

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092023\
 Data File : BP017247.D
 Acq On : 20 Sep 2023 19:43
 Operator : MA/JU
 Sample : 04330-02RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EZYG3

Quant Time: Sep 20 22:38:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP092023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 20 14:34:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	269423	20.000	ng/ul	0.00
20) Naphthalene-d8	10.763	136	1042045	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.598	164	598594	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.375	188	1266613	20.000	ng/ul	0.00
79) Chrysene-d12	21.498	240	822980	20.000	ng/ul	# 0.01
88) Perylene-d12	24.069	264	1413554	20.000	ng/ul	0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.305	96	16480	2.512	ng/uL	0.00
4) Pyridine-d5	3.758	84	15534	0.847	ng/ul	0.02
7) Phenol-d5	7.093	99	297765	13.457	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.281	67	255630	19.143	ng/ul	0.00
11) 2-Chlorophenol-d4	7.458	132	264964	15.098	ng/ul	0.00
15) 4-Methylphenol-d8	8.652	113	95491	5.551	ng/ul	0.00
21) Nitrobenzene-d5	9.140	128	154136	20.460	ng/ul	0.00
24) 2-Nitrophenol-d4	9.852	143	153520	18.768	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.375	165	212342	13.740	ng/ul	0.00
31) 4-Chloroaniline-d4	10.928	131	74452	3.326	ng/ul	0.00
46) Dimethylphthalate-d6	14.016	166	868609	20.256	ng/ul	0.00
49) Acenaphthylene-d8	14.298	160	943331	19.127	ng/ul	0.00
54) 4-Nitrophenol-d4	14.828	143	21899	2.931	ng/ul	0.00
60) Fluorene-d10	15.598	176	795159	21.539	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.728	200	30299	4.244	ng/ul	0.00
73) Anthracene-d10	17.475	188	1169615	20.821	ng/ul	0.00
81) Pyrene-d10	19.722	212	1161775	26.105	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.898	264	1374863	20.201	ng/ul	0.05
Target Compounds						
						Qvalue
6) Benzaldehyde	7.099	77	29806	2.640	ng/ul	99
8) Phenol	7.122	94	45726	2.055	ng/ul	95
16) Acetophenone	8.787	105	451472	16.983	ng/ul	99
19) Hexachloroethane	9.022	117	12684	1.714	ng/ul#	7
26) 2,4-Dimethylphenol	9.905	107	25430	1.440	ng/ul#	28
30) Naphthalene	10.816	128	712919	13.139	ng/ul	100
36) 2-Methylnaphthalene	12.422	142	235671	6.655	ng/ul	100
37) 1-Methylnaphthalene	12.640	142	176585	4.878	ng/ul#	99
43) 1,1'-Biphenyl	13.428	154	75000	1.651	ng/ul	97
50) Acenaphthylene	14.328	152	135928	2.357	ng/ul#	84
52) Acenaphthene	14.663	153	690880	18.139	ng/ul	99
56) Dibenzofuran	14.998	168	411775	7.895	ng/ul	100
57) 2,4-Dinitrotoluene	14.981	165	14434	1.306	ng/ul#	76
61) Fluorene	15.651	166	638304	15.062	ng/ul	99
72) Phenanthrene	17.416	178	3087979	46.547	ng/ul	99
74) Anthracene	17.416	178	3087979	45.928	ng/ul	98
77) Carbazole	17.792	167	110423	1.846	ng/ul#	62
80) Fluoranthene	19.392	202	2860296	55.108	ng/ul#	92
82) Pyrene	19.751	202	2707117	49.064	ng/ul#	90
83) Butylbenzylphthalate	20.616	149	21338	1.091	ng/ul#	41
85) Benzo(a)anthracene	21.480	228	538701	9.699	ng/ul#	87
86) Bis(2-ethylhexyl)phtha...	21.357	149	129258	4.575	ng/ul#	53
87) Chrysene	21.539	228	537944	10.291	ng/ul#	84
90) Benzo(b)fluoranthene	23.269	252	861162	10.333	ng/ul#	26

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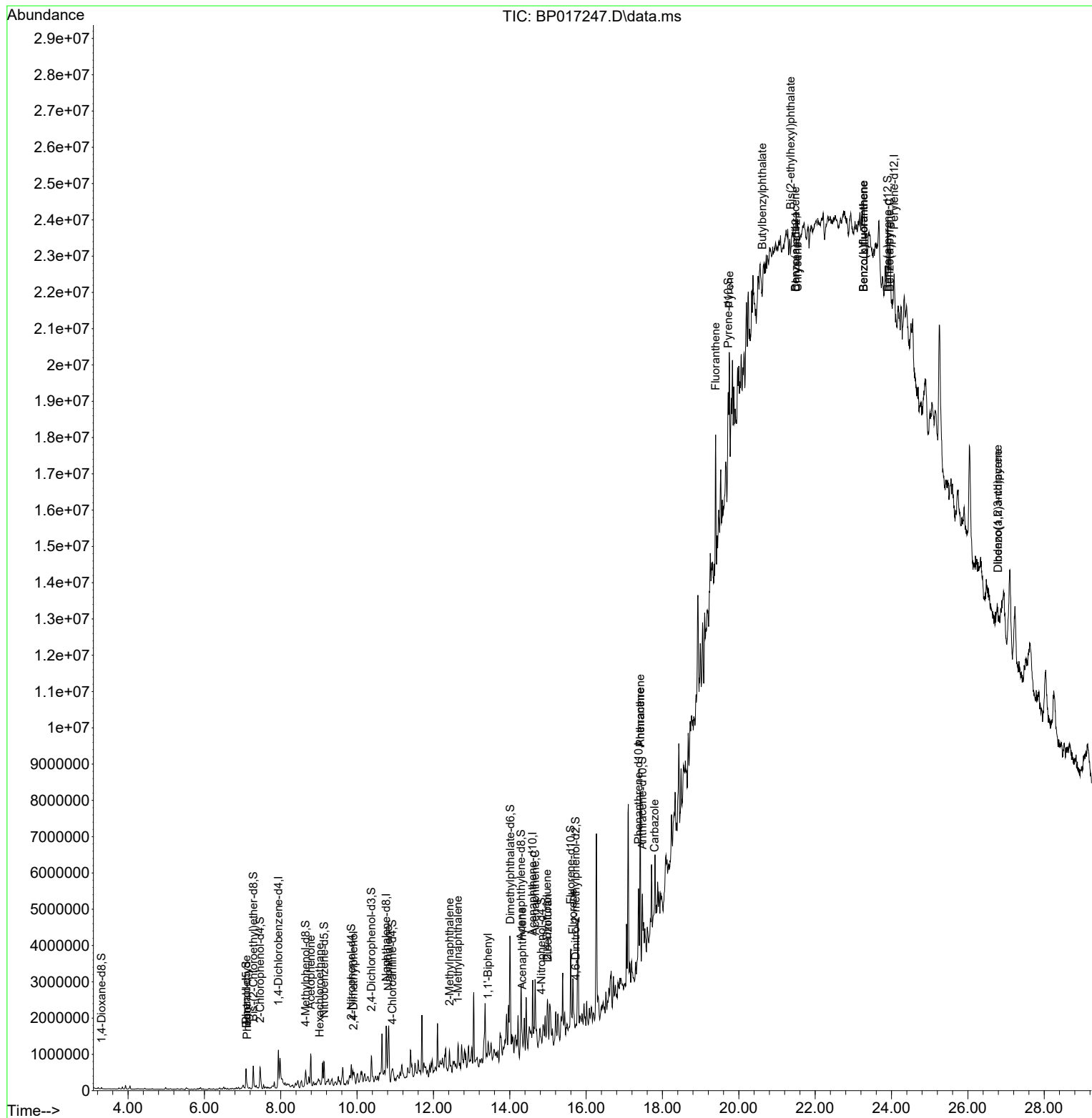
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(k)fluoranthene	23.269	252	861162	10.242	ng/ul#	29
93) Benzo(a)pyrene	23.951	252	597145	7.489	ng/ul#	20
94) Indeno(1,2,3-cd)pyrene	26.786	276	545066	5.453	ng/ul#	82
95) Dibenzo(a,h)anthracene	26.792	278	132235	1.588	ng/ul#	1

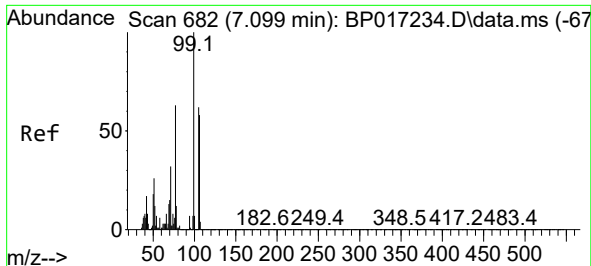
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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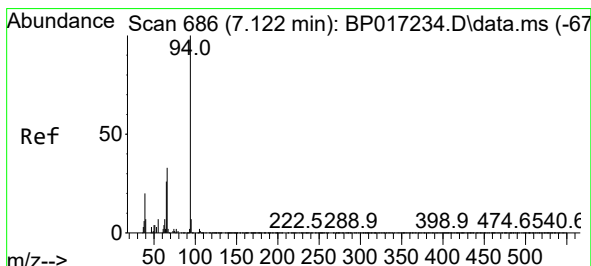
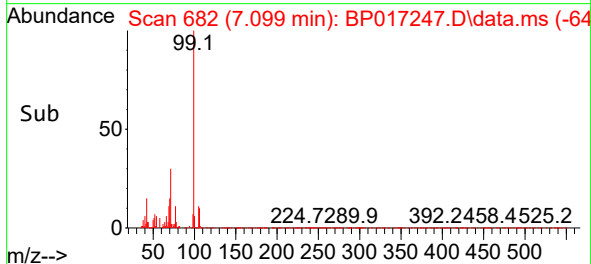
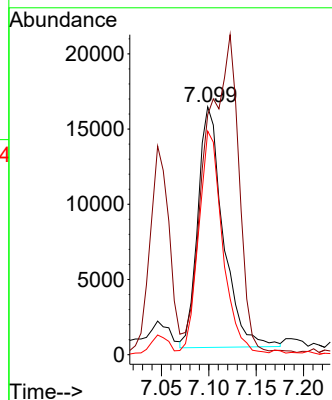
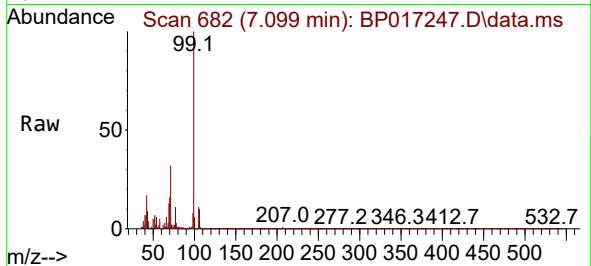




#6
Benzaldehyde
Concen: 2.640 ng/ul
RT: 7.099 min Scan# 682
Delta R.T. 0.000 min
Lab File: BP017247.D
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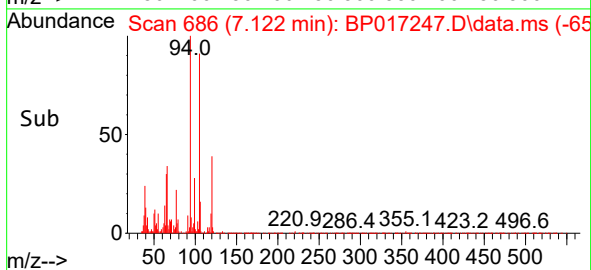
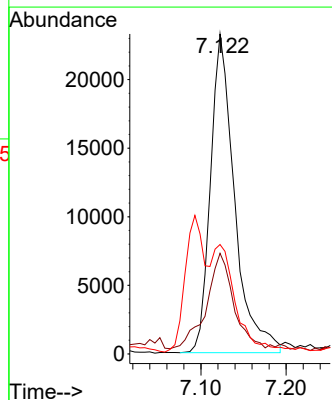
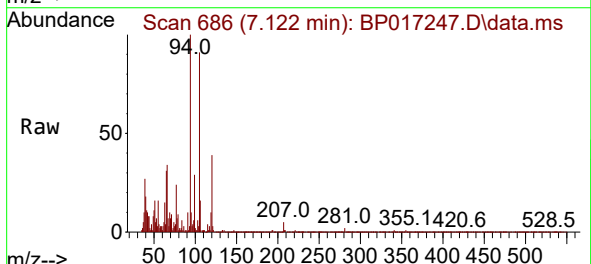
Instrument :
BNA_P
ClientSampleId :
EZYG3

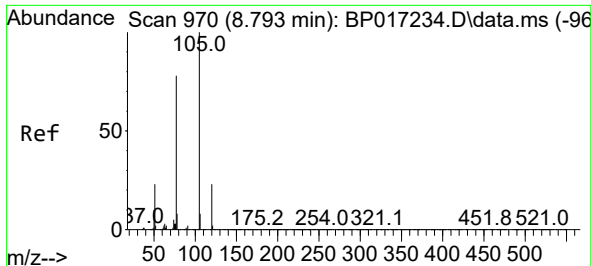
Tgt Ion: 77 Resp: 29806
Ion Ratio Lower Upper
77 100
105 96.8 78.0 117.0
106 90.1 73.2 109.8



#8
Phenol
Concen: 2.055 ng/ul
RT: 7.122 min Scan# 686
Delta R.T. 0.000 min
Lab File: BP017247.D
Acq: 20 Sep 2023 19:43

Tgt Ion: 94 Resp: 45726
Ion Ratio Lower Upper
94 100
65 31.4 21.4 32.2
66 34.2 28.2 42.2

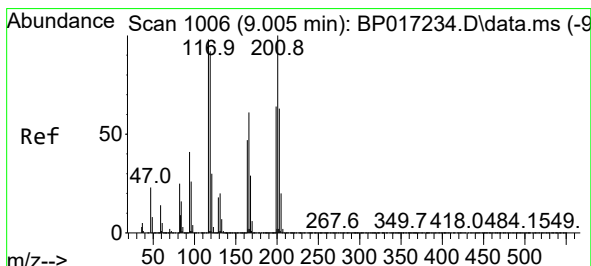
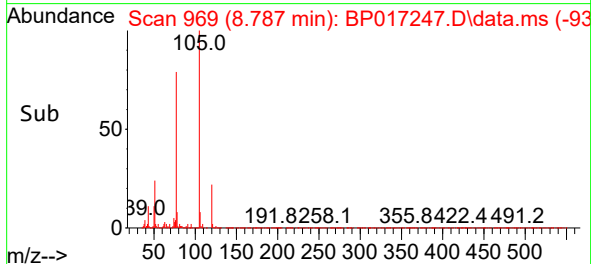
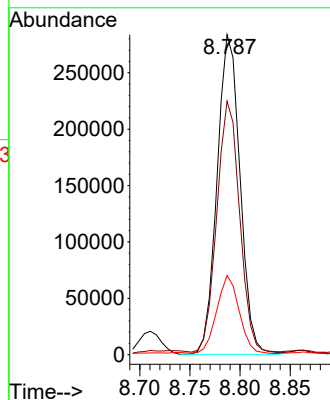
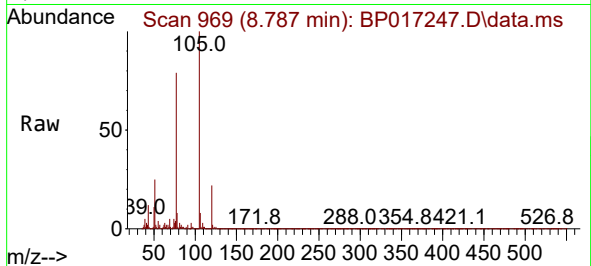




#16
Acetophenone
Concen: 16.983 ng/ul
RT: 8.787 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP017247.D
Acq: 20 Sep 2023 19:43

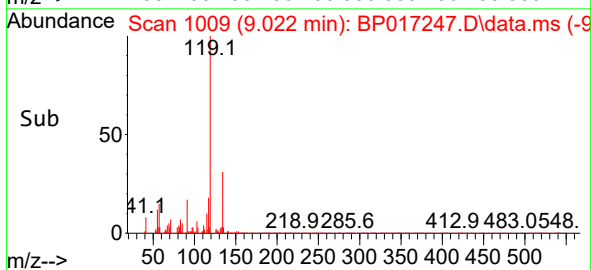
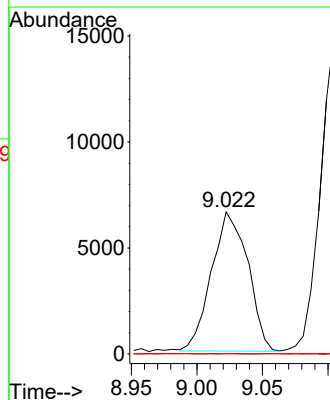
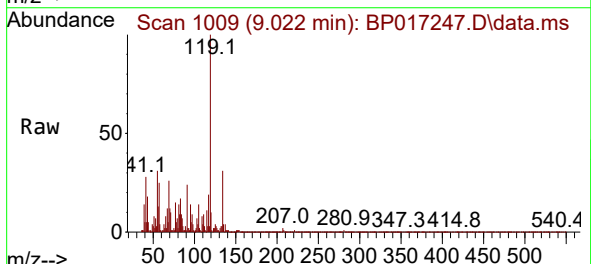
Instrument :
BNA_P
ClientSampleId :
EZYG3

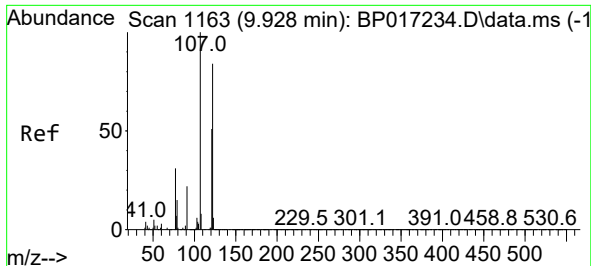
Tgt Ion:105 Resp: 451472
Ion Ratio Lower Upper
105 100
77 79.2 63.6 95.4
51 24.7 19.2 28.8



#19
Hexachloroethane
Concen: 1.714 ng/ul
RT: 9.022 min Scan# 1009
Delta R.T. 0.018 min
Lab File: BP017247.D
Acq: 20 Sep 2023 19:43

Tgt Ion:117 Resp: 12684
Ion Ratio Lower Upper
117 100
201 0.3 81.4 122.0#
199 0.2 52.4 78.6#

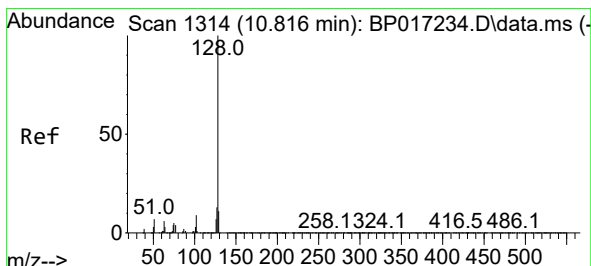
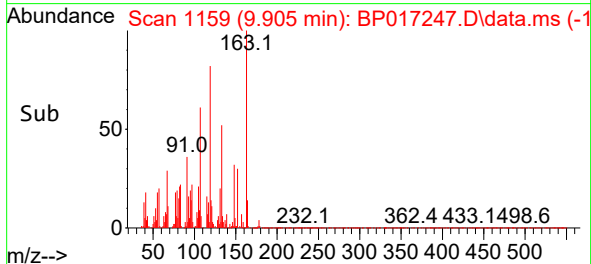
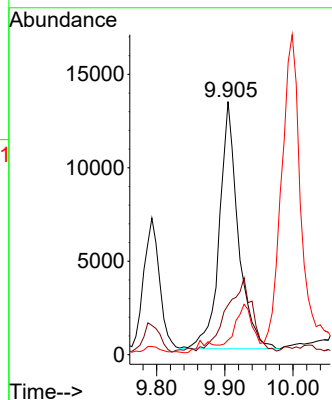
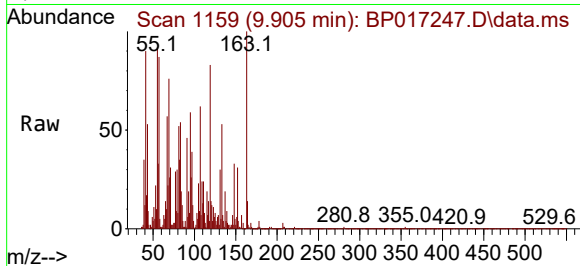




#26
2,4-Dimethylphenol
Concen: 1.440 ng/ul
RT: 9.905 min Scan# 1163
Delta R.T. -0.024 min
Lab File: BP017247.D
Acq: 20 Sep 2023 19:43

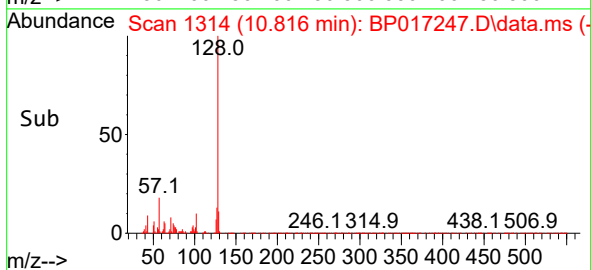
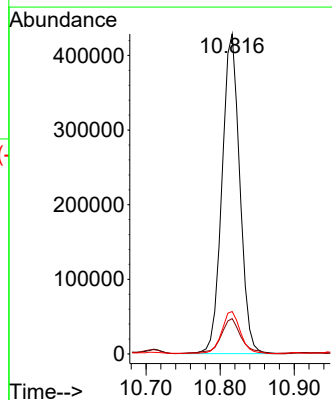
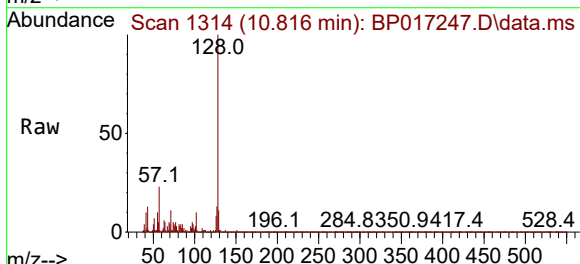
Instrument :
BNA_P
ClientSampleId :
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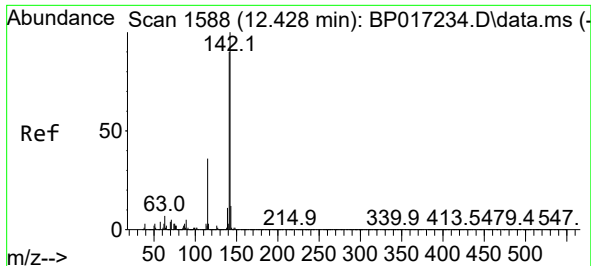
Tgt Ion:107 Resp: 25430
Ion Ratio Lower Upper
107 100
121 19.6 41.1 61.7#
122 5.8 69.4 104.0#



#30
Naphthalene
Concen: 13.139 ng/ul
RT: 10.816 min Scan# 1314
Delta R.T. 0.000 min
Lab File: BP017247.D
Acq: 20 Sep 2023 19:43

Tgt Ion:128 Resp: 712919
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.3 10.6 15.8

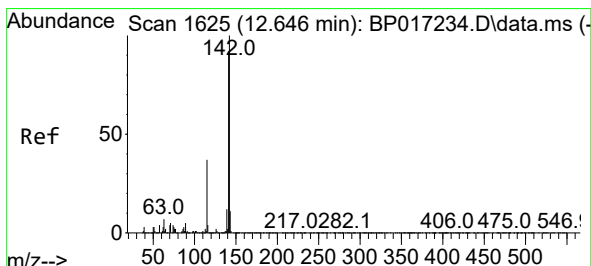
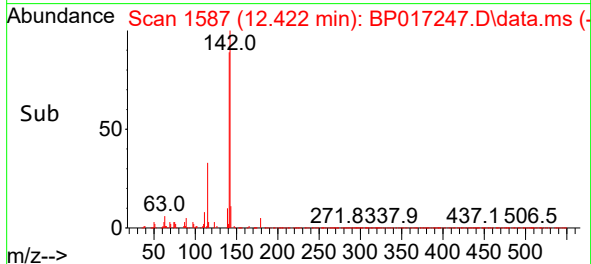
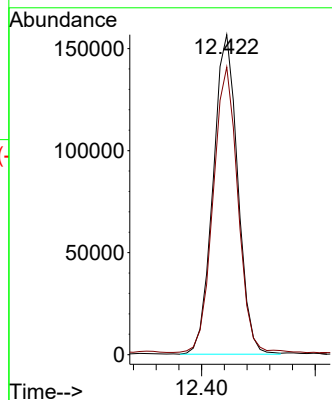
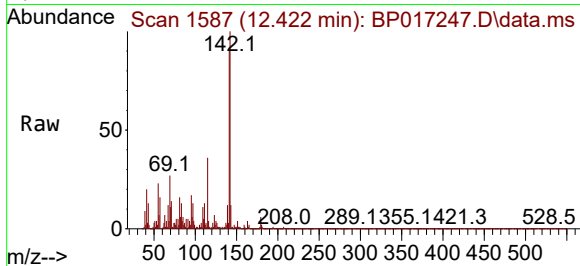




#36
2-Methylnaphthalene
Concen: 6.655 ng/ul
RT: 12.422 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BP017247.D
Acq: 20 Sep 2023 19:43

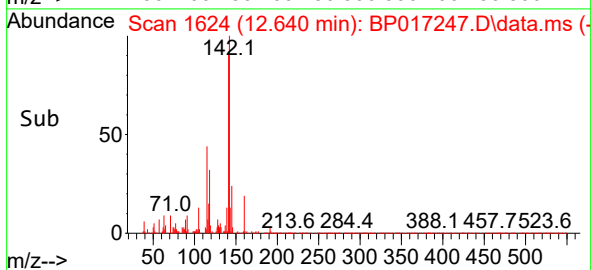
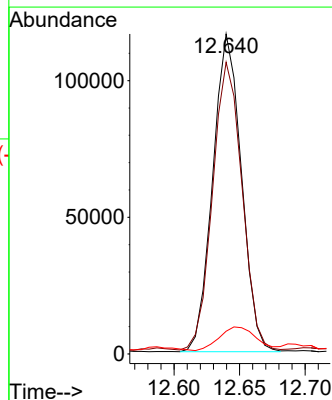
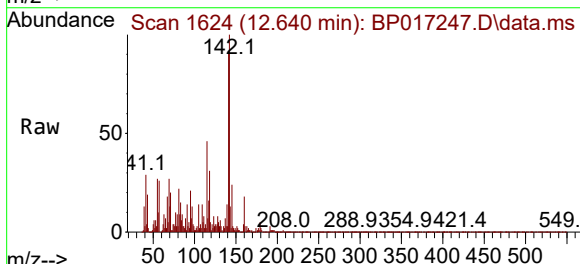
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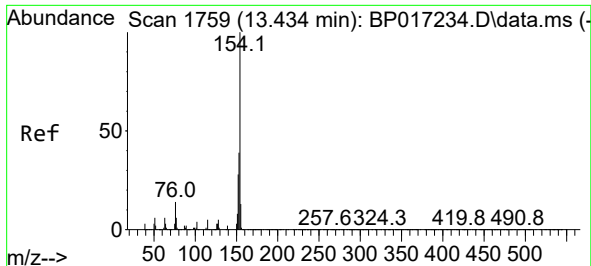
Tgt Ion:142 Resp: 235671
Ion Ratio Lower Upper
142 100
141 89.9 71.9 107.9



#37
1-Methylnaphthalene
Concen: 4.878 ng/ul
RT: 12.640 min Scan# 1624
Delta R.T. -0.006 min
Lab File: BP017247.D
Acq: 20 Sep 2023 19:43

Tgt Ion:142 Resp: 176585
Ion Ratio Lower Upper
142 100
141 91.1 73.4 110.2
116 7.1 3.1 4.7#

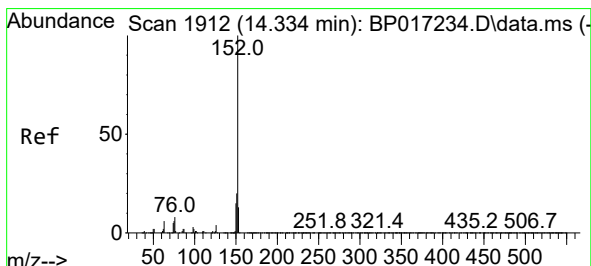
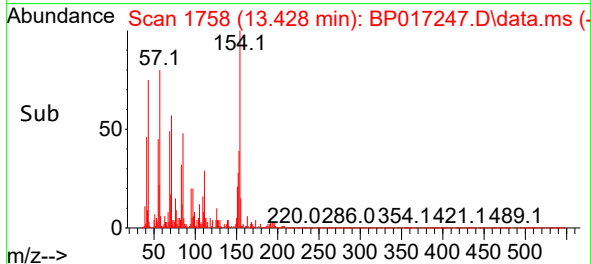
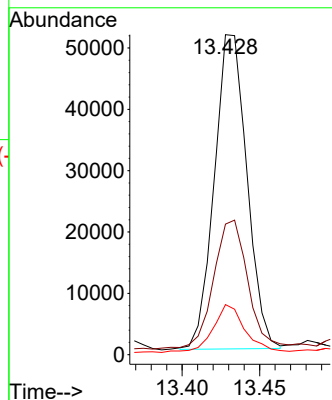
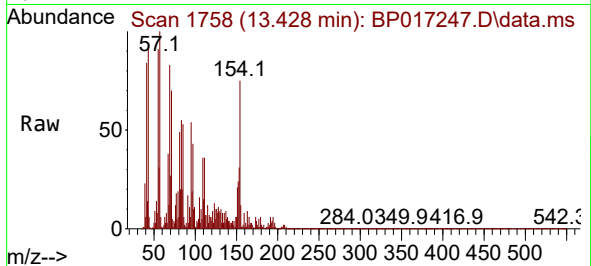




#43
1,1'-Biphenyl
Concen: 1.651 ng/ul
RT: 13.428 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP017247.D
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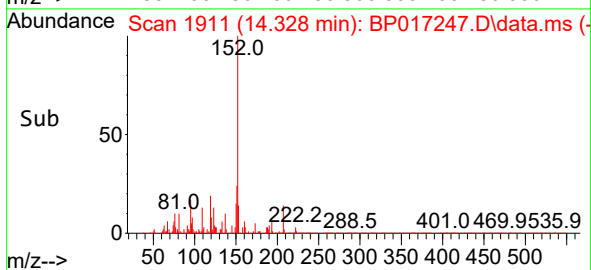
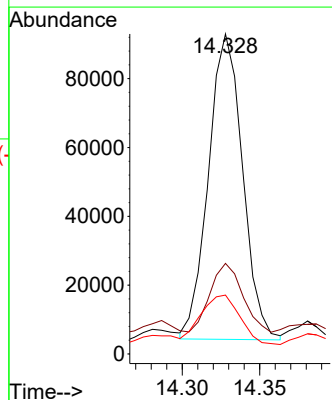
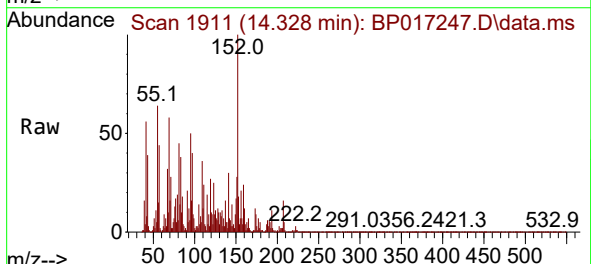
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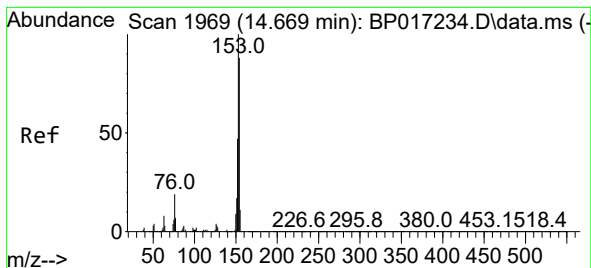
Tgt Ion:154 Resp: 75000
Ion Ratio Lower Upper
154 100
153 40.8 31.5 47.3
76 15.6 11.0 16.6



#50
Acenaphthylene
Concen: 2.357 ng/ul
RT: 14.328 min Scan# 1911
Delta R.T. -0.006 min
Lab File: BP017247.D
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Tgt Ion:152 Resp: 135928
Ion Ratio Lower Upper
152 100
151 28.3 16.0 24.0#
153 18.4 10.4 15.6#





#52

Acenaphthene

Concen: 18.139 ng/ul

RT: 14.663 min Scan# 1969

Delta R.T. -0.006 min

Lab File: BP017247.D

Acq: 20 Sep 2023 19:43

Instrument :

BNA_P

ClientSampleId :

EZYG3

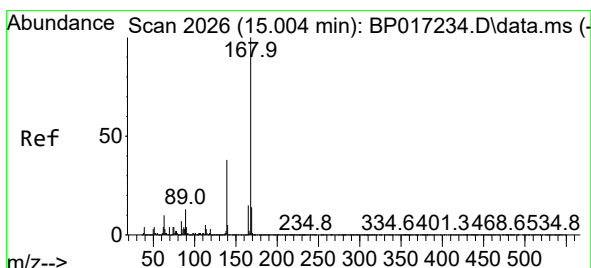
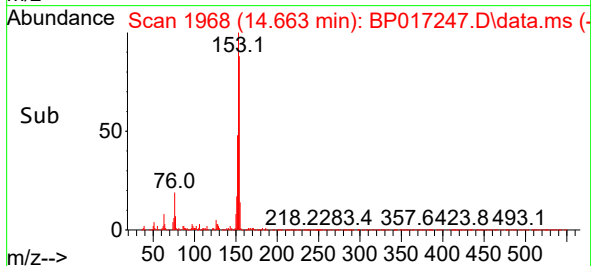
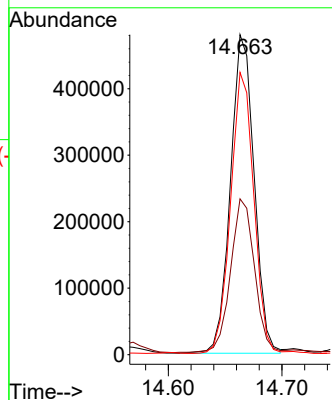
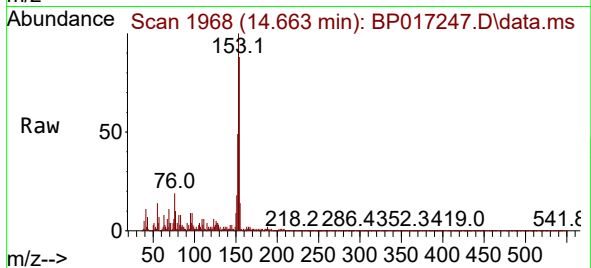
Tgt Ion:153 Resp: 690880

Ion Ratio Lower Upper

153 100

152 48.7 38.0 57.0

154 88.2 70.1 105.1



#56

Dibenzofuran

Concen: 7.895 ng/ul

RT: 14.998 min Scan# 2025

Delta R.T. -0.006 min

Lab File: BP017247.D

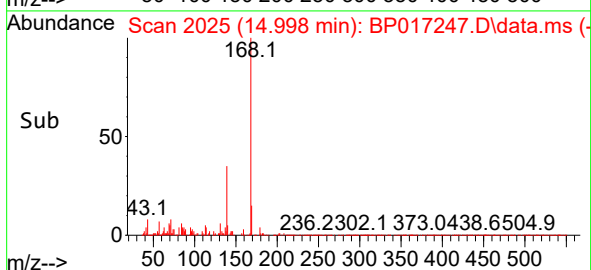
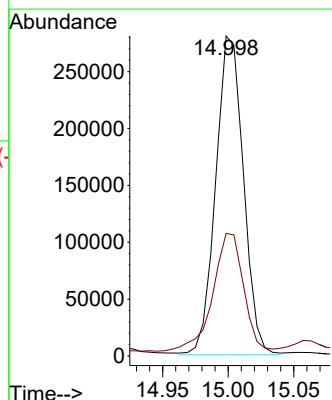
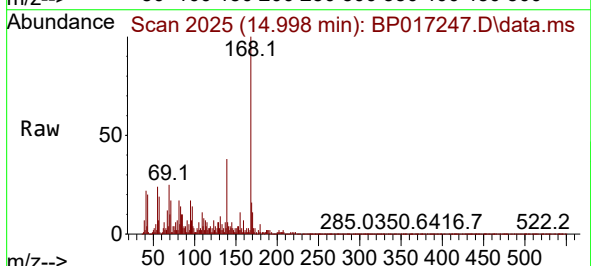
Acq: 20 Sep 2023 19:43

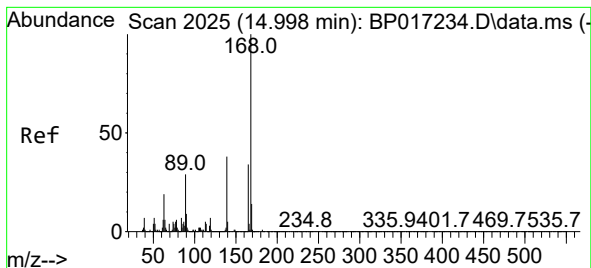
Tgt Ion:168 Resp: 411775

Ion Ratio Lower Upper

168 100

139 38.3 30.6 45.8

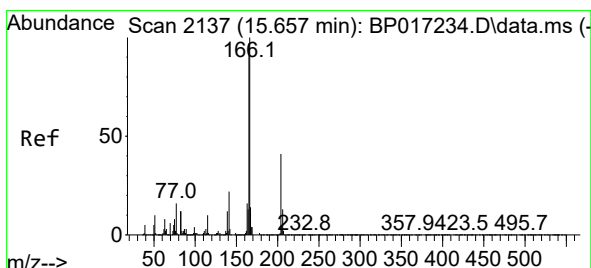
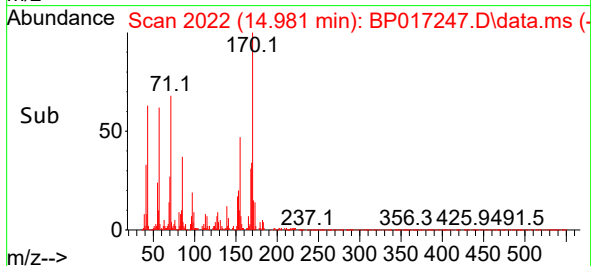
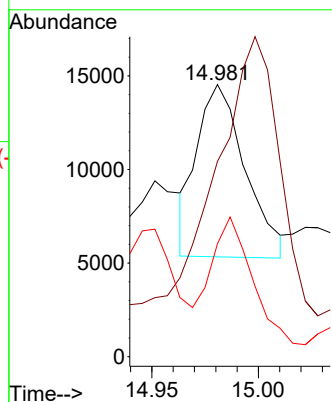
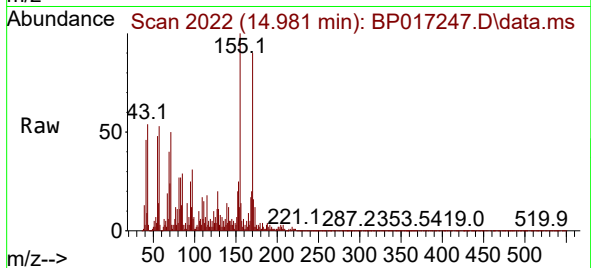




#57
2,4-Dinitrotoluene
Concen: 1.306 ng/ul
RT: 14.981 min Scan# 20
Delta R.T. -0.018 min
Lab File: BP017247.D
Acq: 20 Sep 2023 19:43

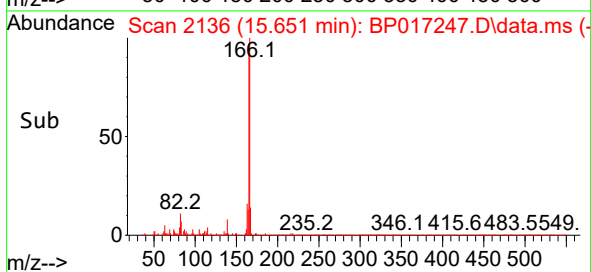
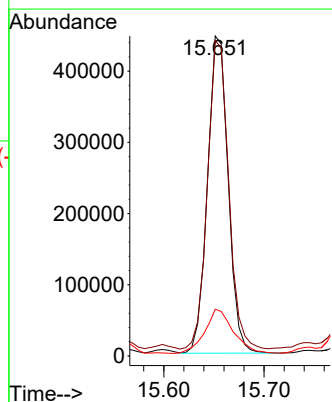
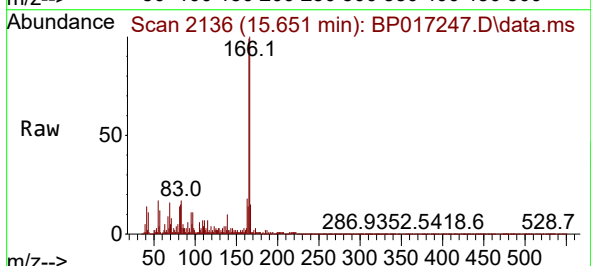
Instrument :
BNA_P
ClientSampleId :
EZYG3

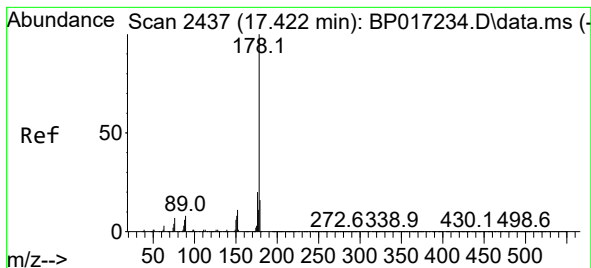
Tgt Ion:165 Resp: 14434
Ion Ratio Lower Upper
165 100
63 71.8 45.6 68.4#
182 41.5 2.0 3.0#



#61
Fluorene
Concen: 15.062 ng/ul
RT: 15.651 min Scan# 2136
Delta R.T. -0.006 min
Lab File: BP017247.D
Acq: 20 Sep 2023 19:43

Tgt Ion:166 Resp: 638304
Ion Ratio Lower Upper
166 100
165 98.5 77.8 116.6
167 14.6 10.9 16.3





#72

Phenanthrene

Concen: 46.547 ng/ul

RT: 17.416 min Scan# 2436

Delta R.T. -0.006 min

Lab File: BP017247.D

Acq: 20 Sep 2023 19:43

Instrument :

BNA_P

ClientSampleId :

EZYG3

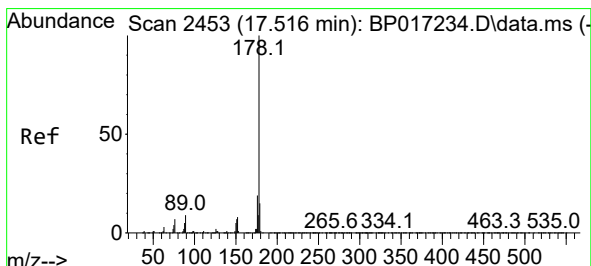
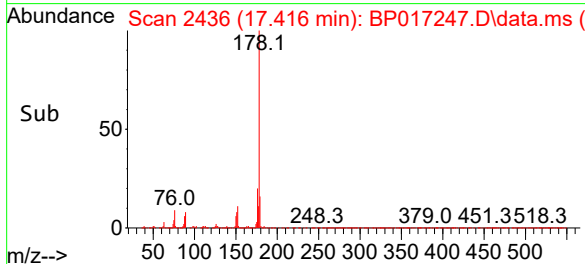
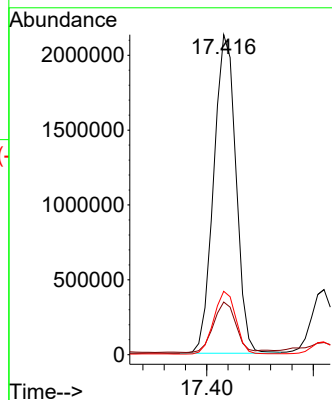
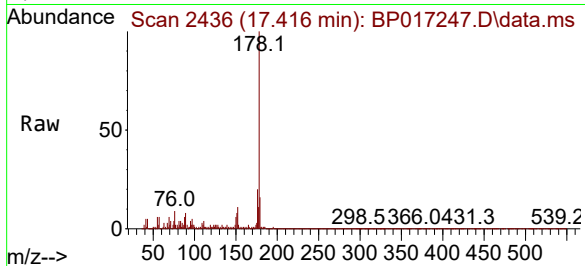
Tgt Ion:178 Resp: 3087979

Ion Ratio Lower Upper

178 100

179 16.4 12.7 19.1

176 19.8 15.8 23.6



#74

Anthracene

Concen: 45.928 ng/ul

RT: 17.416 min Scan# 2436

Delta R.T. -0.100 min

Lab File: BP017247.D

Acq: 20 Sep 2023 19:43

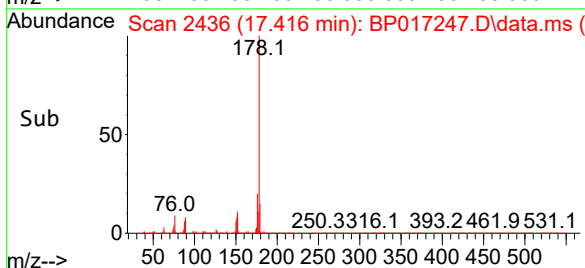
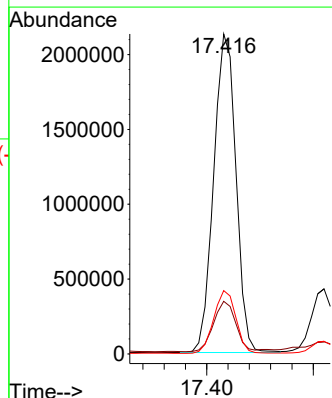
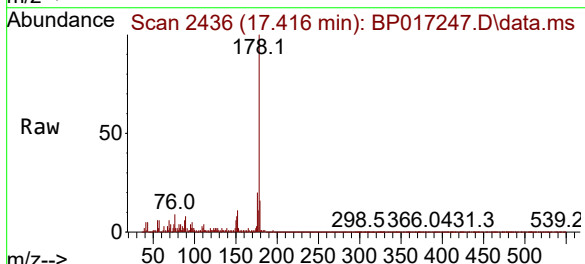
Tgt Ion:178 Resp: 3087979

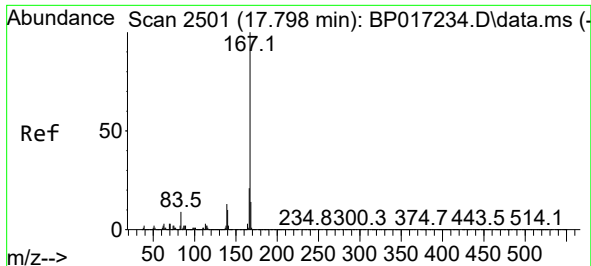
Ion Ratio Lower Upper

178 100

179 16.4 12.5 18.7

176 19.8 15.1 22.7

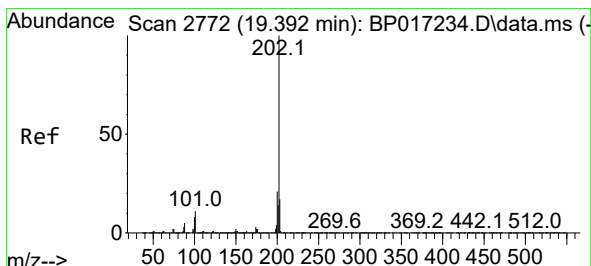
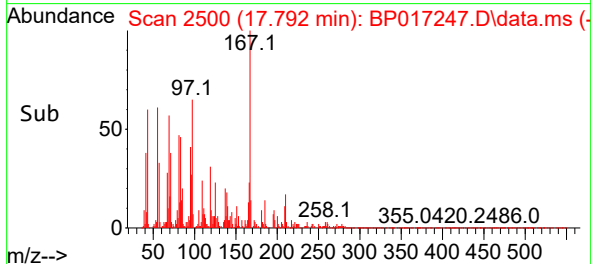
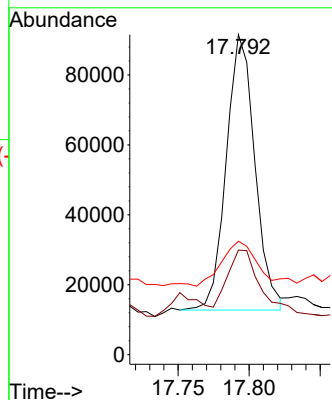
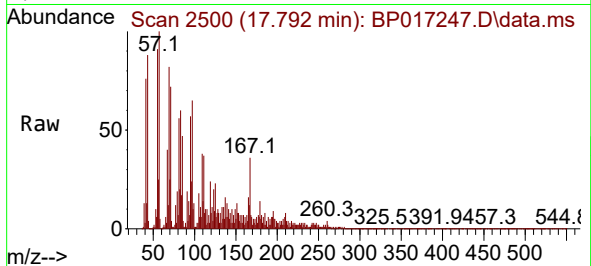




#77
Carbazole
Concen: 1.846 ng/ul
RT: 17.792 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP017247.D
Acq: 20 Sep 2023 19:43

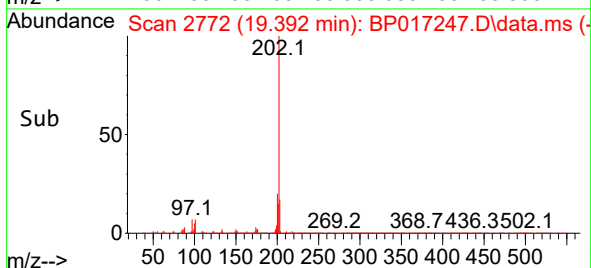
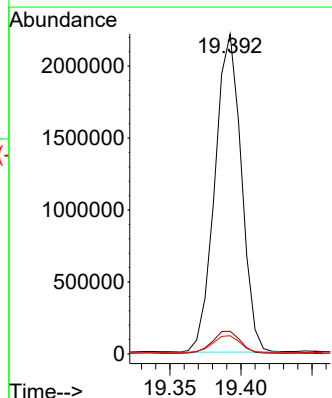
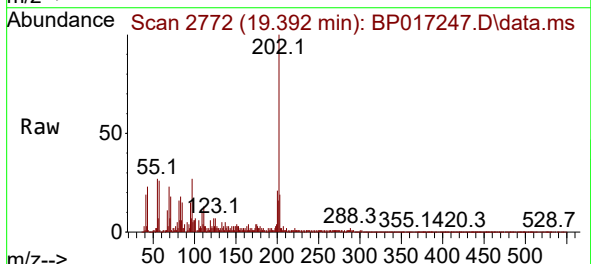
Instrument :
BNA_P
ClientSampleId :
EZYG3

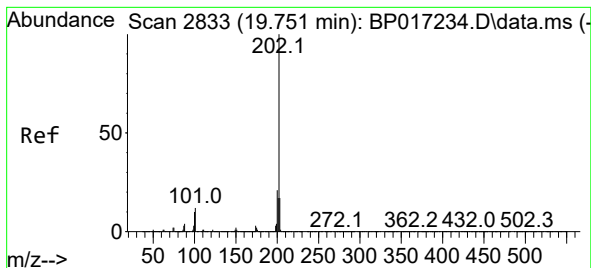
Tgt Ion:167 Resp: 110423
Ion Ratio Lower Upper
167 100
166 32.7 16.5 24.7#
139 35.5 10.5 15.7#



#80
Fluoranthene
Concen: 55.108 ng/ul
RT: 19.392 min Scan# 2772
Delta R.T. 0.000 min
Lab File: BP017247.D
Acq: 20 Sep 2023 19:43

Tgt Ion:202 Resp: 2860296
Ion Ratio Lower Upper
202 100
101 7.1 8.4 12.6#
100 5.7 6.6 10.0#





#82

Pyrene

Concen: 49.064 ng/ul

RT: 19.751 min Scan# 2833

Delta R.T. 0.000 min

Lab File: BP017247.D

Acq: 20 Sep 2023 19:43

Instrument :

BNA_P

ClientSampleId :

EZYG3

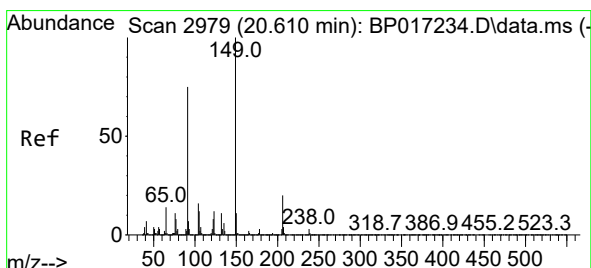
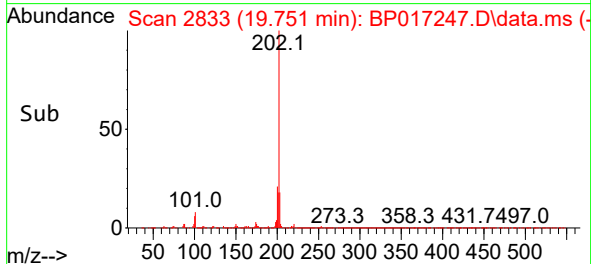
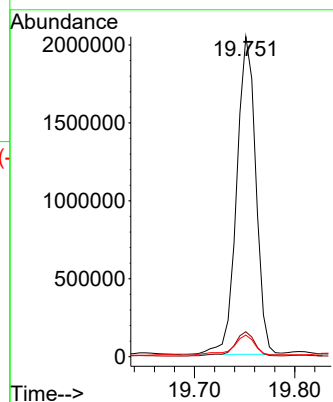
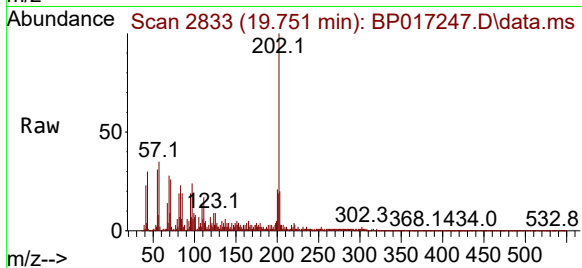
Tgt Ion:202 Resp: 2707117

Ion Ratio Lower Upper

202 100

101 7.8 9.8 14.8#

100 6.8 8.1 12.1#



#83

Butylbenzylphthalate

Concen: 1.091 ng/ul

RT: 20.616 min Scan# 2980

Delta R.T. 0.006 min

Lab File: BP017247.D

Acq: 20 Sep 2023 19:43

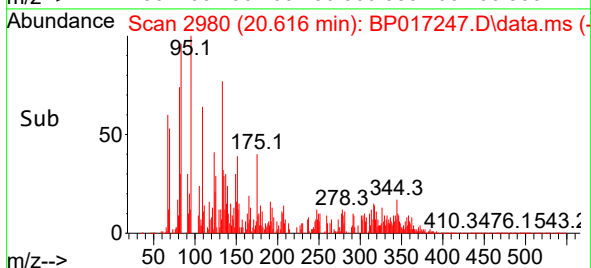
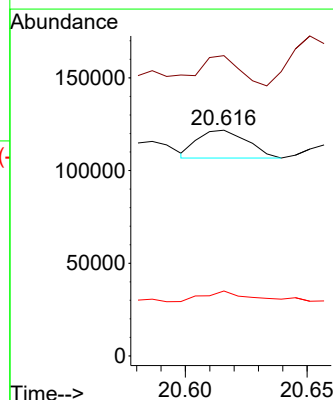
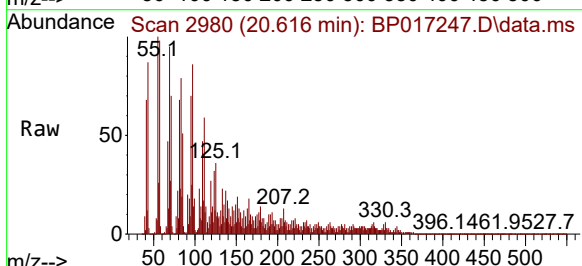
Tgt Ion:149 Resp: 21338

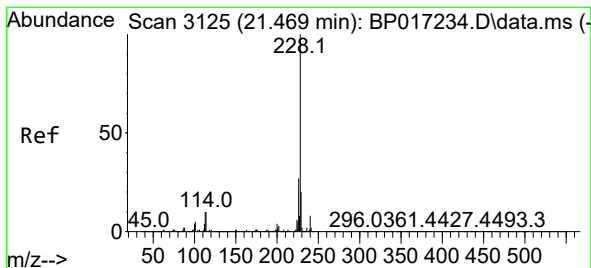
Ion Ratio Lower Upper

149 100

91 133.0 59.8 89.6#

206 28.8 15.7 23.5#





#85

Benzo(a)anthracene

Concen: 9.699 ng/ul

RT: 21.480 min Scan# 3125

Delta R.T. 0.012 min

Lab File: BP017247.D

Acq: 20 Sep 2023 19:43

Instrument :

BNA_P

ClientSampleId :

EZYG3

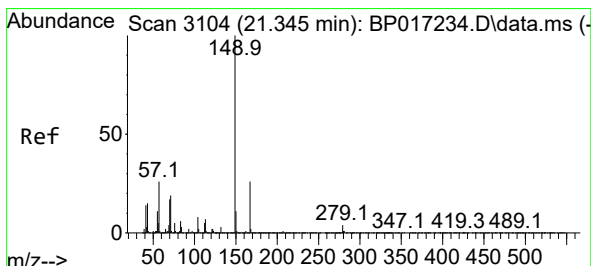
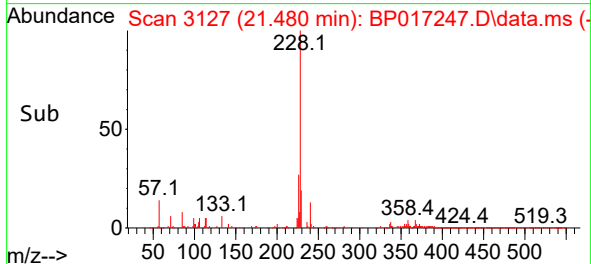
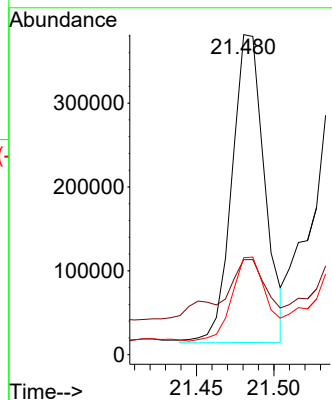
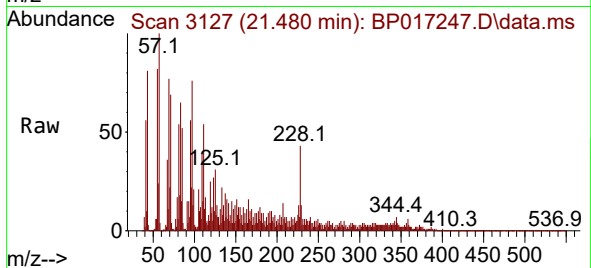
Tgt Ion:228 Resp: 538701

Ion Ratio Lower Upper

228 100

229 29.7 15.8 23.6#

226 30.3 21.8 32.8



#86

Bis(2-ethylhexyl)phthalate

Concen: 4.575 ng/ul

RT: 21.357 min Scan# 3106

Delta R.T. 0.012 min

Lab File: BP017247.D

Acq: 20 Sep 2023 19:43

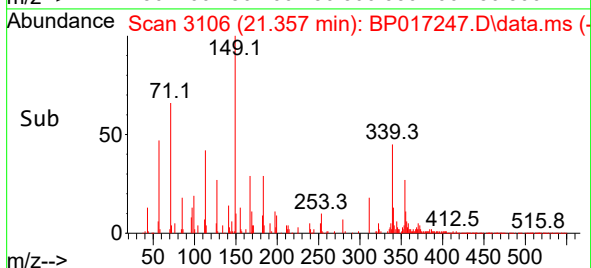
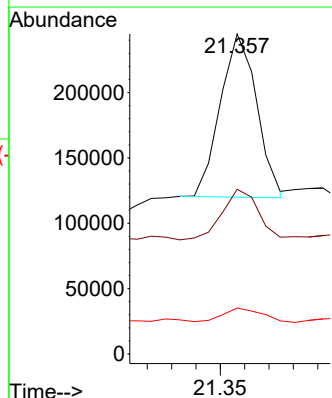
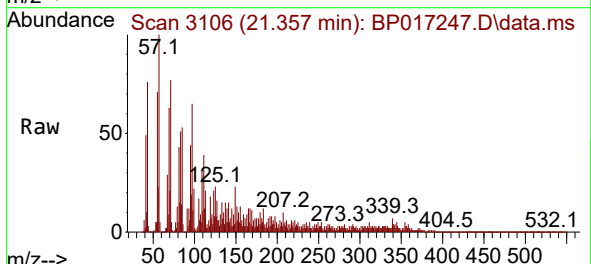
Tgt Ion:149 Resp: 129258

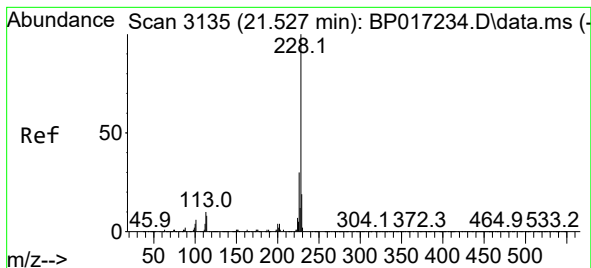
Ion Ratio Lower Upper

149 100

167 51.4 21.0 31.6#

279 14.4 3.0 4.4#





#87

Chrysene

Concen: 10.291 ng/ul

RT: 21.539 min Scan# 3135

Delta R.T. 0.012 min

Lab File: BP017247.D

Acq: 20 Sep 2023 19:43

Instrument :

BNA_P

ClientSampleId :

EZYG3

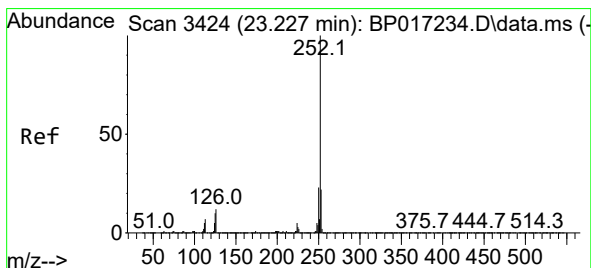
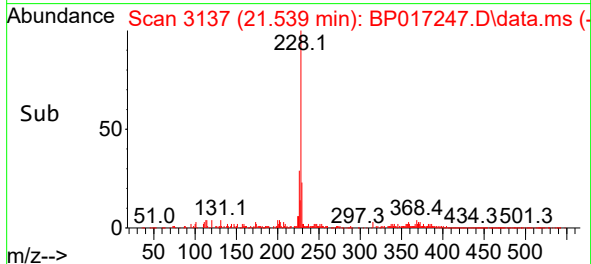
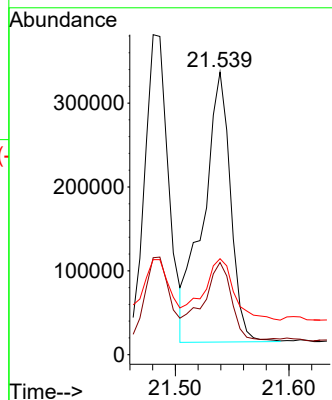
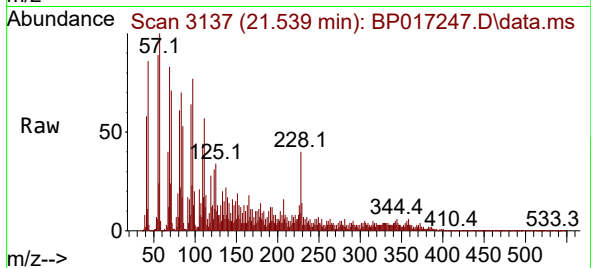
Tgt Ion:228 Resp: 537944

Ion Ratio Lower Upper

228 100

226 32.6 24.1 36.1

229 34.0 15.0 22.6#



#90

Benzo(b)fluoranthene

Concen: 10.333 ng/ul

RT: 23.269 min Scan# 3431

Delta R.T. 0.041 min

Lab File: BP017247.D

Acq: 20 Sep 2023 19:43

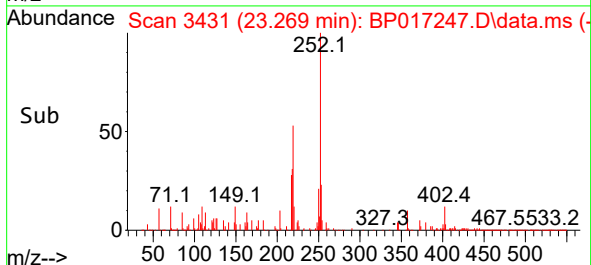
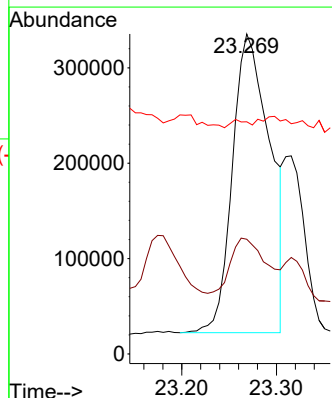
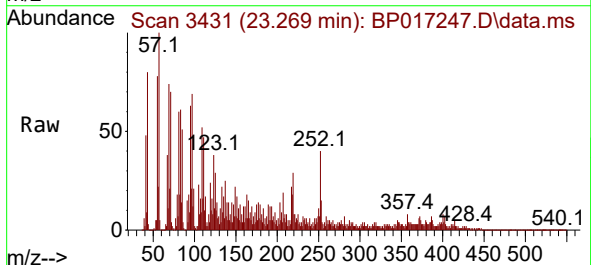
Tgt Ion:252 Resp: 861162

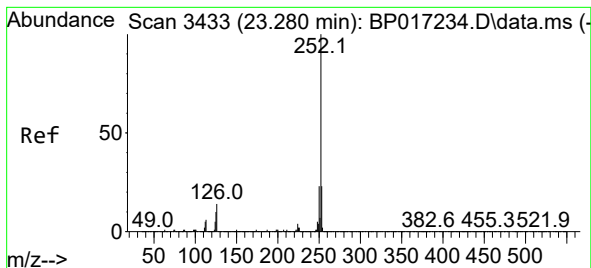
Ion Ratio Lower Upper

252 100

253 35.9 17.4 26.0#

125 72.6 7.8 11.8#





#91

Benzo(k)fluoranthene

Concen: 10.242 ng/ul

RT: 23.269 min Scan# 34

Delta R.T. -0.012 min

Lab File: BP017247.D

Acq: 20 Sep 2023 19:43

Instrument :

BNA_P

ClientSampleId :

EZYG3

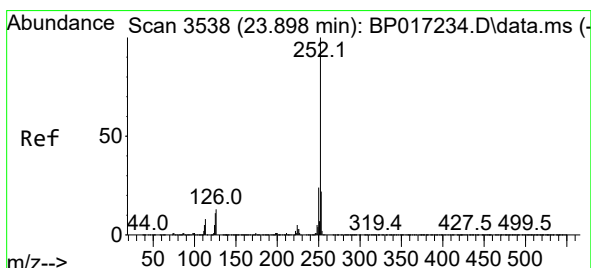
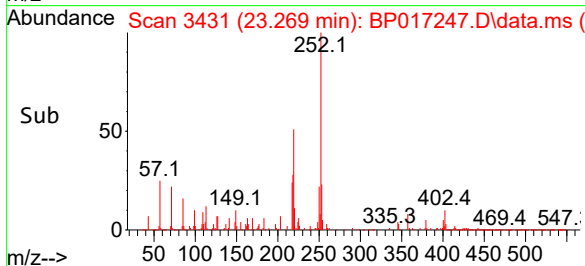
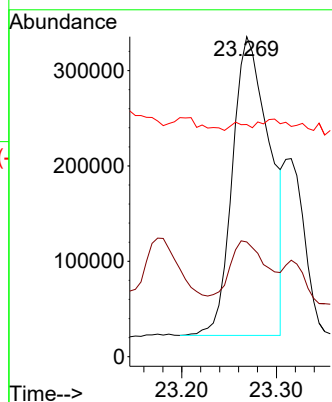
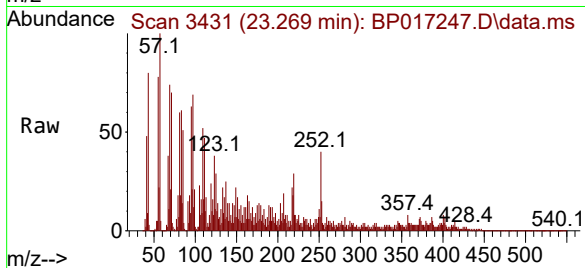
Tgt Ion:252 Resp: 861162

Ion Ratio Lower Upper

252 100

253 35.9 17.9 26.9#

125 72.6 7.8 11.6#



#93

Benzo(a)pyrene

Concen: 7.489 ng/ul

RT: 23.951 min Scan# 3547

Delta R.T. 0.053 min

Lab File: BP017247.D

Acq: 20 Sep 2023 19:43

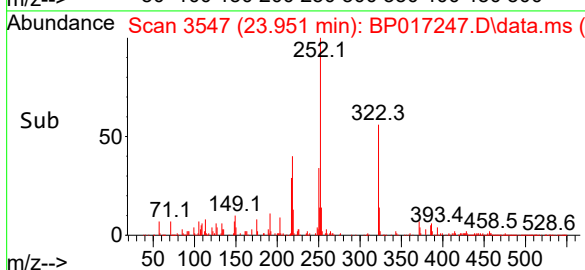
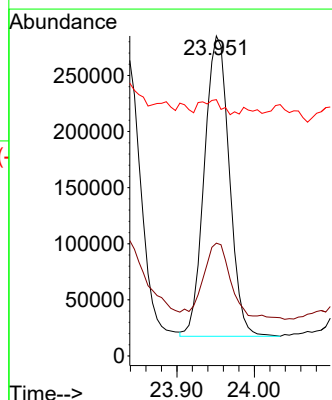
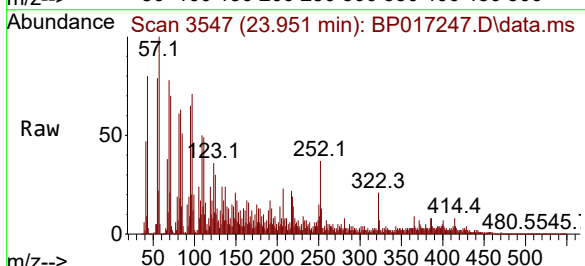
Tgt Ion:252 Resp: 597145

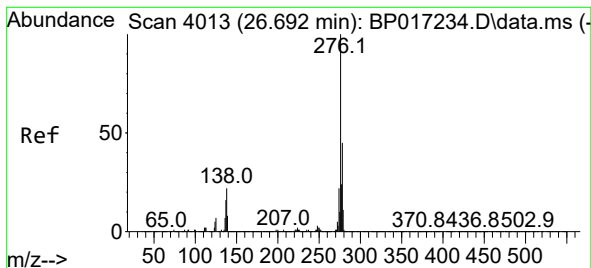
Ion Ratio Lower Upper

252 100

253 35.2 17.4 26.0#

125 80.1 8.9 13.3#





#94

Indeno(1,2,3-cd)pyrene

Concen: 5.453 ng/ul

RT: 26.786 min Scan# 4013

Delta R.T. 0.094 min

Lab File: BP017247.D

Acq: 20 Sep 2023 19:43

Instrument :

BNA_P

ClientSampleId :

EZYG3

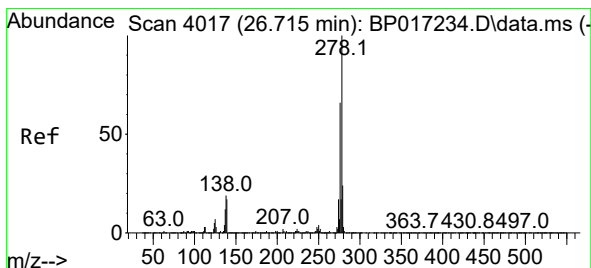
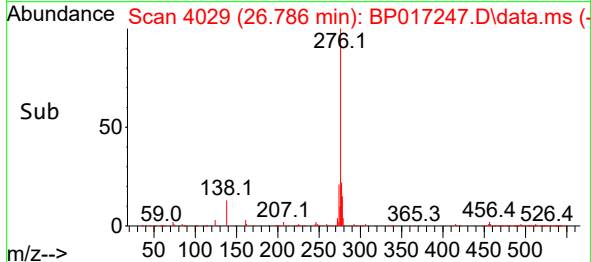
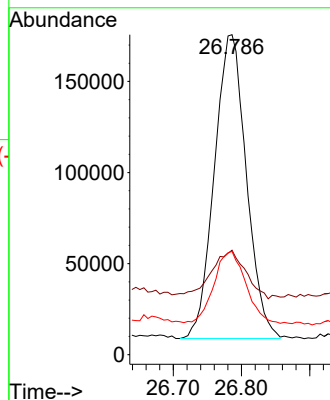
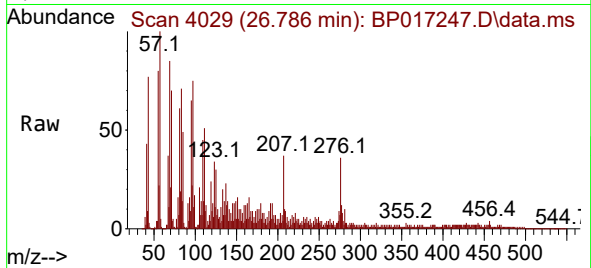
Tgt Ion:276 Resp: 545066

Ion Ratio Lower Upper

276 100

138 32.7 17.9 26.9#

277 32.3 19.5 29.3#



#95

Dibenzo(a,h)anthracene

Concen: 1.588 ng/ul

RT: 26.792 min Scan# 4030

Delta R.T. 0.076 min

Lab File: BP017247.D

Acq: 20 Sep 2023 19:43

Tgt Ion:278 Resp: 132235

Ion Ratio Lower Upper

278 100

139 180.3 13.4 20.0#

279 48.4 19.5 29.3#

