

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060419\
 Data File : BN006070.D
 Acq On : 04 Jun 2019 18:59
 Operator : JU/SJ
 Sample : K2927-21
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A42F0

Quant Time: Jun 04 19:38:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 04 17:47:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	207771	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	878205	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.30	164	474184	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	986663	20.00	ng/ul	0.00
77) Chrysene-d12	21.27	240	923520	20.00	ng/ul	0.00
85) Perylene-d12	23.50	264	1044998	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	30367	6.33	ng/uL	0.00
5) Phenol-d5	6.82	99	674529	40.63	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	388333	40.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	532968	39.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	512867	39.87	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	262021	41.80	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	283095	40.69	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	502097	39.93	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	412016	27.44	ng/ul	0.00
43) Dimethylphthalate-d6	13.72	166	1493554	44.40	ng/ul	0.00
46) Acenaphthylene-d8	13.99	160	1891482	43.44	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	213692	35.97	ng/ul	0.00
57) Fluorene-d10	15.30	176	1257306	44.24	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	161218	29.20	ng/ul	0.00
70) Anthracene-d10	17.16	188	1833267	43.54	ng/ul	0.00
78) Pyrene-d10	19.46	212	2028987	45.47	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.37	264	2121415	45.59	ng/ul	0.00

Target Compounds

					Ovalue
2) 1,4-Dioxane	3.19	88	99924	20.159	ng/uL 99
4) Benzaldehyde	6.79	77	378516	33.595	ng/ul 99
6) Phenol	6.85	94	1056613	62.274	ng/ul 100
8) Bis(2-Chloroethyl)ether	7.08	93	611527	46.442	ng/ul 99
17) Hexachloroethane	8.72	117	365177	63.761	ng/ul 98
20) Nitrobenzene	8.85	77	375043	25.296	ng/ul 100
23) 2-Nitrophenol	9.55	139	348688	47.475	ng/ul 98
28) Naphthalene	10.48	128	2130792	51.448	ng/ul 99
34) 2-Methylnaphthalene	12.10	142	2014198	69.767	ng/ul 99
36) 1,2,4,5-Tetrachlorobenzene	12.48	216	375679	26.466	ng/ul 99
39) 2,4,5-Trichlorophenol	12.79	196	710437	73.342	ng/ul 96
40) 1,1'-Biphenyl	13.13	154	1829906	51.375	ng/ul 99
41) 2-Chloronaphthalene	13.17	162	1392294	50.557	ng/ul 99
47) Acenaphthylene	14.02	152	1994924	46.658	ng/ul 99
49) Acenaphthene	14.37	153	1197683	41.629	ng/ul 100
52) 4-Nitrophenol	14.53	109	138516	30.754	ng/ul 98
53) Dibenzofuran	14.70	168	868947	21.404	ng/ul 99
54) 2,4-Dinitrotoluene	14.68	165	312516	32.859	ng/ul 99
56) Diethylphthalate	15.13	149	877067	26.248	ng/ul 99
58) Fluorene	15.36	166	1541892	48.512	ng/ul 99
66) Hexachlorobenzene	16.36	284	223752	21.024	ng/ul 96
69) Phenanthrene	17.10	178	1974671	40.809	ng/ul 99
71) Anthracene	17.19	178	3188165	64.474	ng/ul 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

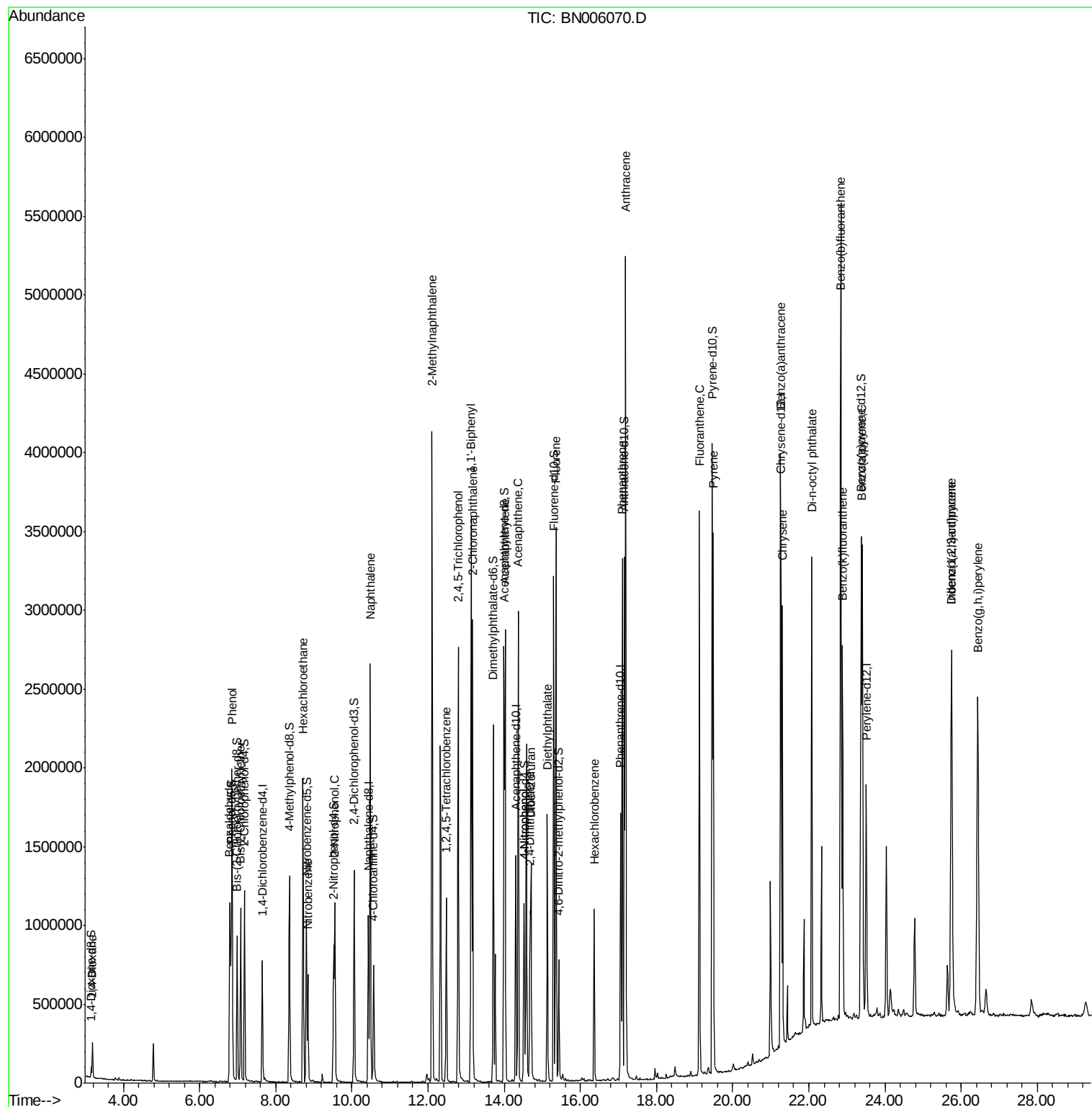
76) Fluoranthene	19.13	202	2144026	39.536	ng/ul	100
79) Pyrene	19.49	202	1929422	33.983	ng/ul	99
82) Benzo(a)anthracene	21.26	228	1677106	29.538	ng/ul	99
84) Chrysene	21.31	228	1437096	26.408	ng/ul	99
86) Di-n-octyl phthalate	22.07	149	1988424	31.536	ng/ul	100
87) Benzo(b)fluoranthene	22.84	252	2918602	52.392	ng/ul	100
88) Benzo(k)fluoranthene	22.88	252	1562962	28.661	ng/ul	99
90) Benzo(a)pyrene	23.41	252	1665326	30.922	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.74	276	1886735	28.735	ng/ul	98
92) Dibenzo(a,h)anthracene	25.76	278	1084909	19.592	ng/ul	99
93) Benzo(a,h,i)perylene	26.43	276	2514743	45.056	ng/ul	99

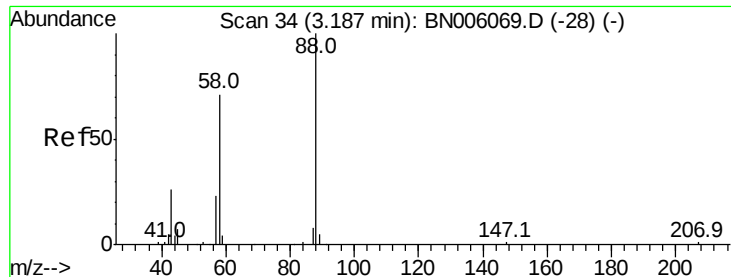
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 20.159 ng/uL

RT: 3.19 min Scan# 34

Delta R.T. 0.00 min

Lab File: BN006070.D

Acq: 04 Jun 2019 18:59

Instrument :

BNA_N

ClientSampleId :

A42F0

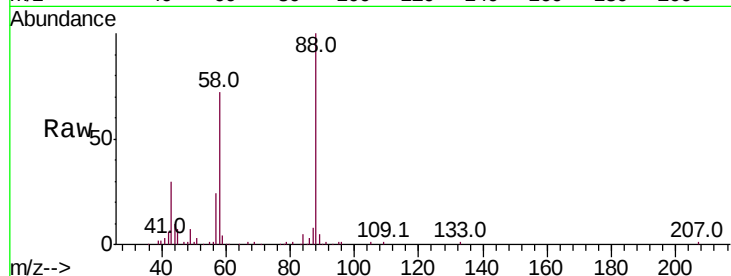
Tot Ion: 88 Resp: 99924

Ion Ratio Lower Upper

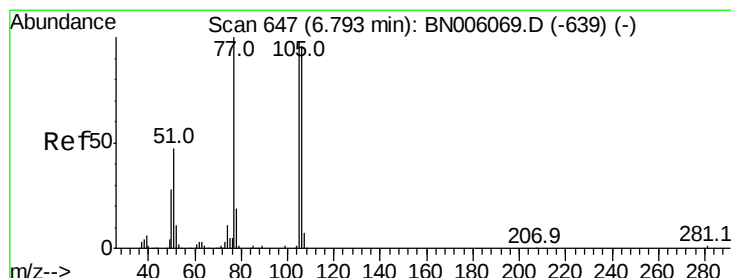
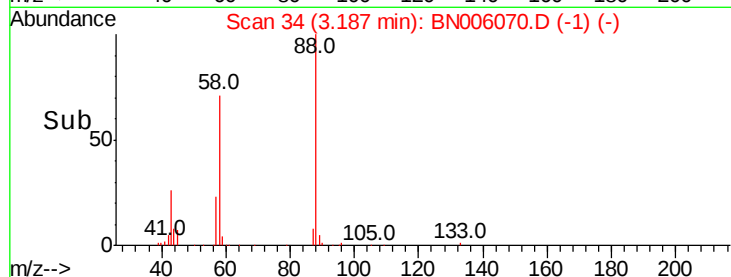
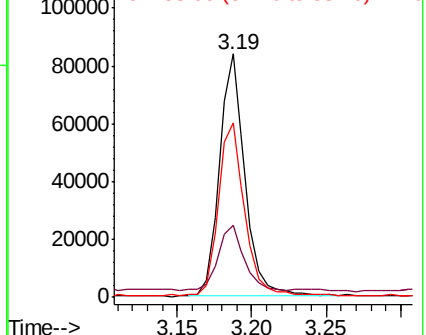
88 100

43 29.6 23.9 35.9

58 71.5 58.3 87.5



Abundance Ion 88.00 (87.70 to 88.70): BN0
Ion 43.00 (42.70 to 43.70): BN0
Ion 58.00 (57.70 to 58.70): BN0



#4

Benzaldehyde

Concen: 33.595 ng/uL

RT: 6.79 min Scan# 647

Delta R.T. -0.00 min

Lab File: BN006070.D

Acq: 04 Jun 2019 18:59

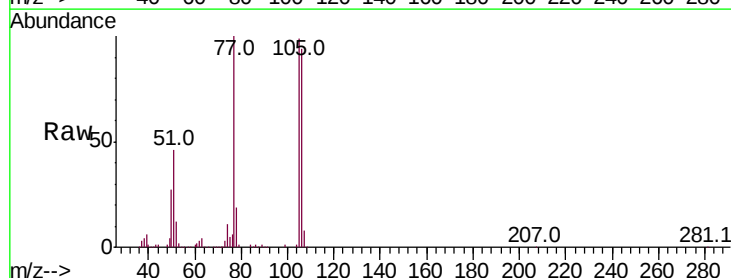
Tgt Ion: 77 Resp: 378516

Ion Ratio Lower Upper

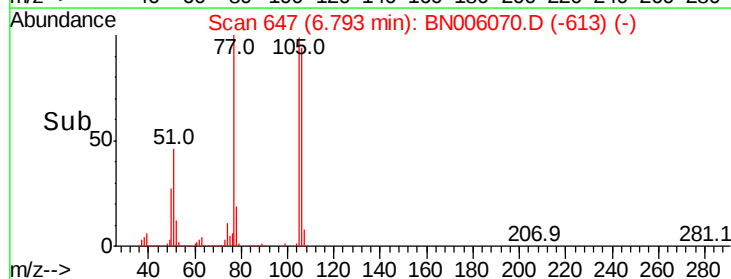
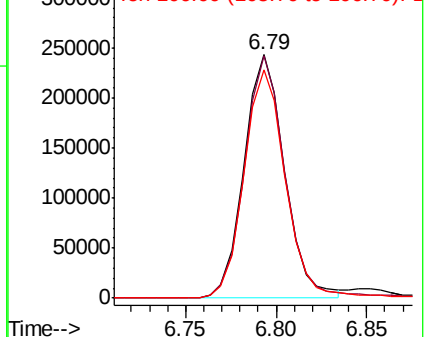
77 100

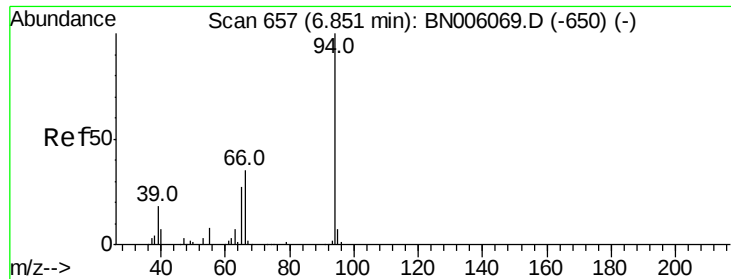
105 99.4 78.4 117.6

106 93.8 75.2 112.8



Abundance Ion 77.00 (76.70 to 77.70): BN0
Ion 105.00 (104.70 to 105.70): BN0
Ion 106.00 (105.70 to 106.70): BN0





#6

Phenol

Concen: 62.274 ng/ul

RT: 6.85 min Scan# 657

Delta R.T. -0.00 min

Lab File: BN006070.D

Acq: 04 Jun 2019 18:59

Instrument :

BNA_N

ClientSampleId :

A42F0

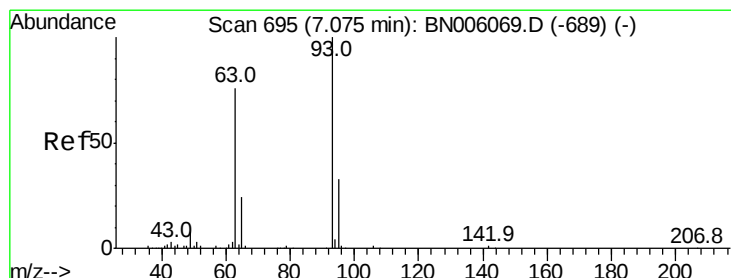
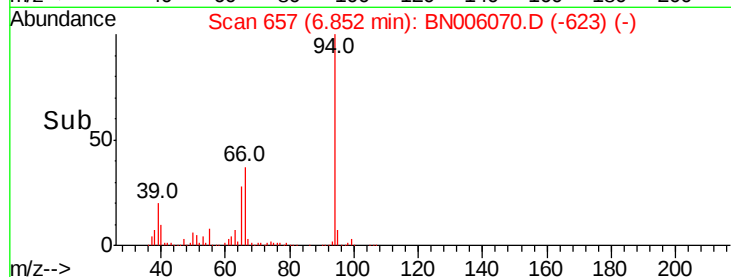
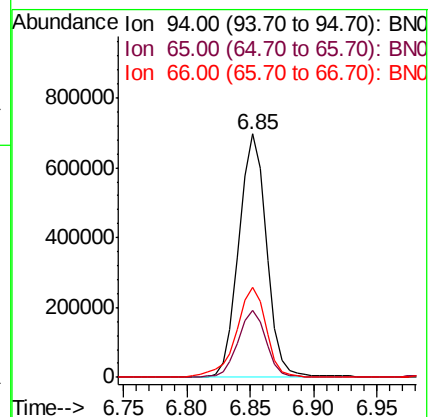
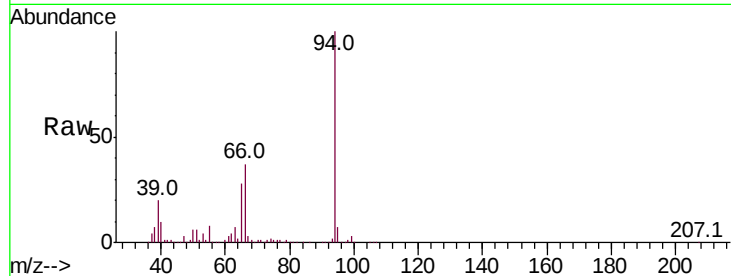
Tot Ion: 94 Resp: 1056613

Ion Ratio Lower Upper

94 100

65 27.7 21.8 32.6

66 36.9 29.5 44.3



#8

Bis(2-Chloroethyl)ether

Concen: 46.442 ng/ul

RT: 7.08 min Scan# 695

Delta R.T. -0.01 min

Lab File: BN006070.D

Acq: 04 Jun 2019 18:59

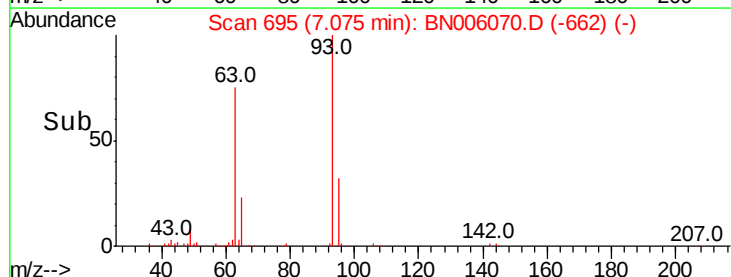
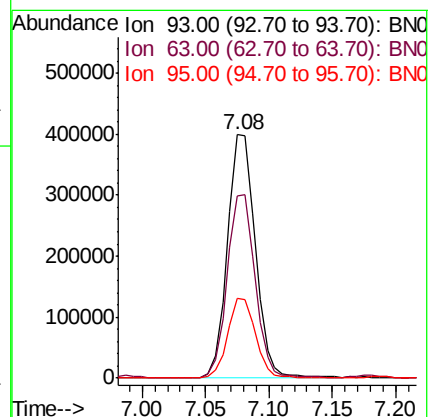
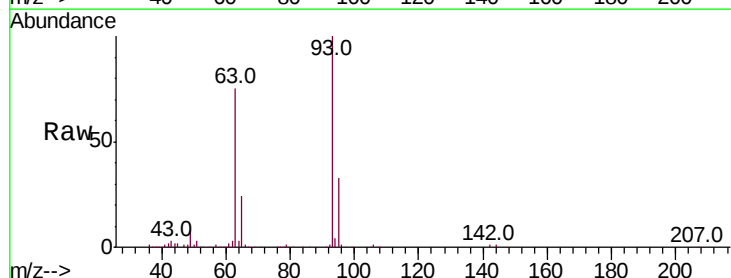
Tgt Ion: 93 Resp: 611527

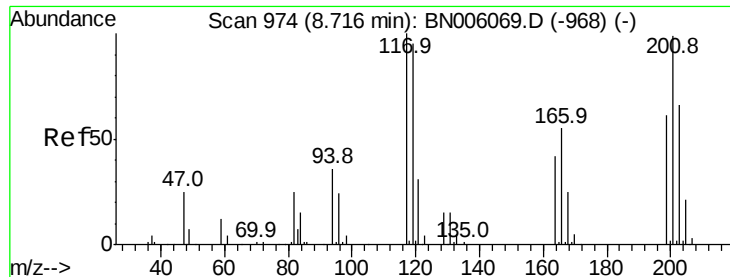
Ion Ratio Lower Upper

93 100

63 74.9 59.4 89.2

95 32.7 26.8 40.2

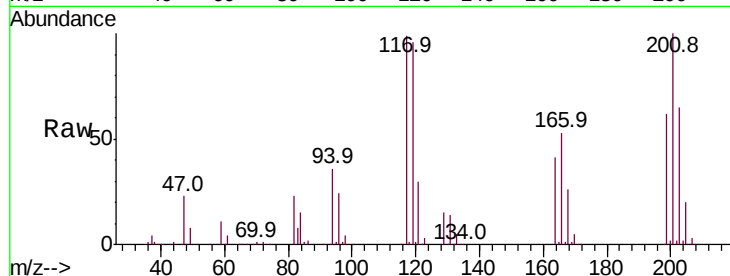




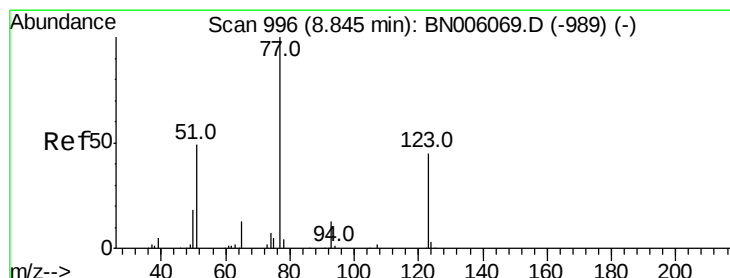
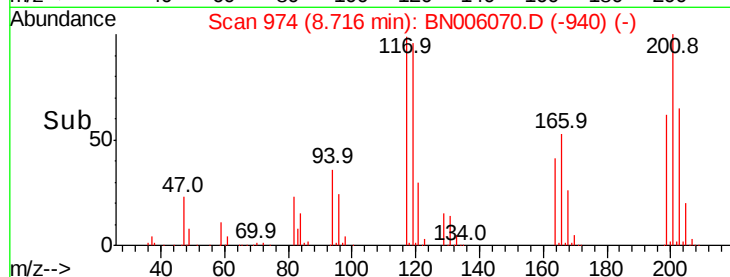
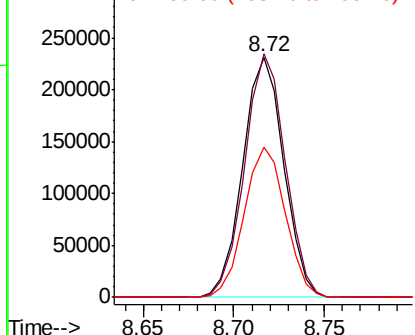
#17
Hexachloroethane
Concen: 63.761 ng/ul
RT: 8.72 min Scan# 974
Delta R.T. -0.00 min
Lab File: BN006070.D
Acq: 04 Jun 2019 18:59

Instrument :
BNA_N
ClientSampleId :
A42F0

Tot Ion:117 Resp: 365177
Ion Ratio Lower Upper
117 100
201 101.3 79.0 118.4
199 62.5 51.0 76.4

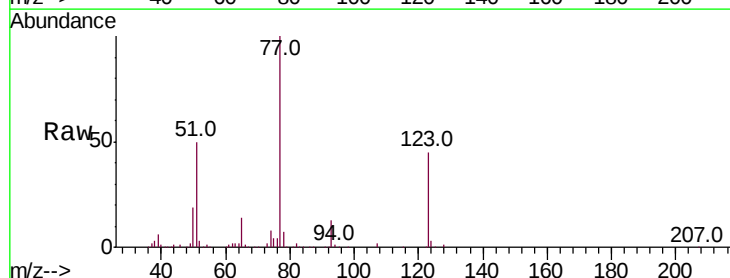


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

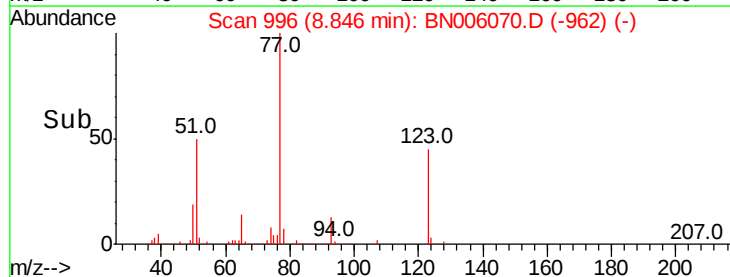
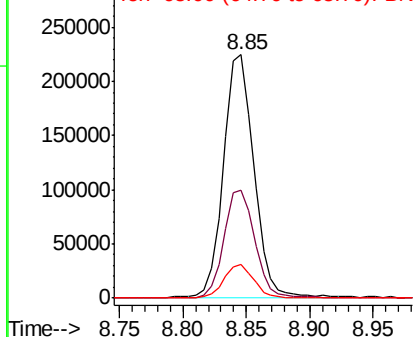


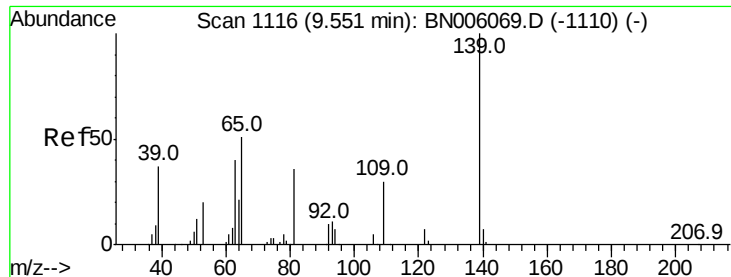
#20
Nitrobenzene
Concen: 25.296 ng/ul
RT: 8.85 min Scan# 996
Delta R.T. -0.00 min
Lab File: BN006070.D
Acq: 04 Jun 2019 18:59

Tgt Ion: 77 Resp: 375043
Ion Ratio Lower Upper
77 100
123 44.6 35.5 53.3
65 13.7 10.7 16.1



Abundance Ion 77.00 (76.70 to 77.70): BNC
Ion 123.00 (122.70 to 123.70): E
Ion 65.00 (64.70 to 65.70): BNC





#23

2-Nitrophenol

Concen: 47.475 ng/ul

RT: 9.55 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BN006070.D

Acq: 04 Jun 2019 18:59

Instrument :

BNA_N

ClientSampleId :

A42F0

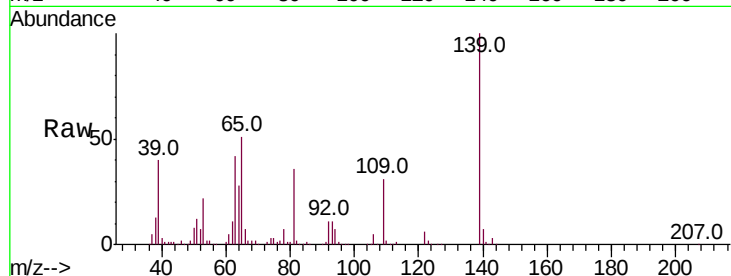
Tot Ion:139 Resp: 348688

Ion Ratio Lower Upper

139 100

65 51.3 42.2 63.2

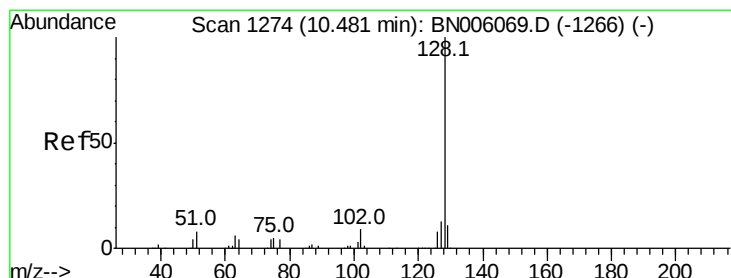
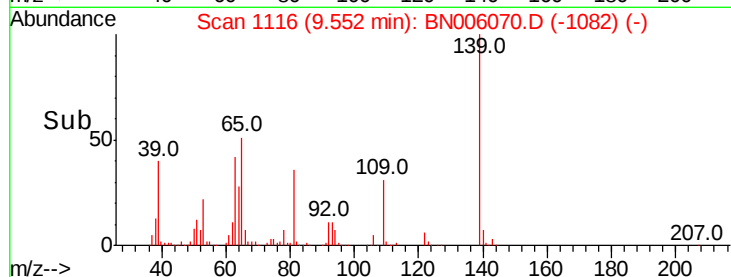
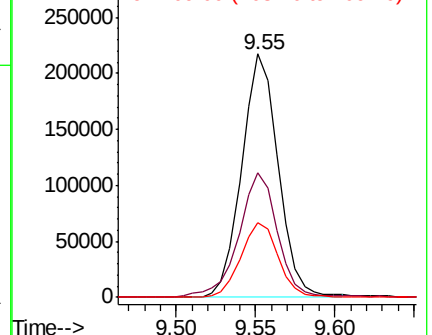
109 30.9 25.3 37.9



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BN

Ion 109.00 (108.70 to 109.70): E



#28

Naphthalene

Concen: 51.448 ng/ul

RT: 10.48 min Scan# 1274

Delta R.T. -0.00 min

Lab File: BN006070.D

Acq: 04 Jun 2019 18:59

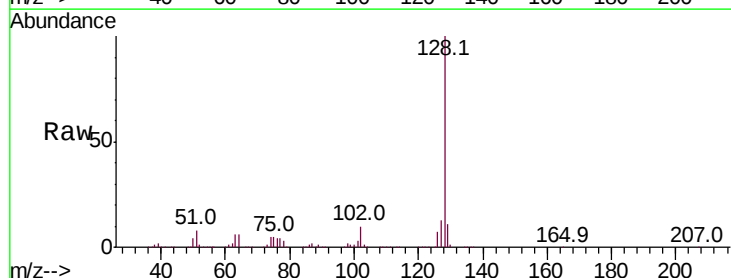
Tgt Ion:128 Resp: 2130792

Ion Ratio Lower Upper

128 100

129 11.2 8.5 12.7

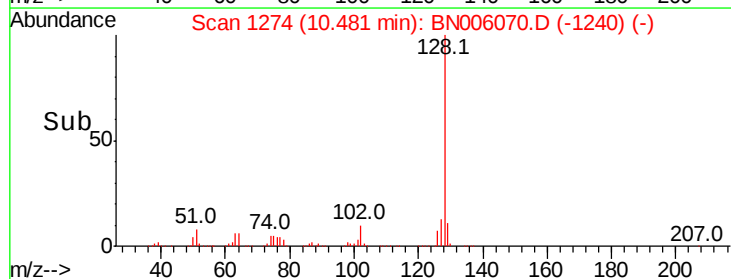
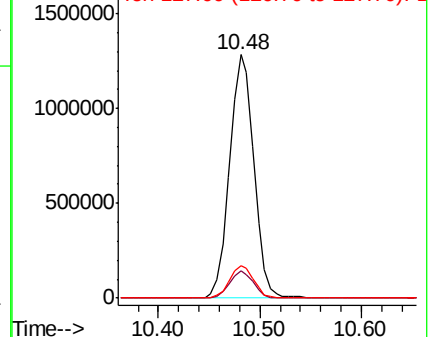
127 13.1 10.3 15.5

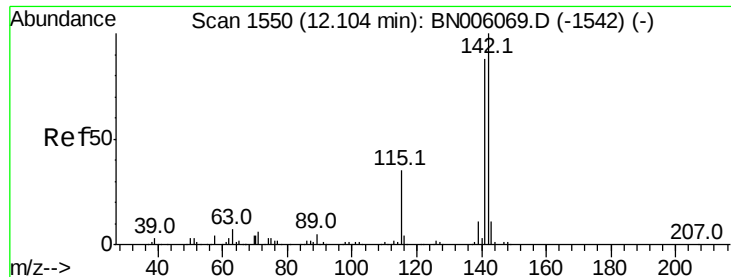


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

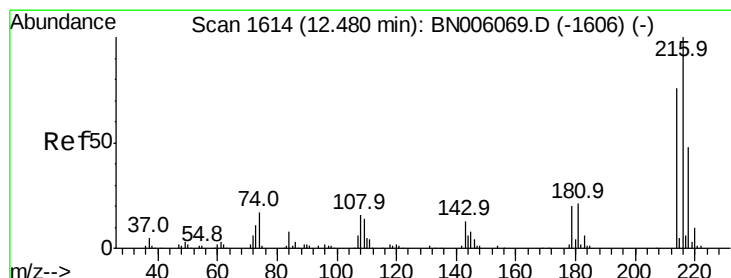
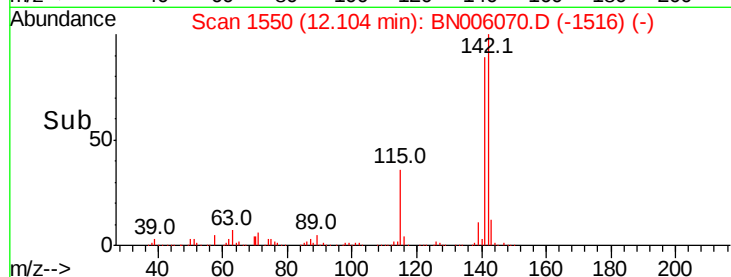
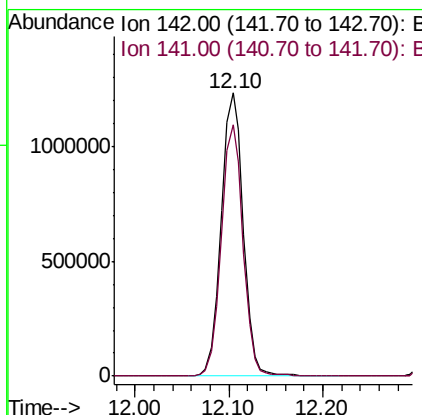
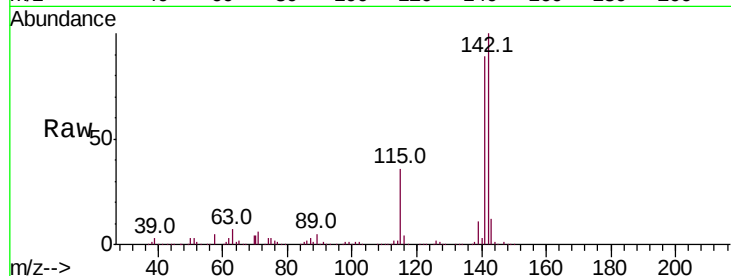




#34
 2-Methylnaphthalene
 Concen: 69.767 ng/ul
 RT: 12.10 min Scan# 1550
 Delta R.T. -0.00 min
 Lab File: BN006070.D
 Acq: 04 Jun 2019 18:59

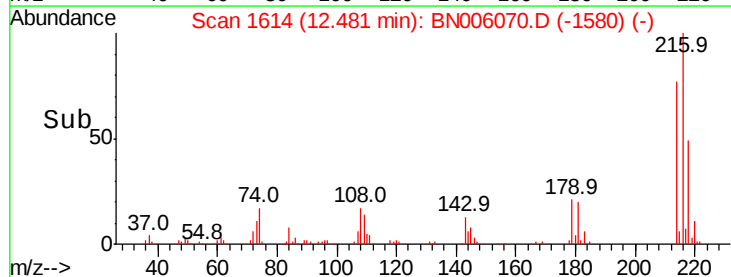
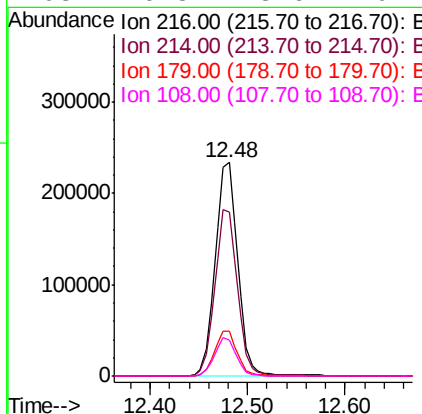
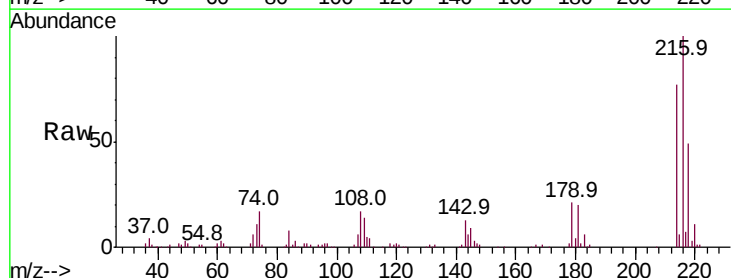
Instrument :
 BNA_N
 ClientSampled :
 A42F0

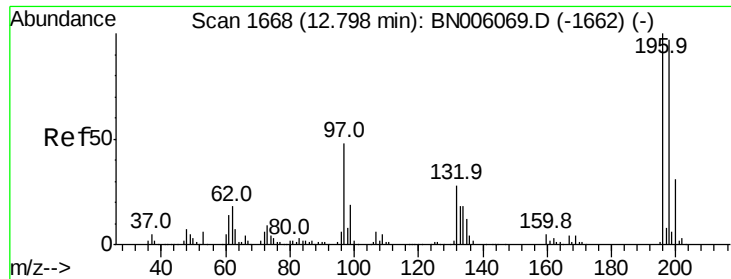
Tot Ion:142 Resp: 2014198
 Ion Ratio Lower Upper
 142 100
 141 88.9 70.5 105.7



#36
 1,2,4,5-Tetrachlorobenzene
 Concen: 26.466 ng/ul
 RT: 12.48 min Scan# 1614
 Delta R.T. -0.00 min
 Lab File: BN006070.D
 Acq: 04 Jun 2019 18:59

Tgt Ion:216 Resp: 375679
 Ion Ratio Lower Upper
 216 100
 214 76.9 62.0 93.0
 179 20.8 16.9 25.3
 108 16.8 13.6 20.4

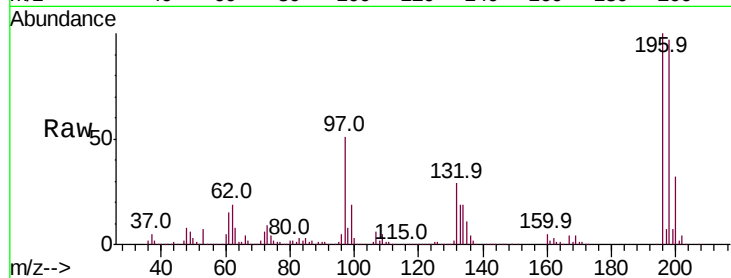




#39
 2,4,5-Trichlorophenol
 Concen: 73.342 ng/ul
 RT: 12.79 min Scan# 1667
 Delta R.T. -0.01 min
 Lab File: BN006070.D
 Acq: 04 Jun 2019 18:59

Instrument :
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Tot Ion	Ratio	Lower	Upper
196	100		
198	97.0	73.8	110.6
200	31.5	25.2	37.8

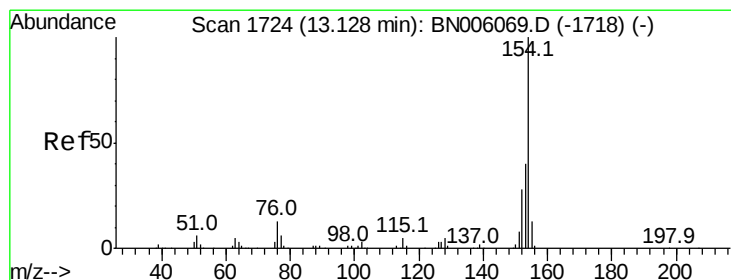
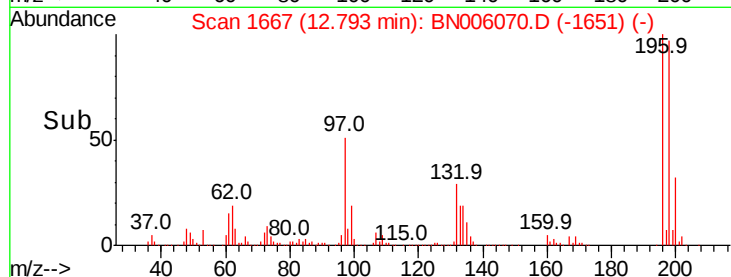
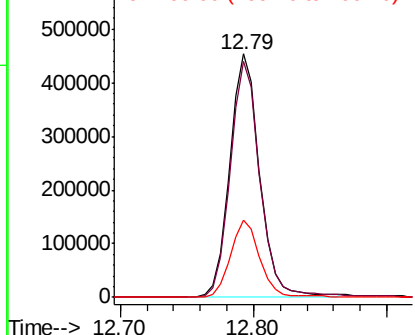


Abundance

Ion 196.00 (195.70 to 196.70): E

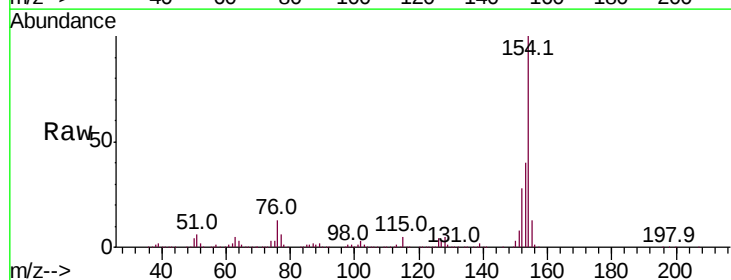
Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#40
 1,1'-Biphenyl
 Concen: 51.375 ng/ul
 RT: 13.13 min Scan# 1724
 Delta R.T. -0.00 min
 Lab File: BN006070.D
 Acq: 04 Jun 2019 18:59

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.0	32.3	48.5
76	13.1	10.6	15.8

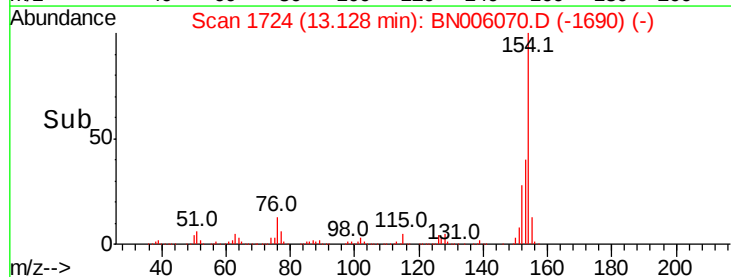
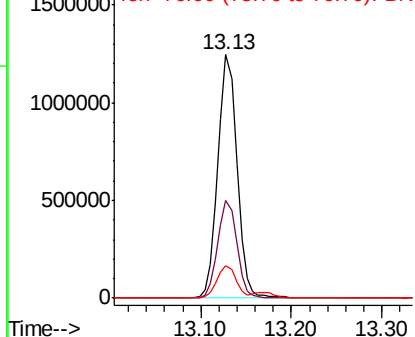


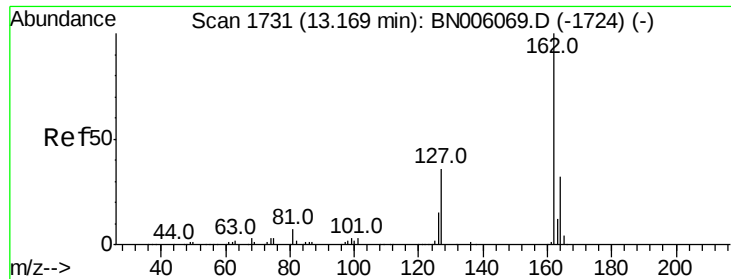
Abundance

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): BNO

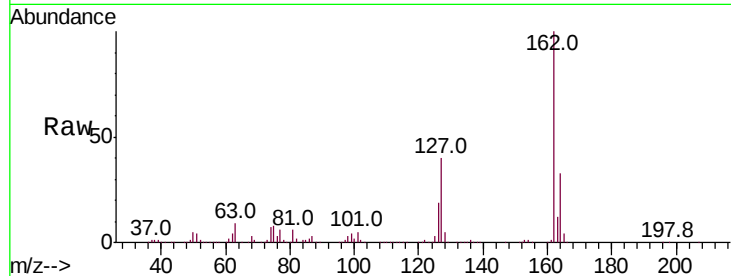




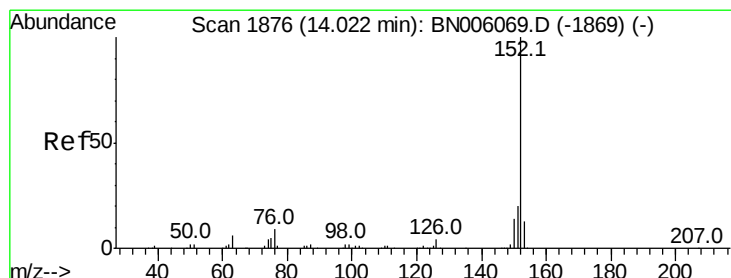
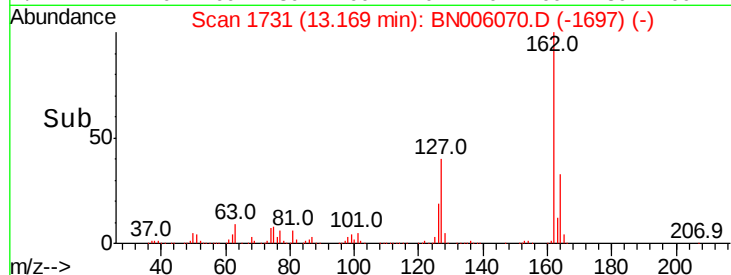
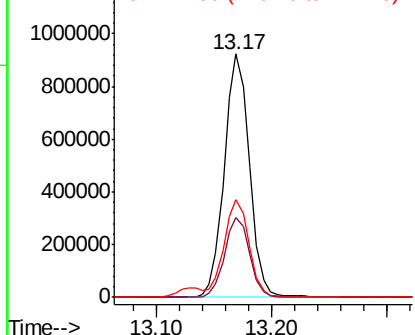
#41
2-Chloronaphthalene
Concen: 50.557 ng/ul
RT: 13.17 min Scan# 1731
Delta R.T. -0.00 min
Lab File: BN006070.D
Acq: 04 Jun 2019 18:59

Instrument :
BNA_N
ClientSampleId :
A42F0

Tot Ion:162 Resp: 1392294
Ion Ratio Lower Upper
162 100
164 33.0 25.8 38.8
127 40.3 32.3 48.5

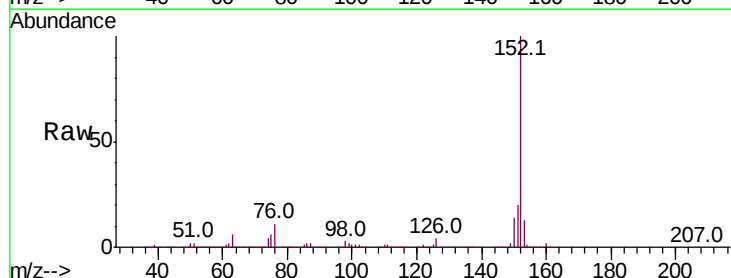


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 127.00 (126.70 to 127.70): E

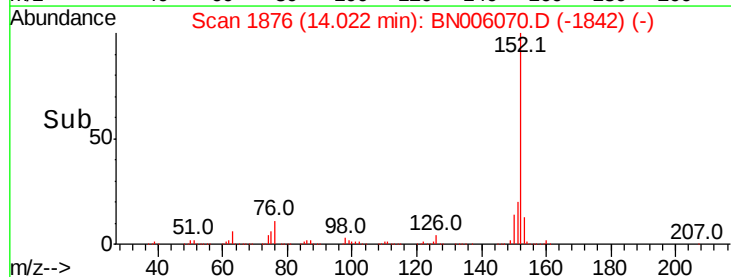
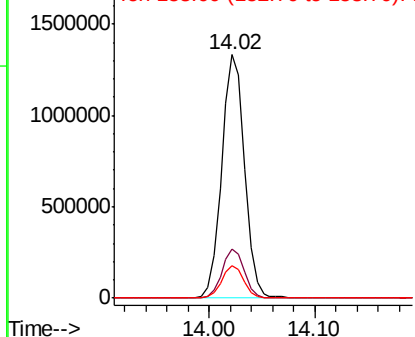


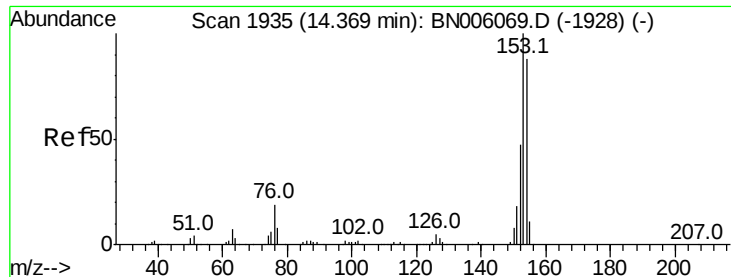
#47
Acenaphthylene
Concen: 46.658 ng/ul
RT: 14.02 min Scan# 1876
Delta R.T. -0.00 min
Lab File: BN006070.D
Acq: 04 Jun 2019 18:59

Tgt Ion:152 Resp: 1994924
Ion Ratio Lower Upper
152 100
151 20.4 15.7 23.5
153 13.2 10.9 16.3



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





#49

Acenaphthene

Concen: 41.629 ng/ul

RT: 14.37 min Scan# 1935

Delta R.T. -0.00 min

Lab File: BN006070.D

Acq: 04 Jun 2019 18:59

Instrument :

BNA_N

ClientSampleId :

A42F0

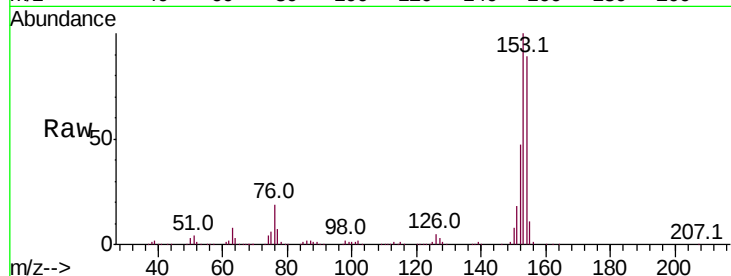
Tot Ion:153 Resp: 1197683

Ion Ratio Lower Upper

153 100

152 46.9 37.9 56.9

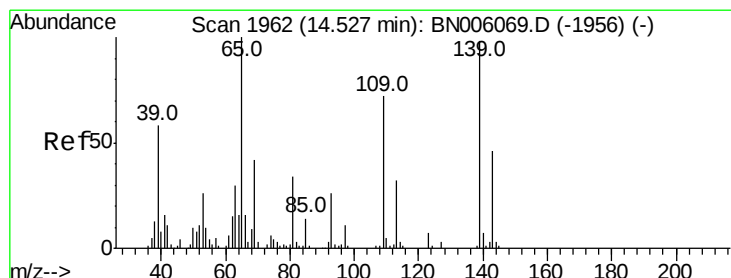
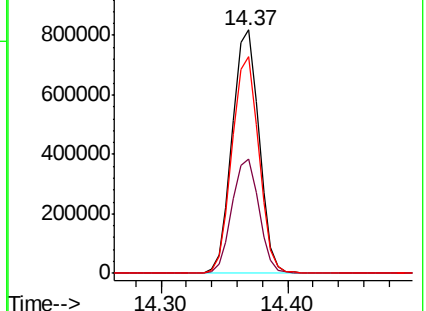
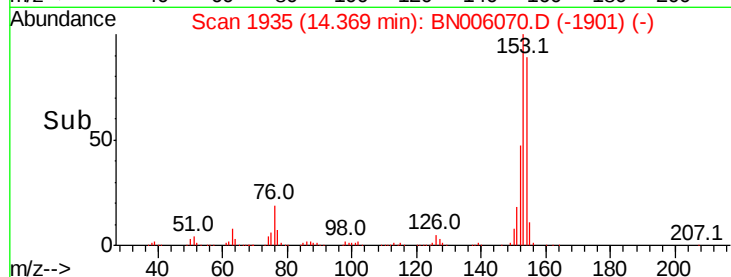
154 89.1 71.4 107.2



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



#52

4-Nitrophenol

Concen: 30.754 ng/ul

RT: 14.53 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BN006070.D

Acq: 04 Jun 2019 18:59

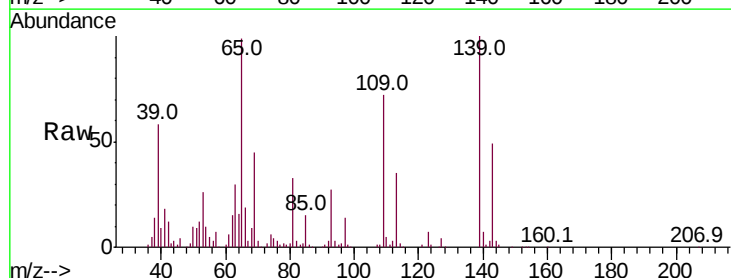
Tgt Ion:109 Resp: 138516

Ion Ratio Lower Upper

109 100

139 138.5 114.5 171.7

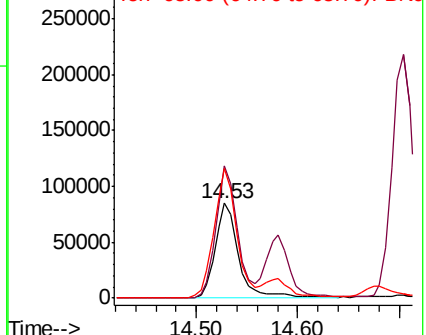
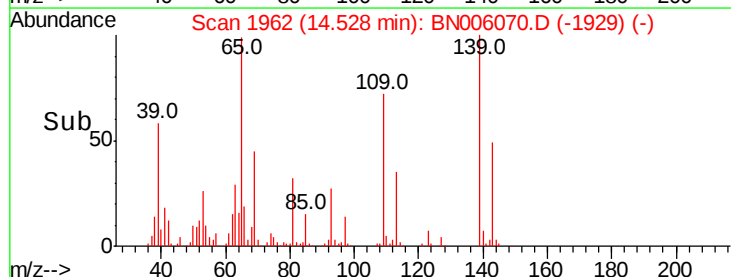
65 137.0 109.8 164.8

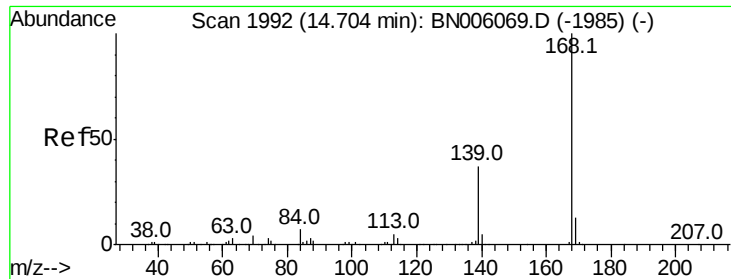


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNO





#53

Dibenzenofuran

Concen: 21.404 ng/ul

RT: 14.70 min Scan# 1992

Delta R.T. -0.00 min

Lab File: BN006070.D

Acq: 04 Jun 2019 18:59

Instrument :

BNA_N

ClientSampleId :

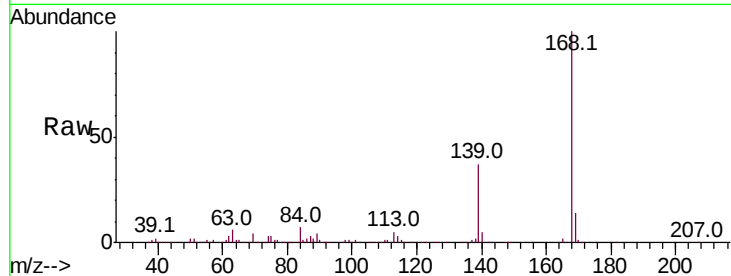
A42F0

Tot Ion:168 Resp: 868947

Ion Ratio Lower Upper

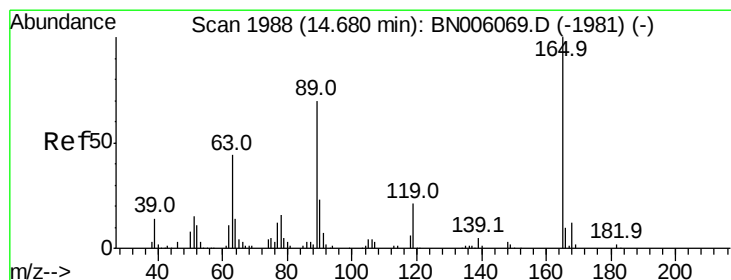
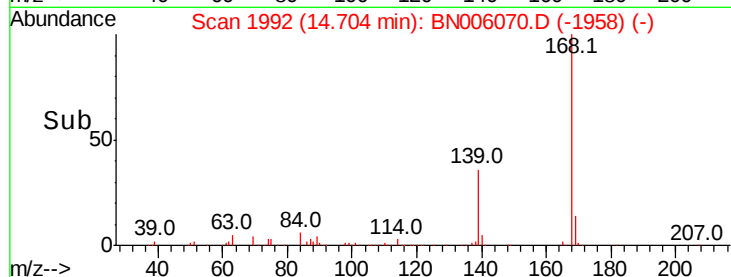
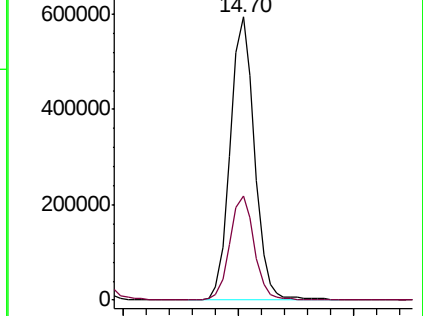
168 100

139 36.7 30.0 45.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#54

2,4-Dinitrotoluene

Concen: 32.859 ng/ul

RT: 14.68 min Scan# 1988

Delta R.T. -0.00 min

Lab File: BN006070.D

Acq: 04 Jun 2019 18:59

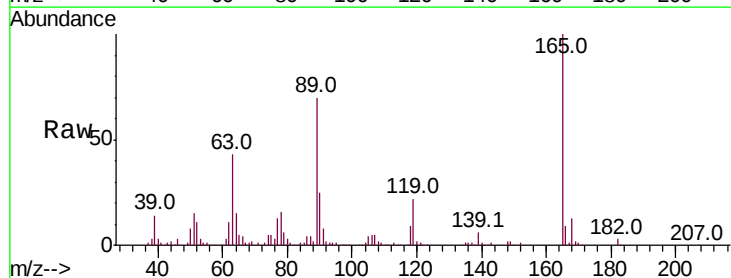
Tgt Ion:165 Resp: 312516

Ion Ratio Lower Upper

165 100

63 43.2 33.8 50.8

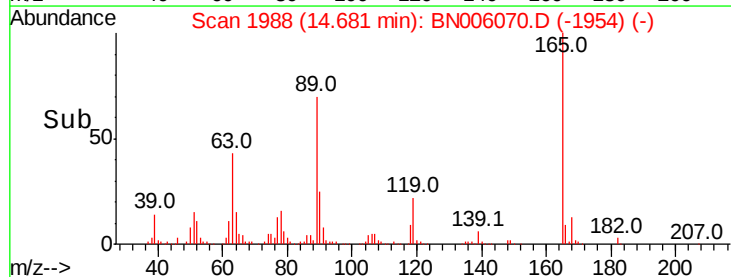
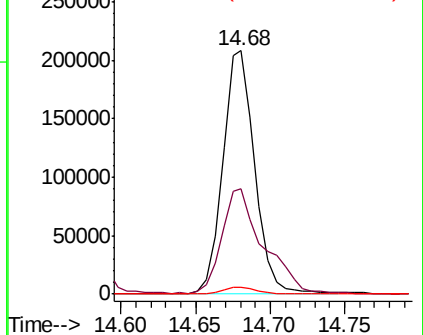
182 2.6 2.2 3.2

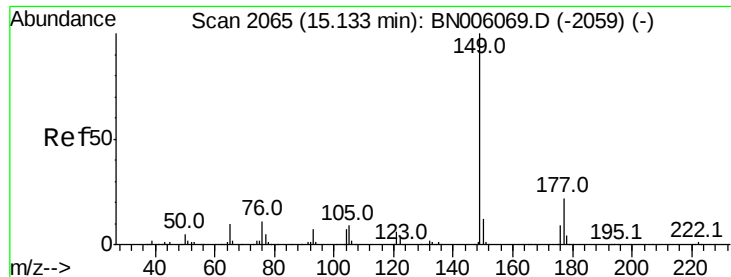


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BN0

Ion 182.00 (181.70 to 182.70): E

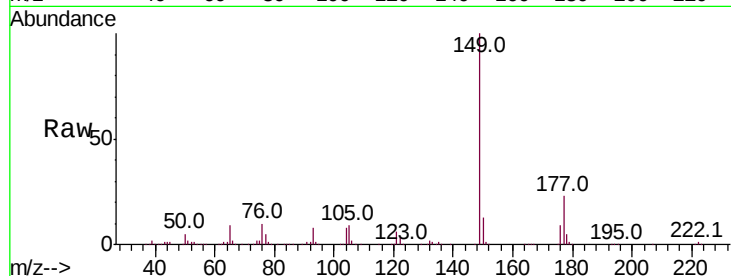




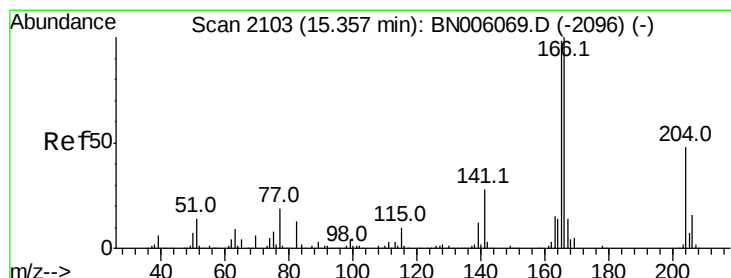
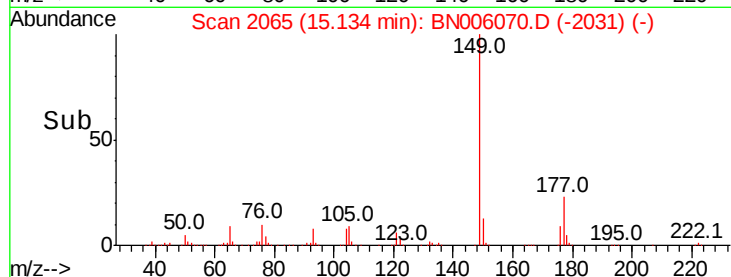
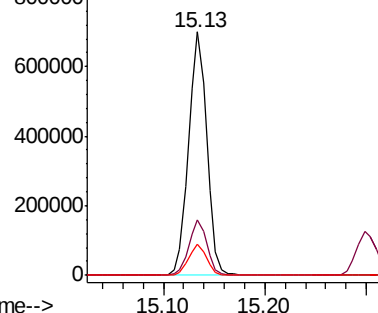
#56
Diethylphthalate
Concen: 26.248 ng/ul
RT: 15.13 min Scan# 2065
Delta R.T. -0.00 min
Lab File: BN006070.D
Acq: 04 Jun 2019 18:59

Instrument :
BNA_N
ClientSampleId :
A42F0

Tot Ion:149 Resp: 877067
Ion Ratio Lower Upper
149 100
177 22.8 17.8 26.8
150 12.7 10.1 15.1

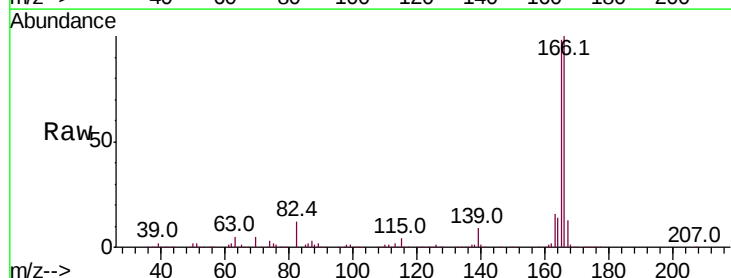


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

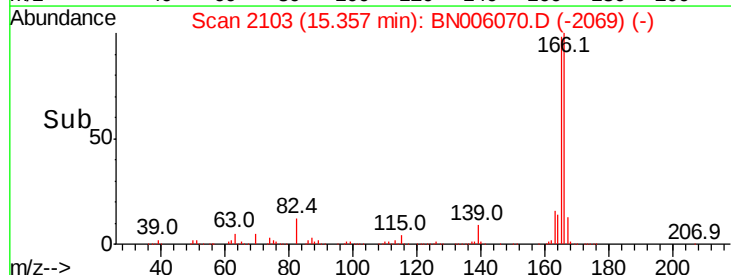
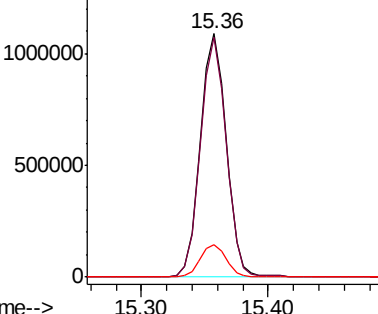


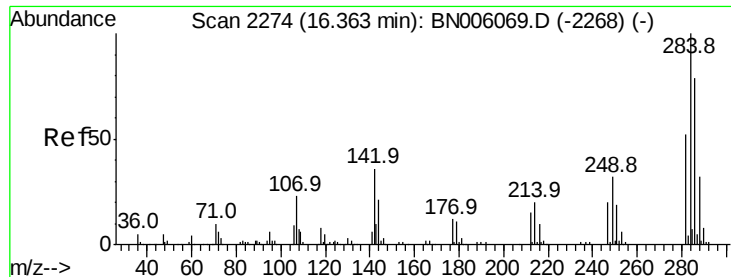
#58
Fluorene
Concen: 48.512 ng/ul
RT: 15.36 min Scan# 2103
Delta R.T. -0.00 min
Lab File: BN006070.D
Acq: 04 Jun 2019 18:59

Tgt Ion:166 Resp: 1541892
Ion Ratio Lower Upper
166 100
165 98.4 78.3 117.5
167 13.2 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





#66

Hexachlorobenzene

Concen: 21.024 ng/ul

RT: 16.36 min Scan# 2274

Delta R.T. -0.00 min

Lab File: BN006070.D

Acq: 04 Jun 2019 18:59

Instrument :

BNA_N

ClientSampleId :

A42F0

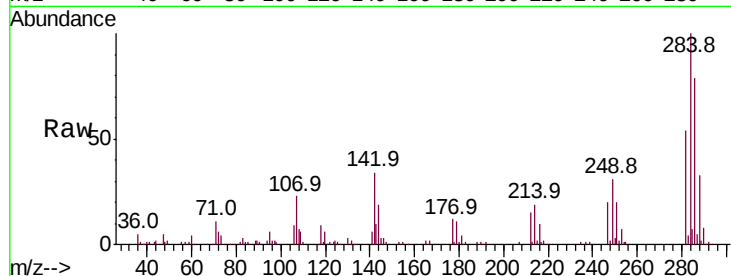
Tot Ion:284 Resp: 223752

Ion Ratio Lower Upper

284 100

142 33.9 29.9 44.9

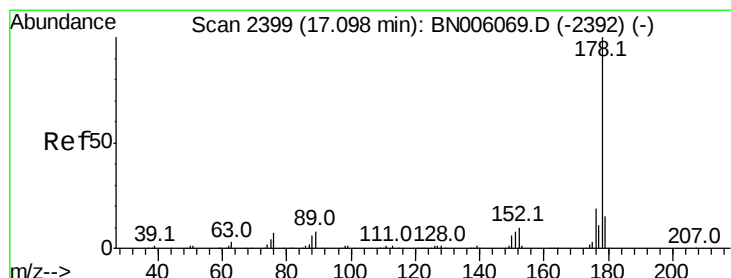
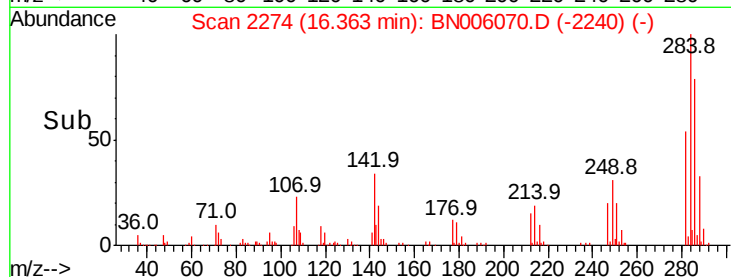
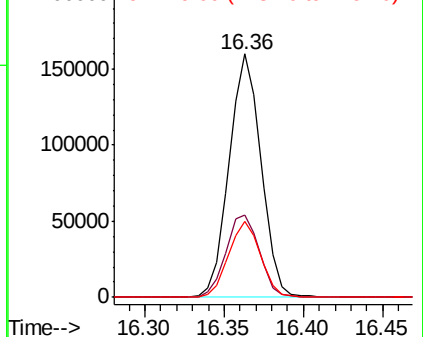
249 31.2 24.1 36.1



Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#69

Phenanthrene

Concen: 40.809 ng/ul

RT: 17.10 min Scan# 2399

Delta R.T. -0.00 min

Lab File: BN006070.D

Acq: 04 Jun 2019 18:59

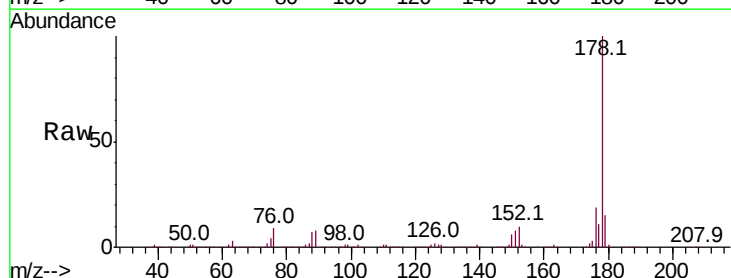
Tgt Ion:178 Resp: 1974671

Ion Ratio Lower Upper

178 100

179 15.4 11.8 17.8

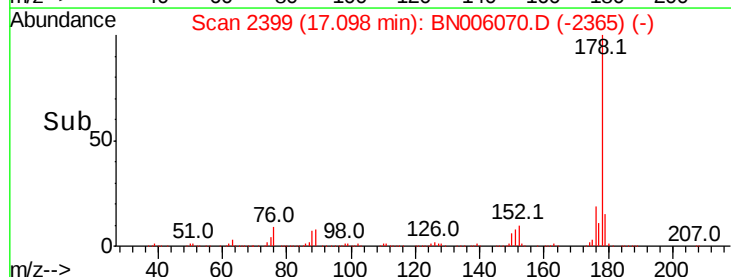
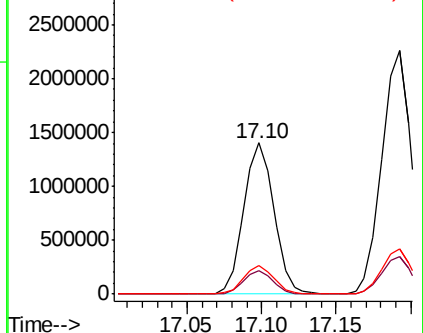
176 18.8 15.0 22.6

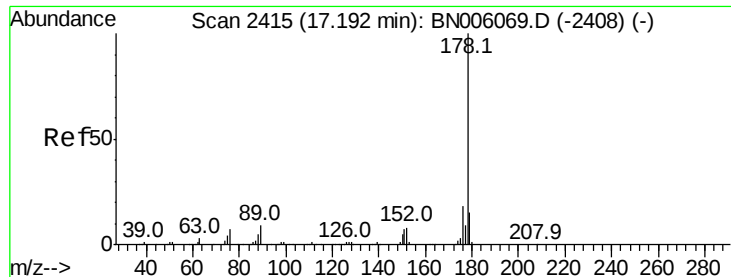


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 64.474 ng/ul

RT: 17.19 min Scan# 2415

Delta R.T. -0.00 min

Lab File: BN006070.D

Acq: 04 Jun 2019 18:59

Instrument :

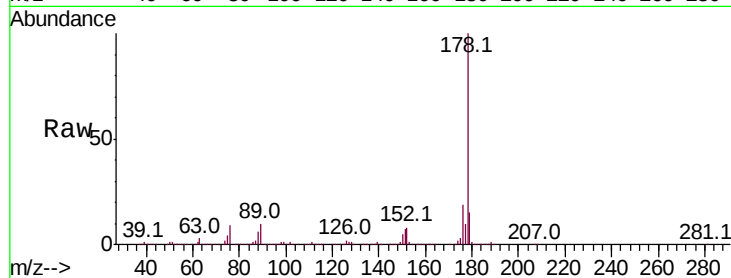
BNA_N

ClientSampleId :

A42F0

Tot Ion:178 Resp: 3188165

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.6	18.8
176	18.8	14.8	22.2

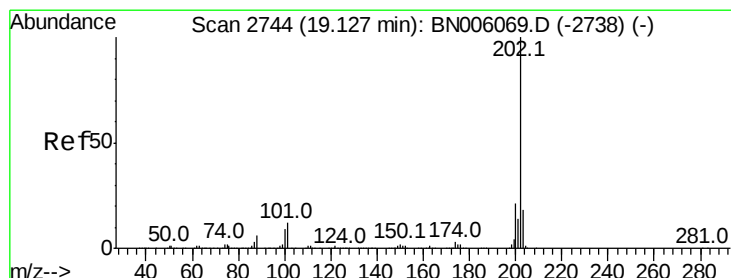
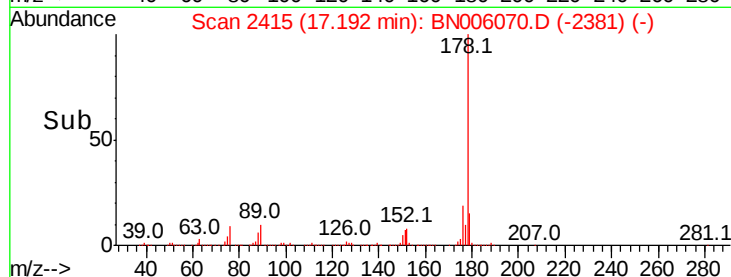
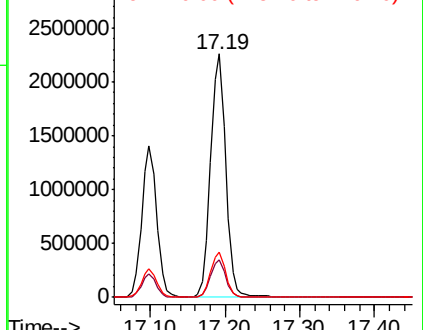


Abundance

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



#76

Fluoranthene

Concen: 39.536 ng/ul

RT: 19.13 min Scan# 2744

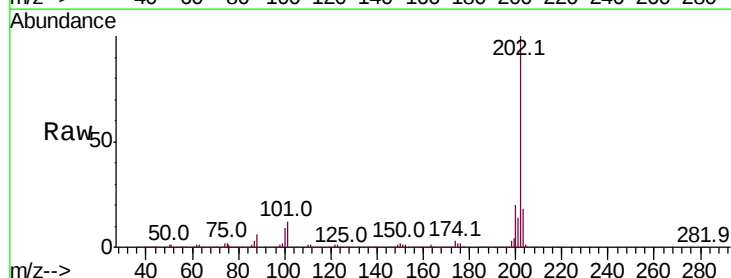
Delta R.T. -0.00 min

Lab File: BN006070.D

Acq: 04 Jun 2019 18:59

Tgt Ion:202 Resp: 2144026

Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.6	14.4
100	8.8	7.1	10.7

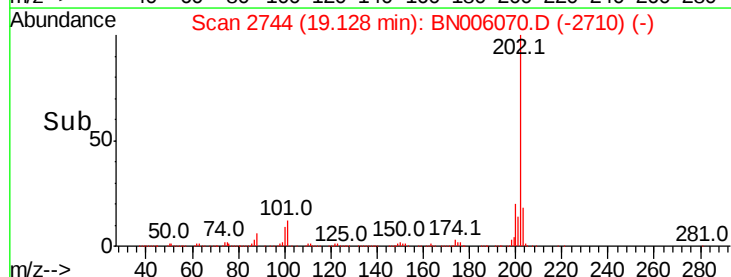
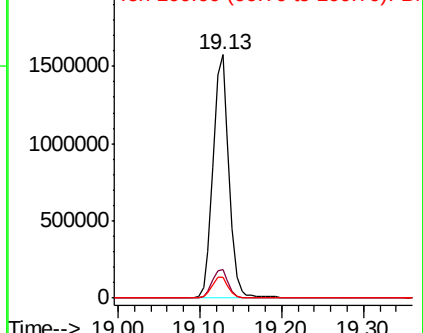


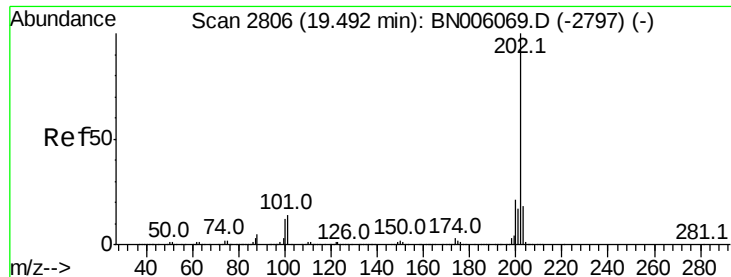
Abundance

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

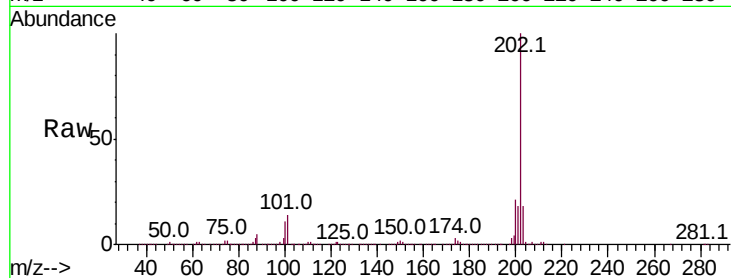




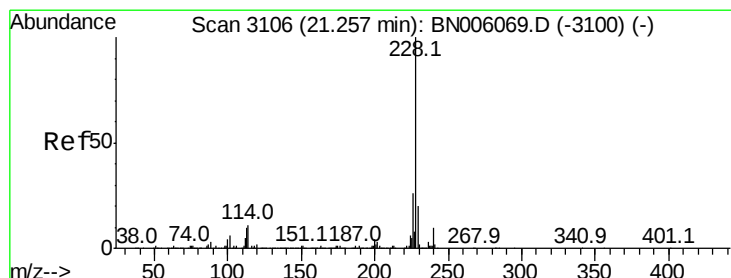
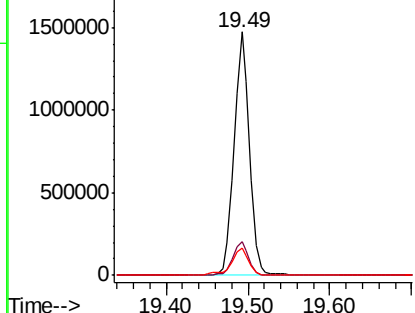
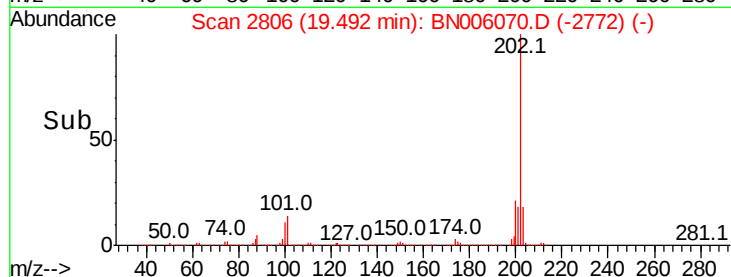
#79
Pvrene
Concen: 33.983 ng/ul
RT: 19.49 min Scan# 2806
Delta R.T. -0.00 min
Lab File: BN006070.D
Acq: 04 Jun 2019 18:59

Instrument :
BNA_N
ClientSampleId :
A42F0

Tot Ion:202 Resp: 1929422
Ion Ratio Lower Upper
202 100
101 13.7 11.5 17.3
100 11.4 9.0 13.6

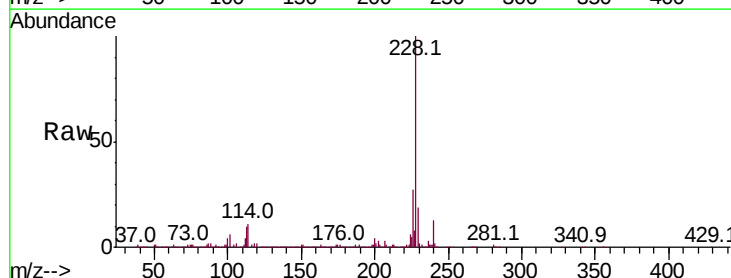


Abundance Ion 202.00 (201.70 to 202.70): E
2000000
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

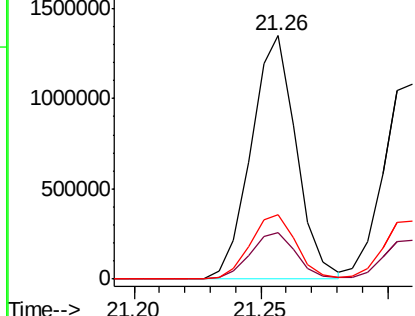
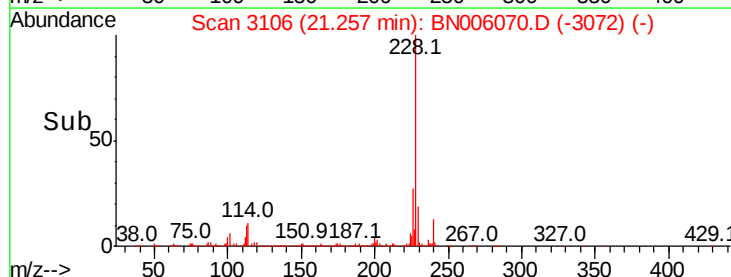


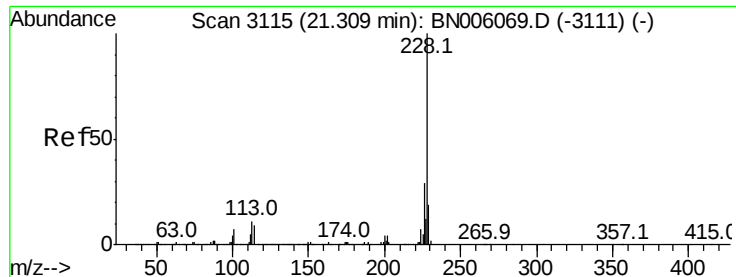
#82
Benzo(a)anthracene
Concen: 29.538 ng/ul
RT: 21.26 min Scan# 3106
Delta R.T. -0.00 min
Lab File: BN006070.D
Acq: 04 Jun 2019 18:59

Tgt Ion:228 Resp: 1677106
Ion Ratio Lower Upper
228 100
229 19.4 16.1 24.1
226 26.7 21.9 32.9



Abundance Ion 228.00 (227.70 to 228.70): E
1500000
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 26.408 ng/ul

RT: 21.31 min Scan# 3115

Delta R.T. -0.00 min

Lab File: BN006070.D

Acq: 04 Jun 2019 18:59

Instrument :

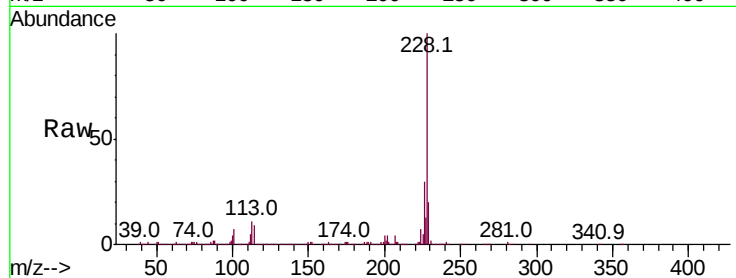
BNA_N

ClientSampleId :

A42F0

Tot Ion:228 Resp: 1437096

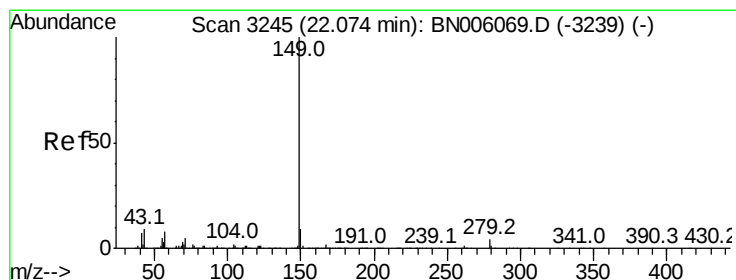
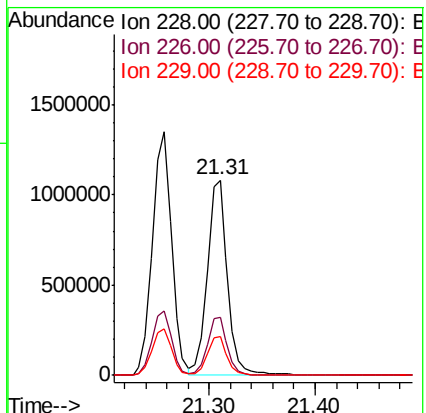
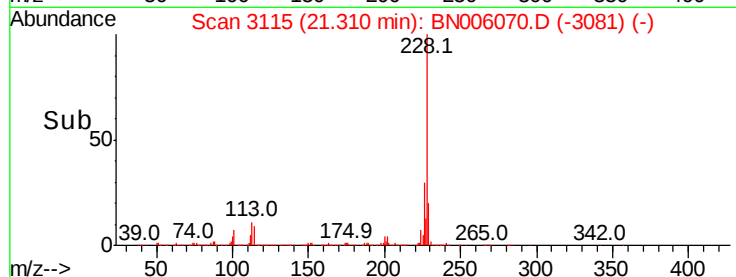
Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.1	36.1
229	19.6	16.0	24.0



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



#86

Di-n-octyl phthalate

Concen: 31.536 ng/ul

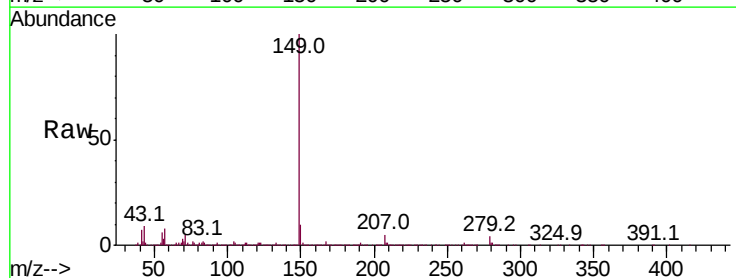
RT: 22.07 min Scan# 3245

Delta R.T. -0.00 min

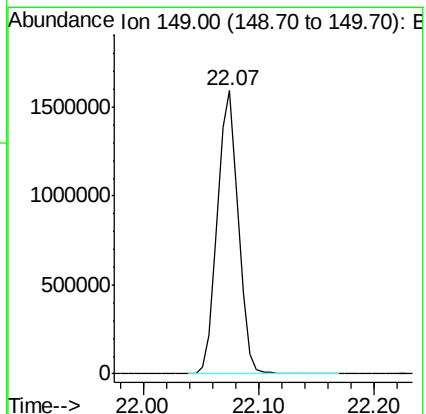
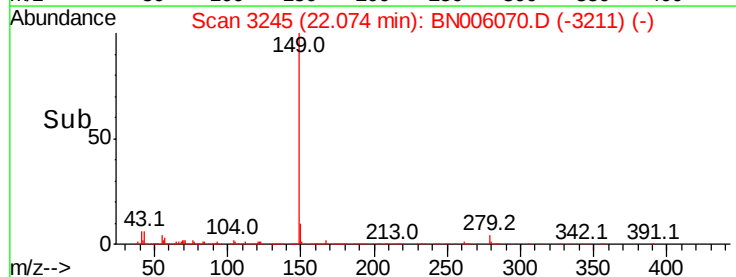
Lab File: BN006070.D

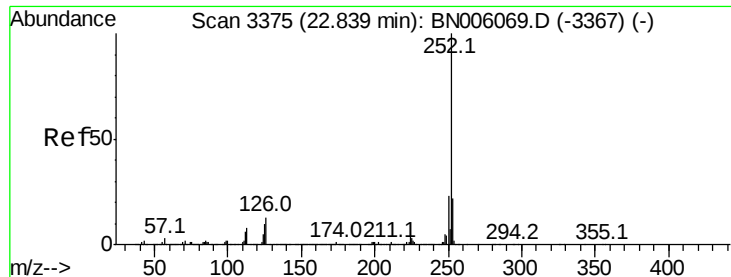
Acq: 04 Jun 2019 18:59

Tgt Ion:149 Resp: 1988424



Abundance Ion 149.00 (148.70 to 149.70): E





#87

Benzo(b)fluoranthene

Concen: 52.392 ng/ul

RT: 22.84 min Scan# 3375

Delta R.T. -0.01 min

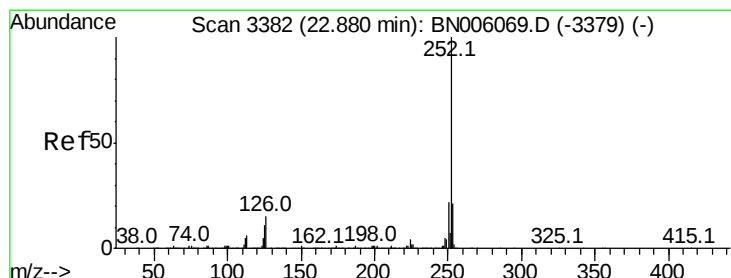
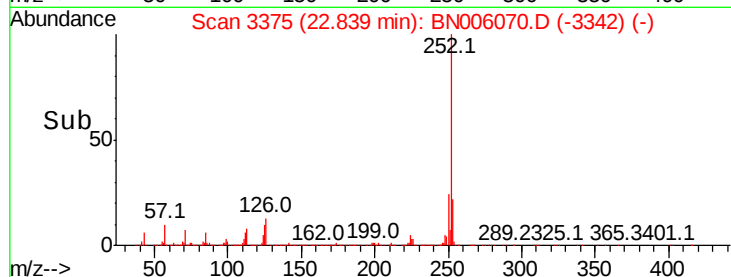
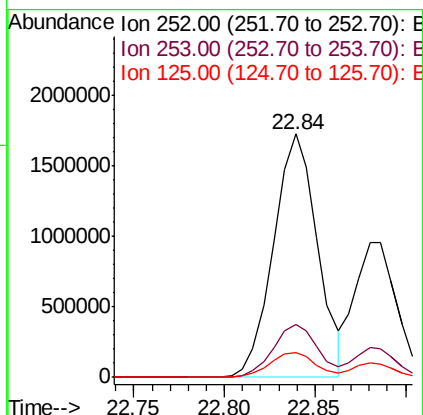
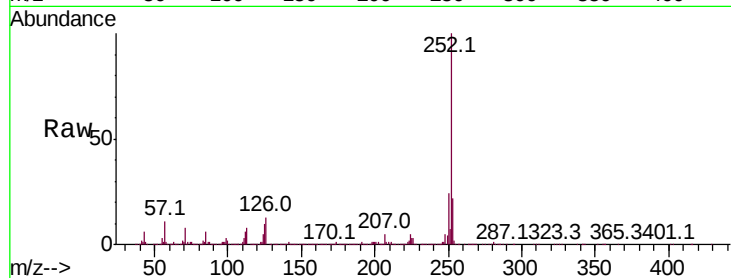
Lab File: BN006070.D

Acq: 04 Jun 2019 18:59

Instrument :
BNA_N
ClientSampleId :
A42F0

Tot Ion:252 Resp: 2918602

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	10.3	8.2	12.2



#88

Benzo(k)fluoranthene

Concen: 28.661 ng/ul

RT: 22.88 min Scan# 3382

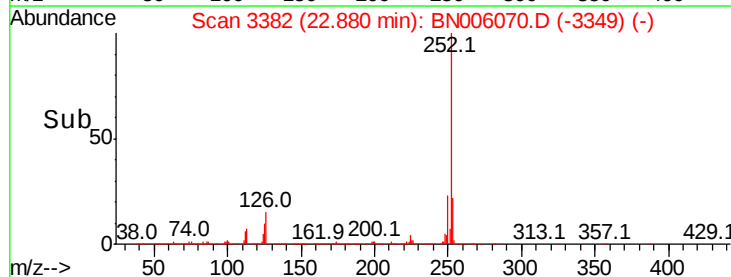
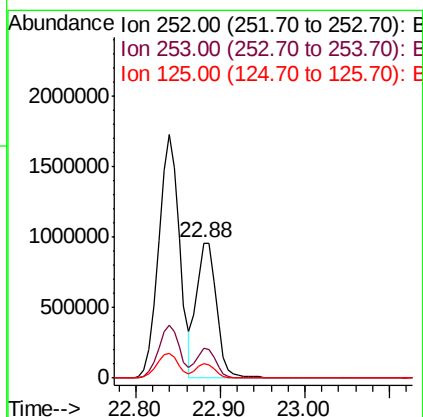
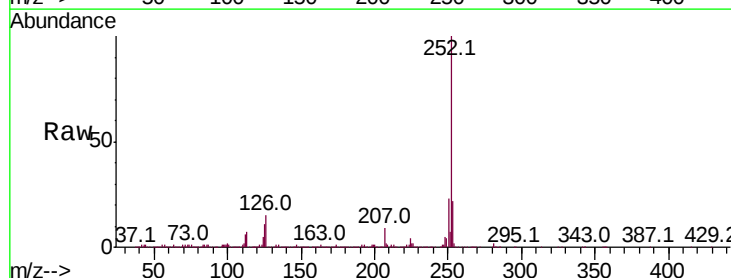
Delta R.T. -0.01 min

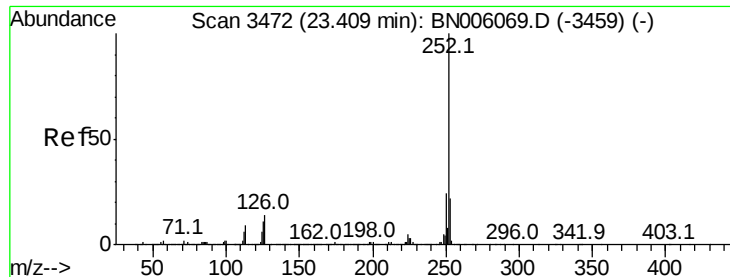
Lab File: BN006070.D

Acq: 04 Jun 2019 18:59

Tgt Ion:252 Resp: 1562962

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	10.6	8.0	12.0





#90

Benzo(a)pyrene

Concen: 30.922 ng/ul

RT: 23.41 min Scan# 3472

Delta R.T. -0.01 min

Lab File: BN006070.D

Acq: 04 Jun 2019 18:59

Instrument :

BNA_N

ClientSampleId :

A42F0

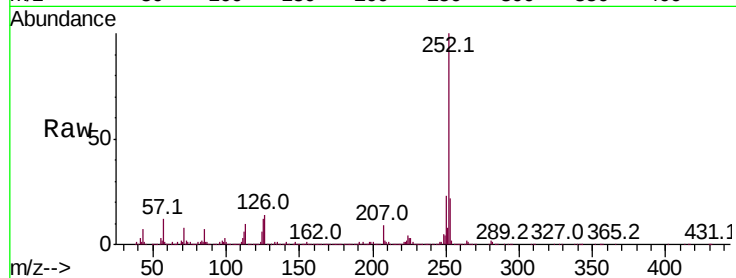
Tot Ion:252 Resp: 1665326

Ion Ratio Lower Upper

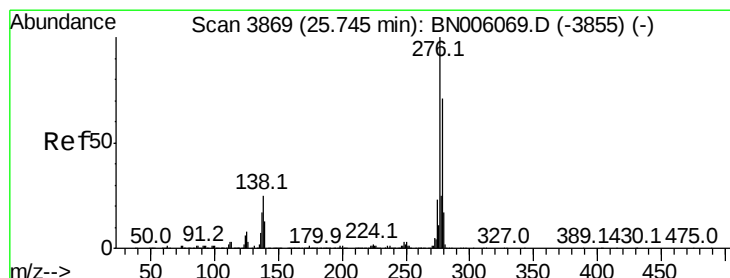
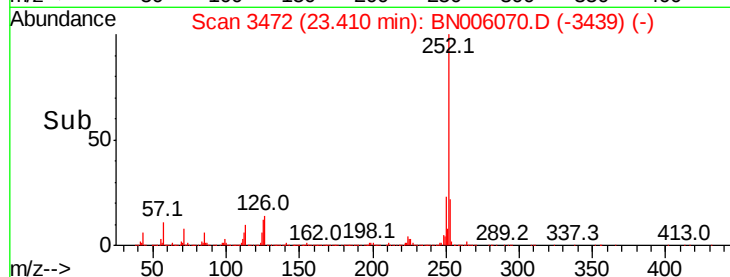
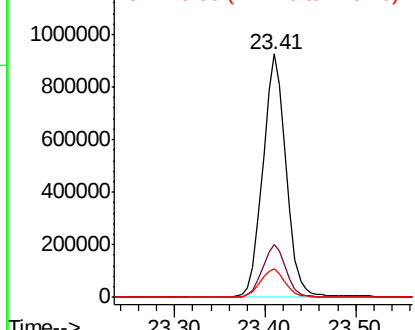
252 100

253 21.8 17.7 26.5

125 11.8 9.7 14.5



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



#91

Indeno(1,2,3-cd)pyrene

Concen: 28.735 ng/ul

RT: 25.74 min Scan# 3869

Delta R.T. -0.01 min

Lab File: BN006070.D

Acq: 04 Jun 2019 18:59

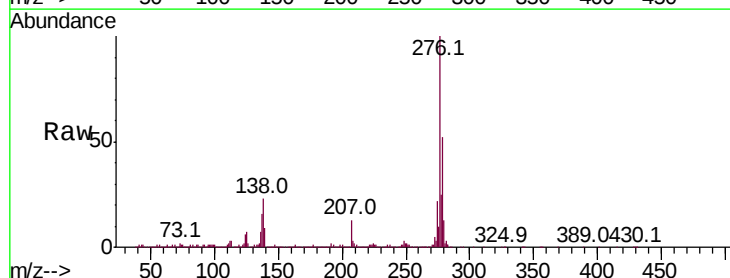
Tgt Ion:276 Resp: 1886735

Ion Ratio Lower Upper

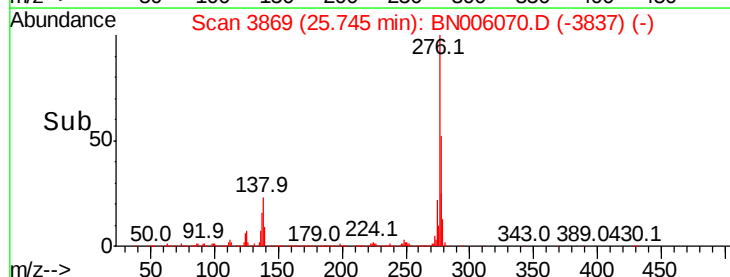
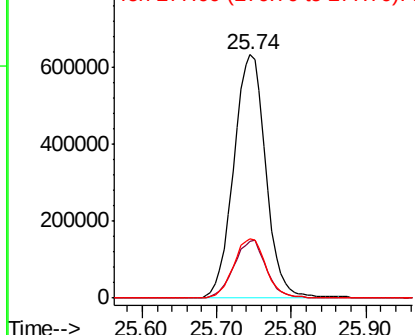
276 100

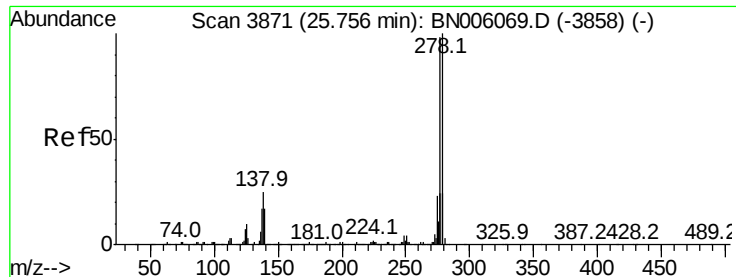
138 23.2 20.2 30.4

277 24.6 19.8 29.8



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

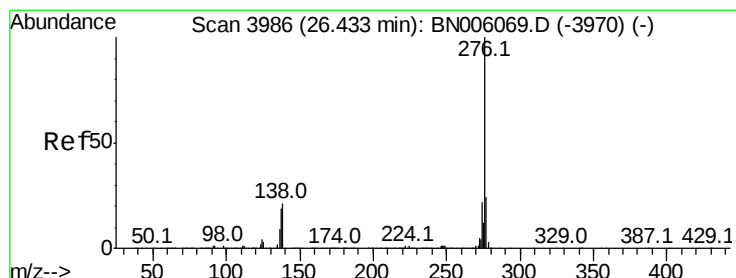
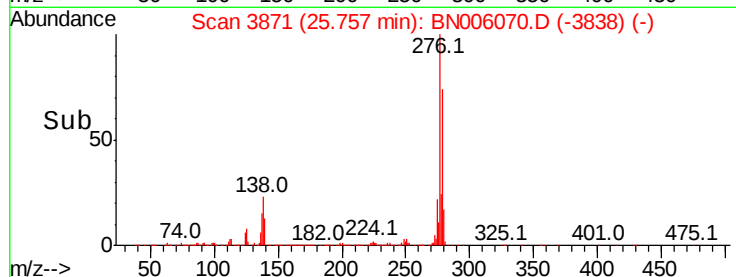
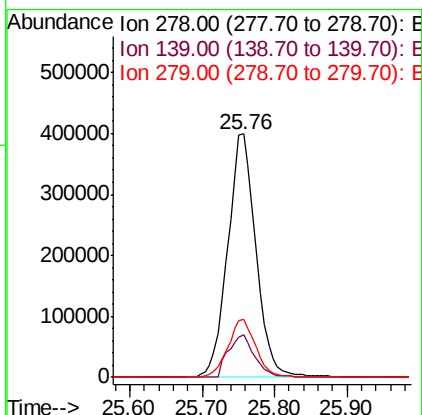
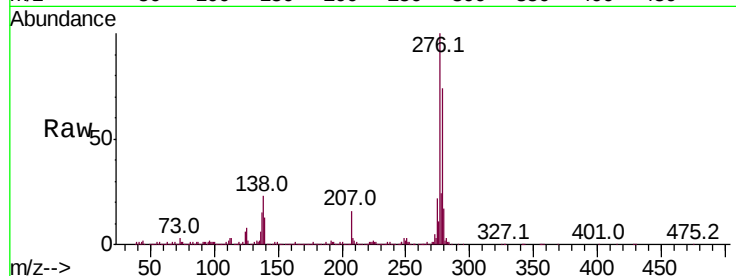




#92
Dibenzo(a,h)anthracene
Concen: 19.592 ng/ul
RT: 25.76 min Scan# 3871
Delta R.T. -0.01 min
Lab File: BN006070.D
Acq: 04 Jun 2019 18:59

Instrument :
BNA_N
ClientSampleId :
A42F0

Tot Ion:278 Resp: 1084909
Ion Ratio Lower Upper
278 100
139 17.3 13.6 20.4
279 23.6 19.0 28.6



#93
Benzo(g,h,i)perylene
Concen: 45.056 ng/ul
RT: 26.43 min Scan# 3986
Delta R.T. -0.01 min
Lab File: BN006070.D
Acq: 04 Jun 2019 18:59

Tgt Ion:276 Resp: 2514743
Ion Ratio Lower Upper
276 100
138 21.6 18.0 27.0
277 23.3 18.8 28.2

