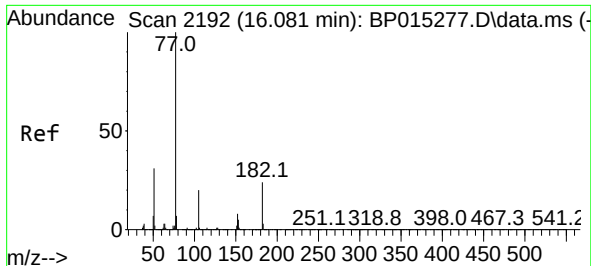
Tgt Ion:204 Resp: 87467
Ion Ratio Lower Upper
204 100
206 33.2 26.4 39.6
141 63.1 49.0 73.4



#62
4-Nitroaniline
Concen: 4.986 ng
RT: 15.828 min Scan# 2149
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:138 Resp: 25292
Ion Ratio Lower Upper
138 100
92 56.6 33.1 73.1
108 85.9 71.0 111.0

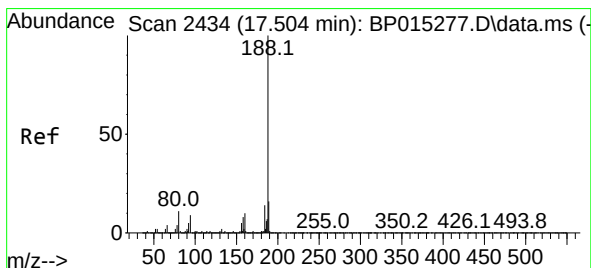
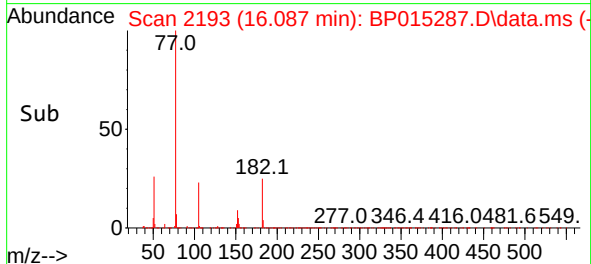
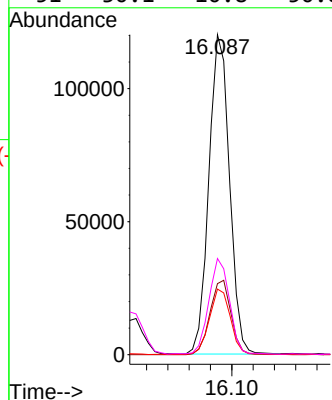
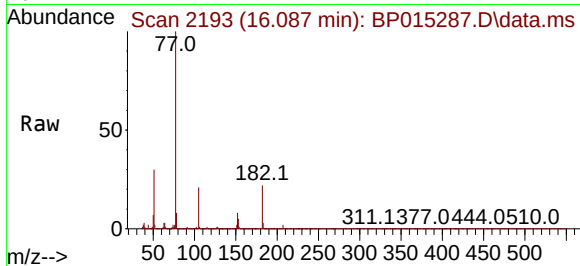




#63
Azobenzene
Concen: 4.393 ng
RT: 16.087 min Scan# 2192
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

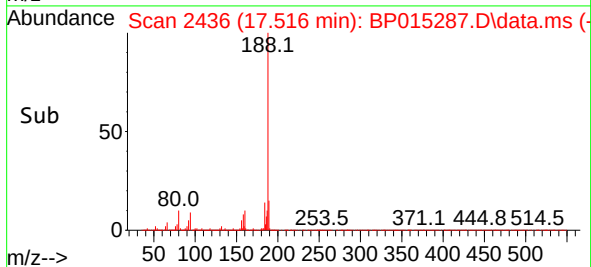
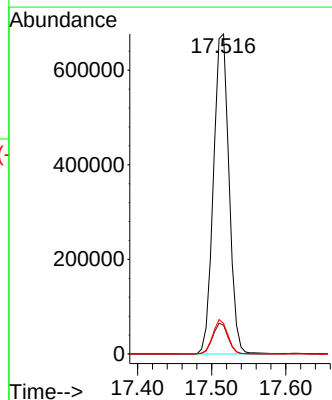
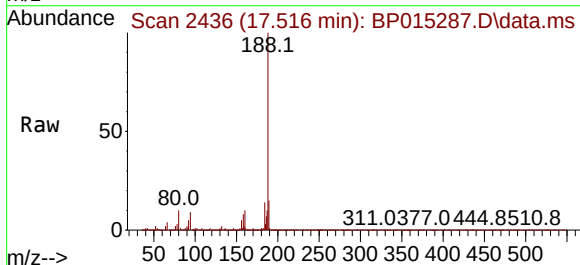
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

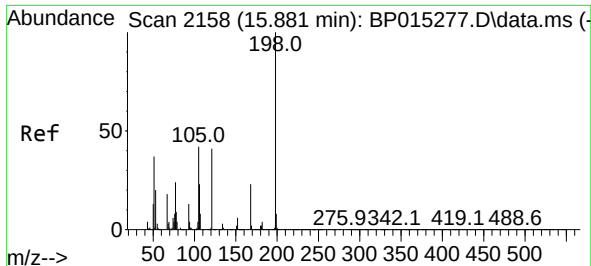
Tgt Ion: 77	Resp: 161638
Ion Ratio	Lower Upper
77 100	
182 22.2	3.9 43.9
105 20.5	0.3 40.3
51 30.1	10.8 50.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.516 min Scan# 2436
Delta R.T. 0.012 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt	Ion:188	Resp:	987421
Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.4	11.0
80	9.6	8.6	13.0

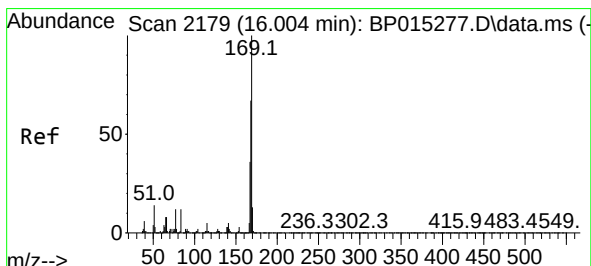
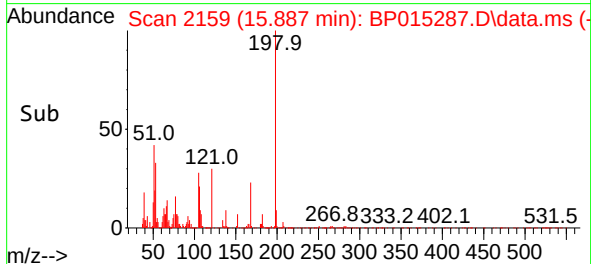
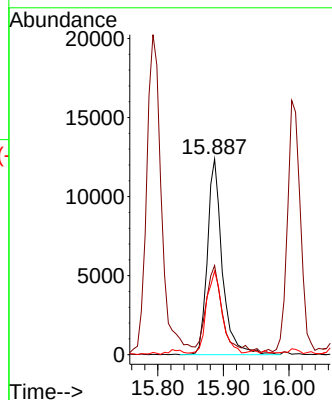
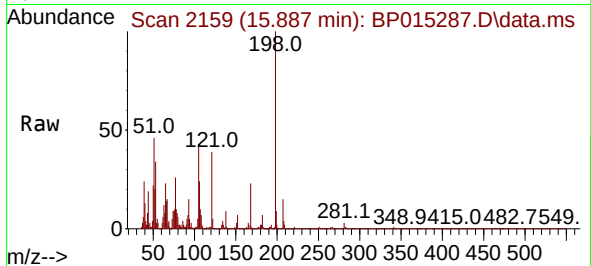




#65
4,6-Dinitro-2-methylphenol
Concen: 3.255 ng
RT: 15.887 min Scan# 2158
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

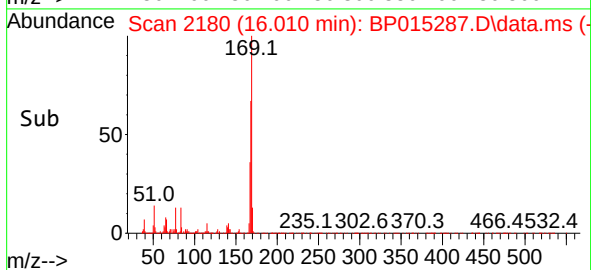
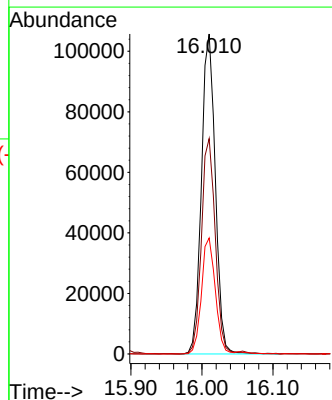
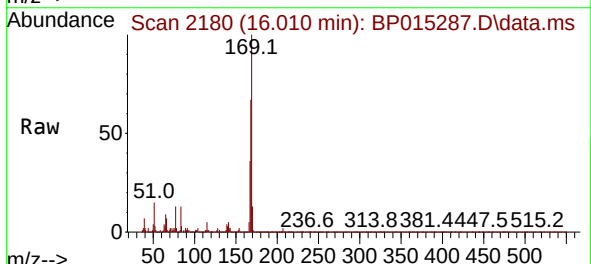
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

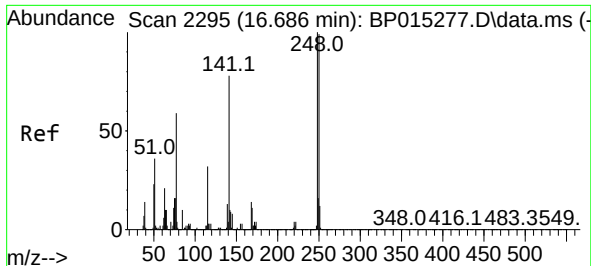
Tgt Ion:198	Resp:	19524
Ion Ratio	Lower	Upper
198	100	
51	45.6	25.4 65.4
105	42.7	23.3 63.3



#66
n-Nitrosodiphenylamine
Concen: 4.888 ng
RT: 16.010 min Scan# 2180
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:169	Resp:	143823
Ion Ratio	Lower	Upper
169	100	
168	67.3	53.4 80.2
167	36.2	29.0 43.6

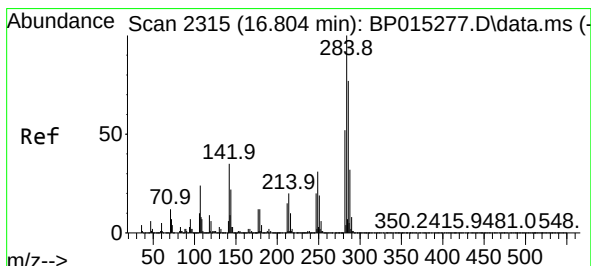
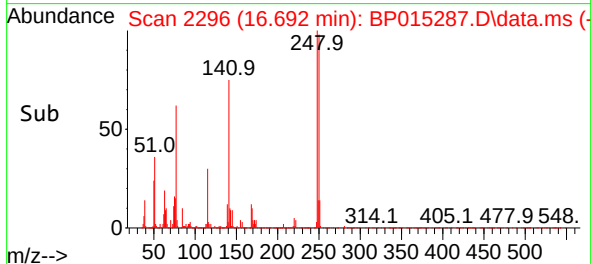
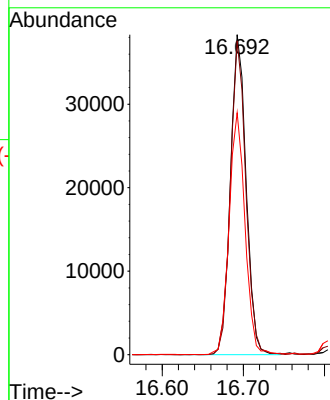
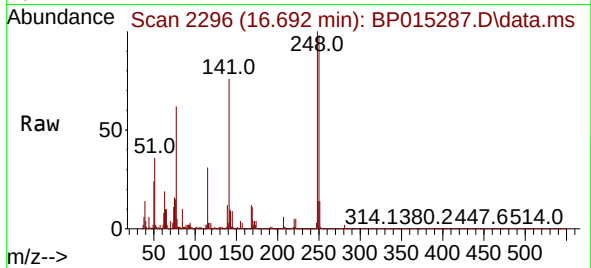




#67
4-Bromophenyl-phenylether
Concen: 4.824 ng
RT: 16.692 min Scan# 2116
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

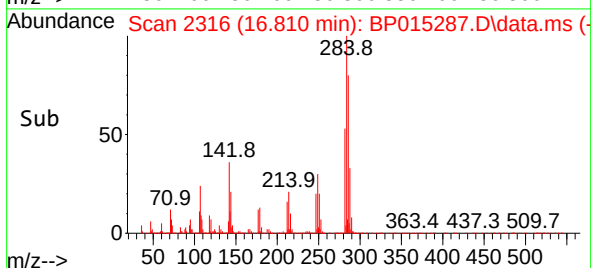
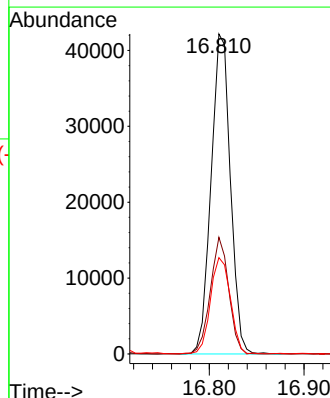
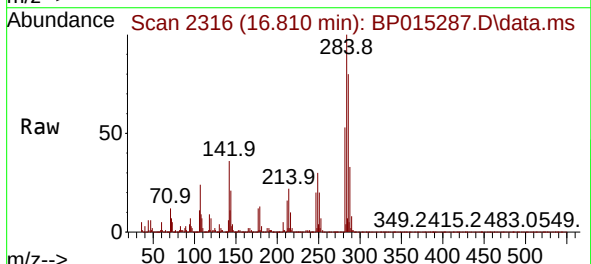
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

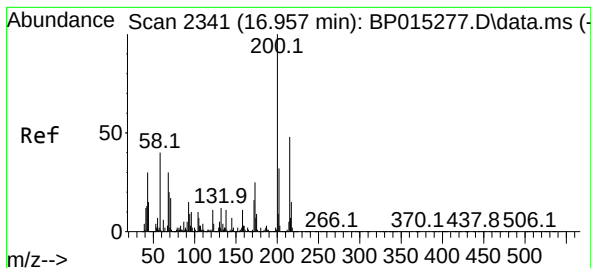
Tgt Ion:	248	Resp:	51508
Ion Ratio	Lower	Upper	
248	100		
250	98.1	79.0	118.4
141	75.6	62.4	93.6



#68
Hexachlorobenzene
Concen: 5.071 ng
RT: 16.810 min Scan# 2316
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:	284	Resp:	59630
Ion Ratio	Lower	Upper	
284	100		
142	36.5	28.2	42.2
249	30.1	25.0	37.6





#69

Atrazine

Concen: 4.476 ng

RT: 16.957 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

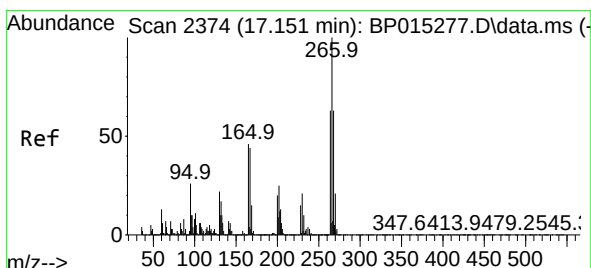
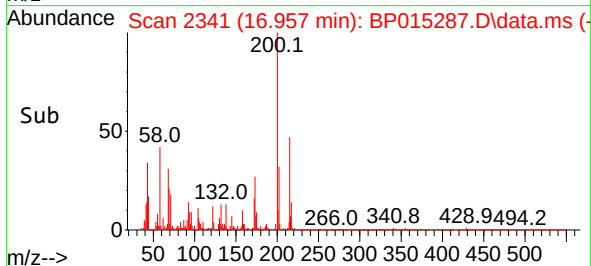
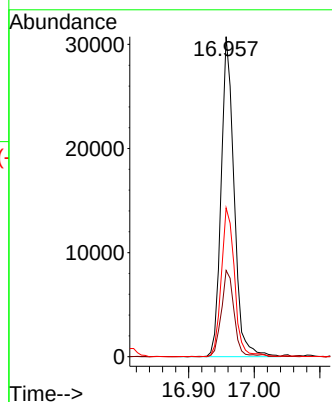
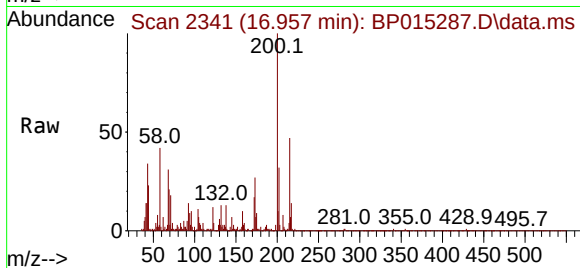
Tgt Ion:200 Resp: 42049

Ion Ratio Lower Upper

200 100

173 26.9 4.7 44.7

215 46.5 27.5 67.5



#70

Pentachlorophenol

Concen: 3.302 ng

RT: 17.163 min Scan# 2376

Delta R.T. 0.012 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

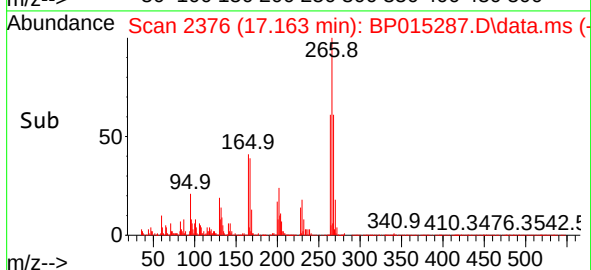
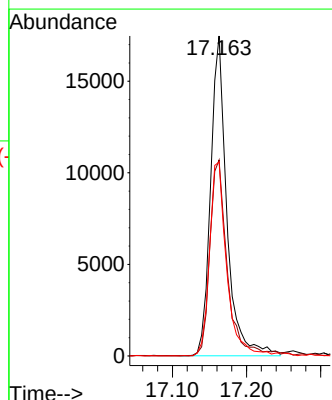
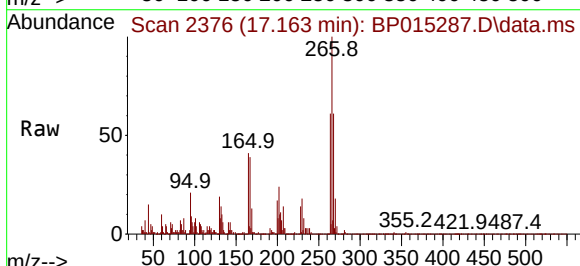
Tgt Ion:266 Resp: 26604

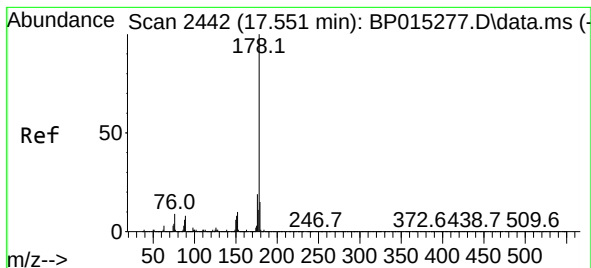
Ion Ratio Lower Upper

266 100

268 61.3 50.0 75.0

264 60.6 50.4 75.6





#71

Phenanthrene

Concen: 4.955 ng

RT: 17.557 min Scan# 2442

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

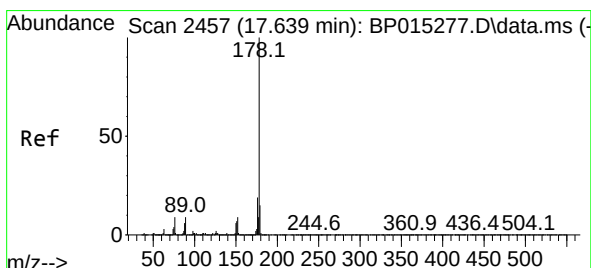
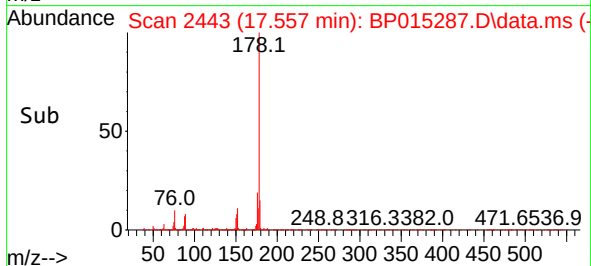
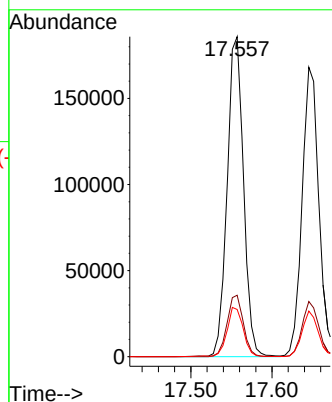
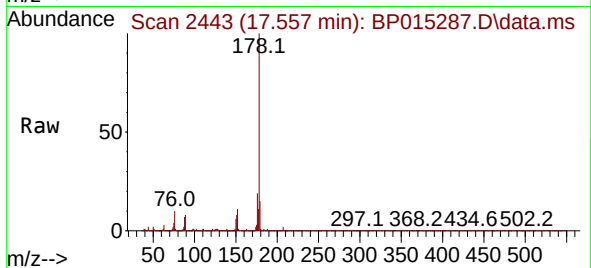
Tgt Ion:178 Resp: 260784

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 14.7 12.3 18.5



#72

Anthracene

Concen: 4.702 ng

RT: 17.645 min Scan# 2458

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

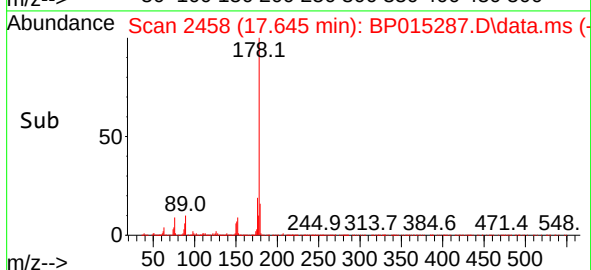
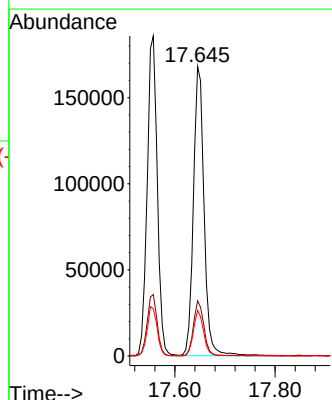
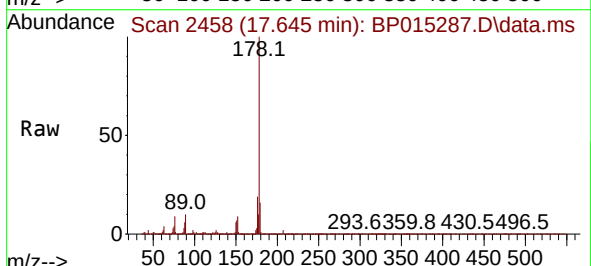
Tgt Ion:178 Resp: 247835

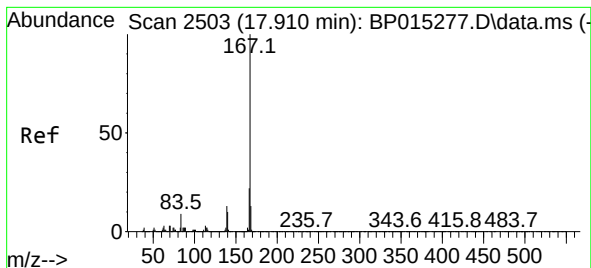
Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

179 15.7 12.2 18.4





#73

Carbazole

Concen: 4.320 ng

RT: 17.916 min Scan# 2503

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

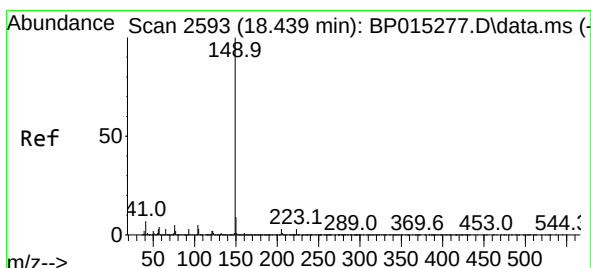
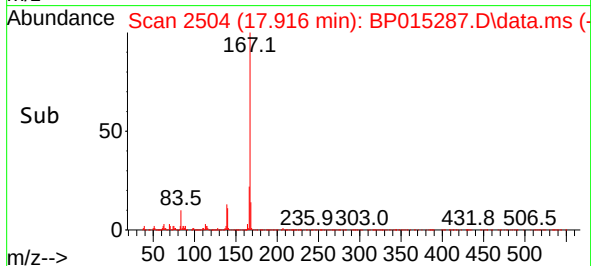
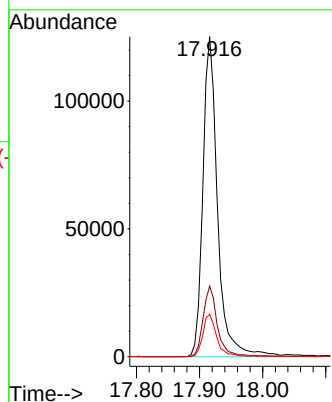
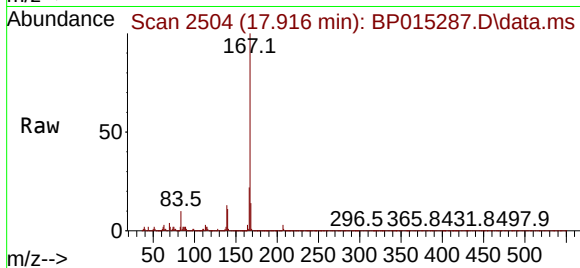
Tgt Ion:167 Resp: 201614

Ion Ratio Lower Upper

167 100

166 22.1 17.4 26.0

139 13.3 10.2 15.2



#74

Di-n-butylphthalate

Concen: 3.888 ng

RT: 18.445 min Scan# 2594

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

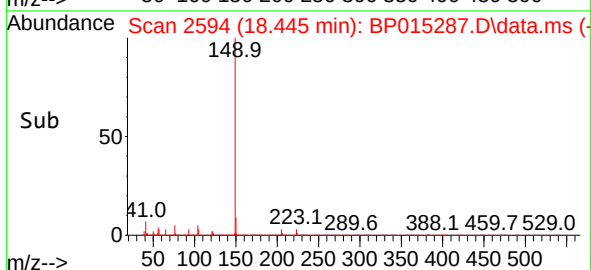
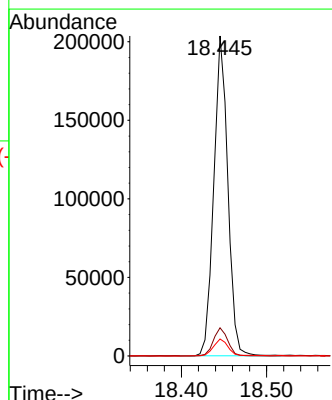
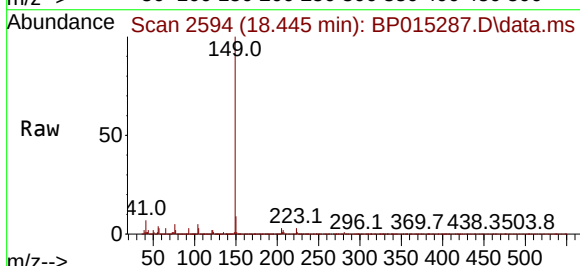
Tgt Ion:149 Resp: 233030

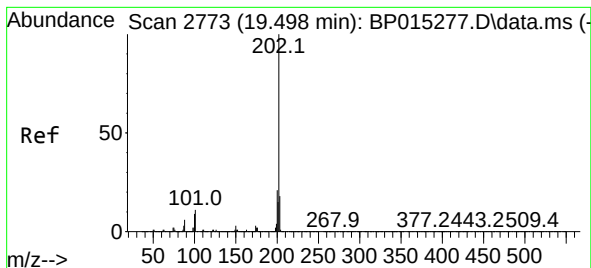
Ion Ratio Lower Upper

149 100

150 8.8 7.3 10.9

104 5.3 4.4 6.6





#75

Fluoranthene

Concen: 4.196 ng

RT: 19.510 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

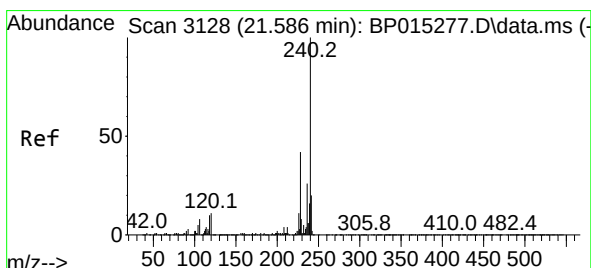
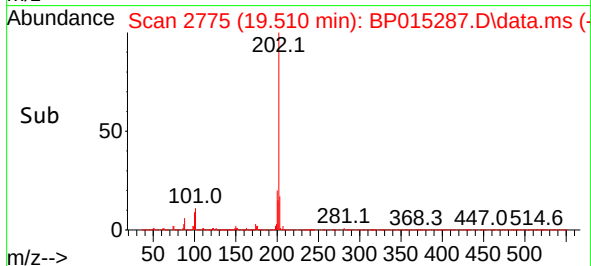
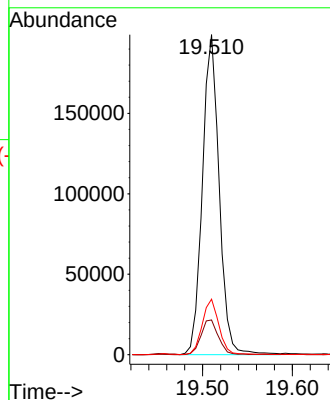
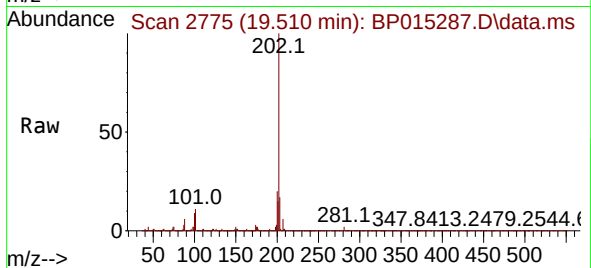
Tgt Ion:202 Resp: 257949

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.4

203 17.4 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.592 min Scan# 3129

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

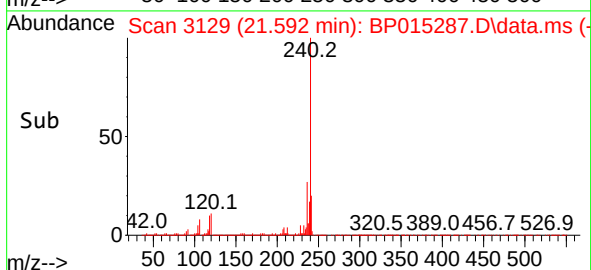
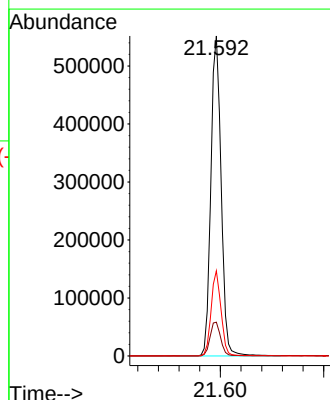
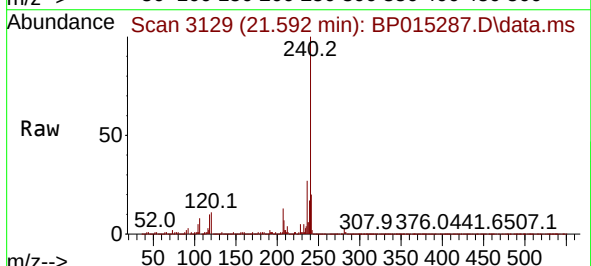
Tgt Ion:240 Resp: 761158

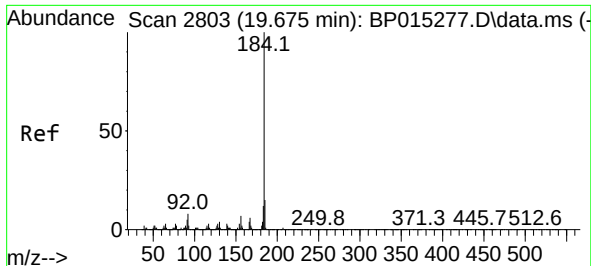
Ion Ratio Lower Upper

240 100

120 10.6 8.8 13.2

236 26.6 20.5 30.7

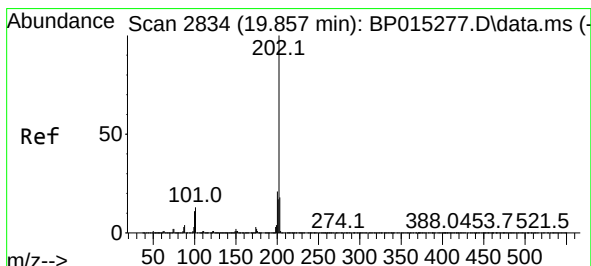
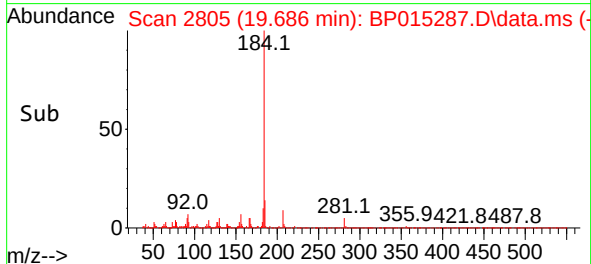
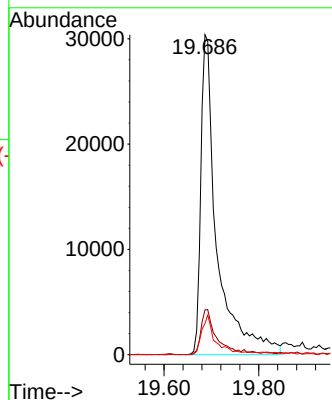
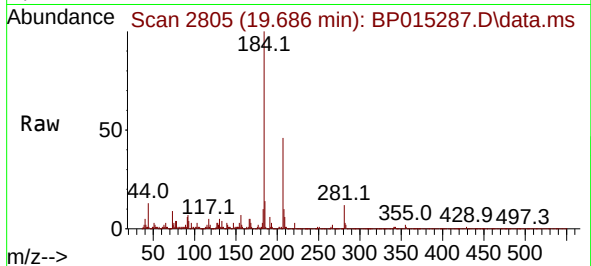




#77
Benzidine
Concen: 5.967 ng
RT: 19.686 min Scan# 2805
Delta R.T. 0.012 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

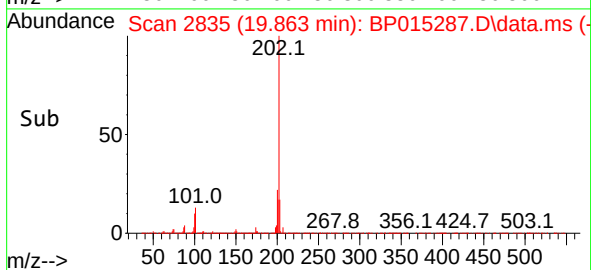
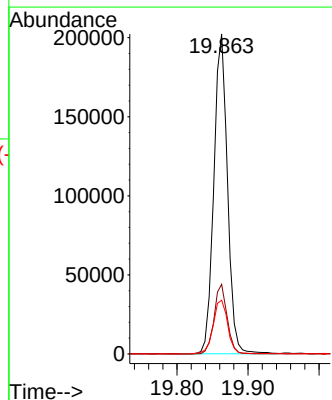
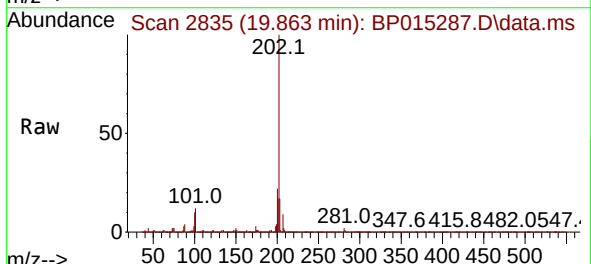
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

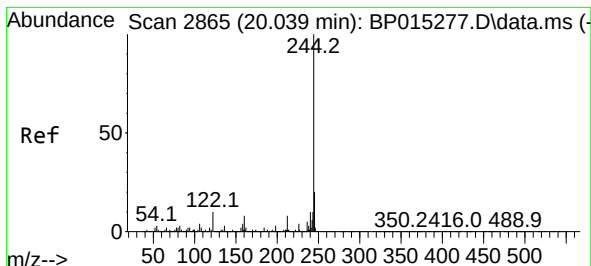
Tgt Ion:184 Resp: 71916
Ion Ratio Lower Upper
184 100
185 14.0 11.6 17.4
183 9.8 9.4 14.0



#78
Pyrene
Concen: 4.955 ng
RT: 19.863 min Scan# 2835
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:202 Resp: 269853
Ion Ratio Lower Upper
202 100
200 21.8 17.1 25.7
203 16.8 14.2 21.2





#79

Terphenyl-d14

Concen: 78.560 ng

RT: 20.051 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

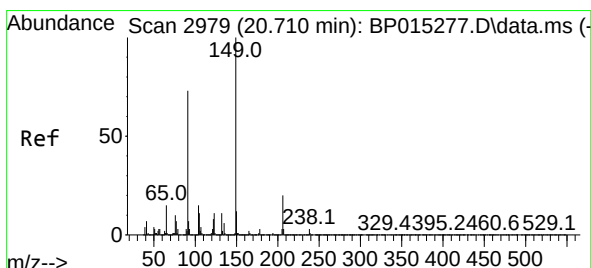
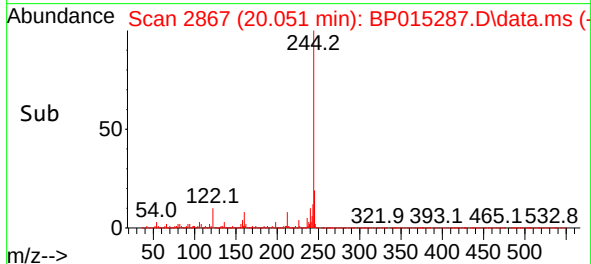
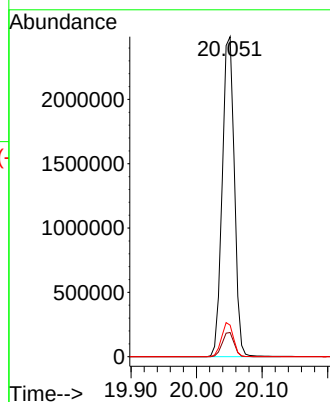
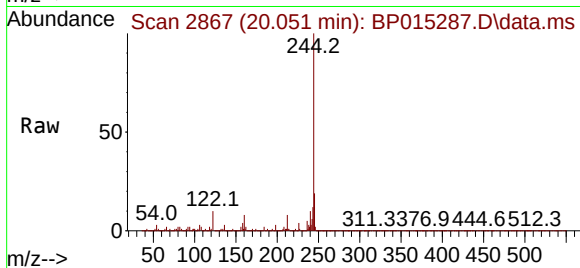
Tgt Ion:244 Resp: 3179040

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

122 9.9 8.2 12.4



#80

Butylbenzylphthalate

Concen: 3.659 ng

RT: 20.716 min Scan# 2980

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

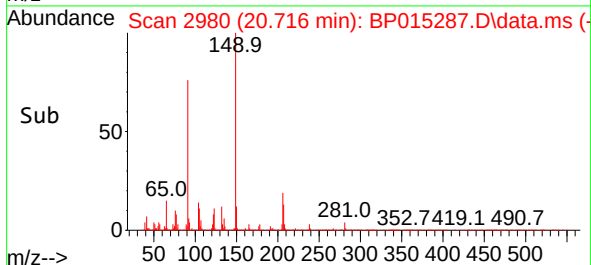
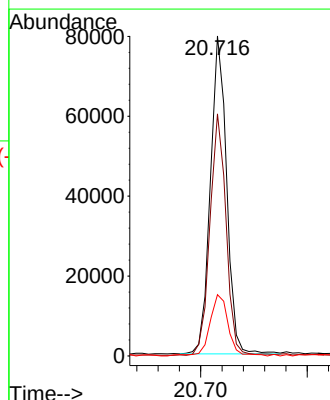
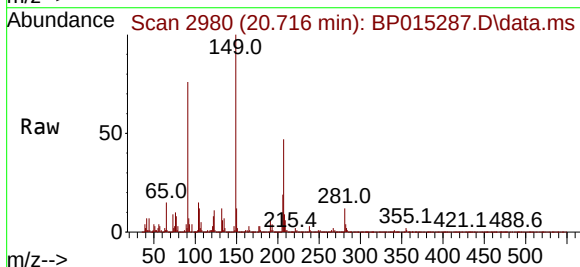
Tgt Ion:149 Resp: 84458

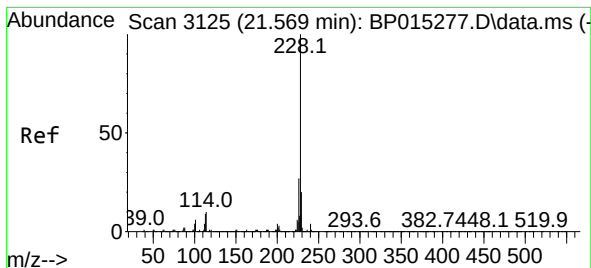
Ion Ratio Lower Upper

149 100

91 75.7 58.2 87.2

206 19.1 16.2 24.4





#81

Benzo(a)anthracene

Concen: 4.615 ng

RT: 21.575 min Scan# 3114

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

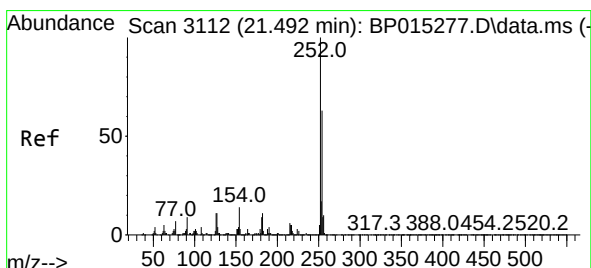
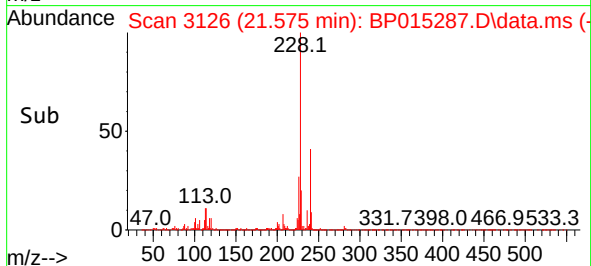
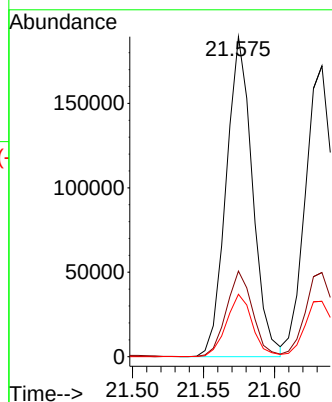
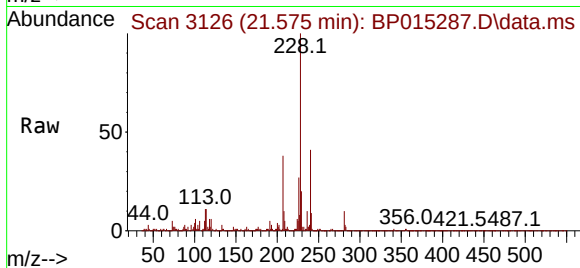
Tgt Ion:228 Resp: 244048

Ion Ratio Lower Upper

228 100

226 26.8 21.7 32.5

229 19.5 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 4.656 ng

RT: 21.504 min Scan# 3114

Delta R.T. 0.012 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

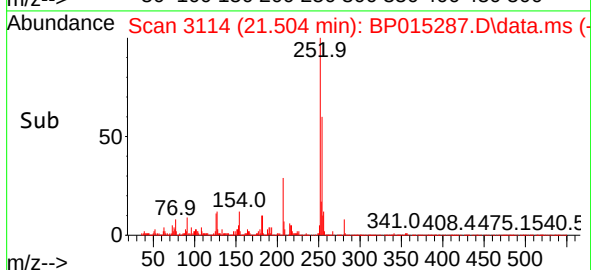
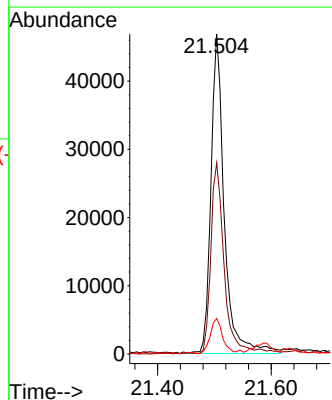
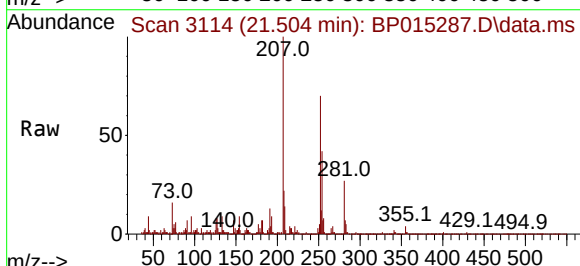
Tgt Ion:252 Resp: 76056

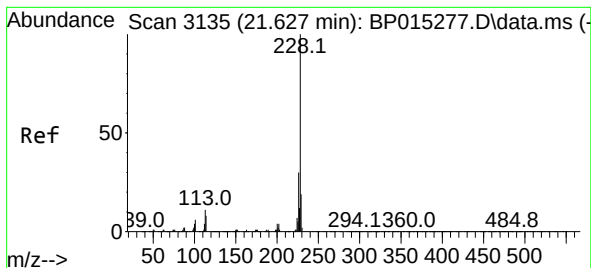
Ion Ratio Lower Upper

252 100

254 59.7 50.7 76.1

126 11.0 8.7 13.1





#83

Chrysene

Concen: 4.767 ng

RT: 21.633 min Scan# 3135

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

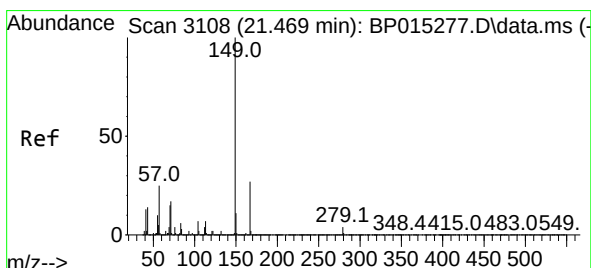
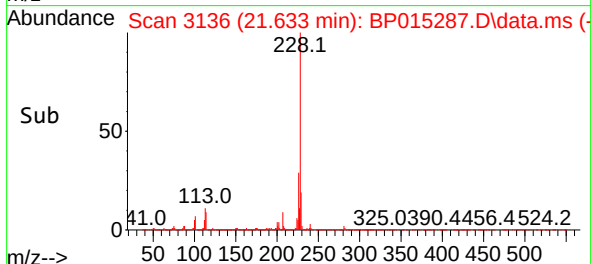
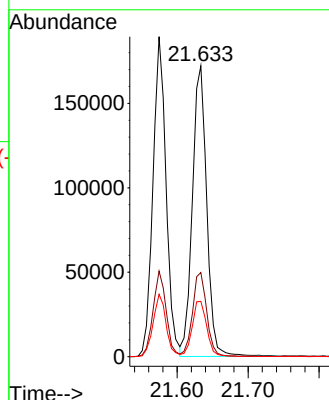
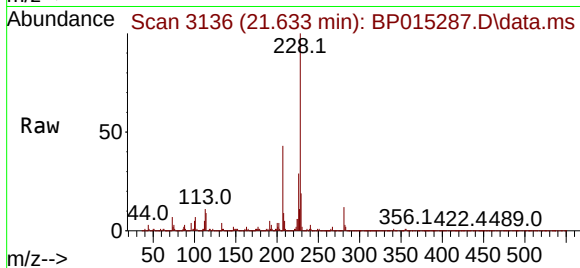
Tgt Ion:228 Resp: 241738

Ion Ratio Lower Upper

228 100

226 28.9 23.8 35.6

229 19.0 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.592 ng

RT: 21.475 min Scan# 3109

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

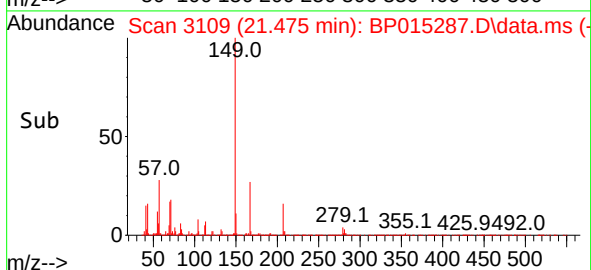
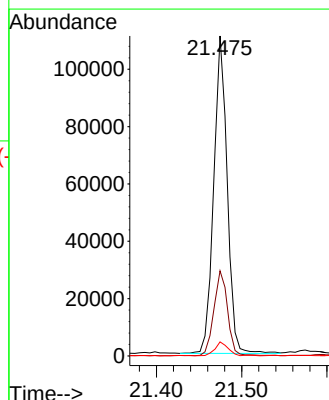
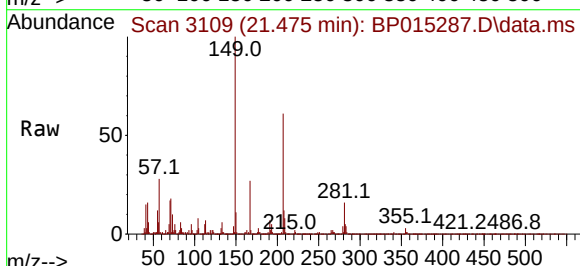
Tgt Ion:149 Resp: 122089

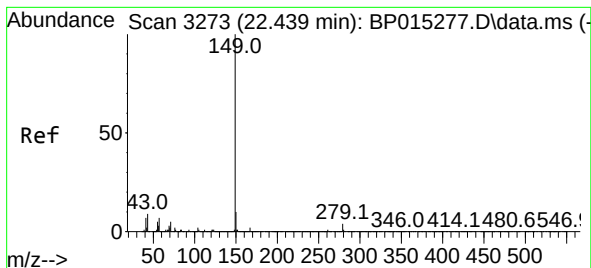
Ion Ratio Lower Upper

149 100

167 26.6 21.6 32.4

279 4.4 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 3.490 ng

RT: 22.451 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

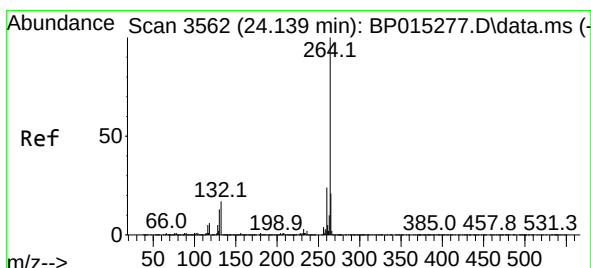
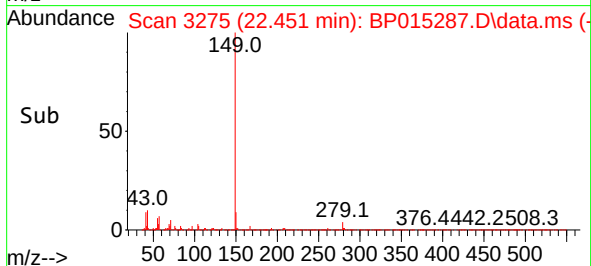
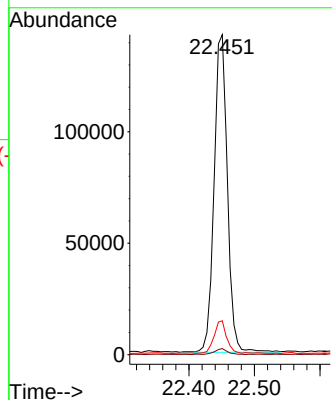
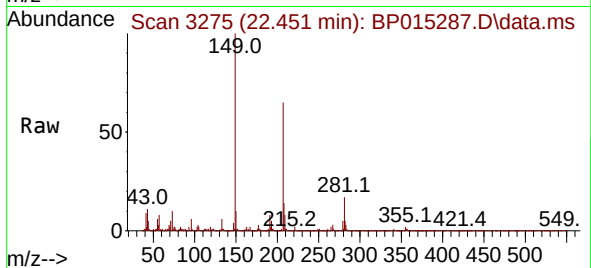
Tgt Ion:149 Resp: 200694

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

43 9.7 7.3 10.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.151 min Scan# 3564

Delta R.T. 0.012 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

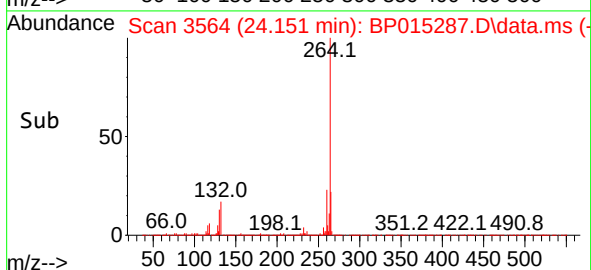
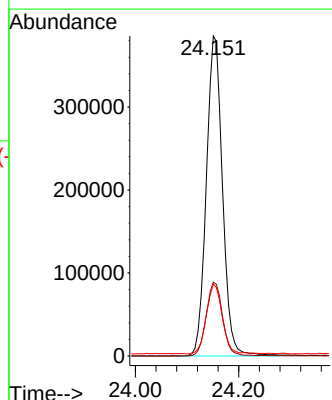
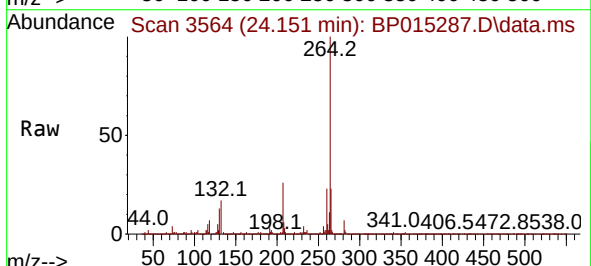
Tgt Ion:264 Resp: 838771

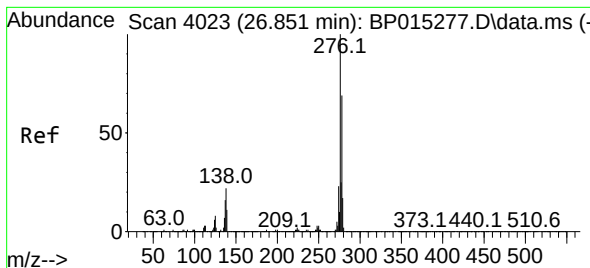
Ion Ratio Lower Upper

264 100

260 23.1 19.0 28.6

265 22.5 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.568 ng

RT: 26.857 min Scan# 4023

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

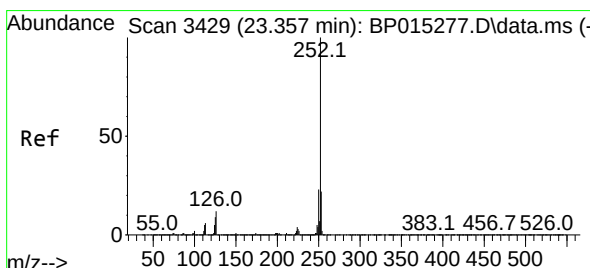
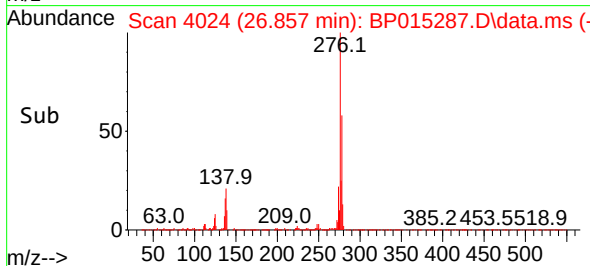
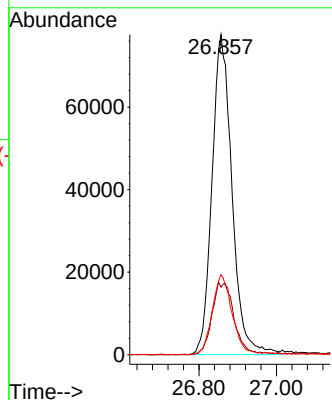
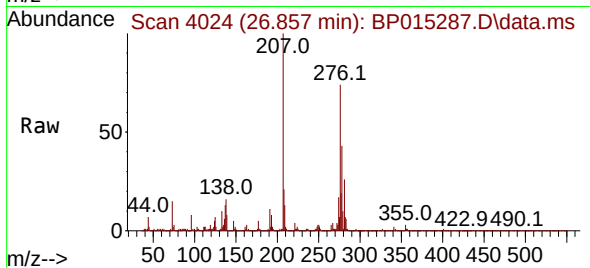
Tgt Ion:276 Resp: 277711

Ion Ratio Lower Upper

276 100

138 24.8 19.0 28.6

277 24.9 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 4.647 ng

RT: 23.363 min Scan# 3430

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

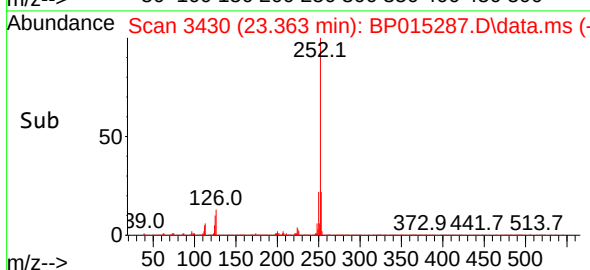
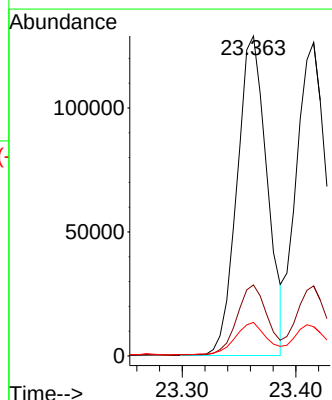
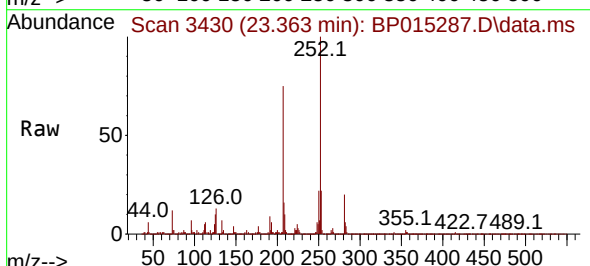
Tgt Ion:252 Resp: 237002

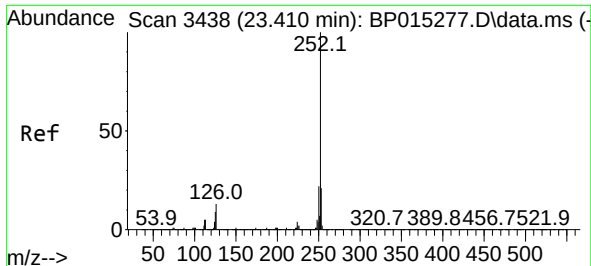
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 10.5 7.2 10.8

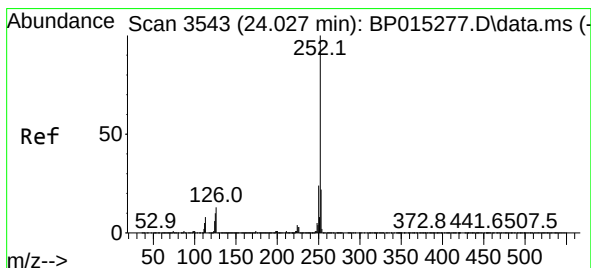
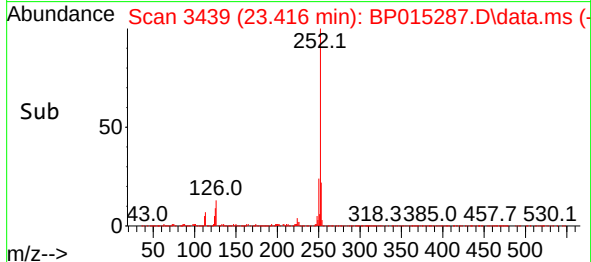
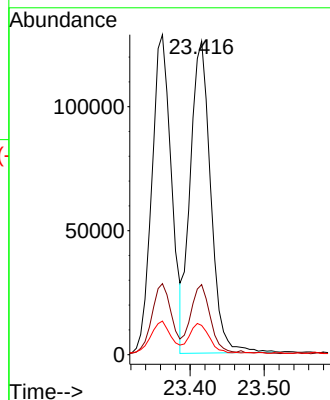
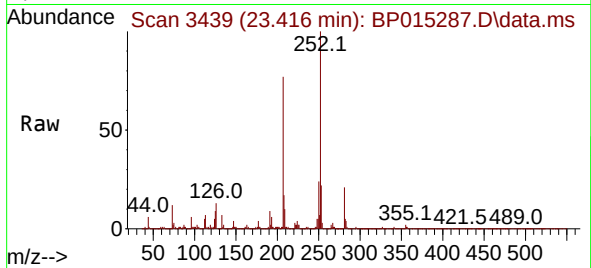




#89
Benzo(k)fluoranthene
Concen: 4.689 ng
RT: 23.416 min Scan# 3438
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

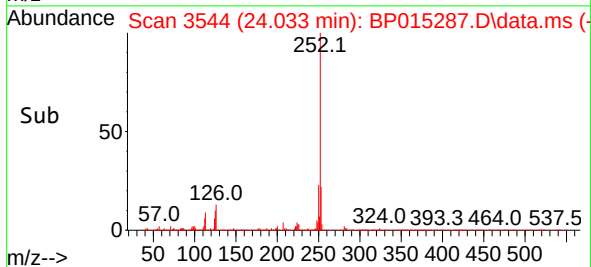
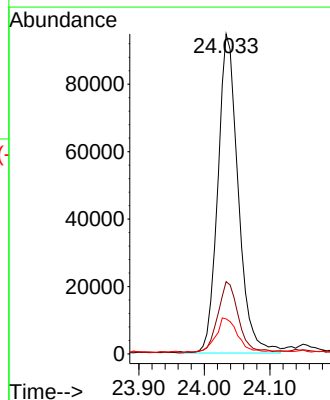
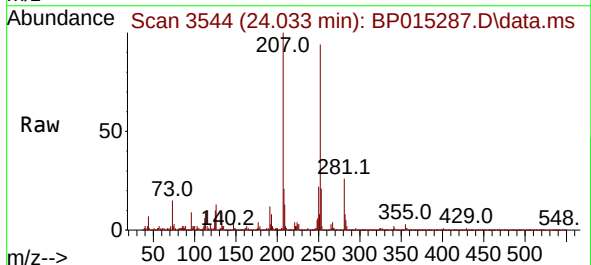
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

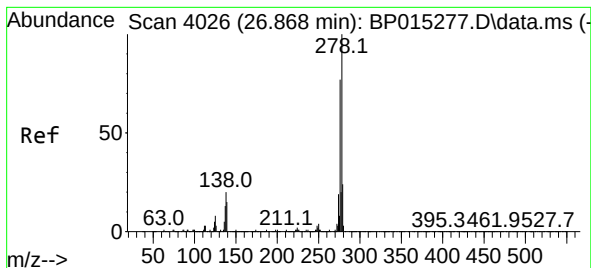
Tgt Ion:252 Resp: 240771
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.4
125 9.3 7.4 11.0



#90
Benzo(a)pyrene
Concen: 4.134 ng
RT: 24.033 min Scan# 3544
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:252 Resp: 203561
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 11.0 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 4.599 ng

RT: 26.874 min Scan# 4026

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

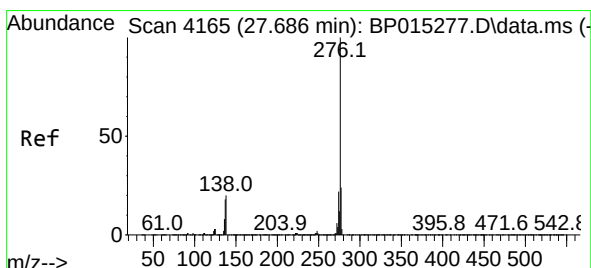
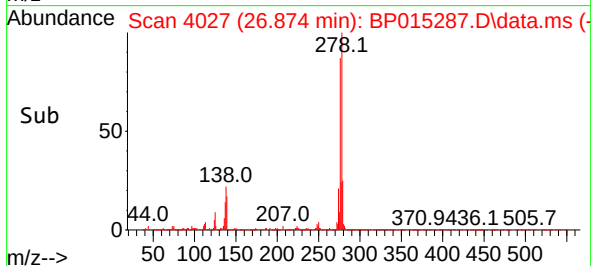
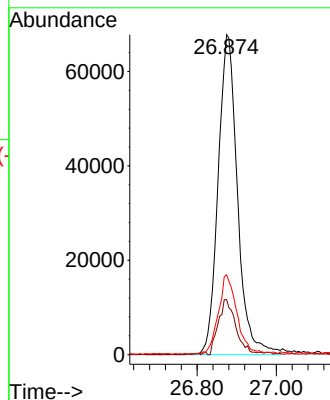
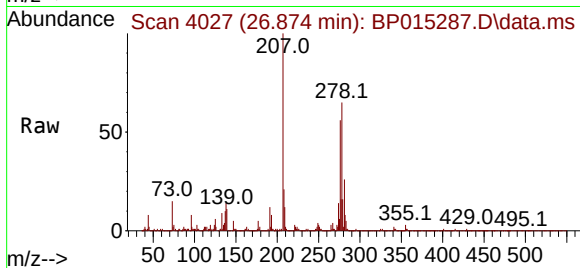
Tgt Ion:278 Resp: 229601

Ion Ratio Lower Upper

278 100

139 17.2 12.3 18.5

279 24.9 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 4.505 ng

RT: 27.692 min Scan# 4166

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Tgt Ion:276 Resp: 228522

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.6

138 20.1 16.2 24.2

