

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121621\
 Data File : BP008463.D
 Acq On : 16 Dec 2021 21:03
 Operator : CG/JU
 Sample : M5076-12DL 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-9-SB-22-GDL

Quant Time: Dec 17 03:24:15 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 14 17:59:47 2021
 Response via : Initial Calibration

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

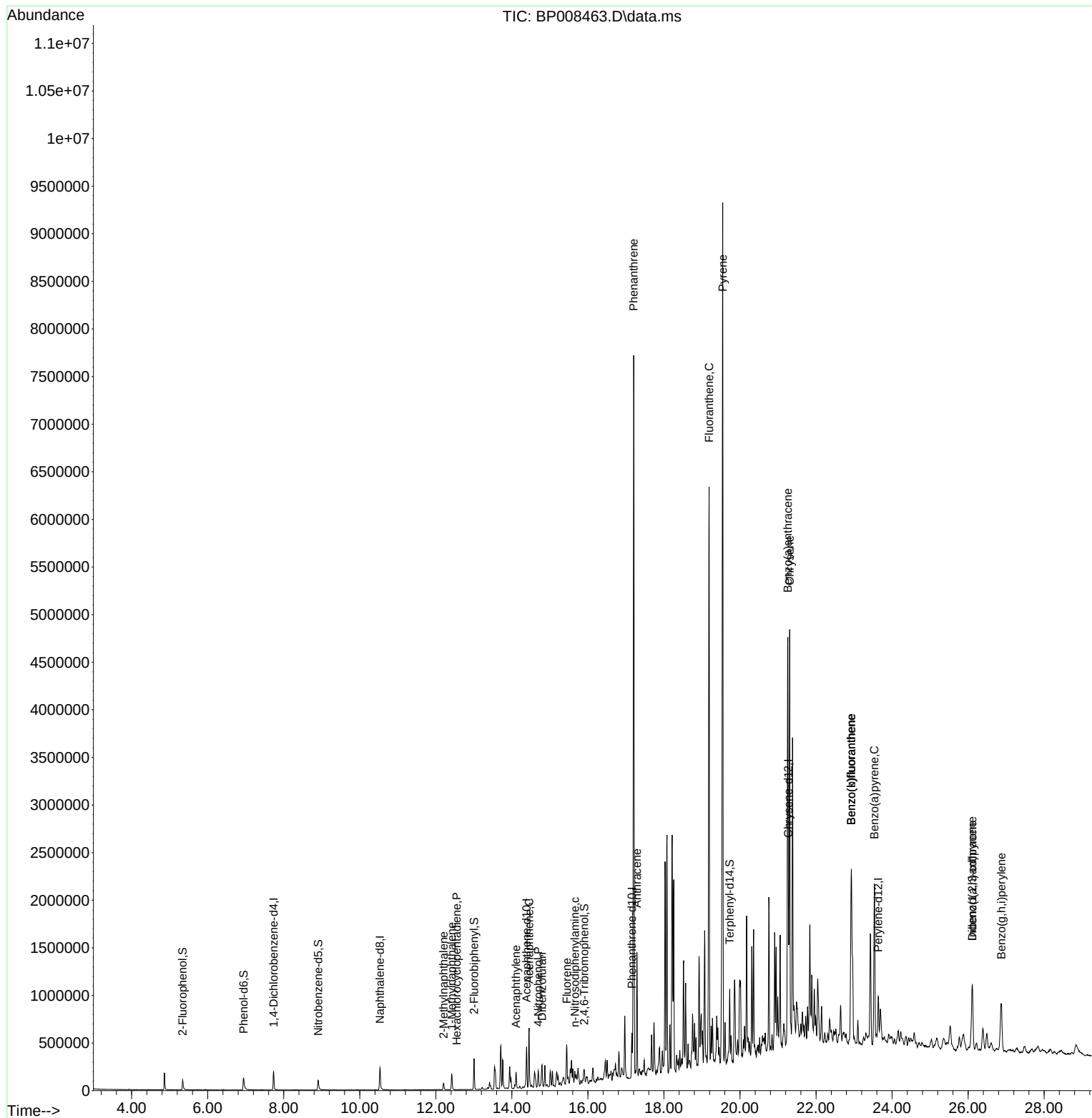
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	54309	20.000	ng	-0.01
21) Naphthalene-d8	10.528	136	195614	20.000	ng	-0.01
39) Acenaphthene-d10	14.387	164	132767	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	297481	20.000	ng	0.00
76) Chrysene-d12	21.269	240	345044	20.000	ng	0.00
86) Perylene-d12	23.633	264	384664	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	52254	15.195	ng	0.00
7) Phenol-d6	6.940	99	100610	21.783	ng	0.00
23) Nitrobenzene-d5	8.905	82	76944	16.664	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	12753	6.536	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	165954	15.890	ng	-0.01
79) Terphenyl-d14	19.727	244	296480	14.954	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.228	88	142	Below Cal	#	44
9) Benzaldehyde	6.887	77	126	Below Cal	#	42
37) 2-Methylnaphthalene	12.204	142	36019	5.095	ng	99
38) 1-Methylnaphthalene	12.416	142	73720	10.710	ng	99
41) Hexachlorocyclopentadiene	12.546	237	20	8.665	ng	78
49) Acenaphthylene	14.110	152	41576	3.457	ng	# 82
52) Acenaphthene	14.451	154	207196	28.963	ng	99
55) Dibenzofuran	14.792	168	39186	3.220	ng	# 72
56) 4-Nitrophenol	14.692	139	4199	3.659	ng	# 22
58) Fluorene	15.445	166	168286	17.837	ng	98
66) n-Nitrosodiphenylamine	15.657	169	23404	2.499	ng	# 56
71) Phenanthrene	17.204	178	4760770	295.437	ng	99
72) Anthracene	17.286	178	796937	50.126	ng	99
75) Fluoranthene	19.186	202	3573400	196.415	ng	98
78) Pyrene	19.545	202	5735616	232.337	ng	99
81) Benzo(a)anthracene	21.257	228	2365097	102.279	ng	100
83) Chrysene	21.304	228	2200238	99.612	ng	98
87) Indeno(1,2,3-cd)pyrene	26.110	276	693709	22.910	ng	# 94
88) Benzo(b)fluoranthene	22.927	252	2086103	90.154	ng	99
89) Benzo(k)fluoranthene	22.927	252	2086103	89.399	ng	98
90) Benzo(a)pyrene	23.533	252	1355025	67.469	ng	98
91) Dibenzo(a,h)anthracene	26.110	278	261171	10.304	ng	98
92) Benzo(g,h,i)perylene	26.874	276	697799	27.801	ng	97

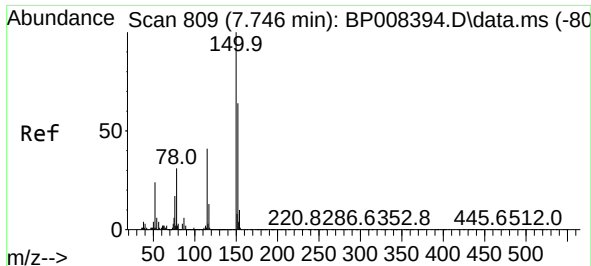
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 14 17:59:47 2021
Response via : Initial Calibration

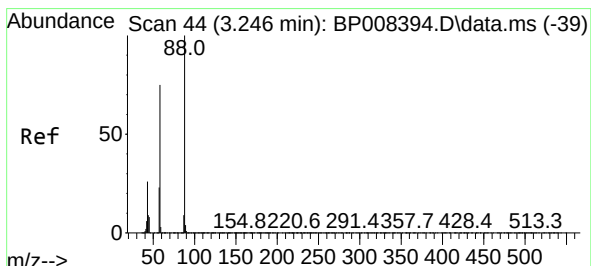
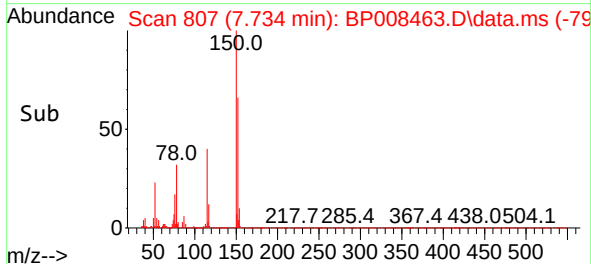
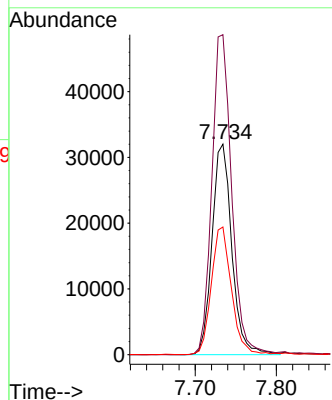
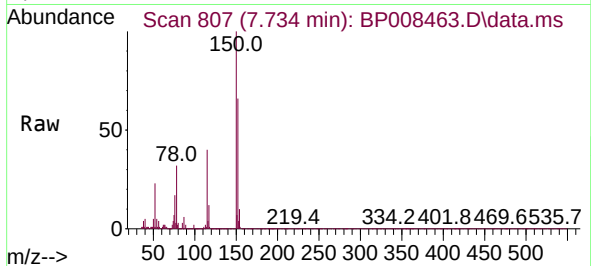




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 80
Delta R.T. -0.012 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

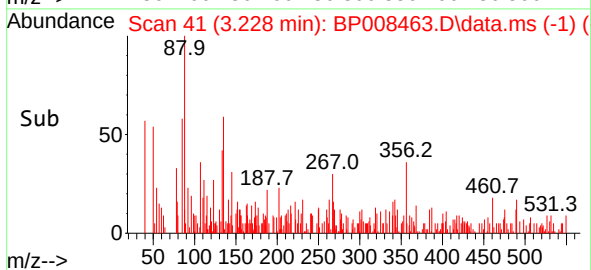
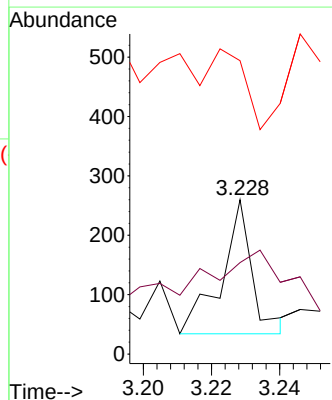
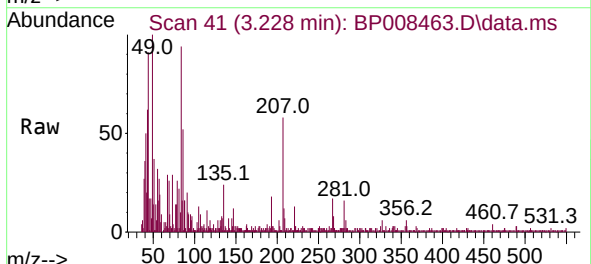
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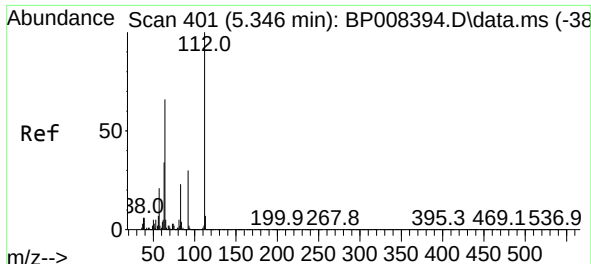
Tgt Ion:152 Resp: 54309
Ion Ratio Lower Upper
152 100
150 152.0 125.7 188.5
115 60.7 50.7 76.1



#2
1,4-Dioxane
Concen: Below Cal
RT: 3.228 min Scan# 41
Delta R.T. -0.018 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

Tgt Ion: 88 Resp: 142
Ion Ratio Lower Upper
88 100
58 129.6 63.5 95.3#
43 0.0 23.4 35.2#

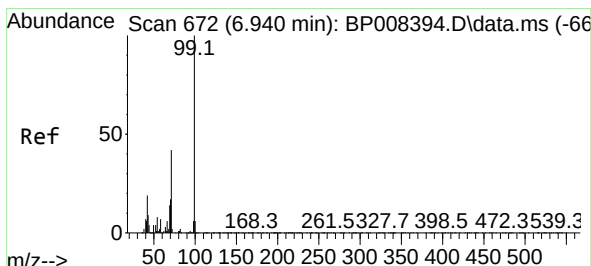
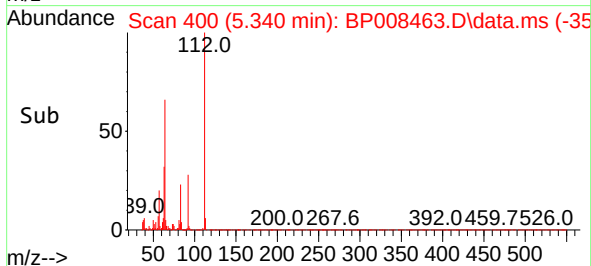
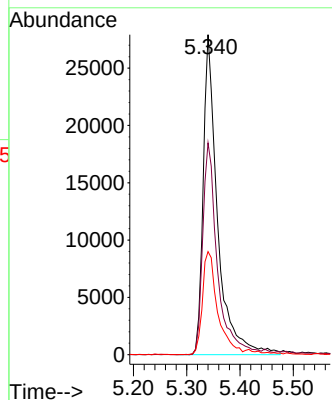
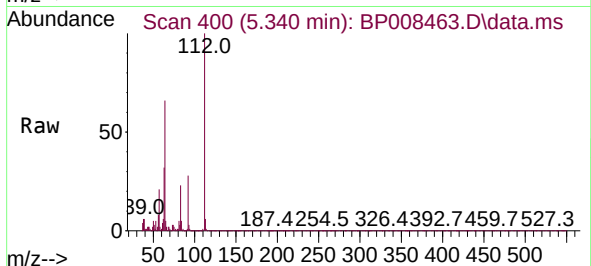




#5
2-Fluorophenol
Concen: 15.195 ng
RT: 5.340 min Scan# 401
Delta R.T. -0.006 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

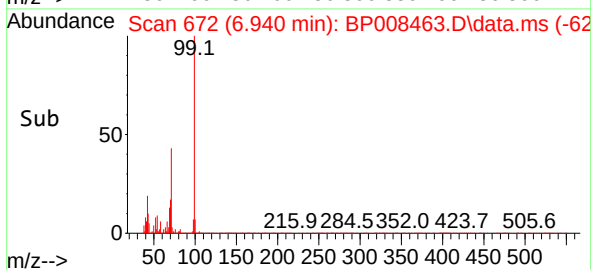
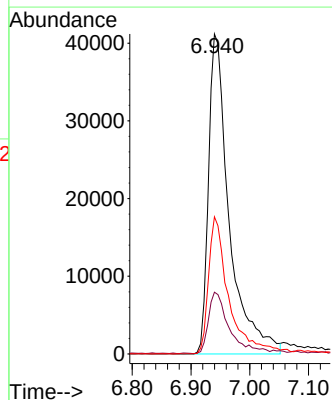
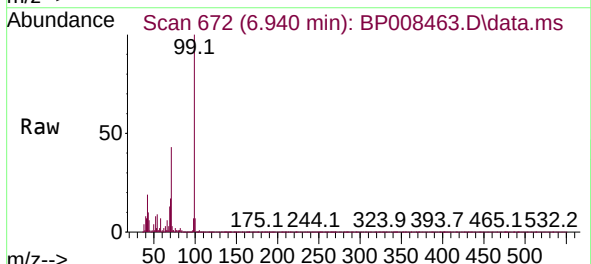
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-GDL

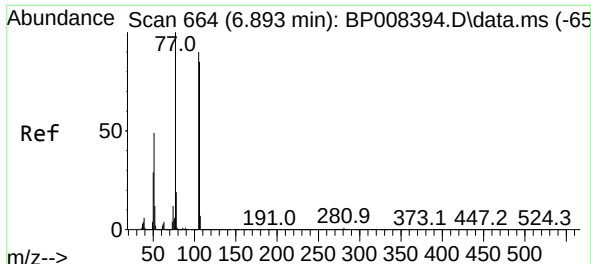
Tgt Ion: 112 Resp: 52254
Ion Ratio Lower Upper
112 100
64 66.2 53.4 80.2
63 32.2 27.8 41.8



#7
Phenol-d6
Concen: 21.783 ng
RT: 6.940 min Scan# 672
Delta R.T. 0.000 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

Tgt Ion: 99 Resp: 100610
Ion Ratio Lower Upper
99 100
42 19.3 14.6 22.0
71 42.8 31.1 46.7

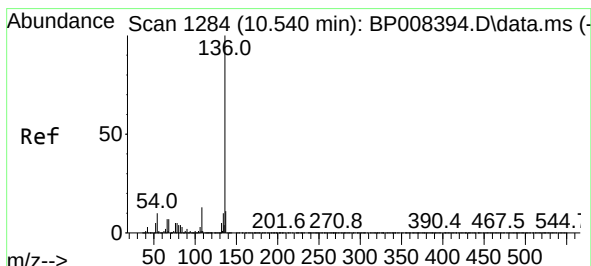
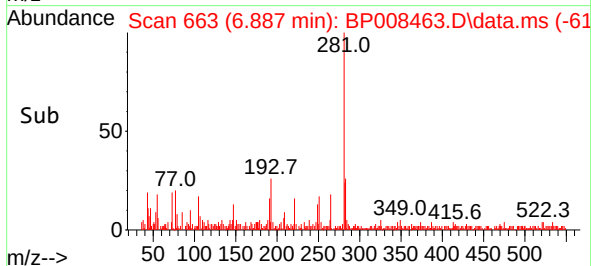
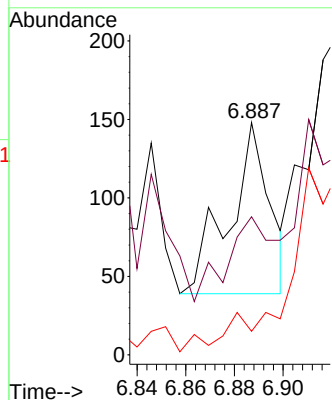
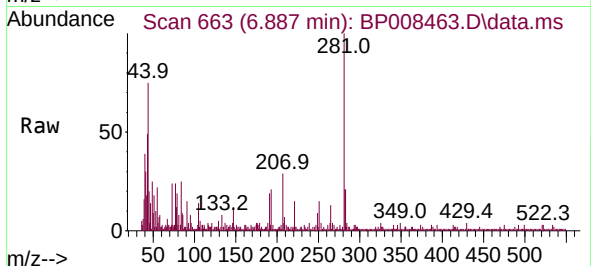




#9
Benzaldehyde
Concen: Below Cal
RT: 6.887 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

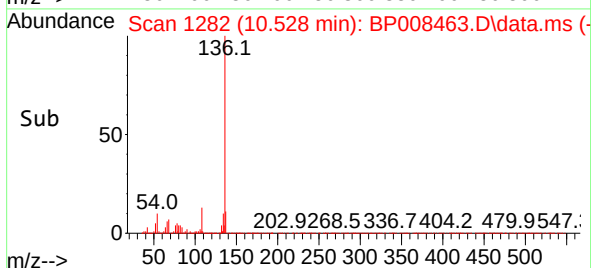
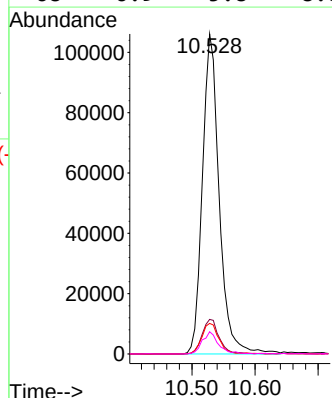
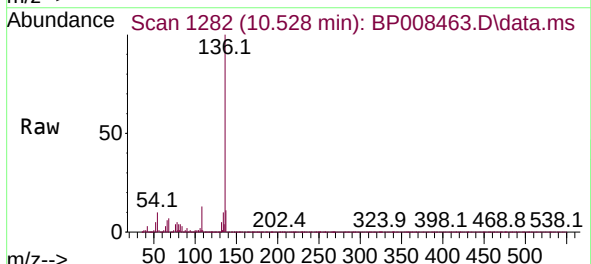
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-GDL

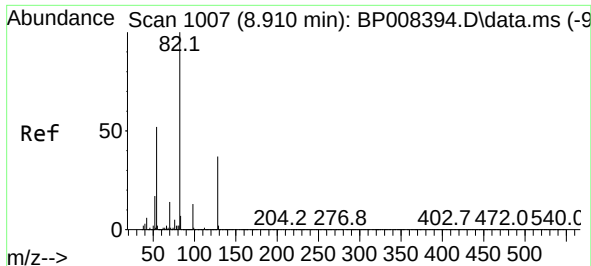
Tgt Ion: 77 Resp: 126
Ion Ratio Lower Upper
77 100
105 59.5 71.8 111.8#
106 10.1 67.3 107.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.528 min Scan# 1282
Delta R.T. -0.012 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

Tgt Ion: 136 Resp: 195614
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 9.5 8.2 12.4
68 6.9 5.8 8.8





#23

Nitrobenzene-d5

Concen: 16.664 ng

RT: 8.905 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BP008463.D

Acq: 16 Dec 2021 21:03

Instrument :

BNA_P

ClientSampleId :

SB-9-SB-22-GDL

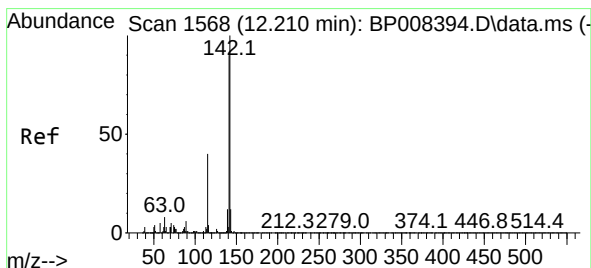
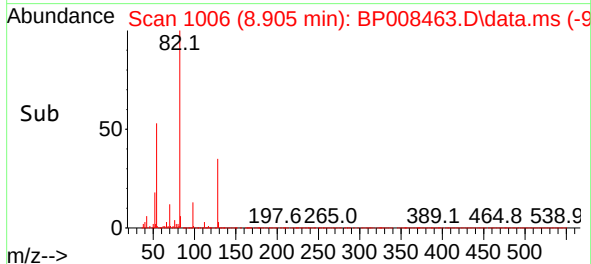
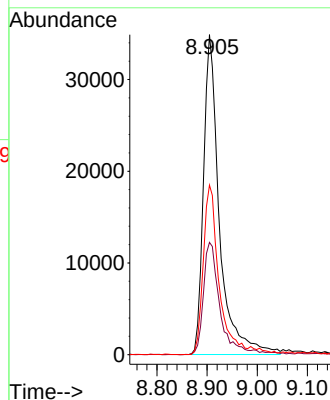
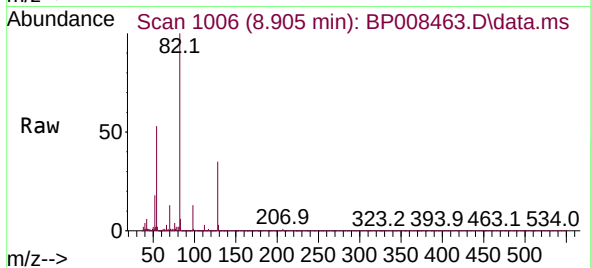
Tgt Ion: 82 Resp: 76944

Ion Ratio Lower Upper

82 100

128 35.1 29.6 44.4

54 53.0 42.7 64.1



#37

2-Methylnaphthalene

Concen: 5.095 ng

RT: 12.204 min Scan# 1567

Delta R.T. -0.006 min

Lab File: BP008463.D

Acq: 16 Dec 2021 21:03

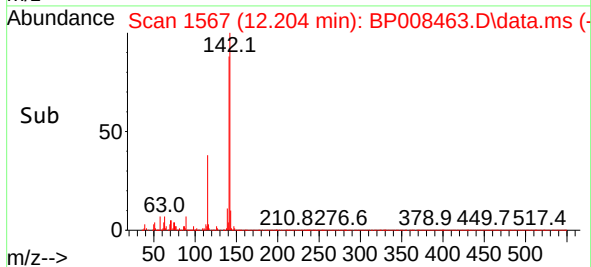
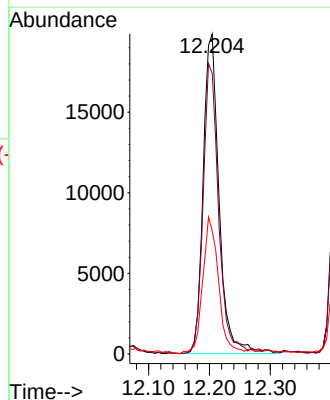
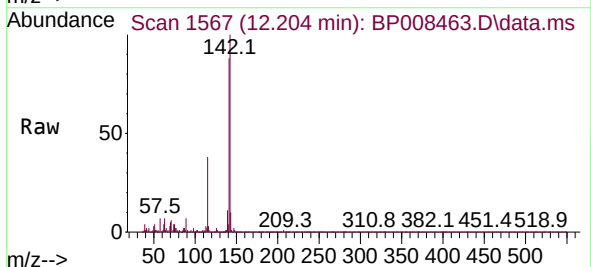
Tgt Ion: 142 Resp: 36019

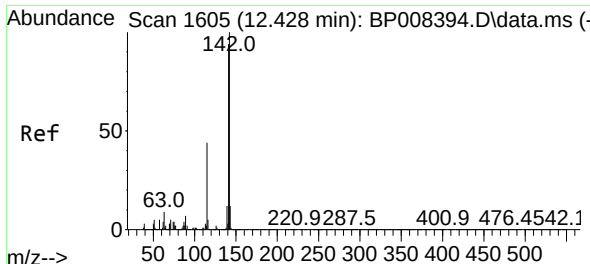
Ion Ratio Lower Upper

142 100

141 87.7 70.7 106.1

115 38.5 30.9 46.3

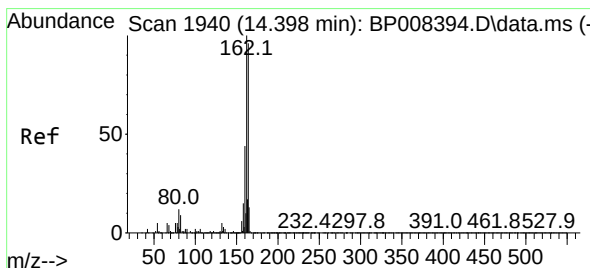
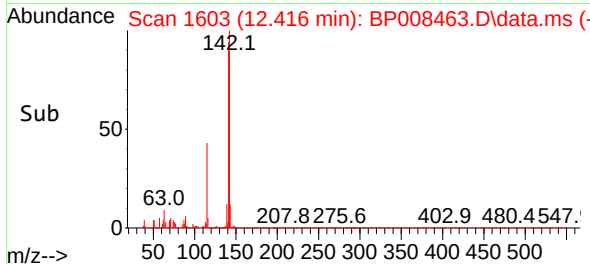
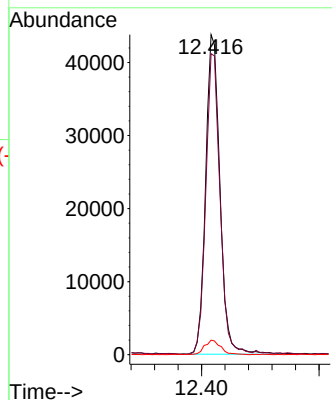
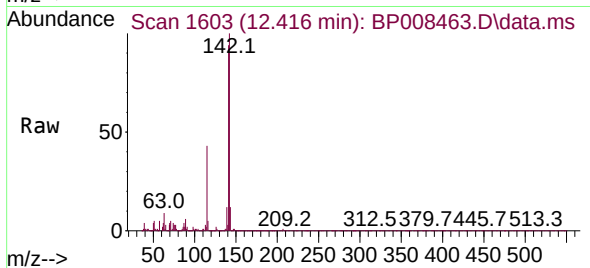




#38
1-Methylnaphthalene
Concen: 10.710 ng
RT: 12.416 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

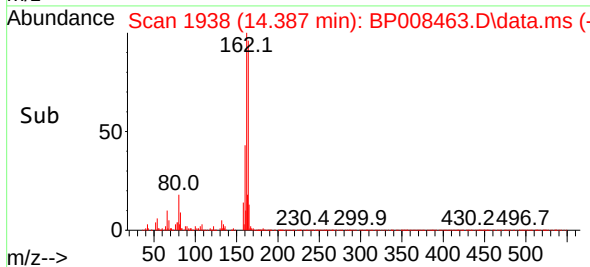
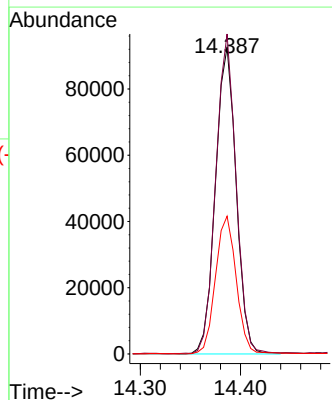
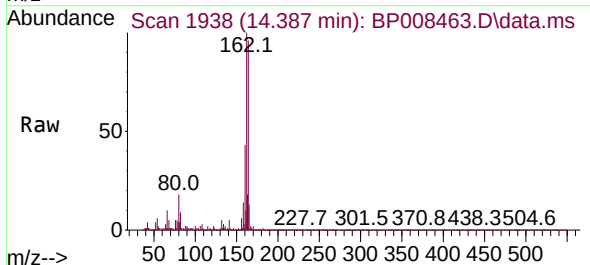
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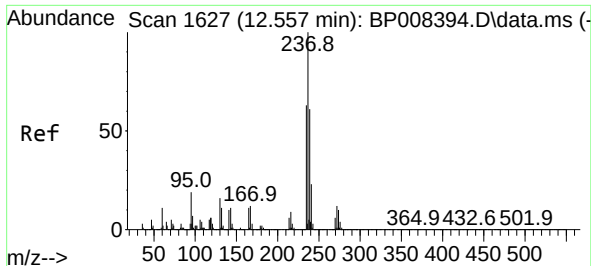
Tgt Ion:142 Resp: 73720
Ion Ratio Lower Upper
142 100
141 94.0 74.2 111.4
116 4.6 3.4 5.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1938
Delta R.T. -0.011 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

Tgt Ion:164 Resp: 132767
Ion Ratio Lower Upper
164 100
162 104.3 81.9 122.9
160 44.9 35.4 53.0

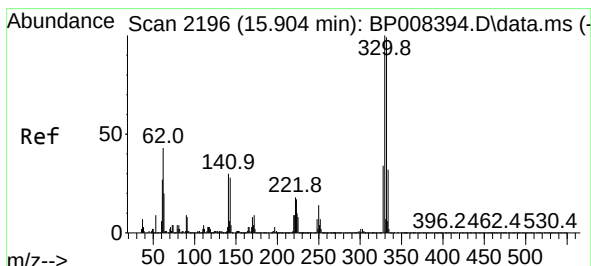
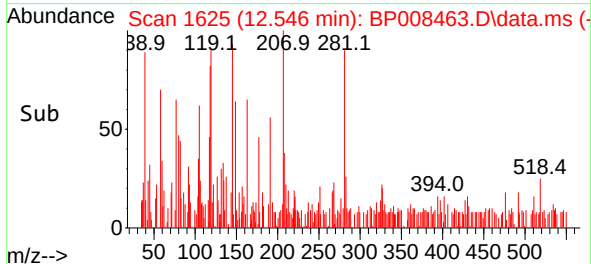
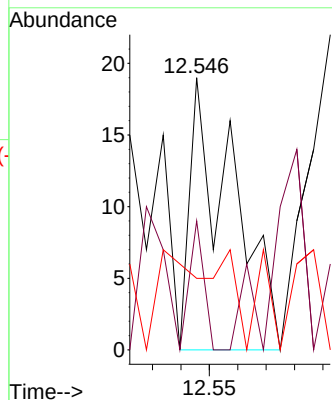
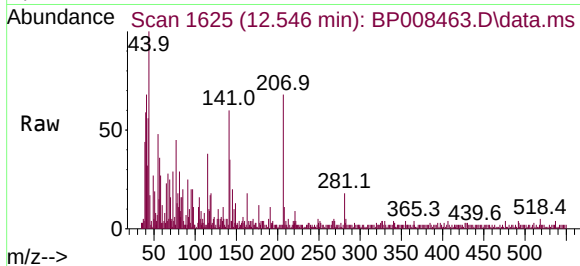




#41
Hexachlorocyclopentadiene
Concen: 8.665 ng
RT: 12.546 min Scan# 1
Delta R.T. -0.011 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

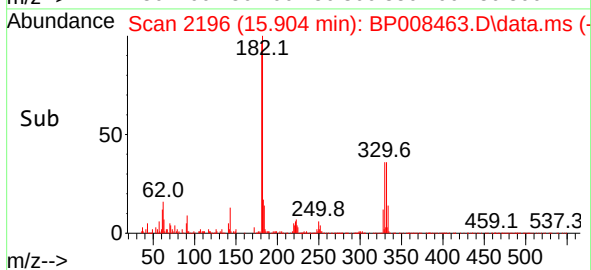
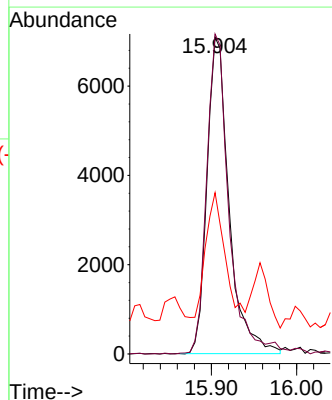
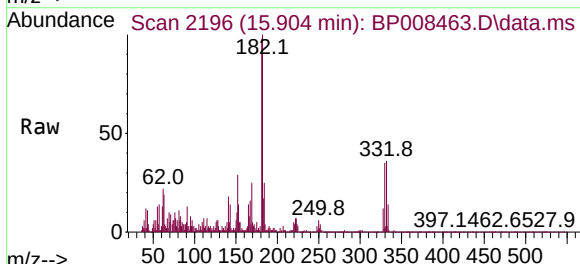
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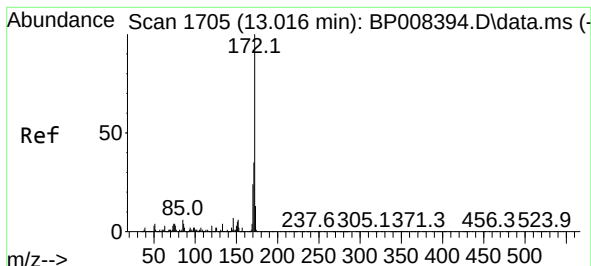
Tgt Ion:	237	Resp:	20
Ion	Ratio	Lower	Upper
237	100		
235	47.4	42.3	82.3
272	26.3	0.0	32.2



#42
2,4,6-Tribromophenol
Concen: 6.536 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

Tgt Ion:	330	Resp:	12753
Ion	Ratio	Lower	Upper
330	100		
332	101.7	77.0	115.4
141	36.7	28.4	42.6





#45

2-Fluorobiphenyl

Concen: 15.890 ng

RT: 13.004 min Scan# 1703

Delta R.T. -0.012 min

Lab File: BP008463.D

Acq: 16 Dec 2021 21:03

Instrument :

BNA_P

ClientSampleId :

SB-9-SB-22-GDL

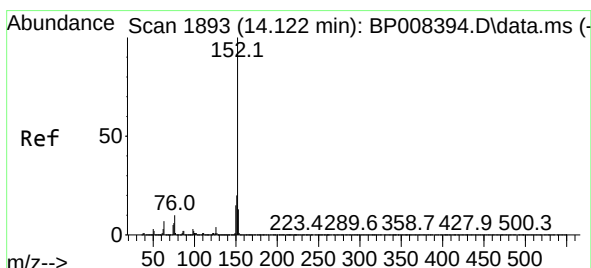
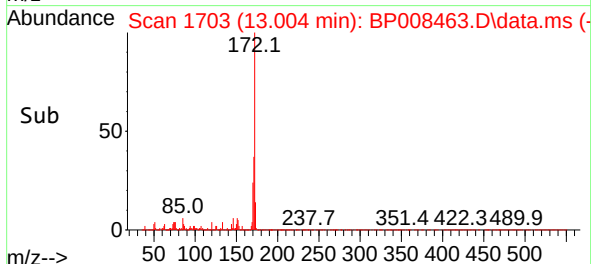
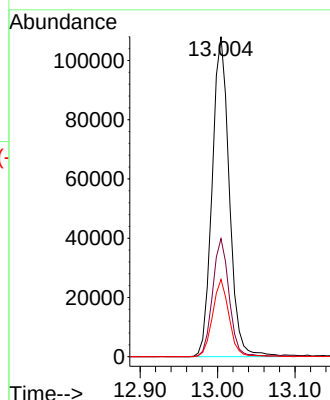
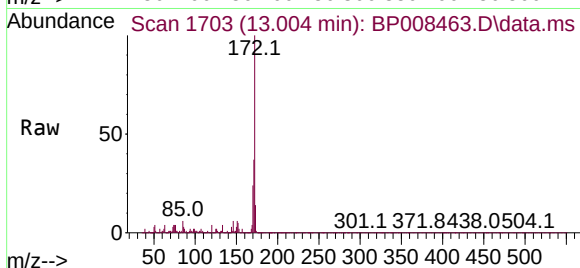
Tgt Ion:172 Resp: 165954

Ion Ratio Lower Upper

172 100

171 36.9 28.0 42.0

170 24.2 18.9 28.3



#49

Acenaphthylene

Concen: 3.457 ng

RT: 14.110 min Scan# 1891

Delta R.T. -0.012 min

Lab File: BP008463.D

Acq: 16 Dec 2021 21:03

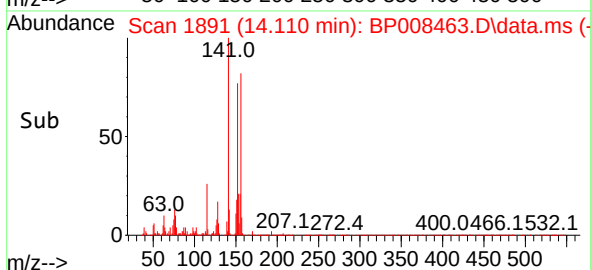
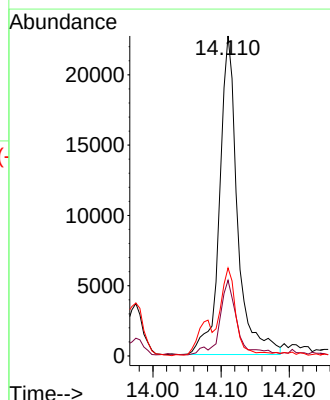
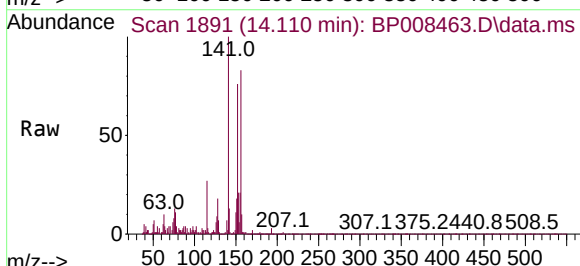
Tgt Ion:152 Resp: 41576

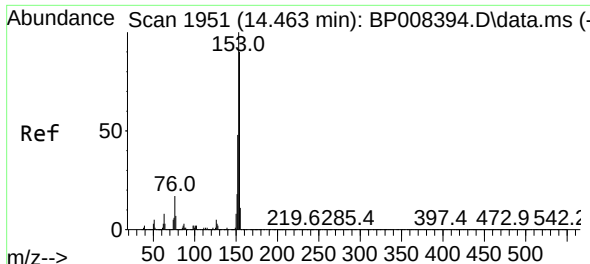
Ion Ratio Lower Upper

152 100

151 23.6 16.2 24.4

153 27.5 10.9 16.3

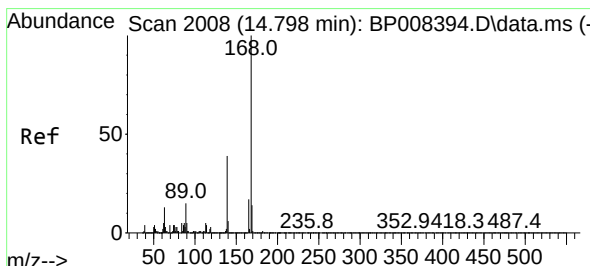
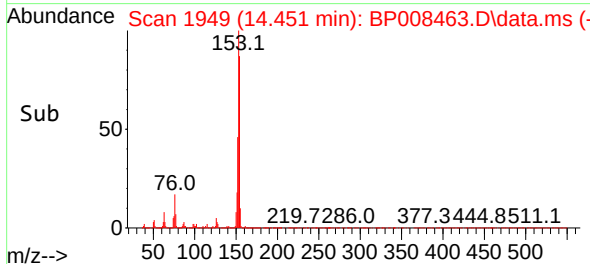
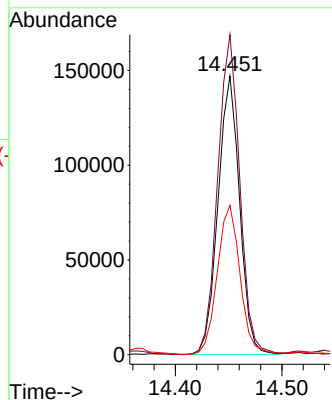
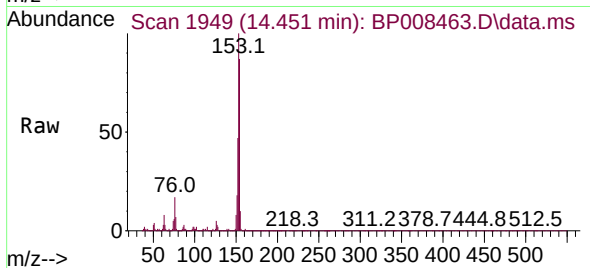




#52
Acenaphthene
Concen: 28.963 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.012 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

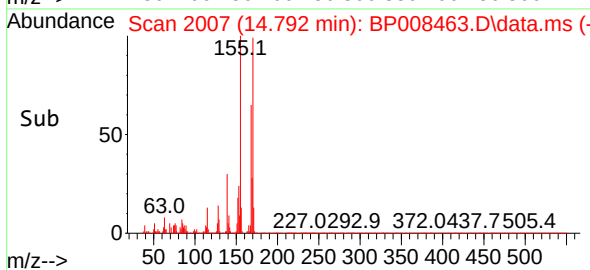
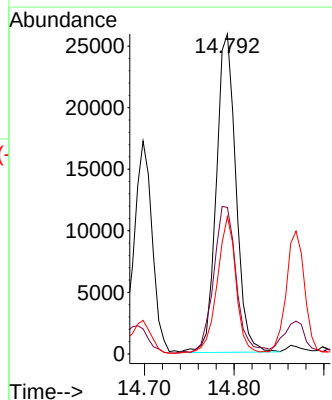
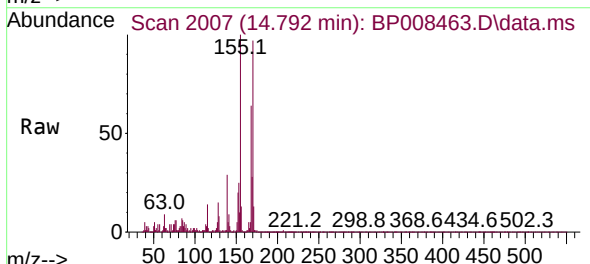
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-GDL

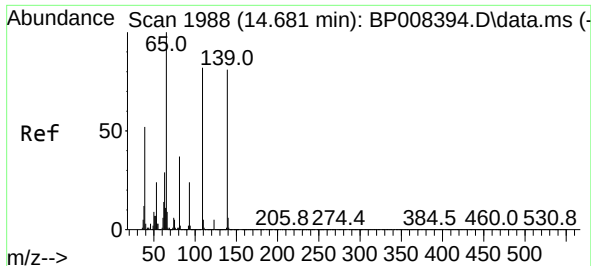
Tgt Ion:154 Resp: 207196
Ion Ratio Lower Upper
154 100
153 114.9 90.3 135.5
152 53.6 43.3 64.9



#55
Dibenzofuran
Concen: 3.220 ng
RT: 14.792 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

Tgt Ion:168 Resp: 39186
Ion Ratio Lower Upper
168 100
139 45.8 30.6 46.0
169 42.9 11.0 16.4#

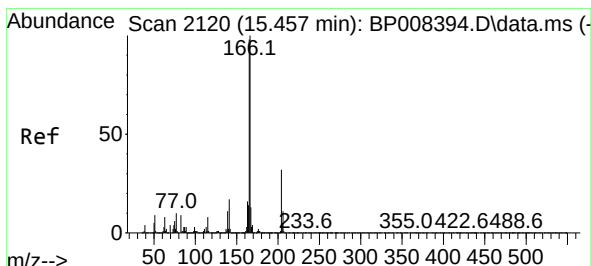
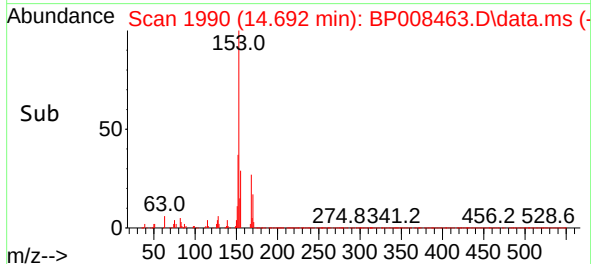
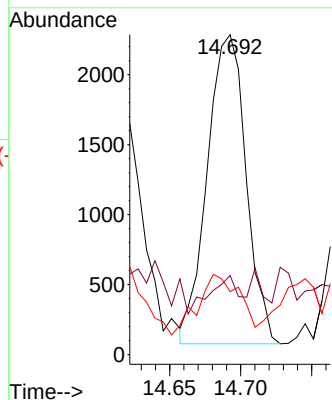
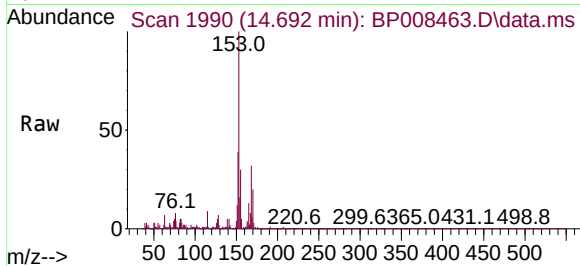




#56
4-Nitrophenol
Concen: 3.659 ng
RT: 14.692 min Scan# 1988
Delta R.T. 0.012 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

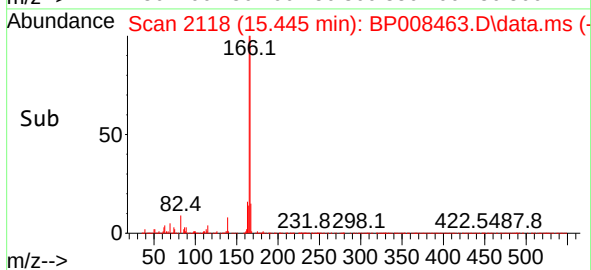
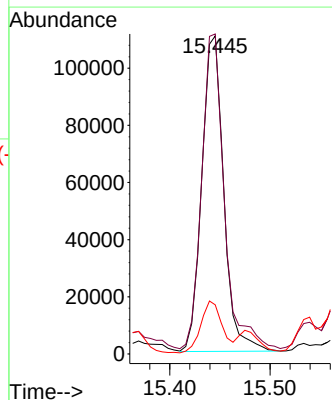
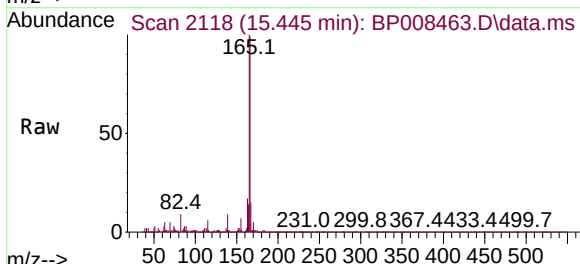
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-GDL

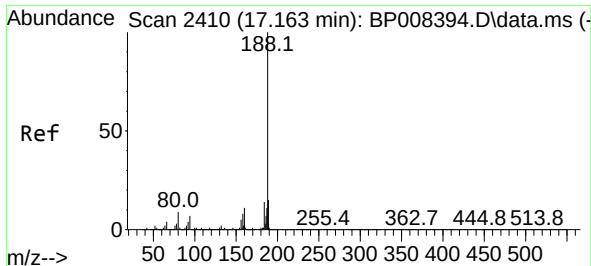
Tgt Ion:139 Resp: 4199
Ion Ratio Lower Upper
139 100
109 24.8 65.9 105.9#
65 19.7 91.9 131.9#



#58
Fluorene
Concen: 17.837 ng
RT: 15.445 min Scan# 2118
Delta R.T. -0.012 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

Tgt Ion:166 Resp: 168286
Ion Ratio Lower Upper
166 100
165 100.6 79.4 119.2
167 15.5 10.9 16.3

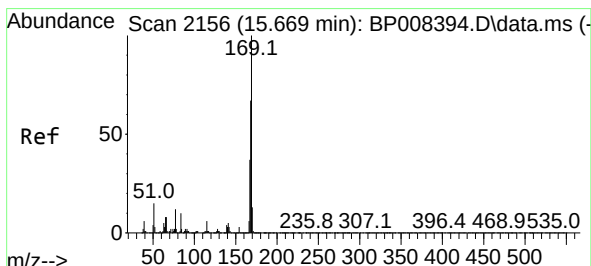
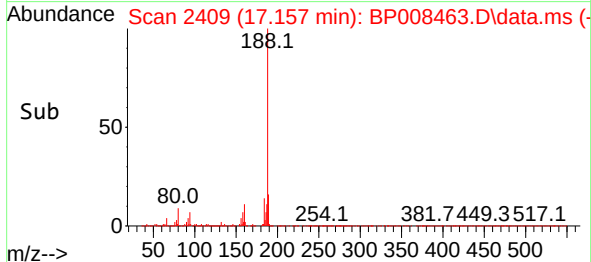
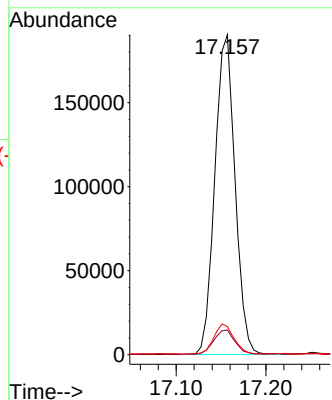
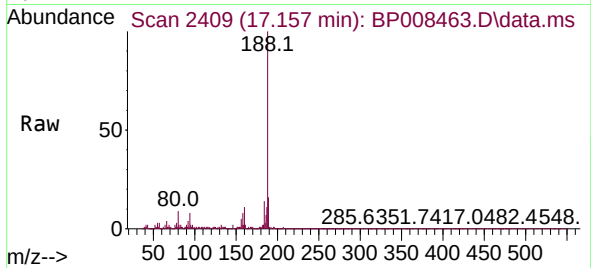




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

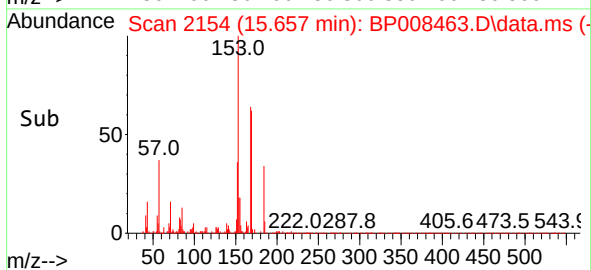
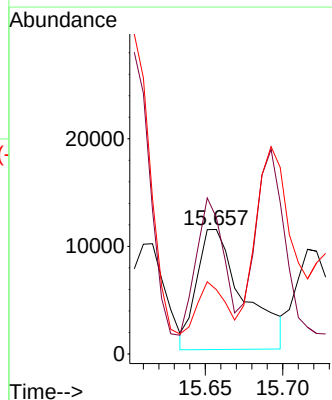
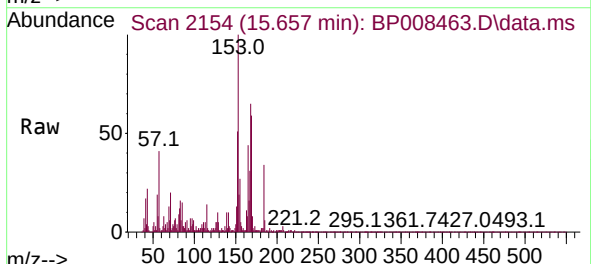
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-GDL

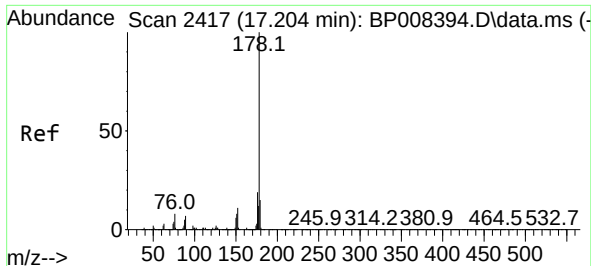
Tgt Ion:188 Resp: 297481
Ion Ratio Lower Upper
188 100
94 7.8 7.2 10.8
80 8.8 8.2 12.4



#66
n-Nitrosodiphenylamine
Concen: 2.499 ng
RT: 15.657 min Scan# 2154
Delta R.T. -0.012 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

Tgt Ion:169 Resp: 23404
Ion Ratio Lower Upper
169 100
168 109.7 53.5 80.3#
167 51.7 29.3 43.9#

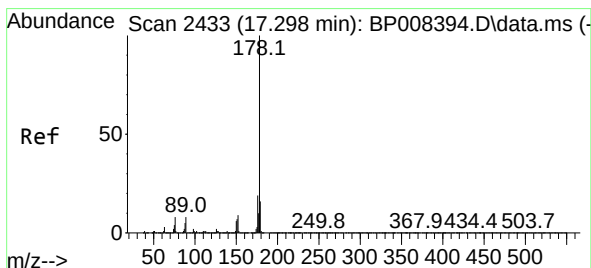
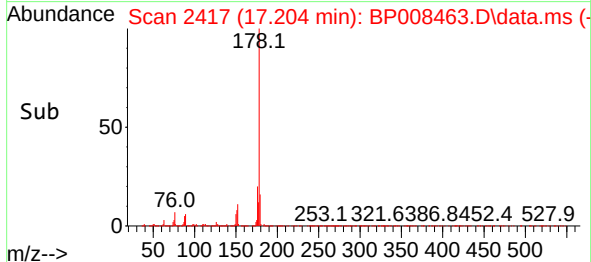
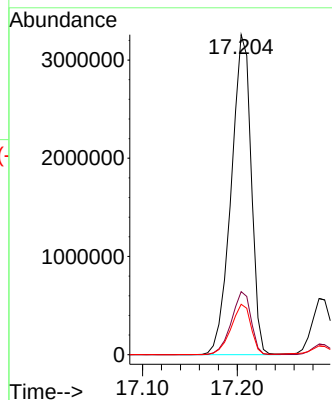
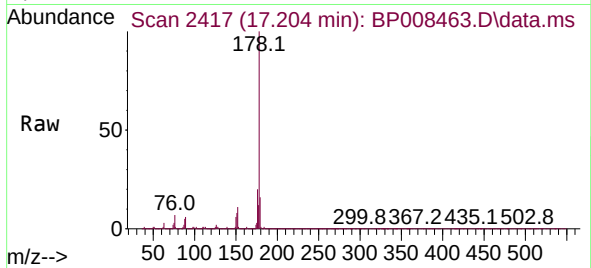




#71
Phenanthrene
Concen: 295.437 ng
RT: 17.204 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

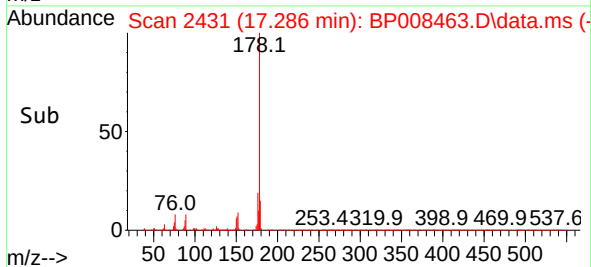
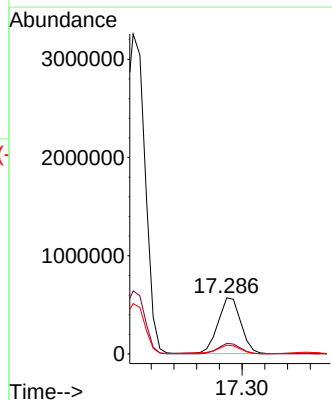
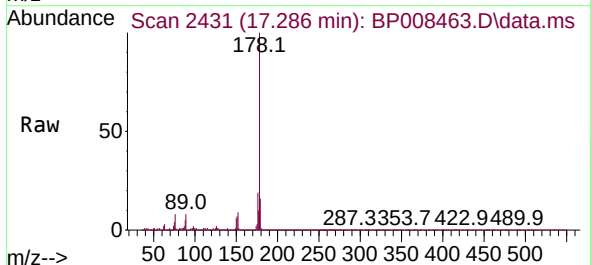
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-GDL

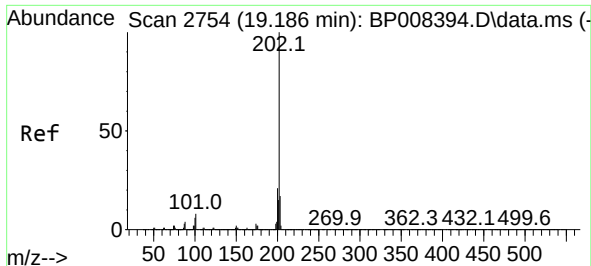
Tgt Ion:178 Resp: 4760770
Ion Ratio Lower Upper
178 100
176 19.7 15.3 22.9
179 15.7 12.5 18.7



#72
Anthracene
Concen: 50.126 ng
RT: 17.286 min Scan# 2431
Delta R.T. -0.012 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

Tgt Ion:178 Resp: 796937
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.6 12.3 18.5

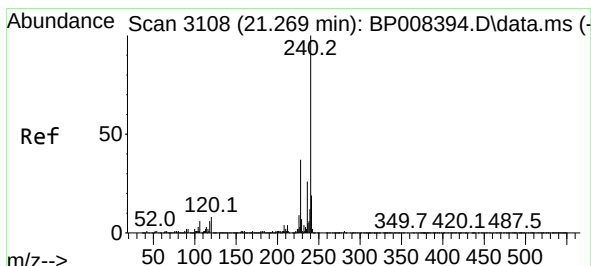
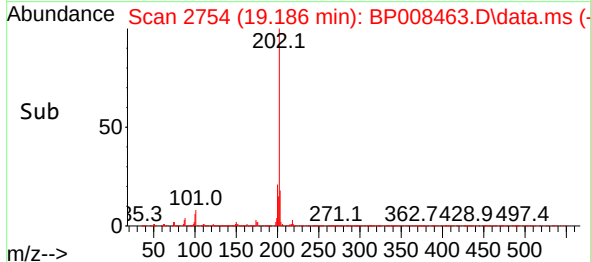
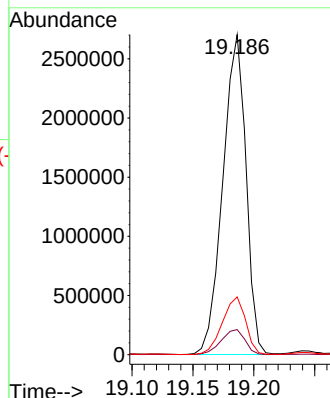
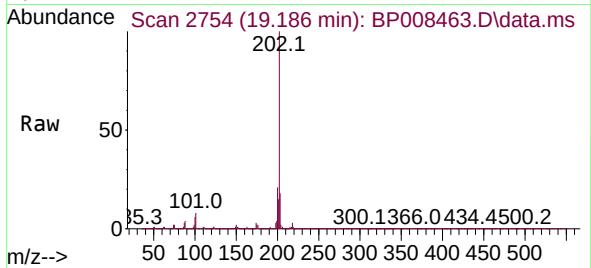




#75
Fluoranthene
Concen: 196.415 ng
RT: 19.186 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

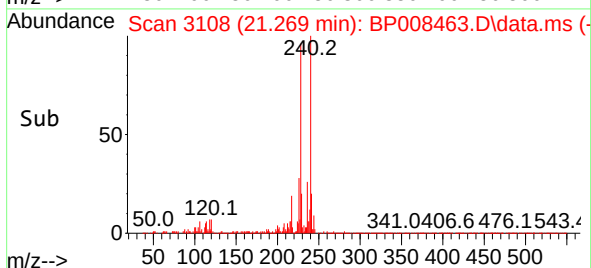
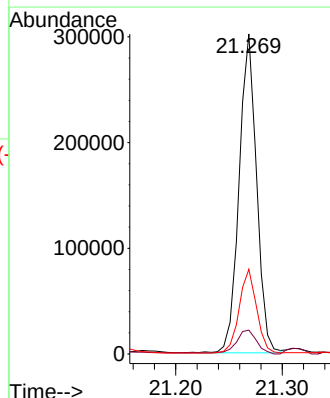
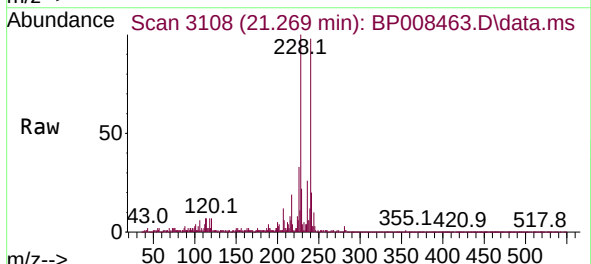
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-GDL

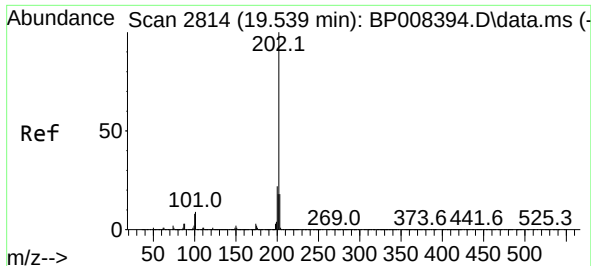
Tgt Ion:202 Resp: 3573400
Ion Ratio Lower Upper
202 100
101 7.8 0.0 29.8
203 18.0 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.269 min Scan# 3108
Delta R.T. 0.000 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

Tgt Ion:240 Resp: 345044
Ion Ratio Lower Upper
240 100
120 7.5 7.3 10.9
236 26.5 21.4 32.2

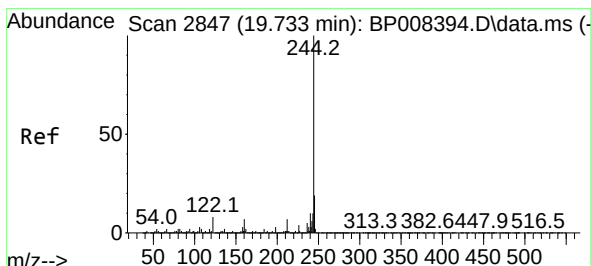
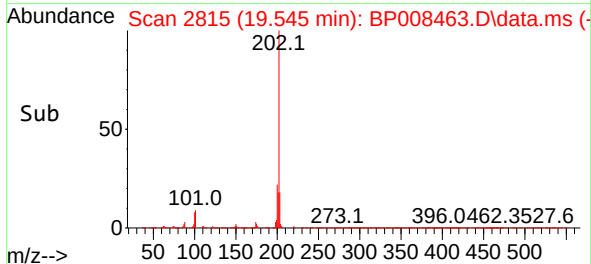
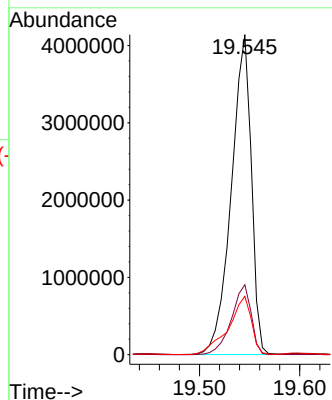
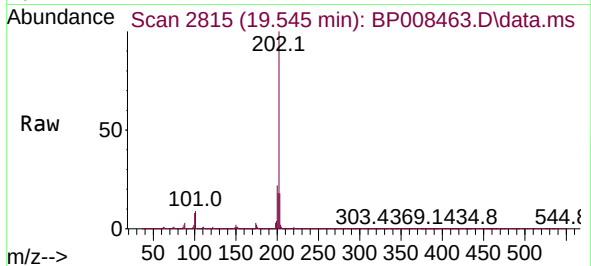




#78
 Pyrene
 Concen: 232.337 ng
 RT: 19.545 min Scan# 2815
 Delta R.T. 0.006 min
 Lab File: BP008463.D
 Acq: 16 Dec 2021 21:03

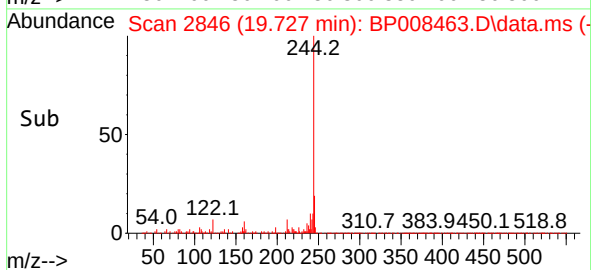
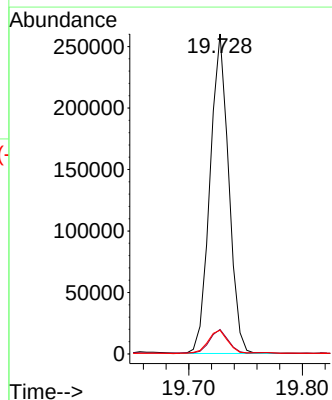
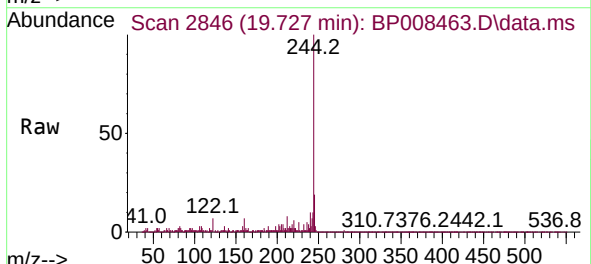
Instrument :
 BNA_P
 ClientSampleId :
 SB-9-SB-22-GDL

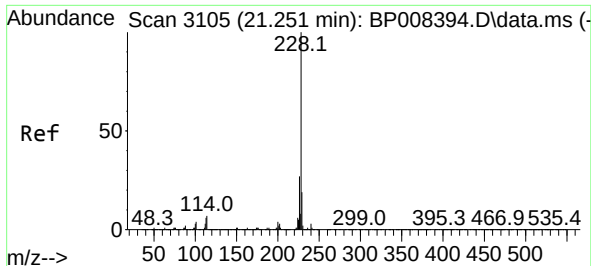
Tgt Ion:202 Resp: 5735616
 Ion Ratio Lower Upper
 202 100
 200 21.9 17.1 25.7
 203 18.2 14.2 21.2



#79
 Terphenyl-d14
 Concen: 14.954 ng
 RT: 19.727 min Scan# 2846
 Delta R.T. -0.006 min
 Lab File: BP008463.D
 Acq: 16 Dec 2021 21:03

Tgt Ion:244 Resp: 296480
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.0 9.0
 122 7.4 6.6 9.8

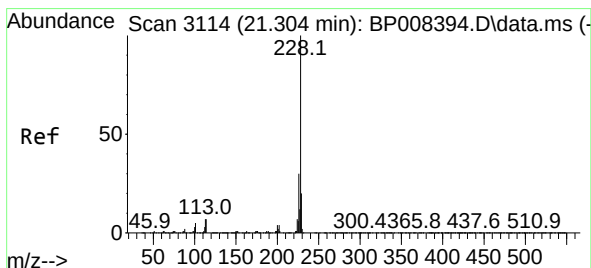
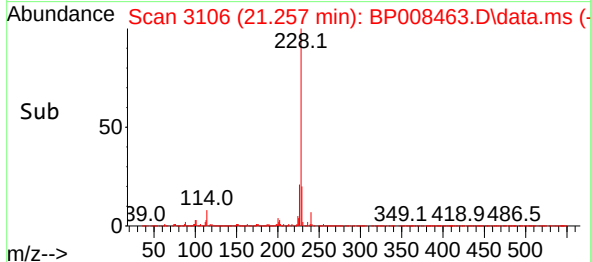
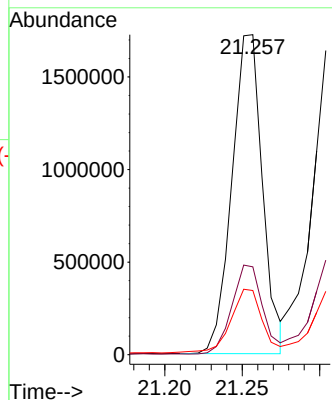
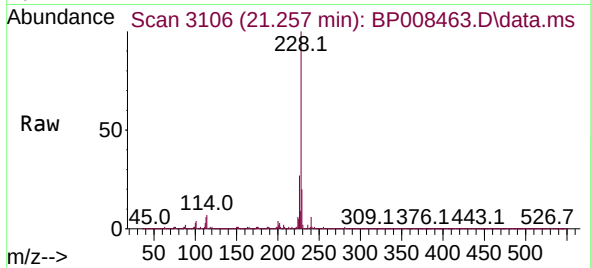




#81
Benzo(a)anthracene
Concen: 102.279 ng
RT: 21.257 min Scan# 3106
Delta R.T. 0.006 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

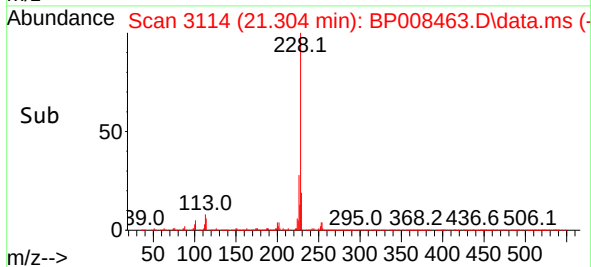
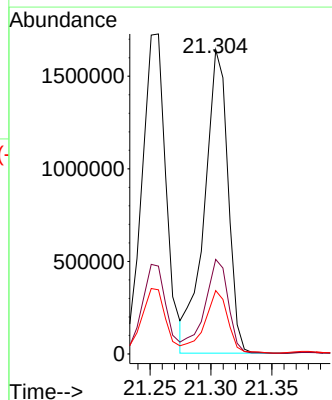
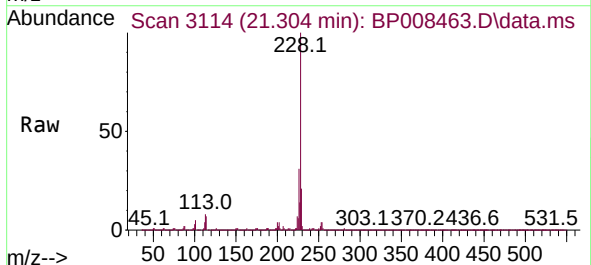
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-GDL

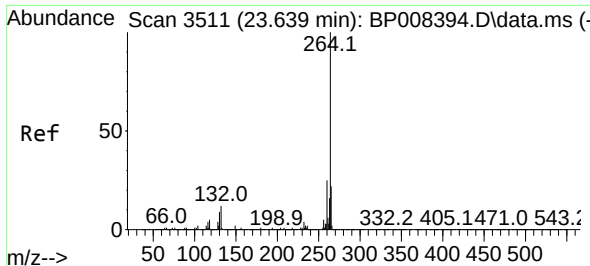
Tgt Ion:228 Resp: 2365097
Ion Ratio Lower Upper
228 100
226 27.5 21.9 32.9
229 20.1 15.9 23.9



#83
Chrysene
Concen: 99.612 ng
RT: 21.304 min Scan# 3114
Delta R.T. 0.000 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

Tgt Ion:228 Resp: 2200238
Ion Ratio Lower Upper
228 100
226 31.1 24.0 36.0
229 20.8 15.8 23.8



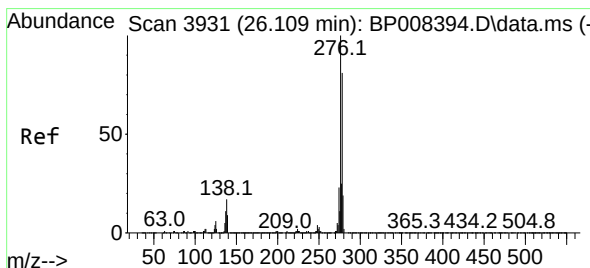
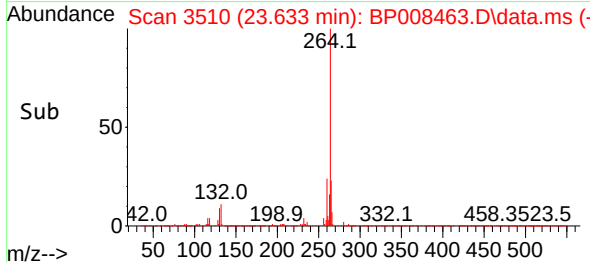
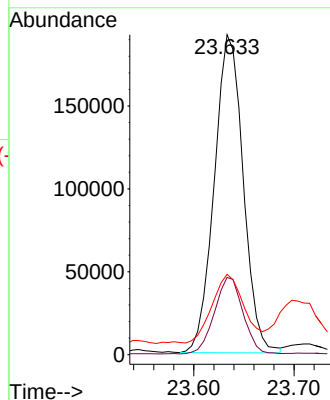
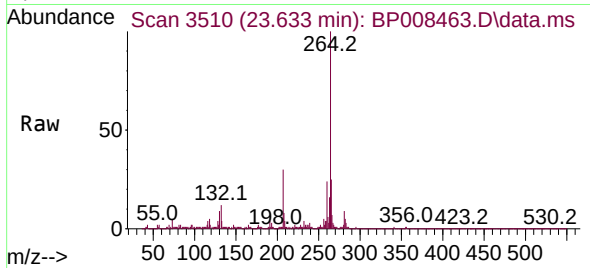


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.633 min Scan# 3511
Delta R.T. -0.006 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-GDL

Tgt Ion:264 Resp: 384664

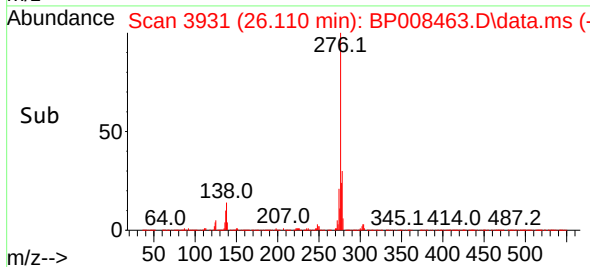
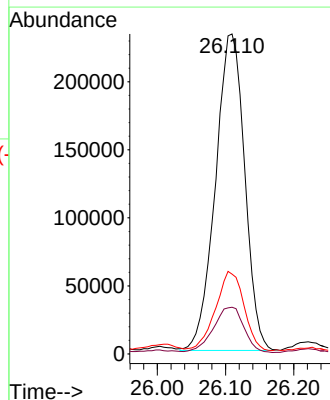
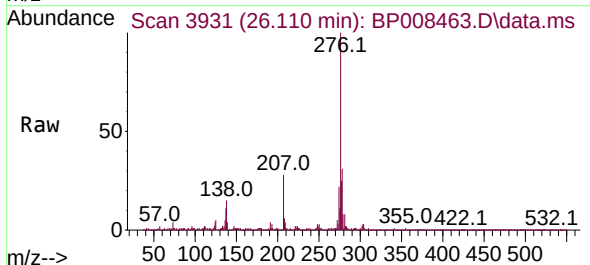
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.2
265	25.1	17.6	26.4

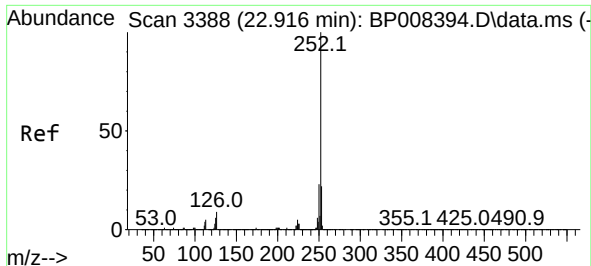


#87
Indeno(1,2,3-cd)pyrene
Concen: 22.910 ng
RT: 26.110 min Scan# 3931
Delta R.T. 0.000 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

Tgt Ion:276 Resp: 693709

Ion	Ratio	Lower	Upper
276	100		
138	15.0	16.6	25.0
277	24.4	20.2	30.2

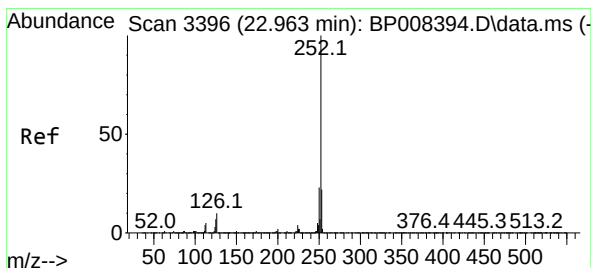
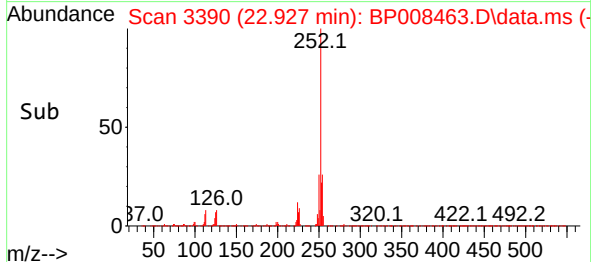
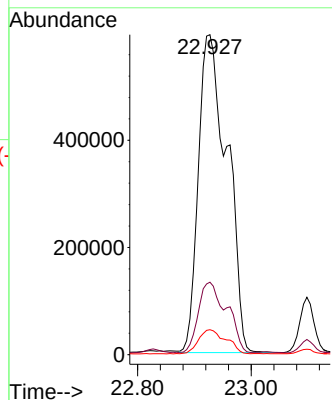
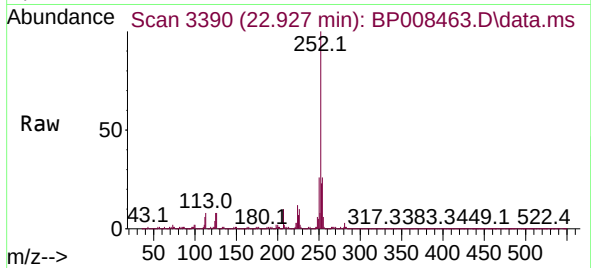




#88
Benzo(b)fluoranthene
Concen: 90.154 ng
RT: 22.927 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

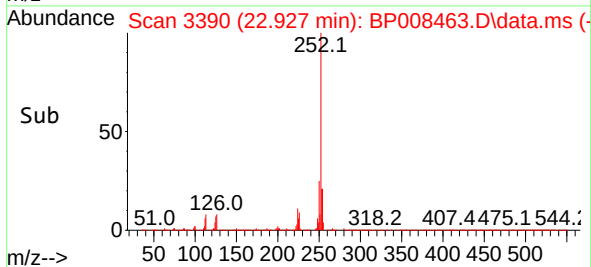
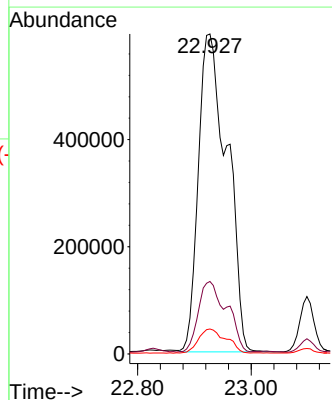
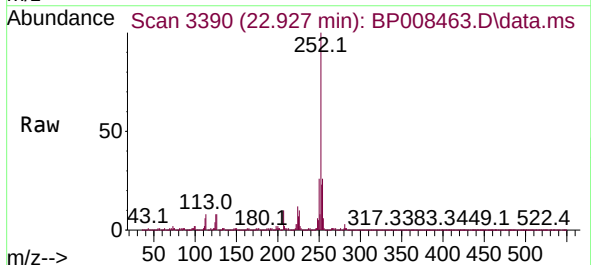
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-GDL

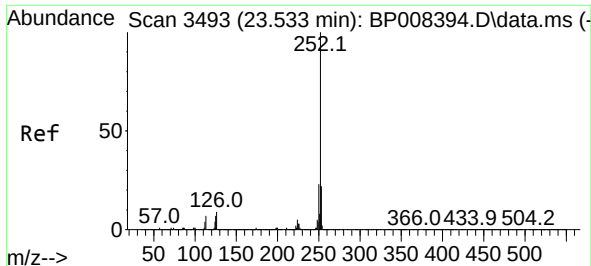
Tgt Ion:252 Resp: 2086103
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 7.8 6.2 9.4



#89
Benzo(k)fluoranthene
Concen: 89.399 ng
RT: 22.927 min Scan# 3390
Delta R.T. -0.035 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

Tgt Ion:252 Resp: 2086103
Ion Ratio Lower Upper
252 100
253 22.6 17.3 25.9
125 7.8 6.5 9.7

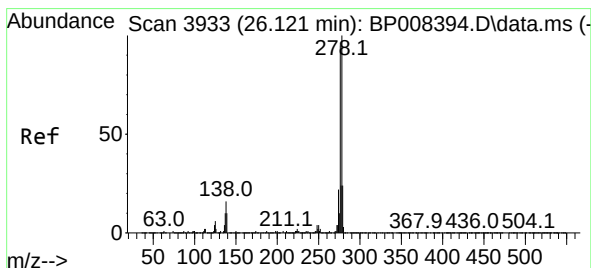
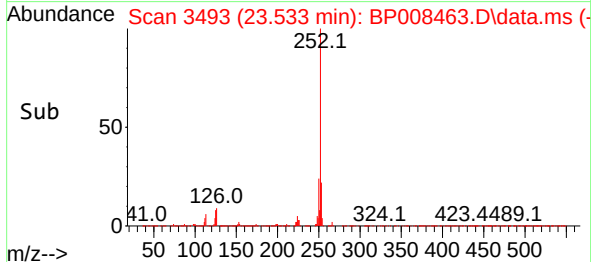
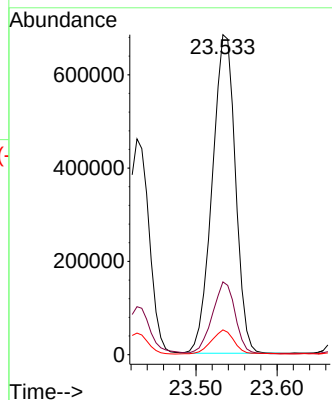
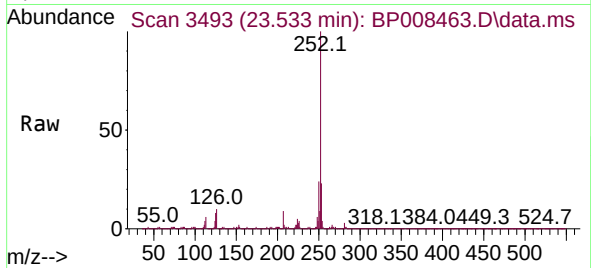




#90
Benzo(a)pyrene
Concen: 67.469 ng
RT: 23.533 min Scan# 3493
Delta R.T. 0.000 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

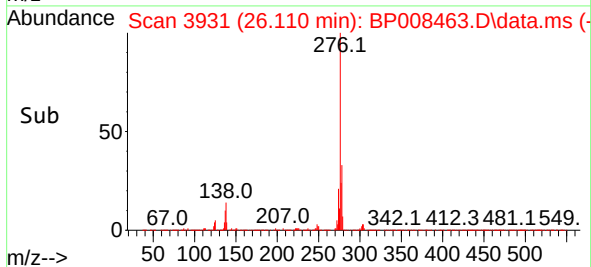
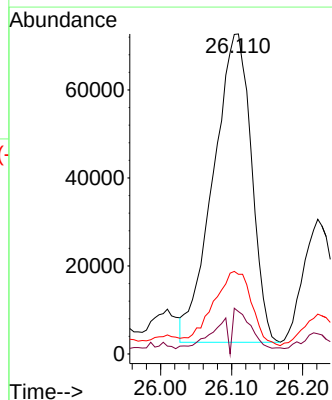
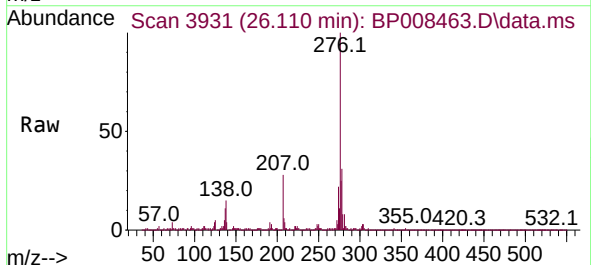
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-GDL

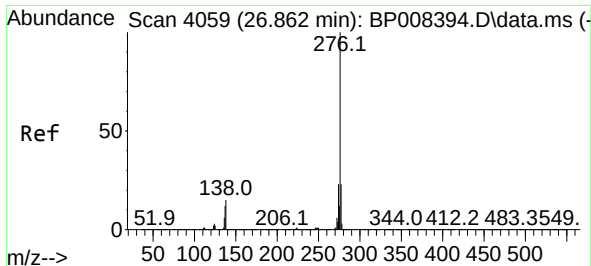
Tgt Ion:252 Resp: 1355025
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 7.7 7.4 11.0



#91
Dibenzo(a,h)anthracene
Concen: 10.304 ng
RT: 26.110 min Scan# 3931
Delta R.T. -0.012 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

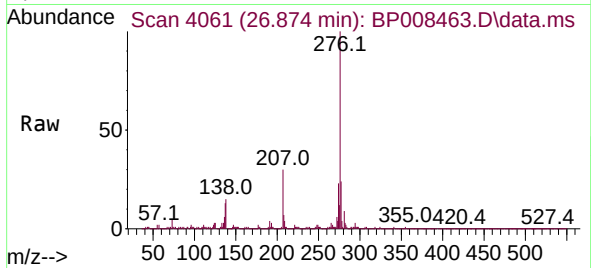
Tgt Ion:278 Resp: 261171
Ion Ratio Lower Upper
278 100
139 13.3 10.8 16.2
279 24.9 19.1 28.7





#92
 Benzo(g,h,i)perylene
 Concen: 27.801 ng
 RT: 26.874 min Scan# 4061
 Delta R.T. 0.012 min
 Lab File: BP008463.D
 Acq: 16 Dec 2021 21:03

Instrument :
 BNA_P
 ClientSampleId :
 SB-9-SB-22-GDL



Tgt Ion:276 Resp: 697799
 Ion Ratio Lower Upper
 276 100
 277 24.4 20.0 30.0
 138 14.7 14.1 21.1

