

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP063021\
 Data File : BP006123.D
 Acq On : 30 Jun 2021 23:56
 Operator : CG/JU
 Sample : M2886-05DL 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RBR-24DL

Quant Time: Jul 01 03:09:35 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 30 16:39:37 2021
 Response via : Initial Calibration

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

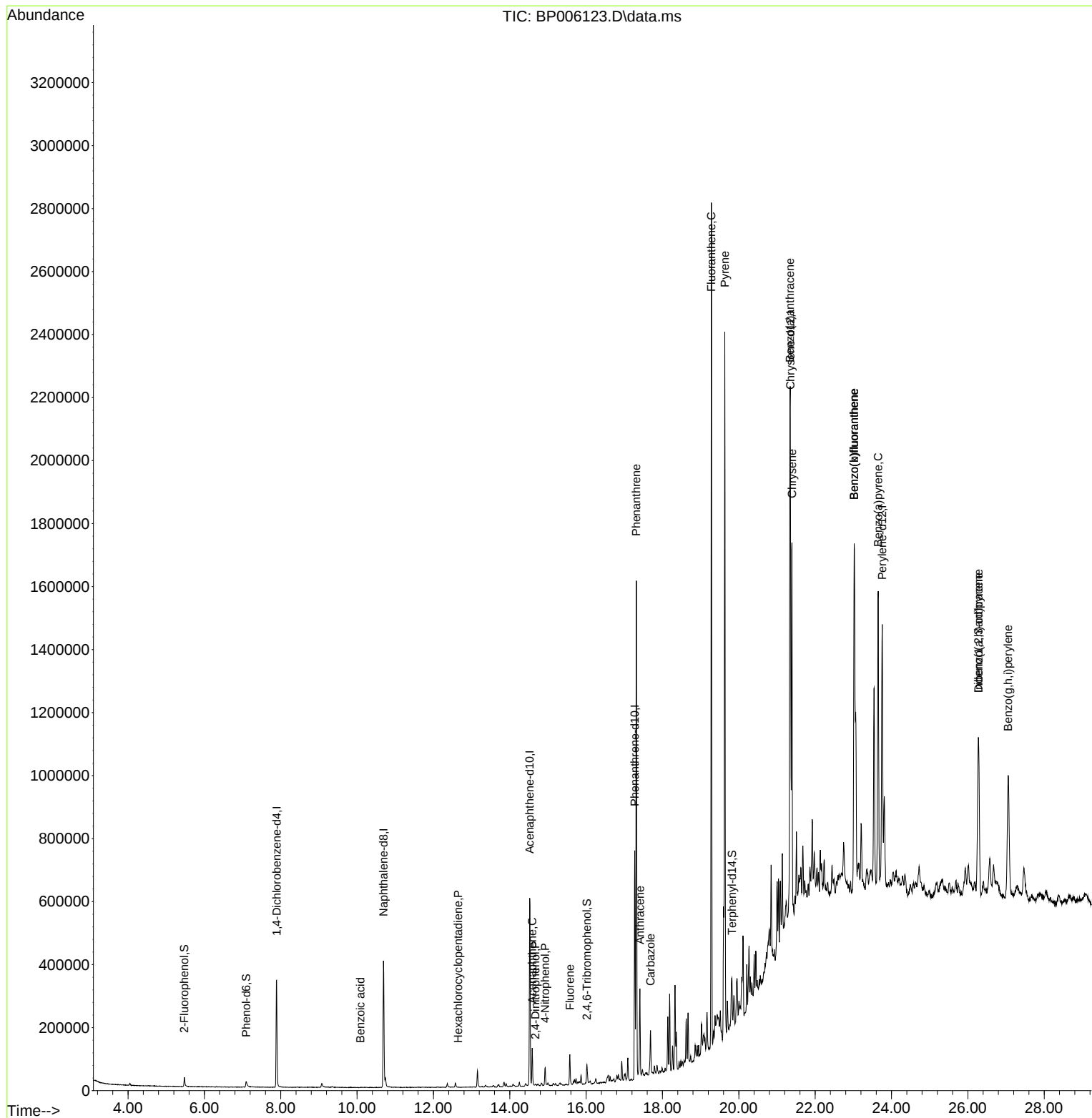
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	101135	20.00	ng	0.00
21) Naphthalene-d8	10.693	136	361502	20.00	ng	0.00
39) Acenaphthene-d10	14.522	164	209507	20.00	ng	0.00
64) Phenanthrene-d10	17.275	188	429240	20.00	ng	0.00
76) Chrysene-d12	21.351	240	518754	20.00	ng	# 0.00
86) Perylene-d12	23.757	264	613976	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	16178	2.57	ng	0.00
7) Phenol-d6	7.093	99	17248	2.11	ng	0.02
23) Nitrobenzene-d5	9.075	82	10579	1.43	ng	0.02
42) 2,4,6-Tribromophenol	16.022	330	9096	2.53	ng	0.00
45) 2-Fluorobiphenyl	13.151	172	30402	1.91	ng	0.00
79) Terphenyl-d14	19.822	244	55779	2.01	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.087	122	11	6.32	ng	# 1
41) Hexachlorocyclopentadiene	12.646	237	26	5.51	ng	79
52) Acenaphthene	14.587	154	43279	3.37	ng	99
54) 2,4-Dinitrophenol	14.675	184	23	4.86	ng	# 1
56) 4-Nitrophenol	14.928	139	15043	4.89	ng	# 5
58) Fluorene	15.575	166	44027	2.67	ng	98
71) Phenanthrene	17.316	178	929278	36.05	ng	99
72) Anthracene	17.410	178	190344	7.50	ng	98
73) Carbazole	17.686	167	89196	3.66	ng	98
75) Fluoranthene	19.280	202	1516047	48.43	ng	98
78) Pyrene	19.633	202	1361179	37.59	ng	100
81) Benzo(a)anthracene	21.339	228	739689	19.75	ng	98
83) Chrysene	21.392	228	668830	18.44	ng	97
87) Indeno(1,2,3-cd)pyrene	26.274	276	563677	10.74	ng	97
88) Benzo(b)fluoranthene	23.021	252	997009	23.71	ng	98
89) Benzo(k)fluoranthene	23.021	252	997009	24.45	ng	# 98
90) Benzo(a)pyrene	23.651	252	753512	19.06	ng	# 98
91) Dibenzo(a,h)anthracene	26.274	278	139964	3.10	ng	# 83
92) Benzo(g,h,i)perylene	27.057	276	544962	12.21	ng	96

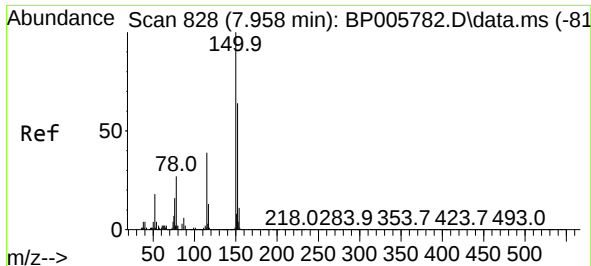
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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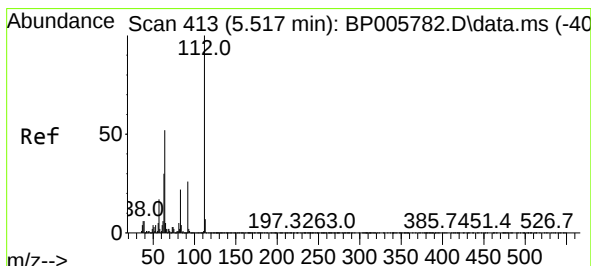
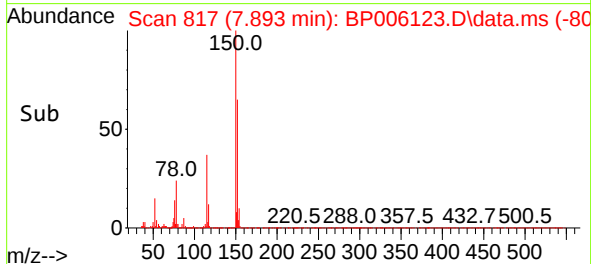
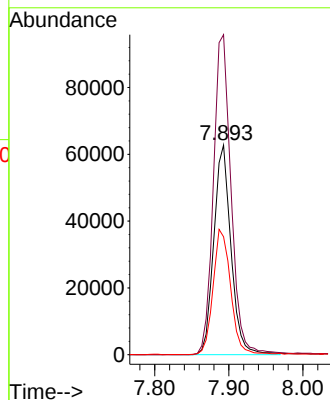
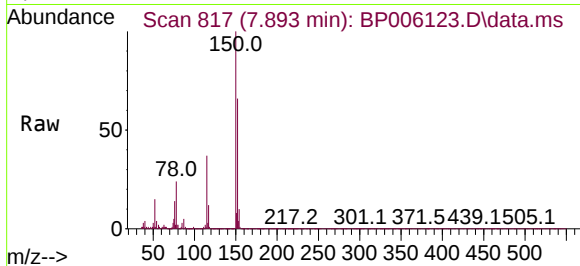




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.893 min Scan# 817
Delta R.T. -0.000 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

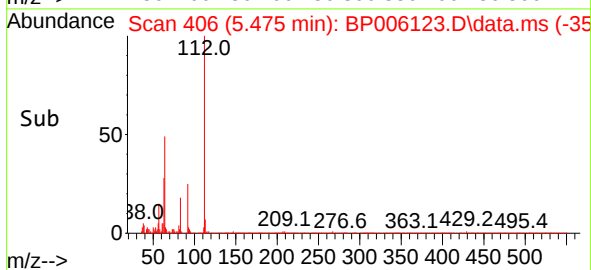
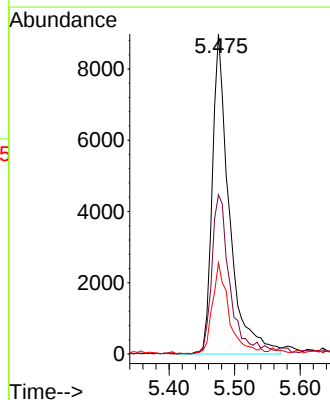
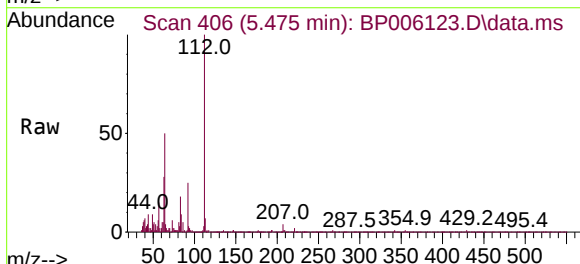
Instrument :
BNA_P
ClientSampleId :
RBR-24DL

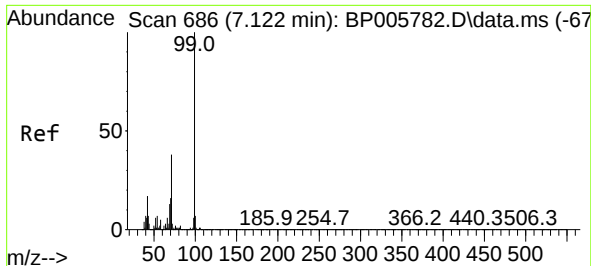
Tgt Ion:152 Resp: 101135
Ion Ratio Lower Upper
152 100
150 152.7 125.6 188.4
115 56.2 48.5 72.7



#5
2-Fluorophenol
Concen: 2.57 ng
RT: 5.475 min Scan# 406
Delta R.T. 0.006 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

Tgt Ion:112 Resp: 16178
Ion Ratio Lower Upper
112 100
64 49.7 41.4 62.2
63 28.5 23.8 35.8

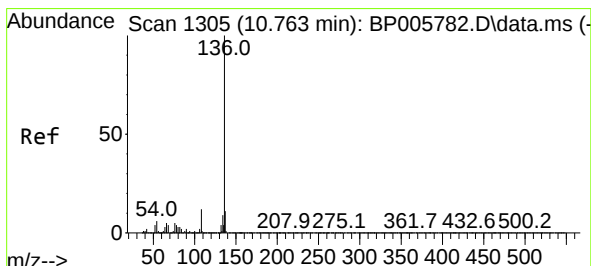
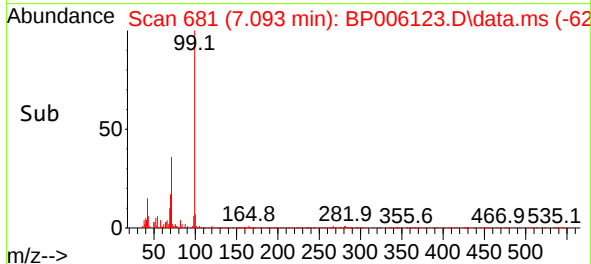
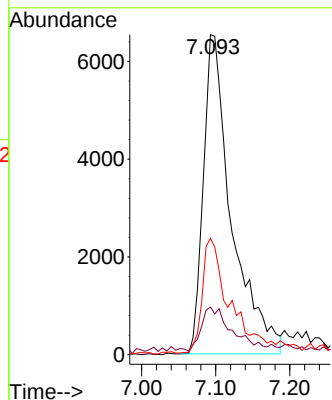
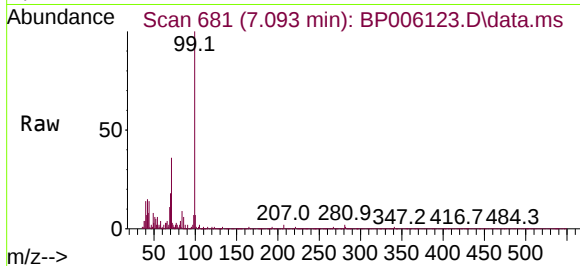




#7
Phenol-d6
Concen: 2.11 ng
RT: 7.093 min Scan# 681
Delta R.T. 0.018 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

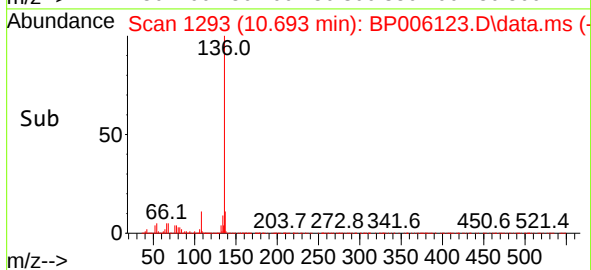
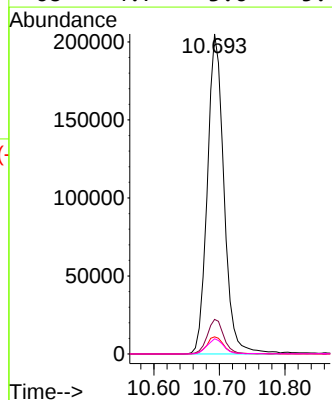
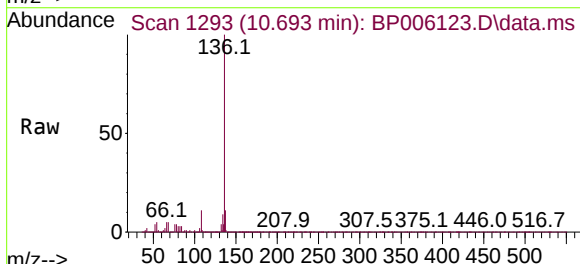
Instrument :
BNA_P
ClientSampled :
RBR-24DL

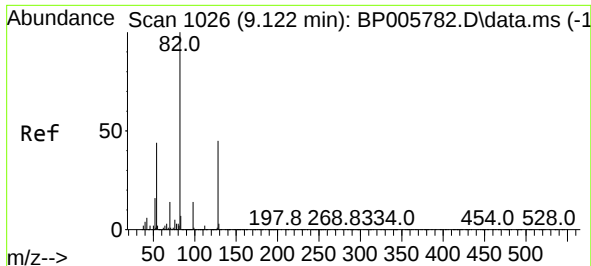
Tgt Ion:	99	Resp:	17248
Ion	Ratio	Lower	Upper
99	100		
42	14.9	13.4	20.0
71	36.3	30.6	46.0



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.693 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

Tgt Ion:	136	Resp:	361502
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	5.4	4.6	6.8
68	4.7	3.6	5.4

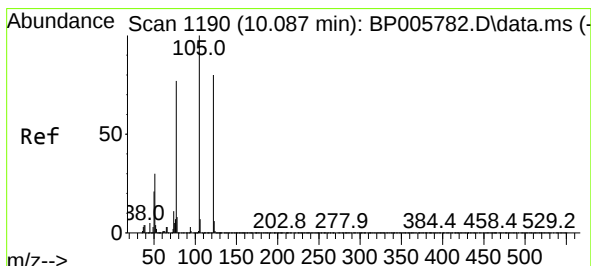
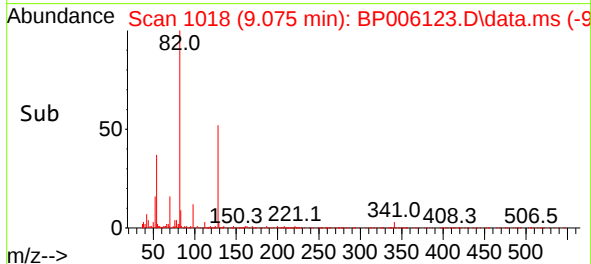
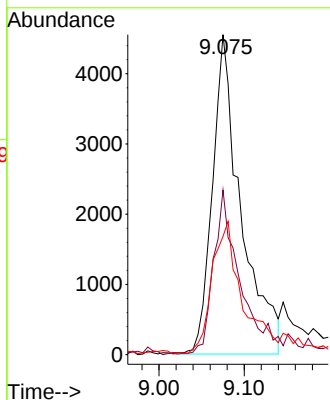
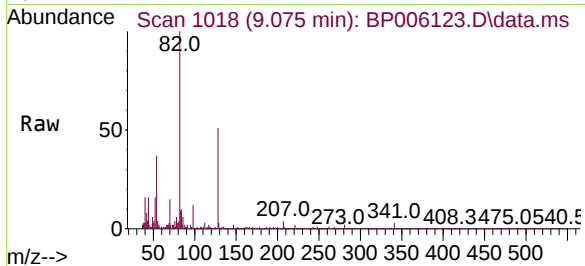




#23
Nitrobenzene-d5
Concen: 1.43 ng
RT: 9.075 min Scan# 1018
Delta R.T. 0.018 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

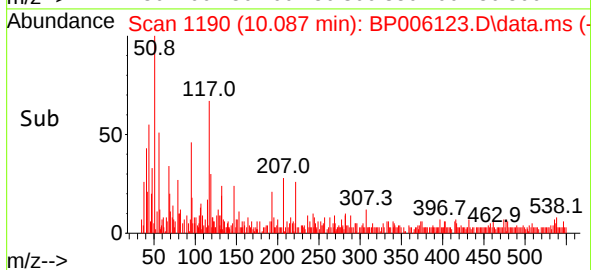
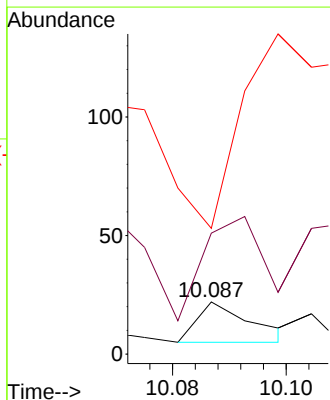
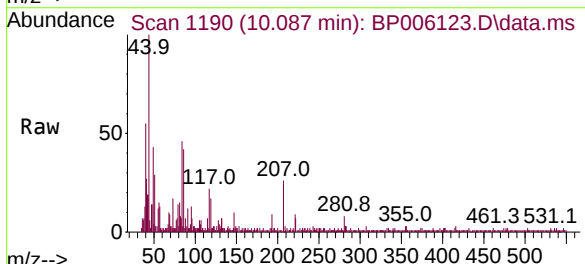
Instrument :
BNA_P
ClientSampled :
RBR-24DL

Tgt Ion: 82	Resp: 10579
Ion Ratio	Lower Upper
82 100	
128 51.4	35.7 53.5
54 36.9	35.0 52.4



#32
Benzoic acid
Concen: 6.32 ng
RT: 10.087 min Scan# 1190
Delta R.T. 0.012 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

Tgt Ion: 122	Resp: 11
Ion Ratio	Lower Upper
122 100	
105 231.8	103.2 143.2#
77 240.9	76.2 116.2#

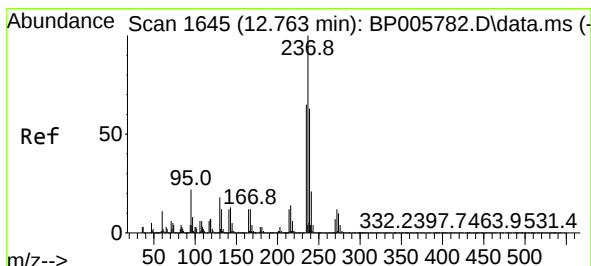
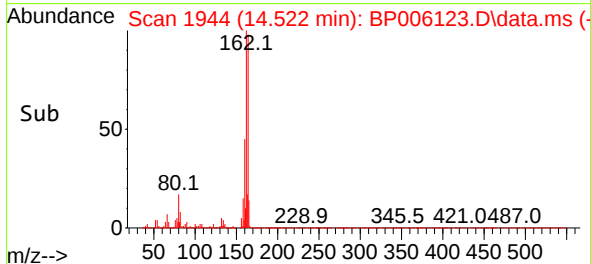
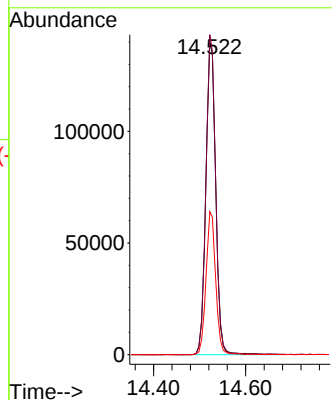
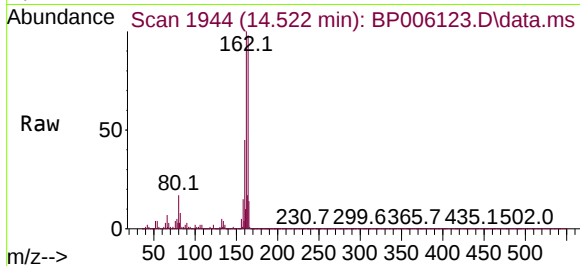




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.522 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

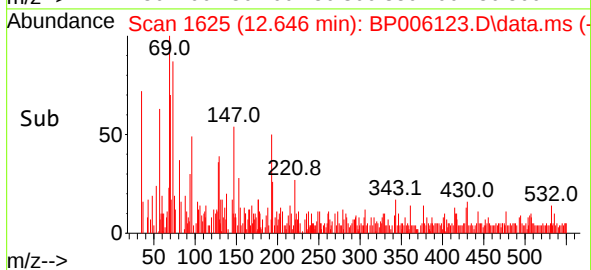
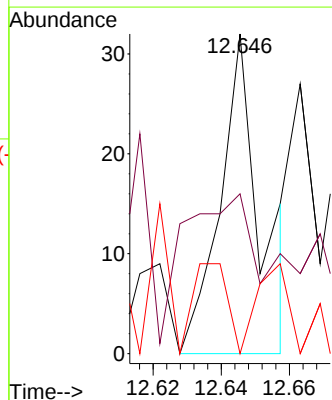
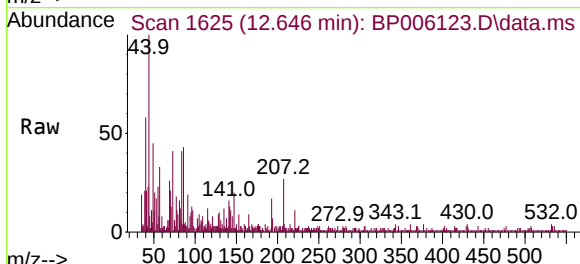
Instrument :
BNA_P
ClientSampleId :
RBR-24DL

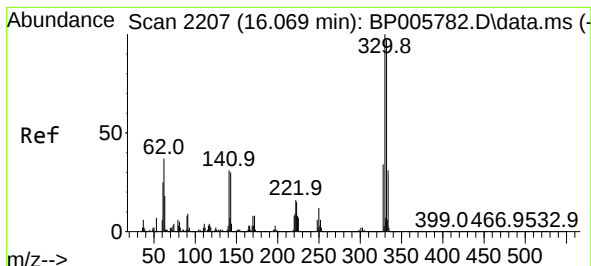
Tgt Ion:164 Resp: 209507
Ion Ratio Lower Upper
164 100
162 102.5 80.2 120.2
160 45.8 34.5 51.7



#41
Hexachlorocyclopentadiene
Concen: 5.51 ng
RT: 12.646 min Scan# 1625
Delta R.T. -0.053 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

Tgt Ion:237 Resp: 26
Ion Ratio Lower Upper
237 100
235 50.0 44.5 84.5
272 0.0 0.0 32.5

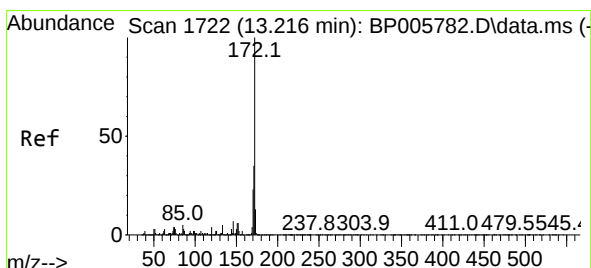
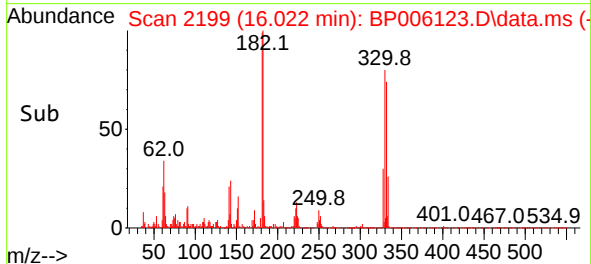
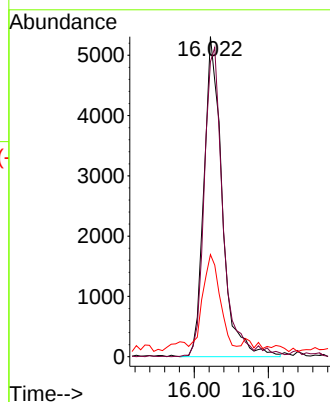
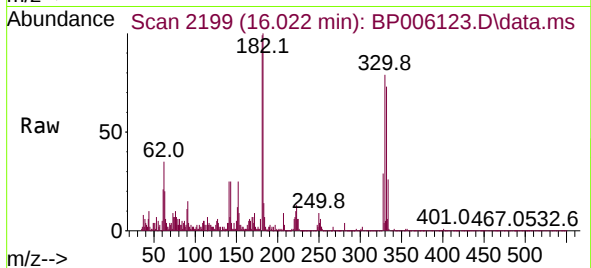




#42
2,4,6-Tribromophenol
Concen: 2.53 ng
RT: 16.022 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

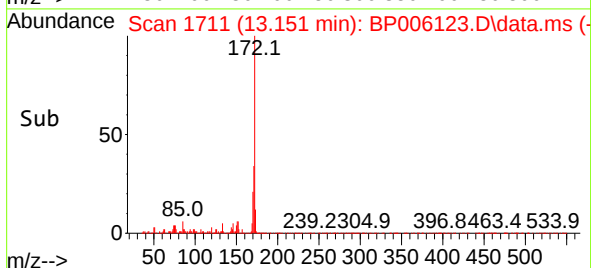
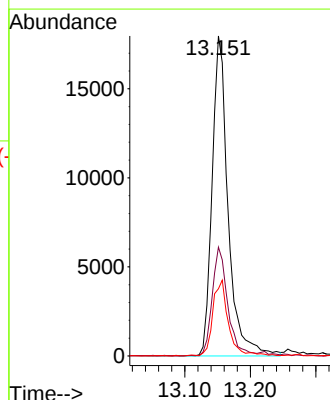
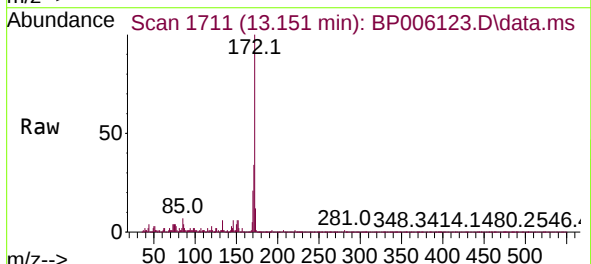
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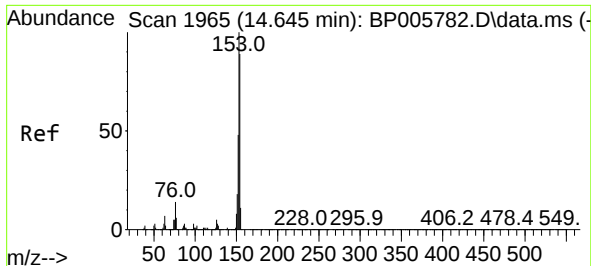
Tgt Ion:330 Resp: 9096
Ion Ratio Lower Upper
330 100
332 97.0 77.8 116.8
141 27.4 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 1.91 ng
RT: 13.151 min Scan# 1711
Delta R.T. 0.000 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

Tgt Ion:172 Resp: 30402
Ion Ratio Lower Upper
172 100
171 34.0 27.9 41.9
170 21.0 18.6 27.8

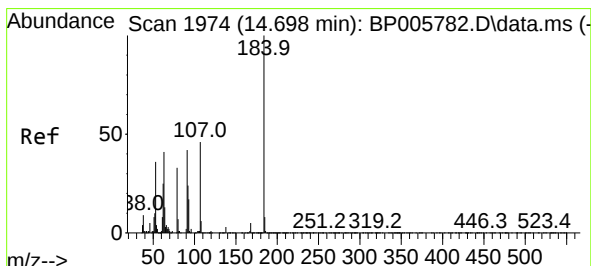
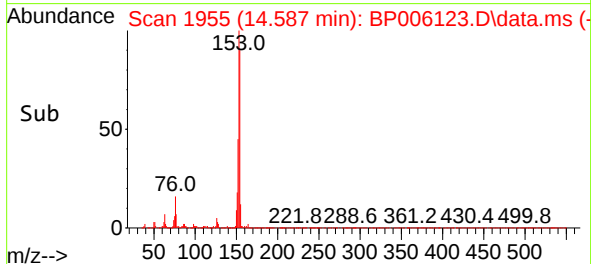
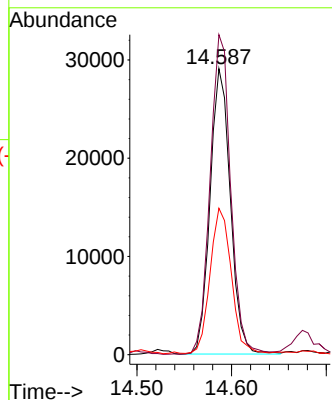
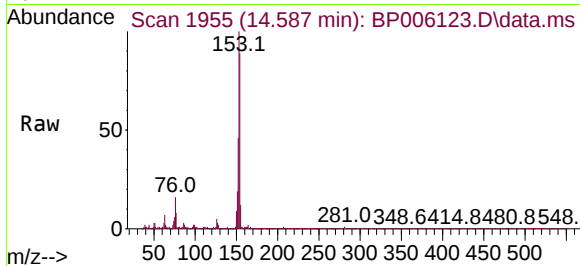




#52
Acenaphthene
Concen: 3.37 ng
RT: 14.587 min Scan# 1955
Delta R.T. -0.006 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

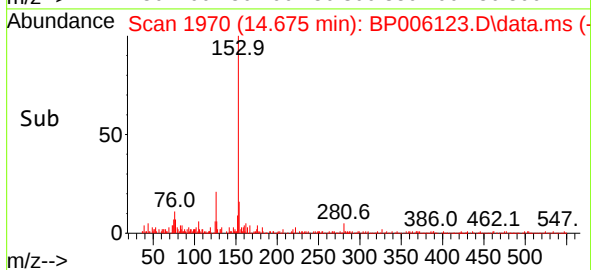
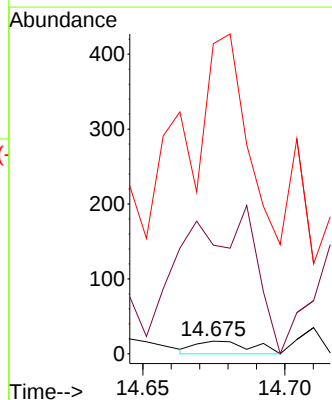
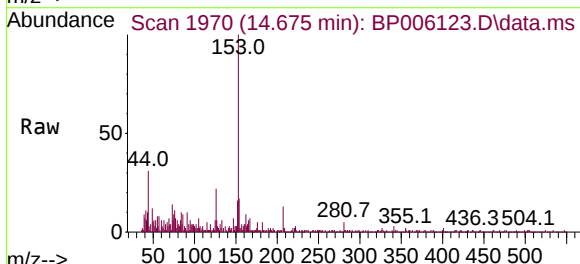
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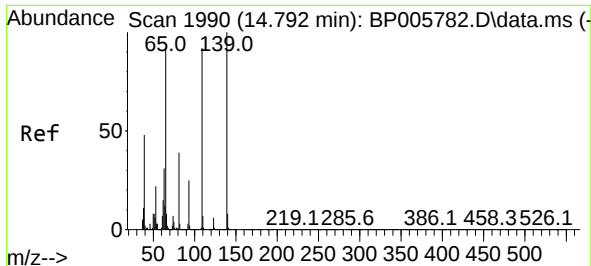
Tgt Ion:154 Resp: 43279
Ion Ratio Lower Upper
154 100
153 111.9 89.4 134.2
152 51.2 43.0 64.4



#54
2,4-Dinitrophenol
Concen: 4.86 ng
RT: 14.675 min Scan# 1970
Delta R.T. 0.006 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

Tgt Ion:184 Resp: 23
Ion Ratio Lower Upper
184 100
63 852.9 47.0 70.6#
154 2435.3 52.3 78.5#

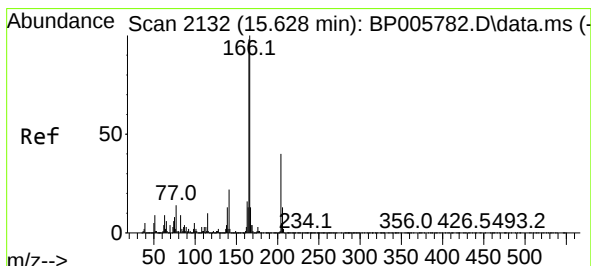
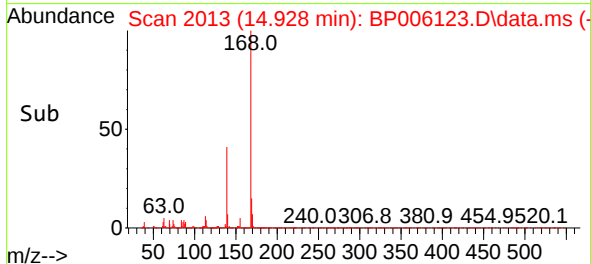
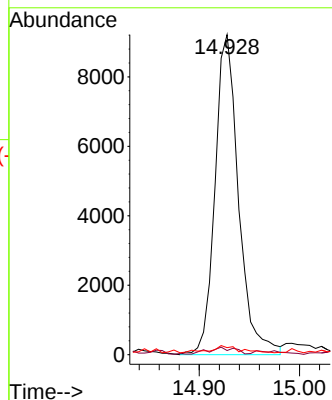
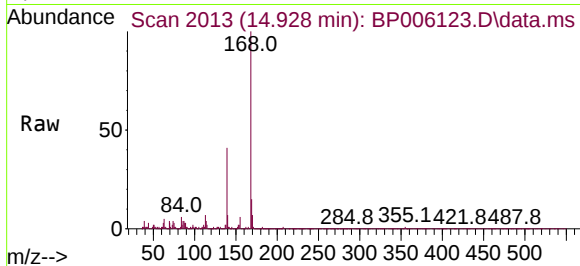




#56
4-Nitrophenol
Concen: 4.89 ng
RT: 14.928 min Scan# 2013
Delta R.T. 0.147 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

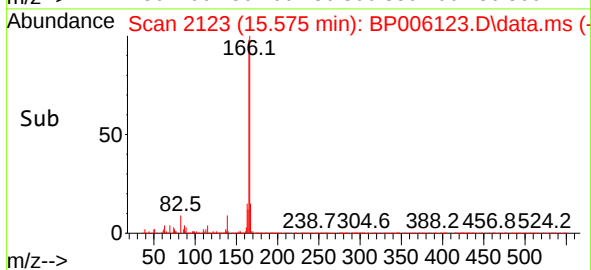
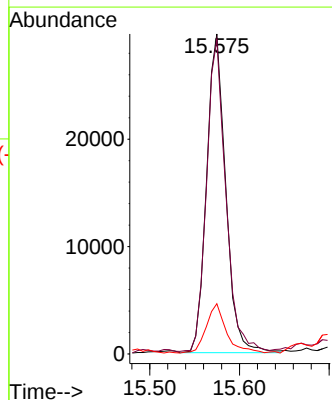
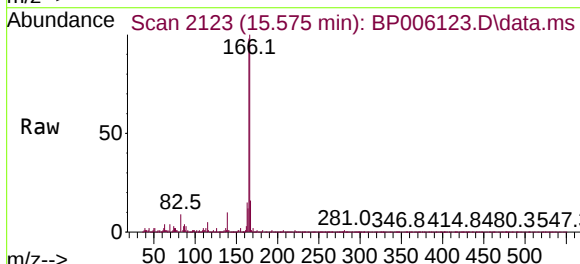
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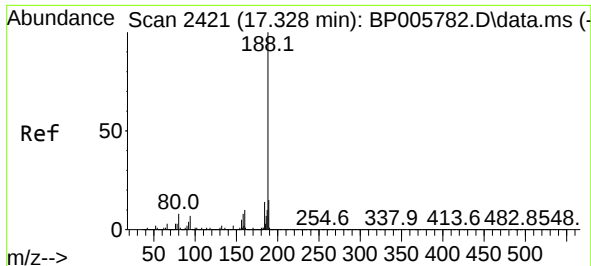
Tgt Ion:139 Resp: 15043
Ion Ratio Lower Upper
139 100
109 1.3 72.3 112.3#
65 2.2 72.5 112.5#



#58
Fluorene
Concen: 2.67 ng
RT: 15.575 min Scan# 2123
Delta R.T. 0.000 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

Tgt Ion:166 Resp: 44027
Ion Ratio Lower Upper
166 100
165 98.3 78.0 117.0
167 15.7 10.5 15.7

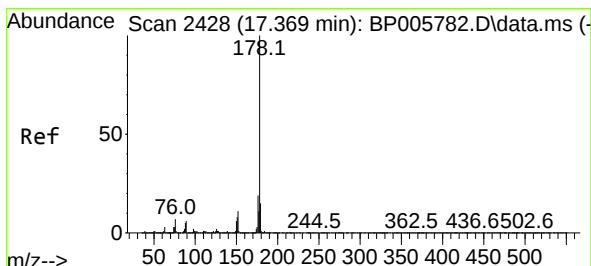
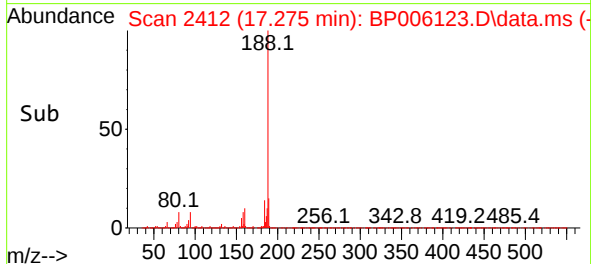
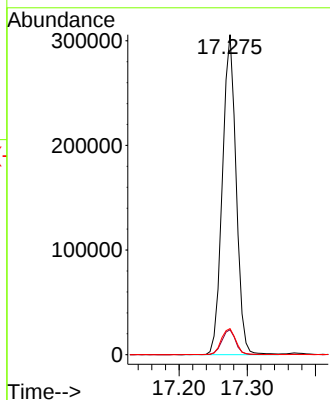
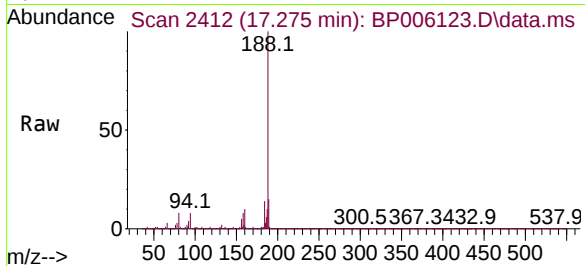




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.275 min Scan# 2412
Delta R.T. 0.000 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

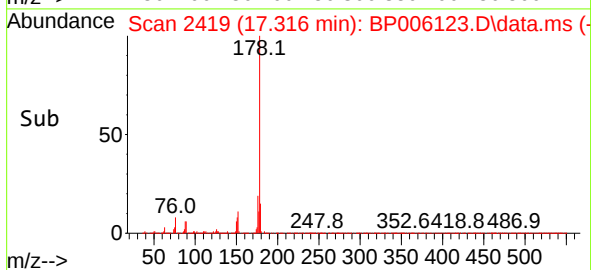
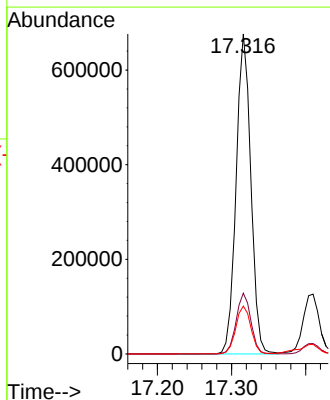
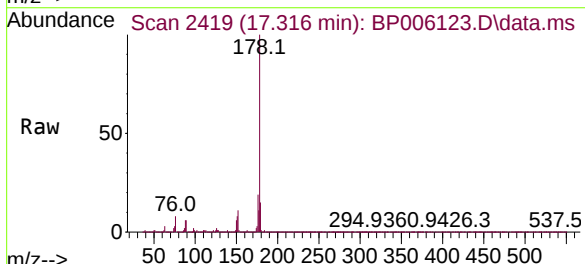
Instrument :
BNA_P
ClientSampleId :
RBR-24DL

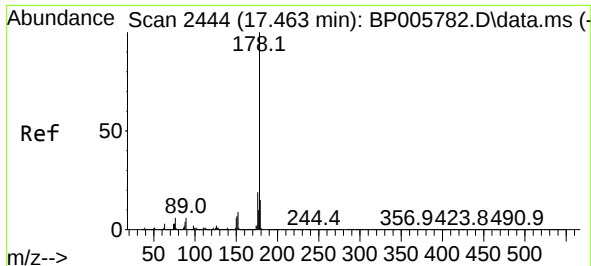
Tgt Ion:188 Resp: 429240
Ion Ratio Lower Upper
188 100
94 7.8 5.6 8.4
80 8.1 6.3 9.5



#71
Phenanthrene
Concen: 36.05 ng
RT: 17.316 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

Tgt Ion:178 Resp: 929278
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 14.9 12.4 18.6

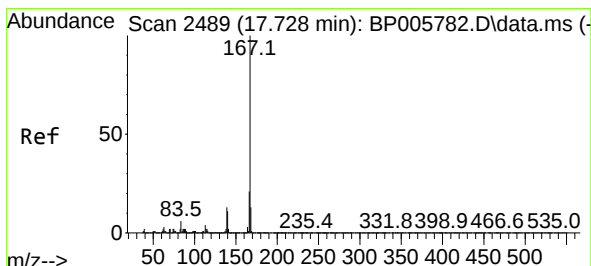
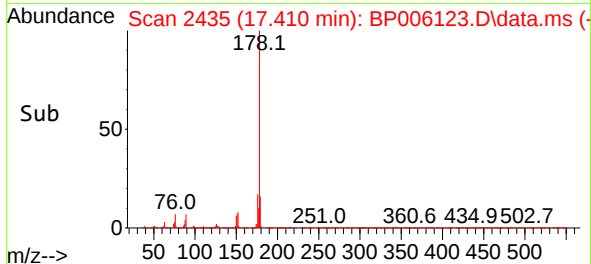
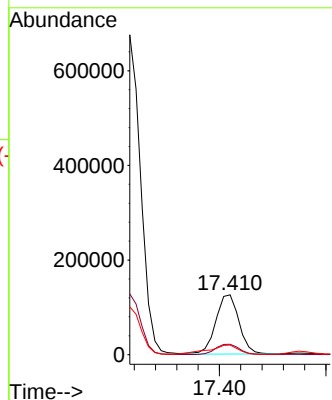
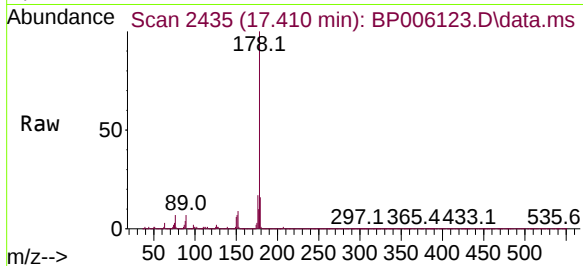




#72
 Anthracene
 Concen: 7.50 ng
 RT: 17.410 min Scan# 2435
 Delta R.T. 0.000 min
 Lab File: BP006123.D
 Acq: 30 Jun 2021 23:56

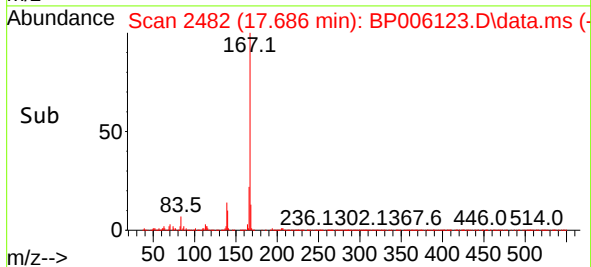
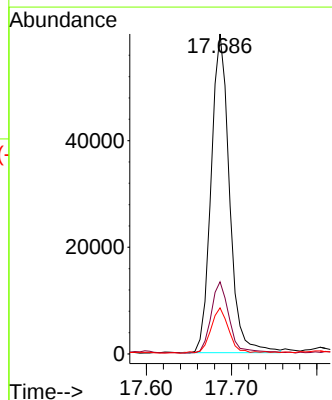
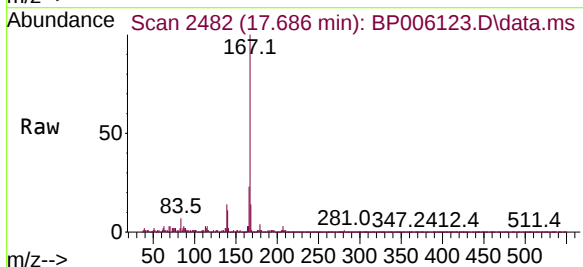
Instrument :
 BNA_P
 ClientSampleId :
 RBR-24DL

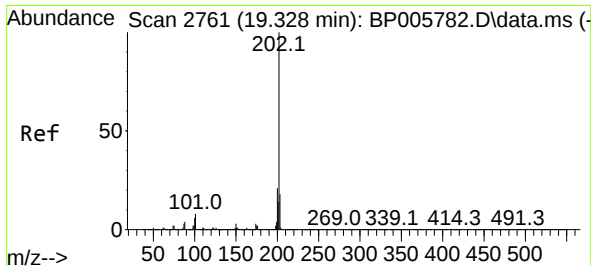
Tgt Ion:178 Resp: 190344
 Ion Ratio Lower Upper
 178 100
 176 17.3 14.9 22.3
 179 16.0 12.2 18.2



#73
 Carbazole
 Concen: 3.66 ng
 RT: 17.686 min Scan# 2482
 Delta R.T. 0.000 min
 Lab File: BP006123.D
 Acq: 30 Jun 2021 23:56

Tgt Ion:167 Resp: 89196
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.1 25.7
 139 14.4 10.7 16.1

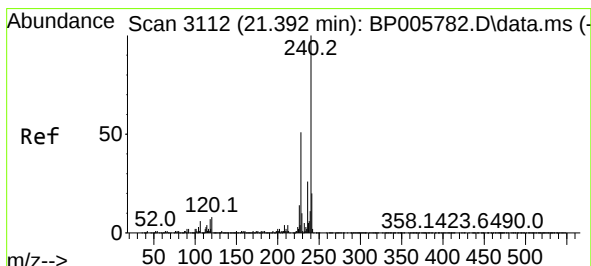
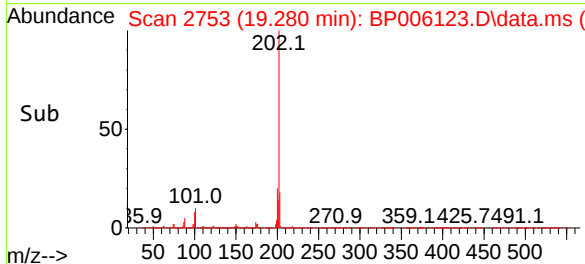
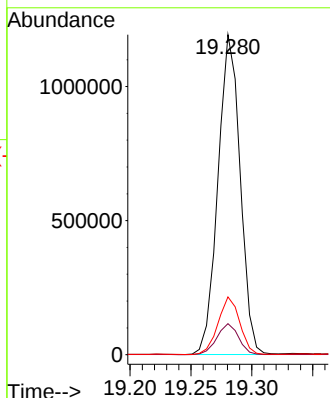
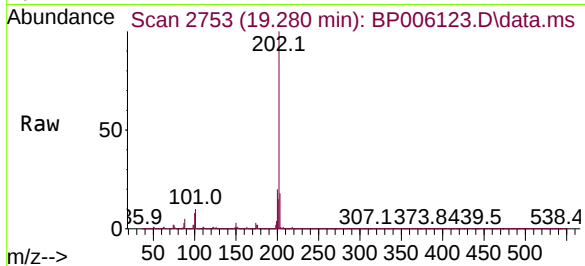




#75
Fluoranthene
Concen: 48.43 ng
RT: 19.280 min Scan# 2753
Delta R.T. -0.006 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

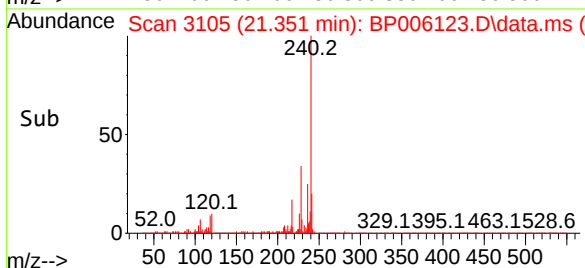
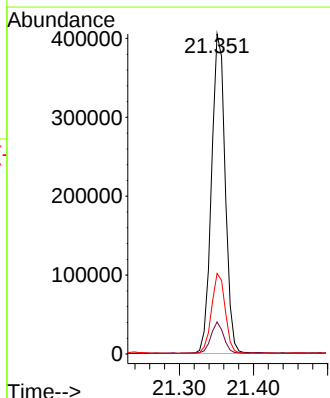
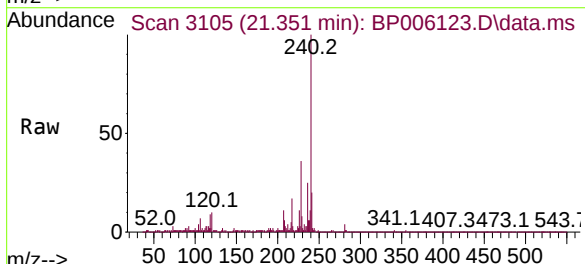
Instrument :
BNA_P
ClientSampleId :
RBR-24DL

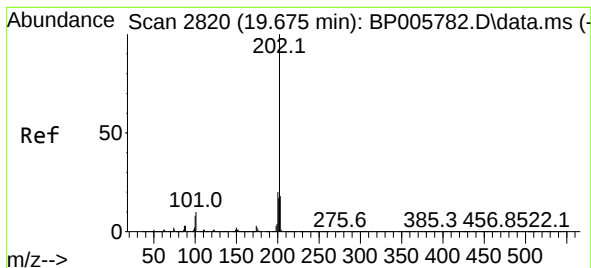
Tgt Ion:202 Resp: 1516047
Ion Ratio Lower Upper
202 100
101 9.7 0.0 27.6
203 18.0 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.351 min Scan# 3105
Delta R.T. -0.006 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

Tgt Ion:240 Resp: 518754
Ion Ratio Lower Upper
240 100
120 10.0 6.5 9.7#
236 25.2 20.6 31.0





#78

Pyrene

Concen: 37.59 ng

RT: 19.633 min Scan# 2813

Delta R.T. 0.000 min

Lab File: BP006123.D

Acq: 30 Jun 2021 23:56

Tgt Ion:202 Resp: 1361179

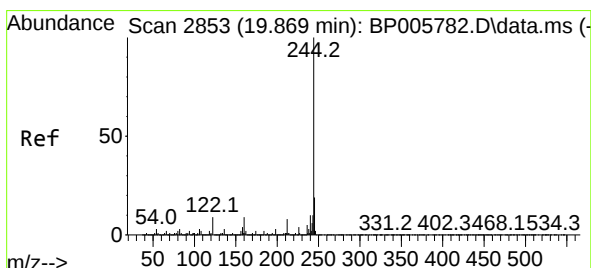
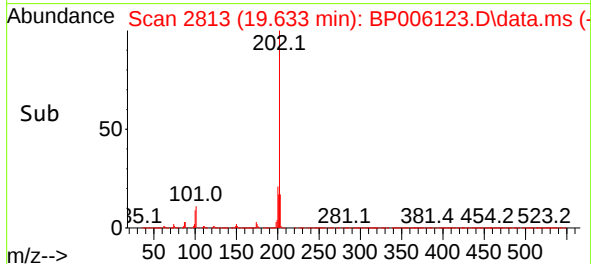
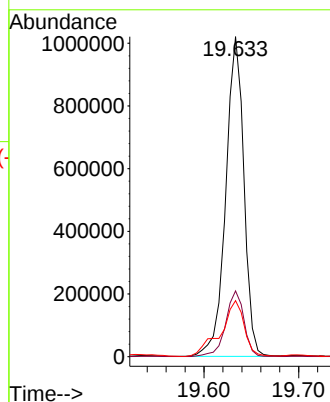
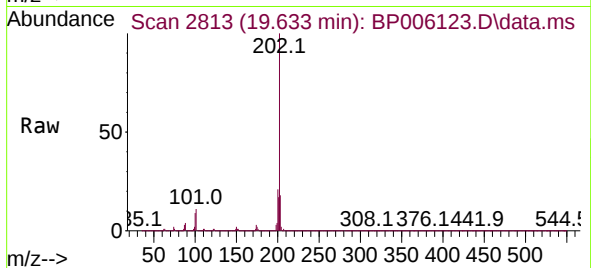
Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.3	24.5
203	17.5	14.2	21.2

Instrument :

BNA_P

ClientSampleId :

RBR-24DL



#79

Terphenyl-d14

Concen: 2.01 ng

RT: 19.822 min Scan# 2845

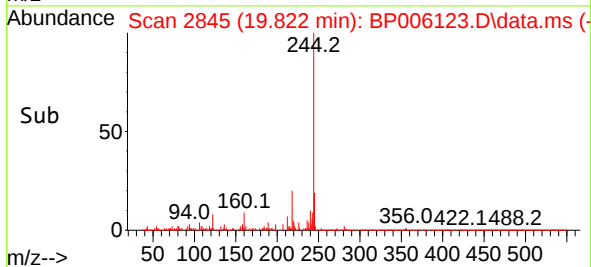
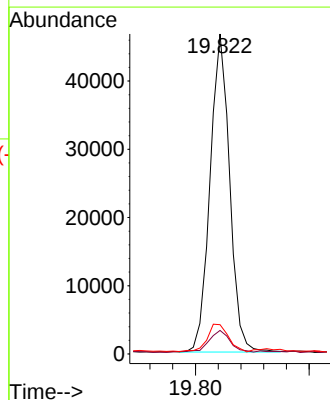
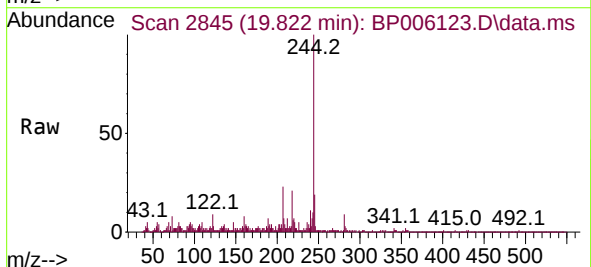
Delta R.T. -0.006 min

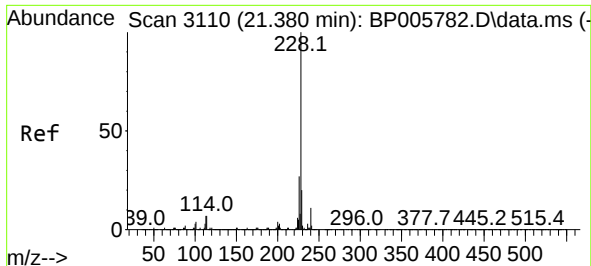
Lab File: BP006123.D

Acq: 30 Jun 2021 23:56

Tgt Ion:244 Resp: 55779

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	9.2	7.1	10.7

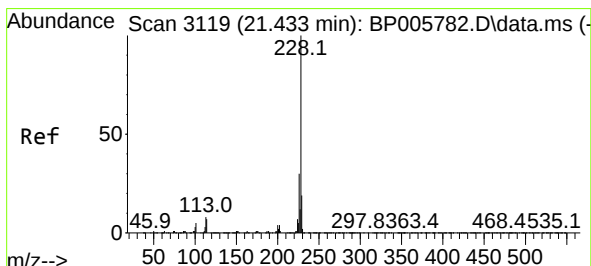
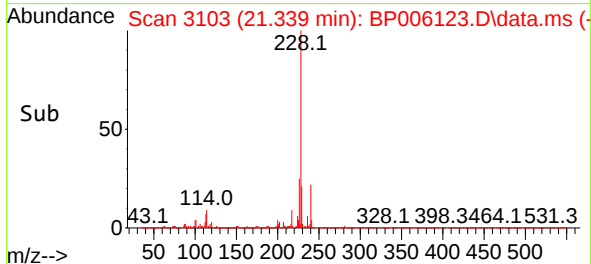
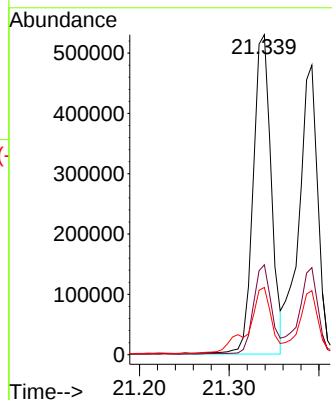
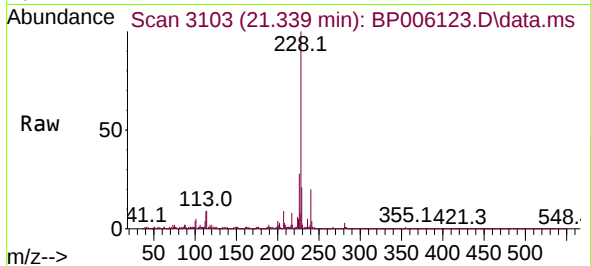




#81
Benzo(a)anthracene
Concen: 19.75 ng
RT: 21.339 min Scan# 3103
Delta R.T. 0.000 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

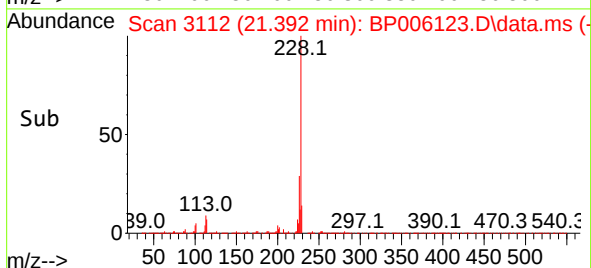
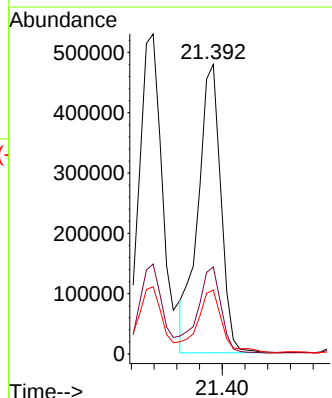
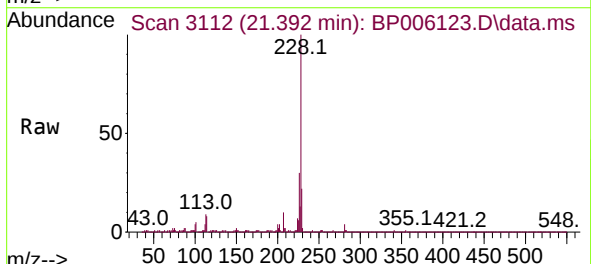
Instrument :
BNA_P
ClientSampleId :
RBR-24DL

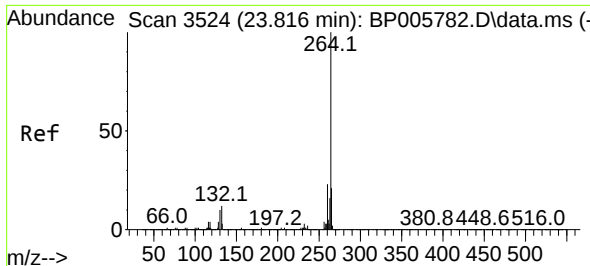
Tgt Ion:228 Resp: 739689
Ion Ratio Lower Upper
228 100
226 28.1 21.6 32.4
229 21.0 15.8 23.6



#83
Chrysene
Concen: 18.44 ng
RT: 21.392 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

Tgt Ion:228 Resp: 668830
Ion Ratio Lower Upper
228 100
226 30.1 23.8 35.6
229 22.1 15.4 23.2

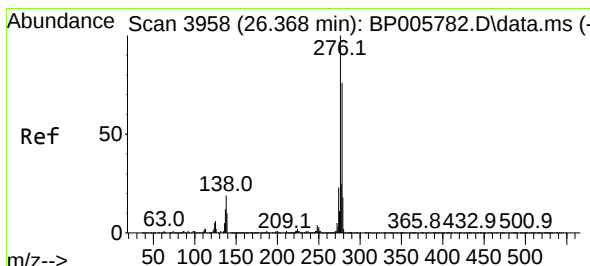
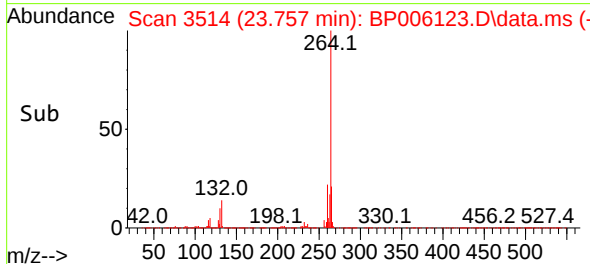
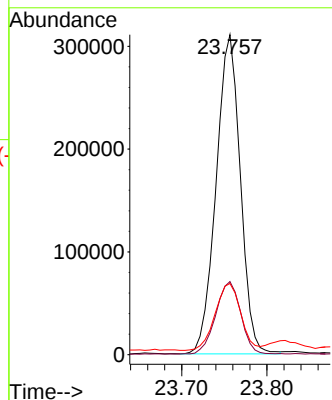
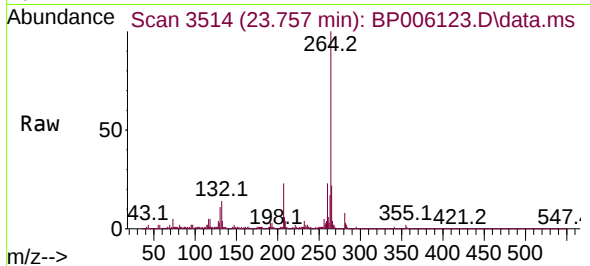




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.757 min Scan# 3514
Delta R.T. 0.000 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

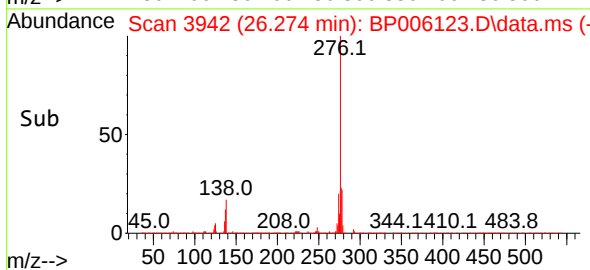
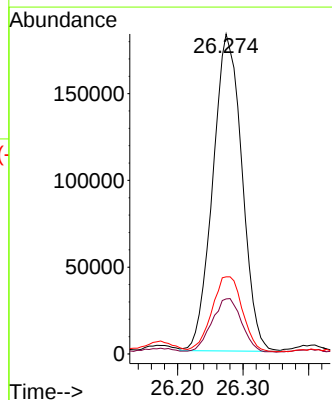
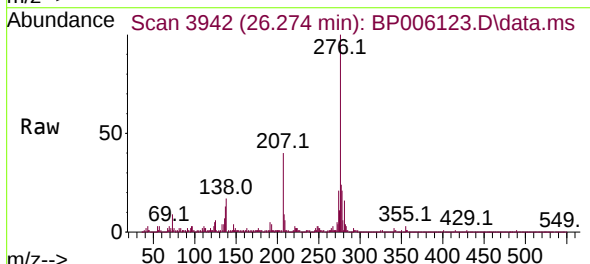
Instrument :
BNA_P
ClientSampleId :
RBR-24DL

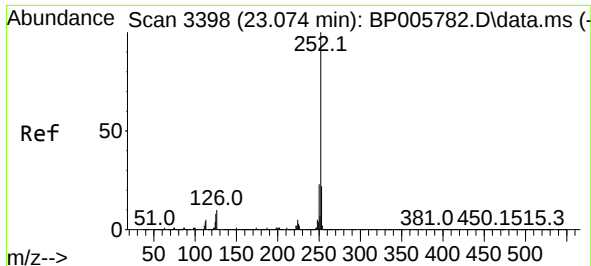
Tgt Ion:	264	Resp:	613976
Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.6	28.0
265	22.2	17.6	26.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 10.74 ng
RT: 26.274 min Scan# 3942
Delta R.T. -0.018 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

Tgt Ion:	276	Resp:	563677
Ion	Ratio	Lower	Upper
276	100		
138	17.3	15.3	22.9
277	24.7	20.4	30.6

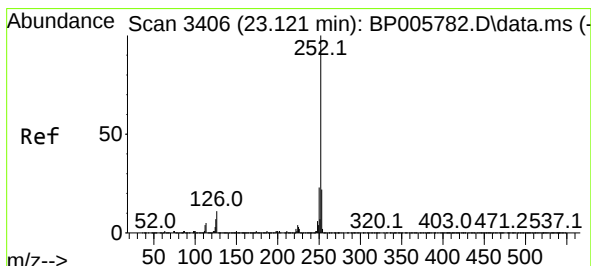
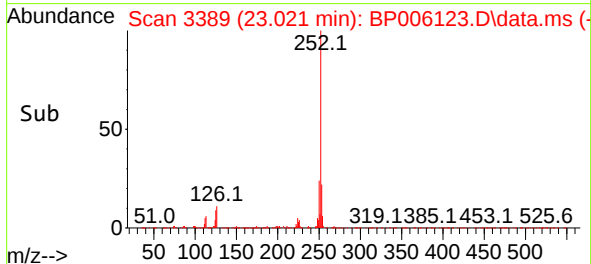
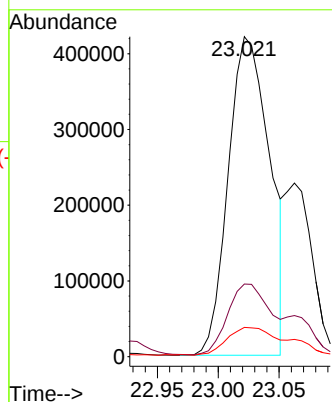
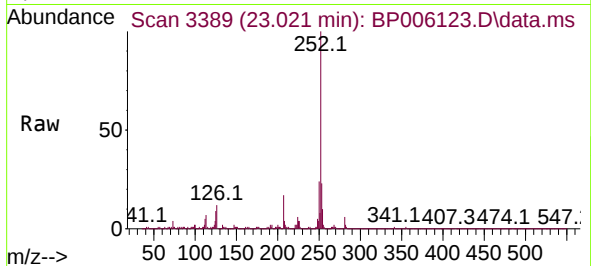




#88
Benzo(b)fluoranthene
Concen: 23.71 ng
RT: 23.021 min Scan# 3389
Delta R.T. -0.006 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

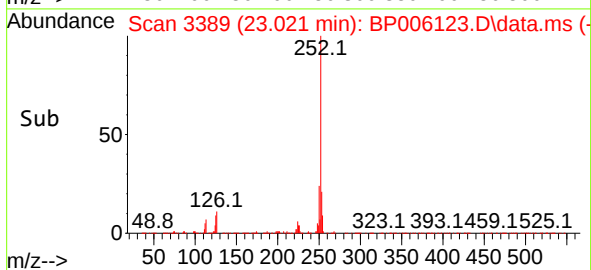
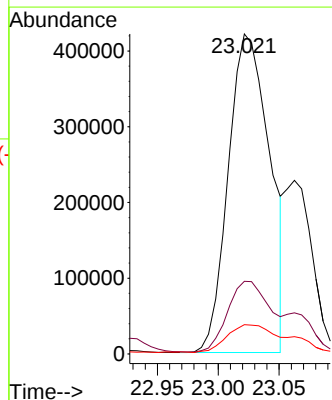
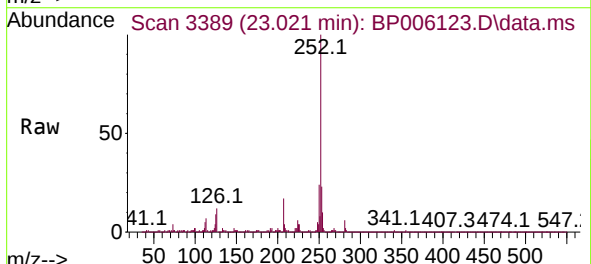
Instrument :
BNA_P
ClientSampleId :
RBR-24DL

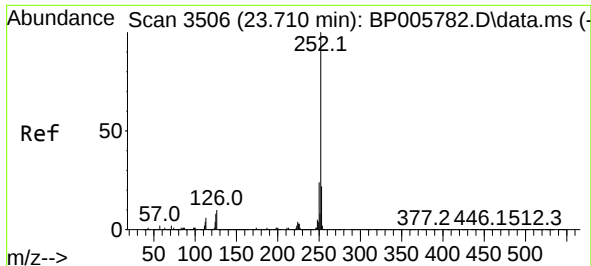
Tgt Ion:252 Resp: 997009
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 9.2 6.2 9.4



#89
Benzo(k)fluoranthene
Concen: 24.45 ng
RT: 23.021 min Scan# 3389
Delta R.T. -0.053 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

Tgt Ion:252 Resp: 997009
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 9.2 6.0 9.0#

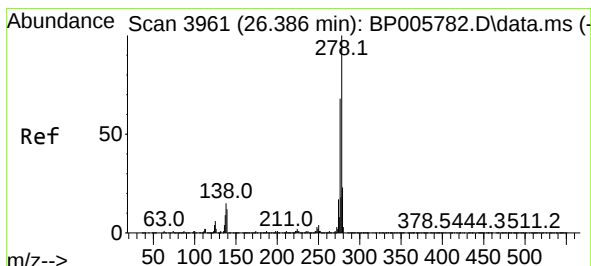
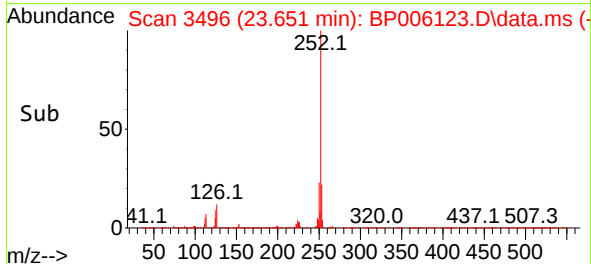
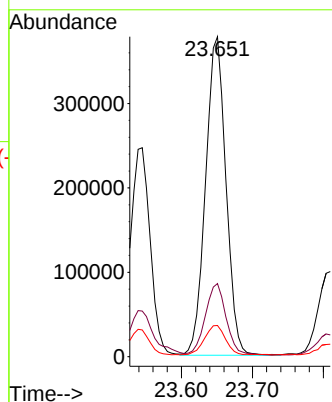
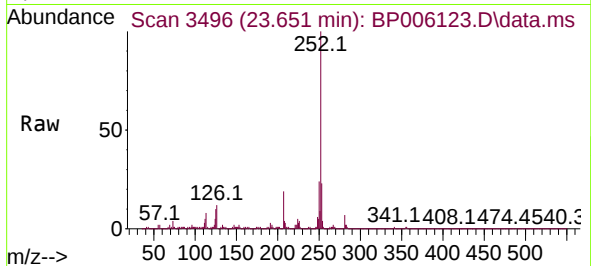




#90
Benzo(a)pyrene
Concen: 19.06 ng
RT: 23.651 min Scan# 3496
Delta R.T. -0.006 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

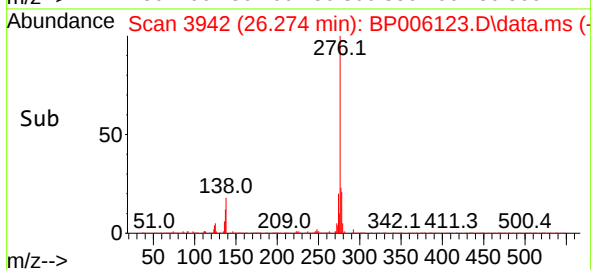
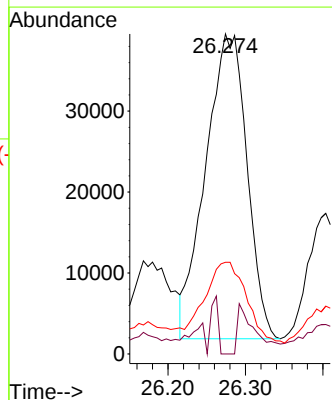
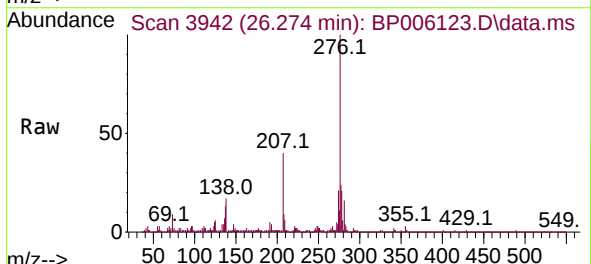
Instrument :
BNA_P
ClientSampleId :
RBR-24DL

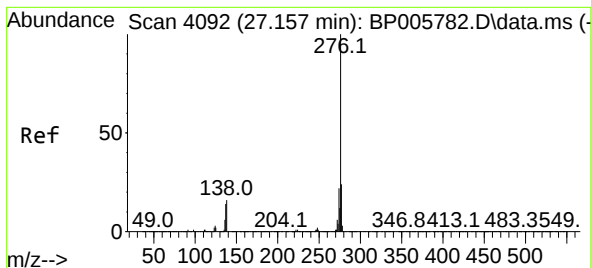
Tgt Ion:252 Resp: 753512
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 9.8 6.5 9.7#



#91
Dibenzo(a,h)anthracene
Concen: 3.10 ng
RT: 26.274 min Scan# 3942
Delta R.T. -0.029 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

Tgt Ion:278 Resp: 139964
Ion Ratio Lower Upper
278 100
139 0.0 9.3 13.9#
279 28.6 18.8 28.2#





#92
Benzo(g,h,i)perylene
Concen: 12.21 ng
RT: 27.057 min Scan# 4075
Delta R.T. -0.012 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

Instrument :
BNA_P
ClientSampleId :
RBR-24DL

Tgt Ion:276 Resp: 544962
Ion Ratio Lower Upper
276 100
277 24.8 18.9 28.3
138 18.3 12.6 18.8

