

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
 Data File : BP012000.D
 Acq On : 07 Oct 2022 08:52
 Operator : CG/JU
 Sample : N4923-16
 Misc :
 ALS Vial : 89 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E10036

Quant Time: Oct 07 23:05:12 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 07 03:22:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.875	152	263953	20.000	ng/ul	0.00
20) Naphthalene-d8	10.687	136	1087061	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.528	164	655722	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.286	188	1310978	20.000	ng/ul	0.00
79) Chrysene-d12	21.369	240	1358972	20.000	ng/ul	0.00
88) Perylene-d12	23.804	264	1449590	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.299	96	23302	3.893	ng/uL	0.00
4) Pyridine-d5	3.728	84	153140	8.736	ng/ul	0.01
7) Phenol-d5	7.046	99	117592	5.160	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.205	67	302983	23.988	ng/ul	0.00
11) 2-Chlorophenol-d4	7.405	132	349068	19.405	ng/ul	0.00
15) 4-Methylphenol-d8	8.593	113	225365	11.964	ng/ul	0.00
21) Nitrobenzene-d5	9.046	128	230078	27.787	ng/ul	0.00
24) 2-Nitrophenol-d4	9.763	143	243354	27.471	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.304	165	407851	24.891	ng/ul	0.00
31) 4-Chloroaniline-d4	10.828	131	624384	24.995	ng/ul	0.00
46) Dimethylphthalate-d6	13.940	166	1341272	28.604	ng/ul	0.00
49) Acenaphthylene-d8	14.216	160	1599611	29.924	ng/ul	0.00
54) 4-Nitrophenol-d4	14.739	143	51963	5.351	ng/ul	0.02
60) Fluorene-d10	15.522	176	1224906	30.080	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.645	200	205551	25.905	ng/ul	0.01
73) Anthracene-d10	17.381	188	1883115	31.534	ng/ul	0.00
81) Pyrene-d10	19.622	212	2161808	31.411	ng/ul	0.01
92) Benzo(a)pyrene-d12	23.645	264	2256097	31.091	ng/ul	0.01
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.016	77	11322	1.134	ng/ul#	1
8) Phenol	7.075	94	45667	1.932	ng/ul	97
13) 2-Methylphenol	8.328	108	33908	1.821	ng/ul	86
19) Hexachloroethane	8.981	117	20230	2.820	ng/ul#	6
26) 2,4-Dimethylphenol	9.857	107	137956	7.258	ng/ul	95
37) 1-Methylnaphthalene	12.569	142	2400112	58.661	ng/ul	99
43) 1,1'-Biphenyl	13.357	154	339482	7.000	ng/ul	100
50) Acenaphthylene	14.245	152	2450480	41.275	ng/ul	99
52) Acenaphthene	14.592	153	3236551	77.269	ng/ul	99
56) Dibenzofuran	14.922	168	2482474	43.271	ng/ul	99
61) Fluorene	15.575	166	2244773	47.772	ng/ul	99
63) 4-Nitroaniline	15.575	138	24588	2.321	ng/ul#	49
72) Phenanthrene	17.328	178	858616	11.918	ng/ul	99
74) Anthracene	17.416	178	613062	8.457	ng/ul	99
77) Carbazole	17.692	167	2573208	39.288	ng/ul	99
80) Fluoranthene	19.292	202	952148	11.304	ng/ul	99
82) Pyrene	19.645	202	766438	8.740	ng/ul	100
85) Benzo(a)anthracene	21.357	228	304560	3.427	ng/ul	93
87) Chrysene	21.410	228	240508	2.884	ng/ul	96
90) Benzo(b)fluoranthene	23.063	252	258867	2.798	ng/ul#	95
91) Benzo(k)fluoranthene	23.063	252	258867	2.905	ng/ul#	95
93) Benzo(a)pyrene	23.692	252	223306	2.704	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	26.327	276	112201	1.068	ng/ul	93
96) Benzo(g,h,i)perylene	27.109	276	97029	1.041	ng/ul	99

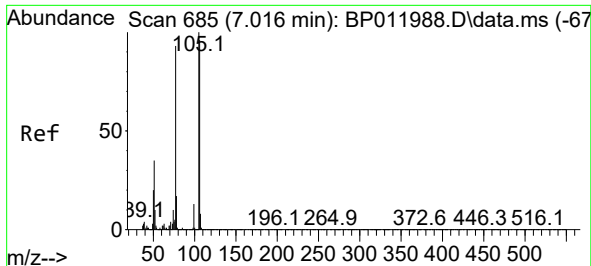
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
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Response via : Initial Calibration

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

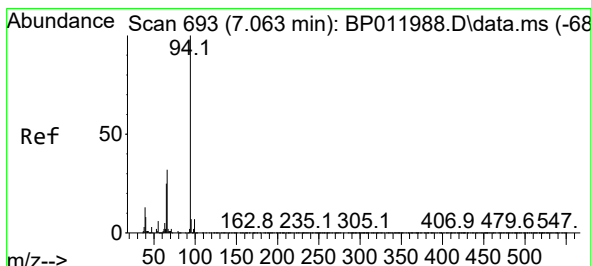
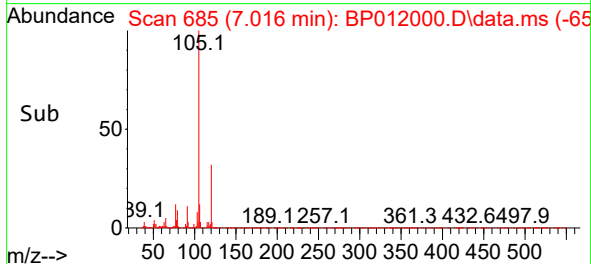
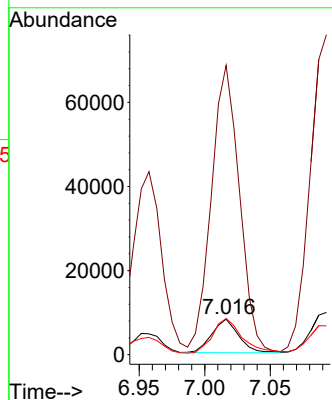
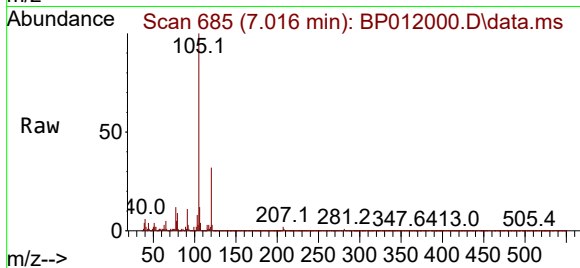
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6
Benzaldehyde
Concen: 1.134 ng/ul
RT: 7.016 min Scan# 611
Delta R.T. -0.000 min
Lab File: BP012000.D
Acq: 07 Oct 2022 08:52

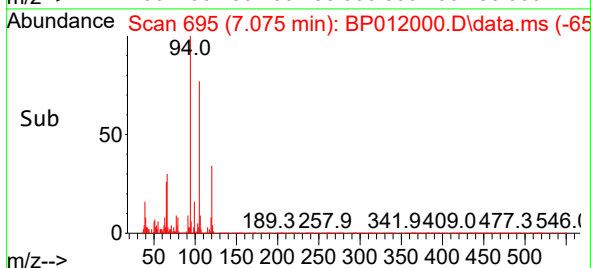
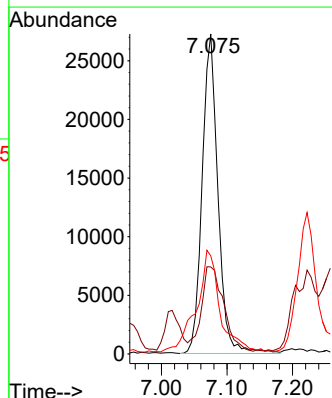
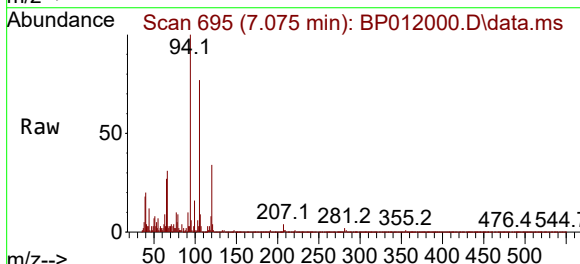
Instrument :
BNA_P
ClientSampleId :
E10036

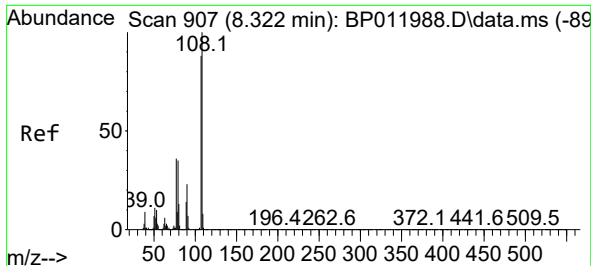
Tgt Ion: 77 Resp: 11322
Ion Ratio Lower Upper
77 100
105 815.2 87.0 130.6#
106 101.8 83.8 125.6



#8
Phenol
Concen: 1.932 ng/ul
RT: 7.075 min Scan# 695
Delta R.T. 0.012 min
Lab File: BP012000.D
Acq: 07 Oct 2022 08:52

Tgt Ion: 94 Resp: 45667
Ion Ratio Lower Upper
94 100
65 27.2 19.5 29.3
66 30.7 25.0 37.4

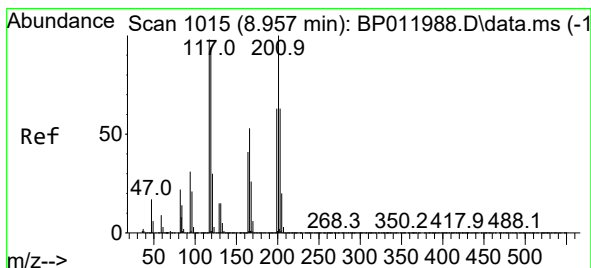
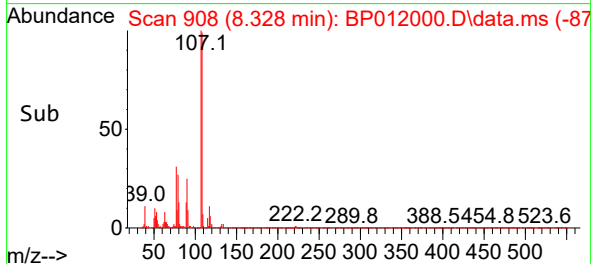
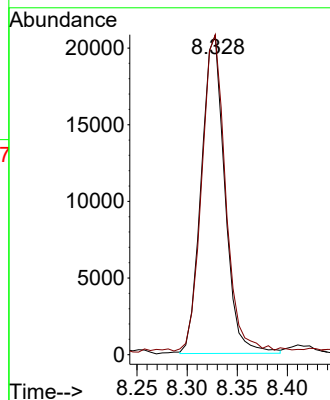
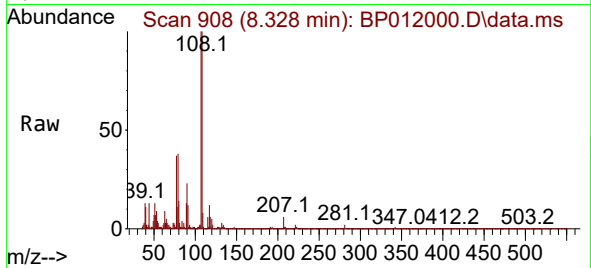




#13
2-Methylphenol
Concen: 1.821 ng/ul
RT: 8.328 min Scan# 907
Delta R.T. 0.006 min
Lab File: BP012000.D
Acq: 07 Oct 2022 08:52

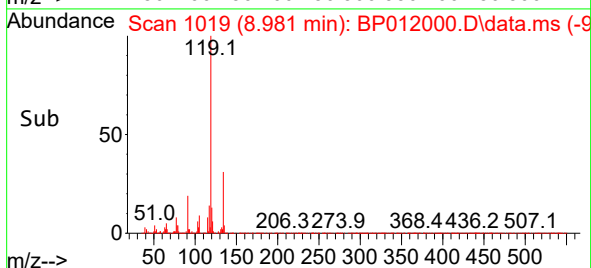
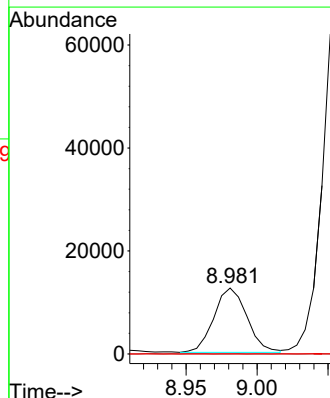
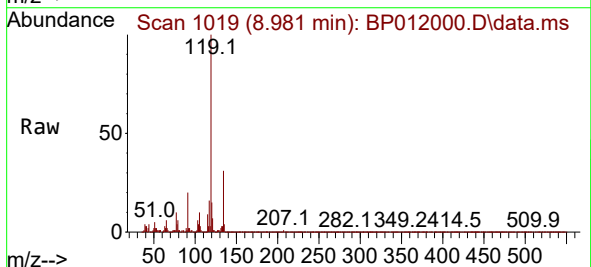
Instrument :
BNA_P
ClientSampleId :
E10036

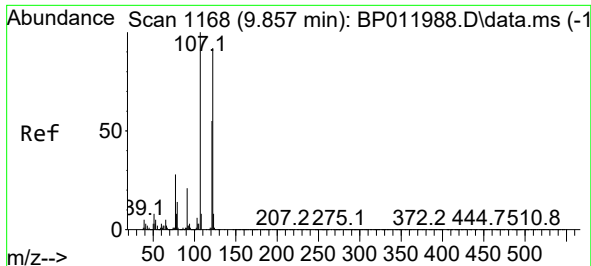
Tgt Ion:108 Resp: 33908
Ion Ratio Lower Upper
108 100
107 100.3 70.2 105.2



#19
Hexachloroethane
Concen: 2.820 ng/ul
RT: 8.981 min Scan# 1019
Delta R.T. 0.023 min
Lab File: BP012000.D
Acq: 07 Oct 2022 08:52

Tgt Ion:117 Resp: 20230
Ion Ratio Lower Upper
117 100
201 0.0 82.4 123.6#
199 0.3 51.6 77.4#

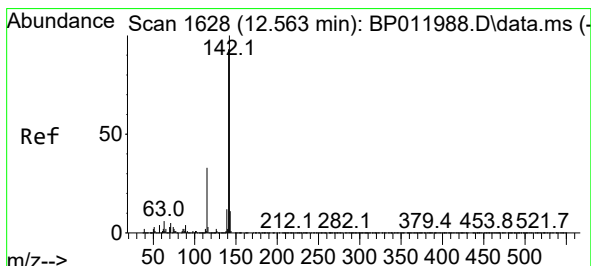
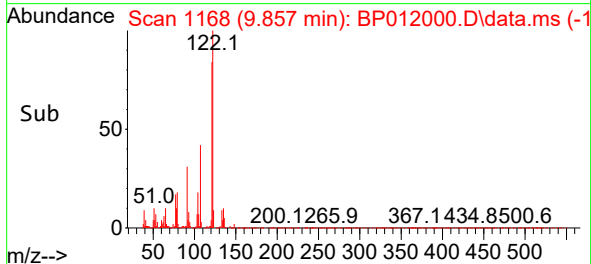
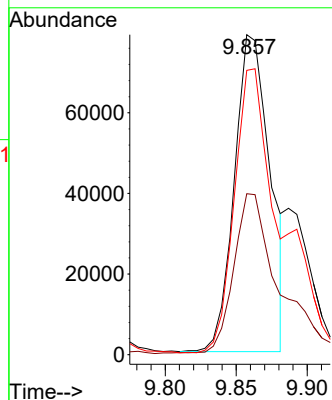
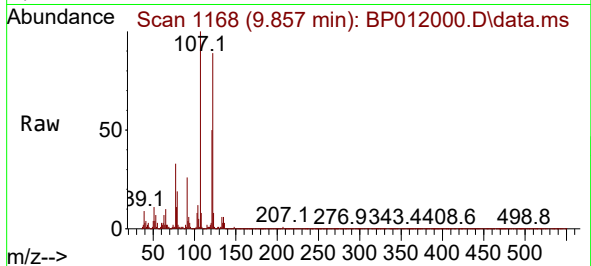




#26
2,4-Dimethylphenol
Concen: 7.258 ng/ul
RT: 9.857 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BP012000.D
Acq: 07 Oct 2022 08:52

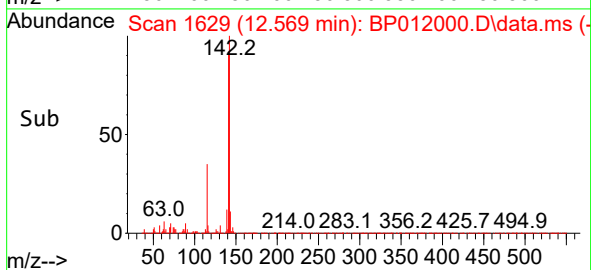
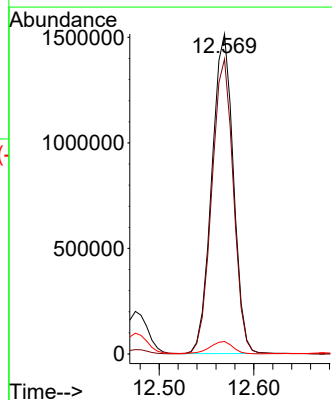
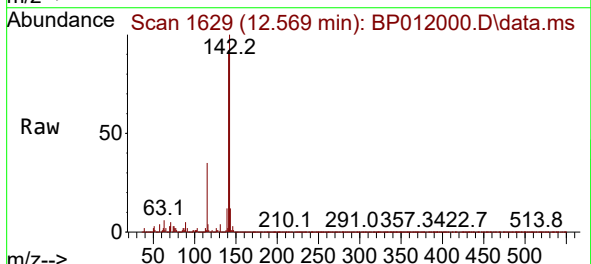
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BNA_P
ClientSampleId :
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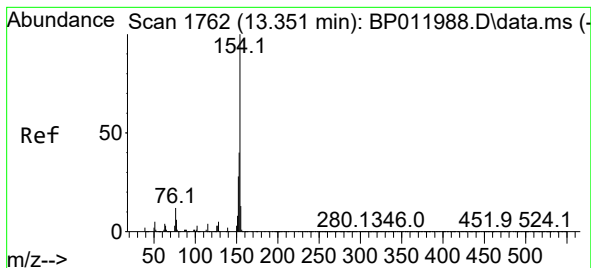
Tgt Ion:107 Resp: 137956
Ion Ratio Lower Upper
107 100
121 50.3 43.0 64.6
122 88.9 74.9 112.3



#37
1-Methylnaphthalene
Concen: 58.661 ng/ul
RT: 12.569 min Scan# 1629
Delta R.T. 0.006 min
Lab File: BP012000.D
Acq: 07 Oct 2022 08:52

Tgt Ion:142 Resp: 2400112
Ion Ratio Lower Upper
142 100
141 92.1 74.8 112.2
116 3.9 2.9 4.3





#43

1,1'-Biphenyl

Concen: 7.000 ng/ul

RT: 13.357 min Scan# 11

Delta R.T. 0.006 min

Lab File: BP012000.D

Acq: 07 Oct 2022 08:52

Instrument :

BNA_P

ClientSampleId :

E10036

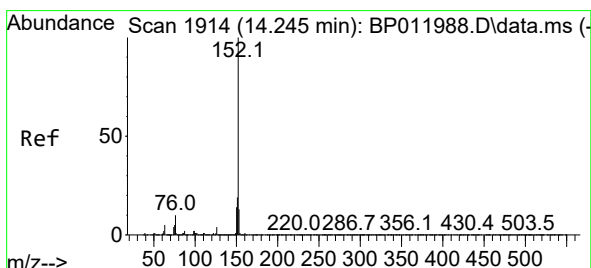
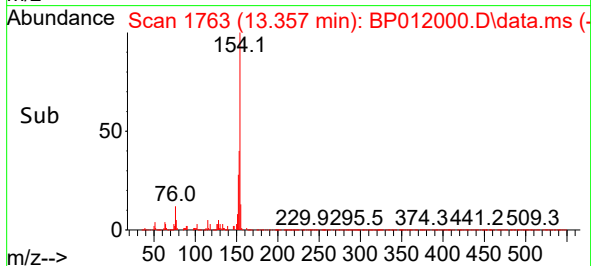
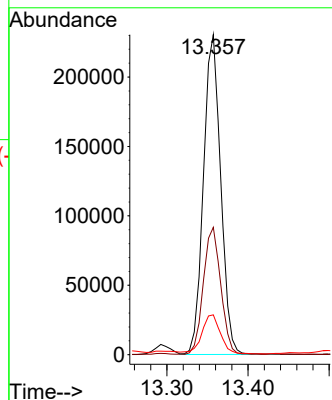
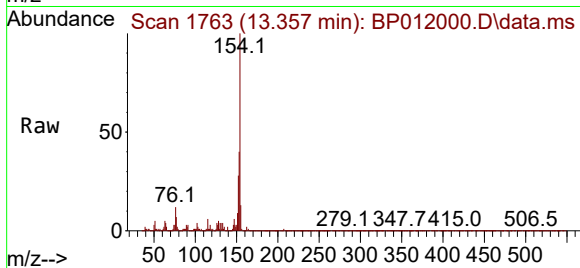
Tgt Ion:154 Resp: 339482

Ion Ratio Lower Upper

154 100

153 39.8 31.8 47.6

76 12.5 9.5 14.3



#50

Acenaphthylene

Concen: 41.275 ng/ul

RT: 14.245 min Scan# 1914

Delta R.T. -0.000 min

Lab File: BP012000.D

Acq: 07 Oct 2022 08:52

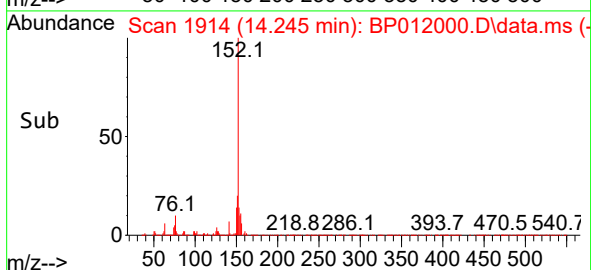
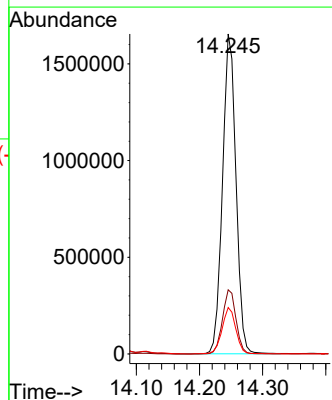
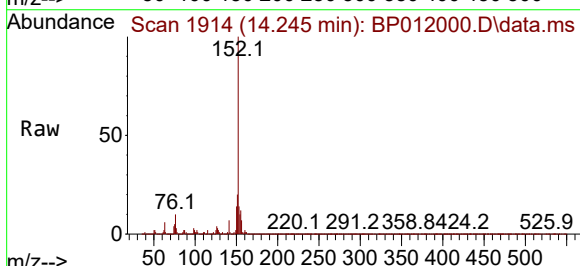
Tgt Ion:152 Resp: 2450480

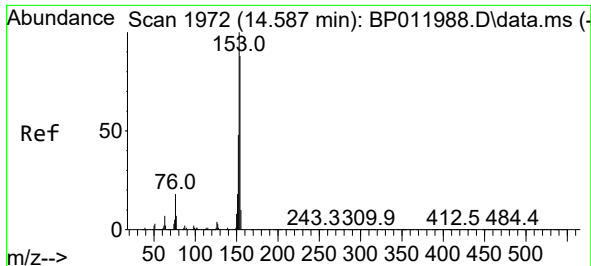
Ion Ratio Lower Upper

152 100

151 20.0 16.0 24.0

153 14.5 10.8 16.2

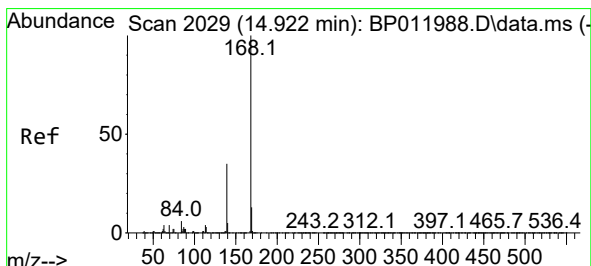
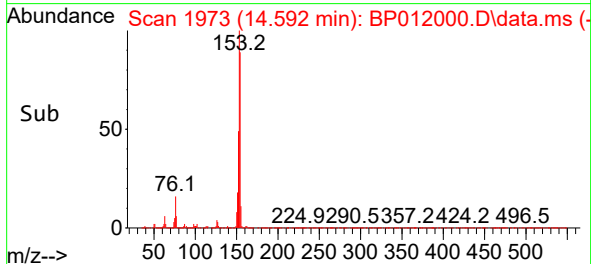
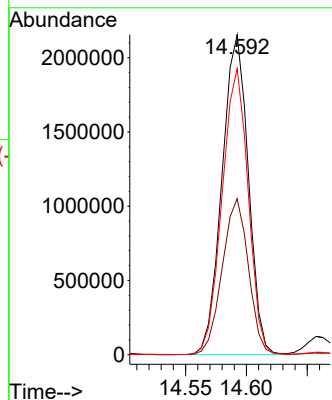
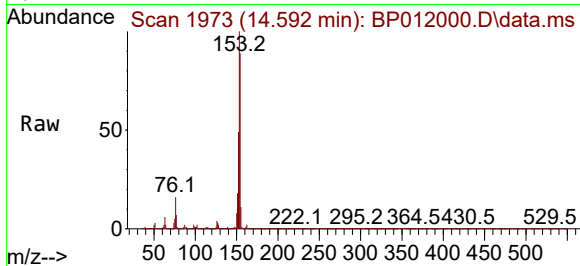




#52
Acenaphthene
Concen: 77.269 ng/ul
RT: 14.592 min Scan# 1973
Delta R.T. 0.006 min
Lab File: BP012000.D
Acq: 07 Oct 2022 08:52

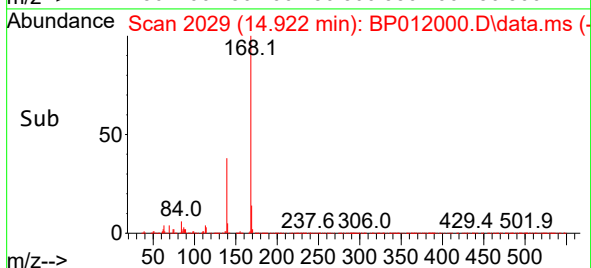
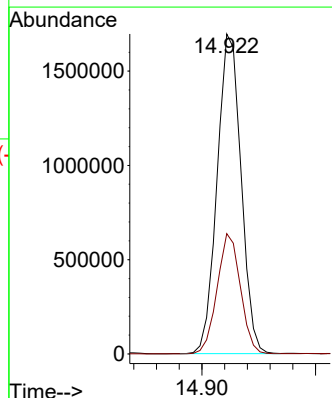
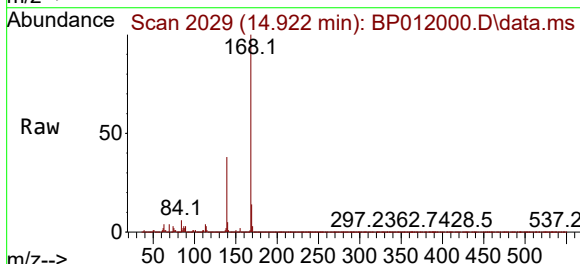
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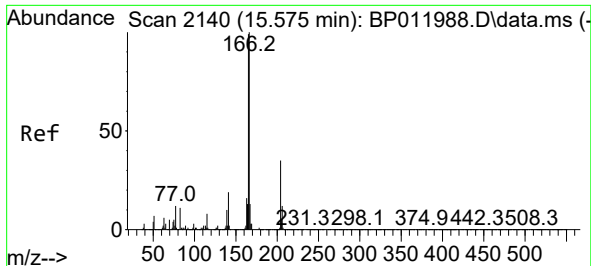
Tgt Ion:153 Resp: 3236551
Ion Ratio Lower Upper
153 100
152 48.7 38.4 57.6
154 89.4 70.6 105.8



#56
Dibenzofuran
Concen: 43.271 ng/ul
RT: 14.922 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BP012000.D
Acq: 07 Oct 2022 08:52

Tgt Ion:168 Resp: 2482474
Ion Ratio Lower Upper
168 100
139 37.6 29.4 44.2

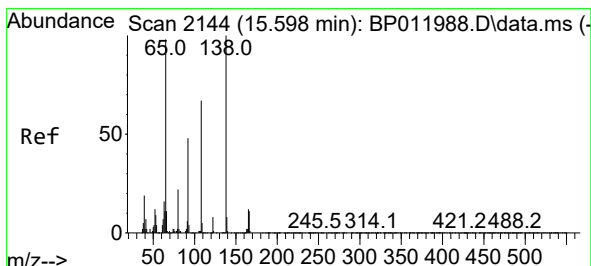
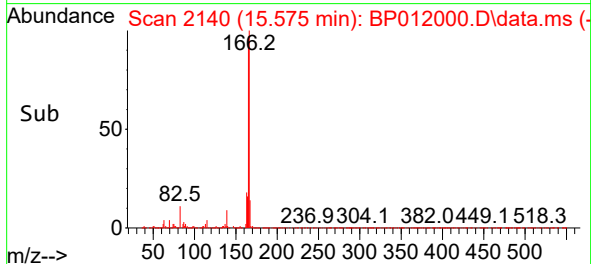
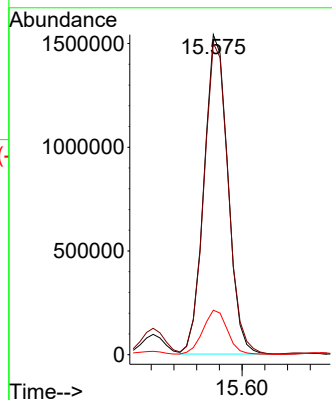
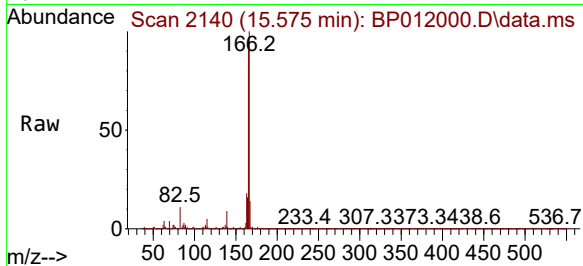




#61
Fluorene
Concen: 47.772 ng/ul
RT: 15.575 min Scan# 2140
Delta R.T. -0.000 min
Lab File: BP012000.D
Acq: 07 Oct 2022 08:52

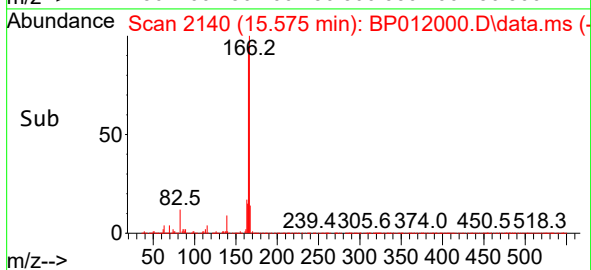
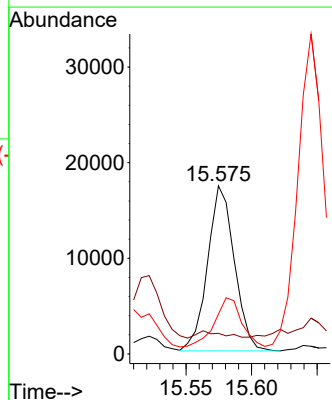
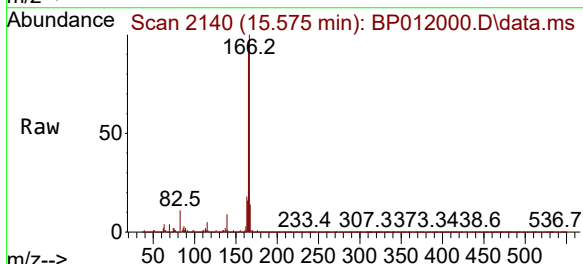
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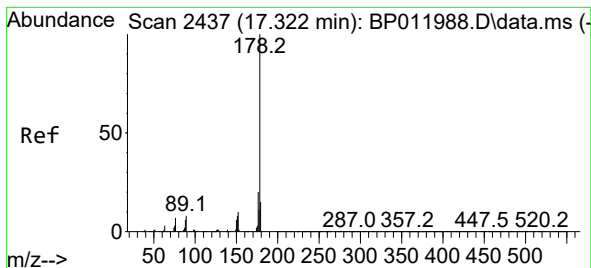
Tgt Ion:166 Resp: 2244773
Ion Ratio Lower Upper
166 100
165 97.3 77.2 115.8
167 13.9 10.7 16.1



#63
4-Nitroaniline
Concen: 2.321 ng/ul
RT: 15.575 min Scan# 2140
Delta R.T. -0.024 min
Lab File: BP012000.D
Acq: 07 Oct 2022 08:52

Tgt Ion:138 Resp: 24588
Ion Ratio Lower Upper
138 100
92 12.3 35.9 53.9#
108 23.7 51.6 77.4#





#72

Phenanthrene

Concen: 11.918 ng/ul

RT: 17.328 min Scan# 2437

Delta R.T. 0.006 min

Lab File: BP012000.D

Acq: 07 Oct 2022 08:52

Instrument :

BNA_P

ClientSampleId :

E10036

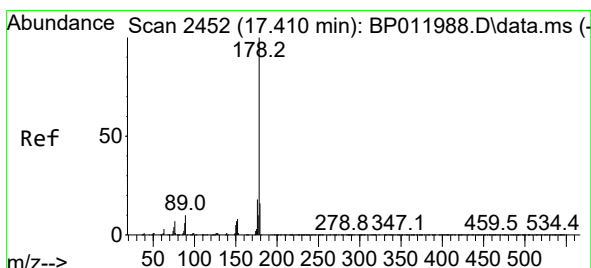
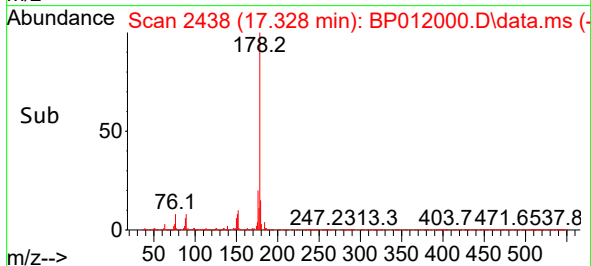
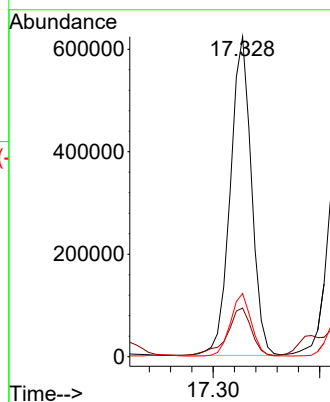
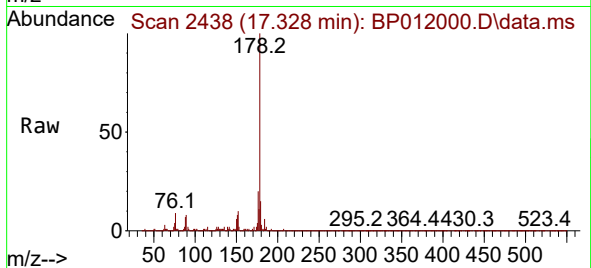
Tgt Ion:178 Resp: 858616

Ion Ratio Lower Upper

178 100

179 15.2 12.5 18.7

176 19.8 15.4 23.2



#74

Anthracene

Concen: 8.457 ng/ul

RT: 17.416 min Scan# 2453

Delta R.T. 0.006 min

Lab File: BP012000.D

Acq: 07 Oct 2022 08:52

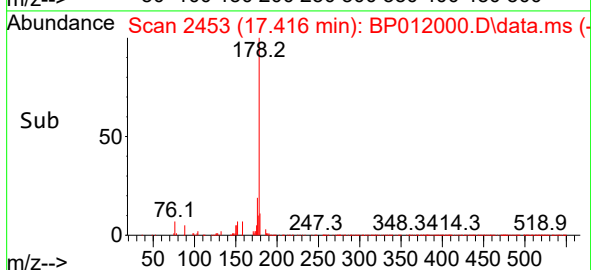
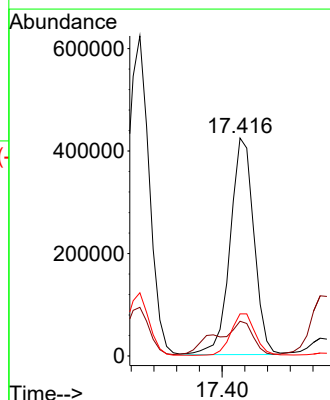
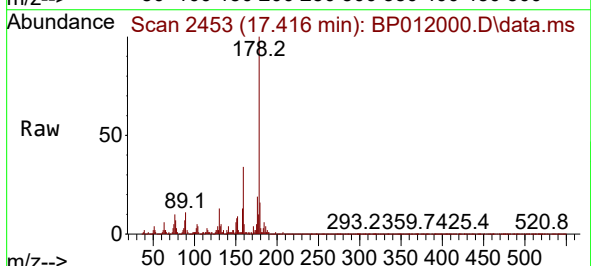
Tgt Ion:178 Resp: 613062

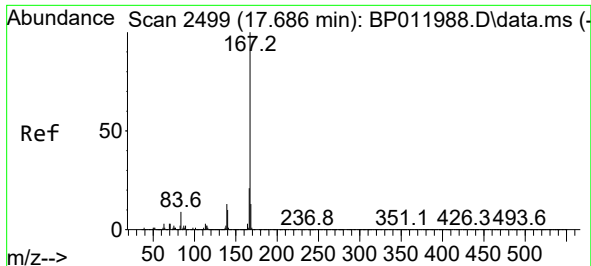
Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

176 19.3 15.4 23.2

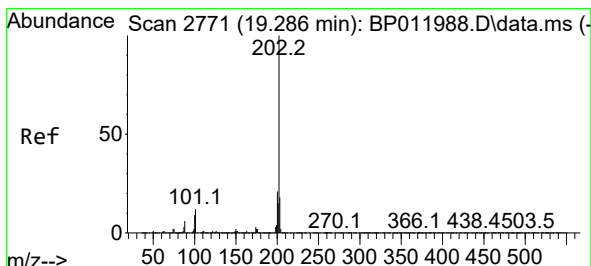
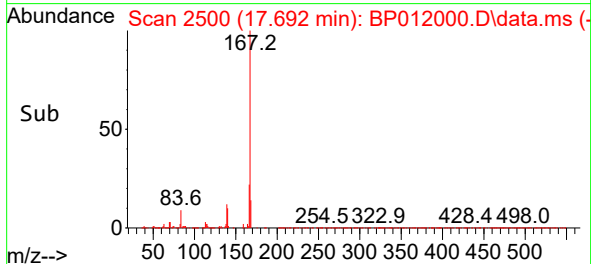
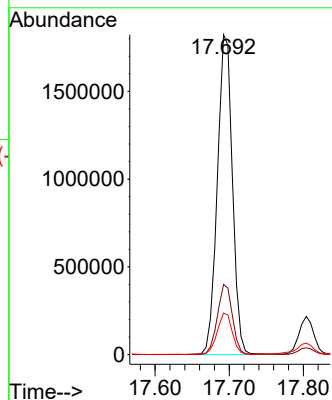
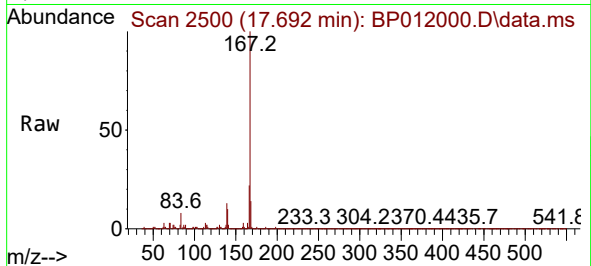




#77
Carbazole
Concen: 39.288 ng/ul
RT: 17.692 min Scan# 2499
Delta R.T. 0.006 min
Lab File: BP012000.D
Acq: 07 Oct 2022 08:52

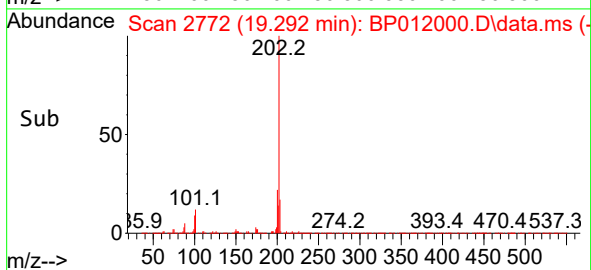
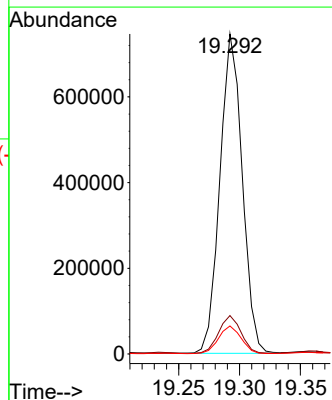
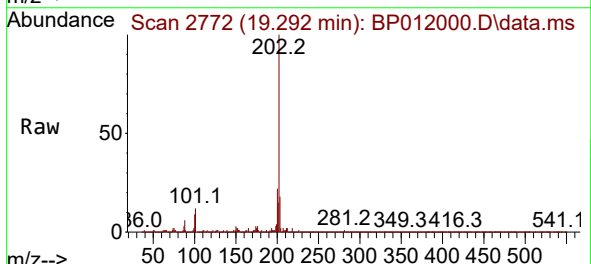
Instrument :
BNA_P
ClientSampleId :
E10036

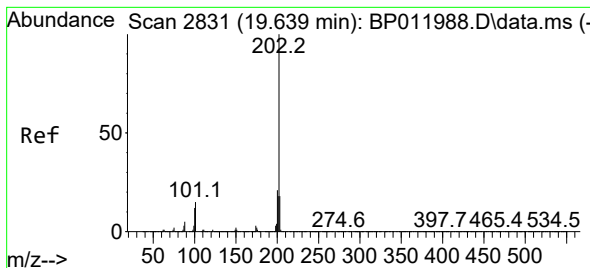
Tgt Ion:167 Resp: 2573208
Ion Ratio Lower Upper
167 100
166 21.9 17.1 25.7
139 13.0 10.1 15.1



#80
Fluoranthene
Concen: 11.304 ng/ul
RT: 19.292 min Scan# 2772
Delta R.T. 0.006 min
Lab File: BP012000.D
Acq: 07 Oct 2022 08:52

Tgt Ion:202 Resp: 952148
Ion Ratio Lower Upper
202 100
101 12.0 9.8 14.6
100 8.8 7.4 11.0





#82

Pyrene

Concen: 8.740 ng/ul

RT: 19.645 min Scan# 2831

Delta R.T. 0.006 min

Lab File: BP012000.D

Acq: 07 Oct 2022 08:52

Instrument :

BNA_P

ClientSampleId :

E10036

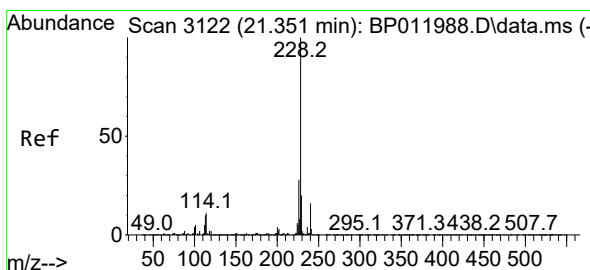
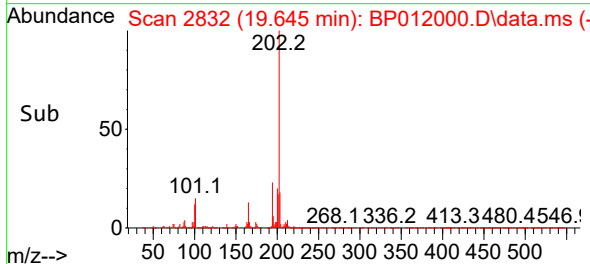
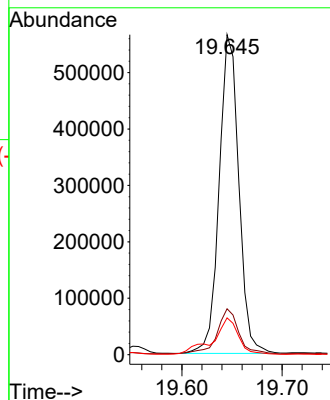
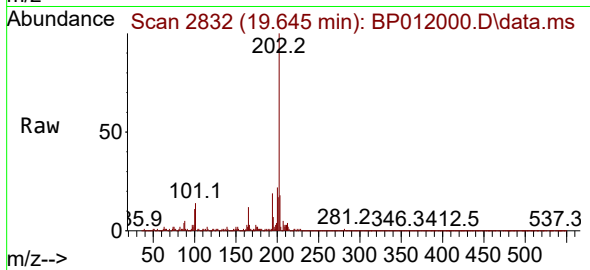
Tgt Ion:202 Resp: 766438

Ion Ratio Lower Upper

202 100

101 14.4 11.6 17.4

100 11.5 9.4 14.0



#85

Benzo(a)anthracene

Concen: 3.427 ng/ul

RT: 21.357 min Scan# 3123

Delta R.T. 0.006 min

Lab File: BP012000.D

Acq: 07 Oct 2022 08:52

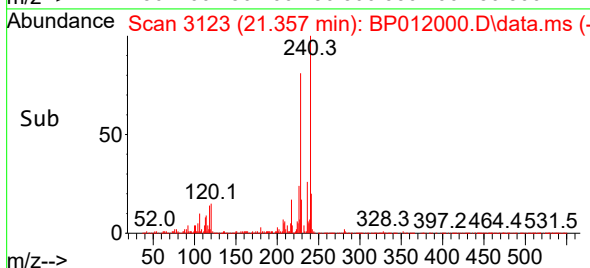
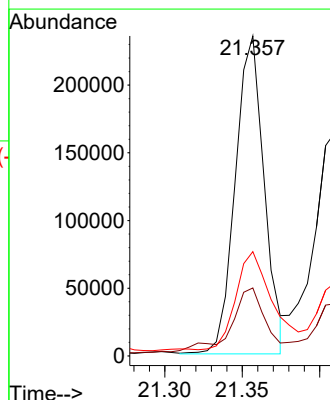
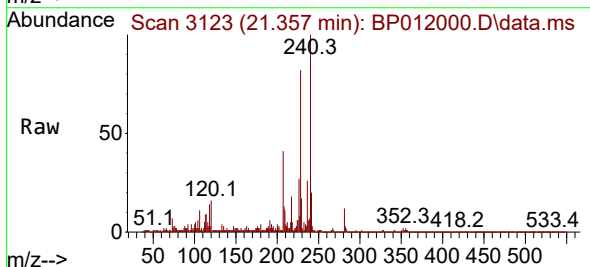
Tgt Ion:228 Resp: 304560

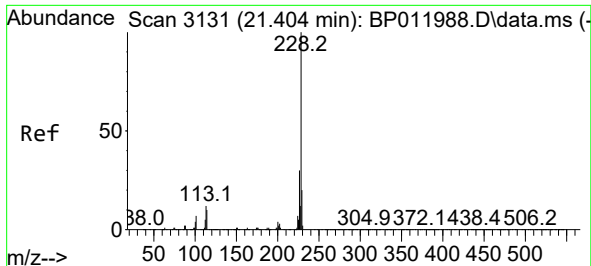
Ion Ratio Lower Upper

228 100

229 21.2 15.8 23.6

226 32.6 22.0 33.0

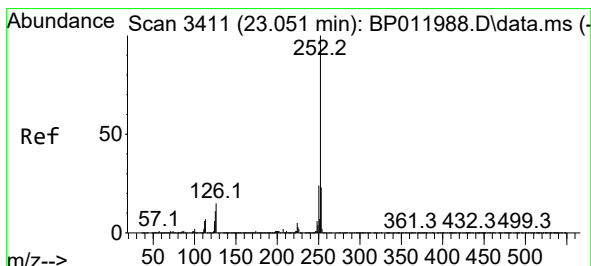
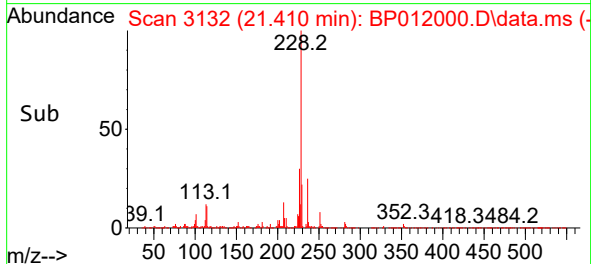
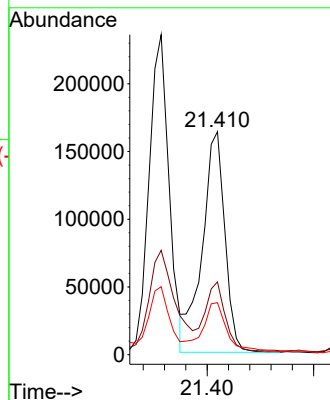
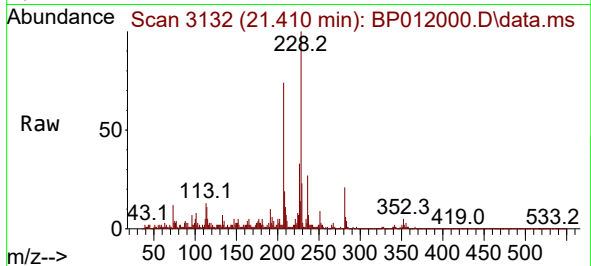




#87
Chrysene
Concen: 2.884 ng/ul
RT: 21.410 min Scan# 3131
Delta R.T. 0.006 min
Lab File: BP012000.D
Acq: 07 Oct 2022 08:52

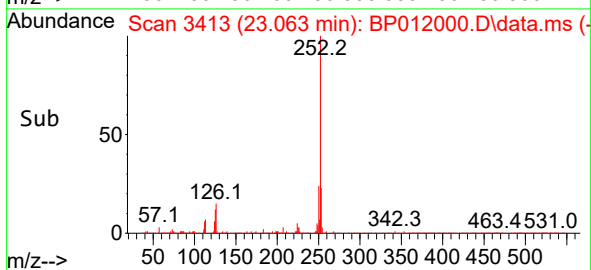
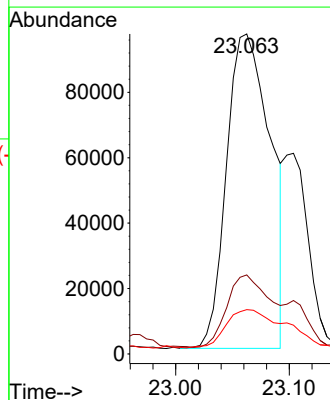
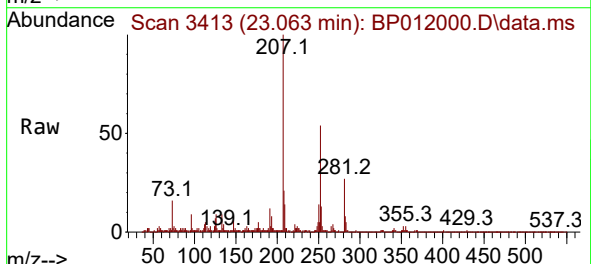
Instrument :
BNA_P
ClientSampleId :
E10036

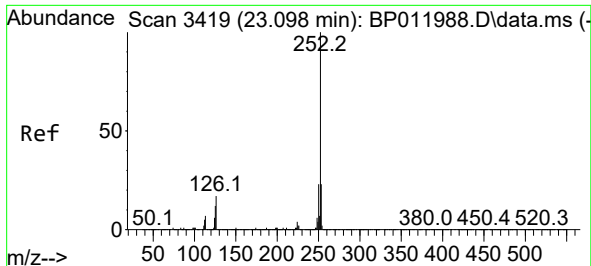
Tgt Ion:228 Resp: 240508
Ion Ratio Lower Upper
228 100
226 32.6 25.3 37.9
229 23.3 16.2 24.2



#90
Benzo(b)fluoranthene
Concen: 2.798 ng/ul
RT: 23.063 min Scan# 3413
Delta R.T. 0.012 min
Lab File: BP012000.D
Acq: 07 Oct 2022 08:52

Tgt Ion:252 Resp: 258867
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.8
125 13.9 9.2 13.8#

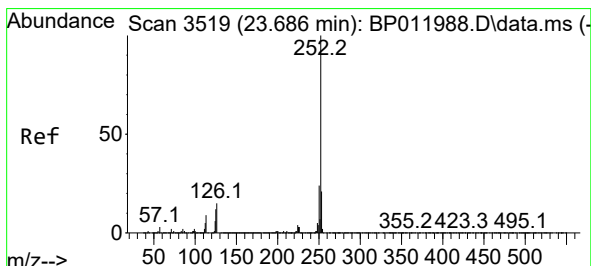
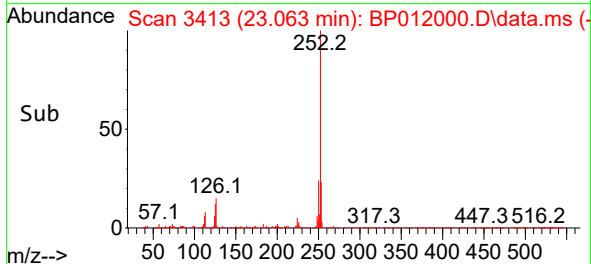
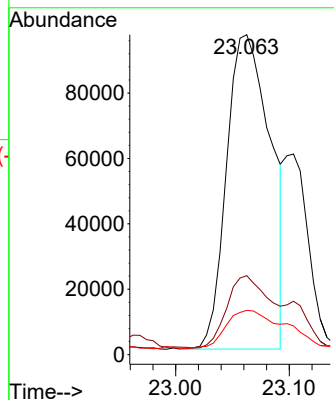
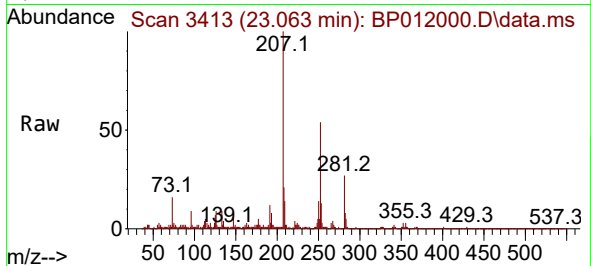




#91
Benzo(k)fluoranthene
Concen: 2.905 ng/ul
RT: 23.063 min Scan# 3419
Delta R.T. -0.035 min
Lab File: BP012000.D
Acq: 07 Oct 2022 08:52

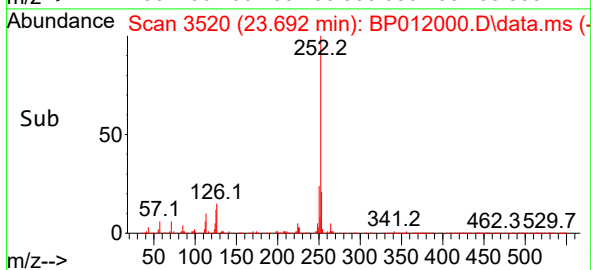
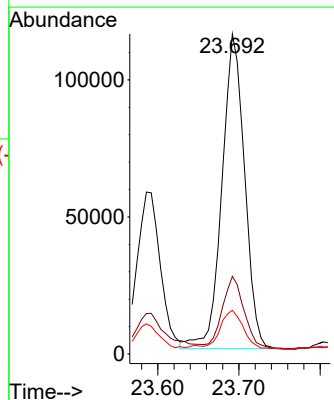
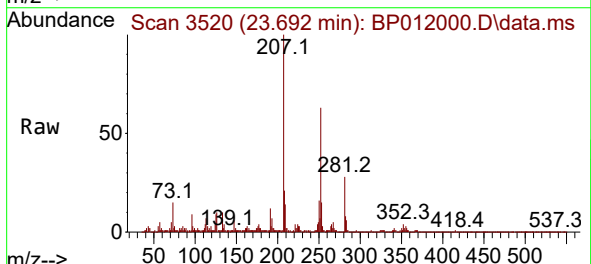
Instrument :
BNA_P
ClientSampleId :
E10036

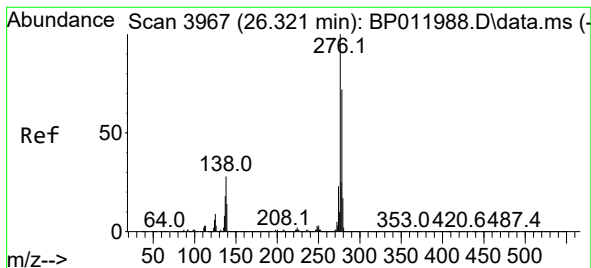
Tgt Ion:252 Resp: 258867
Ion Ratio Lower Upper
252 100
253 24.7 18.0 27.0
125 13.9 9.2 13.8#



#93
Benzo(a)pyrene
Concen: 2.704 ng/ul
RT: 23.692 min Scan# 3520
Delta R.T. 0.006 min
Lab File: BP012000.D
Acq: 07 Oct 2022 08:52

Tgt Ion:252 Resp: 223306
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 13.7 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 1.068 ng/ul

RT: 26.327 min Scan# 3967

Delta R.T. 0.006 min

Lab File: BP012000.D

Acq: 07 Oct 2022 08:52

Instrument :

BNA_P

ClientSampleId :

E10036

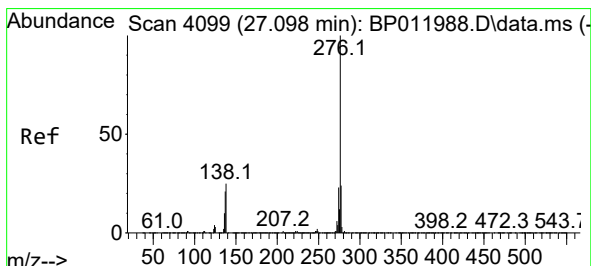
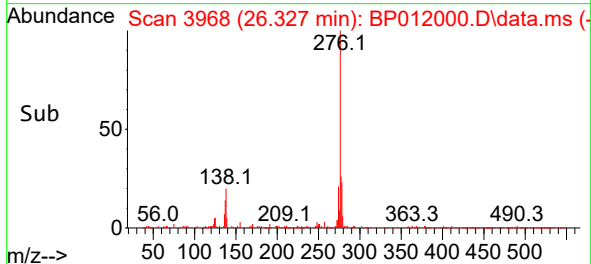
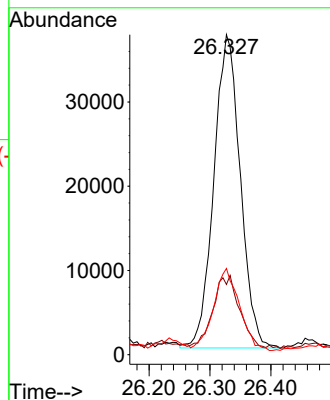
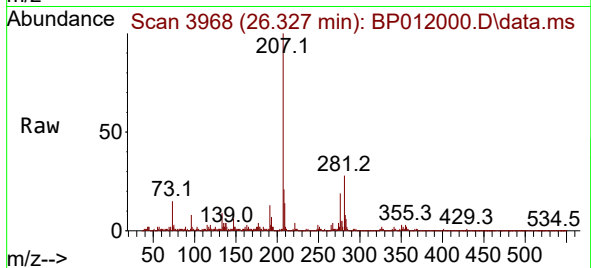
Tgt Ion:276 Resp: 112201

Ion Ratio Lower Upper

276 100

138 22.0 21.4 32.0

277 26.9 19.9 29.9



#96

Benzo(g,h,i)perylene

Concen: 1.041 ng/ul

RT: 27.109 min Scan# 4101

Delta R.T. 0.012 min

Lab File: BP012000.D

Acq: 07 Oct 2022 08:52

Tgt Ion:276 Resp: 97029

Ion Ratio Lower Upper

276 100

138 24.8 19.8 29.6

277 24.3 18.6 27.8

