

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
 Data File : BN006055.D
 Acq On : 04 Jun 2019 02:57
 Operator : JU/SJ
 Sample : K2923-22RE
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jun 04 03:47:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 03 14:55:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	467492	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	1903505	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.38	164	955521	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	1632509	20.00	ng/ul	0.00
77) Chrysene-d12	21.35	240	1190027	20.00	ng/ul	0.00
85) Perylene-d12	23.64	264	1421324	20.00	ng/ul	0.00

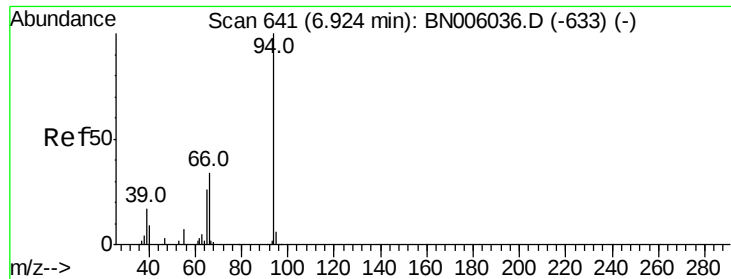
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	31972	3.18	ng/uL	0.00
5) Phenol-d5	6.90	99	666047	17.24	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.06	67	399780	18.30	ng/ul	0.00
9) 2-Chlorophenol-d4	7.26	132	553036	18.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.44	113	516055	16.70	ng/ul	0.00
19) Nitrobenzene-d5	8.88	128	272582	19.83	ng/ul	0.00
22) 2-Nitrophenol-d4	9.60	143	277640	18.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.14	165	538793	19.50	ng/ul	0.00
29) 4-Chloroaniline-d4	10.66	131	120263	3.54	ng/ul	0.00
43) Dimethylphthalate-d6	13.79	166	1588885	23.51	ng/ul	0.00
46) Acenaphthylene-d8	14.08	160	1911159	21.97	ng/ul	0.00
51) 4-Nitrophenol-d4	14.60	143	146760	11.75	ng/ul	0.01
57) Fluorene-d10	15.38	176	1235957	21.59	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.52	200	26605	3.36	ng/ul	0.00
70) Anthracene-d10	17.24	188	1591293	23.26	ng/ul	0.00
78) Pyrene-d10	19.55	212	1504360	22.16	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.50	264	1459767	23.12	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.93	94	42447	1.076	ng/ul#	92
44) Dimethylphthalate	13.84	163	590531	8.826	ng/ul	100
47) Acenaphthylene	14.11	152	325332	3.807	ng/ul	99
53) Dibenzofuran	14.78	168	174610	2.136	ng/ul	100
58) Fluorene	15.44	166	236979	3.752	ng/ul	100
69) Phenanthrene	17.18	178	3877262	48.943	ng/ul	99
71) Anthracene	17.27	178	803379	9.986	ng/ul	99
74) Carbazole	17.54	167	262080	3.787	ng/ul	99
76) Fluoranthene	19.21	202	4452726	57.756	ng/ul	99
79) Pyrene	19.58	202	3626235	42.278	ng/ul	98
82) Benzo(a)anthracene	21.34	228	1750836	23.811	ng/ul	96
83) Bis(2-ethylhexyl)phthalate	21.26	149	78424	1.470	ng/ul#	96
84) Chrysene	21.39	228	1625379	23.363	ng/ul	97
87) Benzo(b)fluoranthene	22.96	252	2057589	26.247	ng/ul#	94
88) Benzo(k)fluoranthene	22.96	252	2057589	27.086	ng/ul#	94
90) Benzo(a)pyrene	23.54	252	1369165	18.369	ng/ul	94
91) Indeno(1,2,3-cd)pyrene	25.96	276	929047	10.827	ng/ul	95
92) Dibenz(a,h)anthracene	25.96	278	263463	3.642	ng/ul#	77
93) Benzo(g,h,i)perylene	26.68	276	751608	10.641	ng/ul	98

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



#6

Phenol

Concen: 1.076 ng/ul

RT: 6.93 min Scan# 642

Delta R.T. 0.01 min

Lab File: BN006055.D

Acq: 04 Jun 2019 02:57

Instrument :

BNA_N

ClientSampleId :

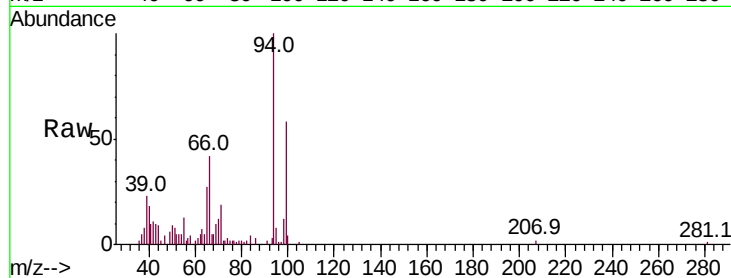
Tot Ion: 94 Resp: 42447

Ion Ratio Lower Upper

94 100

65 27.5 21.1 31.7

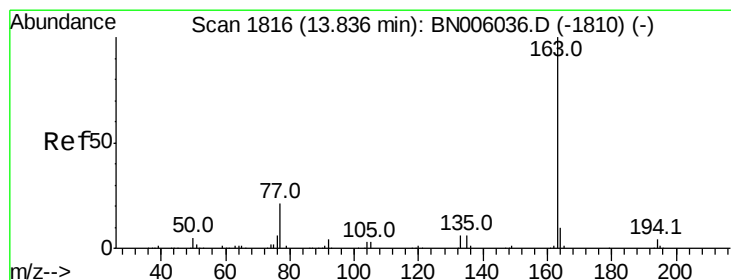
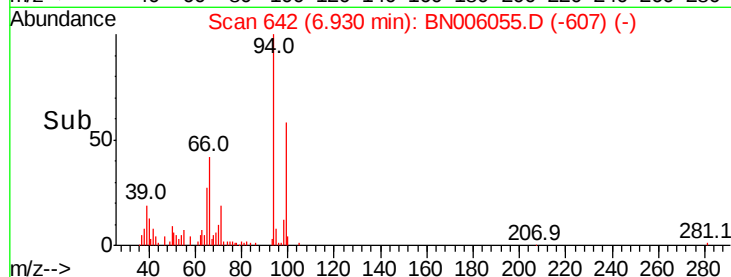
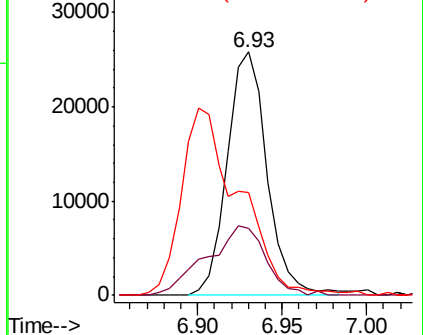
66 42.4 28.2 42.2#



Abundance Ion 94.00 (93.70 to 94.70): BN006036.D (-633) (-)

Ion 65.00 (64.70 to 65.70): BN006036.D (-633) (-)

Ion 66.00 (65.70 to 66.70): BN006036.D (-633) (-)



#44

Dimethylphthalate

Concen: 8.826 ng/ul

RT: 13.84 min Scan# 1816

Delta R.T. -0.00 min

Lab File: BN006055.D

Acq: 04 Jun 2019 02:57

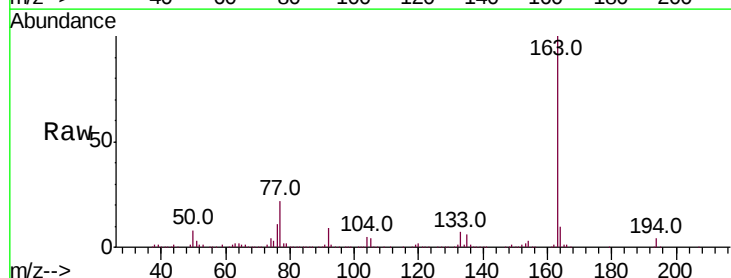
Tgt Ion:163 Resp: 590531

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

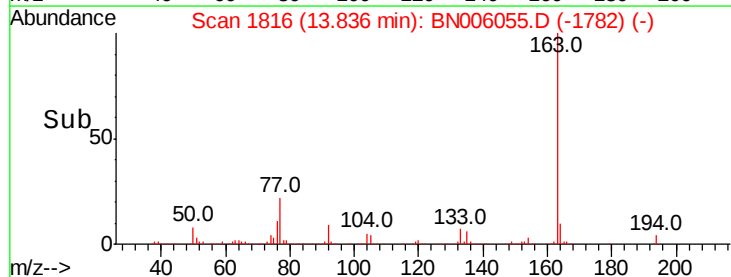
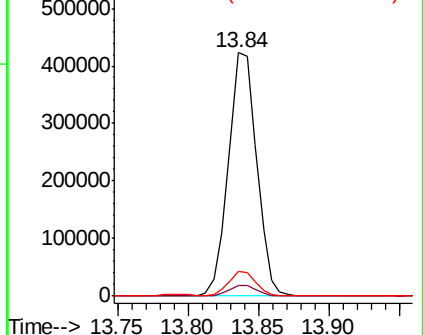
164 10.4 8.2 12.4

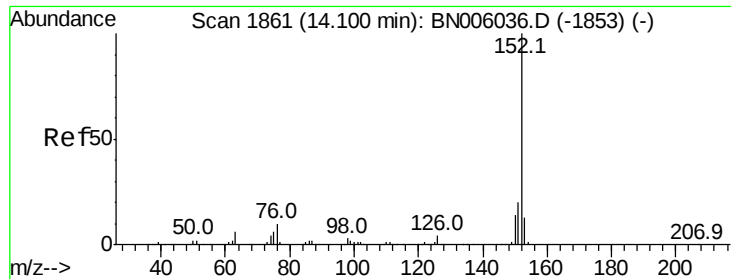


Abundance Ion 163.00 (162.70 to 163.70): BN006036.D (-1810) (-)

Ion 194.00 (193.70 to 194.70): BN006036.D (-1810) (-)

Ion 164.00 (163.70 to 164.70): BN006036.D (-1810) (-)





#47

Acenaphthylene

Concen: 3.807 ng/ul

RT: 14.11 min Scan# 1862

Delta R.T. 0.01 min

Lab File: BN006055.D

Acq: 04 Jun 2019 02:57

Instrument :

BNA_N

ClientSampleId :

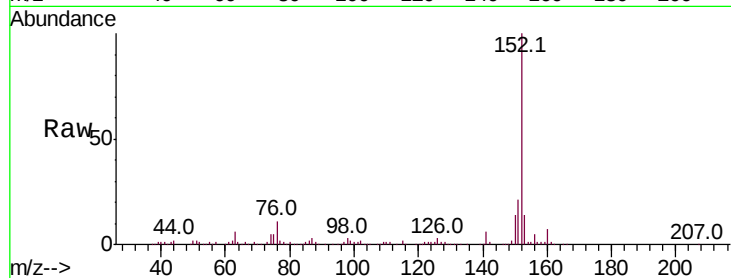
Tot Ion:152 Resp: 325332

Ion Ratio Lower Upper

152 100

151 20.6 16.2 24.2

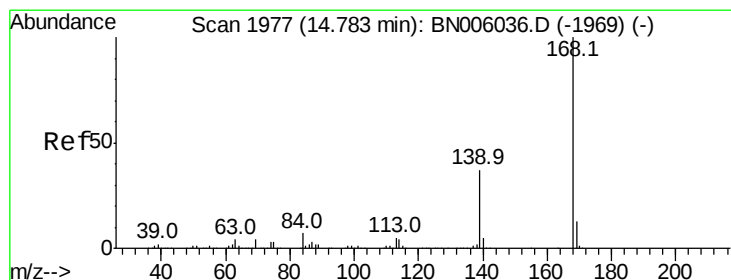
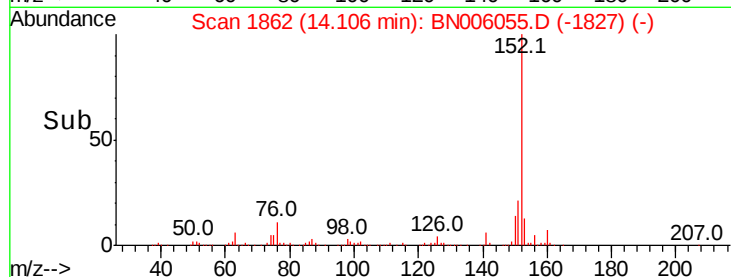
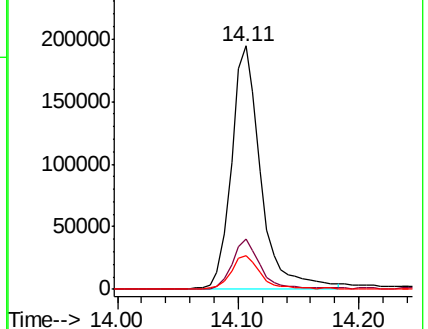
153 13.6 10.5 15.7



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



#53

Dibenzofuran

Concen: 2.136 ng/ul

RT: 14.78 min Scan# 1977

Delta R.T. -0.00 min

Lab File: BN006055.D

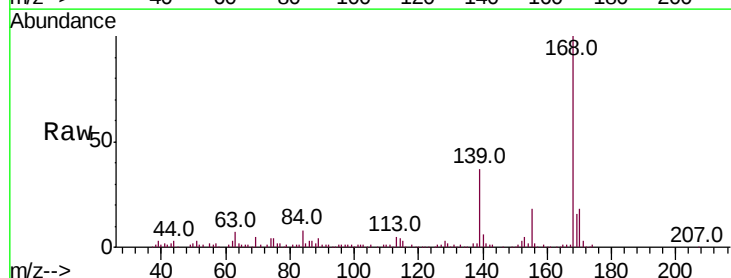
Acq: 04 Jun 2019 02:57

Tgt Ion:168 Resp: 174610

Ion Ratio Lower Upper

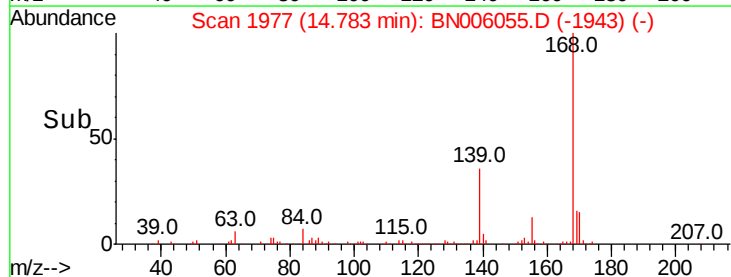
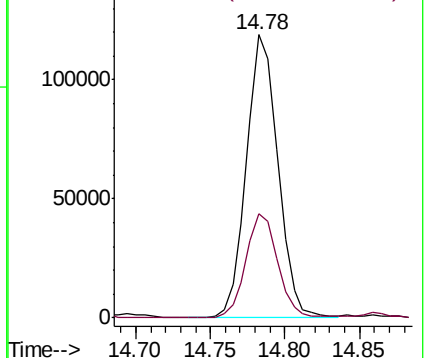
168 100

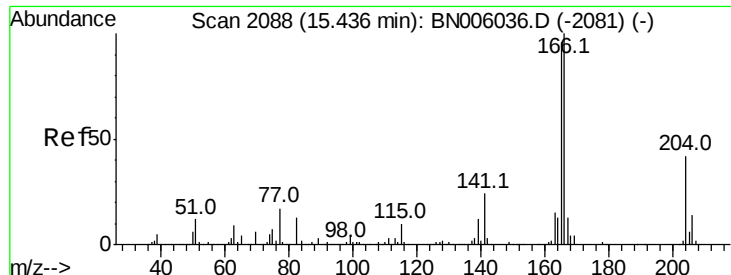
139 36.9 29.8 44.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 3.752 ng/ul

RT: 15.44 min Scan# 2088

Delta R.T. -0.00 min

Lab File: BN006055.D

Acq: 04 Jun 2019 02:57

Instrument :

BNA_N

ClientSampleId :

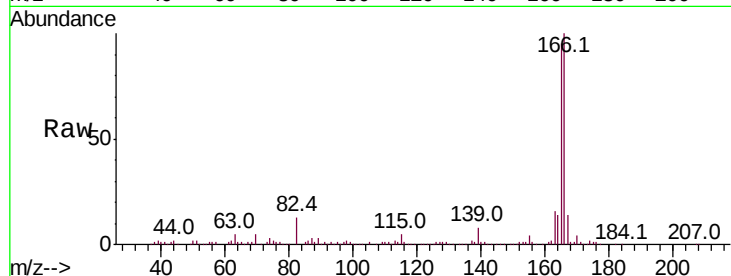
Tot Ion:166 Resp: 236979

Ion Ratio Lower Upper

166 100

165 95.5 76.6 115.0

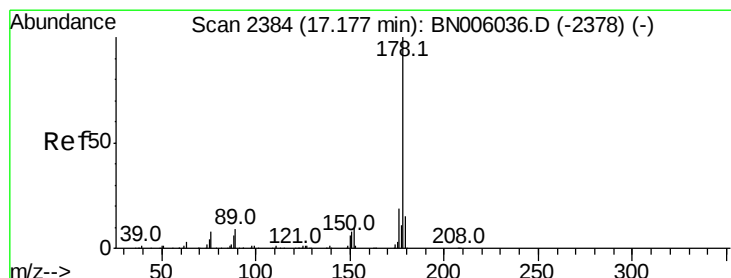
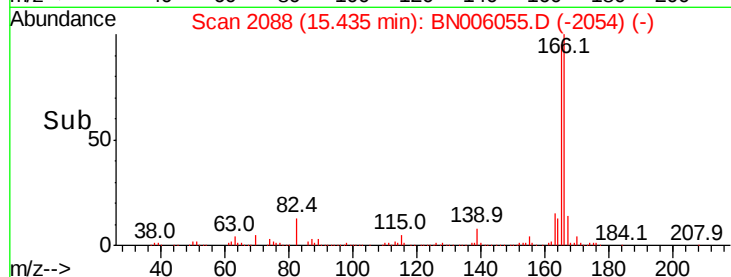
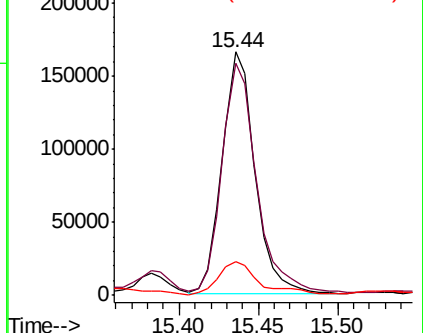
167 13.9 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 48.943 ng/ul

RT: 17.18 min Scan# 2385

Delta R.T. 0.01 min

Lab File: BN006055.D

Acq: 04 Jun 2019 02:57

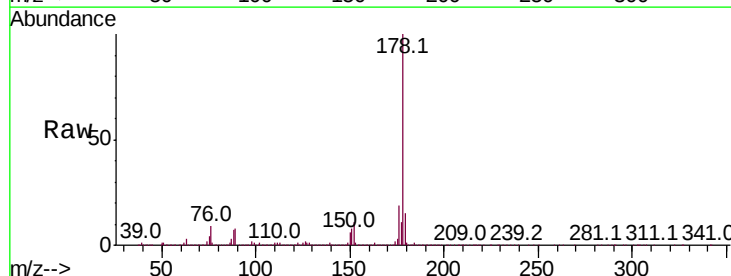
Tgt Ion:178 Resp: 3877262

Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

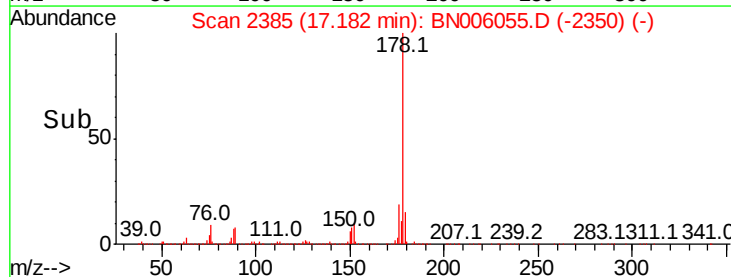
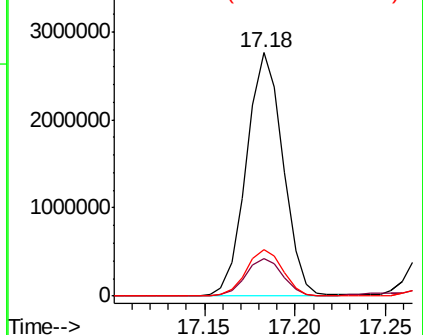
176 19.1 15.0 22.4

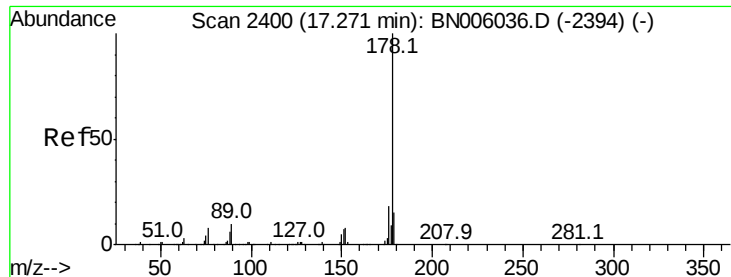


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 9.986 ng/ul

RT: 17.27 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BN006055.D

Acq: 04 Jun 2019 02:57

Instrument :

BNA_N

ClientSampleId :

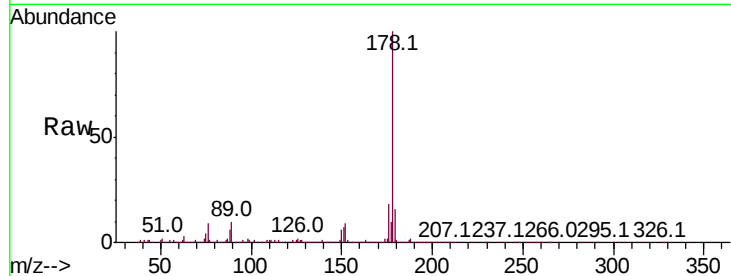
Tot Ion:178 Resp: 803379

Ion Ratio Lower Upper

178 100

179 15.7 12.4 18.6

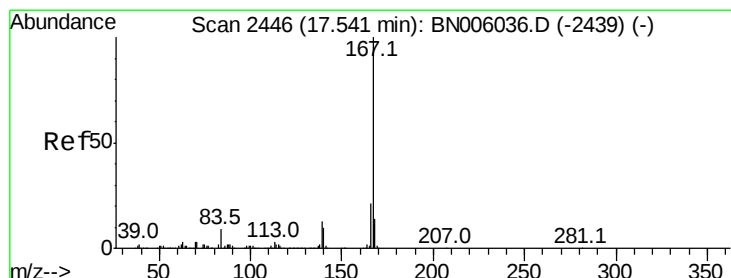
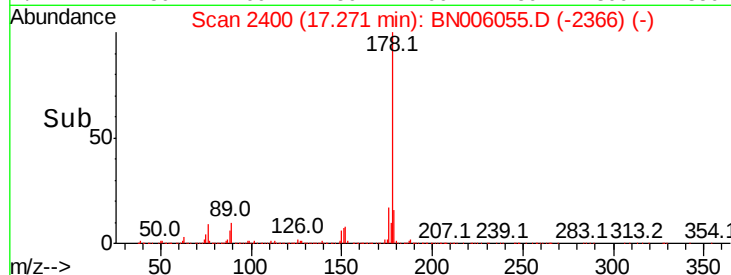
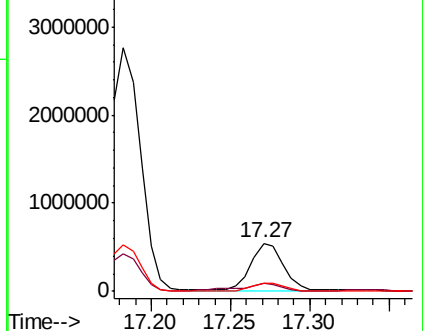
176 17.6 14.8 22.2



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



#74

Carbazole

Concen: 3.787 ng/ul

RT: 17.54 min Scan# 2446

Delta R.T. -0.00 min

Lab File: BN006055.D

Acq: 04 Jun 2019 02:57

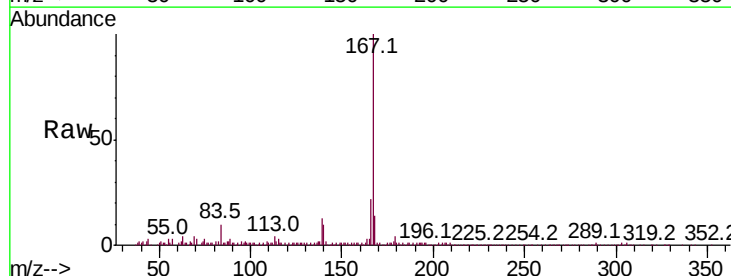
Tgt Ion:167 Resp: 262080

Ion Ratio Lower Upper

167 100

166 21.8 17.0 25.6

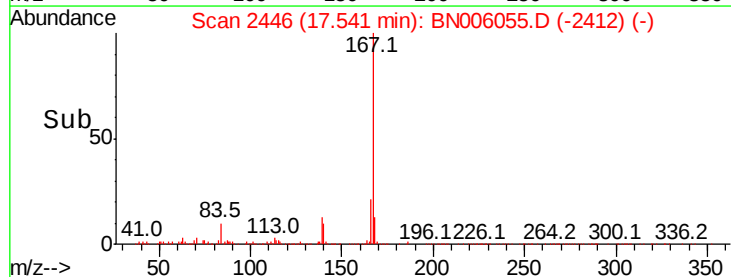
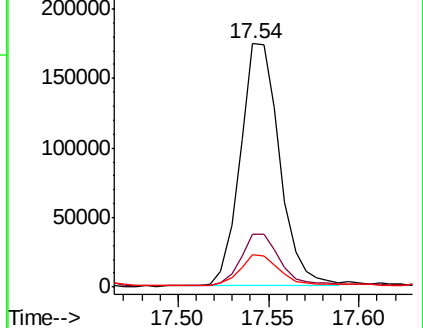
139 13.4 10.4 15.6

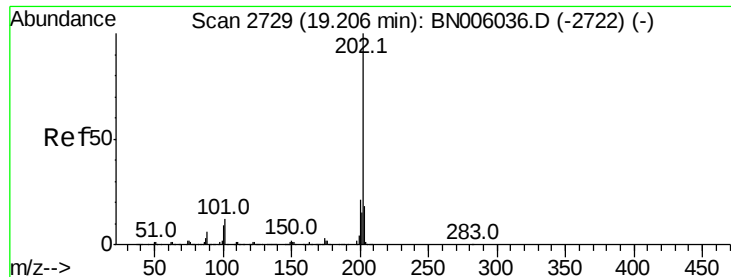


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

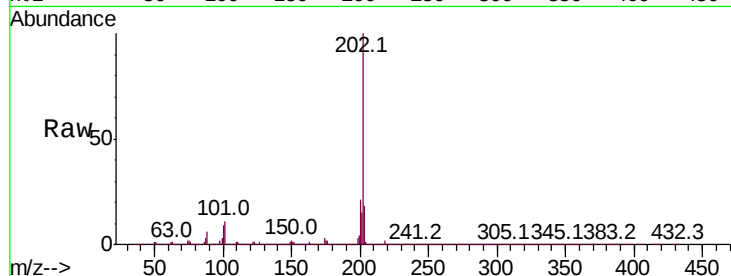




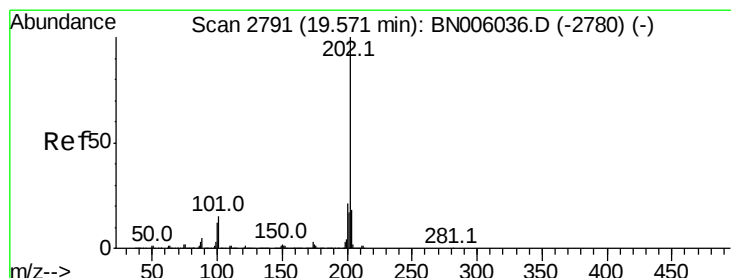
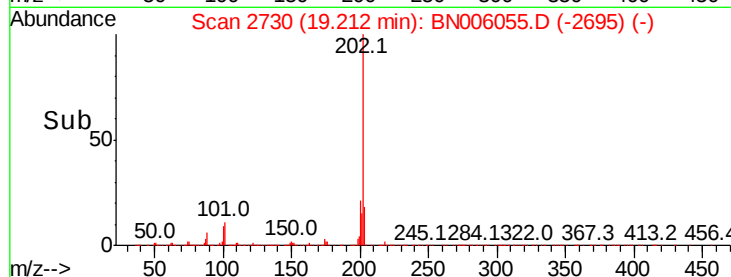
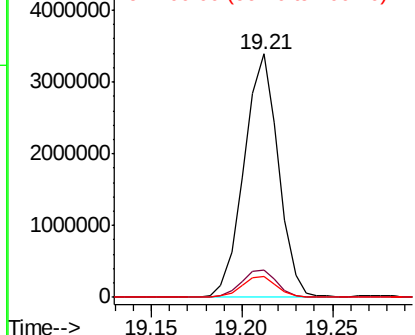
#76
Fluoranthene
Concen: 57.756 ng/ul
RT: 19.21 min Scan# 2730
Delta R.T. 0.01 min
Lab File: BN006055.D
Acq: 04 Jun 2019 02:57

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 4452726
Ion Ratio Lower Upper
202 100
101 11.5 9.6 14.4
100 8.7 7.1 10.7

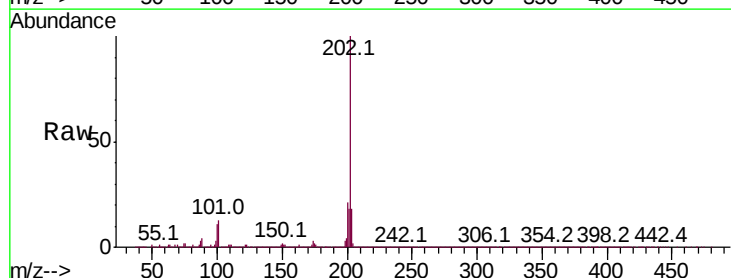


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

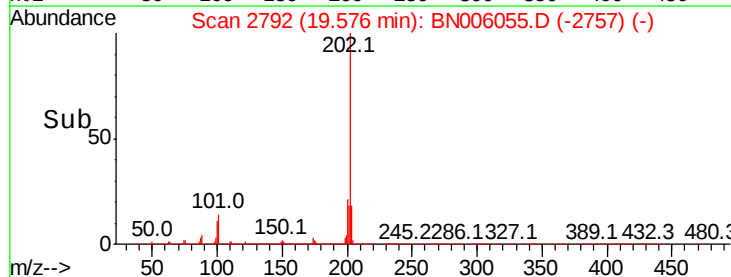
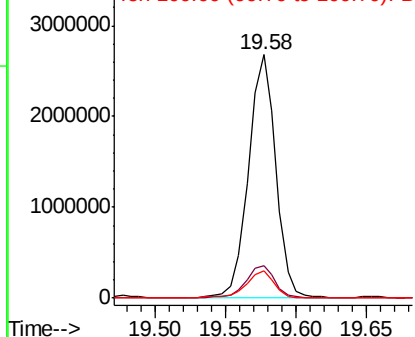


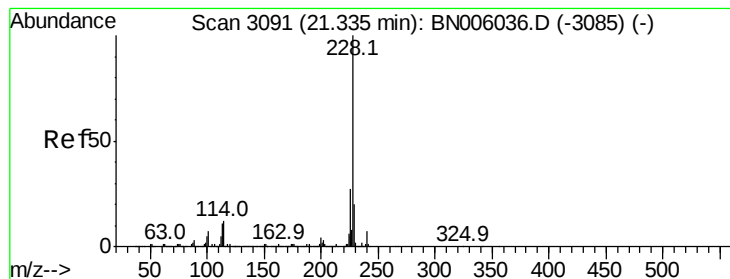
#79
Pyrene
Concen: 42.278 ng/ul
RT: 19.58 min Scan# 2792
Delta R.T. 0.01 min
Lab File: BN006055.D
Acq: 04 Jun 2019 02:57

Tgt Ion:202 Resp: 3626235
Ion Ratio Lower Upper
202 100
101 13.5 11.6 17.4
100 11.0 9.4 14.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 23.811 ng/ul

RT: 21.34 min Scan# 3091

Delta R.T. -0.00 min

Lab File: BN006055.D

Acq: 04 Jun 2019 02:57

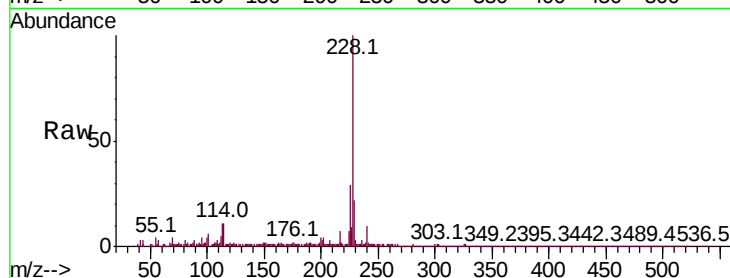
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 1750836

Ion	Ratio	Lower	Upper
228	100		
229	21.5	15.8	23.8
226	28.8	21.6	32.4

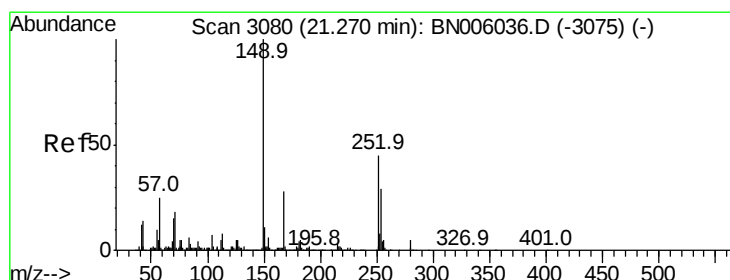
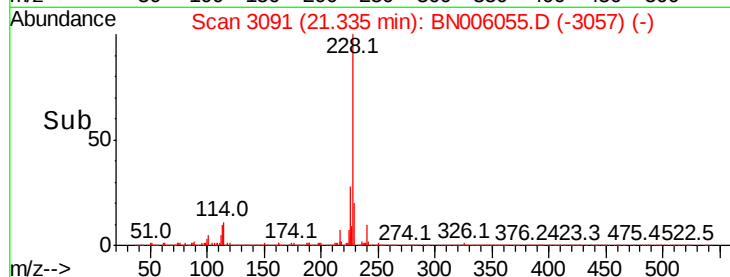
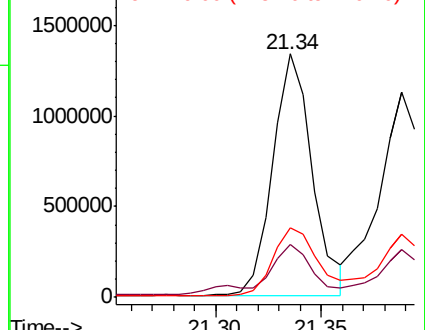


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 1.470 ng/ul

RT: 21.26 min Scan# 3079

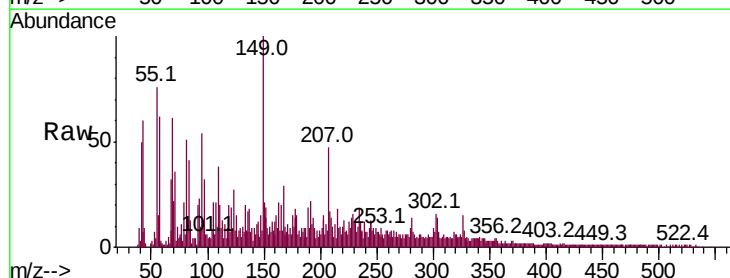
Delta R.T. -0.01 min

Lab File: BN006055.D

Acq: 04 Jun 2019 02:57

Tgt Ion:149 Resp: 78424

Ion	Ratio	Lower	Upper
149	100		
167	29.5	22.5	33.7
279	9.0	3.6	5.4

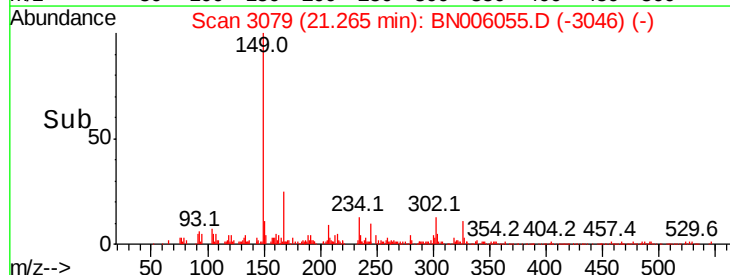
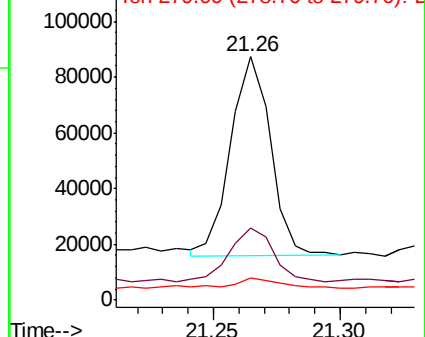


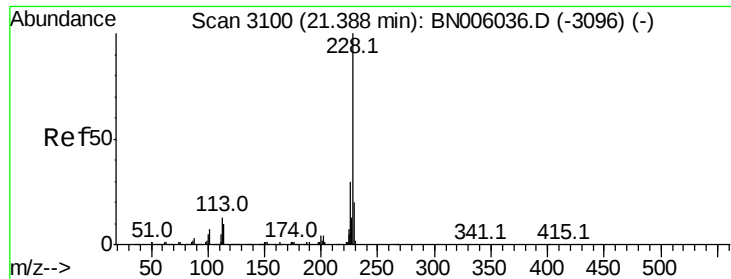
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 23.363 ng/ul

RT: 21.39 min Scan# 3100

Delta R.T. -0.00 min

Lab File: BN006055.D

Acq: 04 Jun 2019 02:57

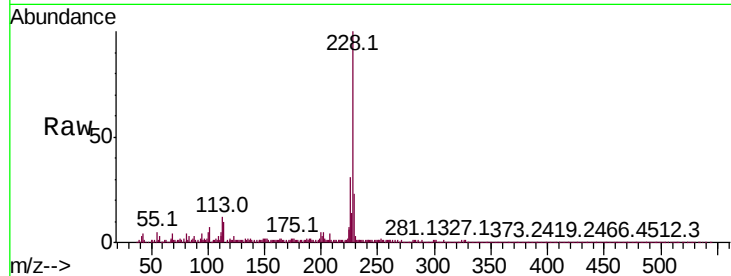
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 1625379

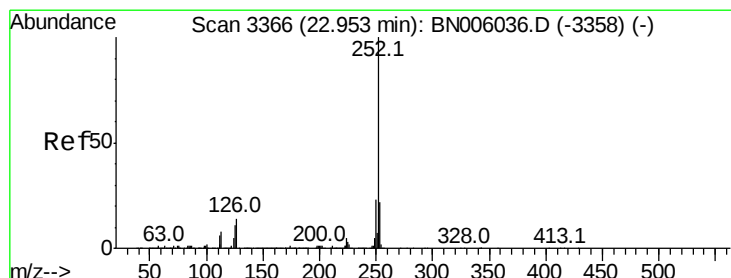
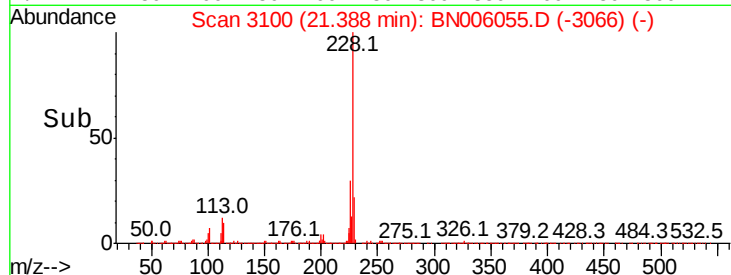
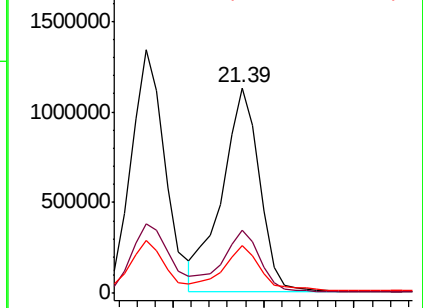
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.2	36.4
229	23.2	16.3	24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Benzo(b)fluoranthene

Concen: 26.247 ng/ul

RT: 22.96 min Scan# 3367

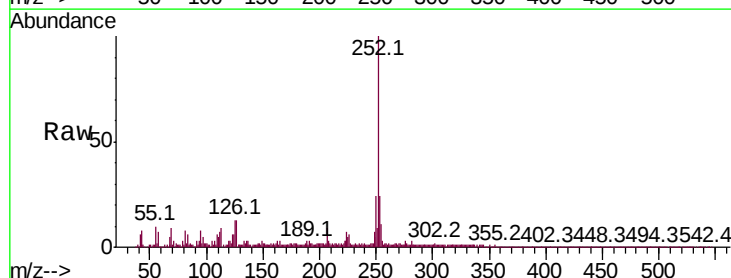
Delta R.T. 0.01 min

Lab File: BN006055.D

Acq: 04 Jun 2019 02:57

Tgt Ion:252 Resp: 2057589

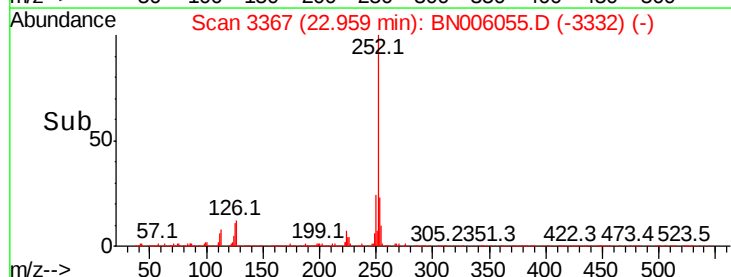
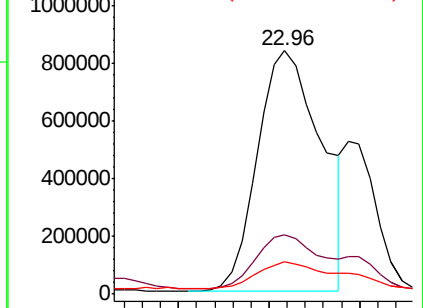
Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.3	25.9
125	13.1	8.5	12.7

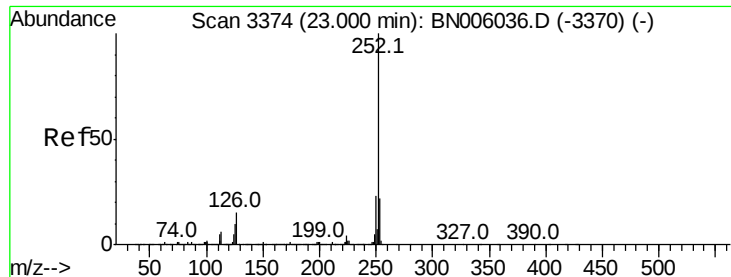


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 27.086 ng/ul

RT: 22.96 min Scan# 3367

Delta R.T. -0.04 min

Lab File: BN006055.D

Acq: 04 Jun 2019 02:57

Instrument :

BNA_N

ClientSampleId :

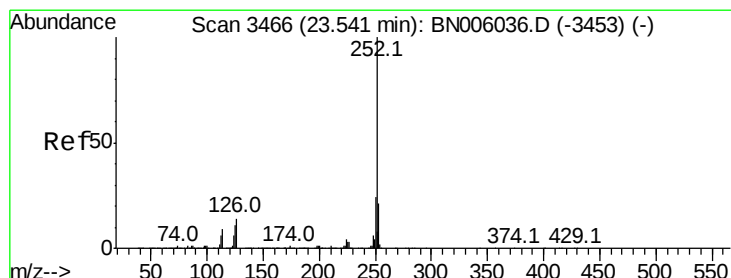
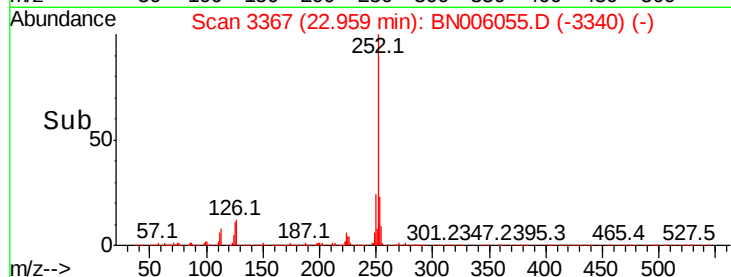
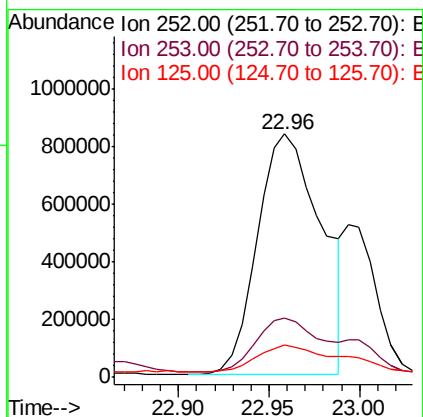
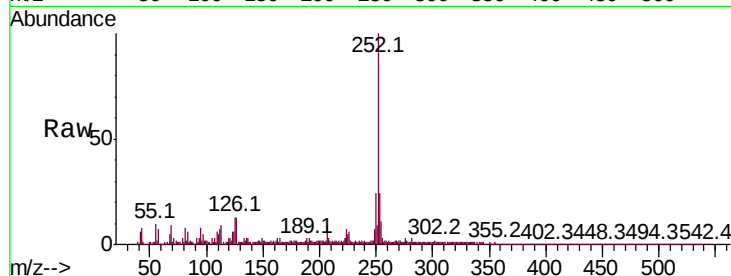
Tot Ion:252 Resp: 2057589

Ion Ratio Lower Upper

252 100

253 24.5 17.5 26.3

125 13.1 8.2 12.4#



#90

Benzo(a)pyrene

Concen: 18.369 ng/ul

RT: 23.54 min Scan# 3466

Delta R.T. -0.00 min

Lab File: BN006055.D

Acq: 04 Jun 2019 02:57

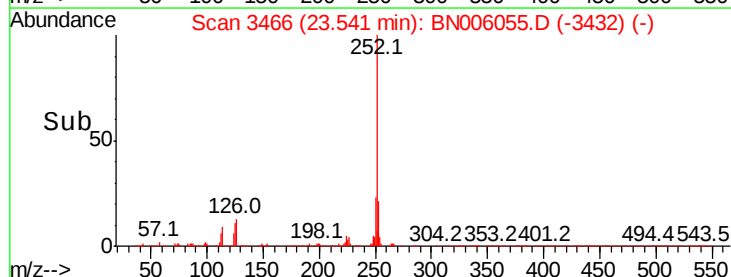
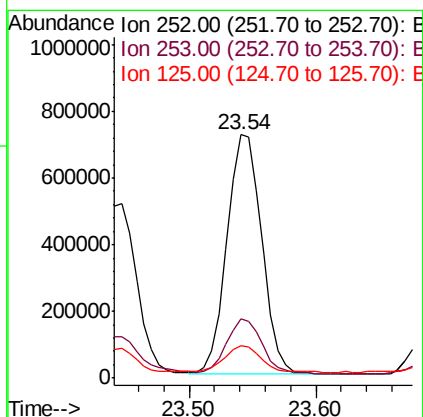
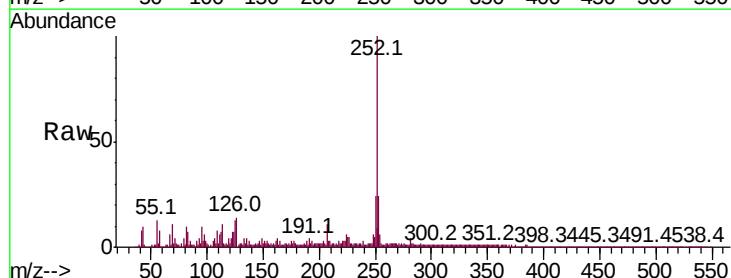
Tgt Ion:252 Resp: 1369165

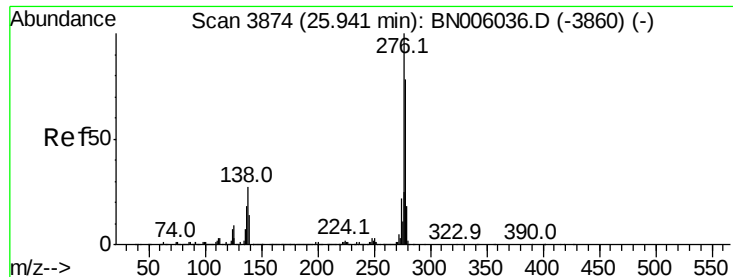
Ion Ratio Lower Upper

252 100

253 24.5 17.1 25.7

125 13.2 9.2 13.8



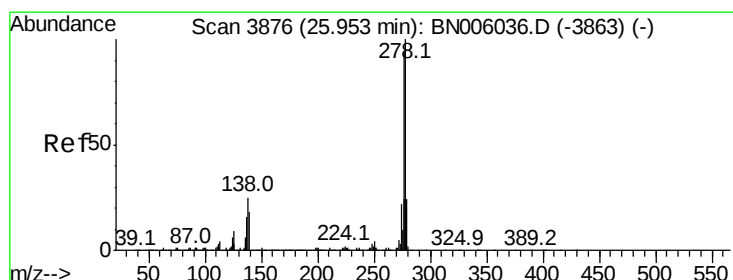
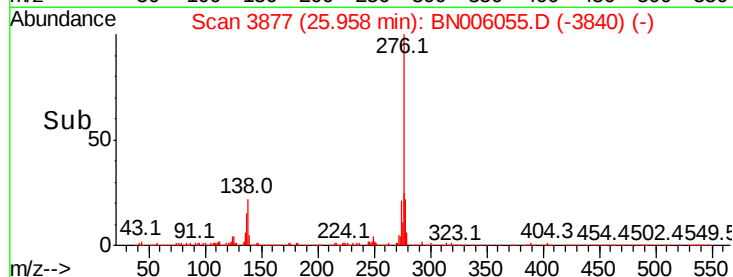
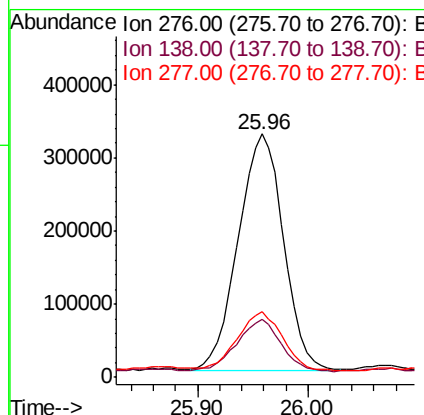
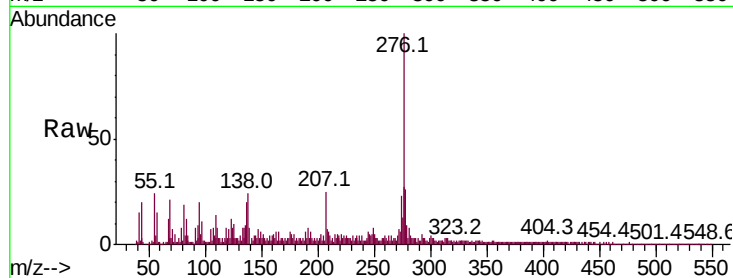


#91

Indeno(1,2,3-cd)pyrene
Concen: 10.827 ng/ul
RT: 25.96 min Scan# 3877
Delta R.T. 0.02 min
Lab File: BN006055.D
Acq: 04 Jun 2019 02:57

Instrument :
BNA_N
ClientSampleId :

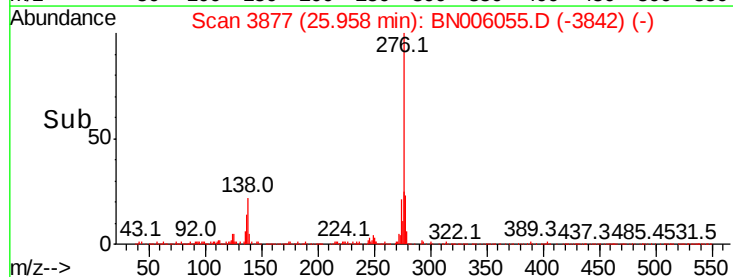
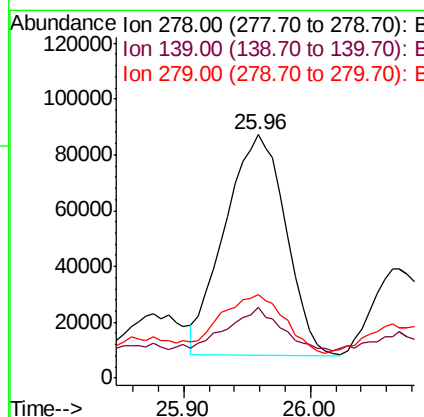
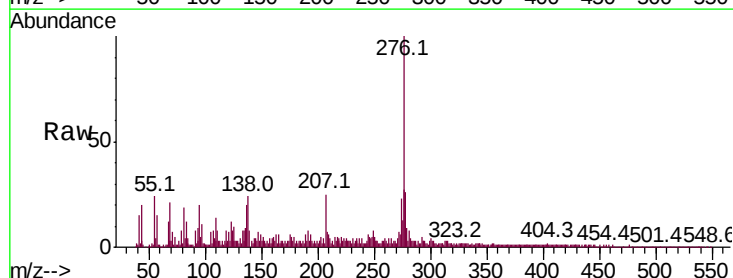
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.9	21.4	32.2
277	26.9	20.2	30.2

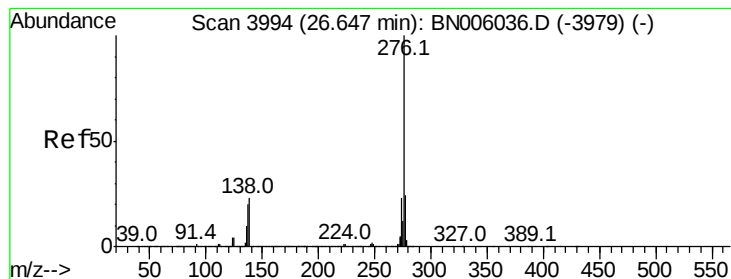


#92

Dibenzo(a,h)anthracene
Concen: 3.642 ng/ul
RT: 25.96 min Scan# 3877
Delta R.T. 0.01 min
Lab File: BN006055.D
Acq: 04 Jun 2019 02:57

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.1	14.2	21.2#
279	34.3	19.4	29.0#





#93

Benzo(a,h,i)perylene

Concen: 10.641 ng/ul

RT: 26.68 min Scan# 3999

Delta R.T. 0.03 min

Lab File: BN006055.D

Acq: 04 Jun 2019 02:57

Instrument :

BNA_N

ClientSampleId :

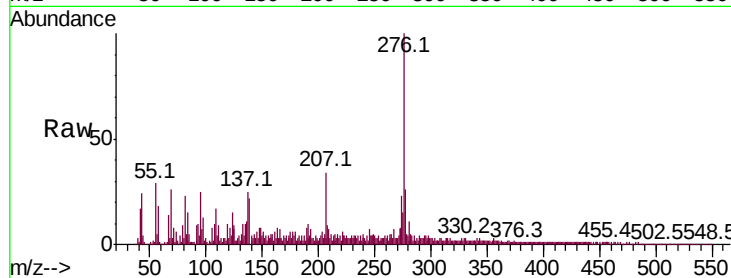
Tot Ion:276 Resp: 751608

Ion Ratio Lower Upper

276 100

138 22.4 18.8 28.2

277 25.5 19.4 29.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

