

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032122\
 Data File : BP009469.D
 Acq On : 21 Mar 2022 14:23
 Operator : CG/JU
 Sample : N1983-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 124035

Quant Time: Mar 21 15:05:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 17 18:26:53 2022
 Response via : Initial Calibration

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

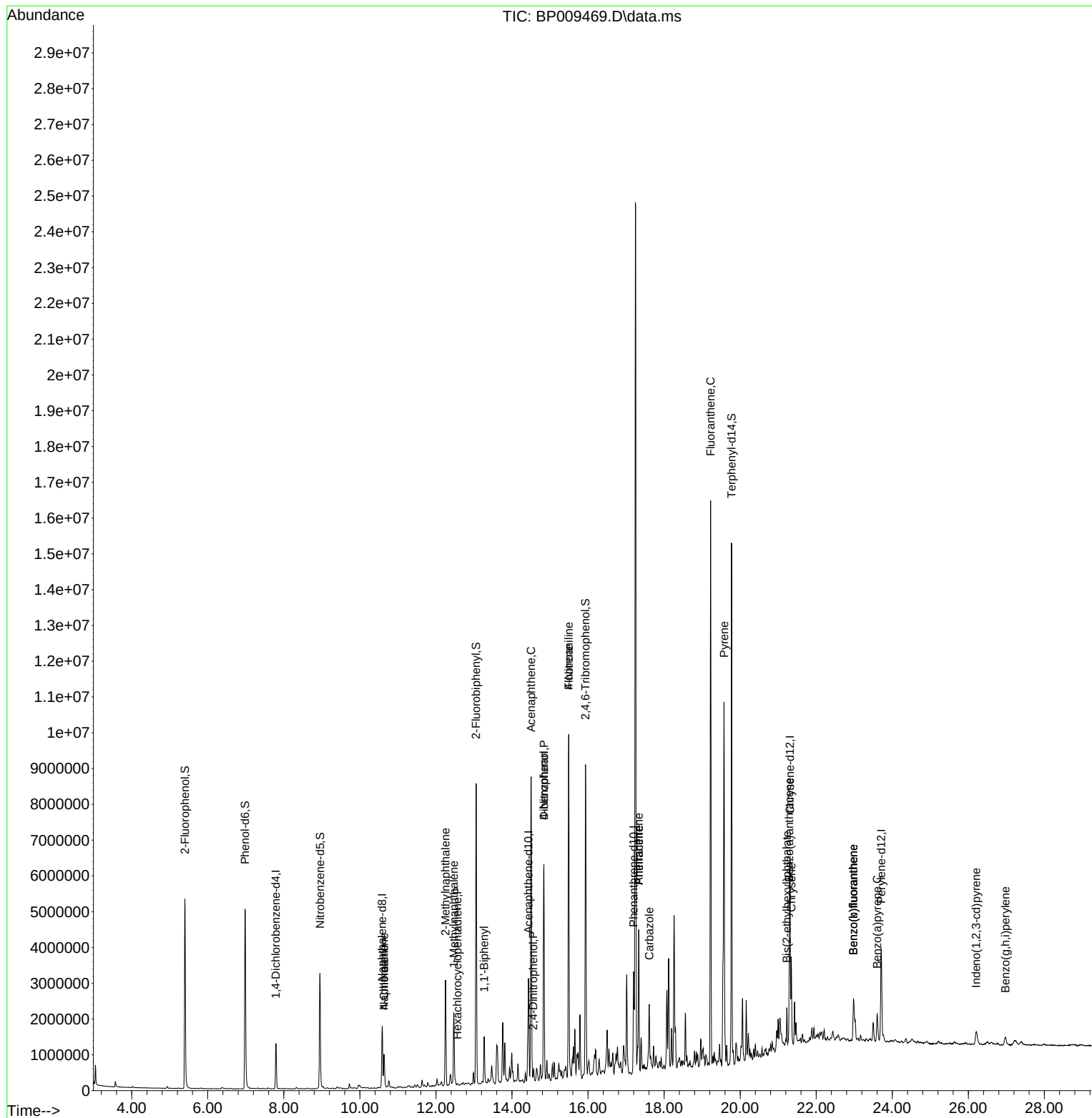
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	386516	20.000	ng	0.00
21) Naphthalene-d8	10.587	136	1569383	20.000	ng	0.00
39) Acenaphthene-d10	14.434	164	995515	20.000	ng	-0.01
64) Phenanthrene-d10	17.198	188	2005345	20.000	ng	0.00
76) Chrysene-d12	21.310	240	2030005	20.000	ng	0.00
86) Perylene-d12	23.710	264	2192694	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	2799110	126.439	ng	0.00
7) Phenol-d6	6.981	99	3592111	119.983	ng	-0.01
23) Nitrobenzene-d5	8.952	82	2225788	75.367	ng	0.00
42) 2,4,6-Tribromophenol	15.934	330	1551987	94.474	ng	-0.01
45) 2-Fluorobiphenyl	13.057	172	4712690	65.626	ng	0.00
79) Terphenyl-d14	19.775	244	7388741	65.330	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.981	77	8530	Below Cal	#	15
31) Naphthalene	10.634	128	855576	10.584	ng	99
33) 4-Chloroaniline	10.634	127	107749	3.266	ng	# 35
37) 2-Methylnaphthalene	12.251	142	1510358	26.629	ng	99
38) 1-Methylnaphthalene	12.469	142	1063481	19.247	ng	99
41) Hexachlorocyclopentadiene	12.563	237	61	7.292	ng	81
46) 1,1'-Biphenyl	13.269	154	640137	8.620	ng	98
52) Acenaphthene	14.504	154	3403788	63.128	ng	100
54) 2,4-Dinitrophenol	14.557	184	152	4.547	ng	# 1
55) Dibenzofuran	14.839	168	4098525	45.246	ng	99
56) 4-Nitrophenol	14.839	139	1493359	120.010	ng	# 9
58) Fluorene	15.492	166	4526348	63.536	ng	98
62) 4-Nitroaniline	15.492	138	50992	2.909	ng	# 25
71) Phenanthrene	17.333	178	2630023	24.500	ng	98
72) Anthracene	17.333	178	2630023	24.815	ng	99
73) Carbazole	17.610	167	1193567	11.515	ng	100
75) Fluoranthene	19.222	202	9784390	75.288	ng	98
78) Pyrene	19.575	202	6602137	49.355	ng	99
81) Benzo(a)anthracene	21.292	228	1686265	12.644	ng	98
83) Chrysene	21.345	228	1507042	11.933	ng	97
84) Bis(2-ethylhexyl)phtha...	21.227	149	407978	5.148	ng	98
87) Indeno(1,2,3-cd)pyrene	26.204	276	347646	2.090	ng	94
88) Benzo(b)fluoranthene	22.980	252	1118199	8.543	ng	98
89) Benzo(k)fluoranthene	22.980	252	1118199	8.725	ng	98
90) Benzo(a)pyrene	23.604	252	624334	5.575	ng	98
92) Benzo(g,h,i)perylene	26.974	276	329286	2.414	ng	97

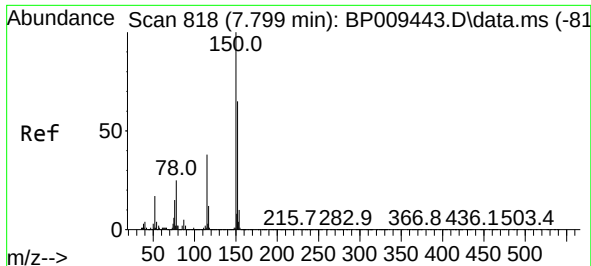
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032122\
Data File : BP009469.D
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ALS Vial : 6 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 17 18:26:53 2022
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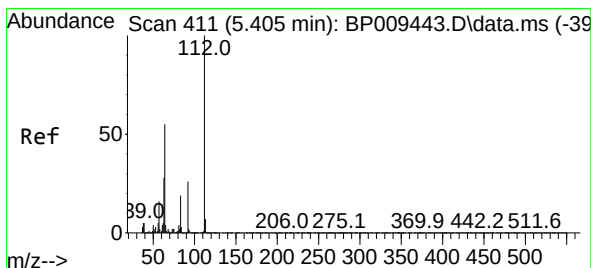
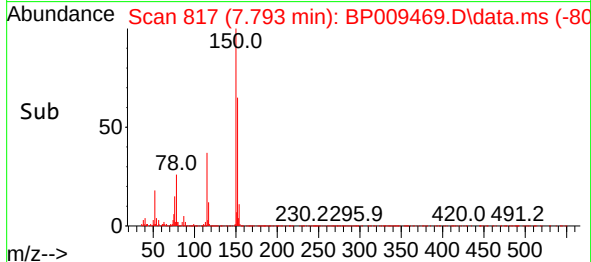
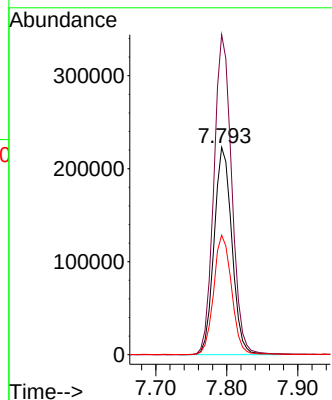
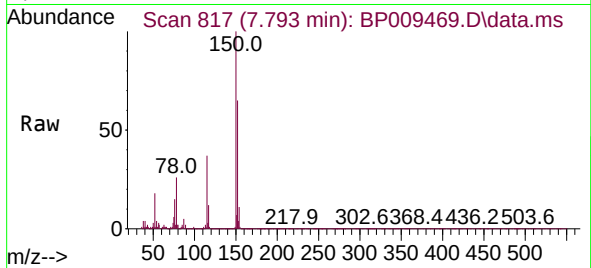




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.793 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

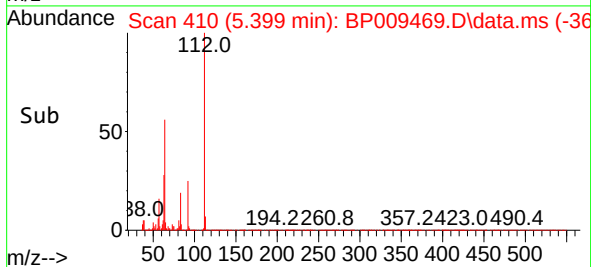
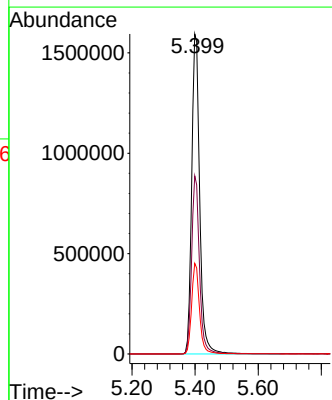
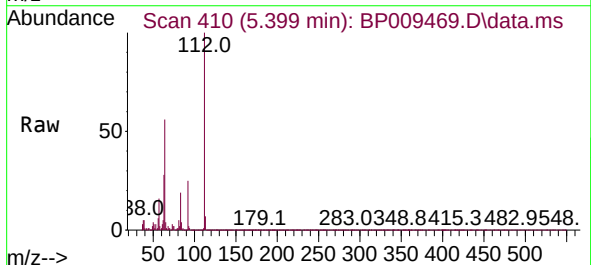
Instrument :
BNA_P
ClientSampleId :
124035

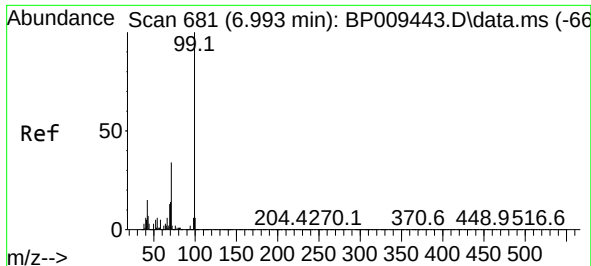
Tgt Ion:152 Resp: 386516
Ion Ratio Lower Upper
152 100
150 154.3 124.5 186.7
115 57.7 48.2 72.4



#5
2-Fluorophenol
Concen: 126.439 ng
RT: 5.399 min Scan# 410
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

Tgt Ion:112 Resp: 2799110
Ion Ratio Lower Upper
112 100
64 55.7 45.0 67.4
63 28.3 23.0 34.6

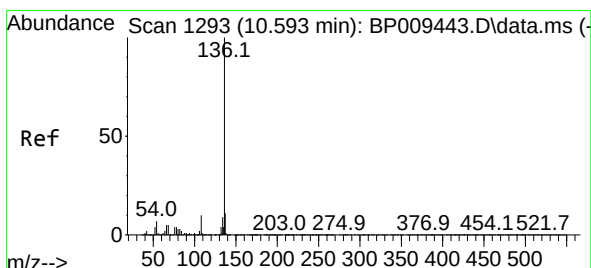
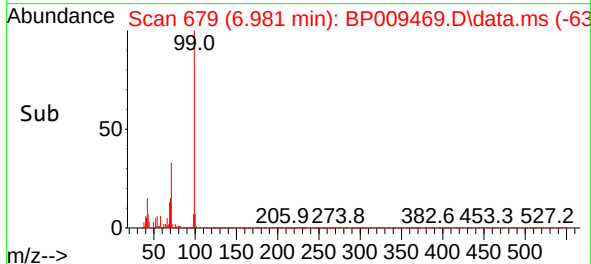
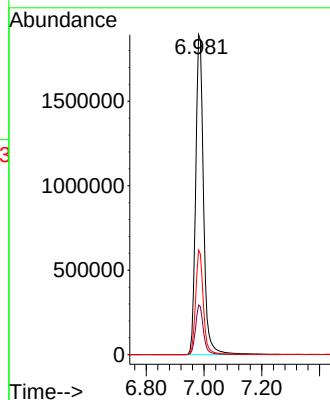
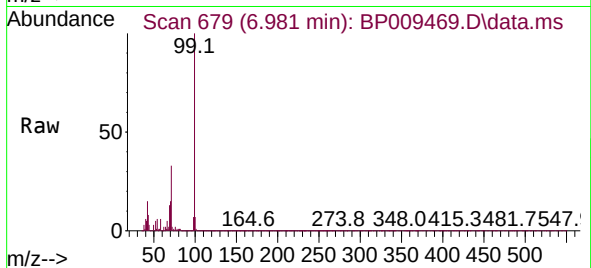




#7
Phenol-d6
Concen: 119.983 ng
RT: 6.981 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

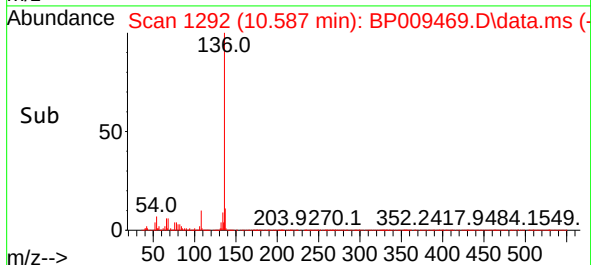
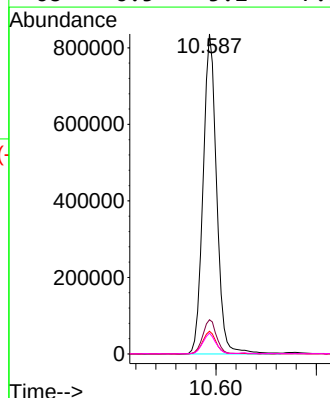
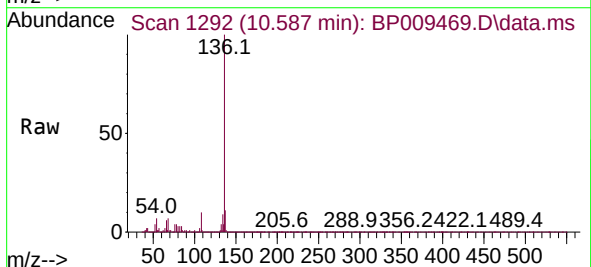
Instrument :
BNA_P
ClientSampleId :
124035

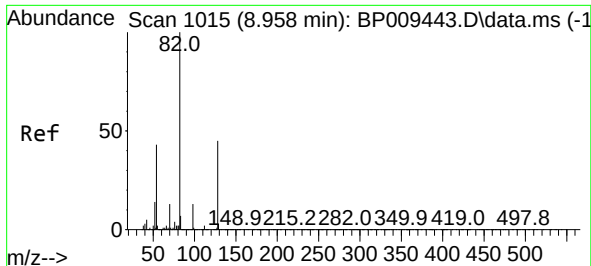
Tgt Ion: 99 Resp: 3592111
Ion Ratio Lower Upper
99 100
42 15.5 12.8 19.2
71 32.7 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

Tgt Ion:136 Resp: 1569383
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 7.1 5.8 8.8
68 6.5 5.2 7.8

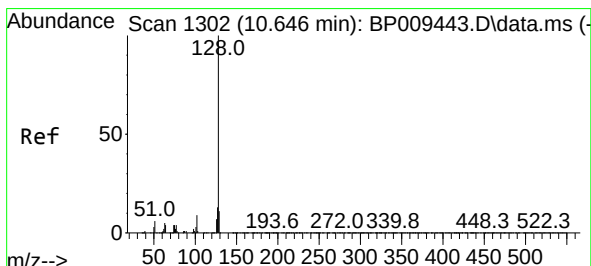
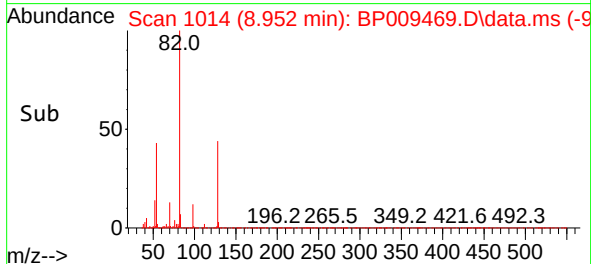
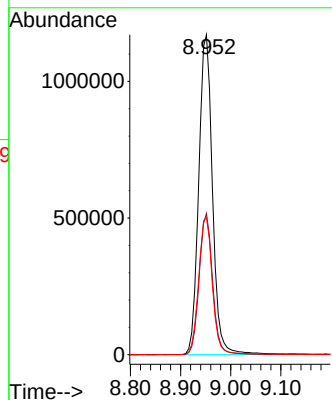
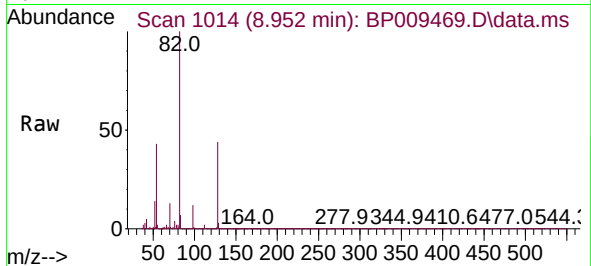




#23
Nitrobenzene-d5
Concen: 75.367 ng
RT: 8.952 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

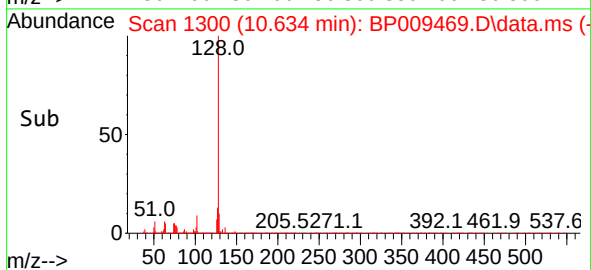
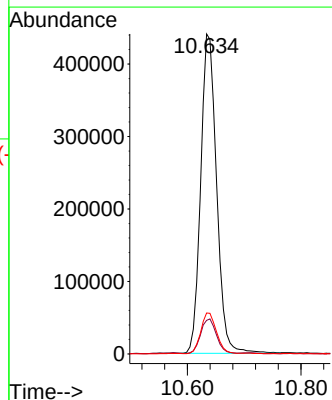
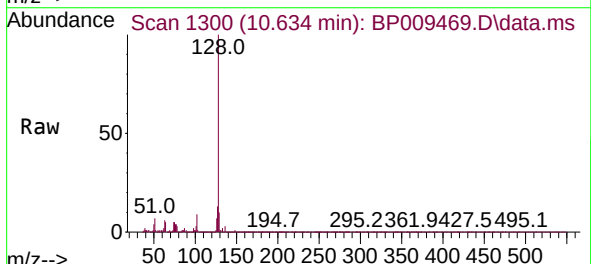
Instrument :
BNA_P
ClientSampleId :
124035

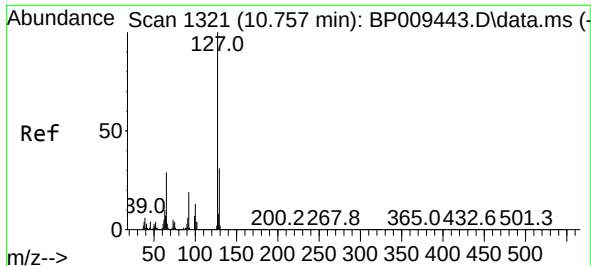
Tgt Ion: 82 Resp: 2225788
Ion Ratio Lower Upper
82 100
128 44.1 34.2 51.4
54 43.0 34.7 52.1



#31
Naphthalene
Concen: 10.584 ng
RT: 10.634 min Scan# 1300
Delta R.T. -0.012 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

Tgt Ion: 128 Resp: 855576
Ion Ratio Lower Upper
128 100
129 10.5 8.6 13.0
127 12.8 10.5 15.7

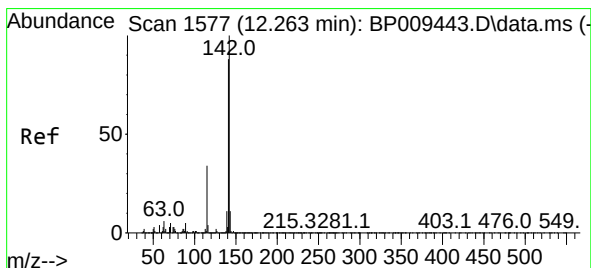
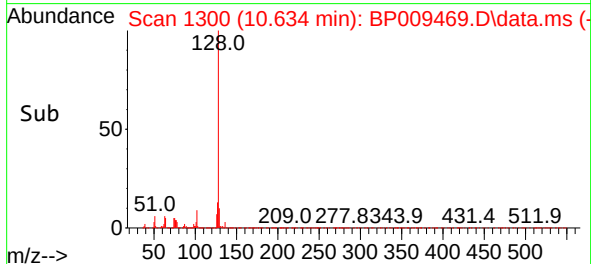
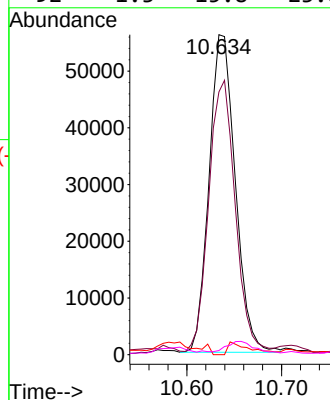
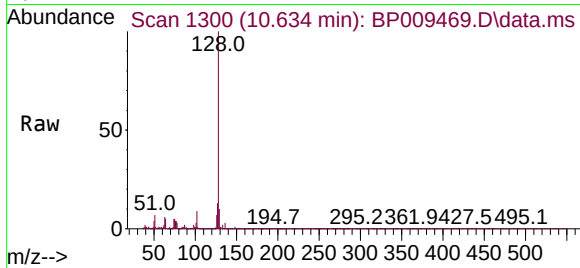




#33
4-Chloroaniline
Concen: 3.266 ng
RT: 10.634 min Scan# 11
Delta R.T. -0.124 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

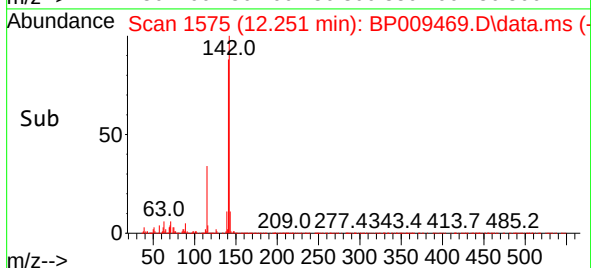
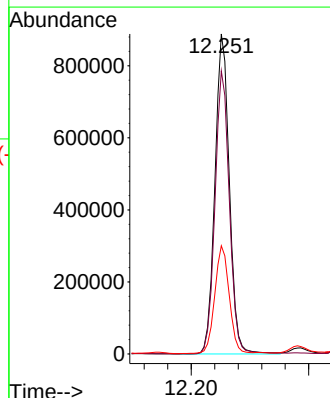
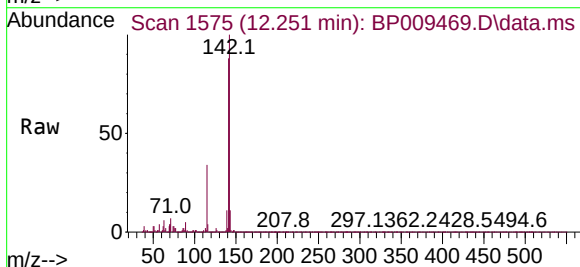
Instrument :
BNA_P
ClientSampleId :
124035

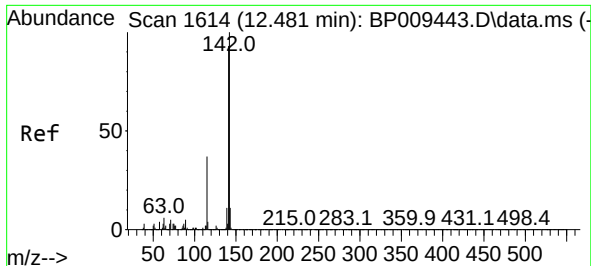
Tgt Ion:127	Resp:	107749
Ion	Ratio	Lower Upper
127	100	
129	82.1	25.5 38.3#
65	0.0	24.3 36.5#
92	1.3	15.8 23.8#



#37
2-Methylnaphthalene
Concen: 26.629 ng
RT: 12.251 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

Tgt Ion:142	Resp:	1510358
Ion	Ratio	Lower Upper
142	100	
141	88.5	70.2 105.4
115	33.8	27.4 41.2





#38

1-Methylnaphthalene

Concen: 19.247 ng

RT: 12.469 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP009469.D

Acq: 21 Mar 2022 14:23

Instrument :

BNA_P

ClientSampleId :

124035

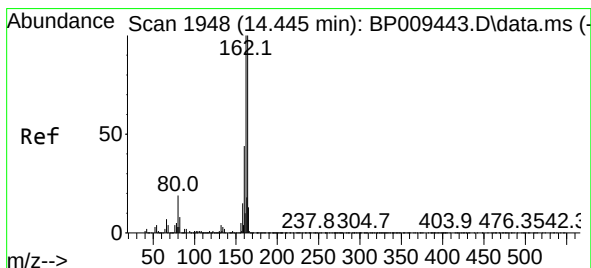
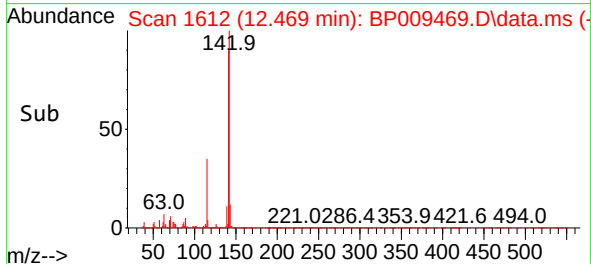
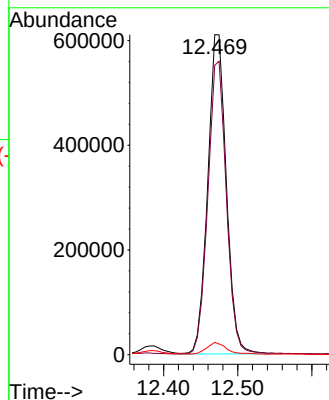
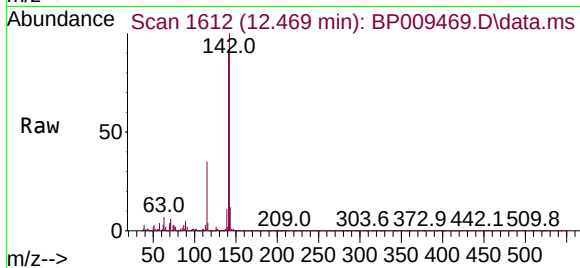
Tgt Ion:142 Resp: 1063481

Ion Ratio Lower Upper

142 100

141 90.5 73.5 110.3

116 3.8 3.3 4.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.434 min Scan# 1946

Delta R.T. -0.011 min

Lab File: BP009469.D

Acq: 21 Mar 2022 14:23

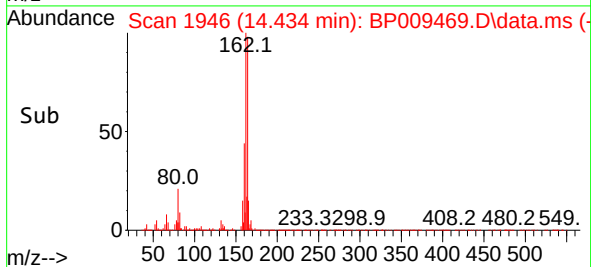
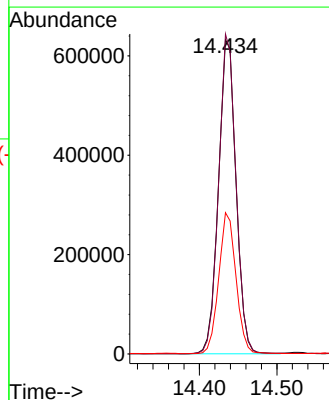
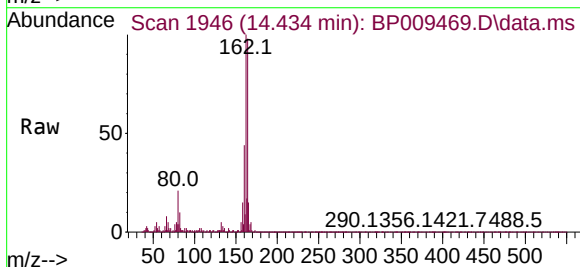
Tgt Ion:164 Resp: 995515

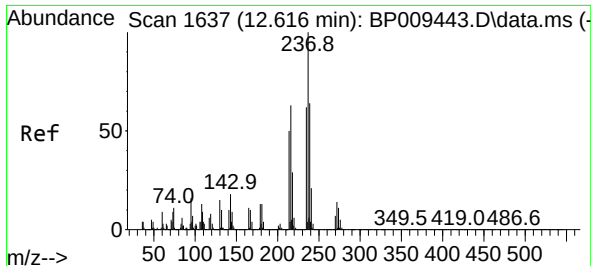
Ion Ratio Lower Upper

164 100

162 101.8 79.1 118.7

160 44.9 34.9 52.3

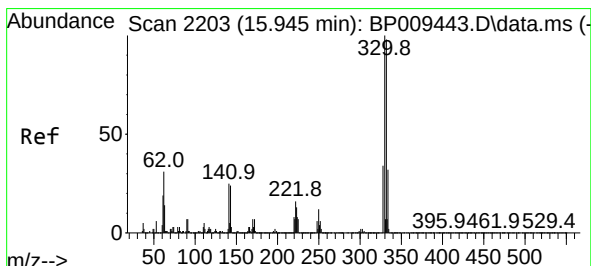
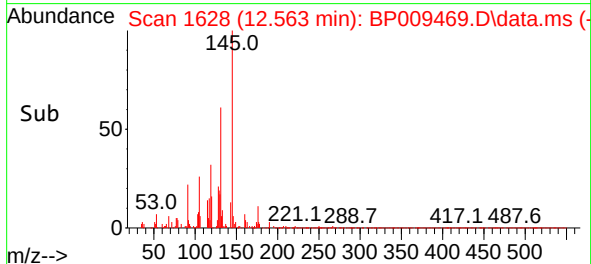
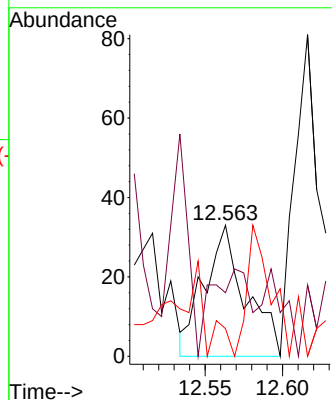
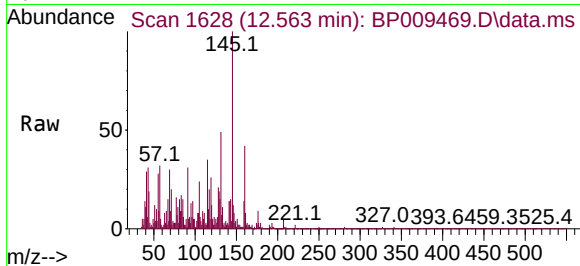




#41
Hexachlorocyclopentadiene
Concen: 7.292 ng
RT: 12.563 min Scan# 1
Delta R.T. -0.053 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

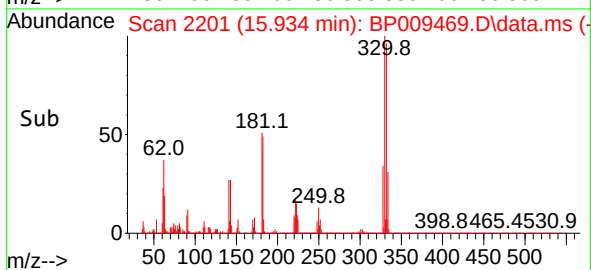
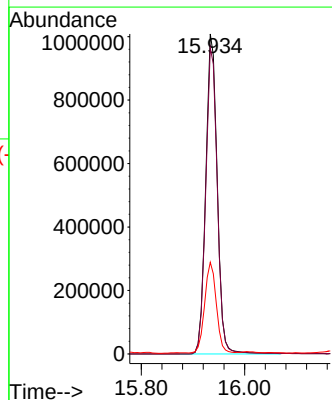
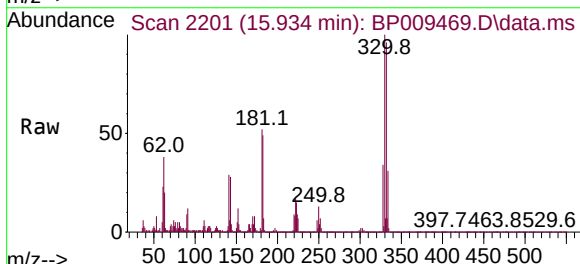
Instrument :
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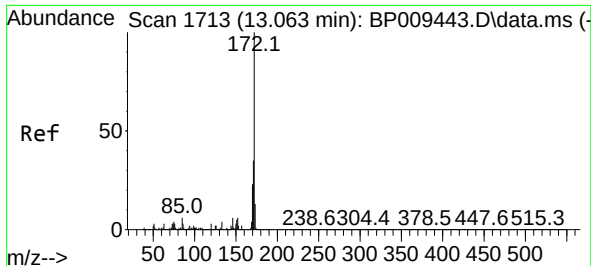
Tgt Ion:237	Resp:	61	
Ion	Ratio	Lower	Upper
237	100		
235	48.5	42.6	82.6
272	21.2	0.0	32.8



#42
2,4,6-Tribromophenol
Concen: 94.474 ng
RT: 15.934 min Scan# 2201
Delta R.T. -0.012 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

Tgt Ion:330	Resp:	1551987	
Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	28.6	27.6	41.4

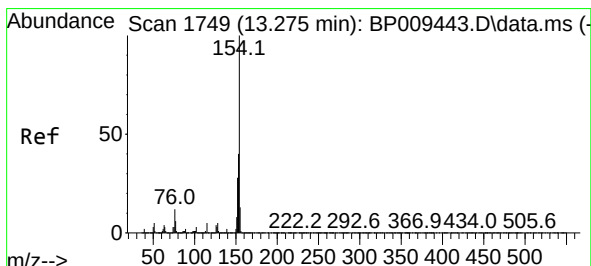
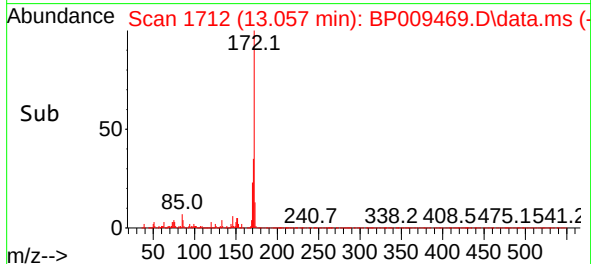
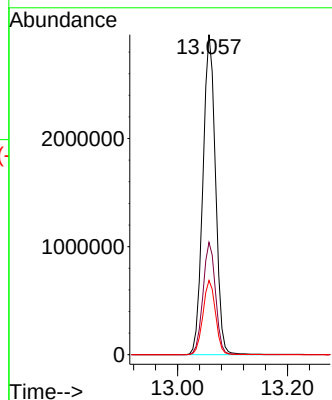
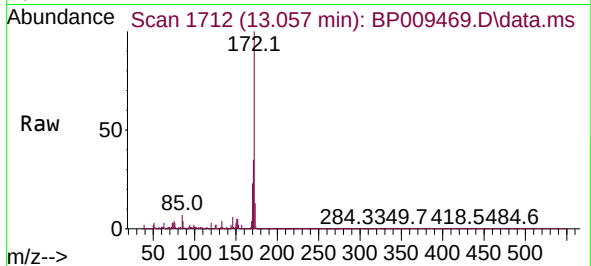




#45
2-Fluorobiphenyl
Concen: 65.626 ng
RT: 13.057 min Scan# 1712
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

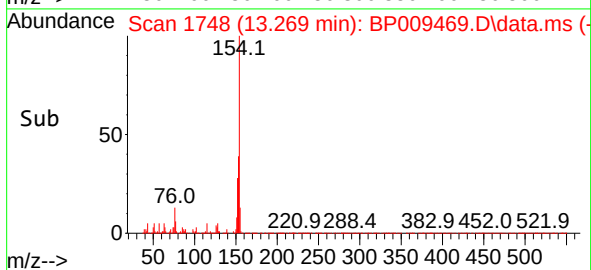
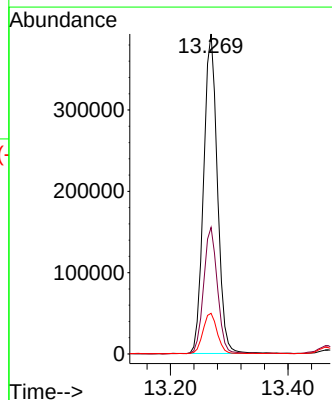
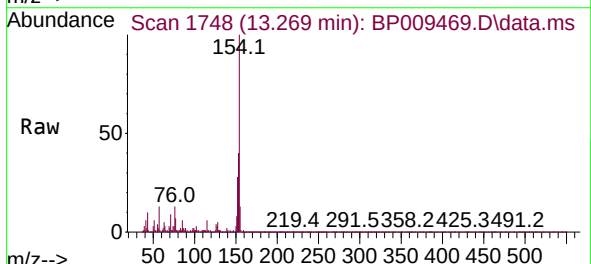
Instrument :
BNA_P
ClientSampleId :
124035

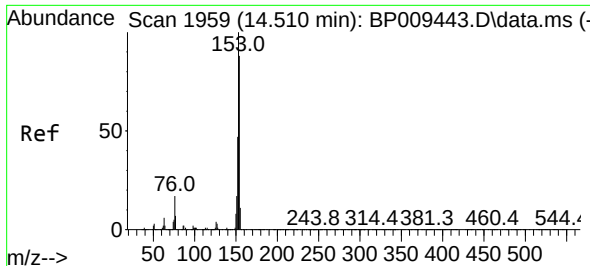
Tgt Ion:172 Resp: 4712690
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 23.2 18.6 27.8



#46
1,1'-Biphenyl
Concen: 8.620 ng
RT: 13.269 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

Tgt Ion:154 Resp: 640137
Ion Ratio Lower Upper
154 100
153 39.6 20.2 60.2
76 12.7 0.0 34.0

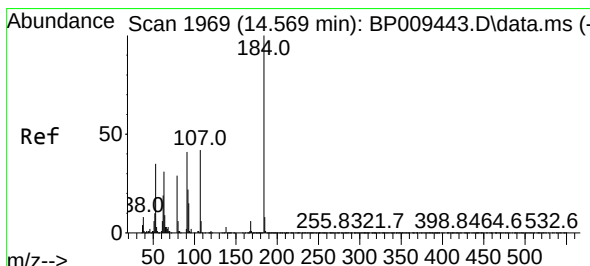
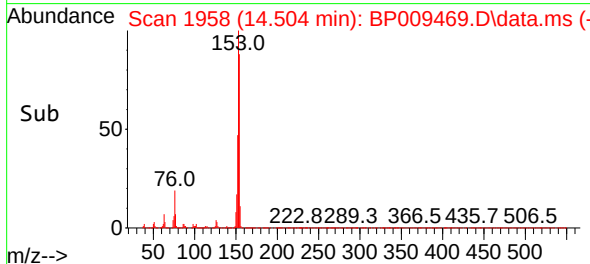
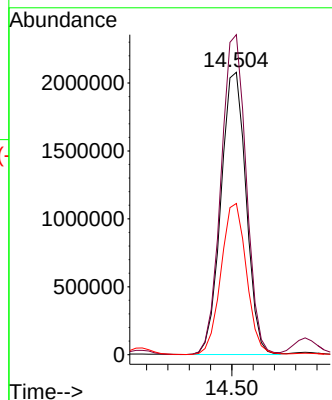
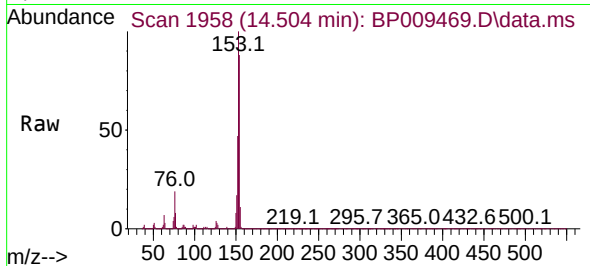




#52
Acenaphthene
Concen: 63.128 ng
RT: 14.504 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

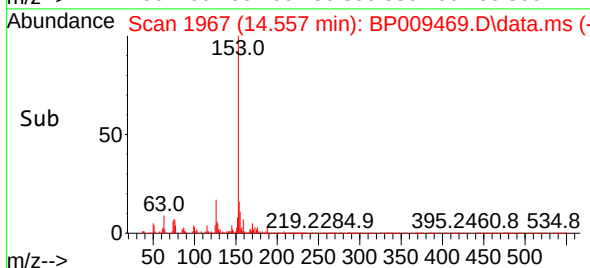
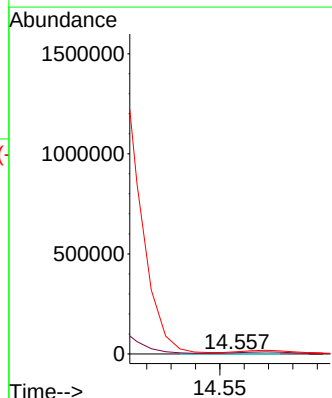
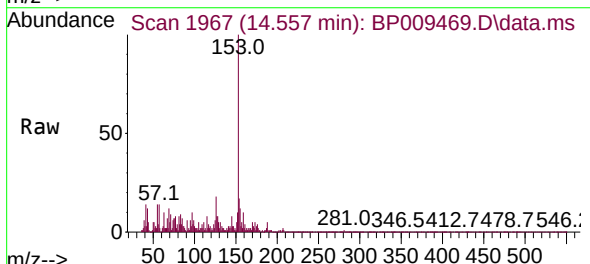
Instrument :
BNA_P
ClientSampleId :
124035

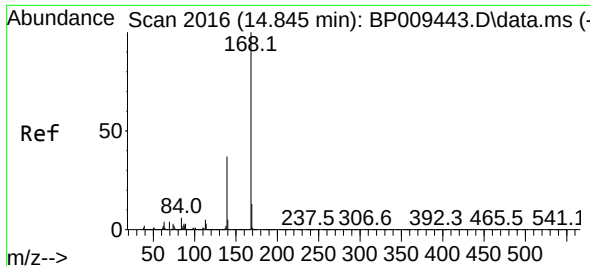
Tgt Ion:154 Resp: 3403788
Ion Ratio Lower Upper
154 100
153 113.3 90.2 135.4
152 53.5 42.7 64.1



#54
2,4-Dinitrophenol
Concen: 4.547 ng
RT: 14.557 min Scan# 1967
Delta R.T. -0.012 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

Tgt Ion:184 Resp: 152
Ion Ratio Lower Upper
184 100
63 2960.6 46.3 69.5#
154 5321.1 45.8 68.6#

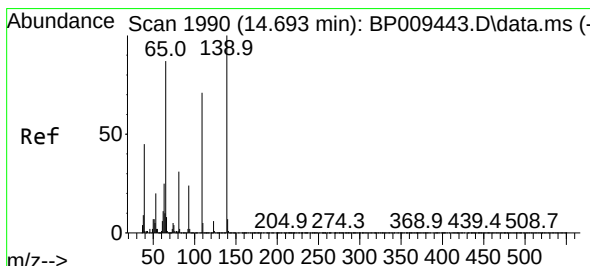
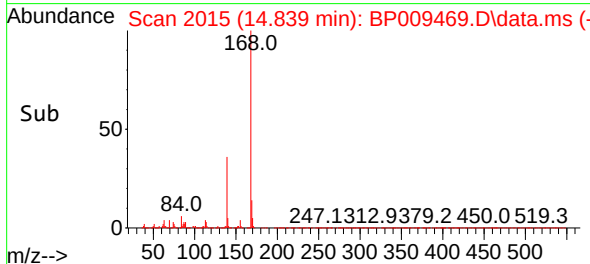
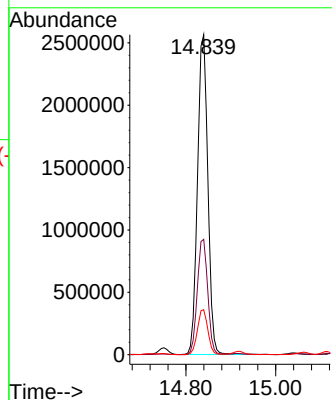
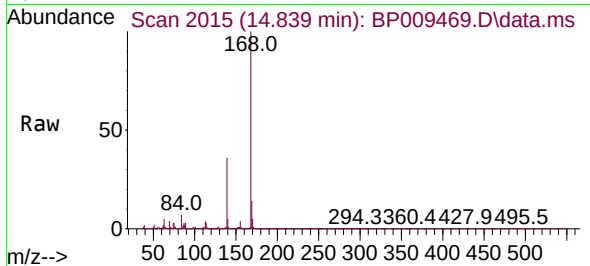




#55
Dibenzenofuran
Concen: 45.246 ng
RT: 14.839 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

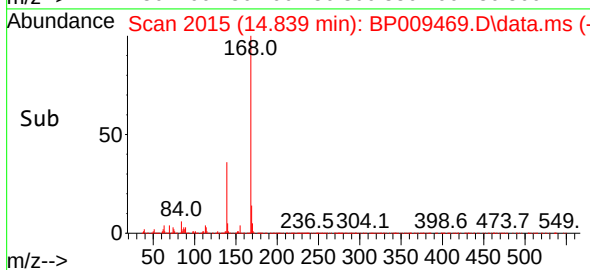
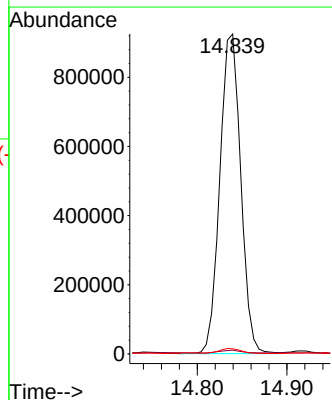
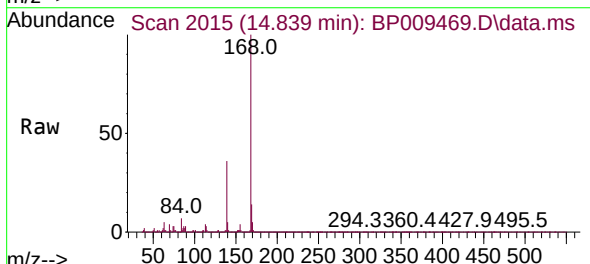
Instrument :
BNA_P
ClientSampleId :
124035

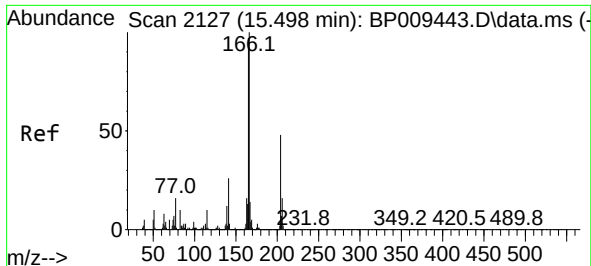
Tgt Ion:168 Resp: 4098525
Ion Ratio Lower Upper
168 100
139 36.1 29.1 43.7
169 14.0 10.6 16.0



#56
4-Nitrophenol
Concen: 120.010 ng
RT: 14.839 min Scan# 2015
Delta R.T. 0.147 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

Tgt Ion:139 Resp: 1493359
Ion Ratio Lower Upper
139 100
109 1.2 51.2 91.2#
65 1.6 73.2 113.2#

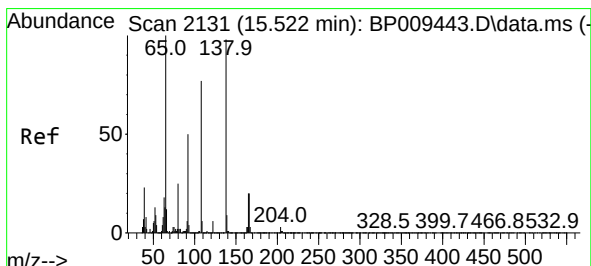
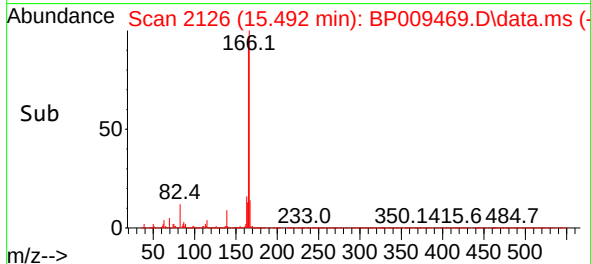
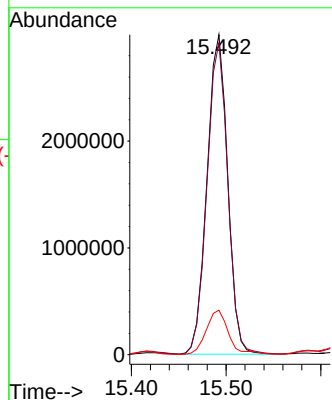
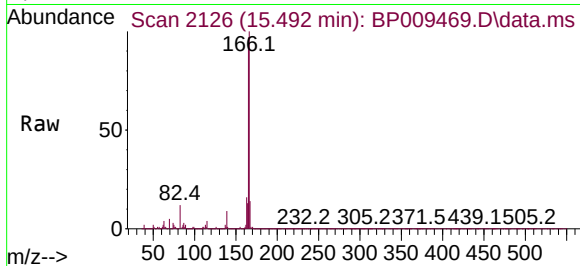




#58
 Fluorene
 Concen: 63.536 ng
 RT: 15.492 min Scan# 2127
 Delta R.T. -0.006 min
 Lab File: BP009469.D
 Acq: 21 Mar 2022 14:23

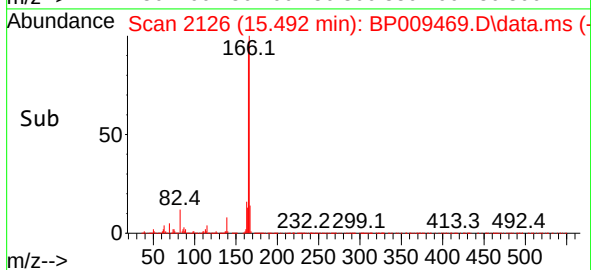
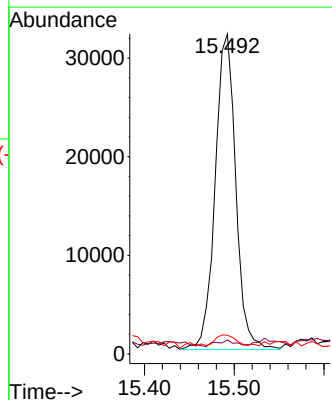
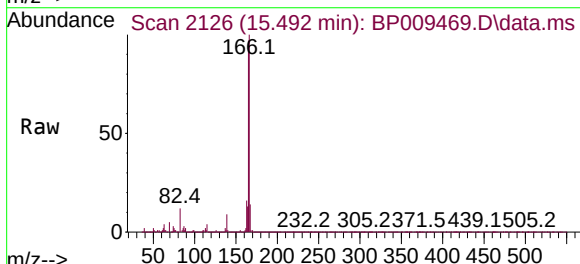
Instrument :
 BNA_P
 ClientSampleId :
 124035

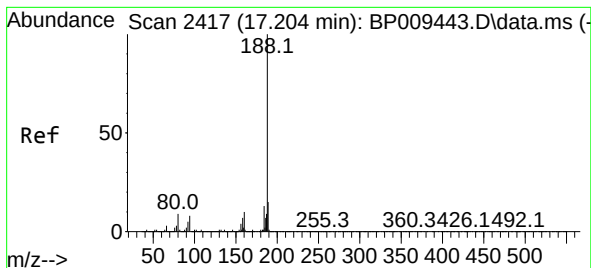
Tgt Ion:166 Resp: 4526348
 Ion Ratio Lower Upper
 166 100
 165 97.5 79.2 118.8
 167 13.9 10.7 16.1



#62
 4-Nitroaniline
 Concen: 2.909 ng
 RT: 15.492 min Scan# 2126
 Delta R.T. -0.030 min
 Lab File: BP009469.D
 Acq: 21 Mar 2022 14:23

Tgt Ion:138 Resp: 50992
 Ion Ratio Lower Upper
 138 100
 92 4.4 31.2 71.2#
 108 5.9 54.3 94.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.198 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BP009469.D

Acq: 21 Mar 2022 14:23

Instrument :

BNA_P

ClientSampleId :

124035

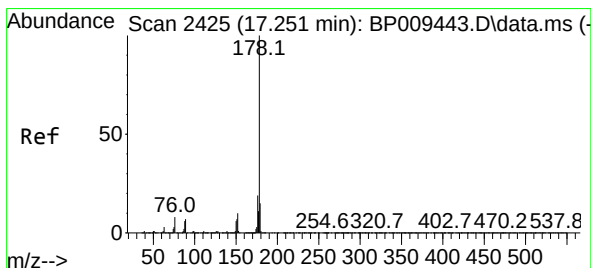
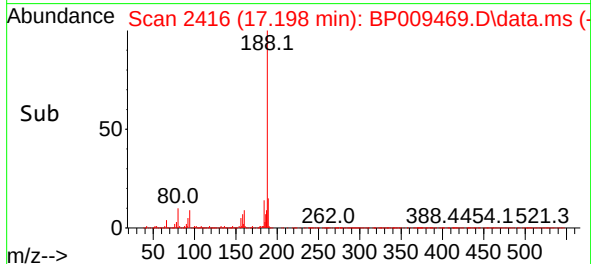
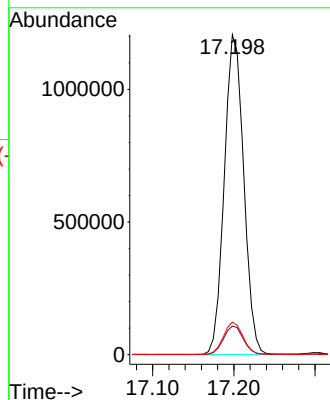
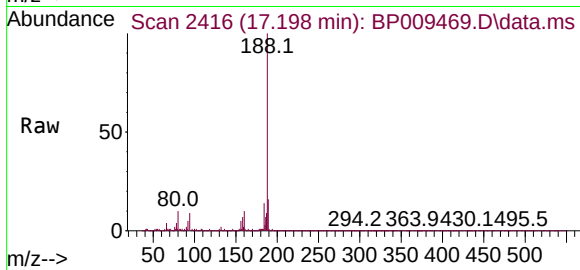
Tgt Ion:188 Resp: 2005345

Ion Ratio Lower Upper

188 100

94 9.0 7.9 11.9

80 10.2 8.8 13.2



#71

Phenanthrene

Concen: 24.500 ng

RT: 17.333 min Scan# 2439

Delta R.T. 0.082 min

Lab File: BP009469.D

Acq: 21 Mar 2022 14:23

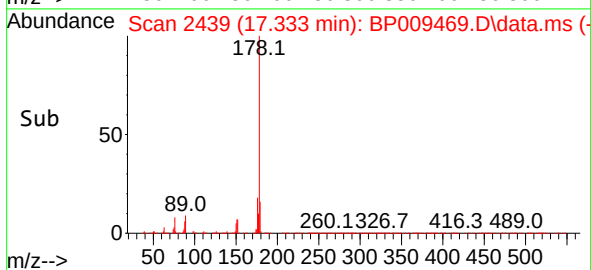
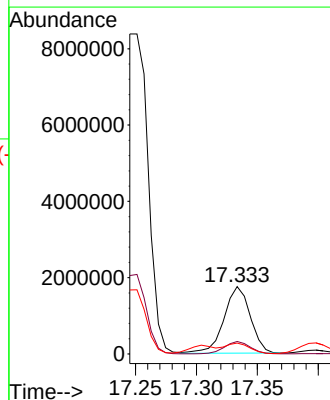
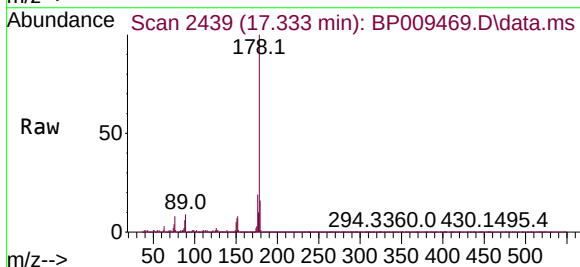
Tgt Ion:178 Resp: 2630023

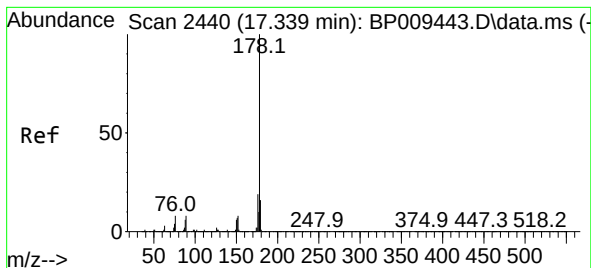
Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

179 16.3 12.3 18.5





#72

Anthracene

Concen: 24.815 ng

RT: 17.333 min Scan# 2440

Delta R.T. -0.006 min

Lab File: BP009469.D

Acq: 21 Mar 2022 14:23

Instrument :

BNA_P

ClientSampleId :

124035

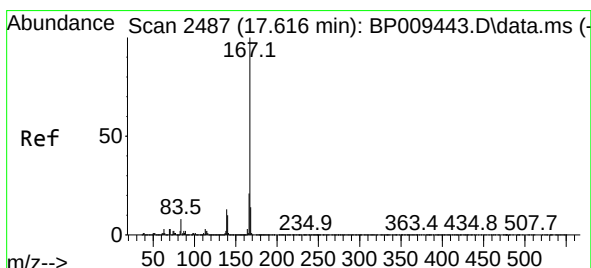
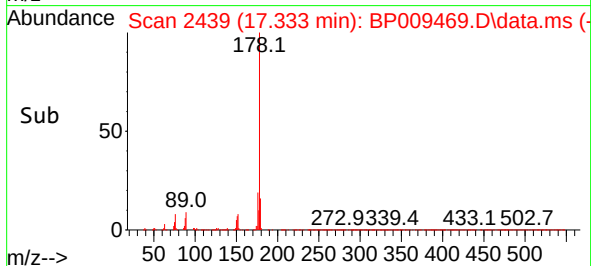
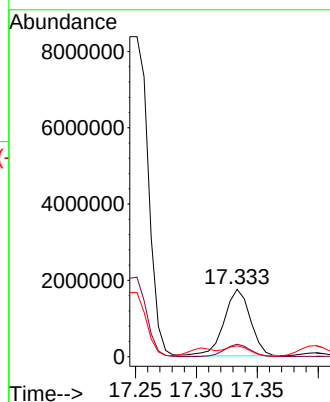
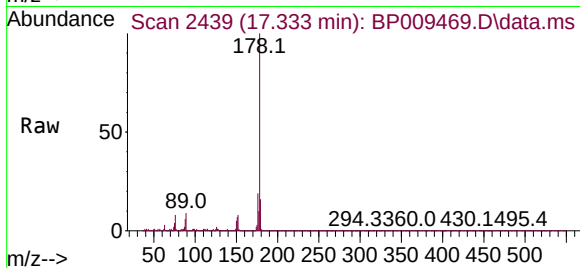
Tgt Ion:178 Resp: 2630023

Ion Ratio Lower Upper

178 100

176 18.6 14.8 22.2

179 16.3 12.2 18.4



#73

Carbazole

Concen: 11.515 ng

RT: 17.610 min Scan# 2486

Delta R.T. -0.006 min

Lab File: BP009469.D

Acq: 21 Mar 2022 14:23

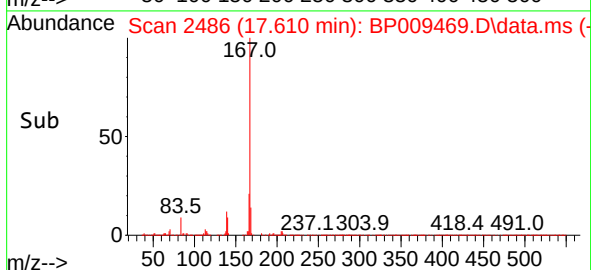
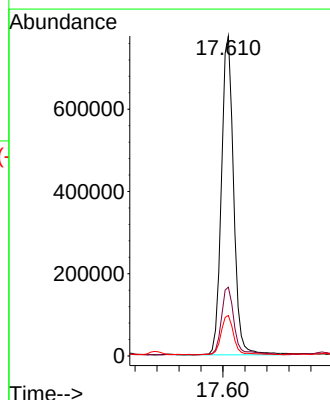
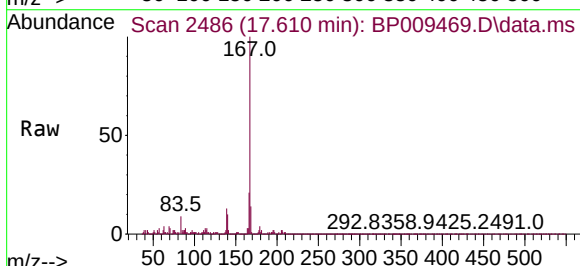
Tgt Ion:167 Resp: 1193567

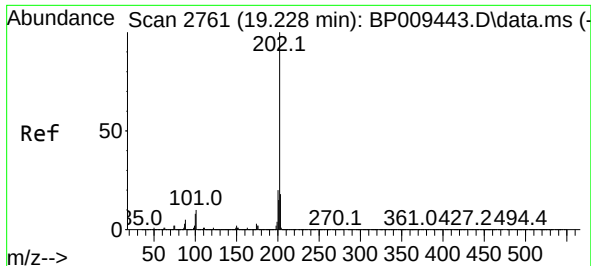
Ion Ratio Lower Upper

167 100

166 21.5 17.2 25.8

139 12.6 10.3 15.5

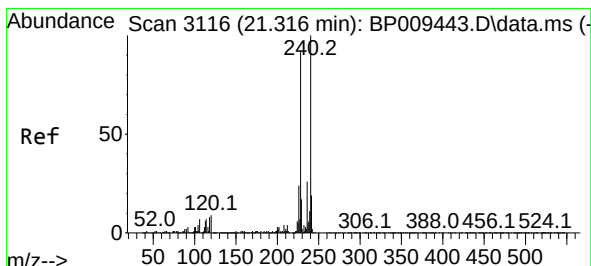
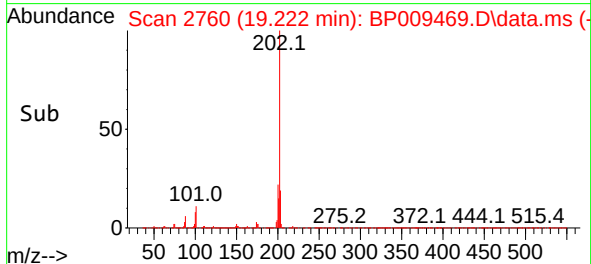
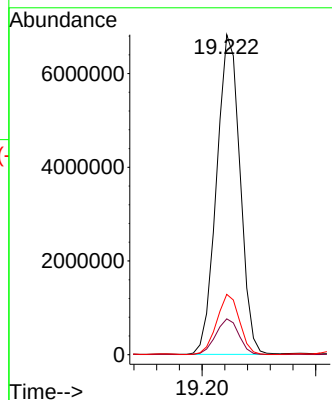
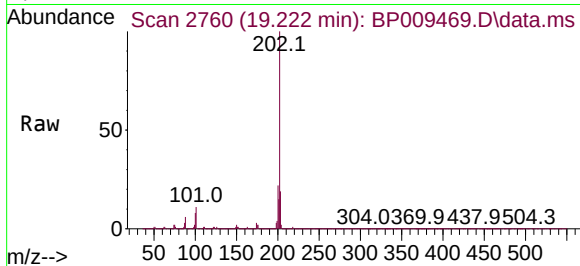




#75
Fluoranthene
Concen: 75.288 ng
RT: 19.222 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

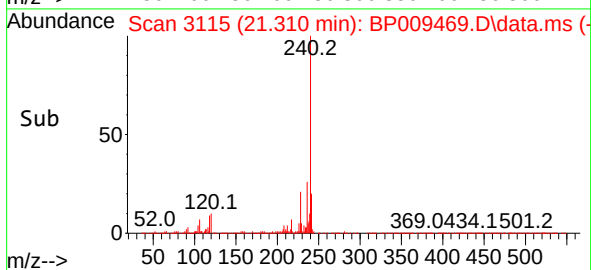
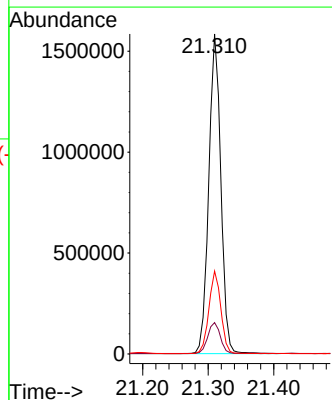
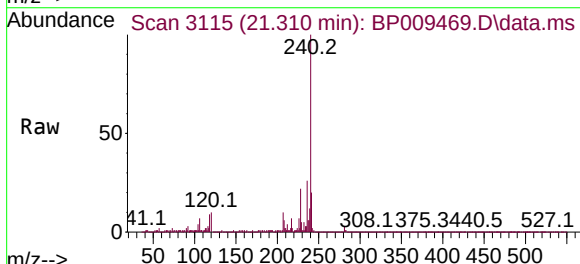
Instrument :
BNA_P
ClientSampleId :
124035

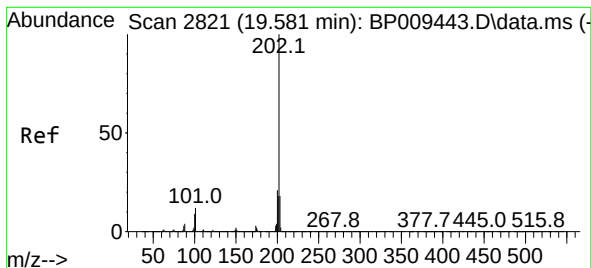
Tgt Ion:202 Resp: 9784390
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.5
203 18.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.310 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

Tgt Ion:240 Resp: 2030005
Ion Ratio Lower Upper
240 100
120 9.8 9.0 13.4
236 25.9 20.6 30.8





#78

Pyrene

Concen: 49.355 ng

RT: 19.575 min Scan# 2821

Delta R.T. -0.006 min

Lab File: BP009469.D

Acq: 21 Mar 2022 14:23

Instrument :

BNA_P

ClientSampleId :

124035

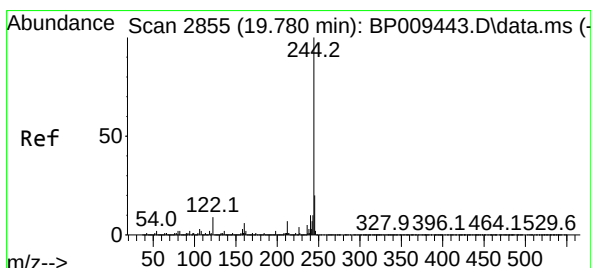
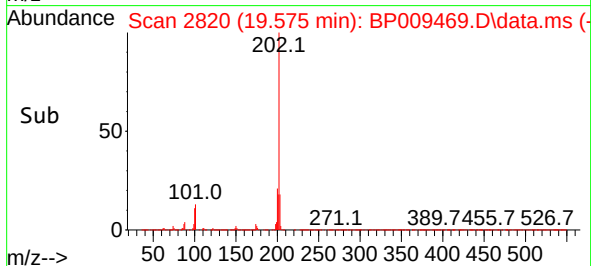
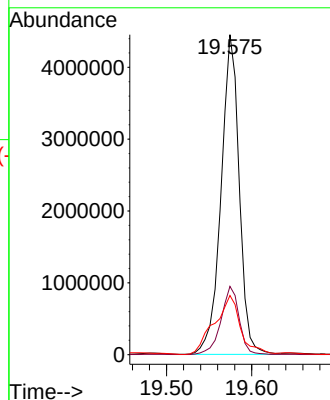
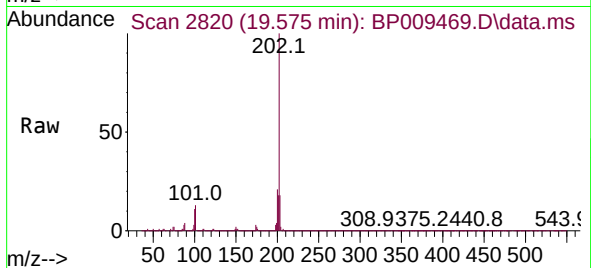
Tgt Ion:202 Resp: 6602137

Ion Ratio Lower Upper

202 100

200 21.3 16.8 25.2

203 18.5 14.2 21.4



#79

Terphenyl-d14

Concen: 65.330 ng

RT: 19.775 min Scan# 2854

Delta R.T. -0.006 min

Lab File: BP009469.D

Acq: 21 Mar 2022 14:23

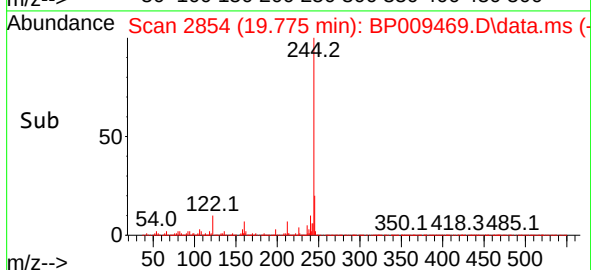
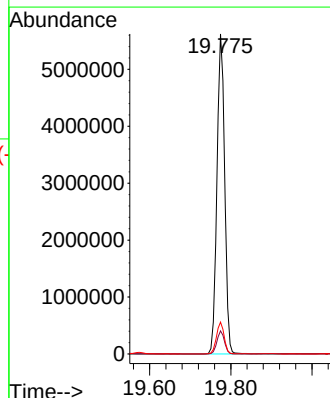
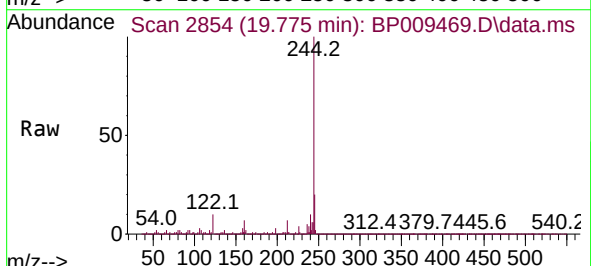
Tgt Ion:244 Resp: 7388741

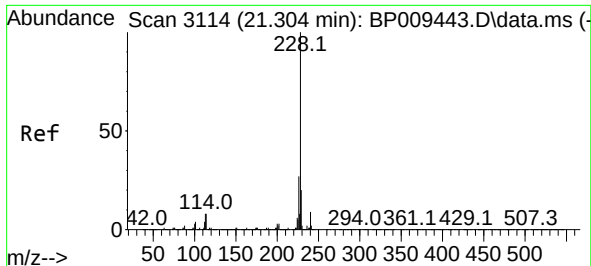
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 9.9 8.3 12.5

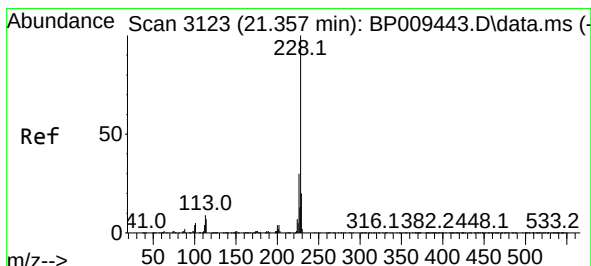
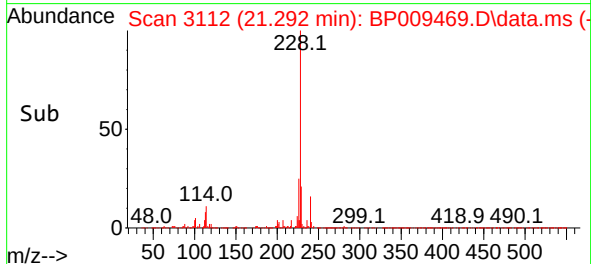
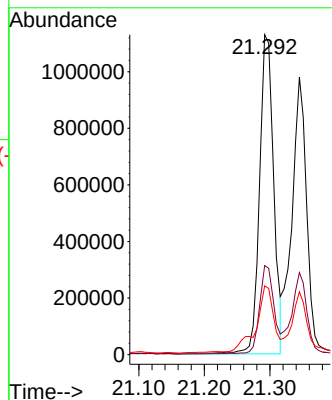
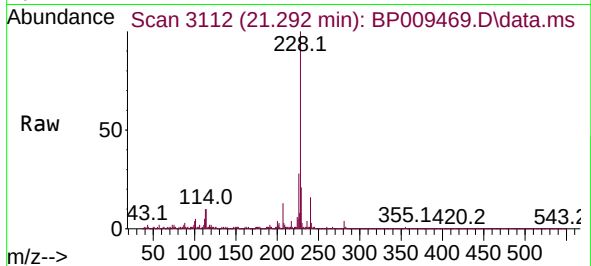




#81
Benzo(a)anthracene
Concen: 12.644 ng
RT: 21.292 min Scan# 3112
Delta R.T. -0.012 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

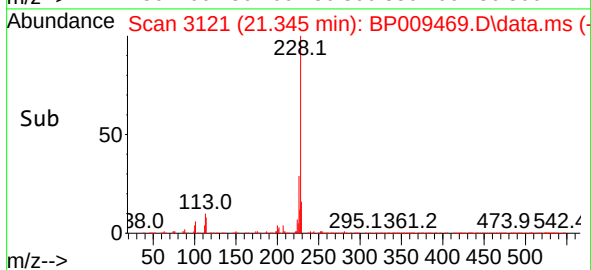
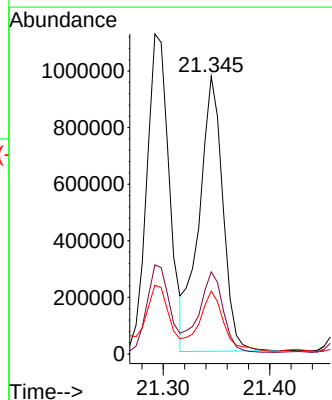
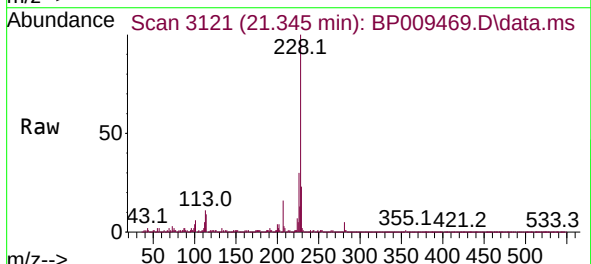
Instrument :
BNA_P
ClientSampleId :
124035

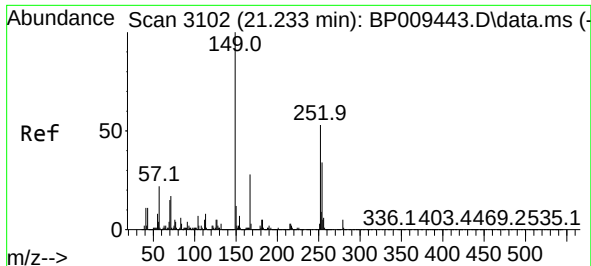
Tgt Ion:228 Resp: 1686265
Ion Ratio Lower Upper
228 100
226 27.9 22.0 33.0
229 21.5 16.1 24.1



#83
Chrysene
Concen: 11.933 ng
RT: 21.345 min Scan# 3121
Delta R.T. -0.012 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

Tgt Ion:228 Resp: 1507042
Ion Ratio Lower Upper
228 100
226 29.6 24.2 36.2
229 22.7 16.1 24.1

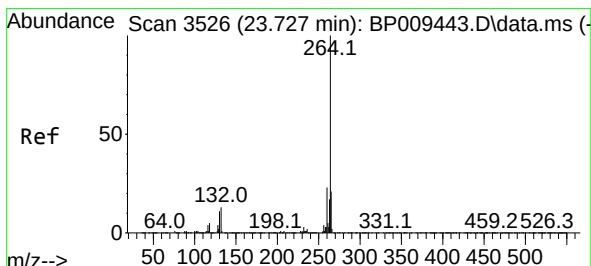
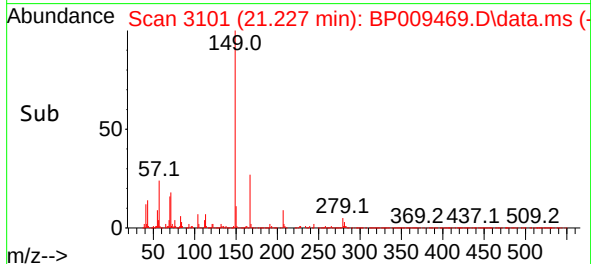
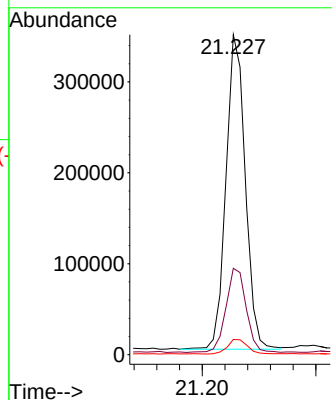
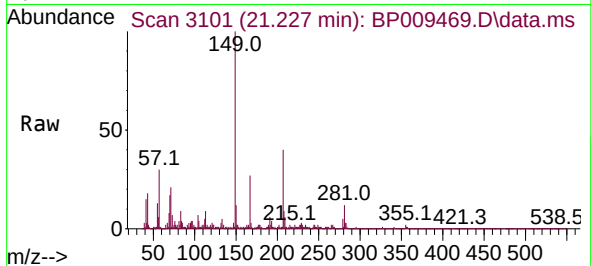




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.148 ng
RT: 21.227 min Scan# 3102
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

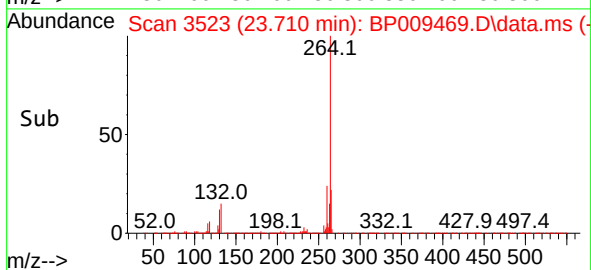
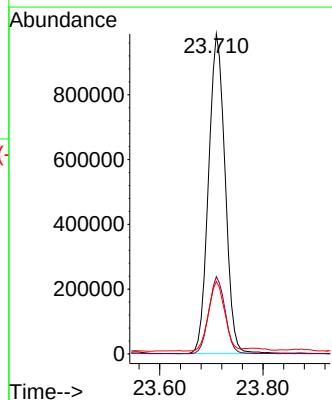
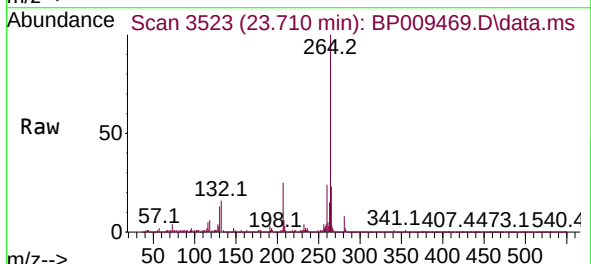
Instrument :
BNA_P
ClientSampleId :
124035

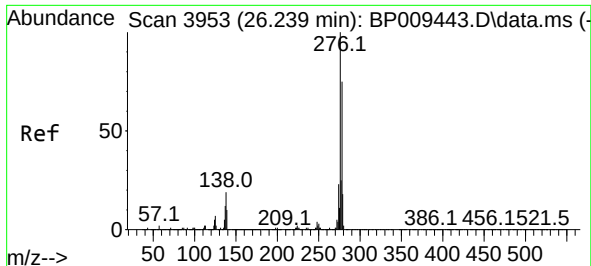
Tgt Ion:149 Resp: 407978
Ion Ratio Lower Upper
149 100
167 27.0 22.6 33.8
279 4.7 3.8 5.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.710 min Scan# 3523
Delta R.T. -0.018 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

Tgt Ion:264 Resp: 2192694
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.0
265 22.7 17.2 25.8

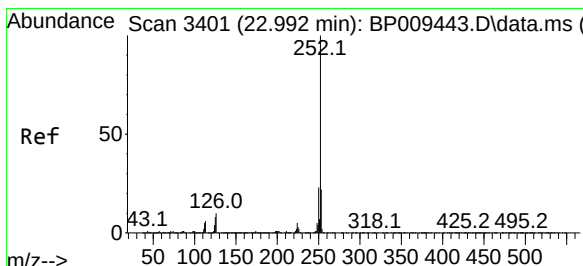
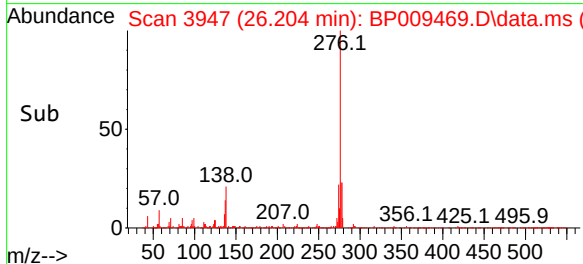
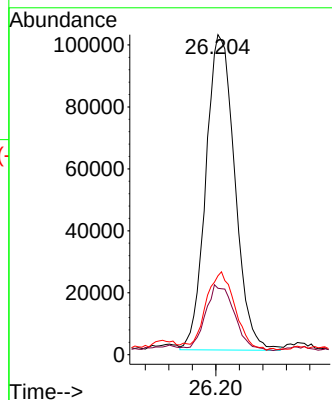
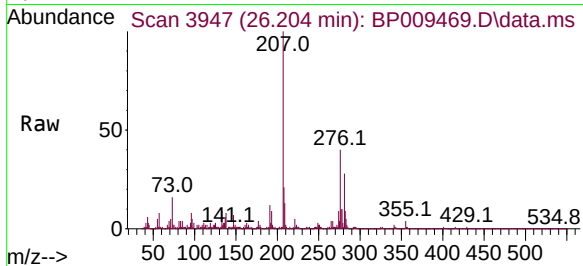




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.090 ng
 RT: 26.204 min Scan# 3947
 Delta R.T. -0.035 min
 Lab File: BP009469.D
 Acq: 21 Mar 2022 14:23

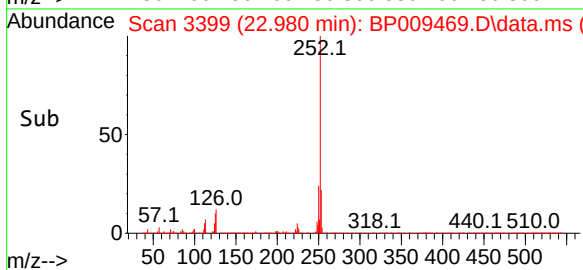
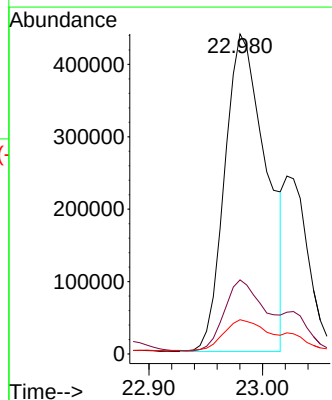
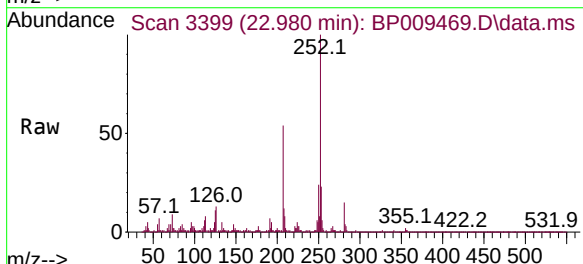
Instrument :
 BNA_P
 ClientSampleId :
 124035

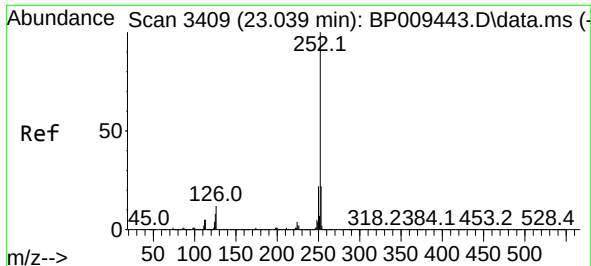
Tgt Ion:276 Resp: 347646
 Ion Ratio Lower Upper
 276 100
 138 20.8 20.5 30.7
 277 24.7 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 8.543 ng
 RT: 22.980 min Scan# 3399
 Delta R.T. -0.012 min
 Lab File: BP009469.D
 Acq: 21 Mar 2022 14:23

Tgt Ion:252 Resp: 1118199
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.8 26.8
 125 10.7 8.1 12.1

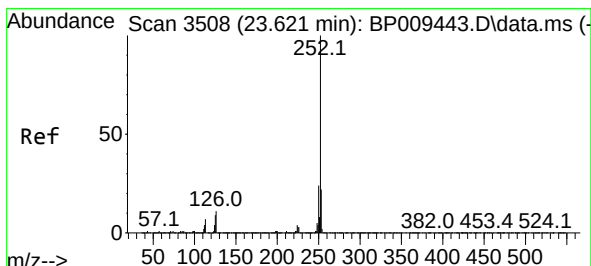
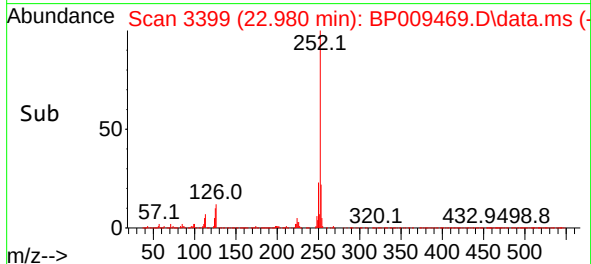
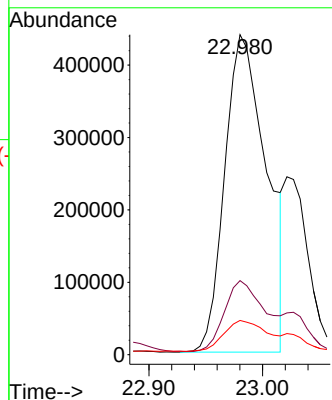
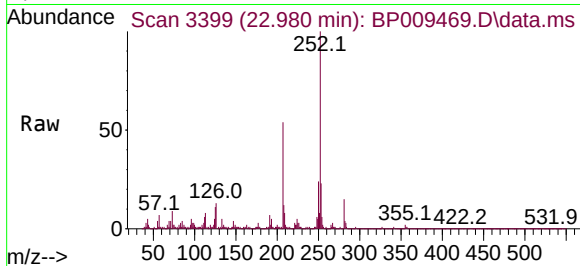




#89
Benzo(k)fluoranthene
Concen: 8.725 ng
RT: 22.980 min Scan# 311
Delta R.T. -0.059 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

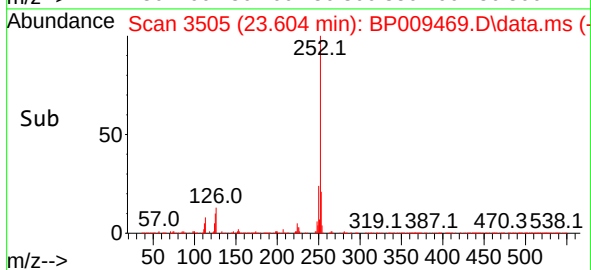
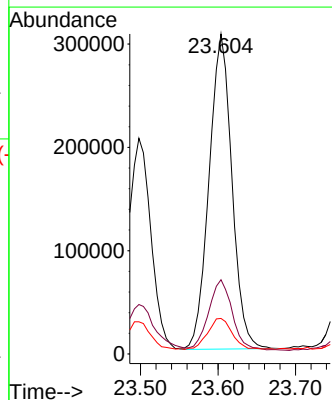
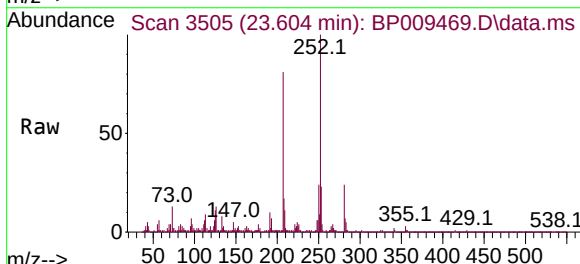
Instrument :
BNA_P
ClientSampleId :
124035

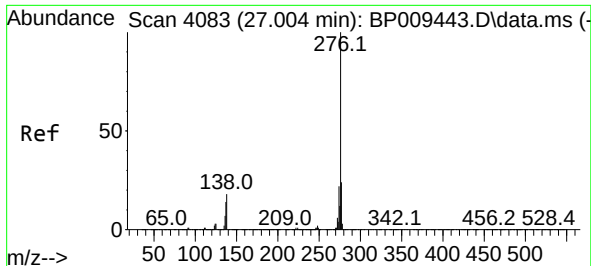
Tgt Ion:252 Resp: 1118199
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 10.7 8.3 12.5



#90
Benzo(a)pyrene
Concen: 5.575 ng
RT: 23.604 min Scan# 3505
Delta R.T. -0.018 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

Tgt Ion:252 Resp: 624334
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 11.1 9.3 13.9





#92
 Benzo(g,h,i)perylene
 Concen: 2.414 ng
 RT: 26.974 min Scan# 4083
 Delta R.T. -0.030 min
 Lab File: BP009469.D
 Acq: 21 Mar 2022 14:23

Instrument :
 BNA_P
 ClientSampleId :
 124035

Tgt Ion:	276	Resp:	329286
Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.2	28.8
138	19.8	18.0	27.0

