

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
 Data File : BM024909.D
 Acq On : 17 Feb 2020 16:53
 Operator : CG/JU
 Sample : L1486-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 18 00:33:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Feb 15 06:02:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	253376	20.00	ng/ul	0.00
18) Naphthalene-d8	10.16	136	931775	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.04	164	578424	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.80	188	1217023	20.00	ng/ul	0.00
78) Chrysene-d12	21.01	240	1280935	20.00	ng/ul	0.00
86) Perylene-d12	23.10	264	1342283	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.04	96	37558	7.13	ng/uL	0.00
5) Phenol-d5	6.59	99	159564	9.48	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	436747	45.94	ng/ul	0.00
9) 2-Chlorophenol-d4	6.93	132	500998	33.22	ng/ul	0.00
13) 4-Methylphenol-d8	8.10	113	300745	21.17	ng/ul	0.00
19) Nitrobenzene-d5	8.53	128	301696	44.78	ng/ul	0.00
22) 2-Nitrophenol-d4	9.25	143	356556	44.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.79	165	606281	37.75	ng/ul	0.00
29) 4-Chloroaniline-d4	10.31	131	59010	3.93	ng/ul	0.02
44) Dimethylphthalate-d6	13.47	166	1906671	43.67	ng/ul	0.00
47) Acenaphthylene-d8	13.73	160	2315221	45.40	ng/ul	0.00
52) 4-Nitrophenol-d4	14.27	143	52630	7.42	ng/ul	0.00
58) Fluorene-d10	15.04	176	1725669	44.63	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.18	200	312762	39.43	ng/ul	0.00
71) Anthracene-d10	16.90	188	2651175	47.72	ng/ul	0.00
79) Pyrene-d10	19.20	212	2993107	46.71	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.98	264	3318142	49.22	ng/ul	0.00

Target Compounds

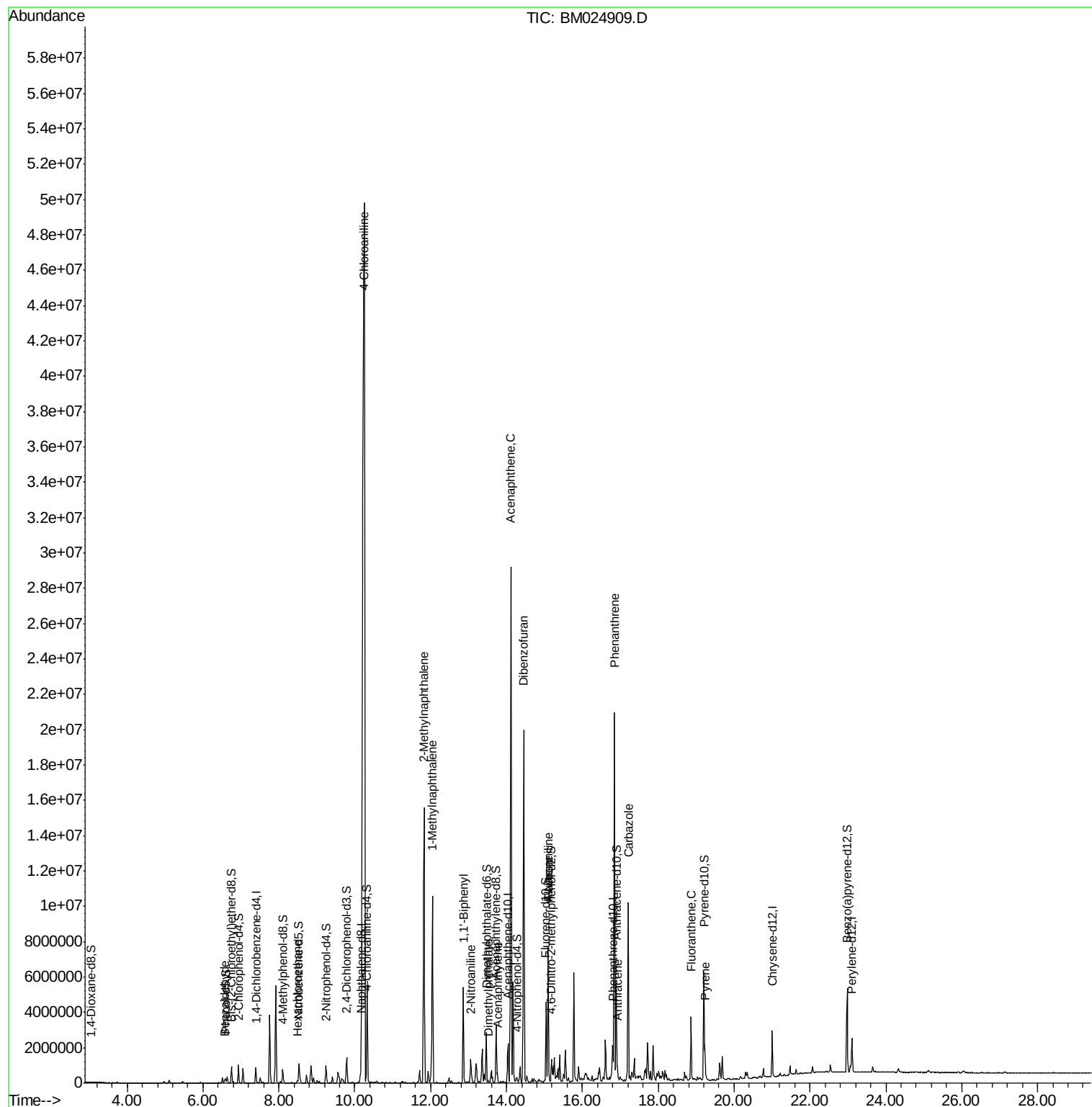
					Ovalue	
4) Benzaldehyde	6.57	77	12612	1.139	ng/ul#	1
17) Hexachloroethane	8.49	117	18649	2.690	ng/ul#	1
30) 4-Chloroaniline	10.26	127	15705030	1047.379	ng/ul#	11
34) 2-Methylnaphthalene	11.83	142	7711599	219.897	ng/ul	100
35) 1-Methylnaphthalene	12.05	142	5027986	143.762	ng/ul	99
41) 1,1'-Biphenyl	12.86	154	2811695	65.847	ng/ul#	97
43) 2-Nitroaniline	13.06	65	9647	1.312	ng/ul#	21
45) Dimethylphthalate	13.52	163	96641	2.122	ng/ul	98
48) Acenaphthylene	13.75	152	110305	2.088	ng/ul#	88
50) Acenaphthene	14.12	153	13193754	369.898	ng/ul	98
54) Dibenzofuran	14.45	168	12619477	237.345	ng/ul	97
59) Fluorene	15.10	166	3406092	77.729	ng/ul	98
61) 4-Nitroaniline	15.10	138	37203	4.330	ng/ul#	25
70) Phenanthrene	16.84	178	12460134	187.772	ng/ul	95
72) Anthracene	16.93	178	523734	7.782	ng/ul	99
75) Carbazole	17.21	167	6481915	115.612	ng/ul	99
77) Fluoranthene	18.87	202	2225562	27.321	ng/ul	97
80) Pyrene	19.23	202	1174344	13.850	ng/ul#	93

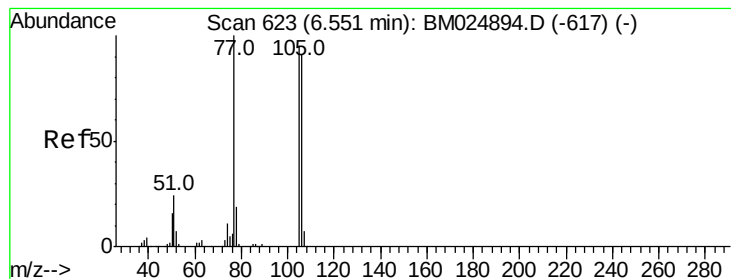
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 15 06:02:17 2020
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.139 ng/ul

RT: 6.57 min Scan# 626

Delta R.T. 0.02 min

Lab File: BM024909.D

Acq: 17 Feb 2020 16:53

Instrument :

BNA_M

ClientSampleId :

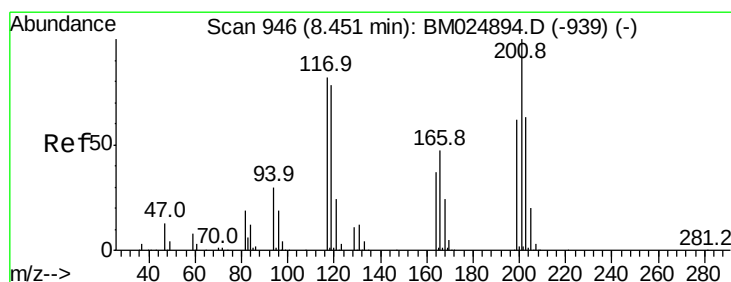
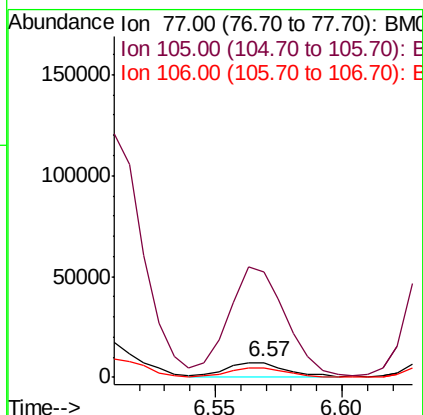
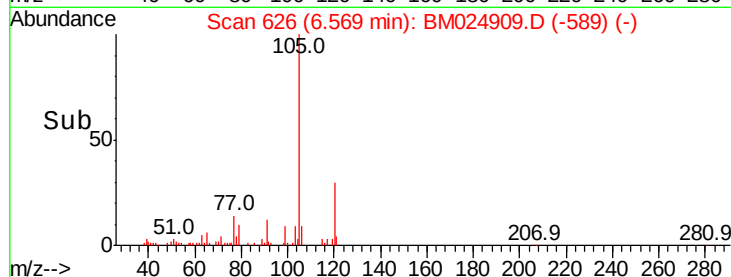
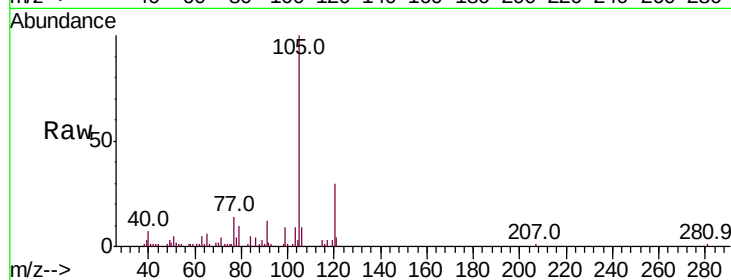
Tot Ion: 77 Resp: 12612

Ion Ratio Lower Upper

77 100

105 709.0 76.2 114.2#

106 60.4 75.4 113.2#



#17

Hexachloroethane

Concen: 2.690 ng/ul

RT: 8.49 min Scan# 952

Delta R.T. 0.04 min

Lab File: BM024909.D

Acq: 17 Feb 2020 16:53

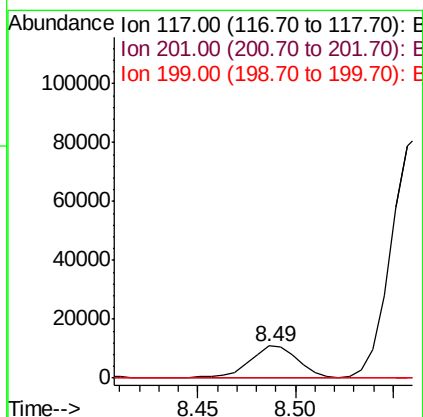
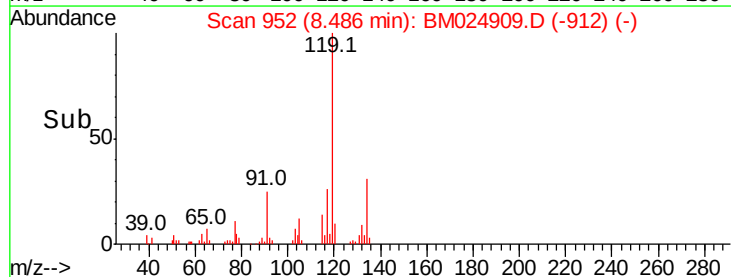
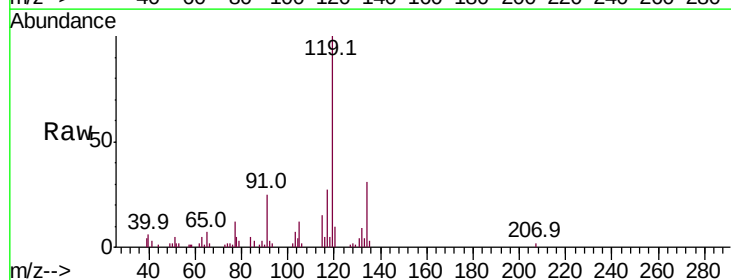
Tgt Ion: 117 Resp: 18649

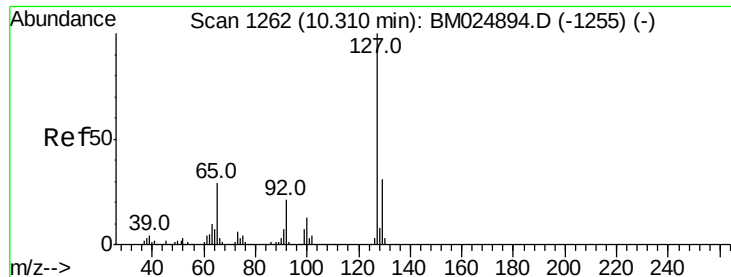
Ion Ratio Lower Upper

117 100

201 0.0 106.6 160.0#

199 0.0 68.0 102.0#

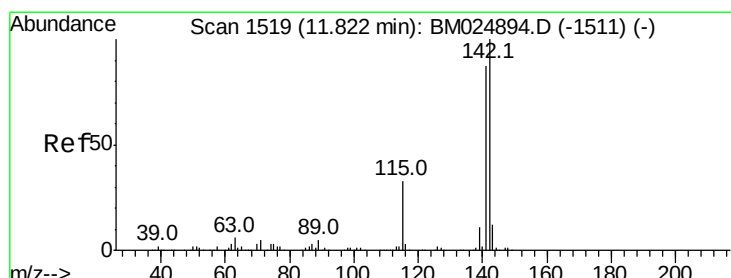
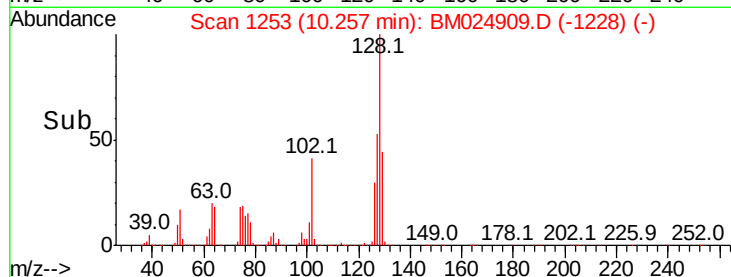
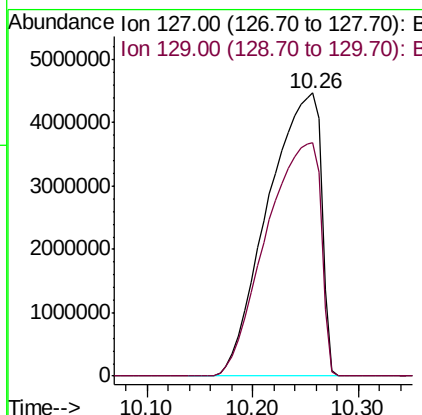
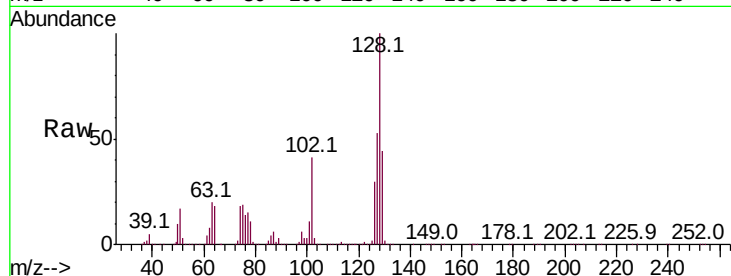




#30
 4-Chloroaniline
 Concen: 1047.379 ng/ul
 RT: 10.26 min Scan# 1253
 Delta R.T. -0.05 min
 Lab File: BM024909.D
 Acq: 17 Feb 2020 16:53

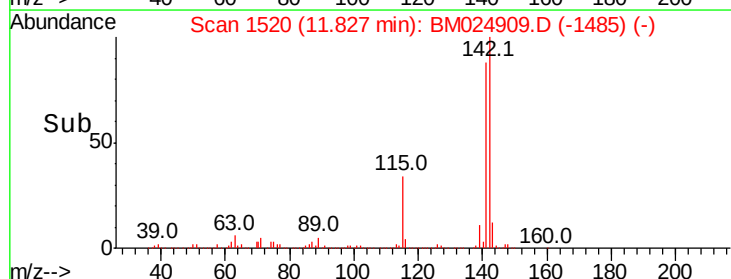
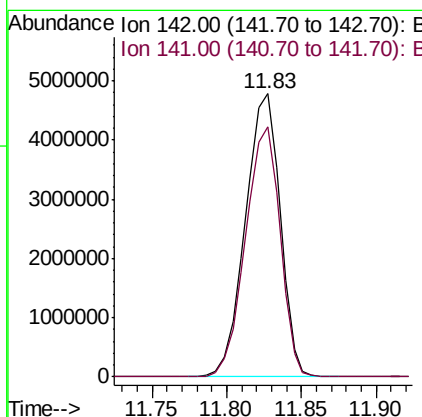
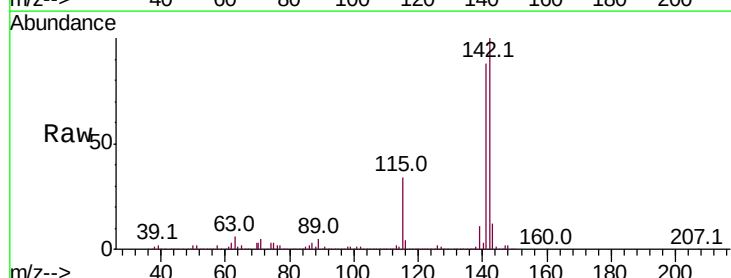
Instrument :
 BNA_M
 ClientSampleId :

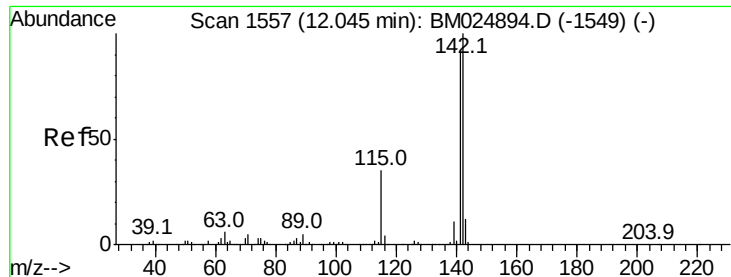
Tot Ion:127 Resp:15705030
 Ion Ratio Lower Upper
 127 100
 129 82.3 25.8 38.8#



#34
 2-Methylnaphthalene
 Concen: 219.897 ng/ul
 RT: 11.83 min Scan# 1520
 Delta R.T. 0.01 min
 Lab File: BM024909.D
 Acq: 17 Feb 2020 16:53

Tgt Ion:142 Resp: 7711599
 Ion Ratio Lower Upper
 142 100
 141 88.4 70.5 105.7





#35

1-Methylnaphthalene

Concen: 143.762 ng/ul

RT: 12.05 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BM024909.D

Acq: 17 Feb 2020 16:53

Instrument :

BNA_M

ClientSampleId :

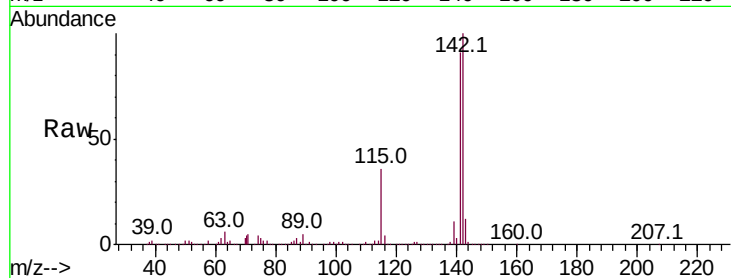
Tot Ion:142 Resp: 5027986

Ion Ratio Lower Upper

142 100

141 91.3 74.1 111.1

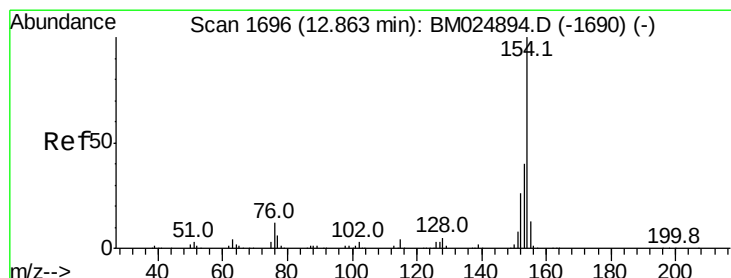
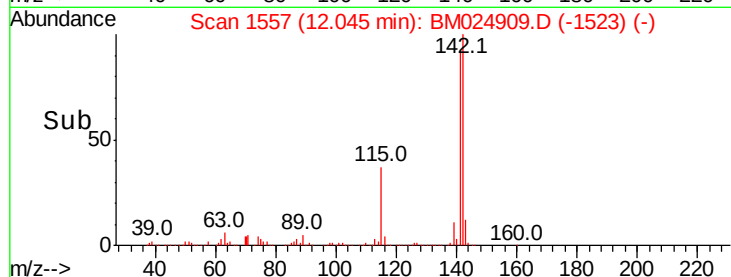
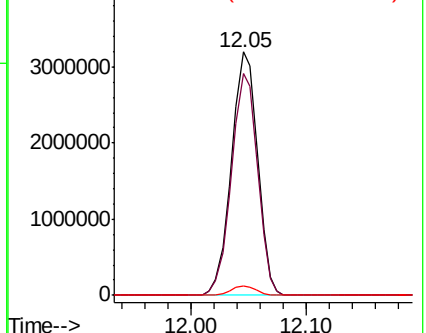
116 3.7 3.0 4.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#41

1,1'-Biphenyl

Concen: 65.847 ng/ul

RT: 12.86 min Scan# 1696

Delta R.T. 0.00 min

Lab File: BM024909.D

Acq: 17 Feb 2020 16:53

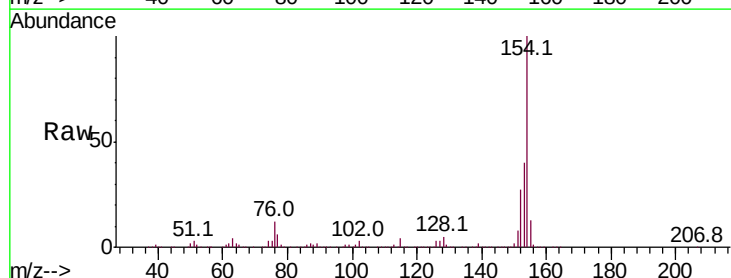
Tgt Ion:154 Resp: 2811695

Ion Ratio Lower Upper

154 100

153 40.2 31.4 47.2

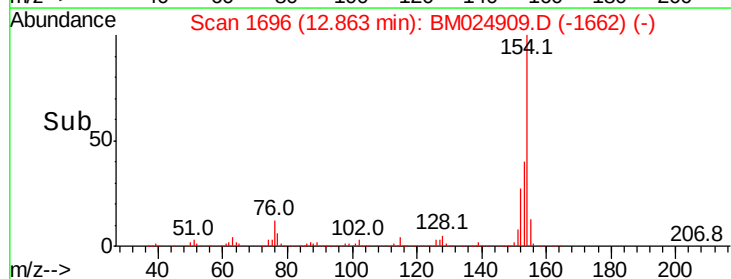
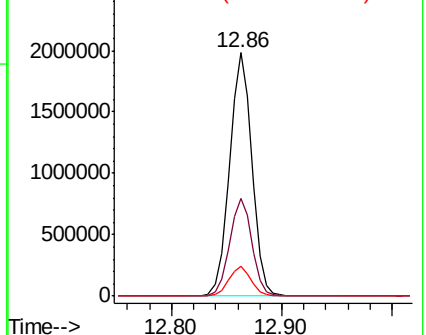
76 12.1 7.5 11.3#

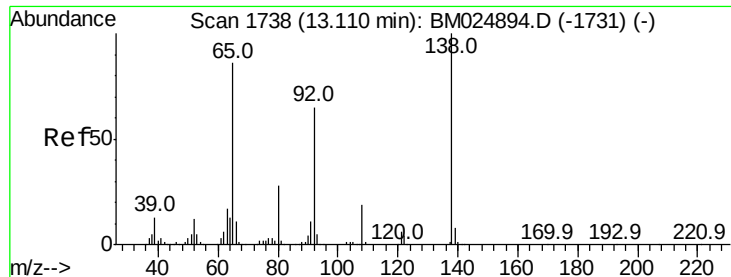


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM

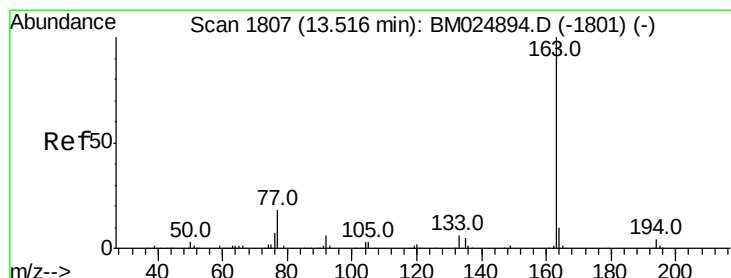
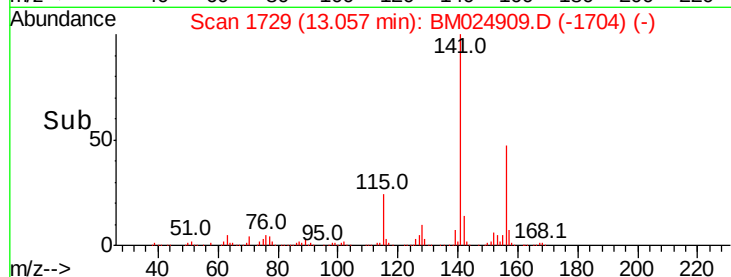
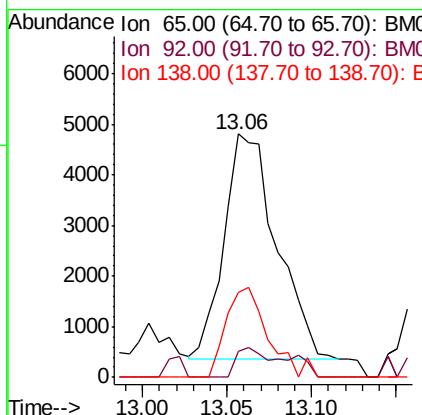
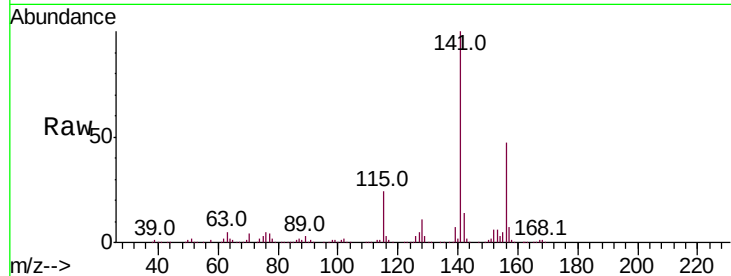




#43
2-Nitroaniline
Concen: 1.312 ng/ul
RT: 13.06 min Scan# 1729
Delta R.T. -0.05 min
Lab File: BM024909.D
Acq: 17 Feb 2020 16:53

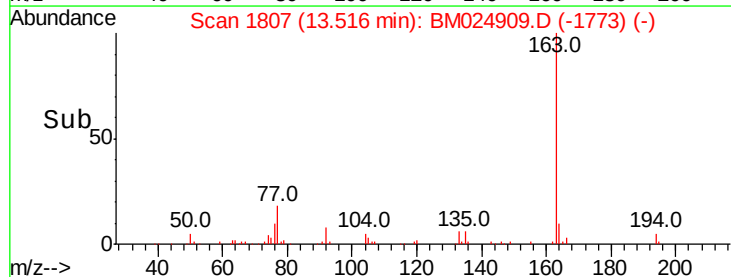
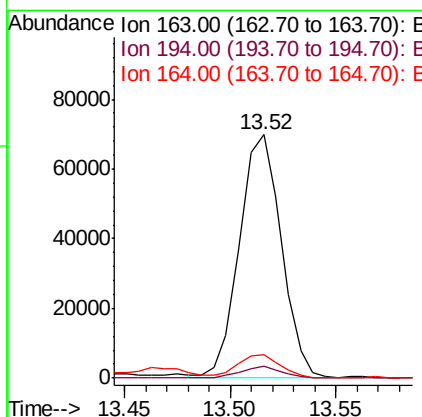
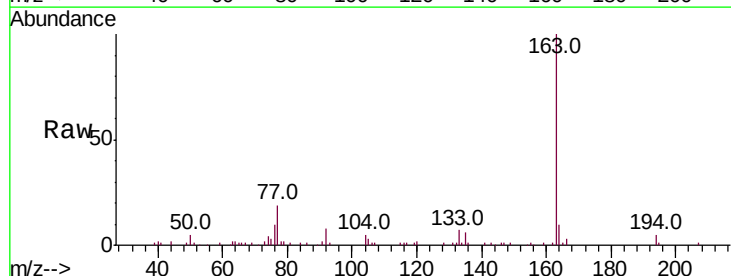
Instrument :
BNA_M
ClientSampleId :

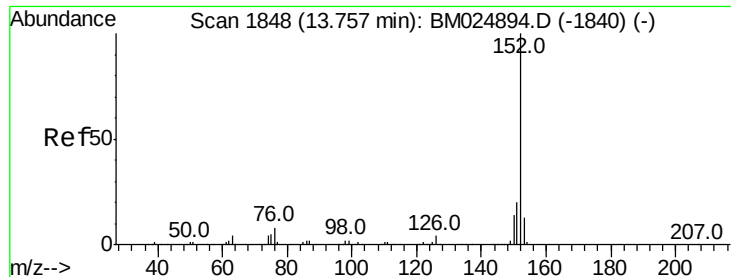
Tot Ion: 65 Resp: 9647
Ion Ratio Lower Upper
65 100
92 10.4 60.2 90.4#
138 35.0 101.8 152.6#



#45
Dimethylphthalate
Concen: 2.122 ng/ul
RT: 13.52 min Scan# 1807
Delta R.T. 0.00 min
Lab File: BM024909.D
Acq: 17 Feb 2020 16:53

Tgt Ion:163 Resp: 96641
Ion Ratio Lower Upper
163 100
194 5.1 3.5 5.3
164 9.7 8.2 12.2





#48

Acenaphthylene

Concen: 2.088 ng/ul

RT: 13.75 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BM024909.D

Acq: 17 Feb 2020 16:53

Instrument :

BNA_M

ClientSampleId :

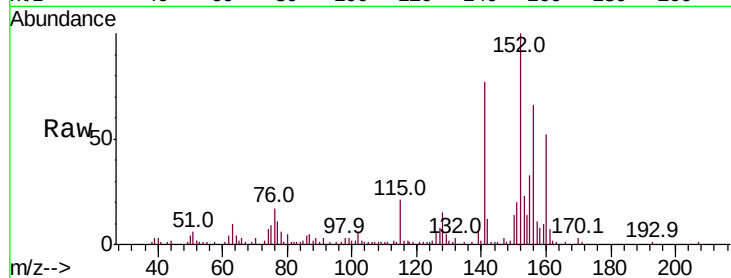
Tot Ion:152 Resp: 110305

Ion Ratio Lower Upper

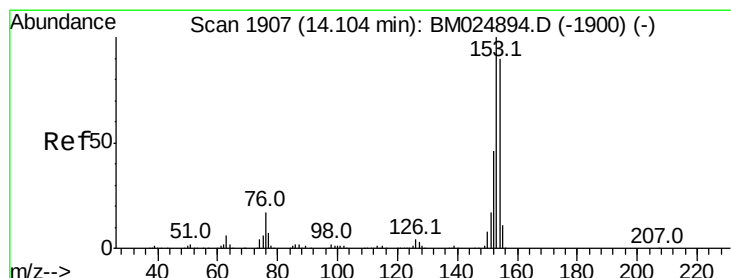
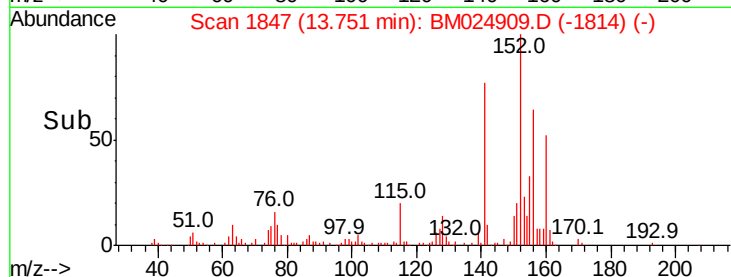
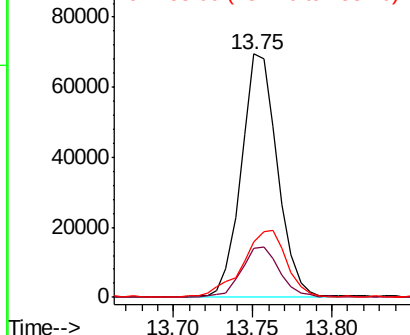
152 100

151 20.2 15.1 22.7

153 22.5 10.1 15.1#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Acenaphthene

Concen: 369.898 ng/ul

RT: 14.12 min Scan# 1909

Delta R.T. 0.01 min

Lab File: BM024909.D

Acq: 17 Feb 2020 16:53

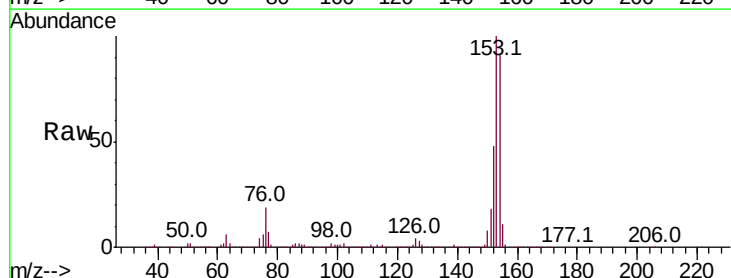
Tgt Ion:153 Resp:13193754

Ion Ratio Lower Upper

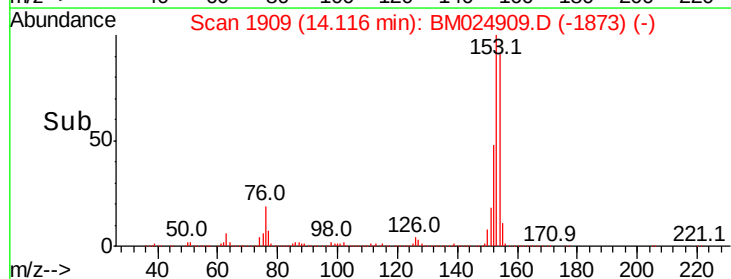
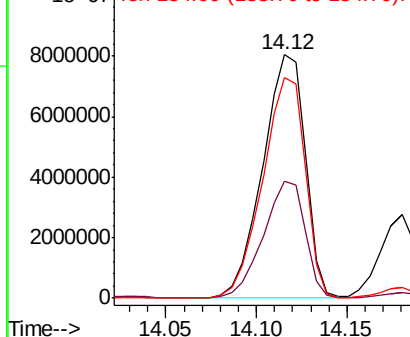
153 100

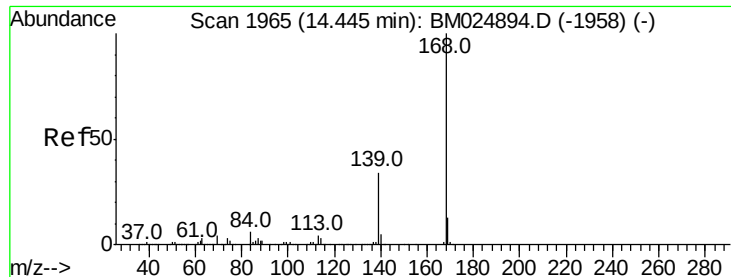
152 47.8 37.3 55.9

154 90.8 74.1 111.1



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 237.345 ng/ul

RT: 14.45 min Scan# 1966

Delta R.T. 0.01 min

Lab File: BM024909.D

Acq: 17 Feb 2020 16:53

Instrument :

BNA_M

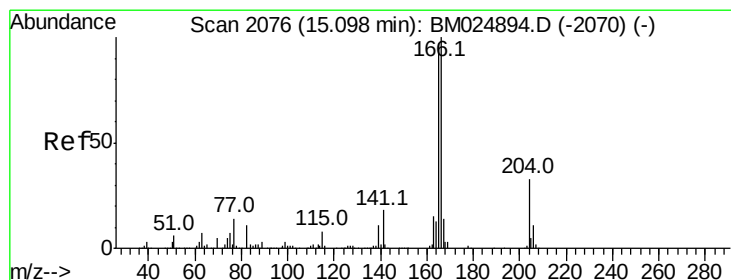
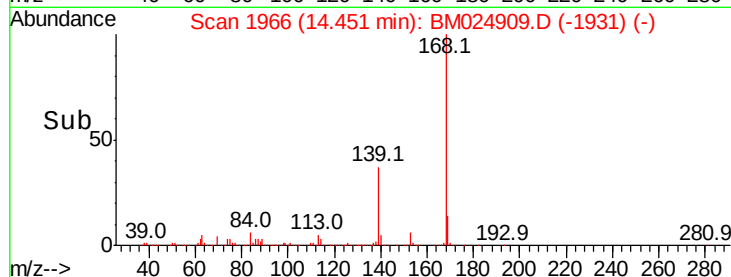
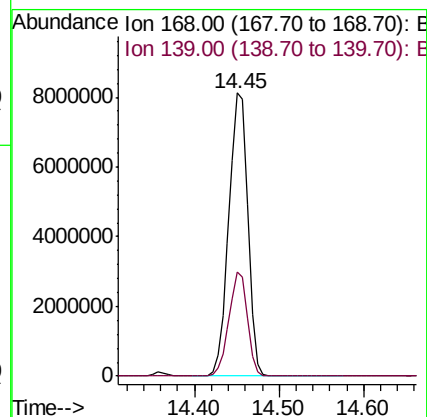
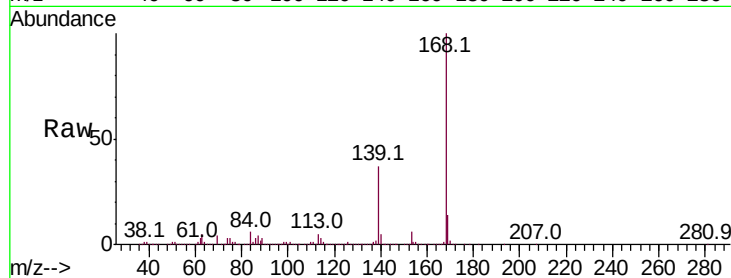
ClientSampleId :

Tot Ion:168 Resp:12619477

Ion Ratio Lower Upper

168 100

139 36.6 27.8 41.8



#59

Fluorene

Concen: 77.729 ng/ul

RT: 15.10 min Scan# 2077

Delta R.T. 0.01 min

Lab File: BM024909.D

Acq: 17 Feb 2020 16:53

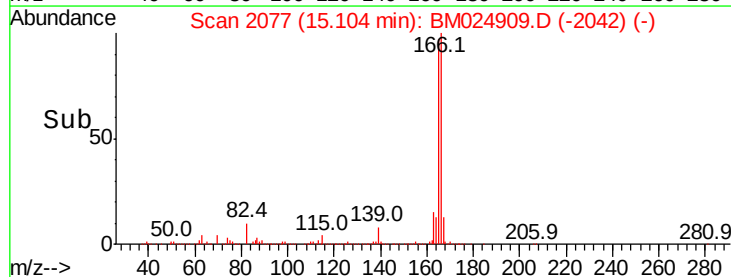
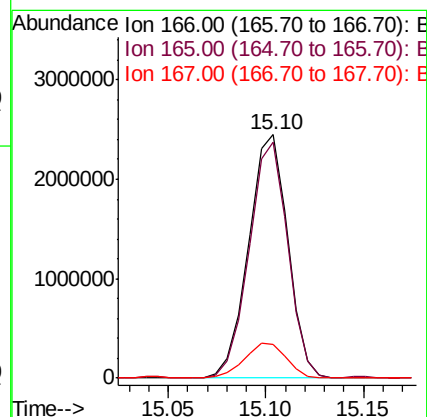
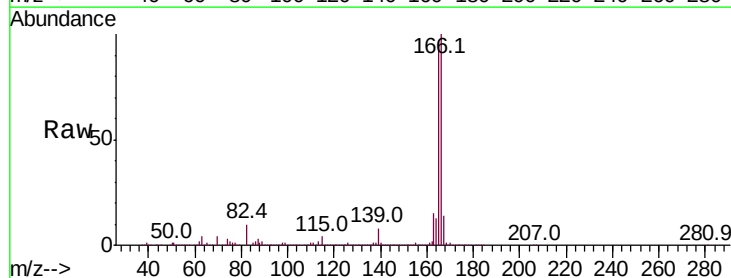
Tgt Ion:166 Resp: 3406092

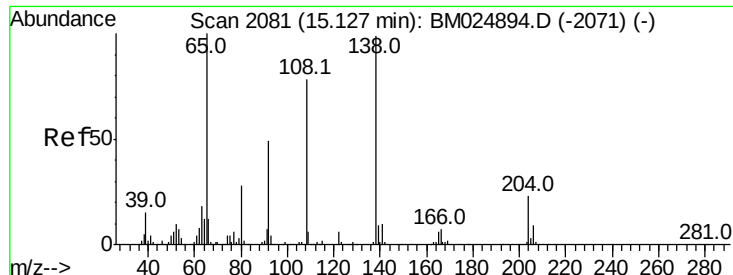
Ion Ratio Lower Upper

166 100

165 96.7 75.8 113.8

167 13.9 10.6 16.0

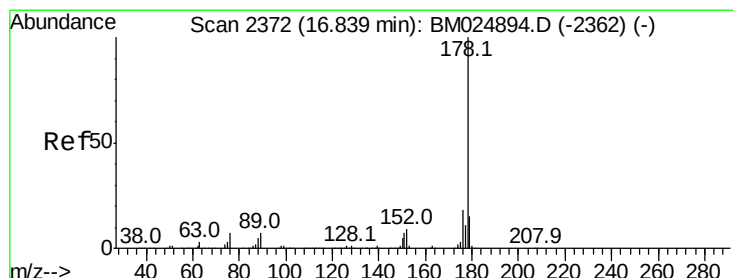
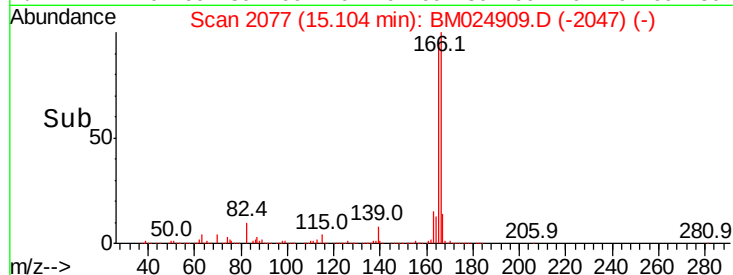
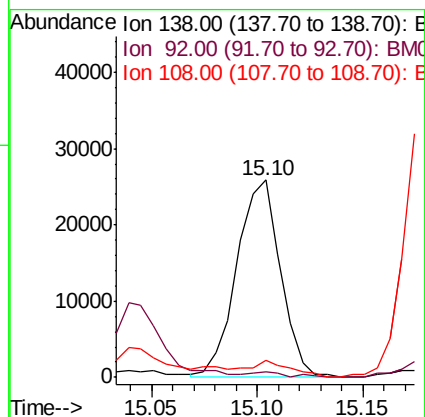
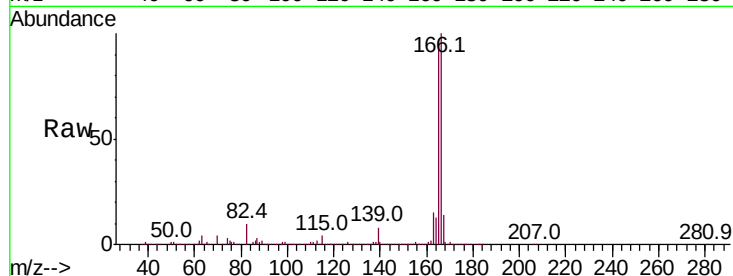




#61
4-Nitroaniline
Concen: 4.330 ng/ul
RT: 15.10 min Scan# 2077
Delta R.T. -0.02 min
Lab File: BM024909.D
Acq: 17 Feb 2020 16:53

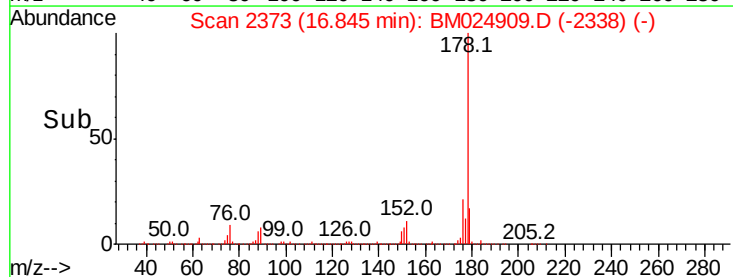
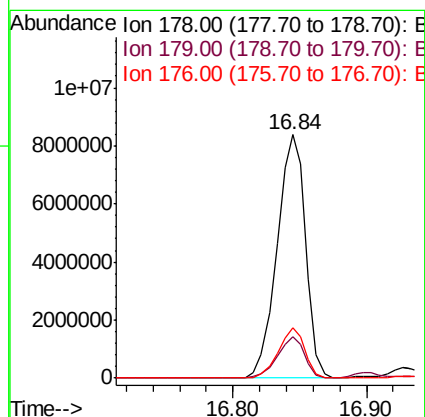
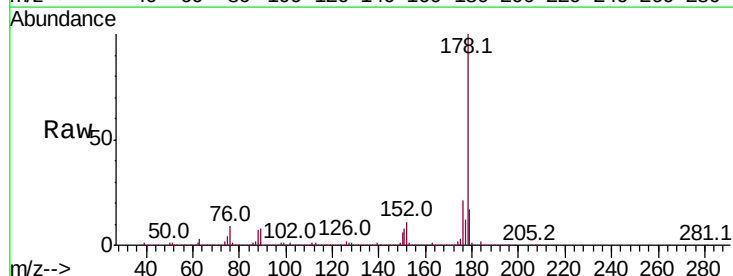
Instrument :
BNA_M
ClientSampleId :

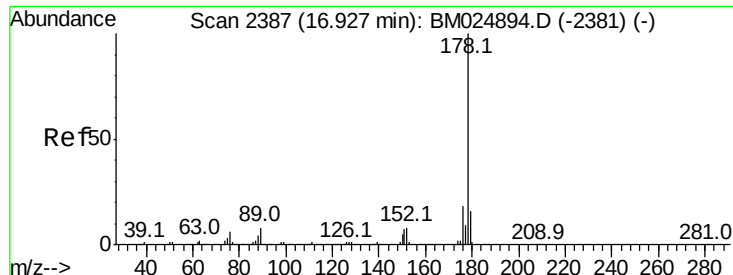
Tot Ion	Ratio	Lower	Upper
138	100		
92	2.6	38.0	57.0#
108	8.4	62.1	93.1#



#70
Phenanthrene
Concen: 187.772 ng/ul
RT: 16.84 min Scan# 2373
Delta R.T. 0.01 min
Lab File: BM024909.D
Acq: 17 Feb 2020 16:53

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.0	12.2	18.2
176	20.5	14.5	21.7





#72

Anthracene

Concen: 7.782 ng/ul

RT: 16.93 min Scan# 2387

Delta R.T. 0.00 min

Lab File: BM024909.D

Acq: 17 Feb 2020 16:53

Instrument :

BNA_M

ClientSampleId :

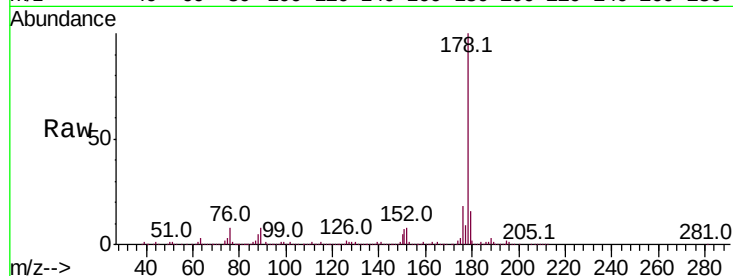
Tot Ion:178 Resp: 523734

Ion Ratio Lower Upper

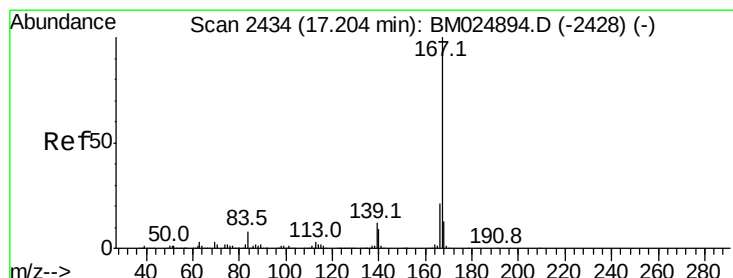
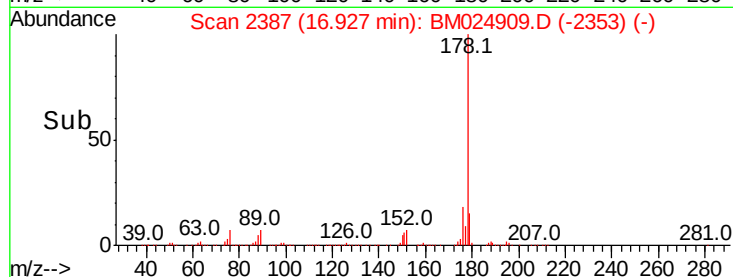
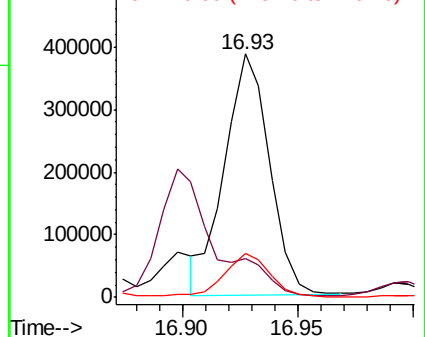
178 100

179 15.8 12.3 18.5

176 17.9 14.1 21.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 115.612 ng/ul

RT: 17.21 min Scan# 2435

Delta R.T. 0.01 min

Lab File: BM024909.D

Acq: 17 Feb 2020 16:53

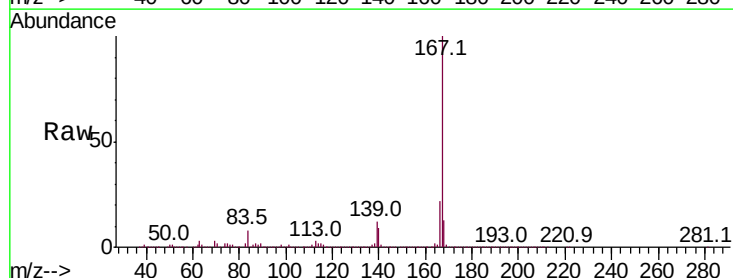
Tgt Ion:167 Resp: 6481915

Ion Ratio Lower Upper

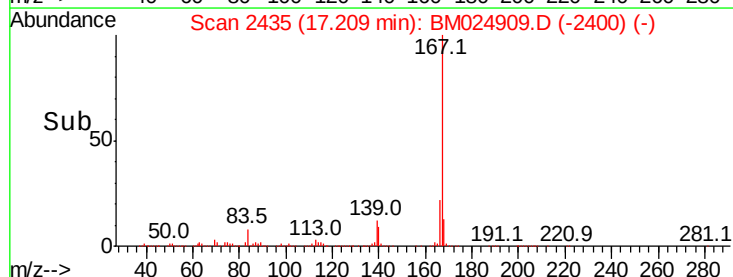
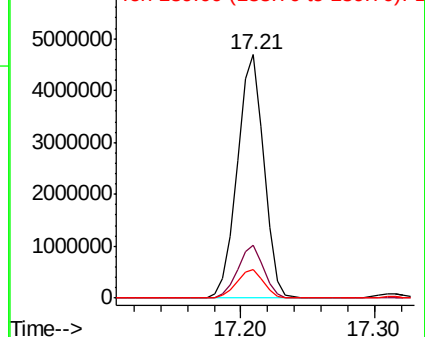
167 100

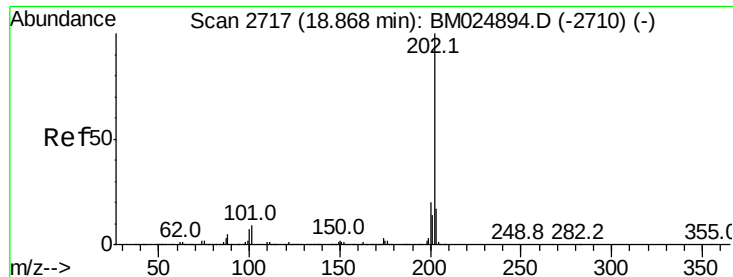
166 21.6 16.6 24.8

139 11.8 9.3 13.9



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E

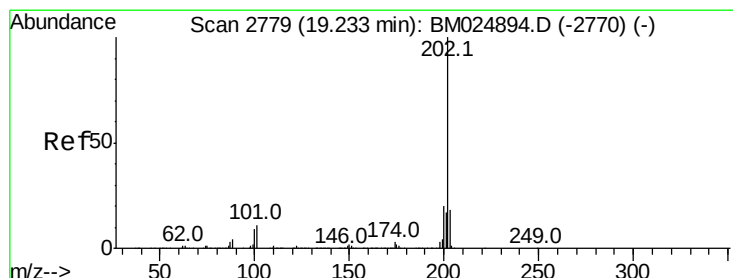
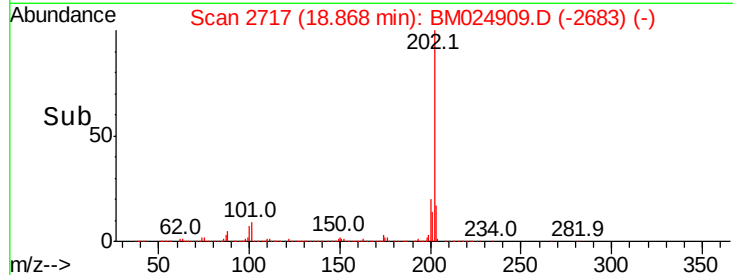
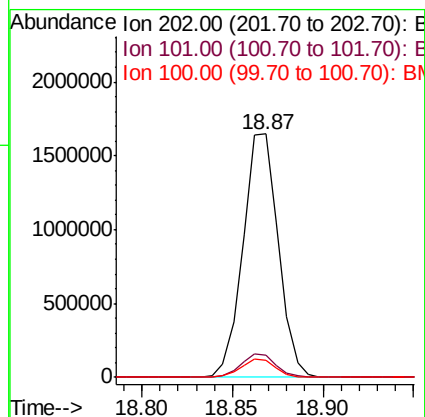
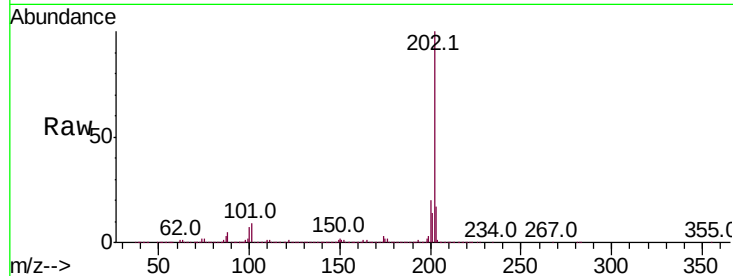




#77
 Fluoranthene
 Concen: 27.321 ng/ul
 RT: 18.87 min Scan# 2717
 Delta R.T. 0.00 min
 Lab File: BM024909.D
 Acq: 17 Feb 2020 16:53

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:202 Resp: 2225562
 Ion Ratio Lower Upper
 202 100
 101 8.9 6.1 9.1
 100 7.0 4.8 7.2



#80
 Pyrene
 Concen: 13.850 ng/ul
 RT: 19.23 min Scan# 2778
 Delta R.T. -0.01 min
 Lab File: BM024909.D
 Acq: 17 Feb 2020 16:53

Tgt Ion:202 Resp: 1174344
 Ion Ratio Lower Upper
 202 100
 101 11.3 7.0 10.4#
 100 9.4 5.8 8.8#

