

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
 Data File : BP012008.D
 Acq On : 07 Oct 2022 14:22
 Operator : CG/JU
 Sample : N4923-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E10012

Quant Time: Oct 07 23:08:13 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	214799	20.000	ng/ul	0.00
20) Naphthalene-d8	10.686	136	885300	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.522	164	521747	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.280	188	1094301	20.000	ng/ul	0.00
79) Chrysene-d12	21.368	240	1083666	20.000	ng/ul	0.00
88) Perylene-d12	23.803	264	1132966	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.293	96	19578	4.020	ng/uL	0.00
4) Pyridine-d5	3.734	84	66255	4.644	ng/ul	0.02
7) Phenol-d5	7.045	99	117229	6.322	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.210	67	320774	31.208	ng/ul	0.00
11) 2-Chlorophenol-d4	7.404	132	351425	24.007	ng/ul	0.00
15) 4-Methylphenol-d8	8.587	113	210060	13.703	ng/ul	0.00
21) Nitrobenzene-d5	9.045	128	234358	34.755	ng/ul	0.00
24) 2-Nitrophenol-d4	9.769	143	227639	31.553	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.304	165	369760	27.709	ng/ul	0.00
31) 4-Chloroaniline-d4	10.828	131	325587	16.004	ng/ul	0.00
46) Dimethylphthalate-d6	13.933	166	1277315	34.235	ng/ul	0.00
49) Acenaphthylene-d8	14.216	160	1530498	35.983	ng/ul	0.00
54) 4-Nitrophenol-d4	14.745	143	32306	4.181	ng/ul	0.02
60) Fluorene-d10	15.521	176	1180358	36.429	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.645	200	147216	22.226	ng/ul	0.01
73) Anthracene-d10	17.380	188	1851638	37.146	ng/ul	0.00
81) Pyrene-d10	19.615	212	2152119	39.214	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.645	264	2174340	38.338	ng/ul	0.01
Target Compounds						
					Qvalue	
8) Phenol	7.069	94	28955	1.505	ng/ul	99
30) Naphthalene	10.733	128	1126522	23.691	ng/ul	100
36) 2-Methylnaphthalene	12.345	142	36236	1.091	ng/ul	94
37) 1-Methylnaphthalene	12.563	142	485846	14.581	ng/ul	98
43) 1,1'-Biphenyl	13.357	154	137818	3.571	ng/ul	98
50) Acenaphthylene	14.245	152	471758	9.987	ng/ul	99
52) Acenaphthene	14.586	153	1152346	34.575	ng/ul	99
56) Dibenzofuran	14.922	168	941634	20.628	ng/ul	99
61) Fluorene	15.574	166	991453	26.518	ng/ul	100
63) 4-Nitroaniline	15.574	138	10518	1.248	ng/ul#	28
72) Phenanthrene	17.327	178	3130086	52.048	ng/ul	100
74) Anthracene	17.416	178	1694847	28.010	ng/ul	99
77) Carbazole	17.692	167	721718	13.201	ng/ul	100
80) Fluoranthene	19.292	202	3540569	52.715	ng/ul	99
82) Pyrene	19.645	202	2632117	37.639	ng/ul	98
85) Benzo(a)anthracene	21.409	228	1632785	23.040	ng/ul	95
87) Chrysene	21.409	228	1622883	24.402	ng/ul	98
90) Benzo(b)fluoranthene	23.062	252	2016866	27.891	ng/ul	100
91) Benzo(k)fluoranthene	23.062	252	2016866	28.963	ng/ul	99
93) Benzo(a)pyrene	23.698	252	1660753	25.735	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.327	276	967100	11.774	ng/ul	98
95) Dibenzo(a,h)anthracene	26.344	278	262383	3.596	ng/ul	96
96) Benzo(g,h,i)perylene	27.109	276	836529	11.487	ng/ul	99

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 07 03:22:44 2022
Response via : Initial Calibration

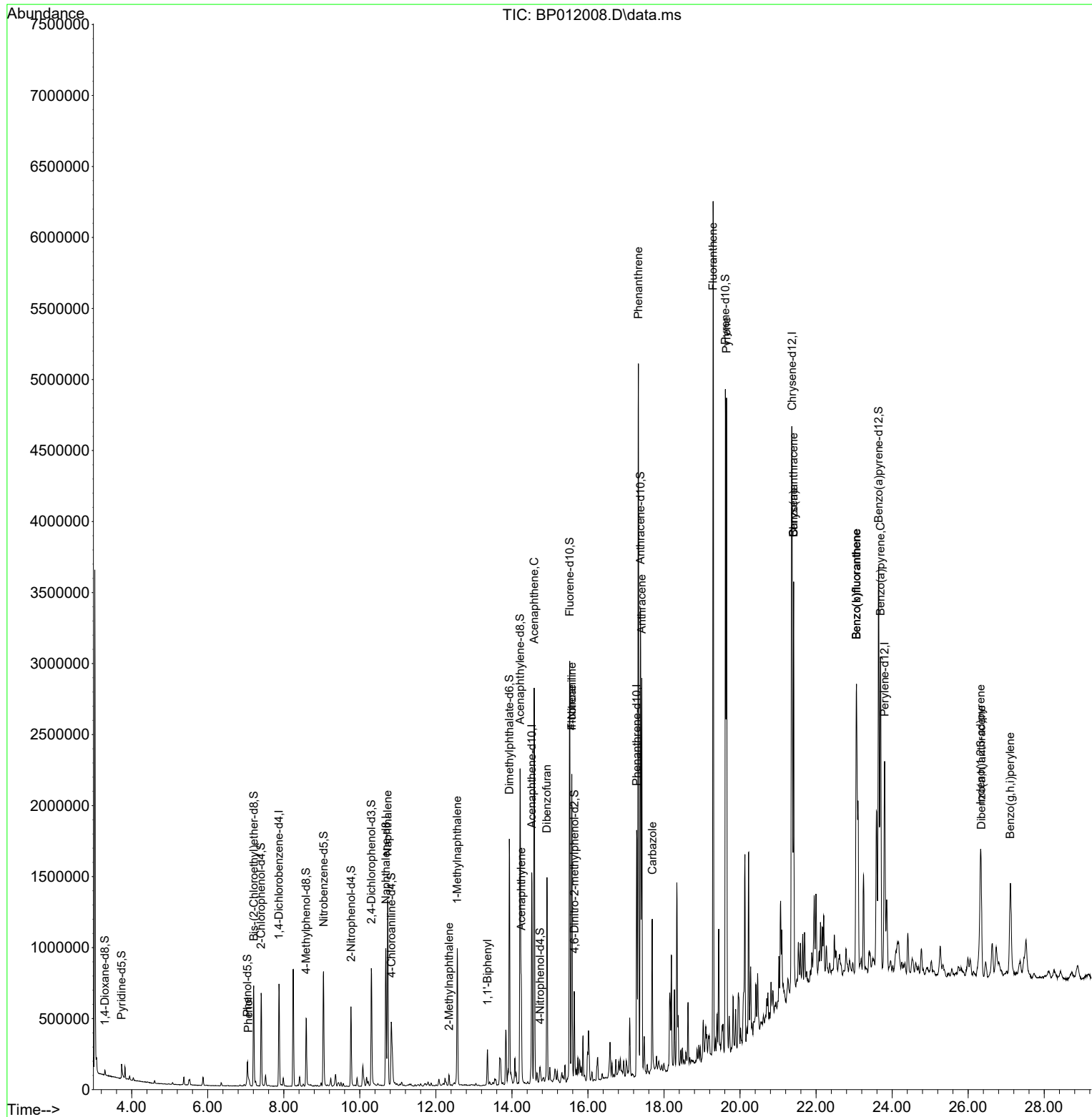
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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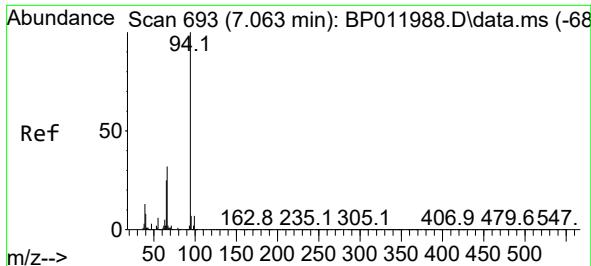
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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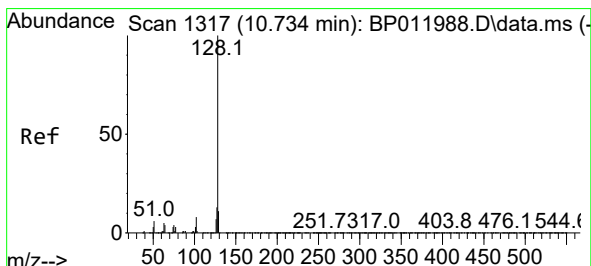
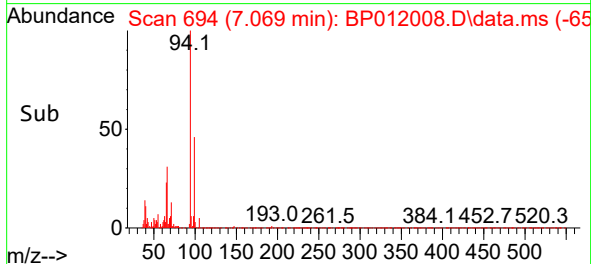
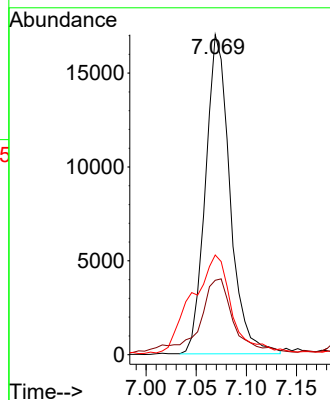
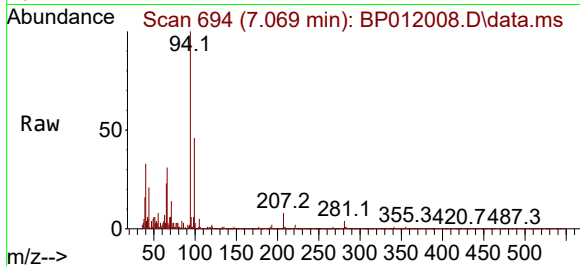




#8
Phenol
Concen: 1.505 ng/ul
RT: 7.069 min Scan# 694
Delta R.T. 0.006 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

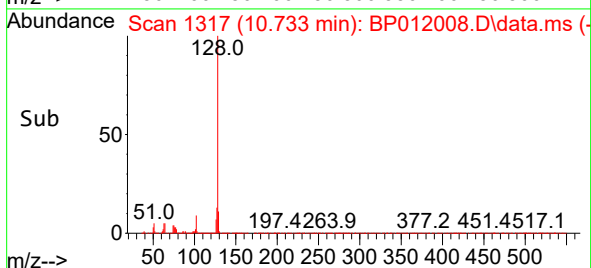
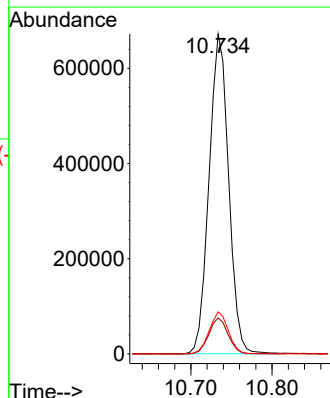
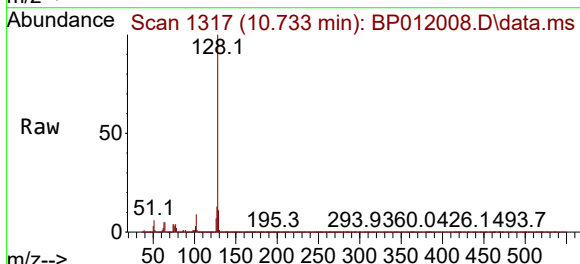
Instrument :
BNA_P
ClientSampleId :
E10012

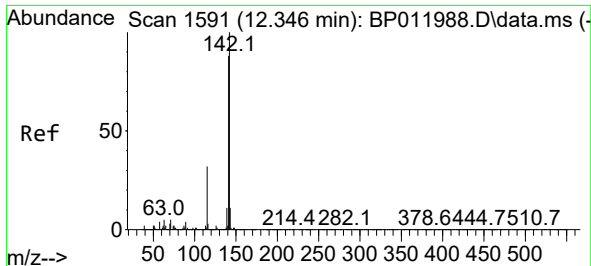
Tgt Ion: 94 Resp: 28955
Ion Ratio Lower Upper
94 100
65 23.2 19.5 29.3
66 31.1 25.0 37.4



#30
Naphthalene
Concen: 23.691 ng/ul
RT: 10.733 min Scan# 1317
Delta R.T. -0.000 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

Tgt Ion: 128 Resp: 1126522
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 13.1 10.5 15.7

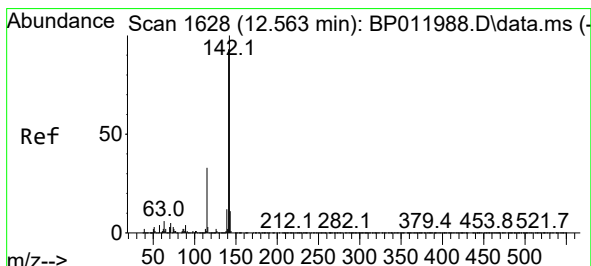
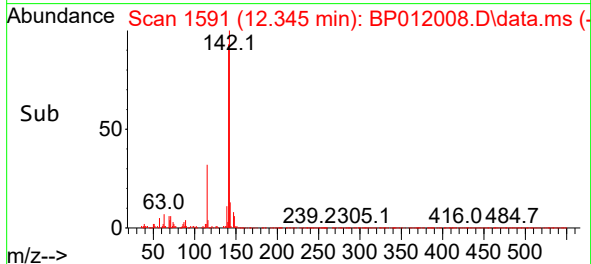
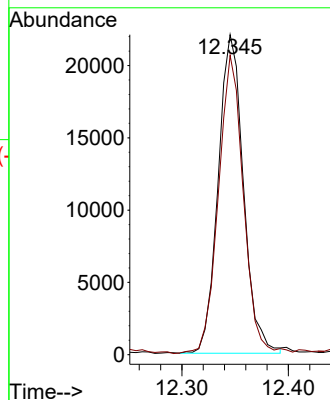
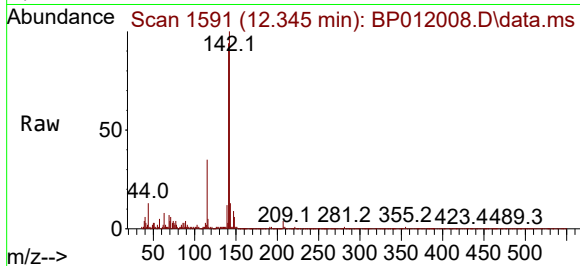




#36
2-Methylnaphthalene
Concen: 1.091 ng/ul
RT: 12.345 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

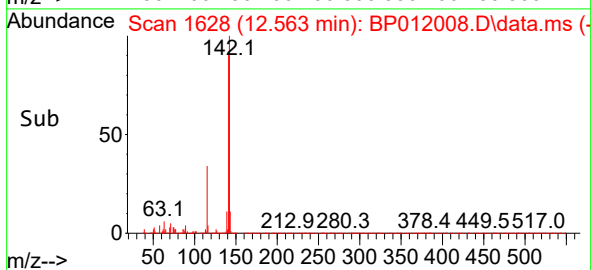
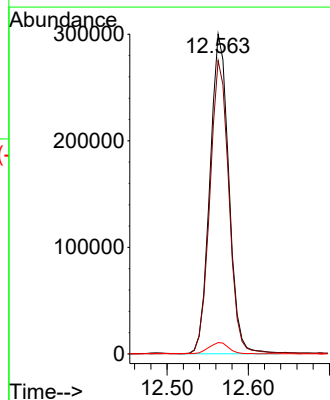
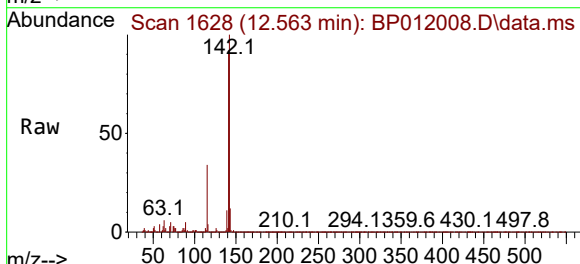
Instrument :
BNA_P
ClientSampleId :
E10012

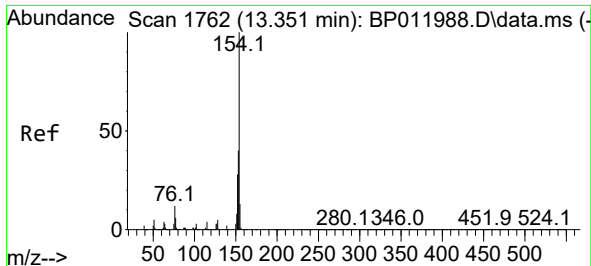
Tgt Ion:142 Resp: 36236
Ion Ratio Lower Upper
142 100
141 93.5 70.6 106.0



#37
1-Methylnaphthalene
Concen: 14.581 ng/ul
RT: 12.563 min Scan# 1628
Delta R.T. -0.000 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

Tgt Ion:142 Resp: 485846
Ion Ratio Lower Upper
142 100
141 91.7 74.8 112.2
116 3.6 2.9 4.3

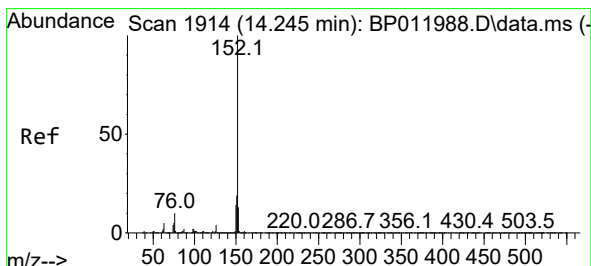
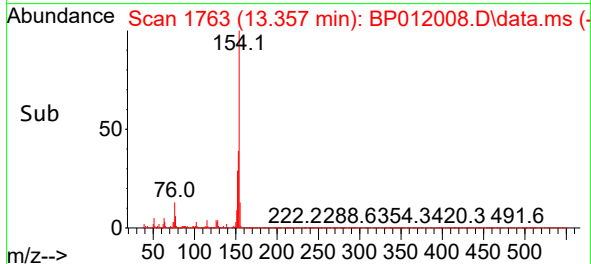
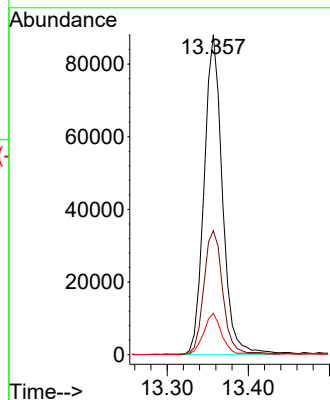
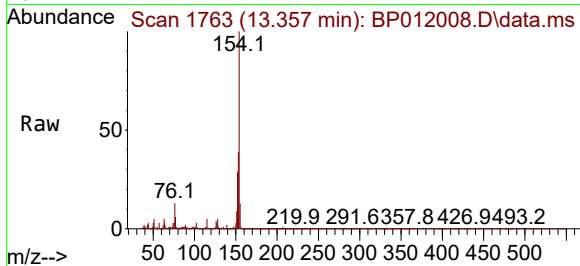




#43
1,1'-Biphenyl
Concen: 3.571 ng/ul
RT: 13.357 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

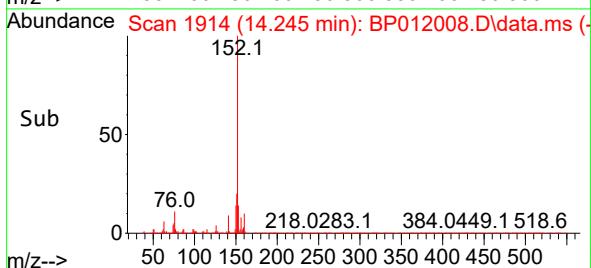
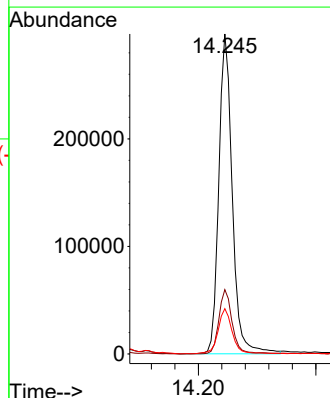
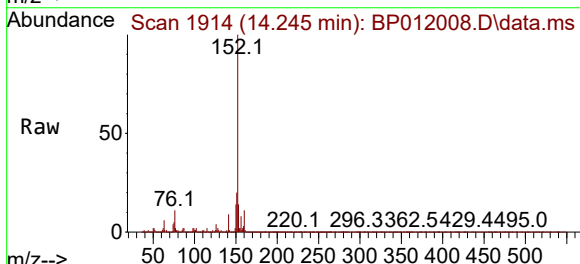
Instrument :
BNA_P
ClientSampleId :
E10012

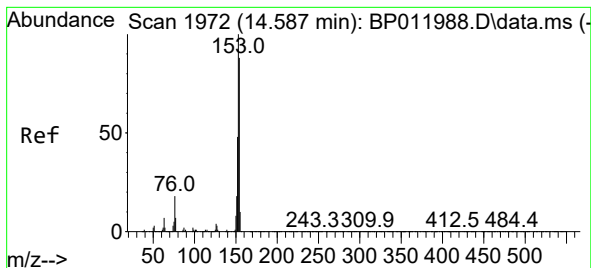
Tgt Ion:154 Resp: 137818
Ion Ratio Lower Upper
154 100
153 38.7 31.8 47.6
76 12.9 9.5 14.3



#50
Acenaphthylene
Concen: 9.987 ng/ul
RT: 14.245 min Scan# 1914
Delta R.T. -0.000 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

Tgt Ion:152 Resp: 471758
Ion Ratio Lower Upper
152 100
151 20.1 16.0 24.0
153 14.2 10.8 16.2





#52

Acenaphthene

Concen: 34.575 ng/ul

RT: 14.586 min Scan# 1972

Delta R.T. -0.000 min

Lab File: BP012008.D

Acq: 07 Oct 2022 14:22

Instrument :

BNA_P

ClientSampleId :

E10012

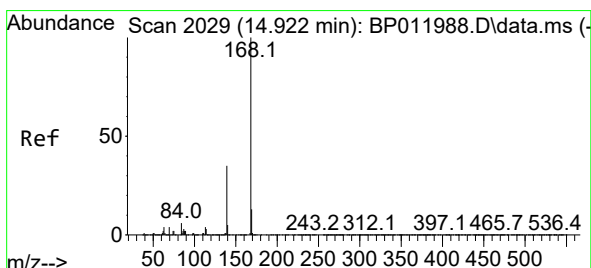
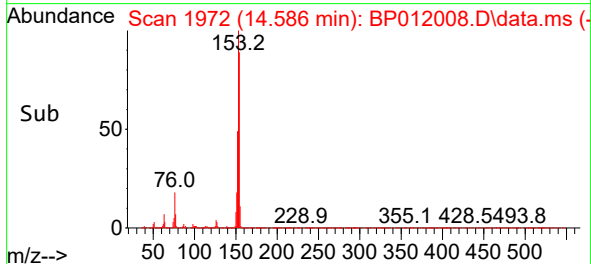
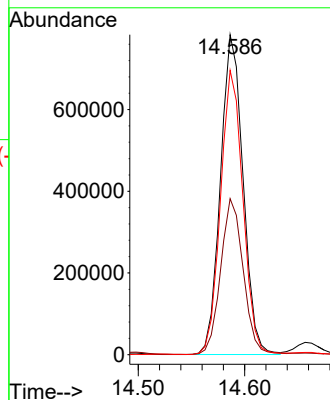
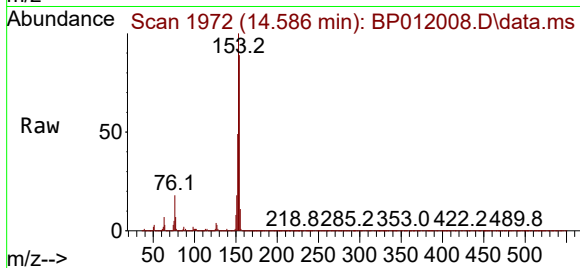
Tgt Ion:153 Resp: 1152346

Ion Ratio Lower Upper

153 100

152 48.7 38.4 57.6

154 88.8 70.6 105.8



#56

Dibenzofuran

Concen: 20.628 ng/ul

RT: 14.922 min Scan# 2029

Delta R.T. -0.000 min

Lab File: BP012008.D

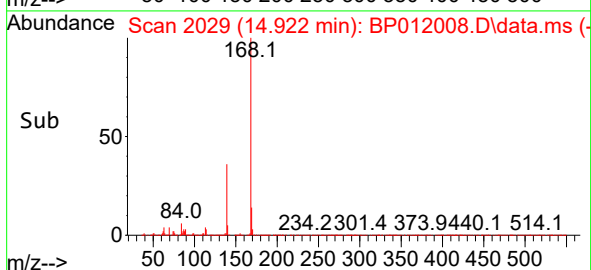
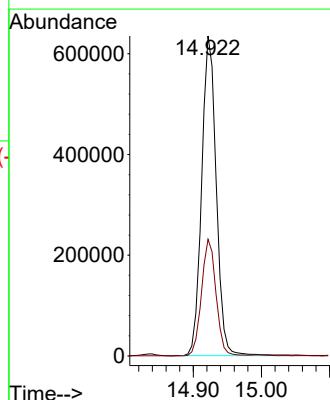
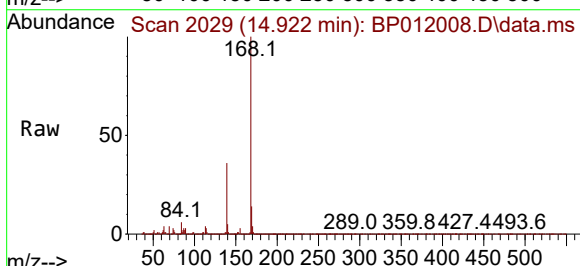
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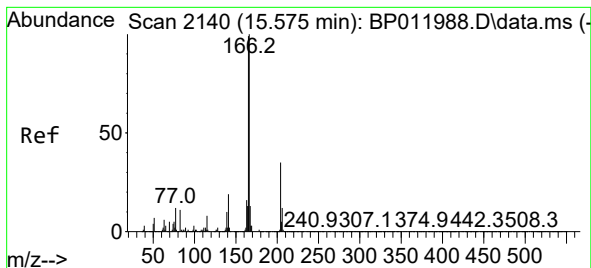
Tgt Ion:168 Resp: 941634

Ion Ratio Lower Upper

168 100

139 36.4 29.4 44.2





#61

Fluorene

Concen: 26.518 ng/ul

RT: 15.574 min Scan# 2140

Delta R.T. -0.000 min

Lab File: BP012008.D

Acq: 07 Oct 2022 14:22

Instrument :

BNA_P

ClientSampleId :

E10012

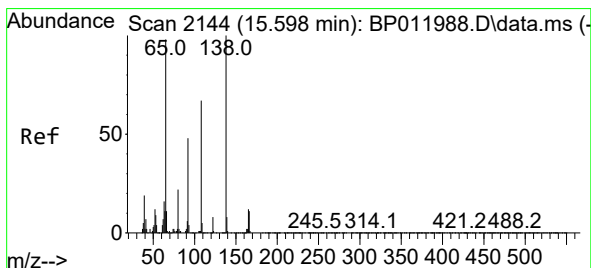
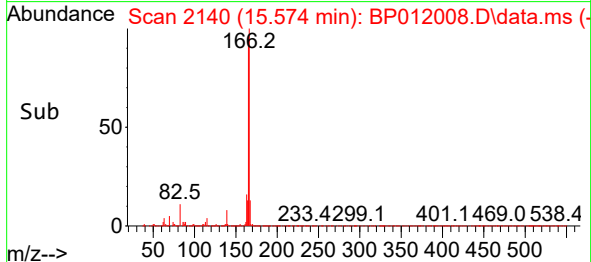
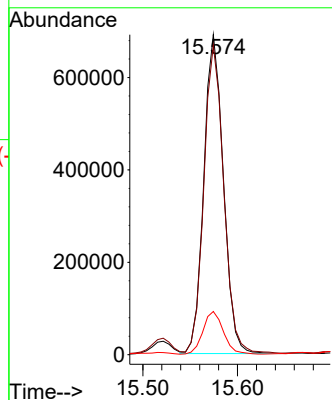
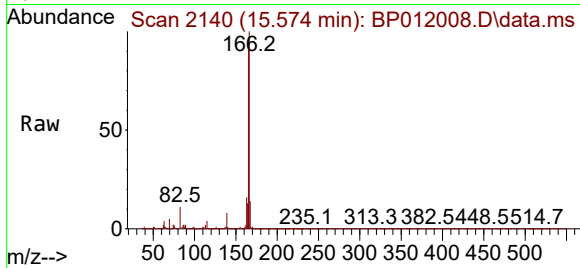
Tgt Ion:166 Resp: 991453

Ion Ratio Lower Upper

166 100

165 96.6 77.2 115.8

167 13.5 10.7 16.1



#63

4-Nitroaniline

Concen: 1.248 ng/ul

RT: 15.574 min Scan# 2140

Delta R.T. -0.024 min

Lab File: BP012008.D

Acq: 07 Oct 2022 14:22

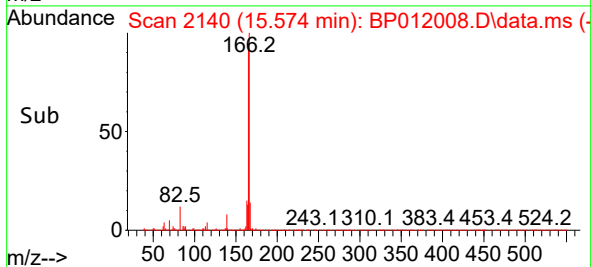
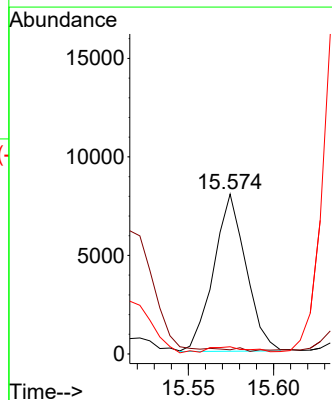
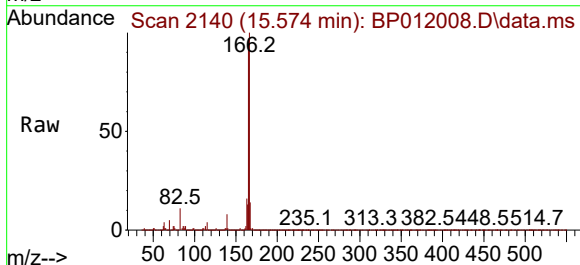
Tgt Ion:138 Resp: 10518

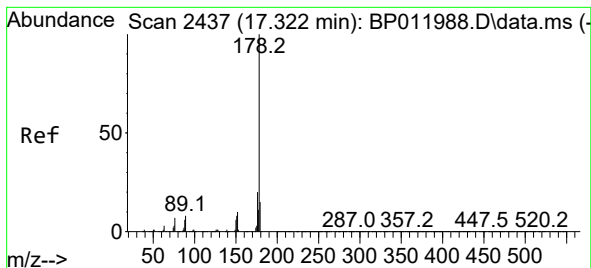
Ion Ratio Lower Upper

138 100

92 2.6 35.9 53.9#

108 4.5 51.6 77.4#





#72

Phenanthrene

Concen: 52.048 ng/ul

RT: 17.327 min Scan# 2437

Delta R.T. 0.006 min

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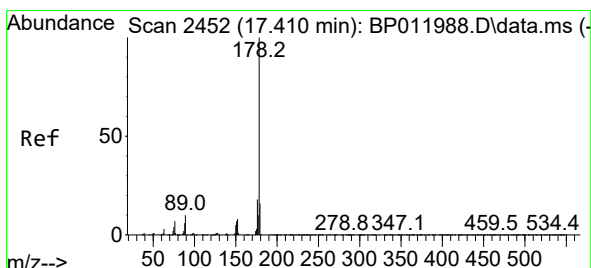
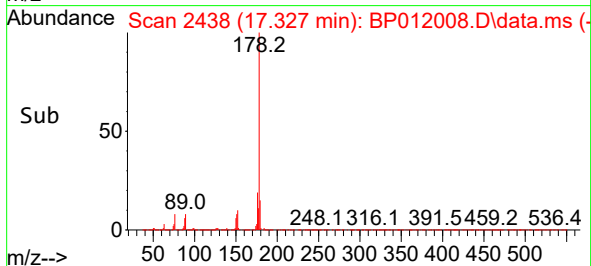
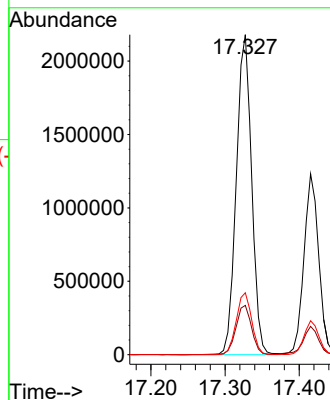
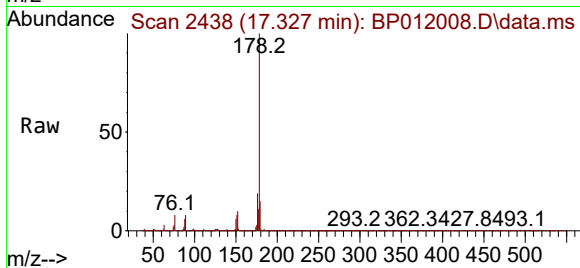
Tgt Ion:178 Resp: 3130086

Ion Ratio Lower Upper

178 100

179 15.4 12.5 18.7

176 19.3 15.4 23.2



#74

Anthracene

Concen: 28.010 ng/ul

RT: 17.416 min Scan# 2453

Delta R.T. 0.006 min

Lab File: BP012008.D

Acq: 07 Oct 2022 14:22

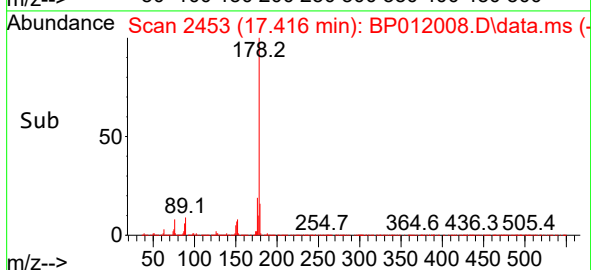
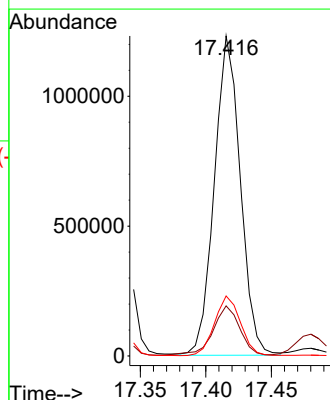
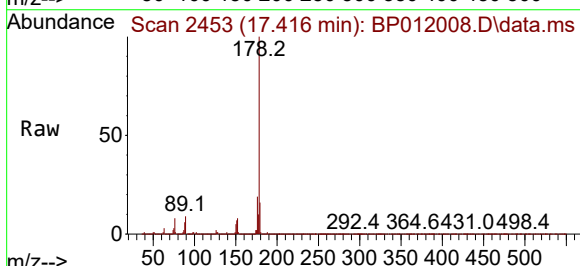
Tgt Ion:178 Resp: 1694847

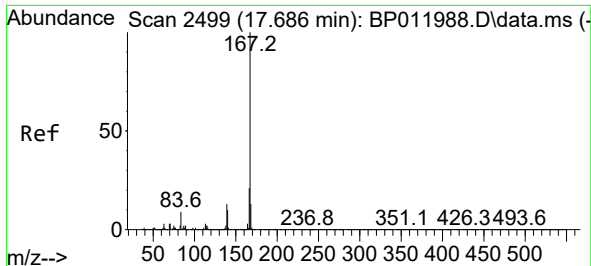
Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

176 18.8 15.4 23.2

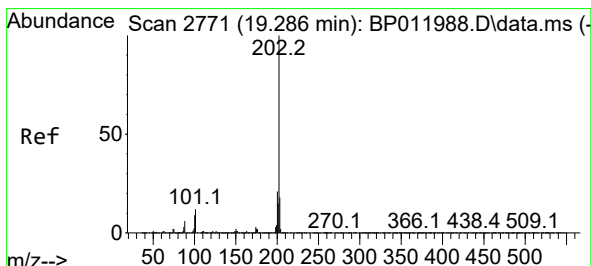
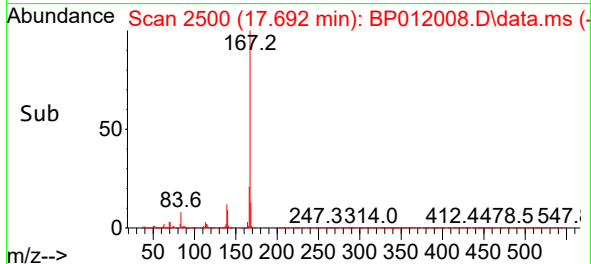
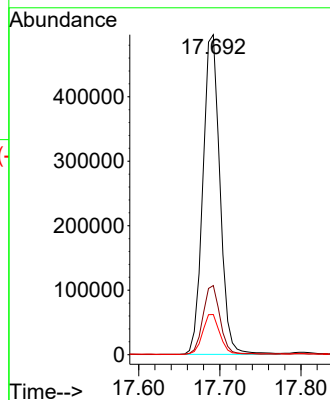
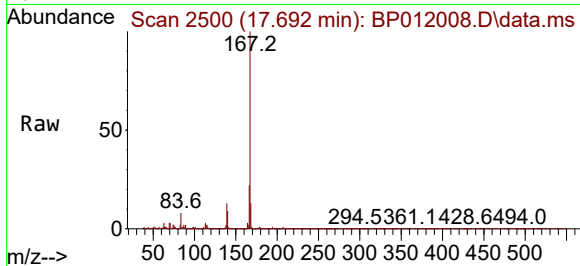




#77
Carbazole
Concen: 13.201 ng/ul
RT: 17.692 min Scan# 2499
Delta R.T. 0.006 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

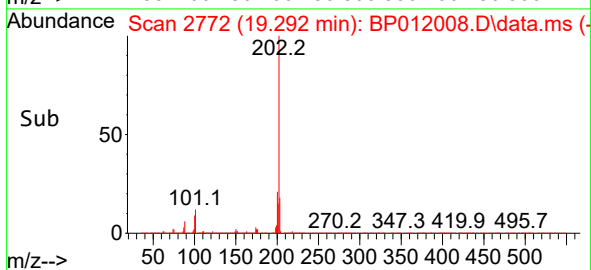
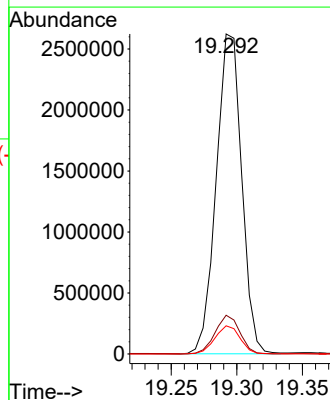
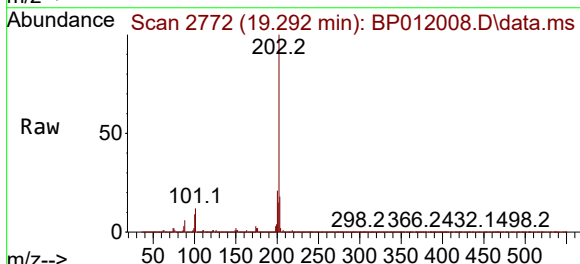
Instrument :
BNA_P
ClientSampleId :
E10012

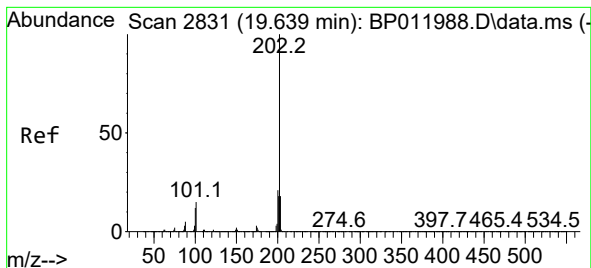
Tgt Ion:167 Resp: 721718
Ion Ratio Lower Upper
167 100
166 21.6 17.1 25.7
139 12.5 10.1 15.1



#80
Fluoranthene
Concen: 52.715 ng/ul
RT: 19.292 min Scan# 2772
Delta R.T. 0.006 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

Tgt Ion:202 Resp: 3540569
Ion Ratio Lower Upper
202 100
101 12.1 9.8 14.6
100 8.8 7.4 11.0





#82

Pyrene

Concen: 37.639 ng/ul

RT: 19.645 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP012008.D

Acq: 07 Oct 2022 14:22

Instrument :

BNA_P

ClientSampleId :

E10012

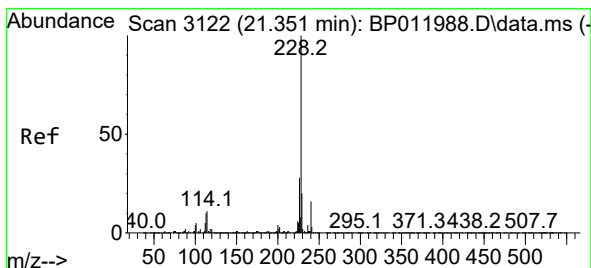
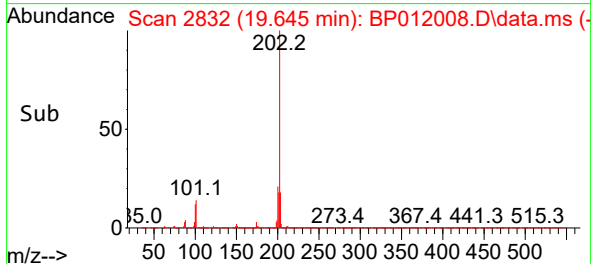
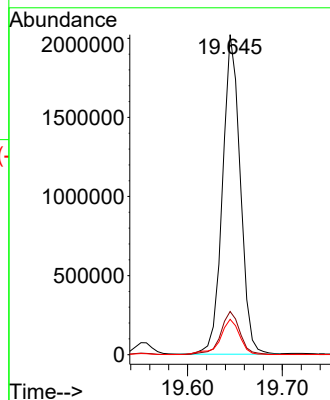
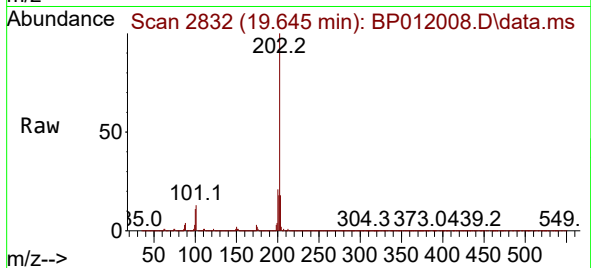
Tgt Ion:202 Resp: 2632117

Ion Ratio Lower Upper

202 100

101 13.5 11.6 17.4

100 11.0 9.4 14.0



#85

Benzo(a)anthracene

Concen: 23.040 ng/ul

RT: 21.409 min Scan# 3132

Delta R.T. 0.058 min

Lab File: BP012008.D

Acq: 07 Oct 2022 14:22

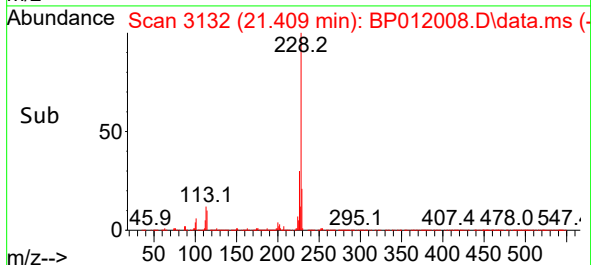
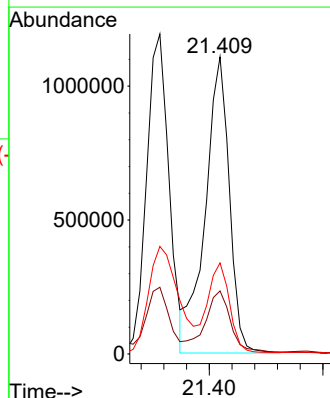
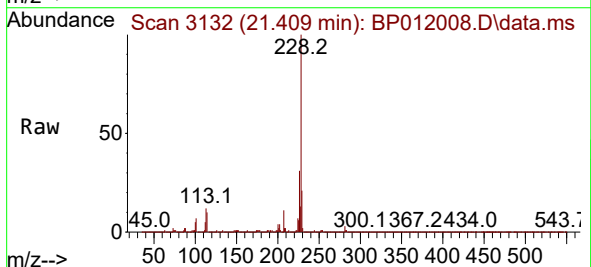
Tgt Ion:228 Resp: 1632785

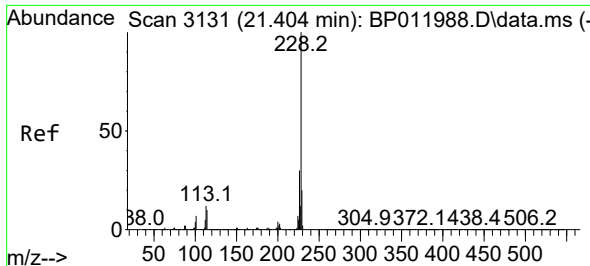
Ion Ratio Lower Upper

228 100

229 21.2 15.8 23.6

226 30.7 22.0 33.0

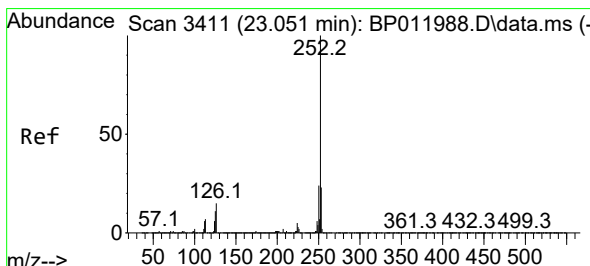
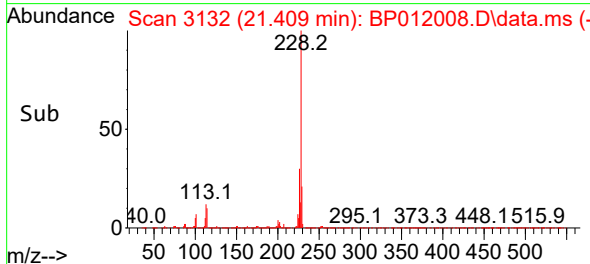
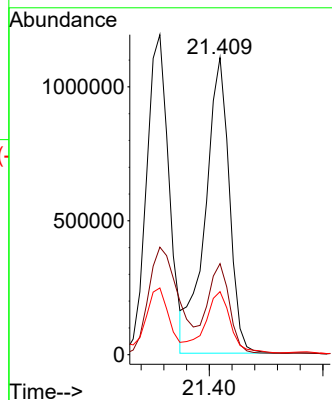
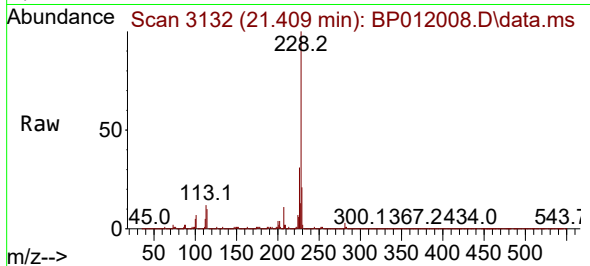




#87
Chrysene
Concen: 24.402 ng/ul
RT: 21.409 min Scan# 3131
Delta R.T. 0.006 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

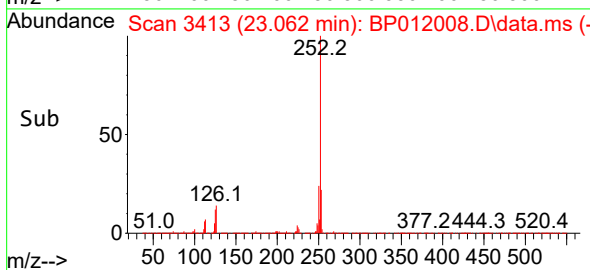
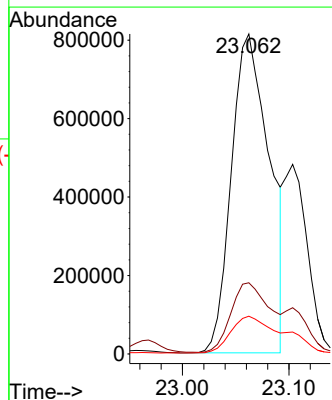
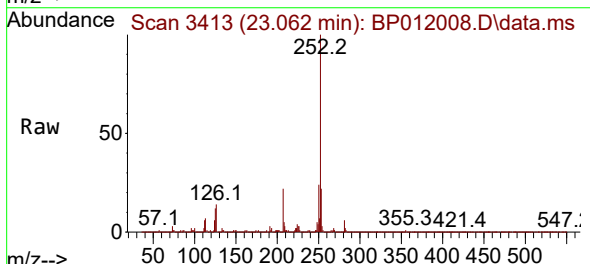
Instrument :
BNA_P
ClientSampleId :
E10012

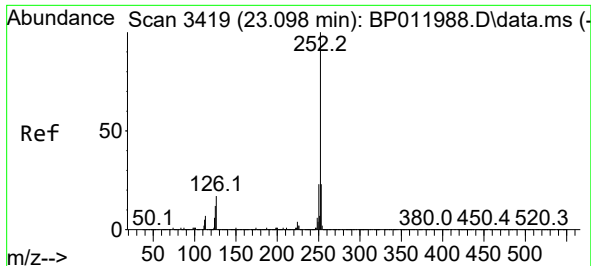
Tgt Ion:228 Resp: 1622883
Ion Ratio Lower Upper
228 100
226 30.7 25.3 37.9
229 21.2 16.2 24.2



#90
Benzo(b)fluoranthene
Concen: 27.891 ng/ul
RT: 23.062 min Scan# 3413
Delta R.T. 0.011 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

Tgt Ion:252 Resp: 2016866
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 11.8 9.2 13.8

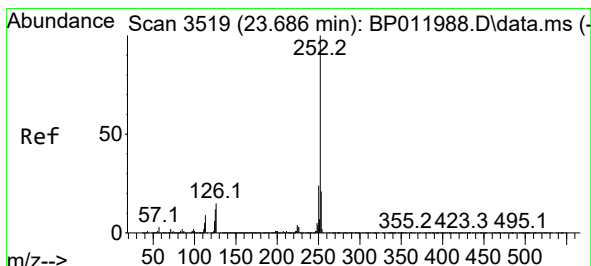
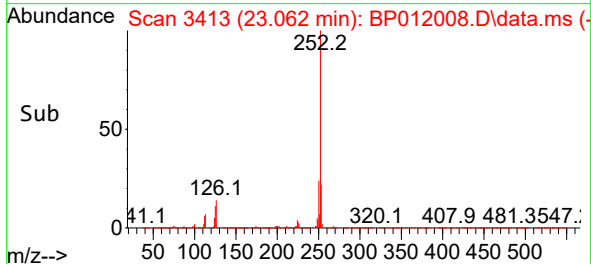
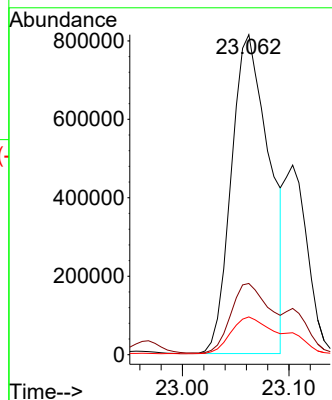
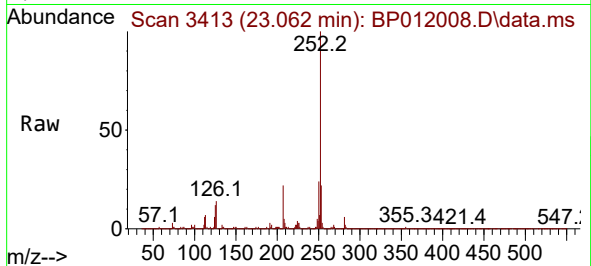




#91
Benzo(k)fluoranthene
Concen: 28.963 ng/ul
RT: 23.062 min Scan# 3419
Delta R.T. -0.036 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

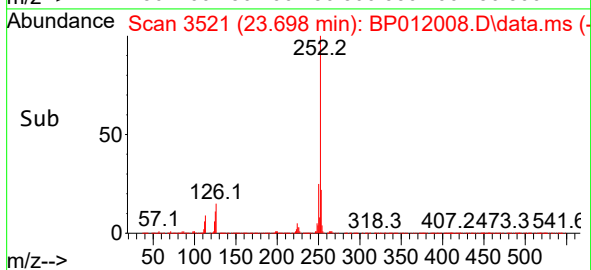
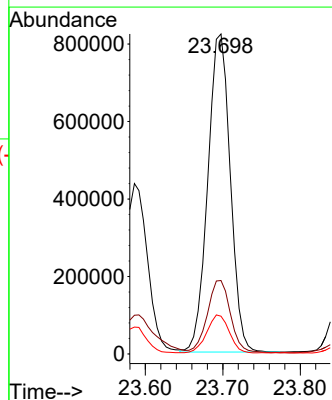
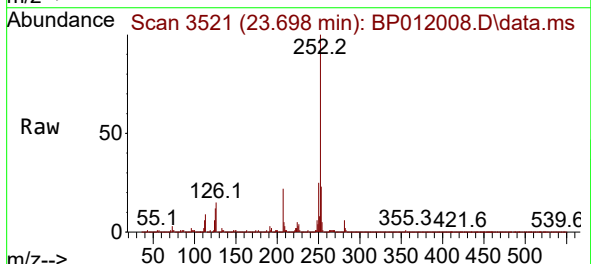
Instrument :
BNA_P
ClientSampleId :
E10012

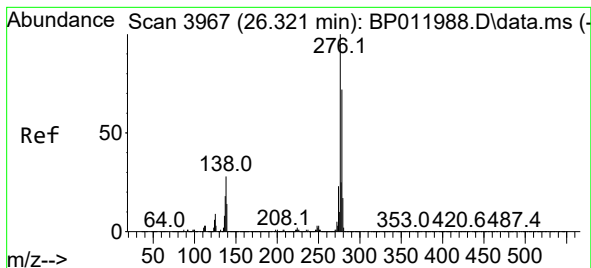
Tgt Ion:252 Resp: 2016866
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 11.8 9.2 13.8



#93
Benzo(a)pyrene
Concen: 25.735 ng/ul
RT: 23.698 min Scan# 3521
Delta R.T. 0.011 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

Tgt Ion:252 Resp: 1660753
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 11.8 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 11.774 ng/ul

RT: 26.327 min Scan# 3967

Delta R.T. 0.006 min

Lab File: BP012008.D

Acq: 07 Oct 2022 14:22

Instrument :

BNA_P

ClientSampleId :

E10012

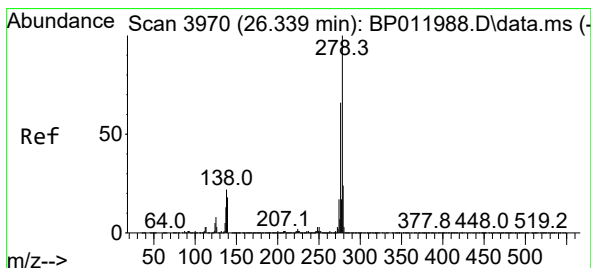
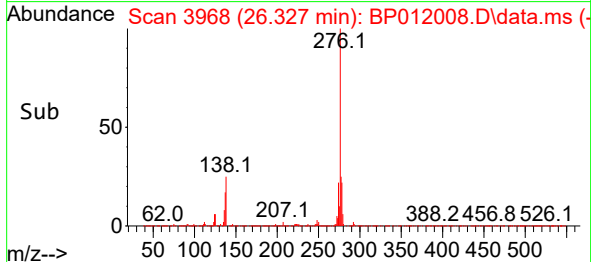
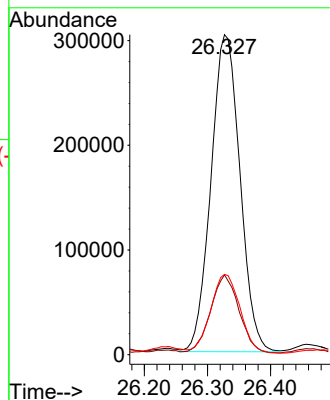
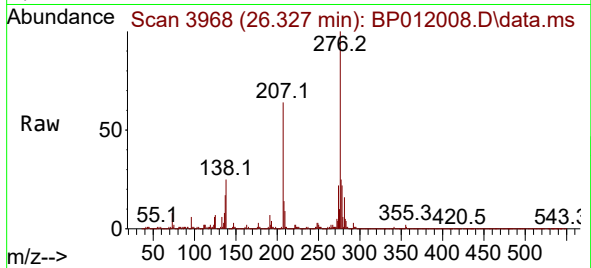
Tgt Ion:276 Resp: 967100

Ion Ratio Lower Upper

276 100

138 24.9 21.4 32.0

277 25.1 19.9 29.9



#95

Dibenzo(a,h)anthracene

Concen: 3.596 ng/ul

RT: 26.344 min Scan# 3971

Delta R.T. 0.006 min

Lab File: BP012008.D

Acq: 07 Oct 2022 14:22

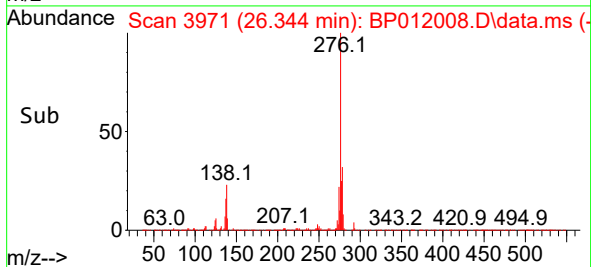
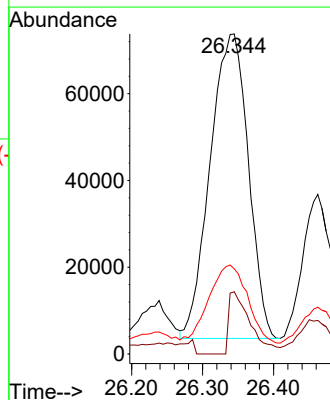
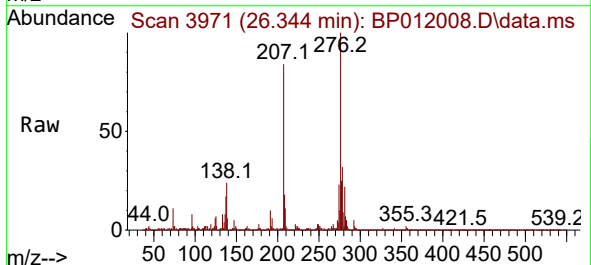
Tgt Ion:278 Resp: 262383

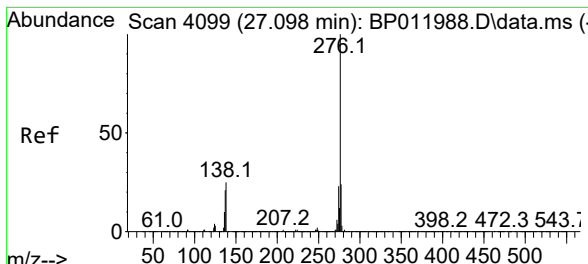
Ion Ratio Lower Upper

278 100

139 19.4 15.0 22.6

279 26.6 19.0 28.6





#96
 Benzo(g,h,i)perylene
 Concen: 11.487 ng/ul
 RT: 27.109 min Scan# 41
 Delta R.T. 0.011 min
 Lab File: BP012008.D
 Acq: 07 Oct 2022 14:22

Instrument :
 BNA_P
 ClientSampleId :
 E10012

Tgt Ion:	276	Resp:	836529
Ion	Ratio	Lower	Upper
276	100		
138	23.8	19.8	29.6
277	23.8	18.6	27.8

