

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
 Data File : BP003424.D
 Acq On : 30 Sep 2020 21:11
 Operator : CG/JU
 Sample : L4179-05 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-10(4-5)

Quant Time: Oct 01 02:17:37 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)

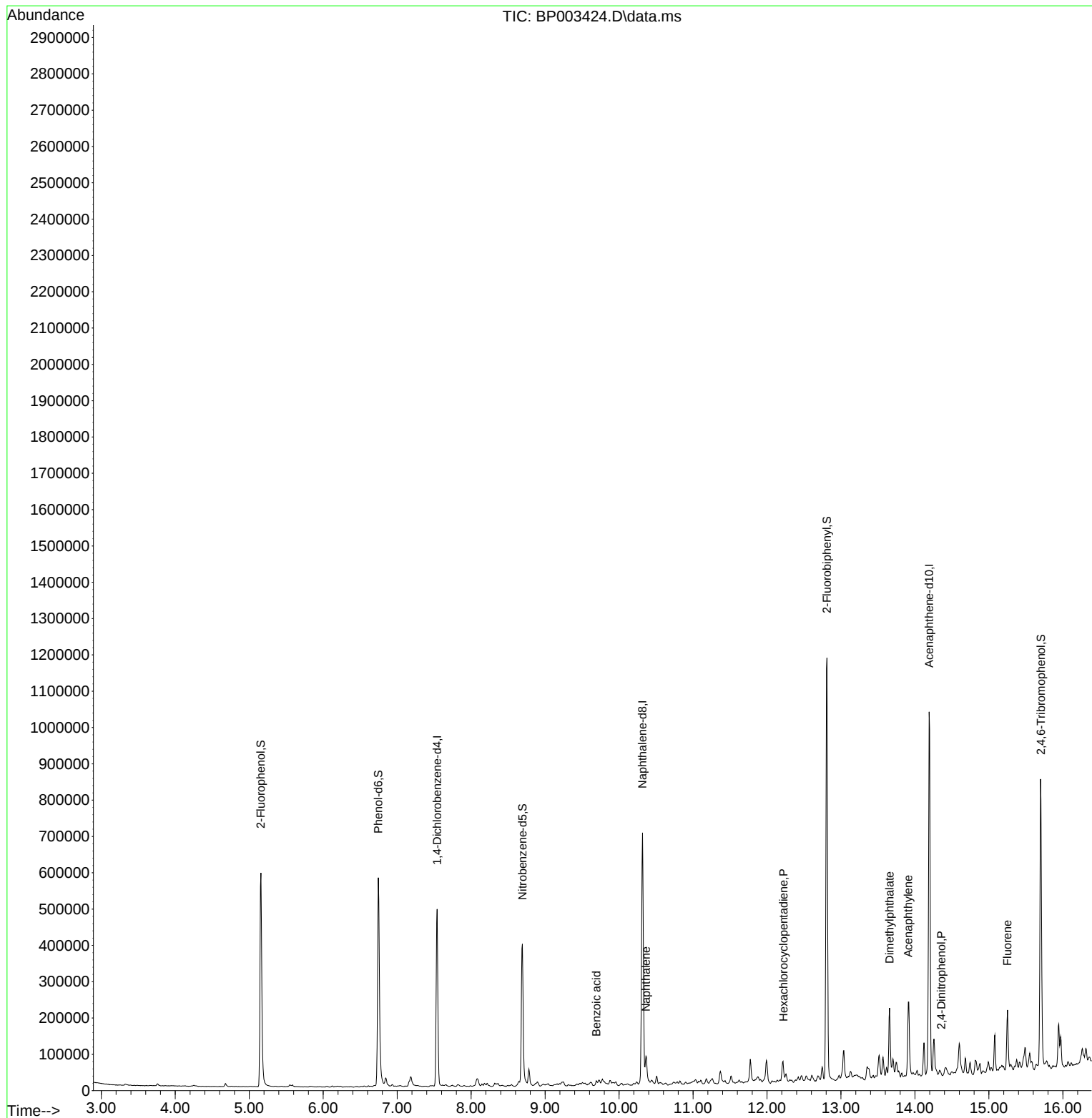
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.540	152	132571	20.00	ng	0.00
21) Naphthalene-d8	10.316	136	545815	20.00	ng	# 0.00
39) Acenaphthene-d10	14.193	164	334084	20.00	ng	0.00
64) Phenanthrene-d10	16.957	188	690797	20.00	ng	# 0.01
76) Chrysene-d12	21.116	240	531494	20.00	ng	0.05
86) Perylene-d12	23.539	264	462531	20.00	ng	# 0.28
System Monitoring Compounds						
5) 2-Fluorophenol	5.158	112	313340	41.27	ng	0.00
7) Phenol-d6	6.746	99	407315	40.25	ng	0.00
23) Nitrobenzene-d5	8.693	82	259064	27.88	ng	0.00
42) 2,4,6-Tribromophenol	15.704	330	153324	30.09	ng	0.01
45) 2-Fluorobiphenyl	12.810	172	610330	26.72	ng	0.00
79) Terphenyl-d14	19.551	244	746554	29.27	ng	0.02
Target Compounds						
						Qvalue
31) Naphthalene	10.363	128	58169	2.02	ng	100
32) Benzoic acid	9.693	122	50	9.16	ng	# 1
41) Hexachlorocyclopentadiene	12.222	237	9	6.84	ng	94
49) Acenaphthylene	13.910	152	160800	5.10	ng	99
50) Dimethylphthalate	13.657	163	113435	4.25	ng	99
54) 2,4-Dinitrophenol	14.357	184	18	7.26	ng	# 1
58) Fluorene	15.251	166	68614	2.84	ng	95
70) Pentachlorophenol	16.528	266	82	6.79	ng	96
71) Phenanthrene	16.998	178	838168	22.30	ng	99
72) Anthracene	17.087	178	253611	6.85	ng	99
73) Carbazole	17.375	167	81340	2.31	ng	97
75) Fluoranthene	18.992	202	1236922	26.17	ng	99
78) Pyrene	19.351	202	1089573	32.87	ng	99
81) Benzo(a)anthracene	21.104	228	570542	16.61	ng	# 87
83) Chrysene	21.151	228	498296	15.10	ng	# 92
88) Benzo(b)fluoranthene	22.804	252	867406	29.70	ng	# 88
89) Benzo(k)fluoranthene	22.804	252	867406	30.99	ng	# 89
90) Benzo(a)pyrene	23.404	252	474287	17.22	ng	# 73

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

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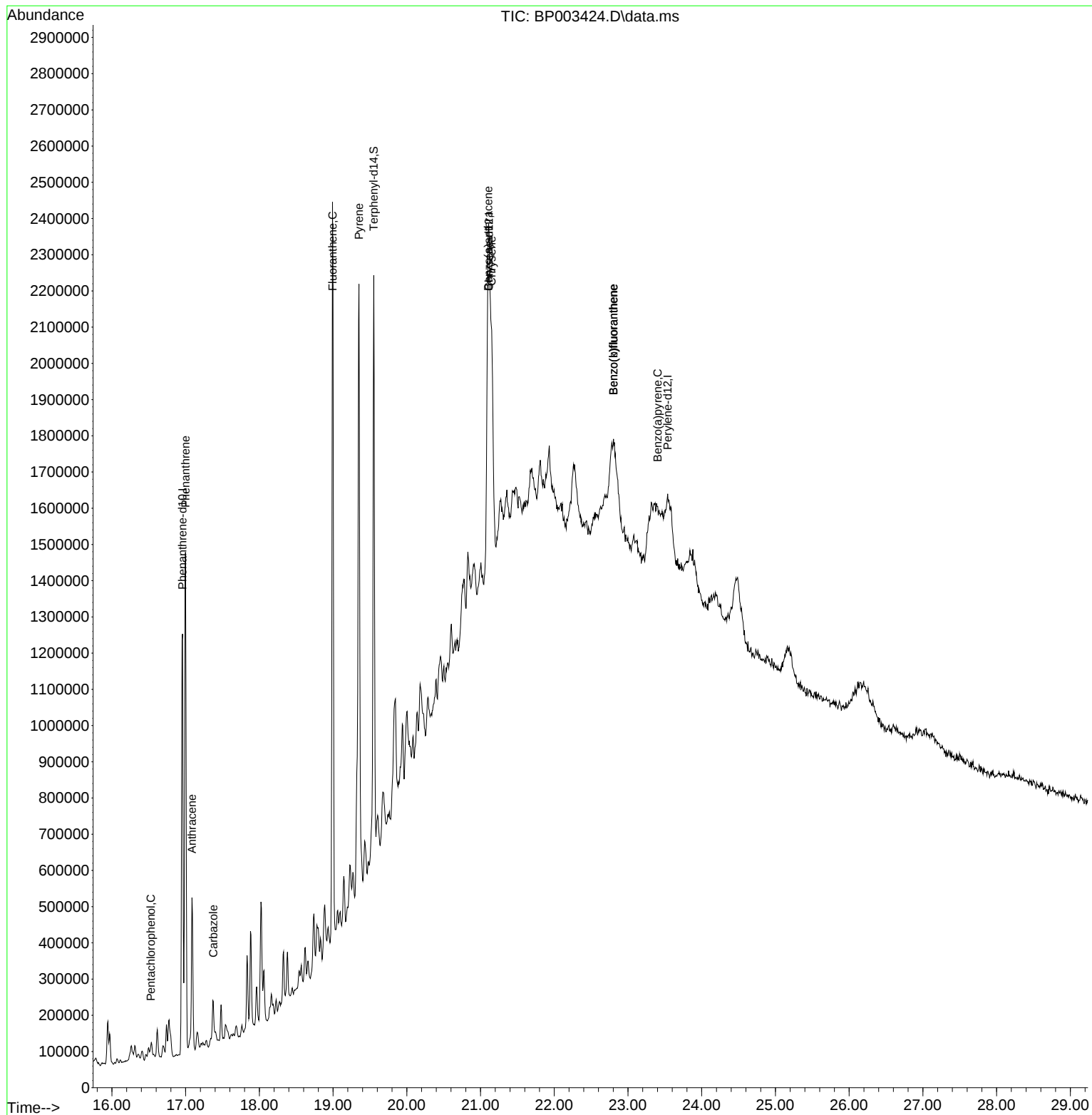
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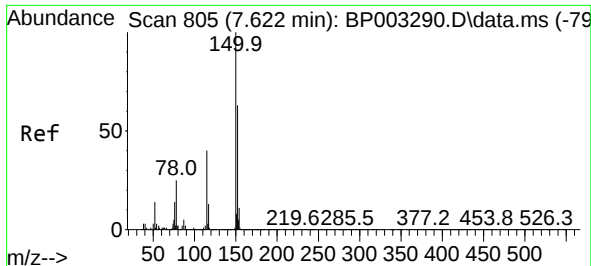


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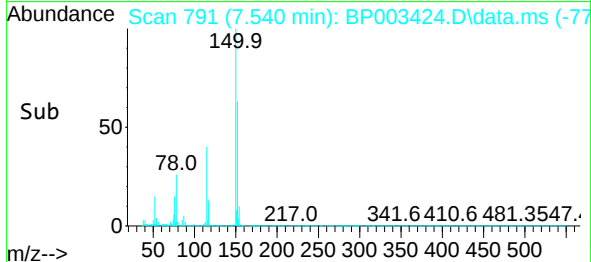
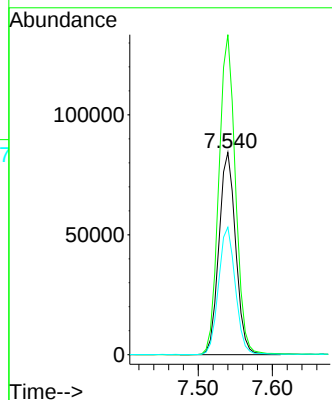
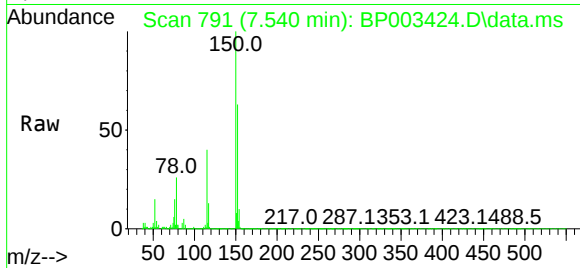




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.540 min Scan# 791
Delta R.T. 0.006 min
Lab File: BP003424.D
Acq: 30 Sep 2020 21:11

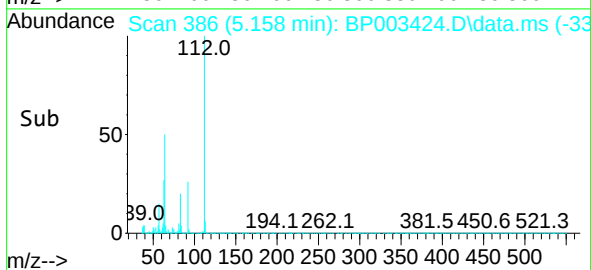
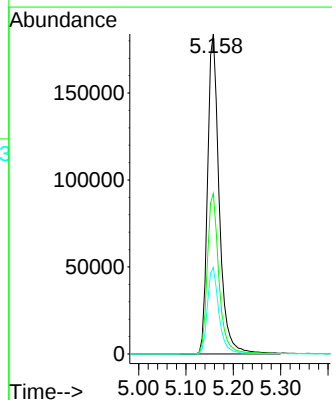
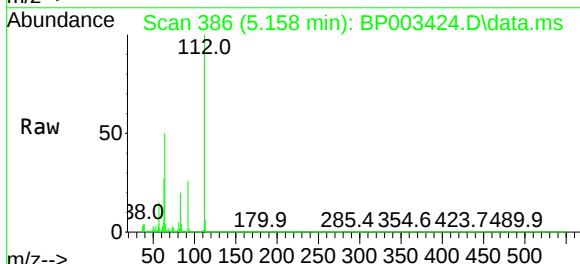
Instrument :
BNA_P
ClientSampleId :
B-10(4-5)

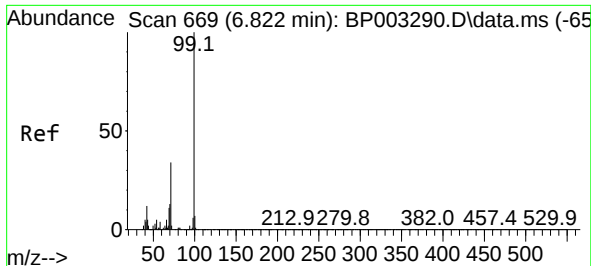
Tgt Ion:152 Resp: 132571
Ion Ratio Lower Upper
152 100
150 158.3 123.8 185.6
115 63.1 43.8 65.6



#5
2-Fluorophenol
Concen: 41.27 ng
RT: 5.158 min Scan# 386
Delta R.T. 0.006 min
Lab File: BP003424.D
Acq: 30 Sep 2020 21:11

Tgt Ion:112 Resp: 313340
Ion Ratio Lower Upper
112 100
64 50.2 32.8 49.2#
63 27.1 17.0 25.4#

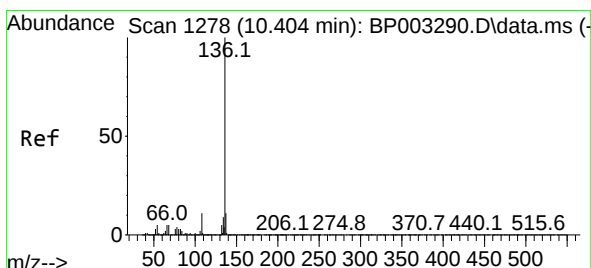
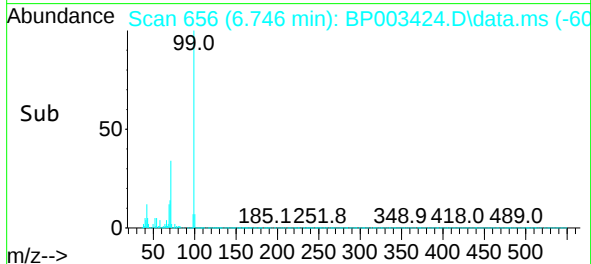
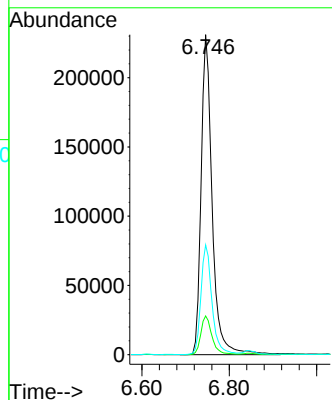
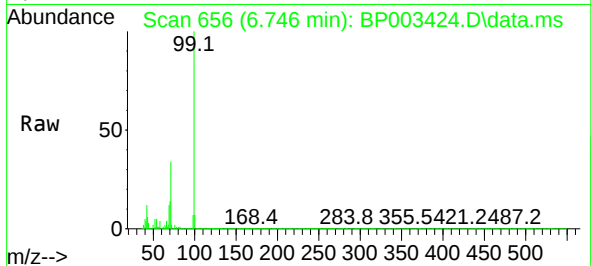




#7
Phenol-d6
Concen: 40.25 ng
RT: 6.746 min Scan# 656
Delta R.T. 0.006 min
Lab File: BP003424.D
Acq: 30 Sep 2020 21:11

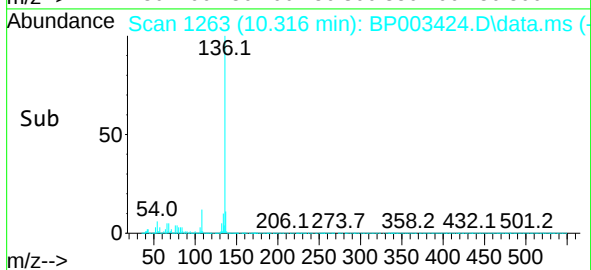
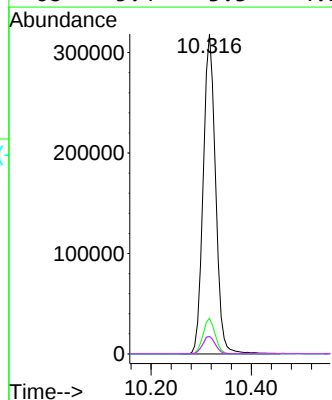
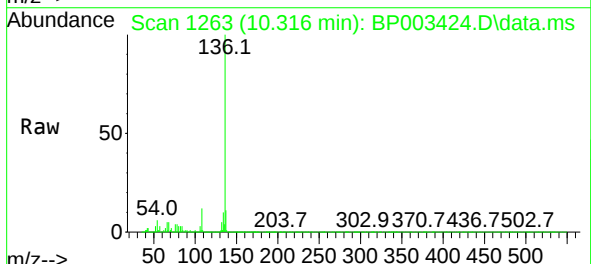
Instrument :
BNA_P
ClientSampleId :
B-10(4-5)

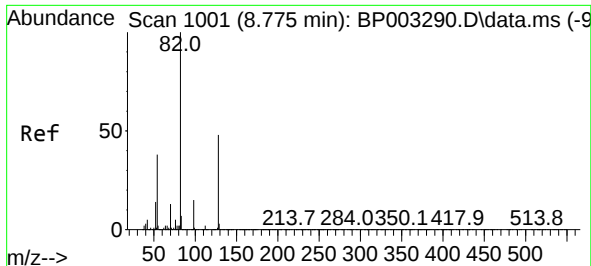
Tgt Ion: 99 Resp: 407315
Ion Ratio Lower Upper
99 100
42 12.1 8.6 13.0
71 34.3 23.4 35.2



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.316 min Scan# 1263
Delta R.T. 0.006 min
Lab File: BP003424.D
Acq: 30 Sep 2020 21:11

Tgt Ion: 136 Resp: 545815
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 5.6 3.6 5.4#
68 5.4 3.3 4.9#

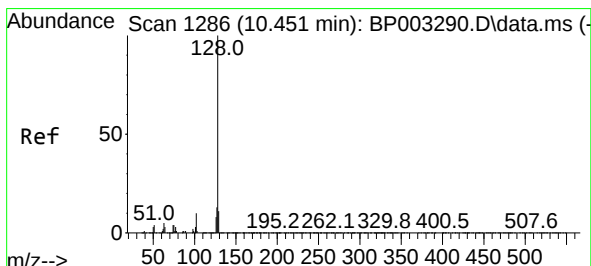
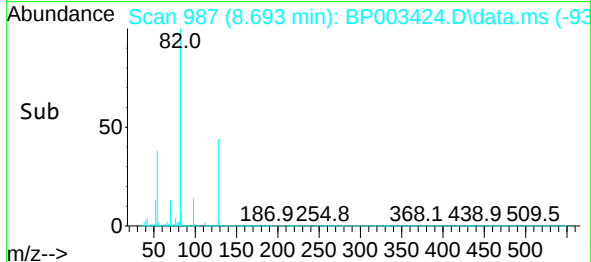
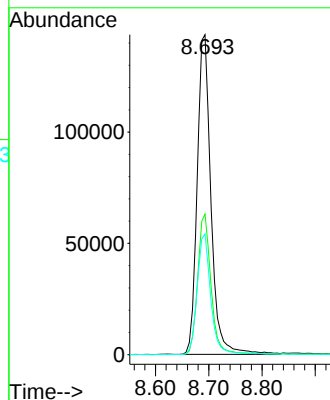
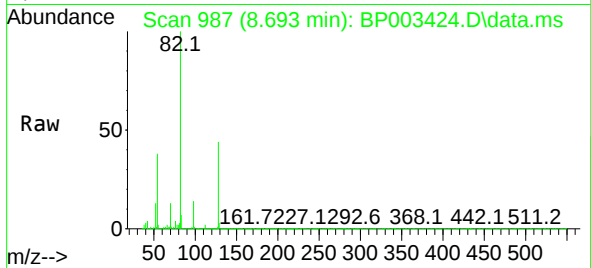




#23
Nitrobenzene-d5
Concen: 27.88 ng
RT: 8.693 min Scan# 987
Delta R.T. 0.006 min
Lab File: BP003424.D
Acq: 30 Sep 2020 21:11

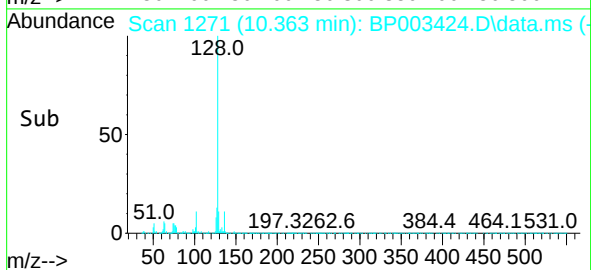
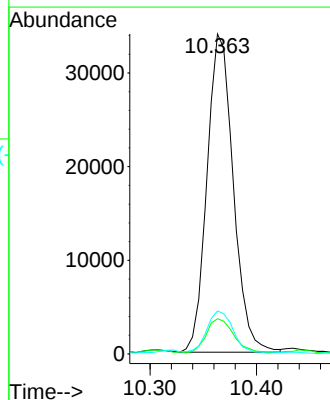
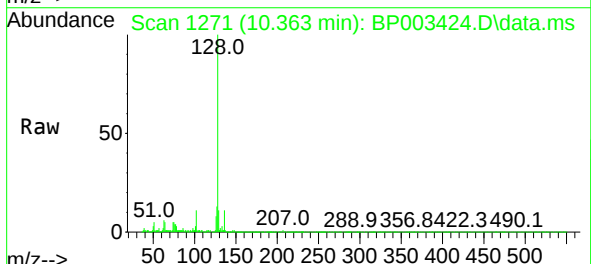
Instrument :
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ClientSampleId :
B-10(4-5)

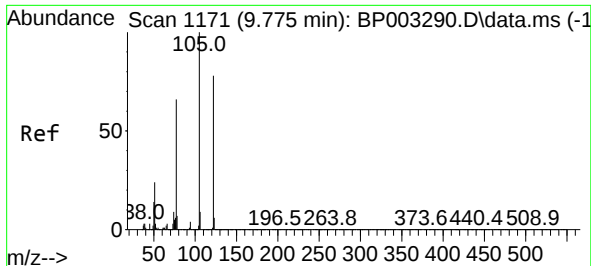
Tgt Ion: 82 Resp: 259064
Ion Ratio Lower Upper
82 100
128 44.0 45.6 68.4#
54 37.7 30.1 45.1



#31
Naphthalene
Concen: 2.02 ng
RT: 10.363 min Scan# 1271
Delta R.T. -0.000 min
Lab File: BP003424.D
Acq: 30 Sep 2020 21:11

Tgt Ion: 128 Resp: 58169
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.5 10.6 15.8

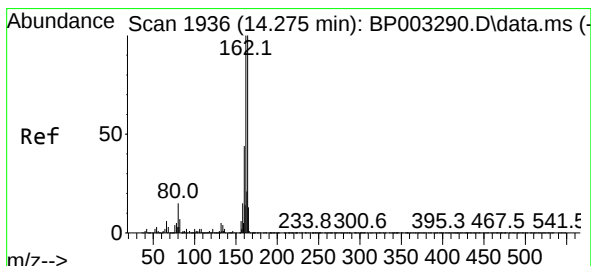
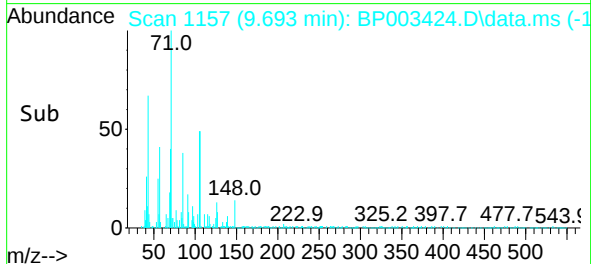
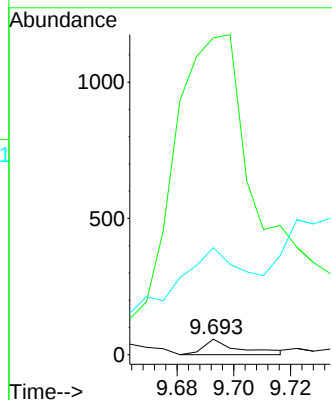
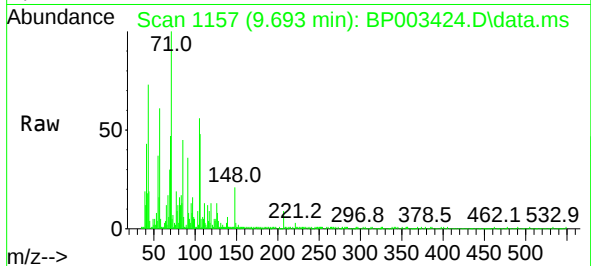




#32
Benzoic acid
Concen: 9.16 ng
RT: 9.693 min Scan# 1157
Delta R.T. -0.024 min
Lab File: BP003424.D
Acq: 30 Sep 2020 21:11

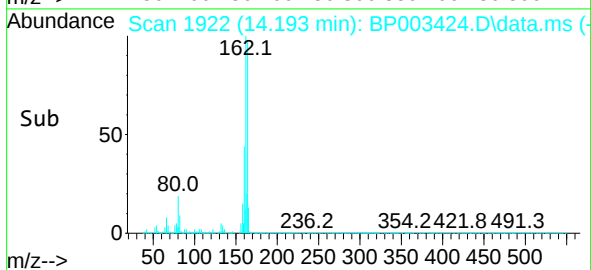
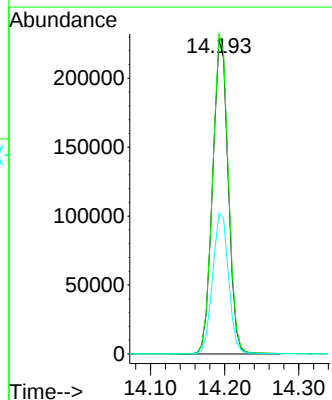
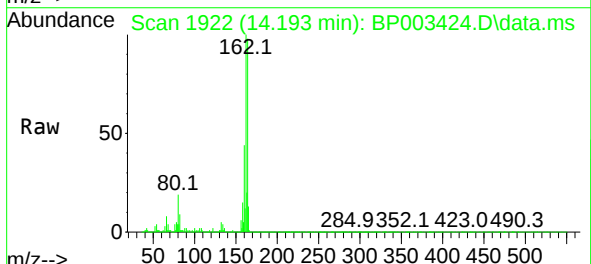
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ClientSampleId :
B-10(4-5)

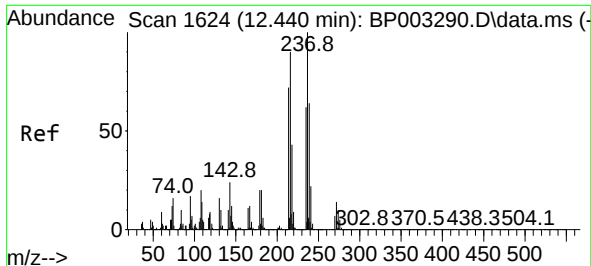
Tgt Ion:122 Resp: 50
Ion Ratio Lower Upper
122 100
105 2038.6 94.1 134.1#
77 689.5 50.1 90.1#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.193 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BP003424.D
Acq: 30 Sep 2020 21:11

Tgt Ion:164 Resp: 334084
Ion Ratio Lower Upper
164 100
162 101.9 79.4 119.2
160 44.9 36.1 54.1

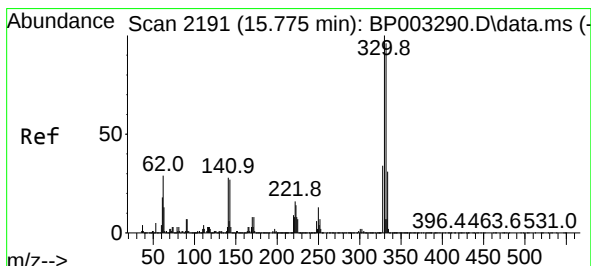
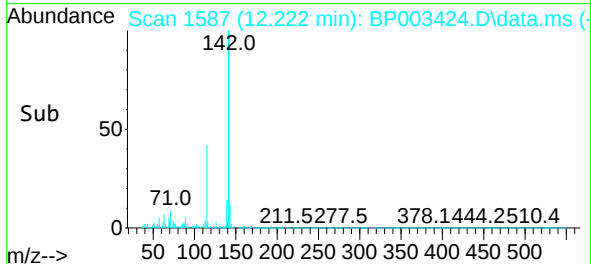
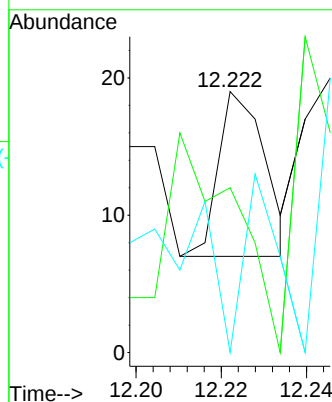
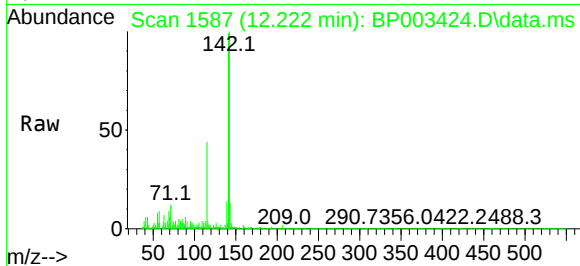




#41
Hexachlorocyclopentadiene
Concen: 6.84 ng
RT: 12.222 min Scan# 1587
Delta R.T. -0.129 min
Lab File: BP003424.D
Acq: 30 Sep 2020 21:11

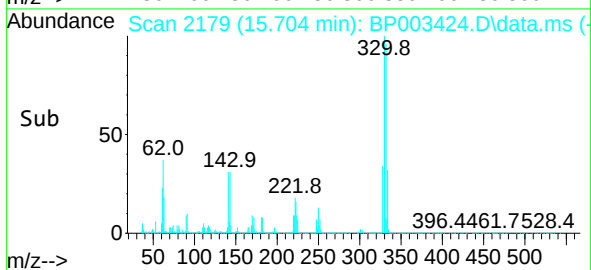
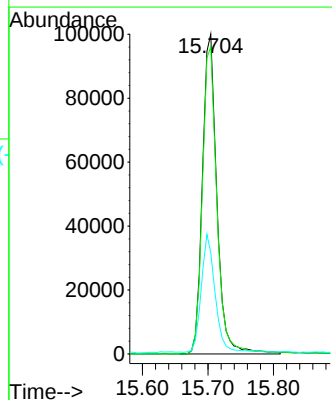
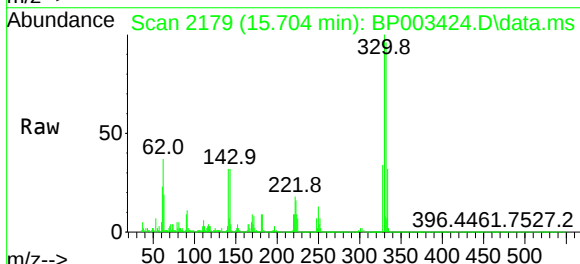
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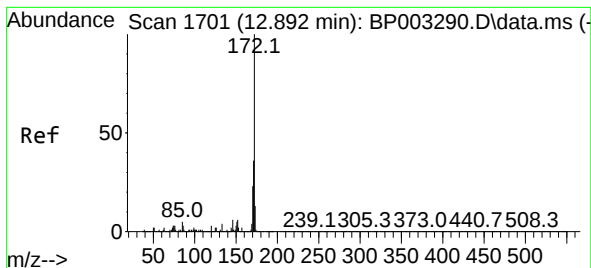
Tgt Ion:237	Resp:	9
Ion	Ratio	Lower Upper
237	100	
235	63.2	43.2 83.2
272	0.0	0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 30.09 ng
RT: 15.704 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BP003424.D
Acq: 30 Sep 2020 21:11

Tgt Ion:330	Resp:	153324
Ion	Ratio	Lower Upper
330	100	
332	96.6	77.1 115.7
141	35.8	23.4 35.2#

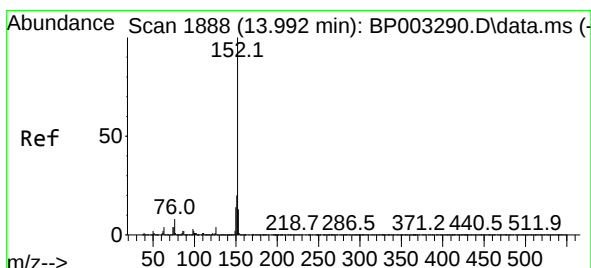
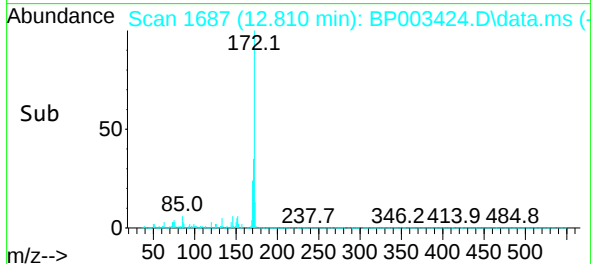
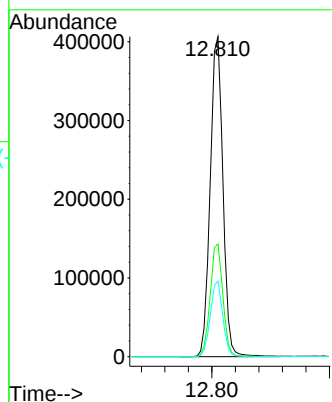
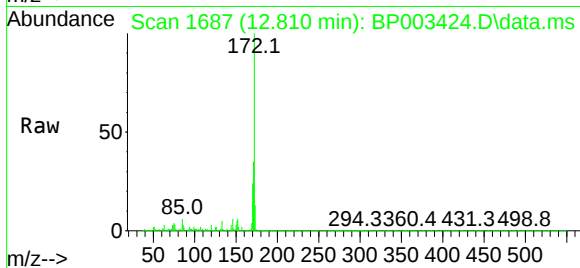




#45
2-Fluorobiphenyl
Concen: 26.72 ng
RT: 12.810 min Scan# 1687
Delta R.T. 0.006 min
Lab File: BP003424.D
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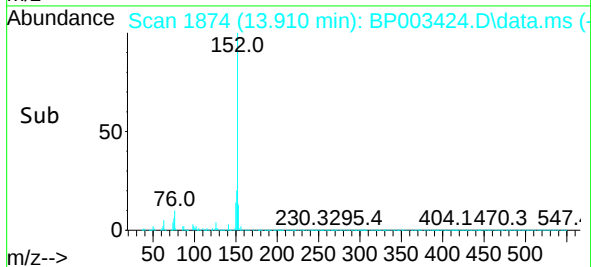
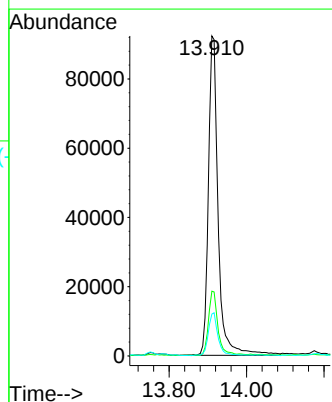
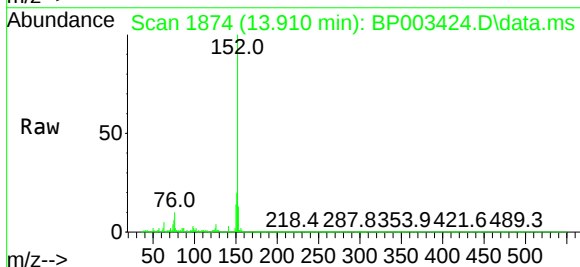
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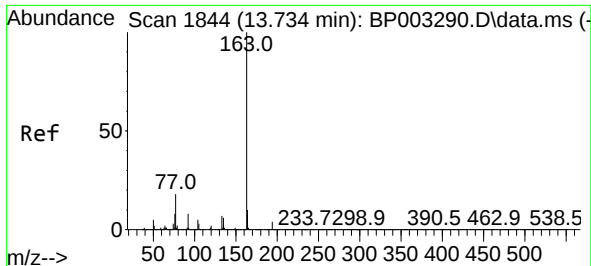
Tgt Ion:	172	Resp:	610330
Ion Ratio	Lower	Upper	
172	100		
171	35.3	28.5	42.7
170	23.7	19.2	28.8



#49
Acenaphthylene
Concen: 5.10 ng
RT: 13.910 min Scan# 1874
Delta R.T. -0.000 min
Lab File: BP003424.D
Acq: 30 Sep 2020 21:11

Tgt Ion:	152	Resp:	160800
Ion Ratio	Lower	Upper	
152	100		
151	20.3	15.9	23.9
153	13.1	10.5	15.7

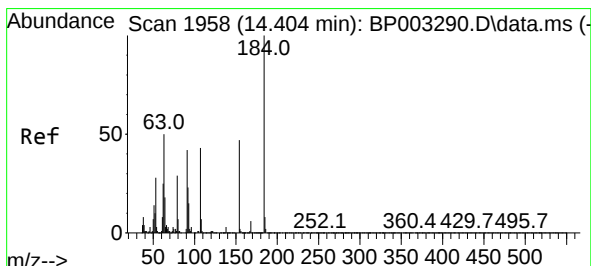
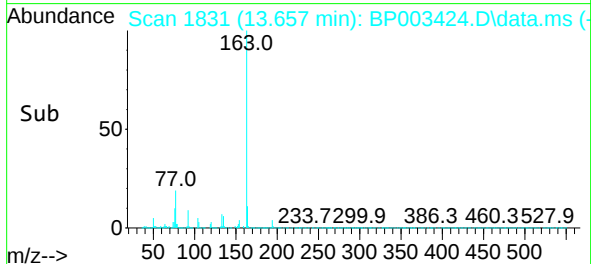
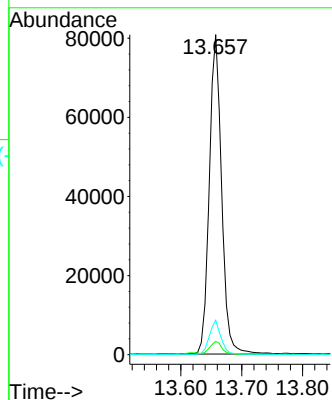
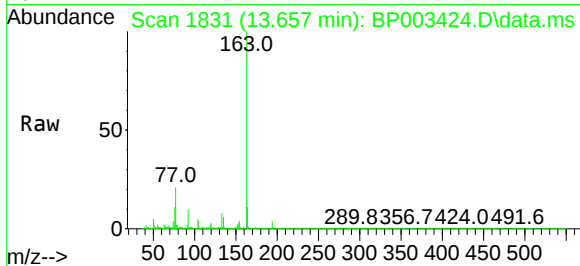




#50
Dimethylphthalate
Concen: 4.25 ng
RT: 13.657 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BP003424.D
Acq: 30 Sep 2020 21:11

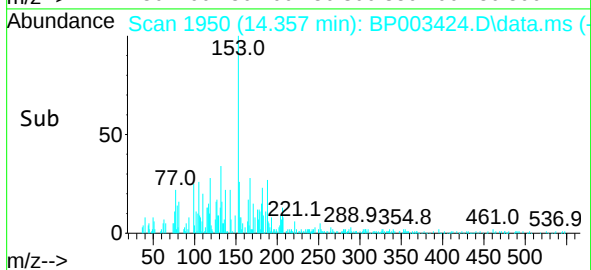
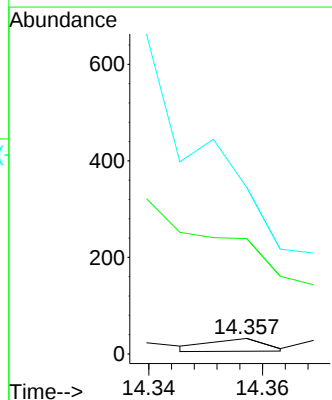
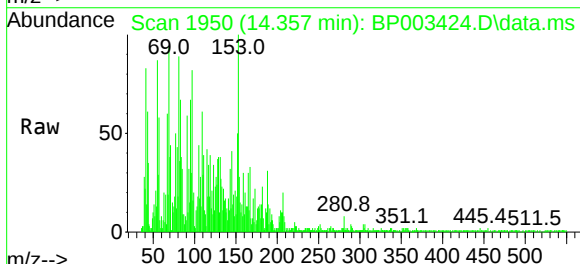
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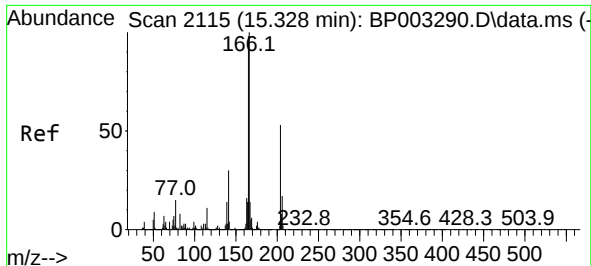
Tgt Ion:163 Resp: 113435
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.8 8.2 12.2



#54
2,4-Dinitrophenol
Concen: 7.26 ng
RT: 14.357 min Scan# 1950
Delta R.T. 0.012 min
Lab File: BP003424.D
Acq: 30 Sep 2020 21:11

Tgt Ion:184 Resp: 18
Ion Ratio Lower Upper
184 100
63 746.9 32.3 48.5#
154 1078.1 49.1 73.7#

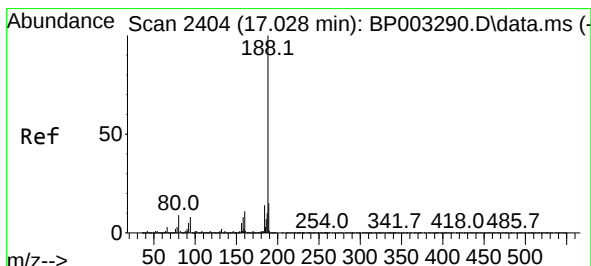
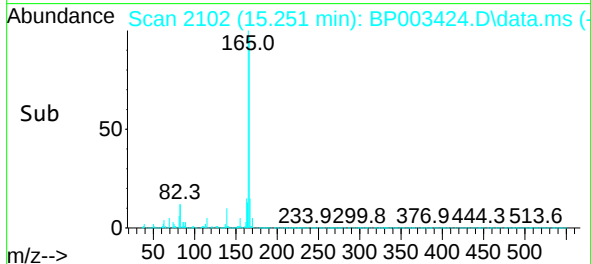
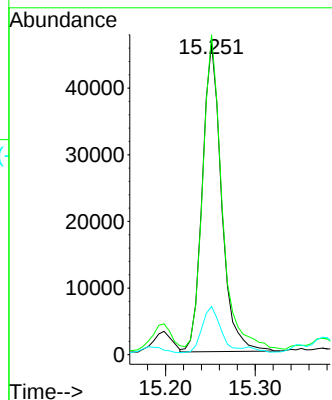
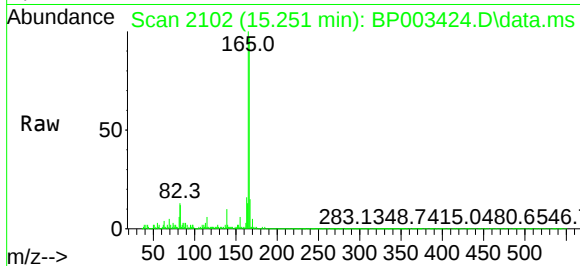




#58
Fluorene
Concen: 2.84 ng
RT: 15.251 min Scan# 2102
Delta R.T. -0.000 min
Lab File: BP003424.D
Acq: 30 Sep 2020 21:11

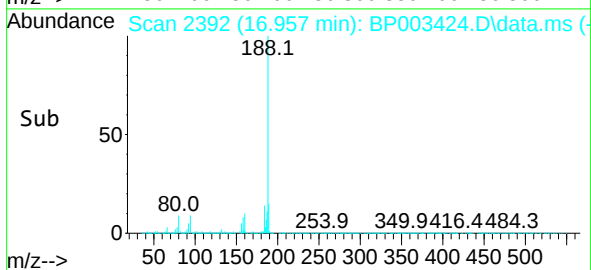
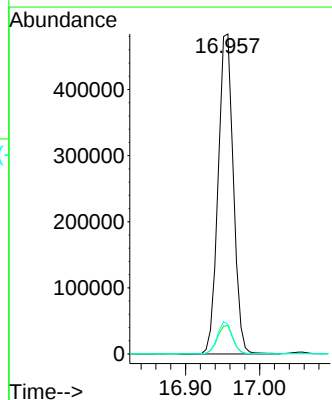
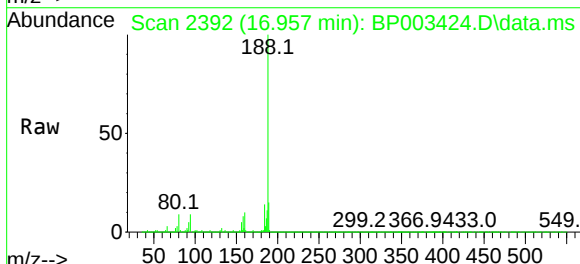
Instrument :
BNA_P
ClientSampleId :
B-10(4-5)

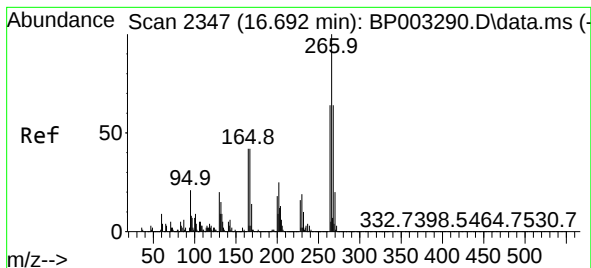
Tgt Ion:166 Resp: 68614
Ion Ratio Lower Upper
166 100
165 102.8 77.8 116.8
167 15.5 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.957 min Scan# 2392
Delta R.T. 0.012 min
Lab File: BP003424.D
Acq: 30 Sep 2020 21:11

Tgt Ion:188 Resp: 690797
Ion Ratio Lower Upper
188 100
94 8.9 6.2 9.2
80 9.3 6.2 9.2#

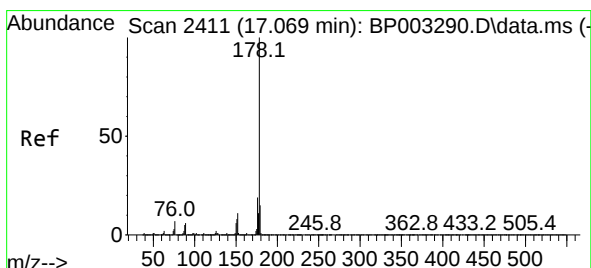
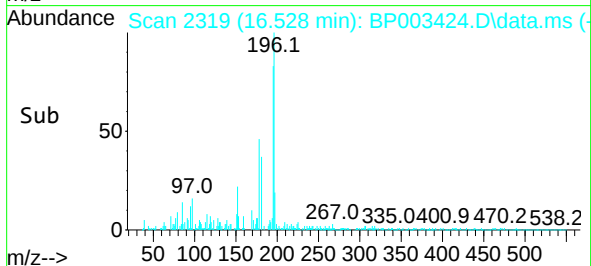
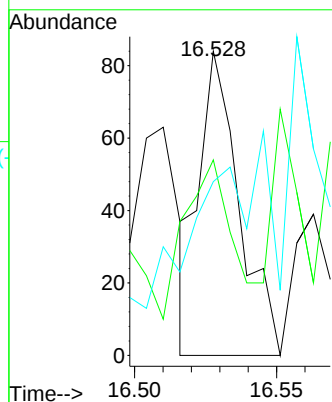
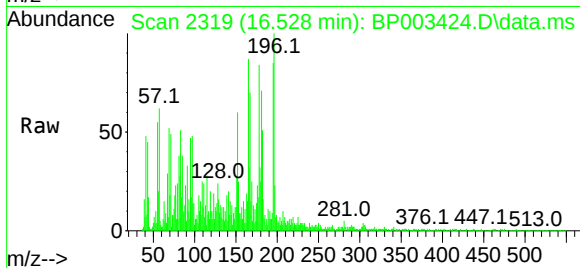




#70
Pentachlorophenol
Concen: 6.79 ng
RT: 16.528 min Scan# 2319
Delta R.T. -0.094 min
Lab File: BP003424.D
Acq: 30 Sep 2020 21:11

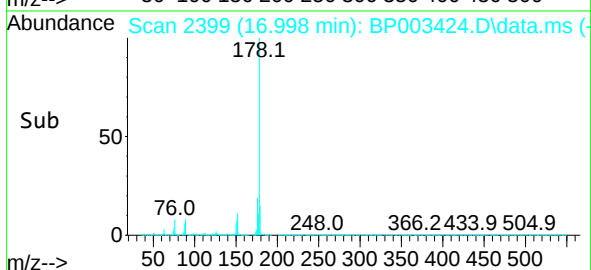
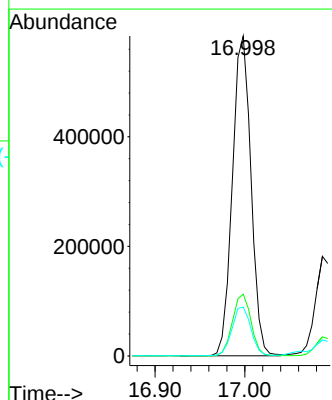
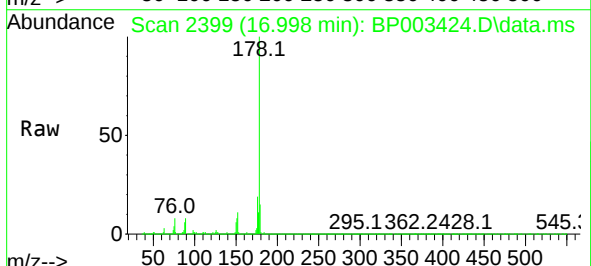
Instrument :
BNA_P
ClientSampleId :
B-10(4-5)

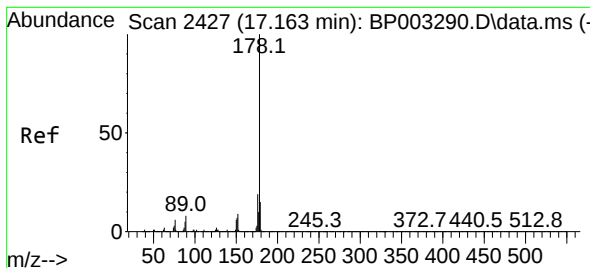
Tgt Ion:266 Resp: 82
Ion Ratio Lower Upper
266 100
268 64.3 51.1 76.7
264 57.1 50.6 76.0



#71
Phenanthrene
Concen: 22.30 ng
RT: 16.998 min Scan# 2399
Delta R.T. 0.006 min
Lab File: BP003424.D
Acq: 30 Sep 2020 21:11

Tgt Ion:178 Resp: 838168
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.3 12.5 18.7





#72

Anthracene

Concen: 6.85 ng

RT: 17.087 min Scan# 2414

Delta R.T. 0.006 min

Lab File: BP003424.D

Acq: 30 Sep 2020 21:11

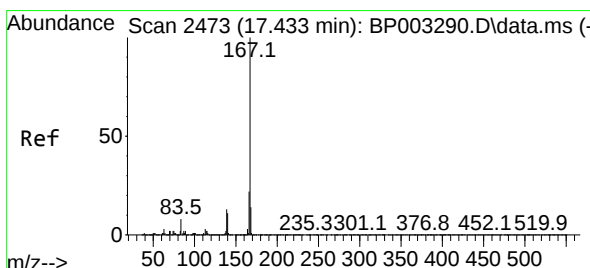
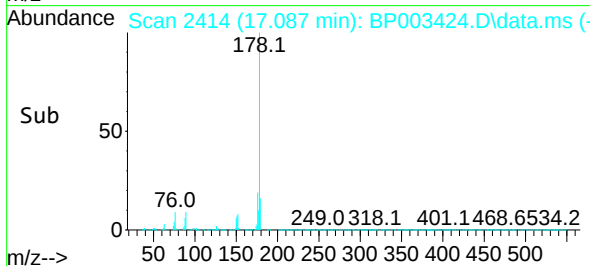
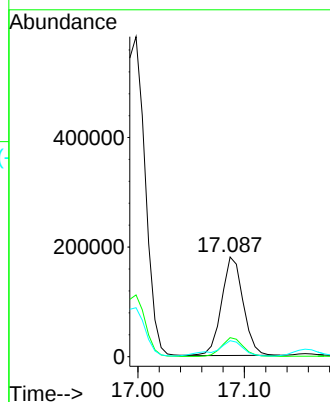
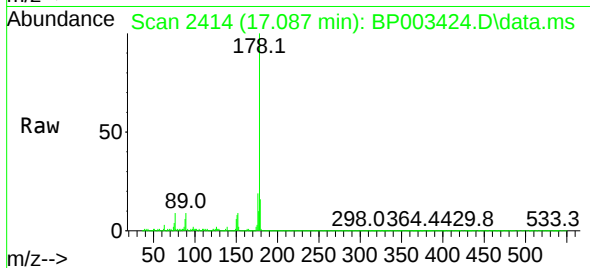
Tgt Ion:178 Resp: 253611

Ion Ratio Lower Upper

178 100

176 19.1 15.0 22.4

179 16.0 12.5 18.7



#73

Carbazole

Concen: 2.31 ng

RT: 17.375 min Scan# 2463

Delta R.T. 0.012 min

Lab File: BP003424.D

Acq: 30 Sep 2020 21:11

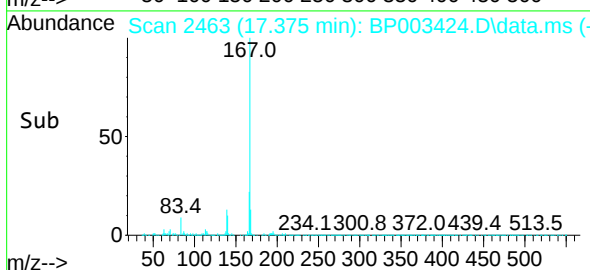
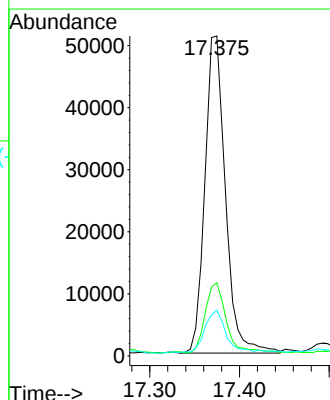
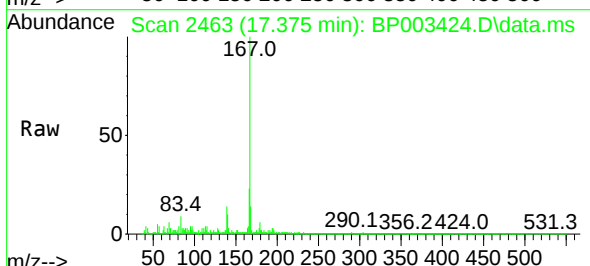
Tgt Ion:167 Resp: 81340

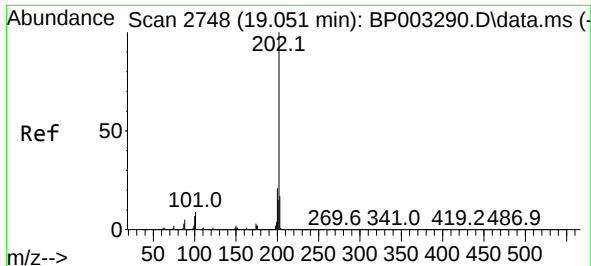
Ion Ratio Lower Upper

167 100

166 22.9 17.6 26.4

139 14.4 10.2 15.4

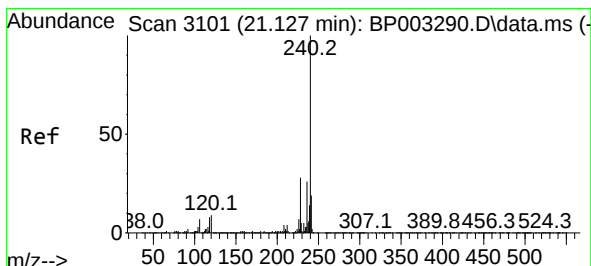
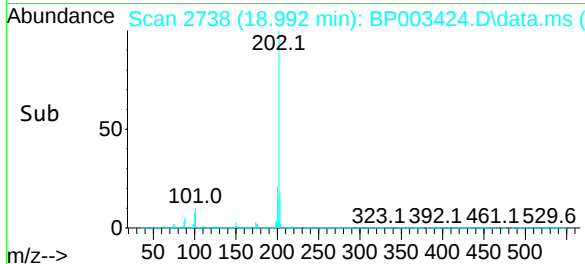
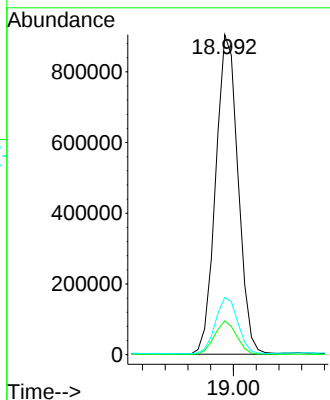
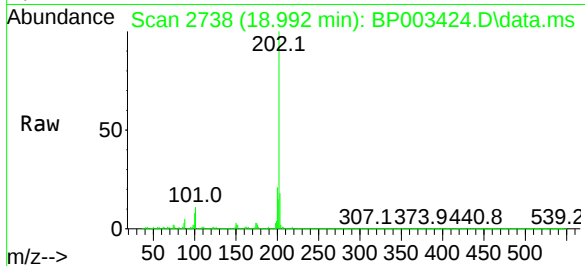




#75
Fluoranthene
Concen: 26.17 ng
RT: 18.992 min Scan# 2738
Delta R.T. 0.012 min
Lab File: BP003424.D
Acq: 30 Sep 2020 21:11

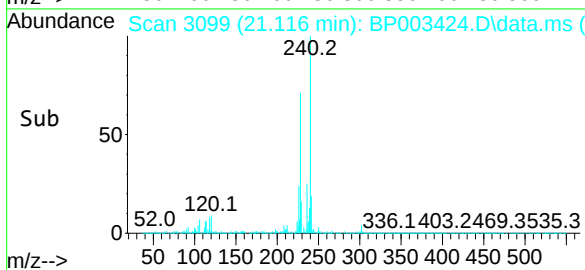
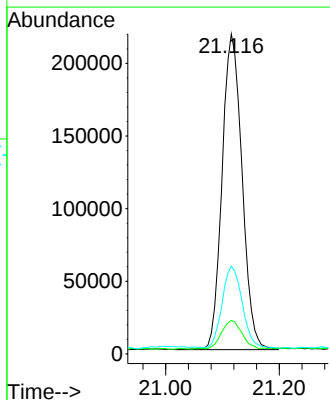
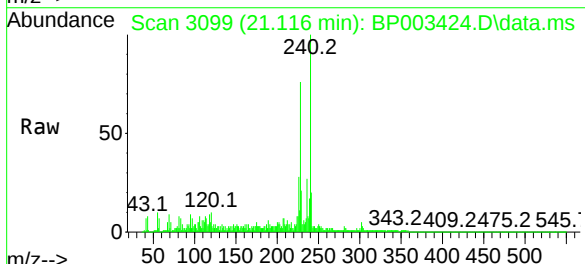
Instrument :
BNA_P
ClientSampleId :
B-10(4-5)

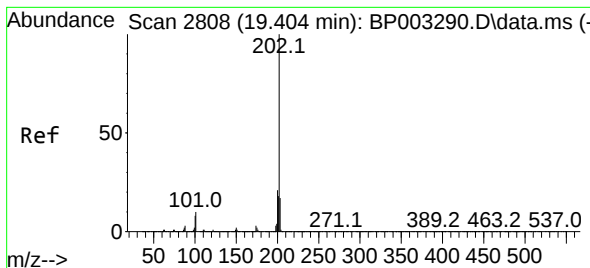
Tgt Ion:202 Resp: 1236922
Ion Ratio Lower Upper
202 100
101 10.5 0.0 29.4
203 17.9 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.116 min Scan# 3099
Delta R.T. 0.053 min
Lab File: BP003424.D
Acq: 30 Sep 2020 21:11

Tgt Ion:240 Resp: 531494
Ion Ratio Lower Upper
240 100
120 10.5 7.8 11.6
236 27.4 20.8 31.2





#78

Pyrene

Concen: 32.87 ng

RT: 19.351 min Scan# 2799

Delta R.T. 0.018 min

Lab File: BP003424.D

Acq: 30 Sep 2020 21:11

Instrument :

BNA_P

ClientSampleId :

B-10(4-5)

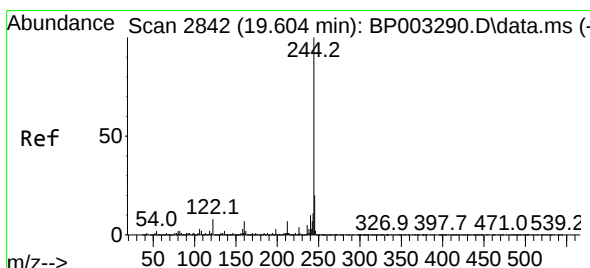
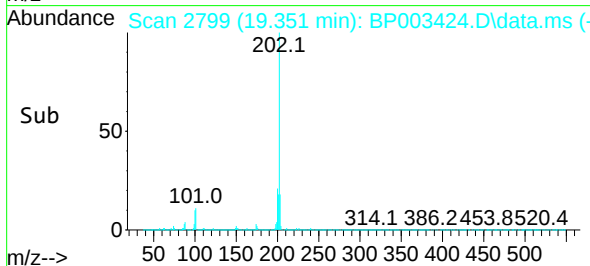
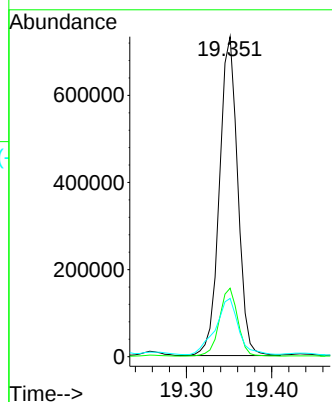
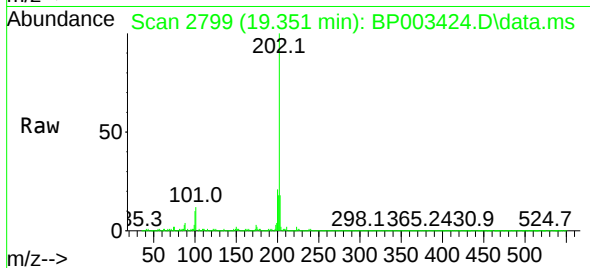
Tgt Ion:202 Resp: 1089573

Ion Ratio Lower Upper

202 100

200 21.4 17.1 25.7

203 18.2 14.2 21.2



#79

Terphenyl-d14

Concen: 29.27 ng

RT: 19.551 min Scan# 2833

Delta R.T. 0.018 min

Lab File: BP003424.D

Acq: 30 Sep 2020 21:11

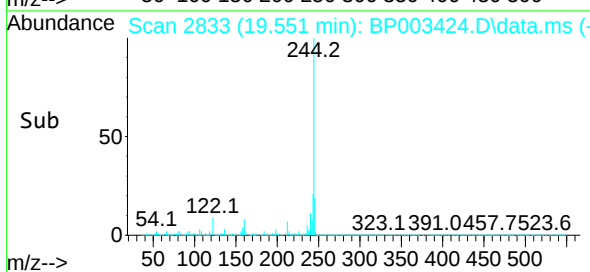
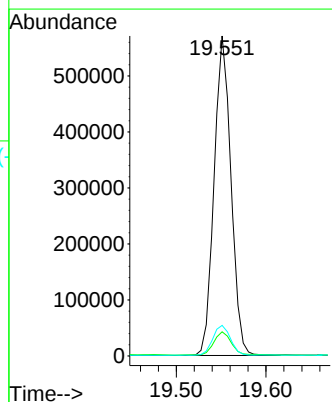
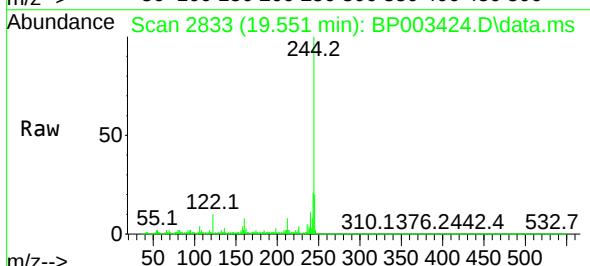
Tgt Ion:244 Resp: 746554

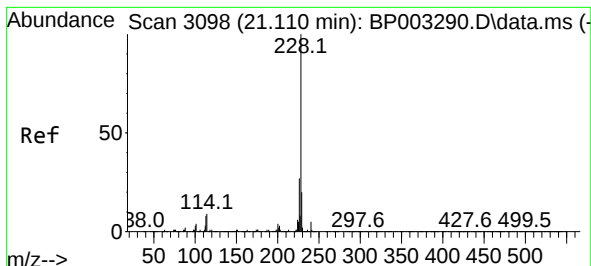
Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

122 9.6 7.8 11.8





#81

Benzo(a)anthracene

Concen: 16.61 ng

RT: 21.104 min Scan# 3097

Delta R.T. 0.059 min

Lab File: BP003424.D

Acq: 30 Sep 2020 21:11

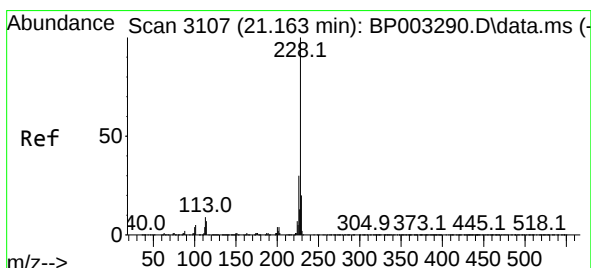
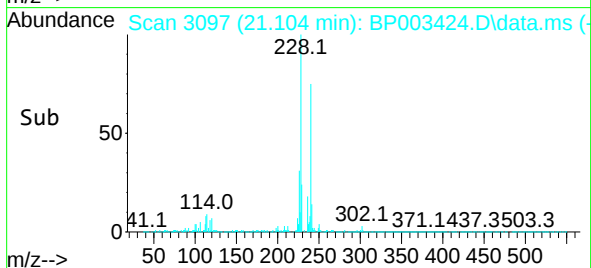
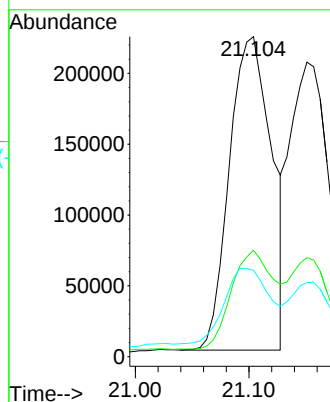
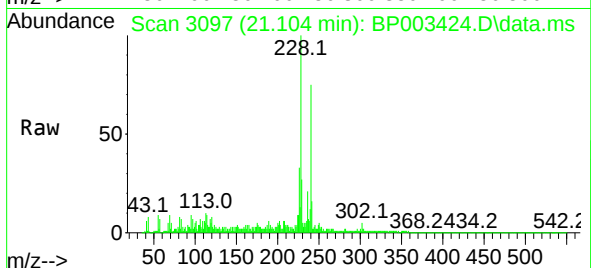
Instrument :

BNA_P

ClientSampleId :

B-10(4-5)

Tgt Ion:228 Resp: 570542
 Ion Ratio Lower Upper
 228 100
 226 33.2 22.1 33.1#
 229 27.0 15.9 23.9#



#83

Chrysene

Concen: 15.10 ng

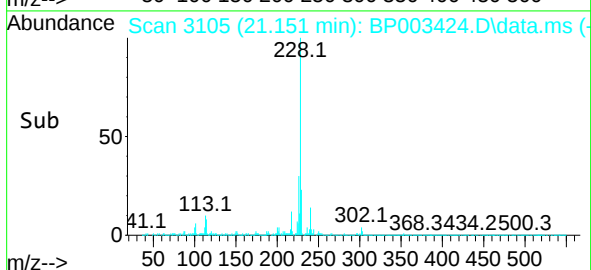
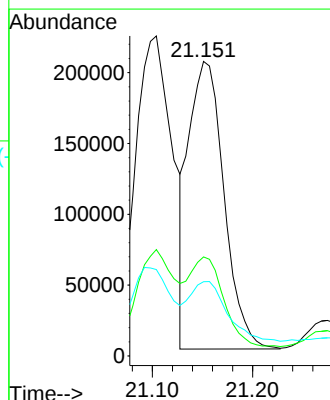
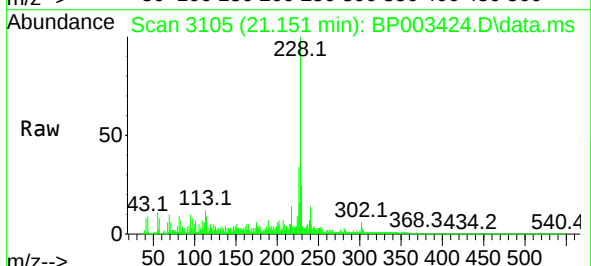
RT: 21.151 min Scan# 3105

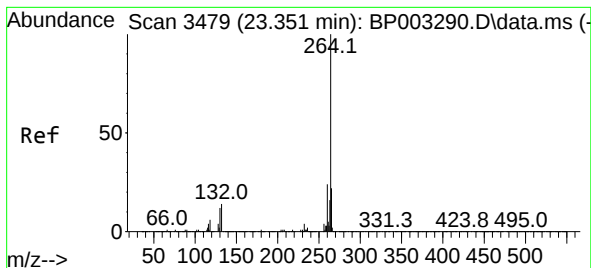
Delta R.T. 0.053 min

Lab File: BP003424.D

Acq: 30 Sep 2020 21:11

Tgt Ion:228 Resp: 498296
 Ion Ratio Lower Upper
 228 100
 226 33.6 24.4 36.6
 229 25.2 15.8 23.6#





#86

Perylene-d12

Concen: 20.00 ng

RT: 23.539 min Scan# 3511

Delta R.T. 0.282 min

Lab File: BP003424.D

Acq: 30 Sep 2020 21:11

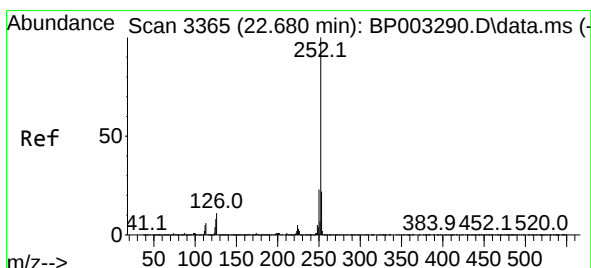
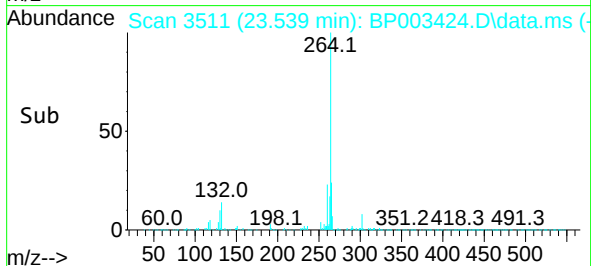
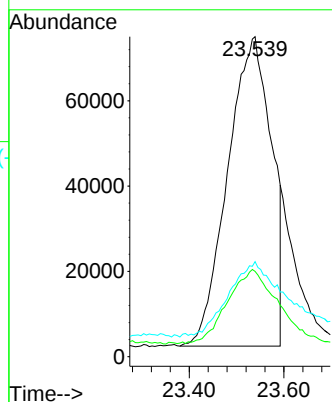
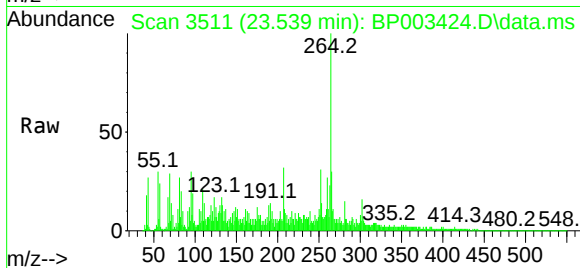
Tgt Ion:	264	Resp:	462531
Ion Ratio	Lower	Upper	
264	100		
260	26.6	18.8	28.2
265	29.7	17.4	26.2#

Instrument :

BNA_P

ClientSampled :

B-10(4-5)



#88

Benzo(b)fluoranthene

Concen: 29.70 ng

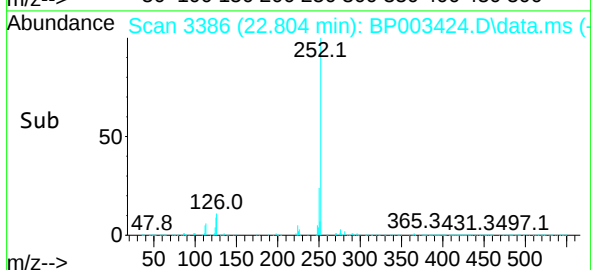
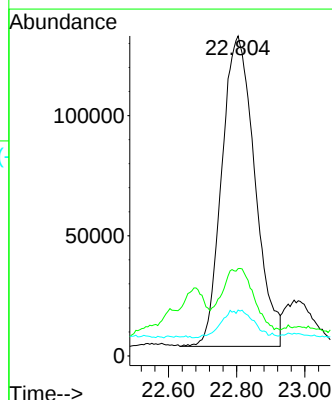
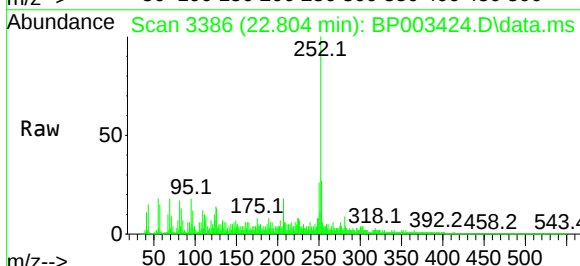
RT: 22.804 min Scan# 3386

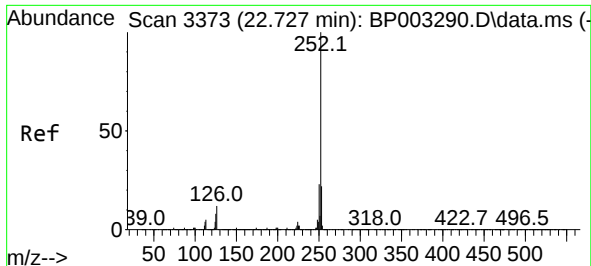
Delta R.T. 0.212 min

Lab File: BP003424.D

Acq: 30 Sep 2020 21:11

Tgt Ion:	252	Resp:	867406
Ion Ratio	Lower	Upper	
252	100		
253	27.3	17.6	26.4#
125	14.3	7.3	10.9#

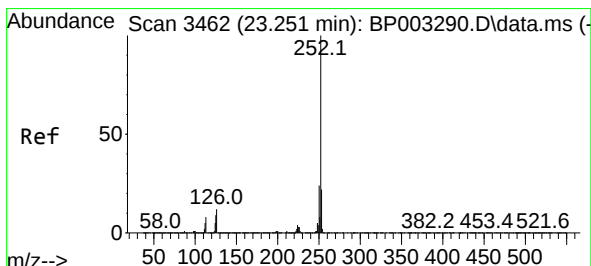
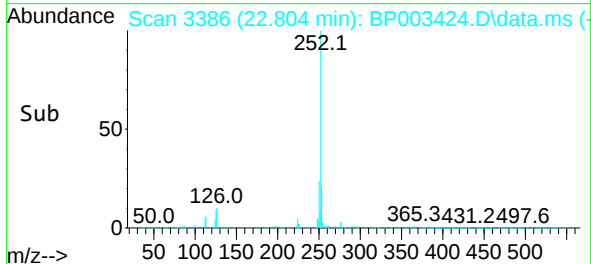
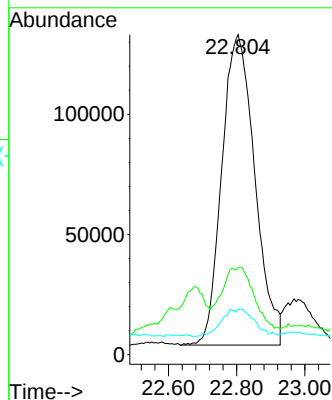
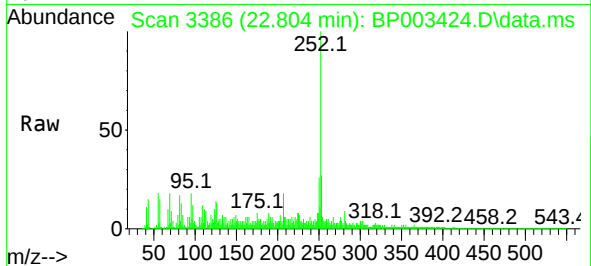




#89
Benzo(k)fluoranthene
Concen: 30.99 ng
RT: 22.804 min Scan# 3386
Delta R.T. 0.159 min
Lab File: BP003424.D
Acq: 30 Sep 2020 21:11

Instrument :
BNA_P
ClientSampled :
B-10(4-5)

Tgt Ion:252 Resp: 867406
Ion Ratio Lower Upper
252 100
253 27.3 17.8 26.8#
125 14.3 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 17.22 ng
RT: 23.404 min Scan# 3488
Delta R.T. 0.241 min
Lab File: BP003424.D
Acq: 30 Sep 2020 21:11

Tgt Ion:252 Resp: 474287
Ion Ratio Lower Upper
252 100
253 35.7 17.4 26.0#
125 18.2 8.2 12.4#

