

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021422\
 Data File : BP009135.D
 Acq On : 14 Feb 2022 15:33
 Operator : CG/JU
 Sample : N1505-01DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-02-021022DL

Quant Time: Feb 14 16:04:20 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)

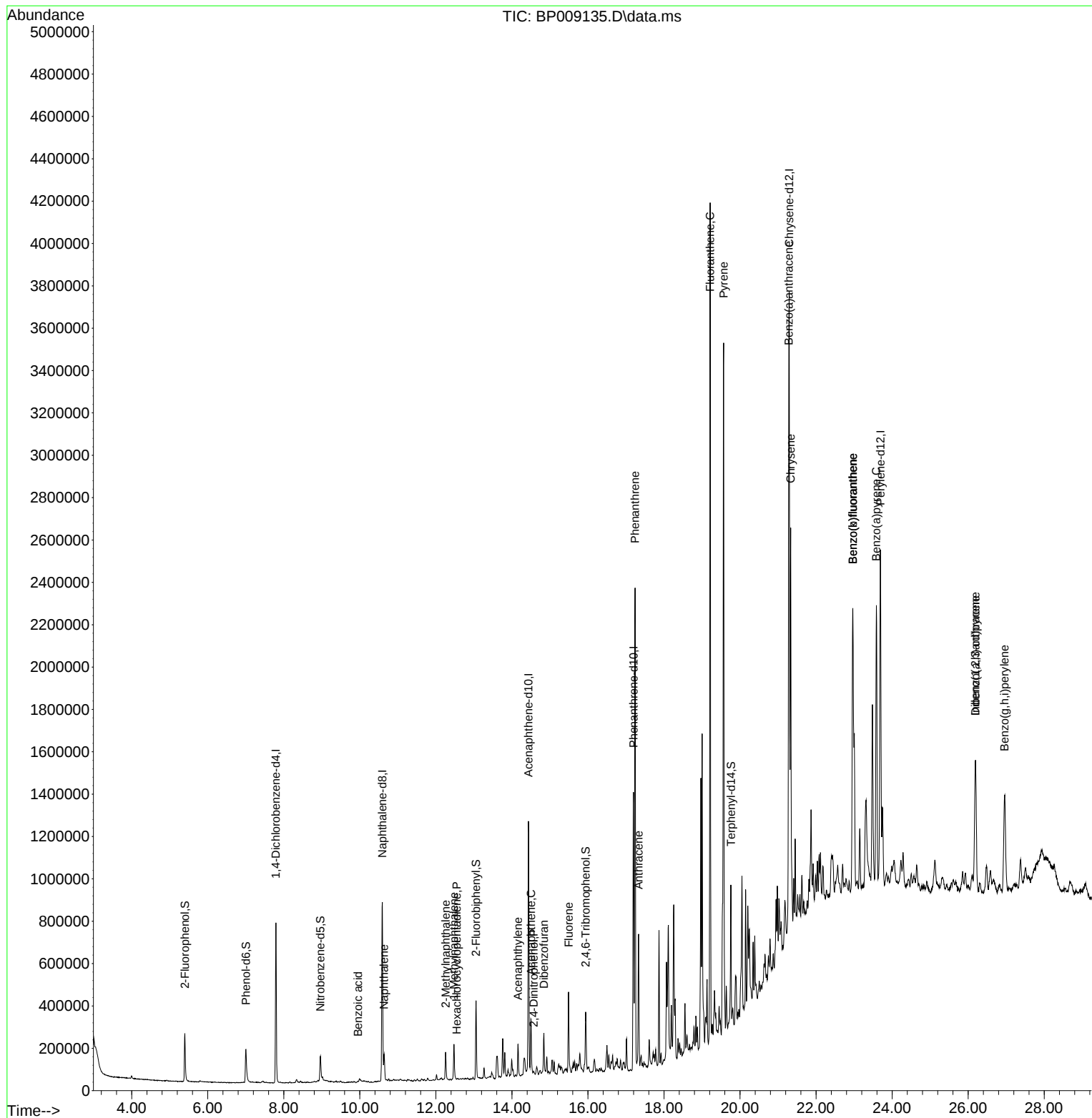
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	230659	20.000	ng	-0.01
21) Naphthalene-d8	10.592	136	796557	20.000	ng	-0.01
39) Acenaphthene-d10	14.433	164	458350	20.000	ng	-0.01
64) Phenanthrene-d10	17.198	188	865705	20.000	ng	0.00
76) Chrysene-d12	21.292	240	1034910	20.000	ng	0.00
86) Perylene-d12	23.692	264	1195530	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	129667	10.028	ng	0.00
7) Phenol-d6	7.004	99	143201	8.405	ng	0.02
23) Nitrobenzene-d5	8.963	82	89581	6.342	ng	0.00
42) 2,4,6-Tribromophenol	15.939	330	53852	8.800	ng	0.00
45) 2-Fluorobiphenyl	13.057	172	223762	6.834	ng	-0.01
79) Terphenyl-d14	19.763	244	300446	5.221	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.640	128	105998	2.609	ng	100
32) Benzoic acid	9.951	122	486	2.755	ng	# 1
37) 2-Methylnaphthalene	12.257	142	74940	2.607	ng	98
38) 1-Methylnaphthalene	12.475	142	89399	3.182	ng	100
41) Hexachlorocyclopentadiene	12.551	237	41	8.663	ng	87
49) Acenaphthylene	14.157	152	103039	2.554	ng	98
52) Acenaphthene	14.504	154	101782	4.146	ng	99
54) 2,4-Dinitrophenol	14.575	184	200	2.236	ng	# 1
55) Dibenzofuran	14.839	168	94555	2.286	ng	# 92
58) Fluorene	15.492	166	189084	5.951	ng	98
71) Phenanthrene	17.239	178	1475581	31.479	ng	99
72) Anthracene	17.333	178	441085	9.618	ng	100
75) Fluoranthene	19.216	202	2340974	44.558	ng	96
78) Pyrene	19.568	202	2156880	29.298	ng	98
81) Benzo(a)anthracene	21.280	228	1210847	18.156	ng	98
83) Chrysene	21.333	228	949135	14.763	ng	97
87) Indeno(1,2,3-cd)pyrene	26.192	276	698361	7.862	ng	# 94
88) Benzo(b)fluoranthene	22.968	252	1294222	17.585	ng	99
89) Benzo(k)fluoranthene	22.968	252	1294222	17.626	ng	99
90) Benzo(a)pyrene	23.586	252	1082712	17.645	ng	98
91) Dibenzo(a,h)anthracene	26.192	278	188323	2.580	ng	# 89
92) Benzo(g,h,i)perylene	26.956	276	675097	9.288	ng	99

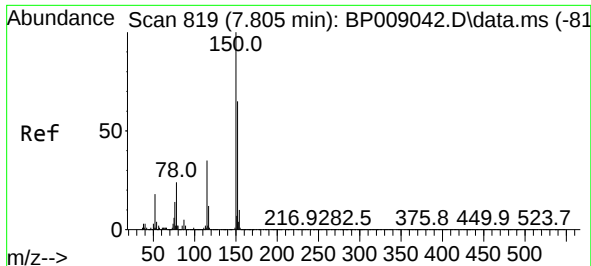
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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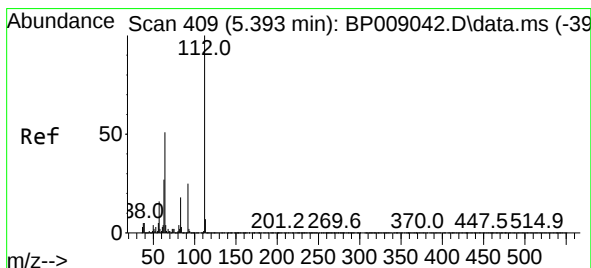
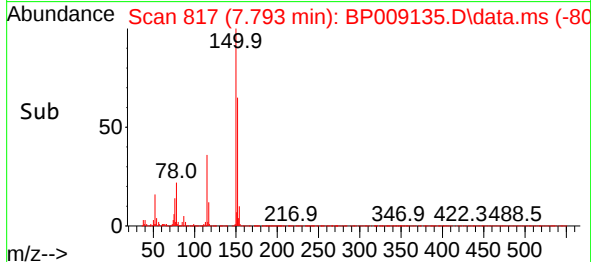
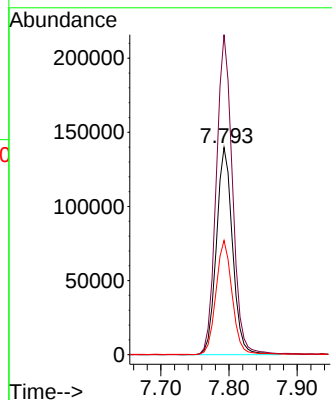
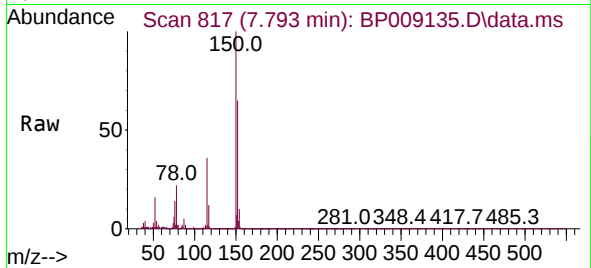




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.793 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

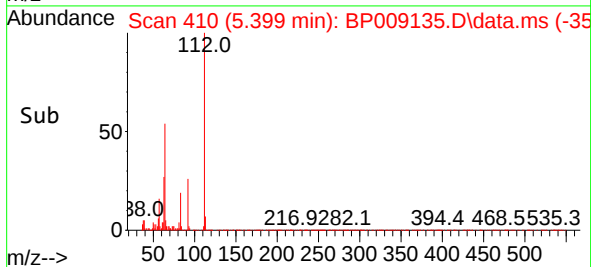
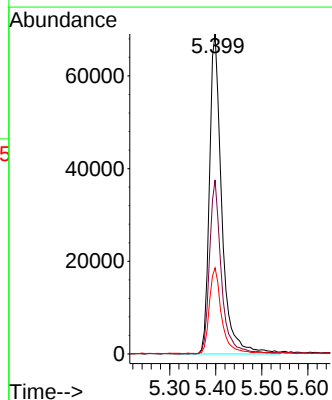
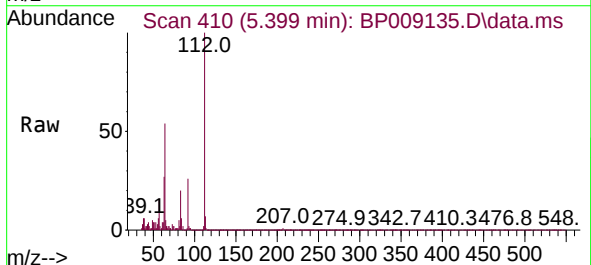
Instrument :
BNA_P
ClientSampleId :
SU-02-021022DL

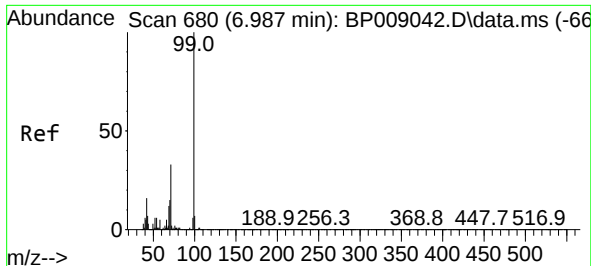
Tgt Ion:152 Resp: 230659
Ion Ratio Lower Upper
152 100
150 154.4 127.0 190.6
115 55.1 43.7 65.5



#5
2-Fluorophenol
Concen: 10.028 ng
RT: 5.399 min Scan# 410
Delta R.T. 0.006 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

Tgt Ion:112 Resp: 129667
Ion Ratio Lower Upper
112 100
64 54.4 39.7 59.5
63 26.9 20.0 30.0

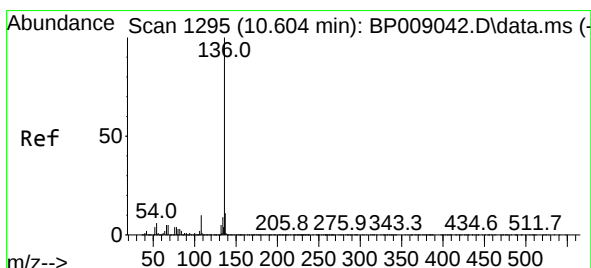
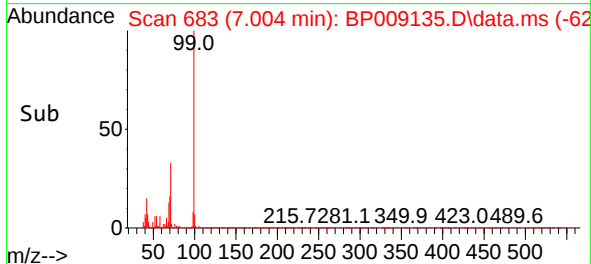
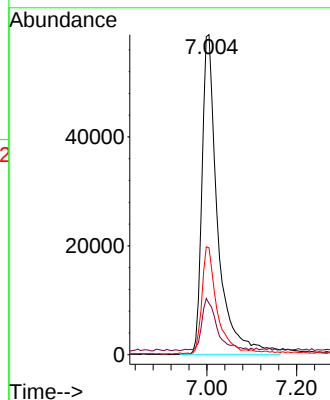
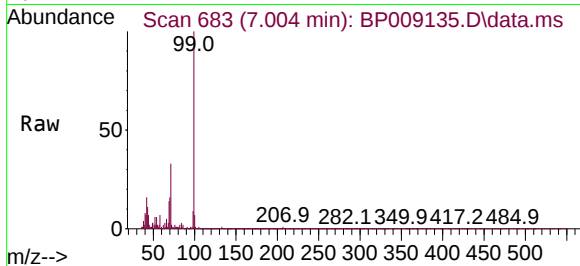




#7
Phenol-d6
Concen: 8.405 ng
RT: 7.004 min Scan# 61
Delta R.T. 0.017 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

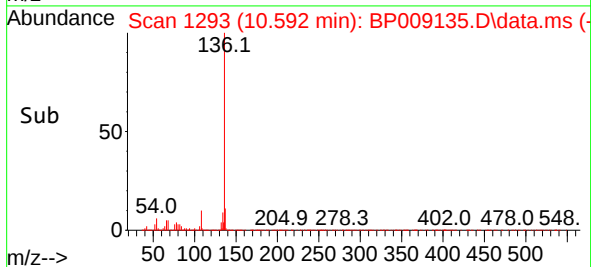
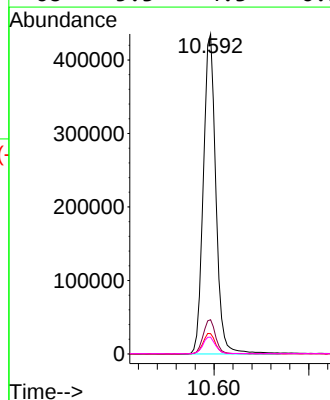
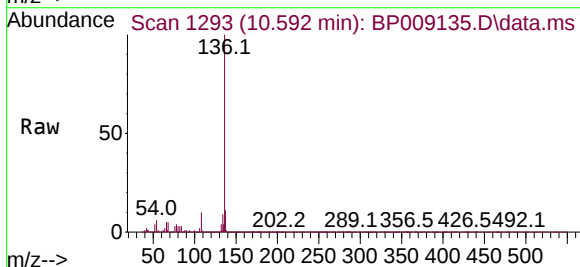
Instrument :
BNA_P
ClientSampleId :
SU-02-021022DL

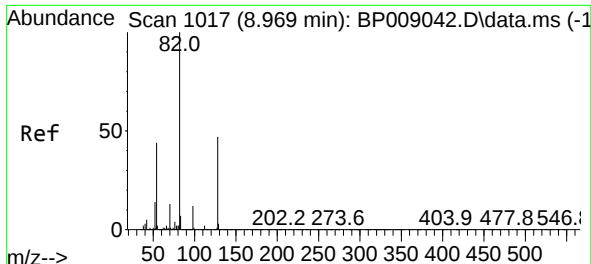
Tgt Ion: 99 Resp: 143201
Ion Ratio Lower Upper
99 100
42 16.0 10.8 16.2
71 33.4 23.8 35.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.592 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

Tgt Ion: 136 Resp: 796557
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 6.3 4.9 7.3
68 5.3 4.3 6.5





#23

Nitrobenzene-d5

Concen: 6.342 ng

RT: 8.963 min Scan# 1017

Delta R.T. -0.006 min

Lab File: BP009135.D

Acq: 14 Feb 2022 15:33

Instrument :

BNA_P

ClientSampleId :

SU-02-021022DL

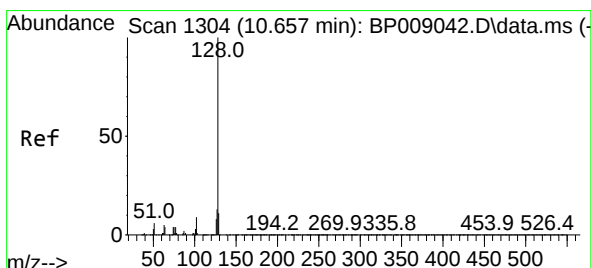
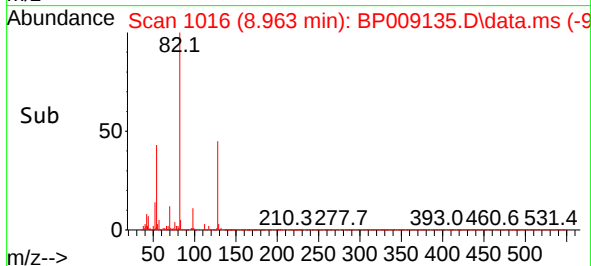
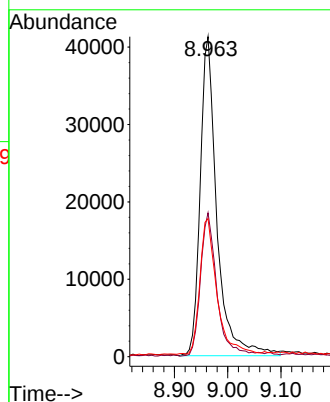
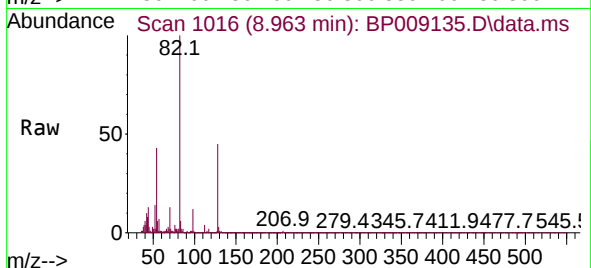
Tgt Ion: 82 Resp: 89581

Ion Ratio Lower Upper

82 100

128 45.0 39.4 59.2

54 43.1 32.6 48.8



#31

Naphthalene

Concen: 2.609 ng

RT: 10.640 min Scan# 1301

Delta R.T. -0.018 min

Lab File: BP009135.D

Acq: 14 Feb 2022 15:33

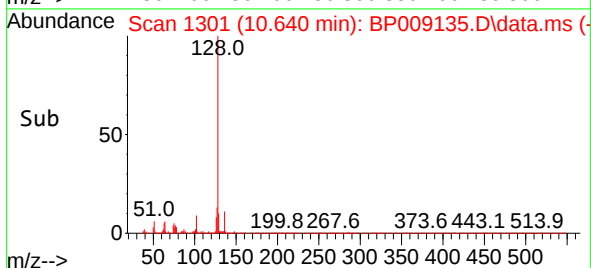
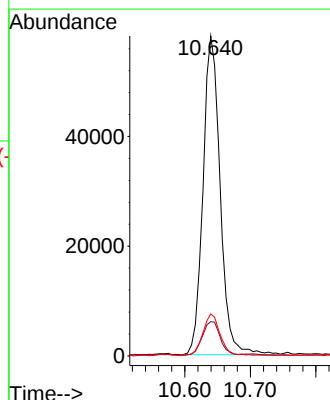
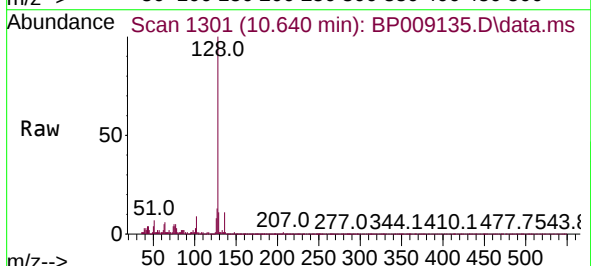
Tgt Ion: 128 Resp: 105998

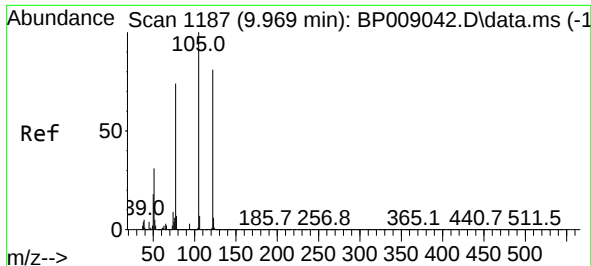
Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

127 13.1 10.4 15.6

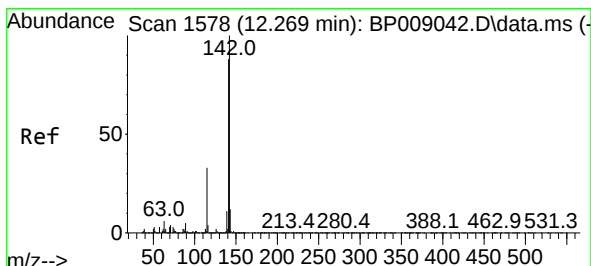
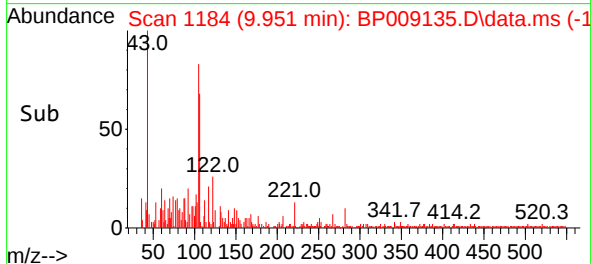
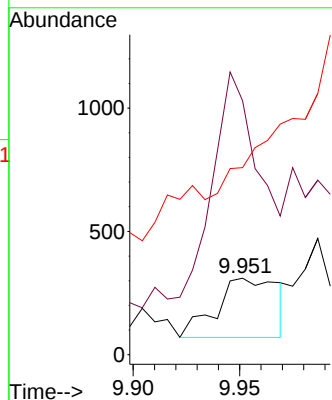
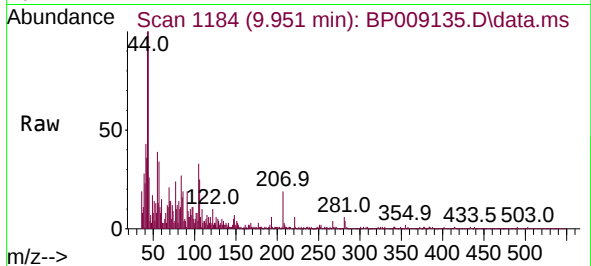




#32
Benzoic acid
Concen: 2.755 ng
RT: 9.951 min Scan# 1184
Delta R.T. -0.018 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

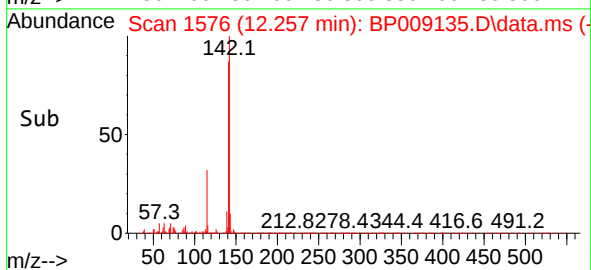
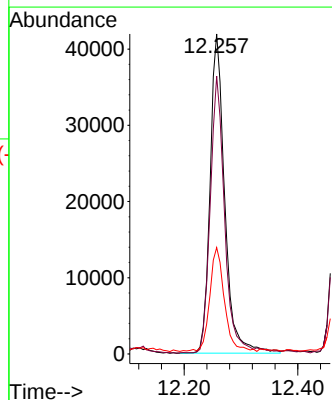
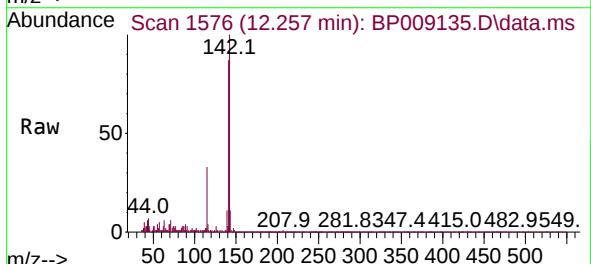
Instrument :
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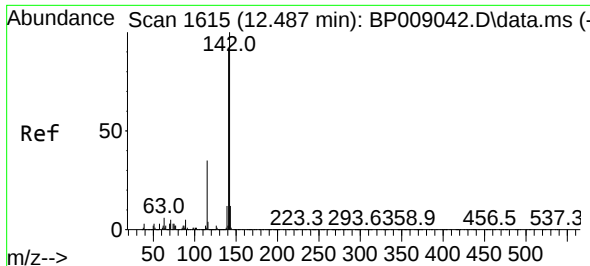
Tgt Ion:122 Resp: 486
Ion Ratio Lower Upper
122 100
105 332.3 100.1 140.1#
77 244.8 65.5 105.5#



#37
2-Methylnaphthalene
Concen: 2.607 ng
RT: 12.257 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

Tgt Ion:142 Resp: 74940
Ion Ratio Lower Upper
142 100
141 86.9 70.5 105.7
115 33.3 24.6 36.8

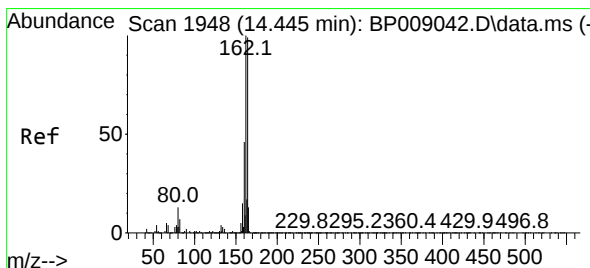
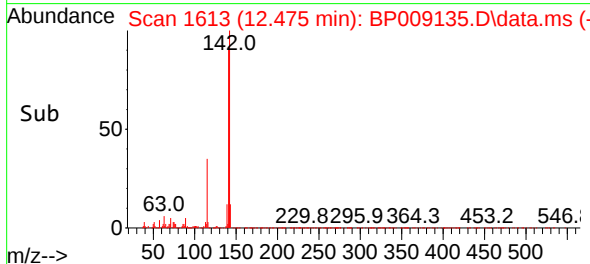
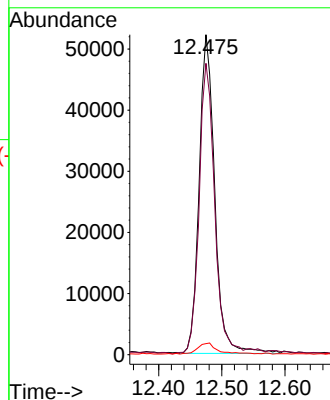
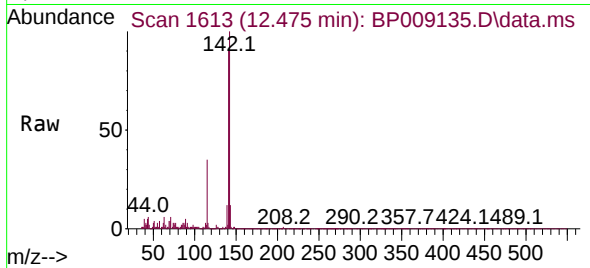




#38
1-Methylnaphthalene
Concen: 3.182 ng
RT: 12.475 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

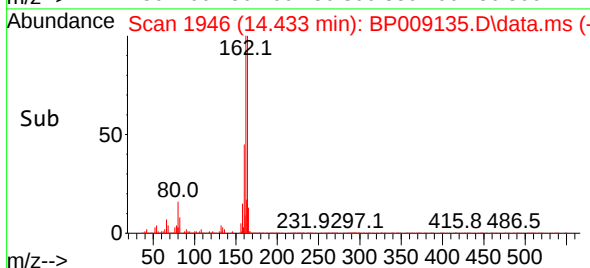
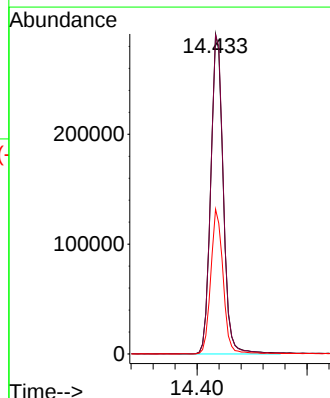
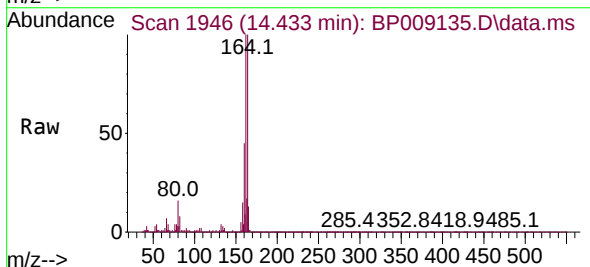
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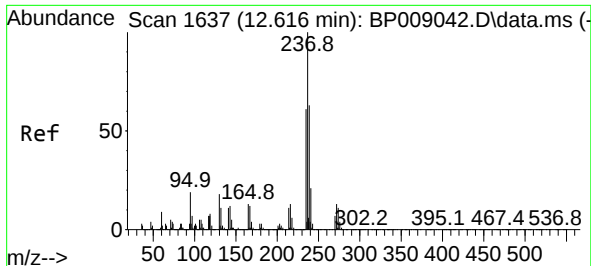
Tgt Ion:142 Resp: 89399
Ion Ratio Lower Upper
142 100
141 91.1 73.2 109.8
116 3.5 2.7 4.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.433 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

Tgt Ion:164 Resp: 458350
Ion Ratio Lower Upper
164 100
162 99.7 79.9 119.9
160 45.2 35.5 53.3

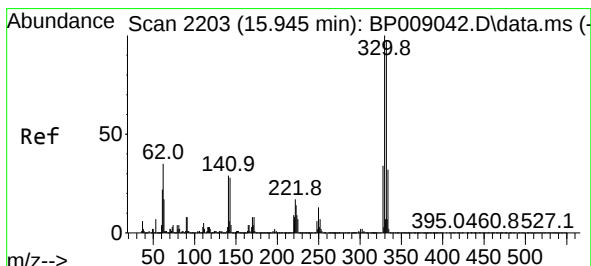
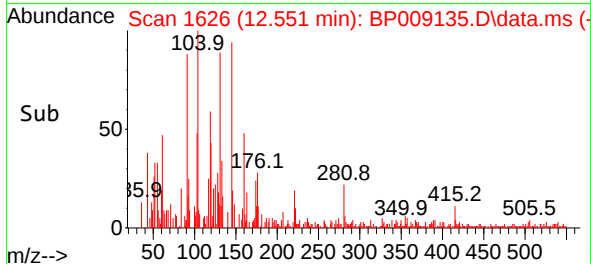
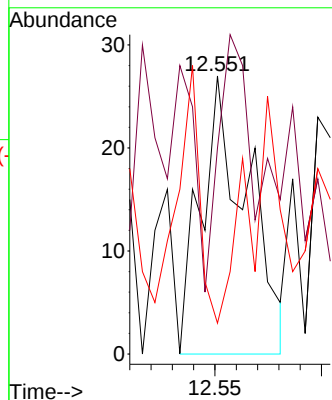
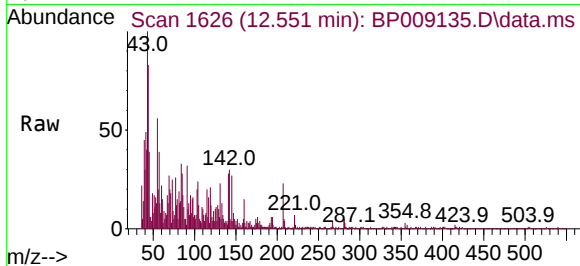




#41
Hexachlorocyclopentadiene
Concen: 8.663 ng
RT: 12.551 min Scan# 1
Delta R.T. -0.065 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

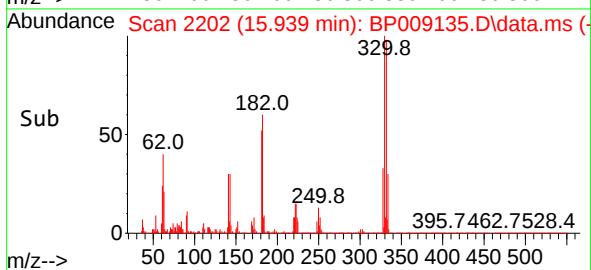
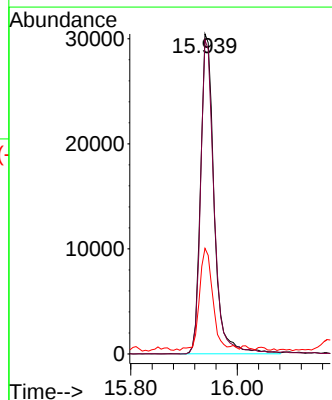
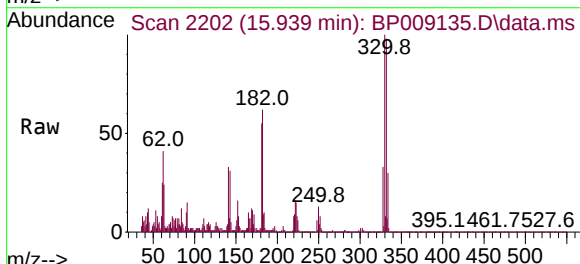
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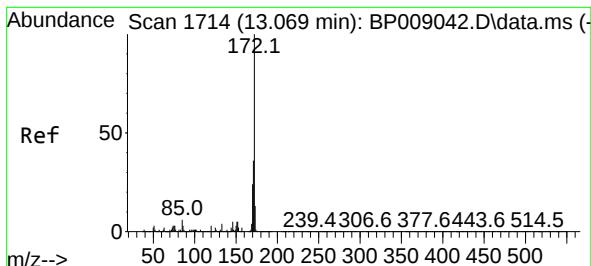
Tgt Ion:	237	Resp:	41
Ion	Ratio	Lower	Upper
237	100		
235	74.1	42.9	82.9
272	11.1	0.0	33.8



#42
2,4,6-Tribromophenol
Concen: 8.800 ng
RT: 15.939 min Scan# 2202
Delta R.T. -0.006 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

Tgt Ion:	330	Resp:	53852
Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.4
141	31.7	21.3	31.9





#45

2-Fluorobiphenyl

Concen: 6.834 ng

RT: 13.057 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP009135.D

Acq: 14 Feb 2022 15:33

Instrument :

BNA_P

ClientSampleId :

SU-02-021022DL

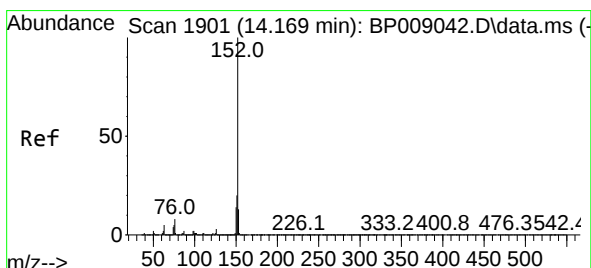
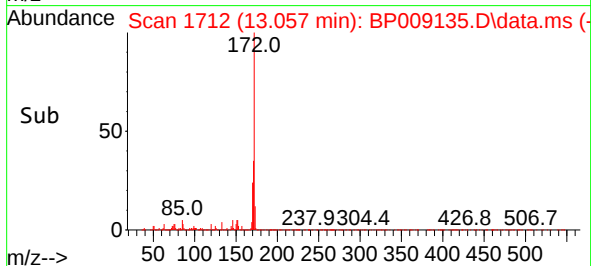
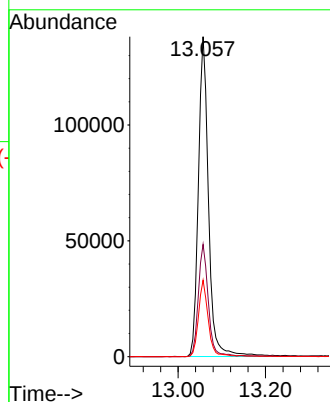
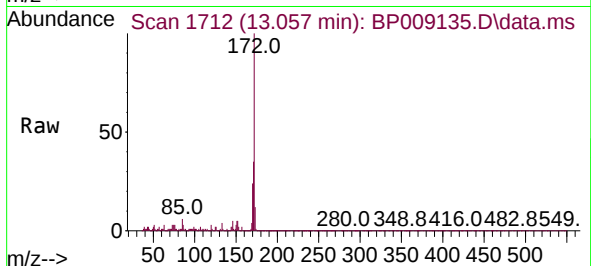
Tgt Ion:172 Resp: 223762

Ion Ratio Lower Upper

172 100

171 35.1 29.3 43.9

170 23.9 19.5 29.3



#49

Acenaphthylene

Concen: 2.554 ng

RT: 14.157 min Scan# 1899

Delta R.T. -0.012 min

Lab File: BP009135.D

Acq: 14 Feb 2022 15:33

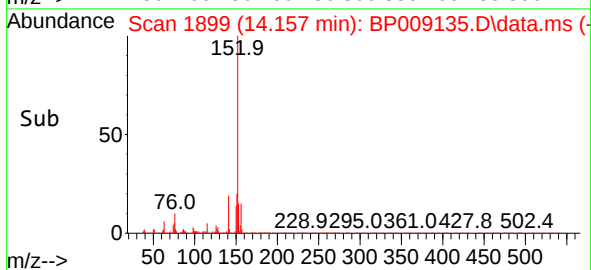
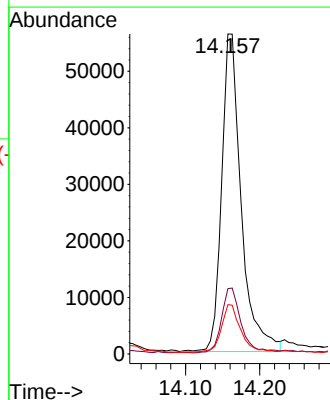
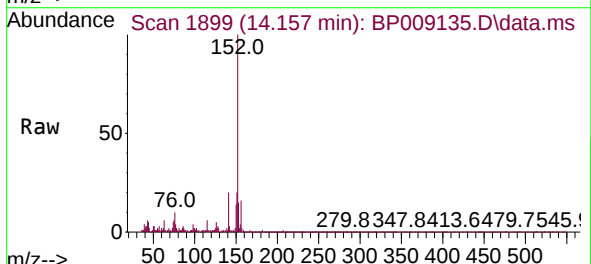
Tgt Ion:152 Resp: 103039

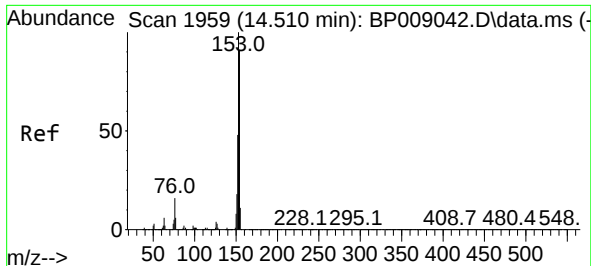
Ion Ratio Lower Upper

152 100

151 20.4 16.1 24.1

153 15.4 10.6 16.0

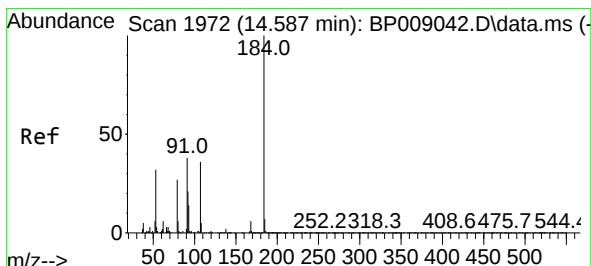
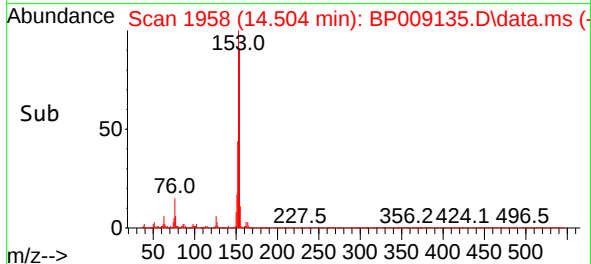
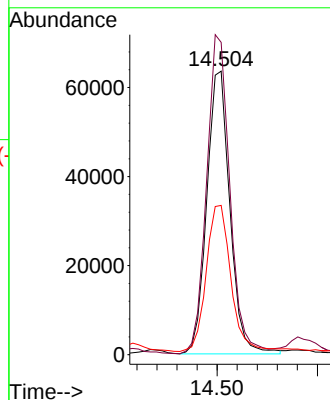
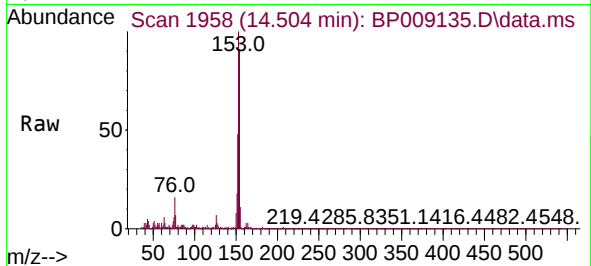




#52
Acenaphthene
Concen: 4.146 ng
RT: 14.504 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

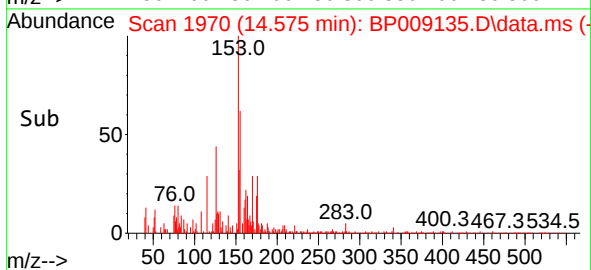
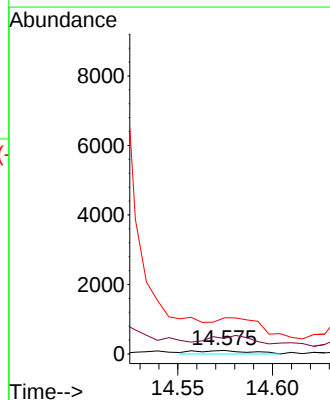
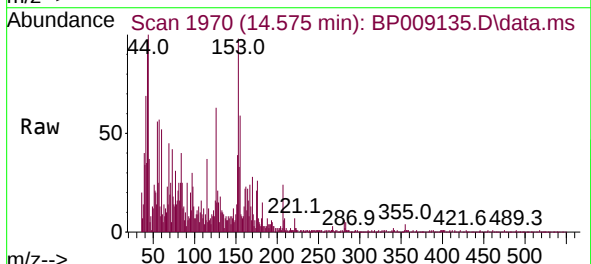
Instrument :
BNA_P
ClientSampleId :
SU-02-021022DL

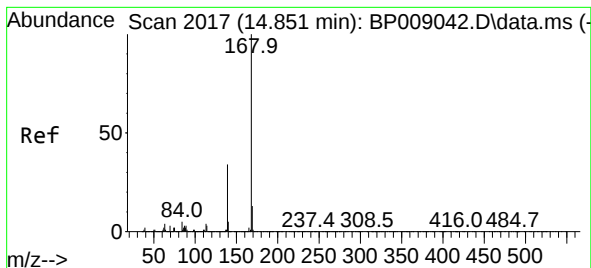
Tgt Ion:154 Resp: 101782
Ion Ratio Lower Upper
154 100
153 110.1 89.4 134.2
152 52.6 42.6 63.8



#54
2,4-Dinitrophenol
Concen: 2.236 ng
RT: 14.575 min Scan# 1970
Delta R.T. -0.012 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

Tgt Ion:184 Resp: 200
Ion Ratio Lower Upper
184 100
63 440.2 35.6 53.4#
154 1019.6 43.4 65.0#





#55

Dibenzofuran

Concen: 2.286 ng

RT: 14.839 min Scan# 2017

Delta R.T. -0.012 min

Lab File: BP009135.D

Acq: 14 Feb 2022 15:33

Instrument :

BNA_P

ClientSampleId :

SU-02-021022DL

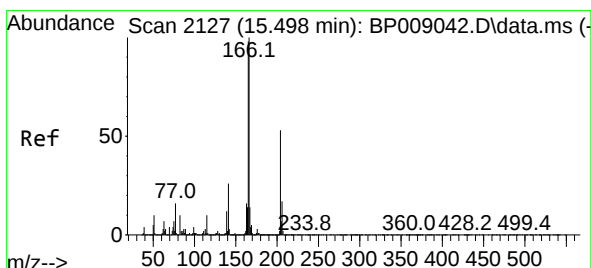
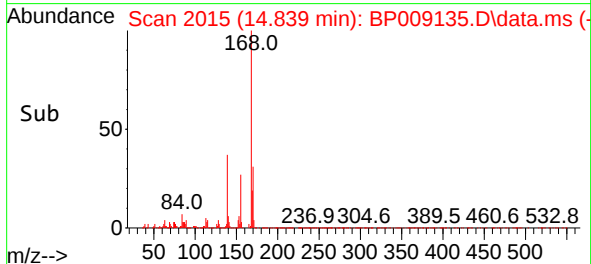
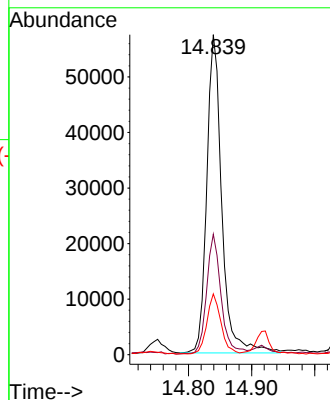
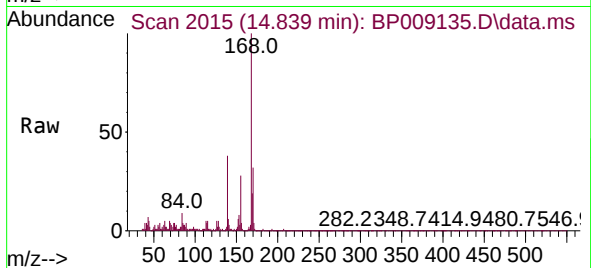
Tgt Ion:168 Resp: 94555

Ion Ratio Lower Upper

168 100

139 37.6 27.4 41.0

169 19.0 10.9 16.3#



#58

Fluorene

Concen: 5.951 ng

RT: 15.492 min Scan# 2126

Delta R.T. -0.006 min

Lab File: BP009135.D

Acq: 14 Feb 2022 15:33

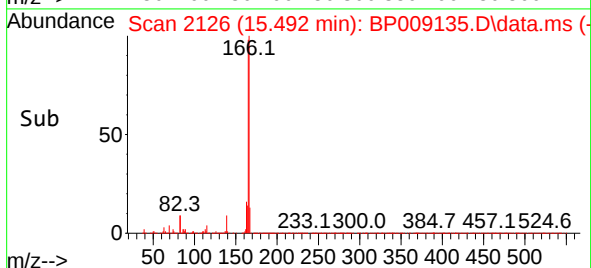
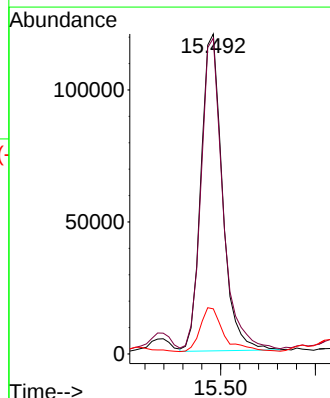
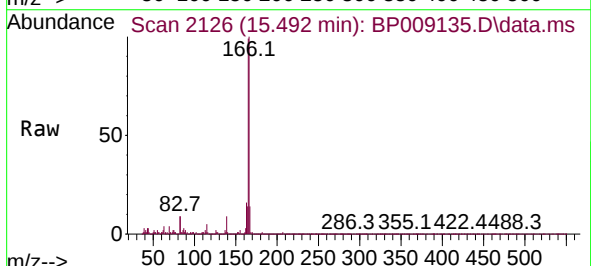
Tgt Ion:166 Resp: 189084

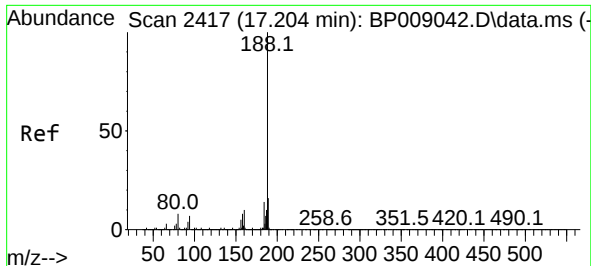
Ion Ratio Lower Upper

166 100

165 98.6 77.2 115.8

167 14.1 11.2 16.8

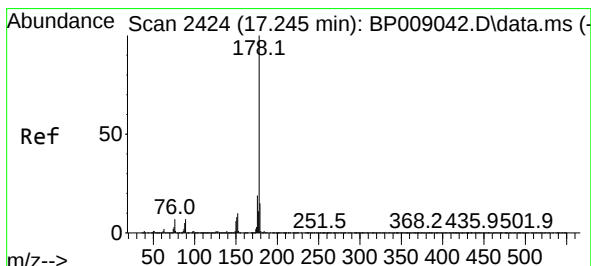
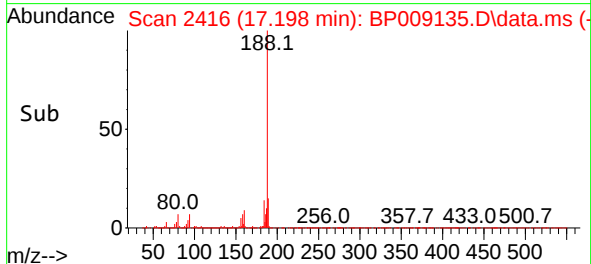
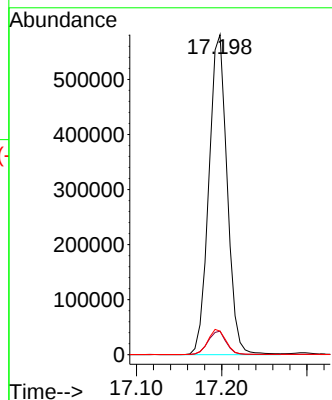
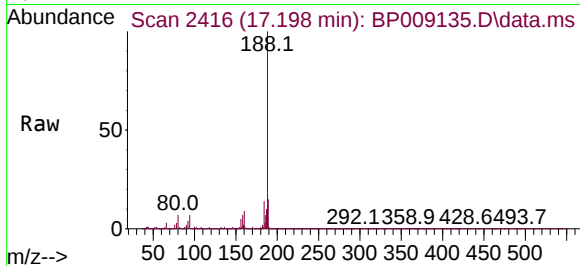




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

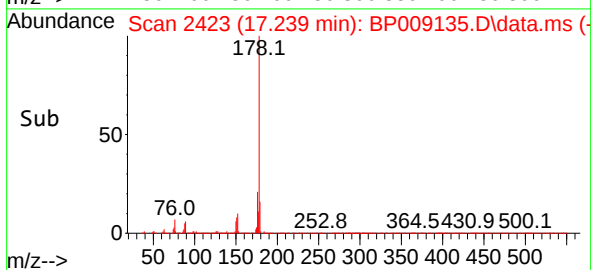
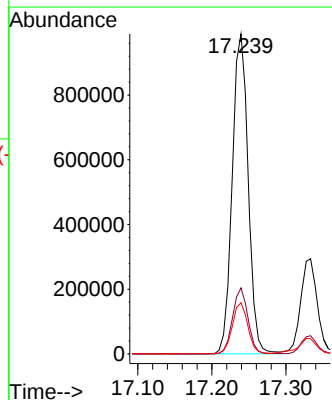
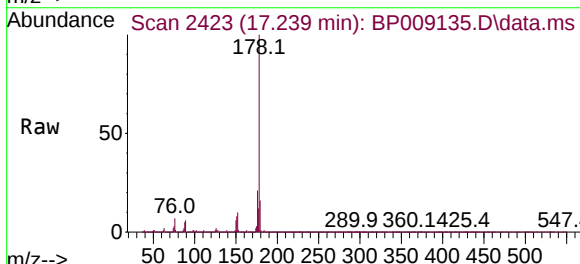
Instrument :
BNA_P
ClientSampleId :
SU-02-021022DL

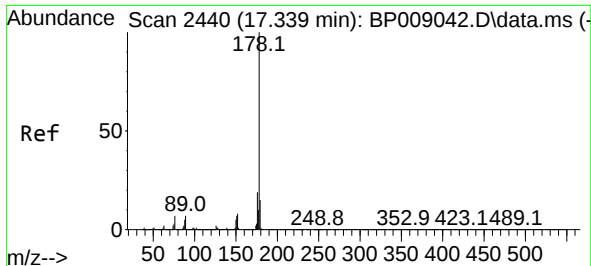
Tgt Ion:188 Resp: 865705
Ion Ratio Lower Upper
188 100
94 7.3 6.8 10.2
80 7.4 7.2 10.8



#71
Phenanthrene
Concen: 31.479 ng
RT: 17.239 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

Tgt Ion:178 Resp: 1475581
Ion Ratio Lower Upper
178 100
176 20.7 16.0 24.0
179 16.0 13.0 19.4

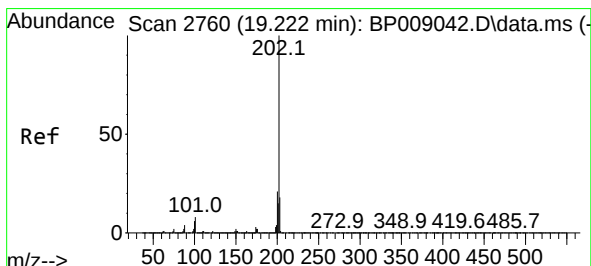
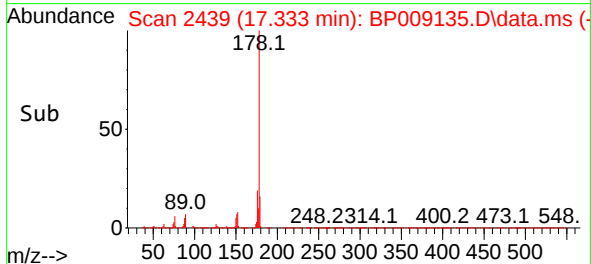
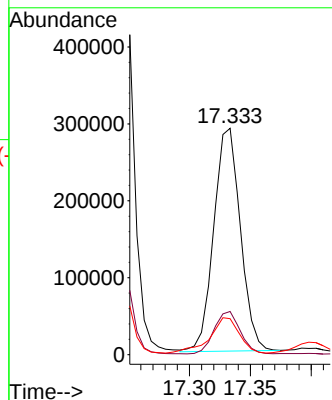
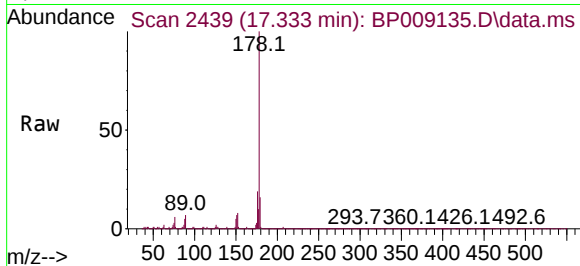




#72
 Anthracene
 Concen: 9.618 ng
 RT: 17.333 min Scan# 2440
 Delta R.T. -0.006 min
 Lab File: BP009135.D
 Acq: 14 Feb 2022 15:33

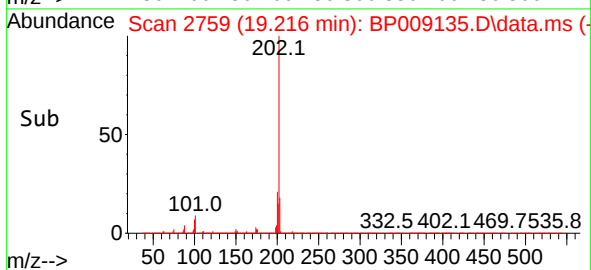
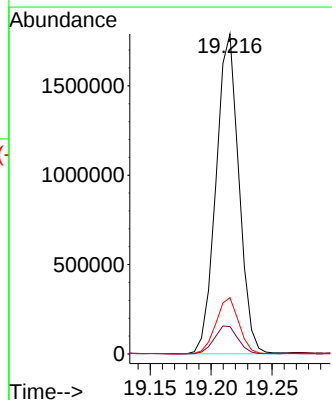
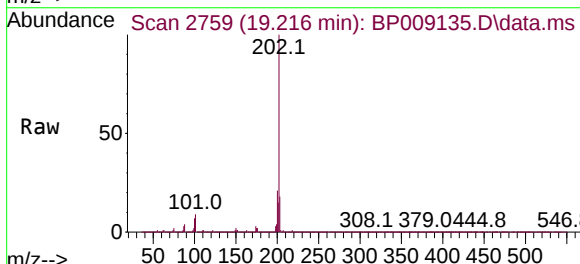
Instrument :
 BNA_P
 ClientSampleId :
 SU-02-021022DL

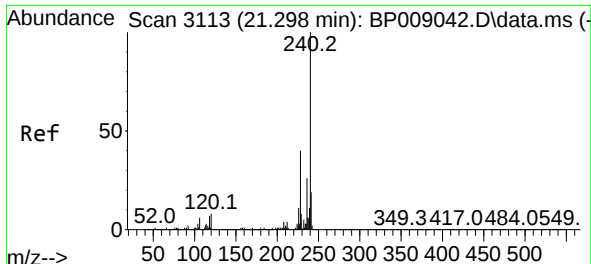
Tgt Ion:178 Resp: 441085
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.1 22.7
 179 15.9 12.8 19.2



#75
 Fluoranthene
 Concen: 44.558 ng
 RT: 19.216 min Scan# 2759
 Delta R.T. -0.006 min
 Lab File: BP009135.D
 Acq: 14 Feb 2022 15:33

Tgt Ion:202 Resp: 2340974
 Ion Ratio Lower Upper
 202 100
 101 8.5 0.0 30.7
 203 17.6 0.0 38.9

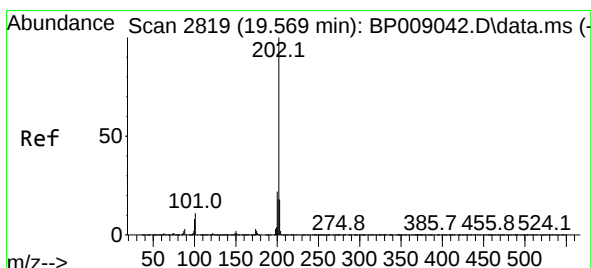
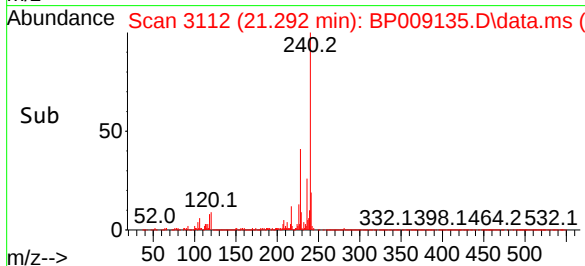
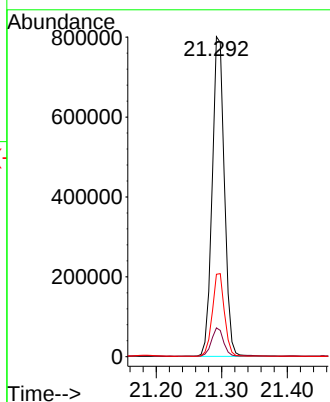
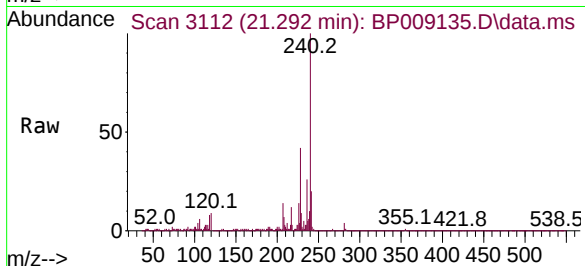




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.292 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

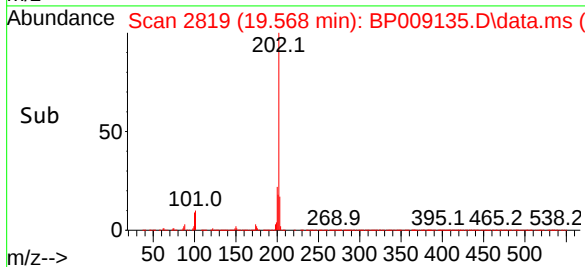
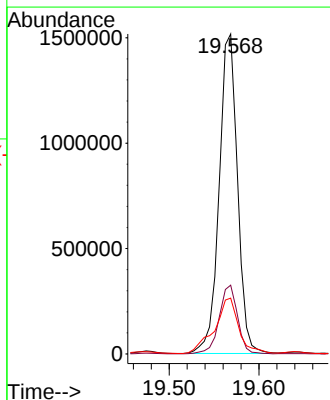
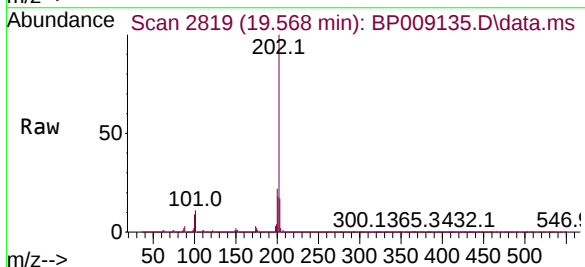
Instrument :
BNA_P
ClientSampleId :
SU-02-021022DL

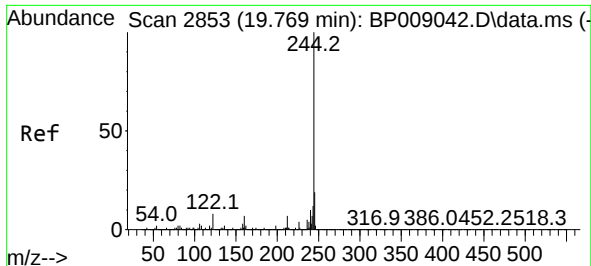
Tgt Ion:240 Resp: 1034910
Ion Ratio Lower Upper
240 100
120 9.0 7.7 11.5
236 25.7 21.2 31.8



#78
Pyrene
Concen: 29.298 ng
RT: 19.568 min Scan# 2819
Delta R.T. -0.000 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

Tgt Ion:202 Resp: 2156880
Ion Ratio Lower Upper
202 100
200 21.5 18.0 27.0
203 17.5 15.0 22.6

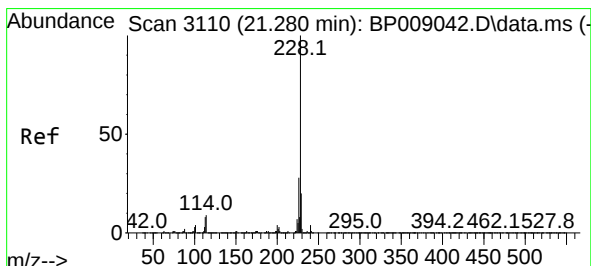
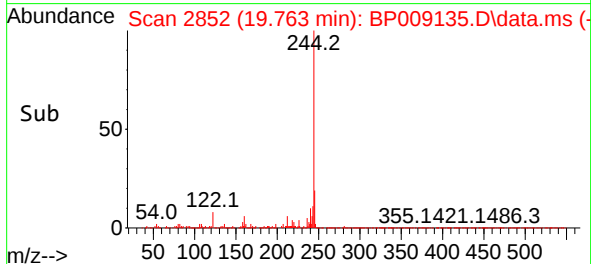
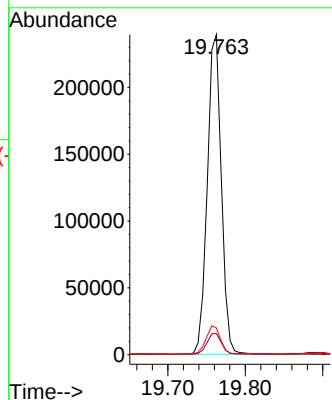
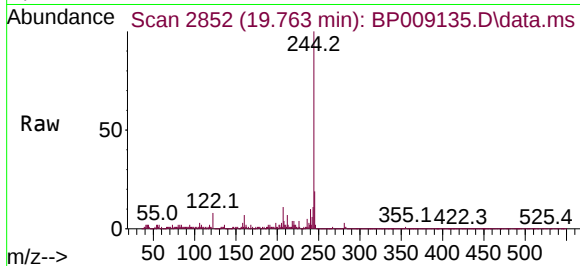




#79
 Terphenyl-d14
 Concen: 5.221 ng
 RT: 19.763 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP009135.D
 Acq: 14 Feb 2022 15:33

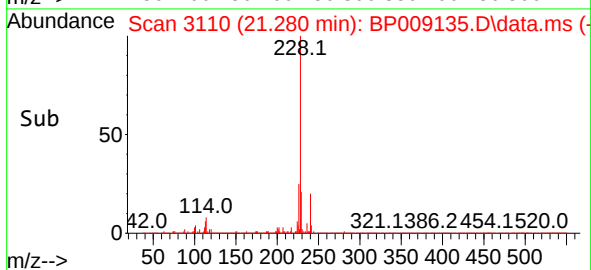
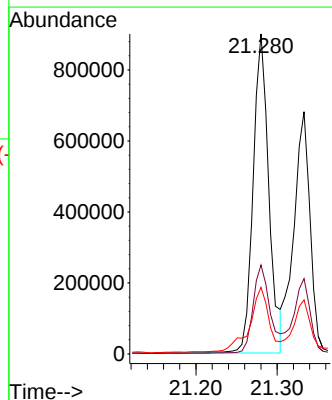
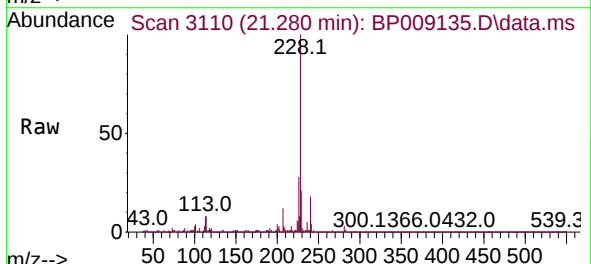
Instrument :
 BNA_P
 ClientSampleId :
 SU-02-021022DL

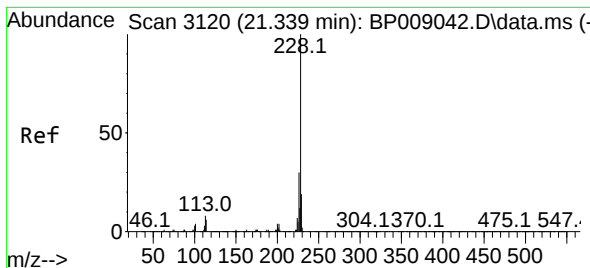
Tgt Ion:244 Resp: 300446
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.5 9.7
 122 8.4 9.2 13.8#



#81
 Benzo(a)anthracene
 Concen: 18.156 ng
 RT: 21.280 min Scan# 3110
 Delta R.T. -0.000 min
 Lab File: BP009135.D
 Acq: 14 Feb 2022 15:33

Tgt Ion:228 Resp: 1210847
 Ion Ratio Lower Upper
 228 100
 226 27.8 23.3 34.9
 229 20.8 17.0 25.6





#83

Chrysene

Concen: 14.763 ng

RT: 21.333 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BP009135.D

Acq: 14 Feb 2022 15:33

Instrument :

BNA_P

ClientSampleId :

SU-02-021022DL

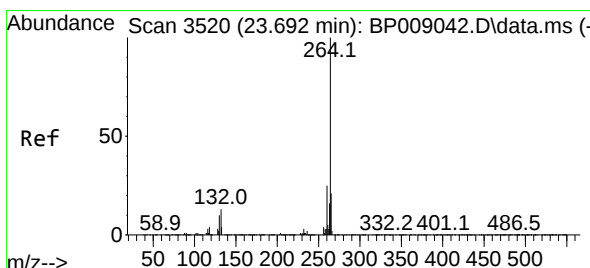
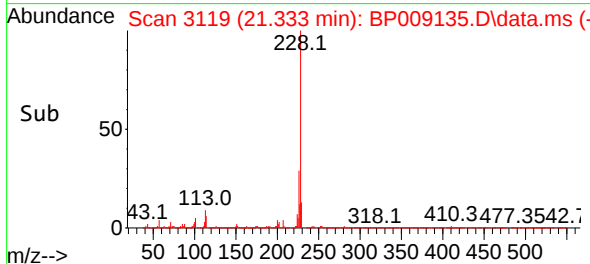
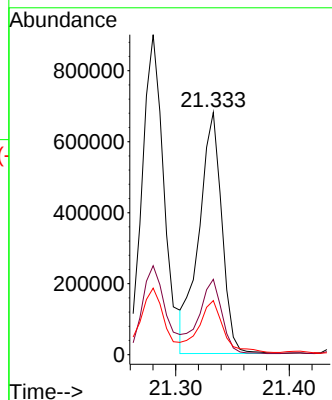
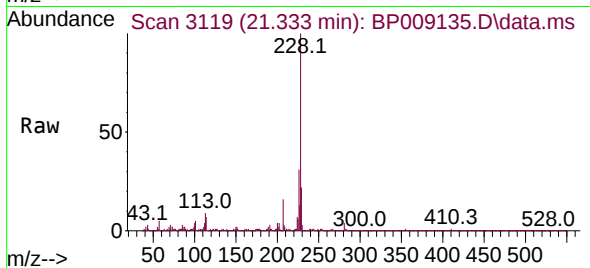
Tgt Ion:228 Resp: 949135

Ion Ratio Lower Upper

228 100

226 31.1 26.0 39.0

229 22.3 16.9 25.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.692 min Scan# 3520

Delta R.T. -0.000 min

Lab File: BP009135.D

Acq: 14 Feb 2022 15:33

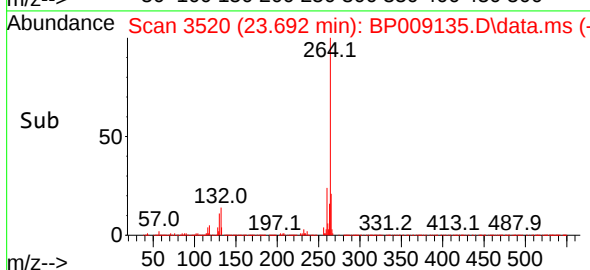
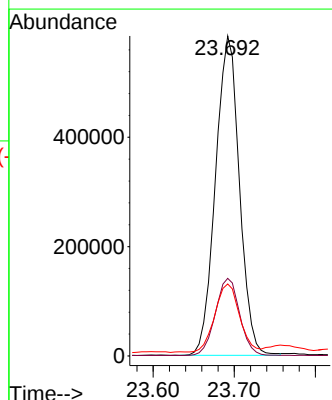
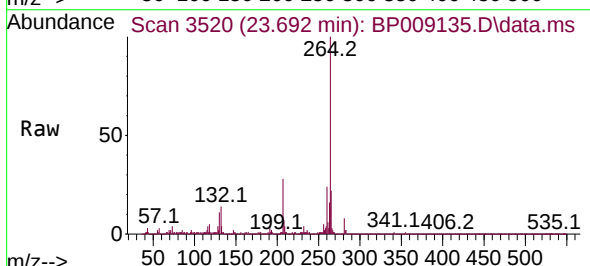
Tgt Ion:264 Resp: 1195530

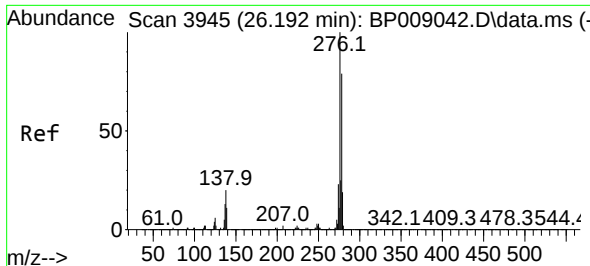
Ion Ratio Lower Upper

264 100

260 24.3 19.1 28.7

265 22.5 17.1 25.7

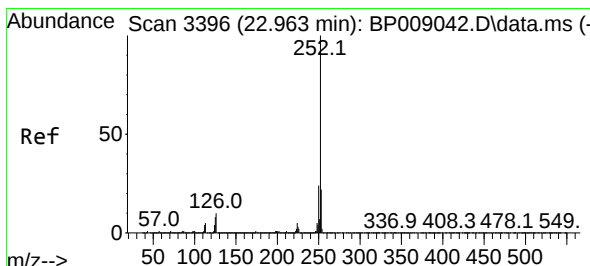
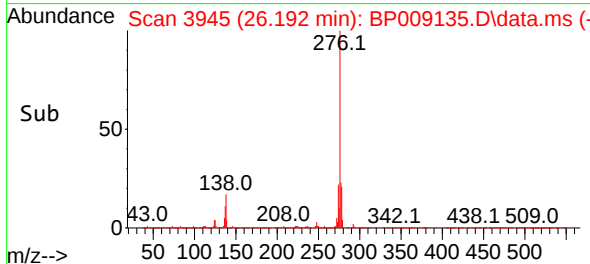
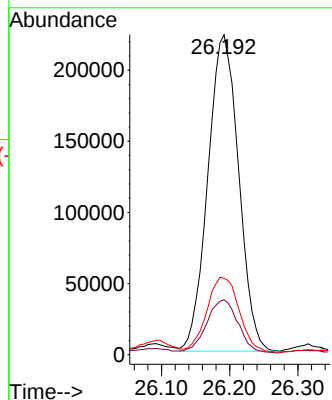
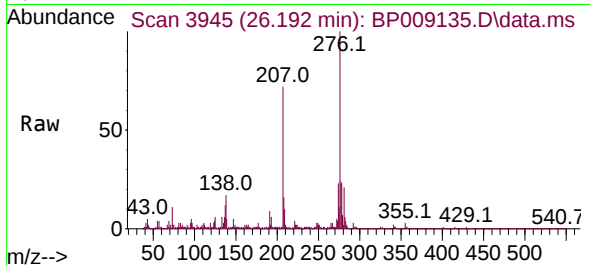




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.862 ng
 RT: 26.192 min Scan# 3945
 Delta R.T. -0.000 min
 Lab File: BP009135.D
 Acq: 14 Feb 2022 15:33

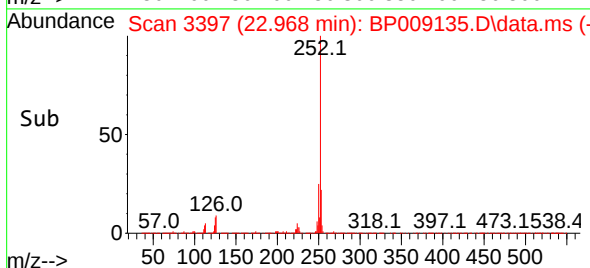
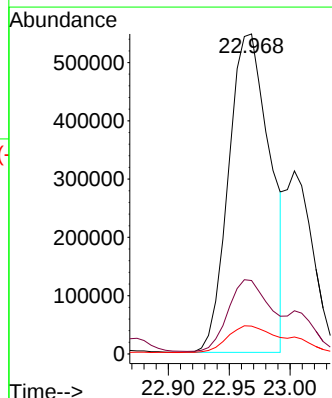
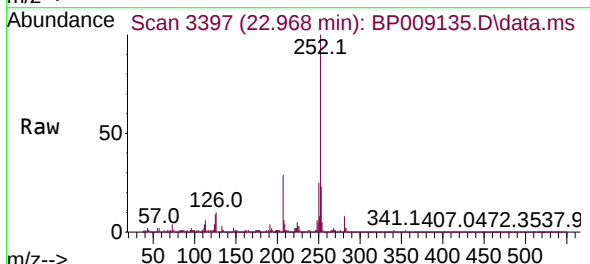
Instrument :
 BNA_P
 ClientSampleId :
 SU-02-021022DL

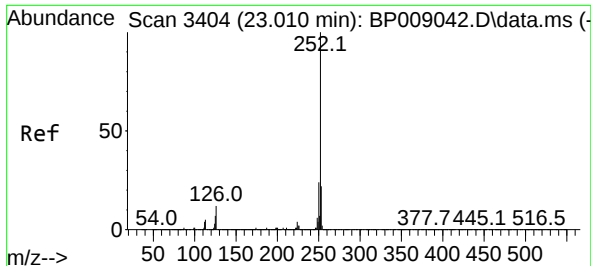
Tgt Ion: 276 Resp: 698361
 Ion Ratio Lower Upper
 276 100
 138 17.1 17.8 26.6#
 277 24.8 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 17.585 ng
 RT: 22.968 min Scan# 3397
 Delta R.T. 0.006 min
 Lab File: BP009135.D
 Acq: 14 Feb 2022 15:33

Tgt Ion: 252 Resp: 1294222
 Ion Ratio Lower Upper
 252 100
 253 22.9 18.0 27.0
 125 8.7 6.9 10.3

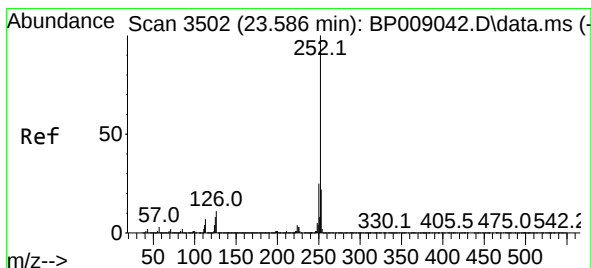
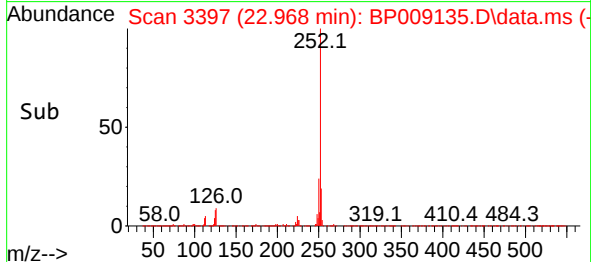
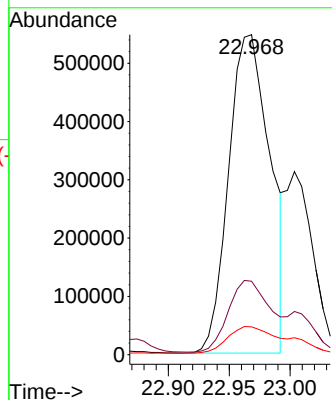
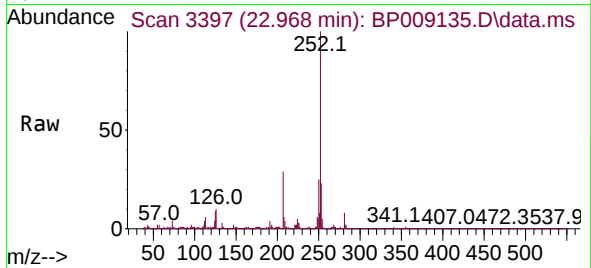




#89
Benzo(k)fluoranthene
Concen: 17.626 ng
RT: 22.968 min Scan# 31
Delta R.T. -0.041 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

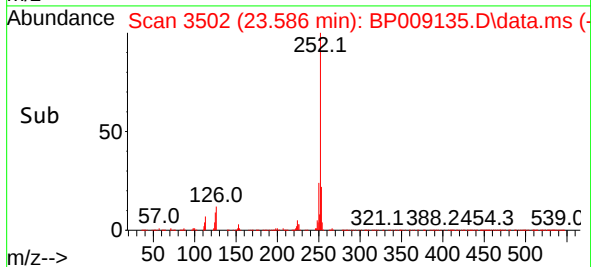
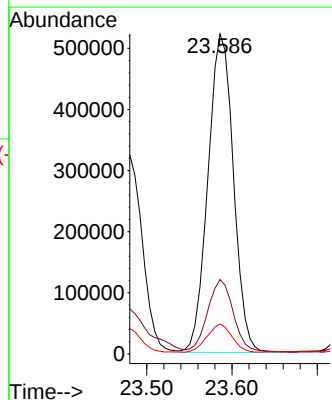
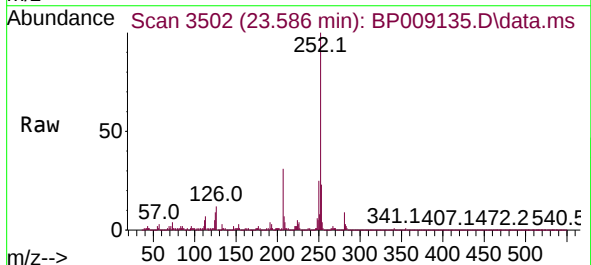
Instrument :
BNA_P
ClientSampleId :
SU-02-021022DL

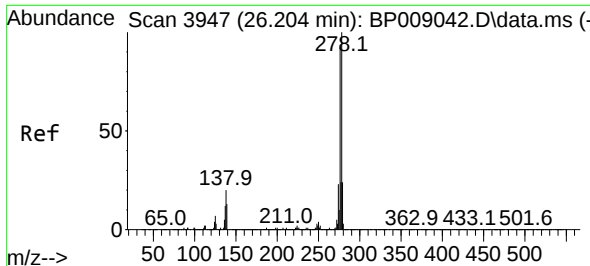
Tgt Ion:252 Resp: 1294222
Ion Ratio Lower Upper
252 100
253 22.9 18.2 27.2
125 8.7 7.3 10.9



#90
Benzo(a)pyrene
Concen: 17.645 ng
RT: 23.586 min Scan# 3502
Delta R.T. -0.000 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

Tgt Ion:252 Resp: 1082712
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 9.4 7.8 11.6

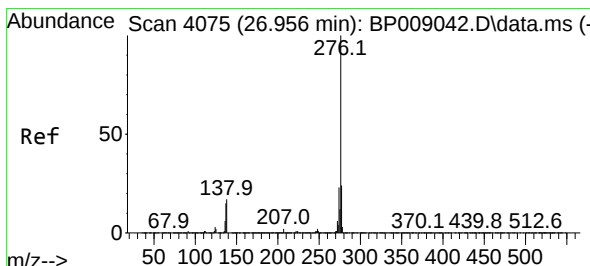
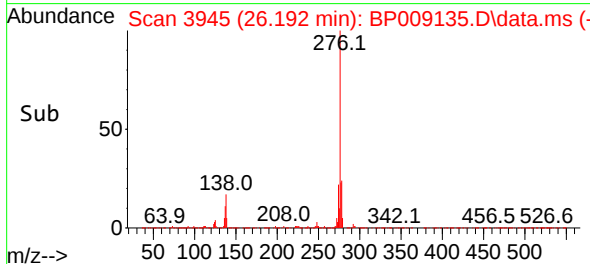
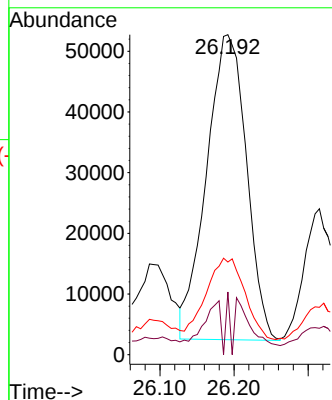
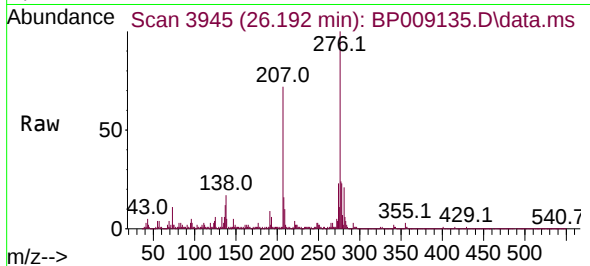




#91
Dibenzo(a,h)anthracene
Concen: 2.580 ng
RT: 26.192 min Scan# 3947
Delta R.T. -0.012 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

Instrument :
BNA_P
ClientSampleId :
SU-02-021022DL

Tgt Ion:278 Resp: 188323
Ion Ratio Lower Upper
278 100
139 19.6 11.5 17.3#
279 29.0 19.1 28.7#



#92
Benzo(g,h,i)perylene
Concen: 9.288 ng
RT: 26.956 min Scan# 4075
Delta R.T. -0.000 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

Tgt Ion:276 Resp: 675097
Ion Ratio Lower Upper
276 100
277 24.5 19.2 28.8
138 17.8 15.0 22.4

