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 Data File : BP009608.D
 Acq On : 29 Mar 2022 23:00
 Operator : CG/JU
 Sample : N2155-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

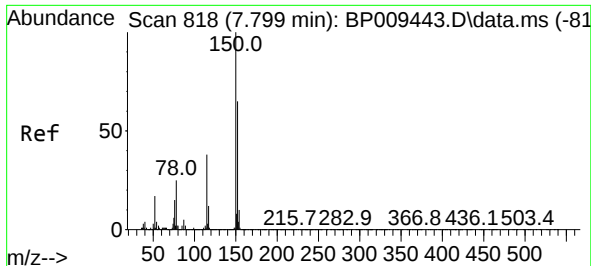
Instrument :
 BNA_P
 ClientSampleId :
 22L076-H

Quant Time: Mar 30 04:11:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 30 04:00:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	255857	20.000	ng	0.00
21) Naphthalene-d8	10.551	136	1021792	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	640664	20.000	ng	0.00
64) Phenanthrene-d10	17.175	188	1308002	20.000	ng	0.00
76) Chrysene-d12	21.292	240	1340734	20.000	ng	0.00
86) Perylene-d12	23.686	264	1485781	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	407228	27.789	ng	0.00
7) Phenol-d6	6.952	99	1858459	93.776	ng	0.00
23) Nitrobenzene-d5	8.916	82	1503810	78.209	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	176387	16.684	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	3587886	77.636	ng	0.00
79) Terphenyl-d14	19.757	244	5559399	74.426	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.916	77	10933	Below Cal	#	61
10) Phenol	6.981	94	98414	4.950	ng	86
20) 3+4-Methylphenols	8.569	107	47412	2.517	ng	87
31) Naphthalene	10.604	128	665433	12.643	ng	100
33) 4-Chloroaniline	10.604	127	83635	3.894	ng	# 34
37) 2-Methylnaphthalene	12.222	142	408969	11.075	ng	99
38) 1-Methylnaphthalene	12.440	142	295432	8.212	ng	99
41) Hexachlorocyclopentadiene	12.422	237	20	7.290	ng	74
52) Acenaphthene	14.475	154	244010	7.032	ng	98
54) 2,4-Dinitrophenol	14.534	184	324	4.581	ng	# 1
55) Dibenzofuran	14.810	168	141458	2.427	ng	# 93
58) Fluorene	15.463	166	283738	6.189	ng	98
71) Phenanthrene	17.216	178	1888785	26.976	ng	100
72) Anthracene	17.310	178	452109	6.540	ng	98
75) Fluoranthene	19.198	202	1570995	18.533	ng	99
78) Pyrene	19.551	202	1606535	18.184	ng	99
81) Benzo(a)anthracene	21.274	228	725460	8.236	ng	98
83) Chrysene	21.327	228	717498	8.602	ng	97
84) Bis(2-ethylhexyl)phtha...	21.210	149	140072	2.676	ng	# 97
87) Indeno(1,2,3-cd)pyrene	26.174	276	320054	2.839	ng	95
88) Benzo(b)fluoranthene	22.957	252	811493	9.149	ng	# 91
89) Benzo(k)fluoranthene	22.957	252	811493	9.344	ng	# 91
90) Benzo(a)pyrene	23.580	252	579699	7.639	ng	# 93
92) Benzo(g,h,i)perylene	26.945	276	340740	3.687	ng	# 91

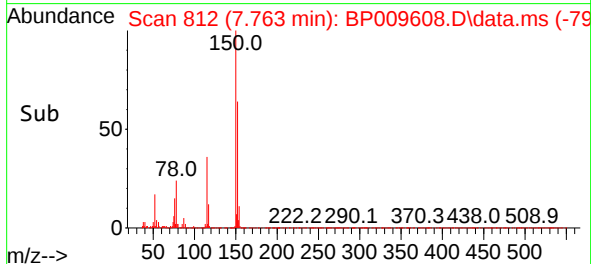
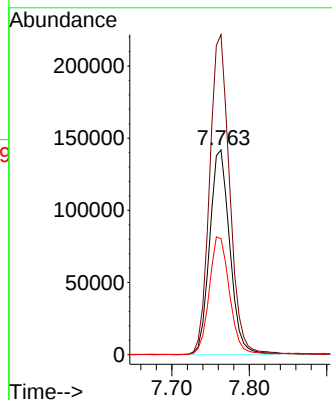
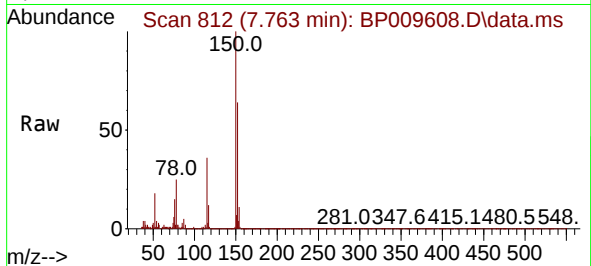
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

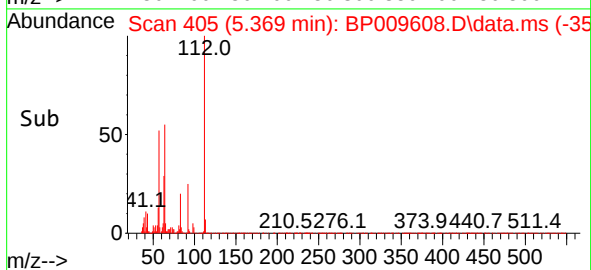
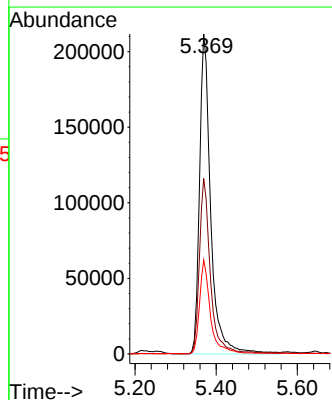
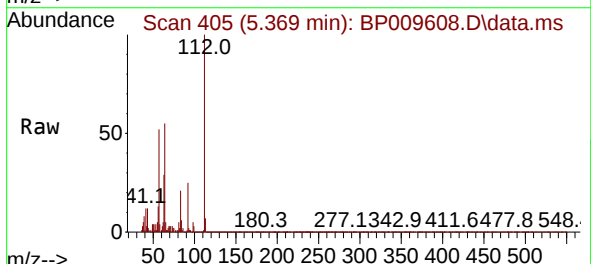
Instrument :
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22L076-H

Tgt Ion:152 Resp: 255857
Ion Ratio Lower Upper
152 100
150 156.2 124.5 186.7
115 56.7 48.2 72.4



#5
2-Fluorophenol
Concen: 27.789 ng
RT: 5.369 min Scan# 405
Delta R.T. 0.000 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

Tgt Ion:112 Resp: 407228
Ion Ratio Lower Upper
112 100
64 54.9 45.0 67.4
63 29.4 23.0 34.6

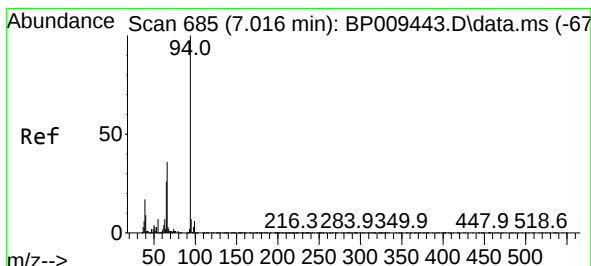
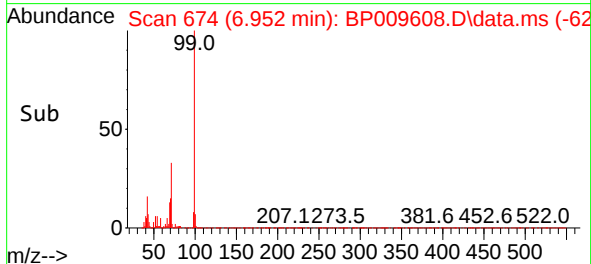
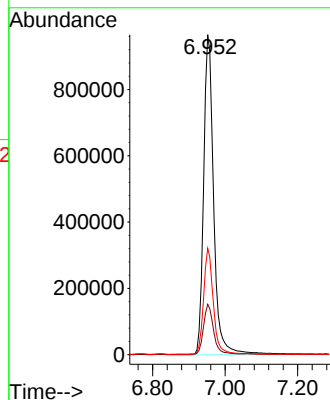
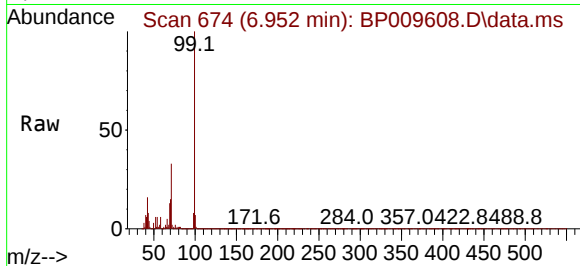




#7
Phenol-d6
Concen: 93.776 ng
RT: 6.952 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

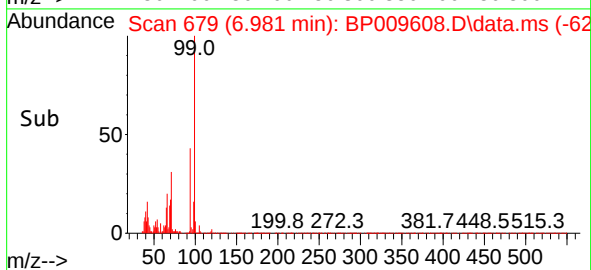
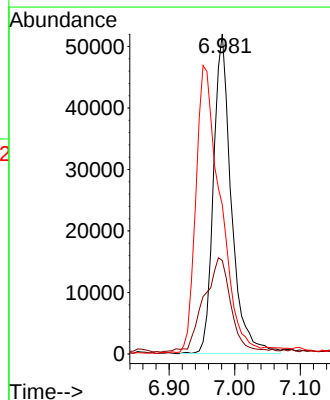
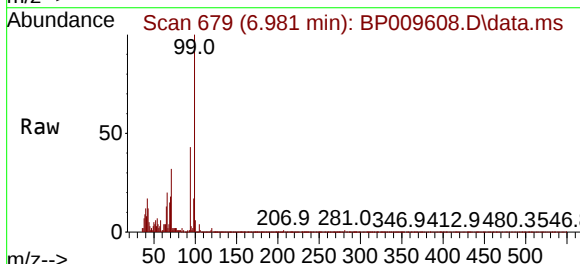
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ClientSampleId :
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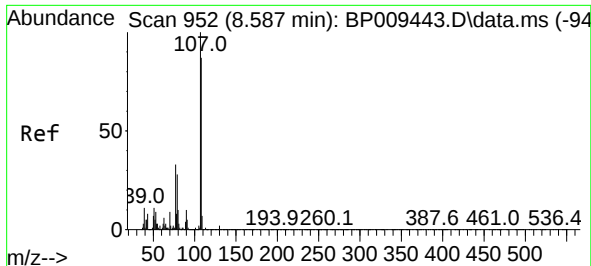
Tgt Ion: 99 Resp: 1858459
Ion Ratio Lower Upper
99 100
42 15.7 12.8 19.2
71 33.3 26.3 39.5



#10
Phenol
Concen: 4.950 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.000 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

Tgt Ion: 94 Resp: 98414
Ion Ratio Lower Upper
94 100
65 29.2 7.2 47.2
66 46.6 14.3 54.3

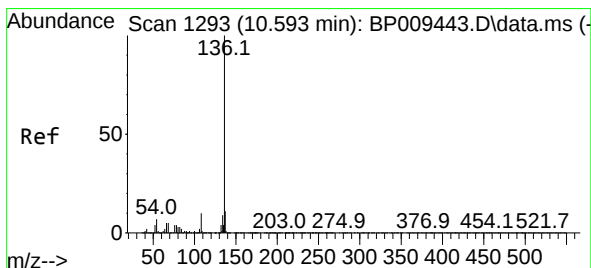
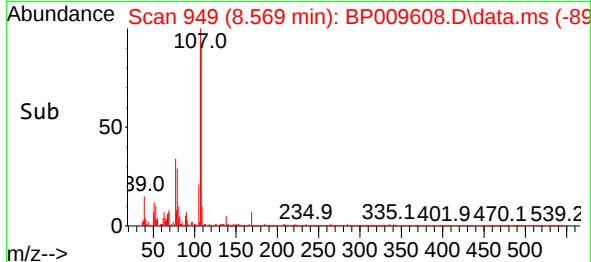
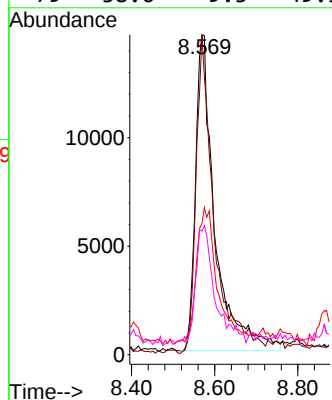
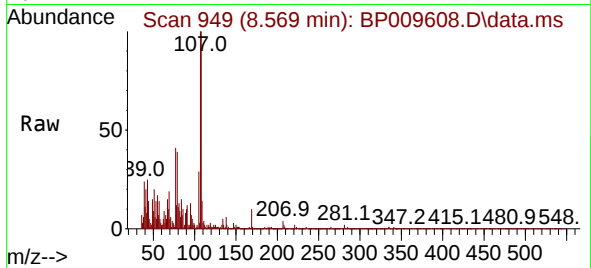




#20
3+4-Methylphenols
Concen: 2.517 ng
RT: 8.569 min Scan# 94
Delta R.T. 0.018 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

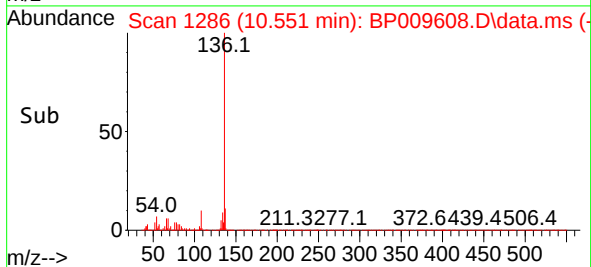
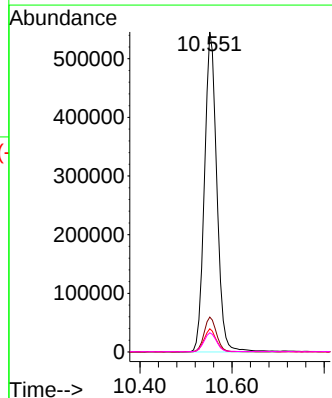
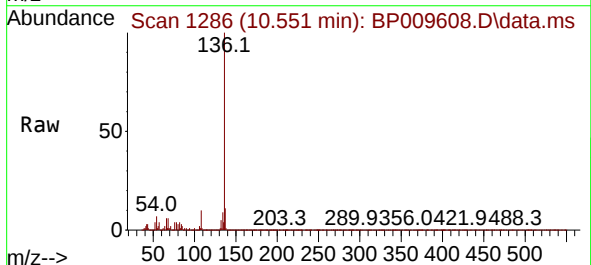
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ClientSampleId :
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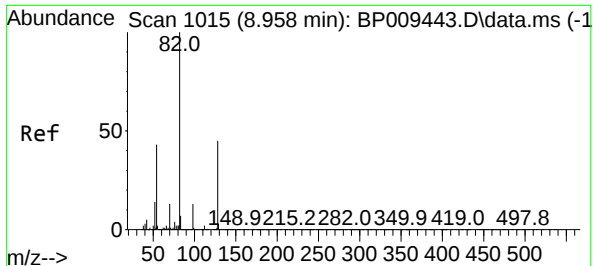
Tgt Ion:107	Resp:	47412
Ion	Ratio	Lower Upper
107	100	
108	99.7	69.4 109.4
77	41.0	13.6 53.6
79	38.6	9.3 49.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.551 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

Tgt Ion:136	Resp:	1021792
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.6 12.8
54	7.3	5.8 8.8
68	6.0	5.2 7.8

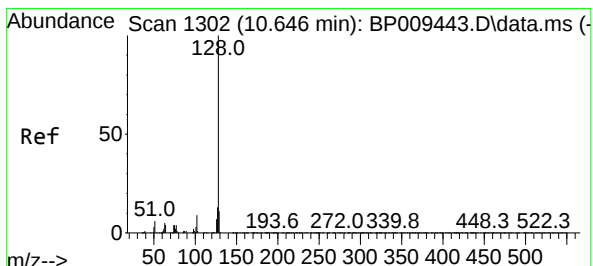
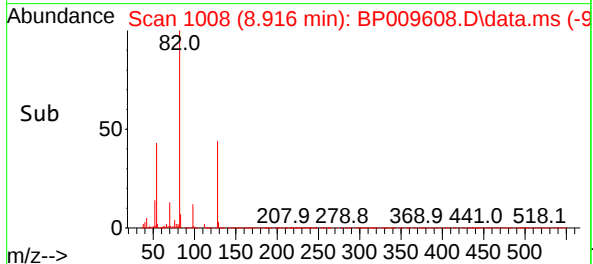
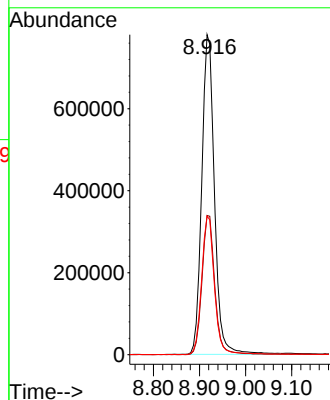
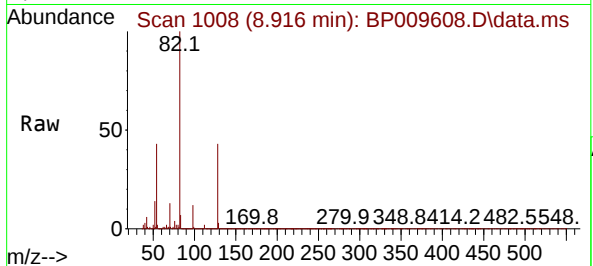




#23
Nitrobenzene-d5
Concen: 78.209 ng
RT: 8.916 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

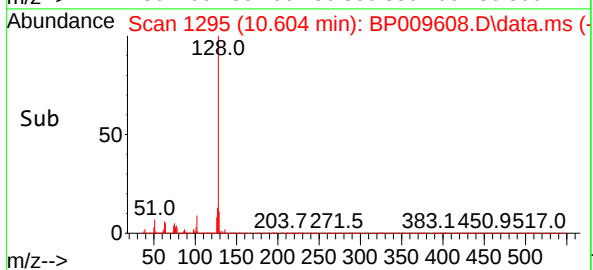
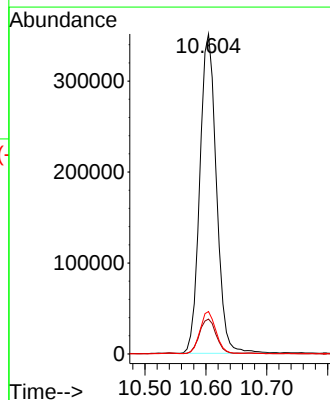
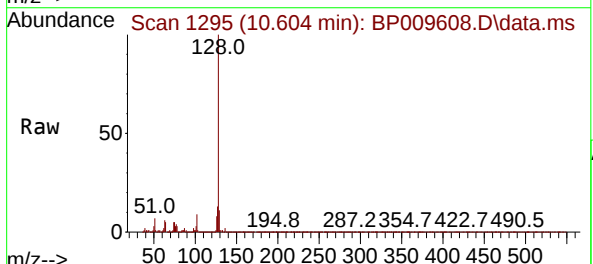
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BNA_P
ClientSampleId :
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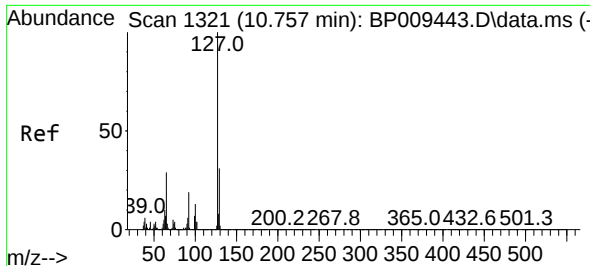
Tgt Ion: 82 Resp: 1503810
Ion Ratio Lower Upper
82 100
128 43.5 34.2 51.4
54 43.4 34.7 52.1



#31
Naphthalene
Concen: 12.643 ng
RT: 10.604 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

Tgt Ion: 128 Resp: 665433
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 13.3 10.5 15.7

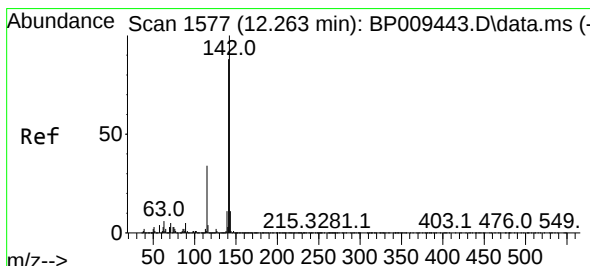
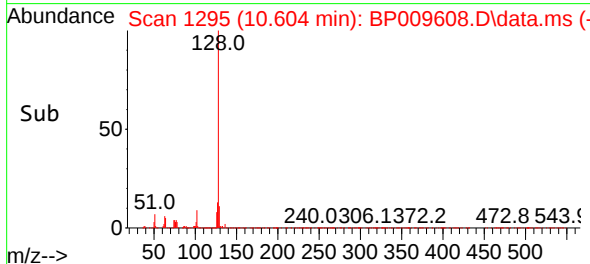
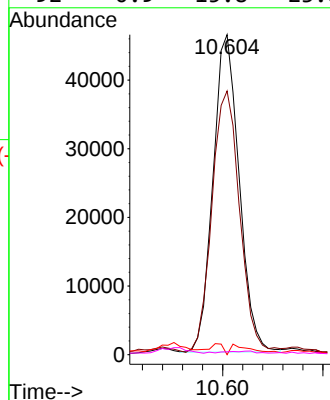
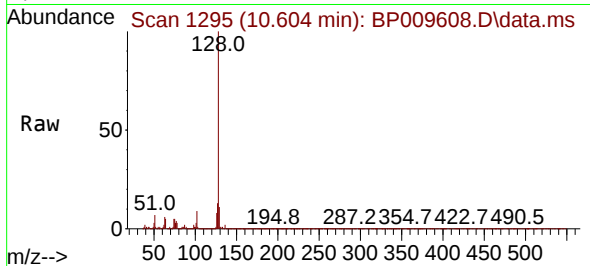




#33
4-Chloroaniline
Concen: 3.894 ng
RT: 10.604 min Scan# 11
Delta R.T. -0.123 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

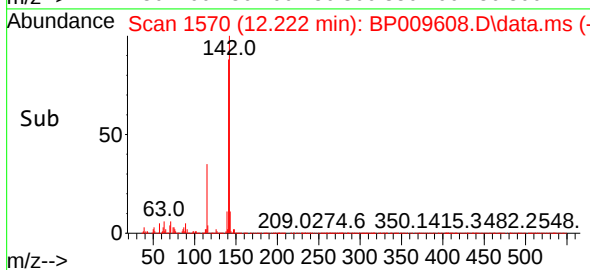
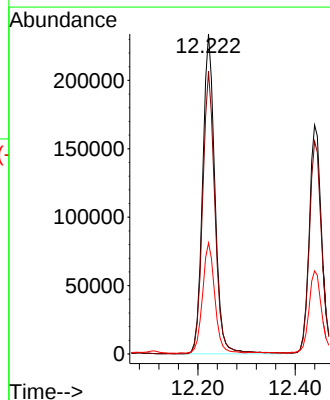
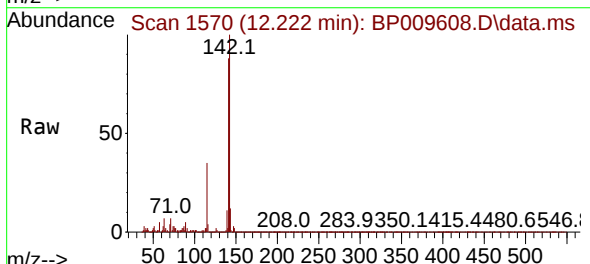
Instrument :
BNA_P
ClientSampleId :
22L076-H

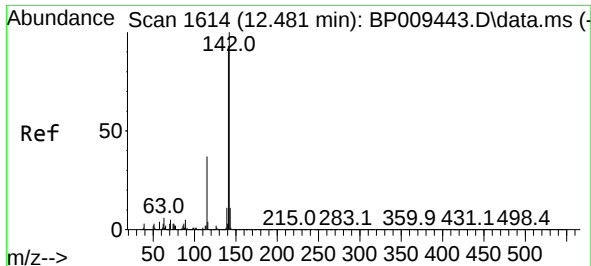
Tgt Ion:	127	Resp:	83635
Ion	Ratio	Lower	Upper
127	100		
129	82.4	25.5	38.3#
65	0.0	24.3	36.5#
92	0.9	15.8	23.8#



#37
2-Methylnaphthalene
Concen: 11.075 ng
RT: 12.222 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

Tgt Ion:	142	Resp:	408969
Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.2	105.4
115	34.7	27.4	41.2

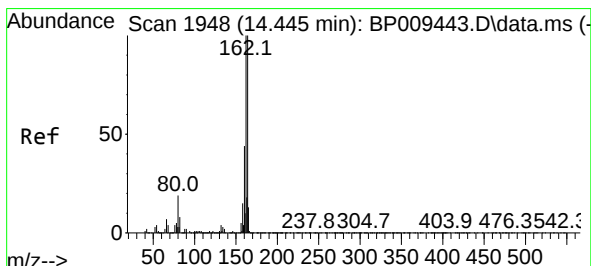
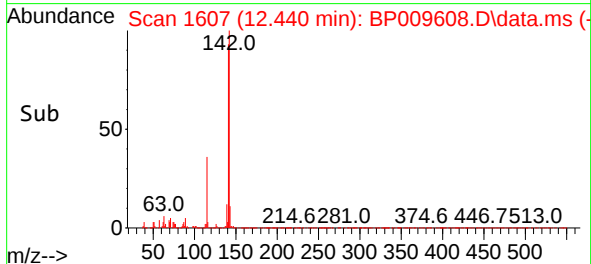
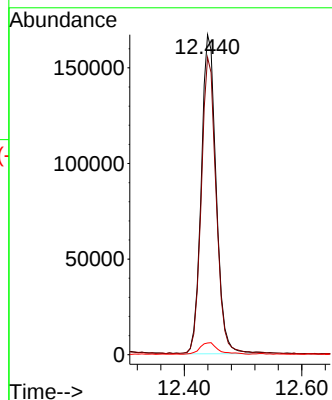
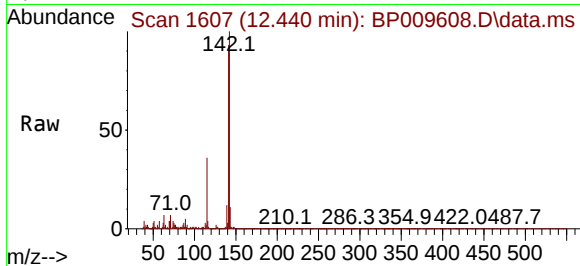




#38
1-Methylnaphthalene
Concen: 8.212 ng
RT: 12.440 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

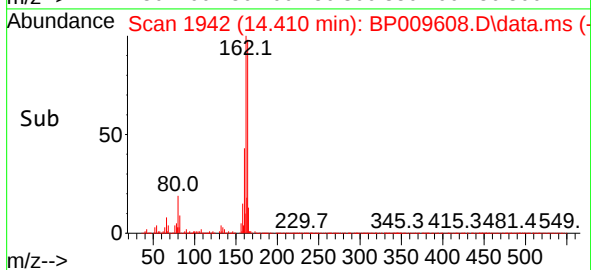
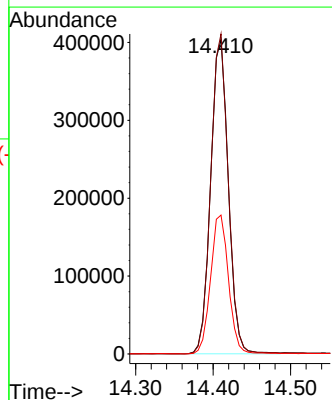
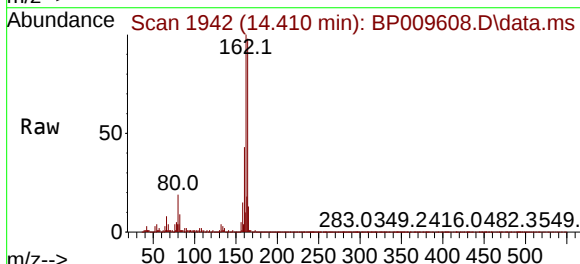
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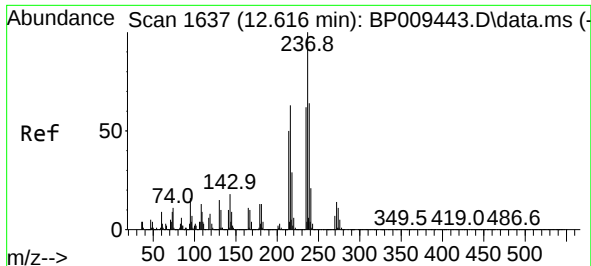
Tgt Ion:142 Resp: 295432
Ion Ratio Lower Upper
142 100
141 92.9 73.5 110.3
116 3.7 3.3 4.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. 0.000 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

Tgt Ion:164 Resp: 640664
Ion Ratio Lower Upper
164 100
162 101.8 79.1 118.7
160 44.2 34.9 52.3

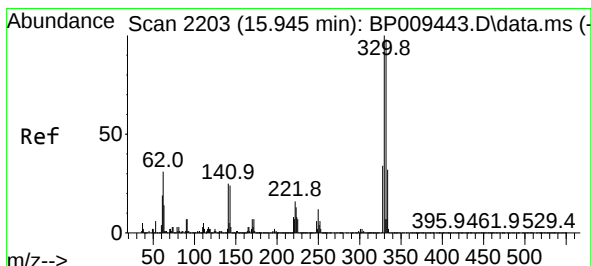
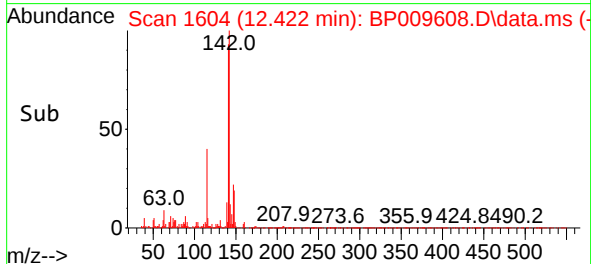
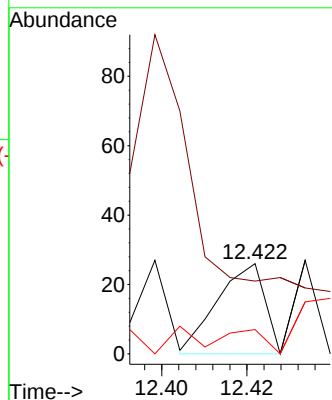
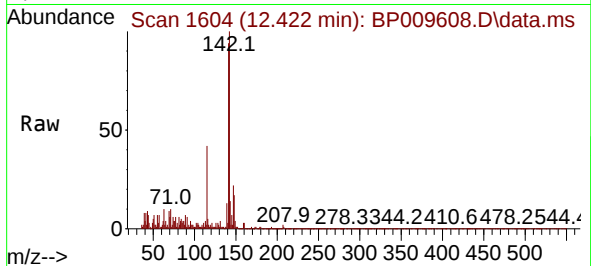




#41
Hexachlorocyclopentadiene
Concen: 7.290 ng
RT: 12.422 min Scan# 1
Delta R.T. -0.153 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

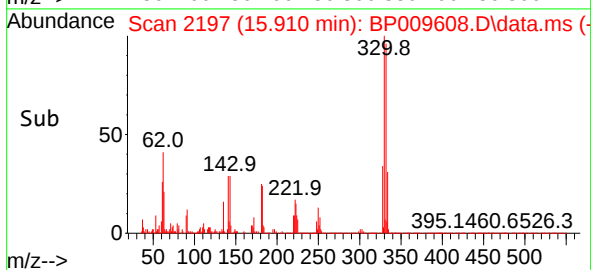
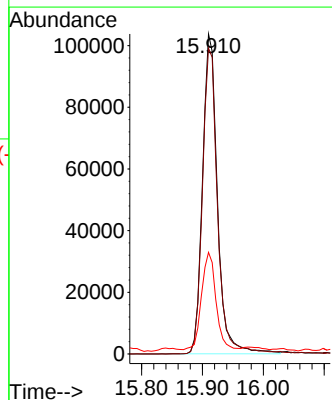
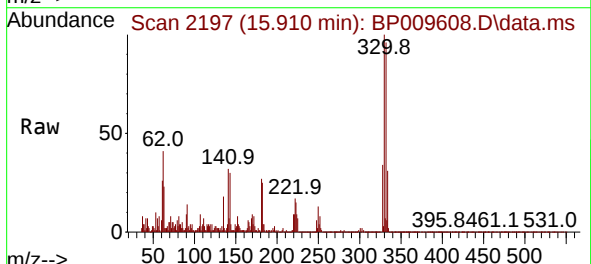
Instrument :
BNA_P
ClientSampleId :
22L076-H

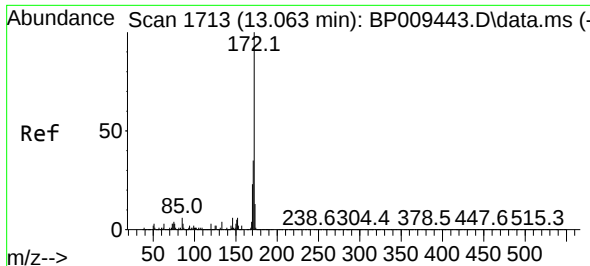
Tgt Ion:237	Resp:	20
Ion	Ratio	Lower Upper
237	100	
235	80.8	42.6 82.6
272	26.9	0.0 32.8



#42
2,4,6-Tribromophenol
Concen: 16.684 ng
RT: 15.910 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

Tgt Ion:330	Resp:	176387
Ion	Ratio	Lower Upper
330	100	
332	96.3	77.0 115.6
141	30.7	27.6 41.4

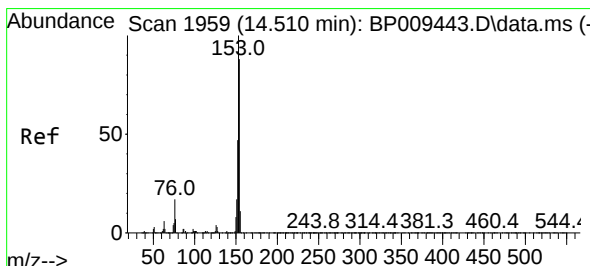
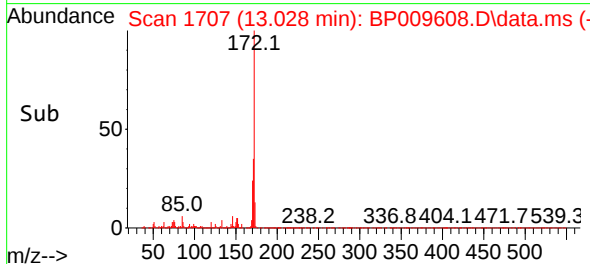
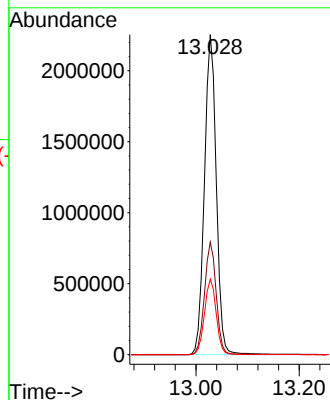
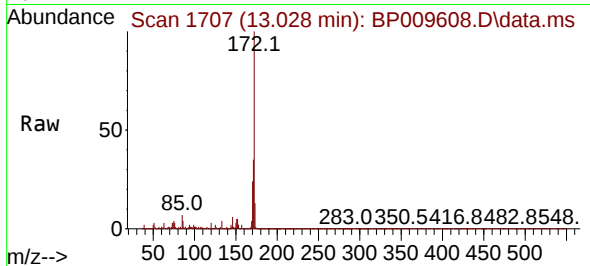




#45
2-Fluorobiphenyl
Concen: 77.636 ng
RT: 13.028 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

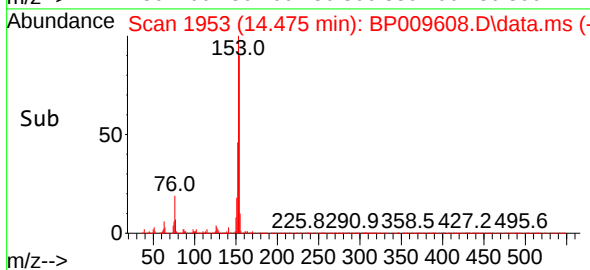
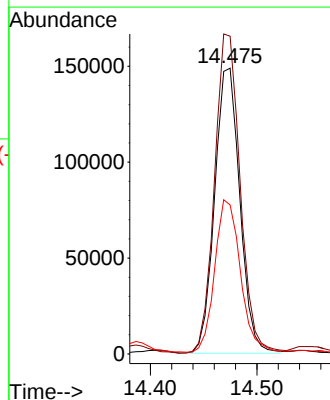
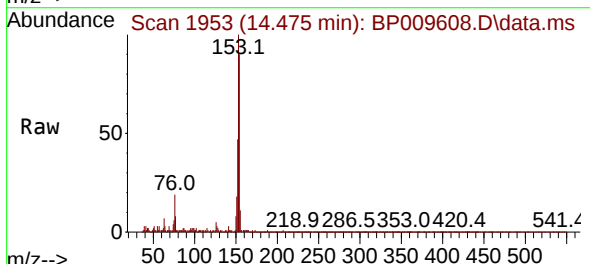
Instrument :
BNA_P
ClientSampleId :
22L076-H

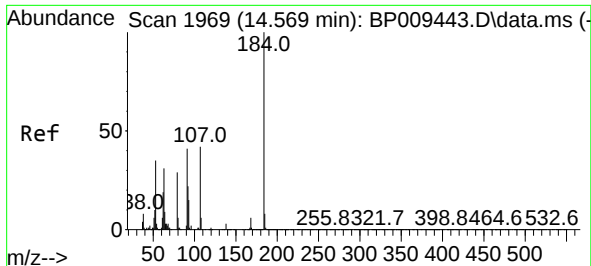
Tgt Ion:172 Resp: 3587886
Ion Ratio Lower Upper
172 100
171 35.2 28.0 42.0
170 23.6 18.6 27.8



#52
Acenaphthene
Concen: 7.032 ng
RT: 14.475 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

Tgt Ion:154 Resp: 244010
Ion Ratio Lower Upper
154 100
153 111.2 90.2 135.4
152 52.2 42.7 64.1

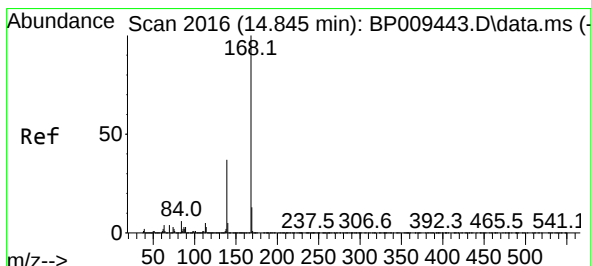
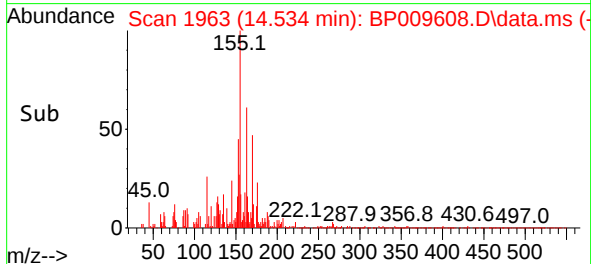
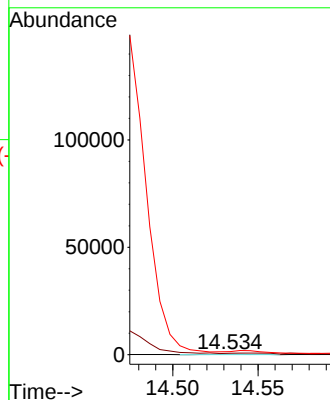
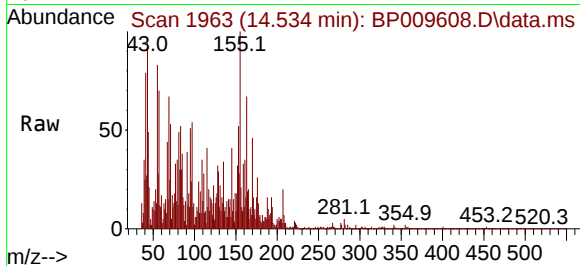




#54
2,4-Dinitrophenol
Concen: 4.581 ng
RT: 14.534 min Scan# 1963
Delta R.T. -0.018 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

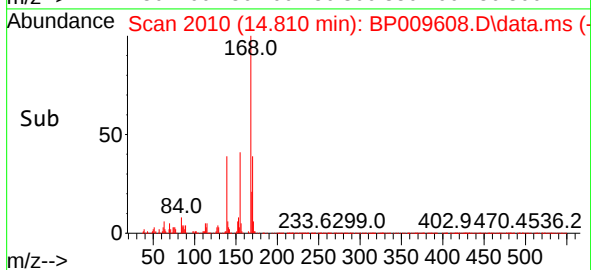
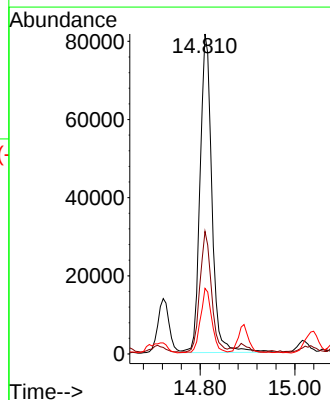
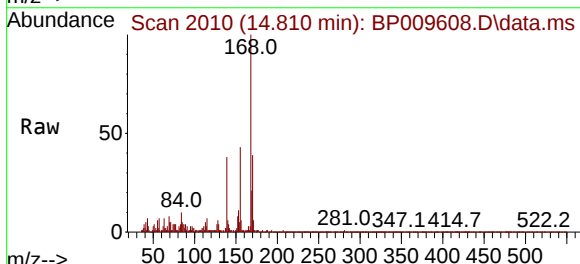
Instrument :
BNA_P
ClientSampleId :
22L076-H

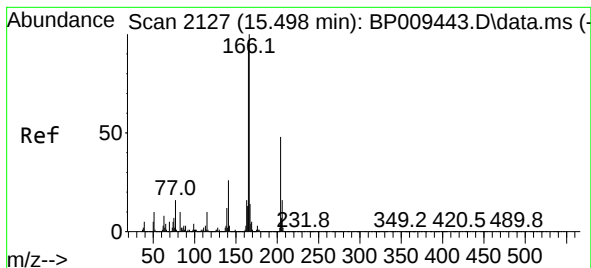
Tgt Ion:184 Resp: 324
Ion Ratio Lower Upper
184 100
63 359.6 46.3 69.5#
154 748.7 45.8 68.6#



#55
Dibenzofuran
Concen: 2.427 ng
RT: 14.810 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

Tgt Ion:168 Resp: 141458
Ion Ratio Lower Upper
168 100
139 38.3 29.1 43.7
169 20.5 10.6 16.0#





#58

Fluorene

Concen: 6.189 ng

RT: 15.463 min Scan# 2121

Delta R.T. -0.006 min

Lab File: BP009608.D

Acq: 29 Mar 2022 23:00

Instrument :

BNA_P

ClientSampleId :

22L076-H

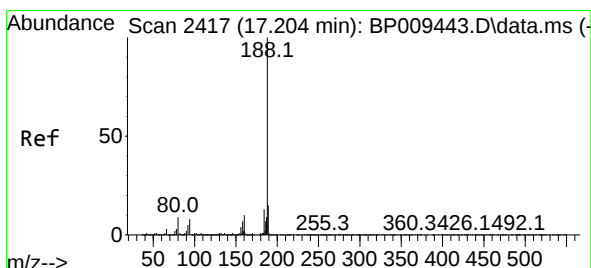
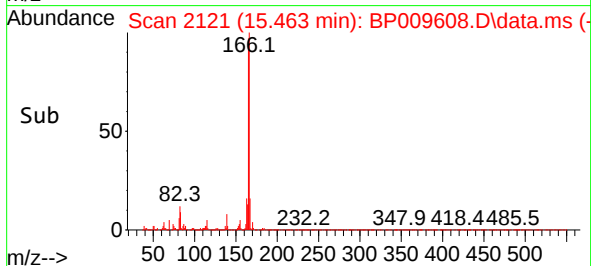
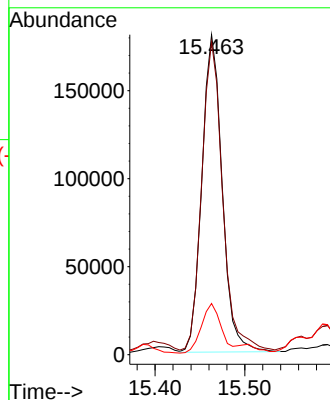
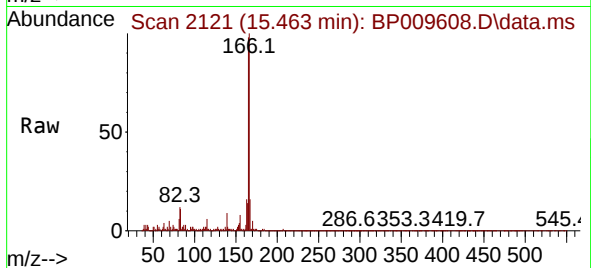
Tgt Ion:166 Resp: 283738

Ion Ratio Lower Upper

166 100

165 97.8 79.2 118.8

167 16.0 10.7 16.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.175 min Scan# 2412

Delta R.T. 0.000 min

Lab File: BP009608.D

Acq: 29 Mar 2022 23:00

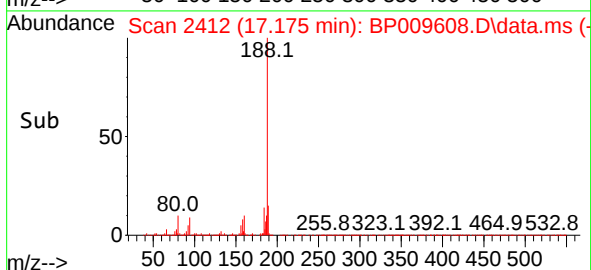
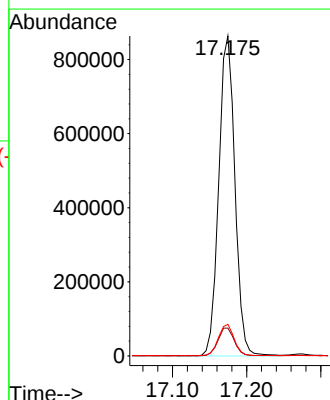
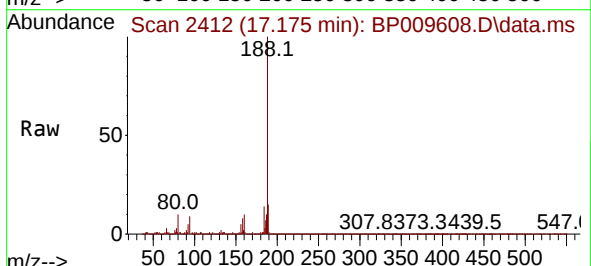
Tgt Ion:188 Resp: 1308002

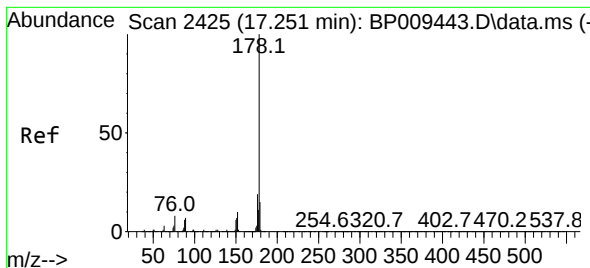
Ion Ratio Lower Upper

188 100

94 8.7 7.9 11.9

80 9.9 8.8 13.2





#71

Phenanthrene

Concen: 26.976 ng

RT: 17.216 min Scan# 2419

Delta R.T. 0.000 min

Lab File: BP009608.D

Acq: 29 Mar 2022 23:00

Instrument :

BNA_P

ClientSampleId :

22L076-H

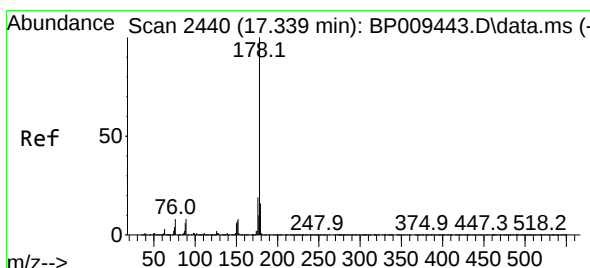
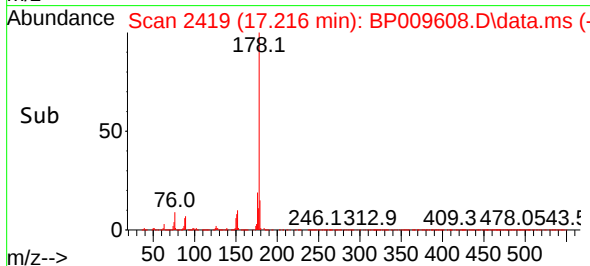
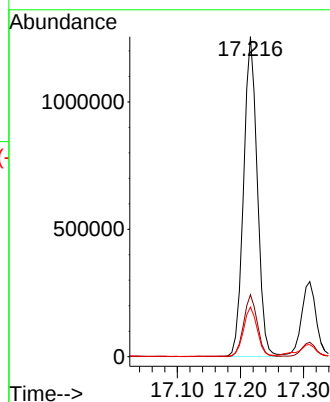
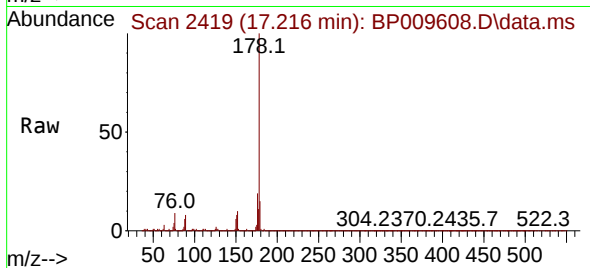
Tgt Ion:178 Resp: 1888785

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 15.5 12.3 18.5



#72

Anthracene

Concen: 6.540 ng

RT: 17.310 min Scan# 2435

Delta R.T. 0.000 min

Lab File: BP009608.D

Acq: 29 Mar 2022 23:00

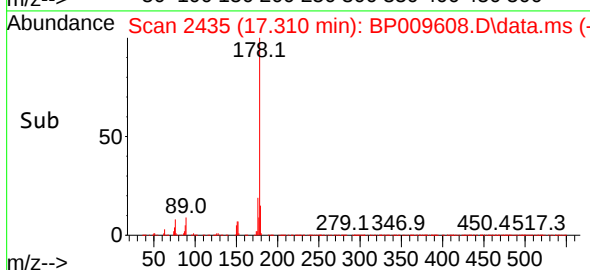
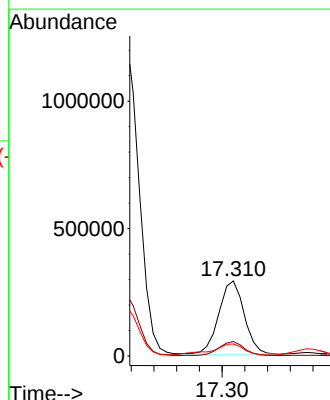
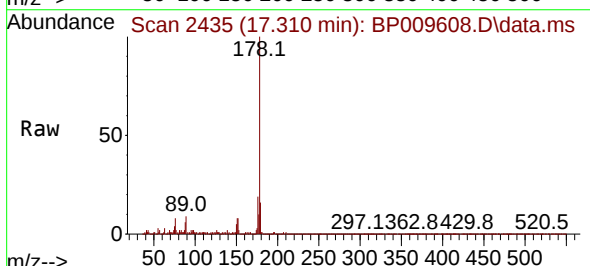
Tgt Ion:178 Resp: 452109

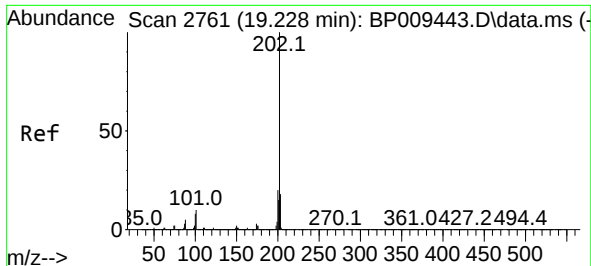
Ion Ratio Lower Upper

178 100

176 19.3 14.8 22.2

179 15.9 12.2 18.4

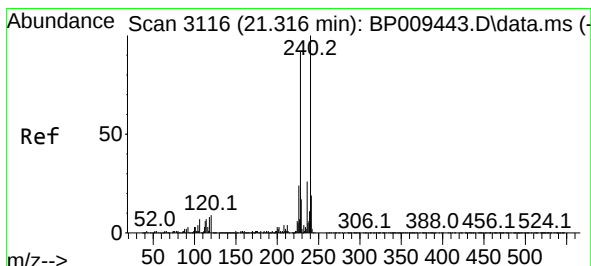
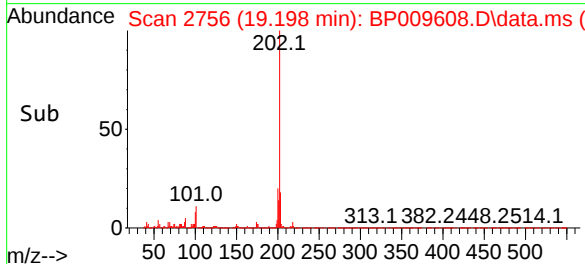
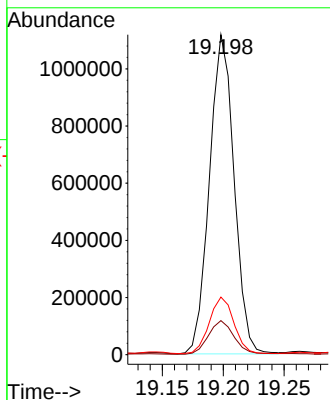
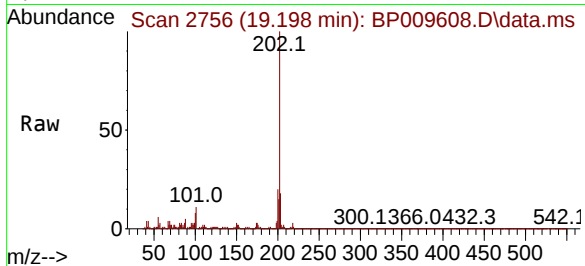




#75
Fluoranthene
Concen: 18.533 ng
RT: 19.198 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

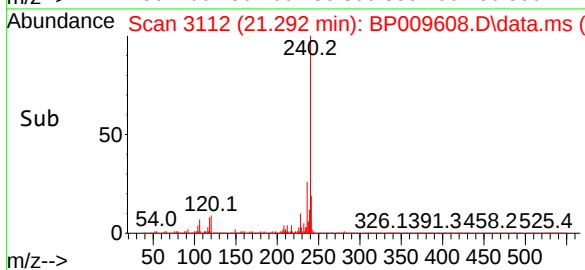
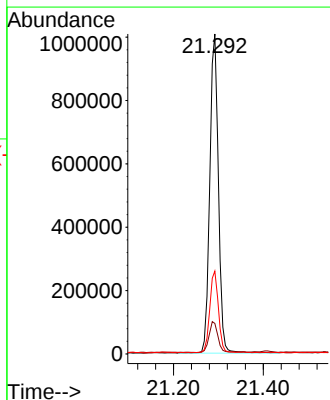
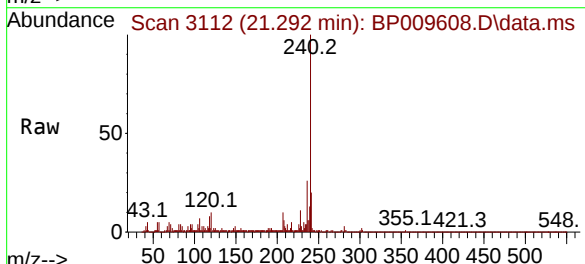
Instrument :
BNA_P
ClientSampleId :
22L076-H

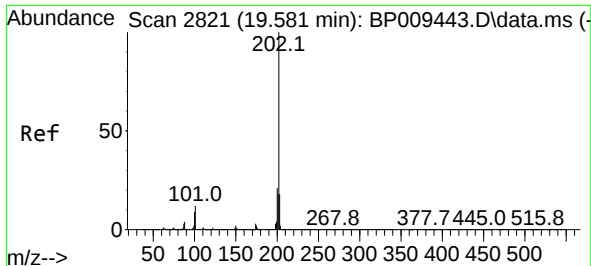
Tgt Ion:202 Resp: 1570995
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.5
203 18.0 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.292 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

Tgt Ion:240 Resp: 1340734
Ion Ratio Lower Upper
240 100
120 9.5 9.0 13.4
236 25.9 20.6 30.8

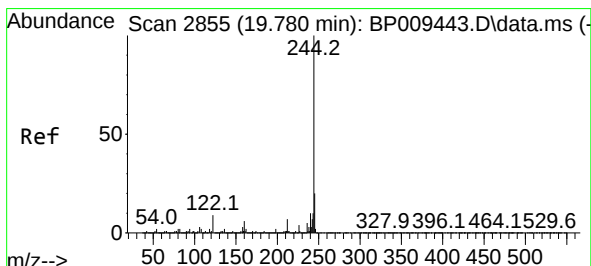
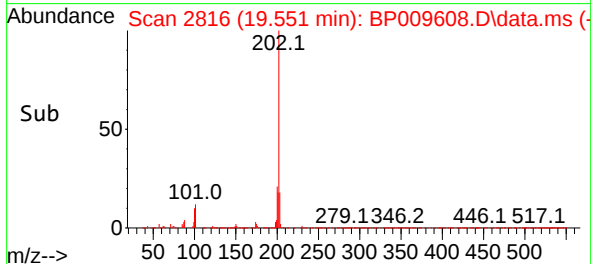
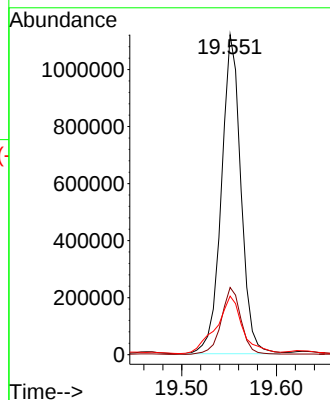
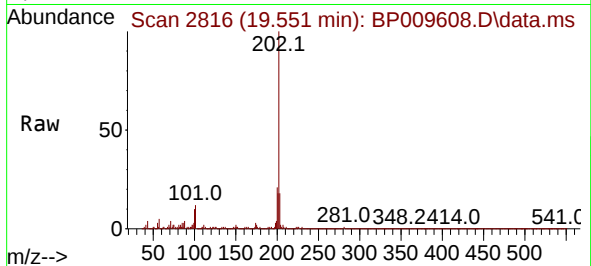




#78
Pyrene
Concen: 18.184 ng
RT: 19.551 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

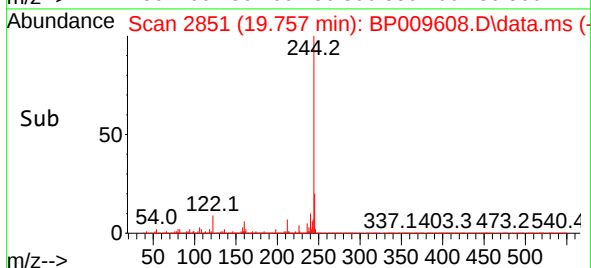
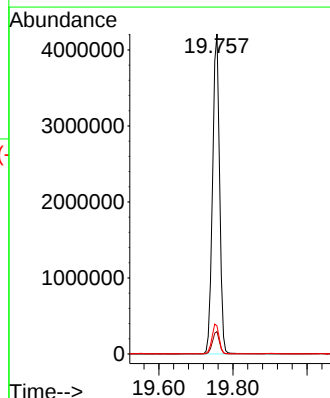
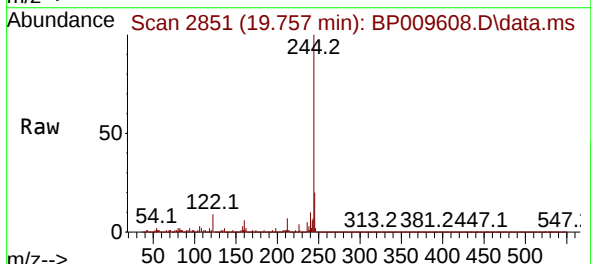
Instrument :
BNA_P
ClientSampleId :
22L076-H

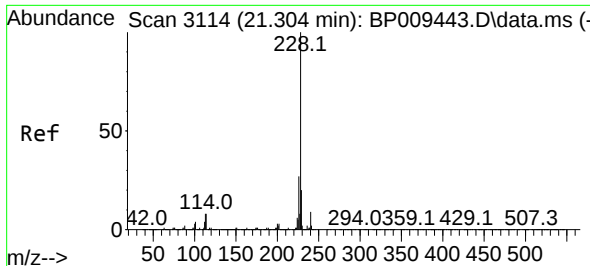
Tgt Ion:202 Resp: 1606535
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 18.3 14.2 21.4



#79
Terphenyl-d14
Concen: 74.426 ng
RT: 19.757 min Scan# 2851
Delta R.T. 0.000 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

Tgt Ion:244 Resp: 5559399
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 8.7 8.3 12.5

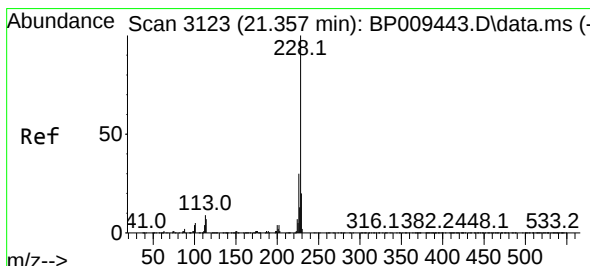
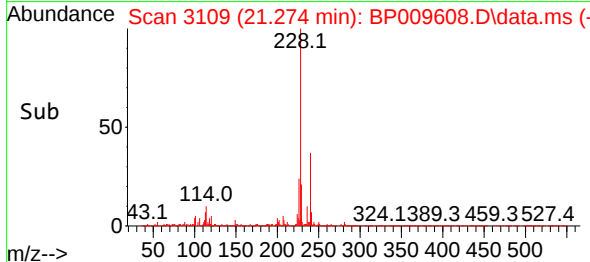
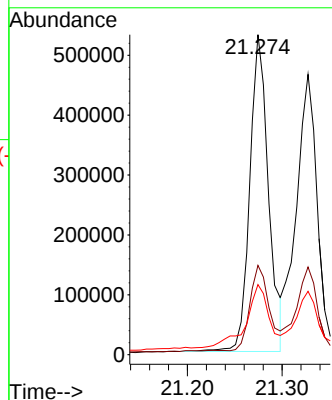
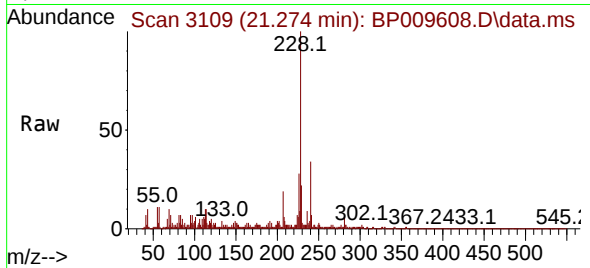




#81
Benzo(a)anthracene
Concen: 8.236 ng
RT: 21.274 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

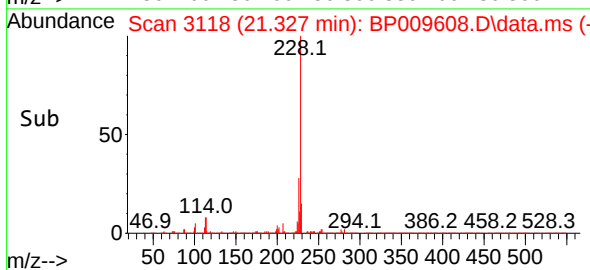
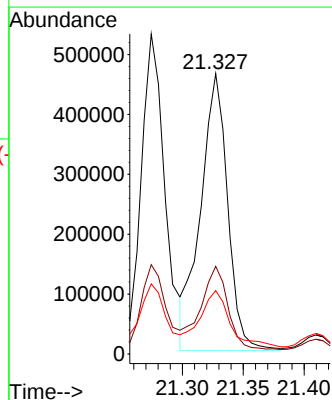
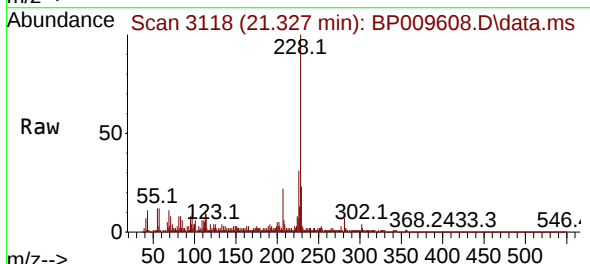
Instrument :
BNA_P
ClientSampleId :
22L076-H

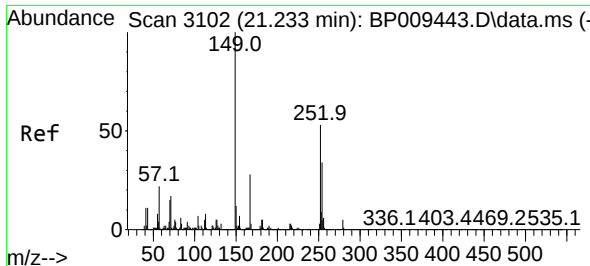
Tgt Ion:228 Resp: 725460
Ion Ratio Lower Upper
228 100
226 27.9 22.0 33.0
229 21.9 16.1 24.1



#83
Chrysene
Concen: 8.602 ng
RT: 21.327 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

Tgt Ion:228 Resp: 717498
Ion Ratio Lower Upper
228 100
226 31.3 24.2 36.2
229 22.6 16.1 24.1

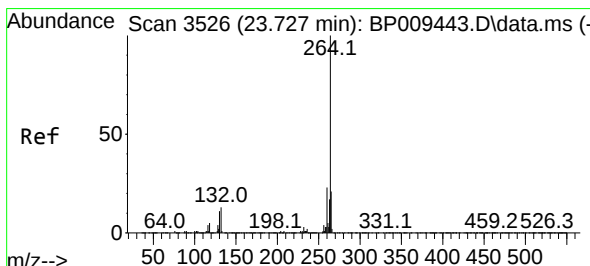
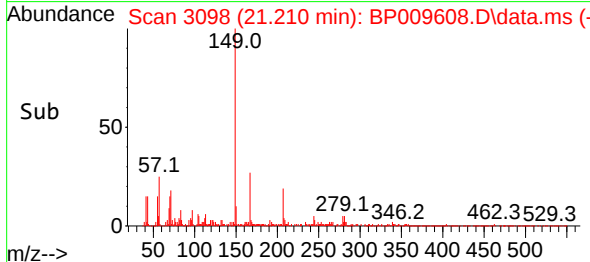
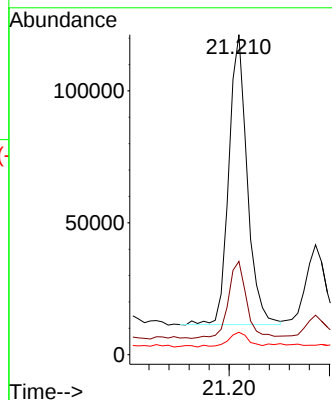
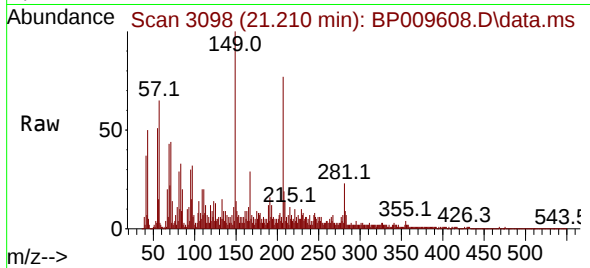




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.676 ng
 RT: 21.210 min Scan# 3098
 Delta R.T. 0.000 min
 Lab File: BP009608.D
 Acq: 29 Mar 2022 23:00

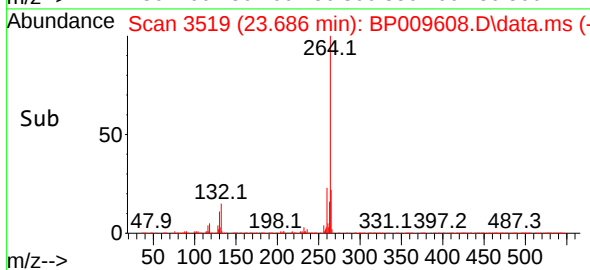
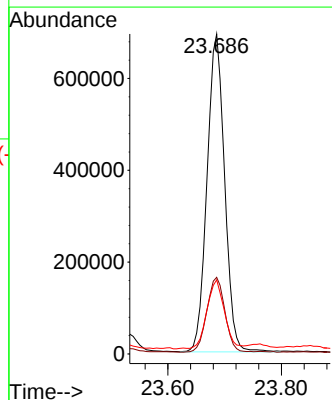
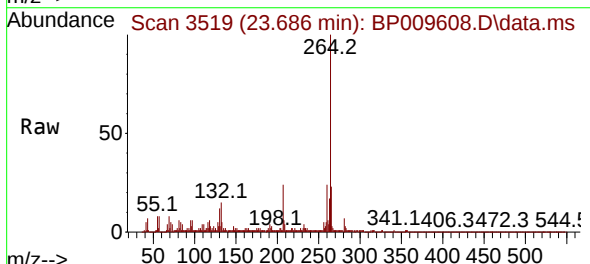
Instrument :
 BNA_P
 ClientSampleId :
 22L076-H

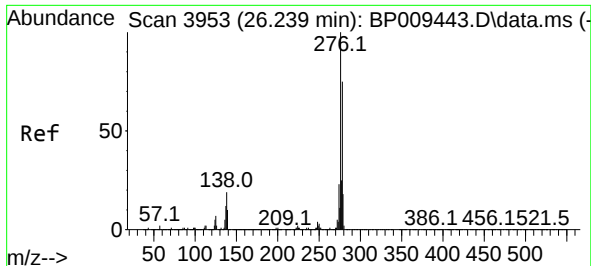
Tgt Ion:149 Resp: 140072
 Ion Ratio Lower Upper
 149 100
 167 29.2 22.6 33.8
 279 7.0 3.8 5.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.686 min Scan# 3519
 Delta R.T. 0.000 min
 Lab File: BP009608.D
 Acq: 29 Mar 2022 23:00

Tgt Ion:264 Resp: 1485781
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.4 29.0
 265 23.2 17.2 25.8

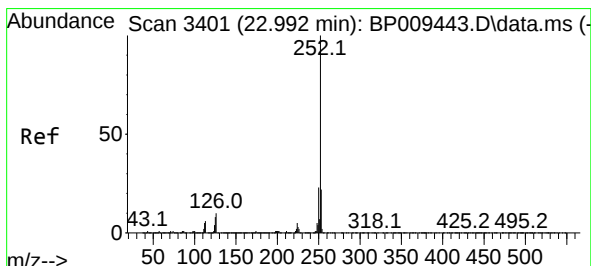
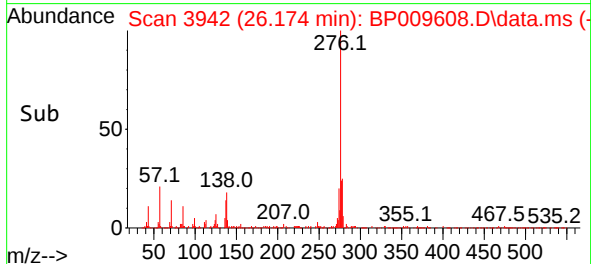
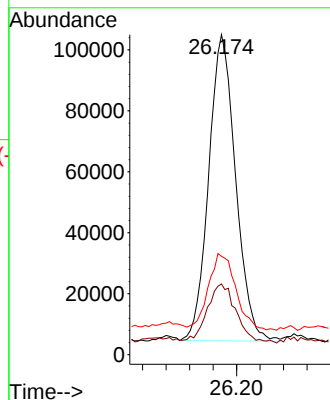
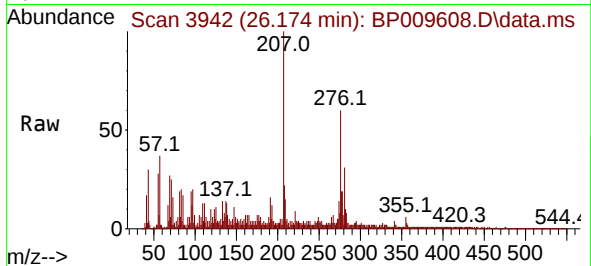




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.839 ng
RT: 26.174 min Scan# 3942
Delta R.T. -0.006 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

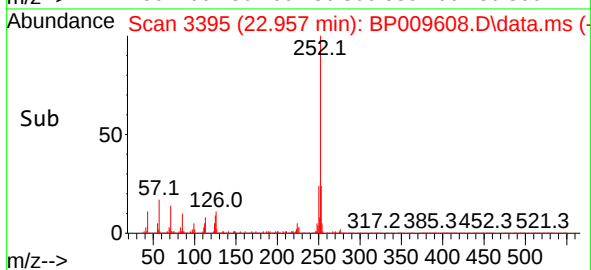
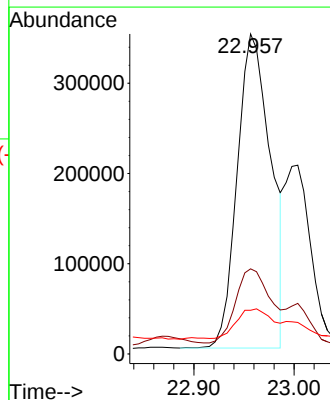
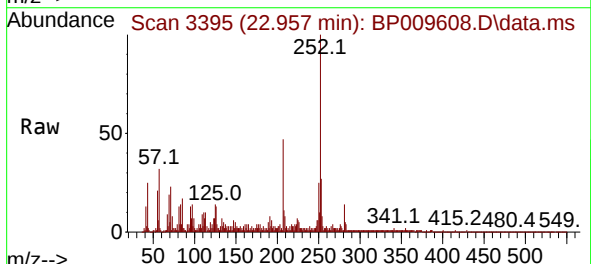
Instrument :
BNA_P
ClientSampleId :
22L076-H

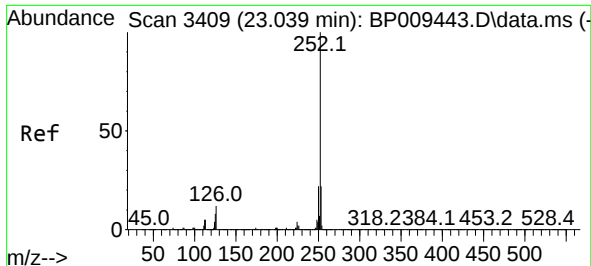
Tgt Ion:276 Resp: 320054
Ion Ratio Lower Upper
276 100
138 21.0 20.5 30.7
277 24.7 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 9.149 ng
RT: 22.957 min Scan# 3395
Delta R.T. -0.006 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

Tgt Ion:252 Resp: 811493
Ion Ratio Lower Upper
252 100
253 26.6 17.8 26.8
125 13.7 8.1 12.1#

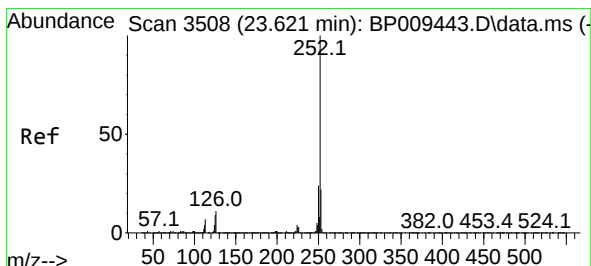
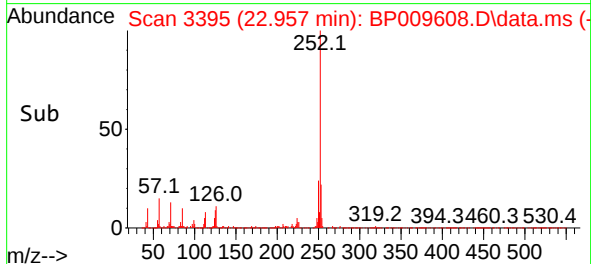
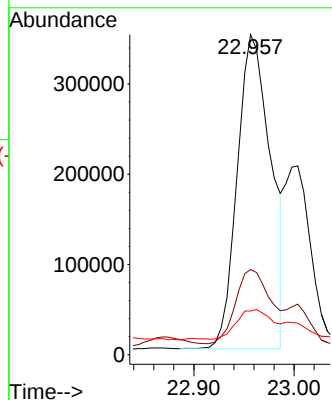
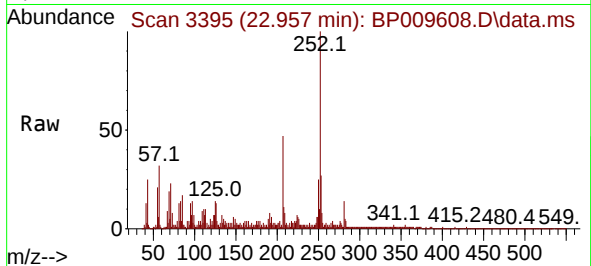




#89
Benzo(k)fluoranthene
Concen: 9.344 ng
RT: 22.957 min Scan# 31
Delta R.T. -0.047 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

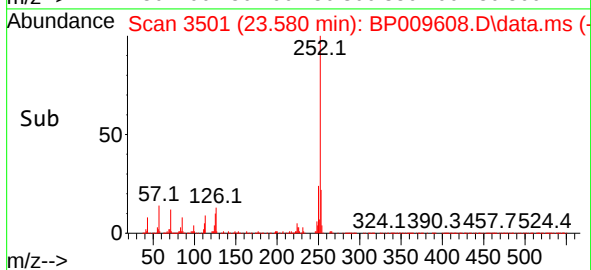
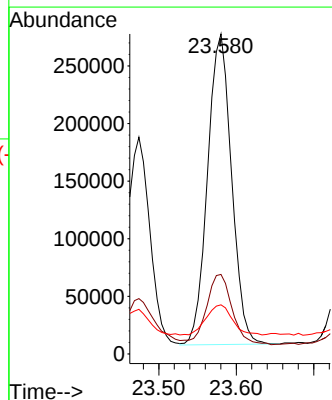
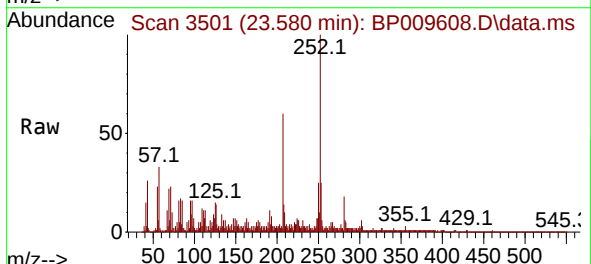
Instrument :
BNA_P
ClientSampleId :
22L076-H

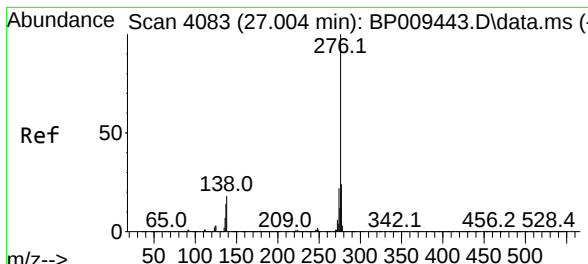
Tgt Ion:252 Resp: 811493
Ion Ratio Lower Upper
252 100
253 26.6 17.5 26.3#
125 13.7 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 7.639 ng
RT: 23.580 min Scan# 3501
Delta R.T. 0.000 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

Tgt Ion:252 Resp: 579699
Ion Ratio Lower Upper
252 100
253 24.9 17.8 26.6
125 15.3 9.3 13.9#





#92
 Benzo(g,h,i)perylene
 Concen: 3.687 ng
 RT: 26.945 min Scan# 40
 Delta R.T. 0.000 min
 Lab File: BP009608.D
 Acq: 29 Mar 2022 23:00

Instrument :
 BNA_P
 ClientSampleId :
 22L076-H

Tgt Ion:276 Resp: 340740

Ion	Ratio	Lower	Upper
276	100		
277	30.8	19.2	28.8#
138	20.8	18.0	27.0

