

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
 Data File : BP007156.D
 Acq On : 24 Sep 2021 13:25
 Operator : CG/JU
 Sample : M3775-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PE-7

Quant Time: Sep 24 13:57:43 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 23 11:17:25 2021
 Response via : Initial Calibration

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

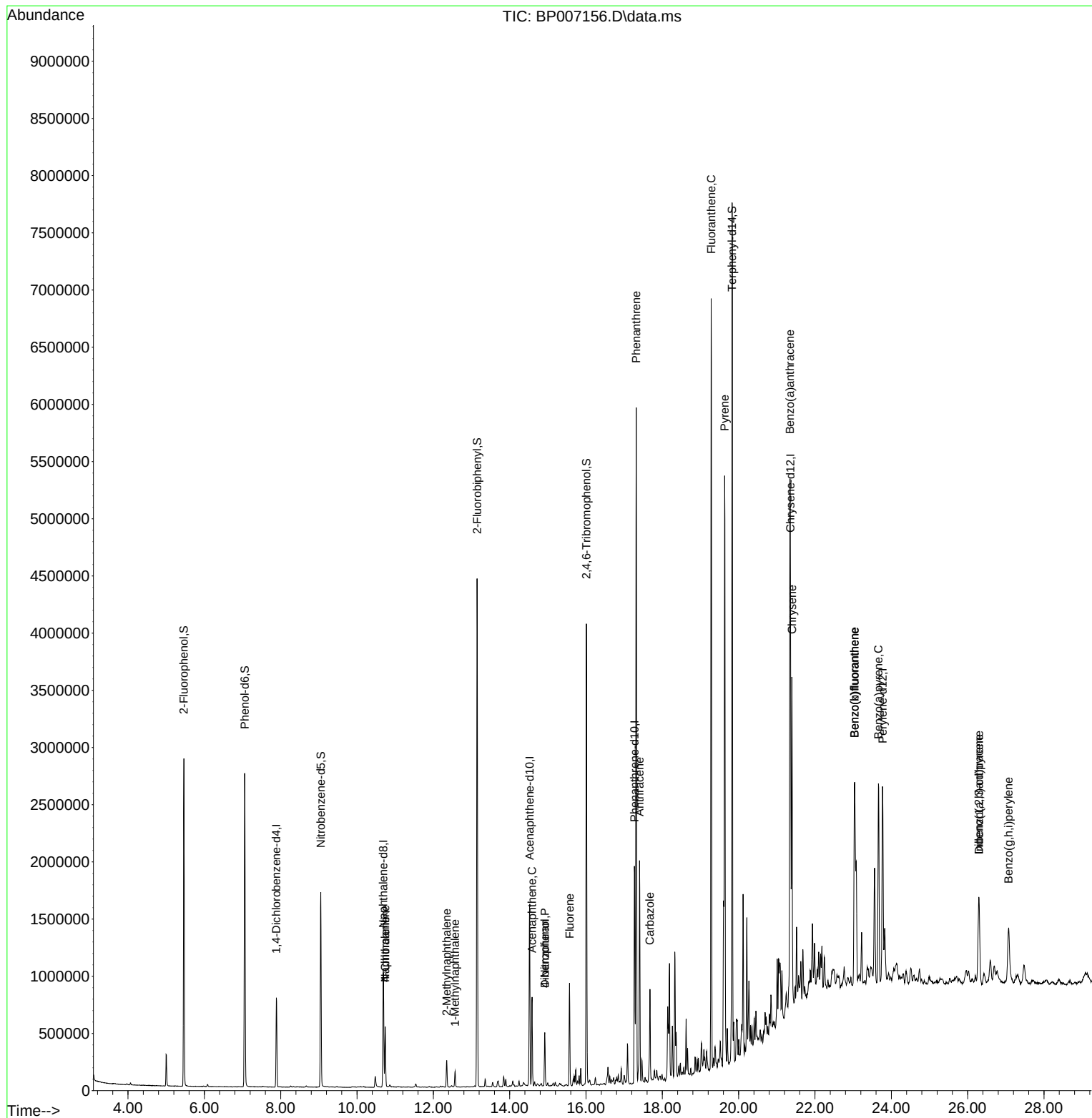
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.887	152	226904	20.000	ng	0.00
21) Naphthalene-d8	10.687	136	884404	20.000	ng	# 0.00
39) Acenaphthene-d10	14.522	164	558336	20.000	ng	0.00
64) Phenanthrene-d10	17.269	188	1179635	20.000	ng	# 0.00
76) Chrysene-d12	21.357	240	1205628	20.000	ng	# 0.00
86) Perylene-d12	23.774	264	1327812	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	1322698	97.580	ng	0.00
7) Phenol-d6	7.057	99	1701170	91.824	ng	0.00
23) Nitrobenzene-d5	9.052	82	993213	65.401	ng	0.00
42) 2,4,6-Tribromophenol	16.010	330	792387	109.468	ng	0.00
45) 2-Fluorobiphenyl	13.145	172	2363755	60.651	ng	0.00
79) Terphenyl-d14	19.827	244	3542658	56.308	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.740	128	436010	9.660	ng	99
33) 4-Chloroaniline	10.740	127	57769	3.098	ng	# 36
37) 2-Methylnaphthalene	12.351	142	114771	3.631	ng	95
38) 1-Methylnaphthalene	12.569	142	67429	2.184	ng	# 98
52) Acenaphthene	14.586	154	288016	9.594	ng	99
55) Dibenzofuran	14.922	168	298247	5.955	ng	95
56) 4-Nitrophenol	14.922	139	104478	14.510	ng	# 5
58) Fluorene	15.569	166	395646	10.225	ng	99
71) Phenanthrene	17.316	178	3633707	57.449	ng	99
72) Anthracene	17.404	178	1220278	19.722	ng	100
73) Carbazole	17.675	167	492832	8.128	ng	99
75) Fluoranthene	19.280	202	3997587	54.857	ng	97
78) Pyrene	19.633	202	3320379	41.977	ng	98
81) Benzo(a)anthracene	21.345	228	2046513	26.151	ng	98
83) Chrysene	21.398	228	1618608	21.641	ng	97
87) Indeno(1,2,3-cd)pyrene	26.298	276	748797	7.847	ng	98
88) Benzo(b)fluoranthene	23.039	252	1825380	23.003	ng	# 96
89) Benzo(k)fluoranthene	23.039	252	1825380	22.720	ng	# 96
90) Benzo(a)pyrene	23.662	252	1345480	19.958	ng	# 96
91) Dibenzo(a,h)anthracene	26.298	278	235223	2.941	ng	# 85
92) Benzo(g,h,i)perylene	27.074	276	648168	8.306	ng	# 95

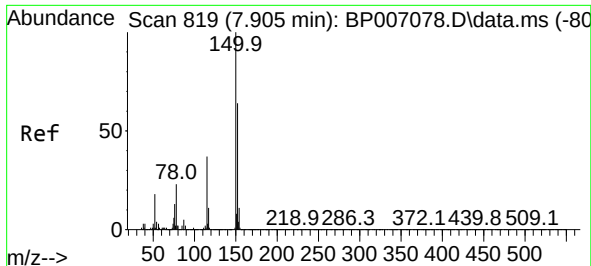
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
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Instrument :
BNA_P
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 23 11:17:25 2021
Response via : Initial Calibration

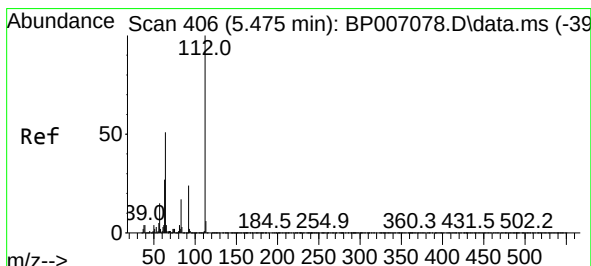
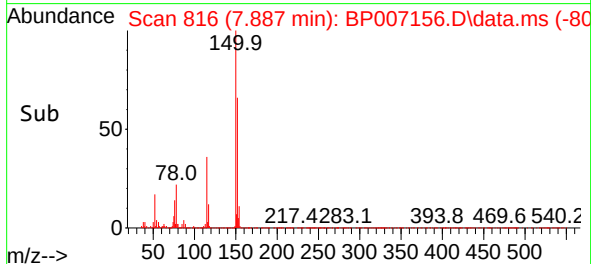
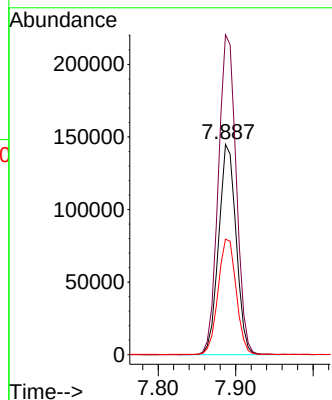
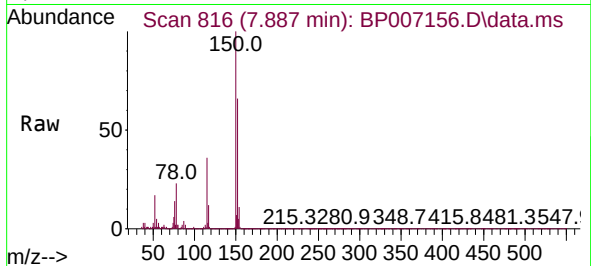




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

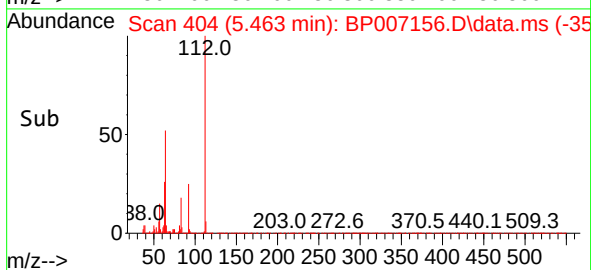
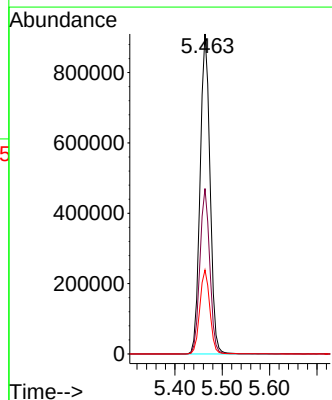
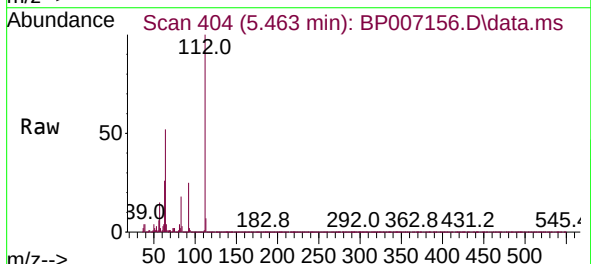
Instrument :
BNA_P
ClientSampleId :
PE-7

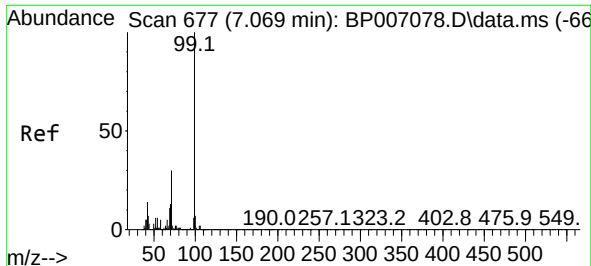
Tgt Ion:152 Resp: 226904
Ion Ratio Lower Upper
152 100
150 152.1 125.6 188.4
115 54.9 48.5 72.7



#5
2-Fluorophenol
Concen: 97.580 ng
RT: 5.463 min Scan# 404
Delta R.T. -0.000 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

Tgt Ion:112 Resp: 1322698
Ion Ratio Lower Upper
112 100
64 51.7 41.4 62.2
63 26.3 23.8 35.8

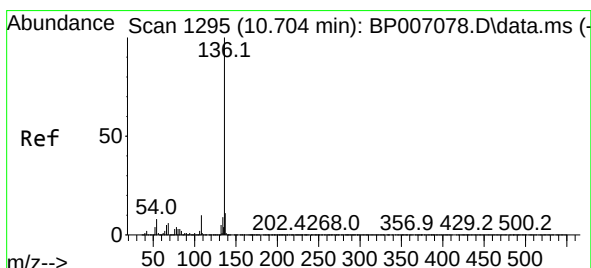
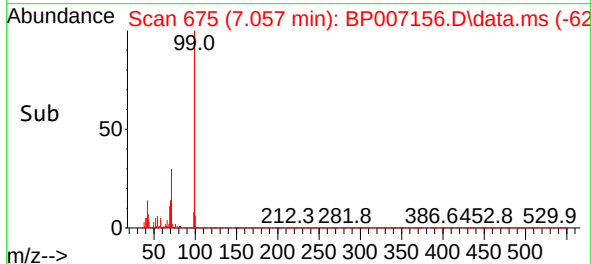
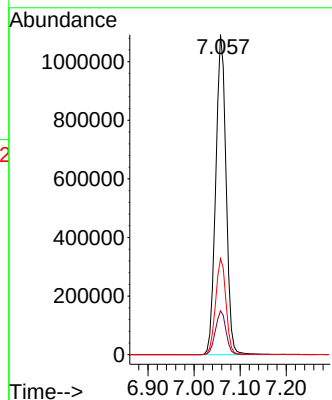
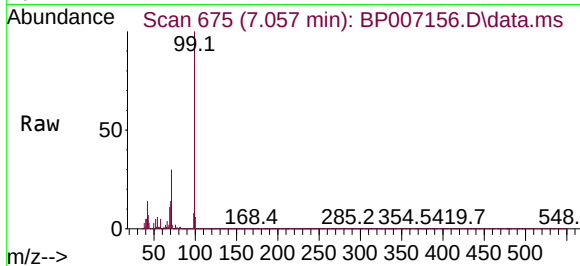




#7
Phenol-d6
Concen: 91.824 ng
RT: 7.057 min Scan# 675
Delta R.T. -0.006 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

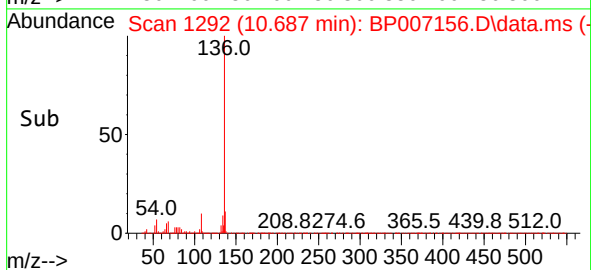
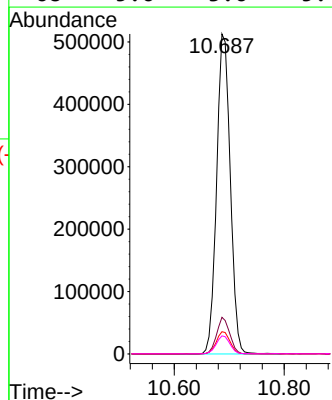
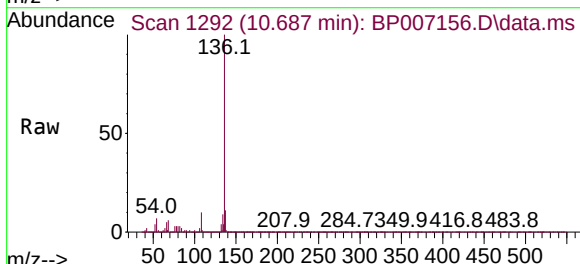
Instrument :
BNA_P
ClientSampleId :
PE-7

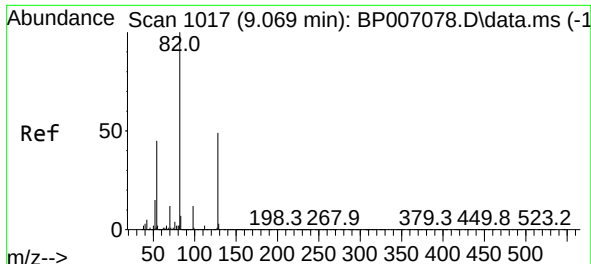
Tgt Ion: 99 Resp: 1701170
Ion Ratio Lower Upper
99 100
42 13.7 13.4 20.0
71 30.0 30.6 46.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.687 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

Tgt Ion: 136 Resp: 884404
Ion Ratio Lower Upper
136 100
137 11.4 8.6 12.8
54 7.0 4.6 6.8#
68 5.6 3.6 5.4#

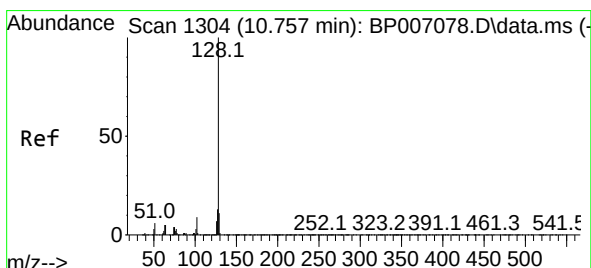
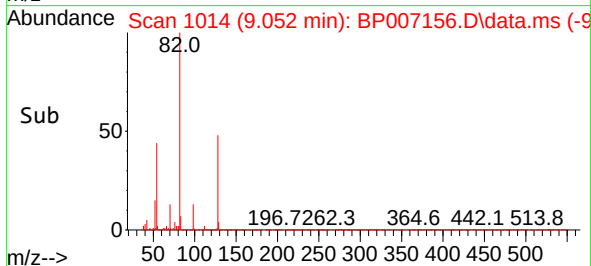
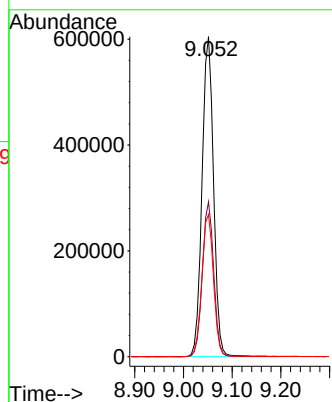
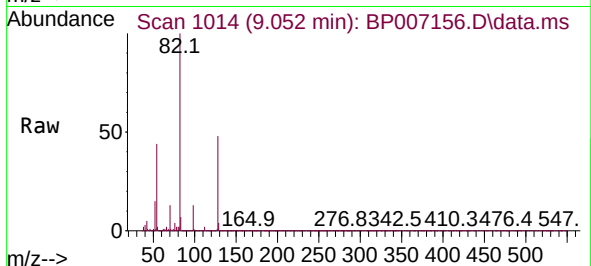




#23
Nitrobenzene-d5
Concen: 65.401 ng
RT: 9.052 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

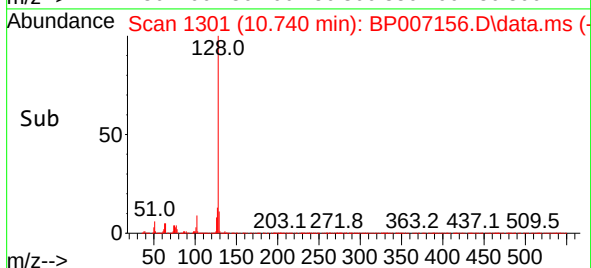
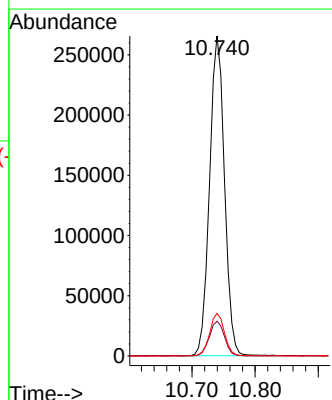
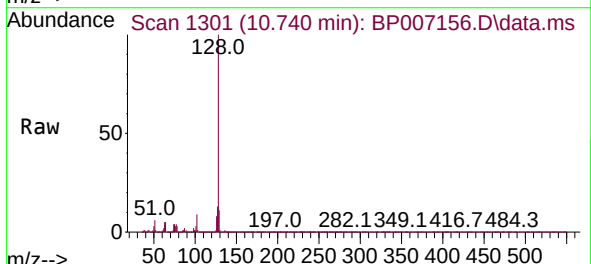
Instrument :
BNA_P
ClientSampleId :
PE-7

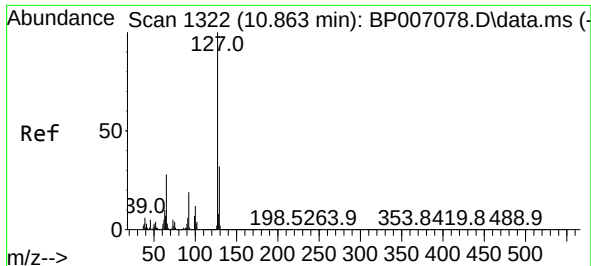
Tgt Ion: 82 Resp: 993213
Ion Ratio Lower Upper
82 100
128 48.4 35.7 53.5
54 44.4 35.0 52.4



#31
Naphthalene
Concen: 9.660 ng
RT: 10.740 min Scan# 1301
Delta R.T. -0.006 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

Tgt Ion: 128 Resp: 436010
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.6
127 13.3 10.7 16.1

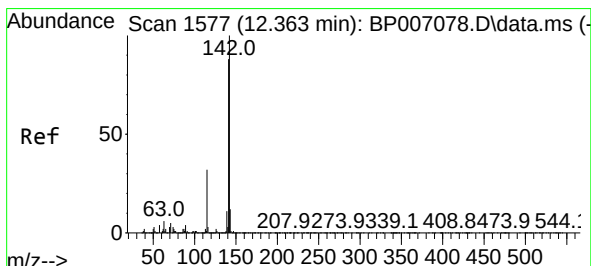
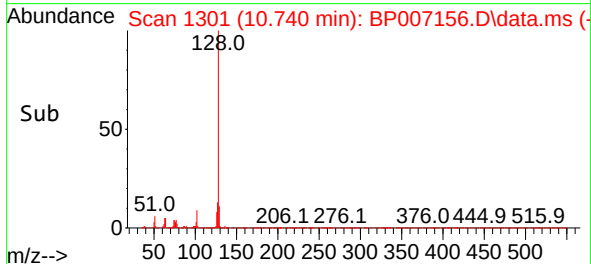
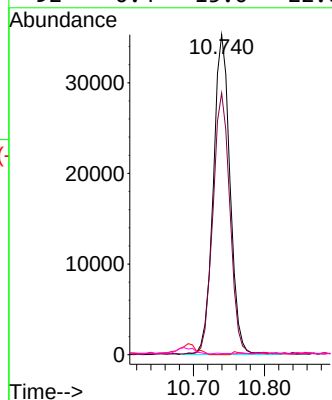
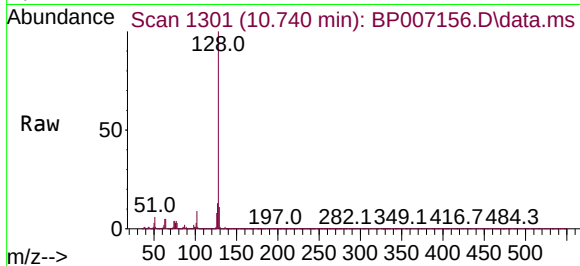




#33
4-Chloroaniline
Concen: 3.098 ng
RT: 10.740 min Scan# 1301
Delta R.T. -0.118 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

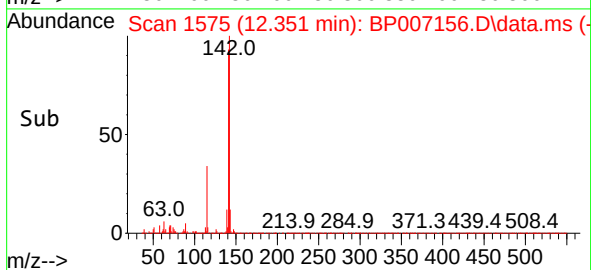
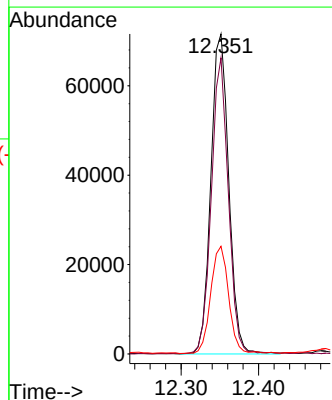
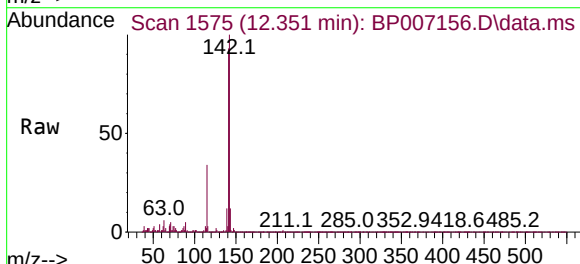
Instrument :
BNA_P
ClientSampleId :
PE-7

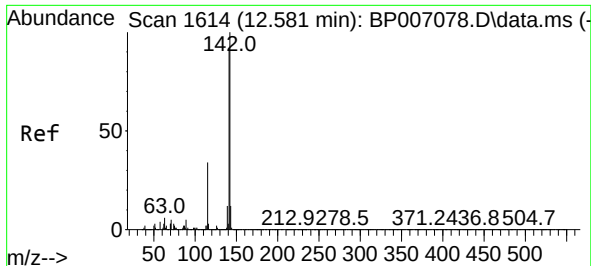
Tgt Ion:127	Resp: 57769
Ion Ratio	Lower Upper
127 100	
129 81.7	26.1 39.1#
65 0.0	22.5 33.7#
92 0.4	15.0 22.6#



#37
2-Methylnaphthalene
Concen: 3.631 ng
RT: 12.351 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

Tgt Ion:142	Resp: 114771
Ion Ratio	Lower Upper
142 100	
141 92.5	71.8 107.6
115 33.6	31.6 47.4

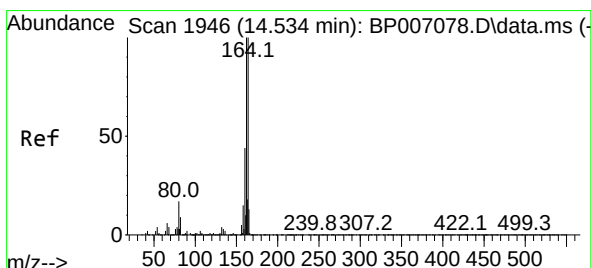
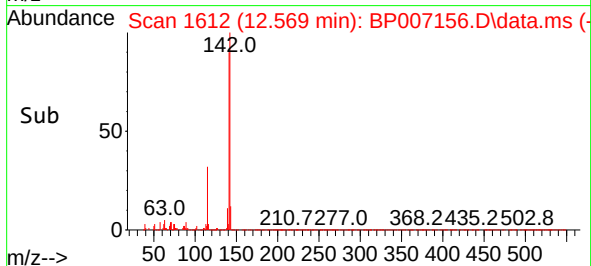
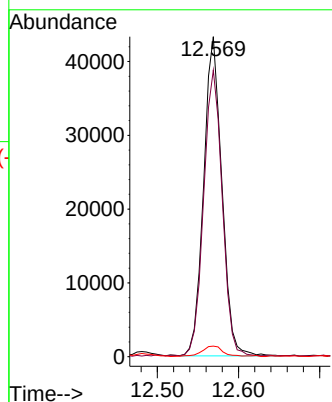
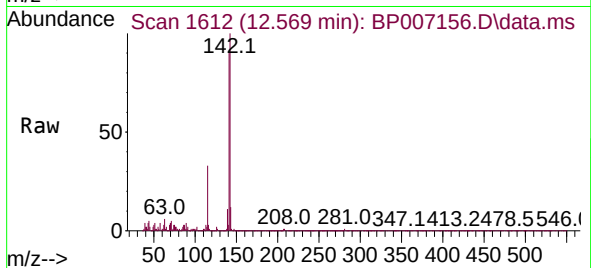




#38
1-Methylnaphthalene
Concen: 2.184 ng
RT: 12.569 min Scan# 1612
Delta R.T. -0.006 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

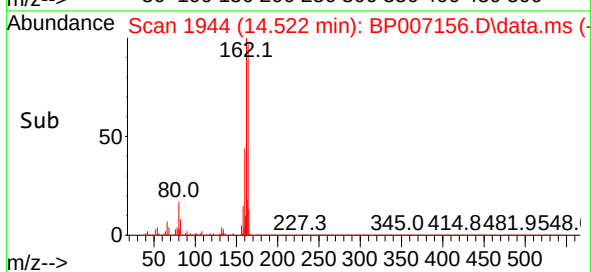
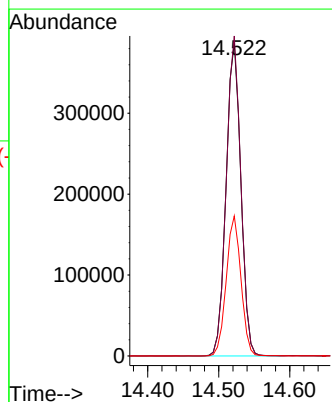
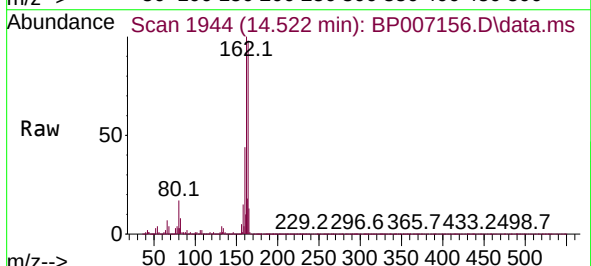
Instrument :
BNA_P
ClientSampleId :
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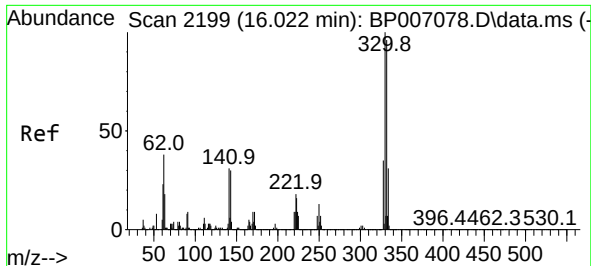
Tgt Ion:142 Resp: 67429
Ion Ratio Lower Upper
142 100
141 89.6 73.3 109.9
116 3.3 3.5 5.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.522 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

Tgt Ion:164 Resp: 558336
Ion Ratio Lower Upper
164 100
162 102.3 80.2 120.2
160 44.8 34.5 51.7

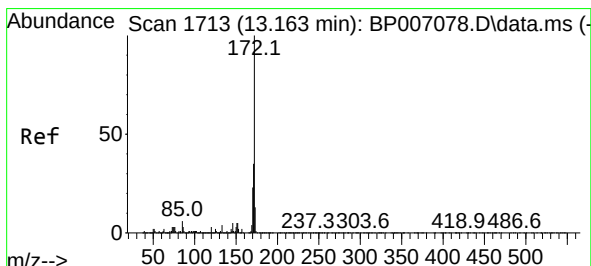
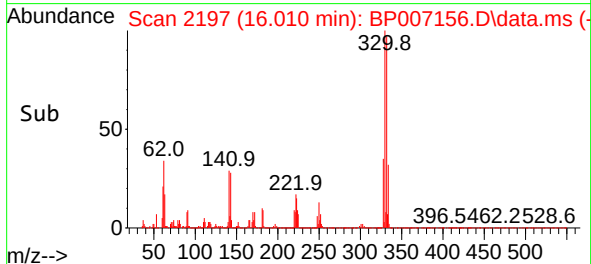
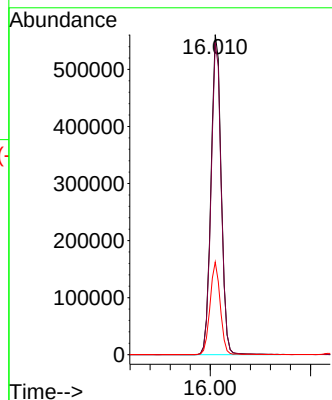
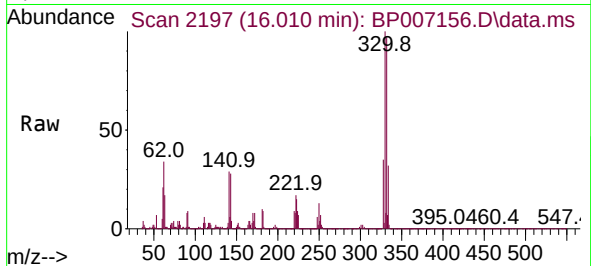




#42
2,4,6-Tribromophenol
Concen: 109.468 ng
RT: 16.010 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

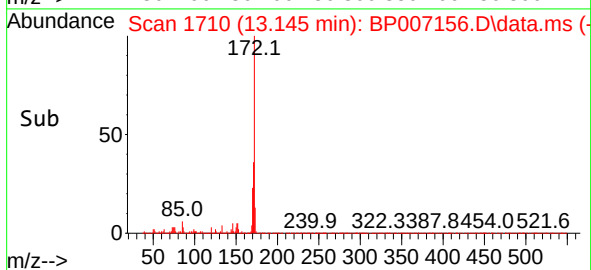
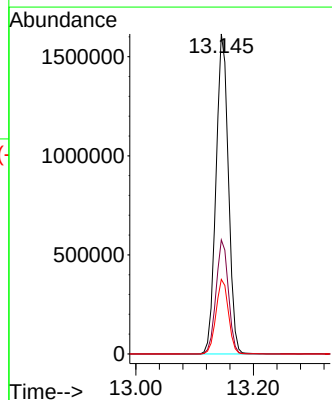
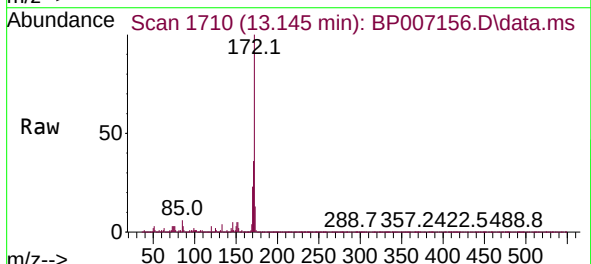
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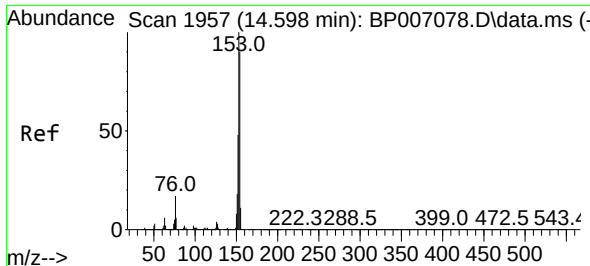
Tgt Ion:330 Resp: 792387
Ion Ratio Lower Upper
330 100
332 97.1 77.8 116.8
141 28.9 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 60.651 ng
RT: 13.145 min Scan# 1710
Delta R.T. -0.006 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

Tgt Ion:172 Resp: 2363755
Ion Ratio Lower Upper
172 100
171 35.7 27.9 41.9
170 23.3 18.6 27.8

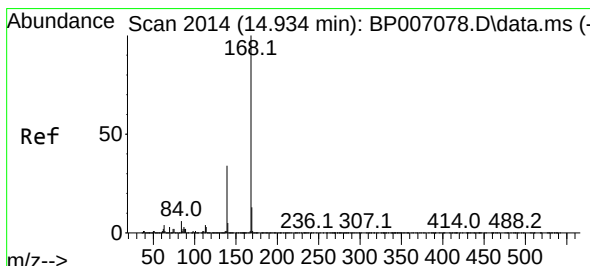
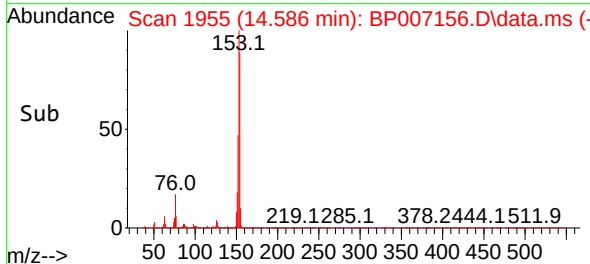
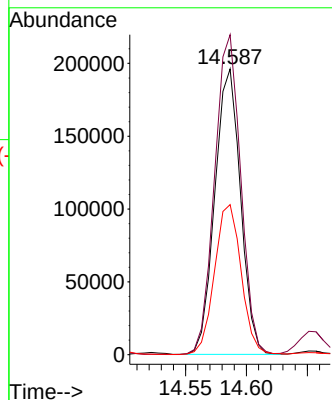
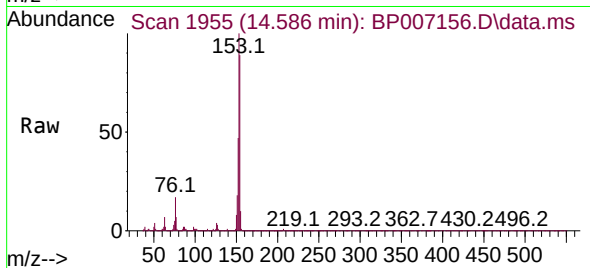




#52
Acenaphthene
Concen: 9.594 ng
RT: 14.586 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

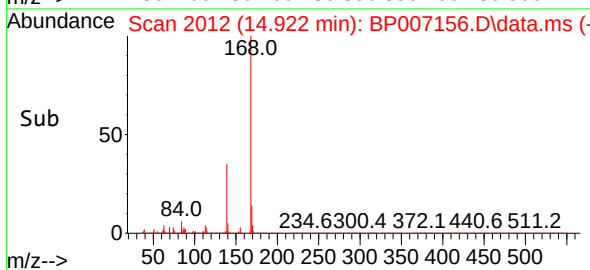
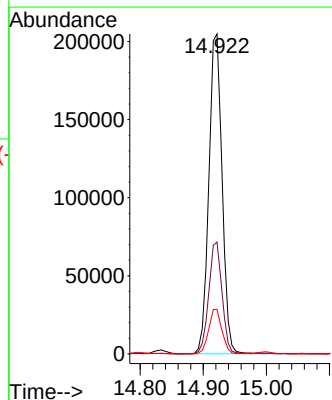
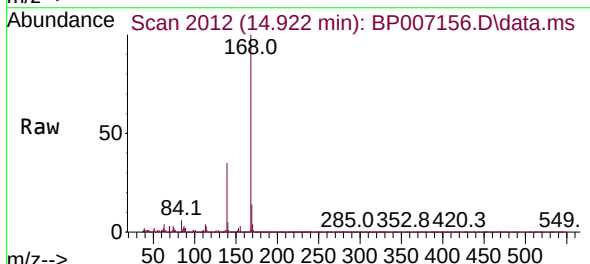
Instrument :
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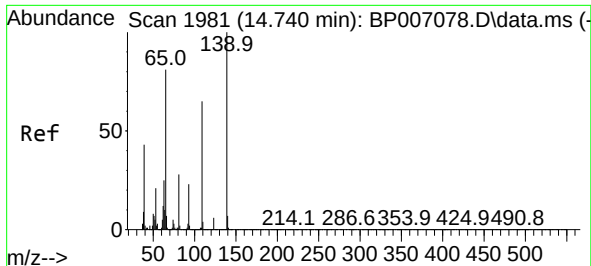
Tgt Ion:154 Resp: 288016
Ion Ratio Lower Upper
154 100
153 112.0 89.4 134.2
152 52.5 43.0 64.4



#55
Dibenzofuran
Concen: 5.955 ng
RT: 14.922 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

Tgt Ion:168 Resp: 298247
Ion Ratio Lower Upper
168 100
139 35.0 31.0 46.6
169 14.0 10.8 16.2

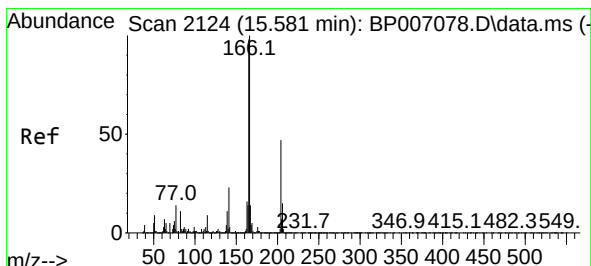
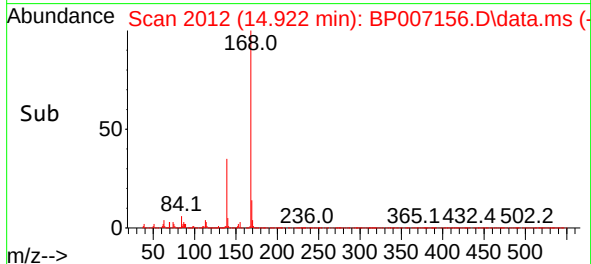
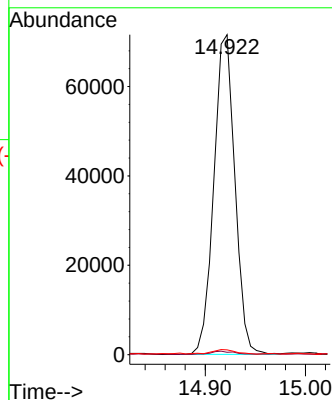
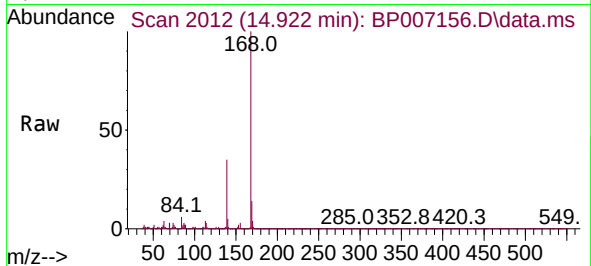




#56
4-Nitrophenol
Concen: 14.510 ng
RT: 14.922 min Scan# 2012
Delta R.T. 0.188 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

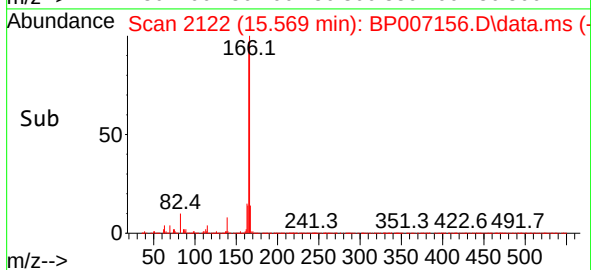
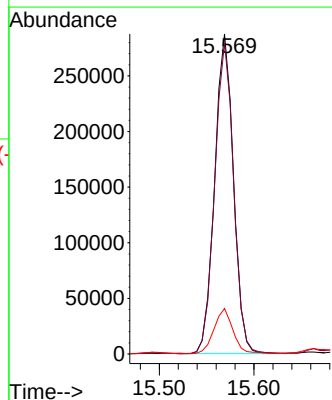
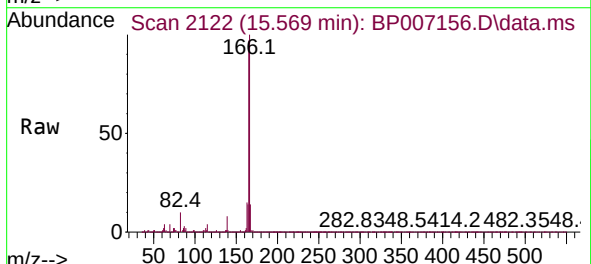
Instrument :
BNA_P
ClientSampleId :
PE-7

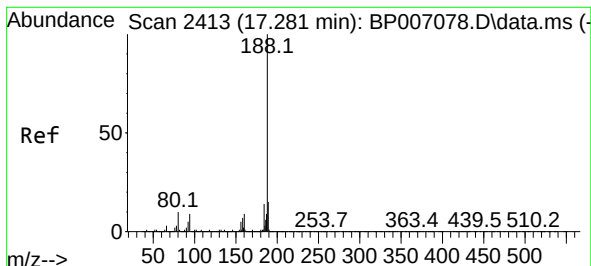
Tgt Ion:139 Resp: 104478
Ion Ratio Lower Upper
139 100
109 0.7 72.3 112.3#
65 1.5 72.5 112.5#



#58
Fluorene
Concen: 10.225 ng
RT: 15.569 min Scan# 2122
Delta R.T. -0.006 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

Tgt Ion:166 Resp: 395646
Ion Ratio Lower Upper
166 100
165 97.3 78.0 117.0
167 14.2 10.5 15.7

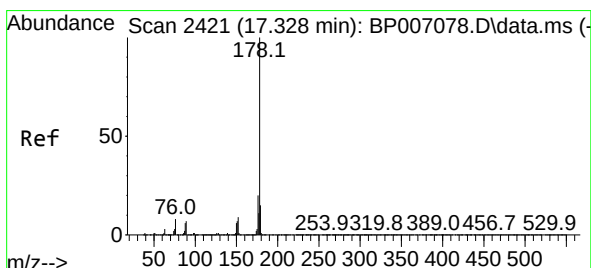
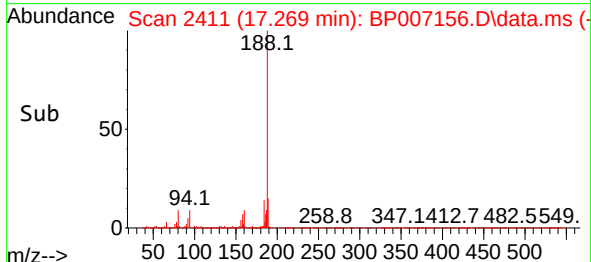
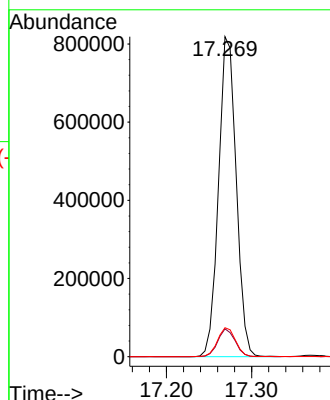
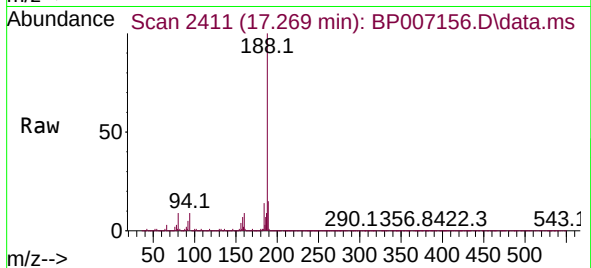




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.269 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

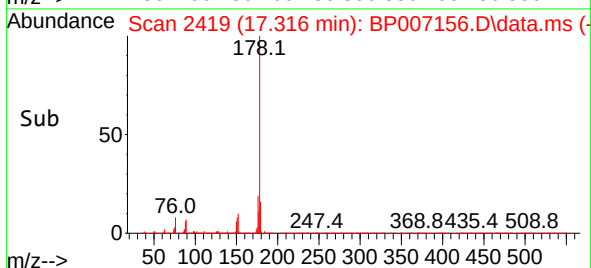
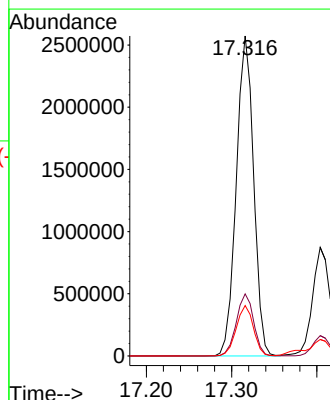
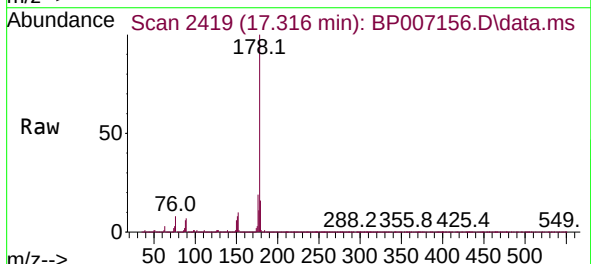
Instrument :
BNA_P
ClientSampleId :
PE-7

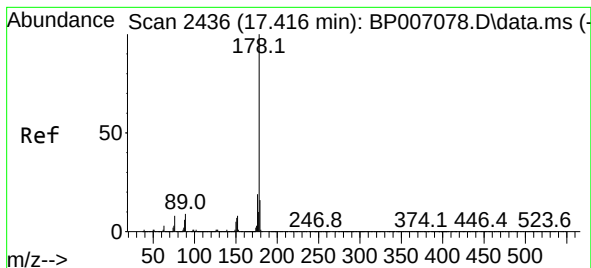
Tgt Ion:188 Resp: 1179635
Ion Ratio Lower Upper
188 100
94 8.7 5.6 8.4#
80 9.1 6.3 9.5



#71
Phenanthrene
Concen: 57.449 ng
RT: 17.316 min Scan# 2419
Delta R.T. -0.000 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

Tgt Ion:178 Resp: 3633707
Ion Ratio Lower Upper
178 100
176 19.4 15.1 22.7
179 15.8 12.4 18.6





#72

Anthracene

Concen: 19.722 ng

RT: 17.404 min Scan# 2434

Delta R.T. -0.006 min

Lab File: BP007156.D

Acq: 24 Sep 2021 13:25

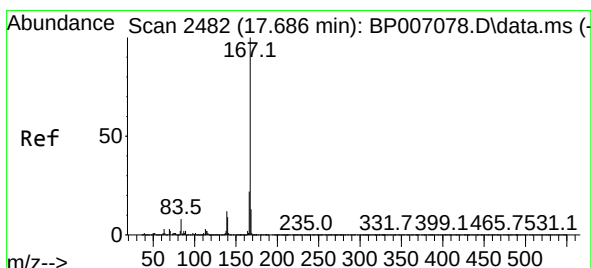
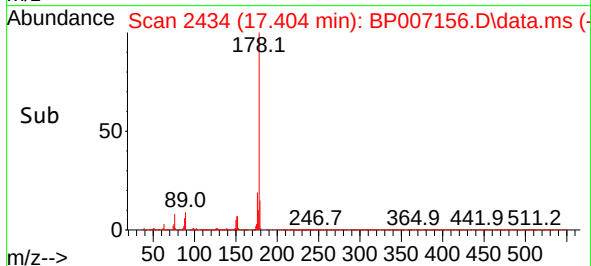
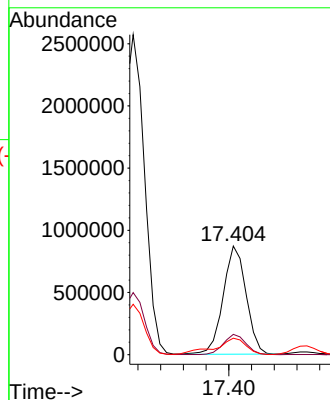
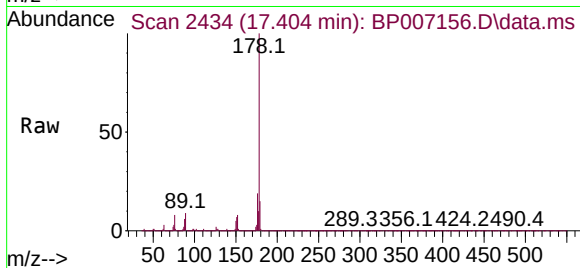
Tgt Ion:178 Resp: 1220278

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

179 15.2 12.2 18.2



#73

Carbazole

Concen: 8.128 ng

RT: 17.675 min Scan# 2480

Delta R.T. -0.006 min

Lab File: BP007156.D

Acq: 24 Sep 2021 13:25

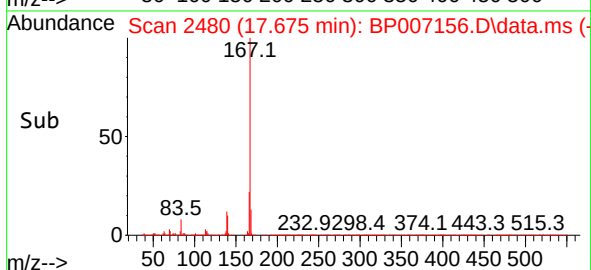
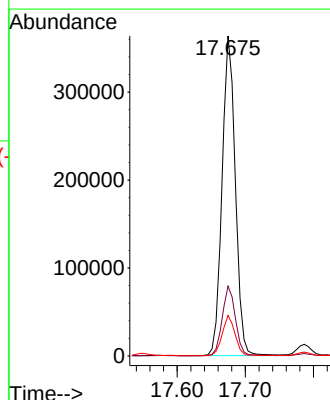
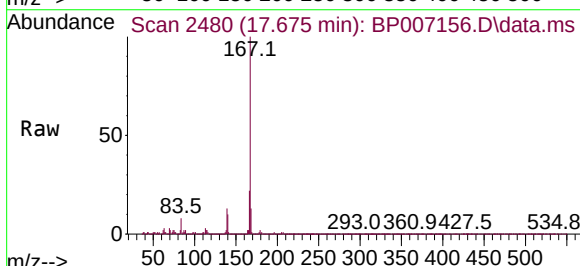
Tgt Ion:167 Resp: 492832

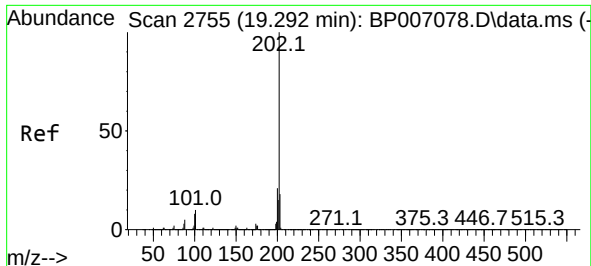
Ion Ratio Lower Upper

167 100

166 21.8 17.1 25.7

139 12.6 10.7 16.1

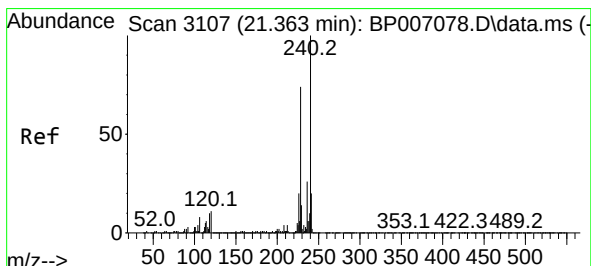
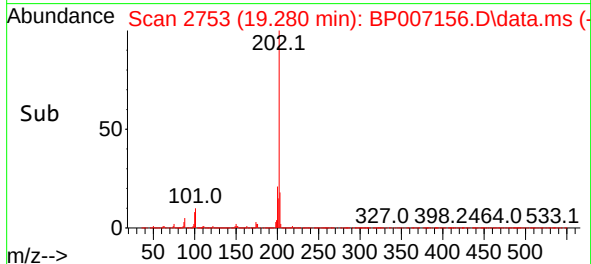
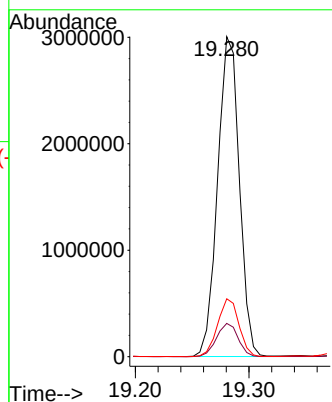
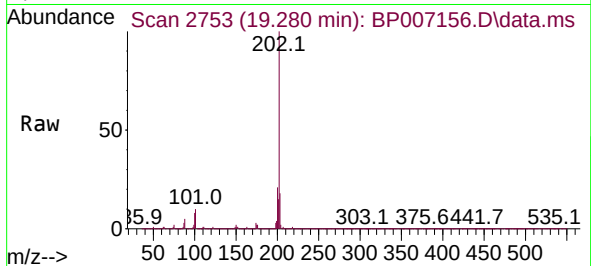




#75
Fluoranthene
Concen: 54.857 ng
RT: 19.280 min Scan# 2753
Delta R.T. -0.000 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

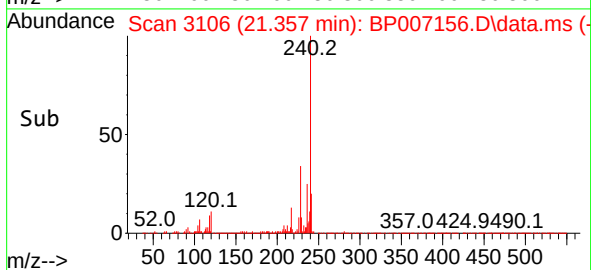
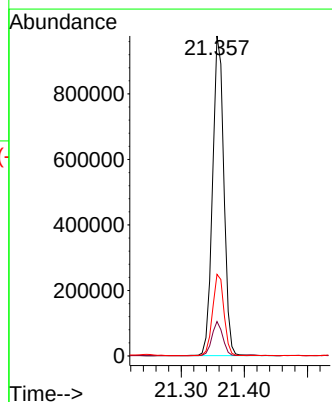
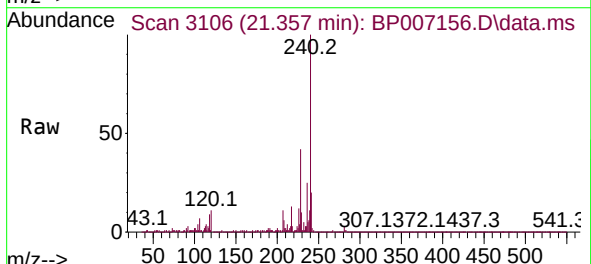
Instrument :
BNA_P
ClientSampleId :
PE-7

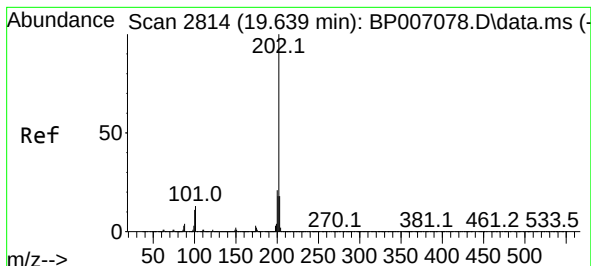
Tgt Ion:202 Resp: 3997587
Ion Ratio Lower Upper
202 100
101 10.4 0.0 27.6
203 18.1 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.357 min Scan# 3106
Delta R.T. -0.000 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

Tgt Ion:240 Resp: 1205628
Ion Ratio Lower Upper
240 100
120 10.7 6.5 9.7#
236 25.5 20.6 31.0





#78

Pyrene

Concen: 41.977 ng

RT: 19.633 min Scan# 2813

Delta R.T. -0.000 min

Lab File: BP007156.D

Acq: 24 Sep 2021 13:25

Instrument :

BNA_P

ClientSampleId :

PE-7

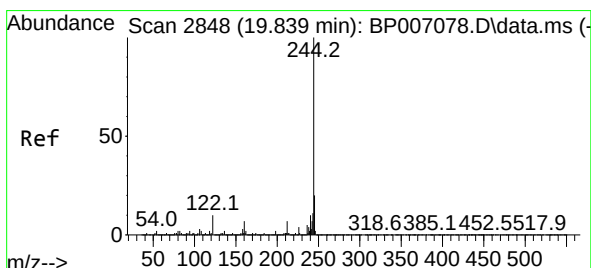
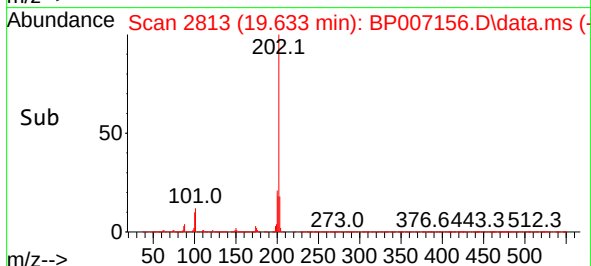
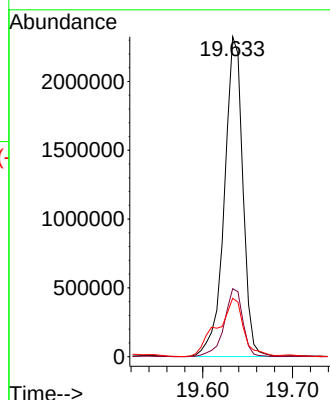
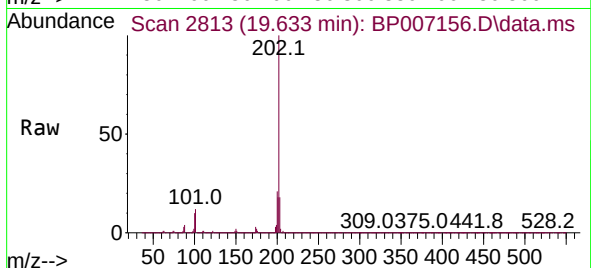
Tgt Ion:202 Resp: 3320379

Ion Ratio Lower Upper

202 100

200 21.2 16.3 24.5

203 18.3 14.2 21.2



#79

Terphenyl-d14

Concen: 56.308 ng

RT: 19.827 min Scan# 2846

Delta R.T. -0.006 min

Lab File: BP007156.D

Acq: 24 Sep 2021 13:25

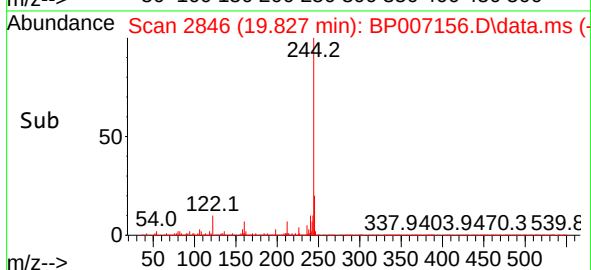
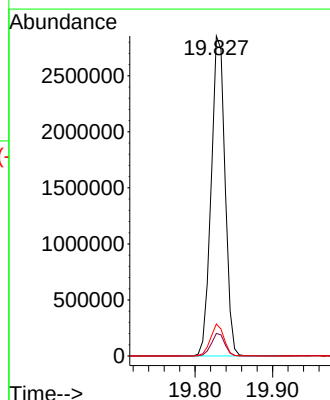
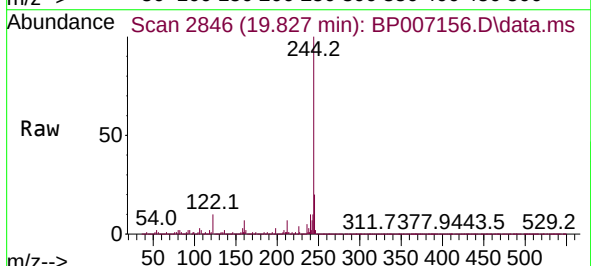
Tgt Ion:244 Resp: 3542658

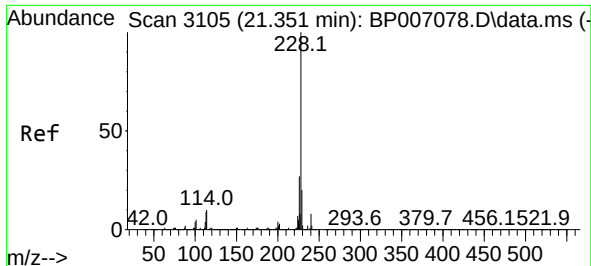
Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 10.0 7.1 10.7

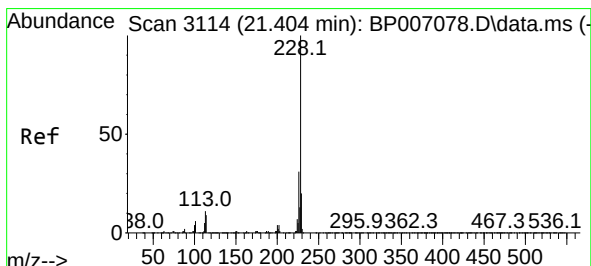
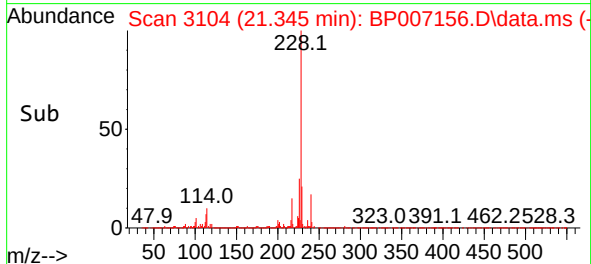
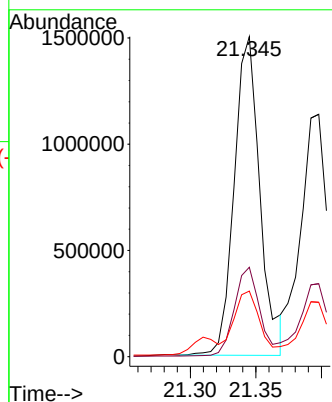
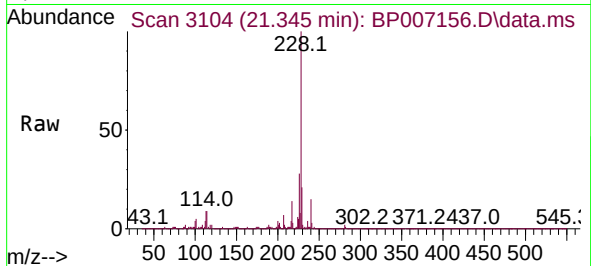




#81
Benzo(a)anthracene
Concen: 26.151 ng
RT: 21.345 min Scan# 3104
Delta R.T. -0.000 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

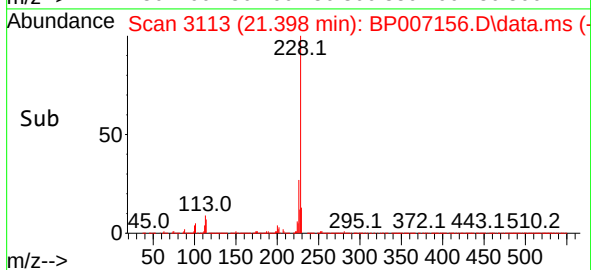
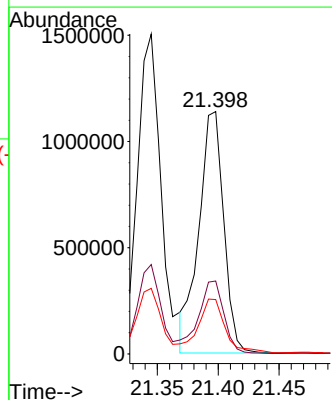
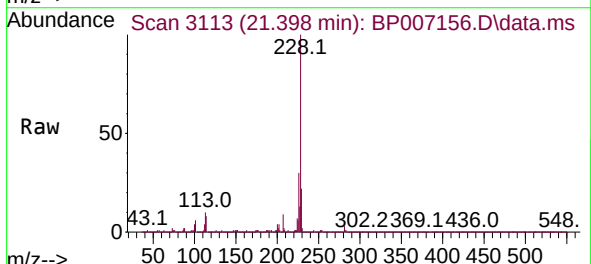
Instrument :
BNA_P
ClientSampleId :
PE-7

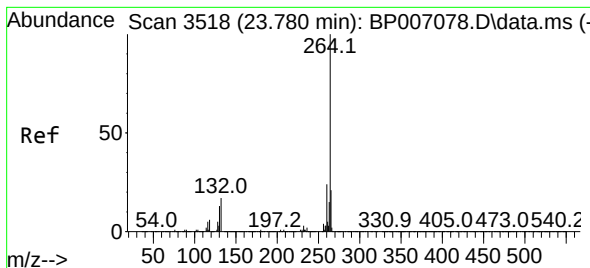
Tgt Ion:228 Resp: 2046513
Ion Ratio Lower Upper
228 100
226 27.9 21.6 32.4
229 20.5 15.8 23.6



#83
Chrysene
Concen: 21.641 ng
RT: 21.398 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

Tgt Ion:228 Resp: 1618608
Ion Ratio Lower Upper
228 100
226 30.1 23.8 35.6
229 22.5 15.4 23.2

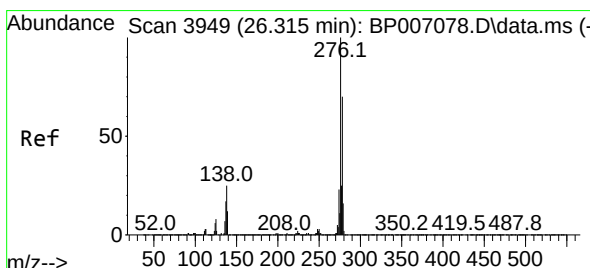
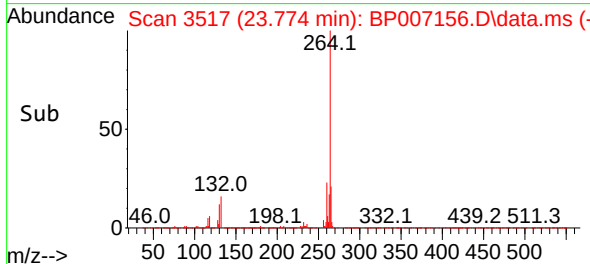
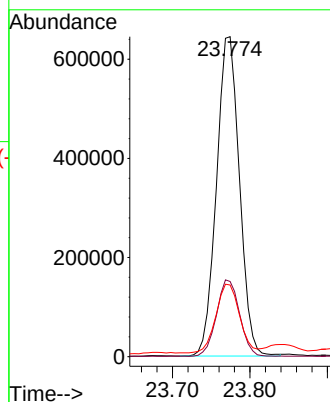
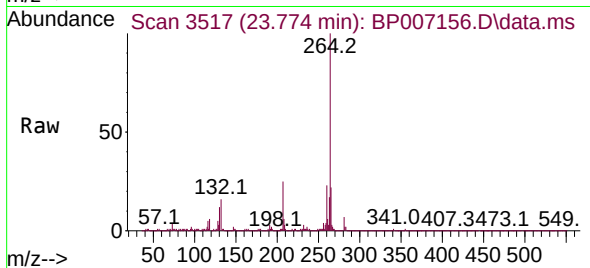




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.774 min Scan# 3517
Delta R.T. 0.006 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

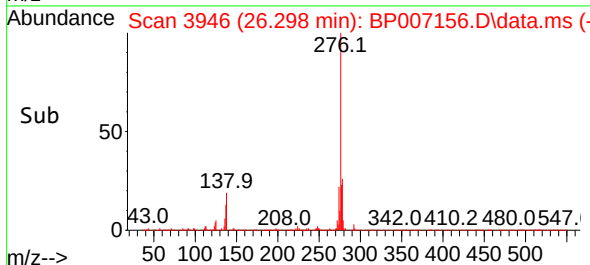
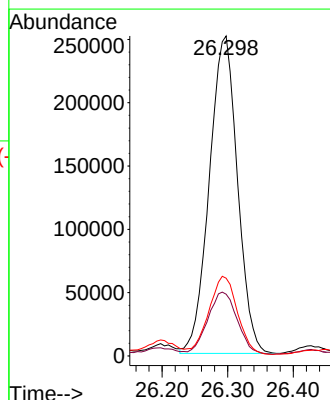
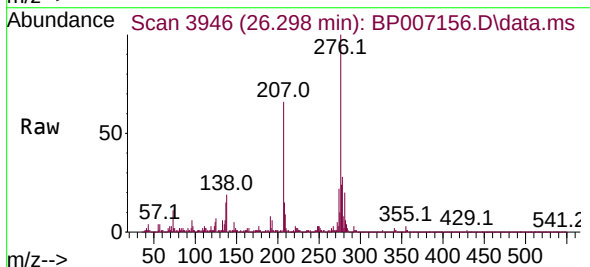
Instrument :
BNA_P
ClientSampleId :
PE-7

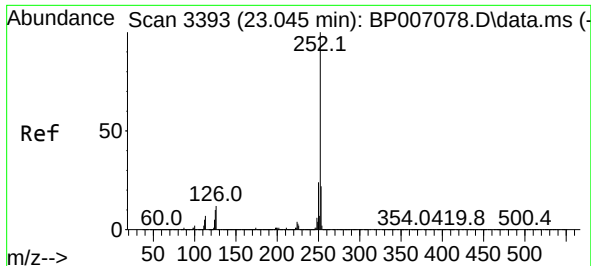
Tgt Ion:264 Resp: 1327812
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 22.4 17.6 26.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.847 ng
RT: 26.298 min Scan# 3946
Delta R.T. -0.006 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

Tgt Ion:276 Resp: 748797
Ion Ratio Lower Upper
276 100
138 20.5 15.3 22.9
277 25.0 20.4 30.6

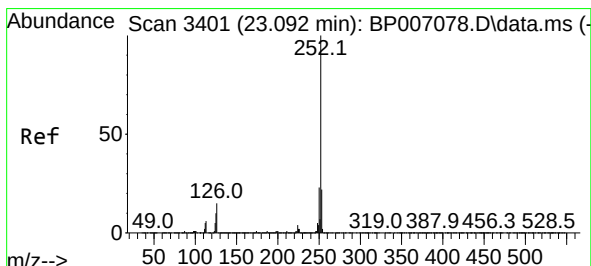
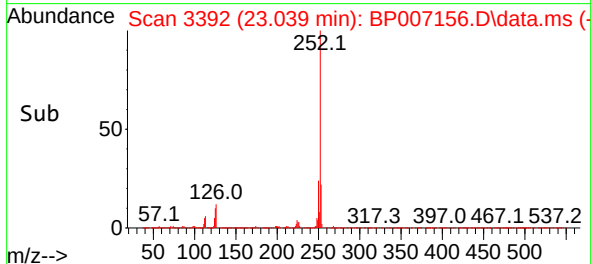
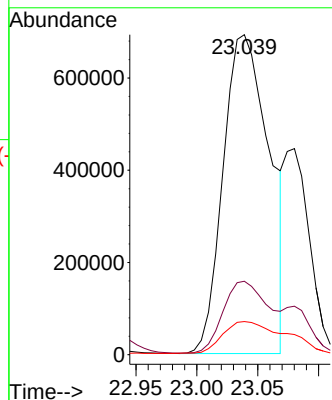
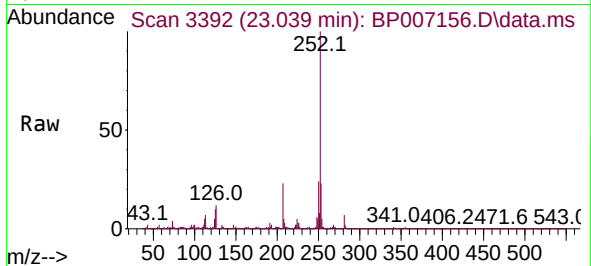




#88
Benzo(b)fluoranthene
Concen: 23.003 ng
RT: 23.039 min Scan# 3392
Delta R.T. 0.006 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

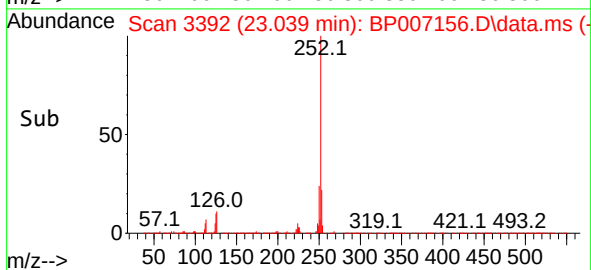
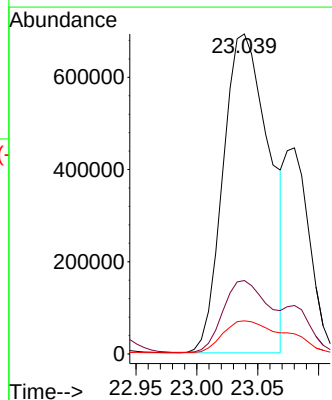
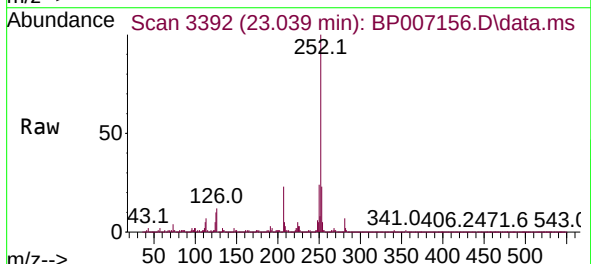
Instrument :
BNA_P
ClientSampled :
PE-7

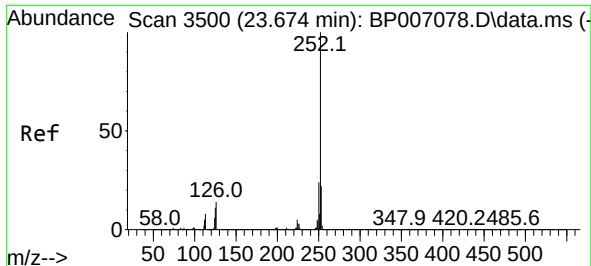
Tgt Ion:252 Resp: 1825380
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 10.3 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 22.720 ng
RT: 23.039 min Scan# 3392
Delta R.T. -0.047 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

Tgt Ion:252 Resp: 1825380
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 10.3 6.0 9.0#

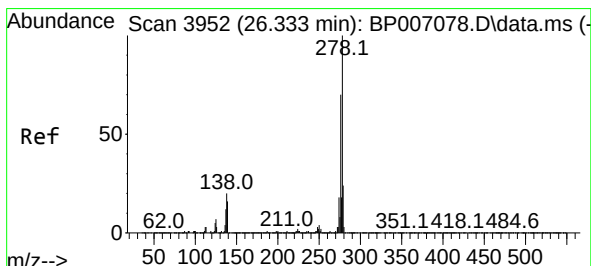
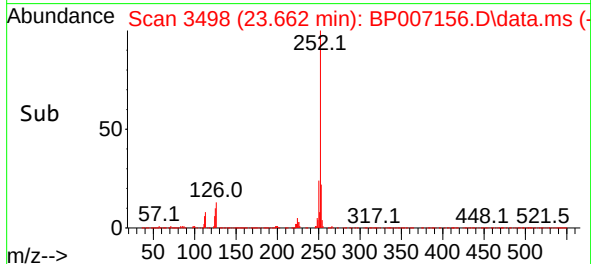
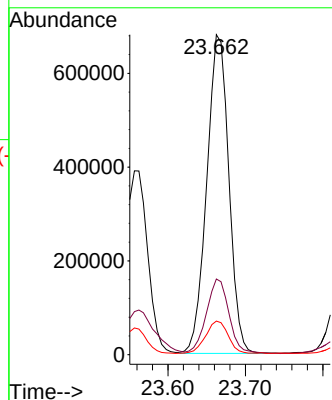
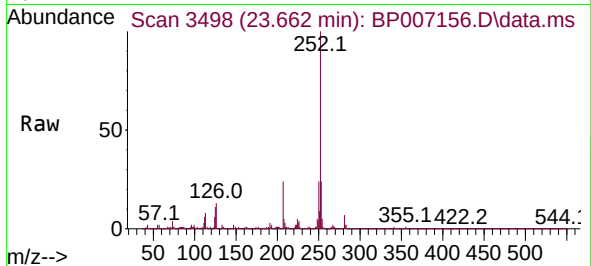




#90
Benzo(a)pyrene
Concen: 19.958 ng
RT: 23.662 min Scan# 3498
Delta R.T. -0.006 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

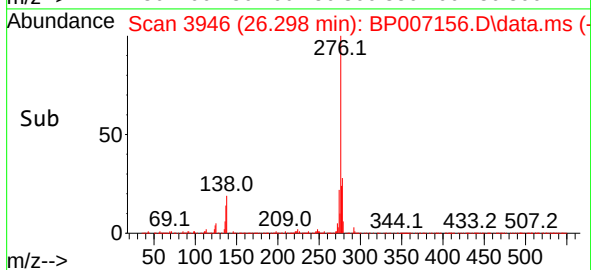
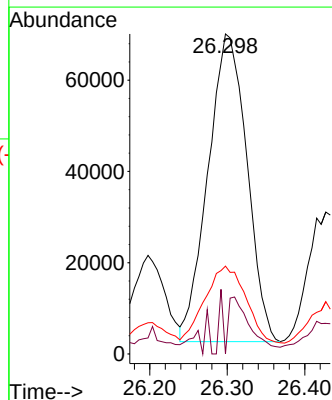
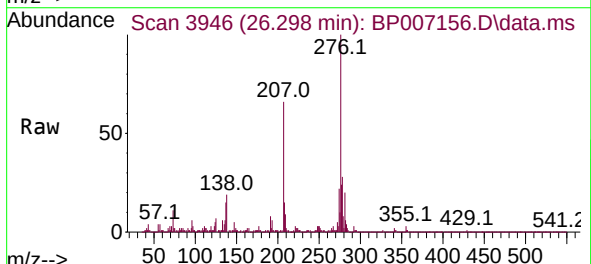
Instrument :
BNA_P
ClientSampleId :
PE-7

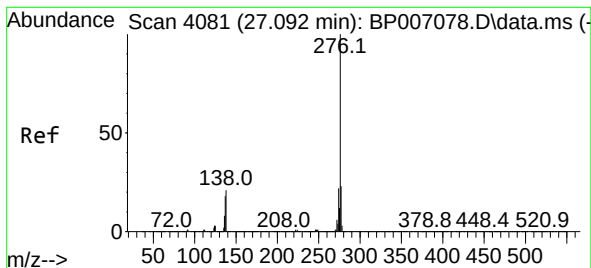
Tgt Ion:252 Resp: 1345480
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 10.5 6.5 9.7#



#91
Dibenzo(a,h)anthracene
Concen: 2.941 ng
RT: 26.298 min Scan# 3946
Delta R.T. -0.018 min
Lab File: BP007156.D
Acq: 24 Sep 2021 13:25

Tgt Ion:278 Resp: 235223
Ion Ratio Lower Upper
278 100
139 0.0 9.3 13.9#
279 27.4 18.8 28.2





#92

Benzo(g,h,i)perylene

Concen: 8.306 ng

RT: 27.074 min Scan# 4078

Delta R.T. -0.000 min

Lab File: BP007156.D

Acq: 24 Sep 2021 13:25

Instrument :

BNA_P

ClientSampleId :

PE-7

Tgt Ion:276 Resp: 648168

Ion Ratio Lower Upper

276 100

277 24.3 18.9 28.3

138 19.6 12.6 18.8#

