

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071823\
 Data File : BP016309.D
 Acq On : 19 Jul 2023 00:19
 Operator : MA/JU
 Sample : 03458-25
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 19 01:31:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071223.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 19 01:28:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	285867	20.000	ng/u1	0.00
20) Naphthalene-d8	10.763	136	1306093	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.598	164	680840	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.363	188	1875632	20.000	ng/u1	0.00
79) Chrysene-d12	21.457	240	1438493	20.000	ng/u1	0.00
88) Perylene-d12	23.939	264	1416037	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.281	96	23824	2.949	ng/uL	0.00
4) Pyridine-d5	3.734	84	445	0.022	ng/u1	0.00
7) Phenol-d5	7.146	99	395804	15.329	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.281	67	279039	15.982	ng/u1	0.00
11) 2-Chlorophenol-d4	7.487	132	299415	16.063	ng/u1	0.01
15) 4-Methylphenol-d8	8.704	113	328165	15.777	ng/u1	0.01
21) Nitrobenzene-d5	9.146	128	159049	17.651	ng/u1	0.00
24) 2-Nitrophenol-d4	9.875	143	163220	15.893	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.469	165	273666	15.388	ng/u1	0.04
31) 4-Chloroaniline-d4	10.940	131	164	0.006	ng/u1	0.00
46) Dimethylphthalate-d6	14.022	166	908668	17.496	ng/u1	0.00
49) Acenaphthylene-d8	14.298	160	890475	15.645	ng/u1	0.00
54) 4-Nitrophenol-d4	14.939	143	61300	5.784	ng/u1	0.01
60) Fluorene-d10	15.598	176	792165	18.225	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.804	200	63883	5.900	ng/u1	0.02
73) Anthracene-d10	17.469	188	1370855	16.709	ng/u1	0.00
81) Pyrene-d10	19.698	212	812638	10.887	ng/u1	-0.01
92) Benzo(a)pyrene-d12	23.780	264	333076	4.898	ng/u1	-0.01
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.134	77	19415	1.204	ng/u1	94
8) Phenol	7.187	94	62584	2.261	ng/u1	93
16) Acetophenone	8.804	105	269488	7.857	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.757	70	32809	1.784	ng/u1#	84
30) Naphthalene	10.816	128	220298	3.214	ng/u1	98
36) 2-Methylnaphthalene	12.463	142	50918	1.108	ng/u1	99
52) Acenaphthene	14.663	153	378217	8.554	ng/u1	99
56) Dibenzofuran	15.016	168	242394	4.025	ng/u1	99
61) Fluorene	15.663	166	384715	7.647	ng/u1	97
72) Phenanthrene	17.404	178	5781528	59.159	ng/u1	99
74) Anthracene	17.404	178	5781528	58.874	ng/u1	97
77) Carbazole	17.798	167	312523	3.491	ng/u1	99
80) Fluoranthene	19.375	202	7989430	91.532	ng/u1	98
82) Pyrene	19.727	202	3135433	33.645	ng/u1	98
85) Benzo(a)anthracene	21.439	228	3159642	33.730	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.321	149	209984	3.497	ng/u1	99
87) Chrysene	21.492	228	2662177	28.054	ng/u1	98
90) Benzo(b)fluoranthene	23.180	252	2679797	33.130	ng/u1	99
91) Benzo(k)fluoranthene	23.227	252	1005438	12.215	ng/u1	98
93) Benzo(a)pyrene	23.833	252	391305	4.883	ng/u1	93
94) Indeno(1,2,3-cd)pyrene	26.574	276	402214	4.054	ng/u1	99
95) Dibenzo(a,h)anthracene	26.568	278	291764	3.605	ng/u1	95

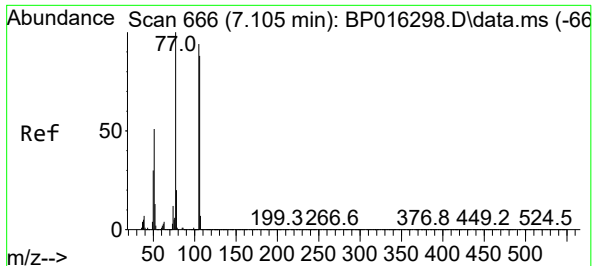
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071823\
Data File : BP016309.D
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Operator : MA/JU
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BNA_M
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Quant Time: Jul 19 01:31:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071223.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 19 01:28:59 2023
Response via : Initial Calibration

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

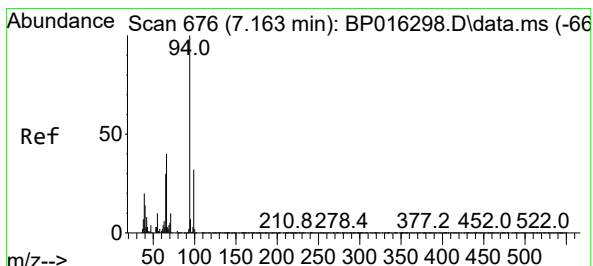
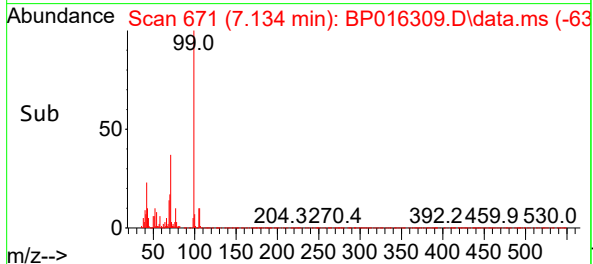
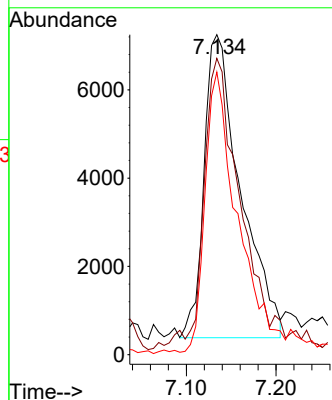
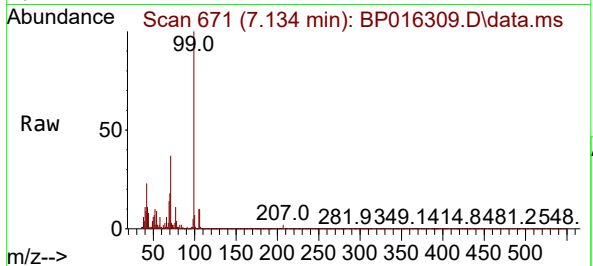
(#) = qualifier out of range (m) = manual integration (+) = signals summed						



#6
Benzaldehyde
Concen: 1.204 ng/ul
RT: 7.134 min Scan# 61
Delta R.T. 0.029 min
Lab File: BP016309.D
Acq: 19 Jul 2023 00:19

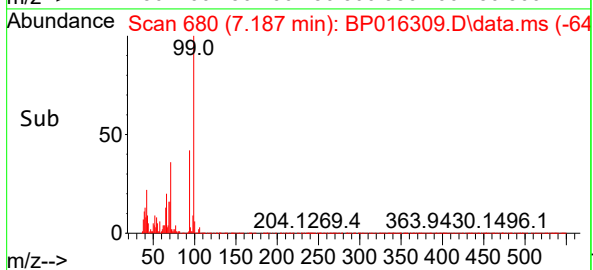
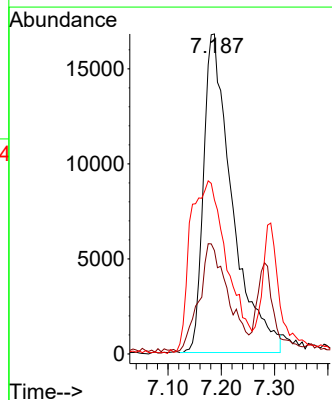
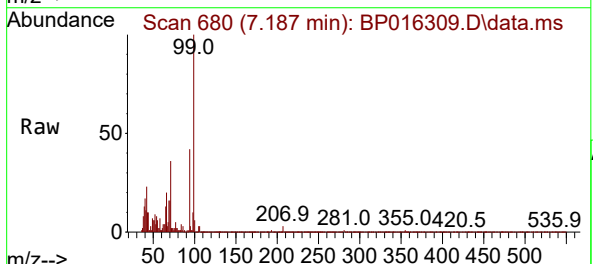
Instrument :
BNA_M
ClientSampleId :

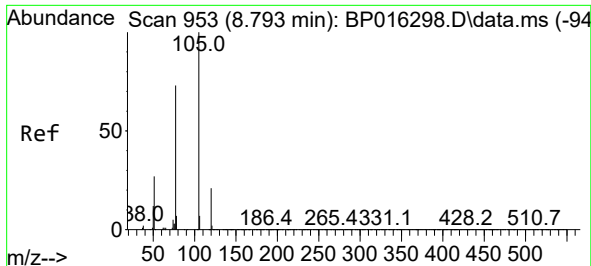
Tgt Ion: 77 Resp: 19415
Ion Ratio Lower Upper
77 100
105 92.6 69.4 104.2
106 88.3 66.2 99.4



#8
Phenol
Concen: 2.261 ng/ul
RT: 7.187 min Scan# 680
Delta R.T. 0.024 min
Lab File: BP016309.D
Acq: 19 Jul 2023 00:19

Tgt Ion: 94 Resp: 62584
Ion Ratio Lower Upper
94 100
65 32.3 25.5 38.3
66 48.2 32.7 49.1

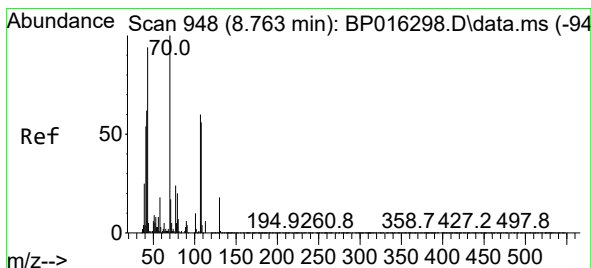
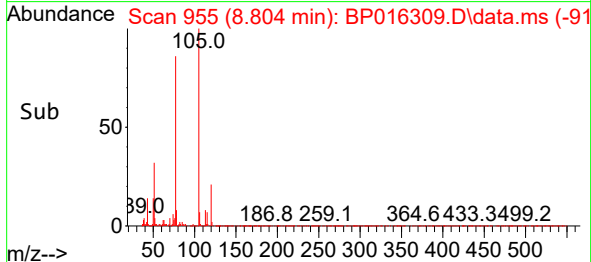
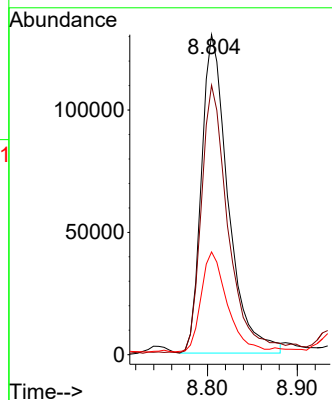
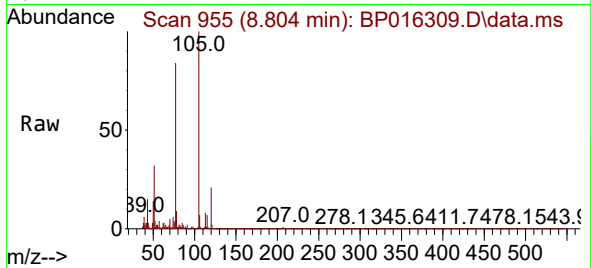




#16
Acetophenone
Concen: 7.857 ng/ul
RT: 8.804 min Scan# 91
Delta R.T. 0.012 min
Lab File: BP016309.D
Acq: 19 Jul 2023 00:19

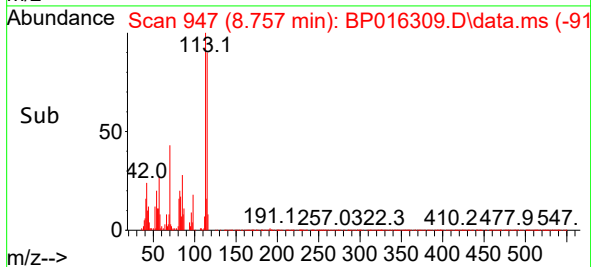
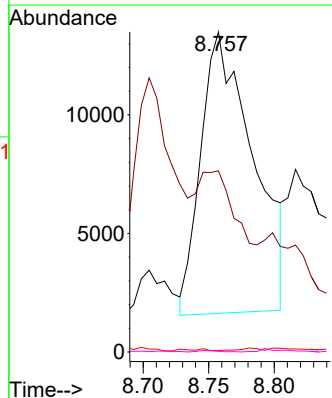
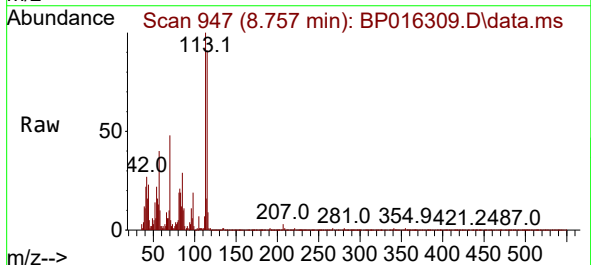
Instrument :
BNA_M
ClientSampleId :

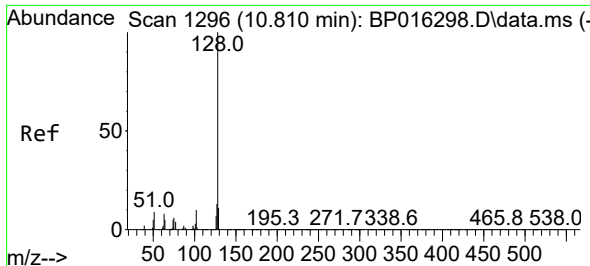
Tgt Ion:105 Resp: 269488
Ion Ratio Lower Upper
105 100
77 84.2 70.2 105.2
51 32.1 26.3 39.5



#17
N-Nitroso-di-n-propylamine
Concen: 1.784 ng/ul
RT: 8.757 min Scan# 947
Delta R.T. -0.006 min
Lab File: BP016309.D
Acq: 19 Jul 2023 00:19

Tgt Ion: 70 Resp: 32809
Ion Ratio Lower Upper
70 100
42 56.6 50.8 76.2
101 0.5 7.0 10.6#
130 0.3 13.3 19.9#

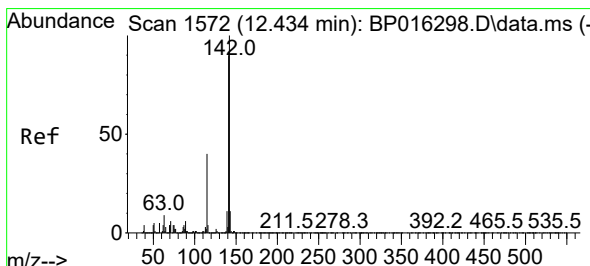
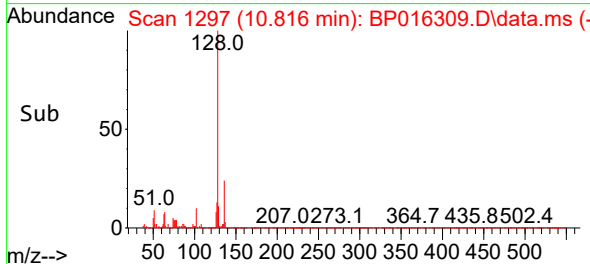
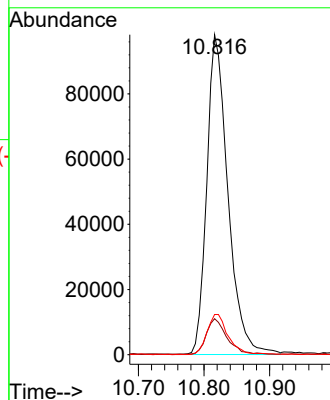
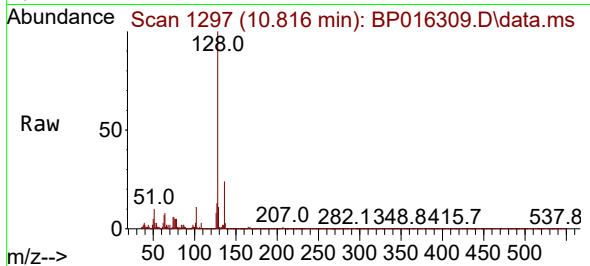




#30
Naphthalene
Concen: 3.214 ng/ul
RT: 10.816 min Scan# 1296
Delta R.T. 0.006 min
Lab File: BP016309.D
Acq: 19 Jul 2023 00:19

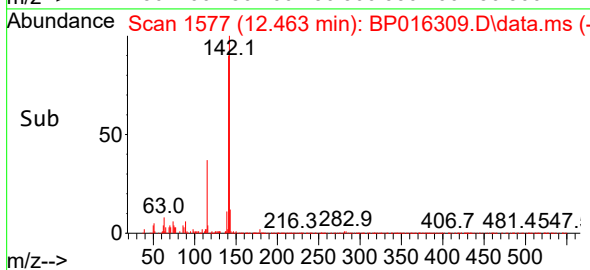
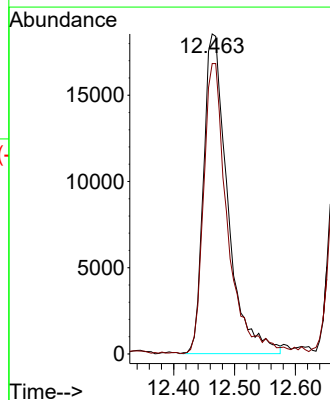
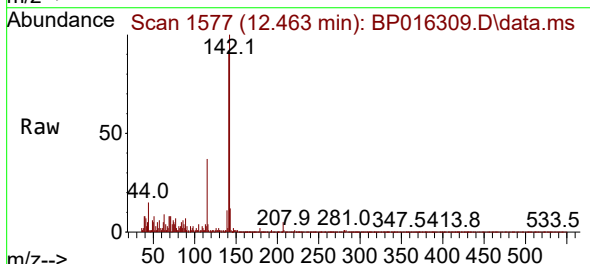
Instrument :
BNA_M
ClientSampleId :

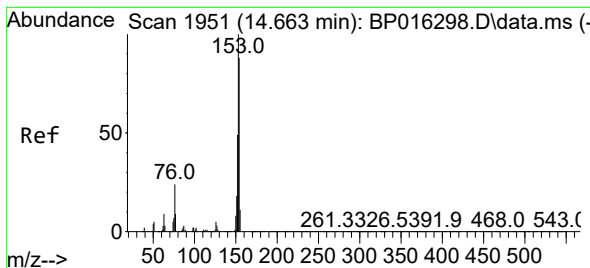
Tgt Ion:128 Resp: 220298
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 12.6 10.9 16.3



#36
2-Methylnaphthalene
Concen: 1.108 ng/ul
RT: 12.463 min Scan# 1577
Delta R.T. 0.029 min
Lab File: BP016309.D
Acq: 19 Jul 2023 00:19

Tgt Ion:142 Resp: 50918
Ion Ratio Lower Upper
142 100
141 90.8 71.9 107.9





#52

Acenaphthene

Concen: 8.554 ng/ul

RT: 14.663 min Scan# 1951

Delta R.T. 0.000 min

Lab File: BP016309.D

Acq: 19 Jul 2023 00:19

Instrument :

BNA_M

ClientSampleId :

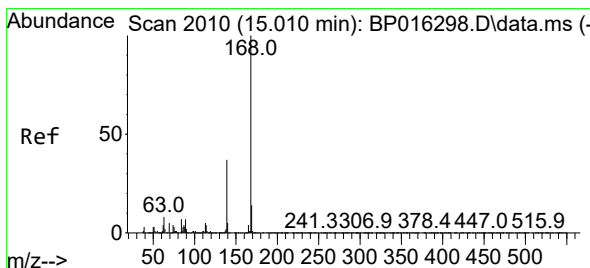
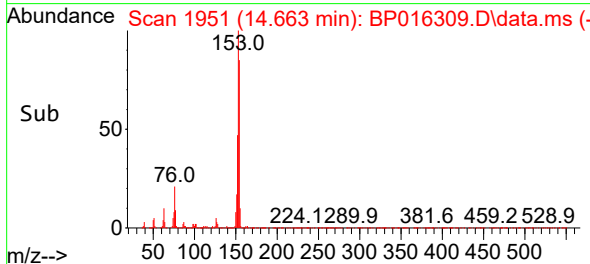
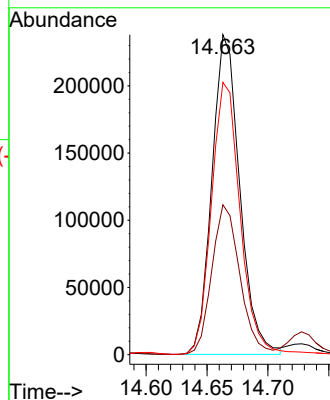
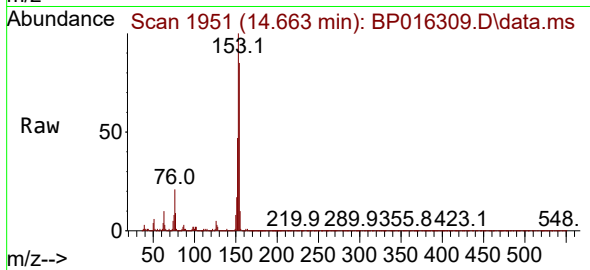
Tgt Ion:153 Resp: 378217

Ion Ratio Lower Upper

153 100

152 46.9 37.9 56.9

154 85.1 69.3 103.9



#56

Dibenzofuran

Concen: 4.025 ng/ul

RT: 15.016 min Scan# 2011

Delta R.T. 0.006 min

Lab File: BP016309.D

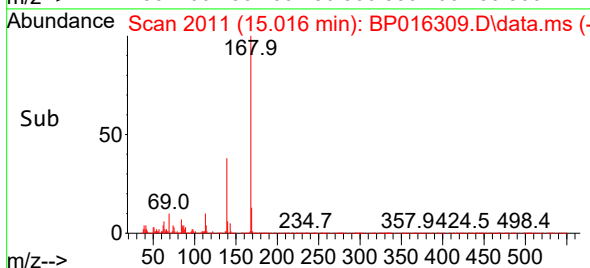
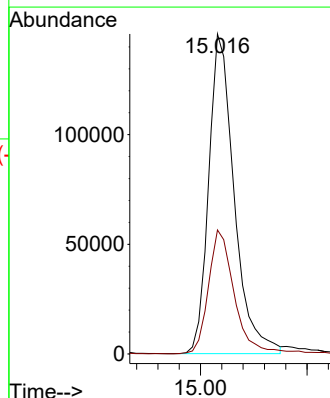
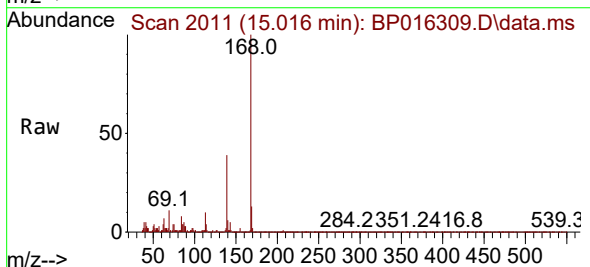
Acq: 19 Jul 2023 00:19

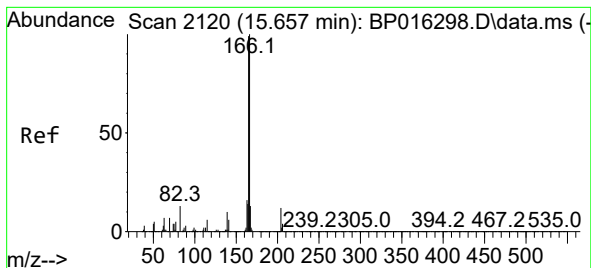
Tgt Ion:168 Resp: 242394

Ion Ratio Lower Upper

168 100

139 38.7 30.6 45.8





#61

Fluorene

Concen: 7.647 ng/ul

RT: 15.663 min Scan# 2120

Delta R.T. 0.006 min

Lab File: BP016309.D

Acq: 19 Jul 2023 00:19

Instrument :

BNA_M

ClientSampleId :

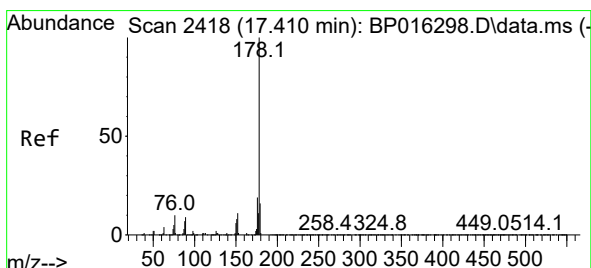
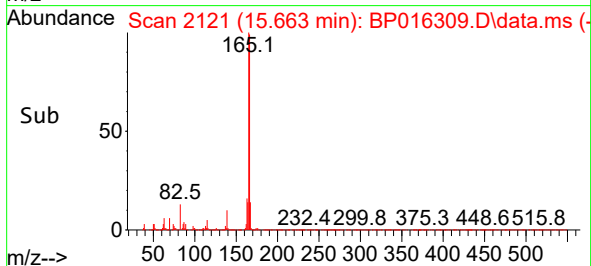
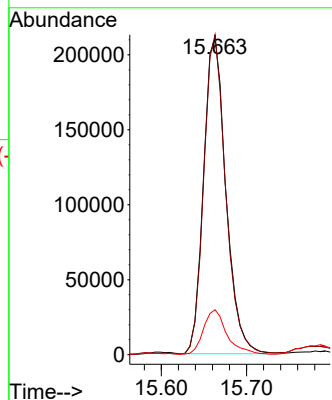
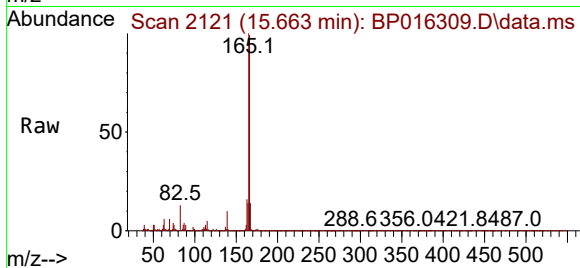
Tgt Ion:166 Resp: 384715

Ion Ratio Lower Upper

166 100

165 101.0 78.6 117.8

167 14.2 11.0 16.4



#72

Phenanthrene

Concen: 59.159 ng/ul

RT: 17.404 min Scan# 2417

Delta R.T. -0.006 min

Lab File: BP016309.D

Acq: 19 Jul 2023 00:19

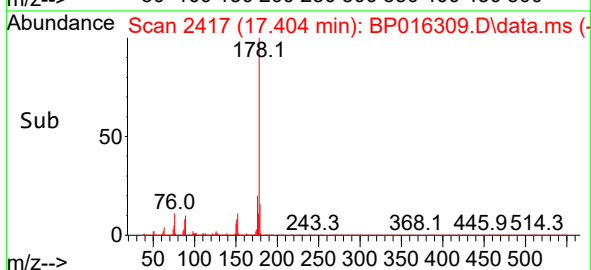
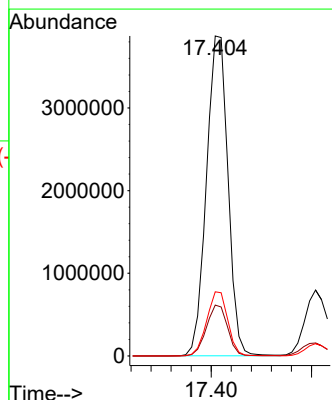
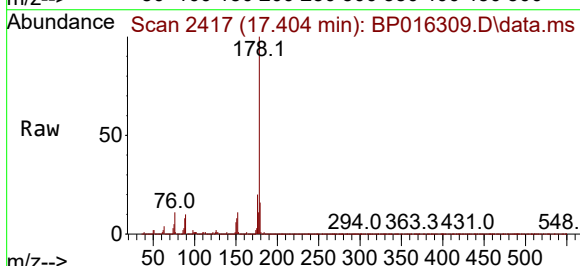
Tgt Ion:178 Resp: 5781528

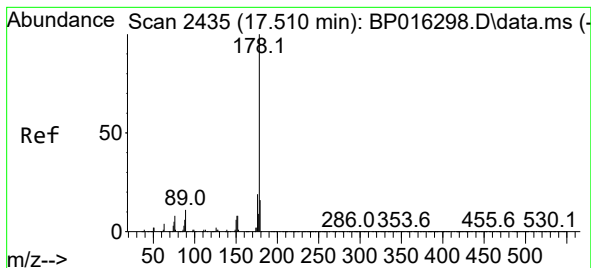
Ion Ratio Lower Upper

178 100

179 15.9 12.5 18.7

176 20.0 15.6 23.4





#74

Anthracene

Concen: 58.874 ng/ul

RT: 17.404 min Scan# 2435

Delta R.T. -0.106 min

Lab File: BP016309.D

Acq: 19 Jul 2023 00:19

Instrument :

BNA_M

ClientSampleId :

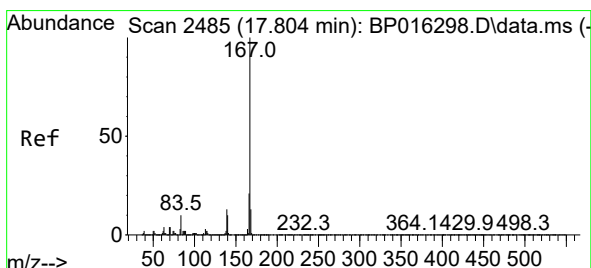
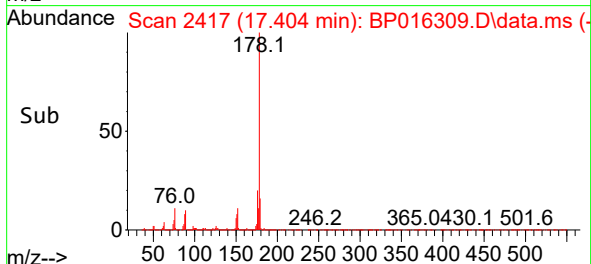
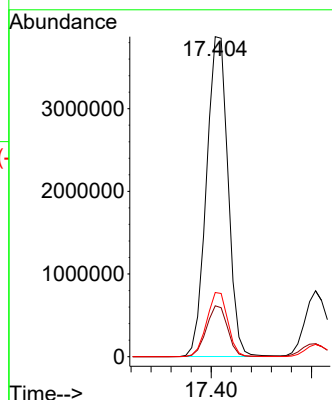
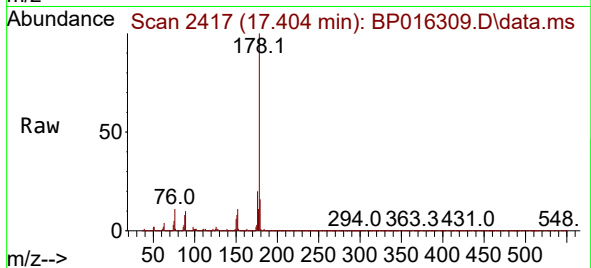
Tgt Ion:178 Resp: 5781528

Ion Ratio Lower Upper

178 100

179 15.9 11.9 17.9

176 20.0 15.0 22.4



#77

Carbazole

Concen: 3.491 ng/ul

RT: 17.798 min Scan# 2484

Delta R.T. -0.006 min

Lab File: BP016309.D

Acq: 19 Jul 2023 00:19

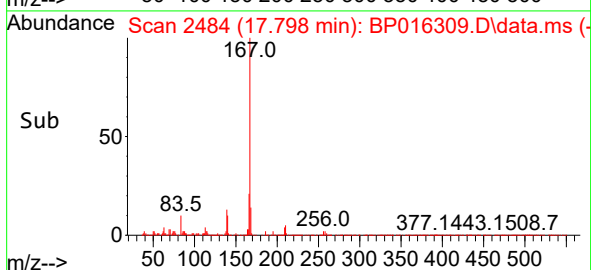
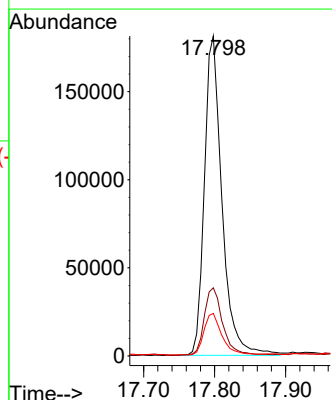
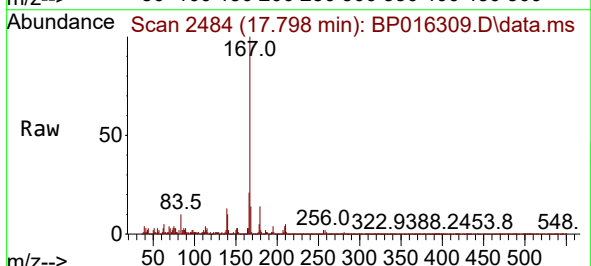
Tgt Ion:167 Resp: 312523

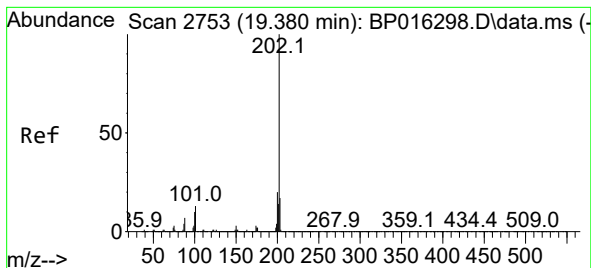
Ion Ratio Lower Upper

167 100

166 21.3 16.8 25.2

139 13.3 10.2 15.4





#80

Fluoranthene

Concen: 91.532 ng/ul

RT: 19.375 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP016309.D

Acq: 19 Jul 2023 00:19

Instrument :

BNA_M

ClientSampleId :

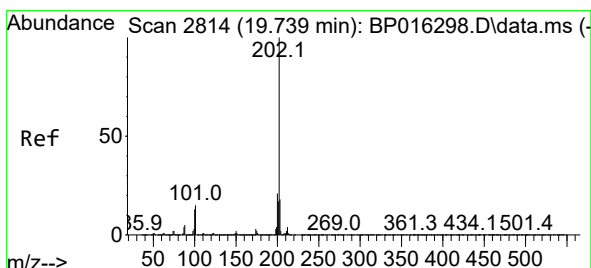
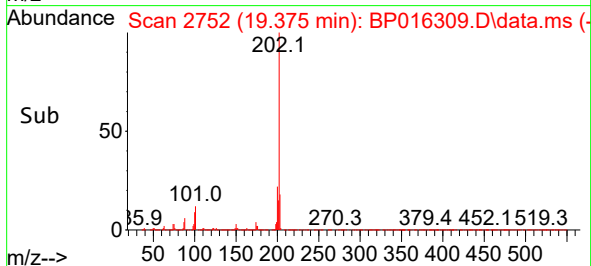
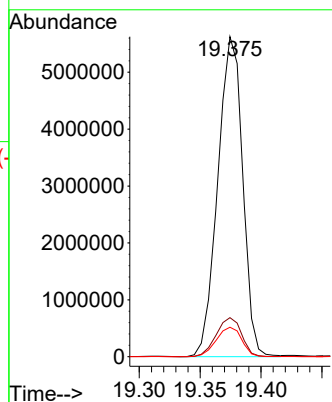
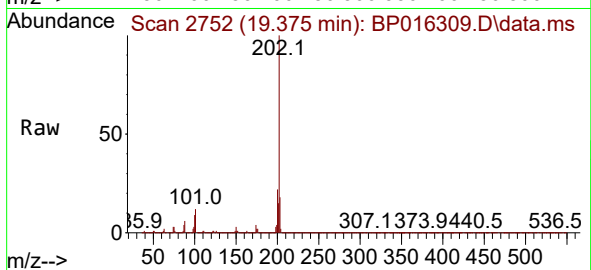
Tgt Ion:202 Resp: 7989430

Ion Ratio Lower Upper

202 100

101 12.2 10.4 15.6

100 9.2 8.2 12.4



#82

Pyrene

Concen: 33.645 ng/ul

RT: 19.727 min Scan# 2812

Delta R.T. -0.012 min

Lab File: BP016309.D

Acq: 19 Jul 2023 00:19

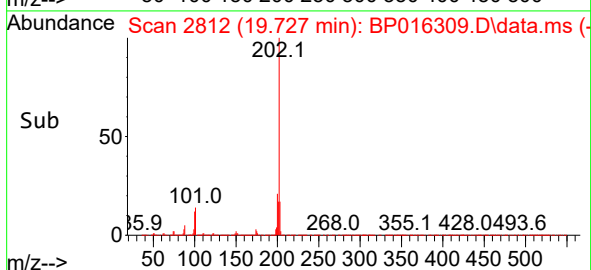
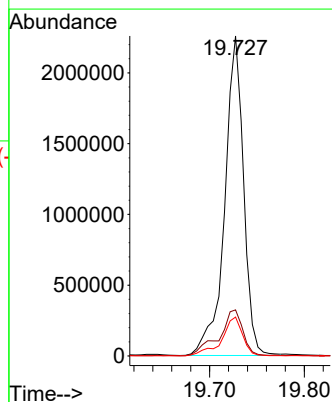
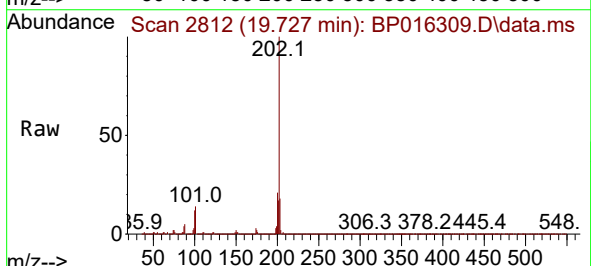
Tgt Ion:202 Resp: 3135433

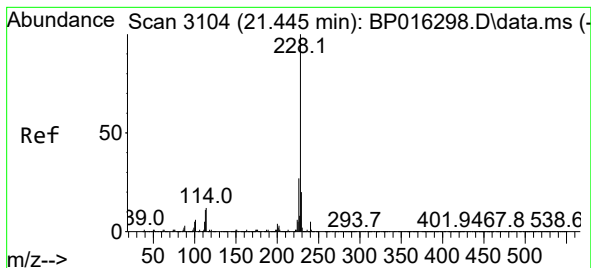
Ion Ratio Lower Upper

202 100

101 14.4 12.4 18.6

100 12.1 10.5 15.7





#85

Benzo(a)anthracene

Concen: 33.730 ng/ul

RT: 21.439 min Scan# 3104

Delta R.T. -0.006 min

Lab File: BP016309.D

Acq: 19 Jul 2023 00:19

Instrument :

BNA_M

ClientSampleId :

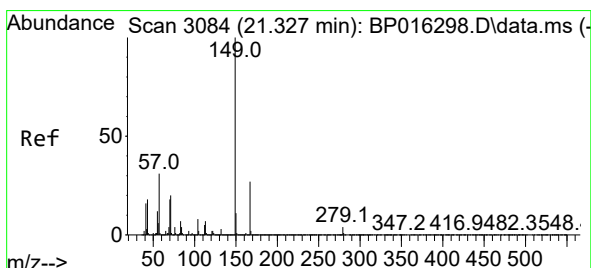
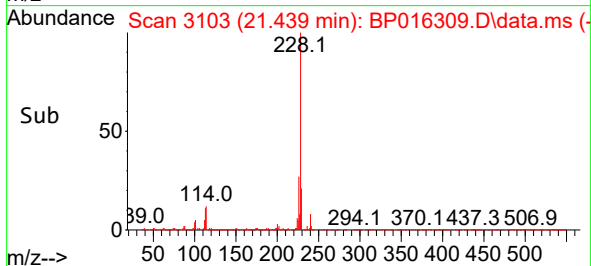
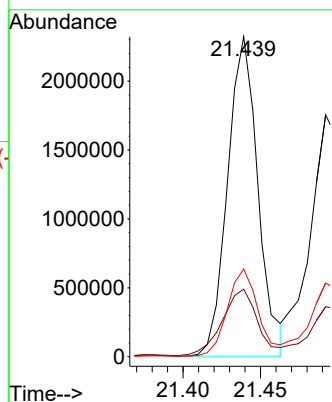
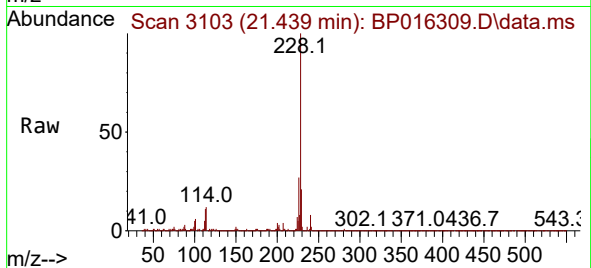
Tgt Ion:228 Resp: 3159642

Ion Ratio Lower Upper

228 100

229 21.1 15.5 23.3

226 27.4 21.5 32.3



#86

Bis(2-ethylhexyl)phthalate

Concen: 3.497 ng/ul

RT: 21.321 min Scan# 3083

Delta R.T. -0.006 min

Lab File: BP016309.D

Acq: 19 Jul 2023 00:19

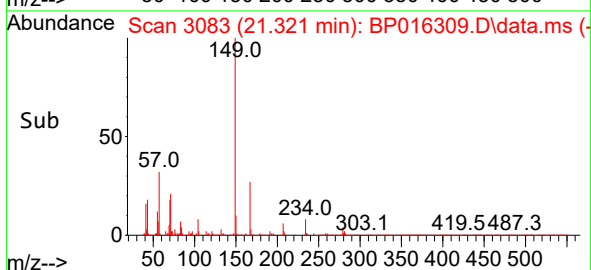
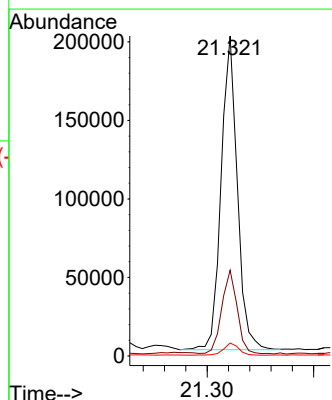
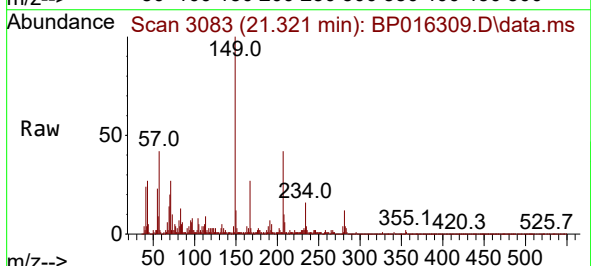
Tgt Ion:149 Resp: 209984

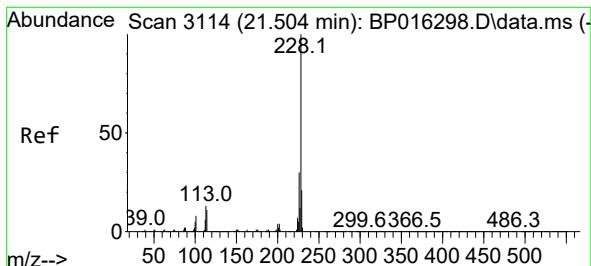
Ion Ratio Lower Upper

149 100

167 26.8 21.0 31.4

279 4.1 3.0 4.6





#87

Chrysene

Concen: 28.054 ng/ul

RT: 21.492 min Scan# 3114

Delta R.T. -0.012 min

Lab File: BP016309.D

Acq: 19 Jul 2023 00:19

Instrument :

BNA_M

ClientSampleId :

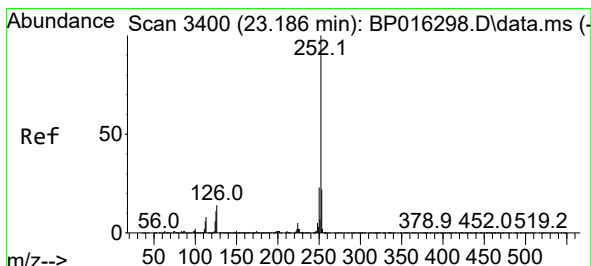
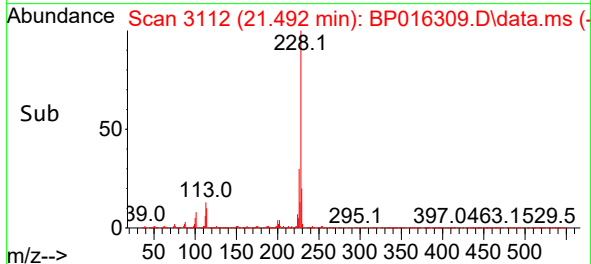
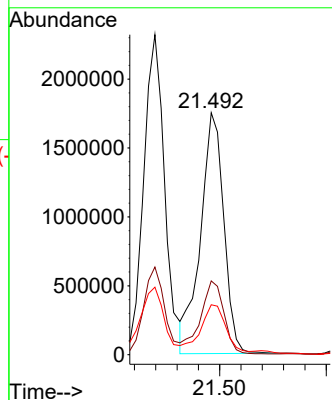
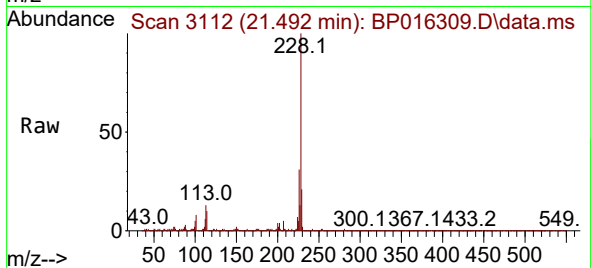
Tgt Ion:228 Resp: 2662177

Ion Ratio Lower Upper

228 100

226 30.5 24.0 36.0

229 20.6 15.5 23.3



#90

Benzo(b)fluoranthene

Concen: 33.130 ng/ul

RT: 23.180 min Scan# 3399

Delta R.T. -0.006 min

Lab File: BP016309.D

Acq: 19 Jul 2023 00:19

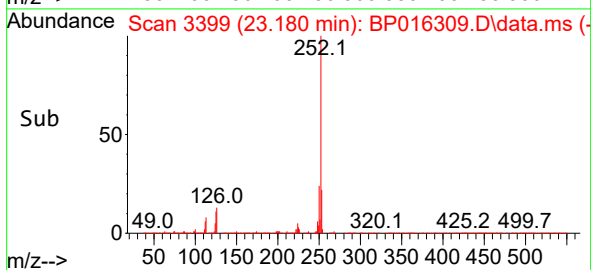
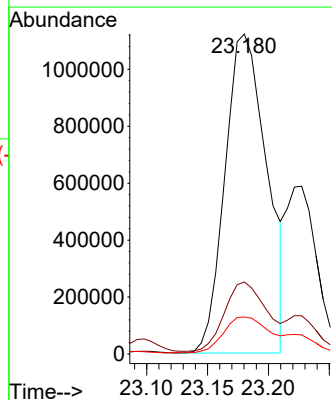
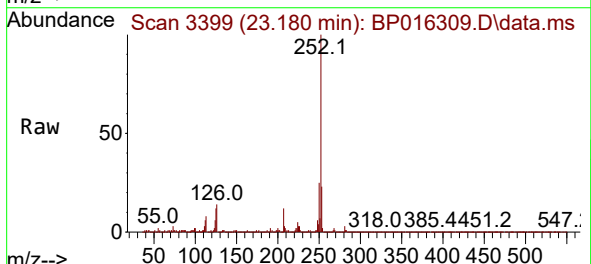
Tgt Ion:252 Resp: 2679797

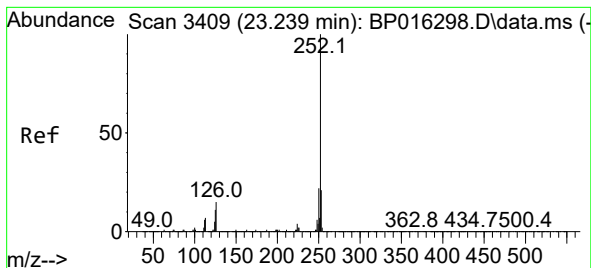
Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

125 11.6 9.4 14.0





#91

Benzo(k)fluoranthene

Concen: 12.215 ng/ul

RT: 23.227 min Scan# 34

Delta R.T. -0.012 min

Lab File: BP016309.D

Acq: 19 Jul 2023 00:19

Instrument :

BNA_M

ClientSampleId :

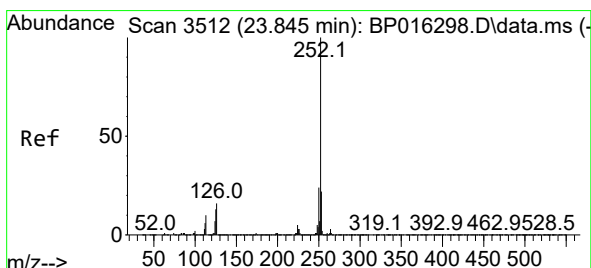
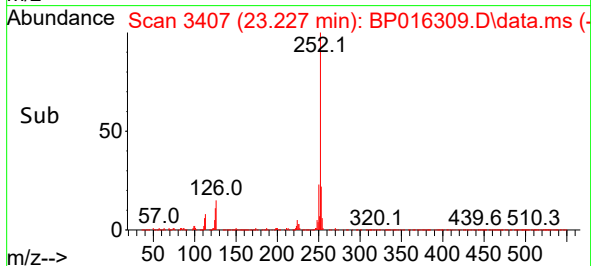
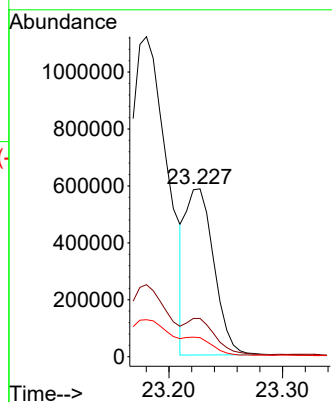
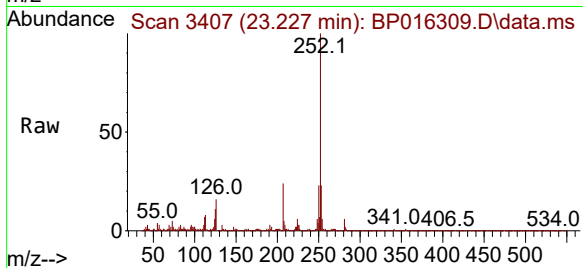
Tgt Ion:252 Resp: 1005438

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.2

125 11.4 9.3 13.9



#93

Benzo(a)pyrene

Concen: 4.883 ng/ul

RT: 23.833 min Scan# 3510

Delta R.T. -0.012 min

Lab File: BP016309.D

Acq: 19 Jul 2023 00:19

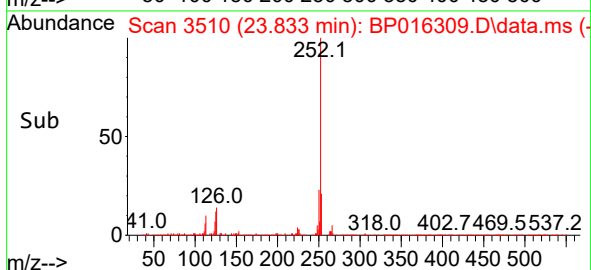
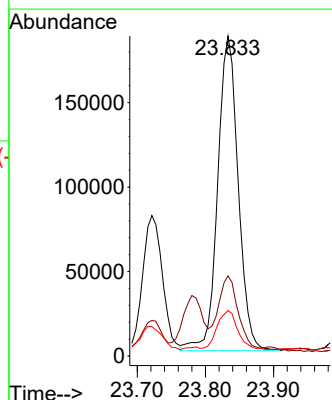
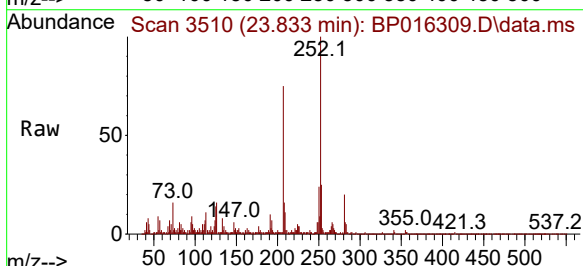
Tgt Ion:252 Resp: 391305

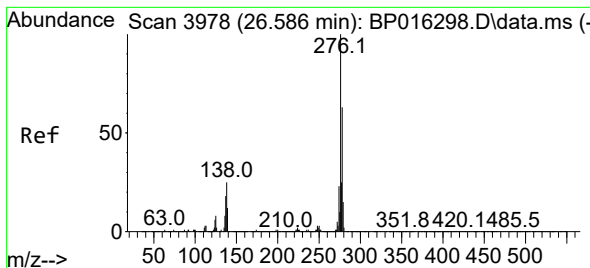
Ion Ratio Lower Upper

252 100

253 25.1 17.2 25.8

125 14.2 9.8 14.6





#94

Indeno(1,2,3-cd)pyrene

Concen: 4.054 ng/ul

RT: 26.574 min Scan# 3976

Delta R.T. -0.012 min

Lab File: BP016309.D

Acq: 19 Jul 2023 00:19

Instrument :

BNA_M

ClientSampleId :

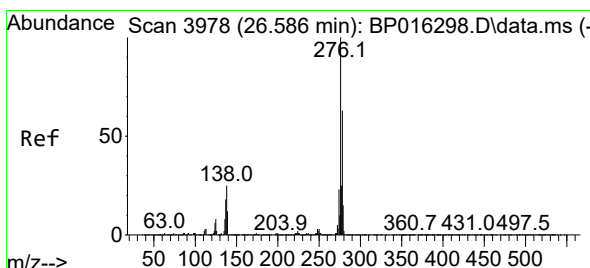
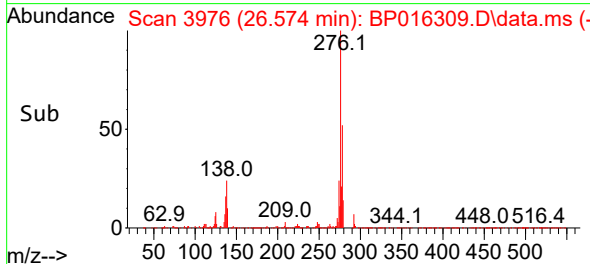
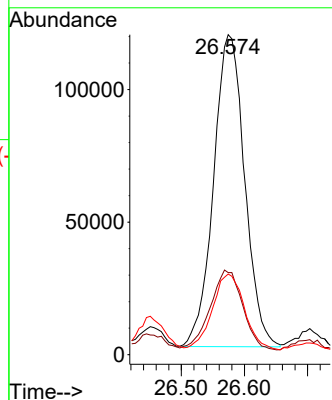
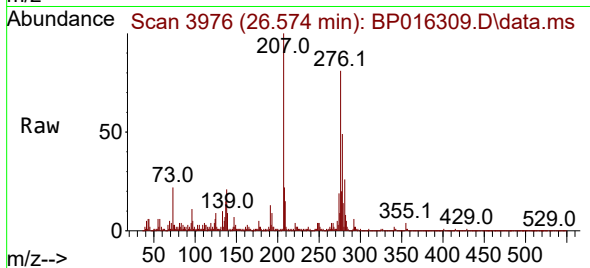
Tgt Ion:276 Resp: 402214

Ion Ratio Lower Upper

276 100

138 25.6 20.8 31.2

277 25.2 19.8 29.8



#95

Dibenzo(a,h)anthracene

Concen: 3.605 ng/ul

RT: 26.568 min Scan# 3975

Delta R.T. -0.018 min

Lab File: BP016309.D

Acq: 19 Jul 2023 00:19

Tgt Ion:278 Resp: 291764

Ion Ratio Lower Upper

278 100

139 17.9 13.9 20.9

279 26.6 18.2 27.4

