

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111924\
 Data File : BP023216.D
 Acq On : 19 Nov 2024 13:14
 Operator : RC/JU
 Sample : P4847-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A0AT1

Quant Time: Nov 19 13:57:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP110924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 13 04:49:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.569	152	61824	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.316	136	224548	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.187	164	175952	20.000	ng/u1	-0.02
64) Phenanthrene-d10	17.004	188	426780	20.000	ng/u1	-0.01
79) Chrysene-d12	21.439	240	511004	20.000	ng/u1	0.00
88) Perylene-d12	24.651	264	611672	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.146	96	8762	6.812	ng/uL	0.01
4) Pyridine-d5	3.552	84	112140	29.346	ng/u1	0.00
7) Phenol-d5	6.781	99	161917	35.424	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.916	67	98430	36.653	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.122	132	120680	36.050	ng/u1	0.00
15) 4-Methylphenol-d8	8.287	113	128227	34.090	ng/u1	0.00
21) Nitrobenzene-d5	8.716	128	61797	39.531	ng/u1	0.00
24) 2-Nitrophenol-d4	9.428	143	72094	38.684	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.975	165	144916	37.131	ng/u1	0.00
31) 4-Chloroaniline-d4	10.469	131	154835	33.254	ng/u1	-0.01
46) Dimethylphthalate-d6	13.593	166	536038	42.270	ng/u1	-0.02
49) Acenaphthylene-d8	13.875	160	520132	39.308	ng/u1	-0.02
54) 4-Nitrophenol-d4	14.475	143	62742	32.922	ng/u1	0.02
60) Fluorene-d10	15.210	176	466804	41.985	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.357	200	92429	36.153	ng/u1	0.00
73) Anthracene-d10	17.098	188	833696	46.136	ng/u1	-0.02
81) Pyrene-d10	19.486	212	1096662	46.593	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.433	264	1418643	48.690	ng/u1	-0.01
Target Compounds						
					Qvalue	
10) Bis(2-Chloroethyl)ether	7.011	93	140338	39.127	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.099	45	324741	79.979	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.369	70	351478	111.368	ng/u1	99
19) Hexachloroethane	8.622	117	165445	98.428	ng/u1	95
22) Nitrobenzene	8.758	77	323852	72.199	ng/u1	96
23) Isophorone	9.269	82	1133728	141.353	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.734	93	148926	33.746	ng/u1	96
30) Naphthalene	10.369	128	210019	19.252	ng/u1	98
33) Hexachlorobutadiene	10.640	225	325709	93.115	ng/u1	99
36) 2-Methylnaphthalene	11.987	142	564374	68.527	ng/u1	97
40) Hexachlorocyclopentadiene	12.328	237	270072	86.561	ng/u1	97
44) 2-Chloronaphthalene	13.057	162	1273733	138.203	ng/u1	100
50) Acenaphthylene	13.904	152	723972	54.127	ng/u1	99
52) Acenaphthene	14.251	153	173346	17.851	ng/u1	98
56) Dibenzofuran	14.598	168	1362708	90.828	ng/u1	98
57) 2,4-Dinitrotoluene	14.587	165	762123	196.562	ng/u1	98
59) Diethylphthalate	15.034	149	2297339	185.734	ng/u1	99
61) Fluorene	15.263	166	158491	12.907	ng/u1	99
62) 4-Chlorophenyl-phenyle...	15.251	204	396303	54.810	ng/u1	99
69) Hexachlorobenzene	16.287	284	249564	41.020	ng/u1	95
72) Phenanthrene	17.045	178	1048043	52.011	ng/u1	100
74) Anthracene	17.128	178	1409540	69.575	ng/u1	99
78) Di-n-butylphthalate	18.010	149	4605418	234.798	ng/u1	99
80) Fluoranthene	19.139	202	1937726	71.460	ng/u1	100

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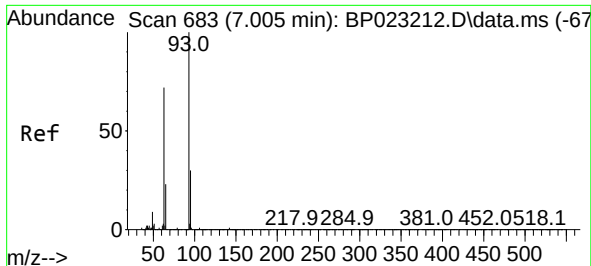
Instrument :
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Quant Time: Nov 19 13:57:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP110924.MA.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

83) Butylbenzylphthalate	20.469	149	697906	72.769	ng/ul	90
85) Benzo(a)anthracene	21.416	228	1019938	32.687	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.345	149	863933	63.389	ng/ul	98
90) Benzo(b)fluoranthene	23.651	252	2386791	70.106	ng/ul	99
91) Benzo(k)fluoranthene	23.716	252	2110824	62.981	ng/ul#	98
93) Benzo(a)pyrene	24.498	252	1293722	42.036	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.304	276	1858148	43.335	ng/ul	99
95) Dibenzo(a,h)anthracene	28.356	278	1250026	35.904	ng/ul	99
96) Benzo(g,h,i)perylene	29.433	276	2137757	65.639	ng/ul	99

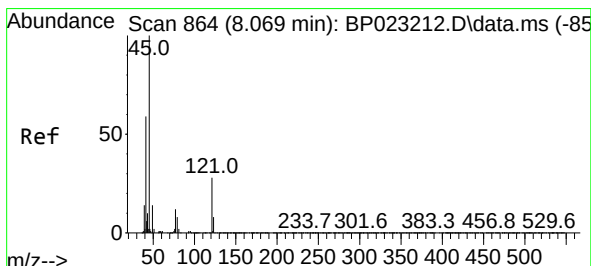
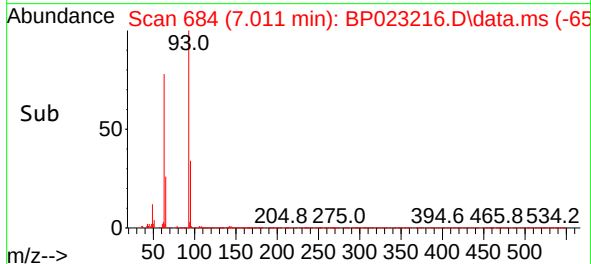
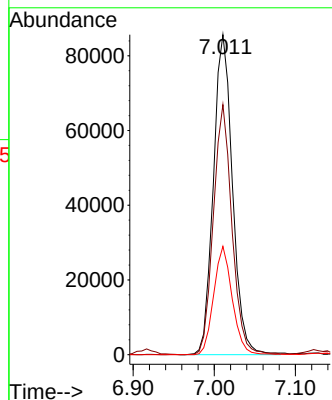
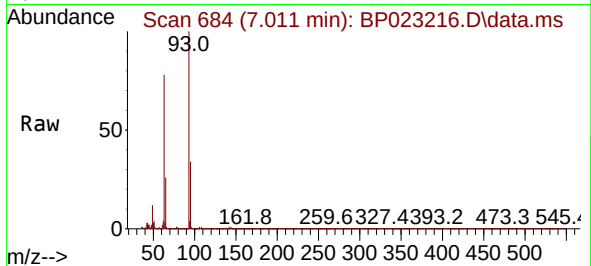
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#10
Bis(2-Chloroethyl)ether
Concen: 39.127 ng/ul
RT: 7.011 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP023216.D
Acq: 19 Nov 2024 13:14

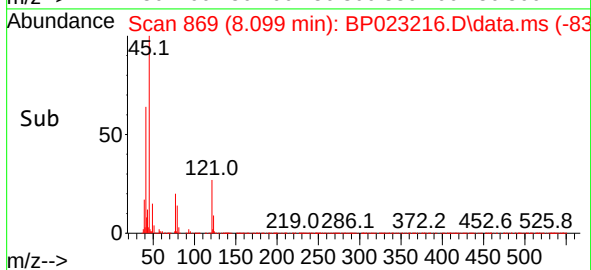
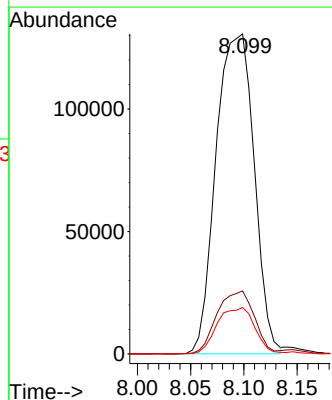
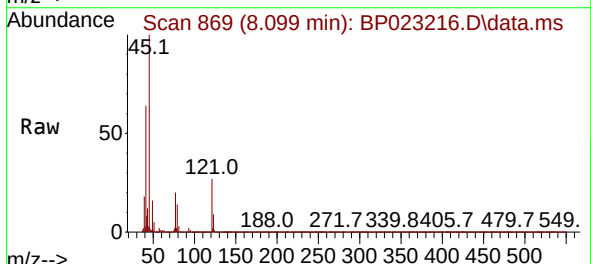
Instrument :
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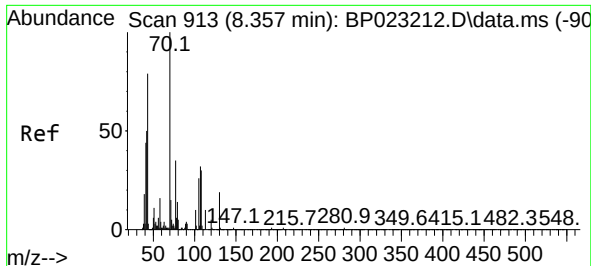
Tgt Ion: 93 Resp: 140338
Ion Ratio Lower Upper
93 100
63 78.2 60.6 91.0
95 33.9 29.0 43.4



#14
2,2'-oxybis(1-Chloropropane)
Concen: 79.979 ng/ul
RT: 8.099 min Scan# 869
Delta R.T. 0.006 min
Lab File: BP023216.D
Acq: 19 Nov 2024 13:14

Tgt Ion: 45 Resp: 324741
Ion Ratio Lower Upper
45 100
77 19.7 18.2 27.2
79 14.5 11.7 17.5



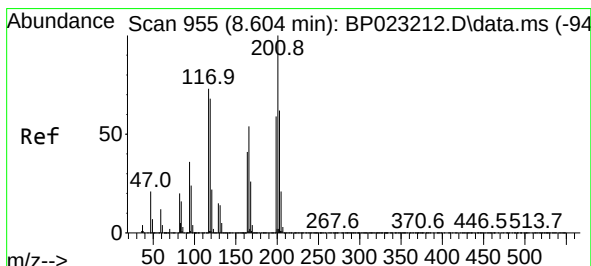
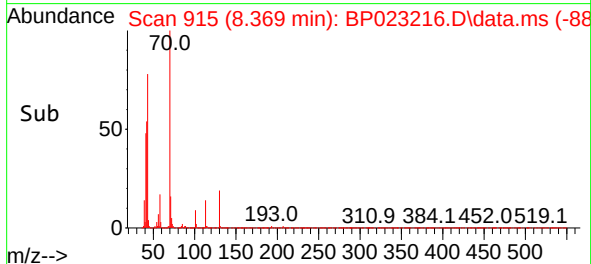
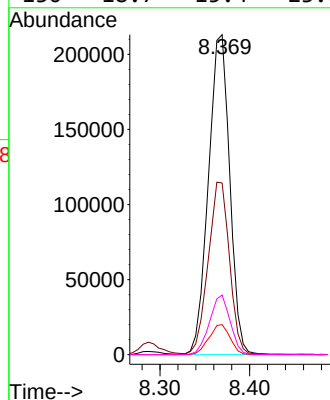
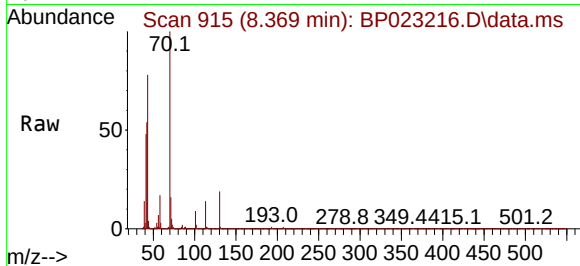


#17
N-Nitroso-di-n-propylamine
Concen: 111.368 ng/ul
RT: 8.369 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP023216.D
Acq: 19 Nov 2024 13:14

Instrument :
BNA_P
ClientSampleId :
A0AT1

Tgt Ion: 70 Resp: 351478

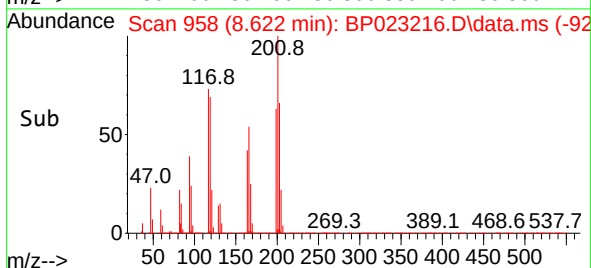
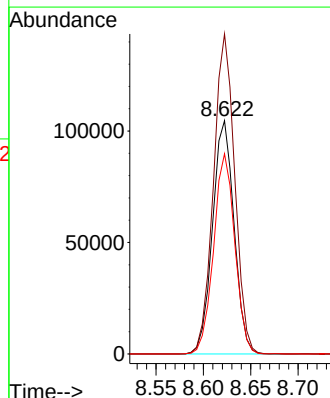
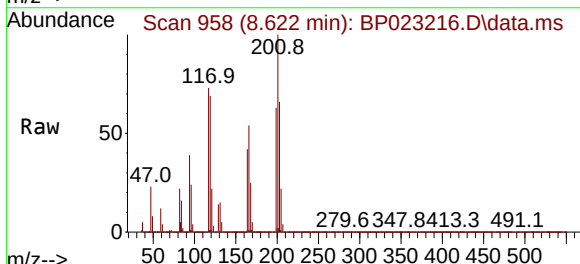
Ion	Ratio	Lower	Upper
70	100		
42	53.6	42.3	63.5
101	9.4	7.4	11.2
130	18.7	15.4	23.0

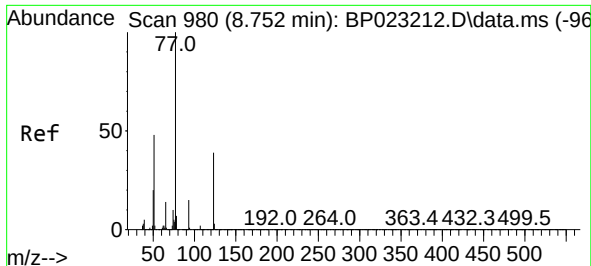


#19
Hexachloroethane
Concen: 98.428 ng/ul
RT: 8.622 min Scan# 958
Delta R.T. -0.012 min
Lab File: BP023216.D
Acq: 19 Nov 2024 13:14

Tgt Ion: 117 Resp: 165445

Ion	Ratio	Lower	Upper
117	100		
201	137.2	105.0	157.6
199	85.8	65.9	98.9

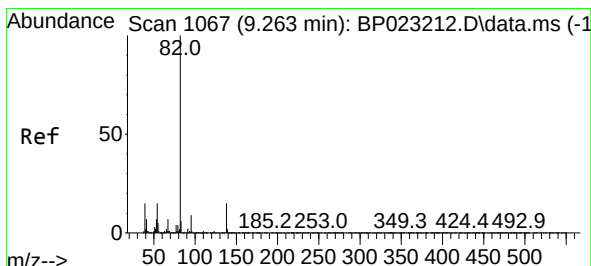
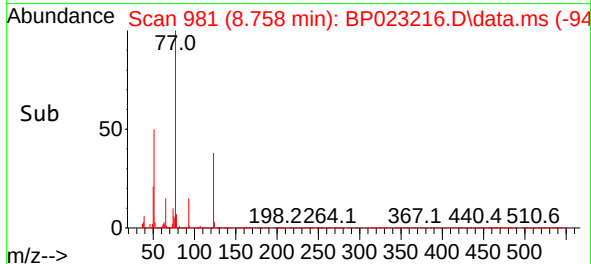
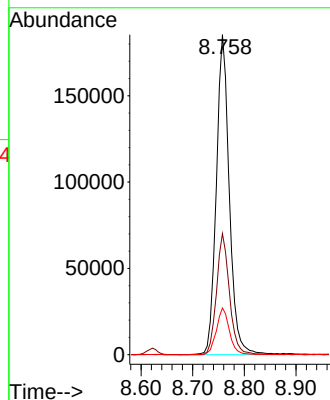
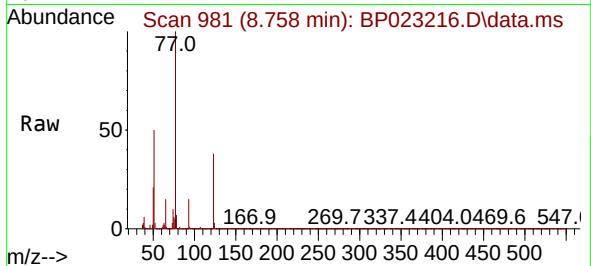




#22
Nitrobenzene
Concen: 72.199 ng/ul
RT: 8.758 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP023216.D
Acq: 19 Nov 2024 13:14

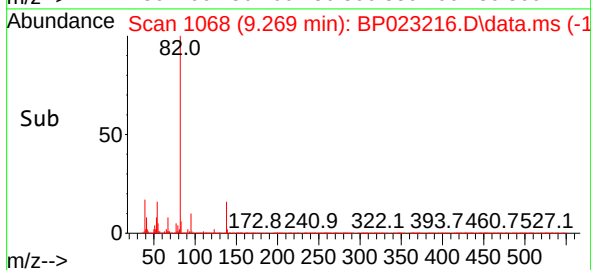
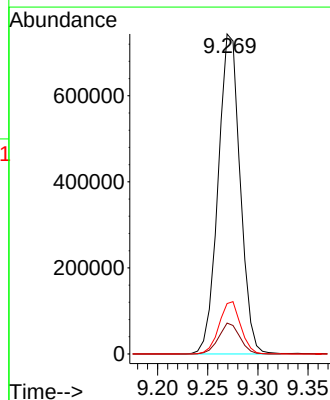
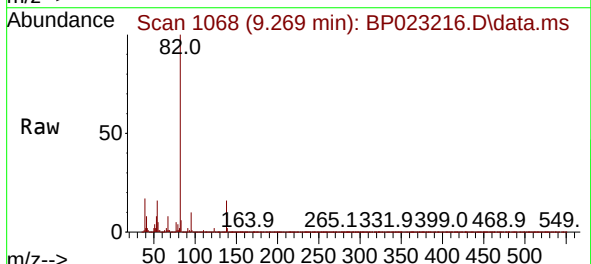
Instrument :
BNA_P
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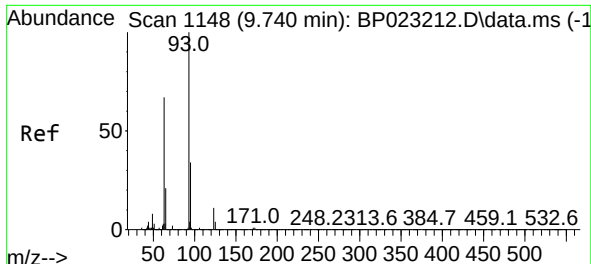
Tgt Ion: 77 Resp: 323852
Ion Ratio Lower Upper
77 100
123 37.8 32.2 48.4
65 14.6 10.9 16.3



#23
Isophorone
Concen: 141.353 ng/ul
RT: 9.269 min Scan# 1068
Delta R.T. -0.018 min
Lab File: BP023216.D
Acq: 19 Nov 2024 13:14

Tgt Ion: 82 Resp: 1133728
Ion Ratio Lower Upper
82 100
95 9.7 7.6 11.4
138 15.8 13.4 20.2





#27

Bis(2-Chloroethoxy)methane

Concen: 33.746 ng/ul

RT: 9.734 min Scan# 1147

Delta R.T. -0.018 min

Lab File: BP023216.D

Acq: 19 Nov 2024 13:14

Instrument :

BNA_P

ClientSampleId :

A0AT1

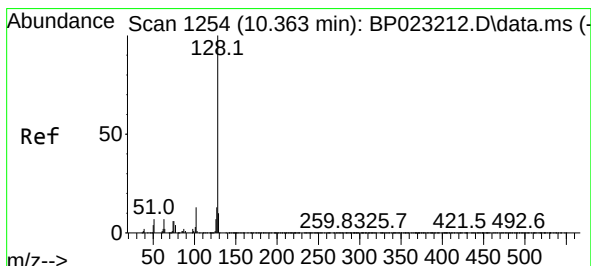
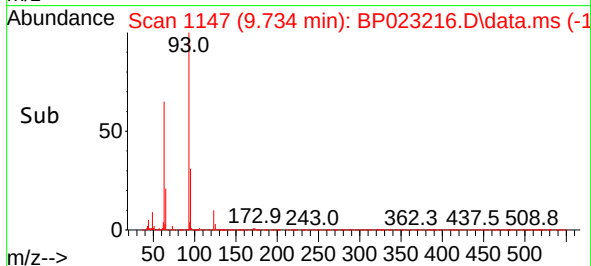
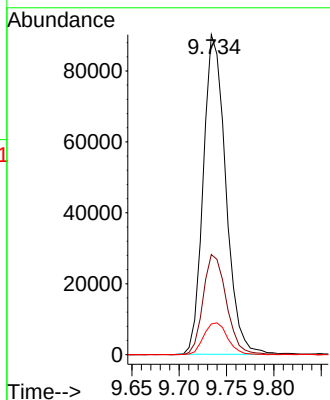
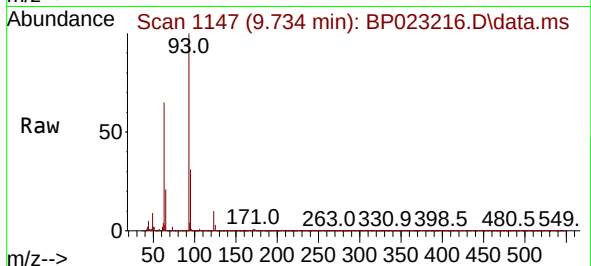
Tgt Ion: 93 Resp: 148926

Ion Ratio Lower Upper

93 100

95 31.3 27.0 40.6

123 9.6 8.2 12.4



#30

Naphthalene

Concen: 19.252 ng/ul

RT: 10.369 min Scan# 1255

Delta R.T. -0.012 min

Lab File: BP023216.D

Acq: 19 Nov 2024 13:14

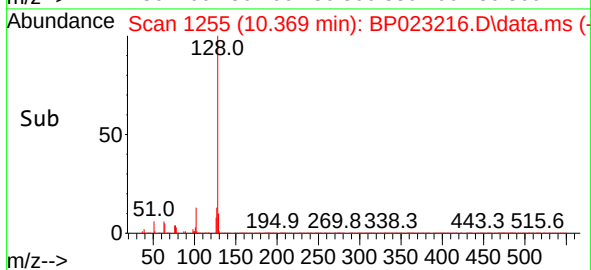
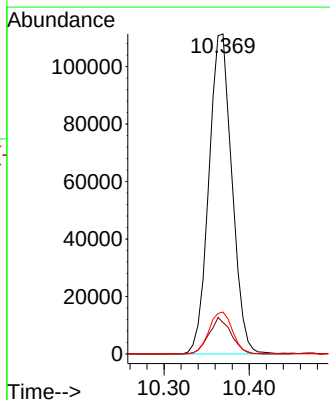
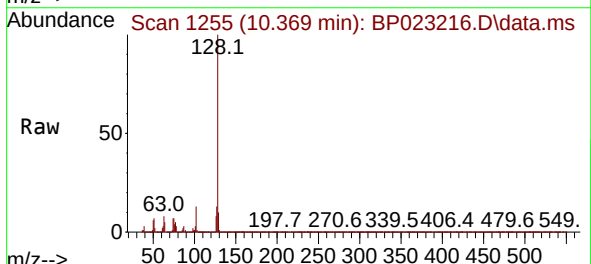
Tgt Ion:128 Resp: 210019

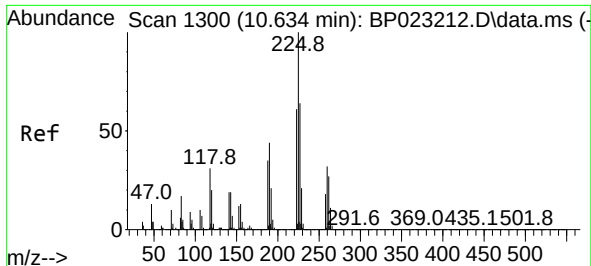
Ion Ratio Lower Upper

128 100

129 9.8 8.7 13.1

127 13.1 10.2 15.2

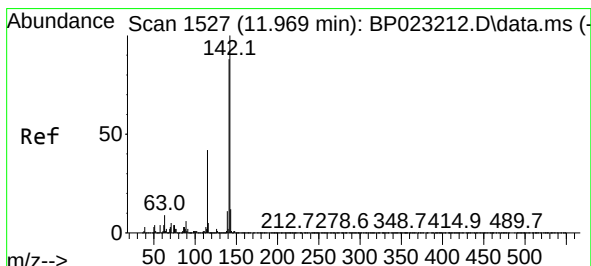
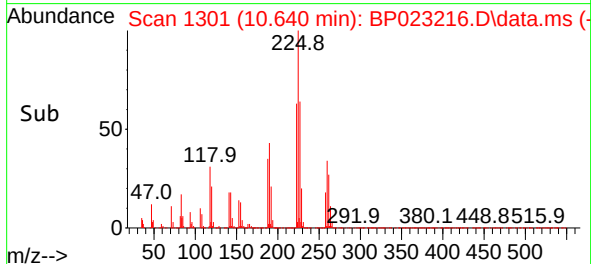
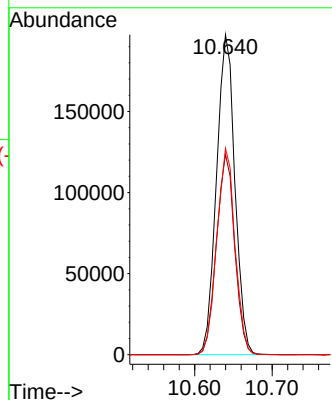
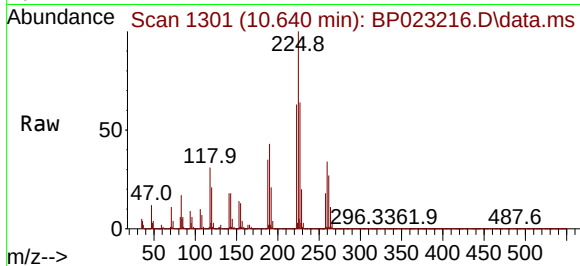




#33
Hexachlorobutadiene
Concen: 93.115 ng/ul
RT: 10.640 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP023216.D
Acq: 19 Nov 2024 13:14

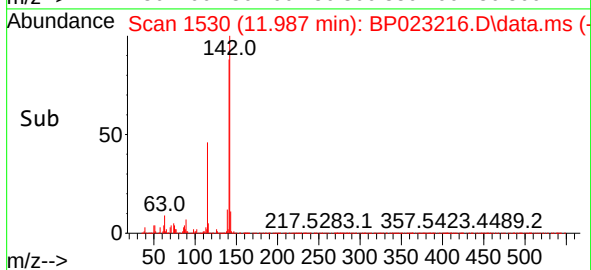
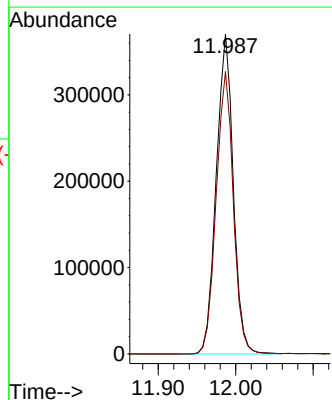
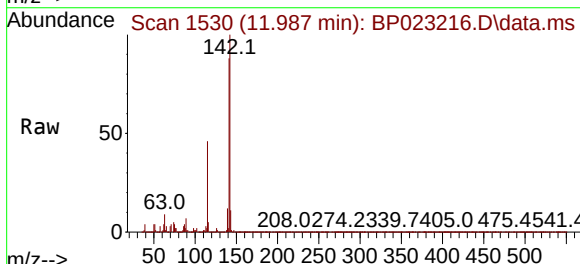
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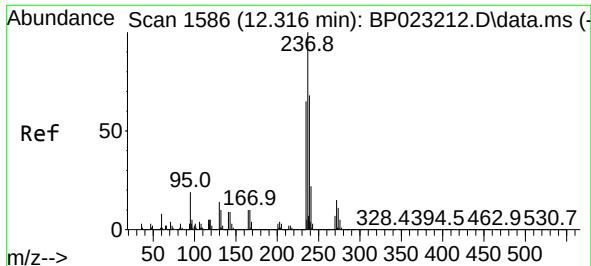
Tgt Ion:225 Resp: 325709
Ion Ratio Lower Upper
225 100
223 62.6 49.7 74.5
227 64.5 51.4 77.0



#36
2-Methylnaphthalene
Concen: 68.527 ng/ul
RT: 11.987 min Scan# 1530
Delta R.T. -0.006 min
Lab File: BP023216.D
Acq: 19 Nov 2024 13:14

Tgt Ion:142 Resp: 564374
Ion Ratio Lower Upper
142 100
141 88.3 73.1 109.7

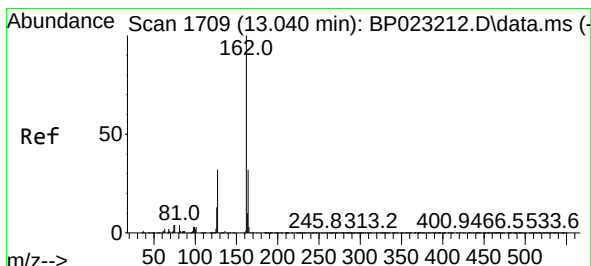
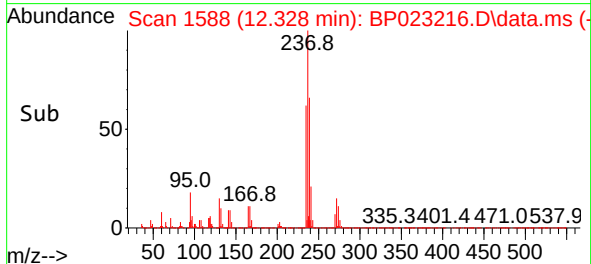
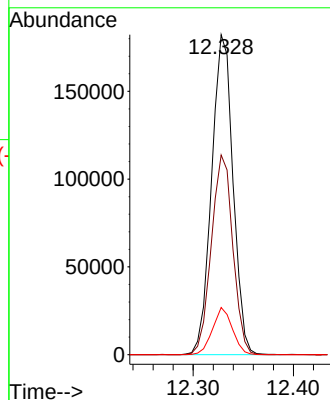
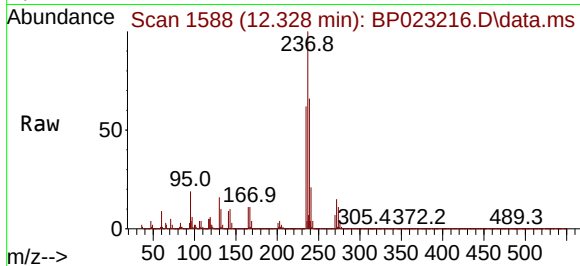




#40
Hexachlorocyclopentadiene
Concen: 86.561 ng/ul
RT: 12.328 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BP023216.D
Acq: 19 Nov 2024 13:14

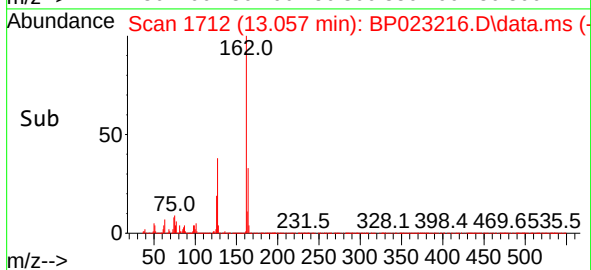
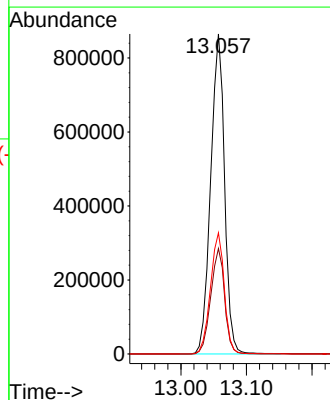
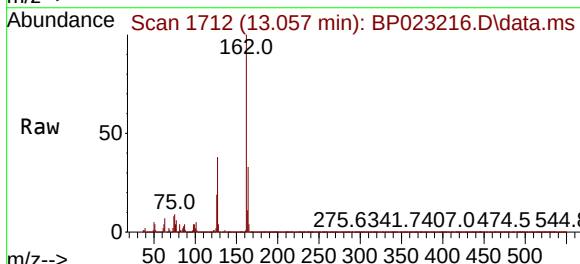
Instrument :
BNA_P
ClientSampleId :
A0AT1

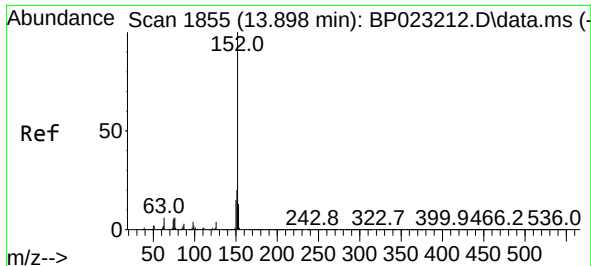
Tgt Ion:237 Resp: 270072
Ion Ratio Lower Upper
237 100
235 62.4 48.6 73.0
272 14.8 10.2 15.2



#44
2-Chloronaphthalene
Concen: 138.203 ng/ul
RT: 13.057 min Scan# 1712
Delta R.T. 0.000 min
Lab File: BP023216.D
Acq: 19 Nov 2024 13:14

Tgt Ion:162 Resp: 1273733
Ion Ratio Lower Upper
162 100
164 33.0 26.6 40.0
127 37.9 30.2 45.2

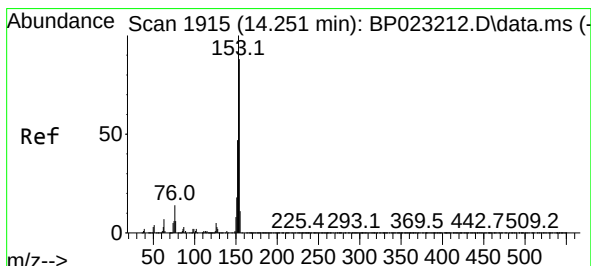
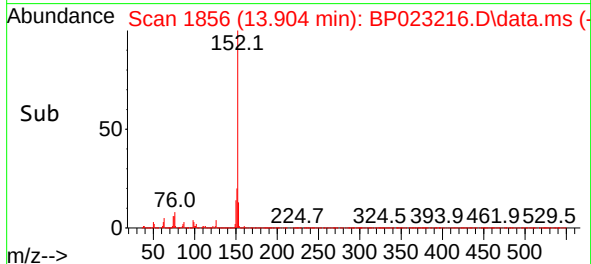
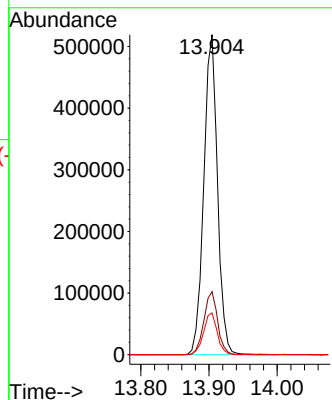
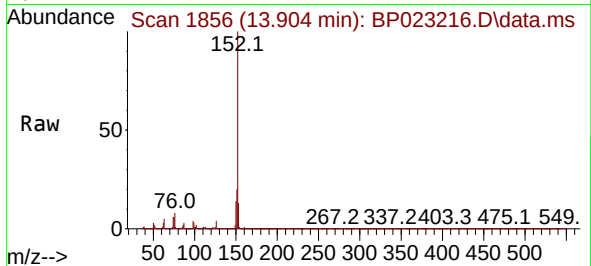




#50
Acenaphthylene
Concen: 54.127 ng/ul
RT: 13.904 min Scan# 1856
Delta R.T. -0.018 min
Lab File: BP023216.D
Acq: 19 Nov 2024 13:14

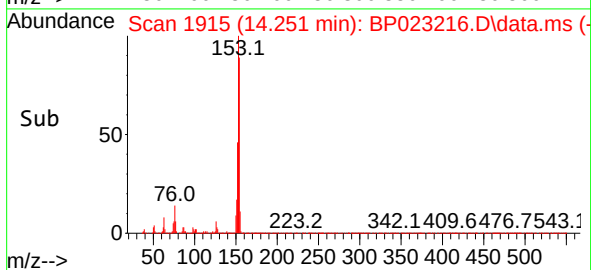
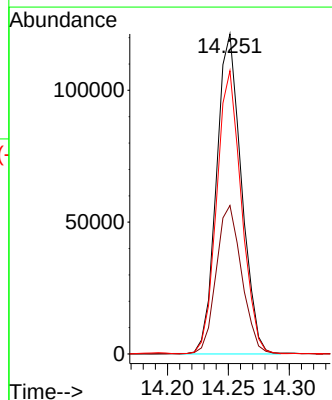
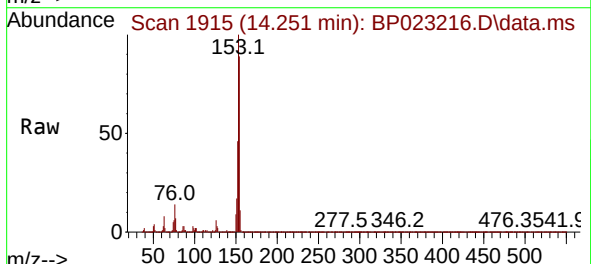
Instrument :
BNA_P
ClientSampleId :
A0AT1

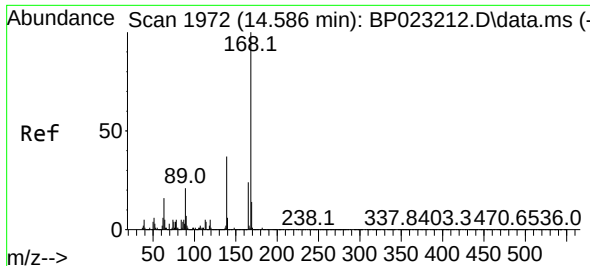
Tgt Ion:152 Resp: 723972
Ion Ratio Lower Upper
152 100
151 19.7 15.9 23.9
153 13.1 10.2 15.2



#52
Acenaphthene
Concen: 17.851 ng/ul
RT: 14.251 min Scan# 1915
Delta R.T. -0.018 min
Lab File: BP023216.D
Acq: 19 Nov 2024 13:14

Tgt Ion:153 Resp: 173346
Ion Ratio Lower Upper
153 100
152 46.4 39.6 59.4
154 88.5 70.9 106.3

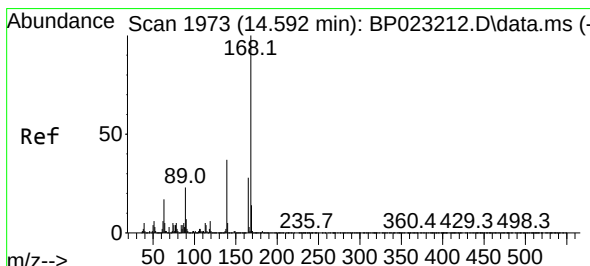
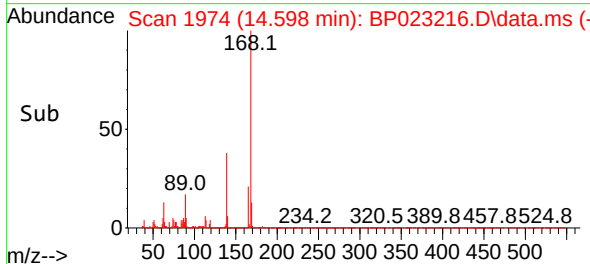
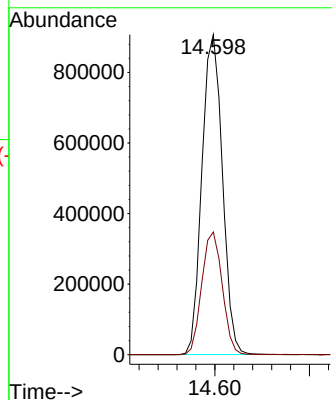
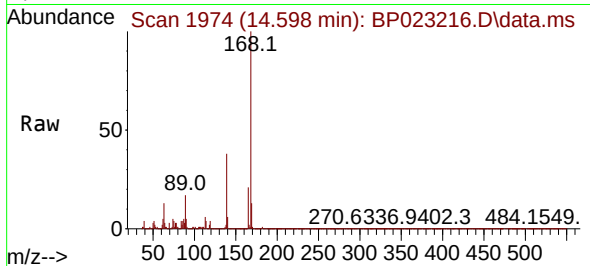




#56
Dibenzofuran
Concen: 90.828 ng/ul
RT: 14.598 min Scan# 1974
Delta R.T. -0.012 min
Lab File: BP023216.D
Acq: 19 Nov 2024 13:14

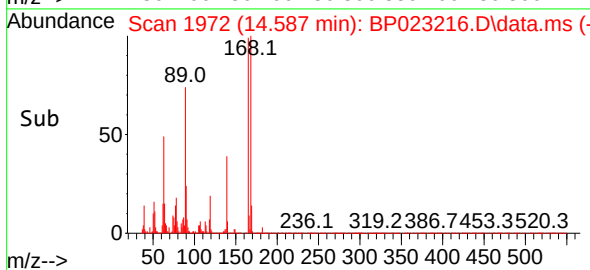
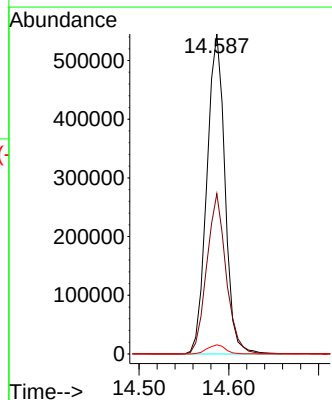
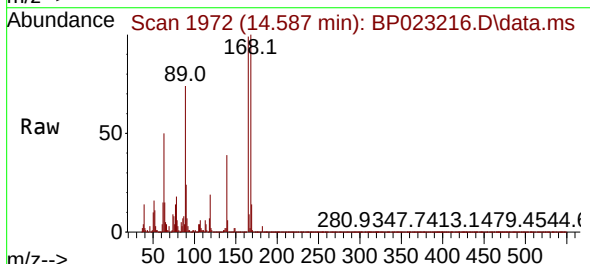
Instrument :
BNA_P
ClientSampleId :
A0AT1

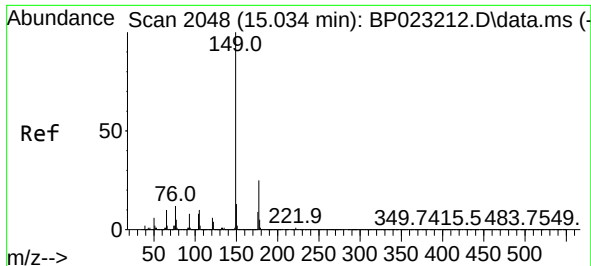
Tgt Ion:168 Resp: 1362708
Ion Ratio Lower Upper
168 100
139 38.4 29.7 44.5



#57
2,4-Dinitrotoluene
Concen: 196.562 ng/ul
RT: 14.587 min Scan# 1972
Delta R.T. -0.024 min
Lab File: BP023216.D
Acq: 19 Nov 2024 13:14

Tgt Ion:165 Resp: 762123
Ion Ratio Lower Upper
165 100
63 50.1 41.3 61.9
182 2.8 2.5 3.7

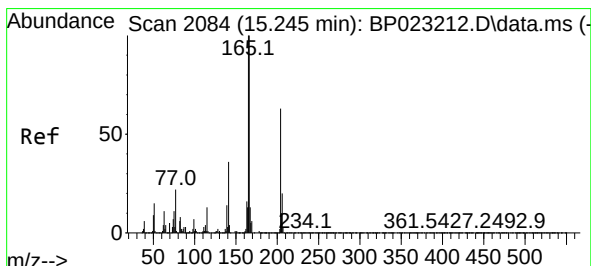
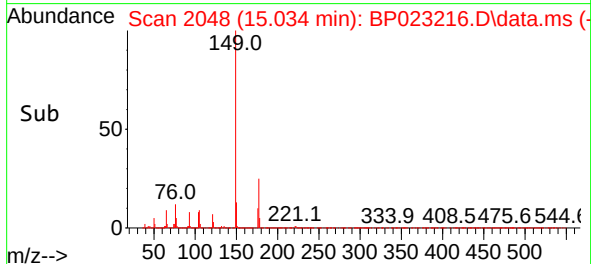
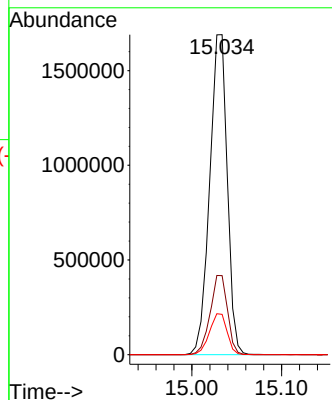
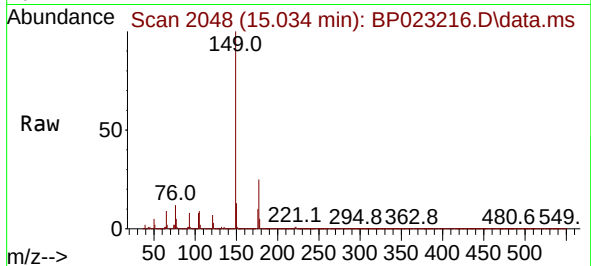




#59
Diethylphthalate
Concen: 185.734 ng/ul
RT: 15.034 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BP023216.D
Acq: 19 Nov 2024 13:14

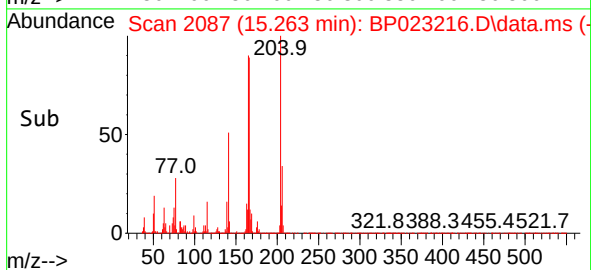
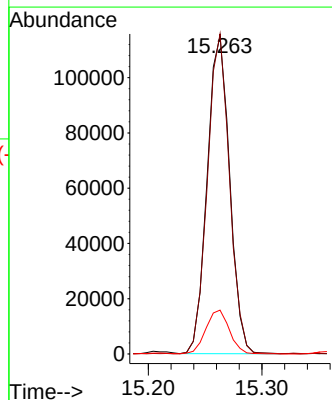
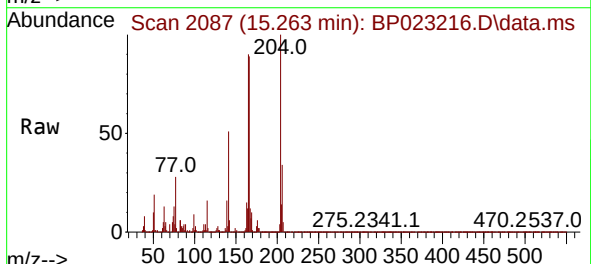
Instrument :
BNA_P
ClientSampleId :
A0AT1

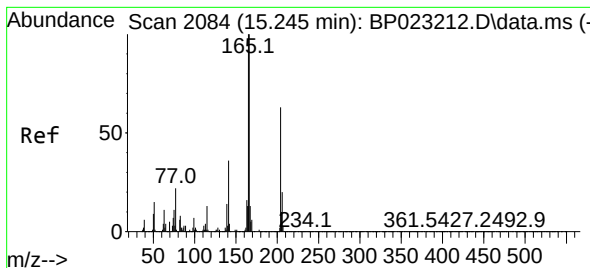
Tgt Ion:149 Resp: 2297339
Ion Ratio Lower Upper
149 100
177 24.7 19.7 29.5
150 12.6 9.8 14.6



#61
Fluorene
Concen: 12.907 ng/ul
RT: 15.263 min Scan# 2087
Delta R.T. -0.012 min
Lab File: BP023216.D
Acq: 19 Nov 2024 13:14

Tgt Ion:166 Resp: 158491
Ion Ratio Lower Upper
166 100
165 100.6 79.5 119.3
167 13.8 10.3 15.5

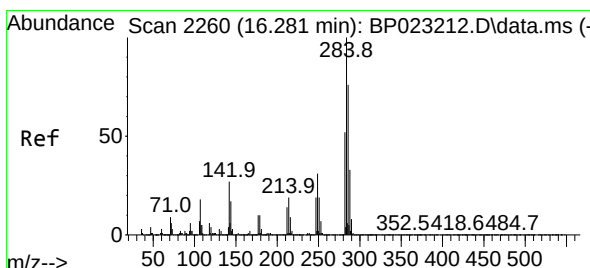
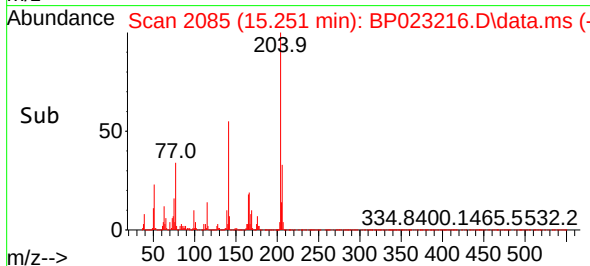
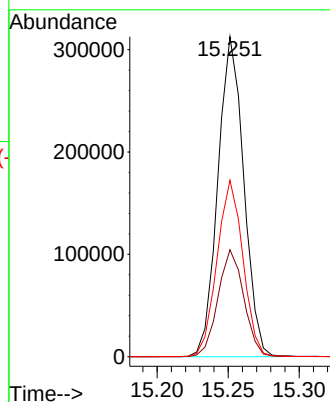
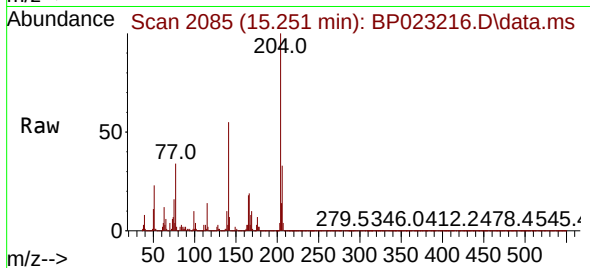




#62
4-Chlorophenyl-phenylether
Concen: 54.810 ng/ul
RT: 15.251 min Scan# 2085
Delta R.T. -0.024 min
Lab File: BP023216.D
Acq: 19 Nov 2024 13:14

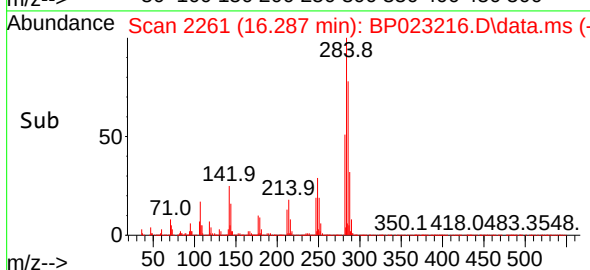
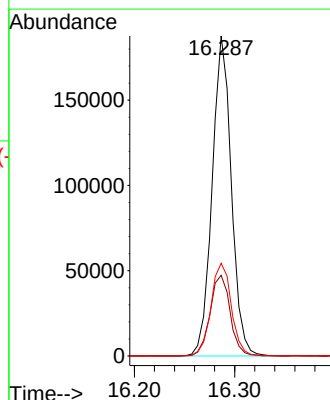
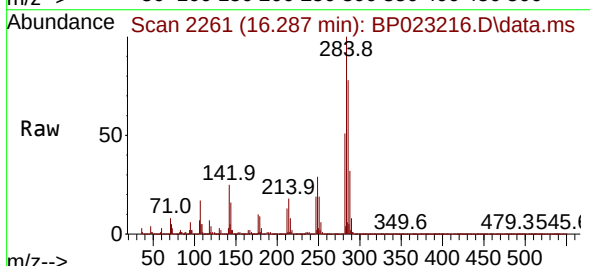
Instrument :
BNA_P
ClientSampleId :
A0AT1

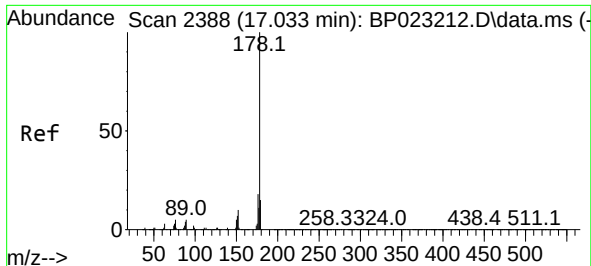
Tgt Ion:204 Resp: 396303
Ion Ratio Lower Upper
204 100
206 33.4 27.2 40.8
141 55.1 44.6 66.8



#69
Hexachlorobenzene
Concen: 41.020 ng/ul
RT: 16.287 min Scan# 2261
Delta R.T. -0.018 min
Lab File: BP023216.D
Acq: 19 Nov 2024 13:14

Tgt Ion:284 Resp: 249564
Ion Ratio Lower Upper
284 100
142 25.2 21.5 32.3
249 28.9 25.6 38.4

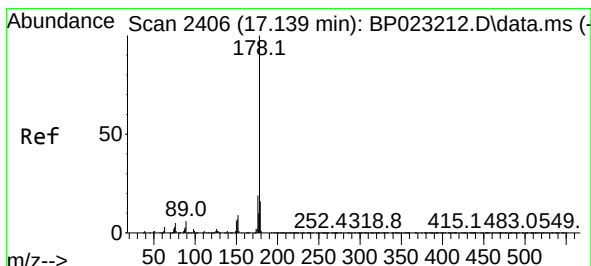
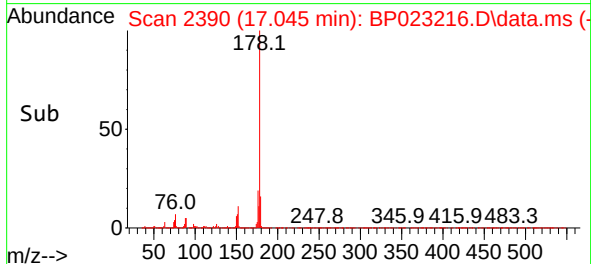
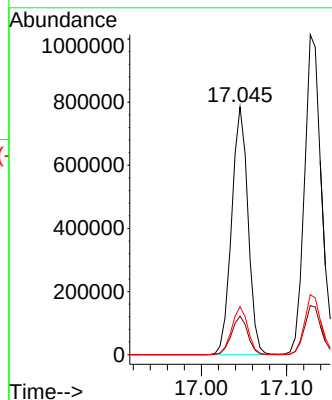
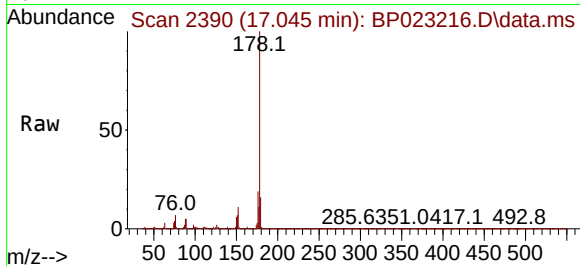




#72
Phenanthrene
Concen: 52.011 ng/ul
RT: 17.045 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP023216.D
Acq: 19 Nov 2024 13:14

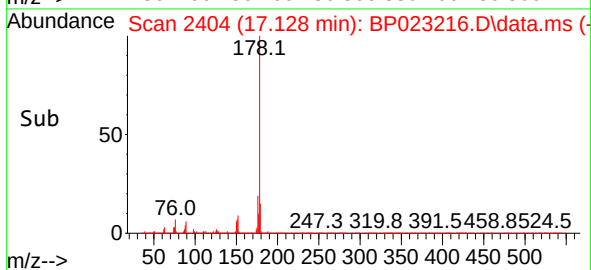
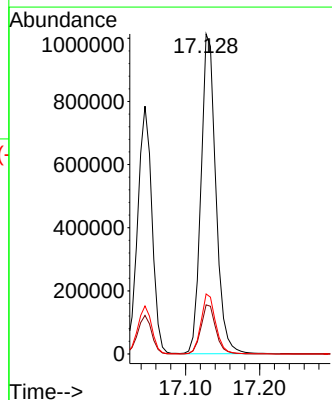
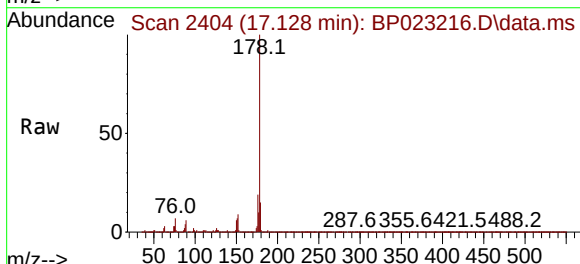
Instrument :
BNA_P
ClientSampleId :
A0AT1

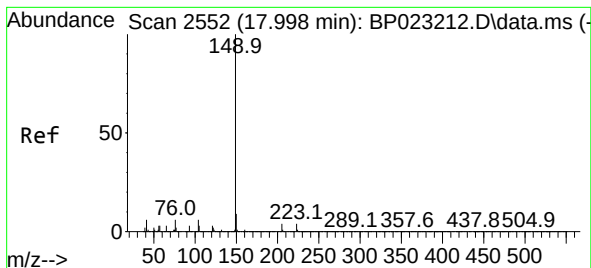
Tgt Ion:178 Resp: 1048043
Ion Ratio Lower Upper
178 100
179 15.6 12.7 19.1
176 19.3 15.4 23.2



#74
Anthracene
Concen: 69.575 ng/ul
RT: 17.128 min Scan# 2404
Delta R.T. -0.023 min
Lab File: BP023216.D
Acq: 19 Nov 2024 13:14

Tgt Ion:178 Resp: 1409540
Ion Ratio Lower Upper
178 100
179 15.4 12.4 18.6
176 18.8 14.5 21.7





#78

Di-n-butylphthalate

Concen: 234.798 ng/ul

RT: 18.010 min Scan# 2554

Delta R.T. -0.006 min

Lab File: BP023216.D

Acq: 19 Nov 2024 13:14

Instrument :

BNA_P

ClientSampleId :

A0AT1

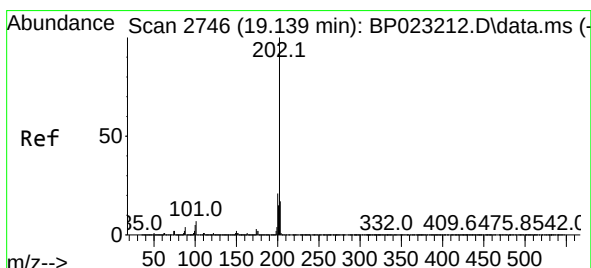
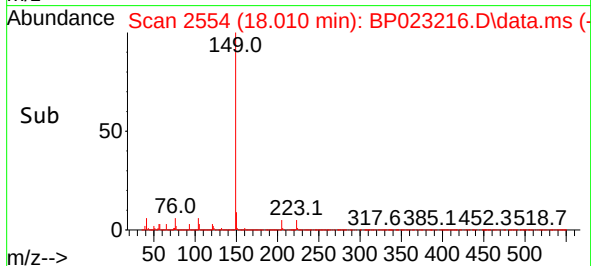
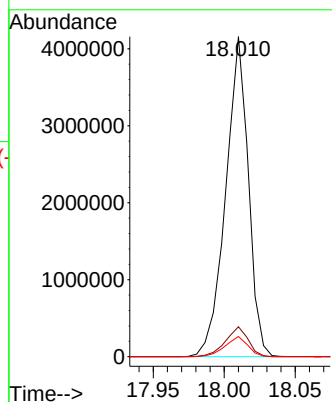
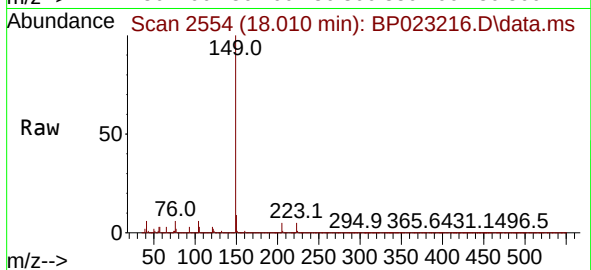
Tgt Ion:149 Resp: 4605418

Ion Ratio Lower Upper

149 100

150 9.4 7.2 10.8

104 6.3 5.0 7.4



#80

Fluoranthene

Concen: 71.460 ng/ul

RT: 19.139 min Scan# 2746

Delta R.T. -0.006 min

Lab File: BP023216.D

Acq: 19 Nov 2024 13:14

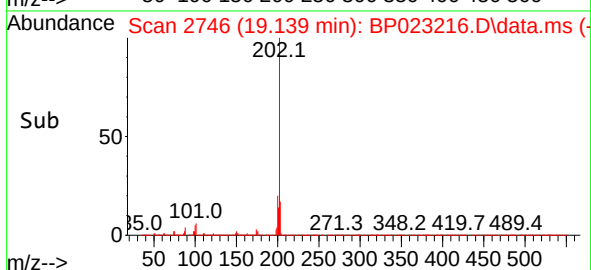
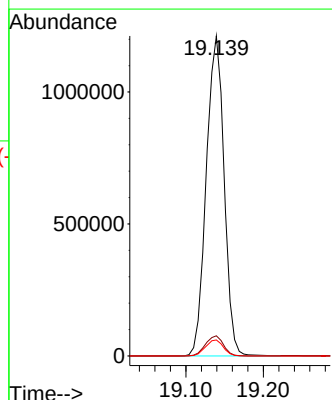
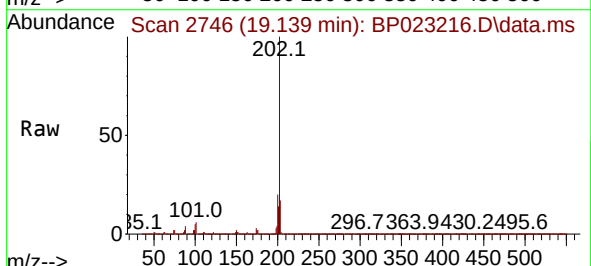
Tgt Ion:202 Resp: 1937726

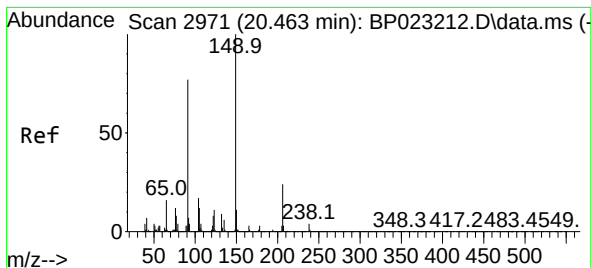
Ion Ratio Lower Upper

202 100

101 6.3 5.2 7.8

100 5.0 4.1 6.1





#83

Butylbenzylphthalate

Concen: 72.769 ng/ul

RT: 20.469 min Scan# 2971

Delta R.T. -0.012 min

Lab File: BP023216.D

Acq: 19 Nov 2024 13:14

Instrument :

BNA_P

ClientSampleId :

A0AT1

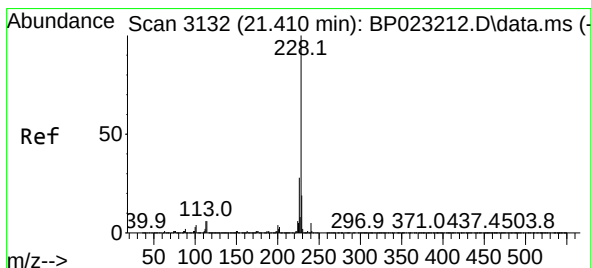
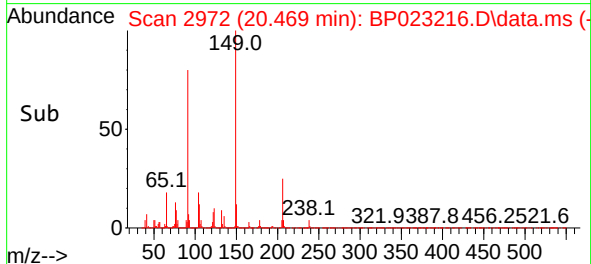
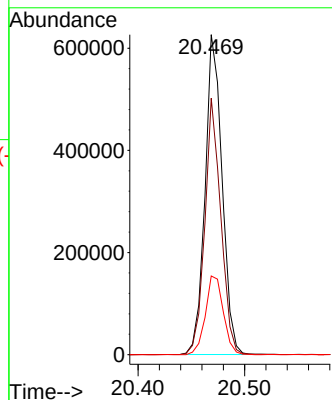
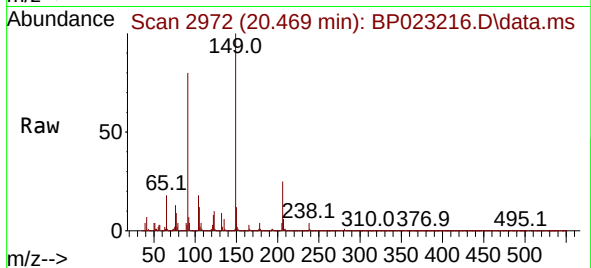
Tgt Ion:149 Resp: 697906

Ion Ratio Lower Upper

149 100

91 80.1 55.6 83.4

206 24.6 20.2 30.2



#85

Benzo(a)anthracene

Concen: 32.687 ng/ul

RT: 21.416 min Scan# 3133

Delta R.T. -0.006 min

Lab File: BP023216.D

Acq: 19 Nov 2024 13:14

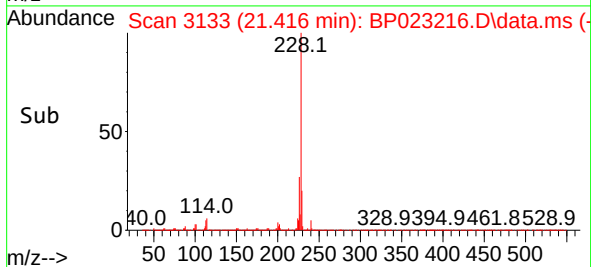
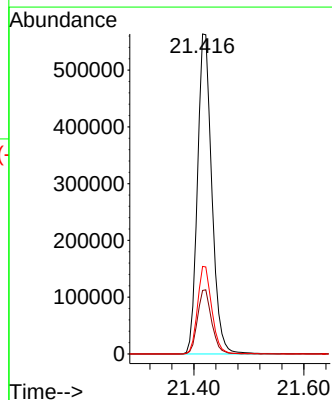
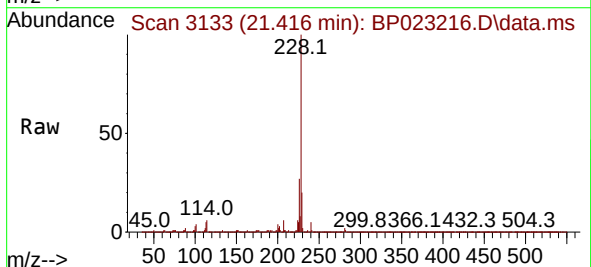
Tgt Ion:228 Resp: 1019938

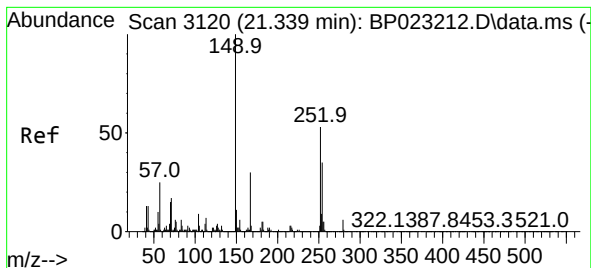
Ion Ratio Lower Upper

228 100

229 19.9 15.5 23.3

226 27.3 21.9 32.9





#86

Bis(2-ethylhexyl)phthalate

Concen: 63.389 ng/ul

RT: 21.345 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP023216.D

Acq: 19 Nov 2024 13:14

Instrument :

BNA_P

ClientSampleId :

A0AT1

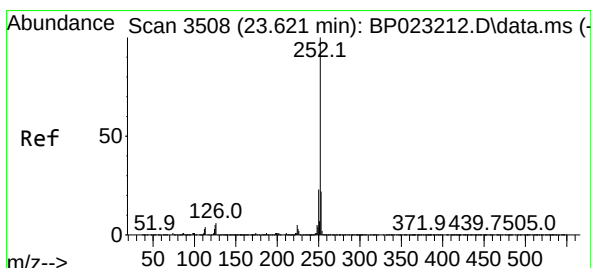
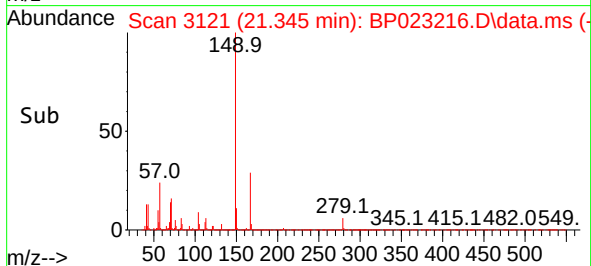
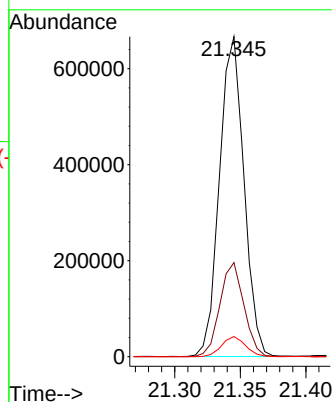
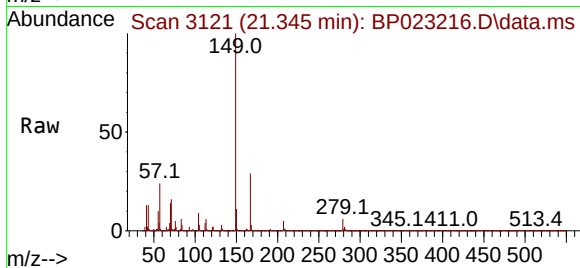
Tgt Ion:149 Resp: 863933

Ion Ratio Lower Upper

149 100

167 29.4 24.5 36.7

279 6.3 5.5 8.3



#90

Benzo(b)fluoranthene

Concen: 70.106 ng/ul

RT: 23.651 min Scan# 3513

Delta R.T. 0.012 min

Lab File: BP023216.D

Acq: 19 Nov 2024 13:14

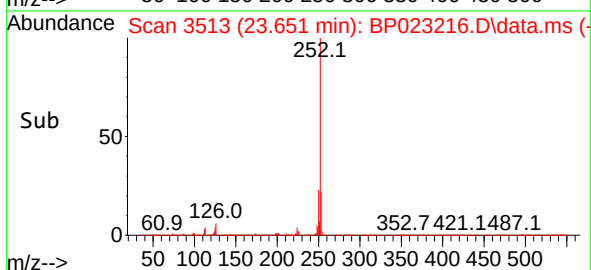
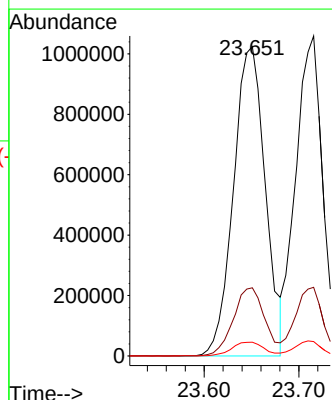
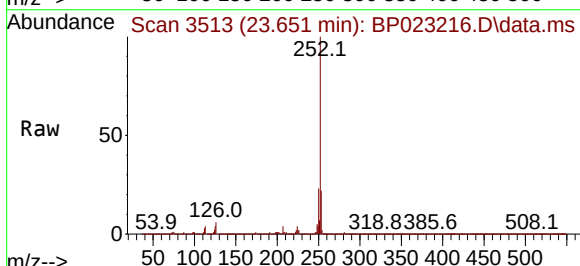
Tgt Ion:252 Resp: 2386791

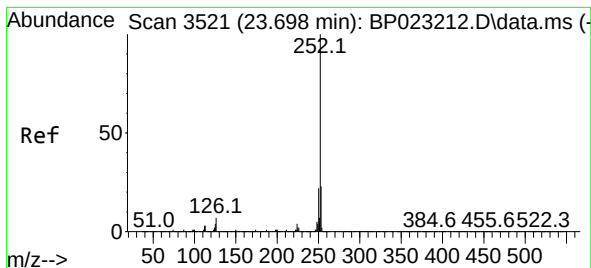
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 4.5 3.7 5.5





#91

Benzo(k)fluoranthene

Concen: 62.981 ng/ul

RT: 23.716 min Scan# 3

Delta R.T. 0.006 min

Lab File: BP023216.D

Acq: 19 Nov 2024 13:14

Instrument :

BNA_P

ClientSampleId :

A0AT1

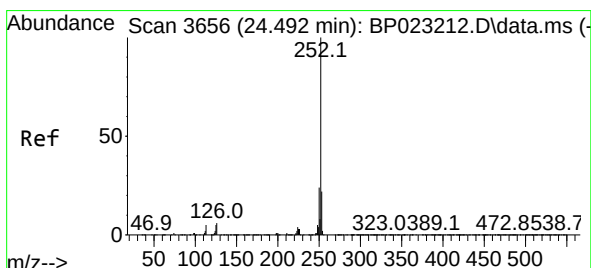
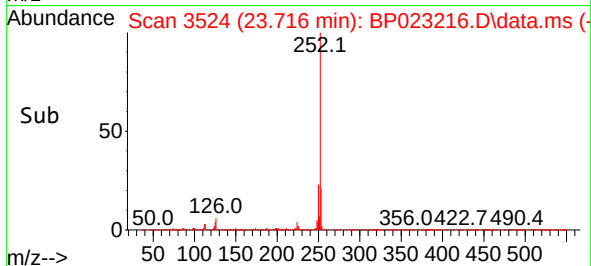
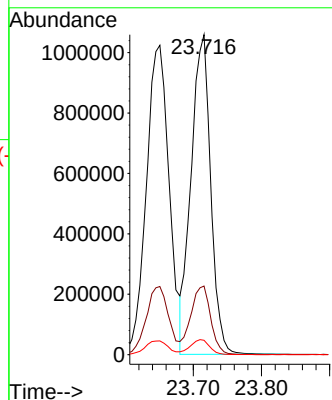
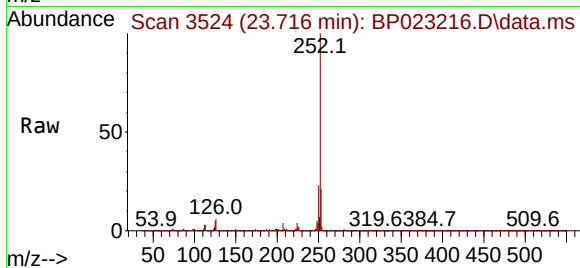
Tgt Ion:252 Resp: 2110824

Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.8

125 4.5 3.0 4.4#



#93

Benzo(a)pyrene

Concen: 42.036 ng/ul

RT: 24.498 min Scan# 3657

Delta R.T. -0.012 min

Lab File: BP023216.D

Acq: 19 Nov 2024 13:14

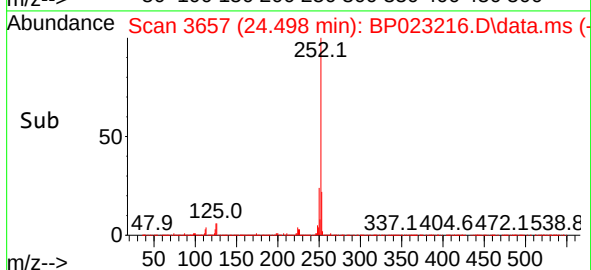
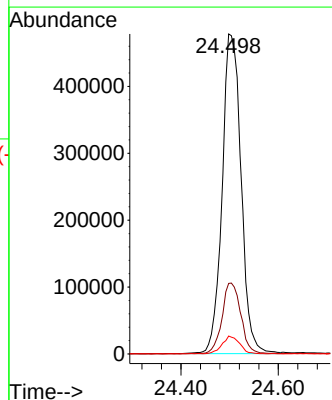
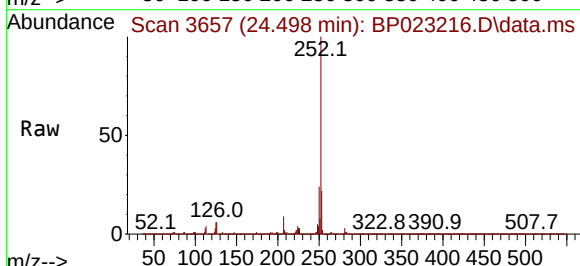
Tgt Ion:252 Resp: 1293722

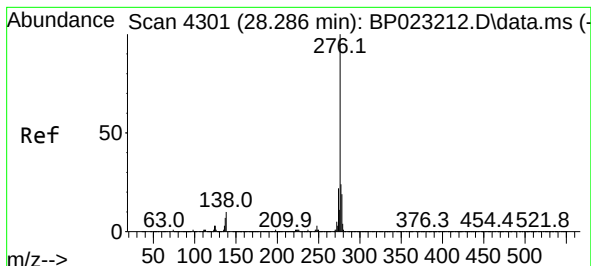
Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 5.6 4.2 6.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 43.335 ng/ul

RT: 28.304 min Scan# 4313

Delta R.T. 0.000 min

Lab File: BP023216.D

Acq: 19 Nov 2024 13:14

Instrument :

BNA_P

ClientSampleId :

A0AT1

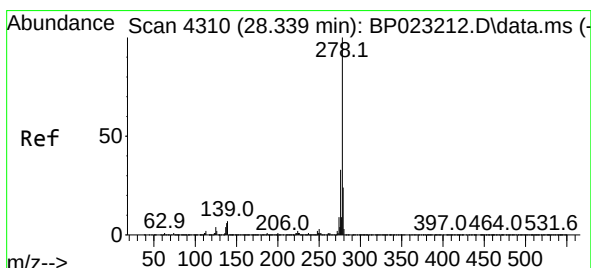
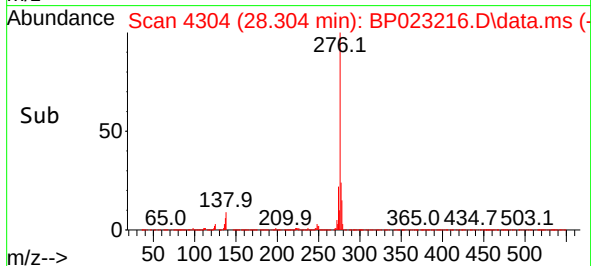
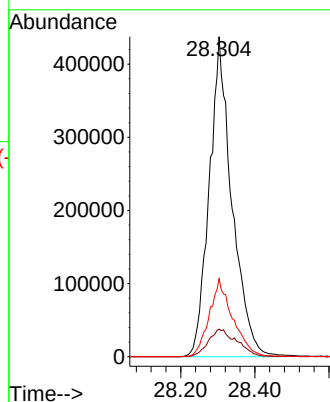
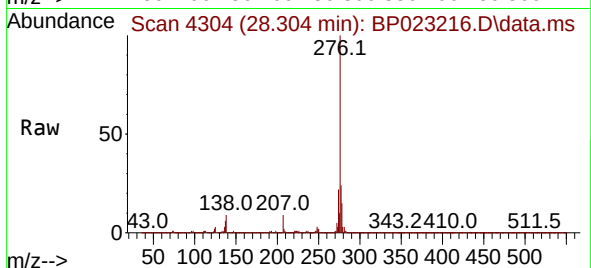
Tgt Ion:276 Resp: 1858148

Ion Ratio Lower Upper

276 100

138 8.6 7.0 10.4

277 24.3 19.8 29.8



#95

Dibenzo(a,h)anthracene

Concen: 35.904 ng/ul

RT: 28.356 min Scan# 4313

Delta R.T. 0.012 min

Lab File: BP023216.D

Acq: 19 Nov 2024 13:14

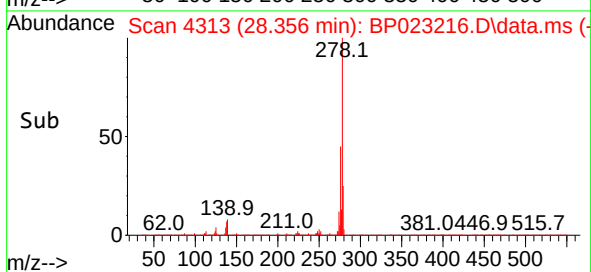
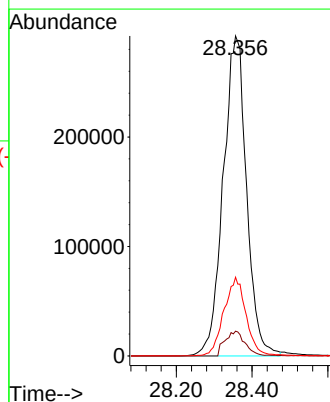
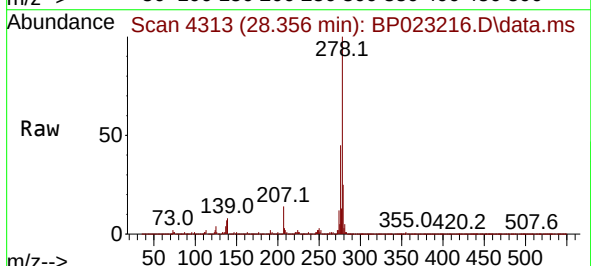
Tgt Ion:278 Resp: 1250026

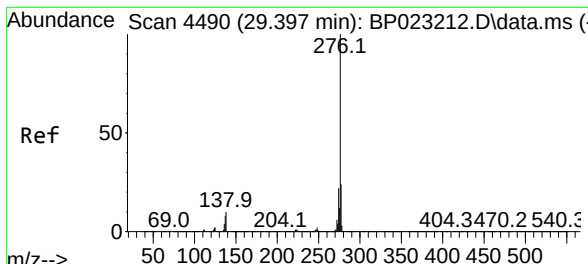
Ion Ratio Lower Upper

278 100

139 7.7 5.4 8.0

279 24.6 19.4 29.2





#96
 Benzo(g,h,i)perylene
 Concen: 65.639 ng/ul
 RT: 29.433 min Scan# 4496
 Delta R.T. 0.006 min
 Lab File: BP023216.D
 Acq: 19 Nov 2024 13:14

Instrument :
 BNA_P
 ClientSampleId :
 A0AT1

Tgt Ion: 276 Resp: 2137757

Ion	Ratio	Lower	Upper
276	100		
138	9.8	7.1	10.7
277	24.0	19.4	29.2

