

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031323\
 Data File : BM038996.D
 Acq On : 13 Mar 2023 18:55
 Operator : CG/JU
 Sample : 01810-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCAF9

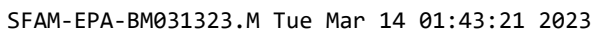
Quant Time: Mar 14 01:43:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM031323.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 13 16:25:27 2023
 Response via : Initial Calibration

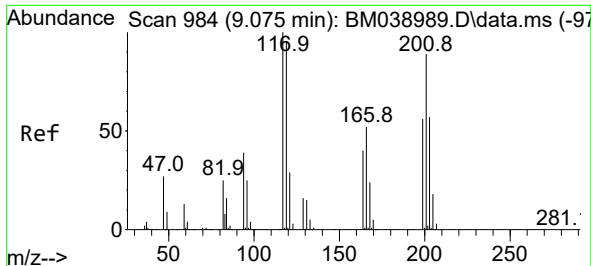
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.987	152	305650	20.000	ng/ul	0.00
20) Naphthalene-d8	10.804	136	1395623	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.628	164	922671	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.369	188	1978460	20.000	ng/ul	0.00
79) Chrysene-d12	21.551	240	1750809	20.000	ng/ul	0.00
88) Perylene-d12	23.998	264	1805353	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.370	96	37200	4.244	ng/uL	0.00
4) Pyridine-d5	3.799	84	480	0.019	ng/ul	0.00
7) Phenol-d5	7.140	99	144820	4.922	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.310	67	526890	27.709	ng/ul	0.00
11) 2-Chlorophenol-d4	7.510	132	442950	20.223	ng/ul	0.00
15) 4-Methylphenol-d8	8.693	113	288587	12.537	ng/ul	0.00
21) Nitrobenzene-d5	9.152	128	323535	27.730	ng/ul	0.00
24) 2-Nitrophenol-d4	9.881	143	311592	26.506	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.416	165	513137	23.846	ng/ul	0.00
31) 4-Chloroaniline-d4	10.940	131	205617	5.908	ng/ul	0.00
46) Dimethylphthalate-d6	14.039	166	2259162	32.327	ng/ul	0.00
49) Acenaphthylene-d8	14.322	160	2384951	29.384	ng/ul	0.00
54) 4-Nitrophenol-d4	14.810	143	66959	4.599	ng/ul	0.00
60) Fluorene-d10	15.616	176	1998148	32.769	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.728	200	325625	25.986	ng/ul	0.00
73) Anthracene-d10	17.469	188	3286486	34.453	ng/ul	0.00
81) Pyrene-d10	19.757	212	3663861	35.743	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.839	264	3300269	35.609	ng/ul	0.00
Target Compounds						Qvalue
19) Hexachloroethane	9.099	117	9746	1.021	ng/ul#	12
32) 4-Chloroaniline	10.875	127	5606218	160.052	ng/ul#	11
36) 2-Methylnaphthalene	12.457	142	2218194	43.285	ng/ul	99
37) 1-Methylnaphthalene	12.681	142	3863570	75.053	ng/ul	100
43) 1,1'-Biphenyl	13.463	154	1820946	24.834	ng/ul	99
50) Acenaphthylene	14.345	152	309332	3.427	ng/ul#	96
52) Acenaphthene	14.692	153	7245816	115.712	ng/ul	98
56) Dibenzofuran	15.028	168	6491731	75.524	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.163	232	69170	4.220	ng/ul	92
61) Fluorene	15.675	166	3963293	55.545	ng/ul	100
63) 4-Nitroaniline	15.675	138	45455	3.160	ng/ul#	20
66) 4,6-Dinitro-2-methylph...	15.739	198	41903	3.365	ng/ul#	97
71) Pentachlorophenol	17.016	266	81569	5.482	ng/ul	98
72) Phenanthrene	17.416	178	3252492	28.947	ng/ul	99
74) Anthracene	17.504	178	268728	2.356	ng/ul	99
77) Carbazole	17.780	167	12493906	122.008	ng/ul	97
80) Fluoranthene	19.421	202	292758	2.444	ng/ul	99
82) Pyrene	19.786	202	130861	1.024	ng/ul	97

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

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#19

Hexachloroethane

Concen: 1.021 ng/ul

RT: 9.099 min Scan# 91

Delta R.T. 0.024 min

Lab File: BM038996.D

Acq: 13 Mar 2023 18:55

Instrument :

BNA_M

ClientSampleId :

DCAF9

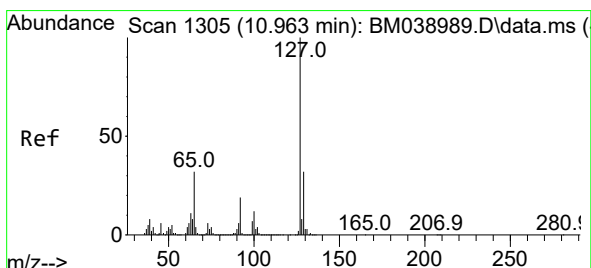
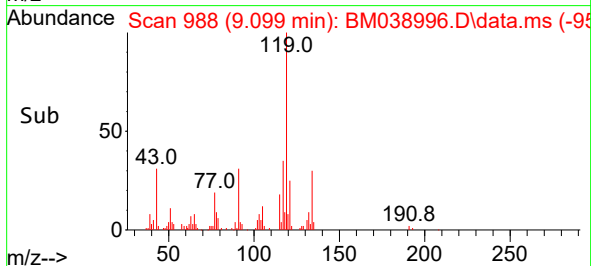
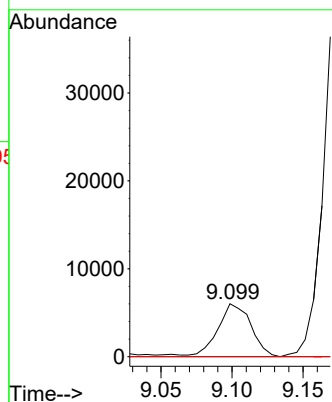
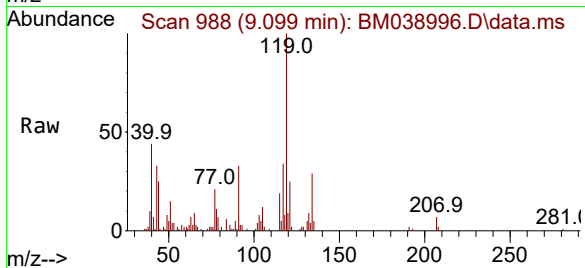
Tgt Ion:117 Resp: 9746

Ion Ratio Lower Upper

117 100

201 0.0 71.6 107.4#

199 0.0 45.1 67.7#



#32

4-Chloroaniline

Concen: 160.052 ng/ul

RT: 10.875 min Scan# 1290

Delta R.T. -0.088 min

Lab File: BM038996.D

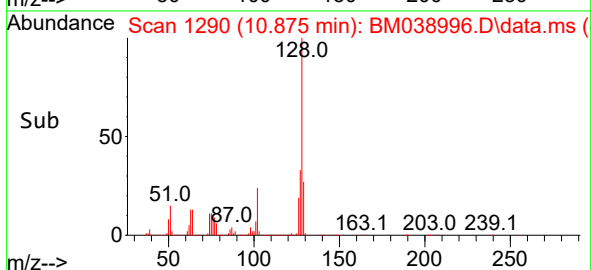
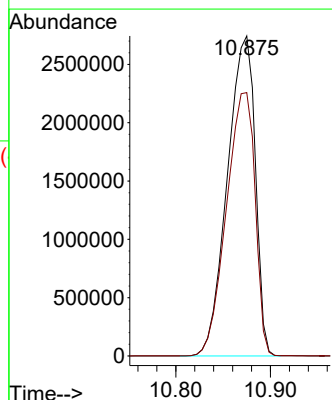
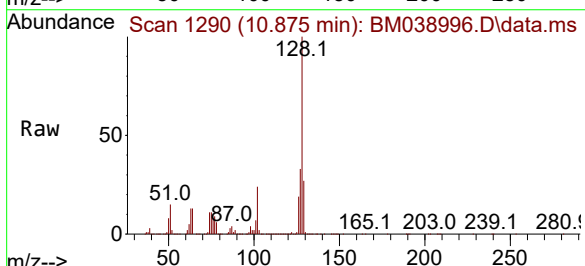
Acq: 13 Mar 2023 18:55

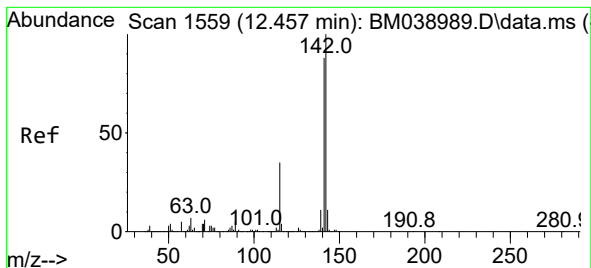
Tgt Ion:127 Resp: 5606218

Ion Ratio Lower Upper

127 100

129 82.3 25.9 38.9#

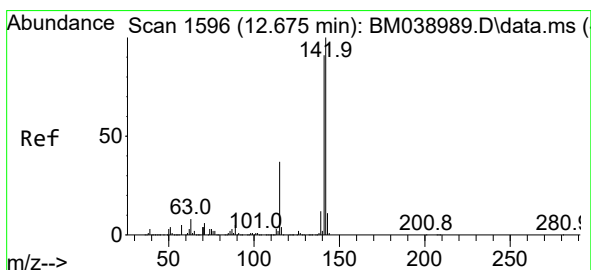
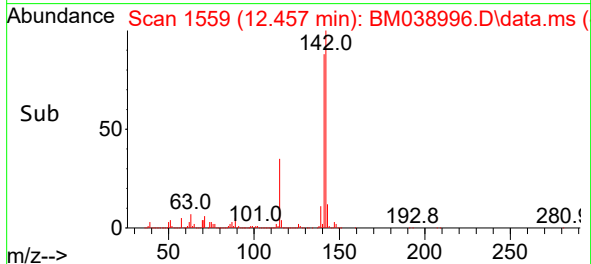
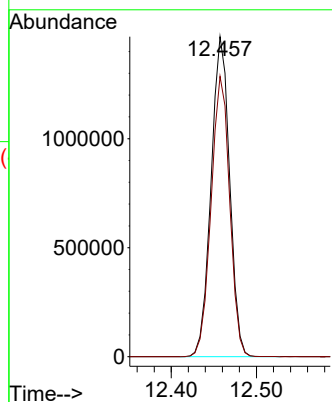
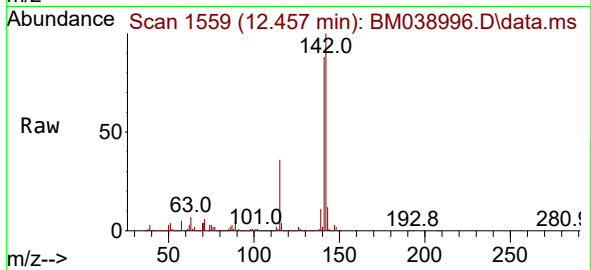




#36
2-Methylnaphthalene
Concen: 43.285 ng/ul
RT: 12.457 min Scan# 1559
Delta R.T. 0.000 min
Lab File: BM038996.D
Acq: 13 Mar 2023 18:55

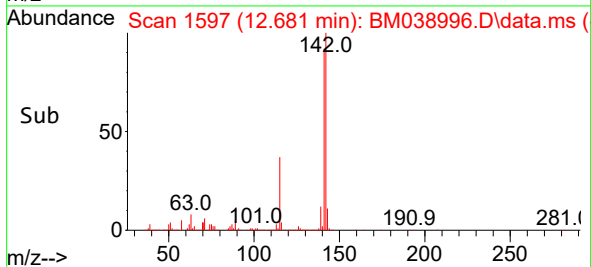
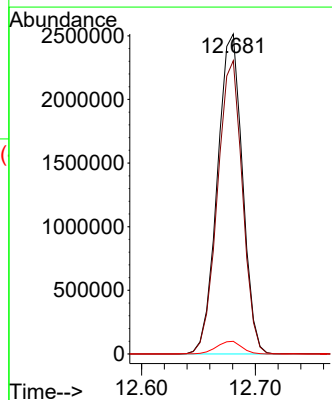
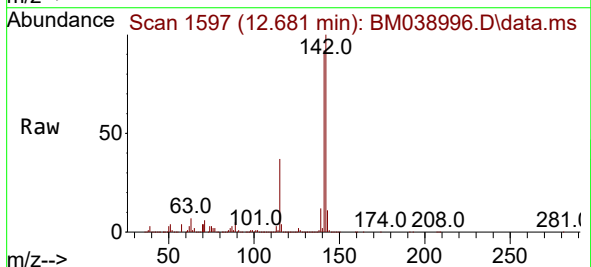
Instrument :
BNA_M
ClientSampleId :
DCAF9

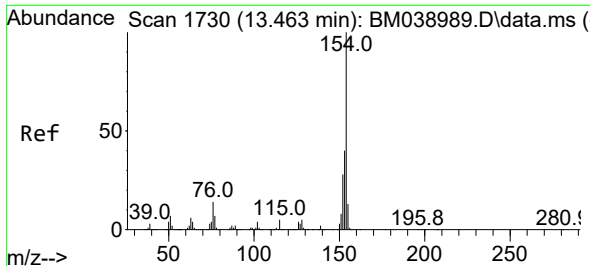
Tgt Ion:142 Resp: 2218194
Ion Ratio Lower Upper
142 100
141 87.6 70.7 106.1



#37
1-Methylnaphthalene
Concen: 75.053 ng/ul
RT: 12.681 min Scan# 1597
Delta R.T. 0.006 min
Lab File: BM038996.D
Acq: 13 Mar 2023 18:55

Tgt Ion:142 Resp: 3863570
Ion Ratio Lower Upper
142 100
141 91.7 73.1 109.7
116 3.9 3.0 4.6

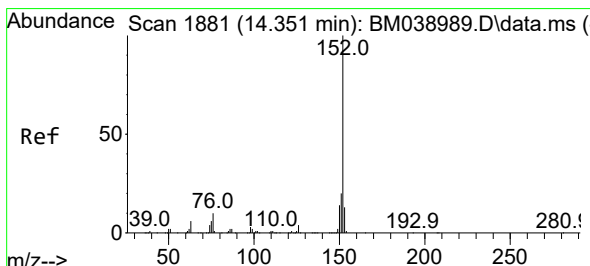
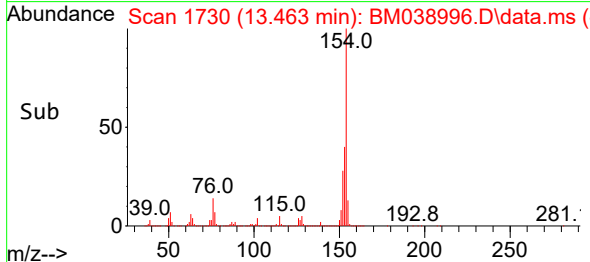
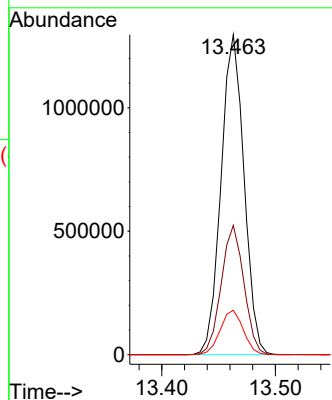
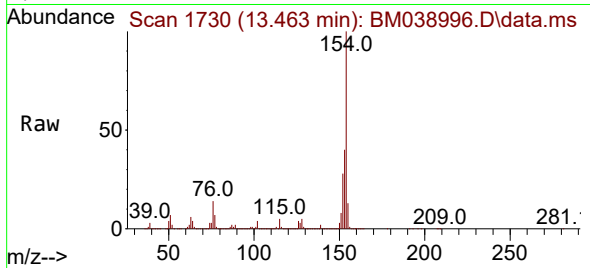




#43
1,1'-Biphenyl
Concen: 24.834 ng/ul
RT: 13.463 min Scan# 1730
Delta R.T. 0.000 min
Lab File: BM038996.D
Acq: 13 Mar 2023 18:55

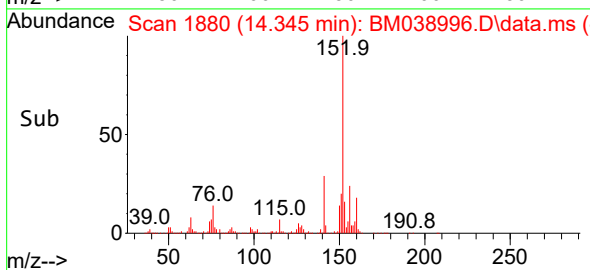
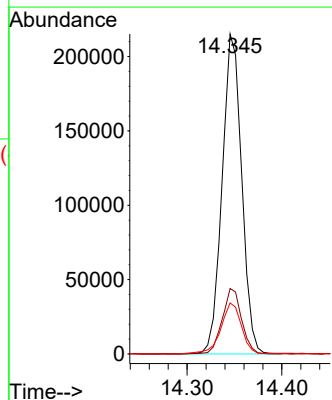
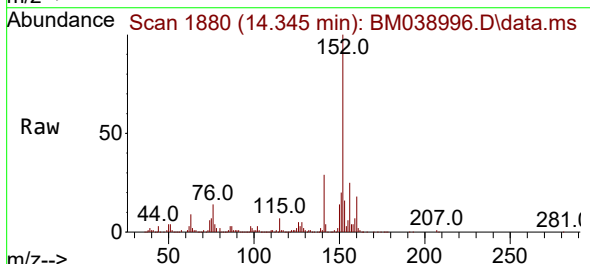
Instrument :
BNA_M
ClientSampleId :
DCAF9

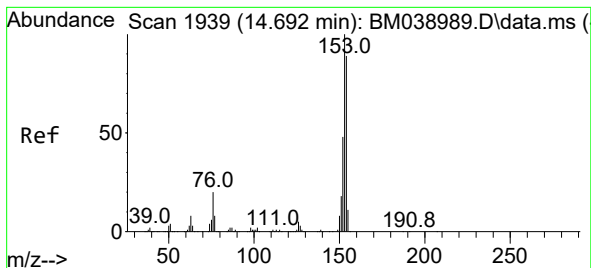
Tgt Ion:154 Resp: 1820946
Ion Ratio Lower Upper
154 100
153 40.4 32.0 48.0
76 13.9 11.5 17.3



#50
Acenaphthylene
Concen: 3.427 ng/ul
RT: 14.345 min Scan# 1880
Delta R.T. -0.006 min
Lab File: BM038996.D
Acq: 13 Mar 2023 18:55

Tgt Ion:152 Resp: 309332
Ion Ratio Lower Upper
152 100
151 20.4 15.6 23.4
153 15.9 10.2 15.4#





#52

Acenaphthene

Concen: 115.712 ng/ul

RT: 14.692 min Scan# 1939

Delta R.T. 0.000 min

Lab File: BM038996.D

Acq: 13 Mar 2023 18:55

Instrument :

BNA_M

ClientSampleId :

DCAF9

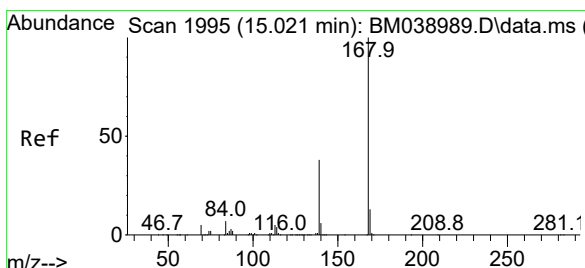
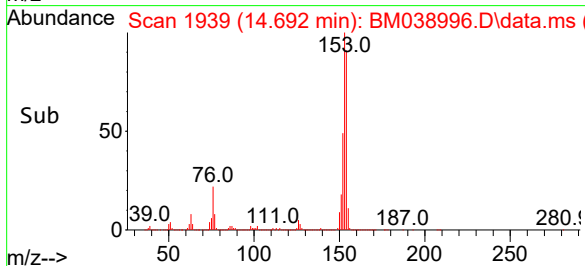
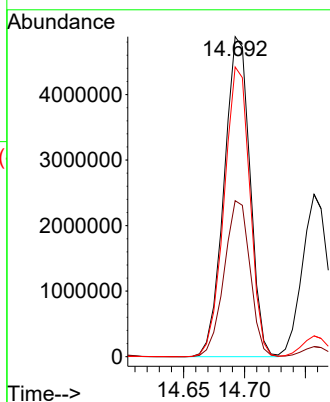
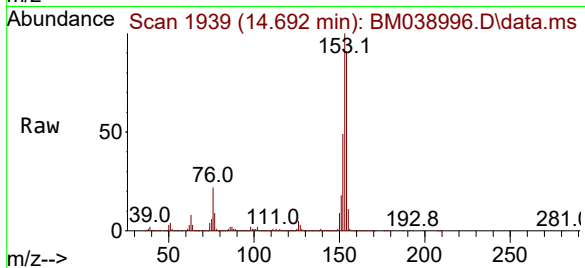
Tgt Ion:153 Resp: 7245816

Ion Ratio Lower Upper

153 100

152 48.8 38.1 57.1

154 90.6 71.4 107.0



#56

Dibenzofuran

Concen: 75.524 ng/ul

RT: 15.028 min Scan# 1996

Delta R.T. 0.006 min

Lab File: BM038996.D

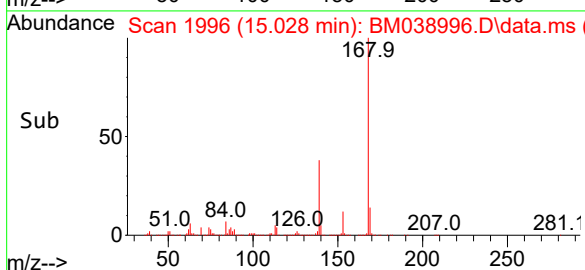
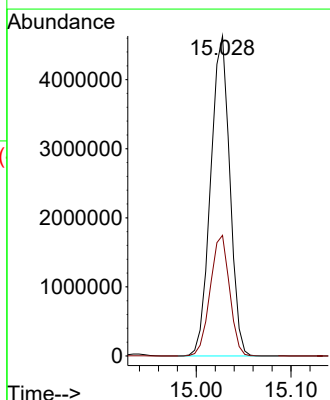
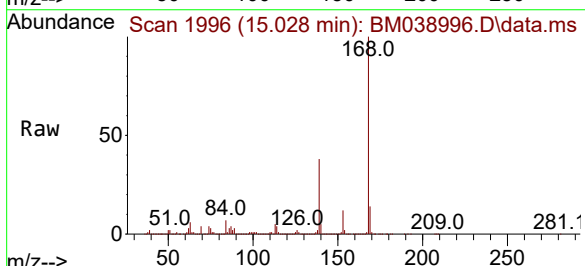
Acq: 13 Mar 2023 18:55

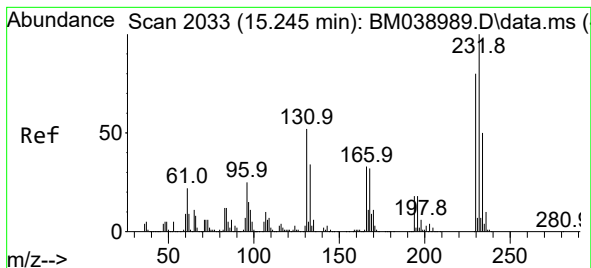
Tgt Ion:168 Resp: 6491731

Ion Ratio Lower Upper

168 100

139 37.7 30.7 46.1

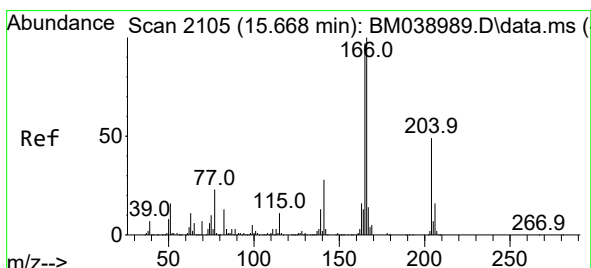
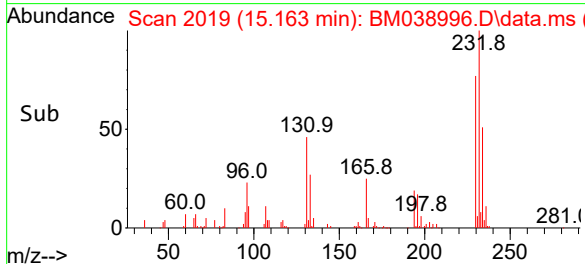
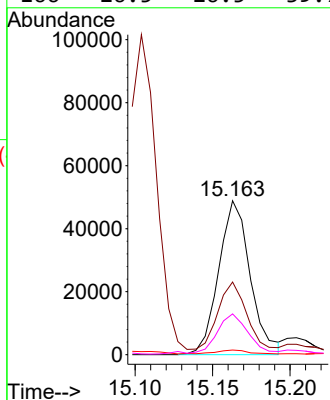
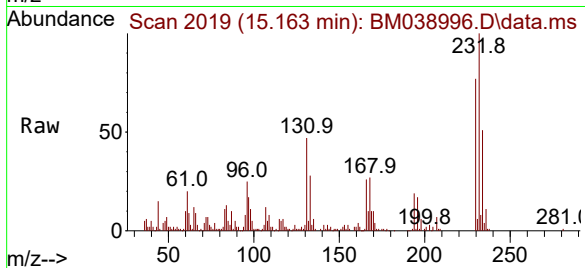




#58
2,3,4,6-Tetrachlorophenol
Concen: 4.220 ng/ul
RT: 15.163 min Scan# 2033
Delta R.T. -0.082 min
Lab File: BM038996.D
Acq: 13 Mar 2023 18:55

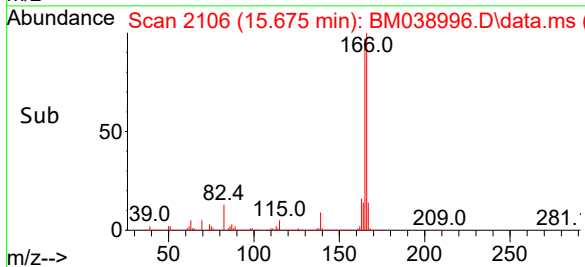
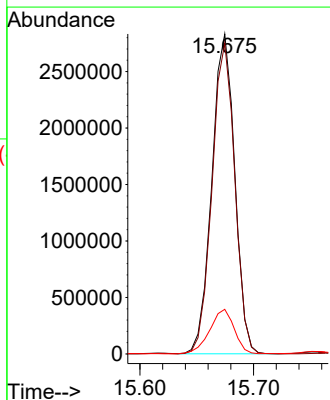
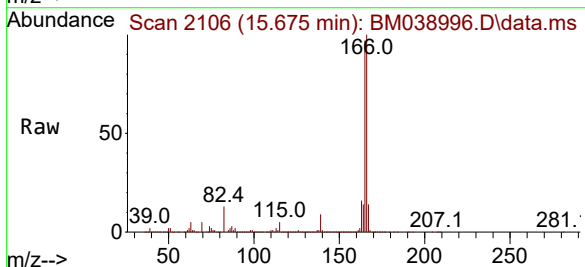
Instrument :
BNA_M
ClientSampleId :
DCAF9

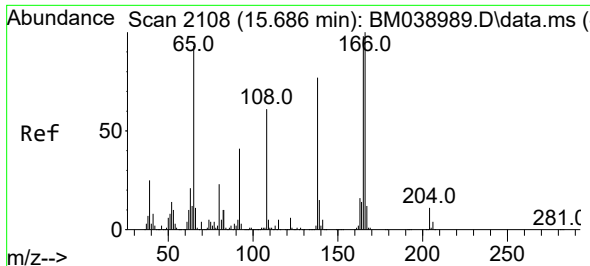
Tgt Ion:232	Resp:	69170
Ion Ratio	Lower	Upper
232	100	
131	47.2	41.3 61.9
130	3.1	2.2 3.4
166	26.5	26.5 39.7



#61
Fluorene
Concen: 55.545 ng/ul
RT: 15.675 min Scan# 2106
Delta R.T. 0.006 min
Lab File: BM038996.D
Acq: 13 Mar 2023 18:55

Tgt Ion:166	Resp:	3963293
Ion Ratio	Lower	Upper
166	100	
165	97.1	77.5 116.3
167	14.0	11.0 16.6

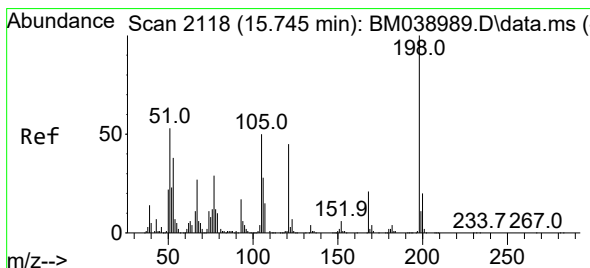
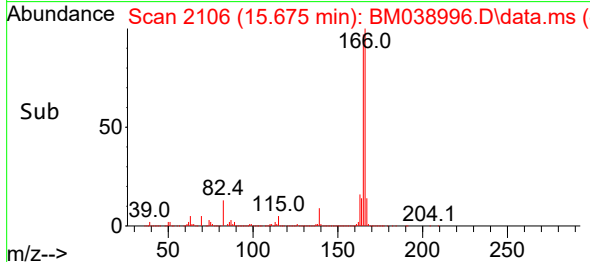
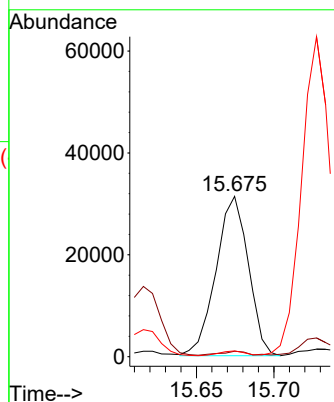
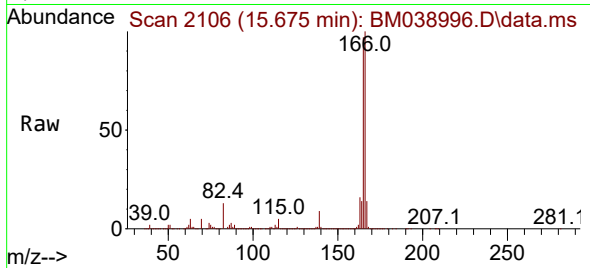




#63
4-Nitroaniline
Concen: 3.160 ng/ul
RT: 15.675 min Scan# 2106
Delta R.T. -0.011 min
Lab File: BM038996.D
Acq: 13 Mar 2023 18:55

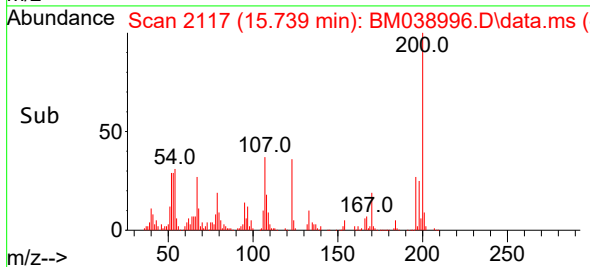
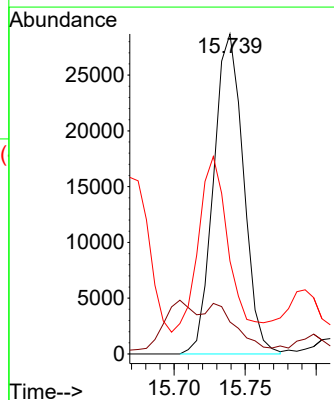
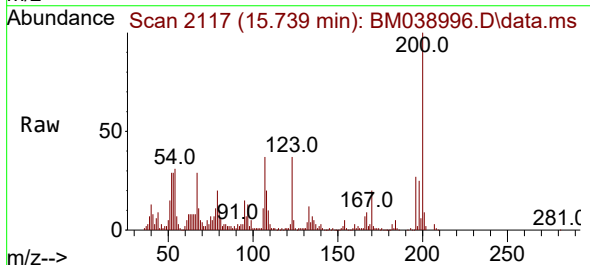
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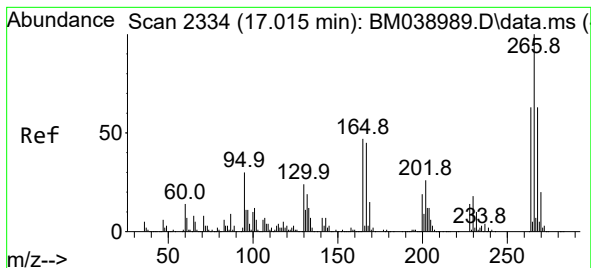
Tgt Ion:138 Resp: 45455
Ion Ratio Lower Upper
138 100
92 3.3 42.7 64.1#
108 3.6 63.5 95.3#



#66
4,6-Dinitro-2-methylphenol
Concen: 3.365 ng/ul
RT: 15.739 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BM038996.D
Acq: 13 Mar 2023 18:55

Tgt Ion:198 Resp: 41903
Ion Ratio Lower Upper
198 100
182 10.0 3.6 5.4#
77 29.1 23.7 35.5





#71

Pentachlorophenol

Concen: 5.482 ng/ul

RT: 17.016 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM038996.D

Acq: 13 Mar 2023 18:55

Instrument :

BNA_M

ClientSampleId :

DCAF9

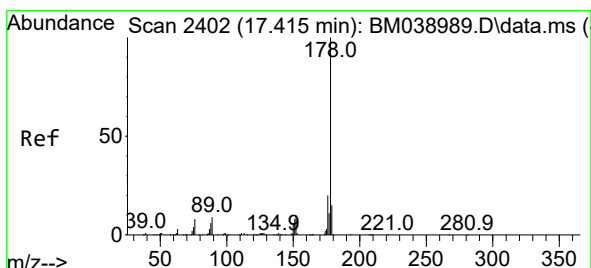
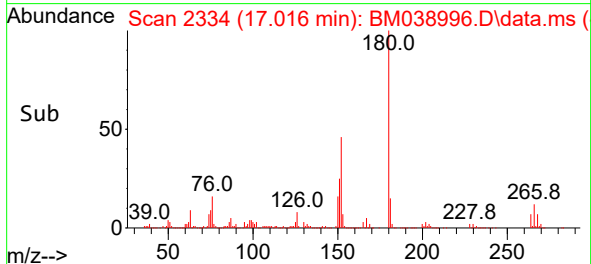
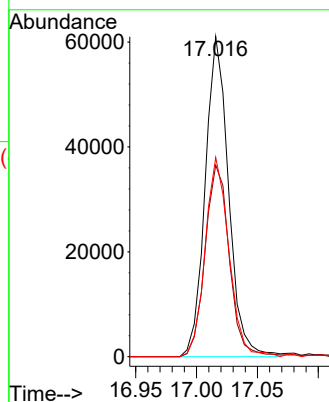
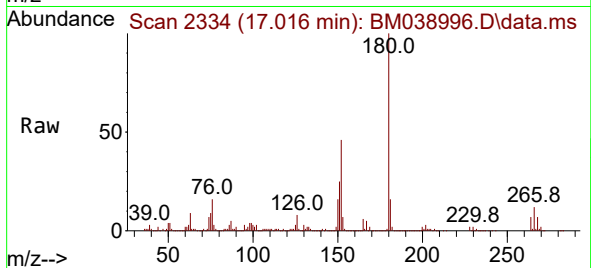
Tgt Ion:266 Resp: 81569

Ion Ratio Lower Upper

266 100

264 59.9 50.0 75.0

268 62.2 50.5 75.7



#72

Phenanthrene

Concen: 28.947 ng/ul

RT: 17.416 min Scan# 2402

Delta R.T. 0.000 min

Lab File: BM038996.D

Acq: 13 Mar 2023 18:55

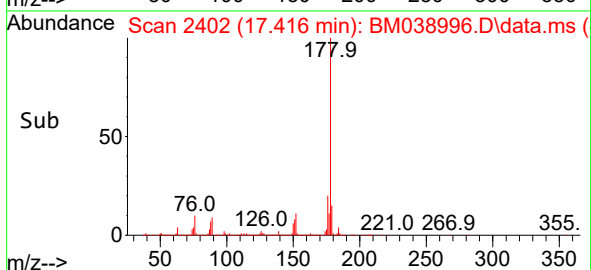
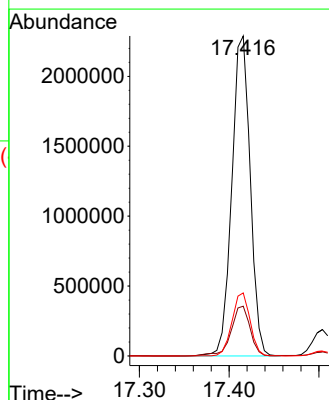
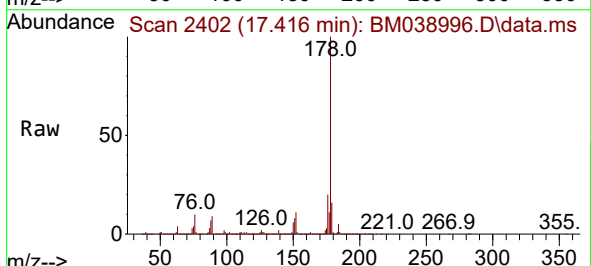
Tgt Ion:178 Resp: 3252492

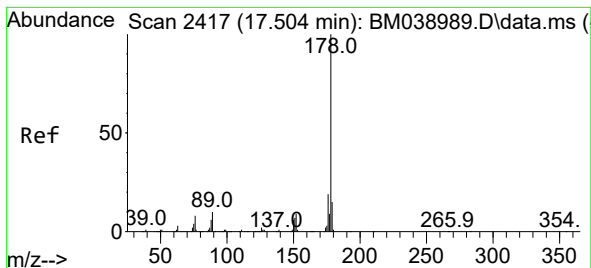
Ion Ratio Lower Upper

178 100

179 15.6 12.1 18.1

176 19.7 15.7 23.5





#74

Anthracene

Concen: 2.356 ng/ul

RT: 17.504 min Scan# 2417

Delta R.T. 0.000 min

Lab File: BM038996.D

Acq: 13 Mar 2023 18:55

Instrument :

BNA_M

ClientSampleId :

DCAF9

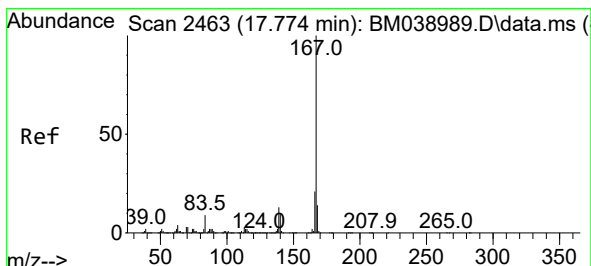
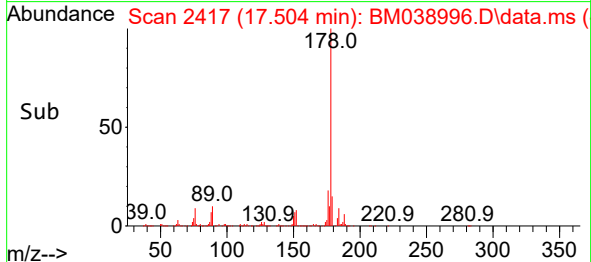
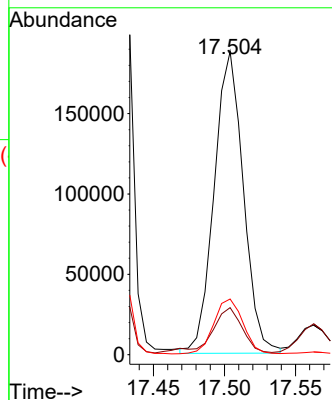
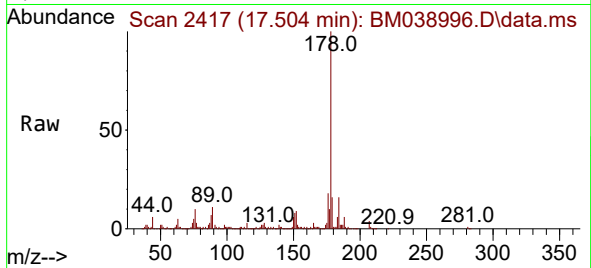
Tgt Ion:178 Resp: 268728

Ion Ratio Lower Upper

178 100

179 15.5 12.4 18.6

176 18.4 15.2 22.8



#77

Carbazole

Concen: 122.008 ng/ul

RT: 17.780 min Scan# 2464

Delta R.T. 0.006 min

Lab File: BM038996.D

Acq: 13 Mar 2023 18:55

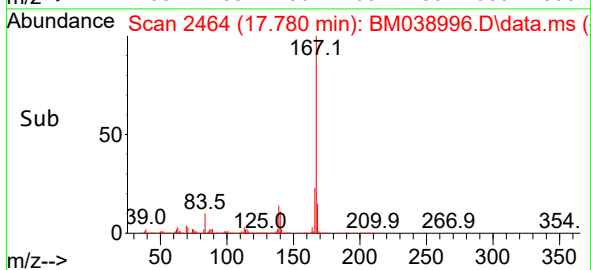
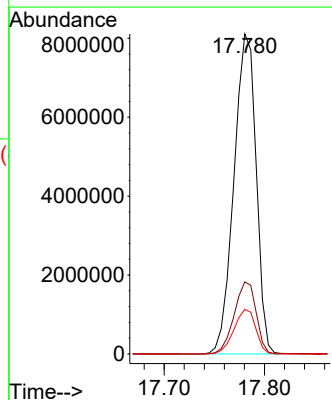
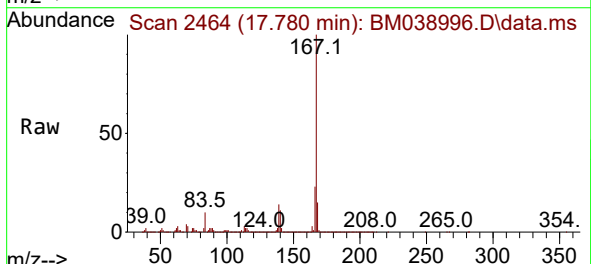
Tgt Ion:167 Resp:12493906

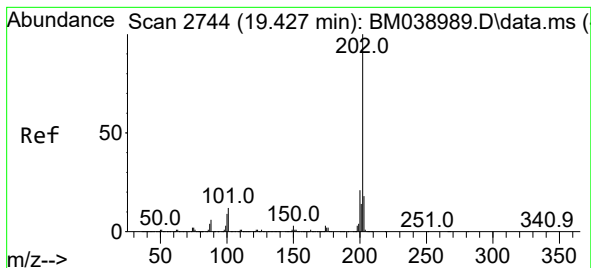
Ion Ratio Lower Upper

167 100

166 22.6 17.0 25.4

139 14.0 10.4 15.6





#80

Fluoranthene

Concen: 2.444 ng/ul

RT: 19.421 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038996.D

Acq: 13 Mar 2023 18:55

Instrument :

BNA_M

ClientSampleId :

DCAF9

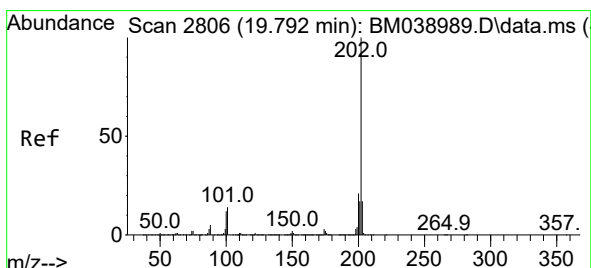
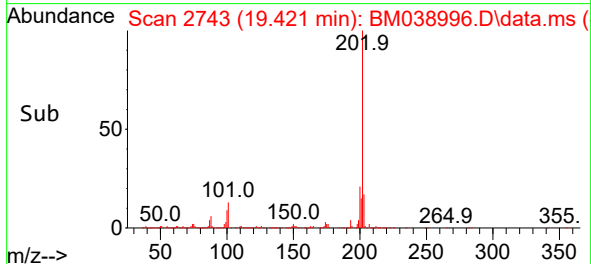
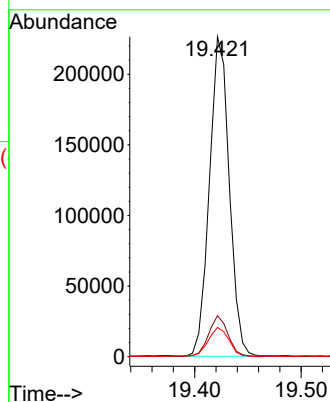
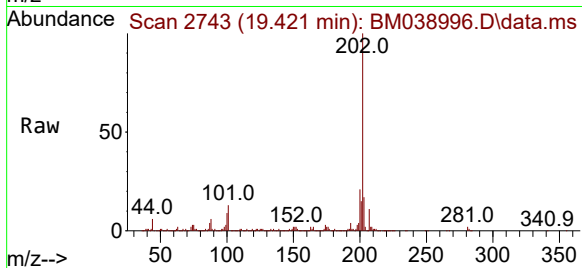
Tgt Ion:202 Resp: 292758

Ion Ratio Lower Upper

202 100

101 12.8 9.9 14.9

100 9.1 7.4 11.2



#82

Pyrene

Concen: 1.024 ng/ul

RT: 19.786 min Scan# 2805

Delta R.T. -0.006 min

Lab File: BM038996.D

Acq: 13 Mar 2023 18:55

Tgt Ion:202 Resp: 130861

Ion Ratio Lower Upper

202 100

101 13.7 11.4 17.2

100 13.6 9.3 13.9

