

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
 Data File : BP003433.D
 Acq On : 01 Oct 2020 02:17
 Operator : CG/JU
 Sample : L4193-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-13(11-13)

Quant Time: Oct 01 04:09:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 30 17:14:02 2020
 Response via : Initial Calibration

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

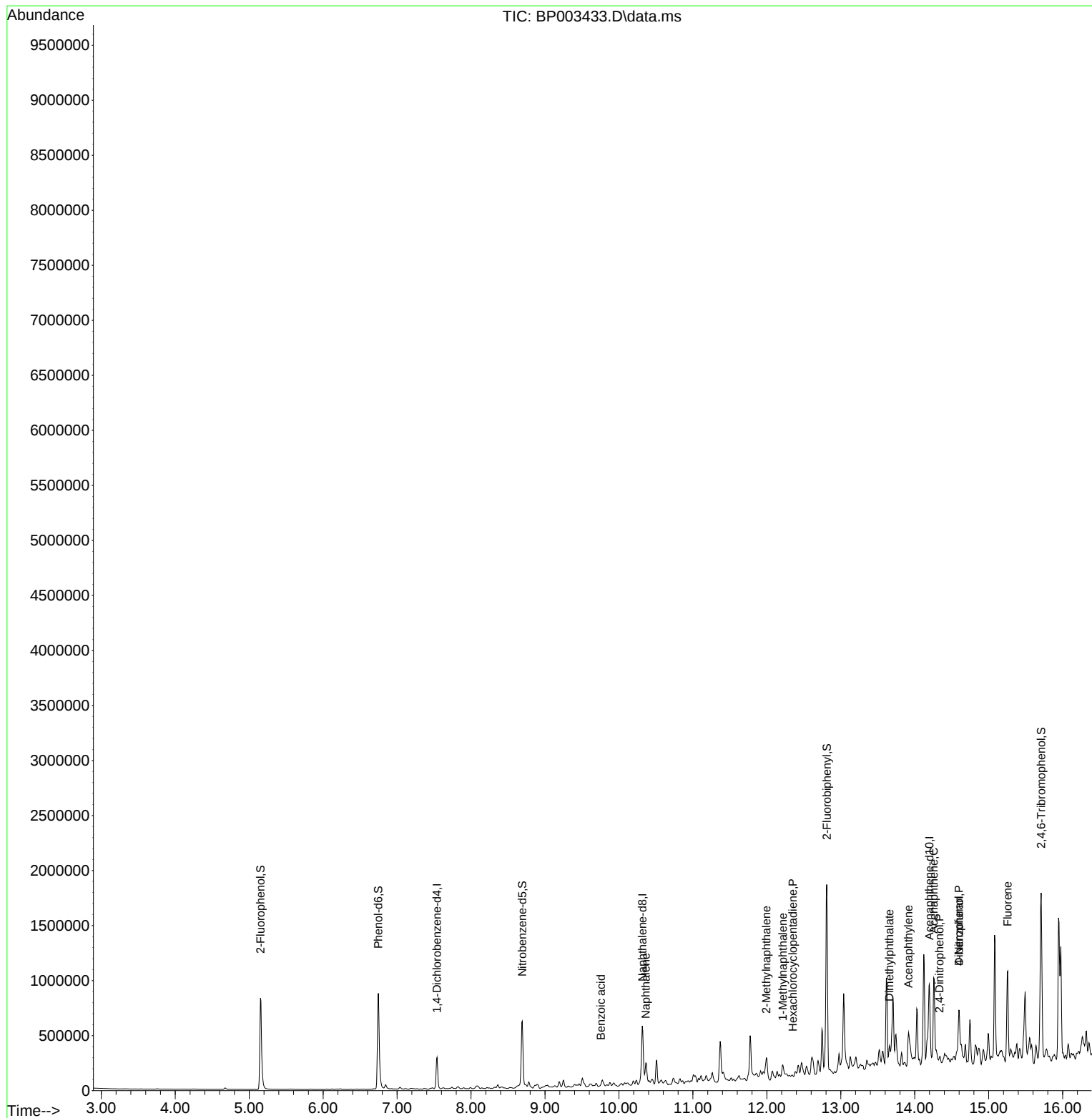
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.540	152	70946	20.00	ng	0.00
21) Naphthalene-d8	10.316	136	309175	20.00	ng	# 0.00
39) Acenaphthene-d10	14.198	164	205382	20.00	ng	0.00
64) Phenanthrene-d10	16.963	188	498568	20.00	ng	# 0.02
76) Chrysene-d12	21.204	240	510786	20.00	ng	0.14
86) Perylene-d12	0.000	264	0	0.00	ng	-23.26
System Monitoring Compounds						
5) 2-Fluorophenol	5.152	112	446934	110.00	ng	0.00
7) Phenol-d6	6.746	99	606213	111.94	ng	0.00
23) Nitrobenzene-d5	8.693	82	395809	75.21	ng	0.00
42) 2,4,6-Tribromophenol	15.710	330	295706	94.40	ng	0.02
45) 2-Fluorobiphenyl	12.810	172	877775	62.51	ng	0.00
79) Terphenyl-d14	19.580	244	1573849	64.20	ng	0.05
Target Compounds						Qvalue
31) Naphthalene	10.363	128	171944	10.53	ng	99
32) Benzoic acid	9.757	122	67	9.17	ng	# 1
37) 2-Methylnaphthalene	11.993	142	57593	4.87	ng	# 94
38) 1-Methylnaphthalene	12.216	142	44524	3.96	ng	# 99
41) Hexachlorocyclopentadiene	12.351	237	22	6.85	ng	74
49) Acenaphthylene	13.916	152	170547	8.80	ng	98
50) Dimethylphthalate	13.657	163	95434	5.82	ng	# 97
52) Acenaphthene	14.257	154	275774	23.38	ng	99
54) 2,4-Dinitrophenol	14.334	184	79	7.30	ng	# 1
55) Dibenzofuran	14.598	168	255820	13.59	ng	94
56) 4-Nitrophenol	14.598	139	103568	44.48	ng	# 26
58) Fluorene	15.257	166	347940	23.40	ng	99
70) Pentachlorophenol	16.651	266	212	6.83	ng	# 45
71) Phenanthrene	17.016	178	4274981	157.60	ng	98
72) Anthracene	17.104	178	1308359	48.94	ng	100
73) Carbazole	17.386	167	554903	21.85	ng	98
75) Fluoranthene	19.028	202	7047494	206.62	ng	97
78) Pyrene	19.386	202	5860032	183.96	ng	98
81) Benzo(a)anthracene	21.204	228	7034086	213.03	ng	# 92
82) 3,3'-Dichlorobenzidine	21.204	252	26806	2.10	ng	# 1
83) Chrysene	21.204	228	7034086	221.74	ng	# 95
84) Bis(2-ethylhexyl)phtha...	21.045	149	52390	2.55	ng	# 97

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

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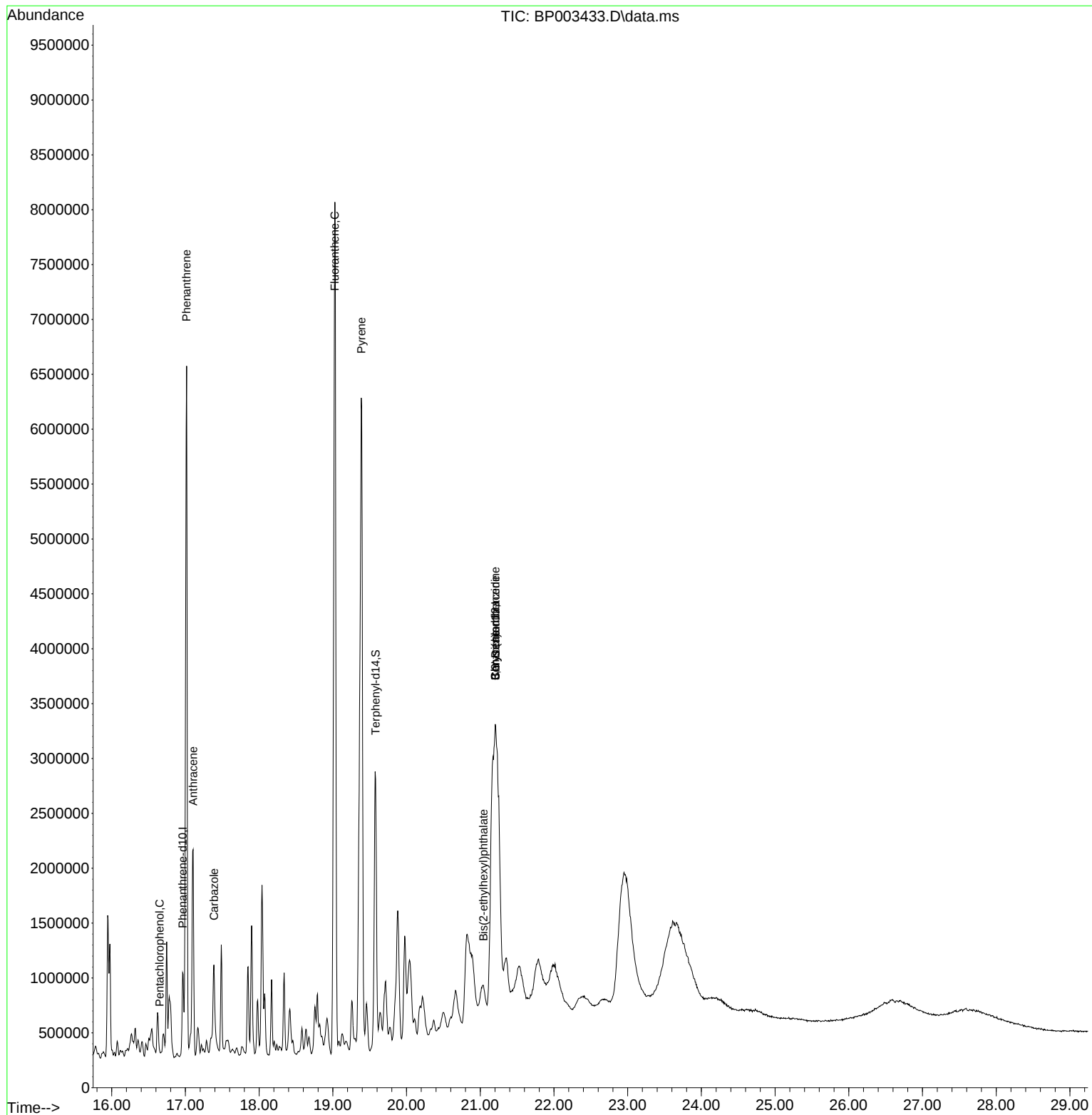
Quant Time: Oct 01 04:09:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 30 17:14:02 2020
Response via : Initial Calibration

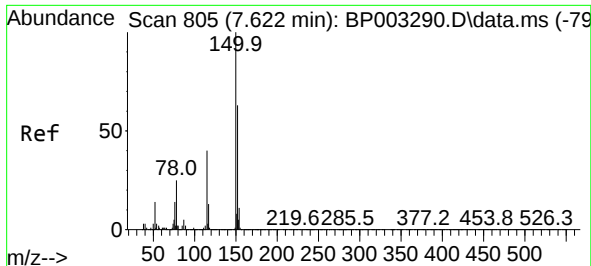


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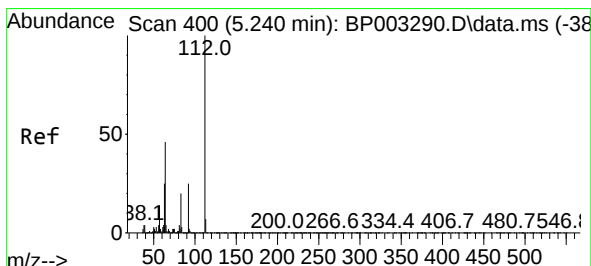
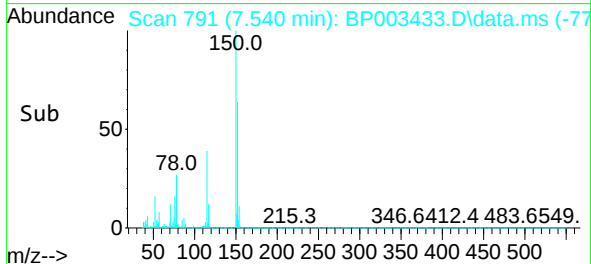
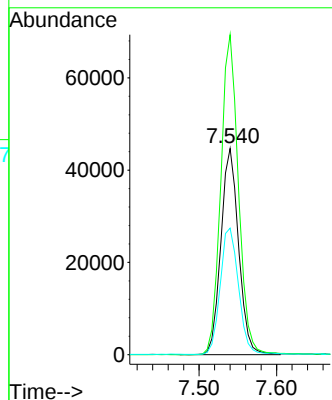
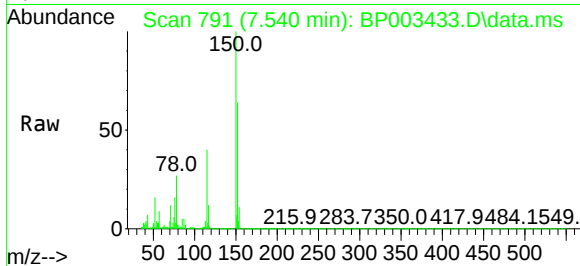




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.540 min Scan# 791
Delta R.T. 0.006 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

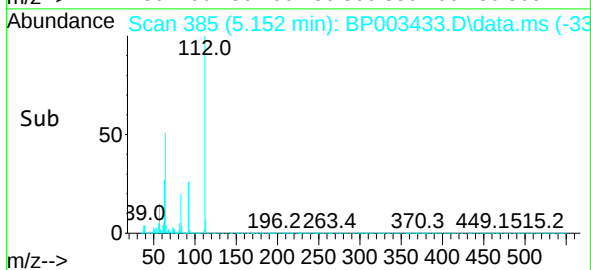
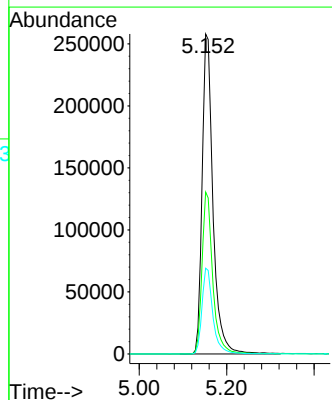
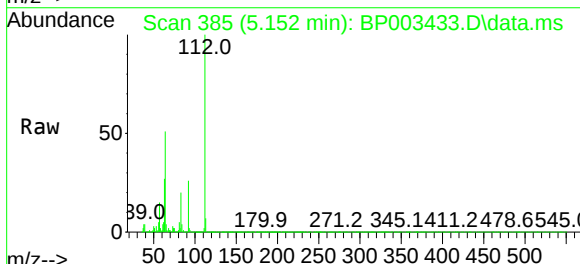
Instrument :
BNA_P
ClientSampleId :
B-13(11-13)

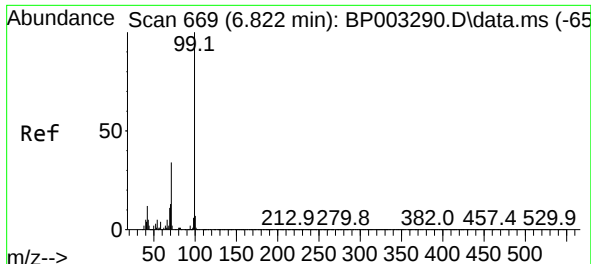
Tgt Ion:152 Resp: 70946
Ion Ratio Lower Upper
152 100
150 155.2 123.8 185.6
115 61.3 43.8 65.6



#5
2-Fluorophenol
Concen: 110.00 ng
RT: 5.152 min Scan# 385
Delta R.T. -0.000 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

Tgt Ion:112 Resp: 446934
Ion Ratio Lower Upper
112 100
64 50.6 32.8 49.2#
63 26.8 17.0 25.4#

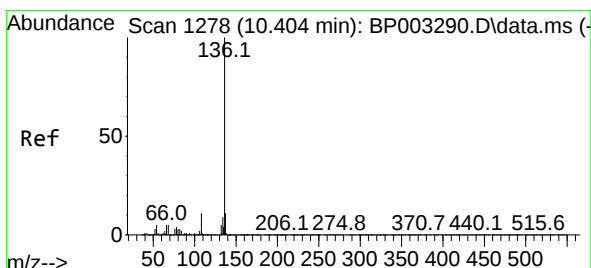
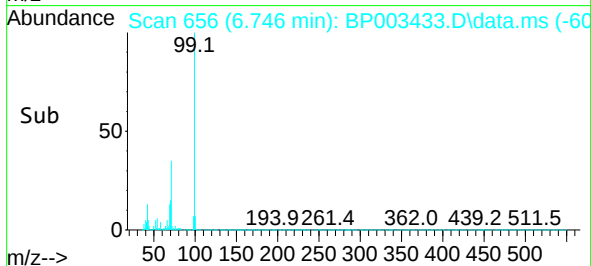
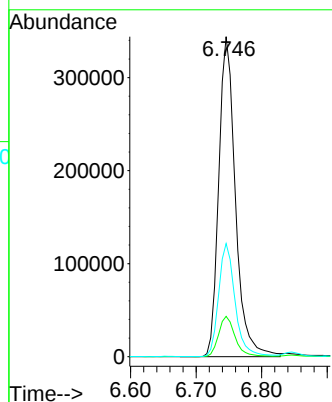
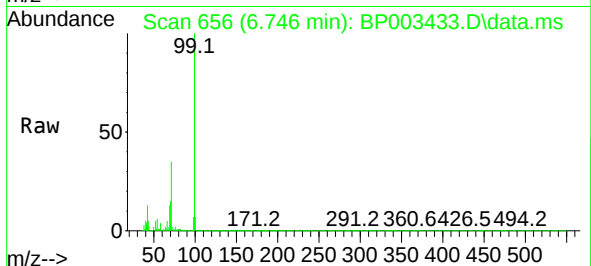




#7
Phenol-d6
Concen: 111.94 ng
RT: 6.746 min Scan# 656
Delta R.T. 0.006 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

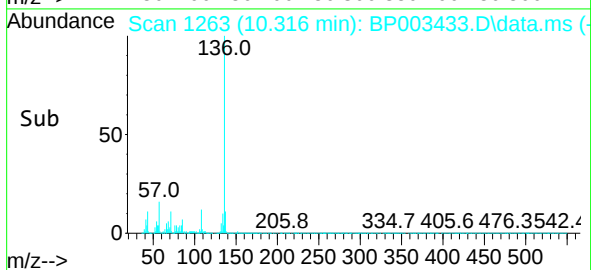
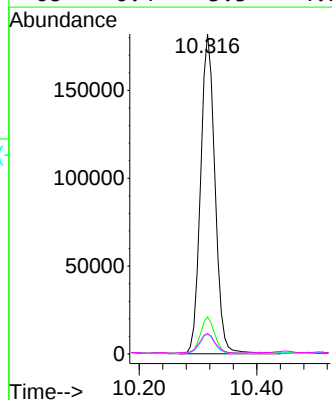
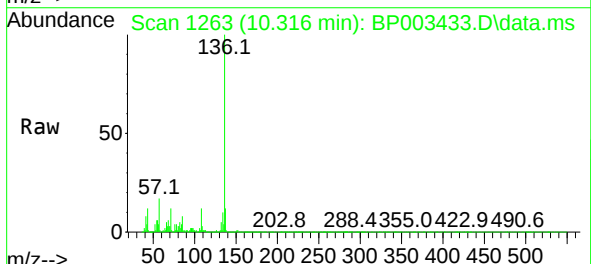
Instrument :
BNA_P
ClientSampleId :
B-13(11-13)

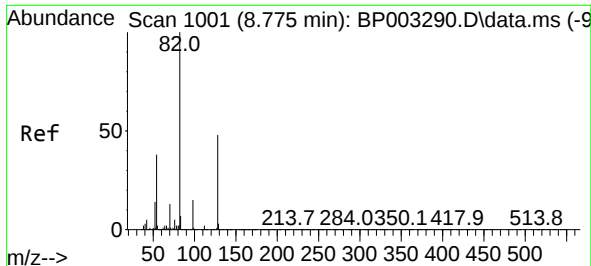
Tgt Ion: 99 Resp: 606213
Ion Ratio Lower Upper
99 100
42 12.6 8.6 13.0
71 35.3 23.4 35.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.316 min Scan# 1263
Delta R.T. 0.006 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

Tgt Ion:136 Resp: 309175
Ion Ratio Lower Upper
136 100
137 11.6 8.6 13.0
54 6.2 3.6 5.4#
68 6.4 3.3 4.9#

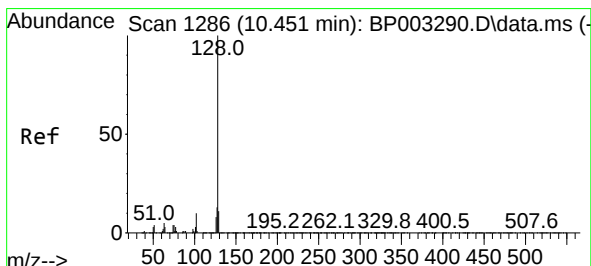
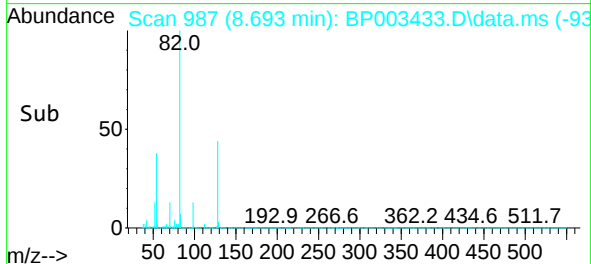
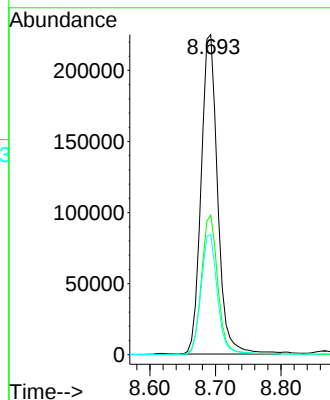
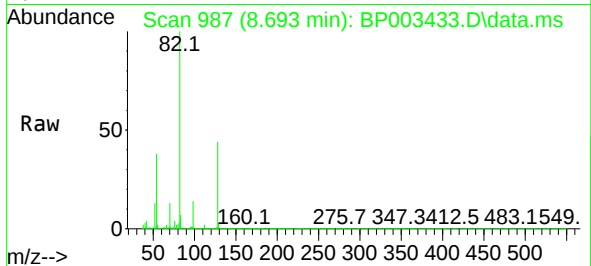




#23
Nitrobenzene-d5
Concen: 75.21 ng
RT: 8.693 min Scan# 987
Delta R.T. 0.006 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

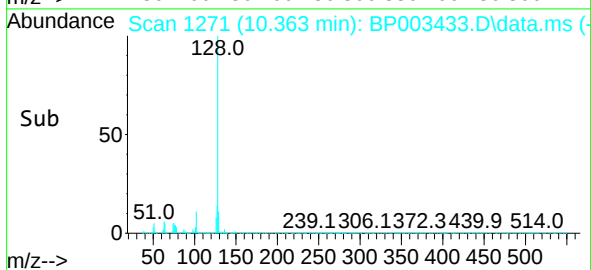
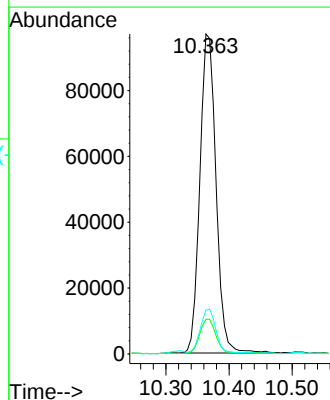
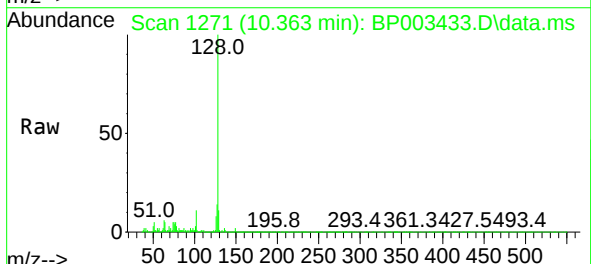
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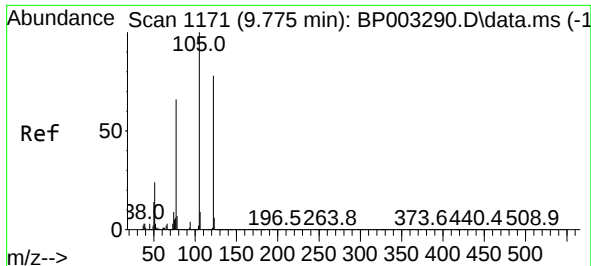
Tgt Ion: 82 Resp: 395809
Ion Ratio Lower Upper
82 100
128 43.6 45.6 68.4#
54 37.5 30.1 45.1



#31
Naphthalene
Concen: 10.53 ng
RT: 10.363 min Scan# 1271
Delta R.T. -0.000 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

Tgt Ion: 128 Resp: 171944
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.7 10.6 15.8

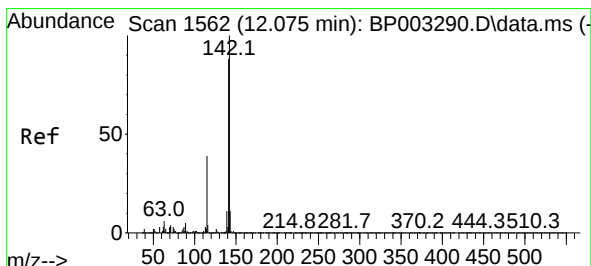
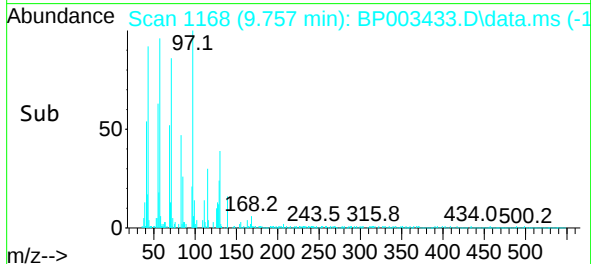
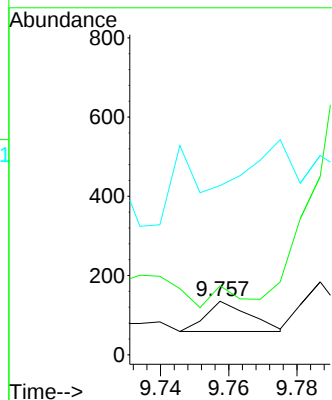
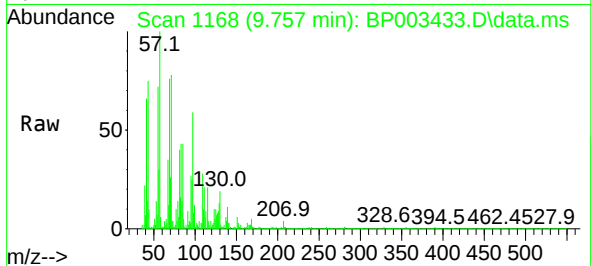




#32
Benzoic acid
Concen: 9.17 ng
RT: 9.757 min Scan# 1168
Delta R.T. 0.041 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

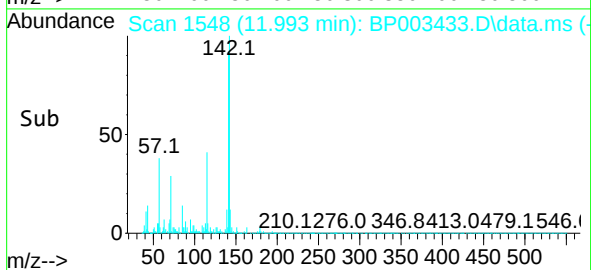
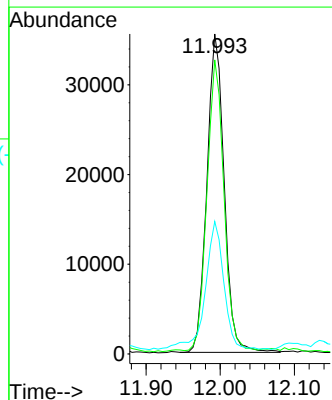
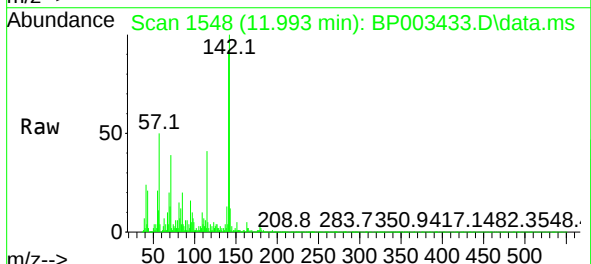
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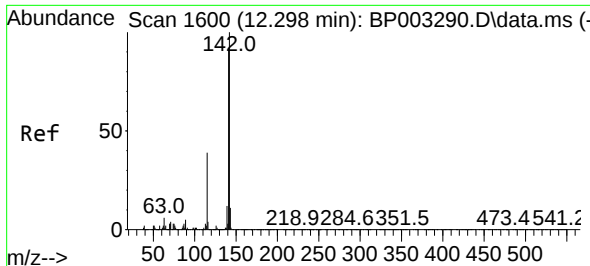
Tgt Ion:122 Resp: 67
Ion Ratio Lower Upper
122 100
105 128.9 94.1 134.1
77 316.3 50.1 90.1#



#37
2-Methylnaphthalene
Concen: 4.87 ng
RT: 11.993 min Scan# 1548
Delta R.T. 0.006 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

Tgt Ion:142 Resp: 57593
Ion Ratio Lower Upper
142 100
141 91.9 71.4 107.2
115 41.4 25.8 38.6#

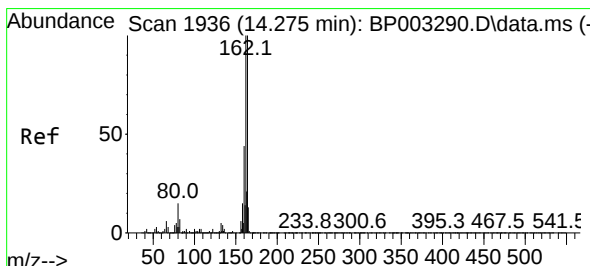
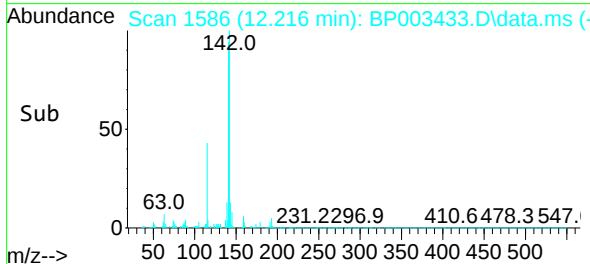
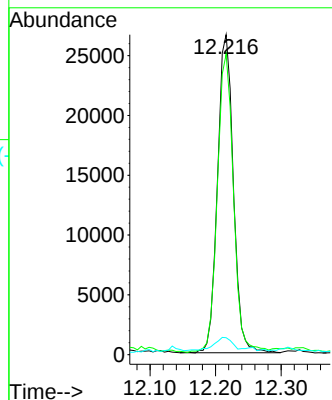
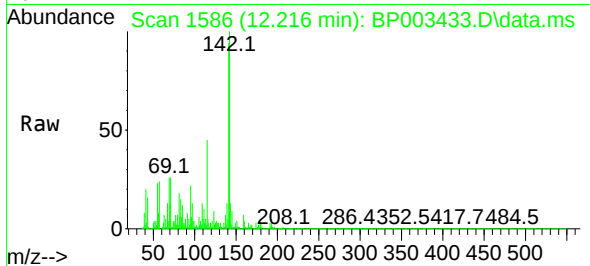




#38
1-Methylnaphthalene
Concen: 3.96 ng
RT: 12.216 min Scan# 1586
Delta R.T. 0.006 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

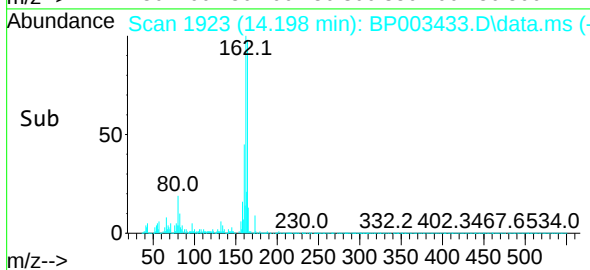
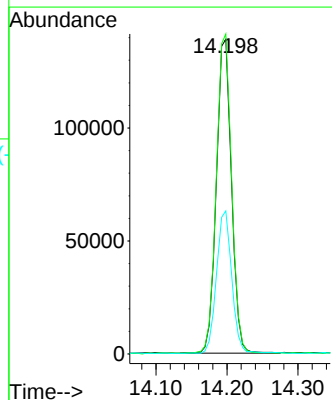
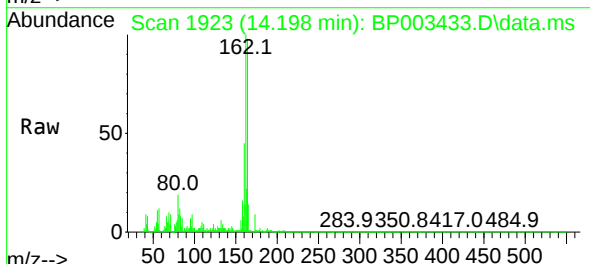
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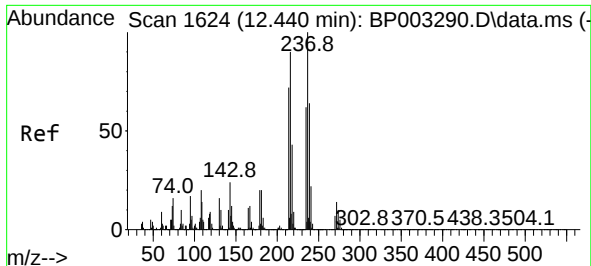
Tgt Ion:142 Resp: 44524
Ion Ratio Lower Upper
142 100
141 93.9 74.4 111.6
116 5.3 2.9 4.3#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.198 min Scan# 1923
Delta R.T. 0.006 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

Tgt Ion:164 Resp: 205382
Ion Ratio Lower Upper
164 100
162 101.7 79.4 119.2
160 45.4 36.1 54.1

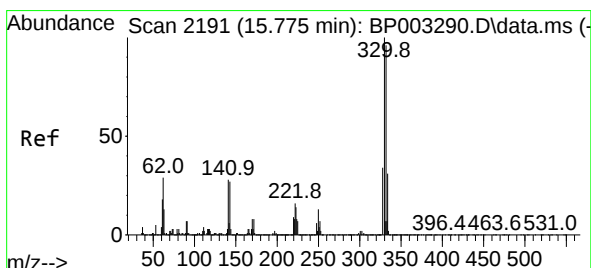
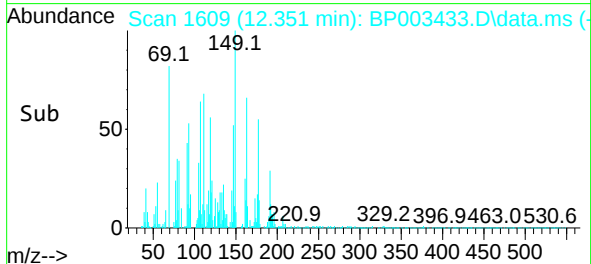
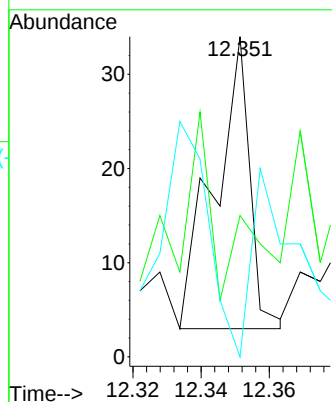
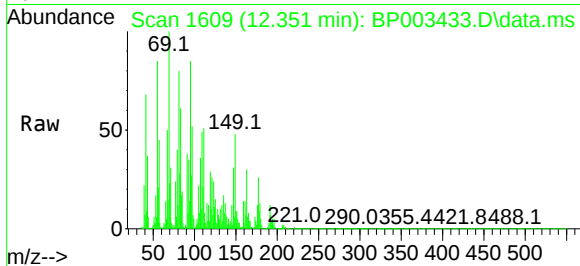




#41
Hexachlorocyclopentadiene
Concen: 6.85 ng
RT: 12.351 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

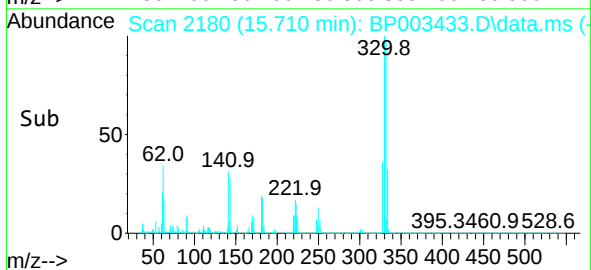
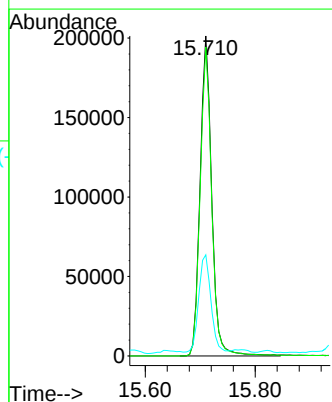
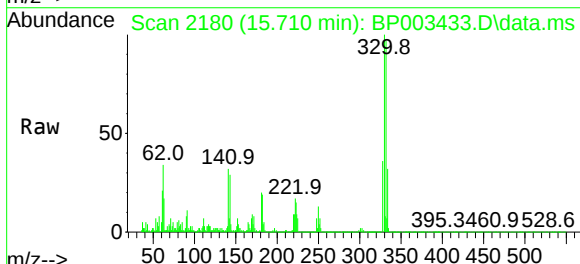
Instrument :
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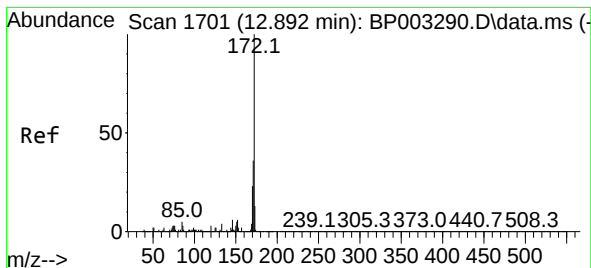
Tgt Ion:	237	Resp:	22
Ion	Ratio	Lower	Upper
237	100		
235	44.1	43.2	83.2
272	0.0	0.0	33.3



#42
2,4,6-Tribromophenol
Concen: 94.40 ng
RT: 15.710 min Scan# 2180
Delta R.T. 0.018 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

Tgt Ion:	330	Resp:	295706
Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.1	115.7
141	32.1	23.4	35.2

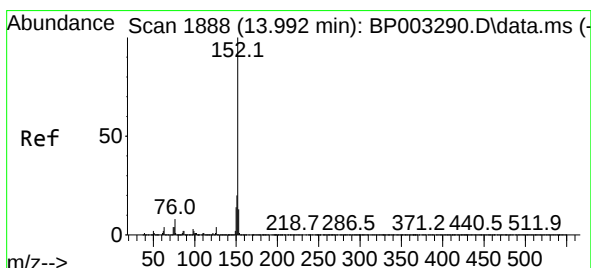
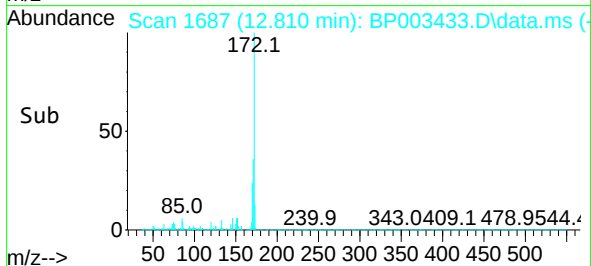
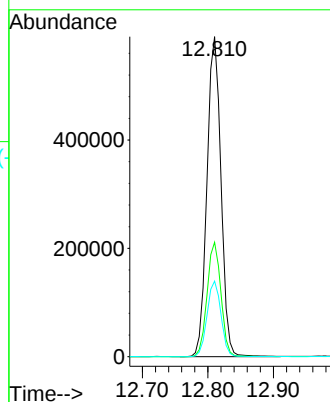
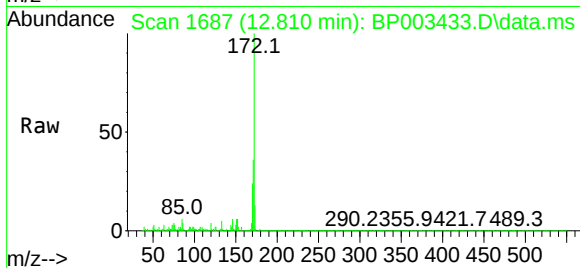




#45
2-Fluorobiphenyl
Concen: 62.51 ng
RT: 12.810 min Scan# 1687
Delta R.T. 0.006 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

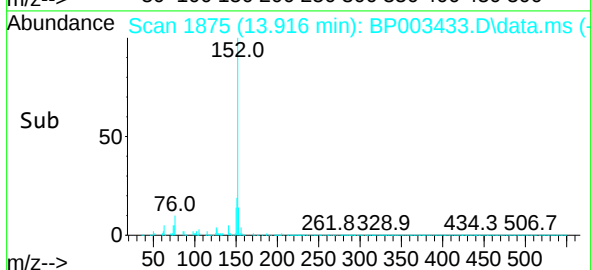
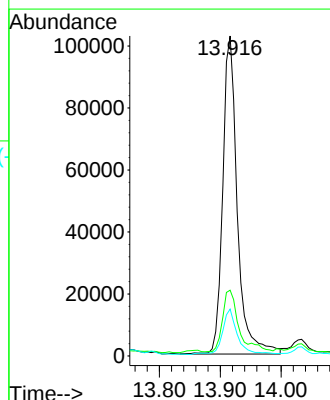
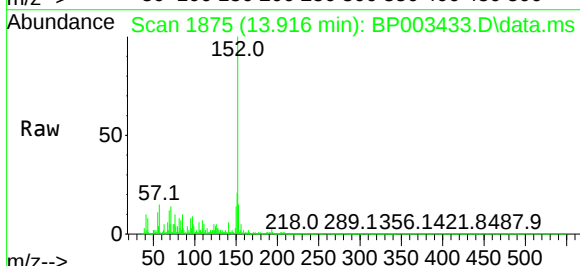
Instrument :
BNA_P
ClientSampleId :
B-13(11-13)

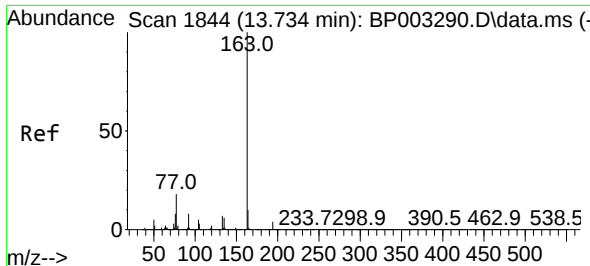
Tgt Ion:172 Resp: 877775
Ion Ratio Lower Upper
172 100
171 35.8 28.5 42.7
170 23.6 19.2 28.8



#49
Acenaphthylene
Concen: 8.80 ng
RT: 13.916 min Scan# 1875
Delta R.T. 0.006 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

Tgt Ion:152 Resp: 170547
Ion Ratio Lower Upper
152 100
151 20.6 15.9 23.9
153 14.6 10.5 15.7

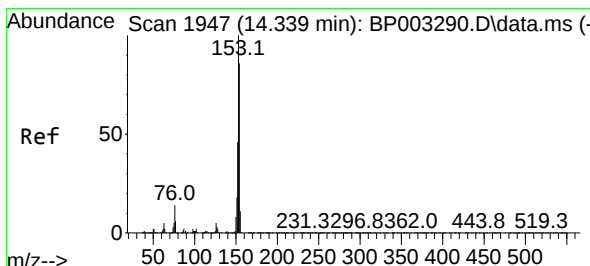
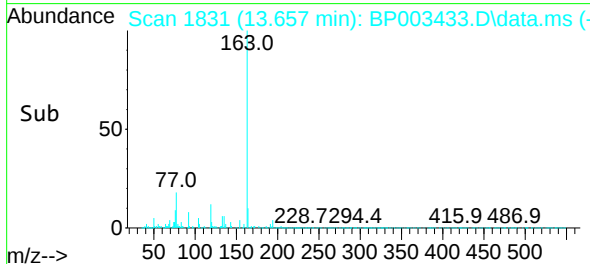
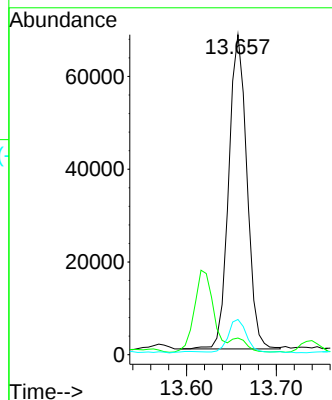
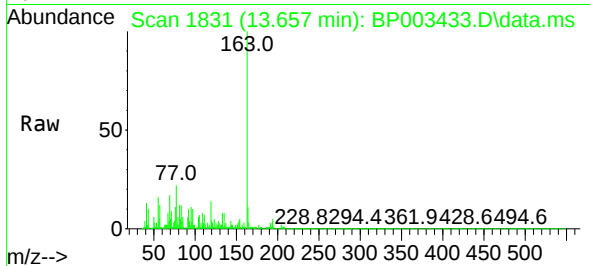




#50
Dimethylphthalate
Concen: 5.82 ng
RT: 13.657 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

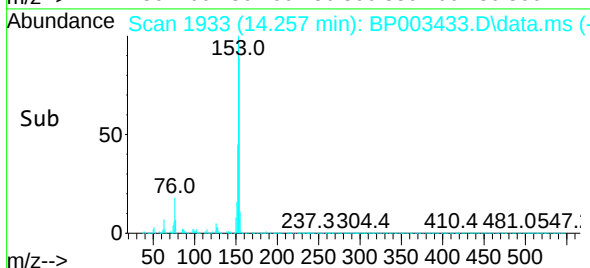
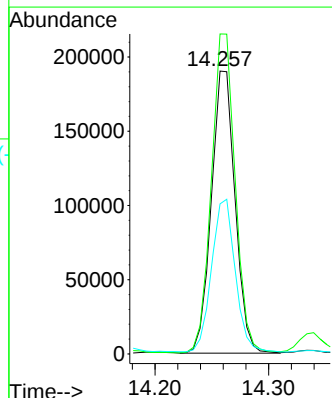
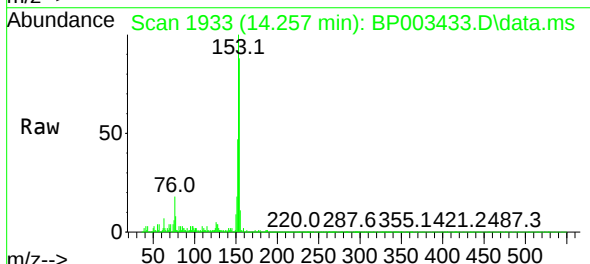
Instrument :
BNA_P
ClientSampleId :
B-13(11-13)

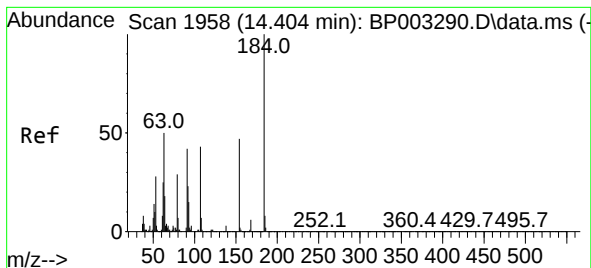
Tgt Ion:163 Resp: 95434
Ion Ratio Lower Upper
163 100
194 5.2 3.3 4.9#
164 11.0 8.2 12.2



#52
Acenaphthene
Concen: 23.38 ng
RT: 14.257 min Scan# 1933
Delta R.T. -0.000 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

Tgt Ion:154 Resp: 275774
Ion Ratio Lower Upper
154 100
153 113.1 91.0 136.6
152 53.0 43.0 64.6

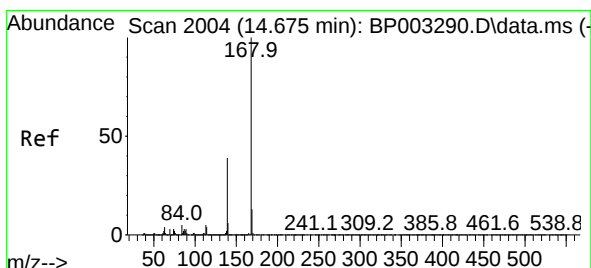
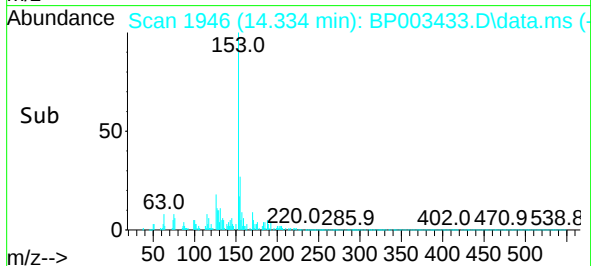
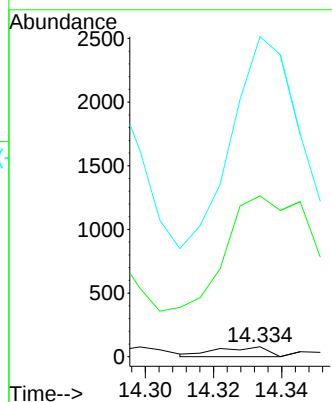
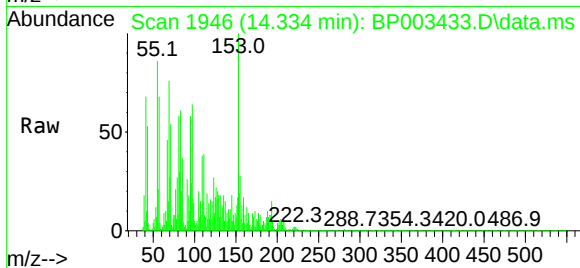




#54
2,4-Dinitrophenol
Concen: 7.30 ng
RT: 14.334 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

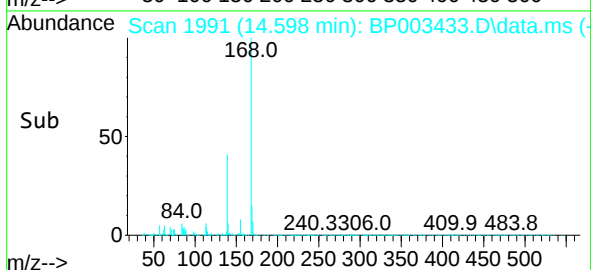
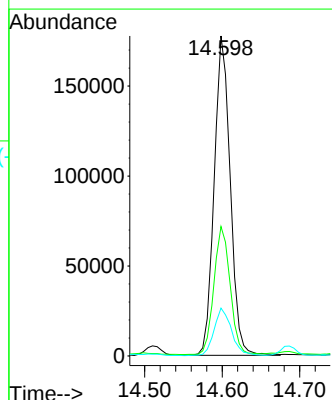
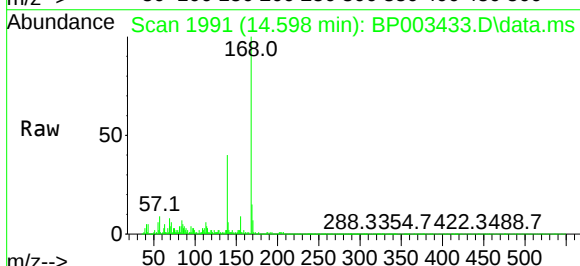
Instrument :
BNA_P
ClientSampleId :
B-13(11-13)

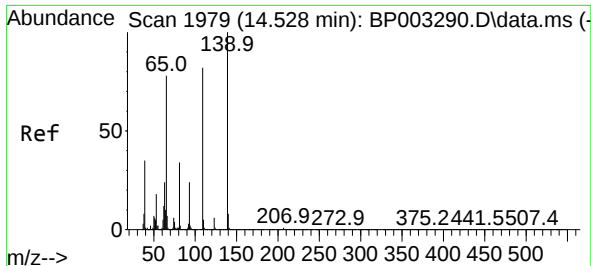
Tgt Ion:184 Resp: 79
Ion Ratio Lower Upper
184 100
63 1619.2 32.3 48.5#
154 3223.1 49.1 73.7#



#55
Dibenzofuran
Concen: 13.59 ng
RT: 14.598 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

Tgt Ion:168 Resp: 255820
Ion Ratio Lower Upper
168 100
139 40.5 29.1 43.7
169 15.0 10.4 15.6

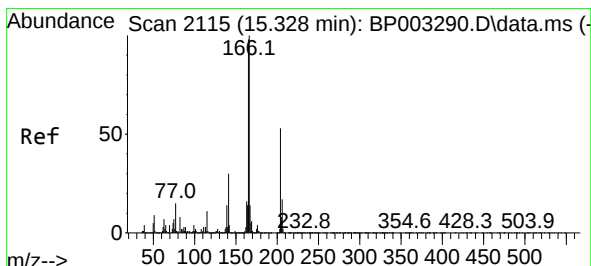
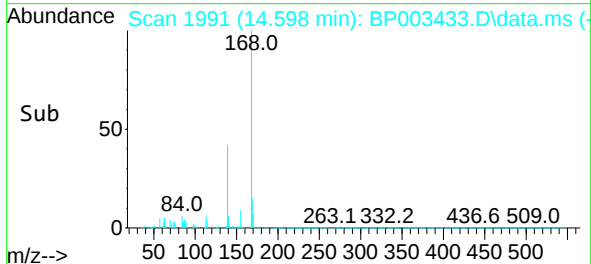
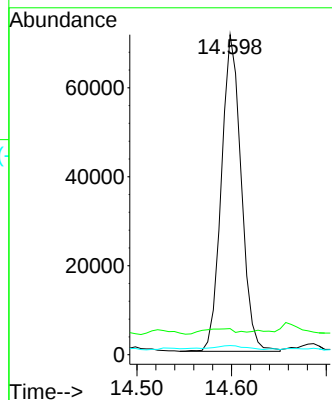
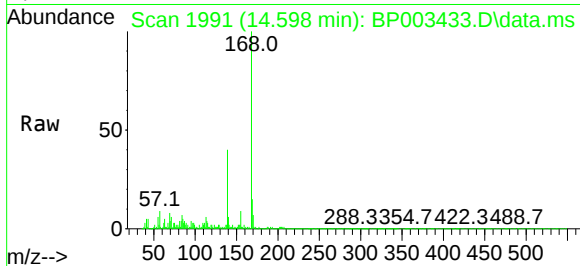




#56
4-Nitrophenol
Concen: 44.48 ng
RT: 14.598 min Scan# 1991
Delta R.T. 0.123 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

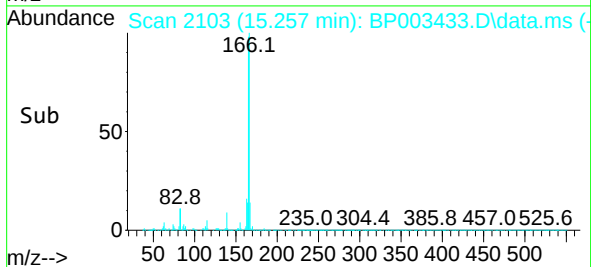
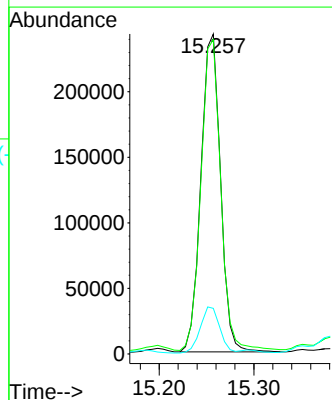
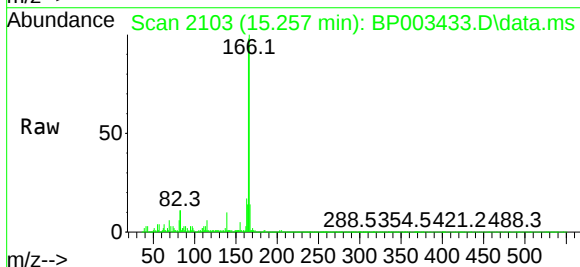
Instrument :
BNA_P
ClientSampleId :
B-13(11-13)

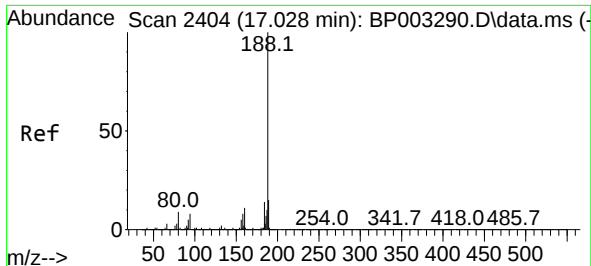
Tgt Ion:139 Resp: 103568
Ion Ratio Lower Upper
139 100
109 8.1 44.6 84.6#
65 2.9 41.6 81.6#



#58
Fluorene
Concen: 23.40 ng
RT: 15.257 min Scan# 2103
Delta R.T. 0.006 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

Tgt Ion:166 Resp: 347940
Ion Ratio Lower Upper
166 100
165 98.2 77.8 116.8
167 14.2 11.0 16.4

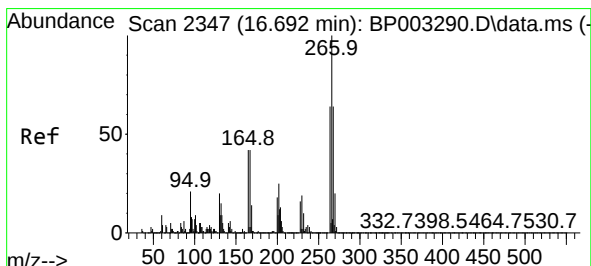
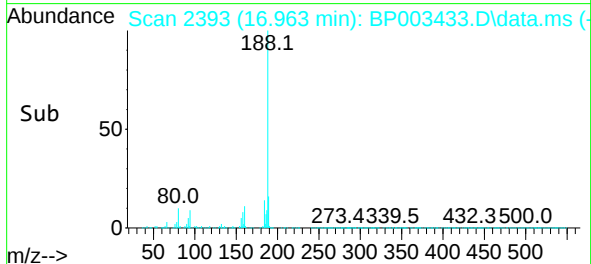
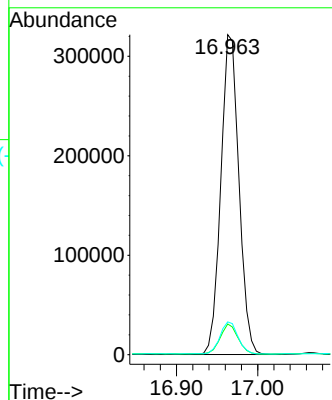
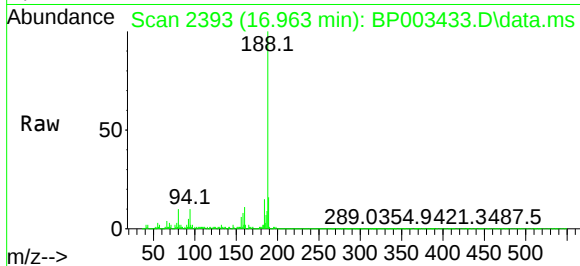




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.963 min Scan# 2393
Delta R.T. 0.018 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

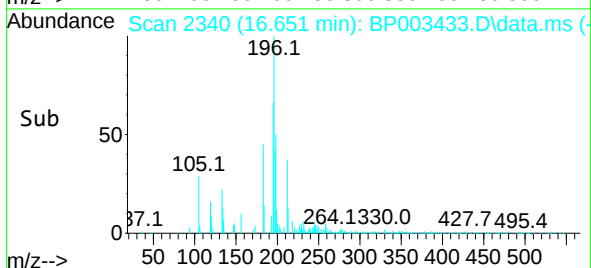
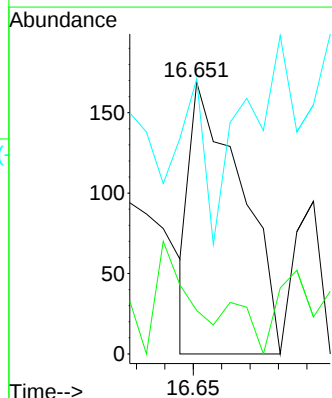
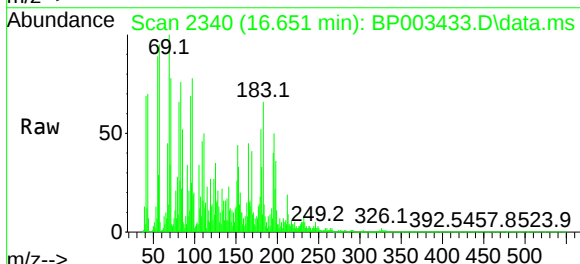
Instrument :
BNA_P
ClientSampleId :
B-13(11-13)

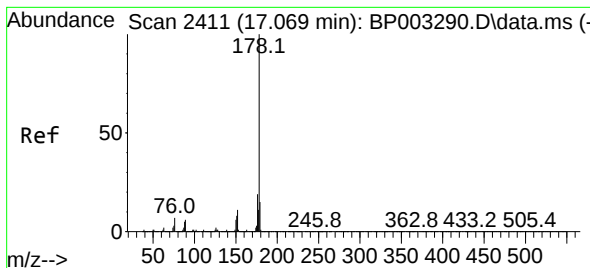
Tgt Ion:188 Resp: 498568
Ion Ratio Lower Upper
188 100
94 9.6 6.2 9.2#
80 10.3 6.2 9.2#



#70
Pentachlorophenol
Concen: 6.83 ng
RT: 16.651 min Scan# 2340
Delta R.T. 0.029 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

Tgt Ion:266 Resp: 212
Ion Ratio Lower Upper
266 100
268 16.0 51.1 76.7#
264 101.2 50.6 76.0#

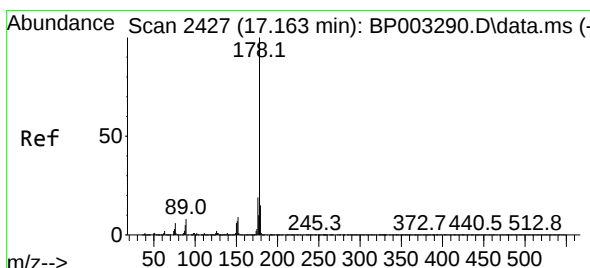
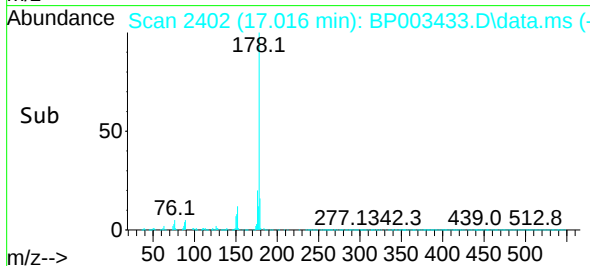
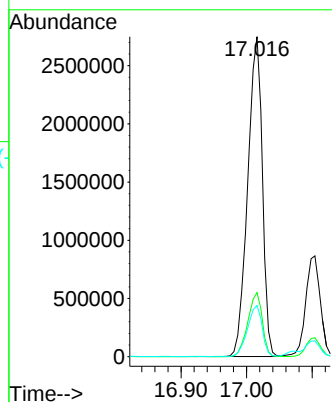
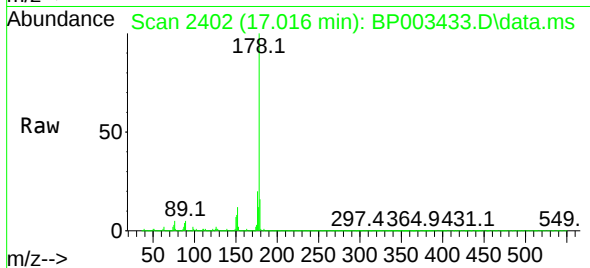




#71
Phenanthrene
Concen: 157.60 ng
RT: 17.016 min Scan# 2402
Delta R.T. 0.023 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

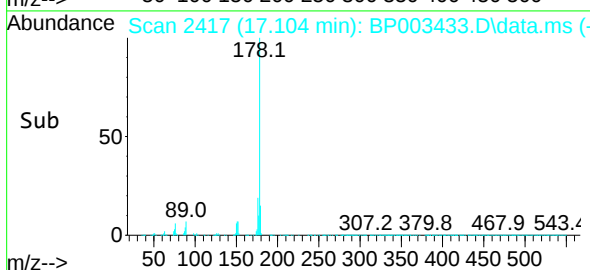
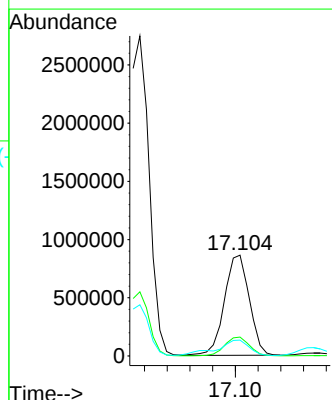
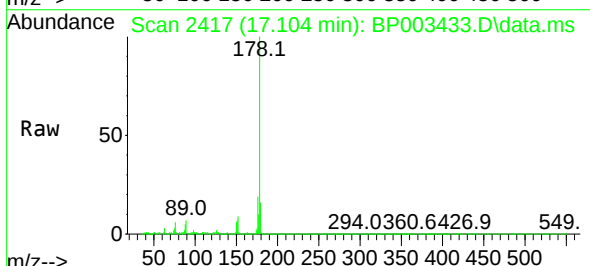
Instrument :
BNA_P
ClientSampleId :
B-13(11-13)

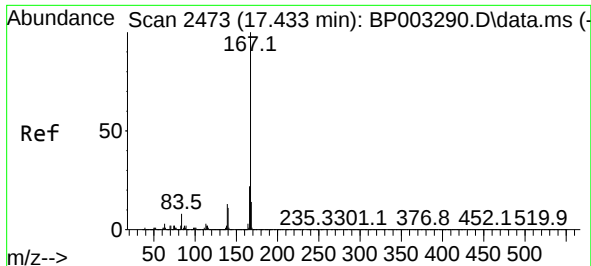
Tgt Ion:178 Resp: 4274981
Ion Ratio Lower Upper
178 100
176 20.1 15.3 22.9
179 16.0 12.5 18.7



#72
Anthracene
Concen: 48.94 ng
RT: 17.104 min Scan# 2417
Delta R.T. 0.023 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

Tgt Ion:178 Resp: 1308359
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.7 12.5 18.7

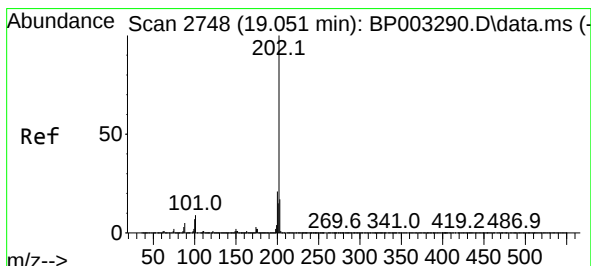
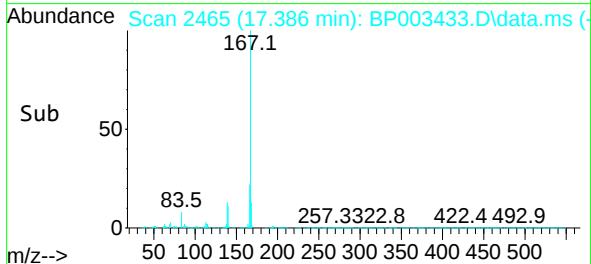
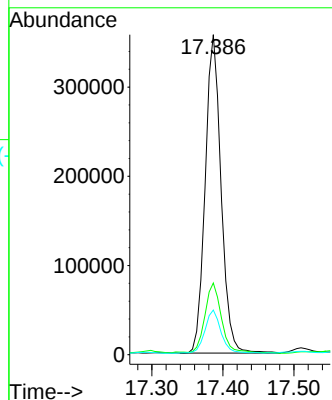
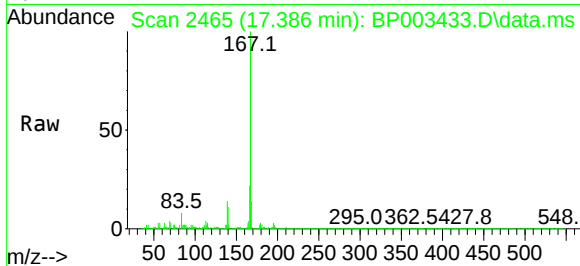




#73
 Carbazole
 Concen: 21.85 ng
 RT: 17.386 min Scan# 2465
 Delta R.T. 0.023 min
 Lab File: BP003433.D
 Acq: 01 Oct 2020 02:17

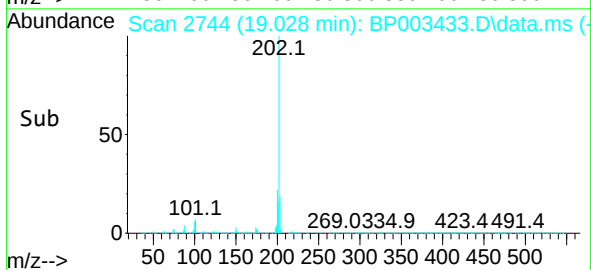
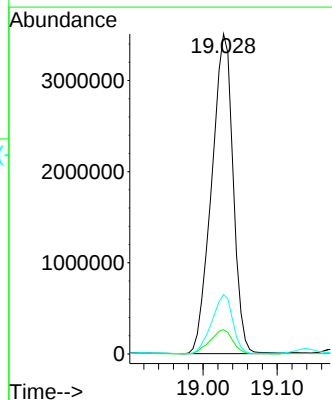
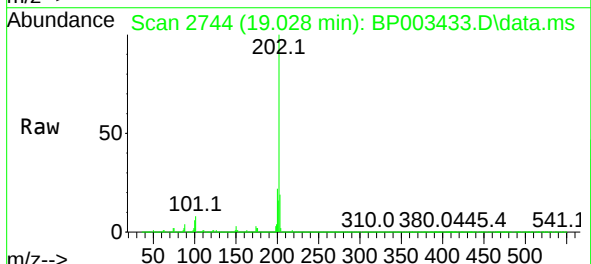
Instrument :
 BNA_P
 ClientSampleId :
 B-13(11-13)

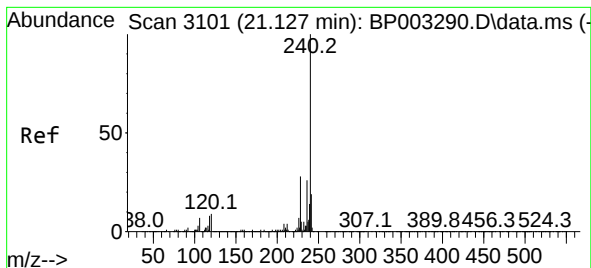
Tgt Ion:167 Resp: 554903
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.6 26.4
 139 13.9 10.2 15.4



#75
 Fluoranthene
 Concen: 206.62 ng
 RT: 19.028 min Scan# 2744
 Delta R.T. 0.047 min
 Lab File: BP003433.D
 Acq: 01 Oct 2020 02:17

Tgt Ion:202 Resp: 7047494
 Ion Ratio Lower Upper
 202 100
 101 7.6 0.0 29.4
 203 18.6 0.0 37.8





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.204 min Scan# 3114

Delta R.T. 0.141 min

Lab File: BP003433.D

Acq: 01 Oct 2020 02:17

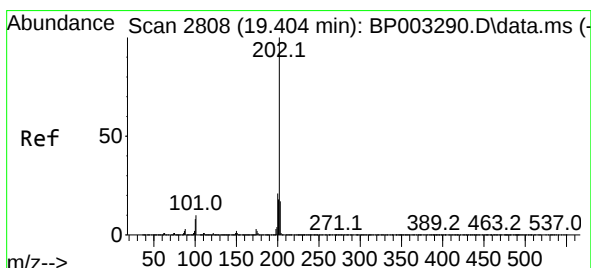
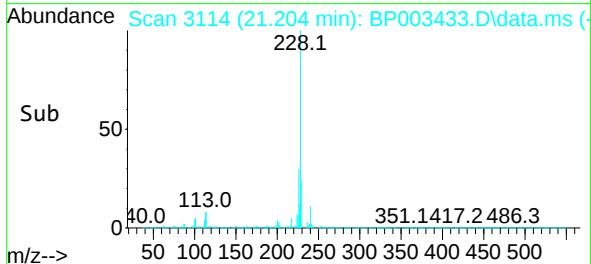
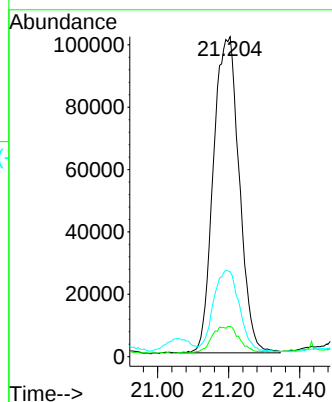
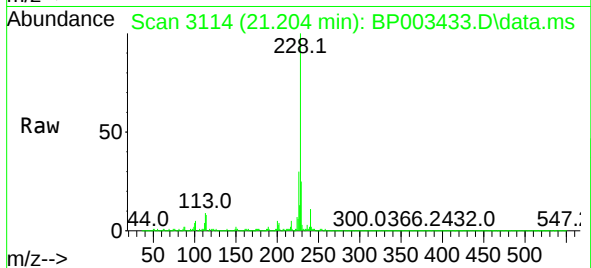
Tgt Ion:240 Resp: 510786

Ion Ratio Lower Upper

240 100

120 9.5 7.8 11.6

236 26.6 20.8 31.2



#78

Pyrene

Concen: 183.96 ng

RT: 19.386 min Scan# 2805

Delta R.T. 0.053 min

Lab File: BP003433.D

Acq: 01 Oct 2020 02:17

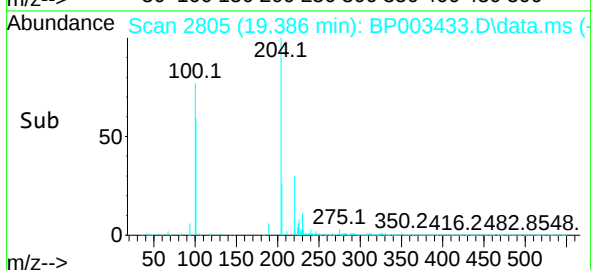
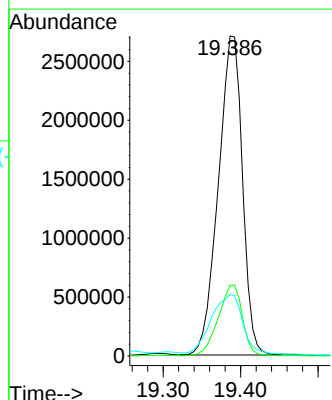
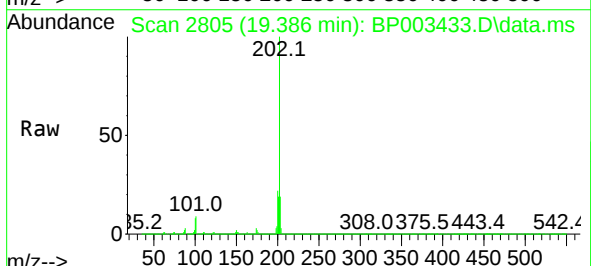
Tgt Ion:202 Resp: 5860032

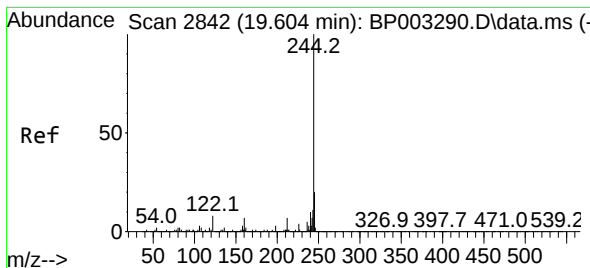
Ion Ratio Lower Upper

202 100

200 22.1 17.1 25.7

203 19.2 14.2 21.2





#79

Terphenyl-d14

Concen: 64.20 ng

RT: 19.580 min Scan# 2838

Delta R.T. 0.047 min

Lab File: BP003433.D

Acq: 01 Oct 2020 02:17

Instrument :

BNA_P

ClientSampleId :

B-13(11-13)

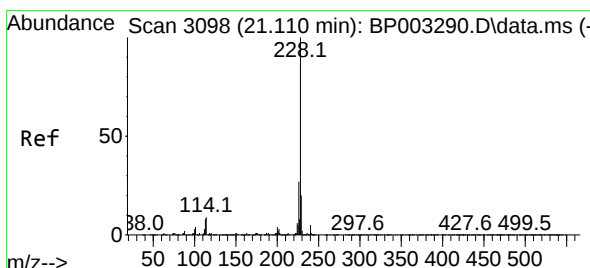
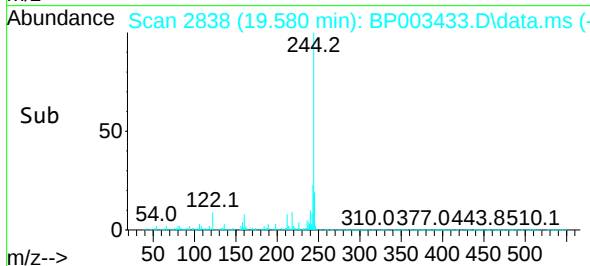
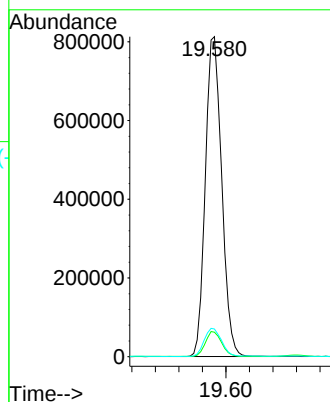
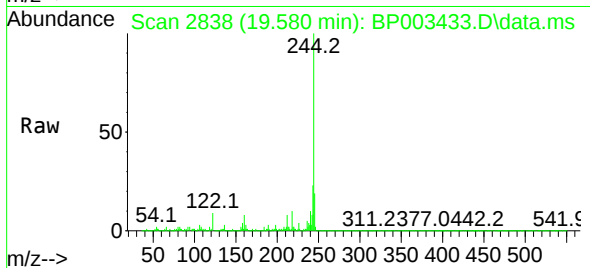
Tgt Ion:244 Resp: 1573849

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

122 8.6 7.8 11.8



#81

Benzo(a)anthracene

Concen: 213.03 ng

RT: 21.204 min Scan# 3114

Delta R.T. 0.159 min

Lab File: BP003433.D

Acq: 01 Oct 2020 02:17

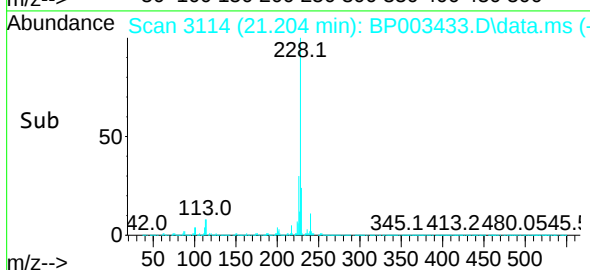
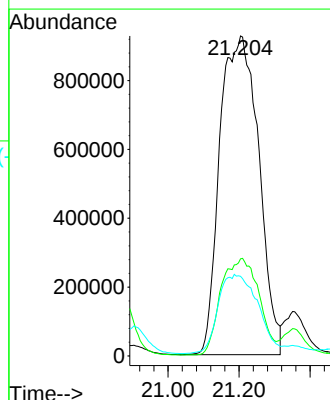
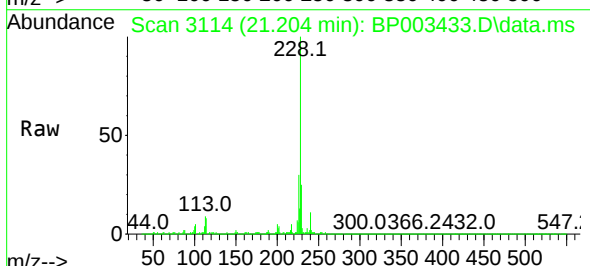
Tgt Ion:228 Resp: 7034086

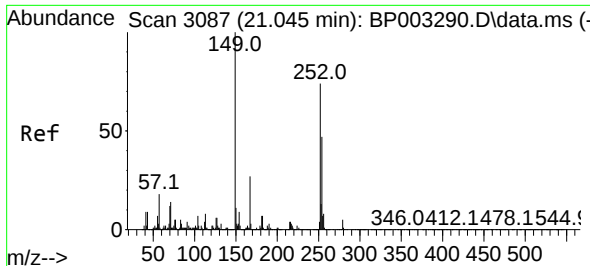
Ion Ratio Lower Upper

228 100

226 30.3 22.1 33.1

229 24.9 15.9 23.9#

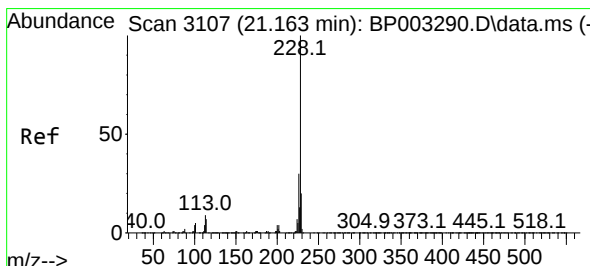
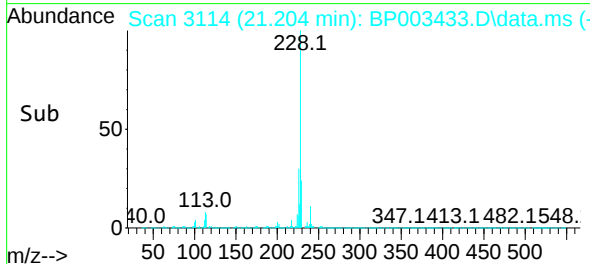
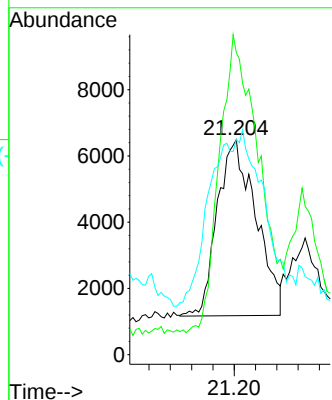
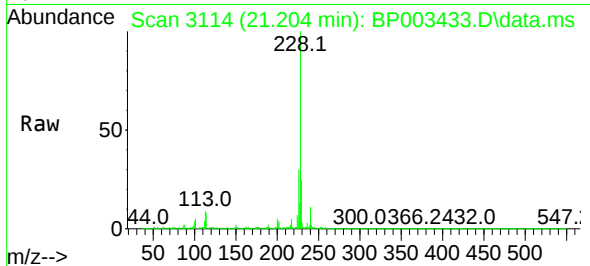




#82
3,3'-Dichlorobenzidine
Concen: 2.10 ng
RT: 21.204 min Scan# 3114
Delta R.T. 0.223 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

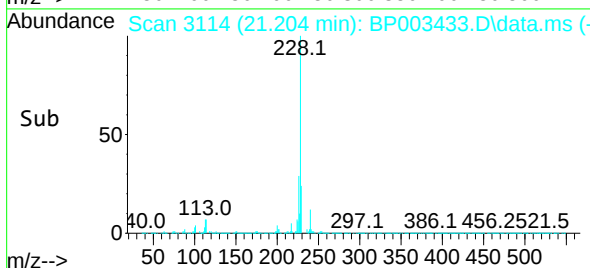
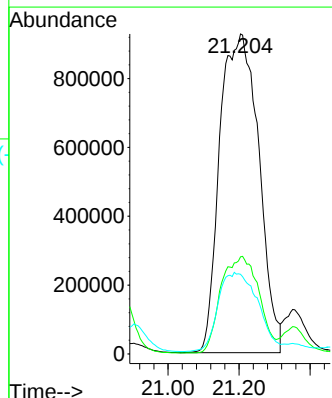
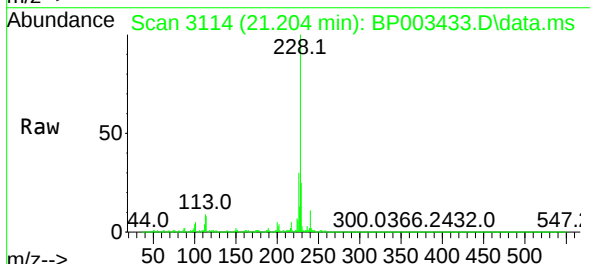
Instrument :
BNA_P
ClientSampleId :
B-13(11-13)

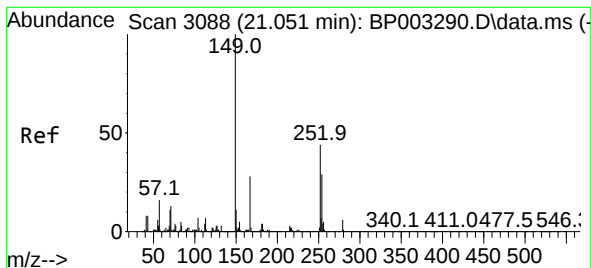
Tgt Ion:252 Resp: 26806
Ion Ratio Lower Upper
252 100
254 140.5 51.0 76.4#
126 100.2 7.9 11.9#



#83
Chrysene
Concen: 221.74 ng
RT: 21.204 min Scan# 3114
Delta R.T. 0.106 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

Tgt Ion:228 Resp: 7034086
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 24.9 15.8 23.6#

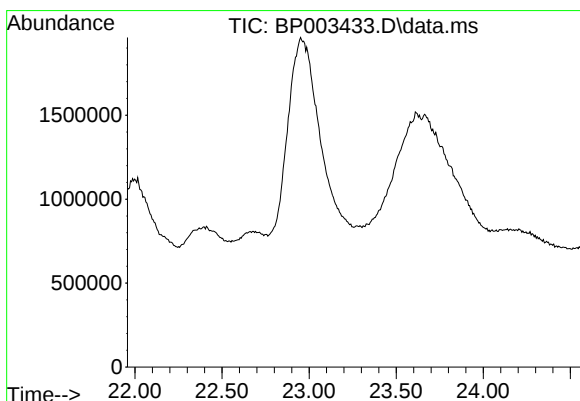
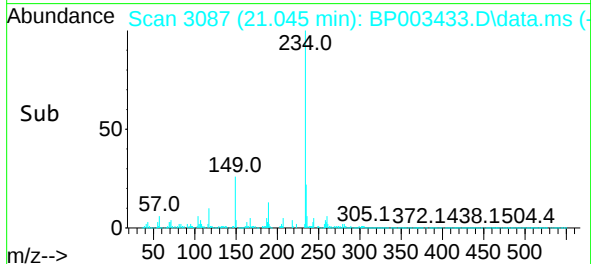
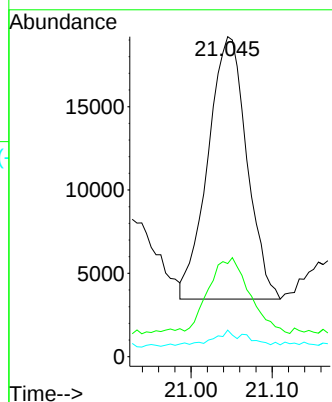
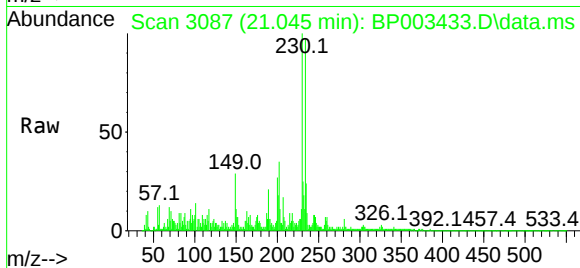




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.55 ng
 RT: 21.045 min Scan# 3087
 Delta R.T. 0.065 min
 Lab File: BP003433.D
 Acq: 01 Oct 2020 02:17

Instrument :
 BNA_P
 ClientSampleId :
 B-13(11-13)

Tgt Ion:	149	Resp:	52390
Ion Ratio	Lower	Upper	
149	100		
167	29.1	22.6	34.0
279	8.3	4.2	6.2#



#86
 Perylene-d12
 Concen: 0.00 ng
 Expected RT: 23.26 min

Lab File: BP003433.D
 Acq: 01 Oct 2020 02:17

Tgt Ion:	264
Sig	Exp Ratio
264	100
260	23.5
265	21.8

