

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021022\
 Data File : BP009108.D
 Acq On : 10 Feb 2022 20:03
 Operator : CG/JU
 Sample : N1355-03 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-2

Quant Time: Feb 11 02:27:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 07 15:13:17 2022
 Response via : Initial Calibration

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

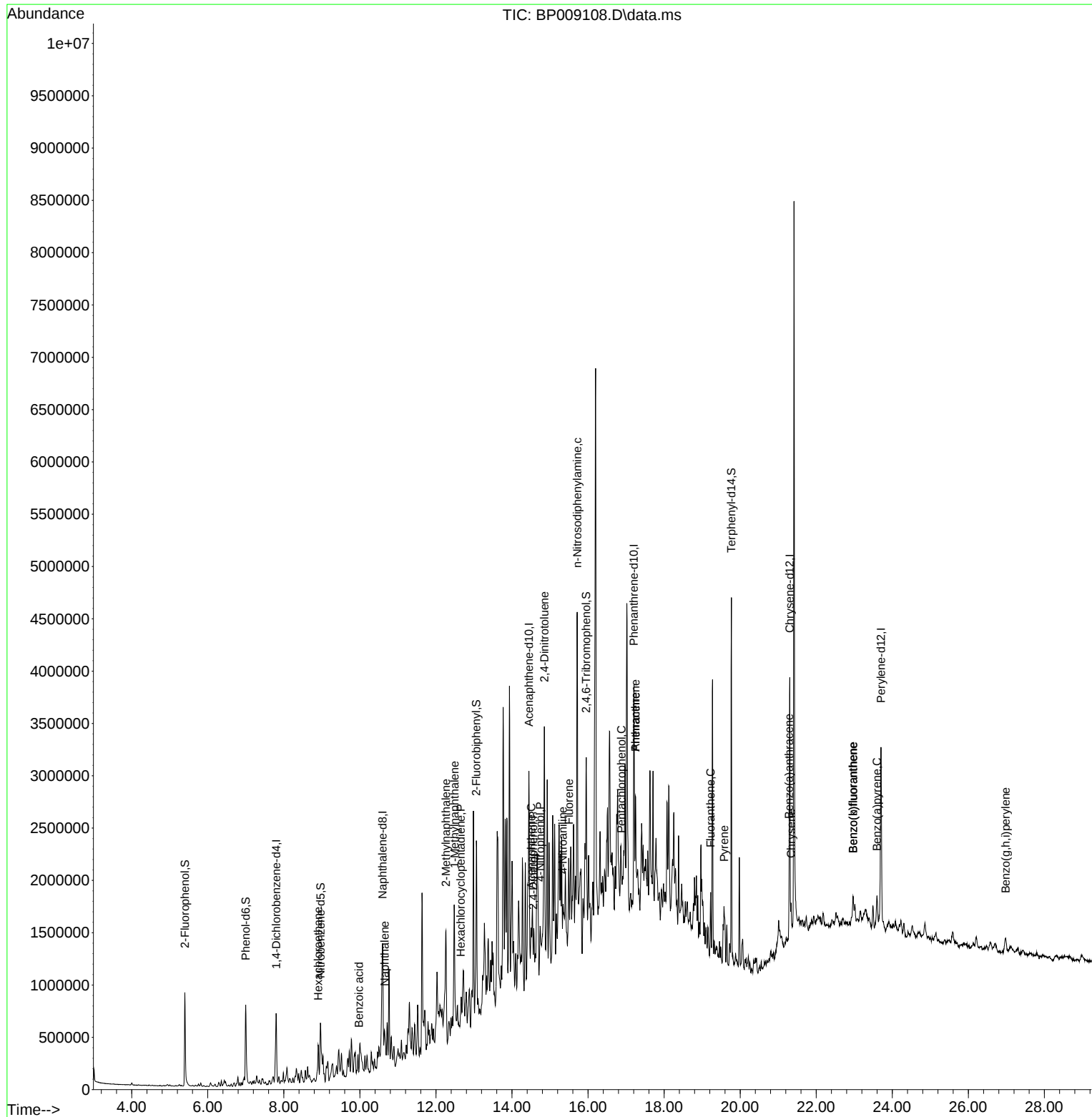
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.799	152	207194	20.000	ng	0.00
21) Naphthalene-d8	10.598	136	811943	20.000	ng	0.00
39) Acenaphthene-d10	14.445	164	514908	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	1152022	20.000	ng	0.00
76) Chrysene-d12	21.304	240	1215832	20.000	ng	0.00
86) Perylene-d12	23.704	264	1374542	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	470185	40.480	ng	0.00
7) Phenol-d6	6.999	99	598429	39.100	ng	0.01
23) Nitrobenzene-d5	8.963	82	360997	25.073	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	320152	46.568	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	955319	25.972	ng	0.00
79) Terphenyl-d14	19.769	244	1590549	23.526	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	8.904	117	22223	4.335	ng	# 1
31) Naphthalene	10.651	128	99999	2.415	ng	# 86
32) Benzoic acid	9.975	122	286	2.727	ng	# 1
37) 2-Methylnaphthalene	12.263	142	468108	15.974	ng	96
38) 1-Methylnaphthalene	12.487	142	552109	19.281	ng	97
41) Hexachlorocyclopentadiene	12.657	237	11	8.657	ng	92
52) Acenaphthene	14.510	154	70697	2.564	ng	# 92
54) 2,4-Dinitrophenol	14.557	184	647	2.368	ng	# 1
56) 4-Nitrophenol	14.739	139	12918	4.167	ng	# 15
57) 2,4-Dinitrotoluene	14.851	165	36493	3.650	ng	# 61
58) Fluorene	15.498	166	144870	4.059	ng	# 85
62) 4-Nitroaniline	15.334	138	22668	2.879	ng	82
66) n-Nitrosodiphenylamine	15.716	169	320414	9.171	ng	# 49
70) Pentachlorophenol	16.880	266	17215	2.186	ng	99
71) Phenanthrene	17.245	178	576779	9.246	ng	97
72) Anthracene	17.245	178	576779	9.451	ng	95
75) Fluoranthene	19.222	202	324155	4.637	ng	97
78) Pyrene	19.574	202	375205	4.338	ng	97
81) Benzo(a)anthracene	21.286	228	167724	2.141	ng	# 94
83) Chrysene	21.339	228	172810	2.288	ng	# 95
88) Benzo(b)fluoranthene	22.974	252	302922	3.580	ng	# 79
89) Benzo(k)fluoranthene	22.974	252	302922	3.588	ng	# 80
90) Benzo(a)pyrene	23.598	252	172123	2.440	ng	# 87
92) Benzo(g,h,i)perylene	26.980	276	208300	2.493	ng	# 93

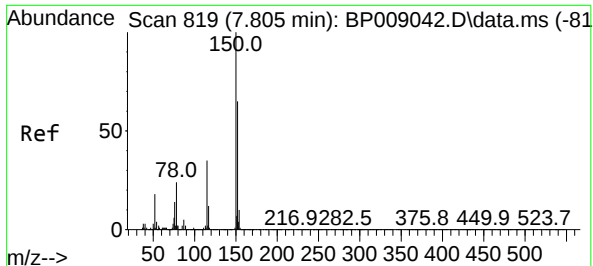
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021022\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 07 15:13:17 2022
Response via : Initial Calibration

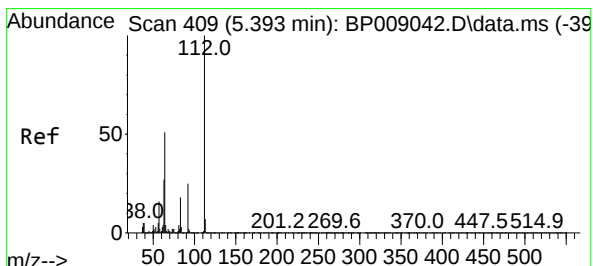
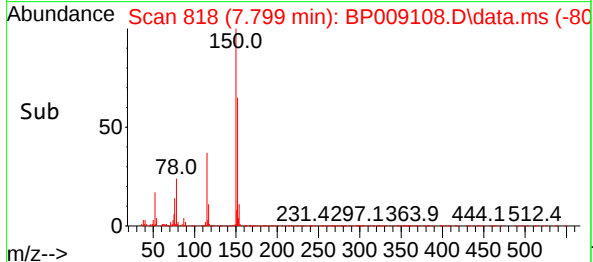
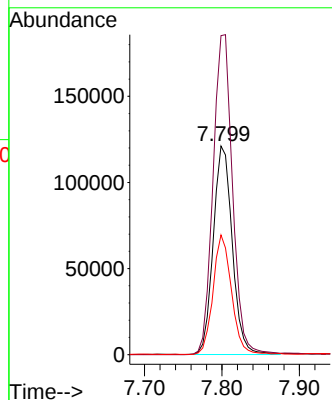
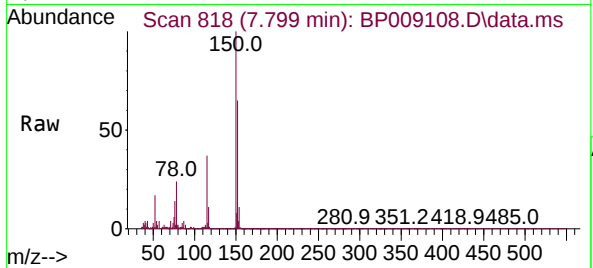




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.799 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP009108.D
Acq: 10 Feb 2022 20:03

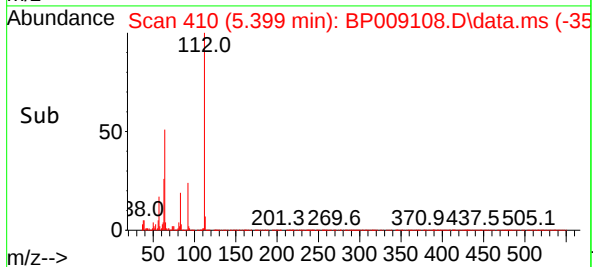
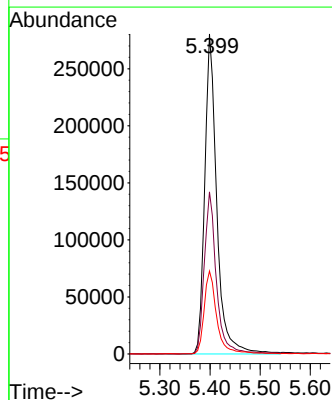
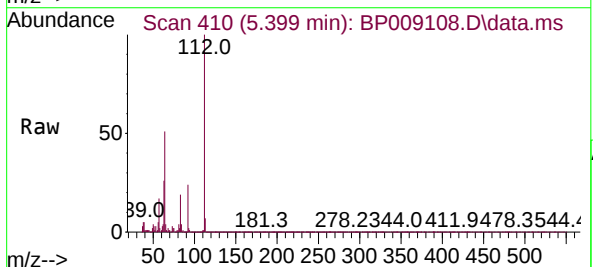
Instrument :
BNA_P
ClientSampleId :
TP-2

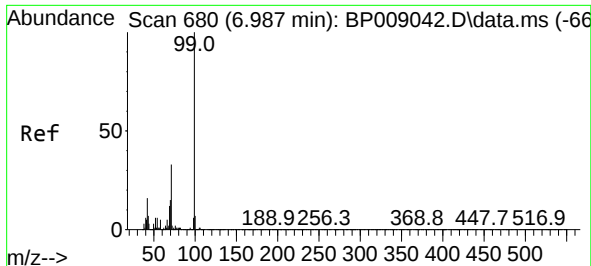
Tgt Ion:152 Resp: 207194
Ion Ratio Lower Upper
152 100
150 152.9 127.0 190.6
115 57.3 43.7 65.5



#5
2-Fluorophenol
Concen: 40.480 ng
RT: 5.399 min Scan# 410
Delta R.T. 0.006 min
Lab File: BP009108.D
Acq: 10 Feb 2022 20:03

Tgt Ion:112 Resp: 470185
Ion Ratio Lower Upper
112 100
64 50.7 39.7 59.5
63 25.9 20.0 30.0

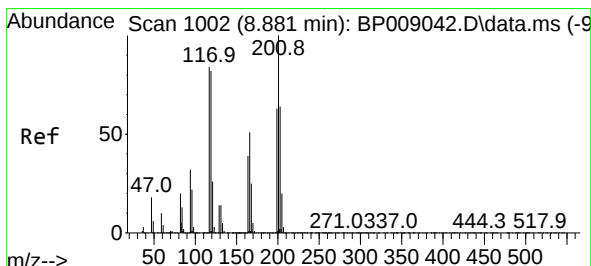
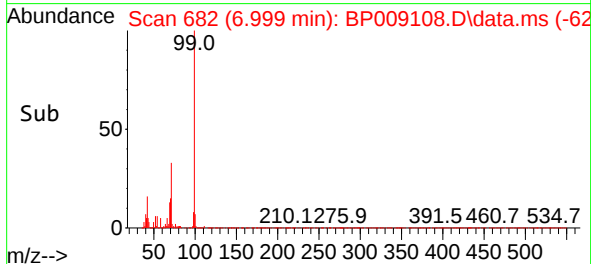
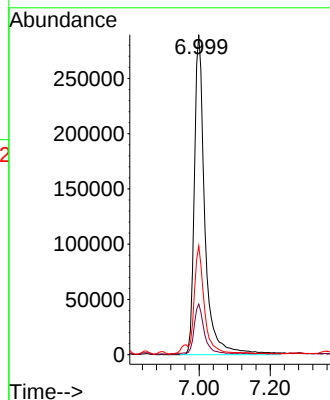
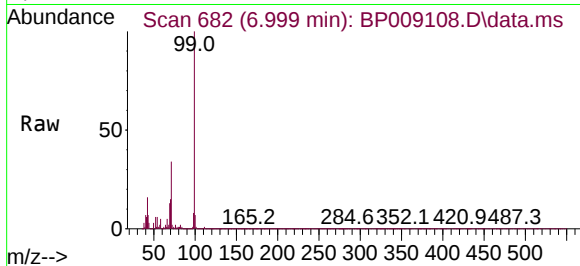




#7
Phenol-d6
Concen: 39.100 ng
RT: 6.999 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP009108.D
Acq: 10 Feb 2022 20:03

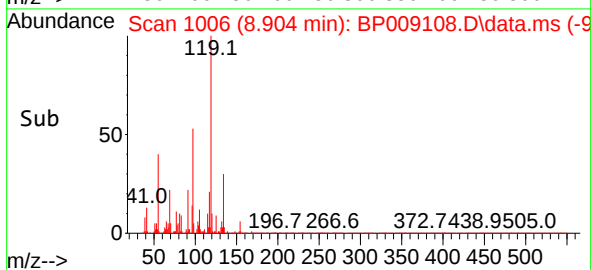
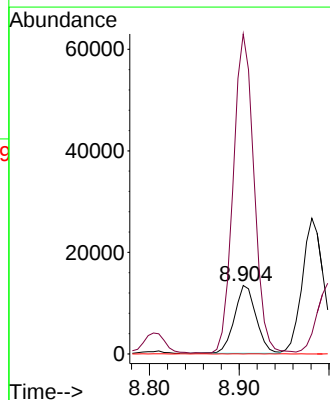
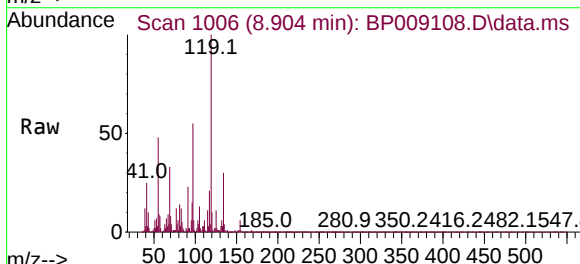
Instrument :
BNA_P
ClientSampleId :
TP-2

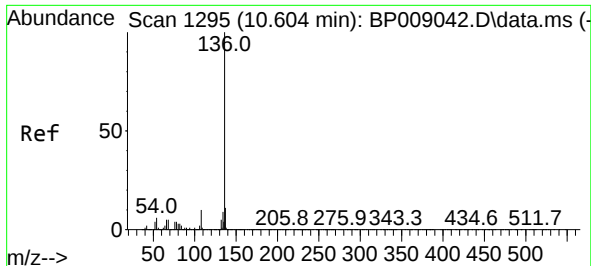
Tgt Ion: 99 Resp: 598429
Ion Ratio Lower Upper
99 100
42 15.8 10.8 16.2
71 34.0 23.8 35.6



#18
Hexachloroethane
Concen: 4.335 ng
RT: 8.904 min Scan# 1006
Delta R.T. 0.023 min
Lab File: BP009108.D
Acq: 10 Feb 2022 20:03

Tgt Ion: 117 Resp: 22223
Ion Ratio Lower Upper
117 100
119 467.0 76.9 115.3#
201 0.1 93.7 140.5#



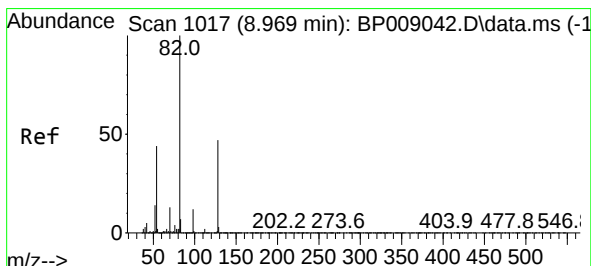
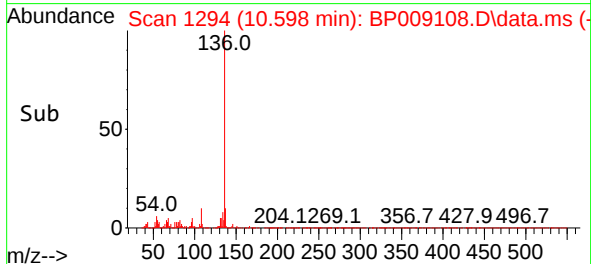
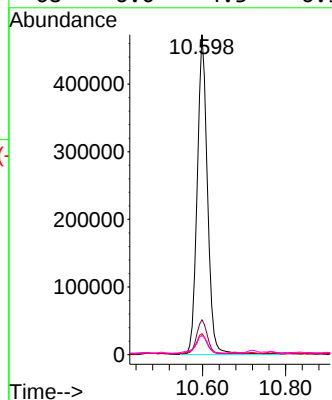
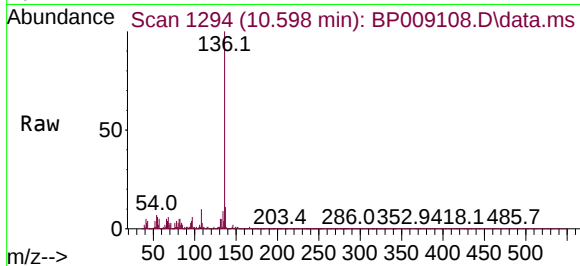


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.598 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BP009108.D
Acq: 10 Feb 2022 20:03

Instrument :
BNA_P
ClientSampleId :
TP-2

Tgt Ion: 136 Resp: 811943

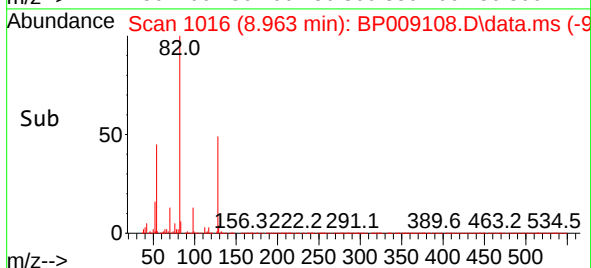
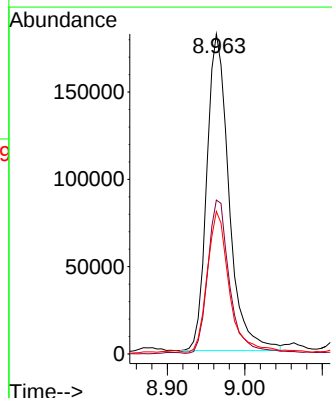
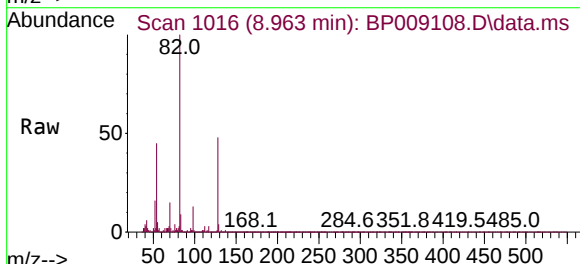
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	6.6	4.9	7.3
68	6.0	4.3	6.5

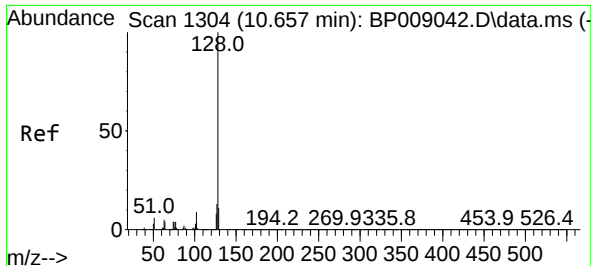


#23
Nitrobenzene-d5
Concen: 25.073 ng
RT: 8.963 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BP009108.D
Acq: 10 Feb 2022 20:03

Tgt Ion: 82 Resp: 360997

Ion	Ratio	Lower	Upper
82	100		
128	48.1	39.4	59.2
54	44.6	32.6	48.8





#31
Naphthalene
Concen: 2.415 ng
RT: 10.651 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BP009108.D
Acq: 10 Feb 2022 20:03

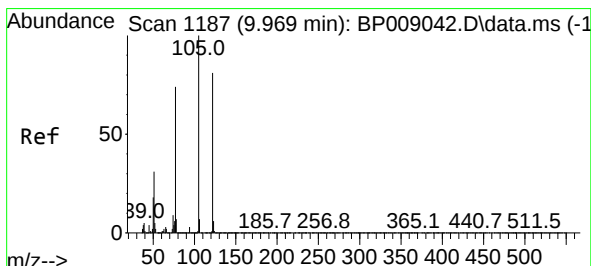
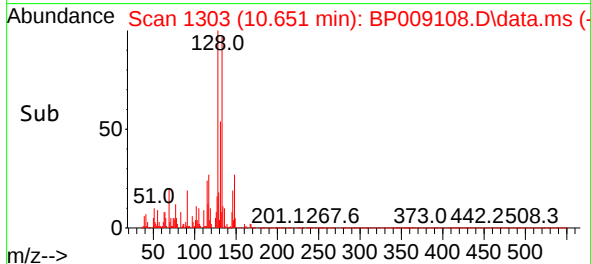
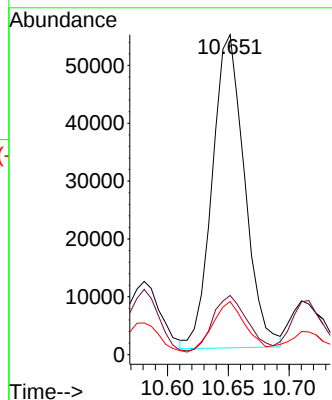
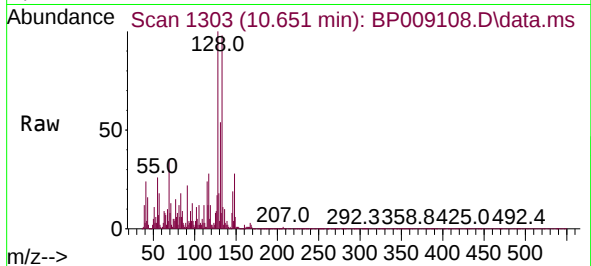
Instrument :

BNA_P

ClientSampleId :

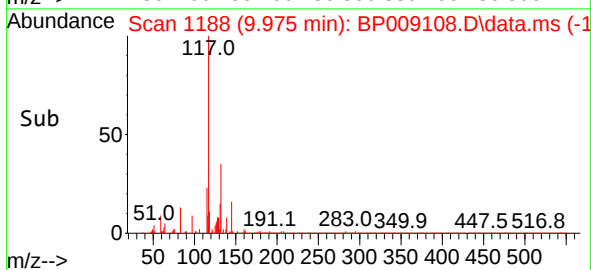
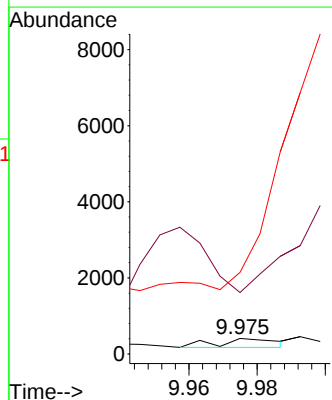
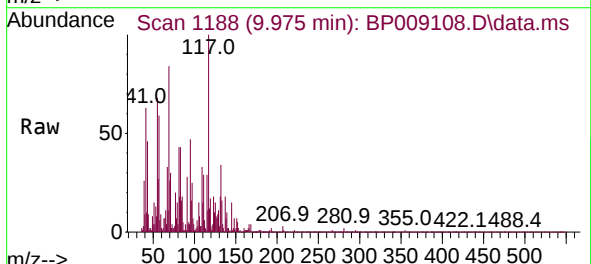
TP-2

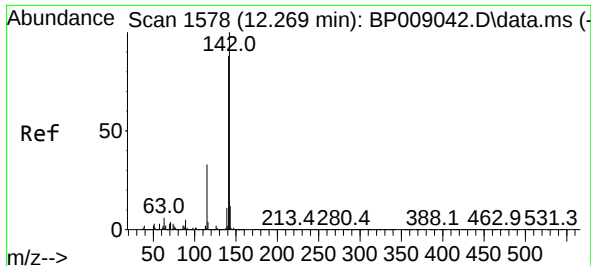
Tgt Ion:128 Resp: 99999
Ion Ratio Lower Upper
128 100
129 18.5 8.8 13.2#
127 16.6 10.4 15.6#



#32
Benzoic acid
Concen: 2.727 ng
RT: 9.975 min Scan# 1188
Delta R.T. 0.006 min
Lab File: BP009108.D
Acq: 10 Feb 2022 20:03

Tgt Ion:122 Resp: 286
Ion Ratio Lower Upper
122 100
105 396.3 100.1 140.1#
77 525.7 65.5 105.5#

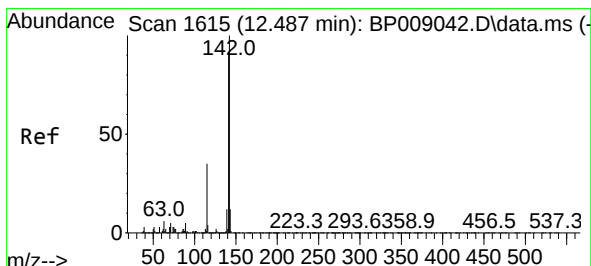
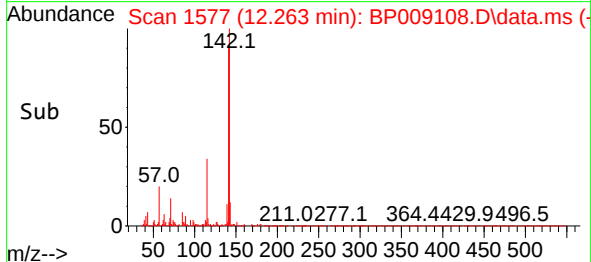
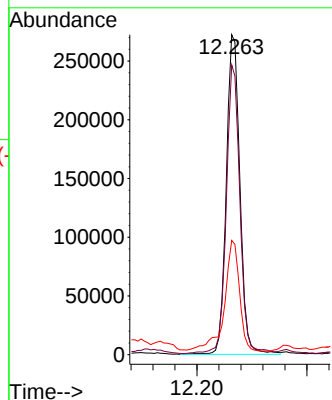
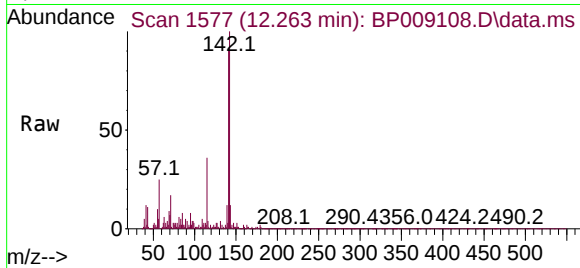




#37
2-Methylnaphthalene
Concen: 15.974 ng
RT: 12.263 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BP009108.D
Acq: 10 Feb 2022 20:03

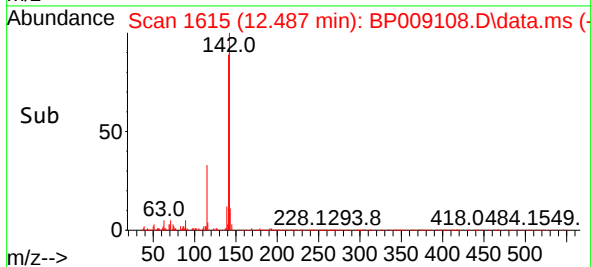
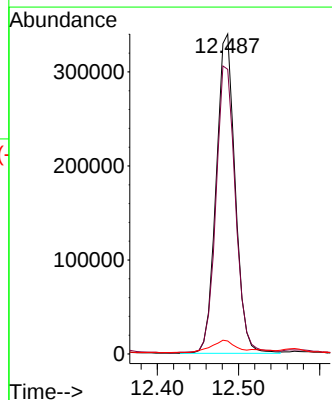
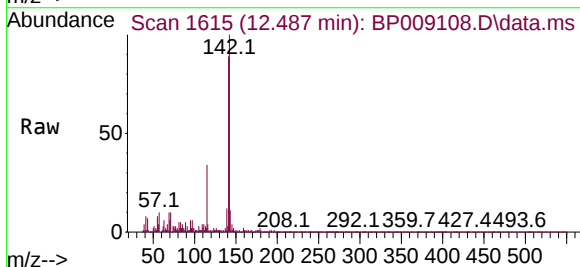
Instrument :
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ClientSampleId :
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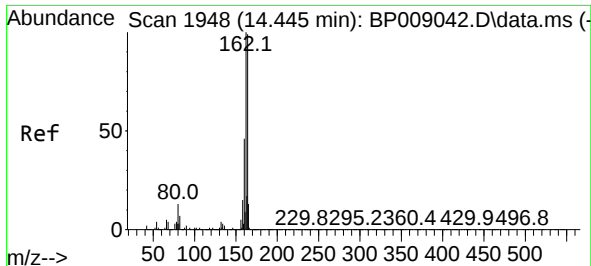
Tgt Ion:142 Resp: 468108
Ion Ratio Lower Upper
142 100
141 90.6 70.5 105.7
115 35.7 24.6 36.8



#38
1-Methylnaphthalene
Concen: 19.281 ng
RT: 12.487 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BP009108.D
Acq: 10 Feb 2022 20:03

Tgt Ion:142 Resp: 552109
Ion Ratio Lower Upper
142 100
141 88.9 73.2 109.8
116 4.1 2.7 4.1

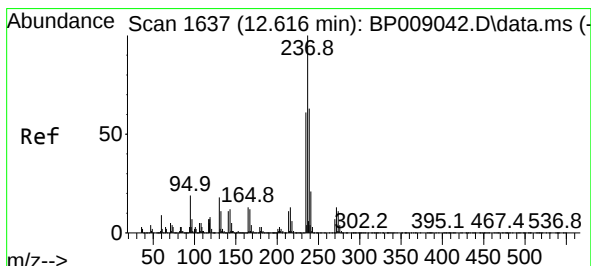
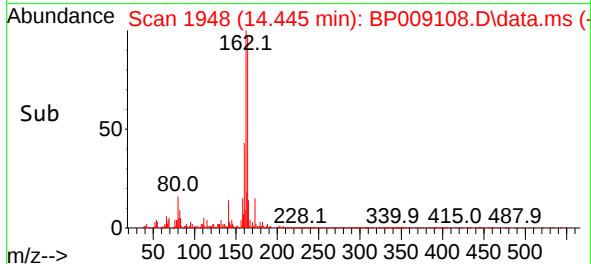
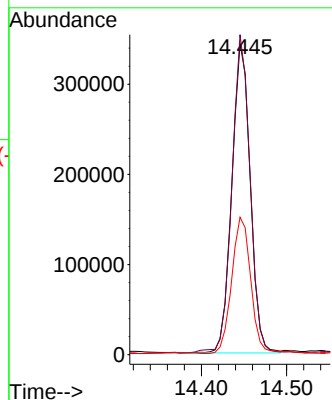
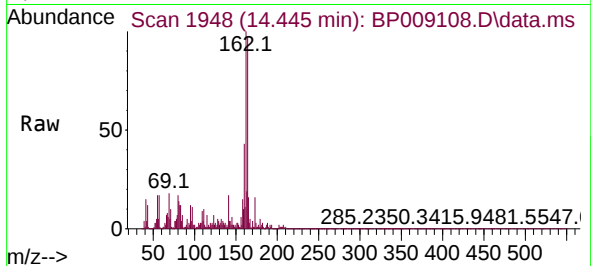




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BP009108.D
Acq: 10 Feb 2022 20:03

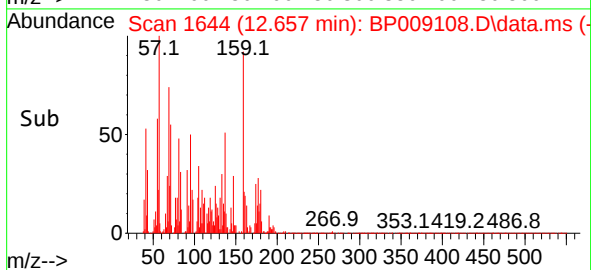
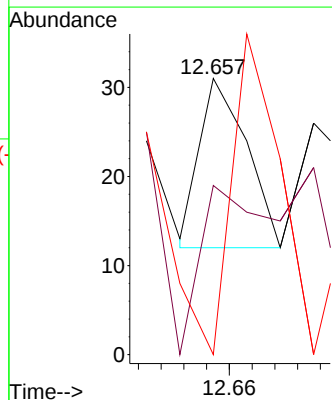
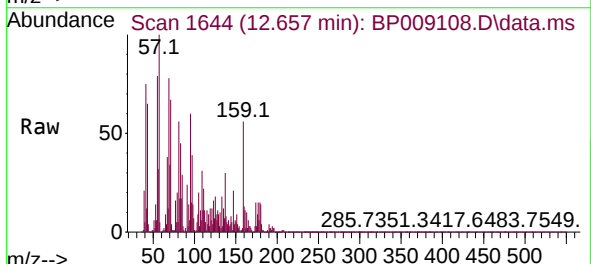
Instrument :
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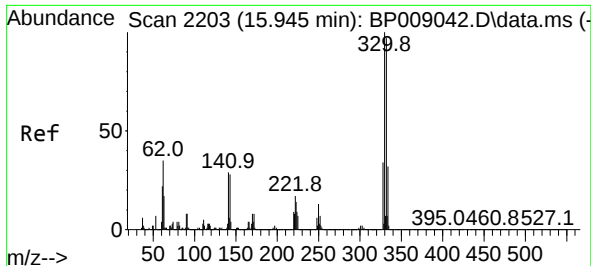
Tgt Ion:	164	Resp:	514908
Ion	Ratio	Lower	Upper
164	100		
162	102.9	79.9	119.9
160	44.2	35.5	53.3



#41
Hexachlorocyclopentadiene
Concen: 8.657 ng
RT: 12.657 min Scan# 1644
Delta R.T. 0.041 min
Lab File: BP009108.D
Acq: 10 Feb 2022 20:03

Tgt Ion:	237	Resp:	11
Ion	Ratio	Lower	Upper
237	100		
235	61.3	42.9	82.9
272	0.0	0.0	33.8

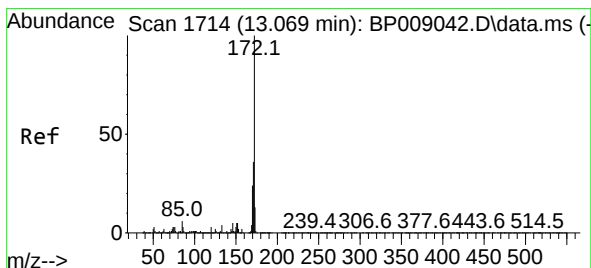
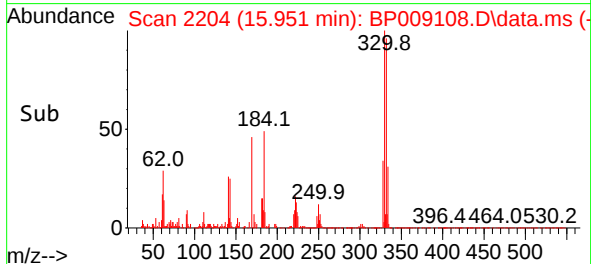
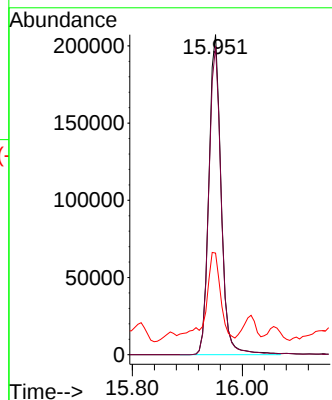
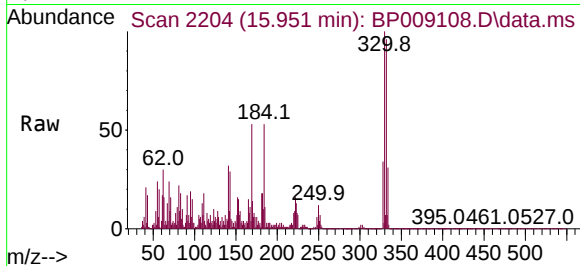




#42
2,4,6-Tribromophenol
Concen: 46.568 ng
RT: 15.951 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP009108.D
Acq: 10 Feb 2022 20:03

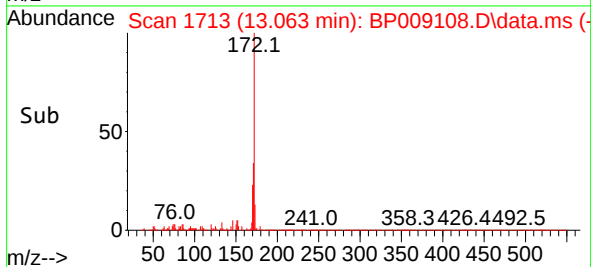
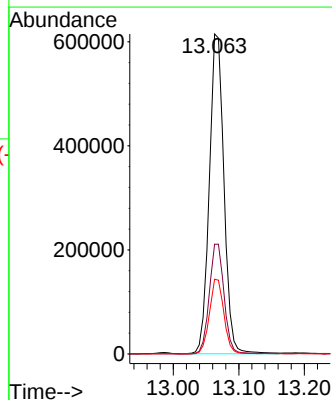
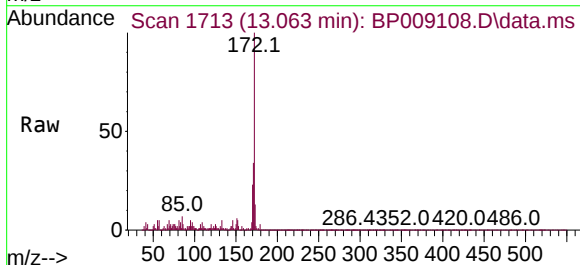
Instrument :
BNA_P
ClientSampleId :
TP-2

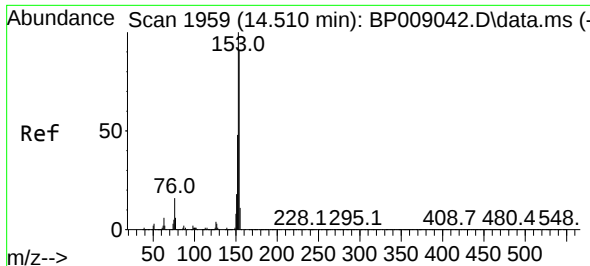
Tgt Ion:330 Resp: 320152
Ion Ratio Lower Upper
330 100
332 97.0 77.0 115.4
141 30.1 21.3 31.9



#45
2-Fluorobiphenyl
Concen: 25.972 ng
RT: 13.063 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP009108.D
Acq: 10 Feb 2022 20:03

Tgt Ion:172 Resp: 955319
Ion Ratio Lower Upper
172 100
171 34.3 29.3 43.9
170 23.3 19.5 29.3

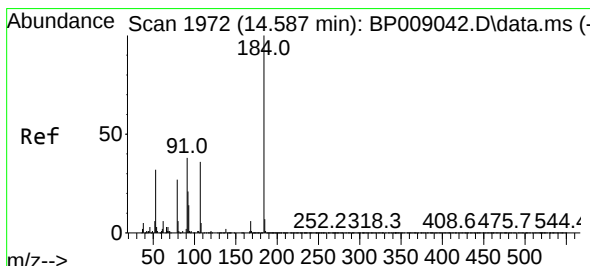
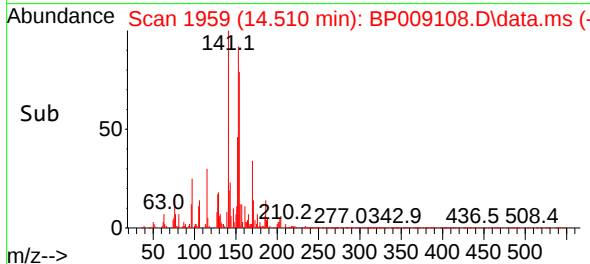
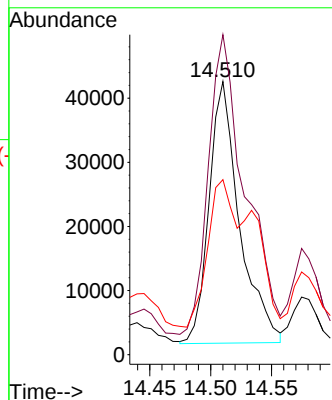
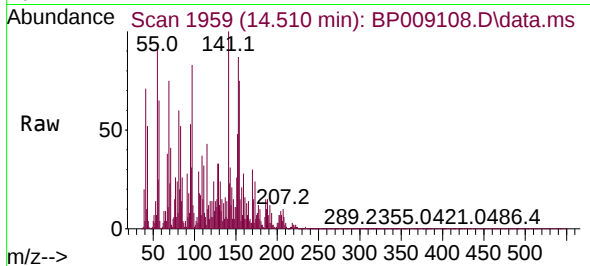




#52
Acenaphthene
Concen: 2.564 ng
RT: 14.510 min Scan# 1959
Delta R.T. -0.000 min
Lab File: BP009108.D
Acq: 10 Feb 2022 20:03

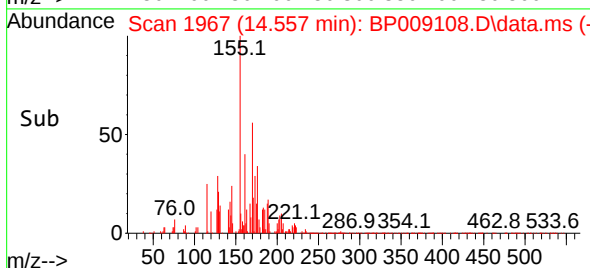
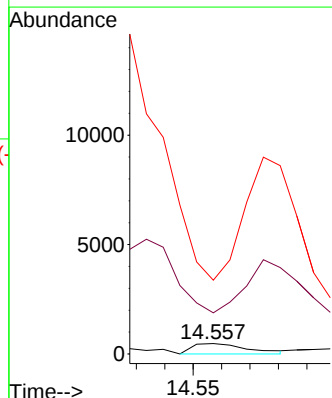
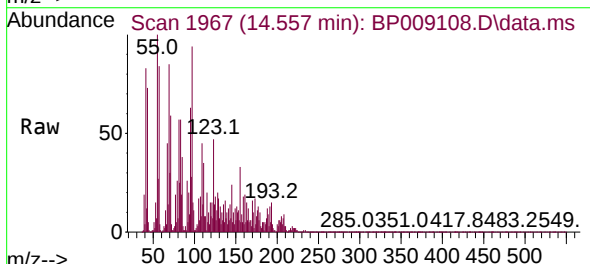
Instrument :
BNA_P
ClientSampleId :
TP-2

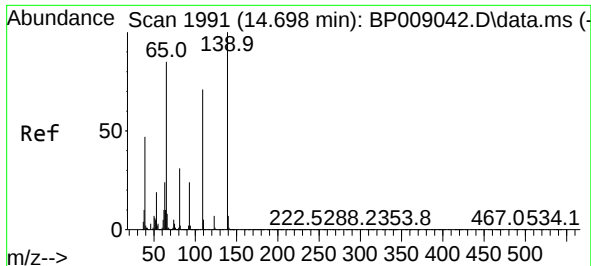
Tgt Ion:154 Resp: 70697
Ion Ratio Lower Upper
154 100
153 117.2 89.4 134.2
152 64.1 42.6 63.8#



#54
2,4-Dinitrophenol
Concen: 2.368 ng
RT: 14.557 min Scan# 1967
Delta R.T. -0.030 min
Lab File: BP009108.D
Acq: 10 Feb 2022 20:03

Tgt Ion:184 Resp: 647
Ion Ratio Lower Upper
184 100
63 396.6 35.6 53.4#
154 711.4 43.4 65.0#

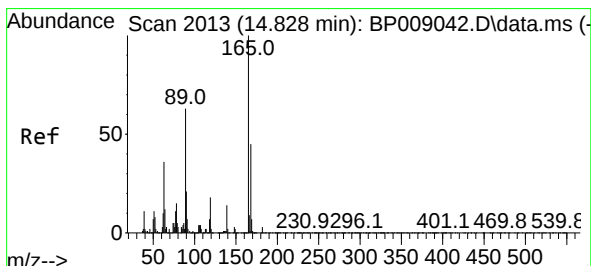
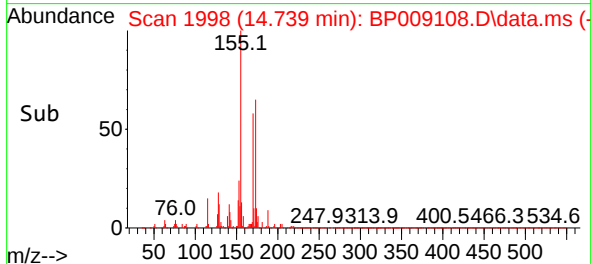
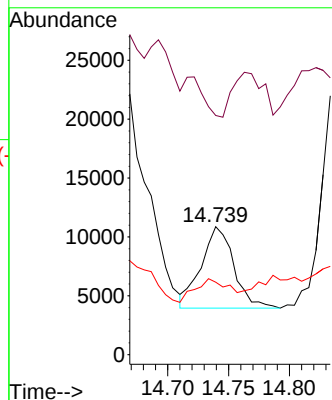
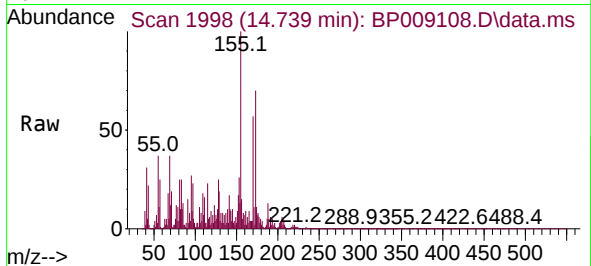




#56
4-Nitrophenol
Concen: 4.167 ng
RT: 14.739 min Scan# 1991
Delta R.T. 0.041 min
Lab File: BP009108.D
Acq: 10 Feb 2022 20:03

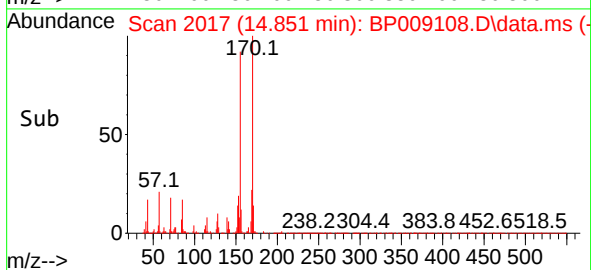
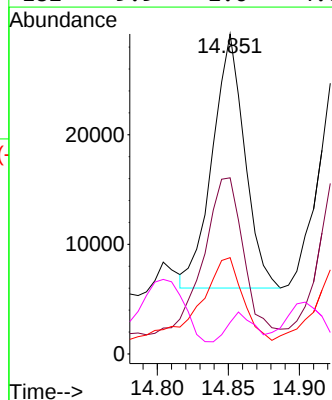
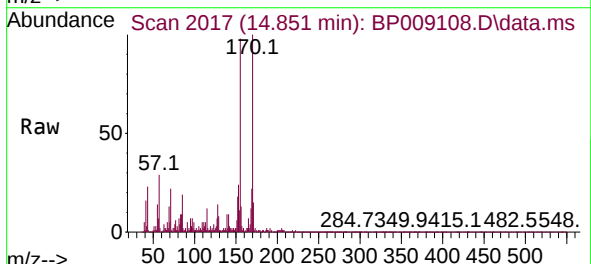
Instrument :
BNA_P
ClientSampleId :
TP-2

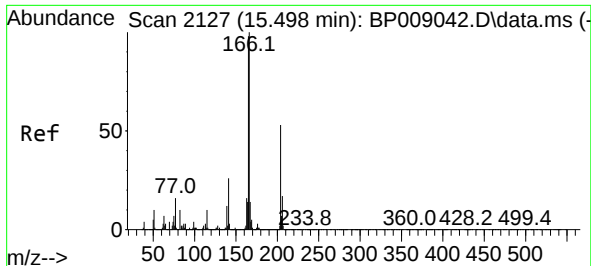
Tgt Ion:139 Resp: 12918
Ion Ratio Lower Upper
139 100
109 186.8 42.2 82.2#
65 56.6 57.3 97.3#



#57
2,4-Dinitrotoluene
Concen: 3.650 ng
RT: 14.851 min Scan# 2017
Delta R.T. 0.023 min
Lab File: BP009108.D
Acq: 10 Feb 2022 20:03

Tgt Ion:165 Resp: 36493
Ion Ratio Lower Upper
165 100
63 55.0 23.3 34.9#
89 30.1 44.2 66.4#
182 9.9 2.6 4.0#

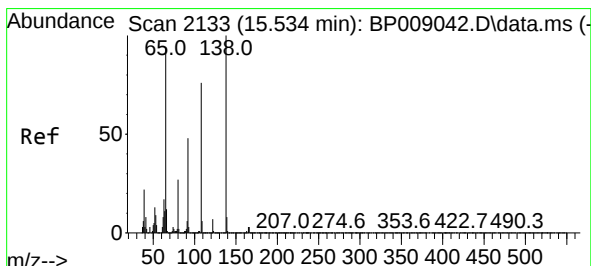
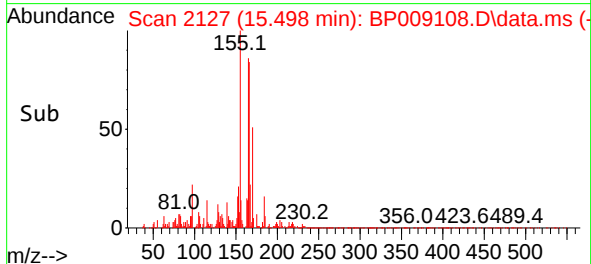
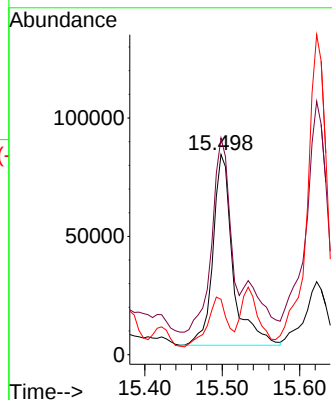
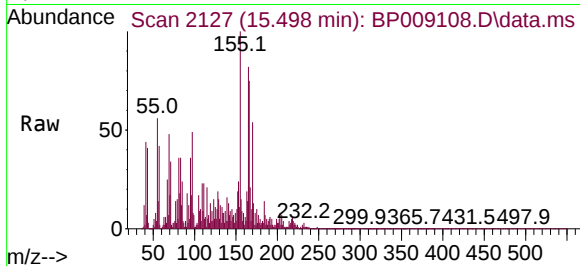




#58
 Fluorene
 Concen: 4.059 ng
 RT: 15.498 min Scan# 2127
 Delta R.T. -0.000 min
 Lab File: BP009108.D
 Acq: 10 Feb 2022 20:03

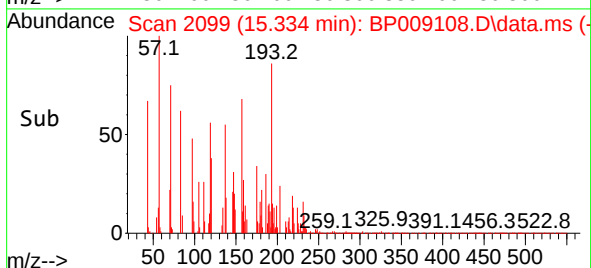
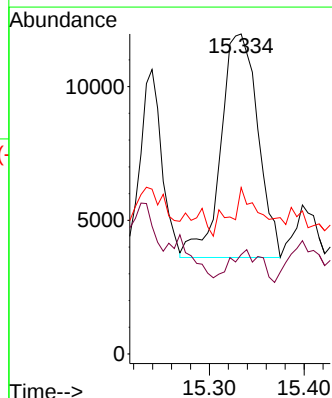
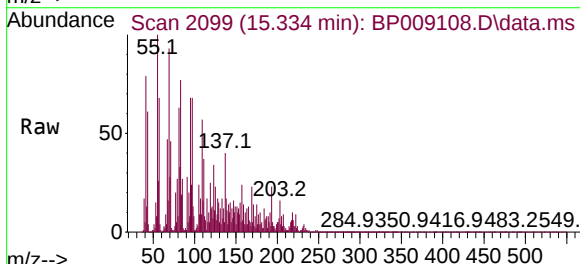
Instrument :
 BNA_P
 ClientSampleId :
 TP-2

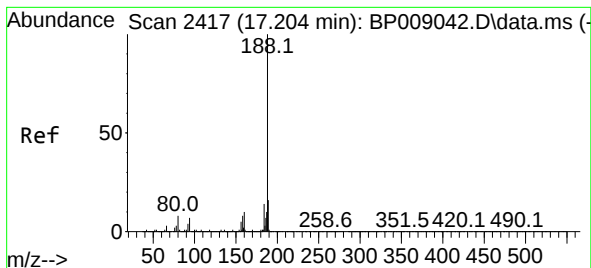
Tgt Ion:166 Resp: 144870
 Ion Ratio Lower Upper
 166 100
 165 108.3 77.2 115.8
 167 27.7 11.2 16.8#



#62
 4-Nitroaniline
 Concen: 2.879 ng
 RT: 15.334 min Scan# 2099
 Delta R.T. -0.200 min
 Lab File: BP009108.D
 Acq: 10 Feb 2022 20:03

Tgt Ion:138 Resp: 22668
 Ion Ratio Lower Upper
 138 100
 92 31.1 24.3 64.3
 108 52.0 44.8 84.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.204 min Scan# 2417

Delta R.T. -0.000 min

Lab File: BP009108.D

Acq: 10 Feb 2022 20:03

Instrument :

BNA_P

ClientSampleId :

TP-2

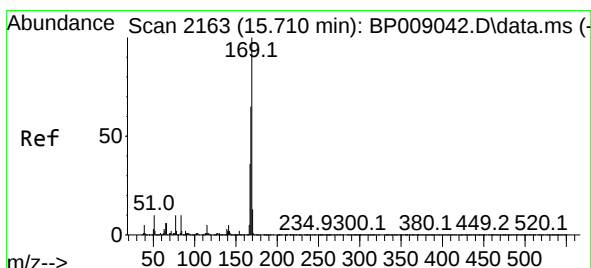
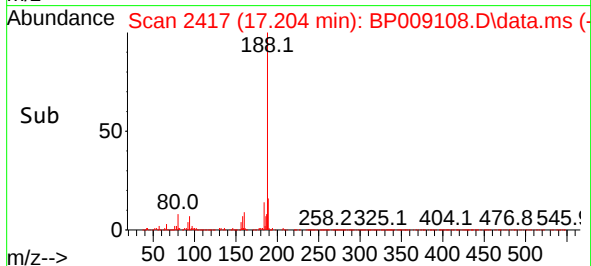
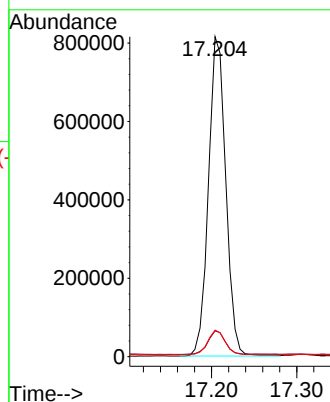
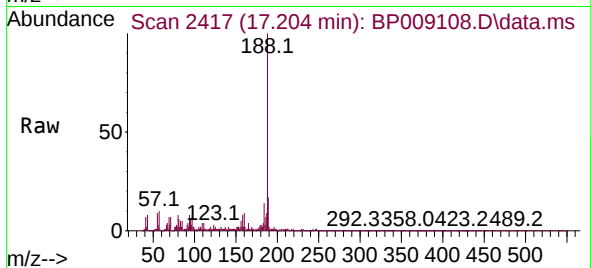
Tgt Ion:188 Resp: 1152022

Ion Ratio Lower Upper

188 100

94 8.1 6.8 10.2

80 8.3 7.2 10.8



#66

n-Nitrosodiphenylamine

Concen: 9.171 ng

RT: 15.716 min Scan# 2164

Delta R.T. 0.006 min

Lab File: BP009108.D

Acq: 10 Feb 2022 20:03

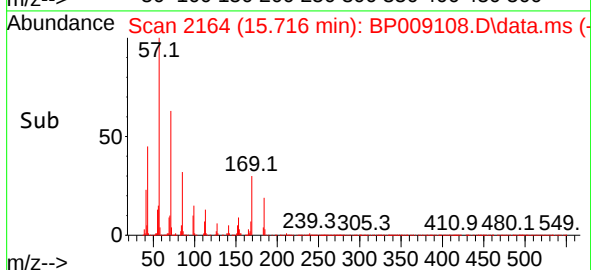
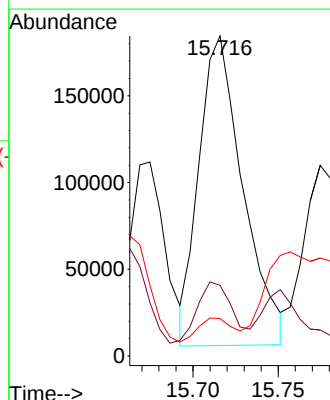
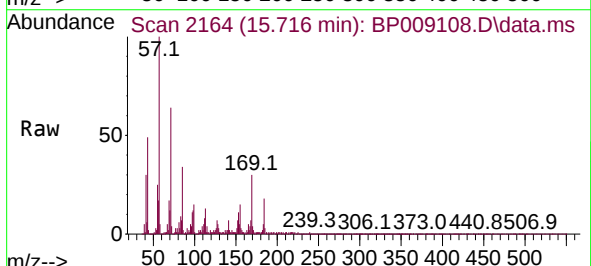
Tgt Ion:169 Resp: 320414

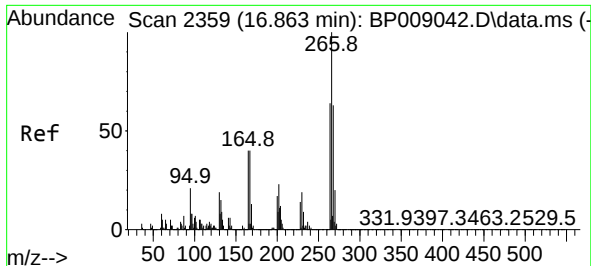
Ion Ratio Lower Upper

169 100

168 22.0 53.3 79.9#

167 11.7 29.0 43.6#

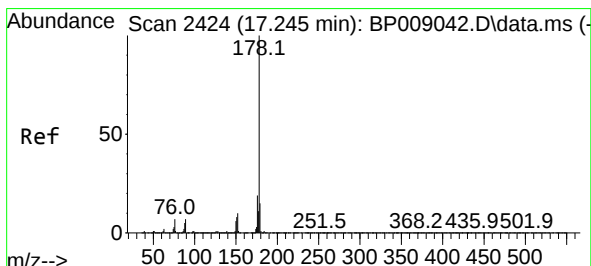
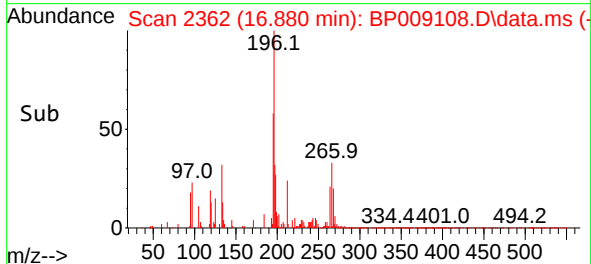
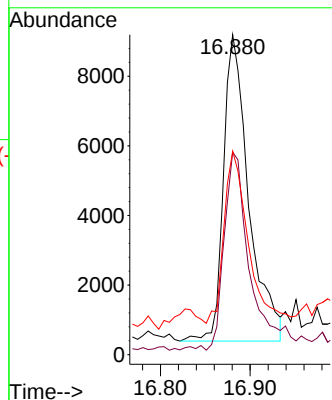
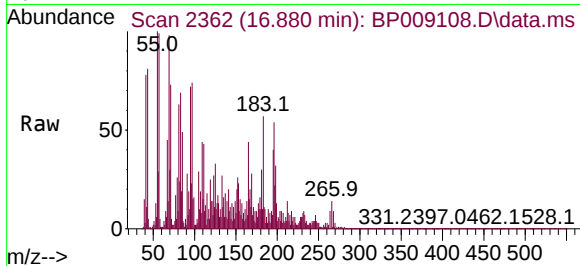




#70
Pentachlorophenol
Concen: 2.186 ng
RT: 16.880 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP009108.D
Acq: 10 Feb 2022 20:03

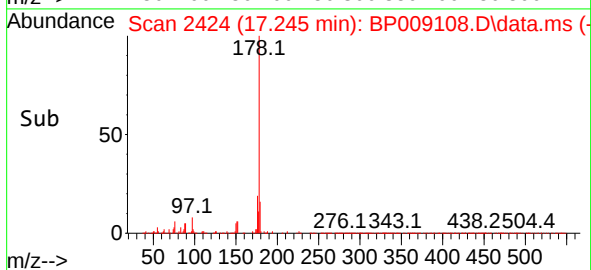
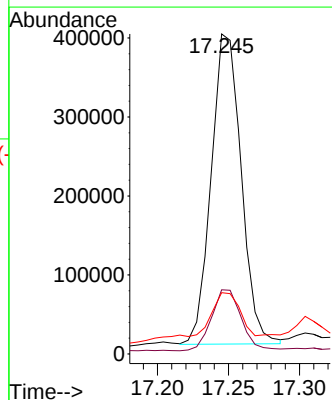
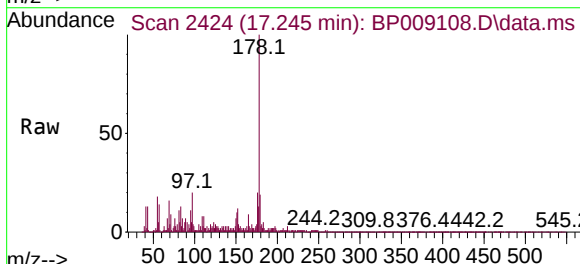
Instrument :
BNA_P
ClientSampleId :
TP-2

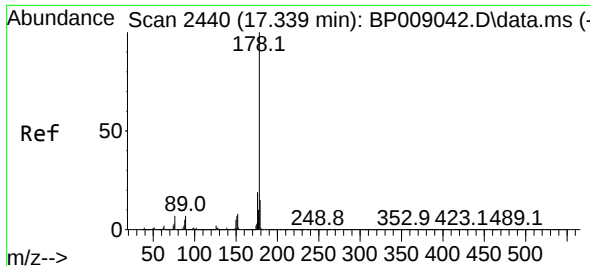
Tgt Ion:266 Resp: 17215
Ion Ratio Lower Upper
266 100
268 63.3 50.9 76.3
264 63.6 50.3 75.5



#71
Phenanthrene
Concen: 9.246 ng
RT: 17.245 min Scan# 2424
Delta R.T. -0.000 min
Lab File: BP009108.D
Acq: 10 Feb 2022 20:03

Tgt Ion:178 Resp: 576779
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 19.1 13.0 19.4

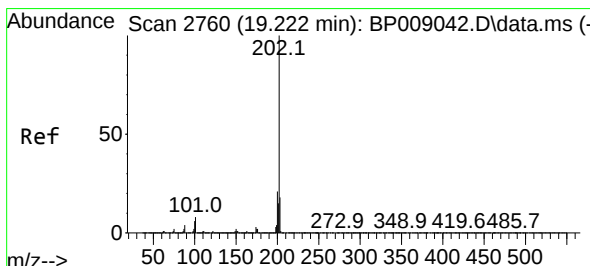
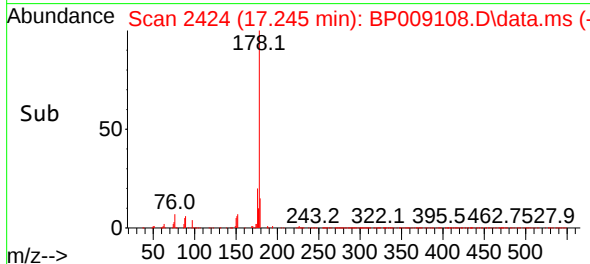
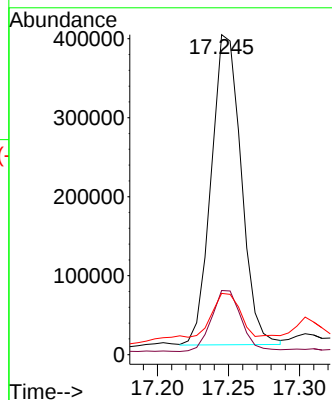
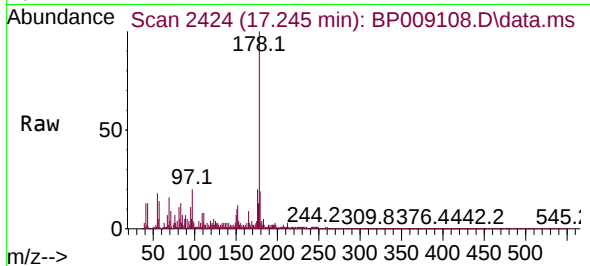




#72
 Anthracene
 Concen: 9.451 ng
 RT: 17.245 min Scan# 2440
 Delta R.T. -0.094 min
 Lab File: BP009108.D
 Acq: 10 Feb 2022 20:03

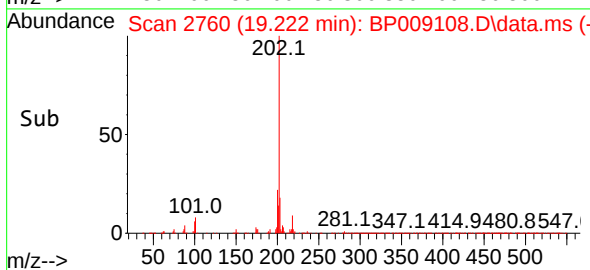
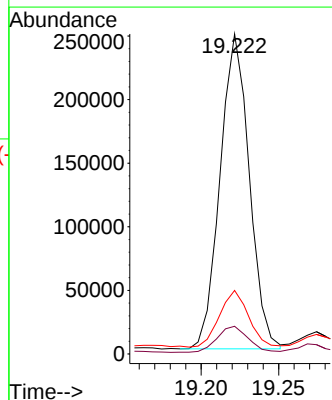
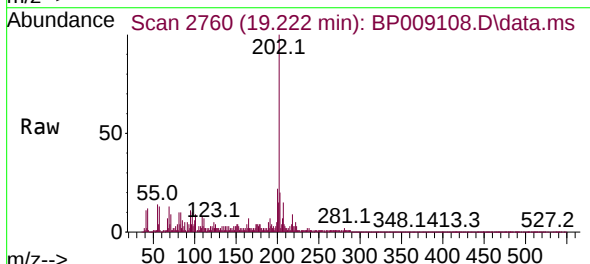
Instrument :
 BNA_P
 ClientSampleId :
 TP-2

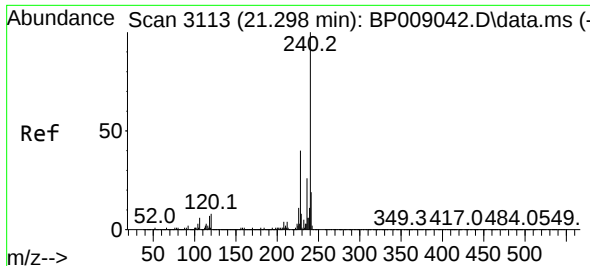
Tgt Ion:178 Resp: 576779
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.1 22.7
 179 19.1 12.8 19.2



#75
 Fluoranthene
 Concen: 4.637 ng
 RT: 19.222 min Scan# 2760
 Delta R.T. -0.000 min
 Lab File: BP009108.D
 Acq: 10 Feb 2022 20:03

Tgt Ion:202 Resp: 324155
 Ion Ratio Lower Upper
 202 100
 101 8.7 0.0 30.7
 203 19.8 0.0 38.9

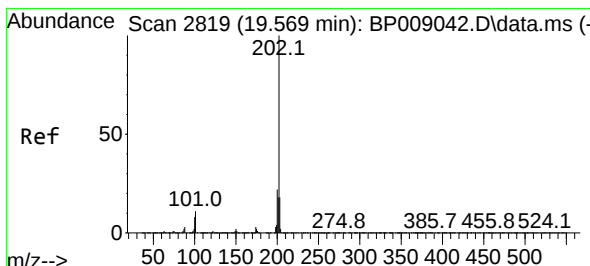
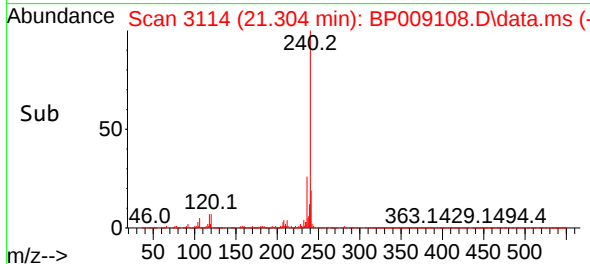
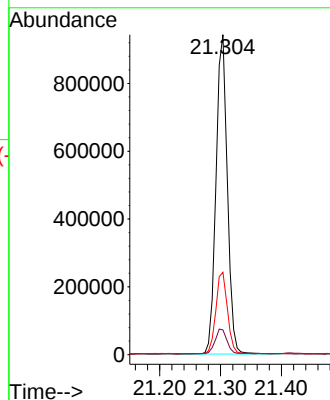
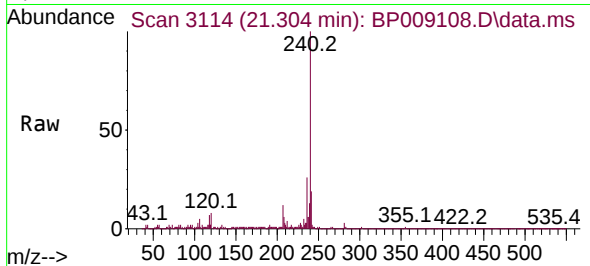




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.304 min Scan# 3113
Delta R.T. 0.006 min
Lab File: BP009108.D
Acq: 10 Feb 2022 20:03

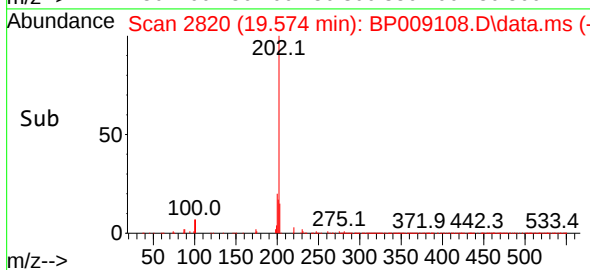
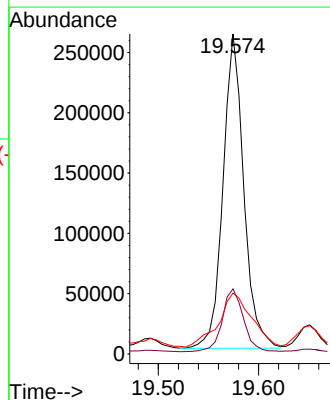
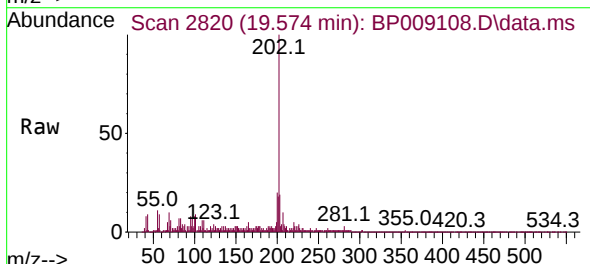
Instrument :
BNA_P
ClientSampleId :
TP-2

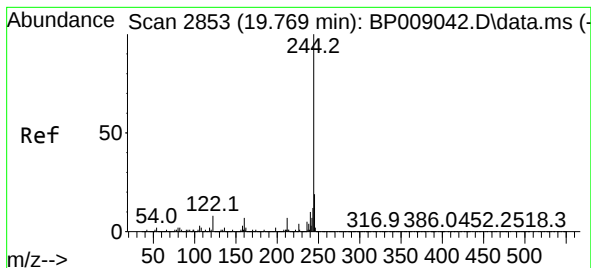
Tgt Ion:240 Resp: 1215832
Ion Ratio Lower Upper
240 100
120 7.8 7.7 11.5
236 25.7 21.2 31.8



#78
Pyrene
Concen: 4.338 ng
RT: 19.574 min Scan# 2820
Delta R.T. 0.006 min
Lab File: BP009108.D
Acq: 10 Feb 2022 20:03

Tgt Ion:202 Resp: 375205
Ion Ratio Lower Upper
202 100
200 20.4 18.0 27.0
203 19.0 15.0 22.6





#79

Terphenyl-d14

Concen: 23.526 ng

RT: 19.769 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP009108.D

Acq: 10 Feb 2022 20:03

Instrument :

BNA_P

ClientSampleId :

TP-2

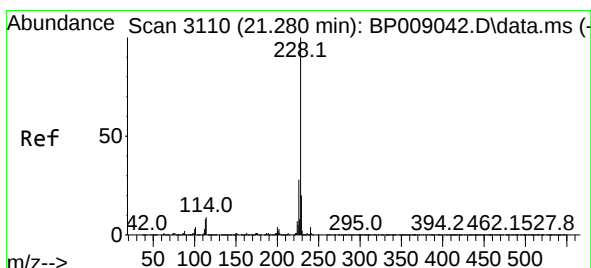
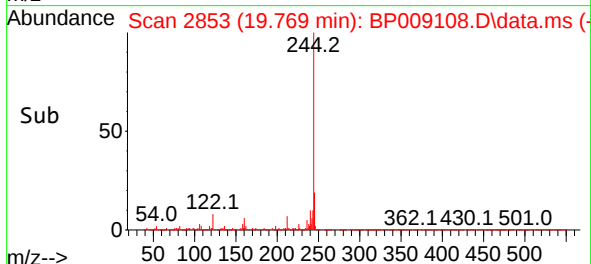
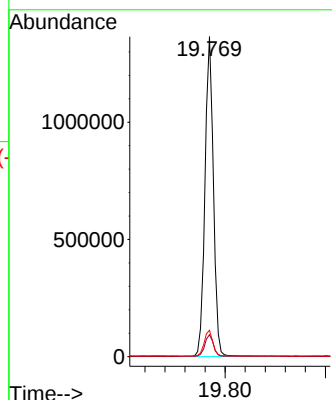
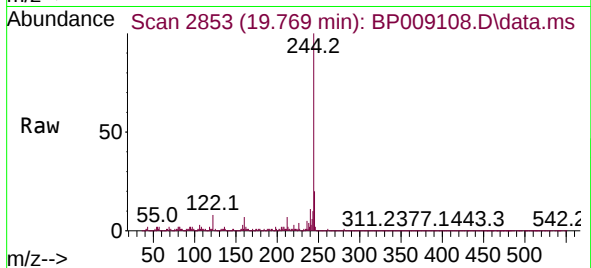
Tgt Ion:244 Resp: 1590549

Ion Ratio Lower Upper

244 100

212 6.9 6.5 9.7

122 8.3 9.2 13.8#



#81

Benzo(a)anthracene

Concen: 2.141 ng

RT: 21.286 min Scan# 3111

Delta R.T. 0.006 min

Lab File: BP009108.D

Acq: 10 Feb 2022 20:03

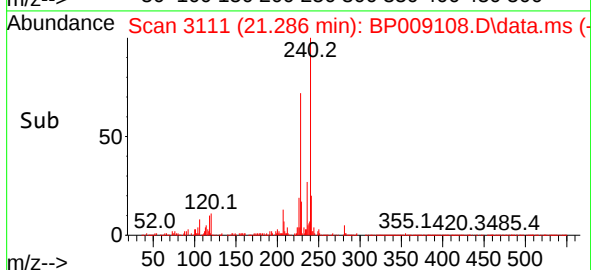
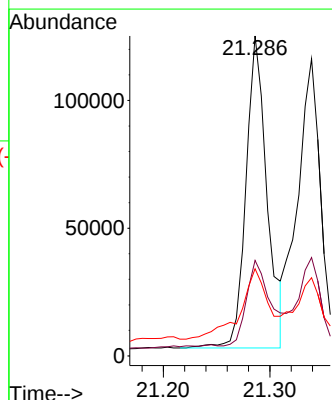
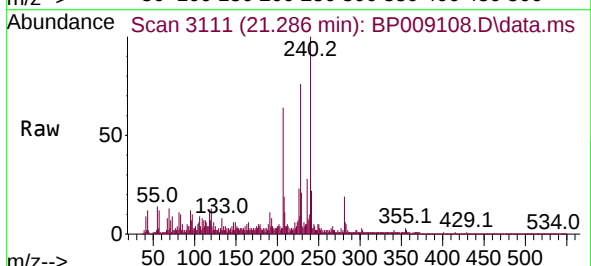
Tgt Ion:228 Resp: 167724

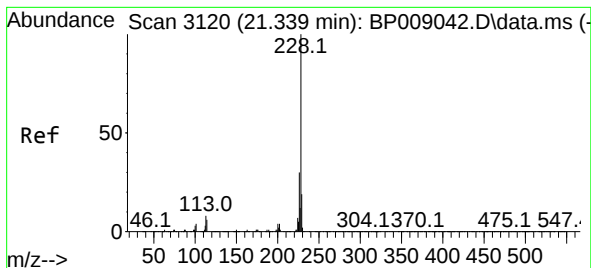
Ion Ratio Lower Upper

228 100

226 29.8 23.3 34.9

229 27.2 17.0 25.6#





#83

Chrysene

Concen: 2.288 ng

RT: 21.339 min Scan# 3120

Delta R.T. -0.000 min

Lab File: BP009108.D

Acq: 10 Feb 2022 20:03

Instrument :

BNA_P

ClientSampleId :

TP-2

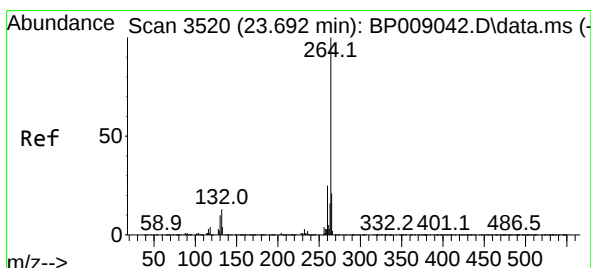
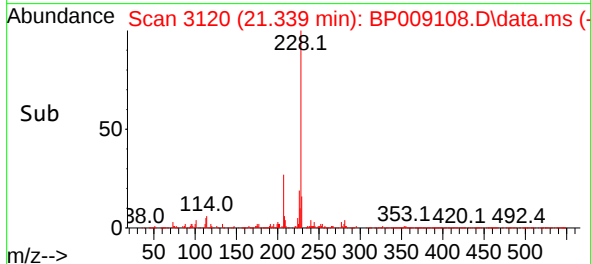
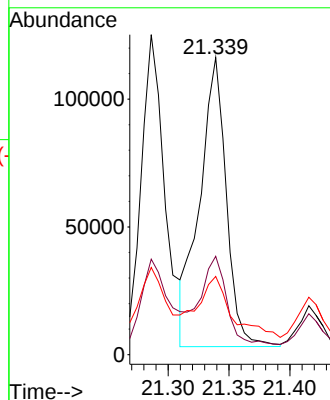
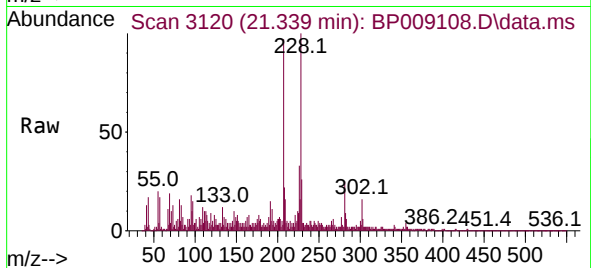
Tgt Ion:228 Resp: 172810

Ion Ratio Lower Upper

228 100

226 33.1 26.0 39.0

229 26.3 16.9 25.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.704 min Scan# 3522

Delta R.T. 0.012 min

Lab File: BP009108.D

Acq: 10 Feb 2022 20:03

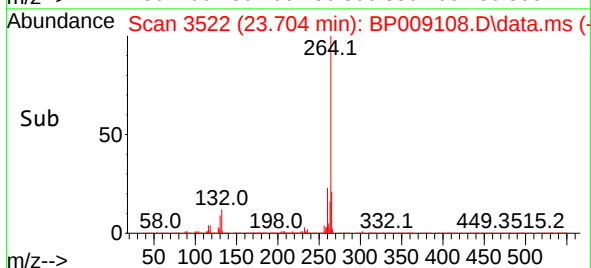
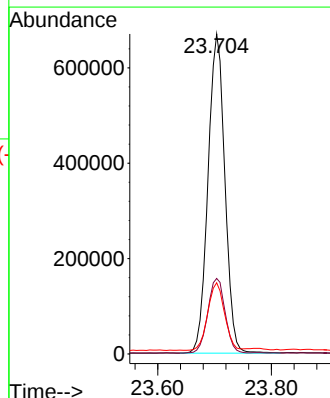
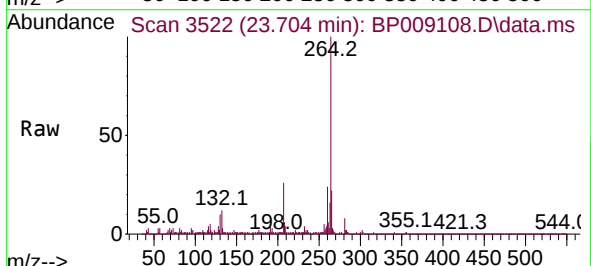
Tgt Ion:264 Resp: 1374542

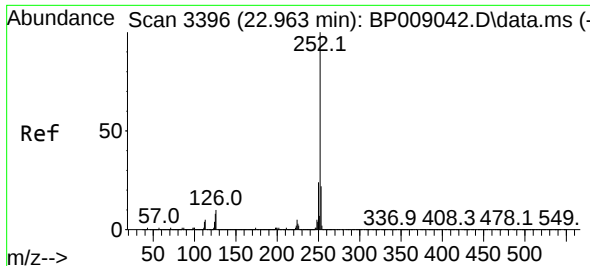
Ion Ratio Lower Upper

264 100

260 23.6 19.1 28.7

265 22.3 17.1 25.7

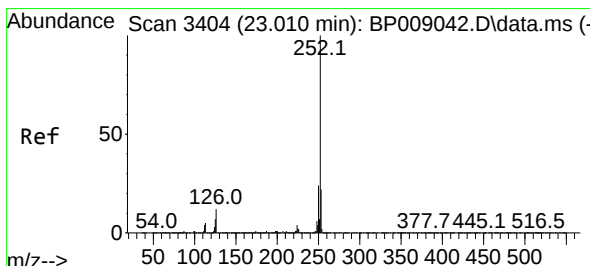
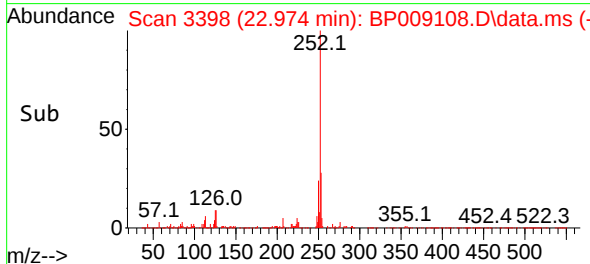
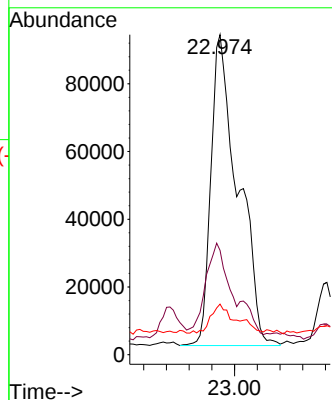
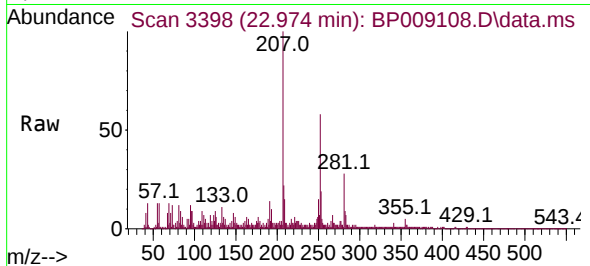




#88
Benzo(b)fluoranthene
Concen: 3.580 ng
RT: 22.974 min Scan# 3396
Delta R.T. 0.012 min
Lab File: BP009108.D
Acq: 10 Feb 2022 20:03

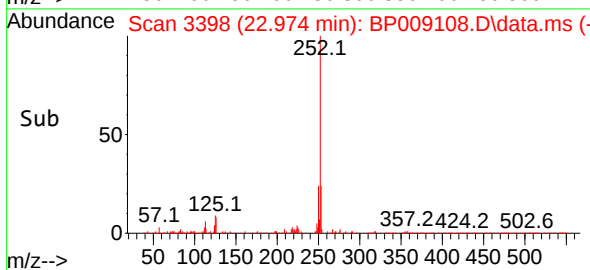
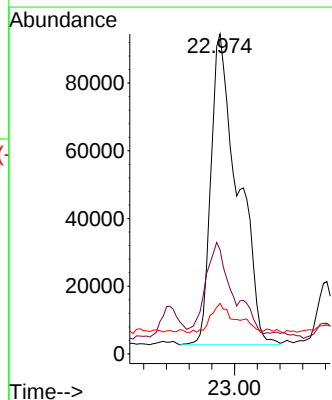
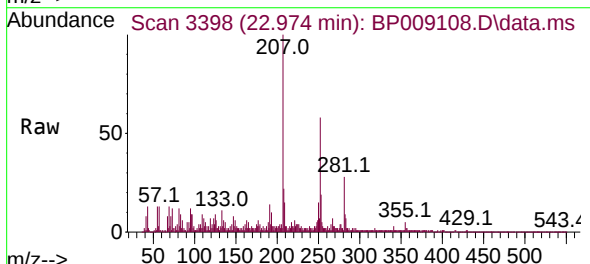
Instrument :
BNA_P
ClientSampleId :
TP-2

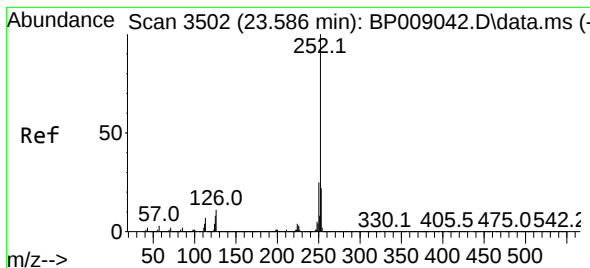
Tgt Ion:252 Resp: 302922
Ion Ratio Lower Upper
252 100
253 32.6 18.0 27.0#
125 15.8 6.9 10.3#



#89
Benzo(k)fluoranthene
Concen: 3.588 ng
RT: 22.974 min Scan# 3398
Delta R.T. -0.035 min
Lab File: BP009108.D
Acq: 10 Feb 2022 20:03

Tgt Ion:252 Resp: 302922
Ion Ratio Lower Upper
252 100
253 32.6 18.2 27.2#
125 15.8 7.3 10.9#





#90

Benzo(a)pyrene

Concen: 2.440 ng

RT: 23.598 min Scan# 3

Delta R.T. 0.012 min

Lab File: BP009108.D

Acq: 10 Feb 2022 20:03

Instrument :

BNA_P

ClientSampleId :

TP-2

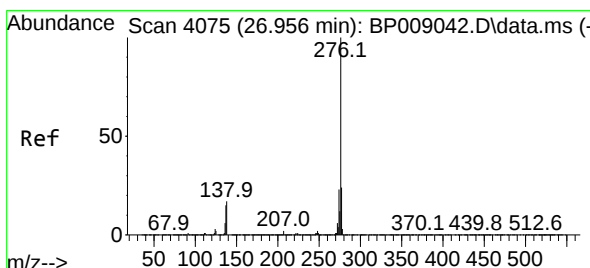
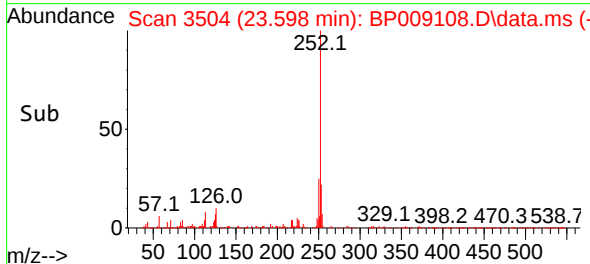
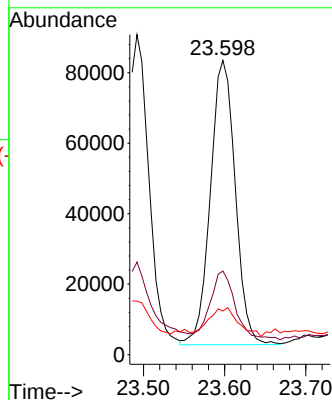
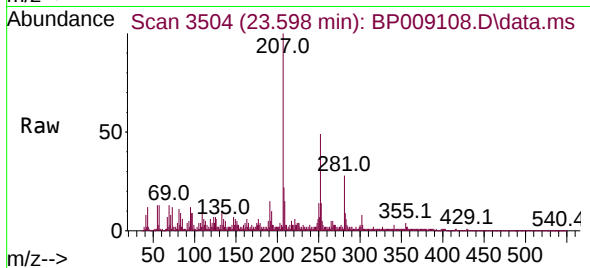
Tgt Ion:252 Resp: 172123

Ion Ratio Lower Upper

252 100

253 28.4 17.8 26.8#

125 14.8 7.8 11.6#



#92

Benzo(g,h,i)perylene

Concen: 2.493 ng

RT: 26.980 min Scan# 4079

Delta R.T. 0.023 min

Lab File: BP009108.D

Acq: 10 Feb 2022 20:03

Tgt Ion:276 Resp: 208300

Ion Ratio Lower Upper

276 100

277 30.4 19.2 28.8#

138 18.4 15.0 22.4

