

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061324\
 Data File : BM046004.D
 Acq On : 12 Jun 2024 19:59
 Operator : MA/JU
 Sample : P2659-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BHC24

Quant Time: Jun 13 01:18:24 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	118084	20.000	ng/u1	0.00
20) Naphthalene-d8	10.198	136	515496	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.080	164	340331	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.821	188	773922	20.000	ng/u1	0.00
79) Chrysene-d12	21.039	240	704650	20.000	ng/u1	0.00
88) Perylene-d12	23.744	264	689618	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.040	96	9784	3.212	ng/uL	0.00
4) Pyridine-d5	3.469	84	40466	5.160	ng/u1	0.02
7) Phenol-d5	6.693	99	241841	24.108	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.804	67	171943	23.870	ng/u1	0.00
11) 2-Chlorophenol-d4	6.999	132	185007	24.690	ng/u1	0.00
15) 4-Methylphenol-d8	8.204	113	187716	24.768	ng/u1	0.00
21) Nitrobenzene-d5	8.751	128	96	0.024	ng/u1	0.15
24) 2-Nitrophenol-d4	9.310	143	93923	23.025	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.863	165	181281	23.699	ng/u1	0.00
31) 4-Chloroaniline-d4	10.398	131	67663	6.391	ng/u1	0.01
46) Dimethylphthalate-d6	13.528	166	581347	24.674	ng/u1	0.00
49) Acenaphthylene-d8	13.769	160	682330	24.939	ng/u1	0.00
54) 4-Nitrophenol-d4	14.380	143	68553	13.482	ng/u1	0.00
60) Fluorene-d10	15.080	176	526722	26.205	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.222	200	60275	15.252	ng/u1	0.00
73) Anthracene-d10	16.921	188	874282	25.986	ng/u1	0.00
81) Pyrene-d10	19.221	212	1011832	23.090	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.562	264	599815	18.610	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.281	105	32133	2.544	ng/u1	92
30) Naphthalene	10.251	128	50537	1.838	ng/u1	97
36) 2-Methylnaphthalene	11.881	142	26263	1.443	ng/u1	97
37) 1-Methylnaphthalene	12.098	142	29152	1.602	ng/u1#	95
50) Acenaphthylene	13.798	152	373916	11.808	ng/u1	99
52) Acenaphthene	14.145	153	49001	2.319	ng/u1	97
56) Dibenzofuran	14.486	168	45799	1.607	ng/u1	90
61) Fluorene	15.133	166	108151	4.710	ng/u1#	94
72) Phenanthrene	16.868	178	3129628	76.746	ng/u1	99
74) Anthracene	16.957	178	530198	13.017	ng/u1	99
77) Carbazole	17.245	167	228739	6.581	ng/u1	99
78) Di-n-butylphthalate	17.815	149	161506	3.534	ng/u1	97
80) Fluoranthene	18.898	202	7556159	142.235	ng/u1	99
82) Pyrene	19.257	202	5808114	106.411	ng/u1	99
83) Butylbenzylphthalate	20.180	149	95032	4.272	ng/u1	90
85) Benzo(a)anthracene	21.027	228	2905508	59.717	ng/u1	93
86) Bis(2-ethylhexyl)phtha...	20.968	149	376087	11.379	ng/u1	99
87) Chrysene	21.080	228	3083426	68.506	ng/u1	97
90) Benzo(b)fluoranthene	22.909	252	3532906	83.362	ng/u1	100
91) Benzo(k)fluoranthene	22.909	252	3532906	85.348	ng/u1	98
93) Benzo(a)pyrene	23.621	252	1515745	40.701	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.733	276	1339140	32.928	ng/u1	99
95) Dibenzo(a,h)anthracene	26.756	278	421018	13.089	ng/u1	93
96) Benzo(g,h,i)perylene	27.644	276	176280	4.921	ng/u1	99

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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

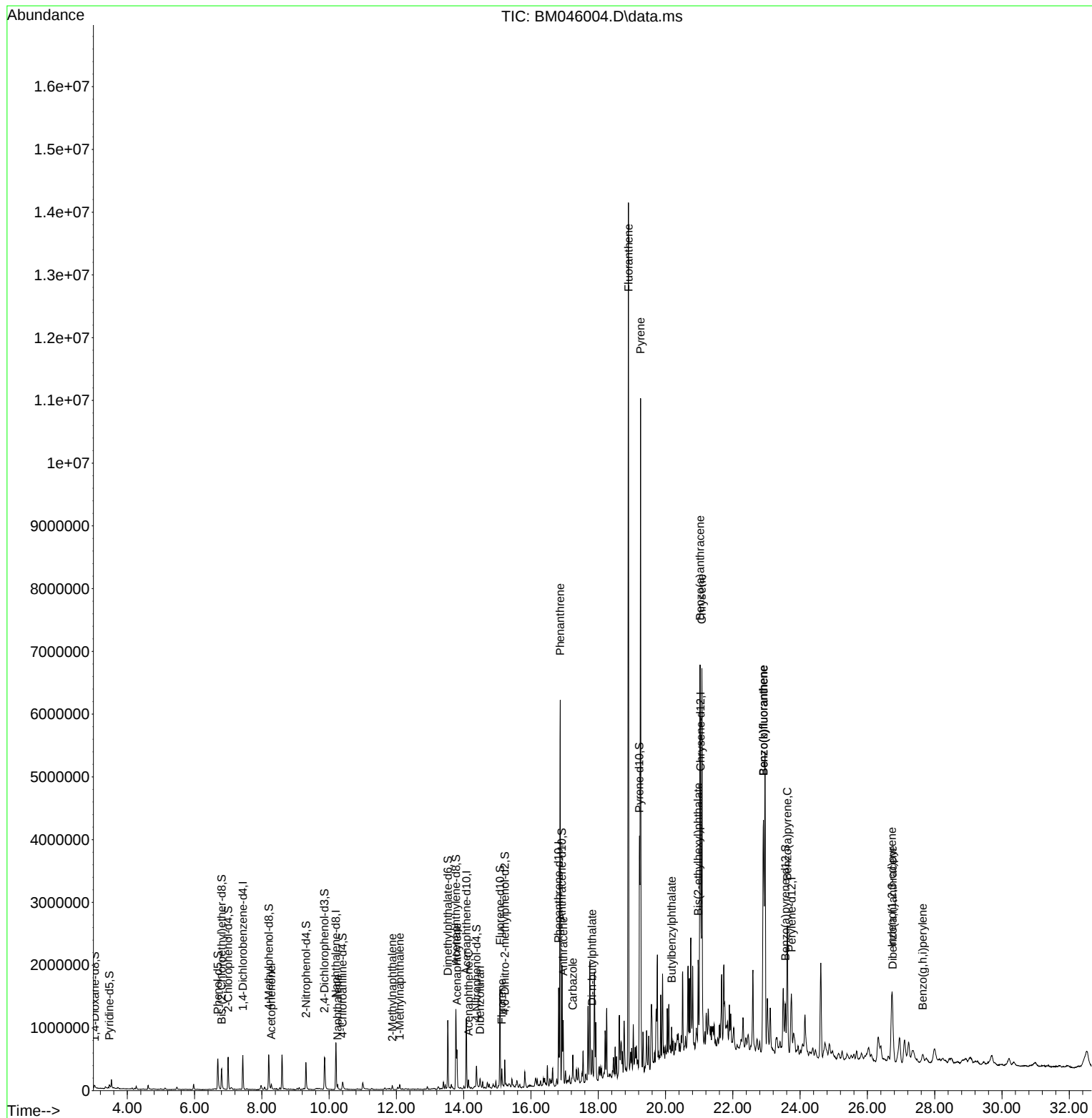
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

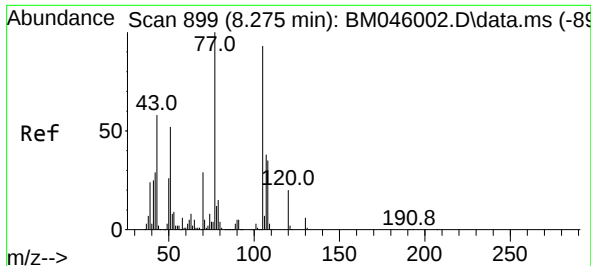
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 11 16:01:34 2024
 Response via : Initial Calibration

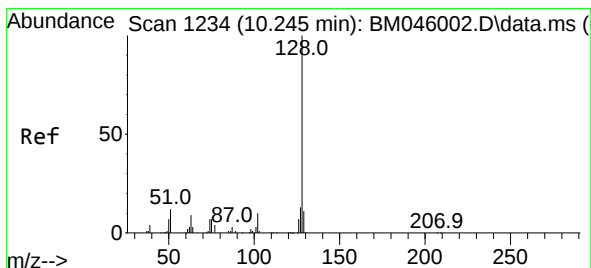
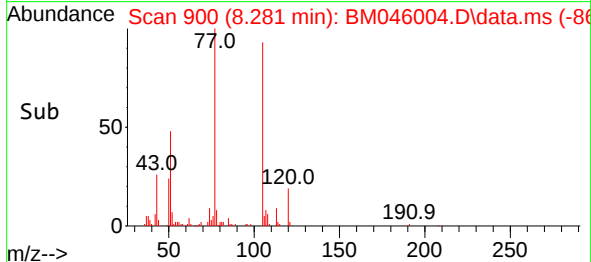
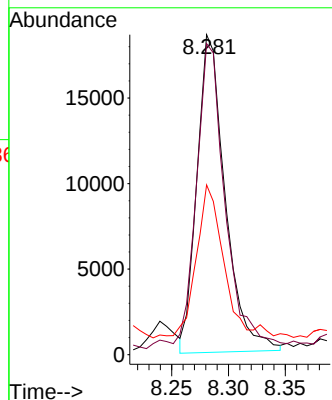
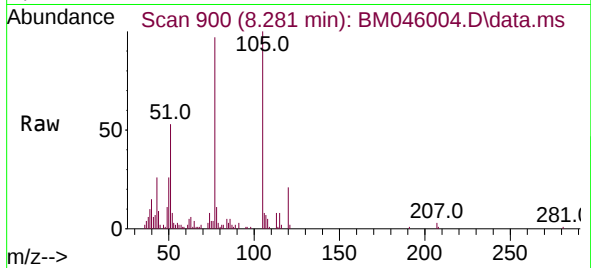




#16
Acetophenone
Concen: 2.544 ng/ul
RT: 8.281 min Scan# 900
Delta R.T. 0.006 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

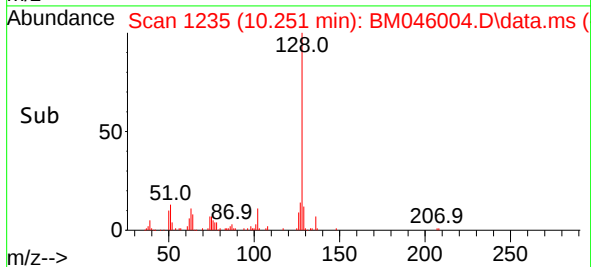
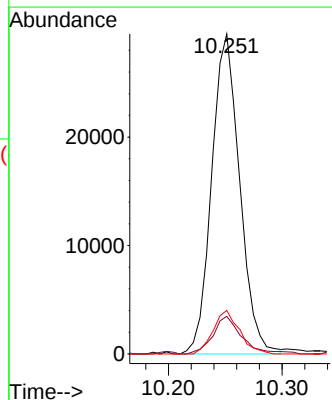
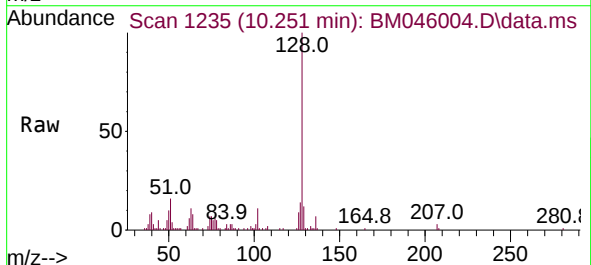
Instrument :
BNA_M
ClientSampleId :
BHC24

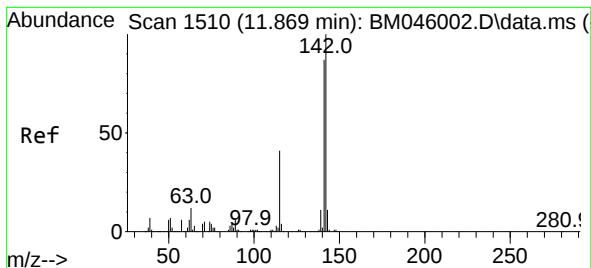
Tgt Ion:105 Resp: 32133
Ion Ratio Lower Upper
105 100
77 97.2 84.7 127.1
51 53.1 39.4 59.0



#30
Naphthalene
Concen: 1.838 ng/ul
RT: 10.251 min Scan# 1235
Delta R.T. 0.000 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

Tgt Ion:128 Resp: 50537
Ion Ratio Lower Upper
128 100
129 11.8 8.3 12.5
127 13.6 10.3 15.5

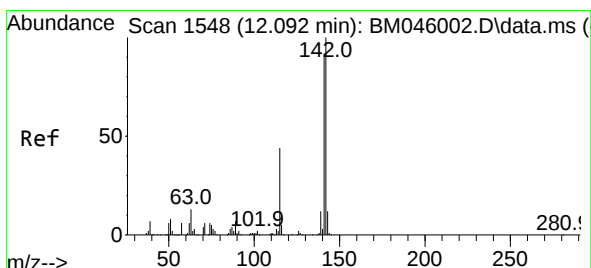
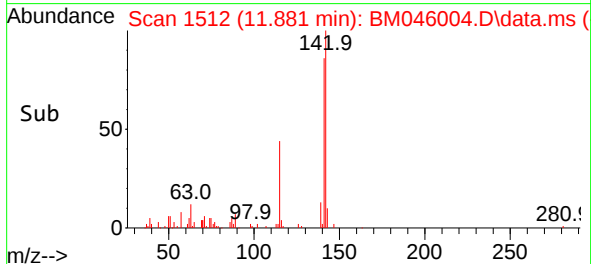
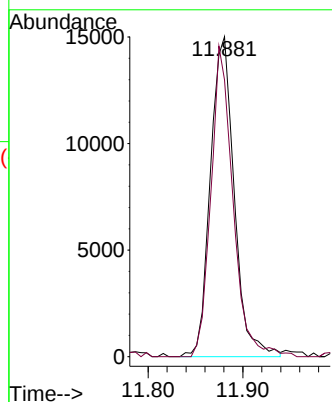
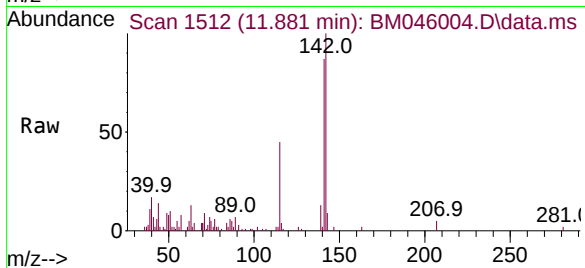




#36
2-Methylnaphthalene
Concen: 1.443 ng/ul
RT: 11.881 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

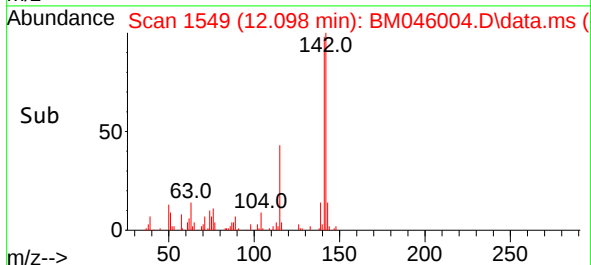
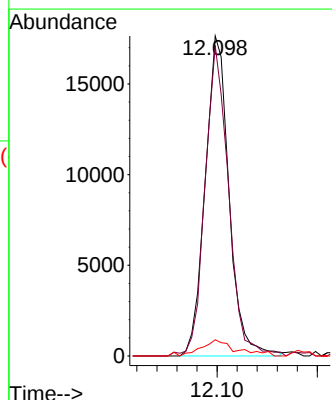
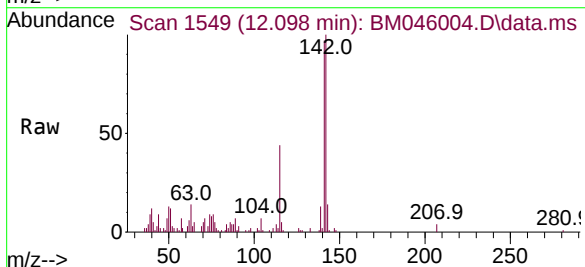
Instrument :
BNA_M
ClientSampleId :
BHC24

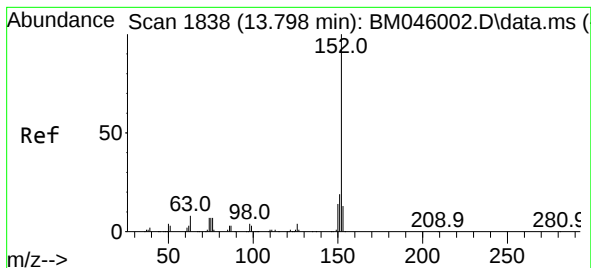
Tgt Ion:142 Resp: 26263
Ion Ratio Lower Upper
142 100
141 86.5 71.1 106.7



#37
1-Methylnaphthalene
Concen: 1.602 ng/ul
RT: 12.098 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

Tgt Ion:142 Resp: 29152
Ion Ratio Lower Upper
142 100
141 97.0 73.5 110.3
116 5.1 3.3 4.9#





#50

Acenaphthylene

Concen: 11.808 ng/ul

RT: 13.798 min Scan# 1838

Delta R.T. 0.000 min

Lab File: BM046004.D

Acq: 12 Jun 2024 19:59

Instrument :

BNA_M

ClientSampleId :

BHC24

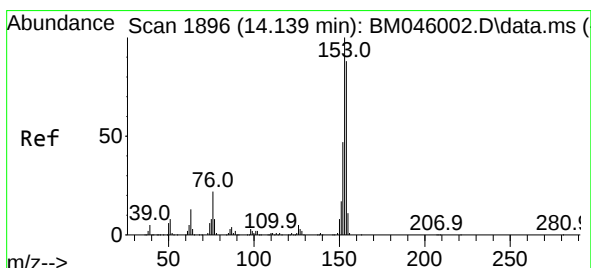
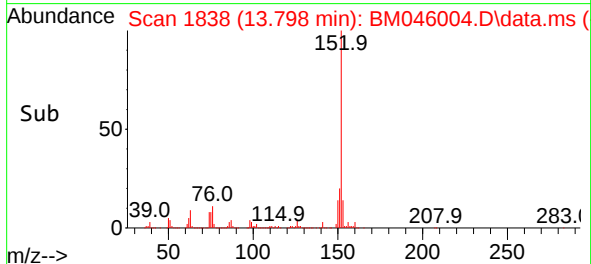
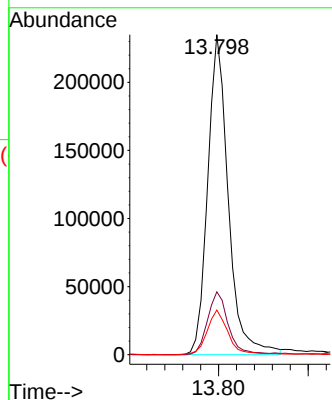
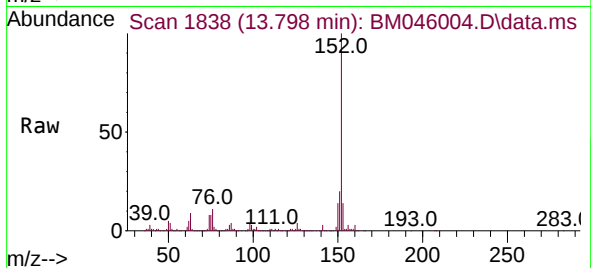
Tgt Ion:152 Resp: 373916

Ion Ratio Lower Upper

152 100

151 19.6 15.6 23.4

153 14.0 10.4 15.6



#52

Acenaphthene

Concen: 2.319 ng/ul

RT: 14.145 min Scan# 1897

Delta R.T. 0.000 min

Lab File: BM046004.D

Acq: 12 Jun 2024 19:59

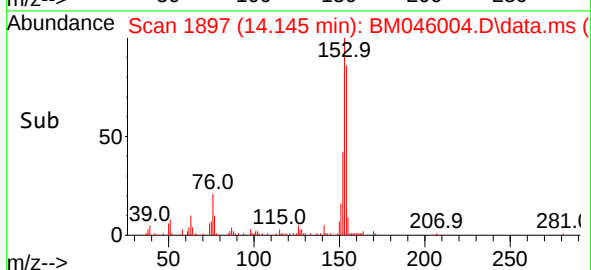
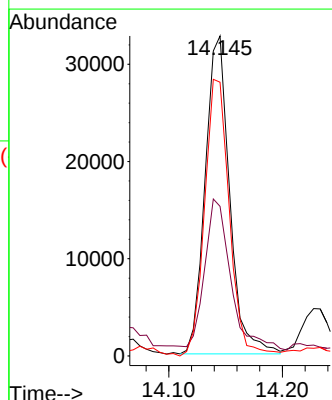
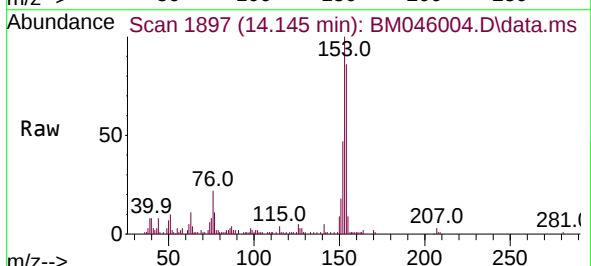
Tgt Ion:153 Resp: 49001

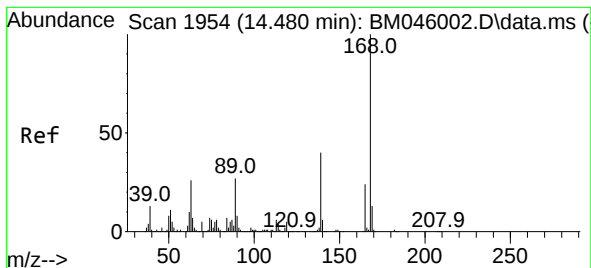
Ion Ratio Lower Upper

153 100

152 46.7 38.6 58.0

154 85.5 70.7 106.1

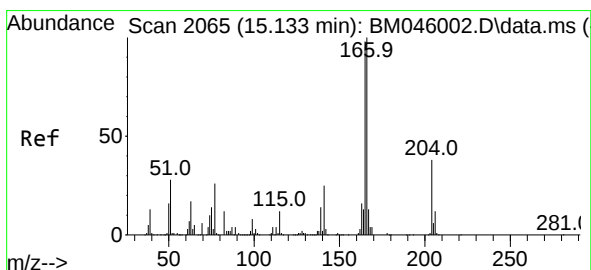
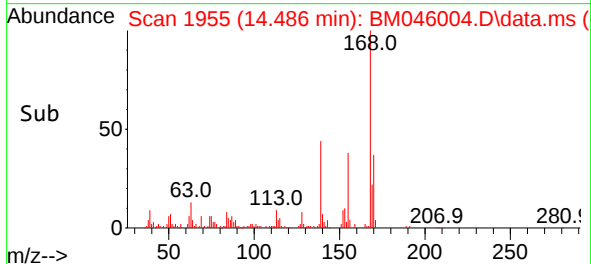
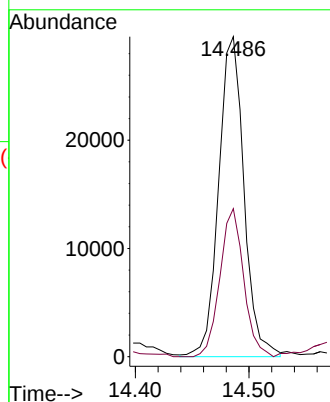
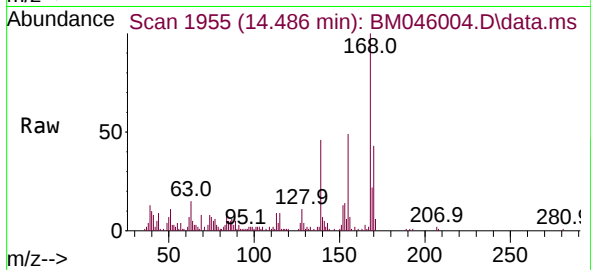




#56
Dibenzenofuran
Concen: 1.607 ng/ul
RT: 14.486 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

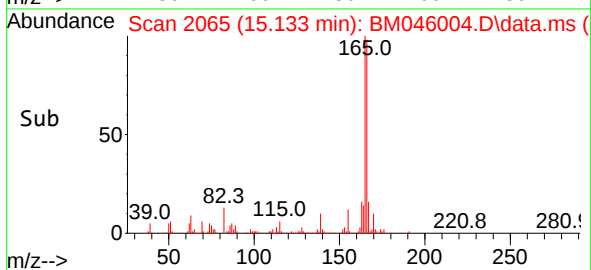
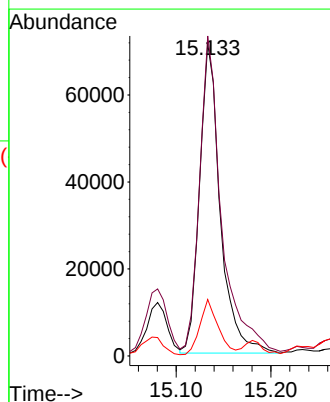
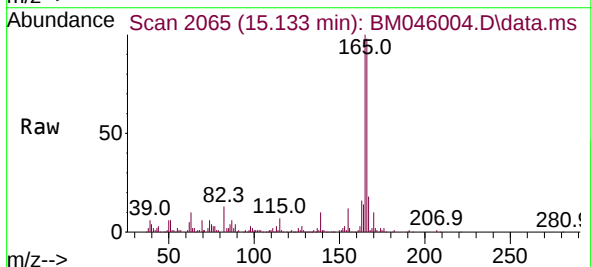
Instrument :
BNA_M
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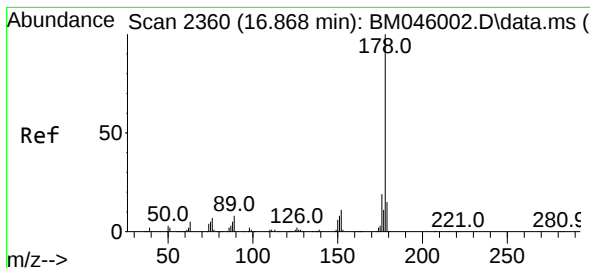
Tgt Ion:168 Resp: 45799
Ion Ratio Lower Upper
168 100
139 46.3 32.2 48.2



#61
Fluorene
Concen: 4.710 ng/ul
RT: 15.133 min Scan# 2065
Delta R.T. 0.000 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

Tgt Ion:166 Resp: 108151
Ion Ratio Lower Upper
166 100
165 102.5 78.1 117.1
167 18.1 10.6 16.0#





#72

Phenanthrene

Concen: 76.746 ng/ul

RT: 16.868 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM046004.D

Acq: 12 Jun 2024 19:59

Instrument :

BNA_M

ClientSampleId :

BHC24

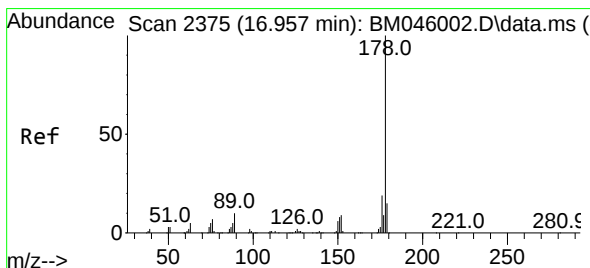
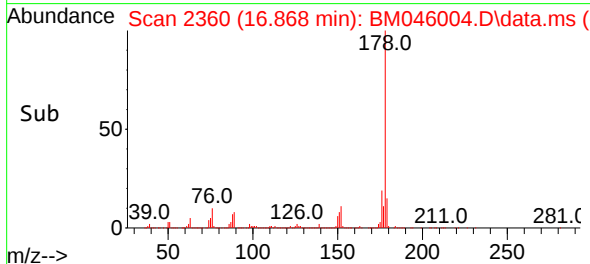
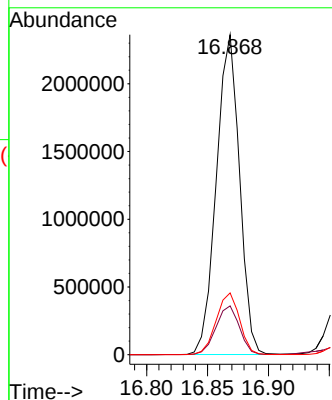
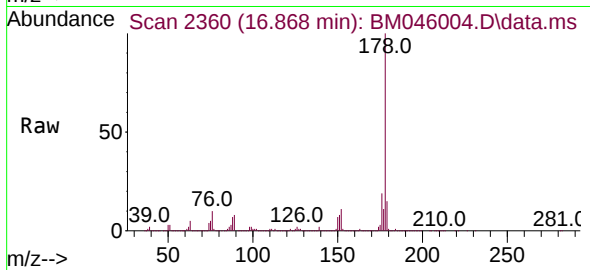
Tgt Ion:178 Resp: 3129628

Ion Ratio Lower Upper

178 100

179 15.3 12.4 18.6

176 19.3 15.3 22.9



#74

Anthracene

Concen: 13.017 ng/ul

RT: 16.957 min Scan# 2375

Delta R.T. -0.006 min

Lab File: BM046004.D

Acq: 12 Jun 2024 19:59

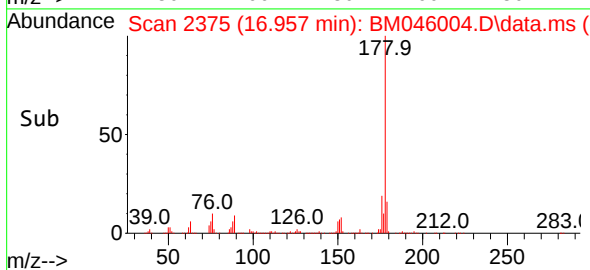
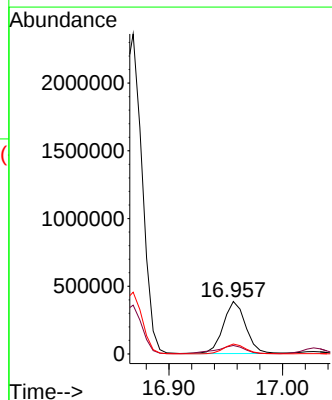
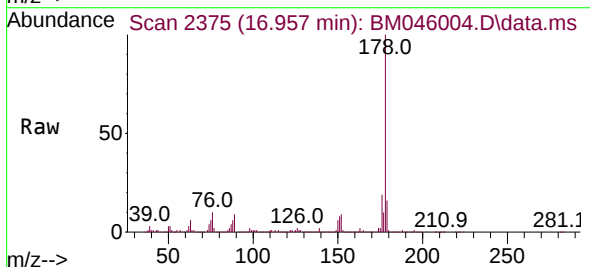
Tgt Ion:178 Resp: 530198

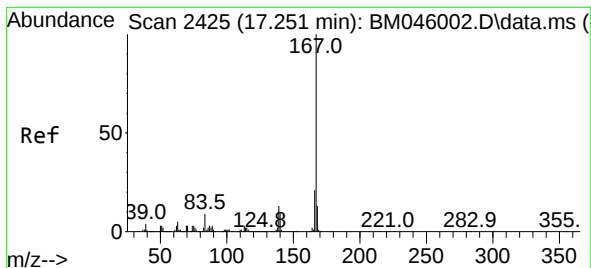
Ion Ratio Lower Upper

178 100

179 16.2 12.0 18.0

176 18.8 15.0 22.6





#77

Carbazole

Concen: 6.581 ng/ul

RT: 17.245 min Scan# 2425

Delta R.T. -0.012 min

Lab File: BM046004.D

Acq: 12 Jun 2024 19:59

Instrument :

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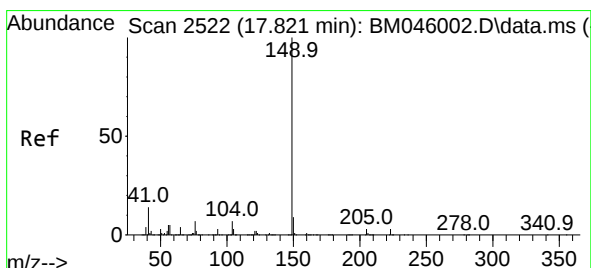
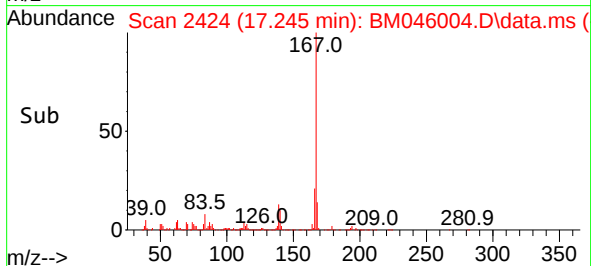
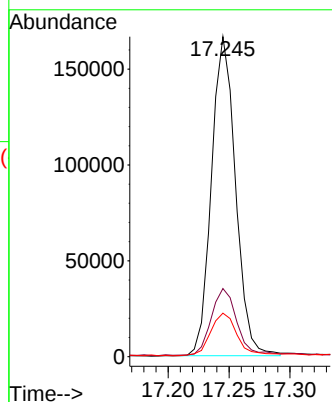
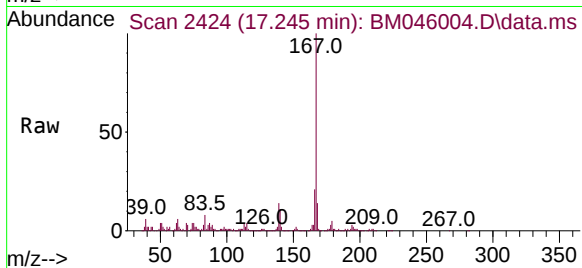
Tgt Ion:167 Resp: 228739

Ion Ratio Lower Upper

167 100

166 21.3 16.6 24.8

139 13.6 10.6 16.0



#78

Di-n-butylphthalate

Concen: 3.534 ng/ul

RT: 17.815 min Scan# 2521

Delta R.T. -0.006 min

Lab File: BM046004.D

Acq: 12 Jun 2024 19:59

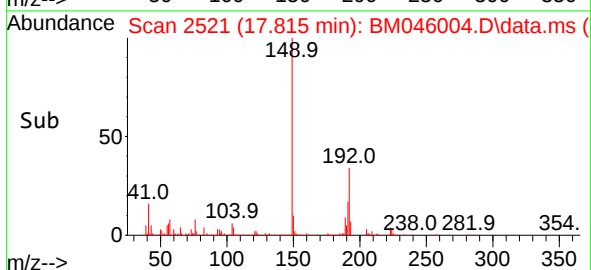
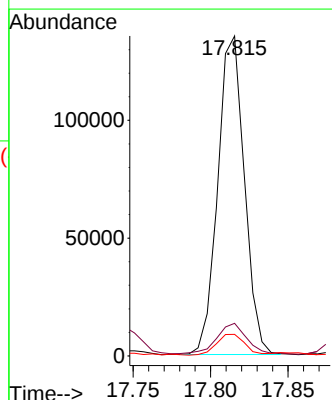
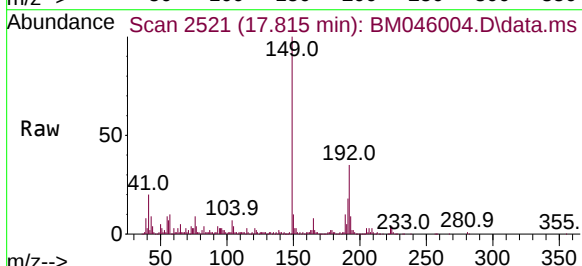
Tgt Ion:149 Resp: 161506

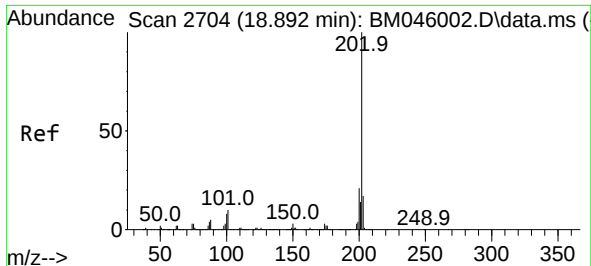
Ion Ratio Lower Upper

149 100

150 10.2 7.1 10.7

104 6.8 4.9 7.3

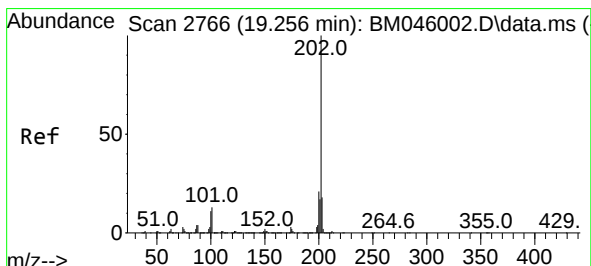
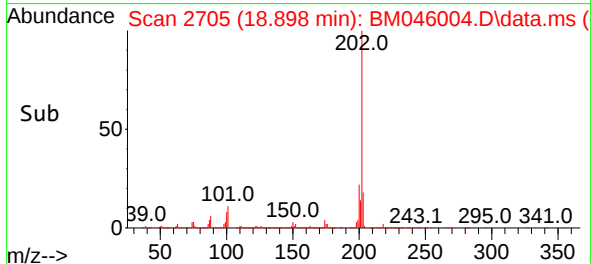
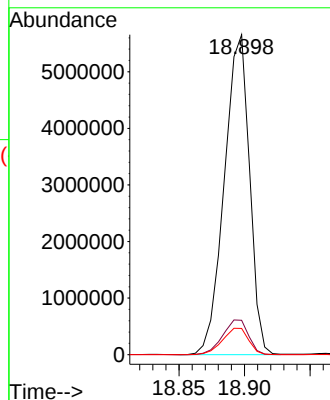
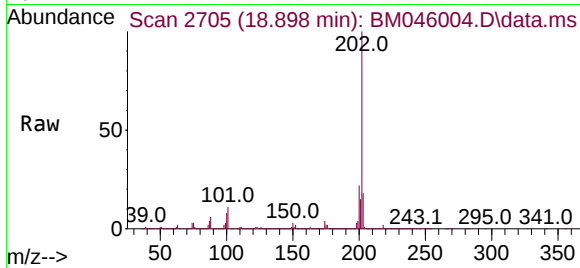




#80
Fluoranthene
Concen: 142.235 ng/u1
RT: 18.898 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

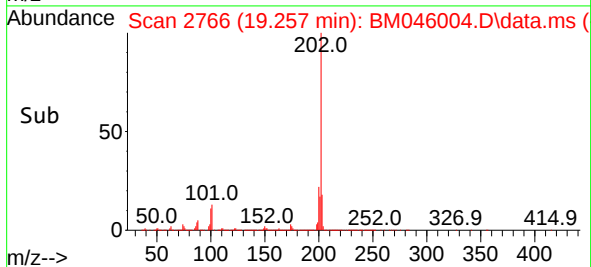
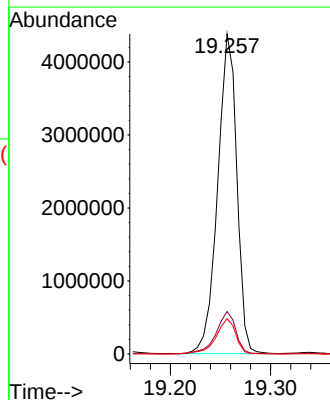
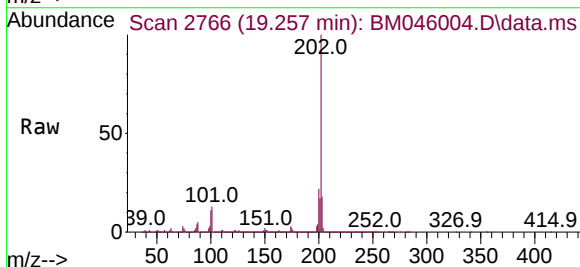
Instrument :
BNA_M
ClientSampleId :
BHC24

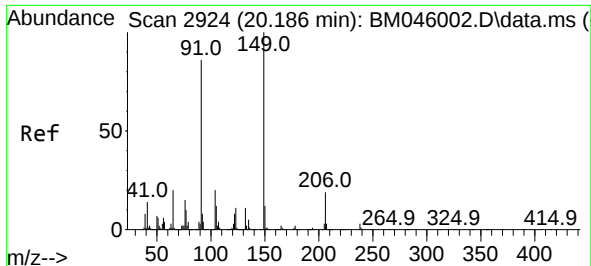
Tgt Ion:202 Resp: 7556159
Ion Ratio Lower Upper
202 100
101 10.8 8.9 13.3
100 8.2 6.6 10.0



#82
Pyrene
Concen: 106.411 ng/u1
RT: 19.257 min Scan# 2766
Delta R.T. 0.000 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

Tgt Ion:202 Resp: 5808114
Ion Ratio Lower Upper
202 100
101 13.2 10.5 15.7
100 11.0 8.6 12.8

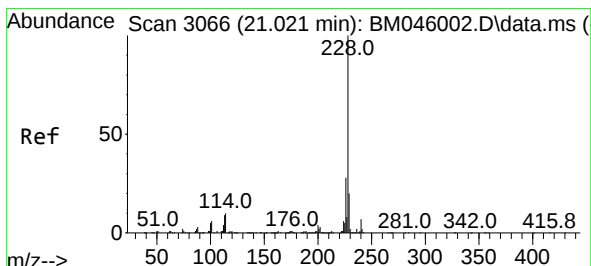
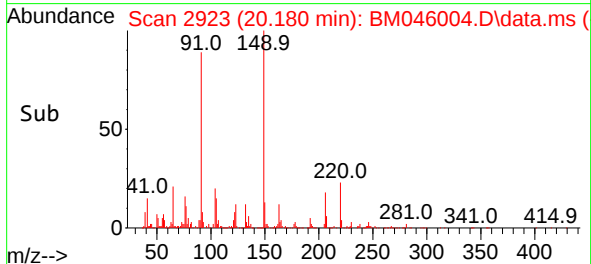
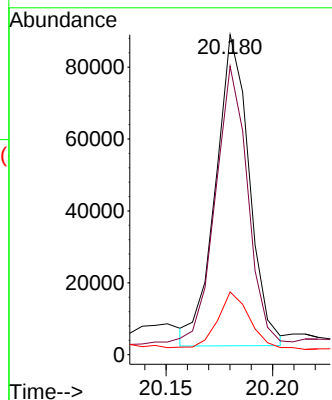
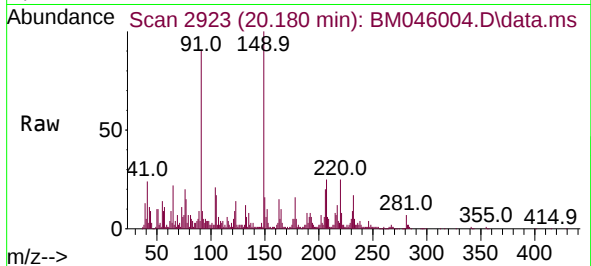




#83
Butylbenzylphthalate
Concen: 4.272 ng/ul
RT: 20.180 min Scan# 2924
Delta R.T. -0.006 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

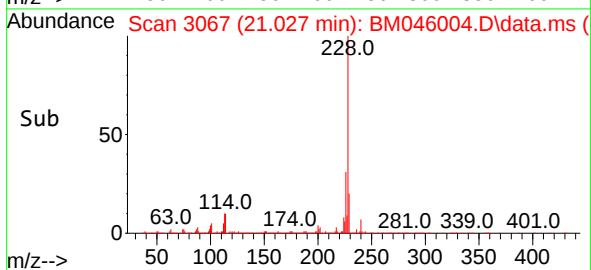
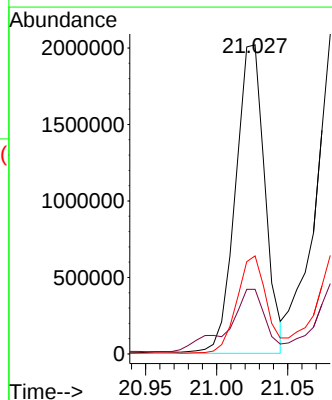
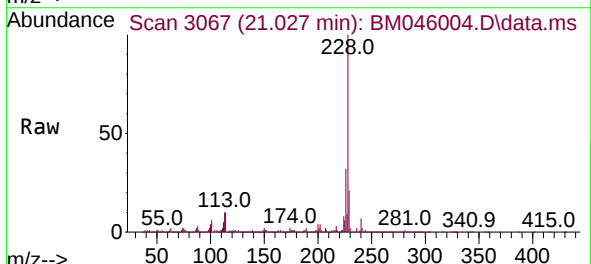
Instrument :
BNA_M
ClientSampleId :
BHC24

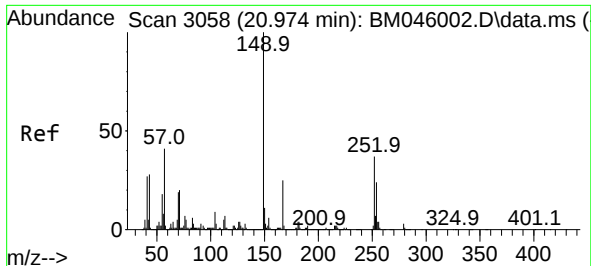
Tgt Ion:149 Resp: 95032
Ion Ratio Lower Upper
149 100
91 90.2 63.7 95.5
206 19.6 15.9 23.9



#85
Benzo(a)anthracene
Concen: 59.717 ng/ul
RT: 21.027 min Scan# 3067
Delta R.T. 0.000 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

Tgt Ion:228 Resp: 2905508
Ion Ratio Lower Upper
228 100
229 20.9 15.8 23.8
226 31.7 21.4 32.0

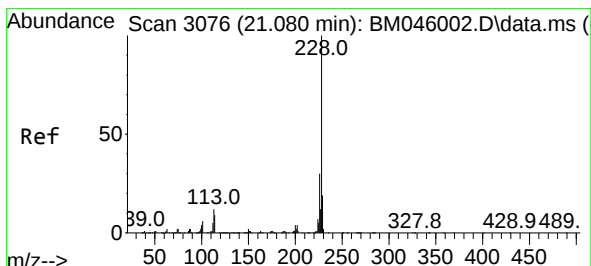
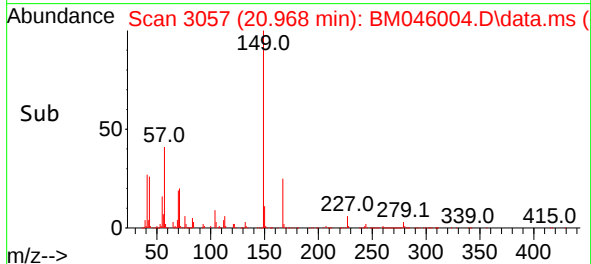
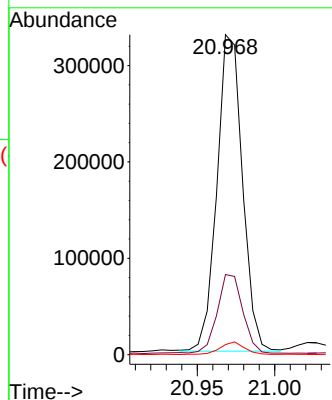
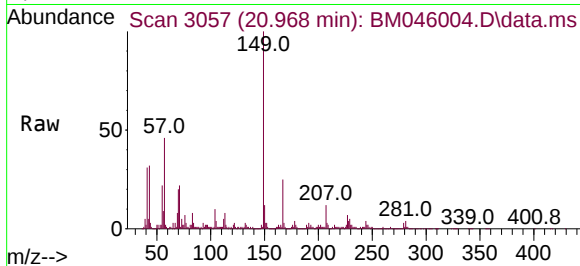




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 11.379 ng/ul
 RT: 20.968 min Scan# 3057
 Delta R.T. -0.012 min
 Lab File: BM046004.D
 Acq: 12 Jun 2024 19:59

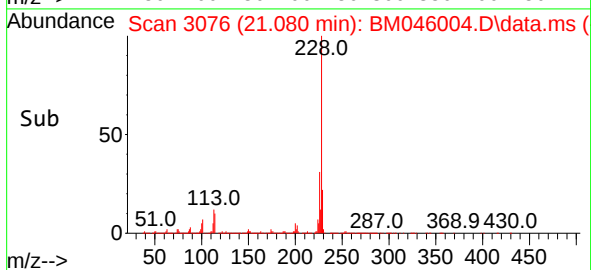
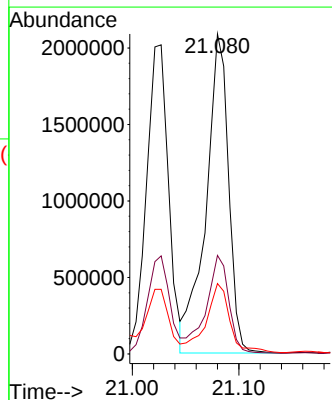
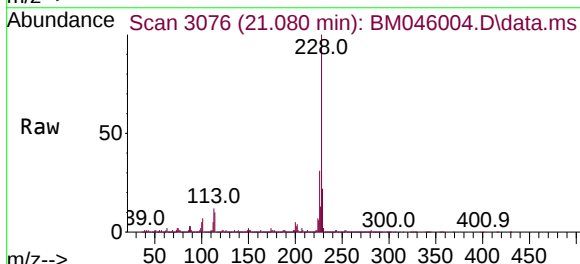
Instrument :
 BNA_M
 ClientSampleId :
 BHC24

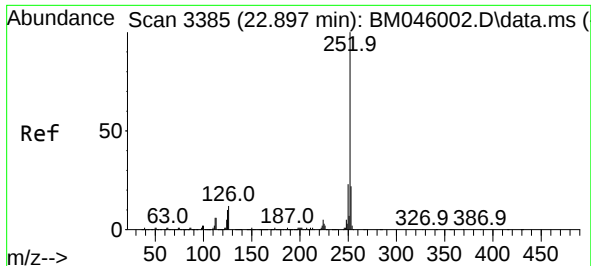
Tgt Ion:149 Resp: 376087
 Ion Ratio Lower Upper
 149 100
 167 25.0 20.4 30.6
 279 3.2 3.1 4.7



#87
 Chrysene
 Concen: 68.506 ng/ul
 RT: 21.080 min Scan# 3076
 Delta R.T. -0.006 min
 Lab File: BM046004.D
 Acq: 12 Jun 2024 19:59

Tgt Ion:228 Resp: 3083426
 Ion Ratio Lower Upper
 228 100
 226 30.8 24.2 36.2
 229 22.0 15.2 22.8

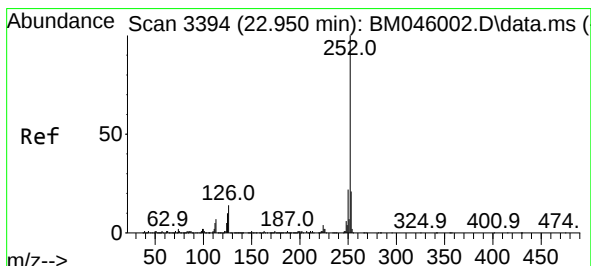
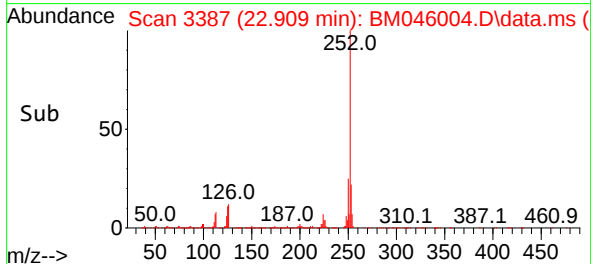
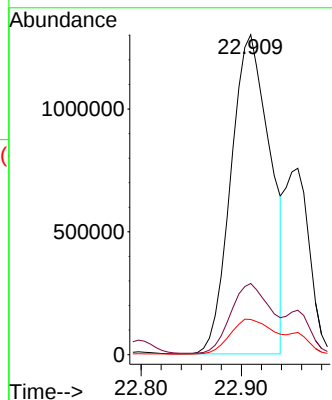
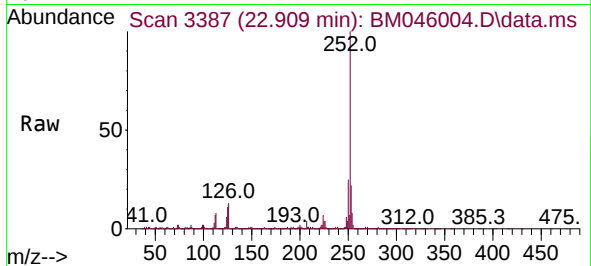




#90
Benzo(b)fluoranthene
Concen: 83.362 ng/ul
RT: 22.909 min Scan# 3387
Delta R.T. 0.006 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

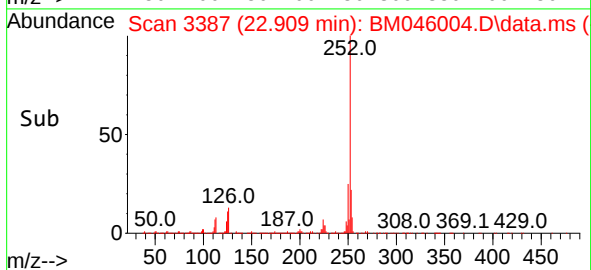
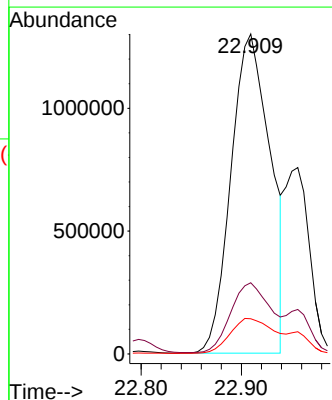
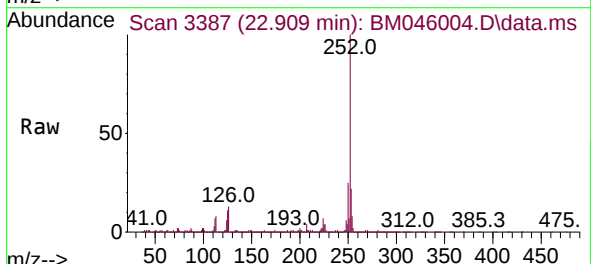
Instrument :
BNA_M
ClientSampleId :
BHC24

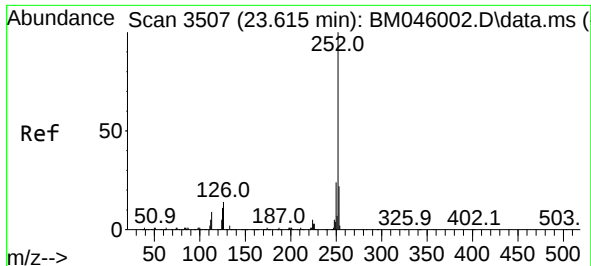
Tgt Ion:252 Resp: 3532906
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 11.0 8.4 12.6



#91
Benzo(k)fluoranthene
Concen: 85.348 ng/ul
RT: 22.909 min Scan# 3387
Delta R.T. -0.047 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

Tgt Ion:252 Resp: 3532906
Ion Ratio Lower Upper
252 100
253 22.2 16.8 25.2
125 11.0 8.2 12.4

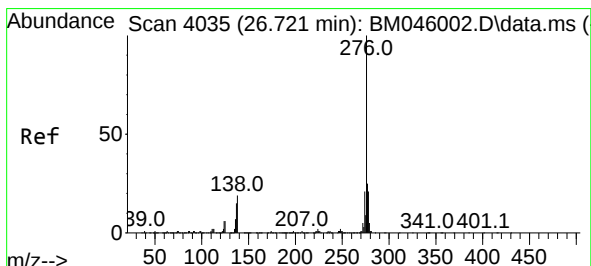
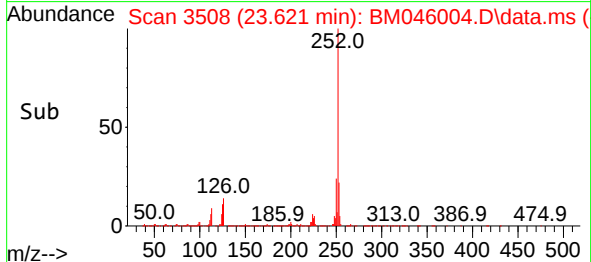
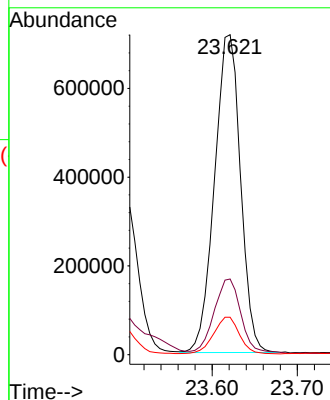
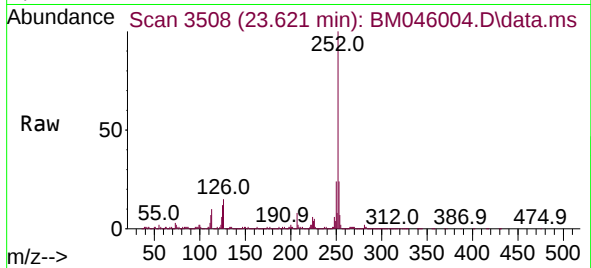




#93
Benzo(a)pyrene
Concen: 40.701 ng/ul
RT: 23.621 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

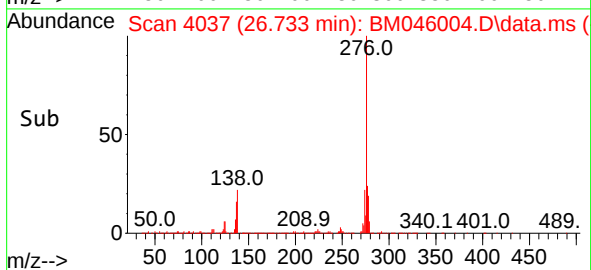
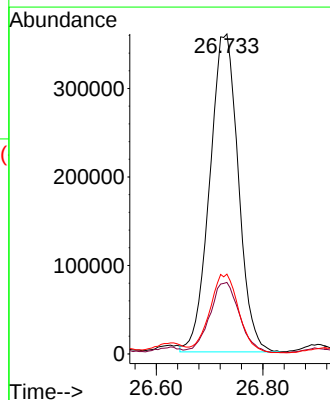
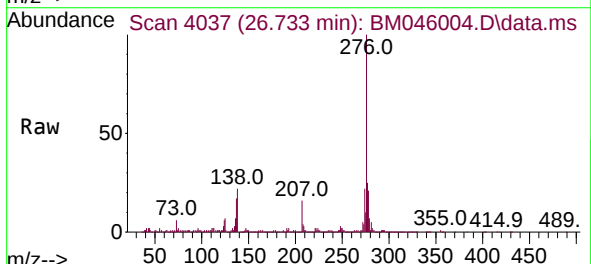
Instrument :
BNA_M
ClientSampleId :
BHC24

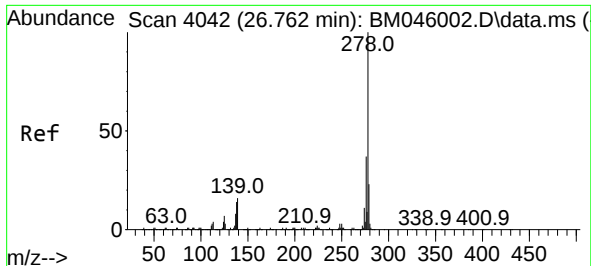
Tgt Ion:252 Resp: 1515745
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 11.7 9.3 13.9



#94
Indeno(1,2,3-cd)pyrene
Concen: 32.928 ng/ul
RT: 26.733 min Scan# 4037
Delta R.T. 0.006 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

Tgt Ion:276 Resp: 1339140
Ion Ratio Lower Upper
276 100
138 22.4 17.9 26.9
277 25.0 19.0 28.6

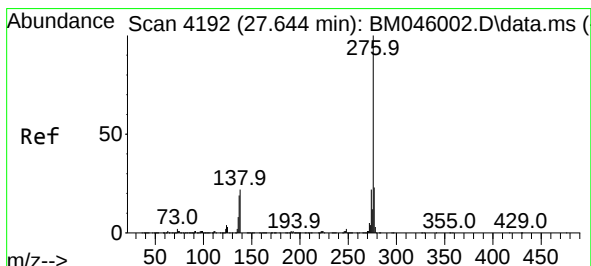
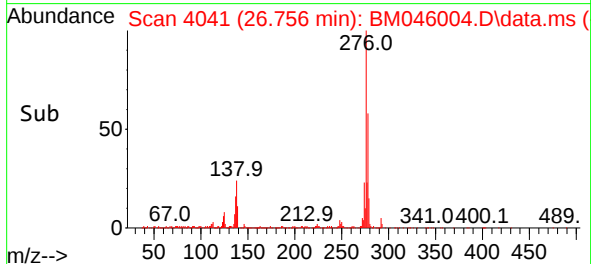
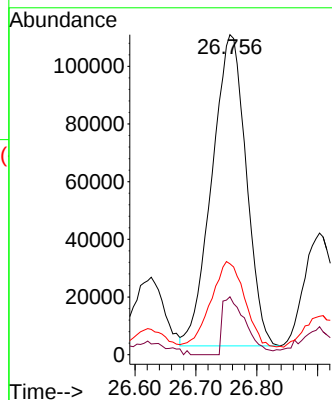
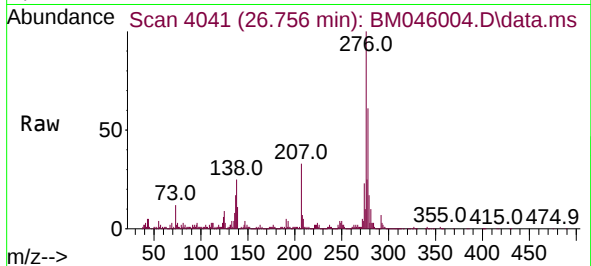




#95
 Dibenzo(a,h)anthracene
 Concen: 13.089 ng/ul
 RT: 26.756 min Scan# 4042
 Delta R.T. -0.018 min
 Lab File: BM046004.D
 Acq: 12 Jun 2024 19:59

Instrument :
 BNA_M
 ClientSampleId :
 BHC24

Tgt Ion:278 Resp: 421018
 Ion Ratio Lower Upper
 278 100
 139 18.1 13.2 19.8
 279 28.4 19.1 28.7



#96
 Benzo(g,h,i)perylene
 Concen: 4.921 ng/ul
 RT: 27.644 min Scan# 4192
 Delta R.T. -0.012 min
 Lab File: BM046004.D
 Acq: 12 Jun 2024 19:59

Tgt Ion:276 Resp: 176280
 Ion Ratio Lower Upper
 276 100
 138 23.0 18.6 27.8
 277 24.0 18.7 28.1

