

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061324\
 Data File : BM046009.D
 Acq On : 12 Jun 2024 23:16
 Operator : MA/JU
 Sample : P2659-13
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BHC34

Quant Time: Jun 13 01:20:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM053124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 11 16:01:34 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.434	152	142663	20.000	ng/u1	0.00
20) Naphthalene-d8	10.198	136	602411	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.080	164	378697	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.821	188	787088	20.000	ng/u1	0.00
79) Chrysene-d12	21.039	240	619963	20.000	ng/u1	0.00
88) Perylene-d12	23.738	264	613111	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.040	96	14993	4.075	ng/uL	0.00
4) Pyridine-d5	3.457	84	60992	6.437	ng/u1	0.00
7) Phenol-d5	6.692	99	356113	29.383	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.798	67	252096	28.967	ng/u1	0.00
11) 2-Chlorophenol-d4	6.998	132	282397	31.194	ng/u1	0.00
15) 4-Methylphenol-d8	8.204	113	235637	25.735	ng/u1	0.00
21) Nitrobenzene-d5	8.598	128	143062	30.374	ng/u1	0.00
24) 2-Nitrophenol-d4	9.310	143	155730	32.669	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.863	165	269961	30.200	ng/u1	0.00
31) 4-Chloroaniline-d4	10.392	131	123749	10.003	ng/u1	0.00
46) Dimethylphthalate-d6	13.527	166	810381	30.910	ng/u1	0.00
49) Acenaphthylene-d8	13.768	160	948279	31.148	ng/u1	0.00
54) 4-Nitrophenol-d4	14.380	143	123517	21.830	ng/u1	0.00
60) Fluorene-d10	15.080	176	696883	31.158	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.221	200	74385	18.507	ng/u1	0.00
73) Anthracene-d10	16.921	188	1088206	31.803	ng/u1	0.00
81) Pyrene-d10	19.227	212	1119918	29.047	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.556	264	658156	22.968	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.281	105	24714	1.620	ng/u1	91
30) Naphthalene	10.245	128	32170	1.001	ng/u1	98
36) 2-Methylnaphthalene	11.874	142	22769	1.070	ng/u1	90
50) Acenaphthylene	13.798	152	181479	5.151	ng/u1	97
52) Acenaphthene	14.145	153	25023	1.064	ng/u1	99
61) Fluorene	15.133	166	45502	1.781	ng/u1	99
72) Phenanthrene	16.868	178	1216329	29.328	ng/u1	99
74) Anthracene	16.957	178	241369	5.827	ng/u1	99
77) Carbazole	17.251	167	88900	2.515	ng/u1	98
80) Fluoranthene	18.892	202	3136008	67.095	ng/u1	100
82) Pyrene	19.256	202	2386498	49.696	ng/u1	98
83) Butylbenzylphthalate	20.180	149	93592	4.782	ng/u1	87
85) Benzo(a)anthracene	21.021	228	1214692	28.376	ng/u1	96
86) Bis(2-ethylhexyl)phtha...	20.968	149	544094	18.712	ng/u1	98
87) Chrysene	21.080	228	1285372	32.459	ng/u1	98
90) Benzo(b)fluoranthene	22.903	252	1535105	40.742	ng/u1	99
91) Benzo(k)fluoranthene	22.903	252	1535105	41.713	ng/u1	97
93) Benzo(a)pyrene	23.615	252	647352	19.552	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.721	276	581748	16.089	ng/u1	99
95) Dibenzo(a,h)anthracene	26.750	278	181567	6.349	ng/u1#	92
96) Benzo(g,h,i)perylene	27.644	276	77720	2.441	ng/u1#	85

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

Instrument :

BNA_M

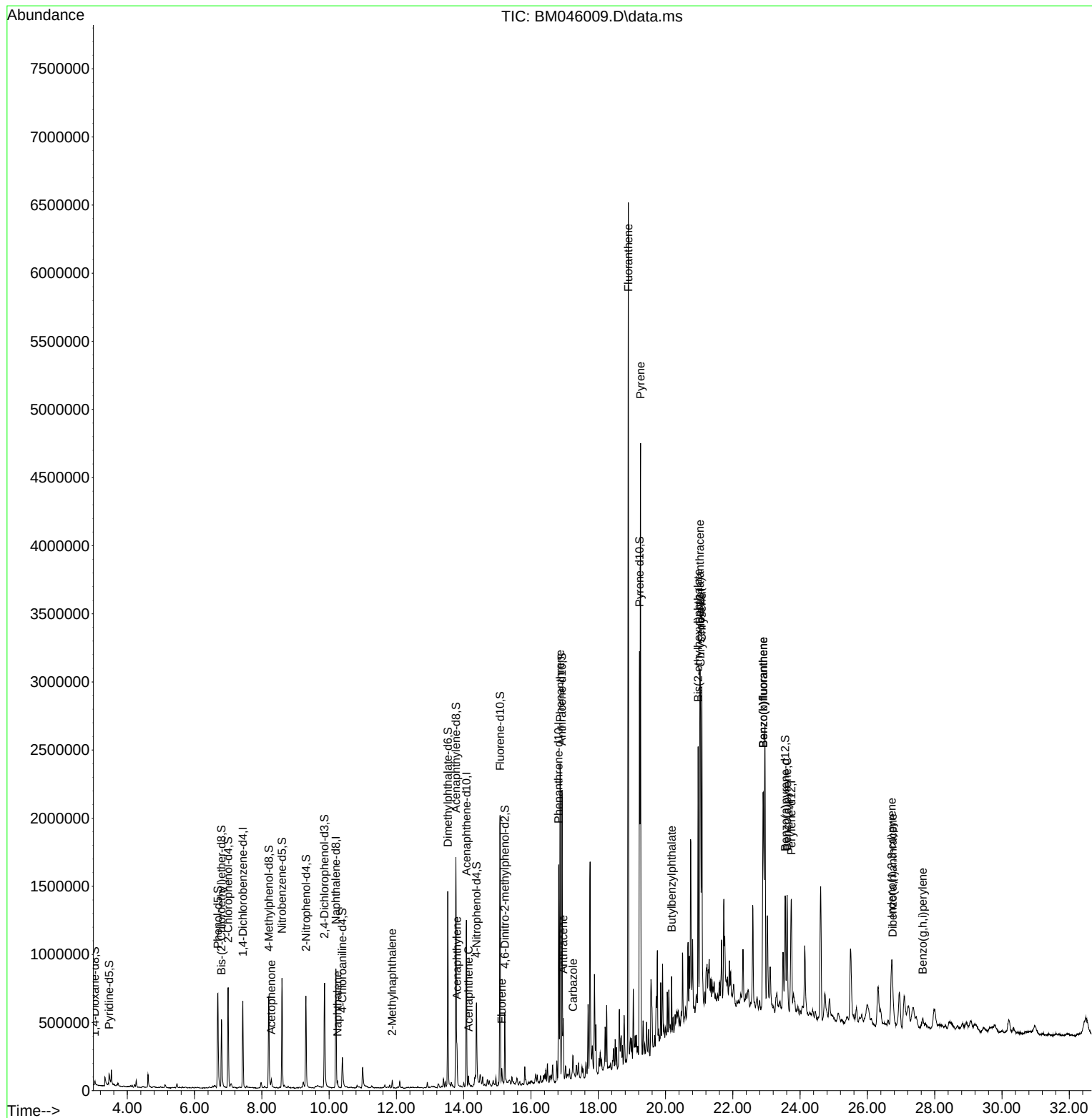
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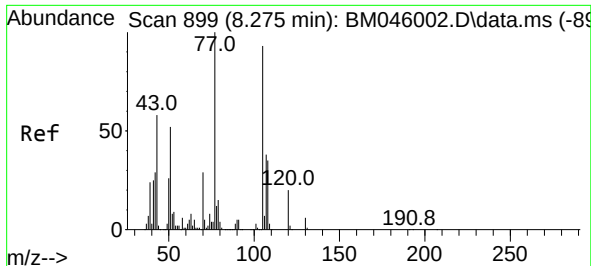
BHC34

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QLast Update : Tue Jun 11 16:01:34 2024
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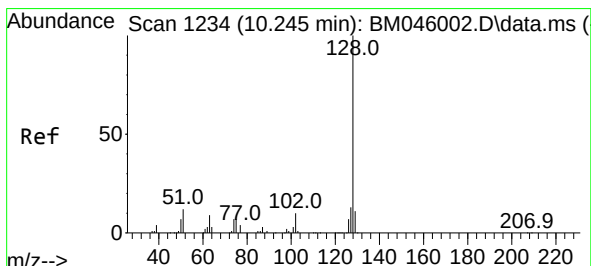
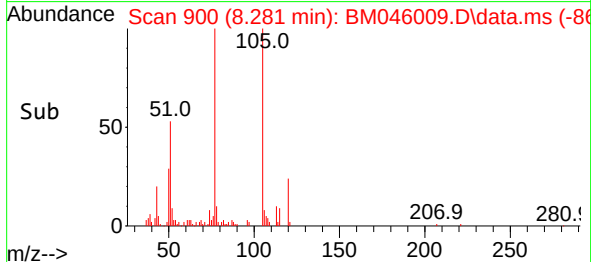
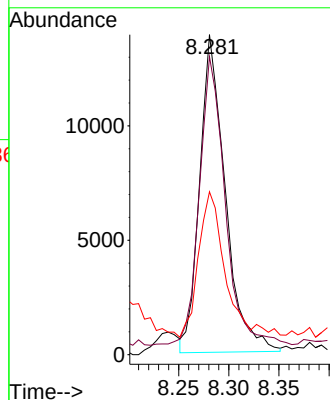
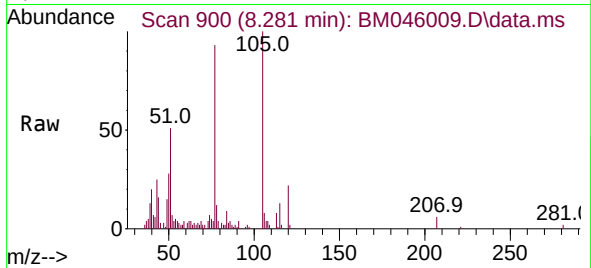




#16
Acetophenone
Concen: 1.620 ng/ul
RT: 8.281 min Scan# 900
Delta R.T. 0.006 min
Lab File: BM046009.D
Acq: 12 Jun 2024 23:16

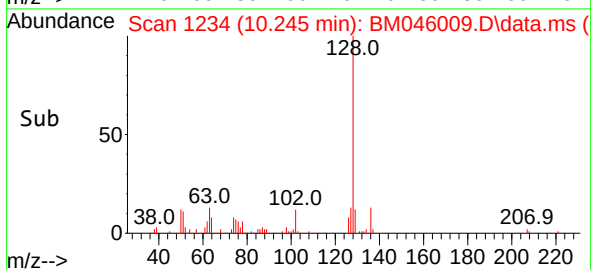
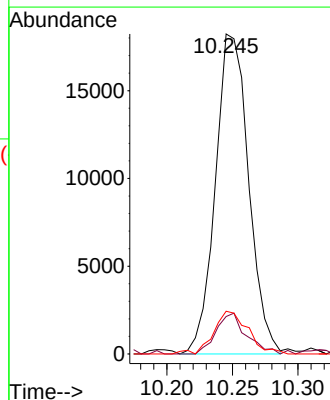
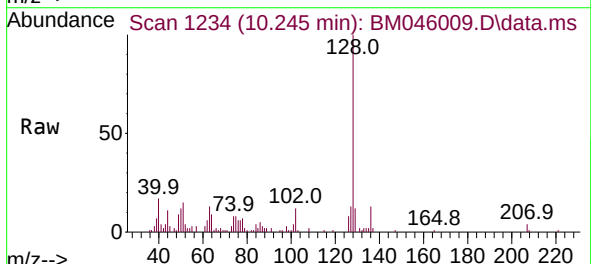
Instrument :
BNA_M
ClientSampleId :
BHC34

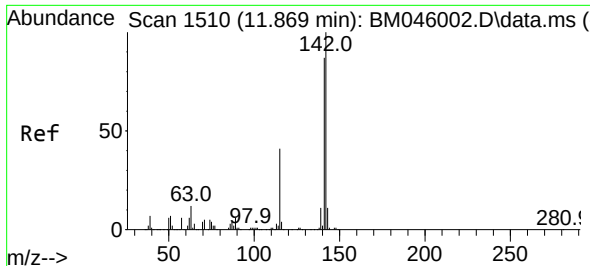
Tgt Ion:105 Resp: 24714
Ion Ratio Lower Upper
105 100
77 93.2 84.7 127.1
51 50.9 39.4 59.0



#30
Naphthalene
Concen: 1.001 ng/ul
RT: 10.245 min Scan# 1234
Delta R.T. -0.006 min
Lab File: BM046009.D
Acq: 12 Jun 2024 23:16

Tgt Ion:128 Resp: 32170
Ion Ratio Lower Upper
128 100
129 11.7 8.3 12.5
127 13.4 10.3 15.5

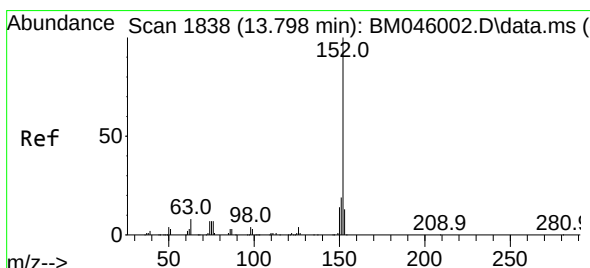
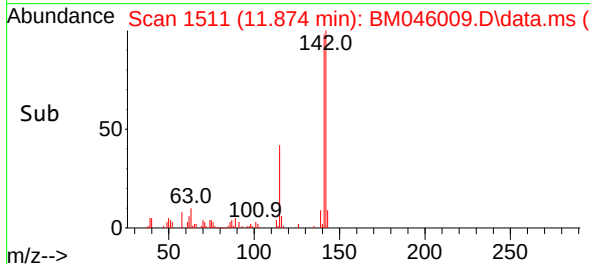
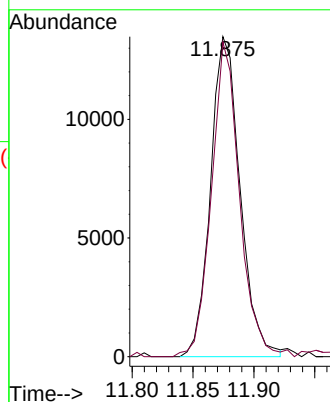
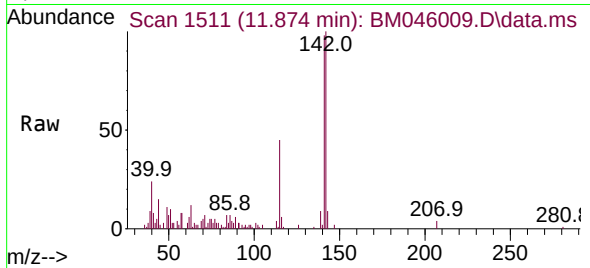




#36
2-Methylnaphthalene
Concen: 1.070 ng/ul
RT: 11.874 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM046009.D
Acq: 12 Jun 2024 23:16

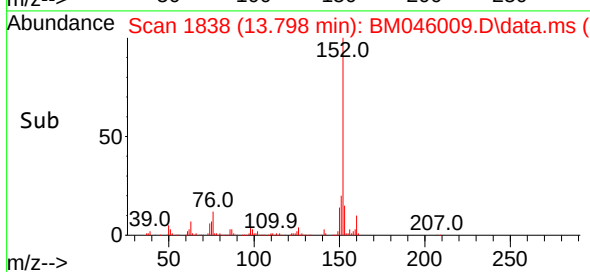
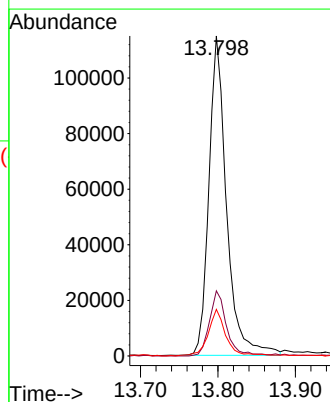
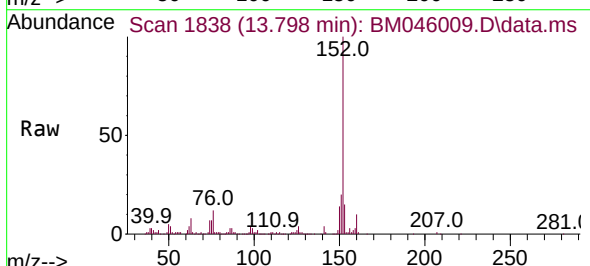
Instrument :
BNA_M
ClientSampleId :
BHC34

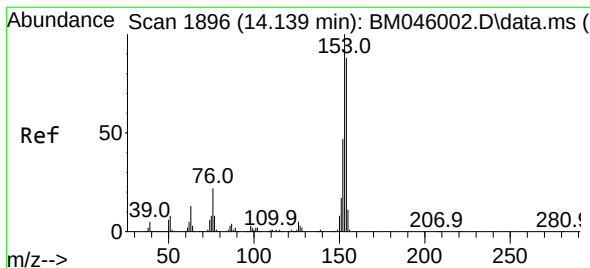
Tgt Ion:142 Resp: 22769
Ion Ratio Lower Upper
142 100
141 98.3 71.1 106.7



#50
Acenaphthylene
Concen: 5.151 ng/ul
RT: 13.798 min Scan# 1838
Delta R.T. -0.000 min
Lab File: BM046009.D
Acq: 12 Jun 2024 23:16

Tgt Ion:152 Resp: 181479
Ion Ratio Lower Upper
152 100
151 20.4 15.6 23.4
153 14.6 10.4 15.6





#52

Acenaphthene

Concen: 1.064 ng/ul

RT: 14.145 min Scan# 1897

Delta R.T. -0.000 min

Lab File: BM046009.D

Acq: 12 Jun 2024 23:16

Instrument :

BNA_M

ClientSampleId :

BHC34

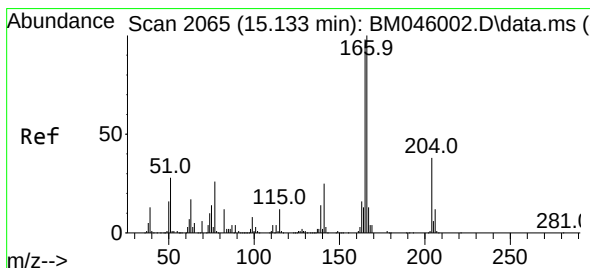
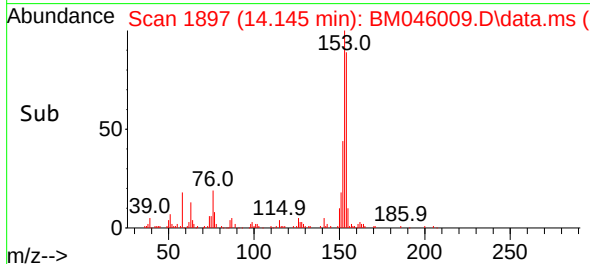
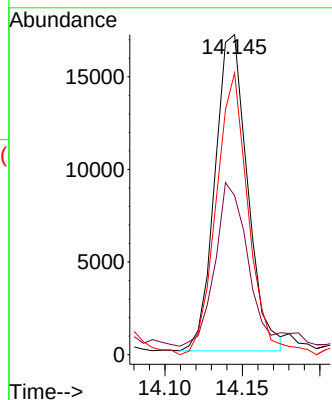
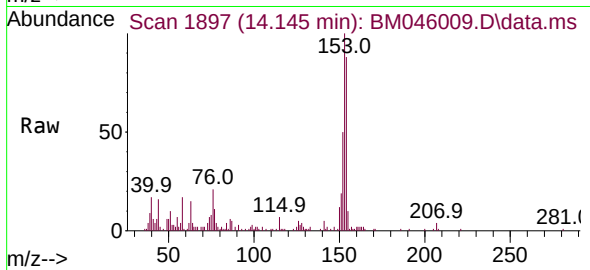
Tgt Ion:153 Resp: 25023

Ion Ratio Lower Upper

153 100

152 49.7 38.6 58.0

154 88.1 70.7 106.1



#61

Fluorene

Concen: 1.781 ng/ul

RT: 15.133 min Scan# 2065

Delta R.T. -0.000 min

Lab File: BM046009.D

Acq: 12 Jun 2024 23:16

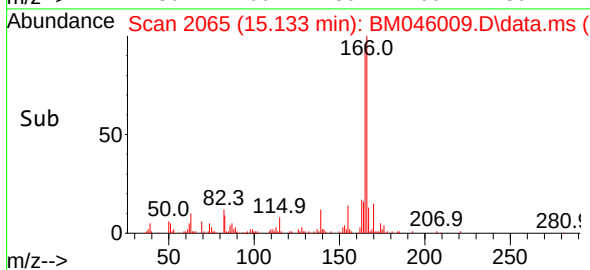
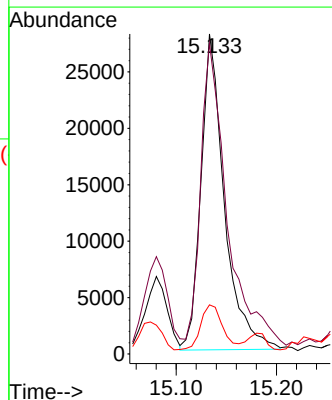
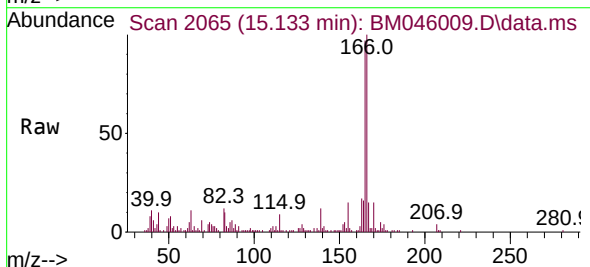
Tgt Ion:166 Resp: 45502

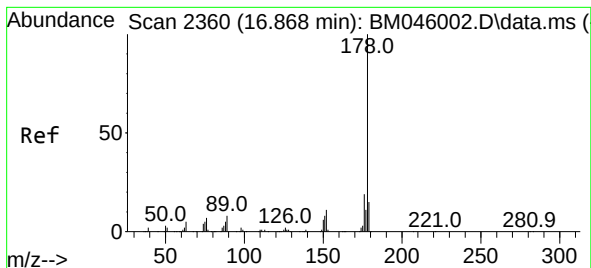
Ion Ratio Lower Upper

166 100

165 97.1 78.1 117.1

167 15.3 10.6 16.0





#72

Phenanthrene

Concen: 29.328 ng/ul

RT: 16.868 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM046009.D

Acq: 12 Jun 2024 23:16

Instrument :

BNA_M

ClientSampleId :

BHC34

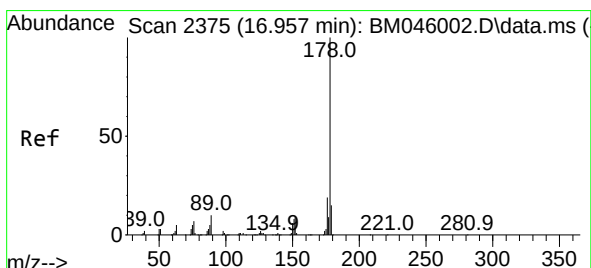
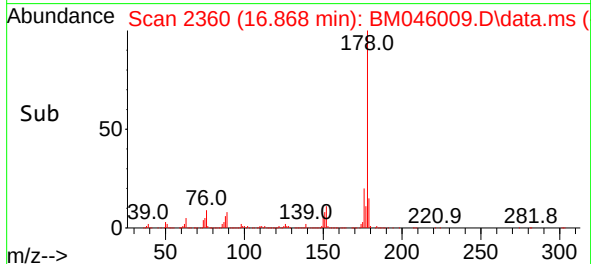
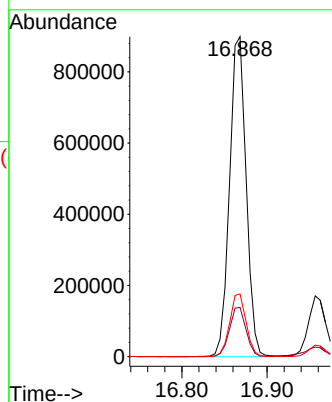
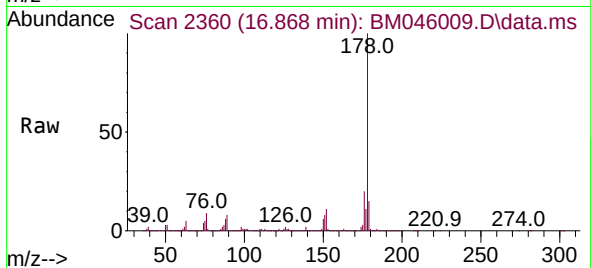
Tgt Ion:178 Resp: 1216329

Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

176 19.6 15.3 22.9



#74

Anthracene

Concen: 5.827 ng/ul

RT: 16.957 min Scan# 2375

Delta R.T. -0.006 min

Lab File: BM046009.D

Acq: 12 Jun 2024 23:16

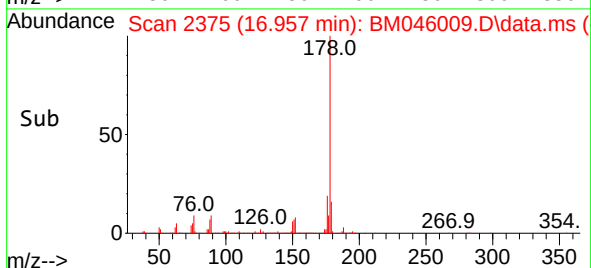
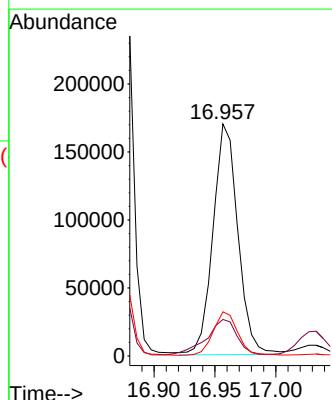
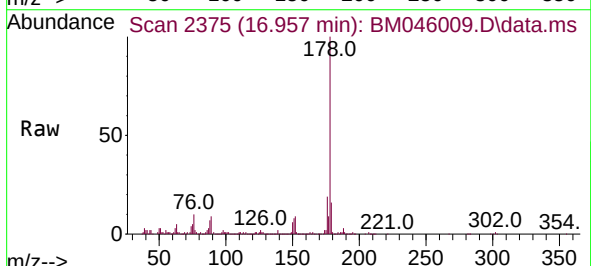
Tgt Ion:178 Resp: 241369

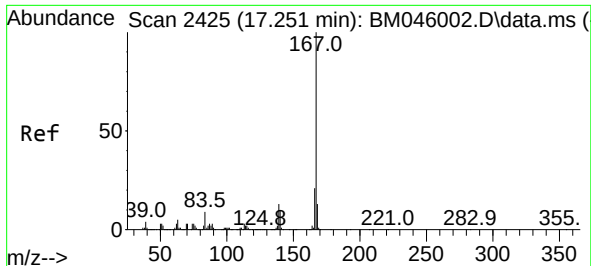
Ion Ratio Lower Upper

178 100

179 15.7 12.0 18.0

176 19.0 15.0 22.6

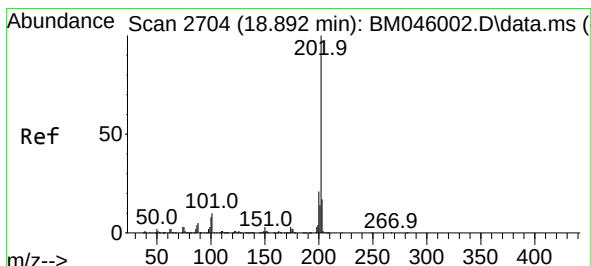
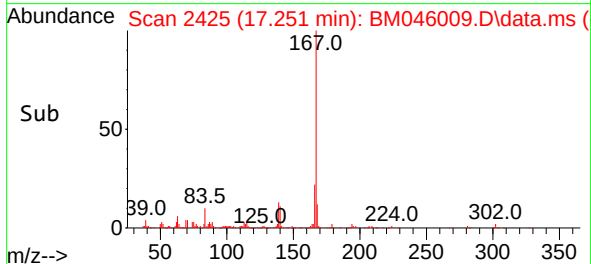
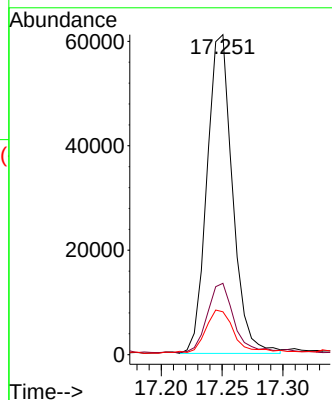
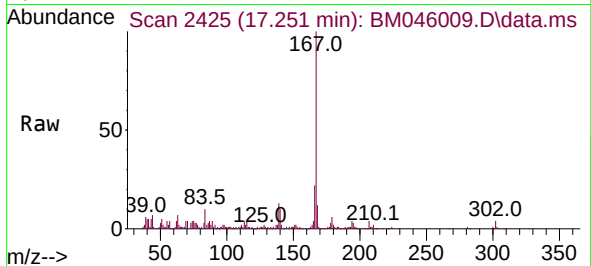




#77
 Carbazole
 Concen: 2.515 ng/ul
 RT: 17.251 min Scan# 2425
 Delta R.T. -0.006 min
 Lab File: BM046009.D
 Acq: 12 Jun 2024 23:16

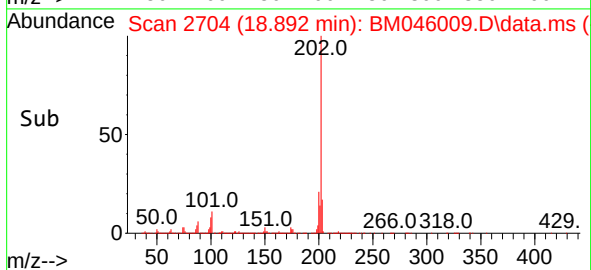
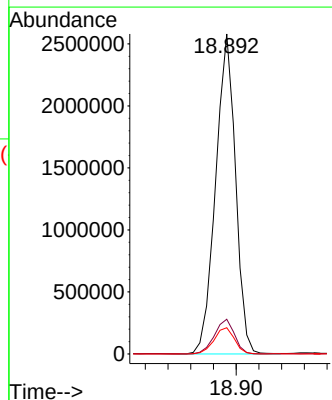
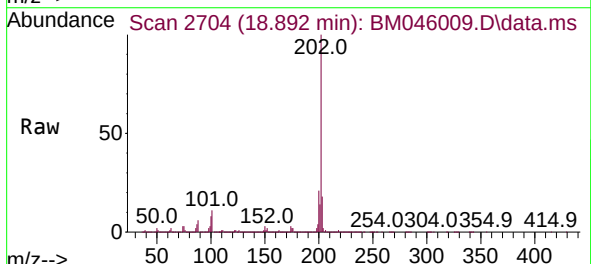
Instrument :
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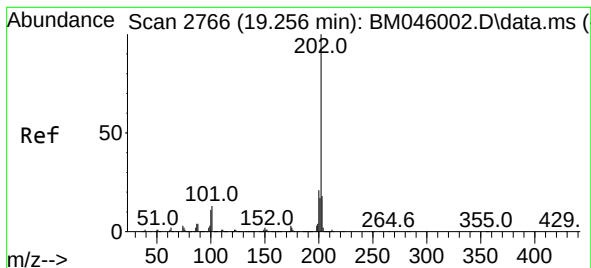
Tgt Ion:167 Resp: 88900
 Ion Ratio Lower Upper
 167 100
 166 22.3 16.6 24.8
 139 13.4 10.6 16.0



#80
 Fluoranthene
 Concen: 67.095 ng/ul
 RT: 18.892 min Scan# 2704
 Delta R.T. -0.000 min
 Lab File: BM046009.D
 Acq: 12 Jun 2024 23:16

Tgt Ion:202 Resp: 3136008
 Ion Ratio Lower Upper
 202 100
 101 10.9 8.9 13.3
 100 8.2 6.6 10.0





#82

Pyrene

Concen: 49.696 ng/ul

RT: 19.256 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM046009.D

Acq: 12 Jun 2024 23:16

Instrument :

BNA_M

ClientSampleId :

BHC34

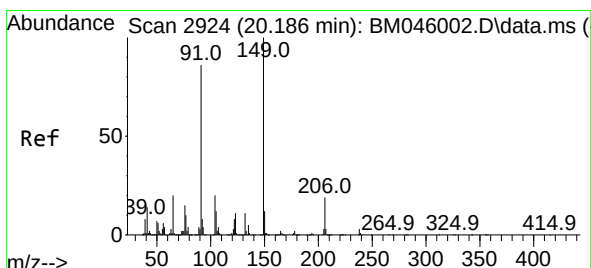
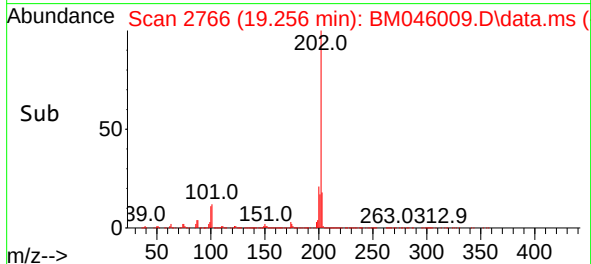
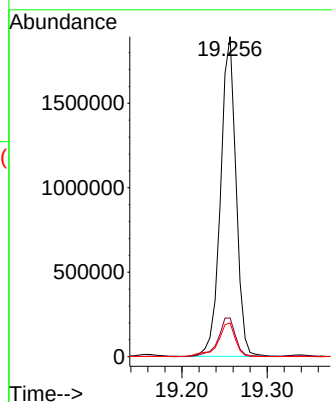
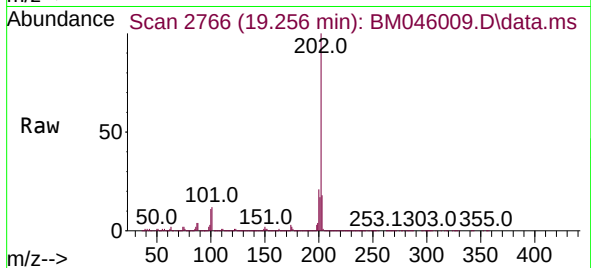
Tgt Ion:202 Resp: 2386498

Ion Ratio Lower Upper

202 100

101 12.1 10.5 15.7

100 10.5 8.6 12.8



#83

Butylbenzylphthalate

Concen: 4.782 ng/ul

RT: 20.180 min Scan# 2923

Delta R.T. -0.006 min

Lab File: BM046009.D

Acq: 12 Jun 2024 23:16

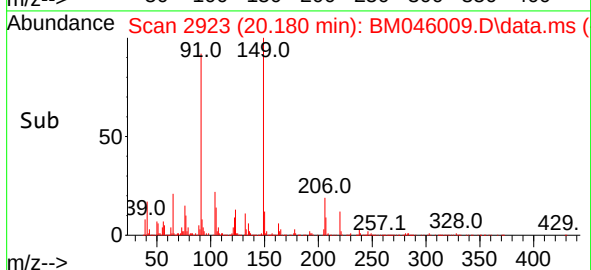
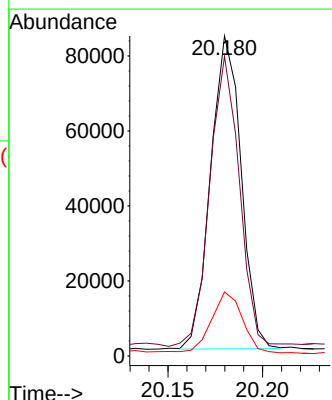
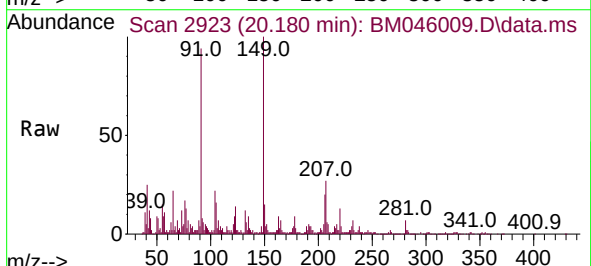
Tgt Ion:149 Resp: 93592

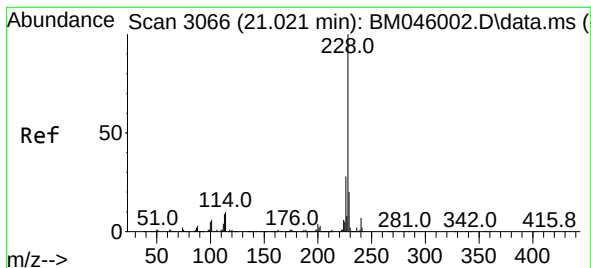
Ion Ratio Lower Upper

149 100

91 93.6 63.7 95.5

206 20.0 15.9 23.9





#85

Benzo(a)anthracene

Concen: 28.376 ng/ul

RT: 21.021 min Scan# 3066

Delta R.T. -0.006 min

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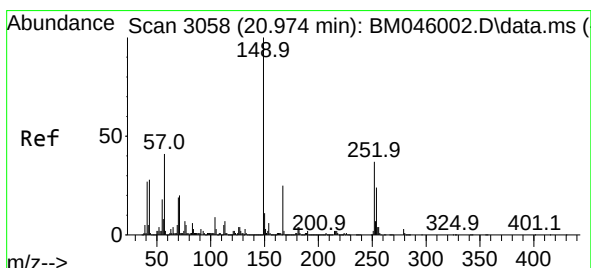
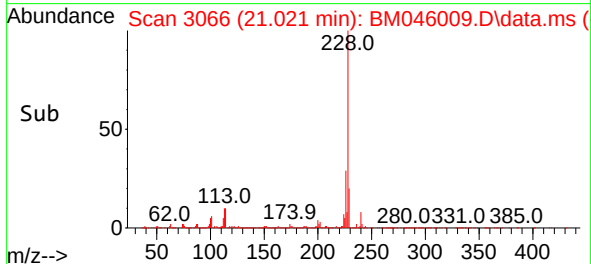
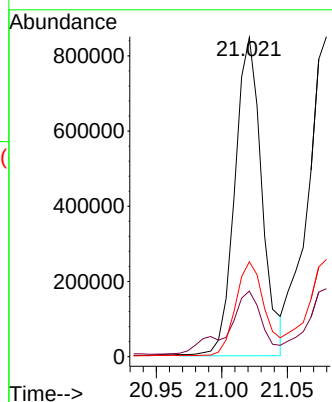
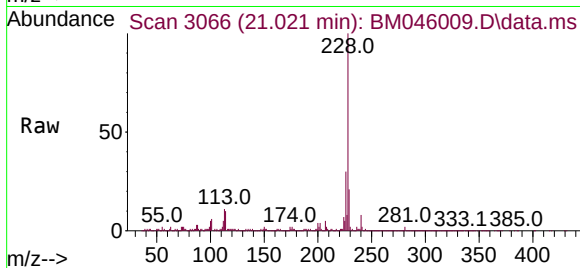
Tgt Ion:228 Resp: 1214692

Ion Ratio Lower Upper

228 100

229 20.5 15.8 23.8

226 29.7 21.4 32.0



#86

Bis(2-ethylhexyl)phthalate

Concen: 18.712 ng/ul

RT: 20.968 min Scan# 3057

Delta R.T. -0.012 min

Lab File: BM046009.D

Acq: 12 Jun 2024 23:16

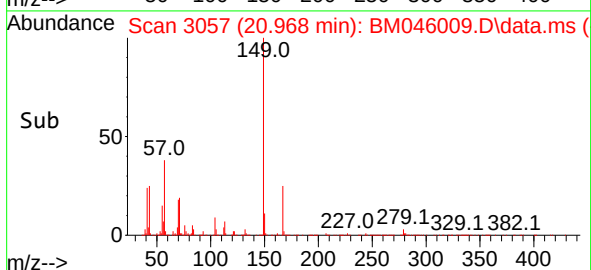
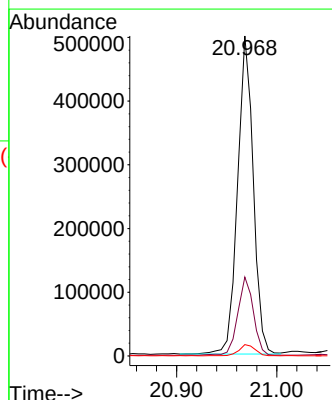
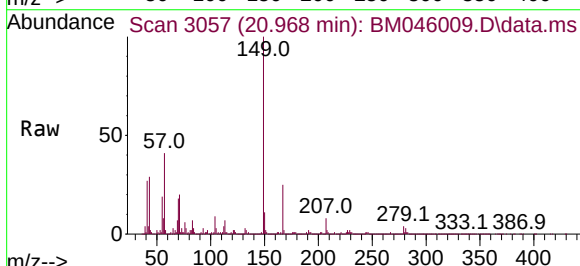
Tgt Ion:149 Resp: 544094

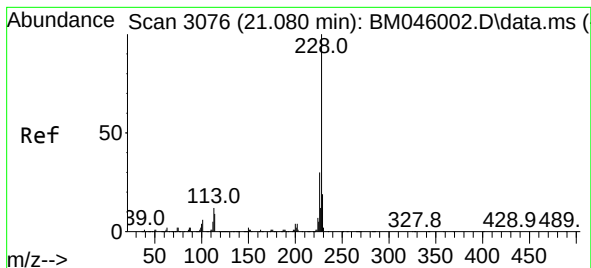
Ion Ratio Lower Upper

149 100

167 24.6 20.4 30.6

279 3.5 3.1 4.7





#87

Chrysene

Concen: 32.459 ng/ul

RT: 21.080 min Scan# 3076

Delta R.T. -0.006 min

Lab File: BM046009.D

Acq: 12 Jun 2024 23:16

Instrument :

BNA_M

ClientSampleId :

BHC34

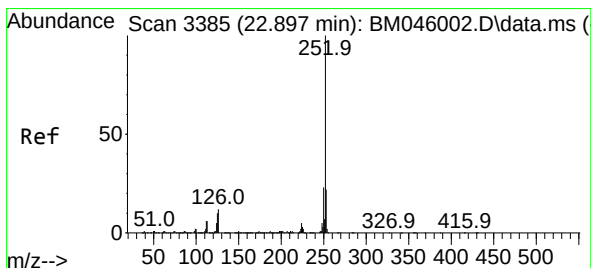
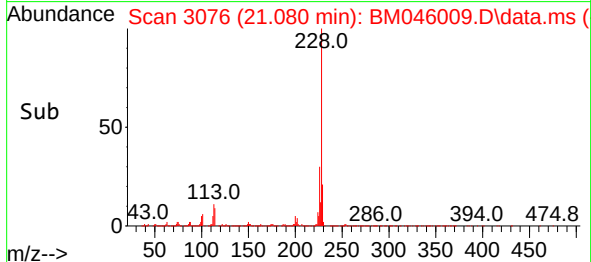
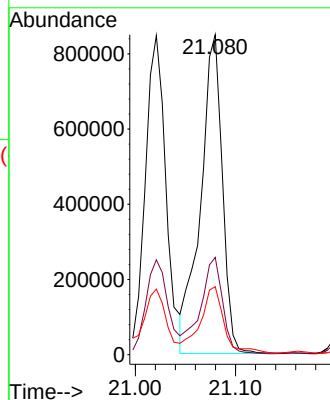
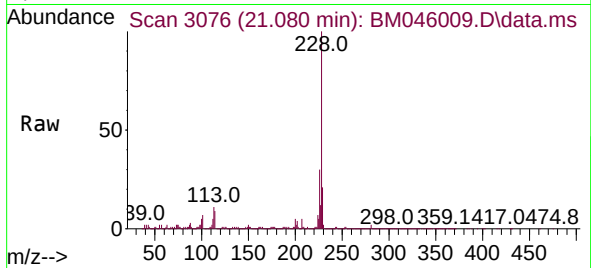
Tgt Ion:228 Resp: 1285372

Ion Ratio Lower Upper

228 100

226 30.4 24.2 36.2

229 21.3 15.2 22.8



#90

Benzo(b)fluoranthene

Concen: 40.742 ng/ul

RT: 22.903 min Scan# 3386

Delta R.T. -0.000 min

Lab File: BM046009.D

Acq: 12 Jun 2024 23:16

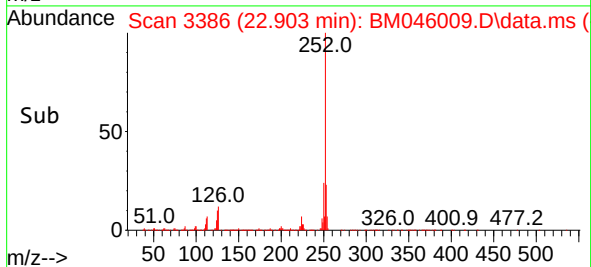
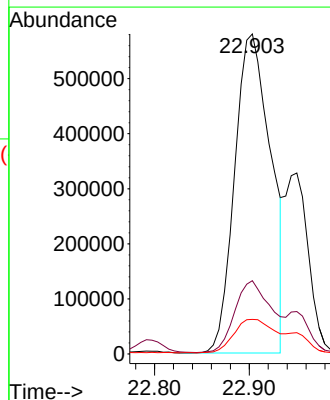
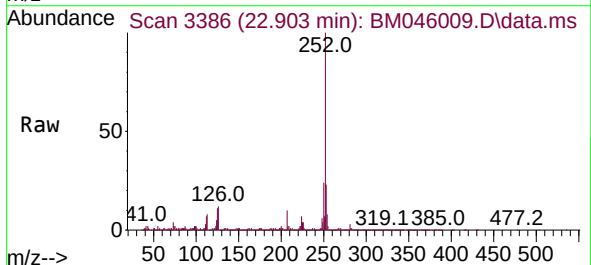
Tgt Ion:252 Resp: 1535105

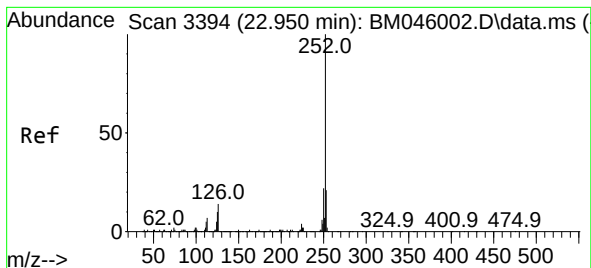
Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

125 10.8 8.4 12.6





#91

Benzo(k)fluoranthene

Concen: 41.713 ng/ul

RT: 22.903 min Scan# 31

Delta R.T. -0.053 min

Lab File: BM046009.D

Acq: 12 Jun 2024 23:16

Instrument :

BNA_M

ClientSampleId :

BHC34

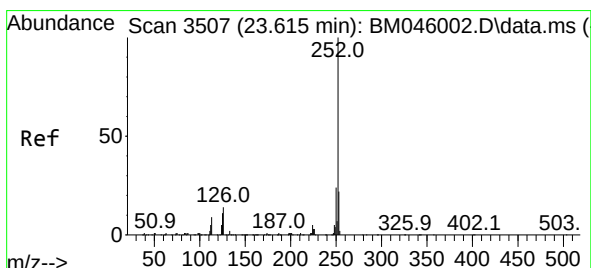
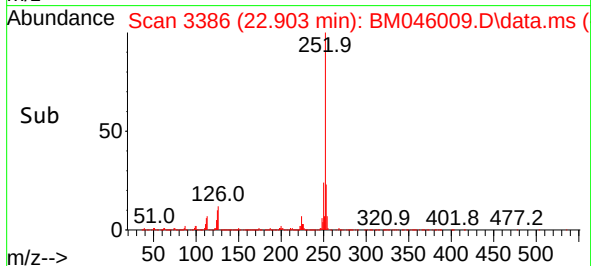
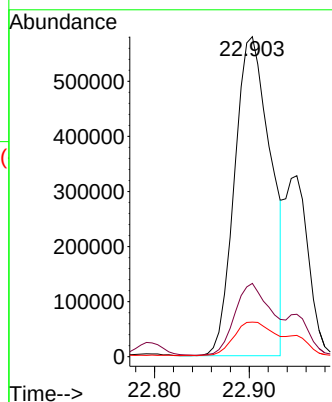
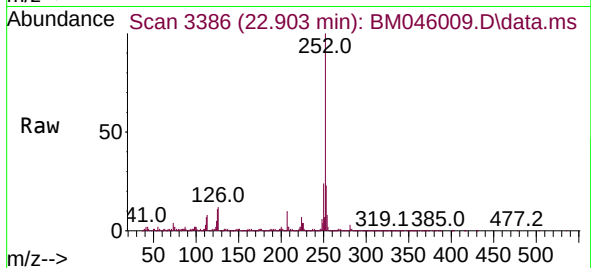
Tgt Ion:252 Resp: 1535105

Ion Ratio Lower Upper

252 100

253 22.9 16.8 25.2

125 10.8 8.2 12.4



#93

Benzo(a)pyrene

Concen: 19.552 ng/ul

RT: 23.615 min Scan# 3507

Delta R.T. -0.006 min

Lab File: BM046009.D

Acq: 12 Jun 2024 23:16

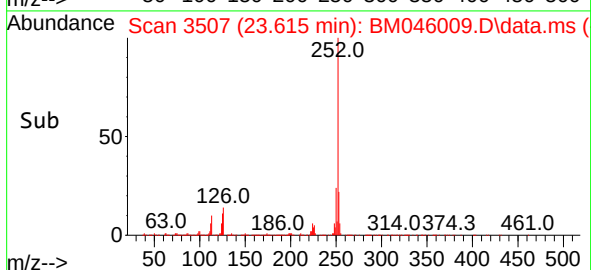
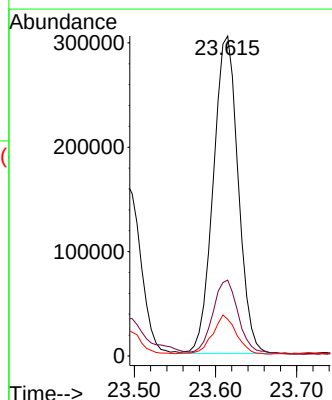
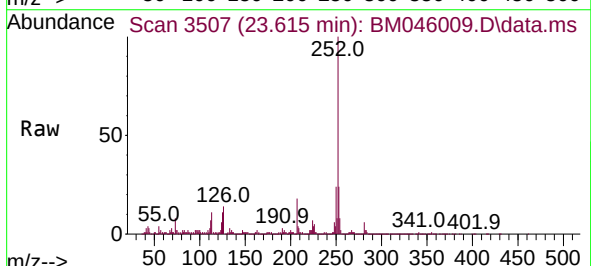
Tgt Ion:252 Resp: 647352

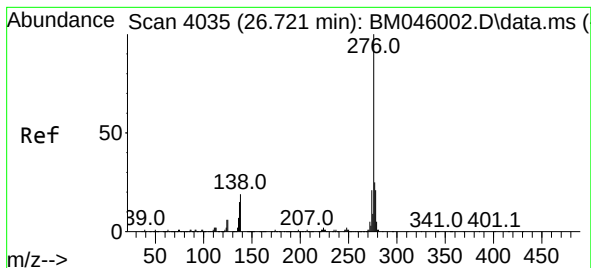
Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 11.5 9.3 13.9





#94

Indeno(1,2,3-cd)pyrene

Concen: 16.089 ng/ul

RT: 26.721 min Scan# 4035

Delta R.T. -0.006 min

Lab File: BM046009.D

Acq: 12 Jun 2024 23:16

Instrument :

BNA_M

ClientSampleId :

BHC34

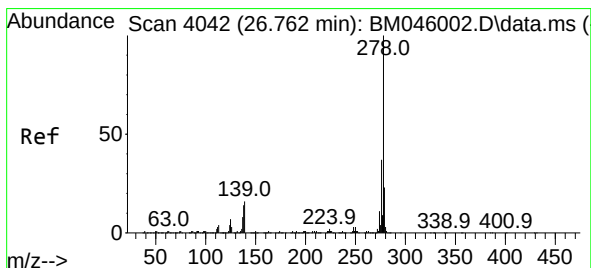
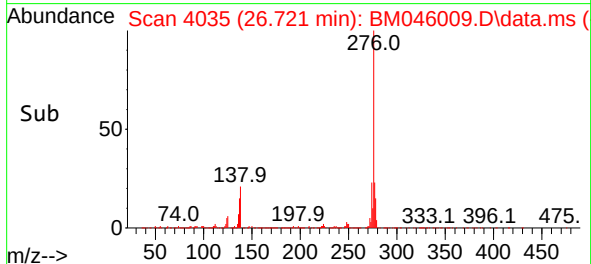
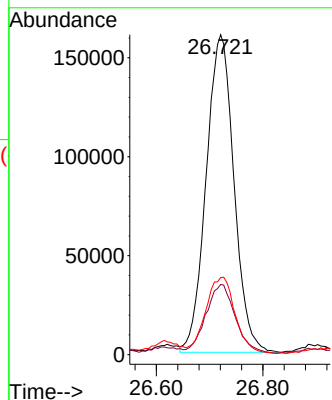
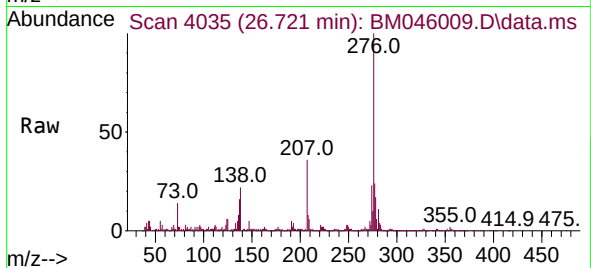
Tgt Ion:276 Resp: 581748

Ion Ratio Lower Upper

276 100

138 22.0 17.9 26.9

277 24.1 19.0 28.6



#95

Dibenzo(a,h)anthracene

Concen: 6.349 ng/ul

RT: 26.750 min Scan# 4040

Delta R.T. -0.024 min

Lab File: BM046009.D

Acq: 12 Jun 2024 23:16

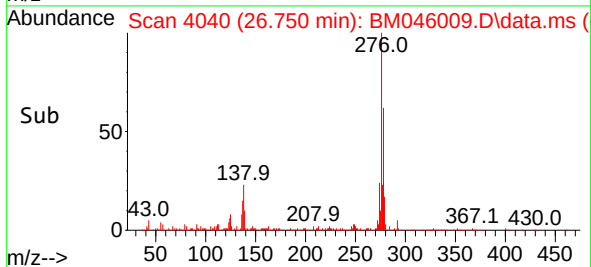
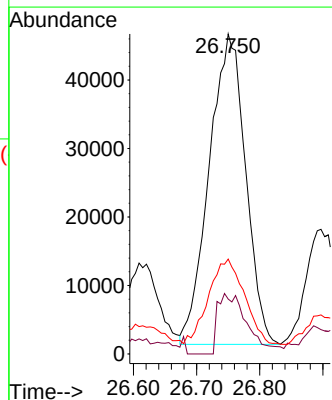
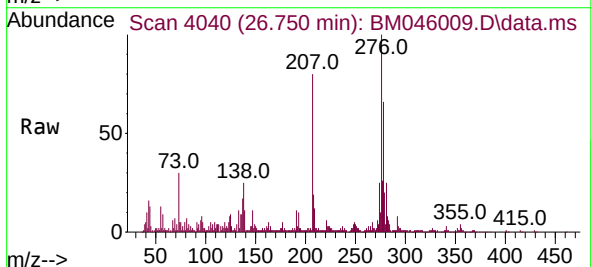
Tgt Ion:278 Resp: 181567

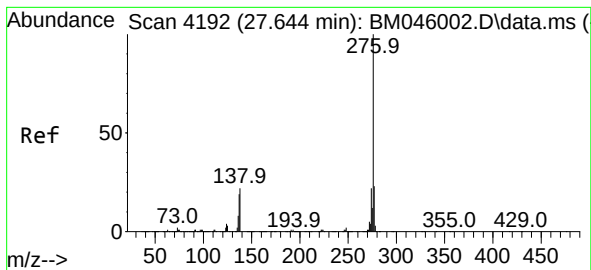
Ion Ratio Lower Upper

278 100

139 17.2 13.2 19.8

279 29.6 19.1 28.7#





#96

Benzo(g,h,i)perylene

Concen: 2.441 ng/ul

RT: 27.644 min Scan# 41

Delta R.T. -0.012 min

Lab File: BM046009.D

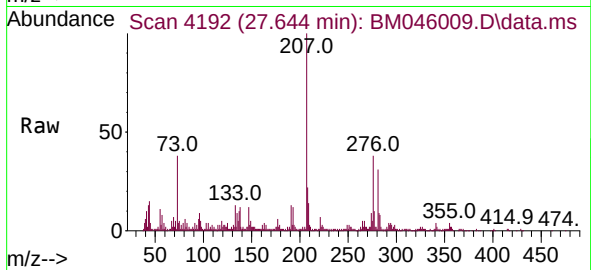
Acq: 12 Jun 2024 23:16

Instrument :

BNA_M

ClientSampleId :

BHC34



Tgt Ion:276 Resp: 77720

Ion Ratio Lower Upper

276 100

138 35.5 18.6 27.8#

277 25.8 18.7 28.1

