

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070921\
 Data File : BP006167.D
 Acq On : 09 Jul 2021 18:41
 Operator : CG/JU
 Sample : M2969-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB05

Quant Time: Jul 10 01:12:14 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 07 16:08:13 2021
 Response via : Initial Calibration

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

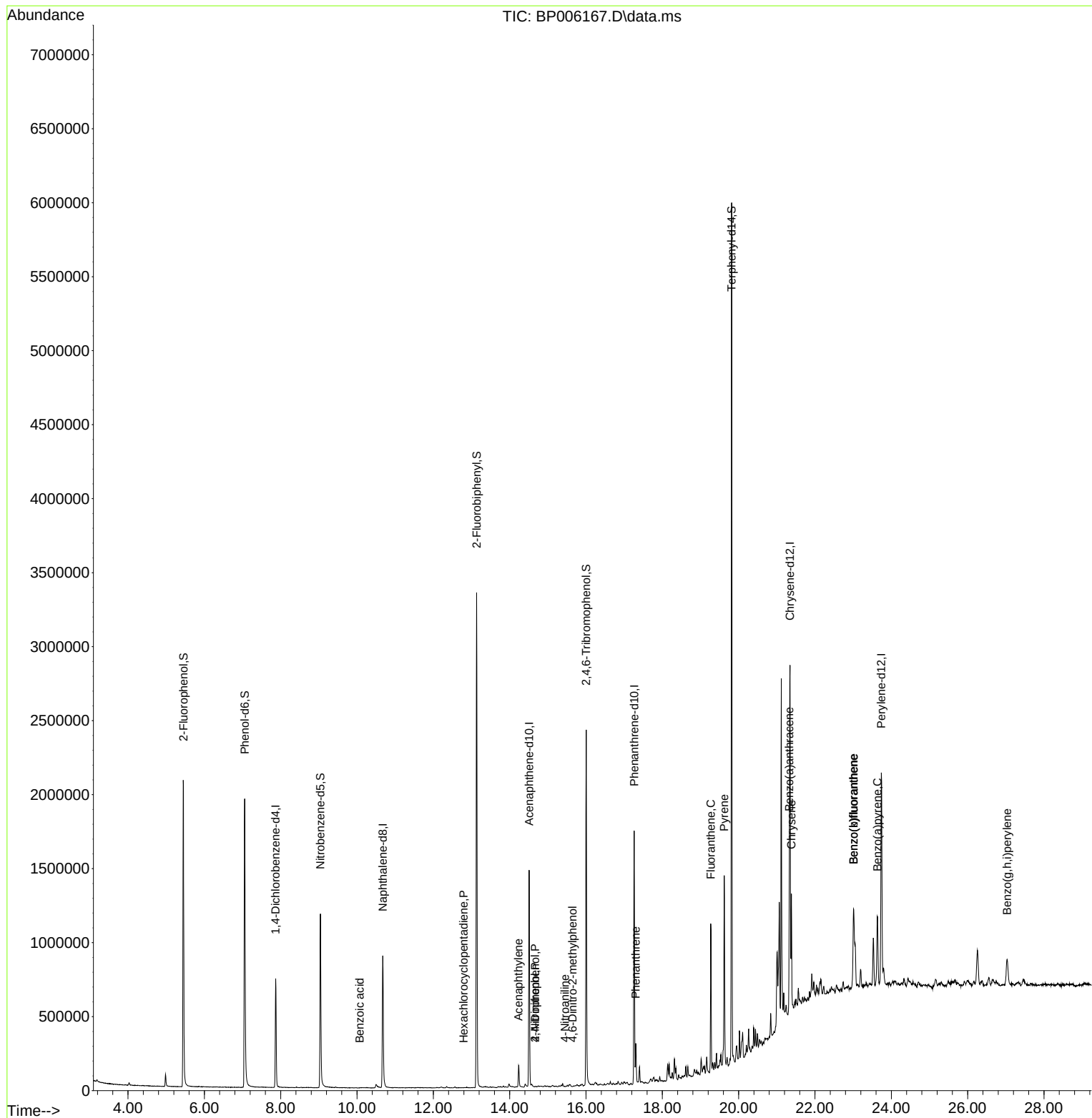
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.869	152	216867	20.00	ng	0.00
21) Naphthalene-d8	10.675	136	856780	20.00	ng	0.00
39) Acenaphthene-d10	14.510	164	505649	20.00	ng	0.00
64) Phenanthrene-d10	17.263	188	961128	20.00	ng	# 0.00
76) Chrysene-d12	21.345	240	911841	20.00	ng	# 0.00
86) Perylene-d12	23.739	264	1038389	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	1076680	85.42	ng	0.00
7) Phenol-d6	7.057	99	1321043	79.24	ng	0.00
23) Nitrobenzene-d5	9.040	82	753283	55.53	ng	0.00
42) 2,4,6-Tribromophenol	16.004	330	468467	77.82	ng	0.00
45) 2-Fluorobiphenyl	13.133	172	1729458	50.56	ng	0.00
79) Terphenyl-d14	19.815	244	2437745	52.71	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.069	122	12	6.90	ng	# 1
41) Hexachlorocyclopentadiene	12.792	237	8	8.70	ng	90
49) Acenaphthylene	14.233	152	121441	2.58	ng	99
54) 2,4-Dinitrophenol	14.669	184	20	8.88	ng	# 1
56) 4-Nitrophenol	14.669	139	60	7.13	ng	87
62) 4-Nitroaniline	15.445	138	20	2.96	ng	91
65) 4,6-Dinitro-2-methylph...	15.651	198	16	4.42	ng	# 1
71) Phenanthrene	17.304	178	164013	3.02	ng	97
75) Fluoranthene	19.268	202	544454	9.15	ng	95
78) Pyrene	19.621	202	726954	11.80	ng	99
81) Benzo(a)anthracene	21.327	228	396148	6.87	ng	99
83) Chrysene	21.380	228	379347	6.66	ng	98
88) Benzo(b)fluoranthene	23.009	252	451569	7.17	ng	# 95
89) Benzo(k)fluoranthene	23.009	252	451569	7.33	ng	# 95
90) Benzo(a)pyrene	23.633	252	346201	5.86	ng	# 93
92) Benzo(g,h,i)perylene	27.033	276	235077	3.62	ng	# 87

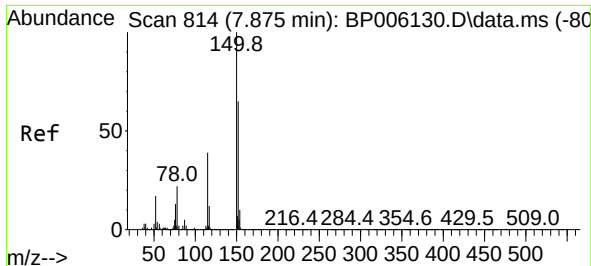
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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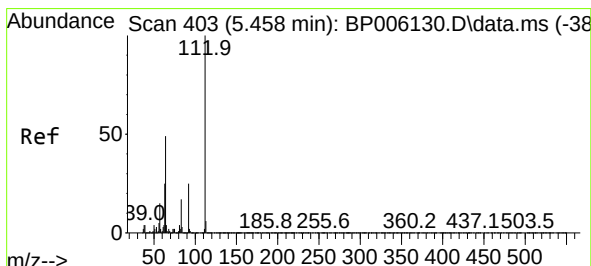
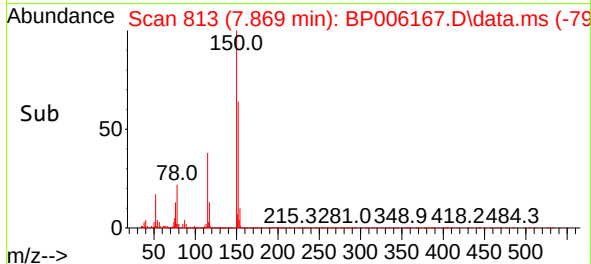
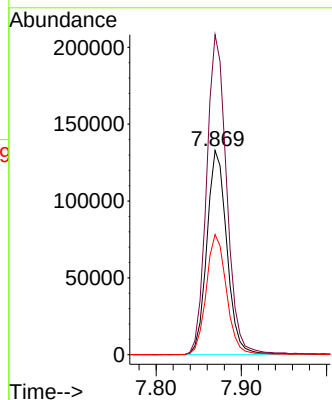
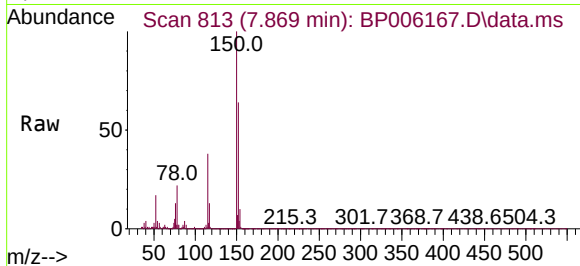




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BP006167.D
Acq: 09 Jul 2021 18:41

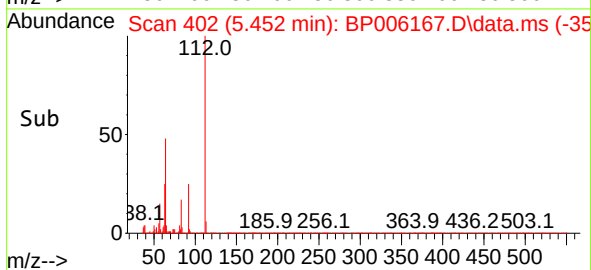
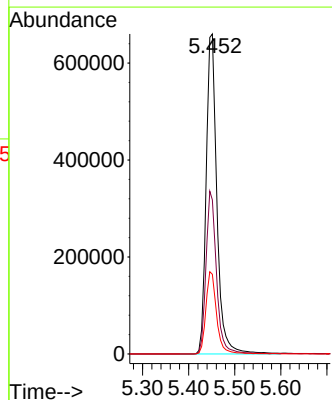
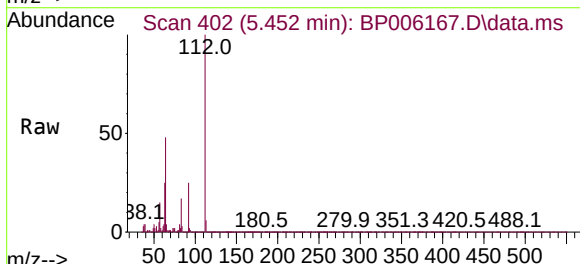
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BNA_P
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SB05

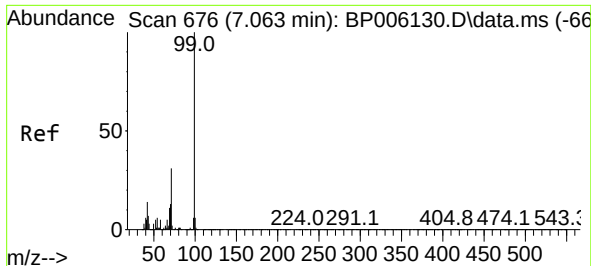
Tgt Ion:152 Resp: 216867
Ion Ratio Lower Upper
152 100
150 156.7 125.6 188.4
115 58.9 48.5 72.7



#5
2-Fluorophenol
Concen: 85.42 ng
RT: 5.452 min Scan# 402
Delta R.T. -0.006 min
Lab File: BP006167.D
Acq: 09 Jul 2021 18:41

Tgt Ion:112 Resp: 1076680
Ion Ratio Lower Upper
112 100
64 48.2 41.4 62.2
63 24.9 23.8 35.8

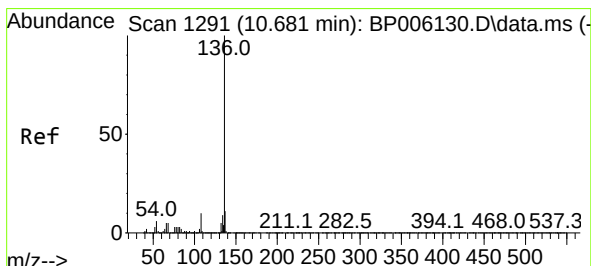
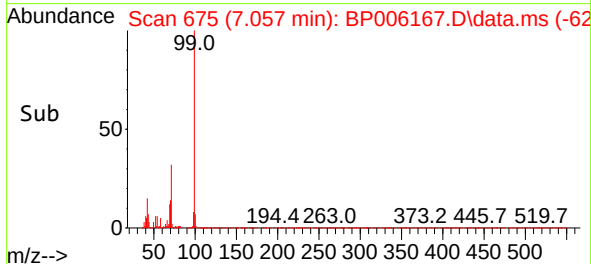
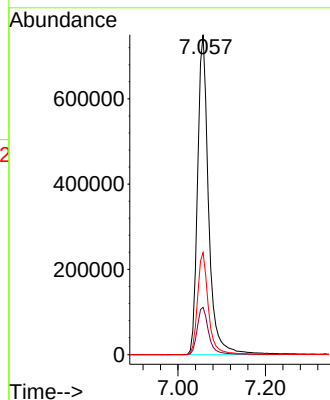
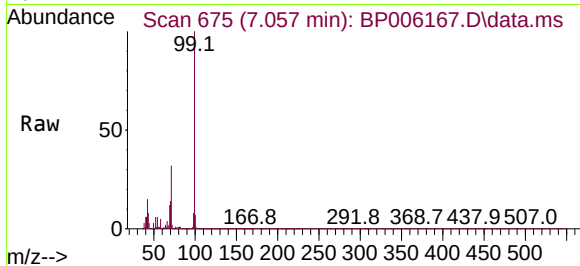




#7
Phenol-d6
Concen: 79.24 ng
RT: 7.057 min Scan# 675
Delta R.T. -0.006 min
Lab File: BP006167.D
Acq: 09 Jul 2021 18:41

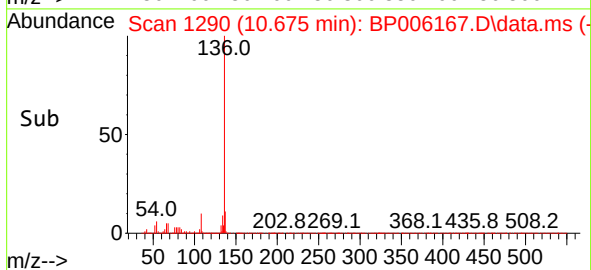
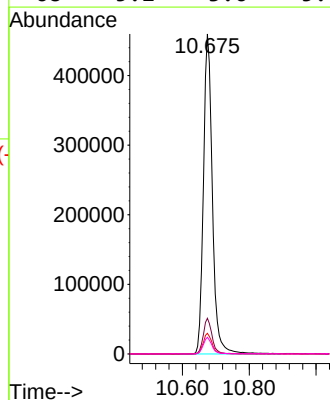
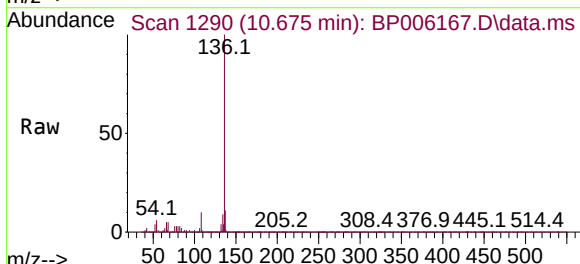
Instrument :
BNA_P
ClientSampleId :
SB05

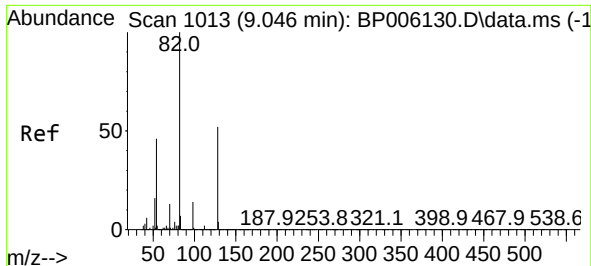
Tgt Ion: 99 Resp: 1321043
Ion Ratio Lower Upper
99 100
42 14.8 13.4 20.0
71 31.9 30.6 46.0



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.675 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BP006167.D
Acq: 09 Jul 2021 18:41

Tgt Ion: 136 Resp: 856780
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 6.5 4.6 6.8
68 5.2 3.6 5.4

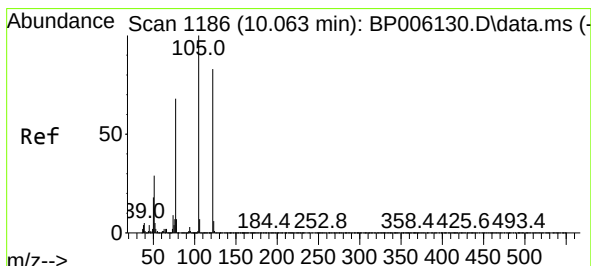
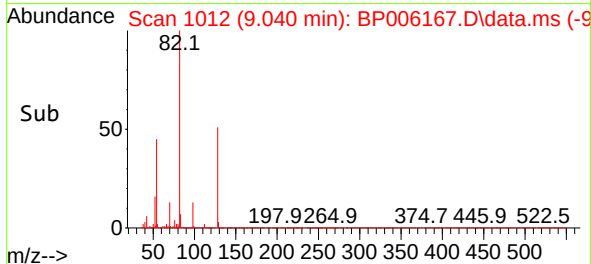
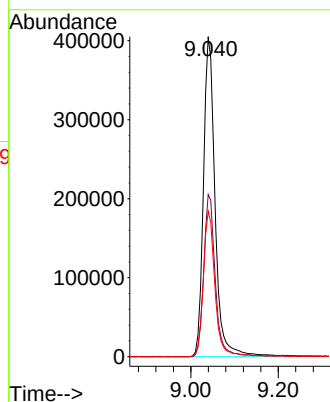
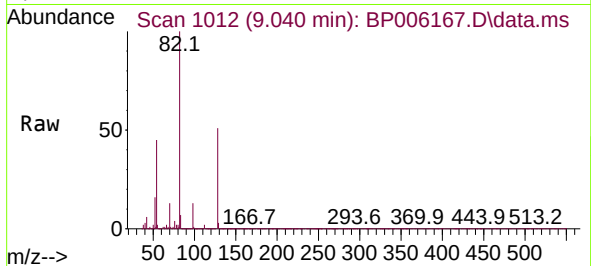




#23
Nitrobenzene-d5
Concen: 55.53 ng
RT: 9.040 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BP006167.D
Acq: 09 Jul 2021 18:41

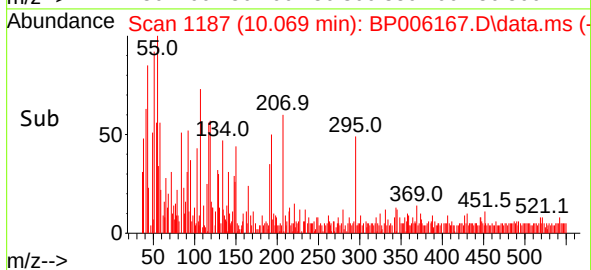
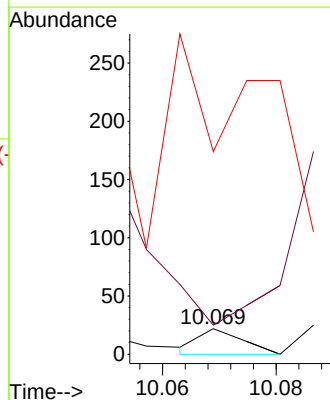
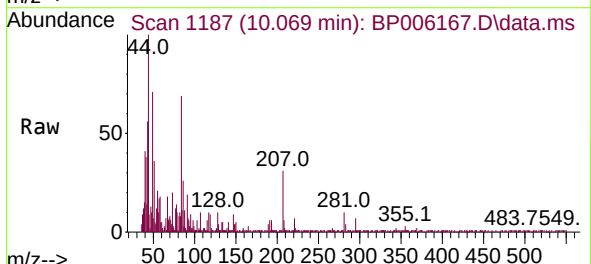
Instrument :
BNA_P
ClientSampleId :
SB05

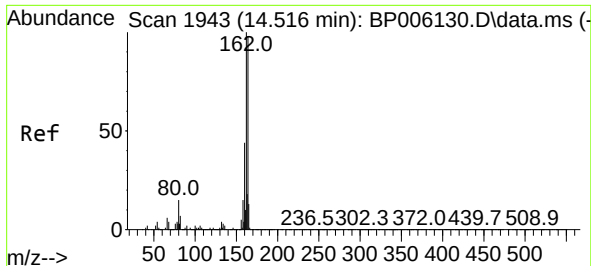
Tgt Ion: 82 Resp: 753283
Ion Ratio Lower Upper
82 100
128 50.7 35.7 53.5
54 45.5 35.0 52.4



#32
Benzoic acid
Concen: 6.90 ng
RT: 10.069 min Scan# 1187
Delta R.T. 0.006 min
Lab File: BP006167.D
Acq: 09 Jul 2021 18:41

Tgt Ion:122 Resp: 12
Ion Ratio Lower Upper
122 100
105 181.8 103.2 143.2#
77 790.9 76.2 116.2#

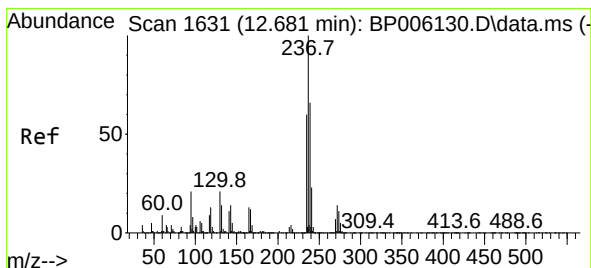
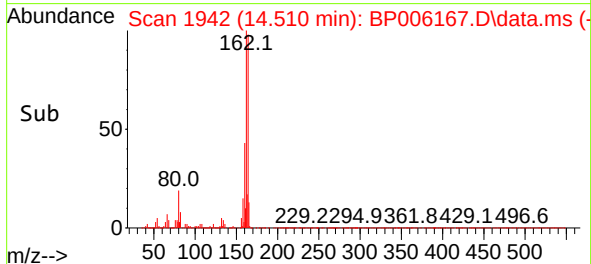
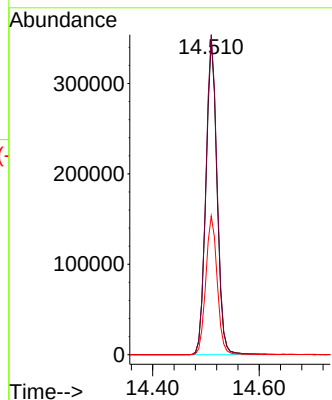
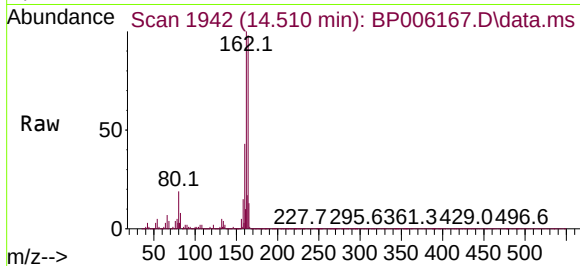




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.510 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BP006167.D
Acq: 09 Jul 2021 18:41

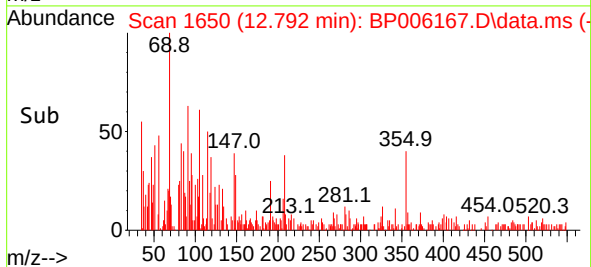
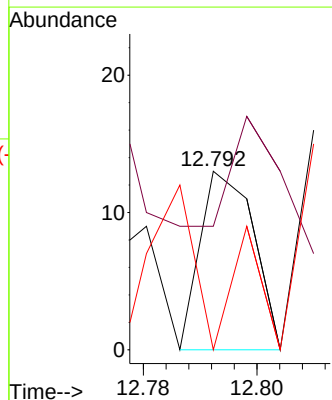
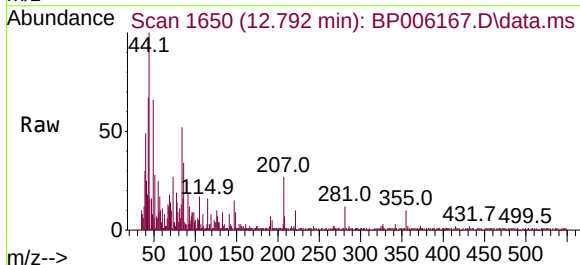
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ClientSampleId :
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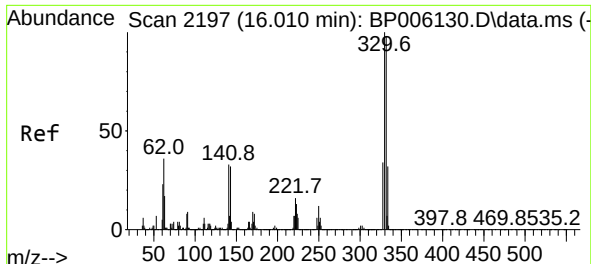
Tgt Ion:164 Resp: 505649
Ion Ratio Lower Upper
164 100
162 101.6 80.2 120.2
160 44.0 34.5 51.7



#41
Hexachlorocyclopentadiene
Concen: 8.70 ng
RT: 12.792 min Scan# 1650
Delta R.T. 0.111 min
Lab File: BP006167.D
Acq: 09 Jul 2021 18:41

Tgt Ion:237 Resp: 8
Ion Ratio Lower Upper
237 100
235 69.2 44.5 84.5
272 0.0 0.0 32.5

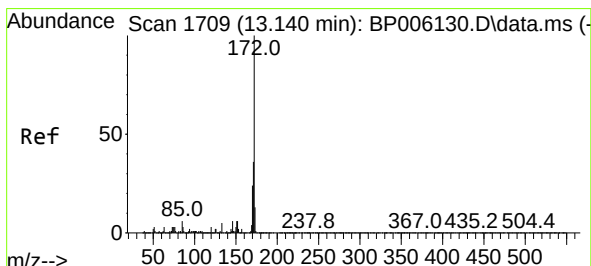
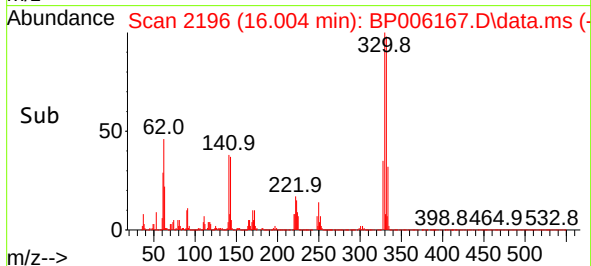
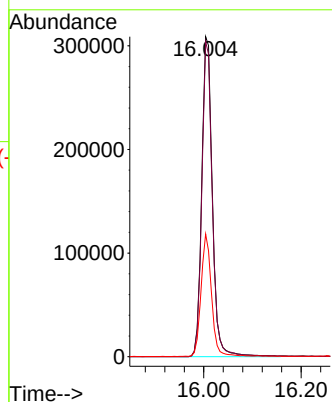
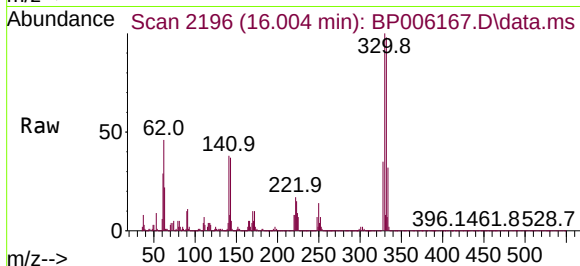




#42
2,4,6-Tribromophenol
Concen: 77.82 ng
RT: 16.004 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BP006167.D
Acq: 09 Jul 2021 18:41

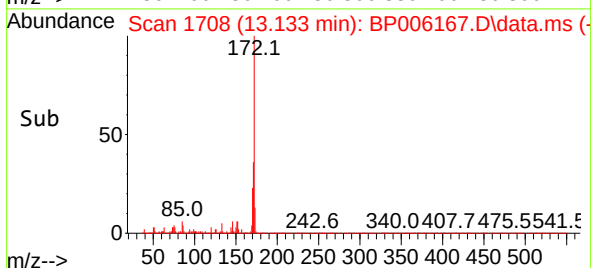
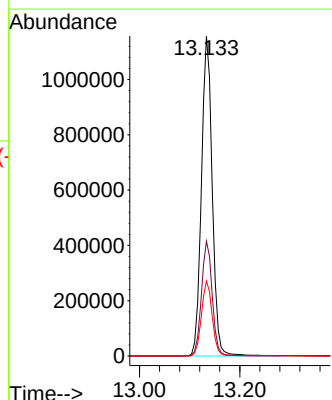
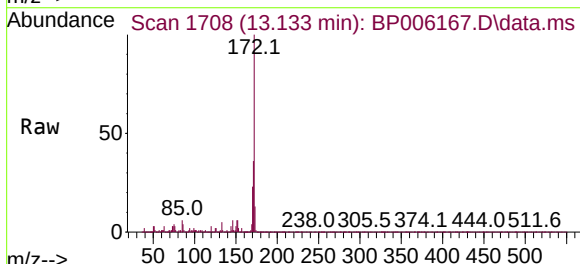
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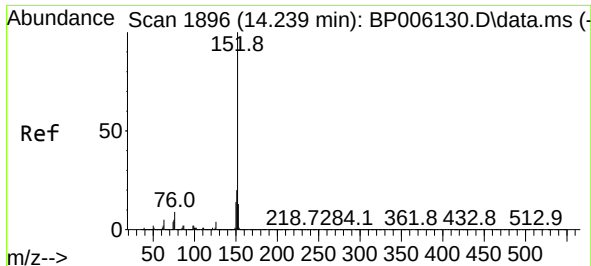
Tgt Ion:330 Resp: 468467
Ion Ratio Lower Upper
330 100
332 97.4 77.8 116.8
141 37.7 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 50.56 ng
RT: 13.133 min Scan# 1708
Delta R.T. -0.006 min
Lab File: BP006167.D
Acq: 09 Jul 2021 18:41

Tgt Ion:172 Resp: 1729458
Ion Ratio Lower Upper
172 100
171 35.9 27.9 41.9
170 23.4 18.6 27.8

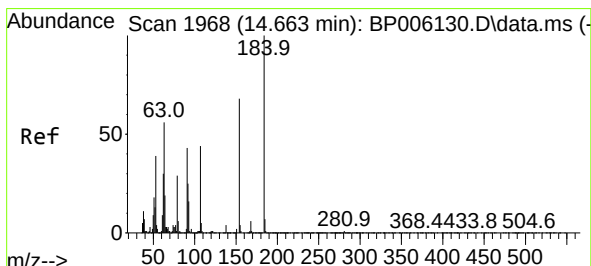
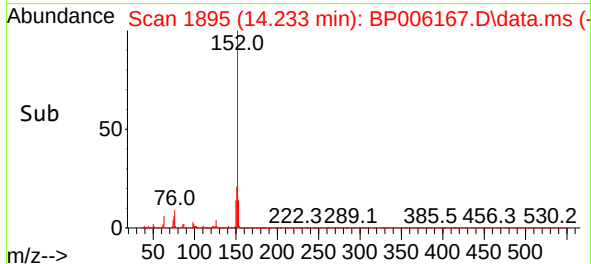
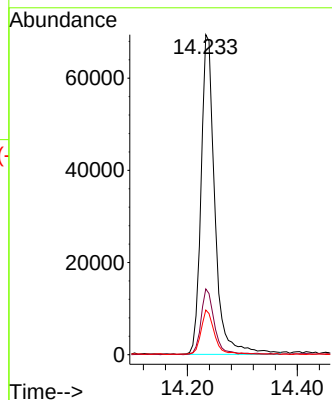
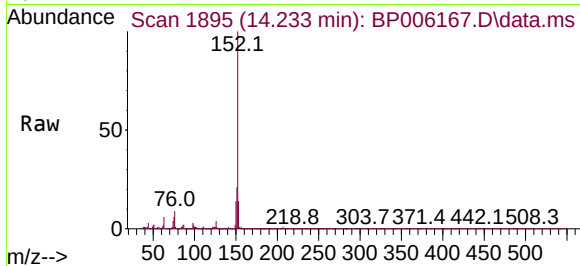




#49
Acenaphthylene
Concen: 2.58 ng
RT: 14.233 min Scan# 1895
Delta R.T. -0.006 min
Lab File: BP006167.D
Acq: 09 Jul 2021 18:41

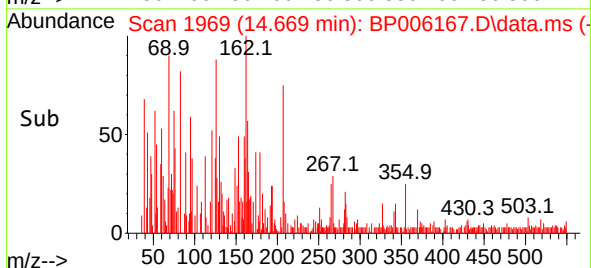
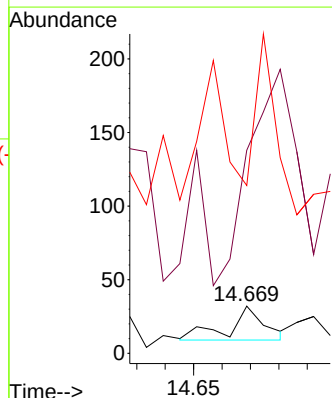
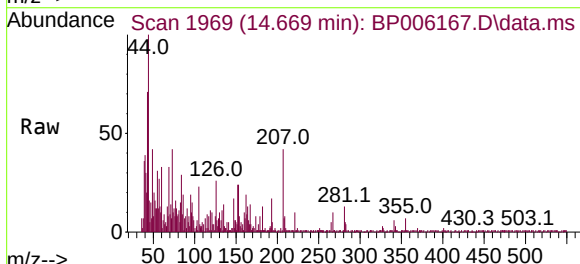
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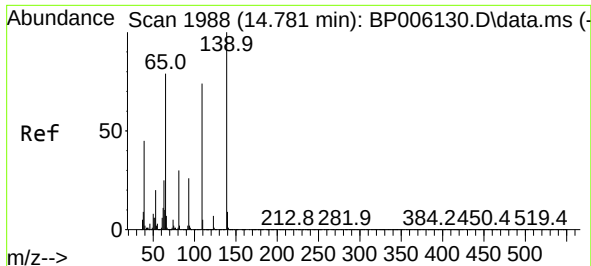
Tgt Ion:	152	Resp:	121441
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.2	24.2
153	13.9	10.6	16.0



#54
2,4-Dinitrophenol
Concen: 8.88 ng
RT: 14.669 min Scan# 1969
Delta R.T. 0.006 min
Lab File: BP006167.D
Acq: 09 Jul 2021 18:41

Tgt Ion:	184	Resp:	20
Ion Ratio	Lower	Upper	
184	100		
63	431.3	47.0	70.6#
154	356.3	52.3	78.5#

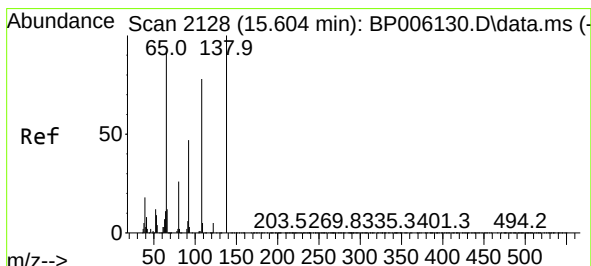
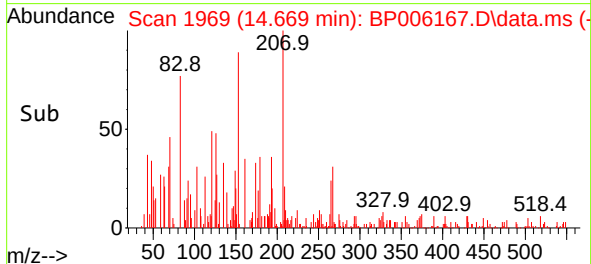
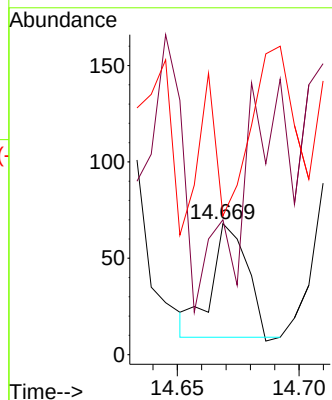
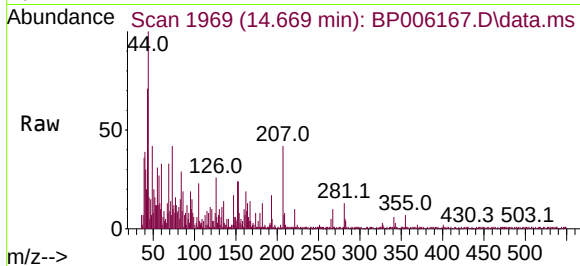




#56
4-Nitrophenol
Concen: 7.13 ng
RT: 14.669 min Scan# 1969
Delta R.T. -0.112 min
Lab File: BP006167.D
Acq: 09 Jul 2021 18:41

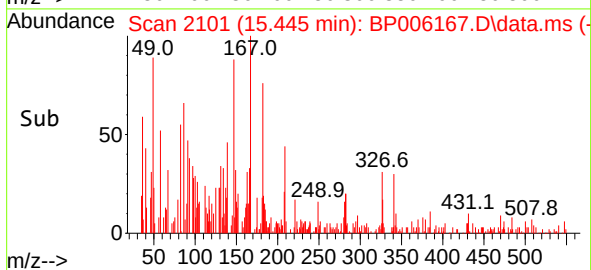
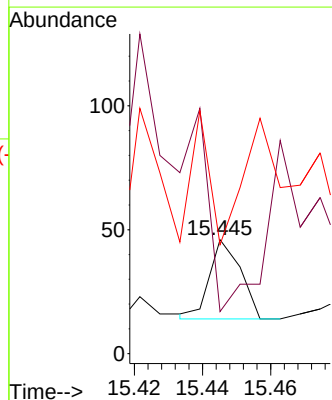
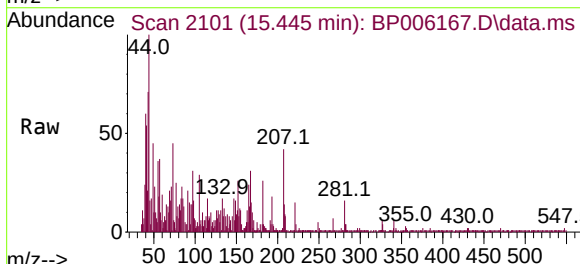
Instrument :
BNA_P
ClientSampled :
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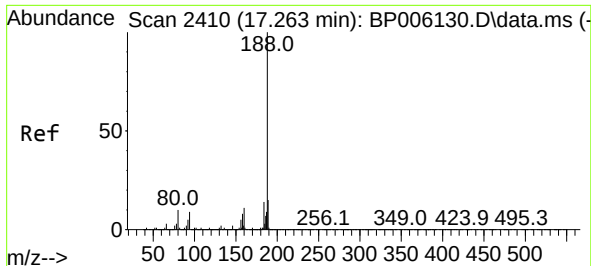
Tgt Ion:139 Resp: 60
Ion Ratio Lower Upper
139 100
109 102.9 72.3 112.3
65 105.9 72.5 112.5



#62
4-Nitroaniline
Concen: 2.96 ng
RT: 15.445 min Scan# 2101
Delta R.T. -0.159 min
Lab File: BP006167.D
Acq: 09 Jul 2021 18:41

Tgt Ion:138 Resp: 20
Ion Ratio Lower Upper
138 100
92 37.0 31.2 71.2
108 95.7 78.6 118.6

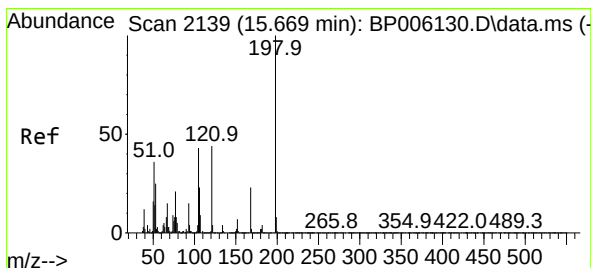
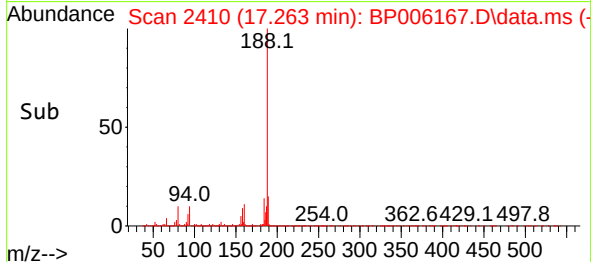
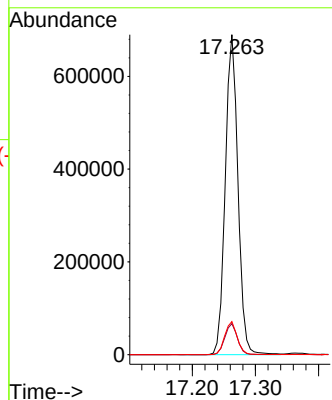
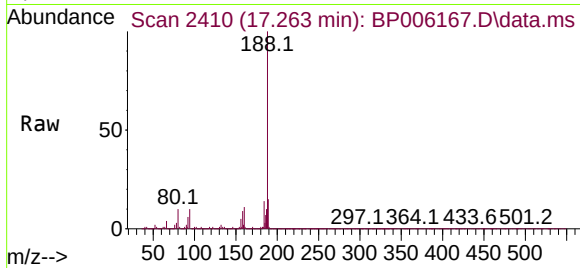




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.263 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BP006167.D
Acq: 09 Jul 2021 18:41

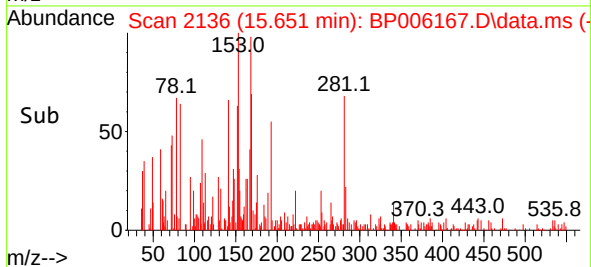
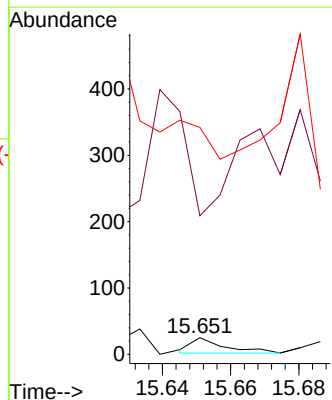
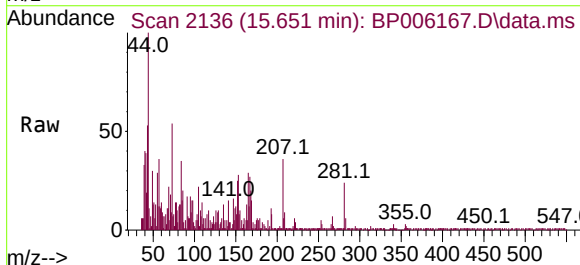
Instrument :
BNA_P
ClientSampled :
SB05

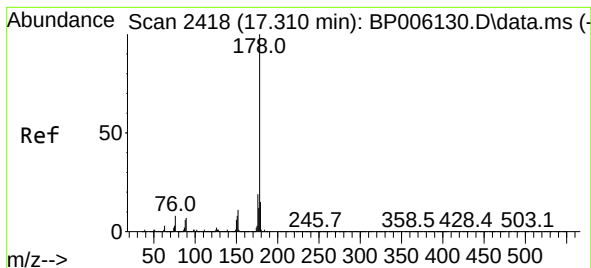
Tgt Ion:188 Resp: 961128
Ion Ratio Lower Upper
188 100
94 9.7 5.6 8.4#
80 10.4 6.3 9.5#



#65
4,6-Dinitro-2-methylphenol
Concen: 4.42 ng
RT: 15.651 min Scan# 2136
Delta R.T. -0.018 min
Lab File: BP006167.D
Acq: 09 Jul 2021 18:41

Tgt Ion:198 Resp: 16
Ion Ratio Lower Upper
198 100
51 836.0 14.0 54.0#
105 1368.0 19.5 59.5#

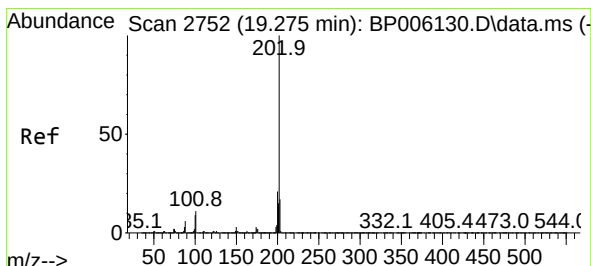
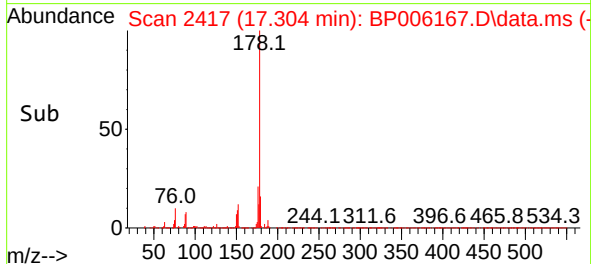
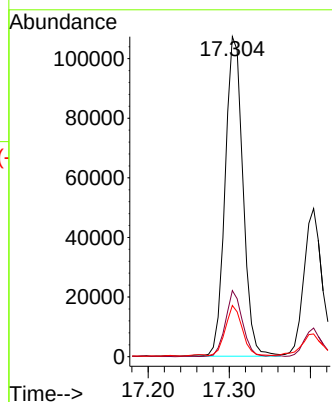
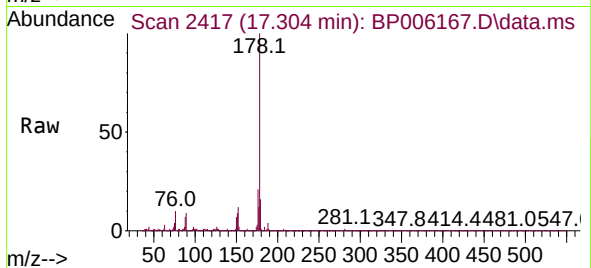




#71
Phenanthrene
Concen: 3.02 ng
RT: 17.304 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BP006167.D
Acq: 09 Jul 2021 18:41

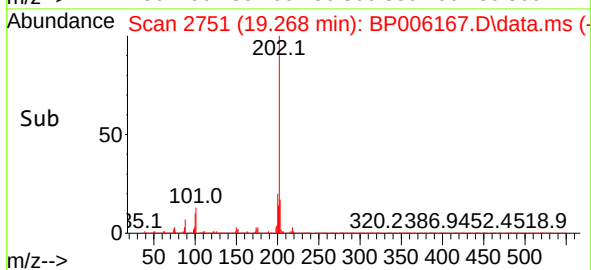
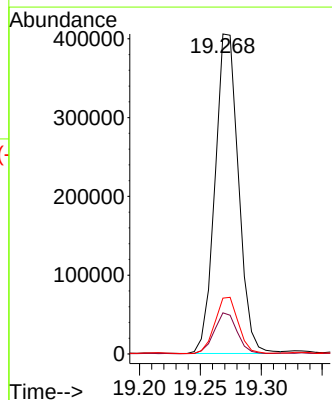
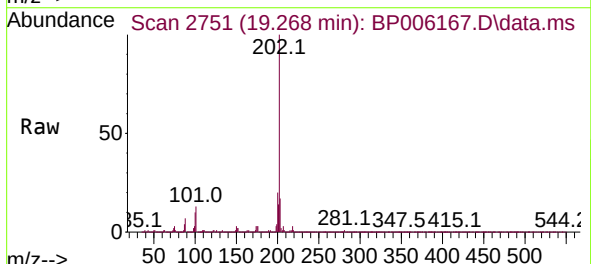
Instrument :
BNA_P
ClientSampleId :
SB05

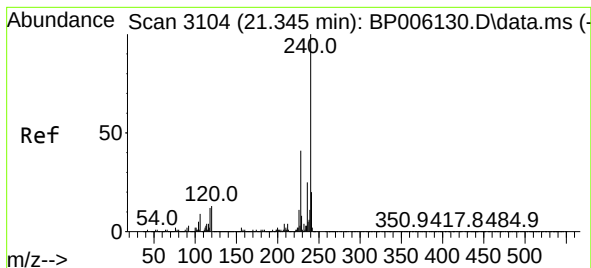
Tgt Ion:178 Resp: 164013
Ion Ratio Lower Upper
178 100
176 20.7 15.1 22.7
179 16.0 12.4 18.6



#75
Fluoranthene
Concen: 9.15 ng
RT: 19.268 min Scan# 2751
Delta R.T. -0.006 min
Lab File: BP006167.D
Acq: 09 Jul 2021 18:41

Tgt Ion:202 Resp: 544454
Ion Ratio Lower Upper
202 100
101 12.9 0.0 27.6
203 17.5 0.0 37.8





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.345 min Scan# 3104

Delta R.T. -0.000 min

Lab File: BP006167.D

Acq: 09 Jul 2021 18:41

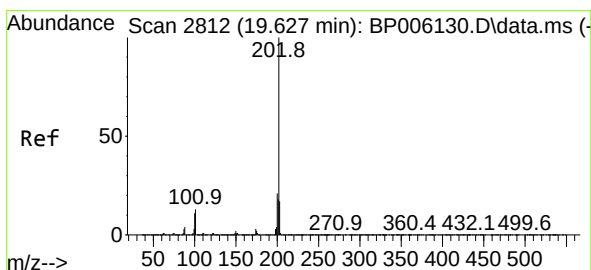
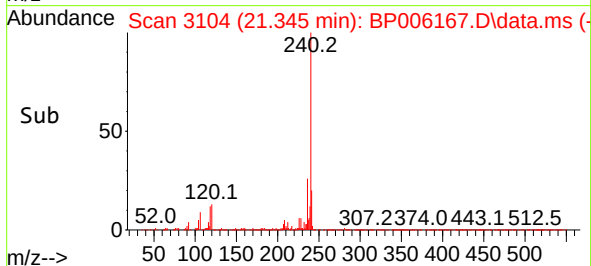
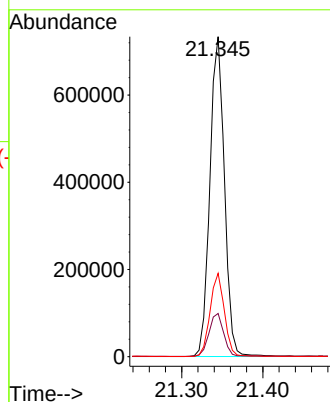
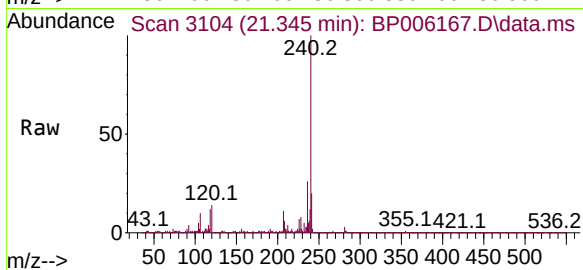
Instrument :

BNA_P

ClientSampleId :

SB05

Tgt Ion:240 Resp: 911841
 Ion Ratio Lower Upper
 240 100
 120 13.5 6.5 9.7#
 236 26.0 20.6 31.0



#78

Pyrene

Concen: 11.80 ng

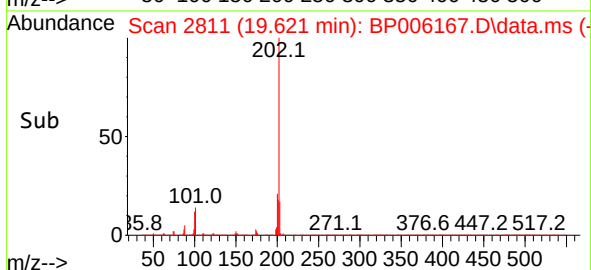
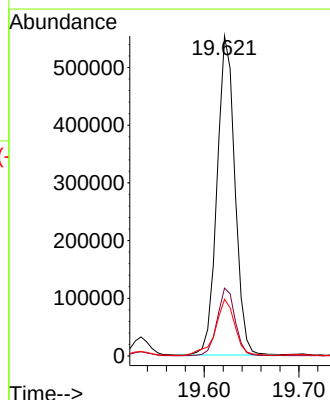
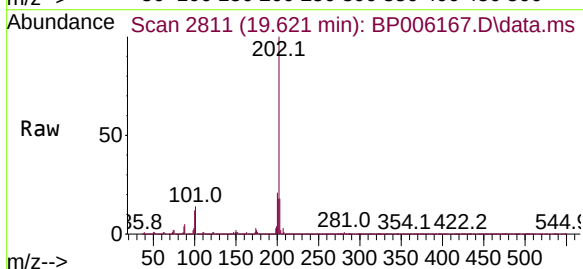
RT: 19.621 min Scan# 2811

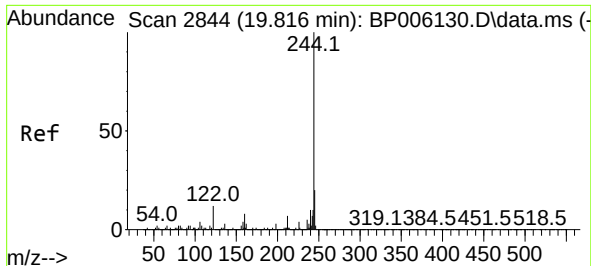
Delta R.T. -0.006 min

Lab File: BP006167.D

Acq: 09 Jul 2021 18:41

Tgt Ion:202 Resp: 726954
 Ion Ratio Lower Upper
 202 100
 200 21.2 16.3 24.5
 203 17.7 14.2 21.2

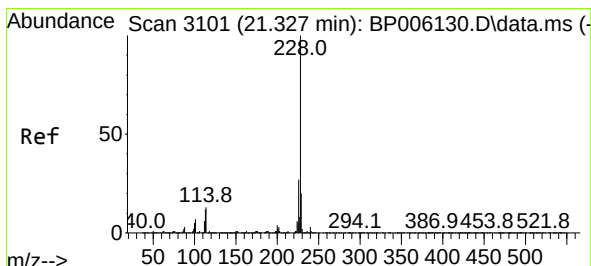
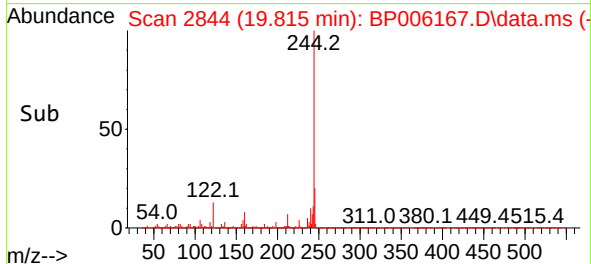
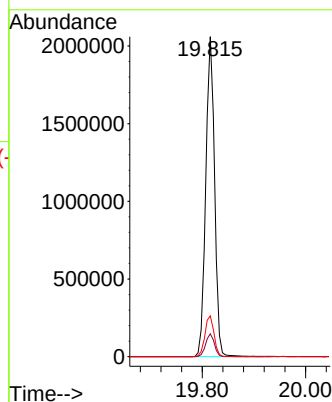
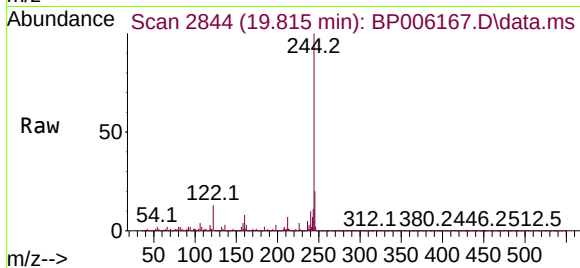




#79
Terphenyl-d14
Concen: 52.71 ng
RT: 19.815 min Scan# 2844
Delta R.T. -0.000 min
Lab File: BP006167.D
Acq: 09 Jul 2021 18:41

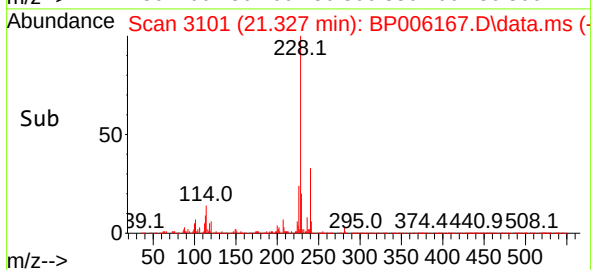
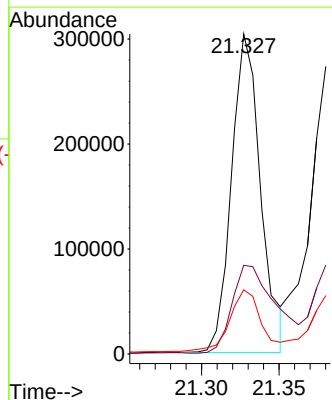
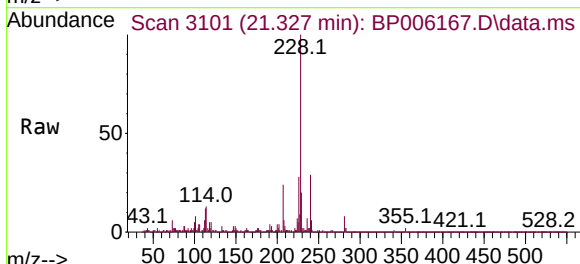
Instrument :
BNA_P
ClientSampleId :
SB05

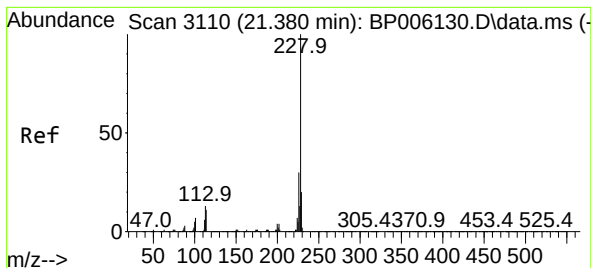
Tgt Ion:244 Resp: 2437745
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 12.7 7.1 10.7#



#81
Benzo(a)anthracene
Concen: 6.87 ng
RT: 21.327 min Scan# 3101
Delta R.T. -0.000 min
Lab File: BP006167.D
Acq: 09 Jul 2021 18:41

Tgt Ion:228 Resp: 396148
Ion Ratio Lower Upper
228 100
226 27.7 21.6 32.4
229 20.0 15.8 23.6





#83

Chrysene

Concen: 6.66 ng

RT: 21.380 min Scan# 3110

Delta R.T. -0.000 min

Lab File: BP006167.D

Acq: 09 Jul 2021 18:41

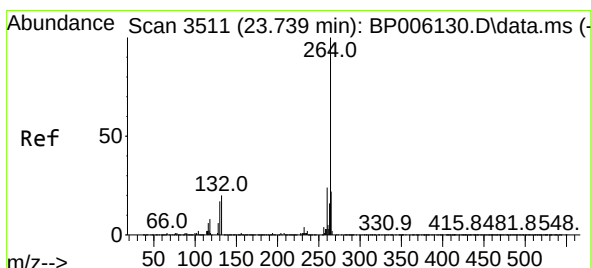
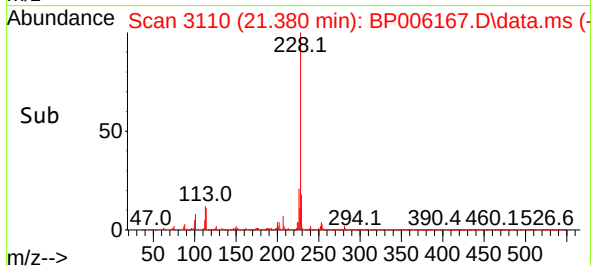
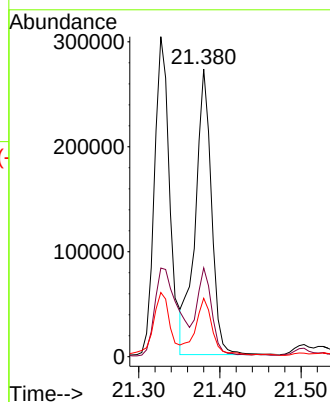
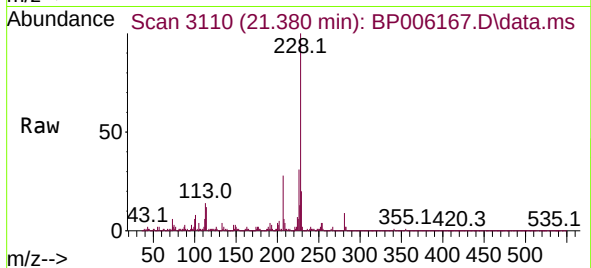
Tgt Ion:228 Resp: 379347

Ion Ratio Lower Upper

228 100

226 30.8 23.8 35.6

229 20.3 15.4 23.2



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.739 min Scan# 3511

Delta R.T. -0.000 min

Lab File: BP006167.D

Acq: 09 Jul 2021 18:41

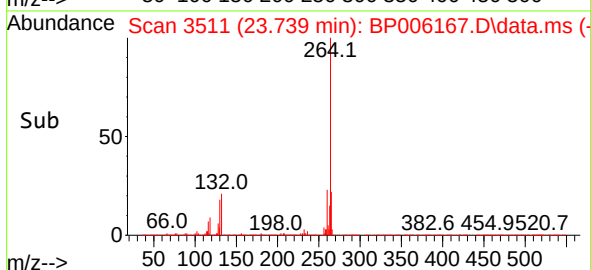
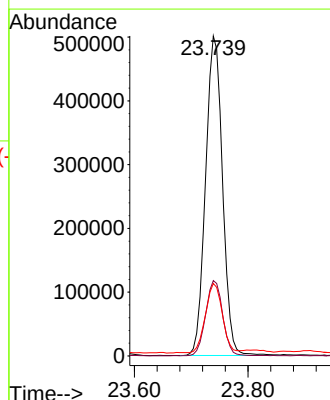
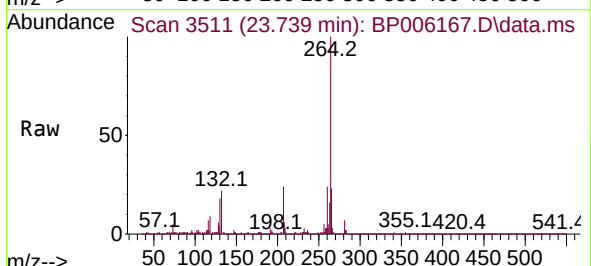
Tgt Ion:264 Resp: 1038389

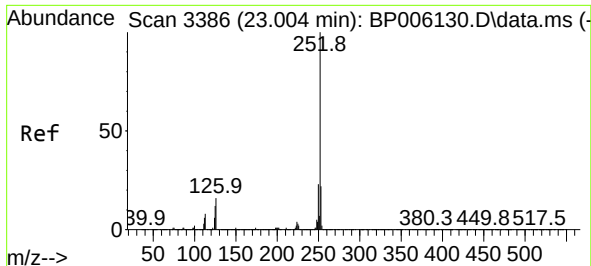
Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 22.6 17.6 26.4

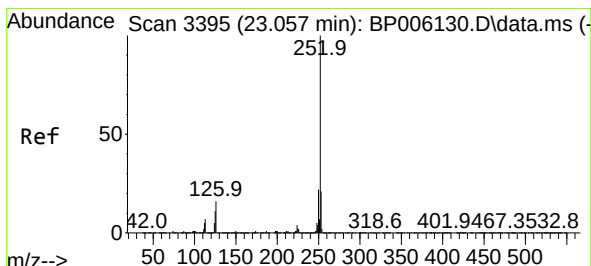
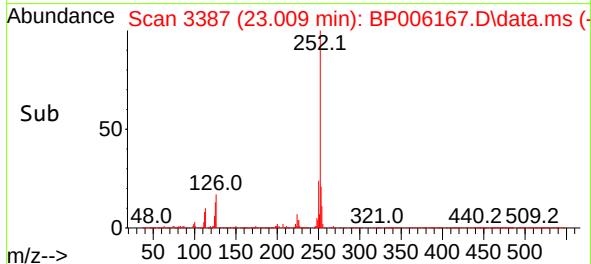
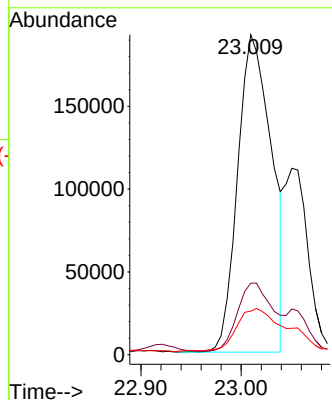
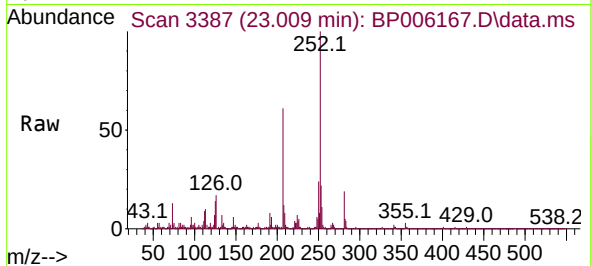




#88
Benzo(b)fluoranthene
Concen: 7.17 ng
RT: 23.009 min Scan# 3387
Delta R.T. 0.006 min
Lab File: BP006167.D
Acq: 09 Jul 2021 18:41

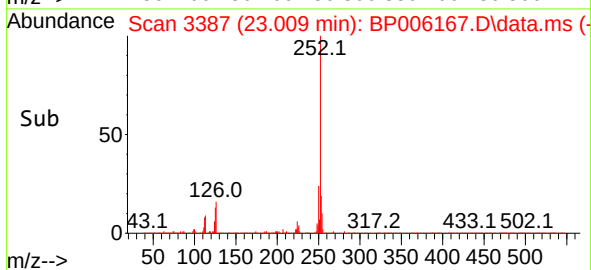
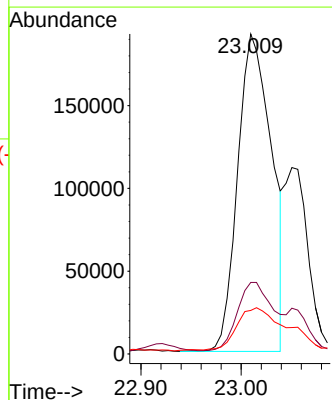
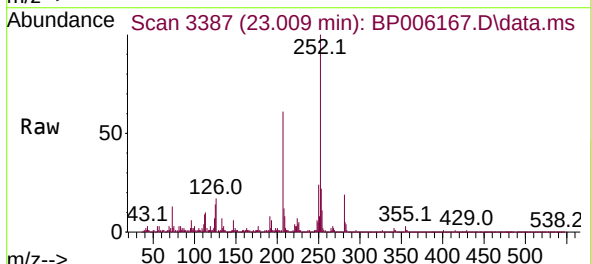
Instrument :
BNA_P
ClientSampleId :
SB05

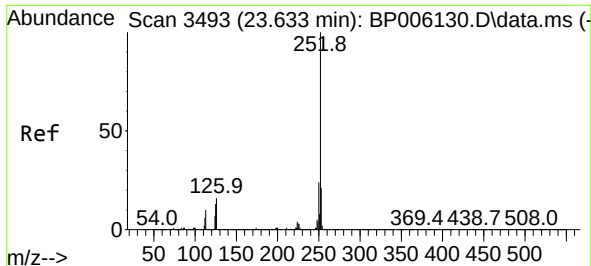
Tgt Ion:252 Resp: 451569
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 13.6 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 7.33 ng
RT: 23.009 min Scan# 3387
Delta R.T. -0.047 min
Lab File: BP006167.D
Acq: 09 Jul 2021 18:41

Tgt Ion:252 Resp: 451569
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 13.6 6.0 9.0#

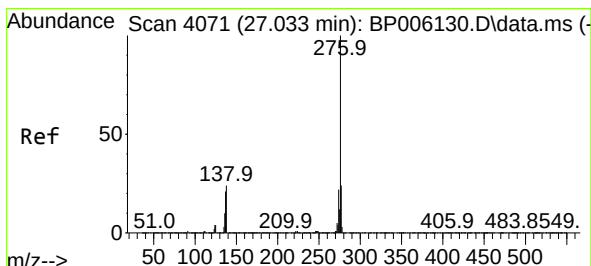
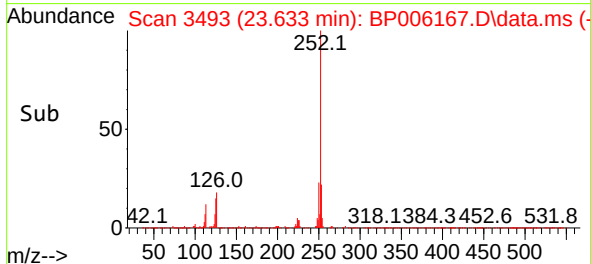
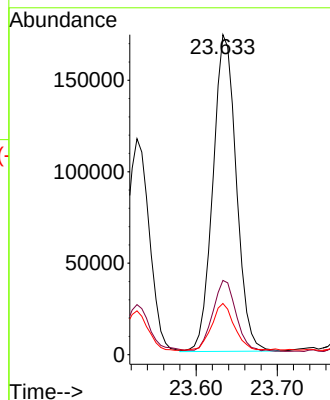
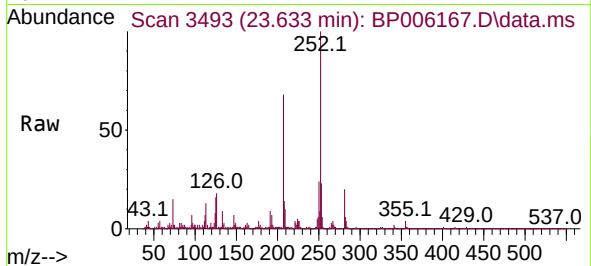




#90
Benzo(a)pyrene
Concen: 5.86 ng
RT: 23.633 min Scan# 3493
Delta R.T. -0.000 min
Lab File: BP006167.D
Acq: 09 Jul 2021 18:41

Instrument :
BNA_P
ClientSampleId :
SB05

Tgt Ion:252 Resp: 346201
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 16.0 6.5 9.7#



#92
Benzo(g,h,i)perylene
Concen: 3.62 ng
RT: 27.033 min Scan# 4071
Delta R.T. -0.000 min
Lab File: BP006167.D
Acq: 09 Jul 2021 18:41

Tgt Ion:276 Resp: 235077
Ion Ratio Lower Upper
276 100
277 24.9 18.9 28.3
138 27.5 12.6 18.8#

