

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110520\
 Data File : BP003824.D
 Acq On : 05 Nov 2020 16:59
 Operator : CG/JU
 Sample : L4521-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-1

Quant Time: Nov 05 23:55:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 05 14:31:45 2020
 Response via : Initial Calibration

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

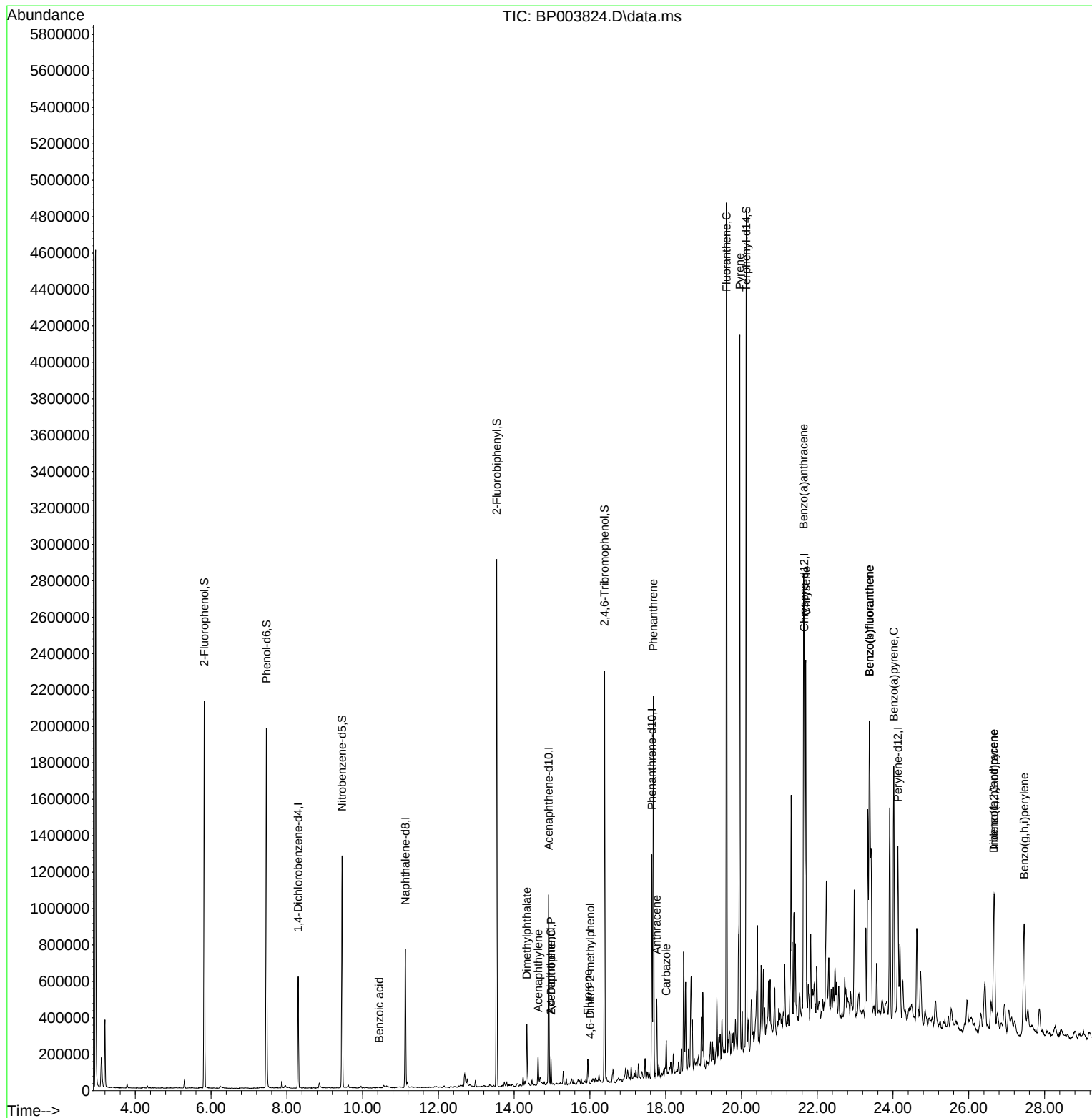
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.299	152	157020	20.00	ng	0.00
21) Naphthalene-d8	11.128	136	599843	20.00	ng	# 0.00
39) Acenaphthene-d10	14.910	164	362331	20.00	ng	0.00
64) Phenanthrene-d10	17.634	188	730471	20.00	ng	# 0.00
76) Chrysene-d12	21.657	240	698744	20.00	ng	0.00
86) Perylene-d12	24.127	264	743012	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.822	112	873208	92.81	ng	0.01
7) Phenol-d6	7.458	99	1118500	82.82	ng	0.00
23) Nitrobenzene-d5	9.458	82	702181	57.33	ng	0.00
42) 2,4,6-Tribromophenol	16.387	330	411336	90.77	ng	0.00
45) 2-Fluorobiphenyl	13.540	172	1505742	58.10	ng	0.00
79) Terphenyl-d14	20.128	244	1850391	51.16	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.399	77	1258	Below Cal	#	71
32) Benzoic acid	10.440	122	227	8.34	ng	# 65
49) Acenaphthylene	14.634	152	111848	3.30	ng	100
50) Dimethylphthalate	14.334	163	208882	7.38	ng	98
52) Acenaphthene	14.969	154	51300	2.27	ng	92
54) 2,4-Dinitrophenol	14.975	184	16	2.74	ng	# 1
58) Fluorene	15.945	166	62845	2.34	ng	94
65) 4,6-Dinitro-2-methylph...	16.010	198	61	6.36	ng	# 1
71) Phenanthrene	17.675	178	1280794	31.24	ng	99
72) Anthracene	17.763	178	267711	6.76	ng	98
73) Carbazole	18.016	167	124690	3.39	ng	98
75) Fluoranthene	19.604	202	2773799	58.64	ng	99
78) Pyrene	19.957	202	2472642	52.15	ng	99
81) Benzo(a)anthracene	21.639	228	1124297	24.40	ng	97
83) Chrysene	21.698	228	1233329	27.86	ng	97
87) Indeno(1,2,3-cd)pyrene	26.668	276	799647	14.92	ng	# 94
88) Benzo(b)fluoranthene	23.380	252	2083855	42.86	ng	99
89) Benzo(k)fluoranthene	23.380	252	2083855	43.40	ng	99
90) Benzo(a)pyrene	24.022	252	1110087	24.66	ng	98
91) Dibenzo(a,h)anthracene	26.663	278	193706	4.34	ng	# 92
92) Benzo(g,h,i)perylene	27.462	276	826759	19.12	ng	97

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

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BNA_P
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Quant Time: Nov 05 23:55:56 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 05 14:31:45 2020
Response via : Initial Calibration

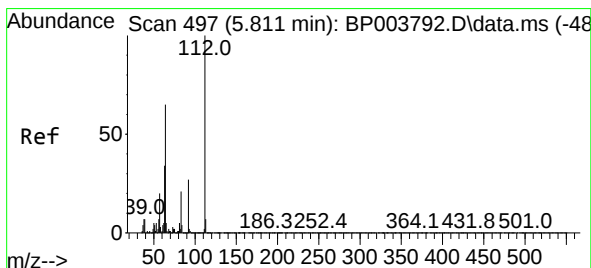
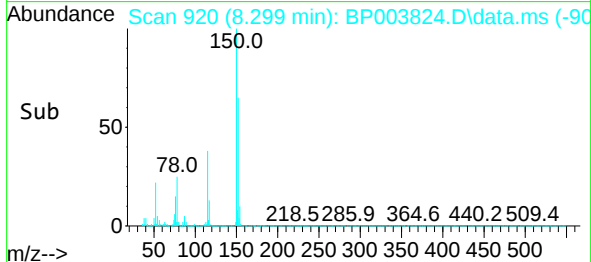
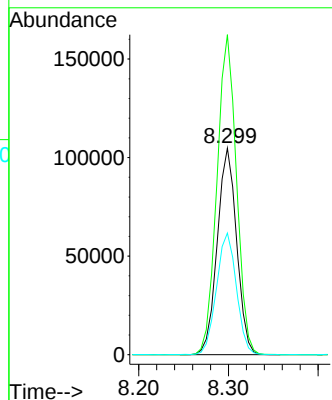
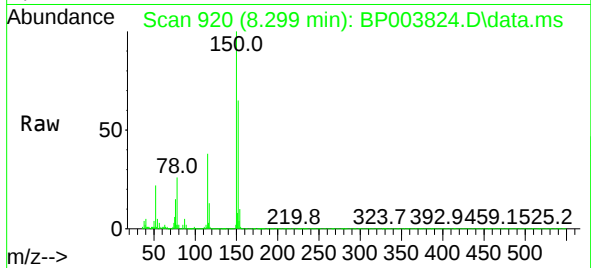




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.299 min Scan# 920
Delta R.T. 0.006 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

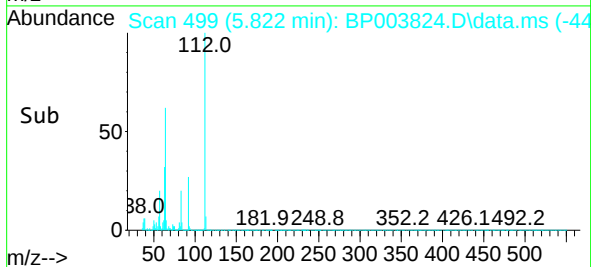
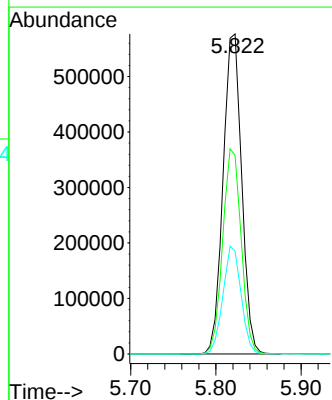
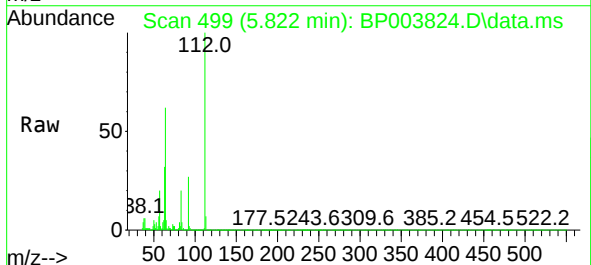
Instrument :
BNA_P
ClientSampled :
B-1

Tgt Ion:152 Resp: 157020
Ion Ratio Lower Upper
152 100
150 154.9 123.8 185.6
115 58.9 43.8 65.6



#5
2-Fluorophenol
Concen: 92.81 ng
RT: 5.822 min Scan# 499
Delta R.T. 0.011 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

Tgt Ion:112 Resp: 873208
Ion Ratio Lower Upper
112 100
64 62.0 32.8 49.2#
63 32.0 17.0 25.4#

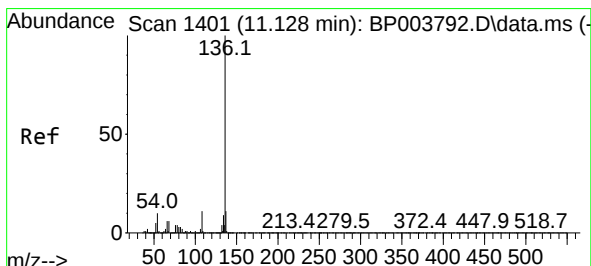
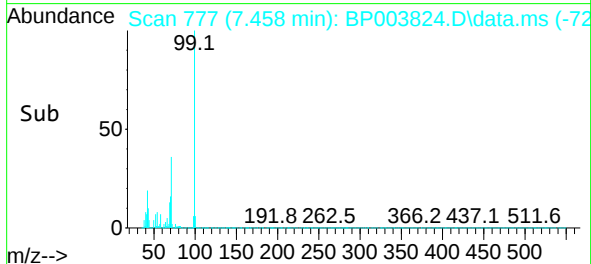
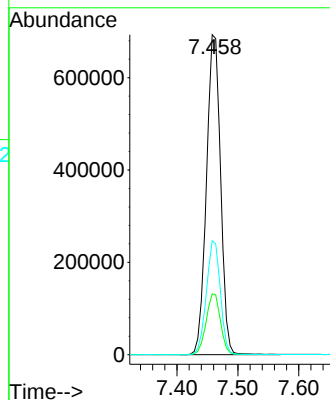
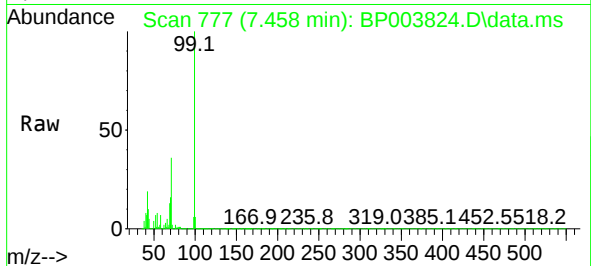




#7
Phenol-d6
Concen: 82.82 ng
RT: 7.458 min Scan# 777
Delta R.T. -0.000 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

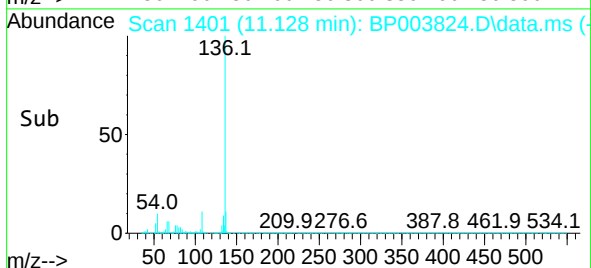
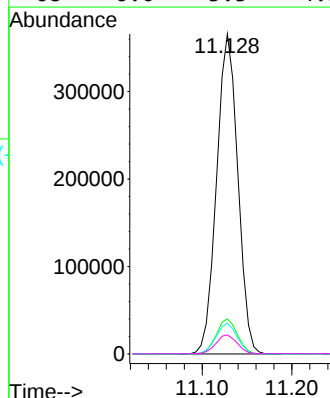
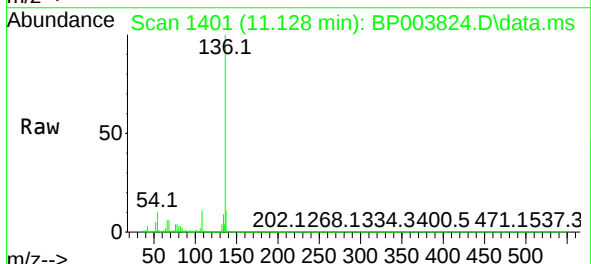
Instrument :
BNA_P
ClientSampleId :
B-1

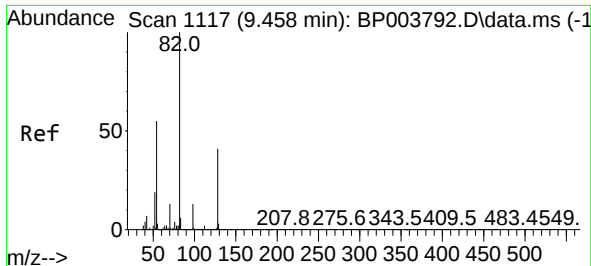
Tgt Ion: 99 Resp: 1118500
Ion Ratio Lower Upper
99 100
42 19.0 8.6 13.0#
71 35.6 23.4 35.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.128 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

Tgt Ion:136 Resp: 599843
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.6 3.6 5.4#
68 6.0 3.3 4.9#

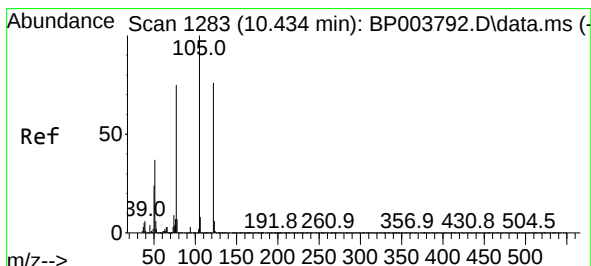
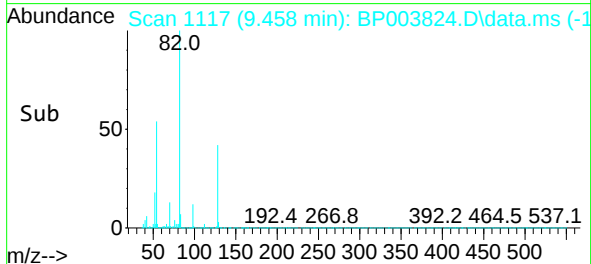
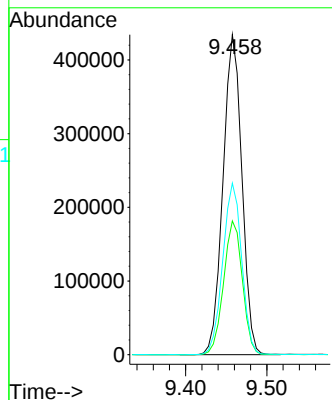
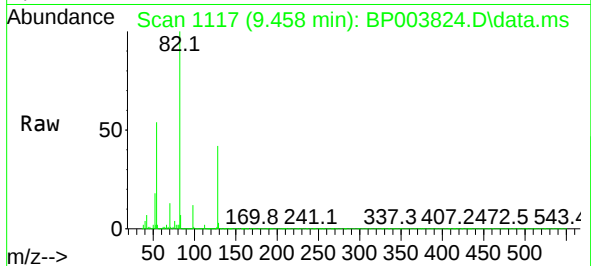




#23
Nitrobenzene-d5
Concen: 57.33 ng
RT: 9.458 min Scan# 1117
Delta R.T. -0.000 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

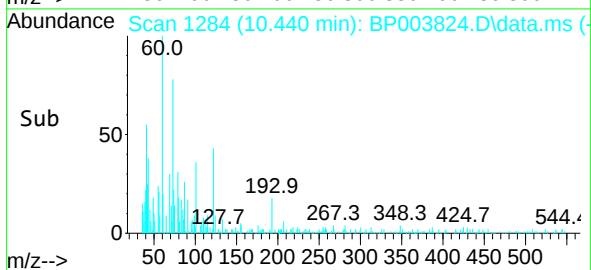
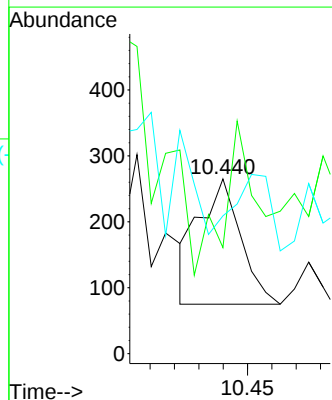
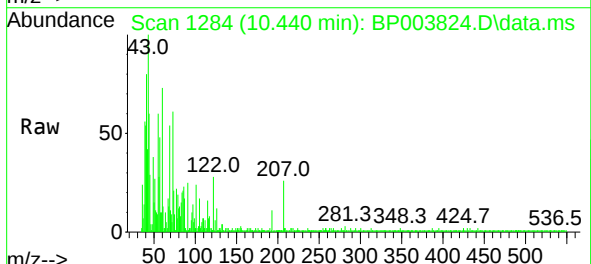
Instrument :
BNA_P
ClientSampled :
B-1

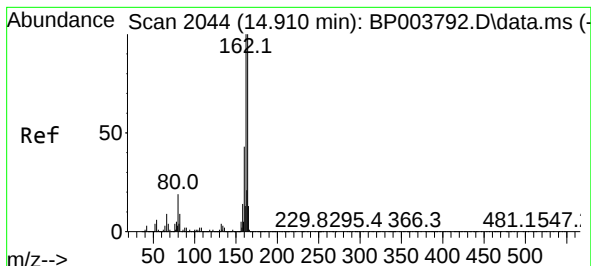
Tgt Ion: 82 Resp: 702181
Ion Ratio Lower Upper
82 100
128 41.8 45.6 68.4#
54 53.6 30.1 45.1#



#32
Benzoic acid
Concen: 8.34 ng
RT: 10.440 min Scan# 1284
Delta R.T. 0.006 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

Tgt Ion:122 Resp: 227
Ion Ratio Lower Upper
122 100
105 60.8 94.1 134.1#
77 78.9 50.1 90.1

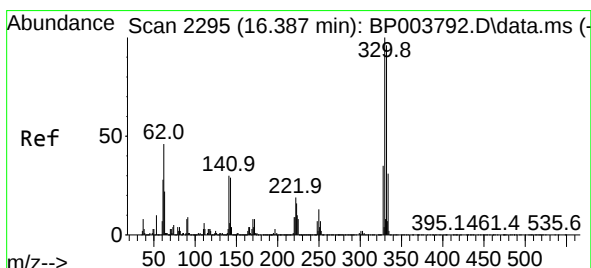
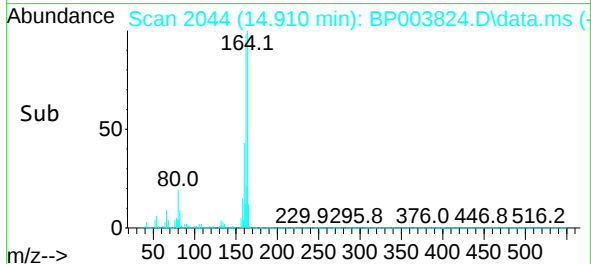
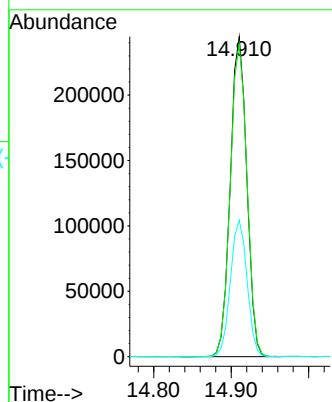
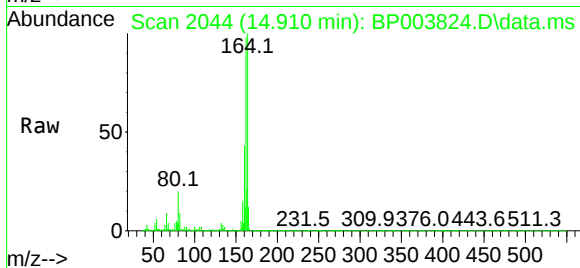




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.910 min Scan# 2044
Delta R.T. 0.000 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

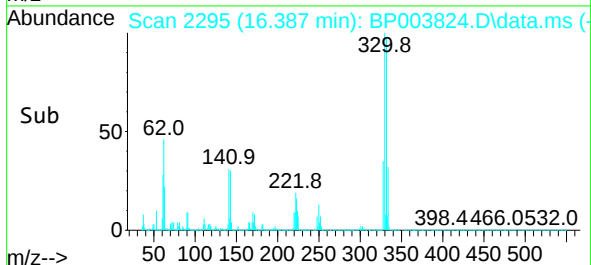
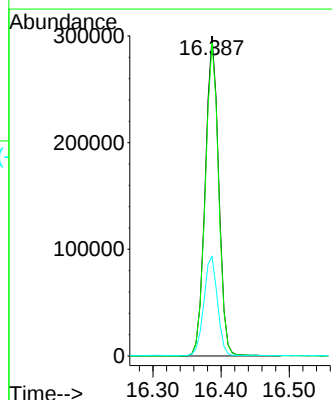
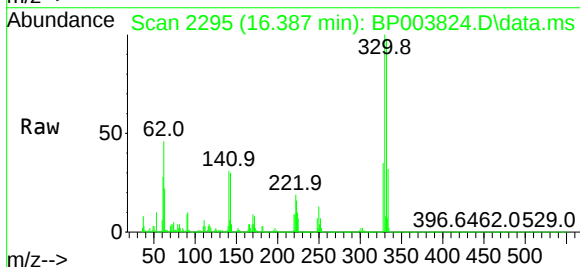
Instrument :
BNA_P
ClientSampled :
B-1

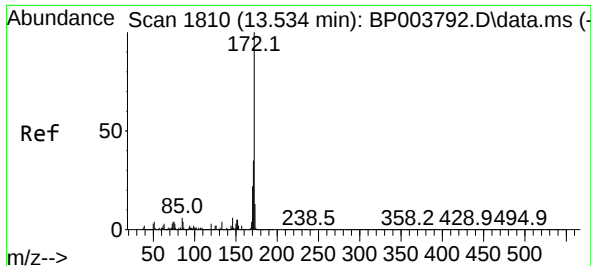
Tgt Ion:164 Resp: 362331
Ion Ratio Lower Upper
164 100
162 97.7 79.4 119.2
160 42.7 36.1 54.1



#42
2,4,6-Tribromophenol
Concen: 90.77 ng
RT: 16.387 min Scan# 2295
Delta R.T. -0.000 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

Tgt Ion:330 Resp: 411336
Ion Ratio Lower Upper
330 100
332 97.2 77.1 115.7
141 31.4 23.4 35.2

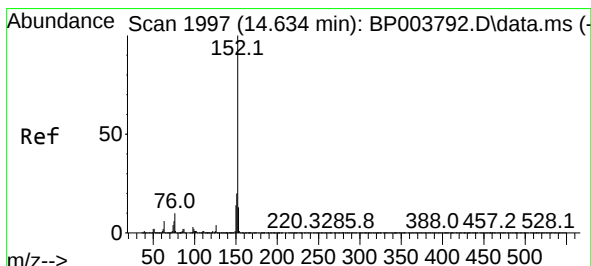
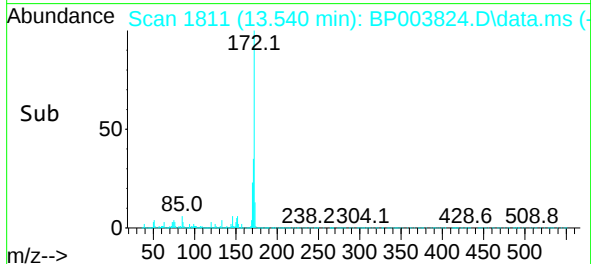
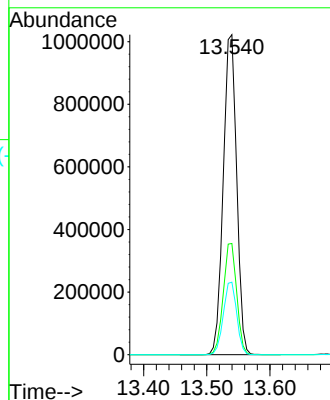
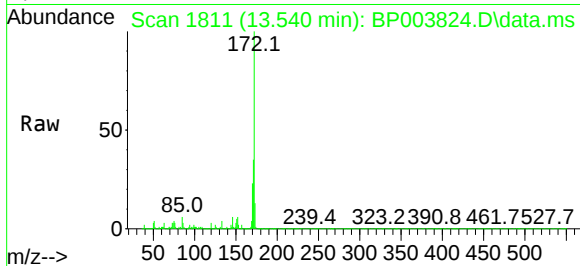




#45
2-Fluorobiphenyl
Concen: 58.10 ng
RT: 13.540 min Scan# 1811
Delta R.T. 0.006 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

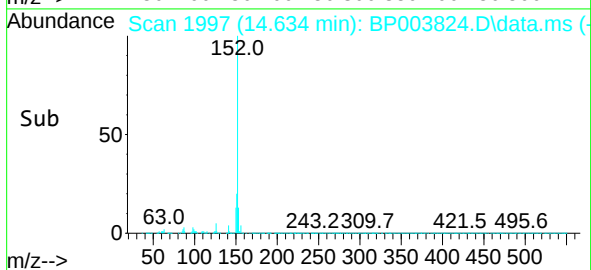
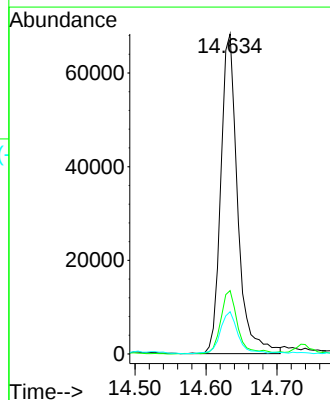
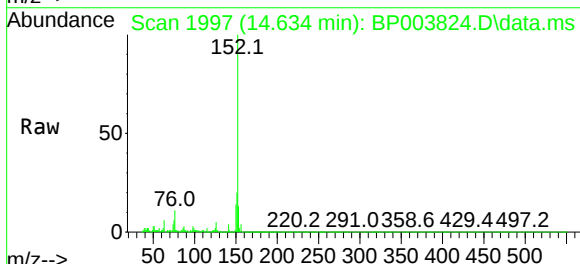
Instrument :
BNA_P
ClientSampled :
B-1

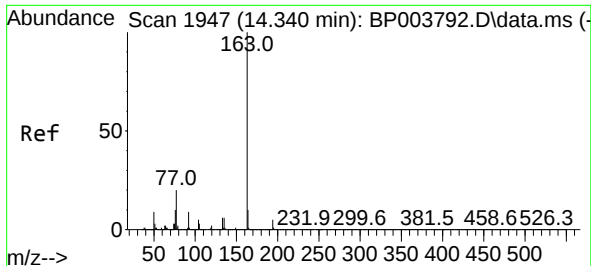
Tgt Ion:172 Resp: 1505742
Ion Ratio Lower Upper
172 100
171 34.7 28.5 42.7
170 22.7 19.2 28.8



#49
Acenaphthylene
Concen: 3.30 ng
RT: 14.634 min Scan# 1997
Delta R.T. 0.000 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

Tgt Ion:152 Resp: 111848
Ion Ratio Lower Upper
152 100
151 19.8 15.9 23.9
153 13.2 10.5 15.7

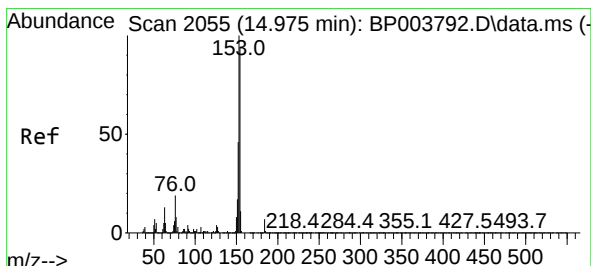
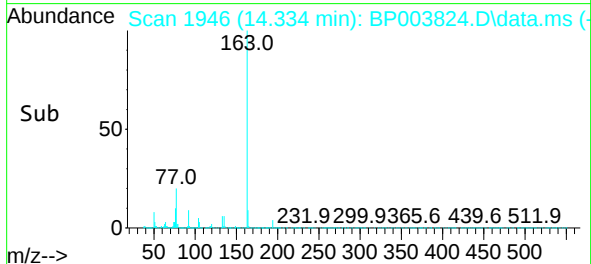
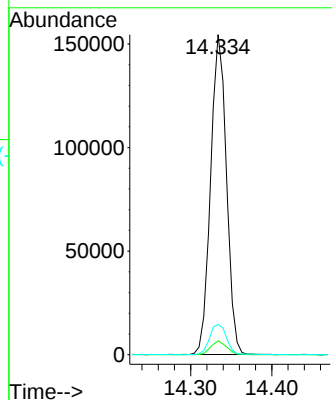
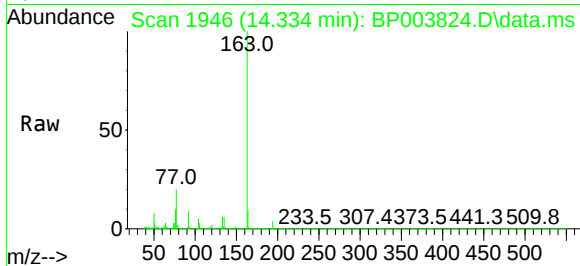




#50
Dimethylphthalate
Concen: 7.38 ng
RT: 14.334 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

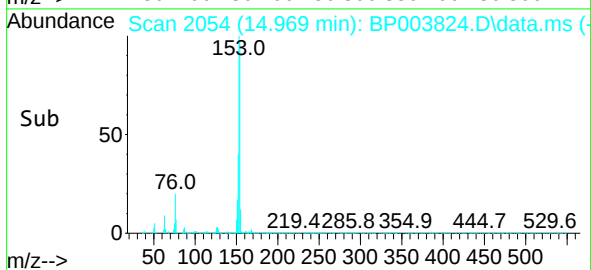
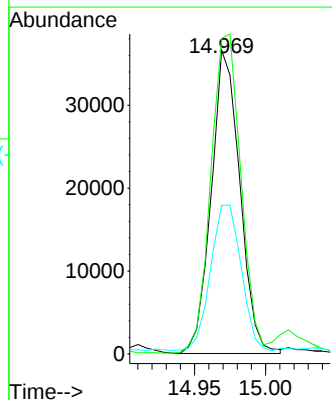
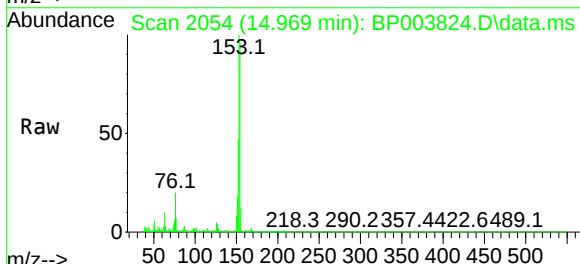
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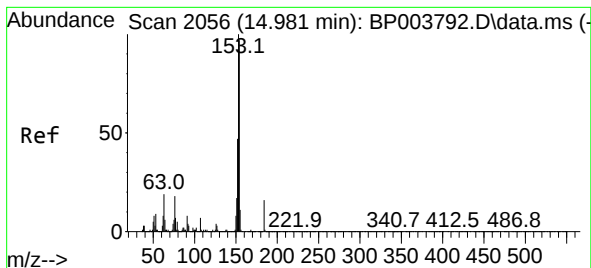
Tgt Ion:163 Resp: 208882
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 9.5 8.2 12.2



#52
Acenaphthene
Concen: 2.27 ng
RT: 14.969 min Scan# 2054
Delta R.T. -0.006 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

Tgt Ion:154 Resp: 51300
Ion Ratio Lower Upper
154 100
153 103.9 91.0 136.6
152 48.9 43.0 64.6

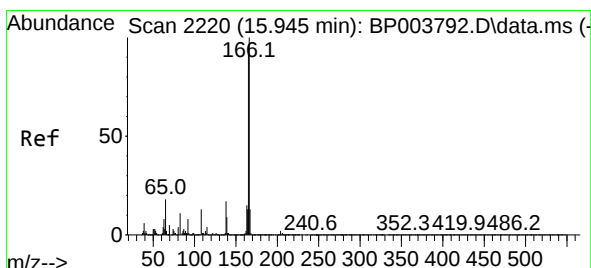
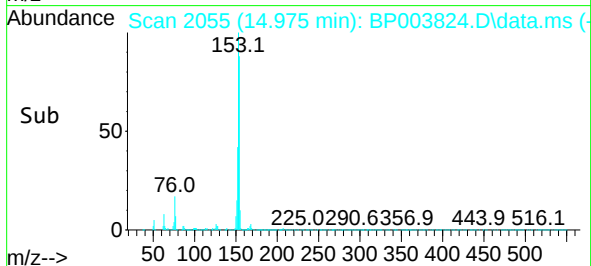
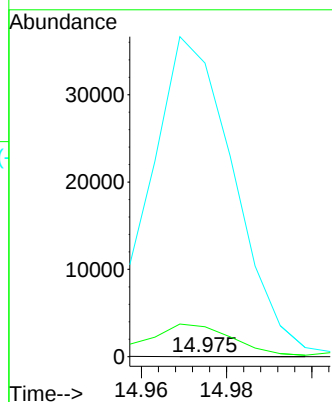
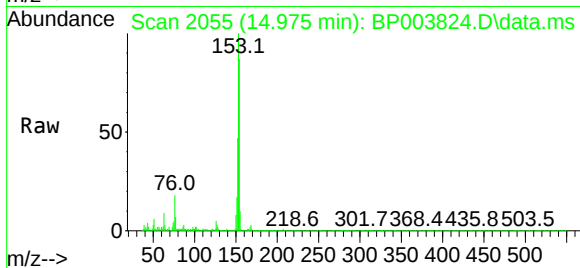




#54
2,4-Dinitrophenol
Concen: 2.74 ng
RT: 14.975 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

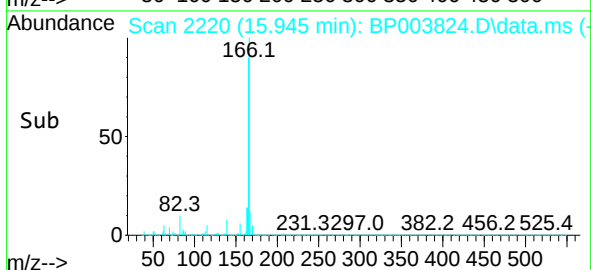
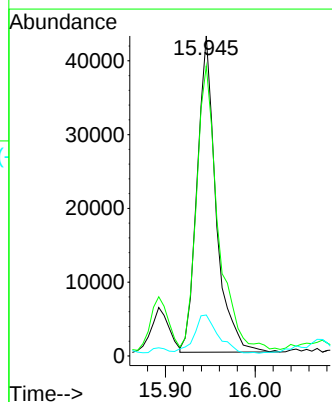
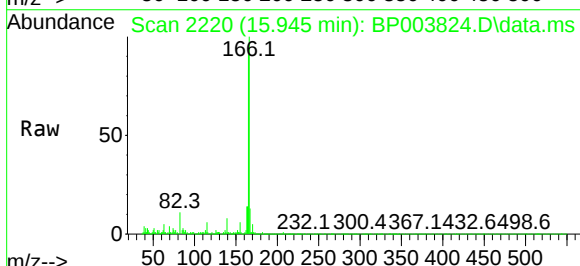
Instrument :
BNA_P
ClientSampled :
B-1

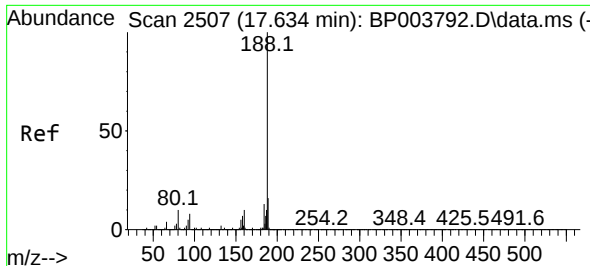
Tgt Ion:184 Resp: 16
Ion Ratio Lower Upper
184 100
63 14270.8 32.3 48.5#
154 140133.3 49.1 73.7#



#58
Fluorene
Concen: 2.34 ng
RT: 15.945 min Scan# 2220
Delta R.T. -0.000 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

Tgt Ion:166 Resp: 62845
Ion Ratio Lower Upper
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165 90.7 77.8 116.8
167 12.8 11.0 16.4

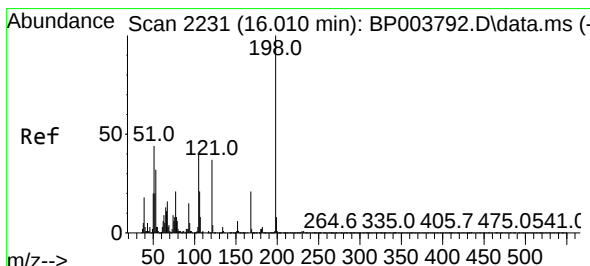
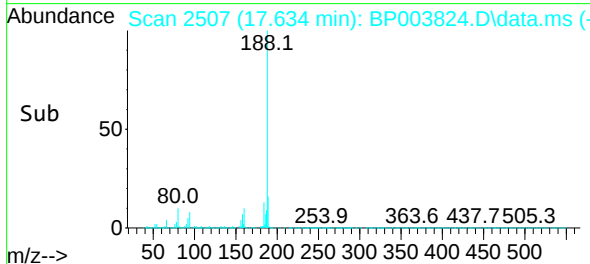
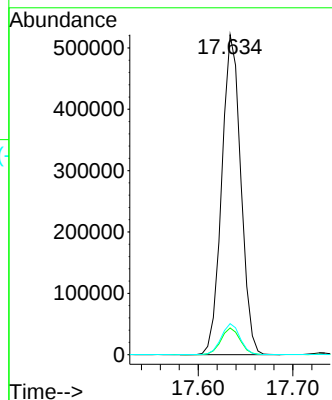
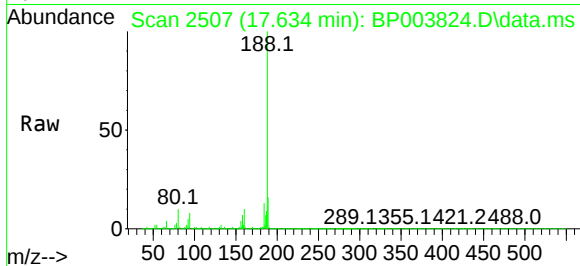




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.634 min Scan# 2507
Delta R.T. -0.000 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

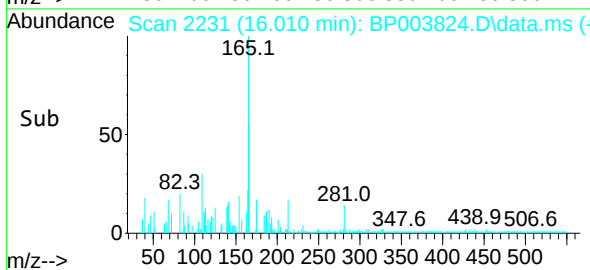
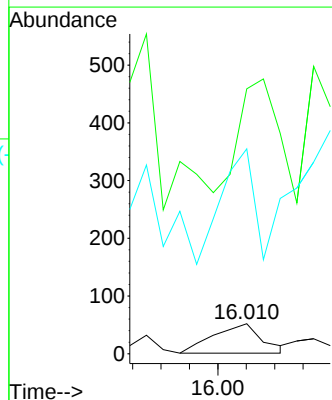
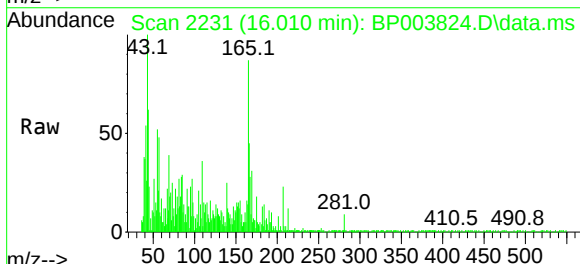
Instrument :
BNA_P
ClientSampled :
B-1

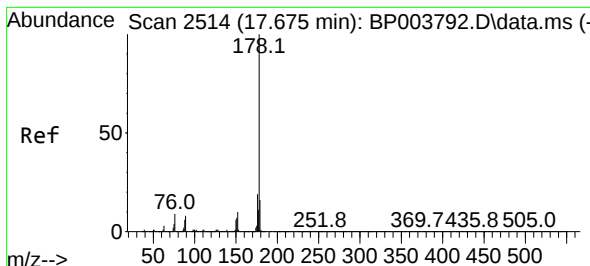
Tgt Ion:188 Resp: 730471
Ion Ratio Lower Upper
188 100
94 8.3 6.2 9.2
80 9.7 6.2 9.2#



#65
4,6-Dinitro-2-methylphenol
Concen: 6.36 ng
RT: 16.010 min Scan# 2231
Delta R.T. 0.000 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

Tgt Ion:198 Resp: 61
Ion Ratio Lower Upper
198 100
51 882.7 6.4 46.4#
105 682.7 18.9 58.9#

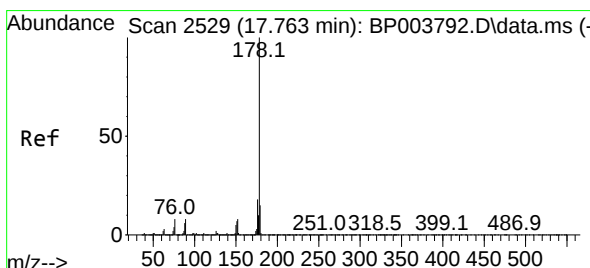
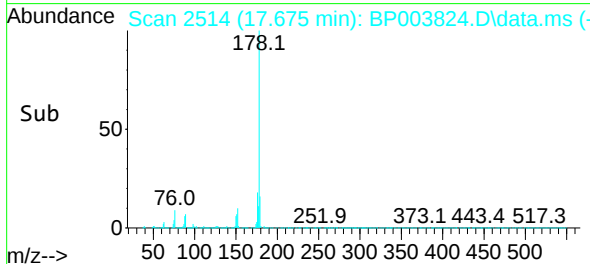
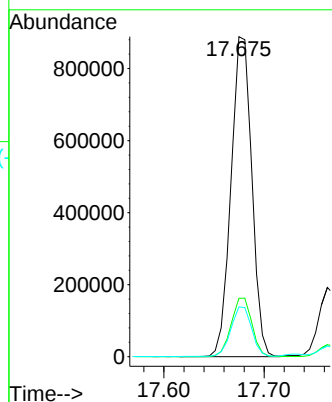
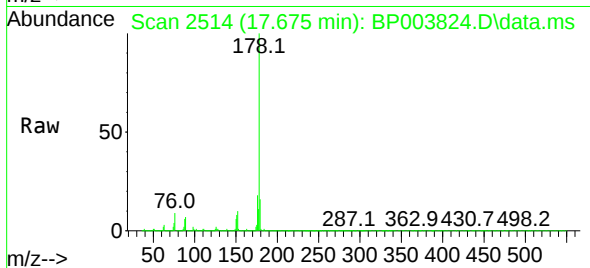




#71
Phenanthrene
Concen: 31.24 ng
RT: 17.675 min Scan# 2514
Delta R.T. 0.000 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

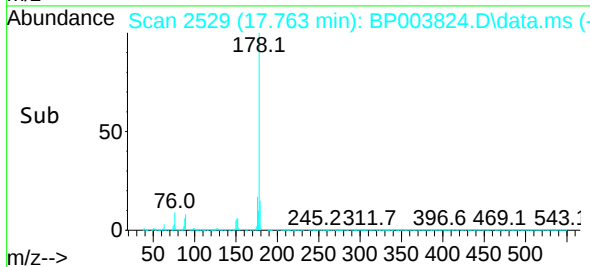
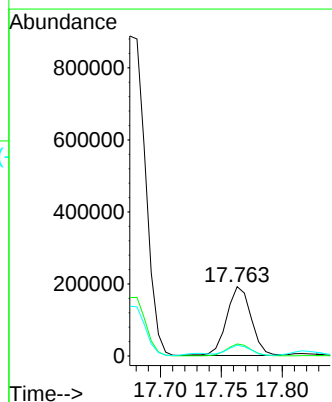
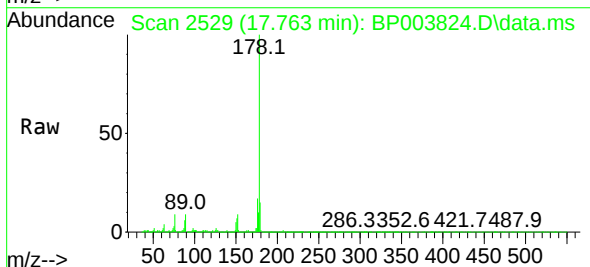
Instrument :
BNA_P
ClientSampled :
B-1

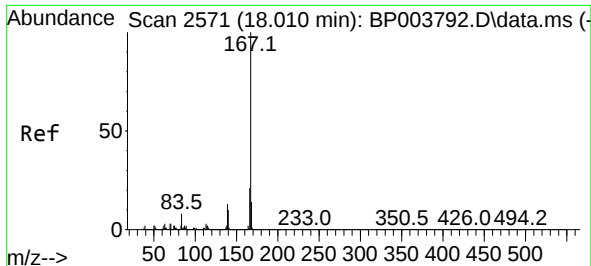
Tgt Ion:178 Resp: 1280794
Ion Ratio Lower Upper
178 100
176 18.3 15.3 22.9
179 15.6 12.5 18.7



#72
Anthracene
Concen: 6.76 ng
RT: 17.763 min Scan# 2529
Delta R.T. -0.000 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

Tgt Ion:178 Resp: 267711
Ion Ratio Lower Upper
178 100
176 17.3 15.0 22.4
179 15.4 12.5 18.7

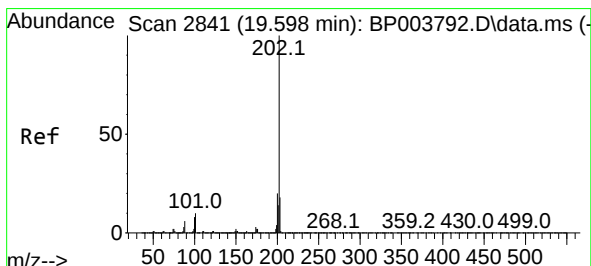
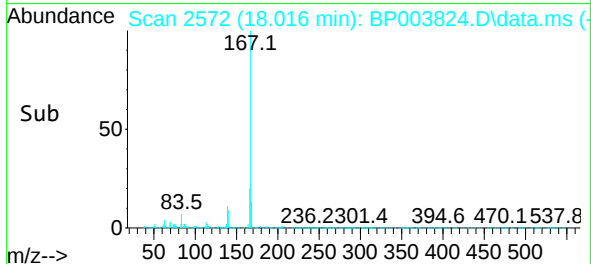
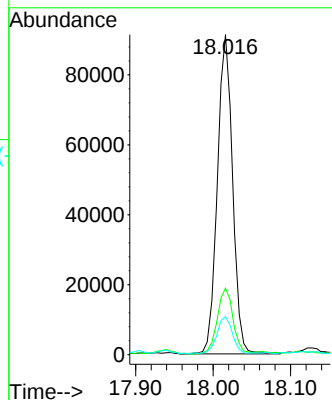
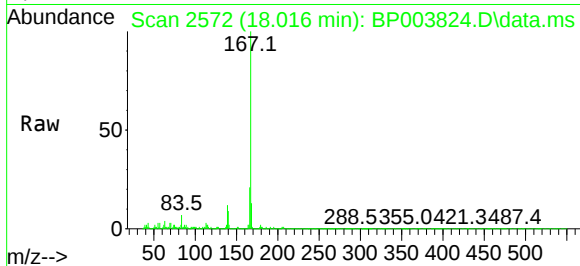




#73
 Carbazole
 Concen: 3.39 ng
 RT: 18.016 min Scan# 2572
 Delta R.T. 0.006 min
 Lab File: BP003824.D
 Acq: 05 Nov 2020 16:59

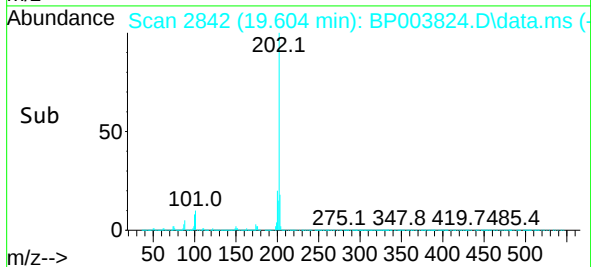
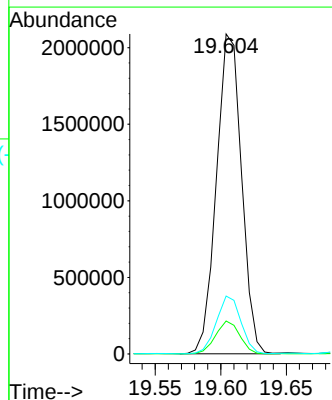
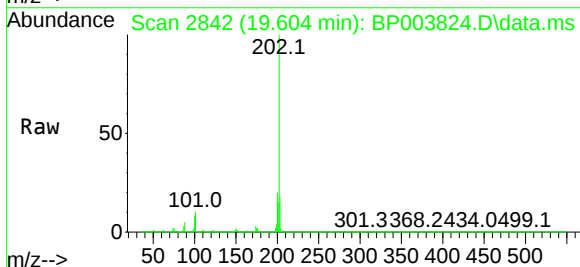
Instrument :
 BNA_P
 ClientSampled :
 B-1

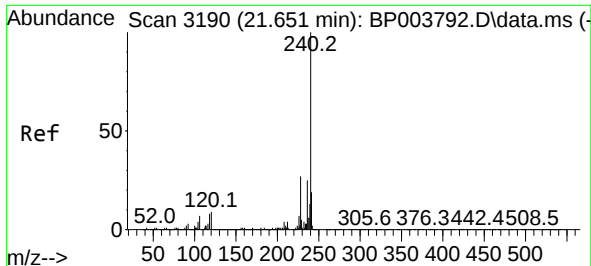
Tgt Ion:	167	Resp:	124690
Ion Ratio	Lower	Upper	
167	100		
166	20.8	17.6	26.4
139	11.9	10.2	15.4



#75
 Fluoranthene
 Concen: 58.64 ng
 RT: 19.604 min Scan# 2842
 Delta R.T. 0.006 min
 Lab File: BP003824.D
 Acq: 05 Nov 2020 16:59

Tgt Ion:	202	Resp:	2773799
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	29.4
203	18.1	0.0	37.8

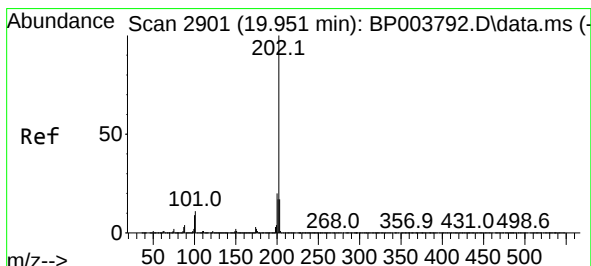
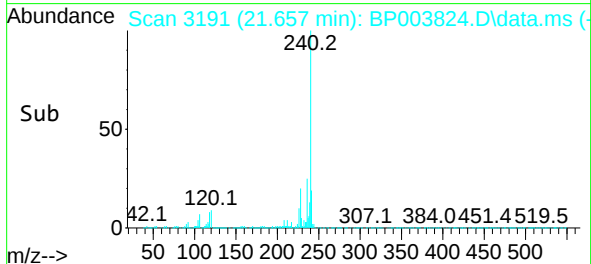
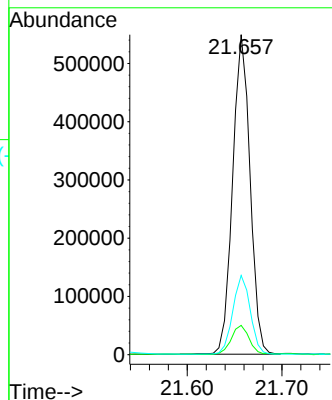
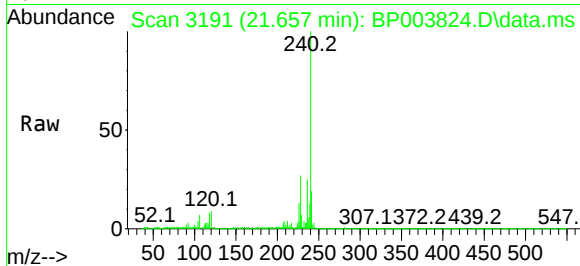




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.657 min Scan# 3191
Delta R.T. 0.006 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

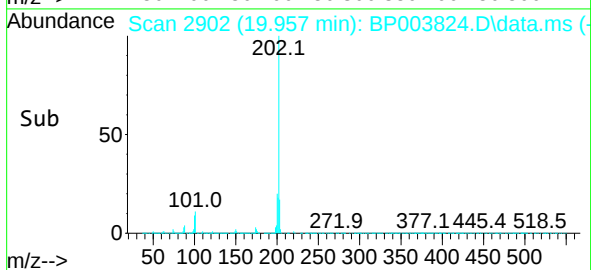
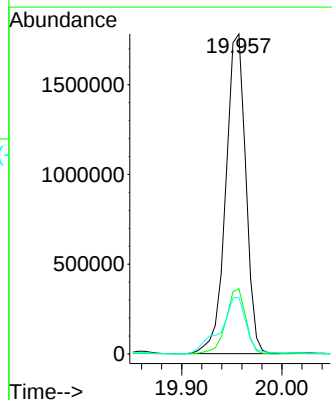
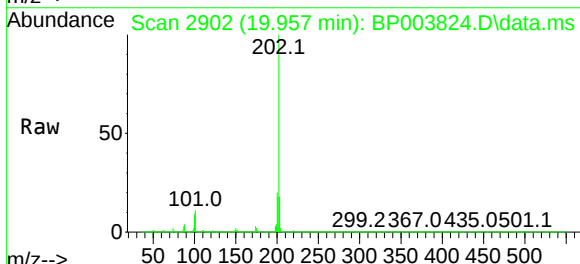
Instrument :
BNA_P
ClientSampled :
B-1

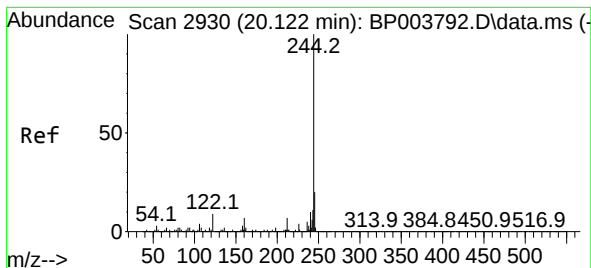
Tgt Ion:240 Resp: 698744
Ion Ratio Lower Upper
240 100
120 9.1 7.8 11.6
236 24.8 20.8 31.2



#78
Pyrene
Concen: 52.15 ng
RT: 19.957 min Scan# 2902
Delta R.T. 0.006 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

Tgt Ion:202 Resp: 2472642
Ion Ratio Lower Upper
202 100
200 20.4 17.1 25.7
203 17.7 14.2 21.2

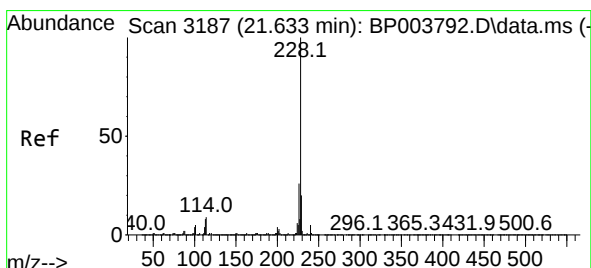
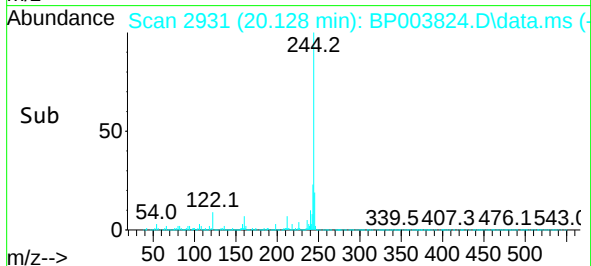
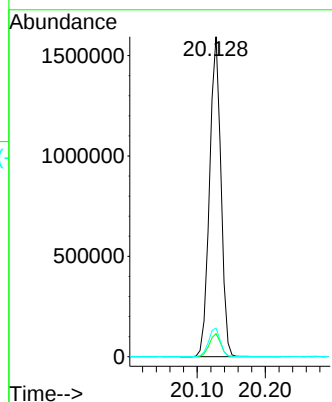
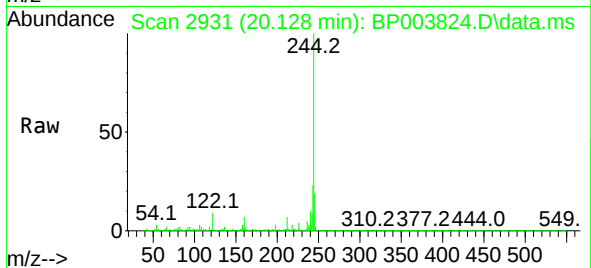




#79
 Terphenyl-d14
 Concen: 51.16 ng
 RT: 20.128 min Scan# 2931
 Delta R.T. 0.006 min
 Lab File: BP003824.D
 Acq: 05 Nov 2020 16:59

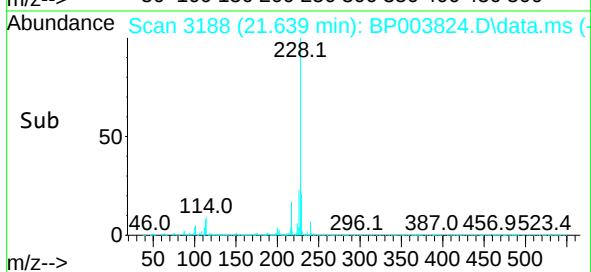
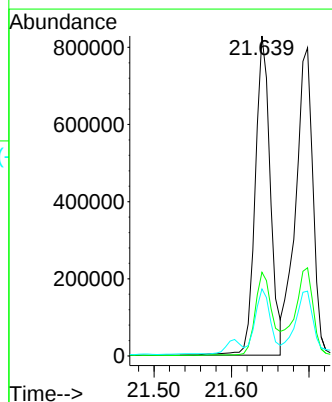
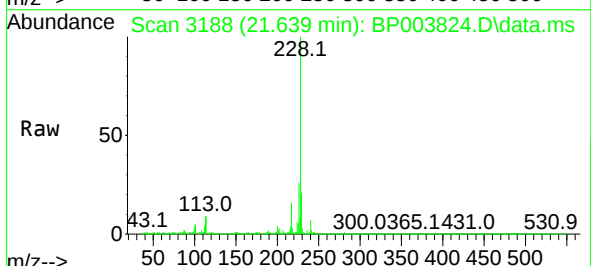
Instrument :
 BNA_P
 ClientSampleId :
 B-1

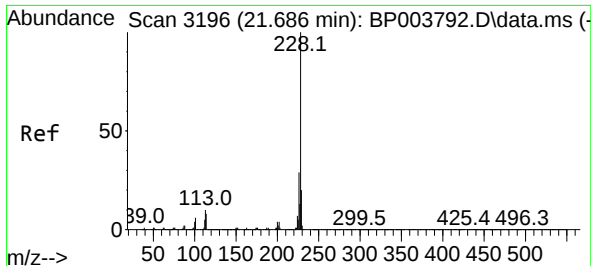
Tgt Ion:244 Resp: 1850391
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 9.0 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 24.40 ng
 RT: 21.639 min Scan# 3188
 Delta R.T. 0.006 min
 Lab File: BP003824.D
 Acq: 05 Nov 2020 16:59

Tgt Ion:228 Resp: 1124297
 Ion Ratio Lower Upper
 228 100
 226 26.1 22.1 33.1
 229 21.0 15.9 23.9

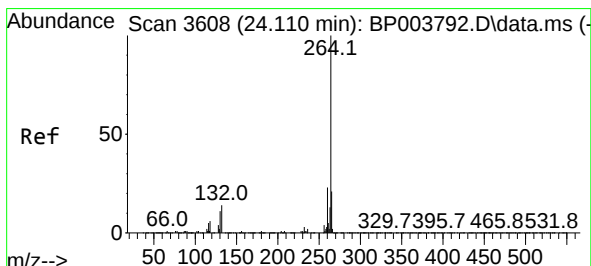
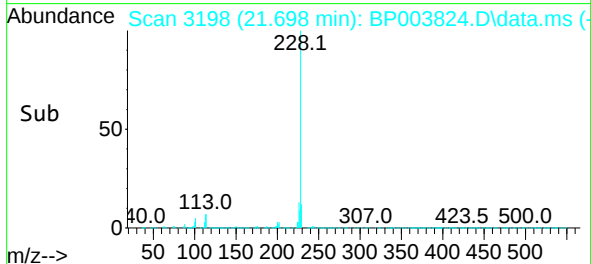
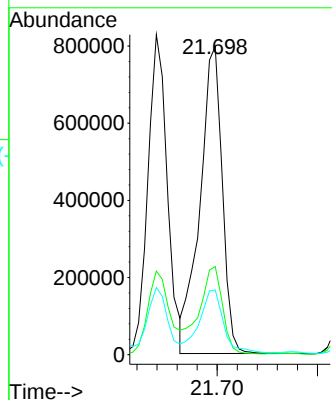
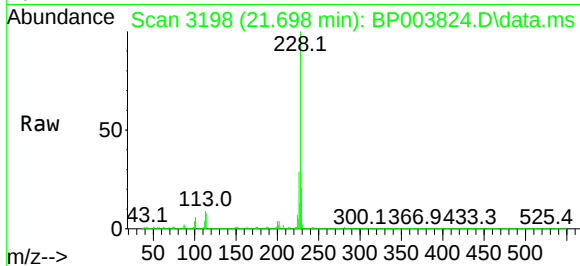




#83
Chrysene
Concen: 27.86 ng
RT: 21.698 min Scan# 3198
Delta R.T. 0.012 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

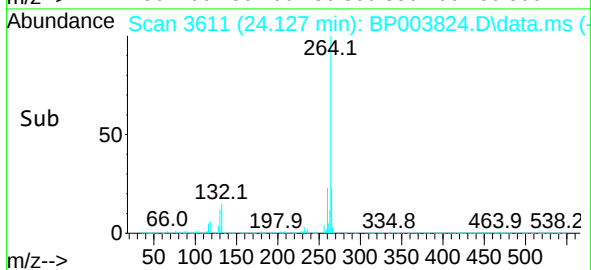
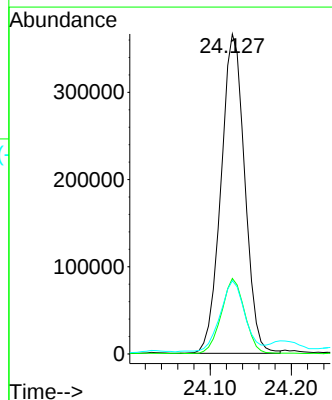
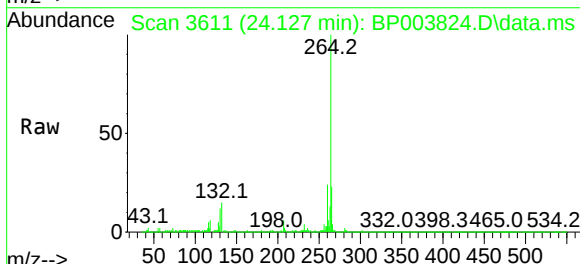
Instrument :
BNA_P
ClientSampled :
B-1

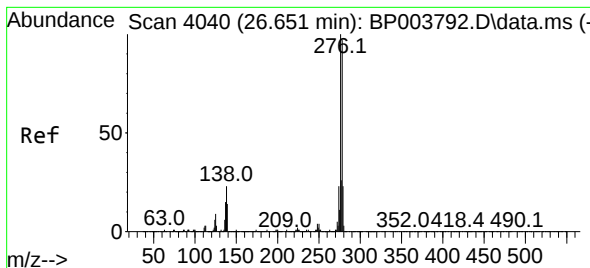
Tgt Ion:228 Resp: 1233329
Ion Ratio Lower Upper
228 100
226 28.6 24.4 36.6
229 21.0 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 24.127 min Scan# 3611
Delta R.T. 0.018 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

Tgt Ion:264 Resp: 743012
Ion Ratio Lower Upper
264 100
260 23.6 18.8 28.2
265 22.9 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 14.92 ng

RT: 26.668 min Scan# 4043

Delta R.T. 0.018 min

Lab File: BP003824.D

Acq: 05 Nov 2020 16:59

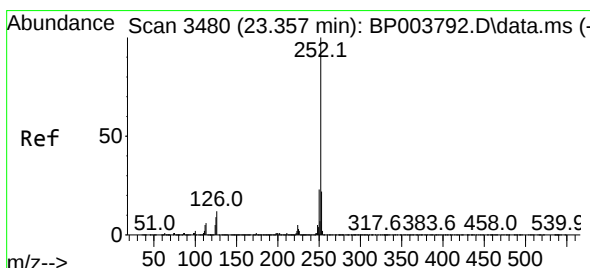
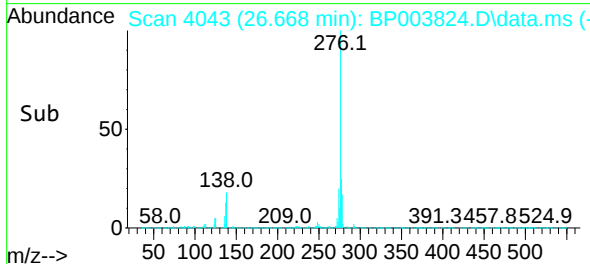
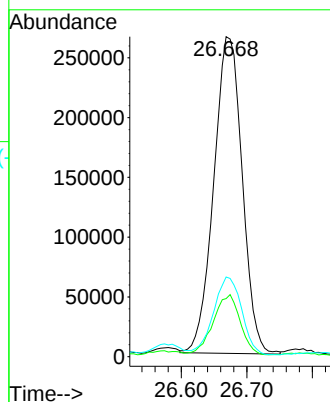
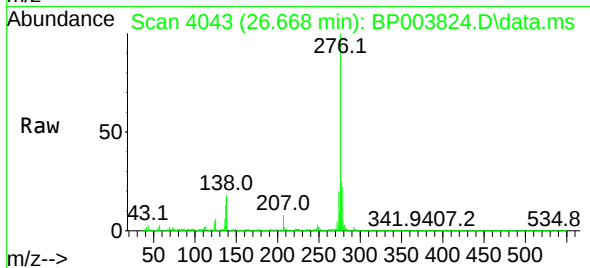
Instrument :

BNA_P

ClientSampled :

B-1

Tgt Ion:	276	Resp:	799647
Ion Ratio	Lower	Upper	
276	100		
138	18.1	18.7	28.1#
277	24.6	20.4	30.6



#88

Benzo(b)fluoranthene

Concen: 42.86 ng

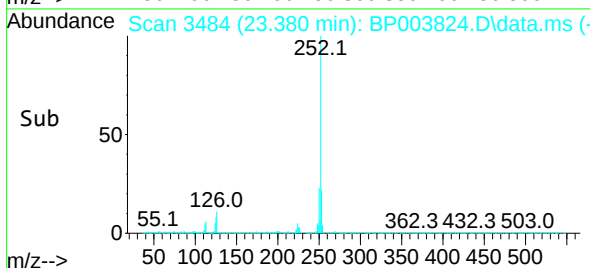
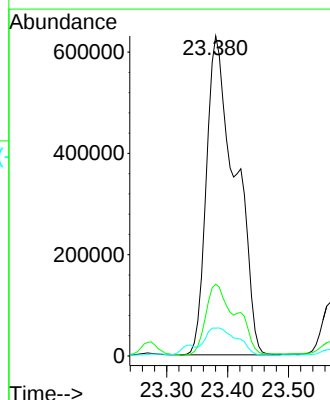
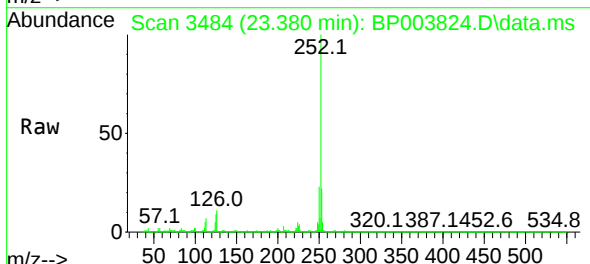
RT: 23.380 min Scan# 3484

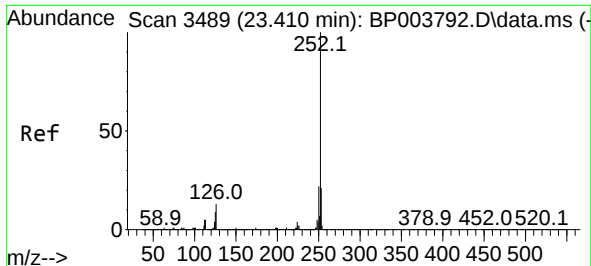
Delta R.T. 0.024 min

Lab File: BP003824.D

Acq: 05 Nov 2020 16:59

Tgt Ion:	252	Resp:	2083855
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.6	26.4
125	8.7	7.3	10.9

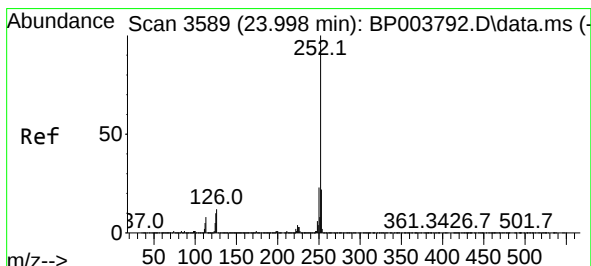
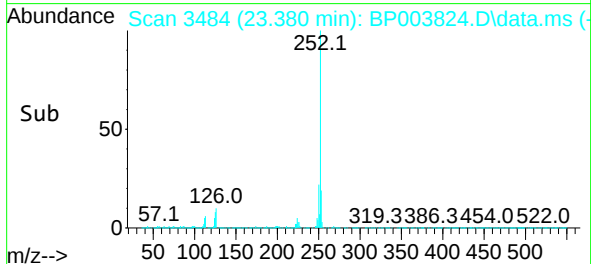
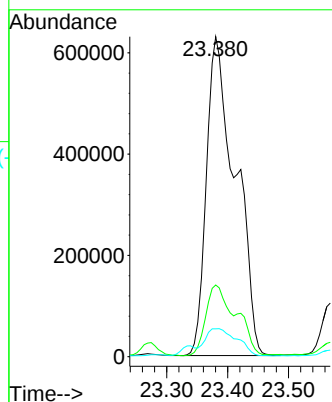
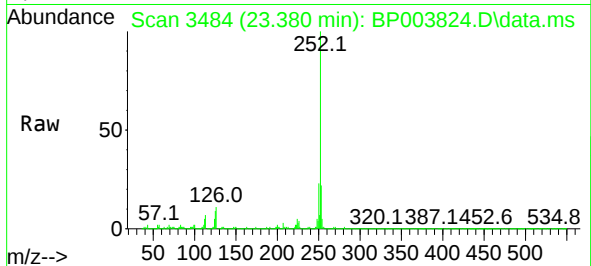




#89
Benzo(k)fluoranthene
Concen: 43.40 ng
RT: 23.380 min Scan# 3484
Delta R.T. -0.029 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

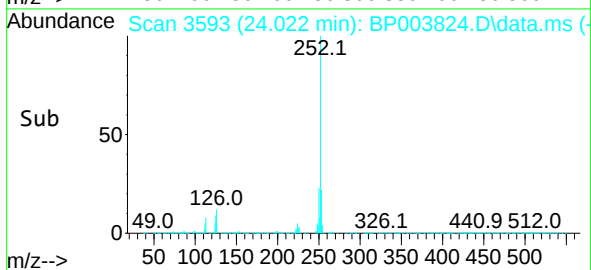
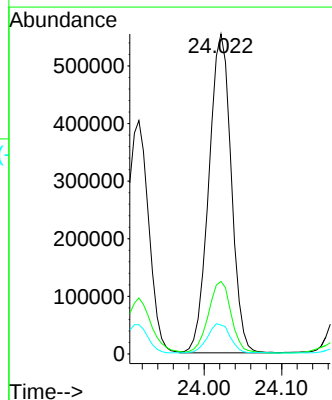
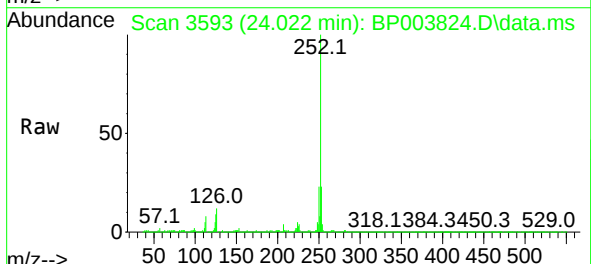
Instrument :
BNA_P
ClientSampleId :
B-1

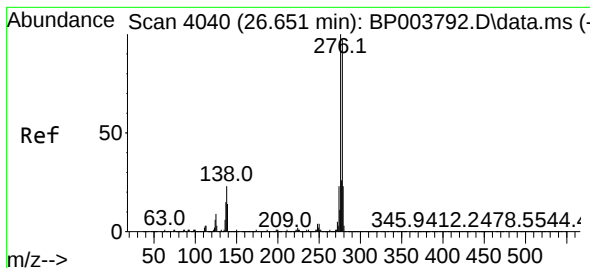
Tgt Ion:252 Resp: 2083855
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 8.7 7.4 11.2



#90
Benzo(a)pyrene
Concen: 24.66 ng
RT: 24.022 min Scan# 3593
Delta R.T. 0.024 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

Tgt Ion:252 Resp: 1110087
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 9.1 8.2 12.4

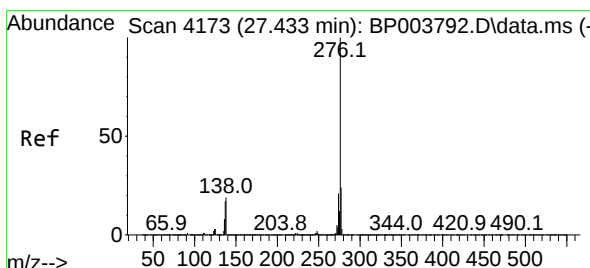
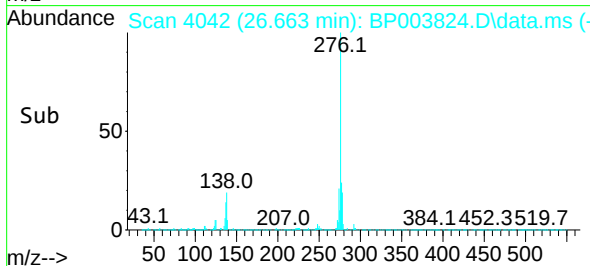
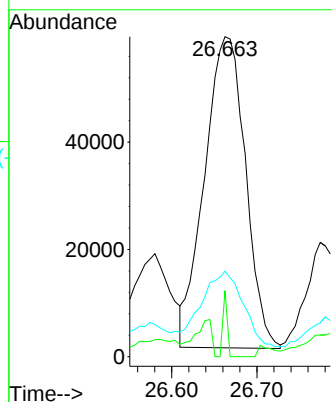
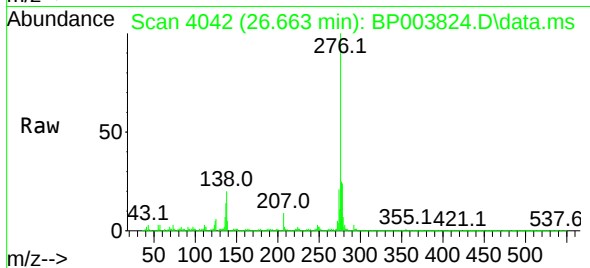




#91
Dibenzo(a,h)anthracene
Concen: 4.34 ng
RT: 26.663 min Scan# 4042
Delta R.T. 0.012 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

Instrument :
BNA_P
ClientSampled :
B-1

Tgt Ion:278 Resp: 193706
Ion Ratio Lower Upper
278 100
139 20.6 12.4 18.6#
279 26.7 19.0 28.6



#92
Benzo(g,h,i)perylene
Concen: 19.12 ng
RT: 27.462 min Scan# 4178
Delta R.T. 0.029 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

Tgt Ion:276 Resp: 826759
Ion Ratio Lower Upper
276 100
277 23.5 19.0 28.6
138 18.4 16.6 24.8

