

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
 Data File : BP003431.D
 Acq On : 01 Oct 2020 01:09
 Operator : CG/JU
 Sample : L4193-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-12(9-11)

Quant Time: Oct 01 02:20:10 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)

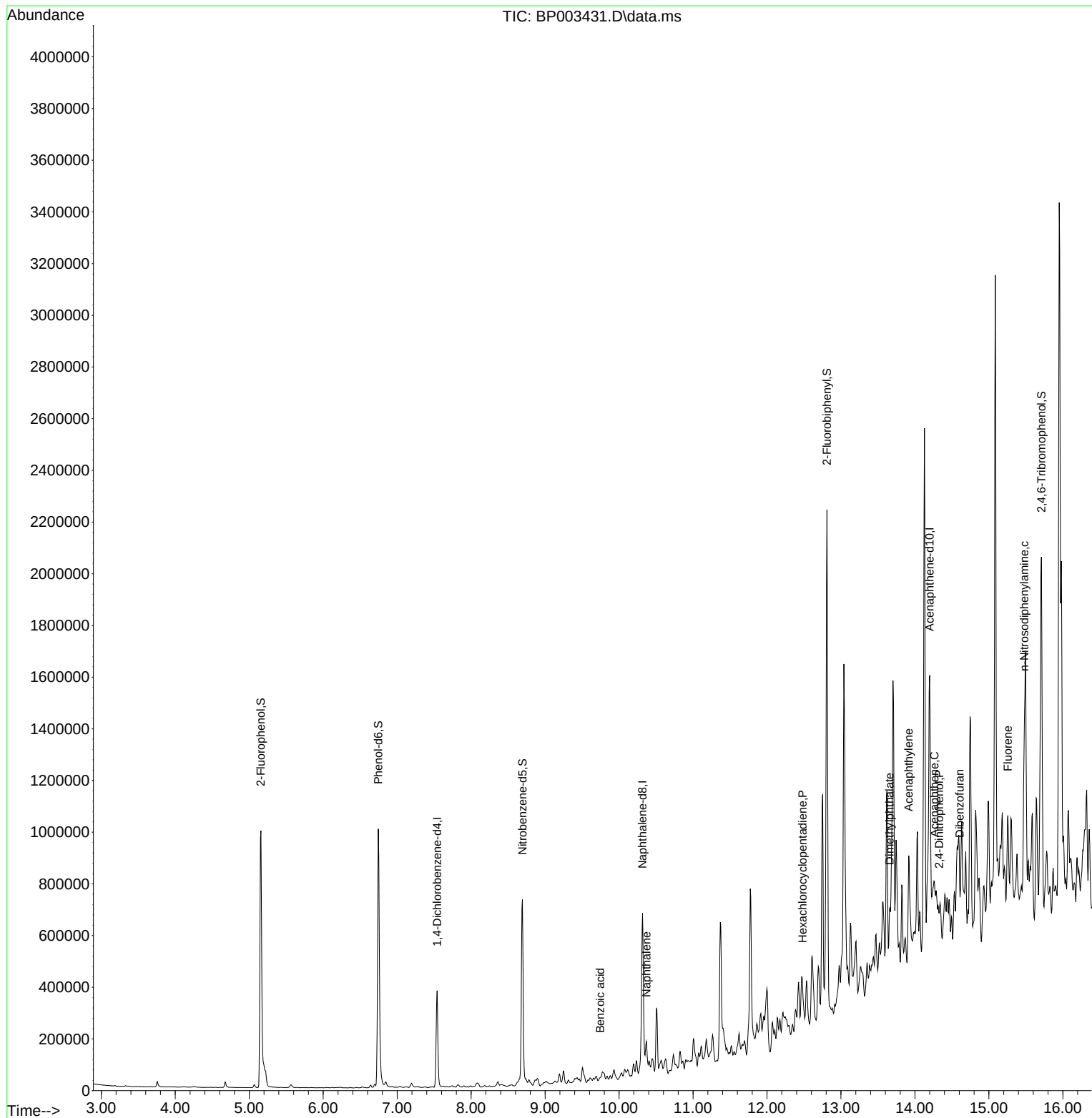
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.540	152	98368	20.00	ng	0.00
21) Naphthalene-d8	10.316	136	410295	20.00	ng	# 0.00
39) Acenaphthene-d10	14.198	164	239932	20.00	ng	0.00
64) Phenanthrene-d10	16.963	188	526257	20.00	ng	# 0.02
76) Chrysene-d12	21.163	240	523331	20.00	ng	0.10
86) Perylene-d12	0.000	264	0	0.00	ng	-23.26
System Monitoring Compounds						
5) 2-Fluorophenol	5.158	112	521530	92.58	ng	0.00
7) Phenol-d6	6.746	99	696031	92.69	ng	0.00
23) Nitrobenzene-d5	8.693	82	460512	65.94	ng	0.00
42) 2,4,6-Tribromophenol	15.710	330	262599	71.76	ng	0.02
45) 2-Fluorobiphenyl	12.810	172	975357	59.45	ng	0.00
79) Terphenyl-d14	19.569	244	1386080	55.18	ng	0.04
Target Compounds						Qvalue
31) Naphthalene	10.369	128	94170	4.34	ng	98
32) Benzoic acid	9.746	122	102	9.18	ng	# 1
41) Hexachlorocyclopentadiene	12.481	237	20	6.85	ng	85
49) Acenaphthylene	13.916	152	149309	6.59	ng	94
50) Dimethylphthalate	13.657	163	79493	4.15	ng	# 96
52) Acenaphthene	14.263	154	68795	4.99	ng	98
54) 2,4-Dinitrophenol	14.328	184	263	7.38	ng	# 1
55) Dibenzofuran	14.604	168	75949	3.45	ng	# 88
58) Fluorene	15.257	166	98023	5.64	ng	# 92
66) n-Nitrosodiphenylamine	15.481	169	62661	4.05	ng	# 45
70) Pentachlorophenol	16.640	266	725	6.97	ng	# 50
71) Phenanthrene	17.010	178	1142111	39.89	ng	99
72) Anthracene	17.098	178	402015	14.25	ng	98
73) Carbazole	17.381	167	147663	5.51	ng	# 91
75) Fluoranthene	19.022	202	2247203	62.42	ng	99
78) Pyrene	19.381	202	2016497	61.78	ng	100
81) Benzo(a)anthracene	21.163	228	1251494	36.99	ng	# 92
83) Chrysene	21.163	228	1251494	38.51	ng	# 95

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

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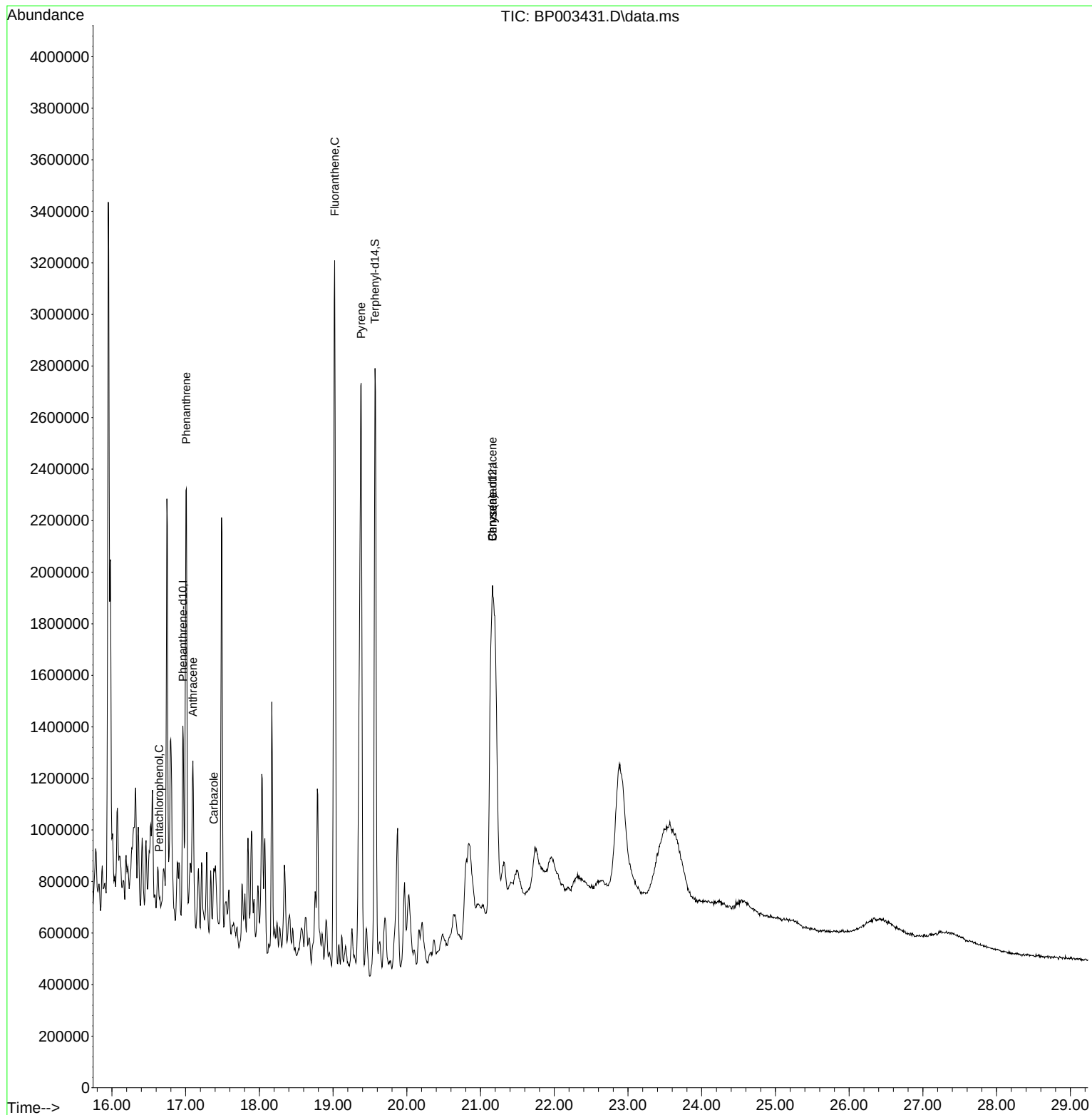
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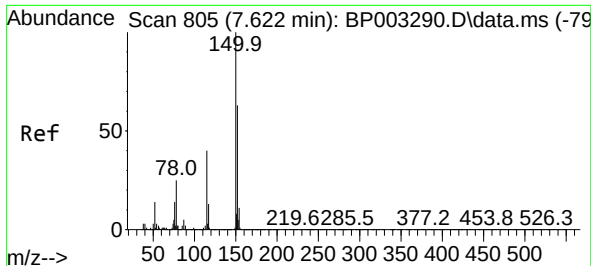


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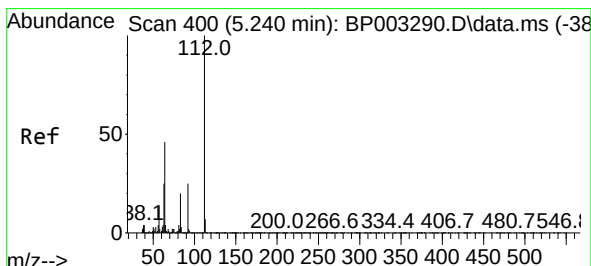
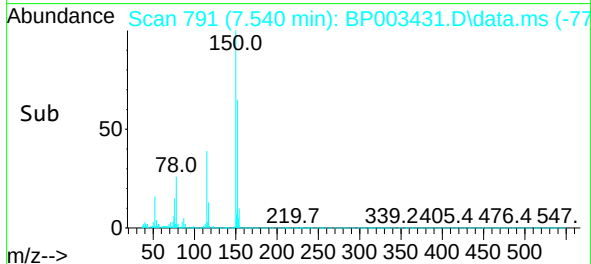
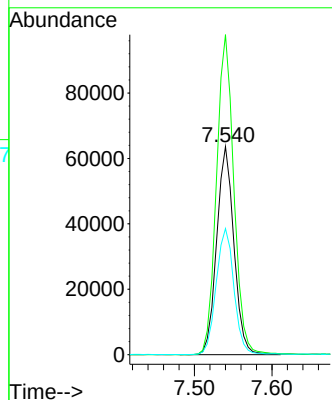
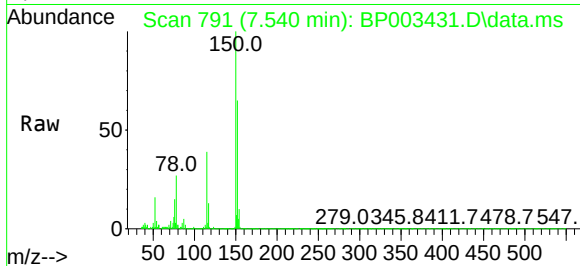




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.540 min Scan# 791
Delta R.T. 0.006 min
Lab File: BP003431.D
Acq: 01 Oct 2020 01:09

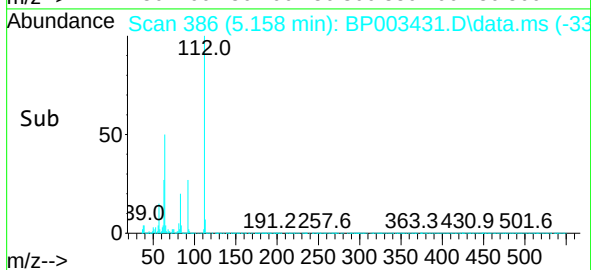
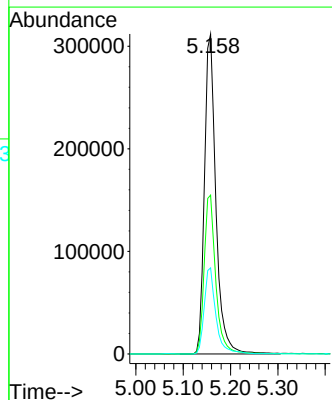
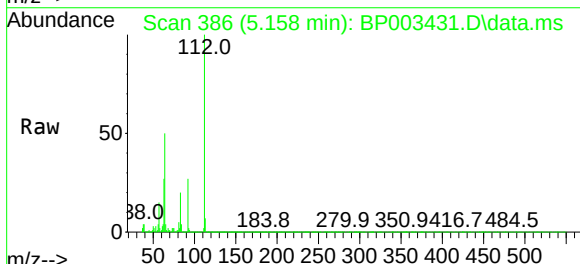
Instrument :
BNA_P
ClientSampleId :
B-12(9-11)

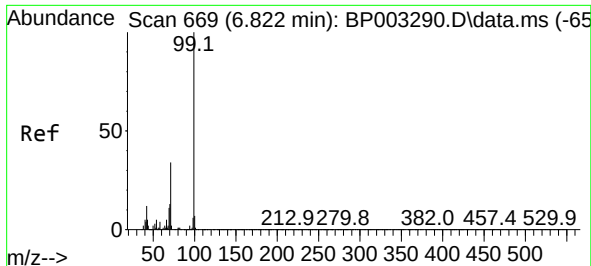
Tgt Ion:152 Resp: 98368
Ion Ratio Lower Upper
152 100
150 153.8 123.8 185.6
115 60.6 43.8 65.6



#5
2-Fluorophenol
Concen: 92.58 ng
RT: 5.158 min Scan# 386
Delta R.T. 0.006 min
Lab File: BP003431.D
Acq: 01 Oct 2020 01:09

Tgt Ion:112 Resp: 521530
Ion Ratio Lower Upper
112 100
64 49.6 32.8 49.2#
63 26.9 17.0 25.4#

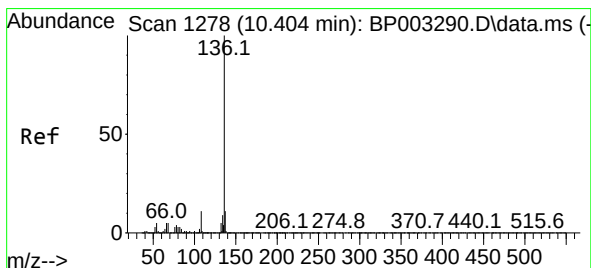
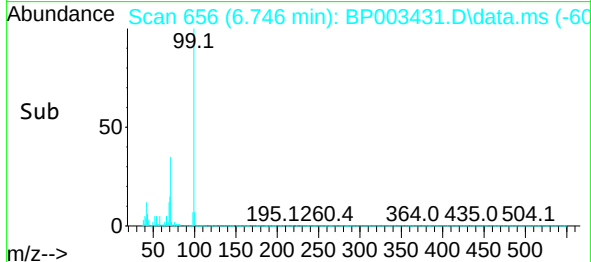
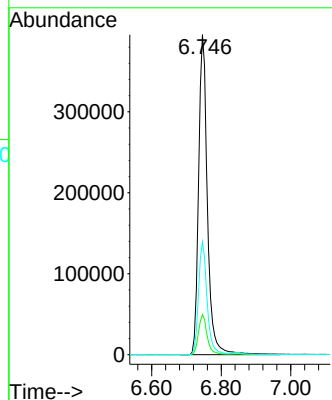
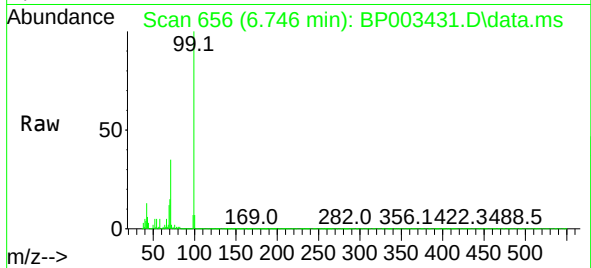




#7
Phenol-d6
Concen: 92.69 ng
RT: 6.746 min Scan# 656
Delta R.T. 0.006 min
Lab File: BP003431.D
Acq: 01 Oct 2020 01:09

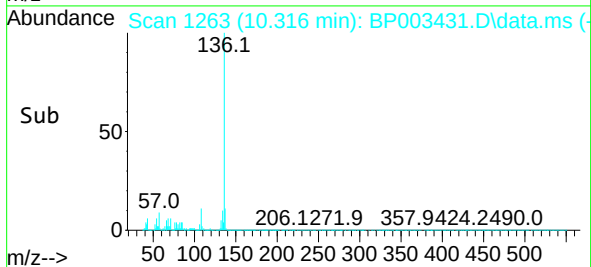
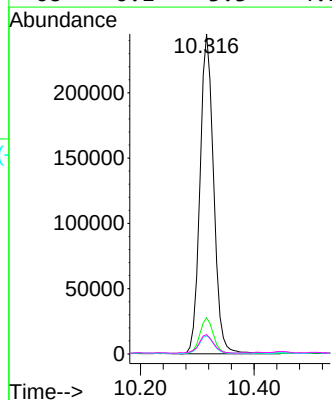
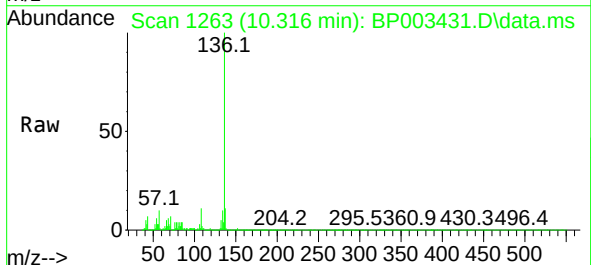
Instrument :
BNA_P
ClientSampleId :
B-12(9-11)

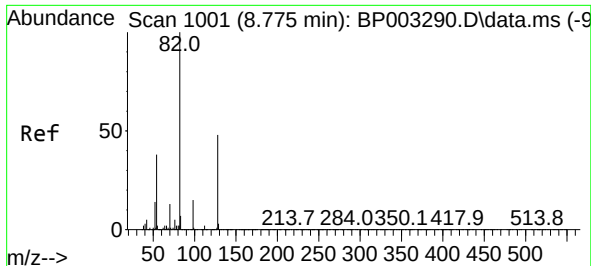
Tgt Ion: 99 Resp: 696031
Ion Ratio Lower Upper
99 100
42 12.5 8.6 13.0
71 35.4 23.4 35.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.316 min Scan# 1263
Delta R.T. 0.006 min
Lab File: BP003431.D
Acq: 01 Oct 2020 01:09

Tgt Ion: 136 Resp: 410295
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 5.7 3.6 5.4#
68 6.1 3.3 4.9#

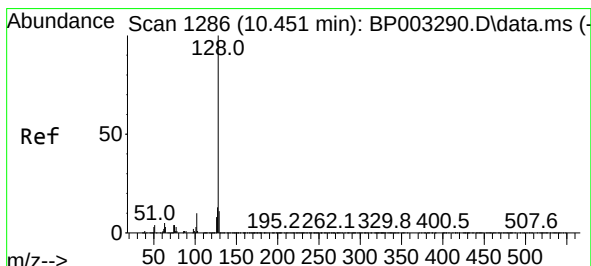
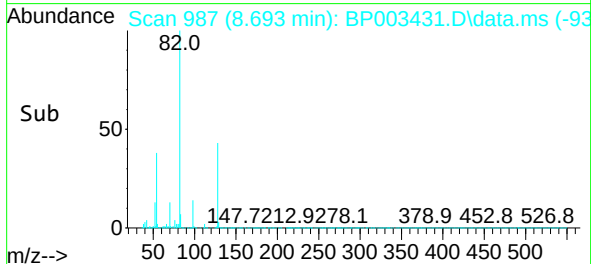
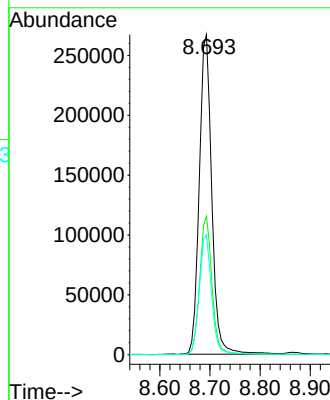
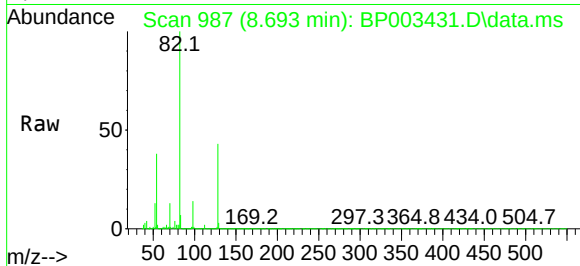




#23
Nitrobenzene-d5
Concen: 65.94 ng
RT: 8.693 min Scan# 987
Delta R.T. 0.006 min
Lab File: BP003431.D
Acq: 01 Oct 2020 01:09

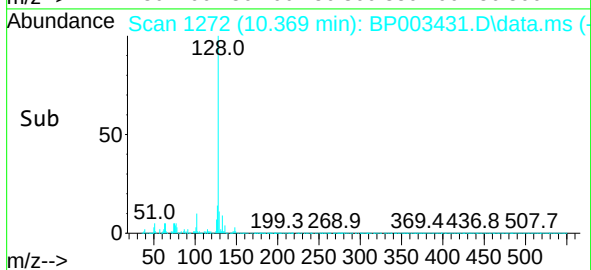
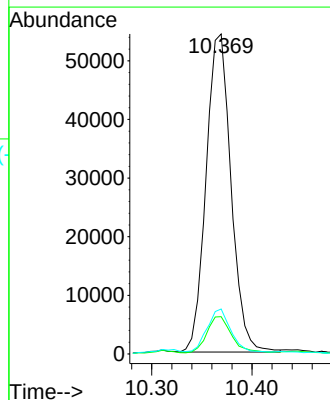
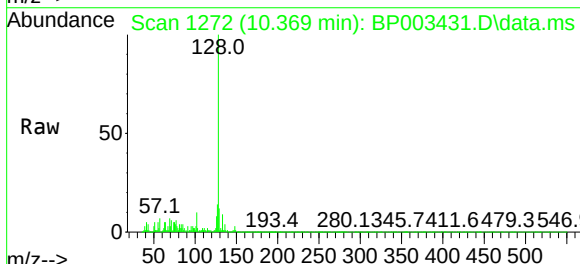
Instrument :
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ClientSampleId :
B-12(9-11)

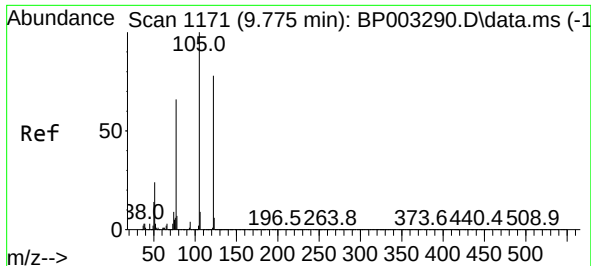
Tgt Ion: 82 Resp: 460512
Ion Ratio Lower Upper
82 100
128 43.3 45.6 68.4#
54 37.5 30.1 45.1



#31
Naphthalene
Concen: 4.34 ng
RT: 10.369 min Scan# 1272
Delta R.T. 0.006 min
Lab File: BP003431.D
Acq: 01 Oct 2020 01:09

Tgt Ion: 128 Resp: 94170
Ion Ratio Lower Upper
128 100
129 11.6 8.8 13.2
127 14.0 10.6 15.8

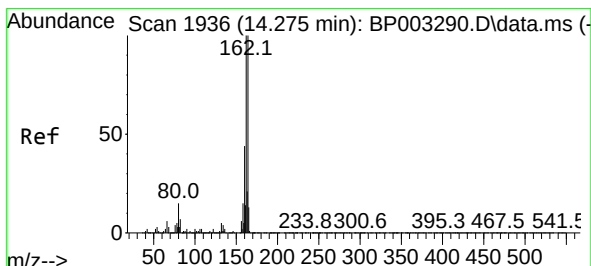
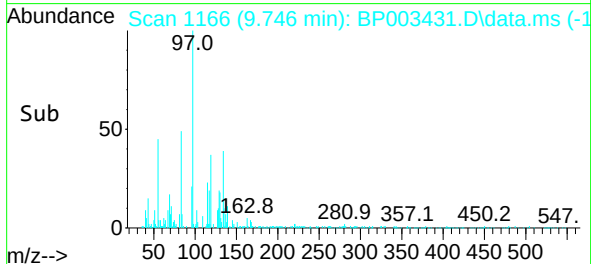
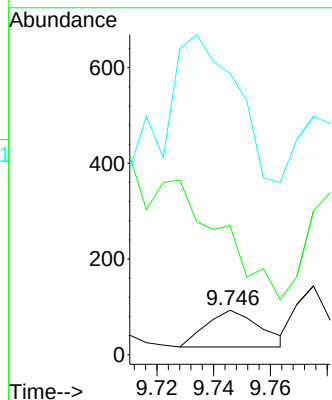
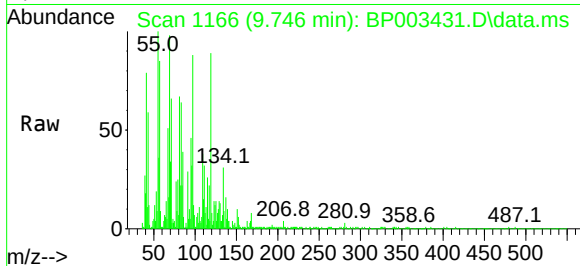




#32
Benzoic acid
Concen: 9.18 ng
RT: 9.746 min Scan# 1166
Delta R.T. 0.029 min
Lab File: BP003431.D
Acq: 01 Oct 2020 01:09

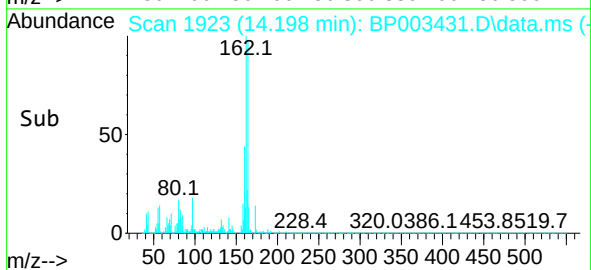
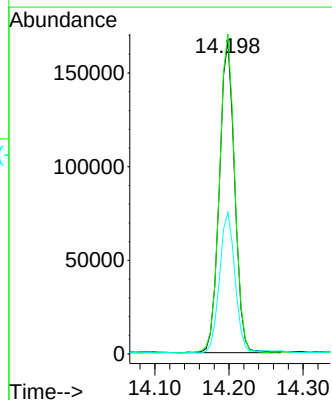
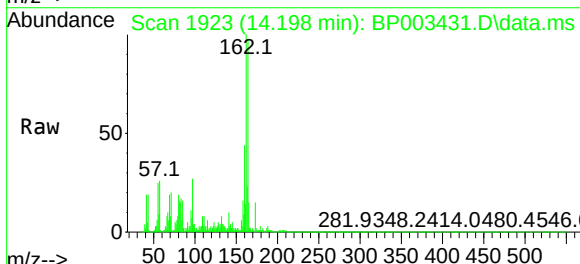
Instrument :
BNA_P
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B-12(9-11)

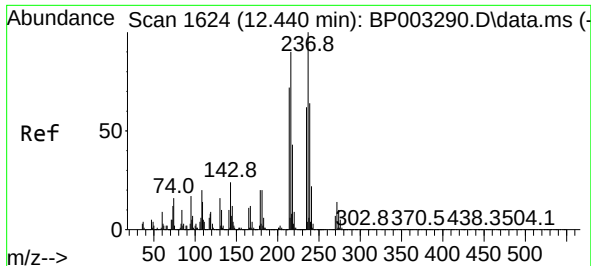
Tgt Ion:122 Resp: 102
Ion Ratio Lower Upper
122 100
105 290.3 94.1 134.1#
77 632.3 50.1 90.1#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.198 min Scan# 1923
Delta R.T. 0.006 min
Lab File: BP003431.D
Acq: 01 Oct 2020 01:09

Tgt Ion:164 Resp: 239932
Ion Ratio Lower Upper
164 100
162 102.1 79.4 119.2
160 45.1 36.1 54.1

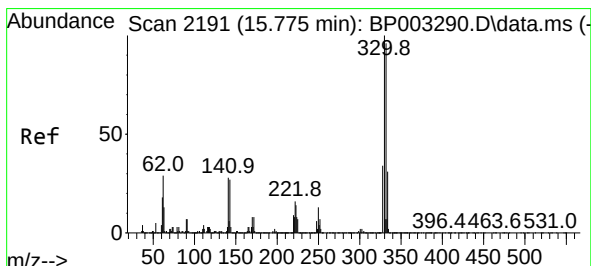
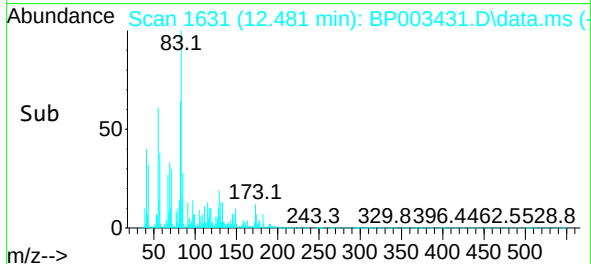
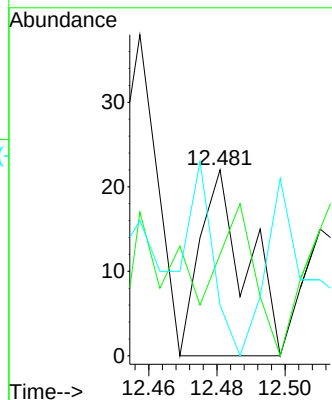
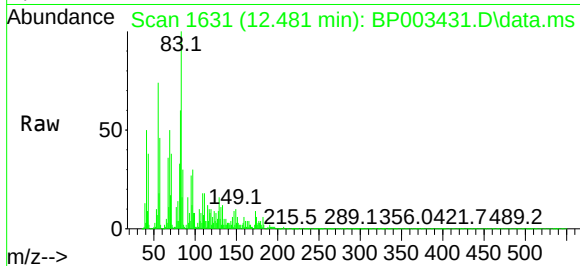




#41
Hexachlorocyclopentadiene
Concen: 6.85 ng
RT: 12.481 min Scan# 1631
Delta R.T. 0.129 min
Lab File: BP003431.D
Acq: 01 Oct 2020 01:09

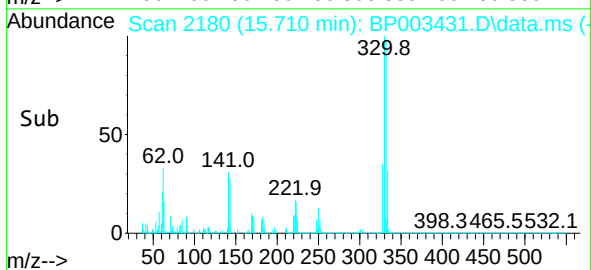
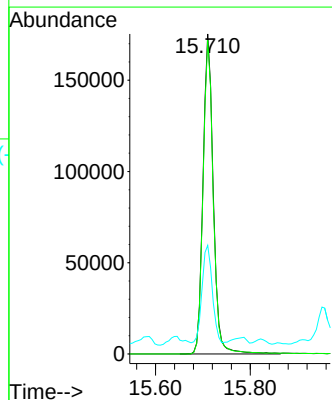
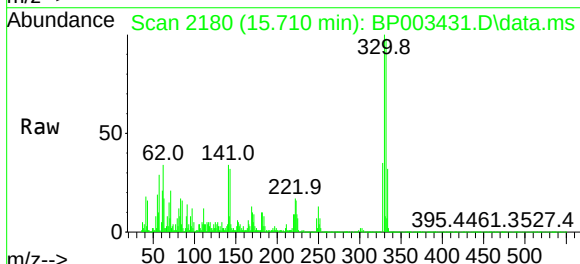
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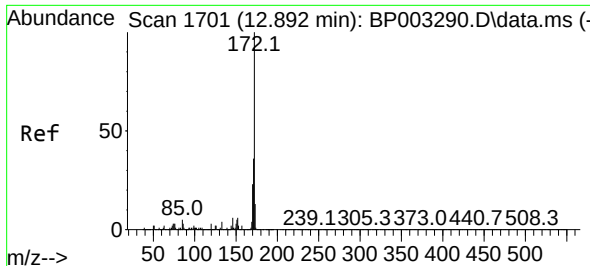
Tgt Ion:	237	Resp:	20
Ion	Ratio	Lower	Upper
237	100		
235	54.5	43.2	83.2
272	27.3	0.0	33.3



#42
2,4,6-Tribromophenol
Concen: 71.76 ng
RT: 15.710 min Scan# 2180
Delta R.T. 0.018 min
Lab File: BP003431.D
Acq: 01 Oct 2020 01:09

Tgt Ion:	330	Resp:	262599
Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.1	115.7
141	31.2	23.4	35.2

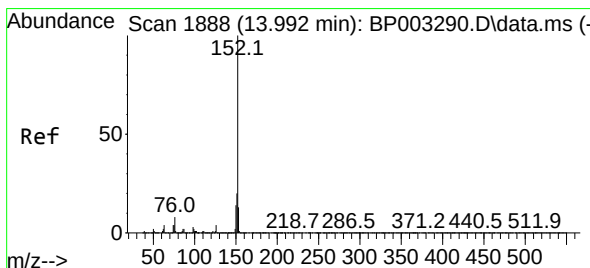
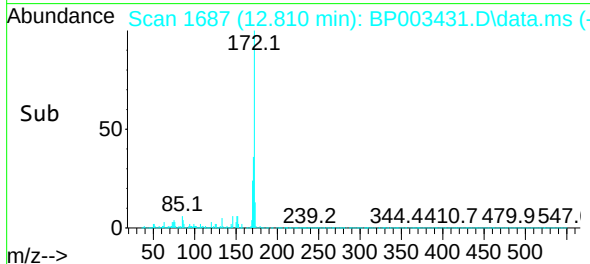
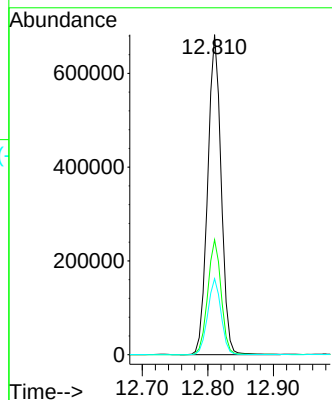
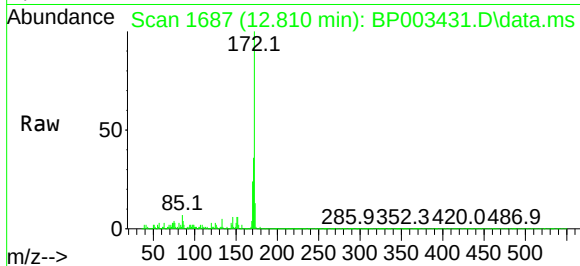




#45
2-Fluorobiphenyl
Concen: 59.45 ng
RT: 12.810 min Scan# 1687
Delta R.T. 0.006 min
Lab File: BP003431.D
Acq: 01 Oct 2020 01:09

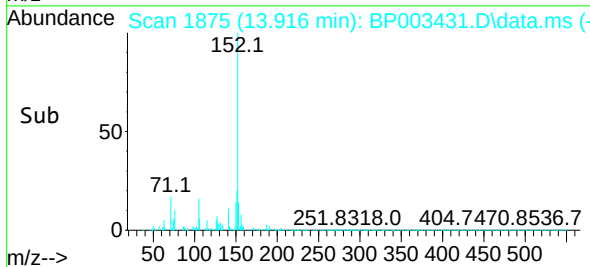
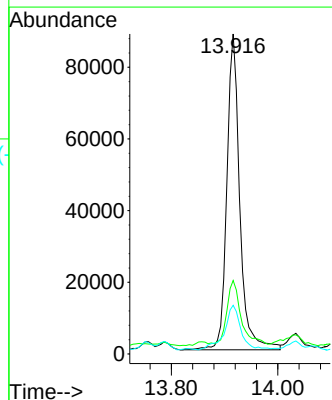
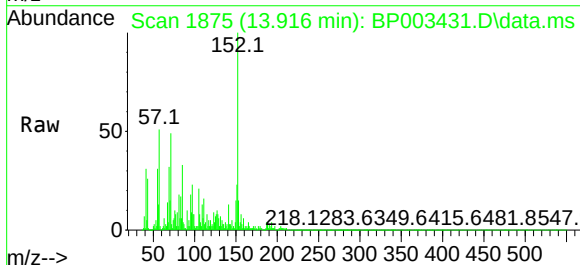
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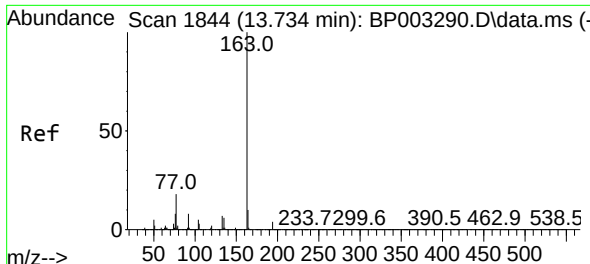
Tgt Ion:172 Resp: 975357
Ion Ratio Lower Upper
172 100
171 35.9 28.5 42.7
170 23.8 19.2 28.8



#49
Acenaphthylene
Concen: 6.59 ng
RT: 13.916 min Scan# 1875
Delta R.T. 0.006 min
Lab File: BP003431.D
Acq: 01 Oct 2020 01:09

Tgt Ion:152 Resp: 149309
Ion Ratio Lower Upper
152 100
151 22.9 15.9 23.9
153 15.2 10.5 15.7

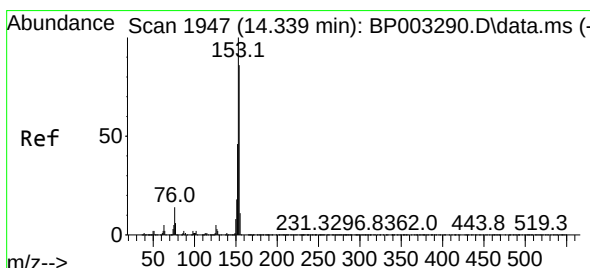
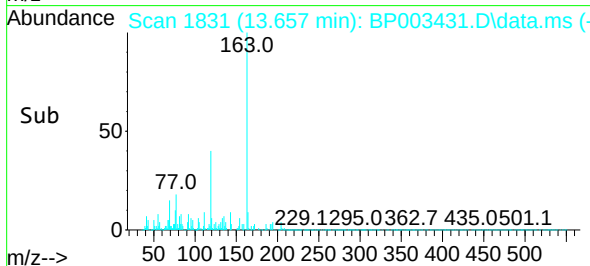
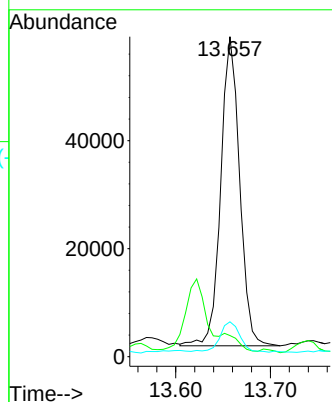
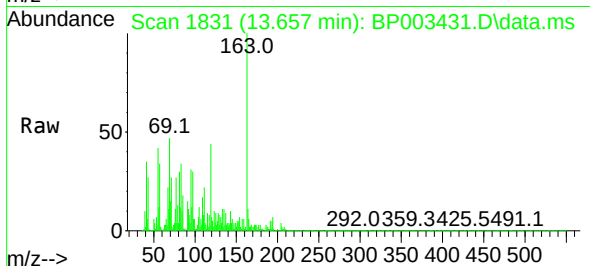




#50
Dimethylphthalate
Concen: 4.15 ng
RT: 13.657 min Scan# 1831
Delta R.T. 0.000 min
Lab File: BP003431.D
Acq: 01 Oct 2020 01:09

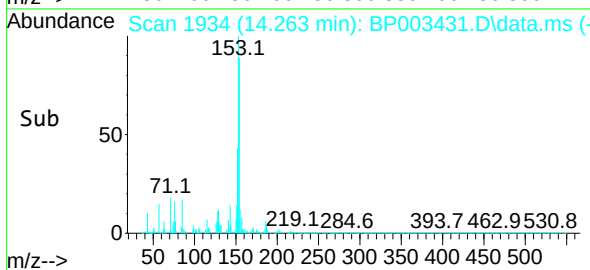
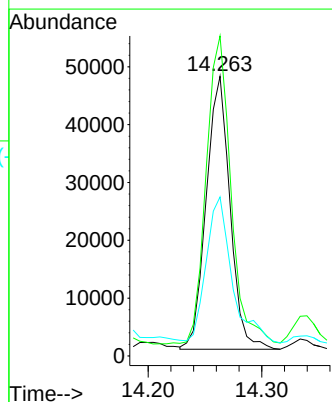
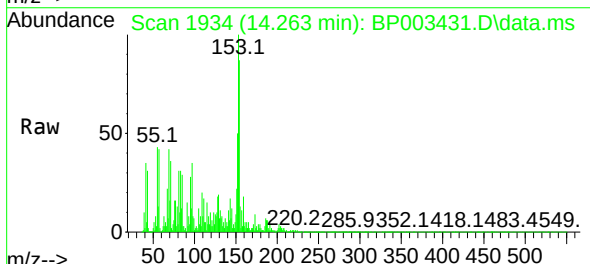
Instrument :
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ClientSampleId :
B-12(9-11)

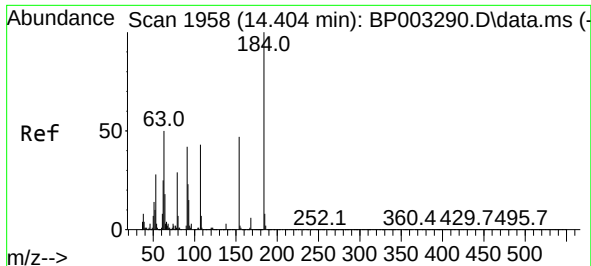
Tgt Ion:163 Resp: 79493
Ion Ratio Lower Upper
163 100
194 6.6 3.3 4.9#
164 10.9 8.2 12.2



#52
Acenaphthene
Concen: 4.99 ng
RT: 14.263 min Scan# 1934
Delta R.T. 0.006 min
Lab File: BP003431.D
Acq: 01 Oct 2020 01:09

Tgt Ion:154 Resp: 68795
Ion Ratio Lower Upper
154 100
153 114.4 91.0 136.6
152 56.8 43.0 64.6

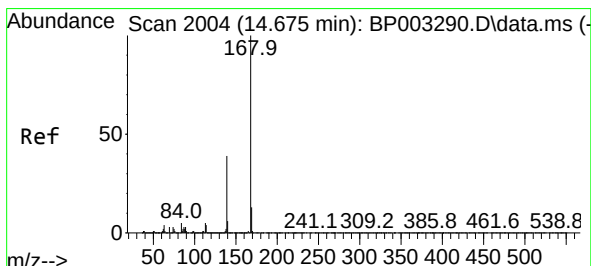
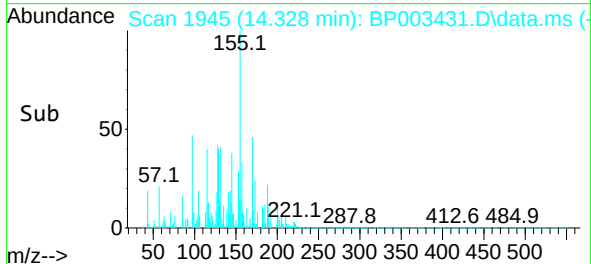
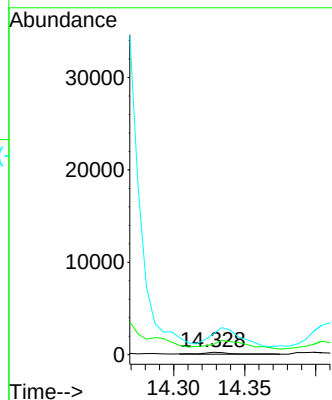
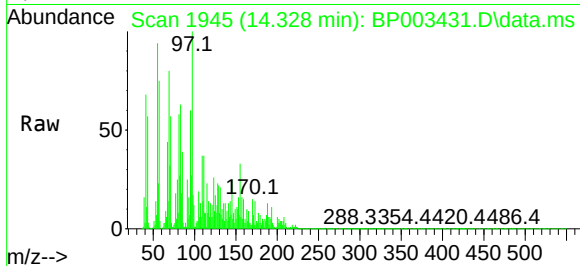




#54
2,4-Dinitrophenol
Concen: 7.38 ng
RT: 14.328 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BP003431.D
Acq: 01 Oct 2020 01:09

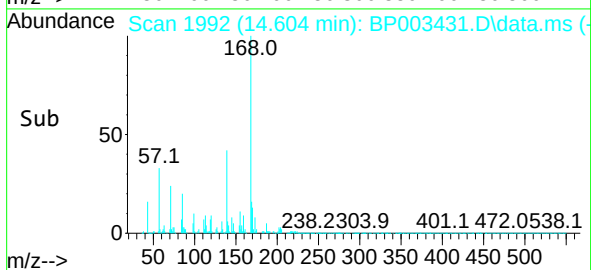
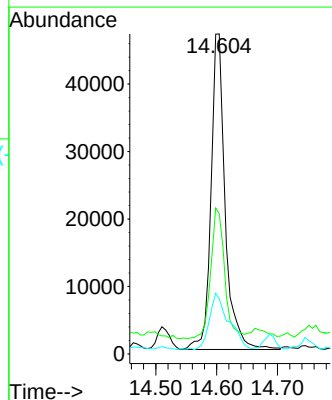
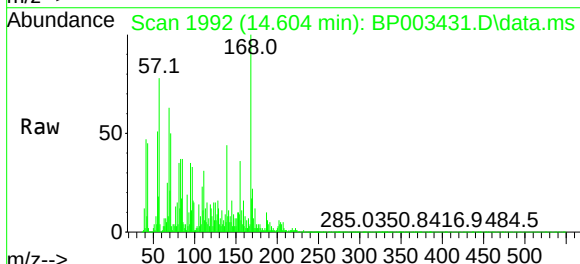
Instrument :
BNA_P
ClientSampleId :
B-12(9-11)

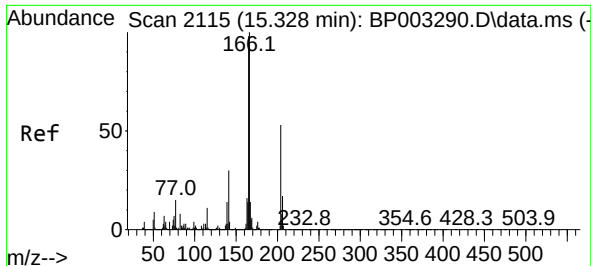
Tgt Ion:184 Resp: 263
Ion Ratio Lower Upper
184 100
63 429.2 32.3 48.5#
154 872.4 49.1 73.7#



#55
Dibenzofuran
Concen: 3.45 ng
RT: 14.604 min Scan# 1992
Delta R.T. 0.006 min
Lab File: BP003431.D
Acq: 01 Oct 2020 01:09

Tgt Ion:168 Resp: 75949
Ion Ratio Lower Upper
168 100
139 43.9 29.1 43.7#
169 17.3 10.4 15.6#

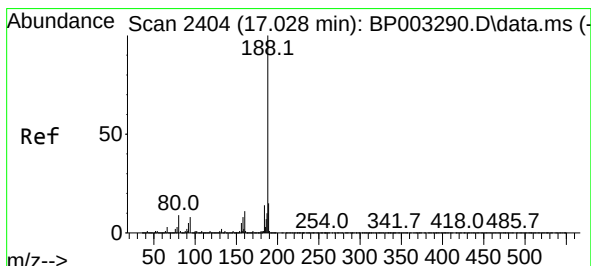
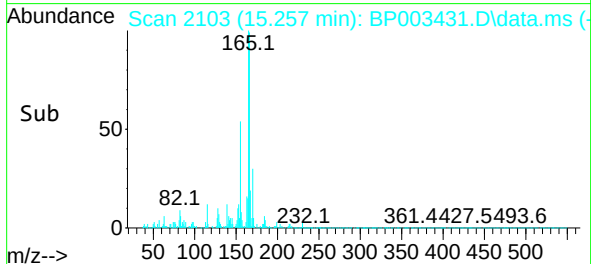
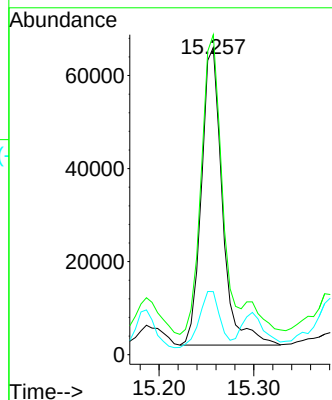
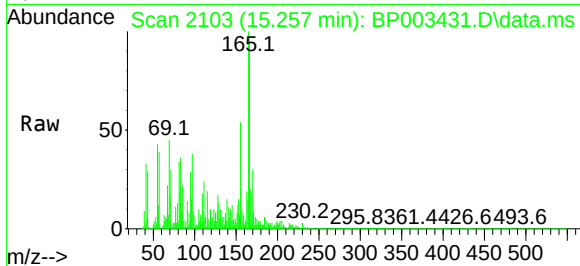




#58
Fluorene
Concen: 5.64 ng
RT: 15.257 min Scan# 2103
Delta R.T. 0.006 min
Lab File: BP003431.D
Acq: 01 Oct 2020 01:09

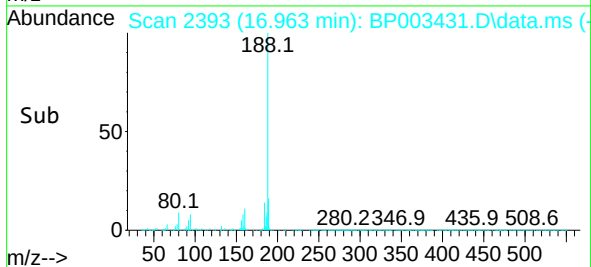
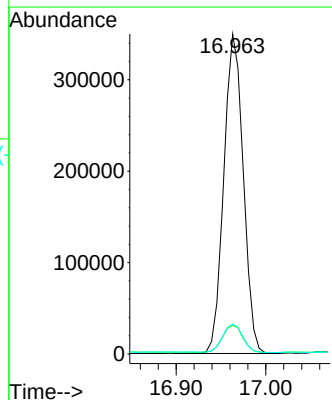
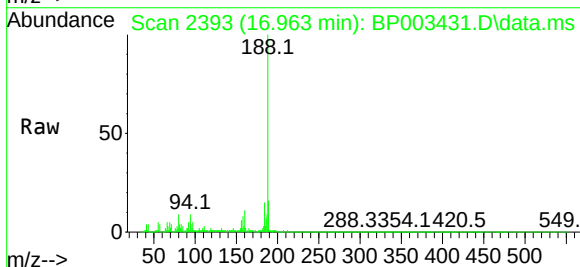
Instrument :
BNA_P
ClientSampleId :
B-12(9-11)

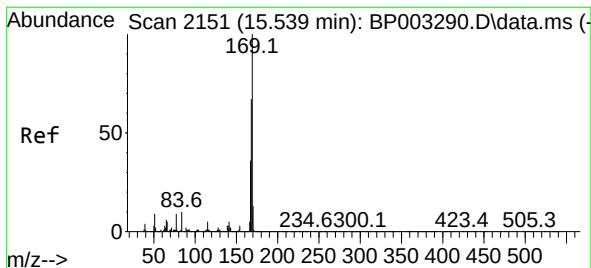
Tgt Ion:166 Resp: 98023
Ion Ratio Lower Upper
166 100
165 104.2 77.8 116.8
167 20.5 11.0 16.4#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.963 min Scan# 2393
Delta R.T. 0.018 min
Lab File: BP003431.D
Acq: 01 Oct 2020 01:09

Tgt Ion:188 Resp: 526257
Ion Ratio Lower Upper
188 100
94 8.9 6.2 9.2
80 9.4 6.2 9.2#

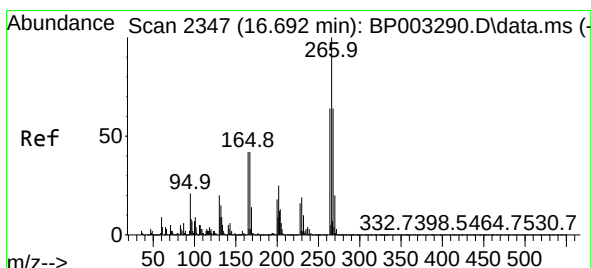
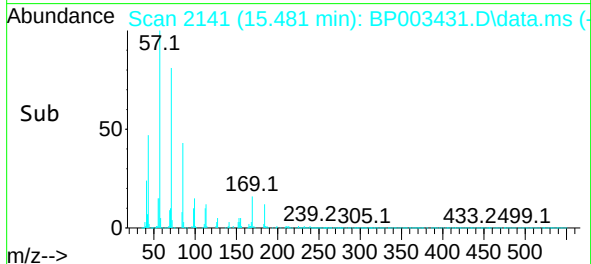
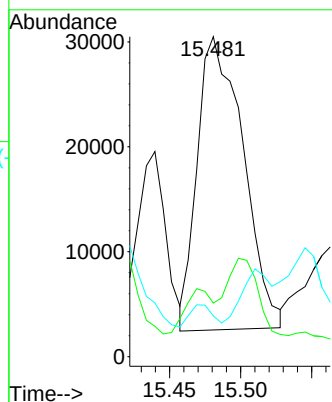
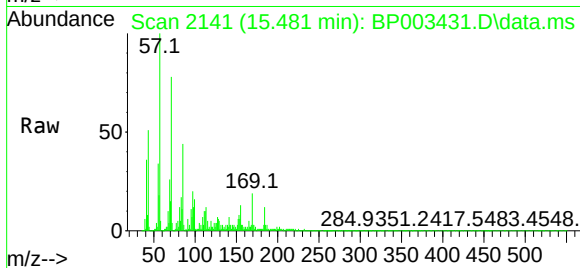




#66
n-Nitrosodiphenylamine
Concen: 4.05 ng
RT: 15.481 min Scan# 2141
Delta R.T. 0.018 min
Lab File: BP003431.D
Acq: 01 Oct 2020 01:09

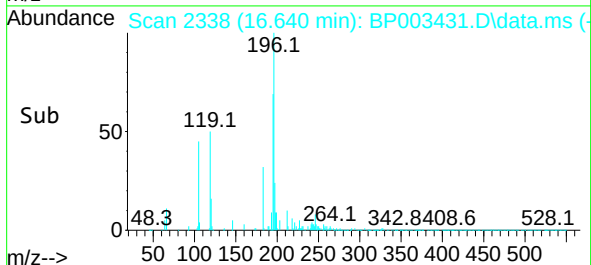
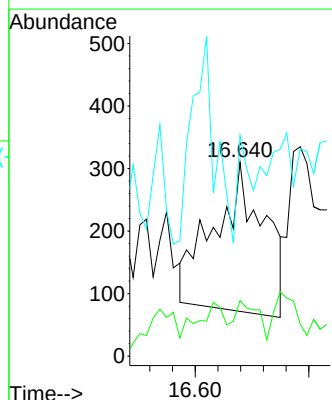
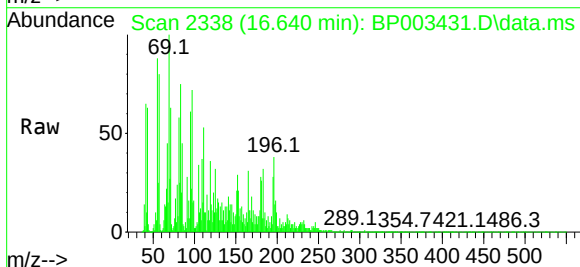
Instrument :
BNA_P
ClientSampleId :
B-12(9-11)

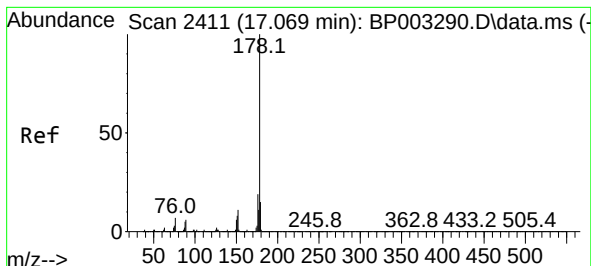
Tgt Ion:	169	Resp:	62661
Ion Ratio	Lower	Upper	
169	100		
168	16.8	53.8	80.6#
167	12.8	28.9	43.3#



#70
Pentachlorophenol
Concen: 6.97 ng
RT: 16.640 min Scan# 2338
Delta R.T. 0.018 min
Lab File: BP003431.D
Acq: 01 Oct 2020 01:09

Tgt Ion:	266	Resp:	725
Ion Ratio	Lower	Upper	
266	100		
268	36.5	51.1	76.7#
264	113.9	50.6	76.0#

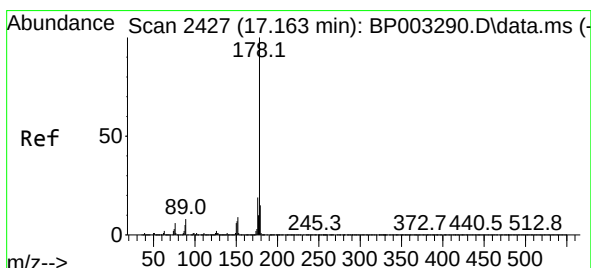
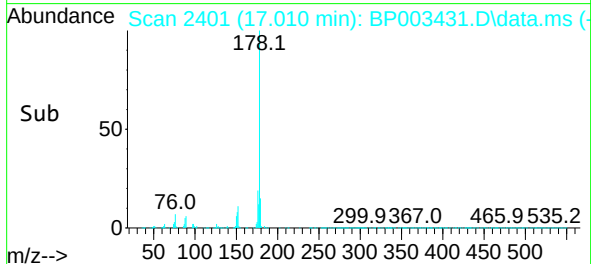
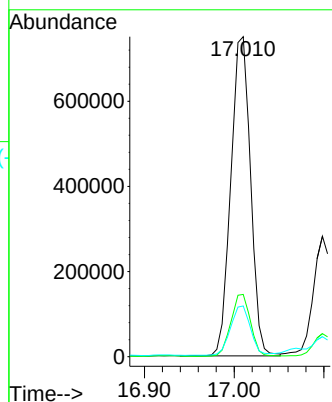
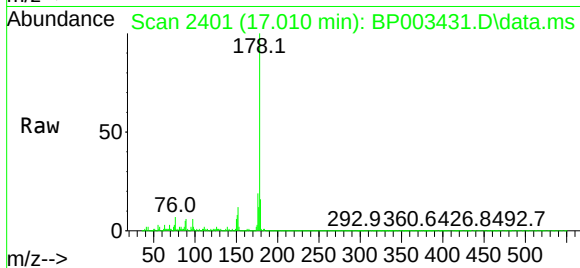




#71
Phenanthrene
Concen: 39.89 ng
RT: 17.010 min Scan# 2401
Delta R.T. 0.018 min
Lab File: BP003431.D
Acq: 01 Oct 2020 01:09

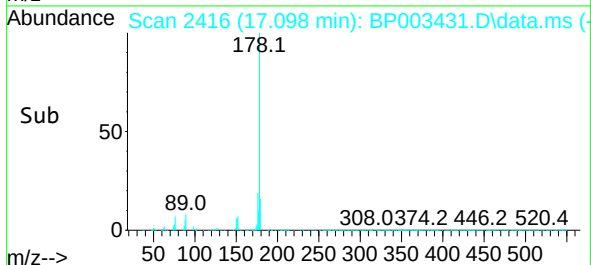
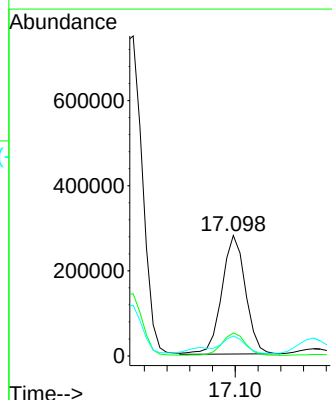
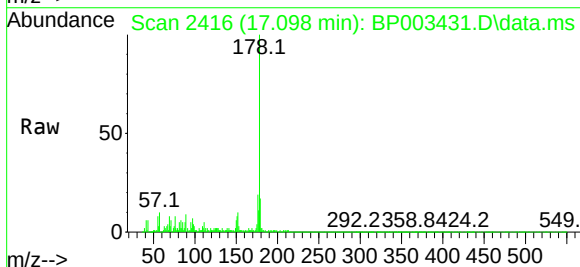
Instrument :
BNA_P
ClientSampleId :
B-12(9-11)

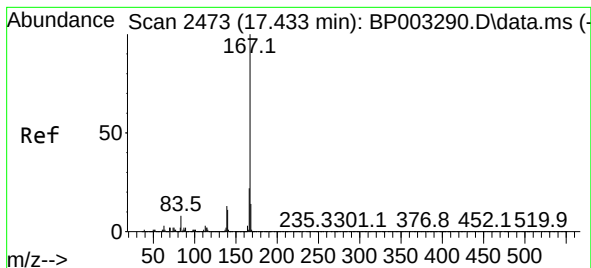
Tgt Ion:178 Resp: 1142111
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.9 12.5 18.7



#72
Anthracene
Concen: 14.25 ng
RT: 17.098 min Scan# 2416
Delta R.T. 0.018 min
Lab File: BP003431.D
Acq: 01 Oct 2020 01:09

Tgt Ion:178 Resp: 402015
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.4
179 16.6 12.5 18.7





#73

Carbazole

Concen: 5.51 ng

RT: 17.381 min Scan# 2464

Delta R.T. 0.018 min

Lab File: BP003431.D

Acq: 01 Oct 2020 01:09

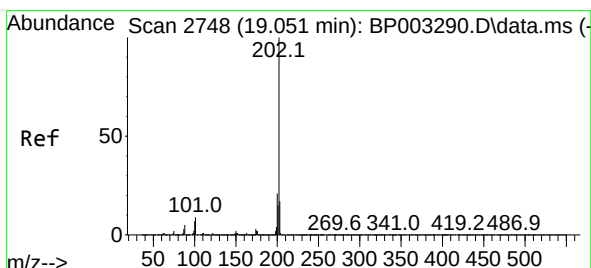
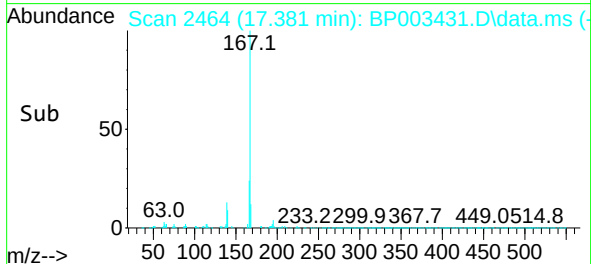
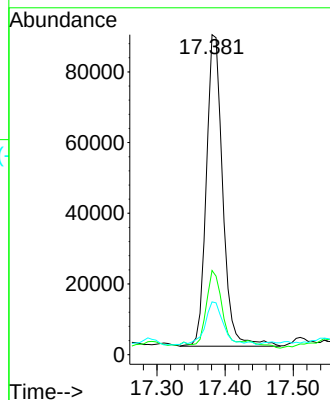
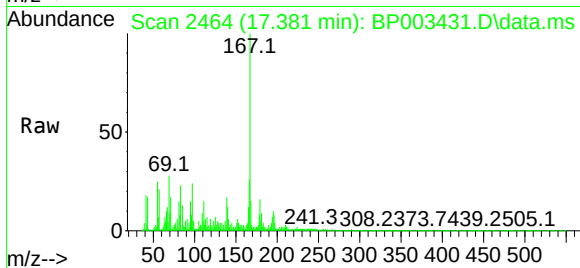
Instrument :

BNA_P

ClientSampleId :

B-12(9-11)

Tgt Ion:167	Resp: 147663
Ion Ratio	Lower Upper
167 100	
166 26.3	17.6 26.4
139 16.5	10.2 15.4#



#75

Fluoranthene

Concen: 62.42 ng

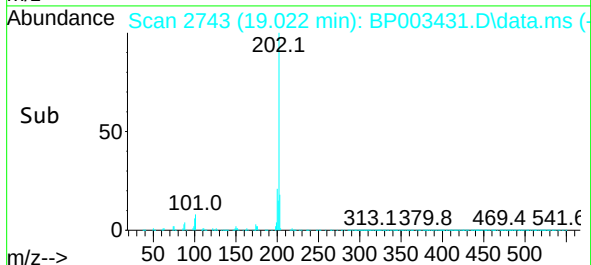
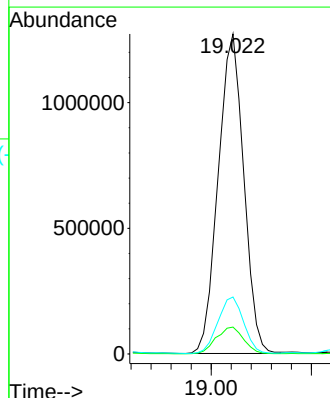
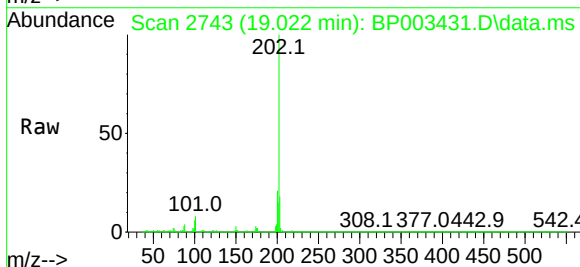
RT: 19.022 min Scan# 2743

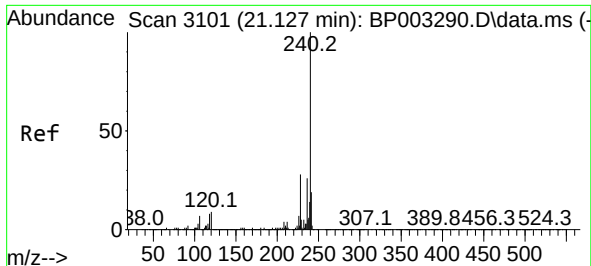
Delta R.T. 0.041 min

Lab File: BP003431.D

Acq: 01 Oct 2020 01:09

Tgt Ion:202	Resp: 2247203
Ion Ratio	Lower Upper
202 100	
101 8.4	0.0 29.4
203 17.8	0.0 37.8

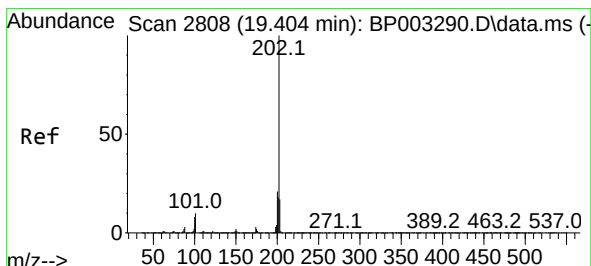
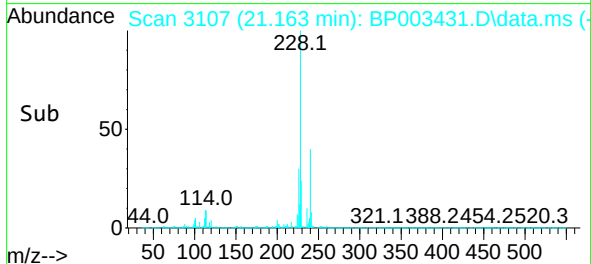
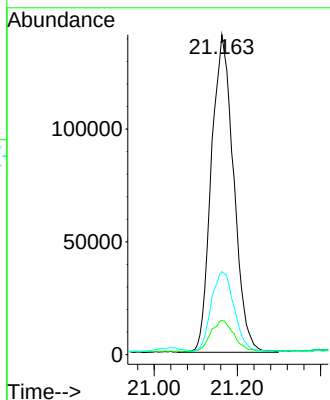
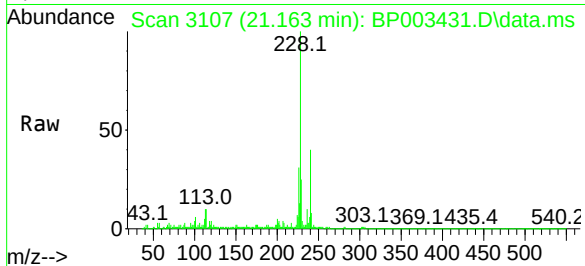




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.163 min Scan# 3107
Delta R.T. 0.100 min
Lab File: BP003431.D
Acq: 01 Oct 2020 01:09

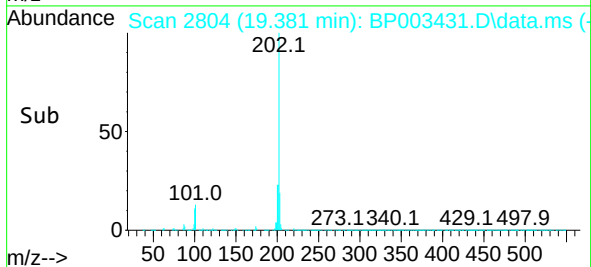
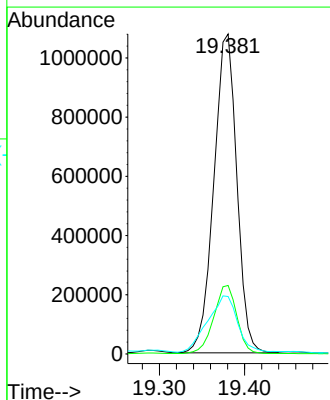
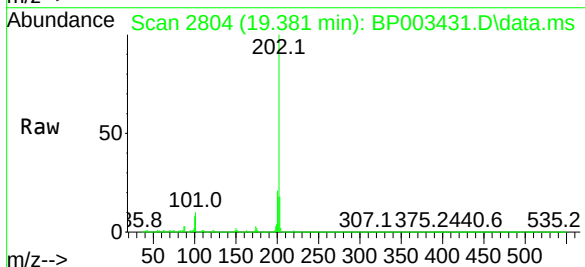
Instrument :
BNA_P
ClientSampleId :
B-12(9-11)

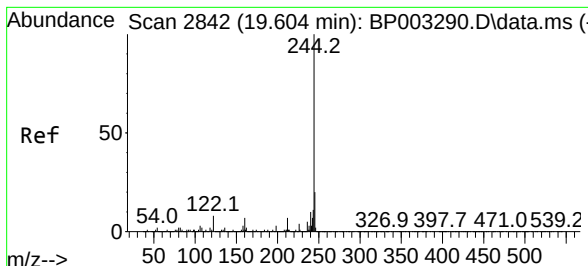
Tgt Ion:240 Resp: 523331
Ion Ratio Lower Upper
240 100
120 10.7 7.8 11.6
236 26.0 20.8 31.2



#78
Pyrene
Concen: 61.78 ng
RT: 19.381 min Scan# 2804
Delta R.T. 0.047 min
Lab File: BP003431.D
Acq: 01 Oct 2020 01:09

Tgt Ion:202 Resp: 2016497
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 17.9 14.2 21.2





#79

Terphenyl-d14

Concen: 55.18 ng

RT: 19.569 min Scan# 2836

Delta R.T. 0.035 min

Lab File: BP003431.D

Acq: 01 Oct 2020 01:09

Instrument :

BNA_P

ClientSampleId :

B-12(9-11)

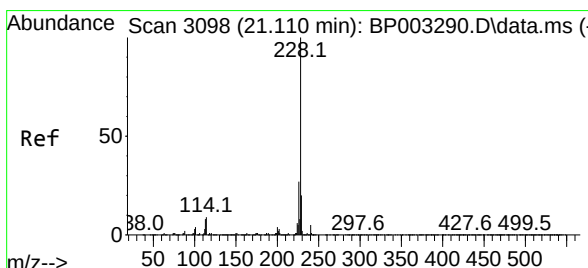
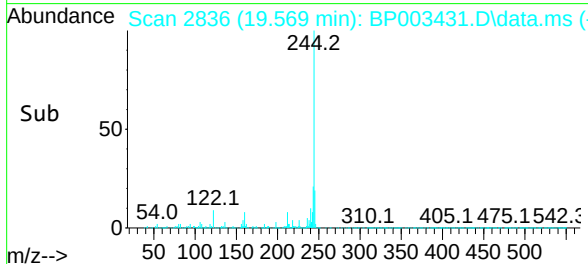
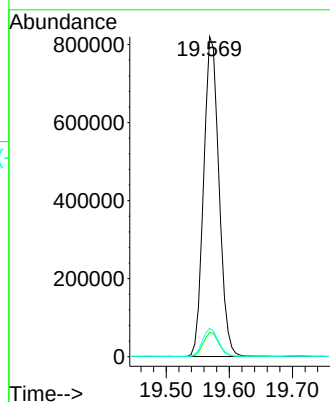
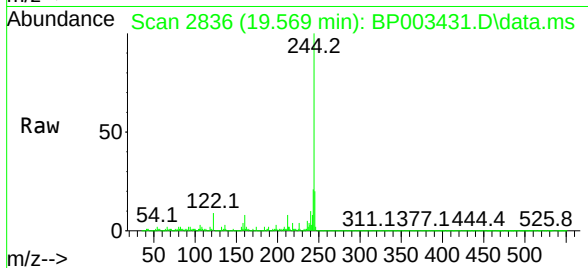
Tgt Ion:244 Resp: 1386080

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

122 8.9 7.8 11.8



#81

Benzo(a)anthracene

Concen: 36.99 ng

RT: 21.163 min Scan# 3107

Delta R.T. 0.118 min

Lab File: BP003431.D

Acq: 01 Oct 2020 01:09

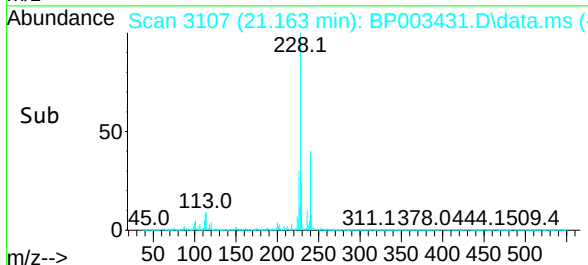
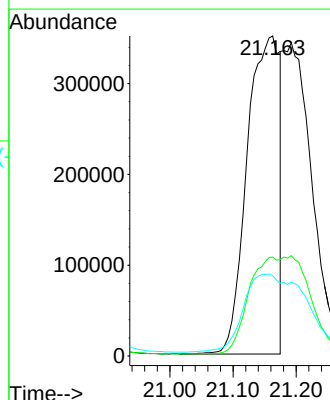
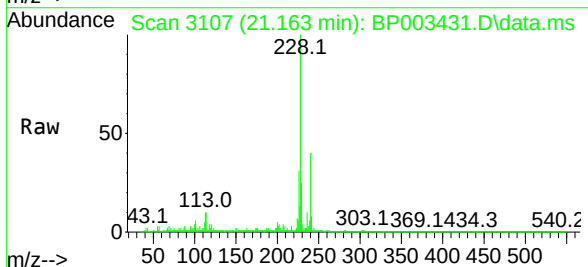
Tgt Ion:228 Resp: 1251494

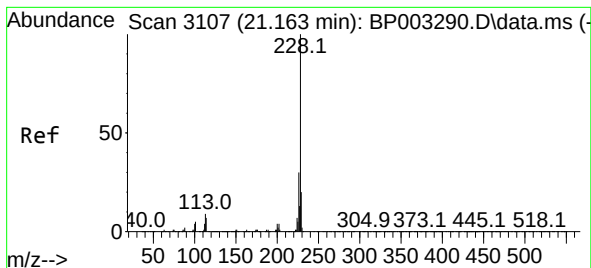
Ion Ratio Lower Upper

228 100

226 30.9 22.1 33.1

229 25.1 15.9 23.9#



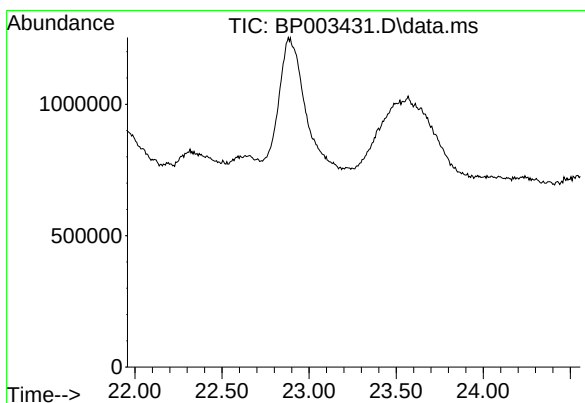
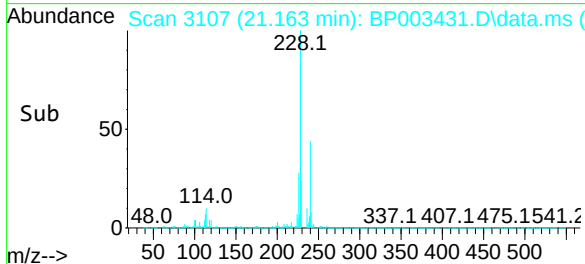
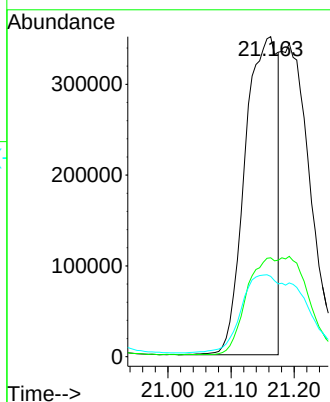
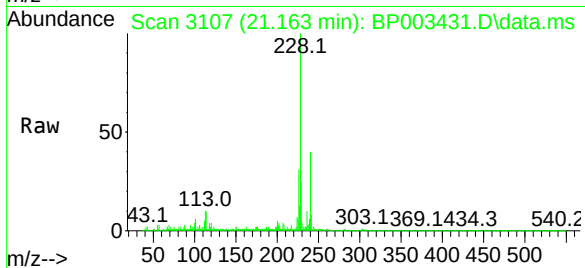


#83
 Chrysene
 Concen: 38.51 ng
 RT: 21.163 min Scan# 3107
 Delta R.T. 0.065 min
 Lab File: BP003431.D
 Acq: 01 Oct 2020 01:09

Instrument :
 BNA_P
 ClientSampled :
 B-12(9-11)

Tgt Ion: 228 Resp: 1251494

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.4	36.6
229	25.1	15.8	23.6



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

Lab File: BP003431.D
 Acq: 01 Oct 2020 01:09

Tgt Ion: 264

Sig	Exp Ratio
264	100
260	23.5
265	21.8

