

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110123\
 Data File : BP017877.D
 Acq On : 02 Nov 2023 09:32
 Operator : MA/JU
 Sample : 04922-03 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EOAQ9

Quant Time: Nov 02 23:33:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 19 01:32:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	188578	20.000	ng/ul	0.00
20) Naphthalene-d8	10.722	136	686321	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.598	164	384832	20.000	ng/ul	0.01
64) Phenanthrene-d10	17.369	188	1163	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.474	240	6576	20.000	ng/ul	#-0.04
88) Perylene-d12	24.133	264	967451	20.000	ng/ul	0.06
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	166	0.033	ng/uL	0.00
4) Pyridine-d5	3.693	84	387	0.029	ng/ul	0.00
7) Phenol-d5	7.063	99	37150	2.367	ng/ul	0.02
9) Bis-(2-Chloroethyl)eth...	7.240	67	29981	3.094	ng/ul	0.00
11) 2-Chlorophenol-d4	7.416	132	36888	2.882	ng/ul	0.00
15) 4-Methylphenol-d8	8.622	113	34666	2.813	ng/ul	0.01
21) Nitrobenzene-d5	9.098	128	18299	3.290	ng/ul	0.00
24) 2-Nitrophenol-d4	9.816	143	16246	2.644	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.351	165	33964	2.818	ng/ul	0.01
31) 4-Chloroaniline-d4	10.910	131	4227	0.268	ng/ul	0.02
46) Dimethylphthalate-d6	14.010	166	93957	2.908	ng/ul	0.00
49) Acenaphthylene-d8	14.292	160	137124	3.806	ng/ul	0.01
54) 4-Nitrophenol-d4	14.822	143	7658	1.664	ng/ul	0.00
60) Fluorene-d10	15.610	176	105485	3.777	ng/ul	0.02
65) 4,6-Dinitro-2-methylph...	15.745	200	29687	3875.304	ng/ul	0.01
73) Anthracene-d10	17.516	188	175501	2952.962	ng/ul	0.04
81) Pyrene-d10	19.686	212	28900	70.098	ng/ul	-0.05
92) Benzo(a)pyrene-d12	24.133	264	705720	13.097	ng/ul	0.23
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.069	77	20906	2.476	ng/ul#	1
19) Hexachloroethane	8.969	117	24046	4.071	ng/ul#	1
30) Naphthalene	10.775	128	107372	2.719	ng/ul	98
36) 2-Methylnaphthalene	12.392	142	65863	2.469	ng/ul	100
37) 1-Methylnaphthalene	12.616	142	46417	1.701	ng/ul#	94
45) 2-Nitroaniline	13.728	65	6257	1.074	ng/ul#	48
57) 2,4-Dinitrotoluene	14.992	165	66799	7.723	ng/ul#	38
61) Fluorene	15.669	166	37423	1.189	ng/ul#	25
62) 4-Chlorophenyl-phenyle...	15.657	204	28524	1.706	ng/ul#	1
63) 4-Nitroaniline	15.763	138	9483	1.886	ng/ul#	88
66) 4,6-Dinitro-2-methylph...	15.751	198	1061	129.310	ng/ul#	1
67) N-Nitrosodiphenylamine	15.863	169	163317	4635.273	ng/ul#	50
68) 4-Bromophenyl-phenylether	16.557	248	2173	159.689	ng/ul#	1
69) Hexachlorobenzene	16.627	284	43	2.753	ng/ul#	1
70) Atrazine	16.774	200	9360	722.805	ng/ul#	1
71) Pentachlorophenol	16.992	266	592	63.031	ng/ul#	1
72) Phenanthrene	17.463	178	583643	8566.826	ng/ul#	59
74) Anthracene	17.463	178	583643	8458.302	ng/ul#	57
75) 1,2,3,4-Tetrachloroben...	13.363	216	41	2.101	ng/uL#	52
76) Pentachlorobenzene	14.933	250	250	13.219	ng/uL	89
77) Carbazole	17.798	167	18201	312.098	ng/ul#	1
78) Di-n-butylphthalate	18.321	149	19263	284.512	ng/ul#	3
80) Fluoranthene	19.386	202	1248	2.635	ng/ul#	40
82) Pyrene	19.692	202	56316	112.217	ng/ul#	62

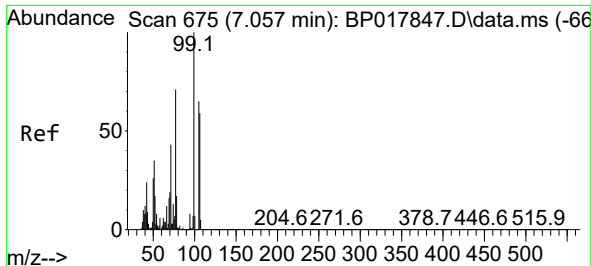
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Butylbenzylphthalate	20.615	149	6885	39.888	ng/ul#	7
84) 3,3'-Dichlorobenzidine	21.415	252	10438	70.256	ng/ul#	45
85) Benzo(a)anthracene	21.462	228	10392	20.787	ng/ul#	1
86) Bis(2-ethylhexyl)phtha...	21.327	149	10989	45.607	ng/ul#	4
87) Chrysene	21.527	228	38481	81.398	ng/ul#	1
90) Benzo(b)fluoranthene	23.327	252	75759	1.151	ng/ul#	1

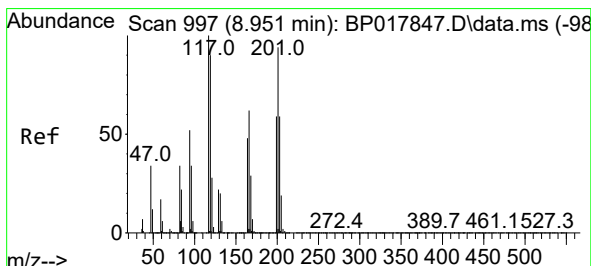
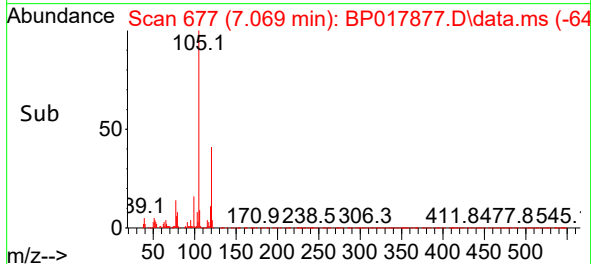
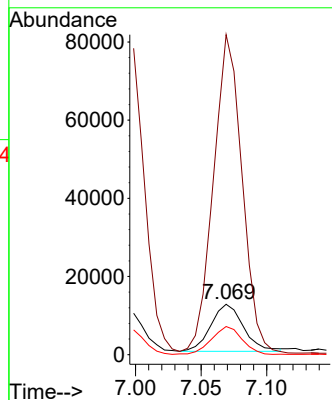
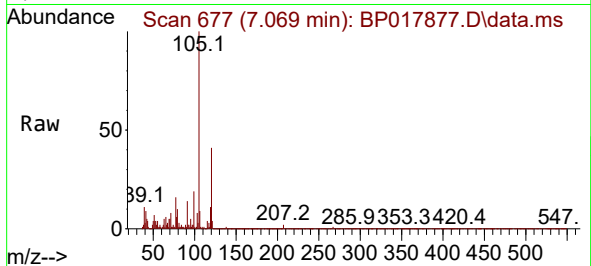
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6
Benzaldehyde
Concen: 2.476 ng/ul
RT: 7.069 min Scan# 61
Delta R.T. 0.017 min
Lab File: BP017877.D
Acq: 02 Nov 2023 09:32

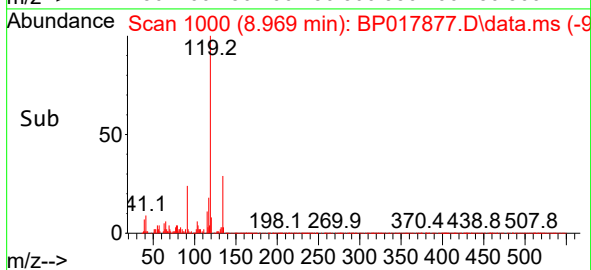
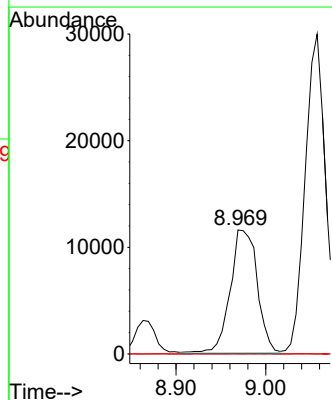
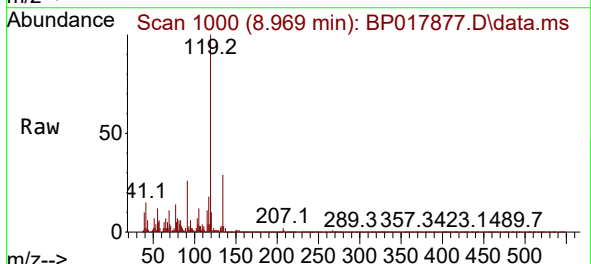
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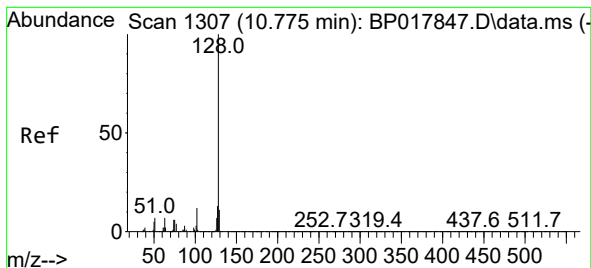
Tgt Ion: 77 Resp: 20906
Ion Ratio Lower Upper
77 100
105 635.5 75.4 113.2#
106 55.9 72.3 108.5#



#19
Hexachloroethane
Concen: 4.071 ng/ul
RT: 8.969 min Scan# 1000
Delta R.T. 0.017 min
Lab File: BP017877.D
Acq: 02 Nov 2023 09:32

Tgt Ion: 117 Resp: 24046
Ion Ratio Lower Upper
117 100
201 0.1 96.3 144.5#
199 0.1 57.7 86.5#

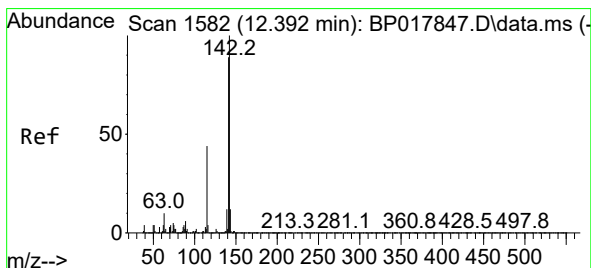
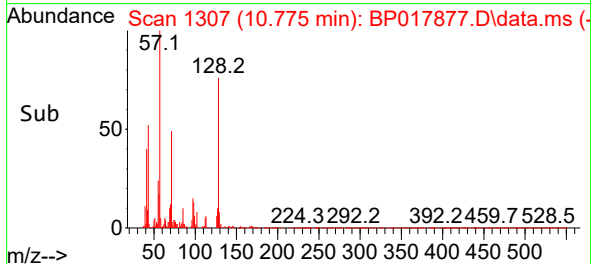
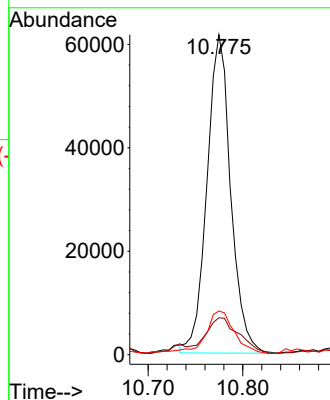
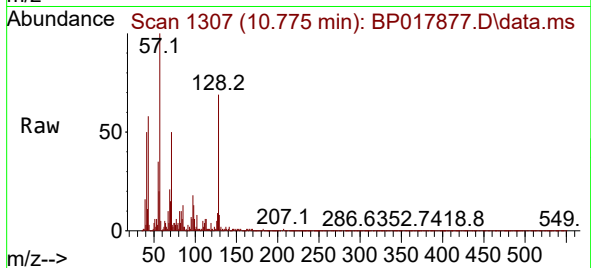




#30
Naphthalene
Concen: 2.719 ng/ul
RT: 10.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP017877.D
Acq: 02 Nov 2023 09:32

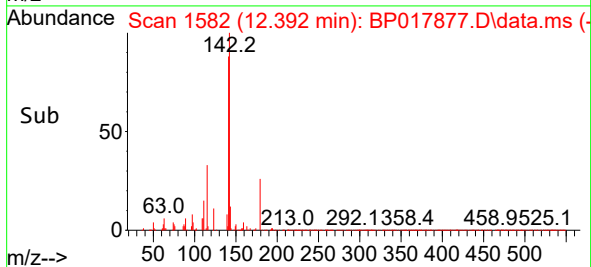
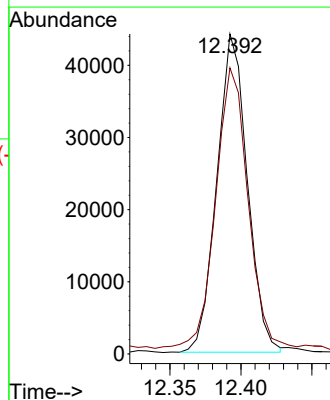
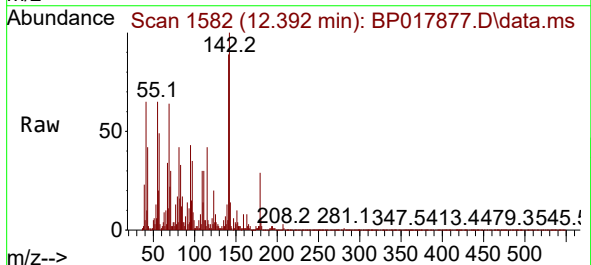
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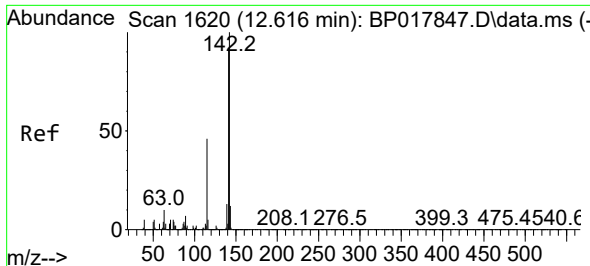
Tgt Ion:128 Resp: 107372
Ion Ratio Lower Upper
128 100
129 11.6 8.7 13.1
127 13.6 10.5 15.7



#36
2-Methylnaphthalene
Concen: 2.469 ng/ul
RT: 12.392 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BP017877.D
Acq: 02 Nov 2023 09:32

Tgt Ion:142 Resp: 65863
Ion Ratio Lower Upper
142 100
141 89.4 71.5 107.3

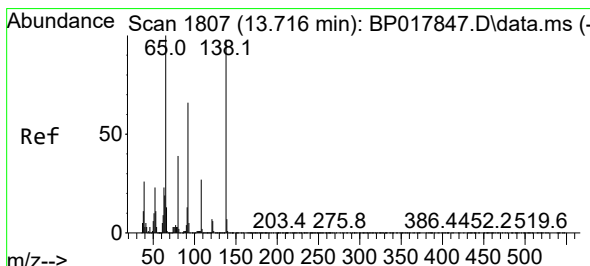
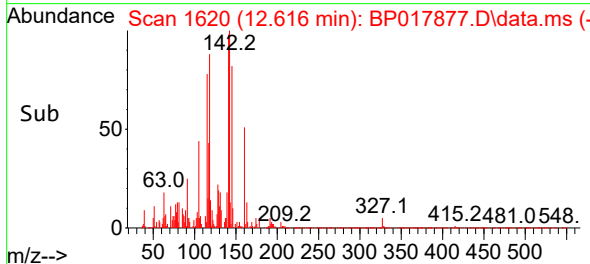
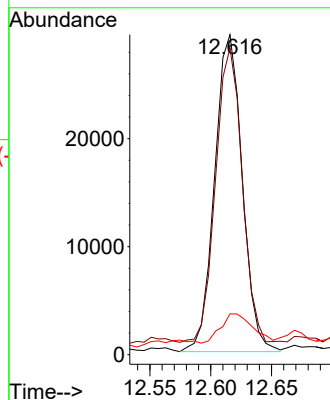
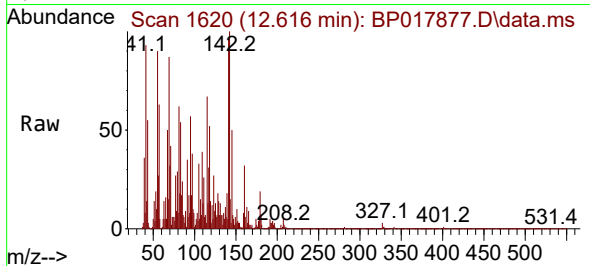




#37
1-Methylnaphthalene
Concen: 1.701 ng/ul
RT: 12.616 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP017877.D
Acq: 02 Nov 2023 09:32

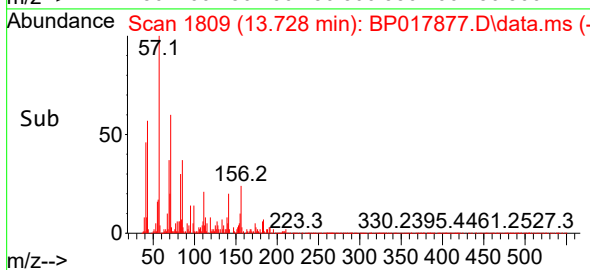
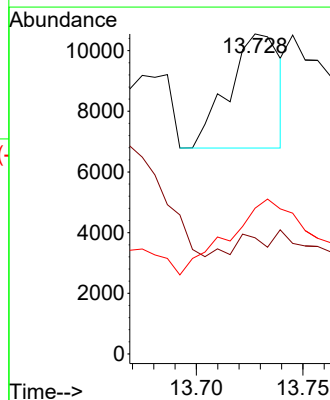
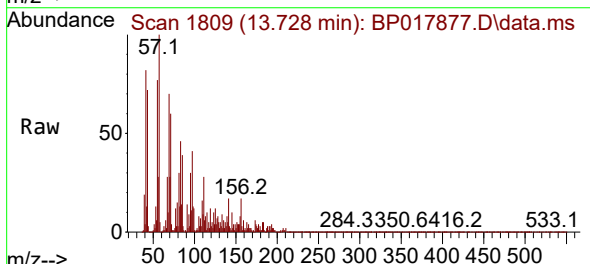
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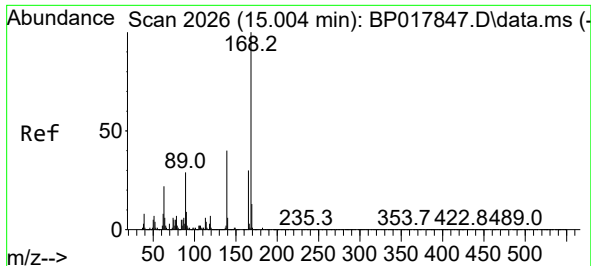
Tgt Ion:142 Resp: 46417
Ion Ratio Lower Upper
142 100
141 95.8 72.5 108.7
116 12.8 3.4 5.2#



#45
2-Nitroaniline
Concen: 1.074 ng/ul
RT: 13.728 min Scan# 1809
Delta R.T. 0.017 min
Lab File: BP017877.D
Acq: 02 Nov 2023 09:32

Tgt Ion: 65 Resp: 6257
Ion Ratio Lower Upper
65 100
92 36.3 56.2 84.4#
138 45.6 85.9 128.9#

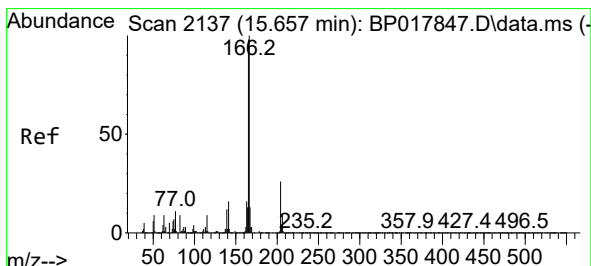
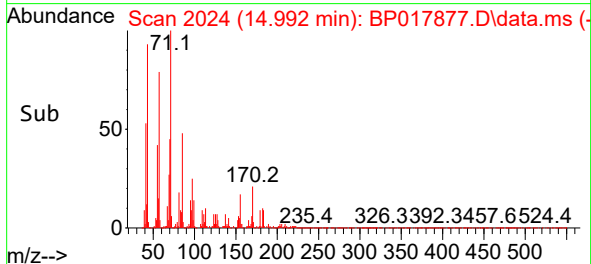
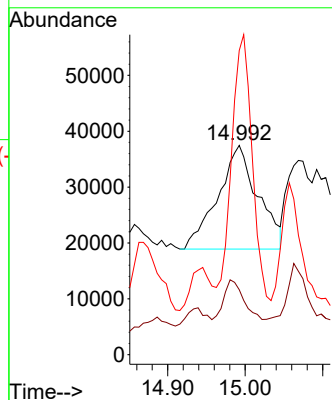
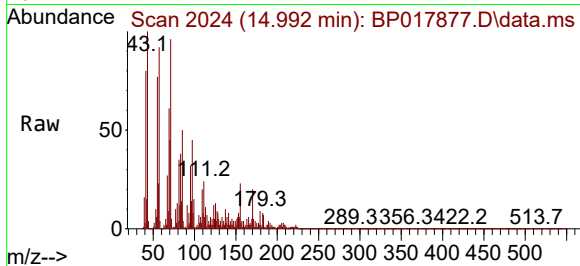




#57
2,4-Dinitrotoluene
Concen: 7.723 ng/ul
RT: 14.992 min Scan# 20
Delta R.T. -0.000 min
Lab File: BP017877.D
Acq: 02 Nov 2023 09:32

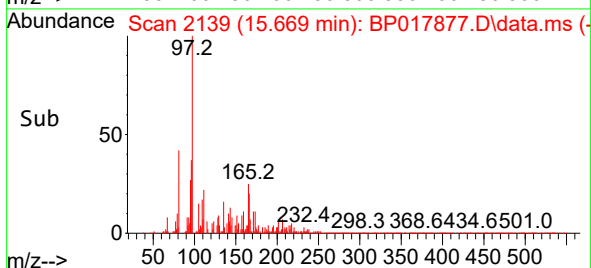
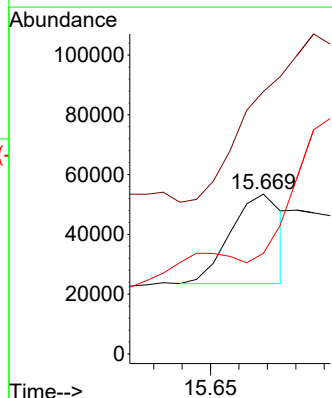
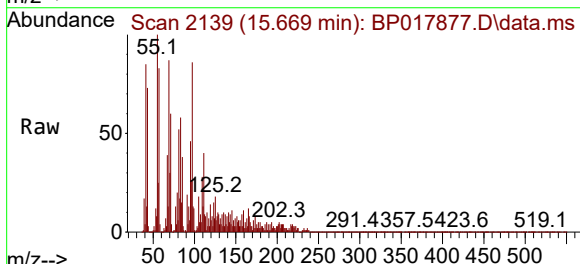
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ClientSampleId :
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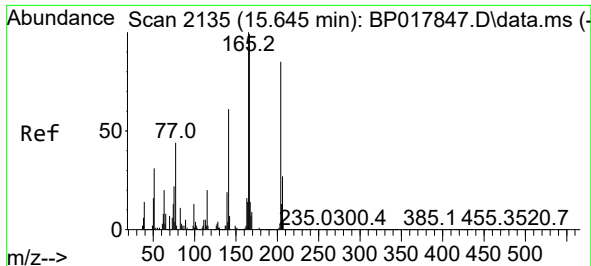
Tgt Ion:165 Resp: 66799
Ion Ratio Lower Upper
165 100
63 31.1 51.1 76.7#
182 145.3 2.7 4.1#



#61
Fluorene
Concen: 1.189 ng/ul
RT: 15.669 min Scan# 2139
Delta R.T. 0.023 min
Lab File: BP017877.D
Acq: 02 Nov 2023 09:32

Tgt Ion:166 Resp: 37423
Ion Ratio Lower Upper
166 100
165 164.2 77.4 116.0#
167 63.0 10.9 16.3#

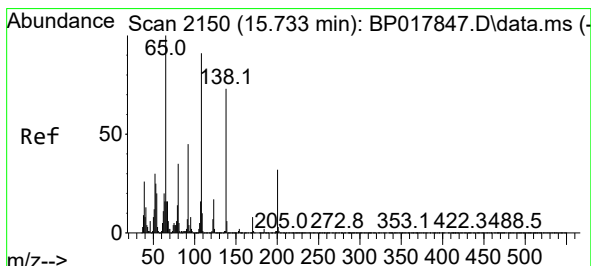
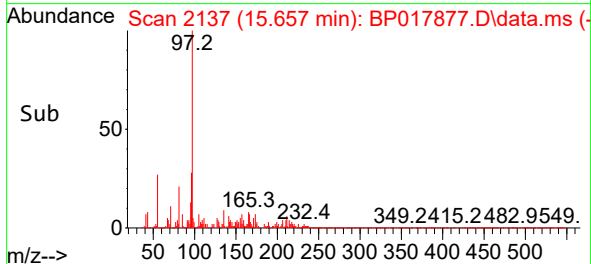
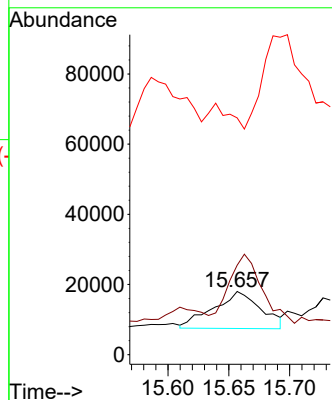
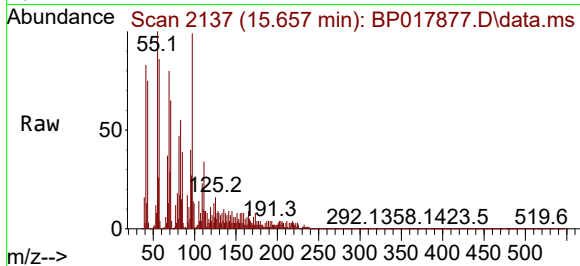




#62
4-Chlorophenyl-phenylether
Concen: 1.706 ng/ul
RT: 15.657 min Scan# 2137
Delta R.T. 0.017 min
Lab File: BP017877.D
Acq: 02 Nov 2023 09:32

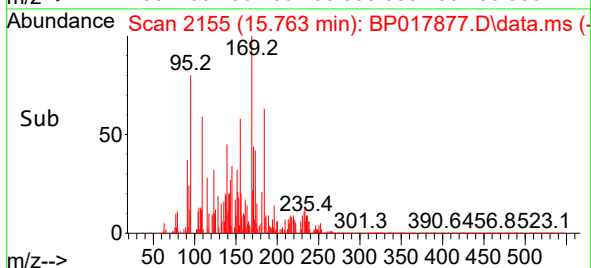
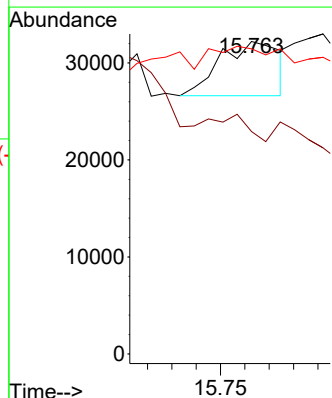
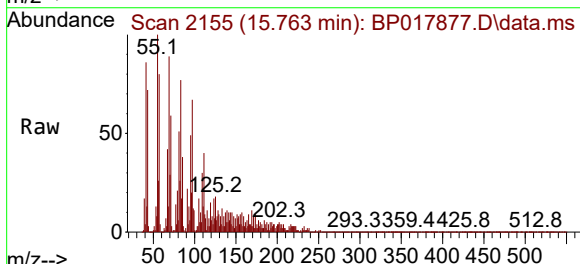
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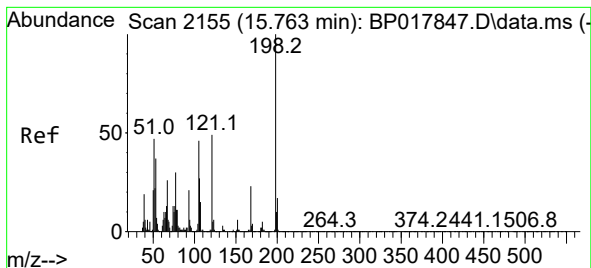
Tgt Ion:204 Resp: 28524
Ion Ratio Lower Upper
204 100
206 141.6 26.2 39.4#
141 374.9 42.9 64.3#



#63
4-Nitroaniline
Concen: 1.886 ng/ul
RT: 15.763 min Scan# 2155
Delta R.T. 0.041 min
Lab File: BP017877.D
Acq: 02 Nov 2023 09:32

Tgt Ion:138 Resp: 9483
Ion Ratio Lower Upper
138 100
92 71.2 43.0 64.6#
108 97.6 82.7 124.1

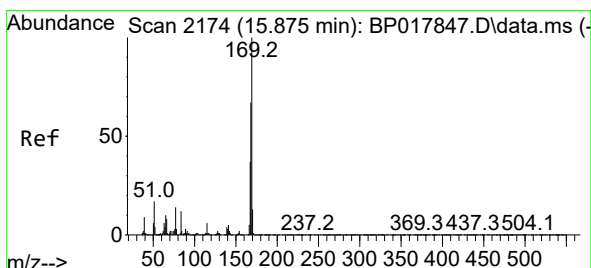
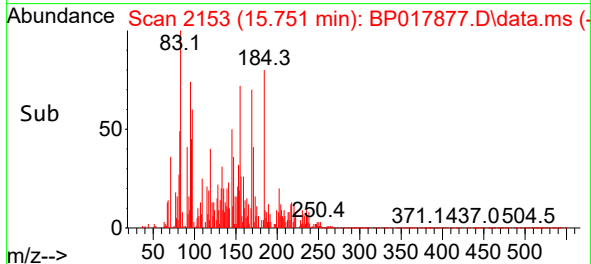
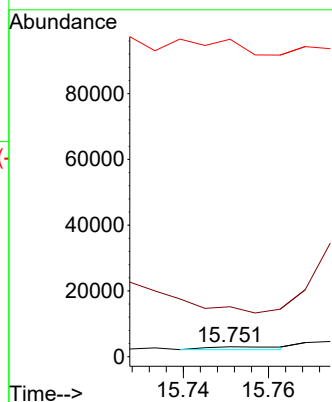
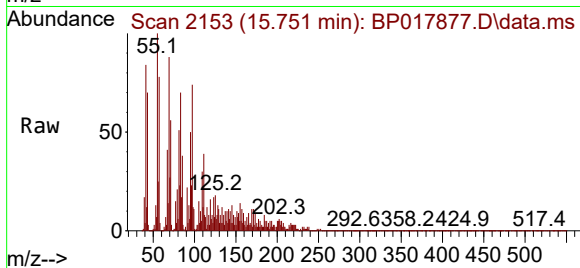




#66
4,6-Dinitro-2-methylphenol
Concen: 129.310 ng/ul
RT: 15.751 min Scan# 2153
Delta R.T. -0.000 min
Lab File: BP017877.D
Acq: 02 Nov 2023 09:32

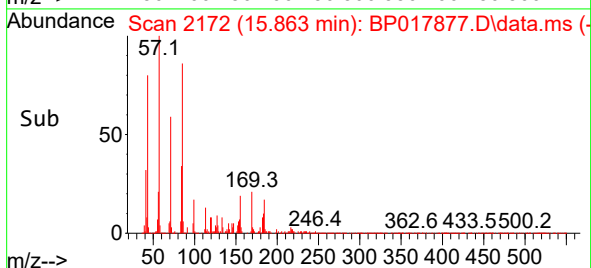
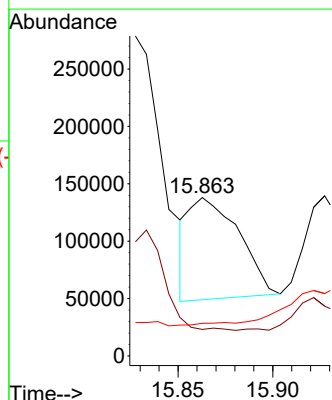
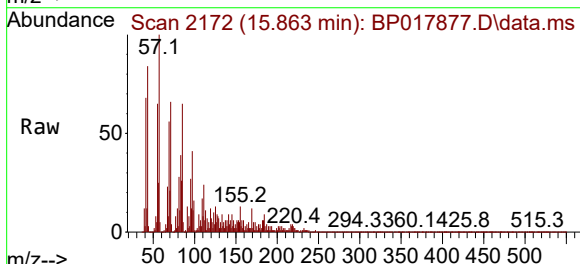
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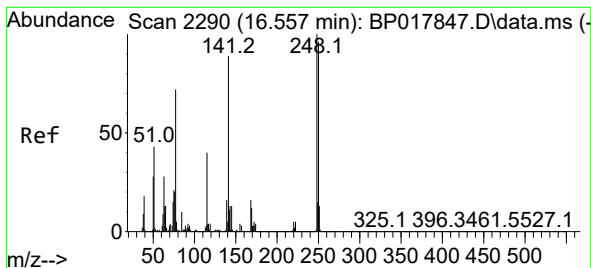
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Ion Ratio Lower Upper
198 100
182 500.7 3.9 5.9#
77 3188.6 19.8 29.8#



#67
N-Nitrosodiphenylamine
Concen: 4635.273 ng/ul
RT: 15.863 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BP017877.D
Acq: 02 Nov 2023 09:32

Tgt Ion:169 Resp: 163317
Ion Ratio Lower Upper
169 100
168 16.8 53.7 80.5#
167 20.6 29.4 44.0#

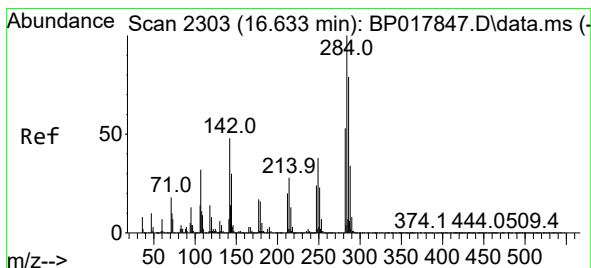
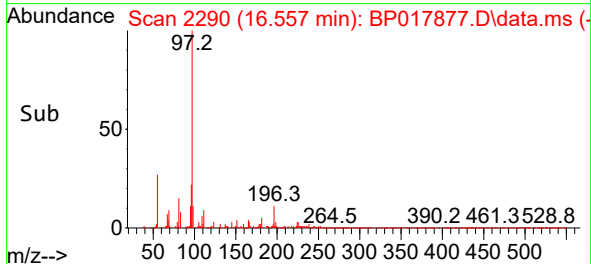
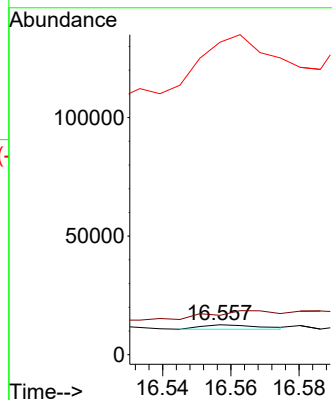
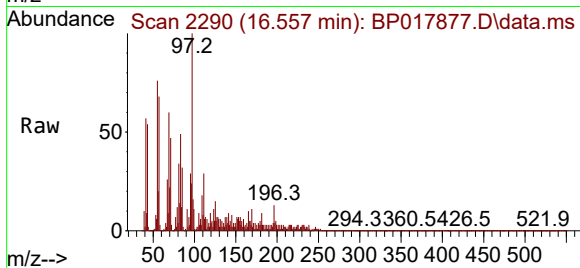




#68
4-Bromophenyl-phenylether
Concen: 159.689 ng/ul
RT: 16.557 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP017877.D
Acq: 02 Nov 2023 09:32

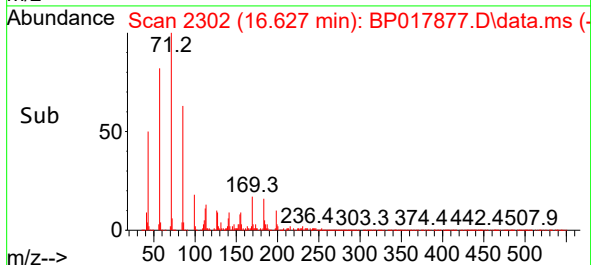
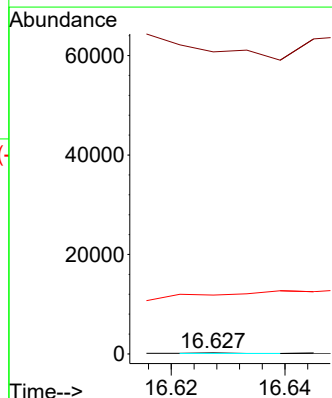
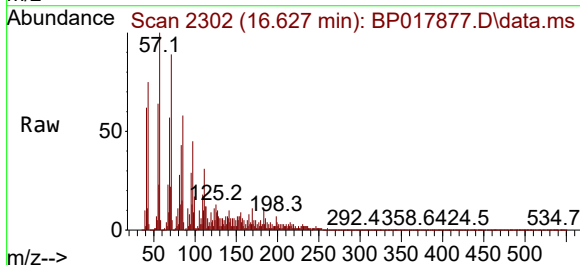
Instrument :
BNA_P
ClientSampleId :
EOAQ9

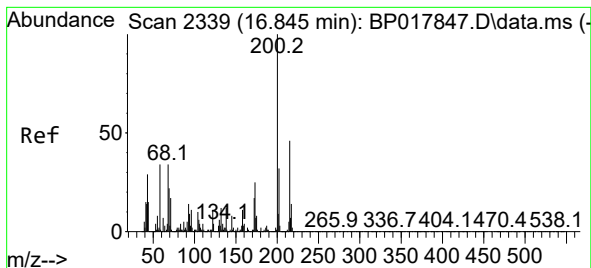
Tgt Ion:248 Resp: 2173
Ion Ratio Lower Upper
248 100
250 131.6 76.8 115.2#
141 1042.9 52.4 78.6#



#69
Hexachlorobenzene
Concen: 2.753 ng/ul
RT: 16.627 min Scan# 2302
Delta R.T. -0.000 min
Lab File: BP017877.D
Acq: 02 Nov 2023 09:32

Tgt Ion:284 Resp: 43
Ion Ratio Lower Upper
284 100
142 27733.3 27.6 41.4#
249 5409.1 24.5 36.7#





#70

Atrazine

Concen: 722.805 ng/ul

RT: 16.774 min Scan# 21

Delta R.T. -0.059 min

Lab File: BP017877.D

Acq: 02 Nov 2023 09:32

Instrument :

BNA_P

ClientSampleId :

EOAQ9

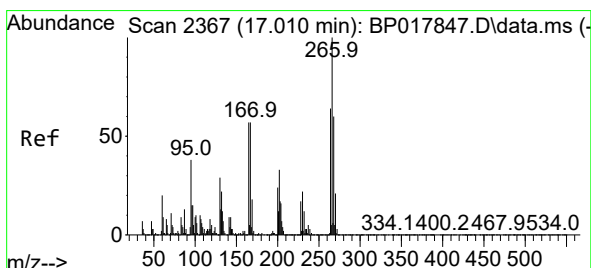
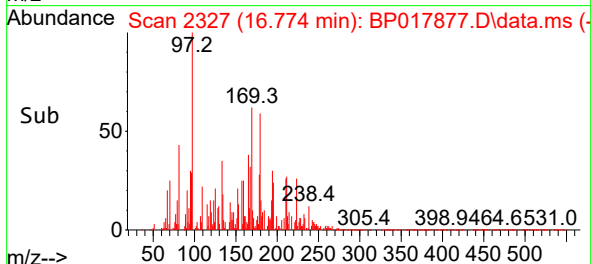
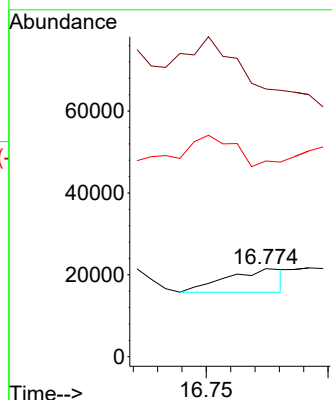
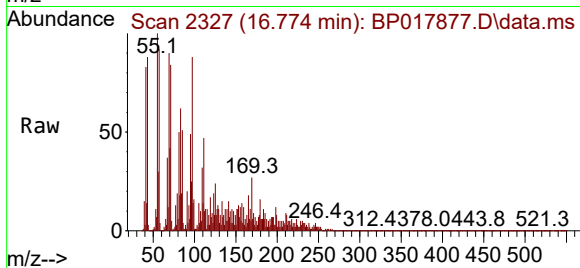
Tgt Ion:200 Resp: 9360

Ion Ratio Lower Upper

200 100

173 304.1 19.8 29.6#

215 222.3 38.5 57.7#



#71

Pentachlorophenol

Concen: 63.031 ng/ul

RT: 16.992 min Scan# 2364

Delta R.T. -0.012 min

Lab File: BP017877.D

Acq: 02 Nov 2023 09:32

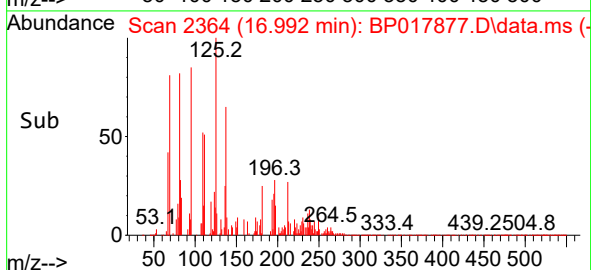
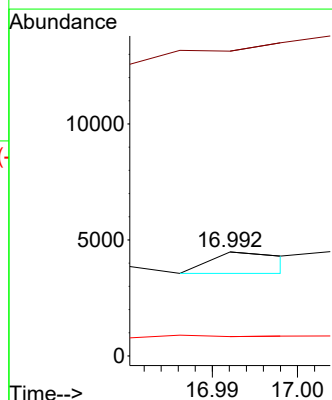
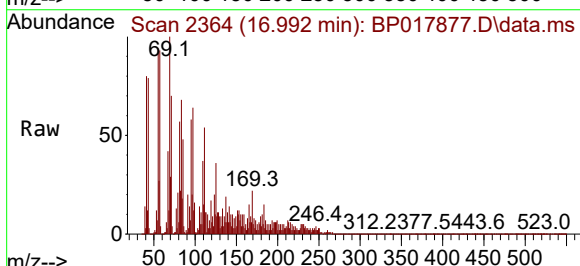
Tgt Ion:266 Resp: 592

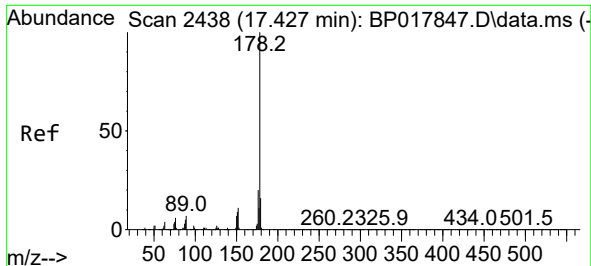
Ion Ratio Lower Upper

266 100

264 293.0 49.4 74.2#

268 18.5 50.3 75.5#

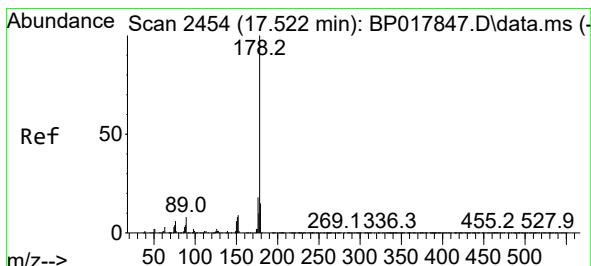
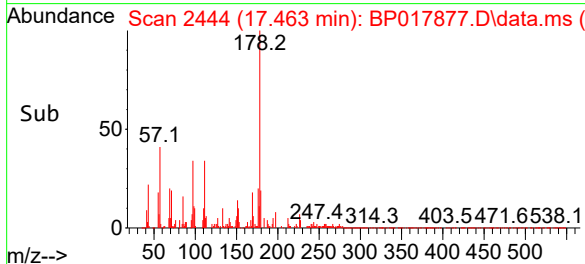
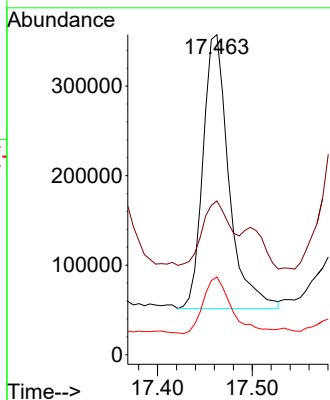
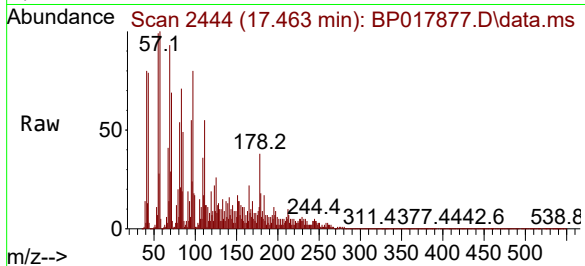




#72
Phenanthrene
Concen: 8566.826 ng/u1
RT: 17.463 min Scan# 2444
Delta R.T. 0.041 min
Lab File: BP017877.D
Acq: 02 Nov 2023 09:32

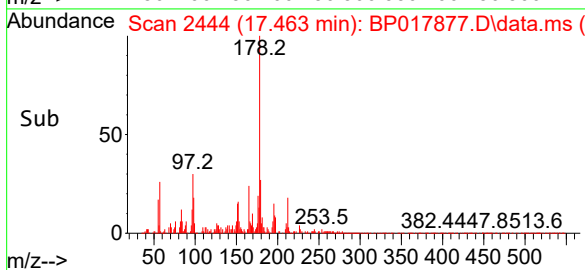
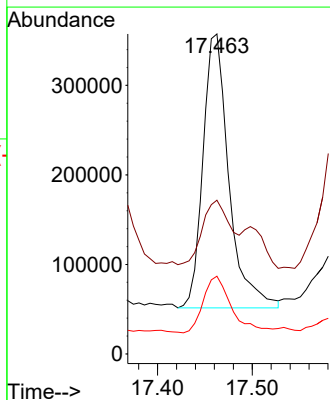
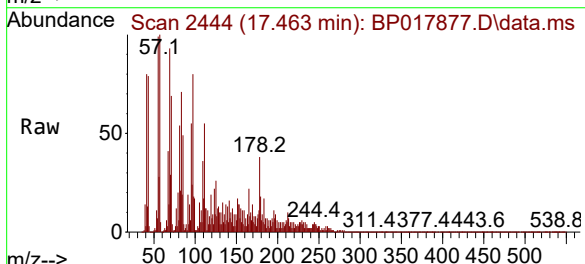
Instrument :
BNA_P
ClientSampleId :
EOAQ9

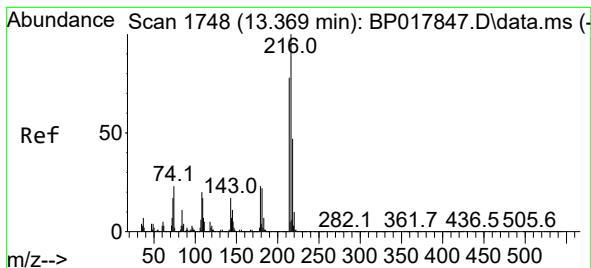
Tgt Ion:178 Resp: 583643
Ion Ratio Lower Upper
178 100
179 48.1 12.2 18.2#
176 24.3 15.3 22.9#



#74
Anthracene
Concen: 8458.302 ng/u1
RT: 17.463 min Scan# 2444
Delta R.T. -0.047 min
Lab File: BP017877.D
Acq: 02 Nov 2023 09:32

Tgt Ion:178 Resp: 583643
Ion Ratio Lower Upper
178 100
179 48.1 12.0 18.0#
176 24.3 14.8 22.2#





#75

1,2,3,4-Tetrachlorobenzene

Concen: 2.101 ng/uL

RT: 13.363 min Scan# 11

Delta R.T. -0.000 min

Lab File: BP017877.D

Acq: 02 Nov 2023 09:32

Instrument :

BNA_P

ClientSampleId :

EOAQ9

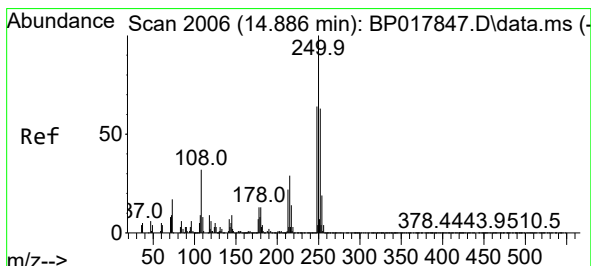
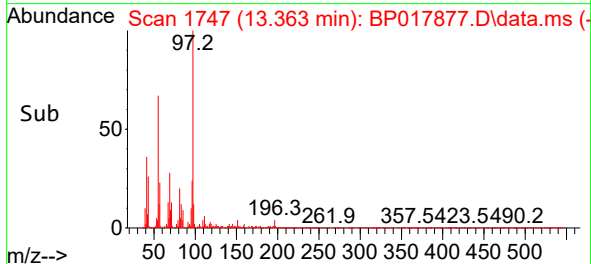
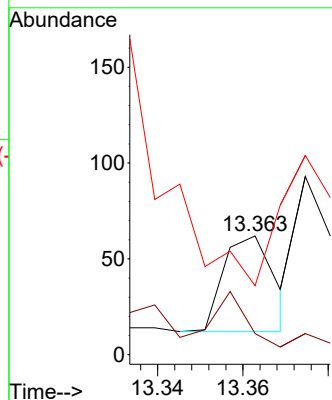
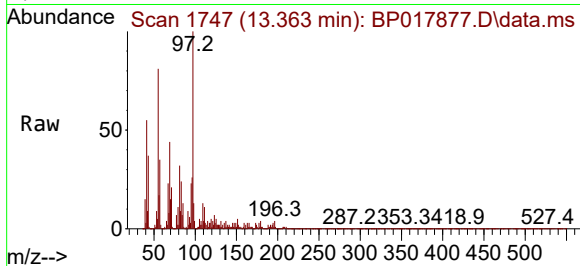
Tgt Ion:216 Resp: 41

Ion Ratio Lower Upper

216 100

214 17.7 60.7 91.1#

218 58.1 38.2 57.4#



#76

Pentachlorobenzene

Concen: 13.219 ng/uL

RT: 14.933 min Scan# 2014

Delta R.T. 0.053 min

Lab File: BP017877.D

Acq: 02 Nov 2023 09:32

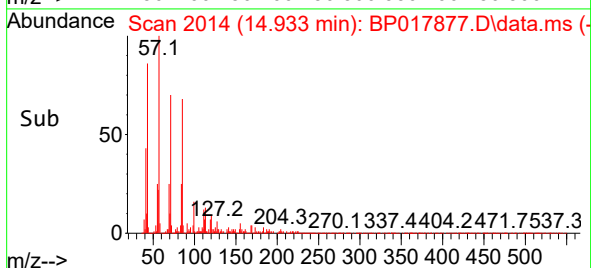
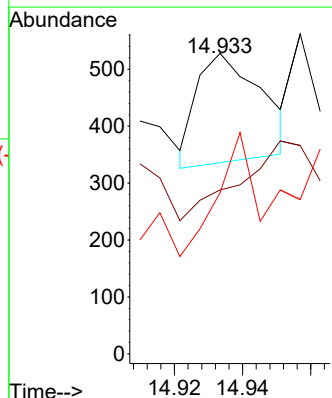
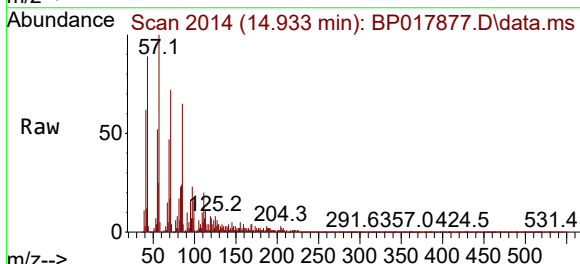
Tgt Ion:250 Resp: 250

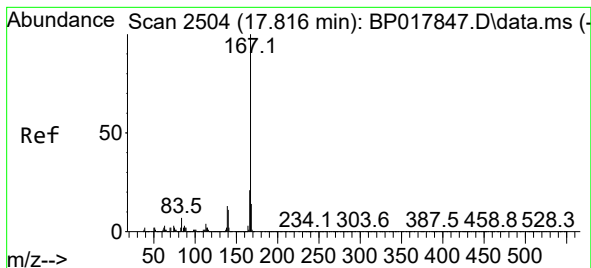
Ion Ratio Lower Upper

250 100

248 54.5 50.2 75.4

252 53.6 49.6 74.4





#77

Carbazole

Concen: 312.098 ng/ul

RT: 17.798 min Scan# 2501

Delta R.T. -0.012 min

Lab File: BP017877.D

Acq: 02 Nov 2023 09:32

Instrument :

BNA_P

ClientSampleId :

EOAQ9

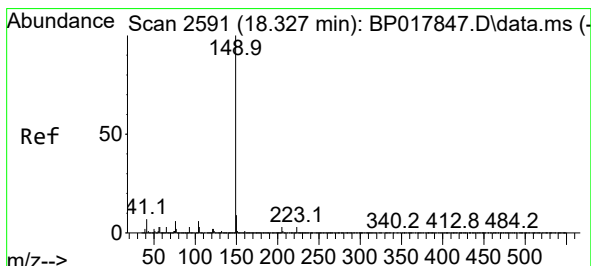
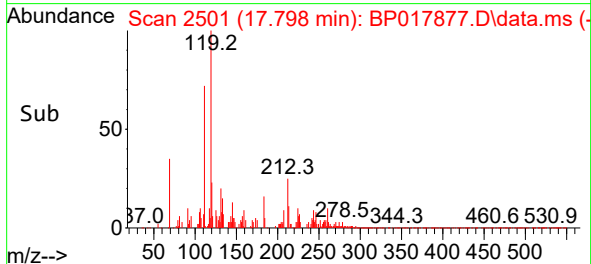
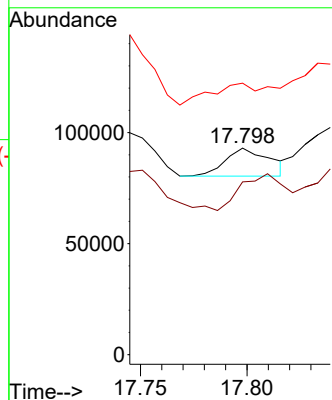
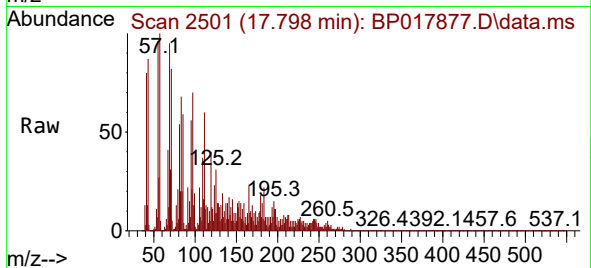
Tgt Ion:167 Resp: 18201

Ion Ratio Lower Upper

167 100

166 83.6 16.7 25.1#

139 131.4 9.8 14.6#



#78

Di-n-butylphthalate

Concen: 284.512 ng/ul

RT: 18.321 min Scan# 2590

Delta R.T. -0.000 min

Lab File: BP017877.D

Acq: 02 Nov 2023 09:32

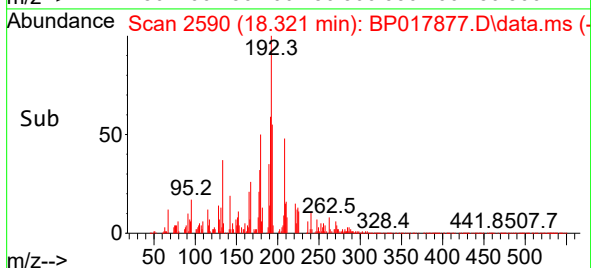
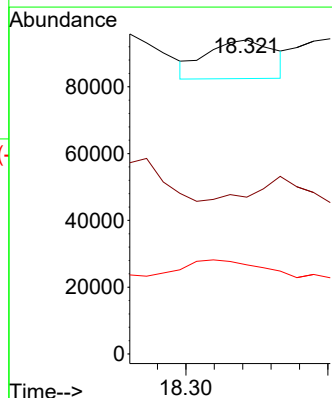
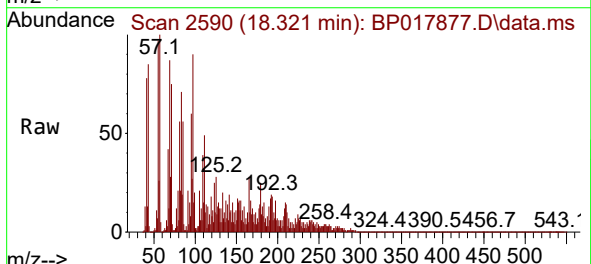
Tgt Ion:149 Resp: 19263

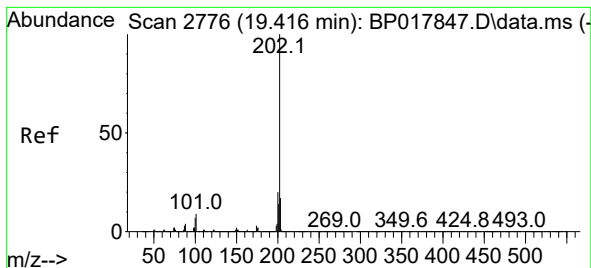
Ion Ratio Lower Upper

149 100

150 49.9 7.2 10.8#

104 28.4 4.3 6.5#





#80

Fluoranthene

Concen: 2.635 ng/ul

RT: 19.386 min Scan# 2776

Delta R.T. -0.018 min

Lab File: BP017877.D

Acq: 02 Nov 2023 09:32

Instrument :

BNA_P

ClientSampleId :

EOAQ9

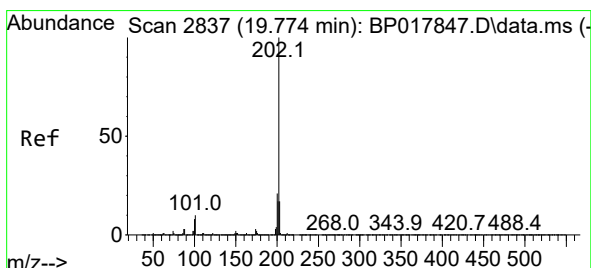
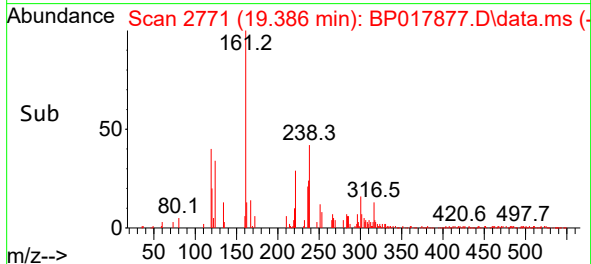
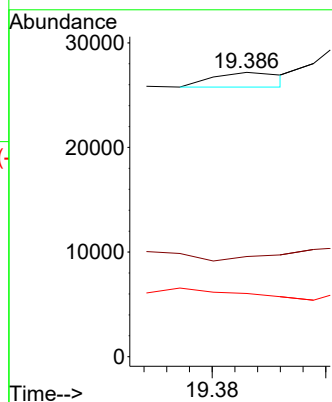
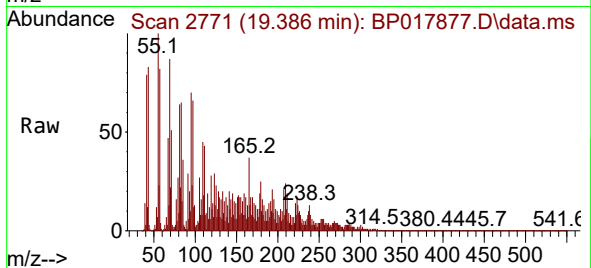
Tgt Ion:202 Resp: 1248

Ion Ratio Lower Upper

202 100

101 35.2 7.1 10.7#

100 22.2 5.7 8.5#



#82

Pyrene

Concen: 112.217 ng/ul

RT: 19.692 min Scan# 2823

Delta R.T. -0.071 min

Lab File: BP017877.D

Acq: 02 Nov 2023 09:32

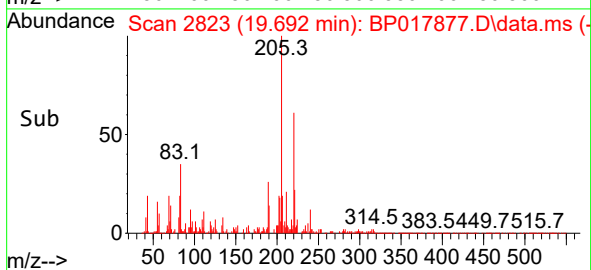
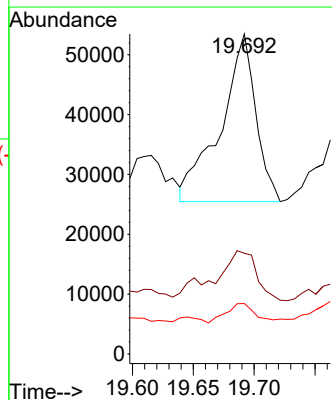
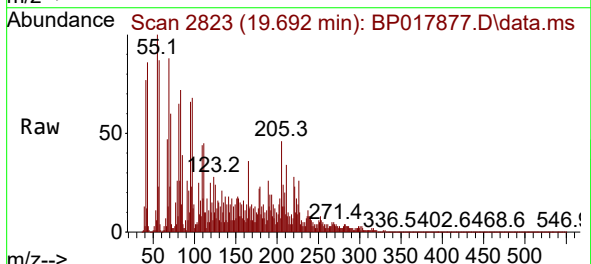
Tgt Ion:202 Resp: 56316

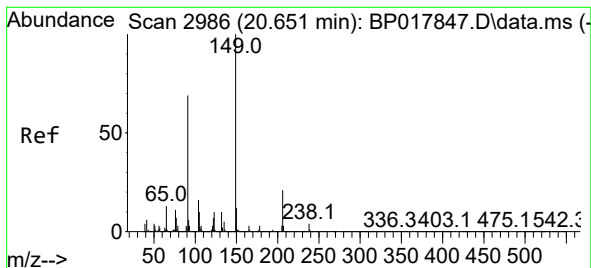
Ion Ratio Lower Upper

202 100

101 31.5 8.3 12.5#

100 15.8 7.4 11.0#





#83

Butylbenzylphthalate

Concen: 39.888 ng/ul

RT: 20.615 min Scan# 2986

Delta R.T. -0.018 min

Lab File: BP017877.D

Acq: 02 Nov 2023 09:32

Instrument :

BNA_P

ClientSampleId :

EOAQ9

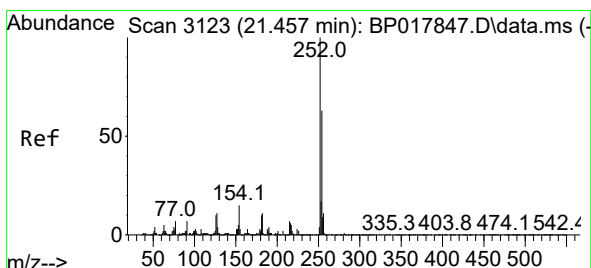
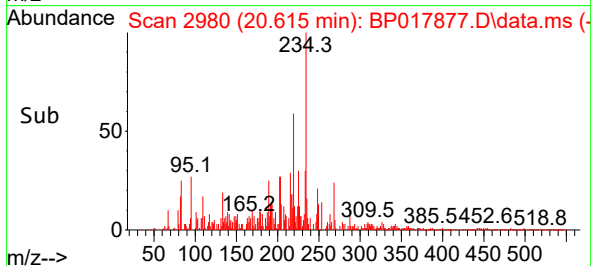
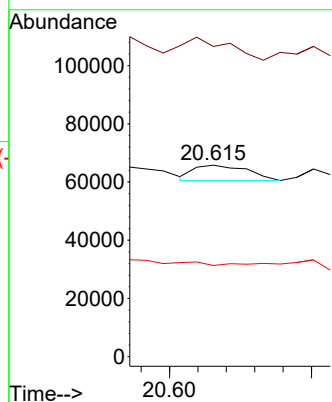
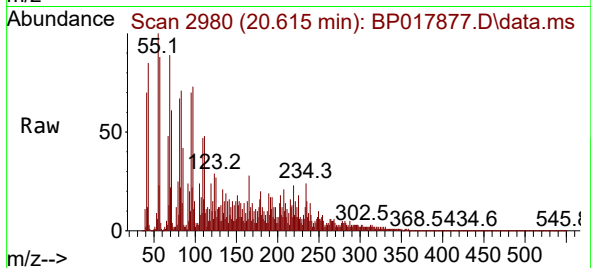
Tgt Ion:149 Resp: 6885

Ion Ratio Lower Upper

149 100

91 162.0 58.8 88.2#

206 47.6 17.5 26.3#



#84

3,3'-Dichlorobenzidine

Concen: 70.256 ng/ul

RT: 21.415 min Scan# 3116

Delta R.T. -0.030 min

Lab File: BP017877.D

Acq: 02 Nov 2023 09:32

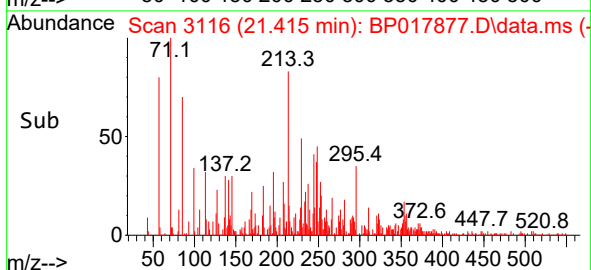
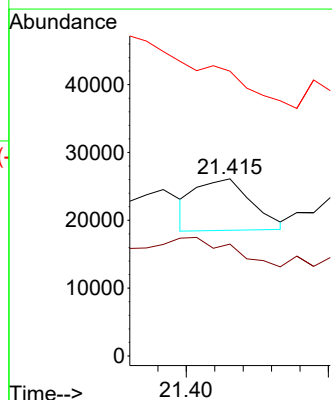
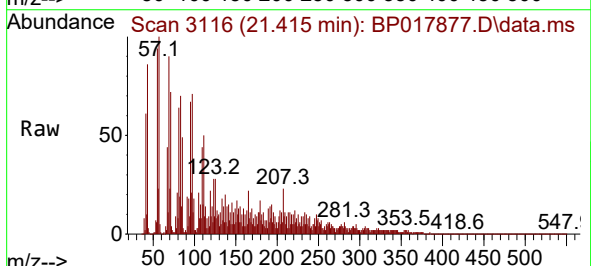
Tgt Ion:252 Resp: 10438

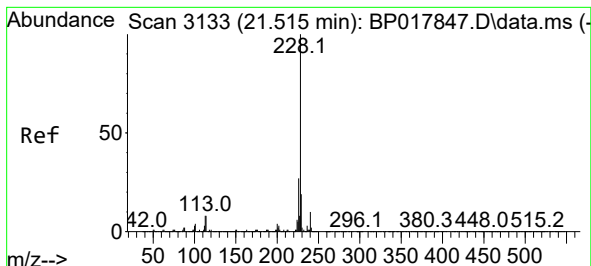
Ion Ratio Lower Upper

252 100

254 63.2 51.8 77.8

126 160.9 7.8 11.6#





#85

Benzo(a)anthracene

Concen: 20.787 ng/ul

RT: 21.462 min Scan# 3112

Delta R.T. -0.036 min

Lab File: BP017877.D

Acq: 02 Nov 2023 09:32

Instrument :

BNA_P

ClientSampleId :

EOAQ9

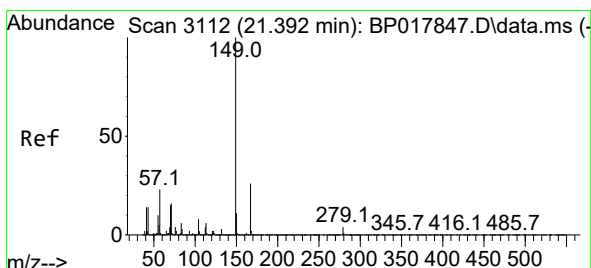
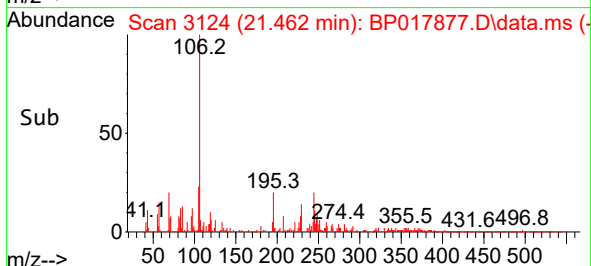
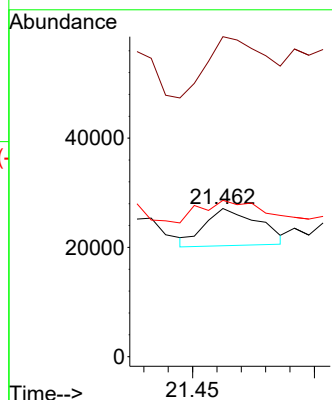
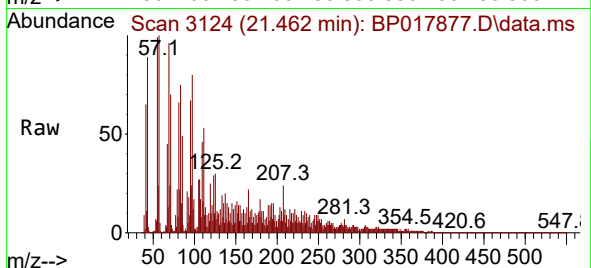
Tgt Ion:228 Resp: 10392

Ion Ratio Lower Upper

228 100

229 216.0 15.6 23.4#

226 105.5 21.1 31.7#



#86

Bis(2-ethylhexyl)phthalate

Concen: 45.607 ng/ul

RT: 21.327 min Scan# 3101

Delta R.T. -0.053 min

Lab File: BP017877.D

Acq: 02 Nov 2023 09:32

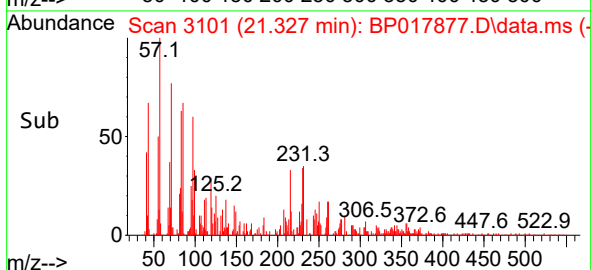
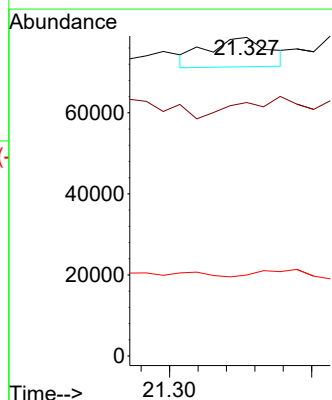
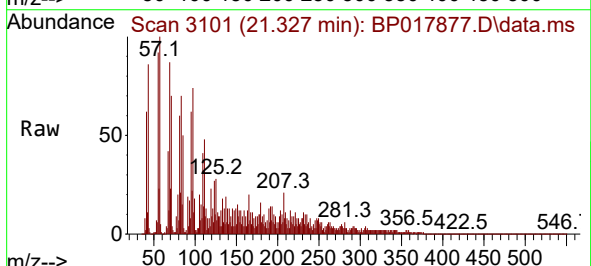
Tgt Ion:149 Resp: 10989

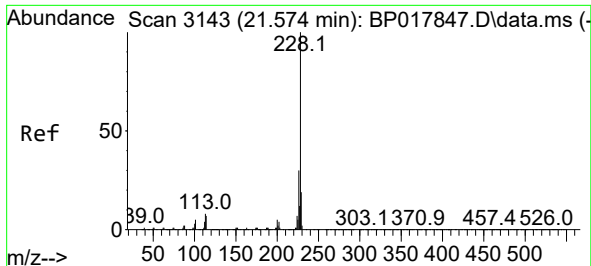
Ion Ratio Lower Upper

149 100

167 79.5 21.6 32.4#

279 25.4 3.6 5.4#





#87

Chrysene

Concen: 81.398 ng/ul

RT: 21.527 min Scan# 3143

Delta R.T. -0.030 min

Lab File: BP017877.D

Acq: 02 Nov 2023 09:32

Instrument :

BNA_P

ClientSampleId :

EOAQ9

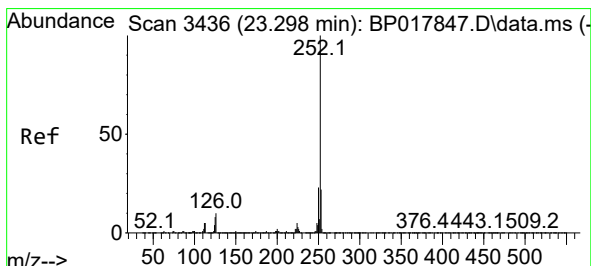
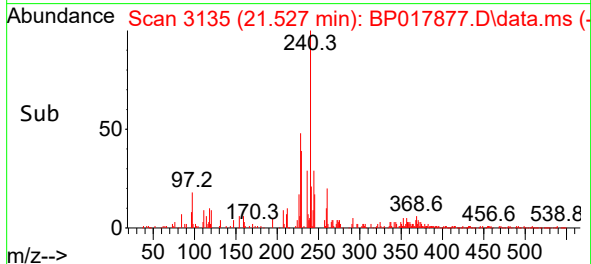
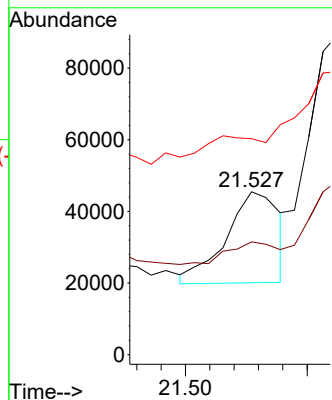
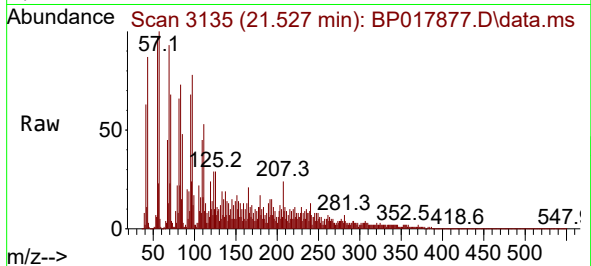
Tgt Ion:228 Resp: 38481

Ion Ratio Lower Upper

228 100

226 69.2 24.0 36.0#

229 132.5 15.5 23.3#



#90

Benzo(b)fluoranthene

Concen: 1.151 ng/ul

RT: 23.327 min Scan# 3441

Delta R.T. 0.053 min

Lab File: BP017877.D

Acq: 02 Nov 2023 09:32

Tgt Ion:252 Resp: 75759

Ion Ratio Lower Upper

252 100

253 84.2 17.4 26.0#

125 351.3 7.1 10.7#

