

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100618\
 Data File : BN002958.D
 Acq On : 05 Oct 2018 09:52
 Operator : MJ/SJ
 Sample : J5183-19
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 06 01:08:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 06 01:07:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	150584	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	662590	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	381928	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	759413	20.00	ng/ul	0.00
77) Chrysene-d12	21.23	240	551560	20.00	ng/ul	0.00
85) Perylene-d12	23.44	264	544732	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	8066	2.47	ng/uL	0.00
5) Phenol-d5	6.82	99	227006	17.75	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.97	67	147001	18.51	ng/ul	0.00
9) 2-Chlorophenol-d4	7.16	132	196243	18.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.34	113	179704	18.14	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	101404	19.76	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	111982	19.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.04	165	201877	19.25	ng/ul	0.01
29) 4-Chloroaniline-d4	10.55	131	177151	14.60	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	628669	21.03	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	829442	21.25	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	65068	13.16	ng/ul	0.01
57) Fluorene-d10	15.26	176	566811	21.64	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.41	200	51902	10.93	ng/ul	0.00
70) Anthracene-d10	17.12	188	776768	21.42	ng/ul	0.00
78) Pyrene-d10	19.42	212	692609	23.80	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.30	264	613085	21.38	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	6.85	94	28501	2.210	ng/ul 96
28) Naphthalene	10.45	128	43294	1.268	ng/ul 98
44) Dimethylphthalate	13.72	163	357820	12.263	ng/ul 99
47) Acenaphthylene	13.98	152	65131	1.776	ng/ul 96
49) Acenaphthene	14.33	153	26784	1.031	ng/ul 98
58) Fluorene	15.32	166	33044	1.155	ng/ul# 93
68) Pentachlorophenol	16.69	266	5976	1.411	ng/ul 94
69) Phenanthrene	17.06	178	526639	12.587	ng/ul 99
71) Anthracene	17.15	178	112014	2.640	ng/ul 95
74) Carbazole	17.43	167	58069	1.595	ng/ul# 94
75) Di-n-butylphthalate	17.99	149	340036	7.784	ng/ul 98
76) Fluoranthene	19.09	202	960349	21.516	ng/ul 100
79) Pyrene	19.45	202	959814	26.319	ng/ul 98
80) Butylbenzylphthalate	20.36	149	52137	3.436	ng/ul# 82
82) Benzo(a)anthracene	21.21	228	410321	11.959	ng/ul 95
83) Bis(2-ethylhexyl)phthalate	21.14	149	201518	9.147	ng/ul 100
84) Chrysene	21.26	228	747264	23.235	ng/ul 98
87) Benzo(b)fluoranthene	22.78	252	1139098	34.240	ng/ul# 93
88) Benzo(k)fluoranthene	22.78	252	1139098	36.702	ng/ul# 95
90) Benzo(a)pyrene	23.34	252	430165	13.677	ng/ul# 90
91) Indeno(1,2,3-cd)pyrene	25.65	276	603543	16.209	ng/ul 96
92) Dibenzo(a,h)anthracene	25.65	278	160671	5.121	ng/ul# 90
93) Benzo(g,h,i)perylene	26.33	276	673268	21.631	ng/ul 98

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 06 01:07:30 2018
Response via : Initial Calibration

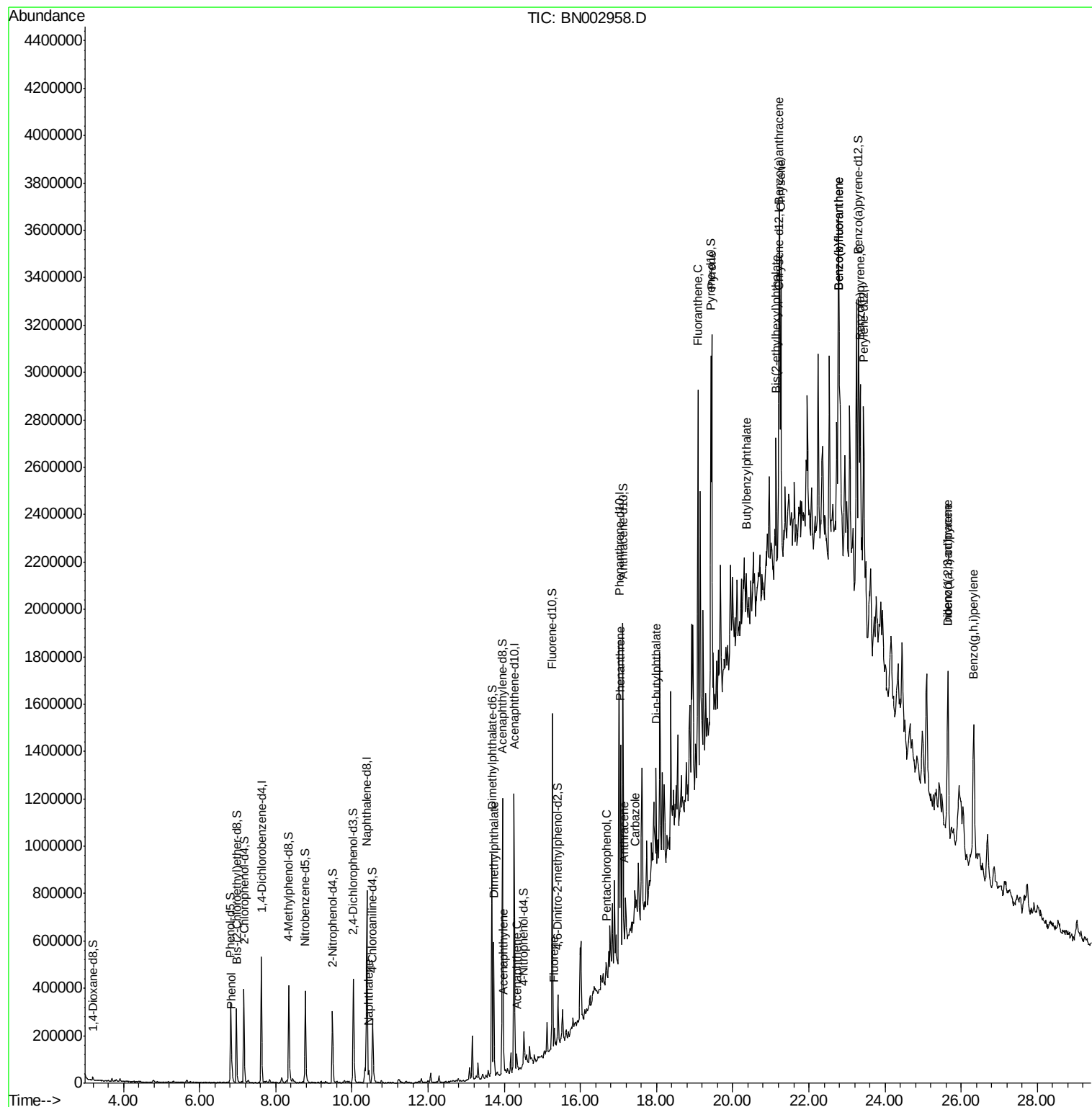
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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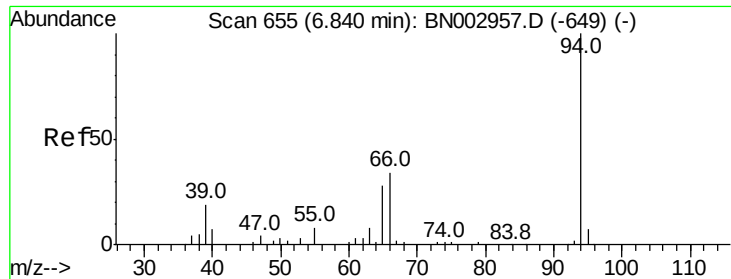
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 2.210 ng/ul

RT: 6.85 min Scan# 656

Delta R.T. 0.01 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Instrument :

BNA_N

ClientSampleId :

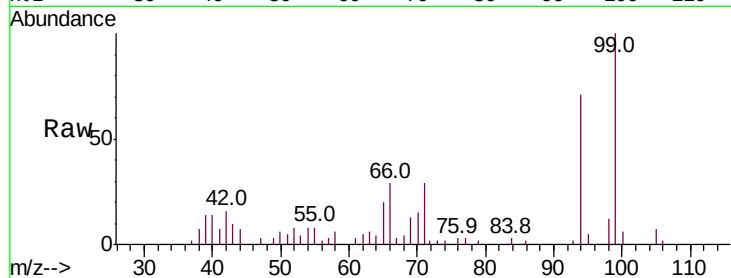
Tot Ion: 94 Resp: 28501

Ion Ratio Lower Upper

94 100

65 28.4 23.1 34.7

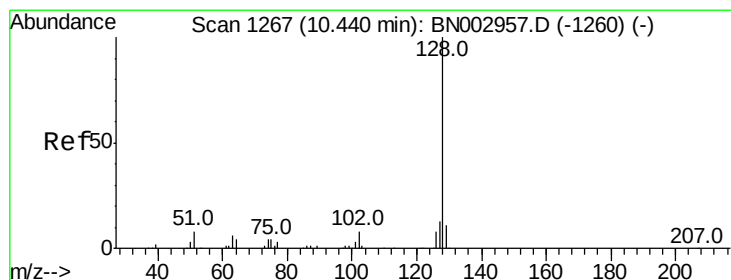
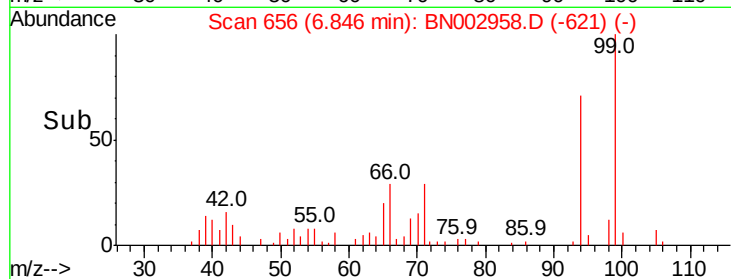
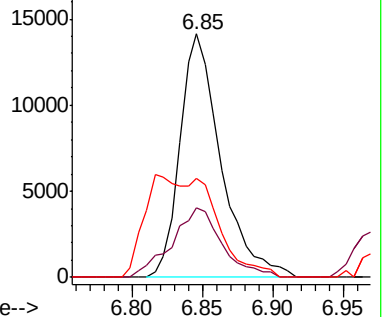
66 40.5 29.8 44.6



Abundance Ion 94.00 (93.70 to 94.70): BN002957.D (-649) (-)

Ion 65.00 (64.70 to 65.70): BN002957.D (-649) (-)

Ion 66.00 (65.70 to 66.70): BN002957.D (-649) (-)



#28

Naphthalene

Concen: 1.268 ng/ul

RT: 10.45 min Scan# 1268

Delta R.T. 0.01 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

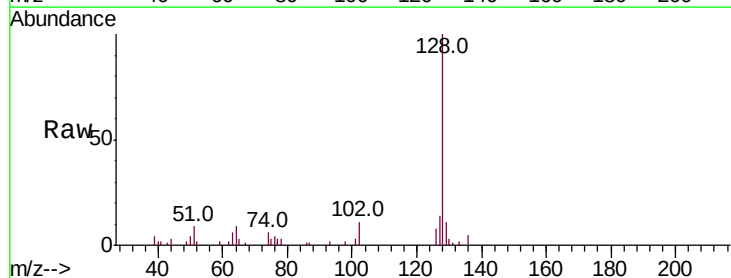
Tgt Ion:128 Resp: 43294

Ion Ratio Lower Upper

128 100

129 11.0 8.3 12.5

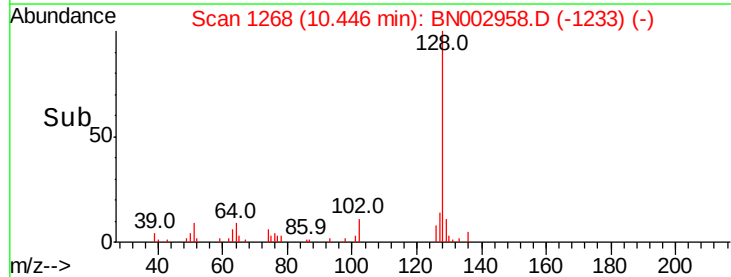
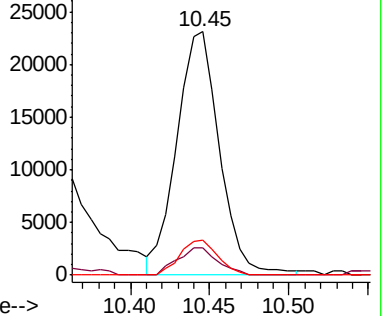
127 14.3 10.5 15.7

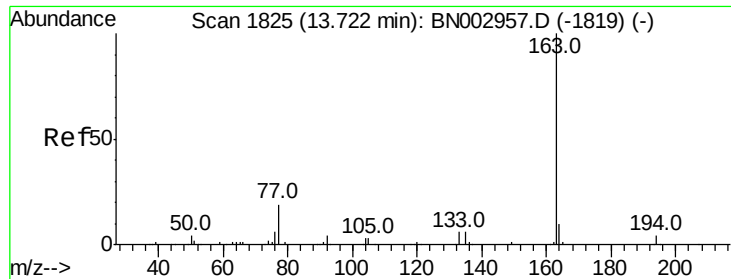


Abundance Ion 128.00 (127.70 to 128.70): BN002957.D (-1260) (-)

Ion 129.00 (128.70 to 129.70): BN002957.D (-1260) (-)

Ion 127.00 (126.70 to 127.70): BN002957.D (-1260) (-)





#44

Dimethylphthalate

Concen: 12.263 ng/ul

RT: 13.72 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Instrument :

BNA_N

ClientSampleId :

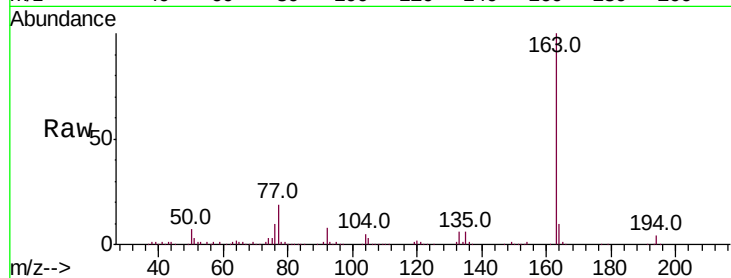
Tot Ion:163 Resp: 357820

Ion Ratio Lower Upper

163 100

194 4.1 3.5 5.3

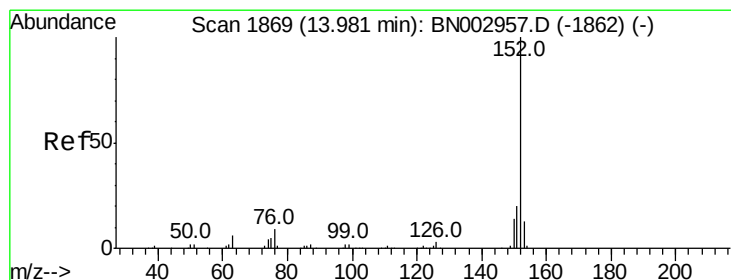
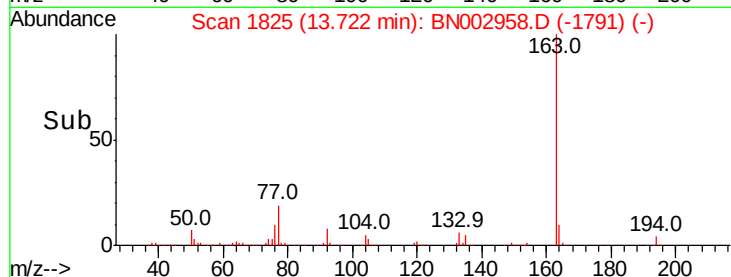
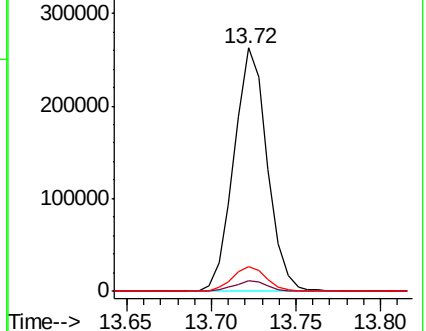
164 9.9 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#47

Acenaphthylene

Concen: 1.776 ng/ul

RT: 13.98 min Scan# 1869

Delta R.T. 0.00 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

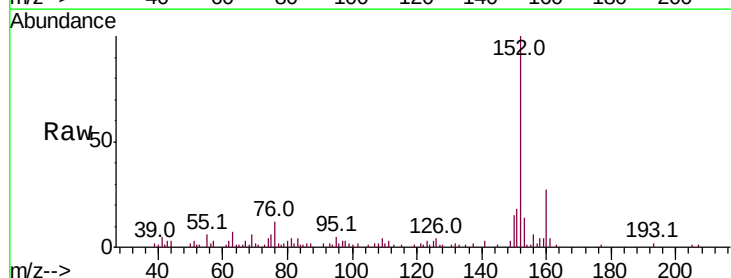
Tgt Ion:152 Resp: 65131

Ion Ratio Lower Upper

152 100

151 17.9 16.0 24.0

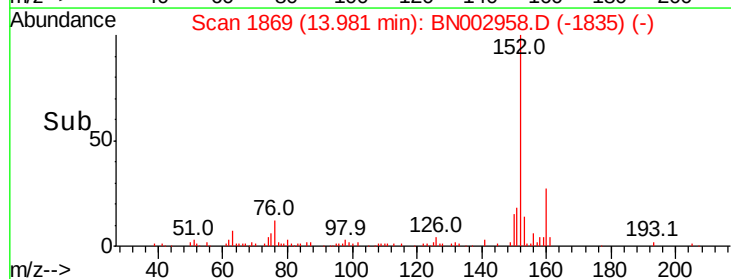
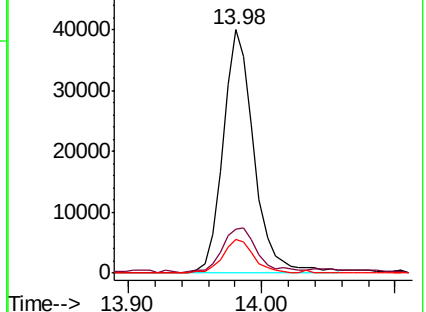
153 14.1 10.6 16.0

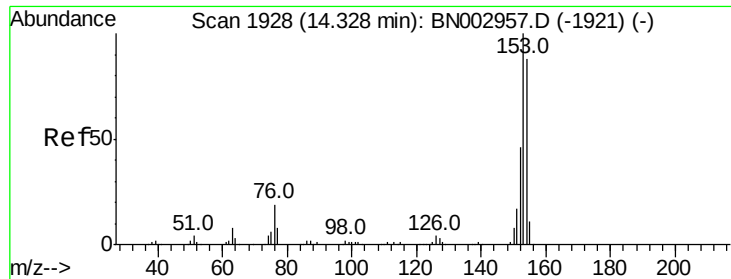


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 1.031 ng/ul

RT: 14.33 min Scan# 1928

Delta R.T. 0.00 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Instrument :

BNA_N

ClientSampleId :

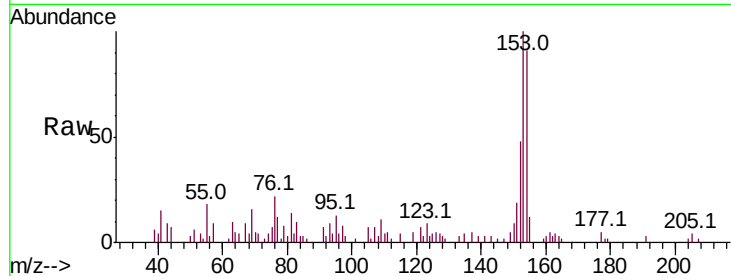
Tot Ion:153 Resp: 26784

Ion Ratio Lower Upper

153 100

152 48.0 37.8 56.6

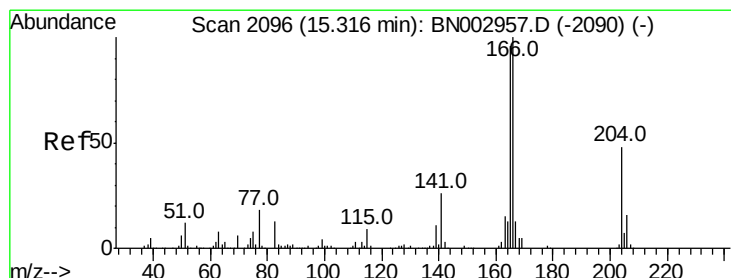
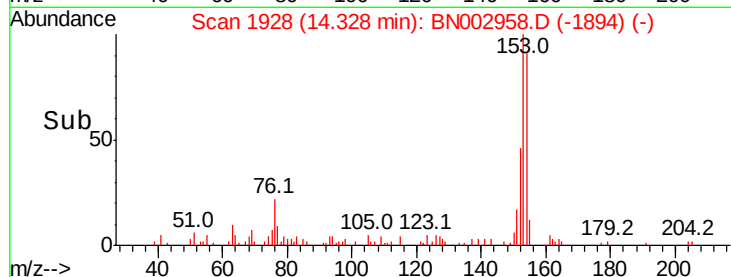
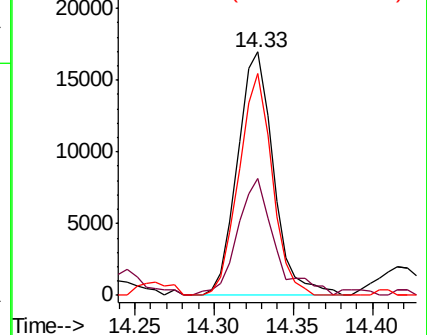
154 91.0 70.9 106.3



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



#58

Fluorene

Concen: 1.155 ng/ul

RT: 15.32 min Scan# 2096

Delta R.T. 0.00 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

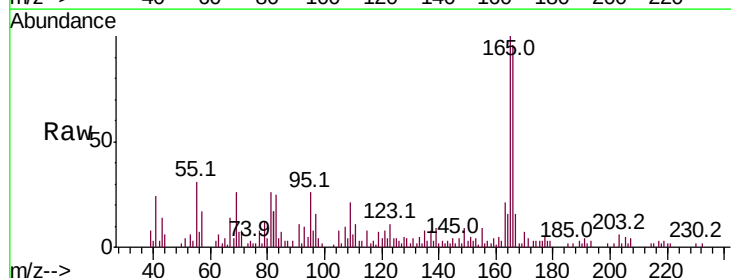
Tgt Ion:166 Resp: 33044

Ion Ratio Lower Upper

166 100

165 104.2 78.3 117.5

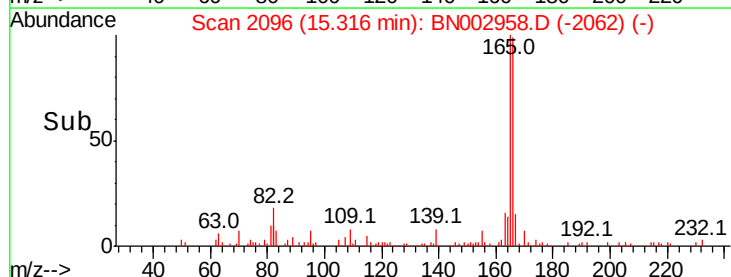
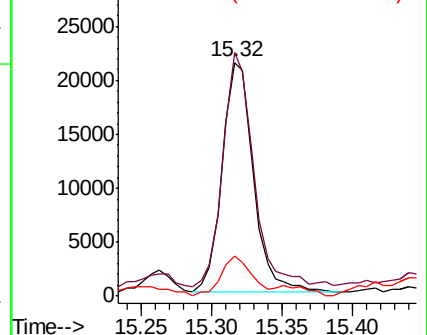
167 17.1 11.0 16.6#

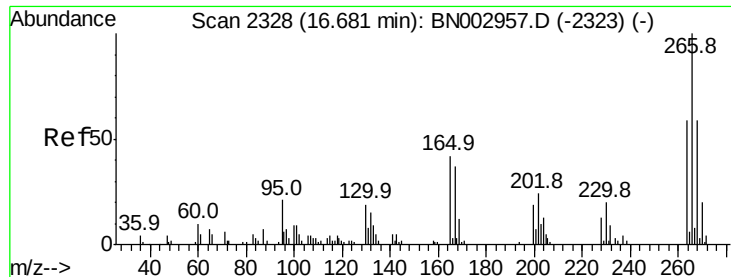


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

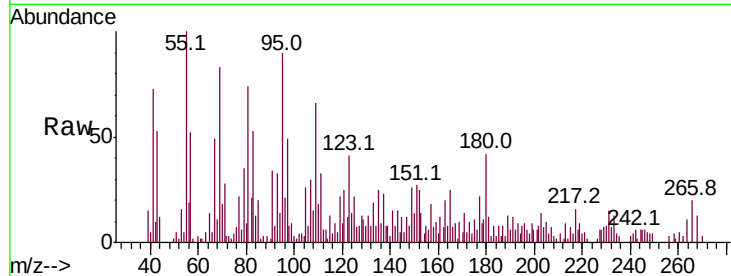




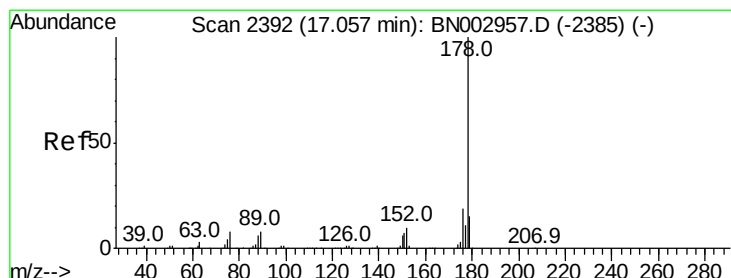
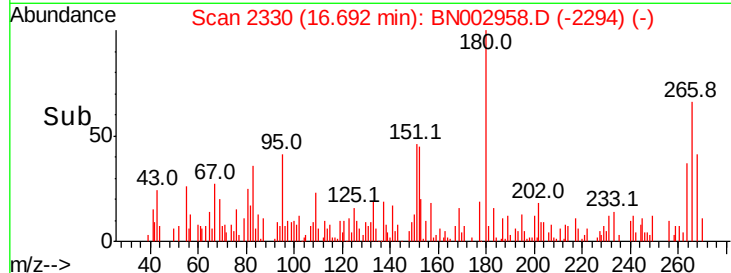
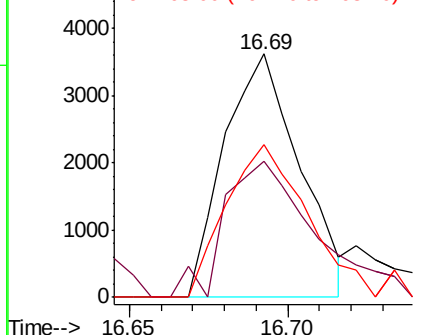
#68
 Pentachlorophenol
 Concen: 1.411 ng/ul
 RT: 16.69 min Scan# 2330
 Delta R.T. 0.01 min
 Lab File: BN002958.D
 Acq: 05 Oct 2018 09:52

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
266	100		
264	55.9	49.9	74.9
268	63.0	52.6	79.0

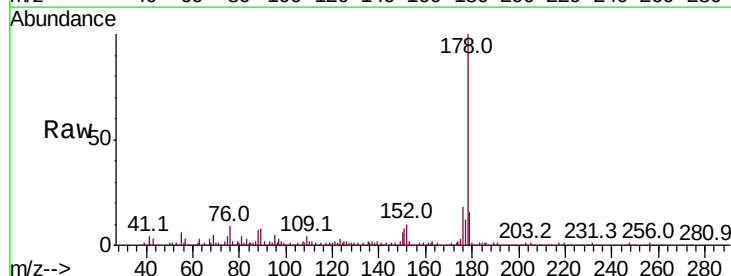


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

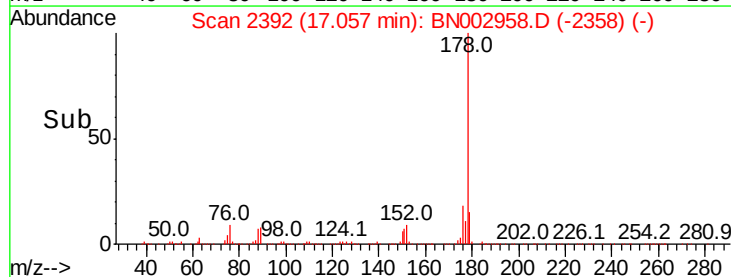
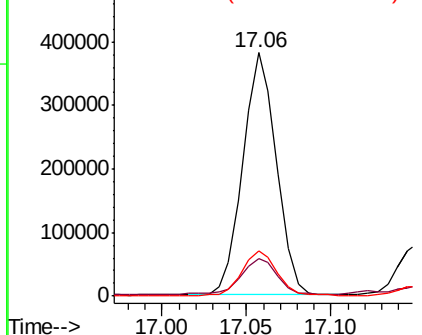


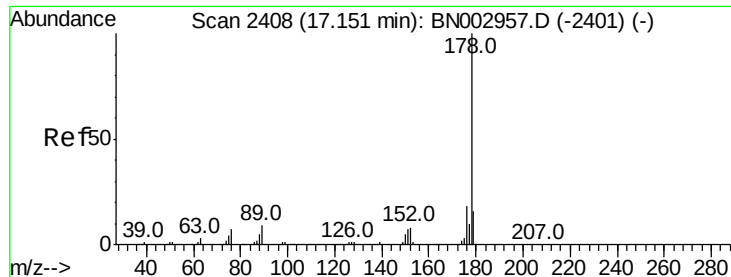
#69
 Phenanthrene
 Concen: 12.587 ng/ul
 RT: 17.06 min Scan# 2392
 Delta R.T. 0.00 min
 Lab File: BN002958.D
 Acq: 05 Oct 2018 09:52

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.2	18.4
176	18.5	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

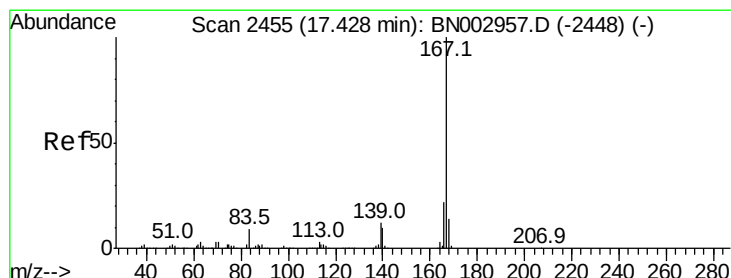
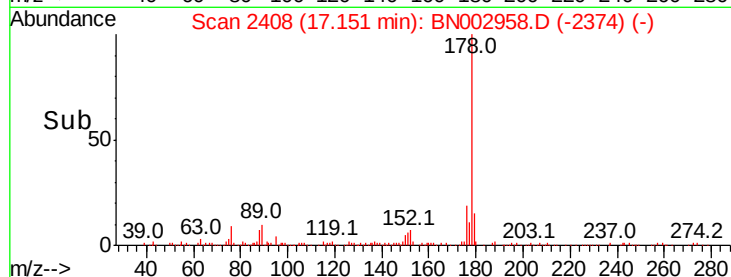
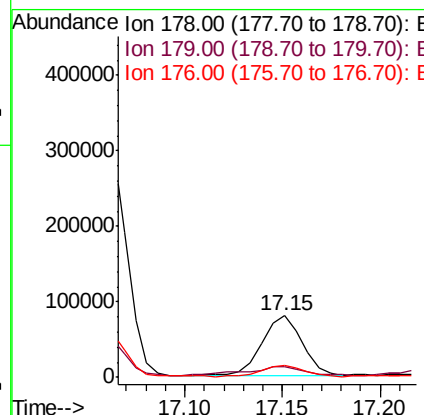
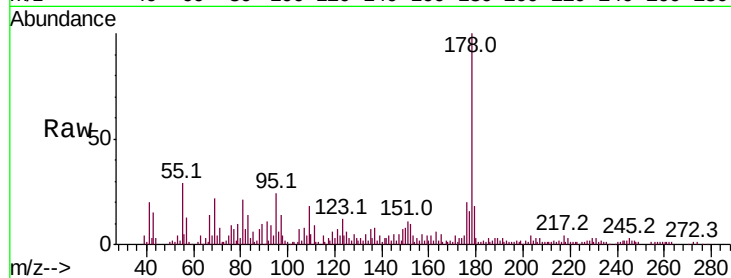




#71
 Anthracene
 Concen: 2.640 ng/ul
 RT: 17.15 min Scan# 2408
 Delta R.T. 0.00 min
 Lab File: BN002958.D
 Acq: 05 Oct 2018 09:52

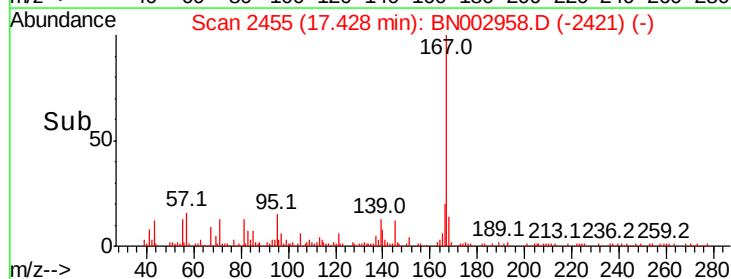
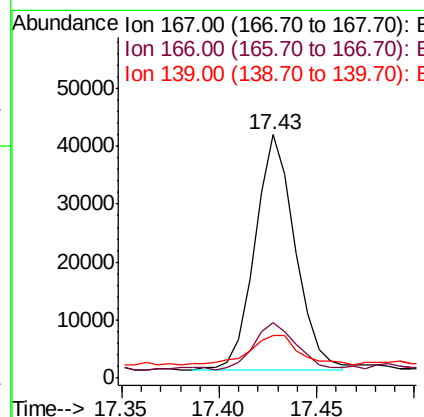
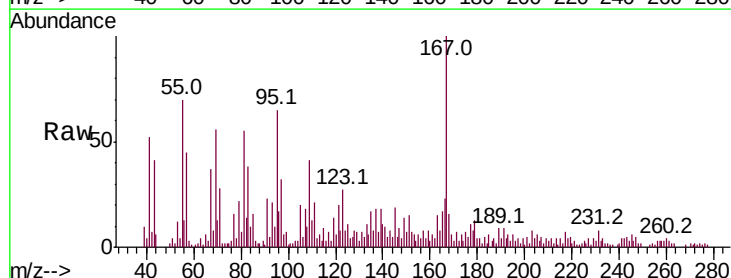
Instrument :
 BNA_N
 ClientSampleId :

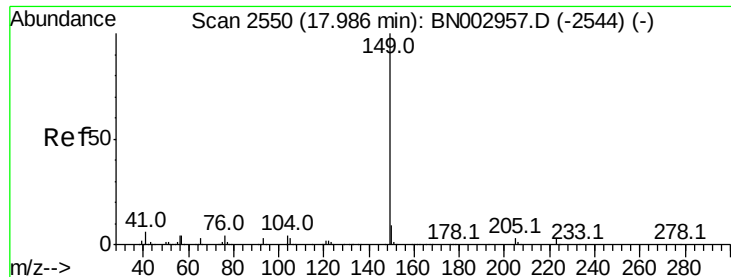
Tot Ion:178 Resp: 112014
 Ion Ratio Lower Upper
 178 100
 179 17.9 12.0 18.0
 176 19.8 15.0 22.4



#74
 Carbazole
 Concen: 1.595 ng/ul
 RT: 17.43 min Scan# 2455
 Delta R.T. 0.00 min
 Lab File: BN002958.D
 Acq: 05 Oct 2018 09:52

Tgt Ion:167 Resp: 58069
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.0 25.6
 139 17.6 10.7 16.1#





#75

Di-n-butylphthalate

Concen: 7.784 ng/ul

RT: 17.99 min Scan# 2550

Delta R.T. 0.00 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Instrument :

BNA_N

ClientSampleId :

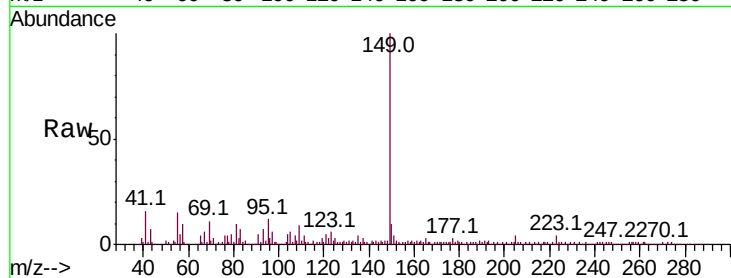
Tot Ion:149 Resp: 340036

Ion Ratio Lower Upper

149 100

150 9.9 7.3 10.9

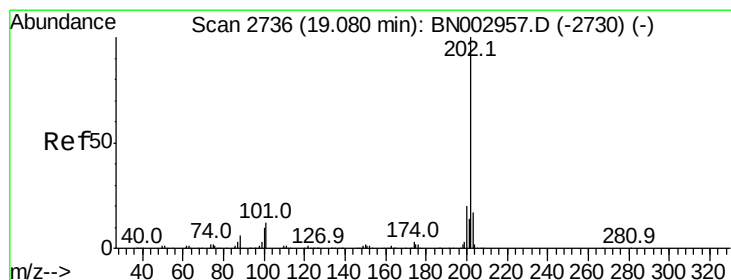
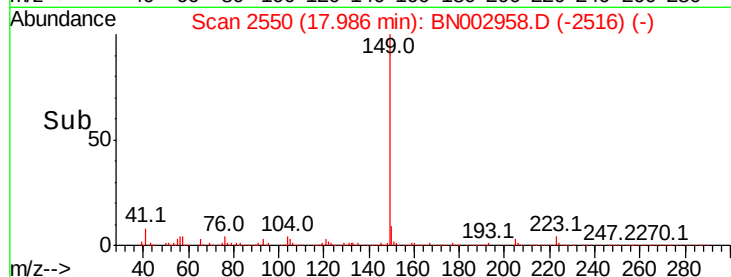
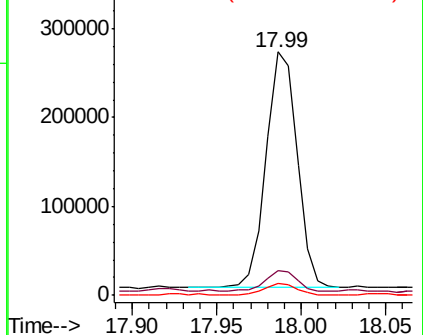
104 4.7 3.7 5.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76

Fluoranthene

Concen: 21.516 ng/ul

RT: 19.09 min Scan# 2737

Delta R.T. 0.01 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

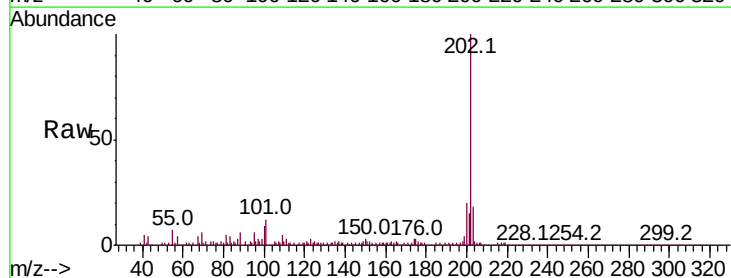
Tgt Ion:202 Resp: 960349

Ion Ratio Lower Upper

202 100

101 11.9 9.4 14.2

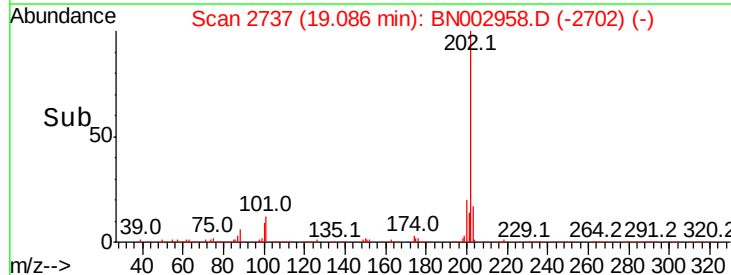
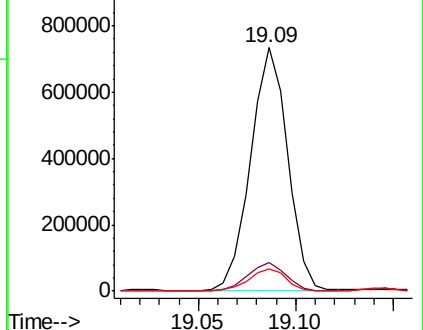
100 9.1 7.0 10.6

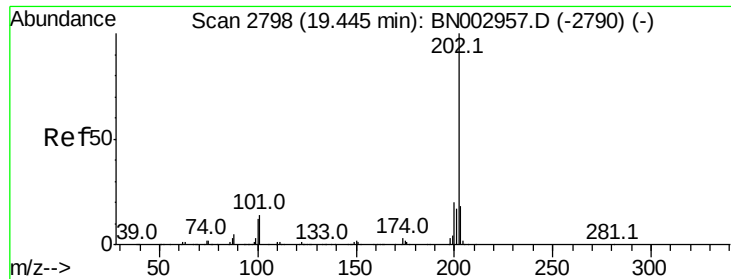


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#79

Pvrene

Concen: 26.319 ng/ul

RT: 19.45 min Scan# 2799

Delta R.T. 0.01 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Instrument :

BNA_N

ClientSampled :

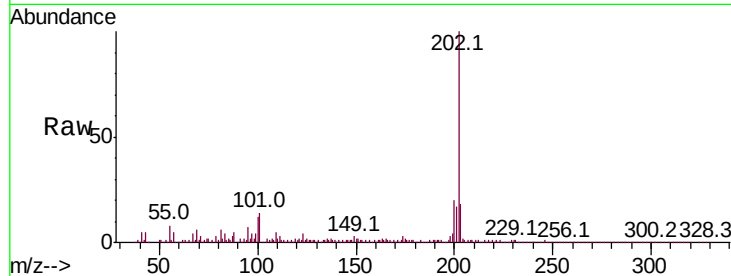
Tot Ion:202 Resp: 959814

Ion Ratio Lower Upper

202 100

101 14.1 10.8 16.2

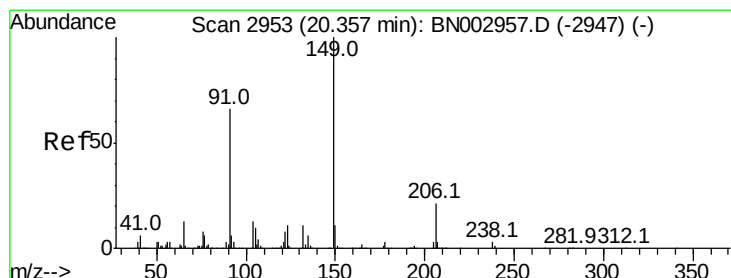
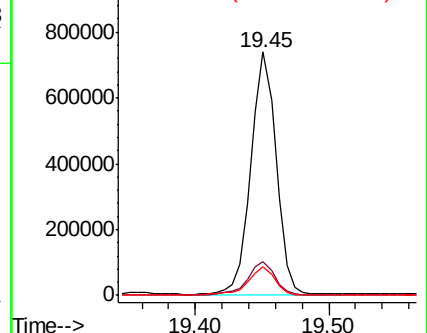
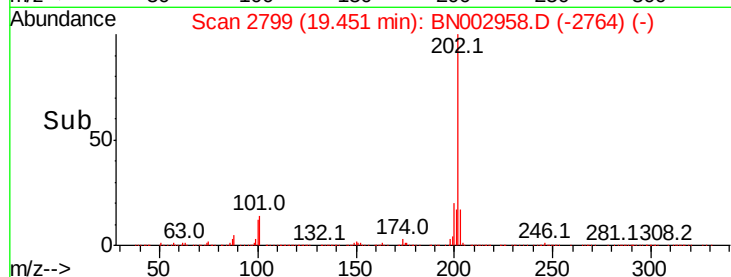
100 11.5 8.2 12.2



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): E



#80

Butylbenzylphthalate

Concen: 3.436 ng/ul

RT: 20.36 min Scan# 2953

Delta R.T. 0.00 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

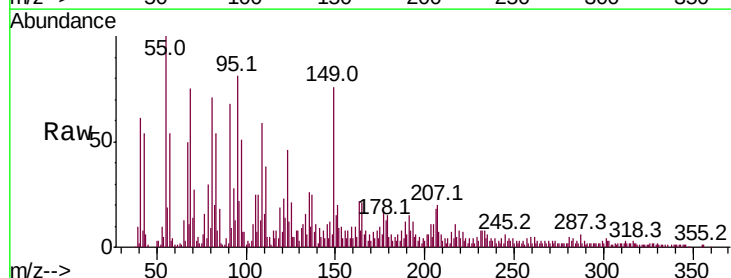
Tgt Ion:149 Resp: 52137

Ion Ratio Lower Upper

149 100

91 88.5 56.3 84.5#

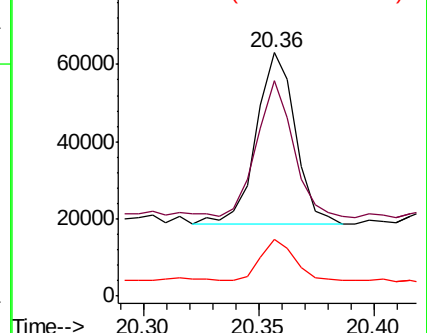
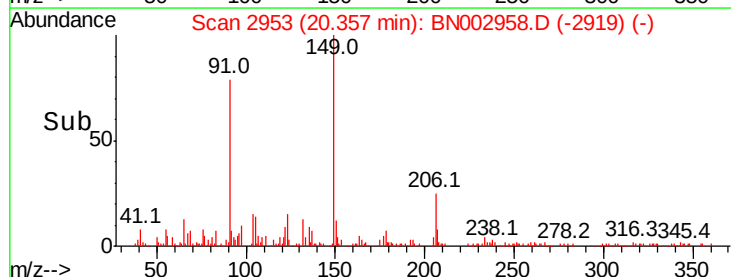
206 23.1 16.8 25.2

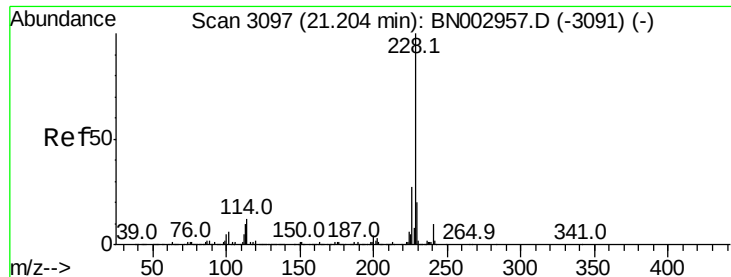


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BNC

Ion 206.00 (205.70 to 206.70): E

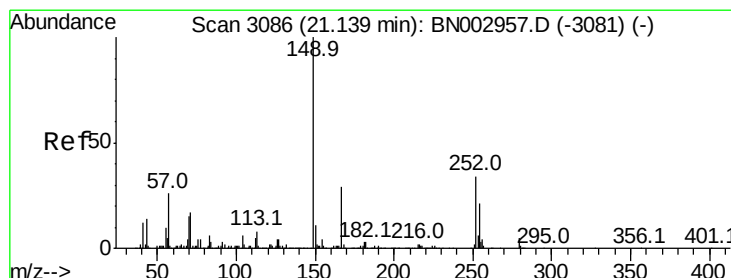
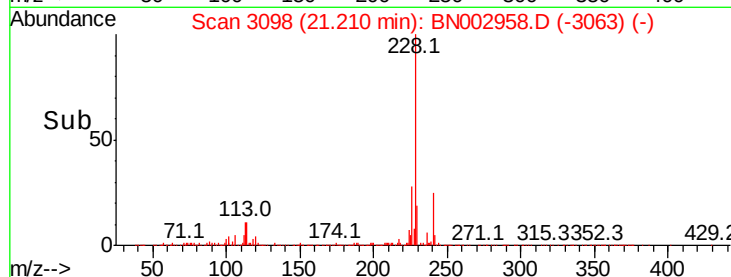
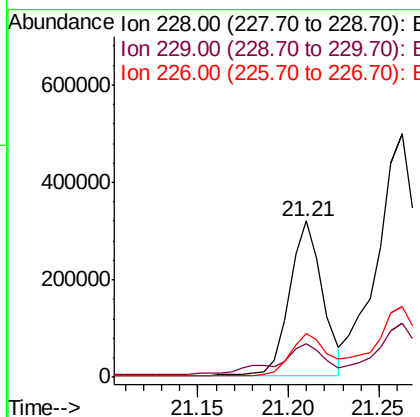
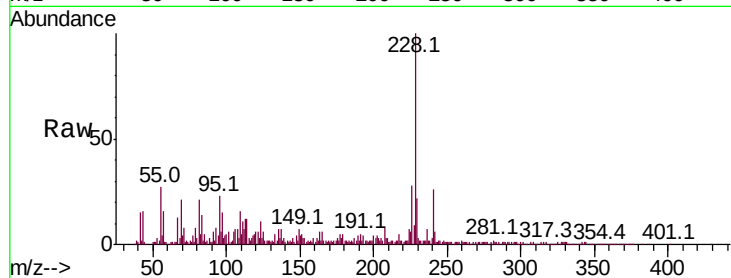




#82
Benzo(a)anthracene
Concen: 11.959 ng/ul
RT: 21.21 min Scan# 3098
Delta R.T. 0.01 min
Lab File: BN002958.D
Acq: 05 Oct 2018 09:52

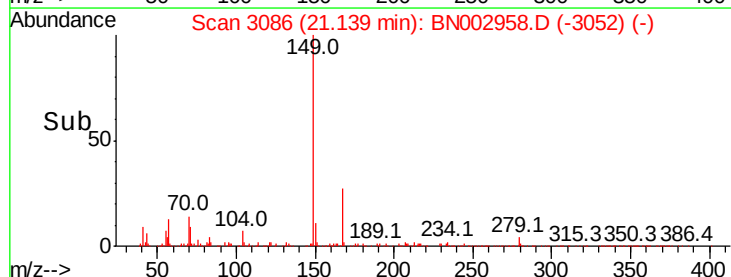
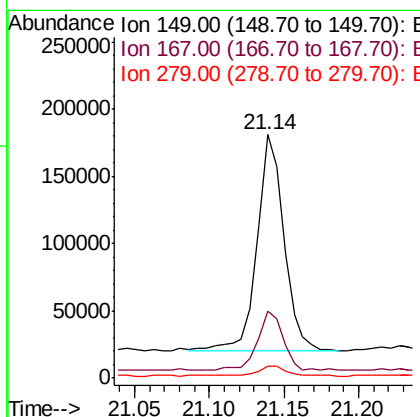
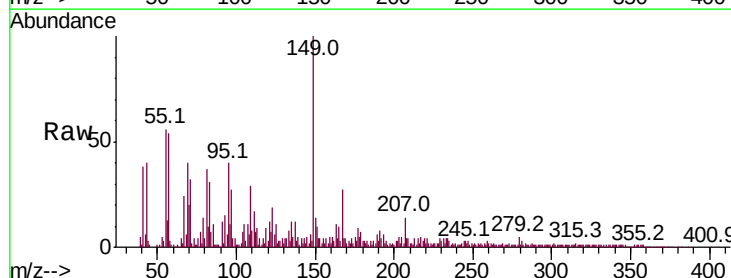
Instrument :
BNA_N
ClientSampleId :

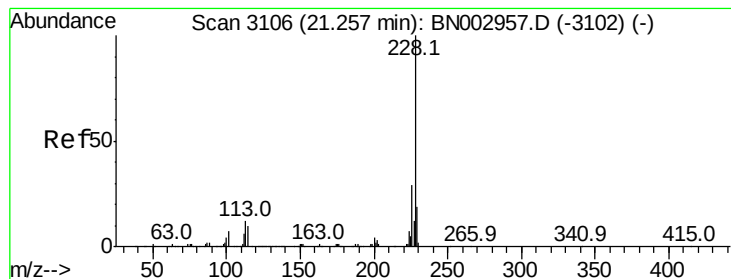
Tot Ion:228 Resp: 410321
Ion Ratio Lower Upper
228 100
229 21.9 15.8 23.6
226 28.3 20.9 31.3



#83
Bis(2-ethylhexyl)phthalate
Concen: 9.147 ng/ul
RT: 21.14 min Scan# 3086
Delta R.T. 0.00 min
Lab File: BN002958.D
Acq: 05 Oct 2018 09:52

Tgt Ion:149 Resp: 201518
Ion Ratio Lower Upper
149 100
167 27.4 22.0 33.0
279 4.7 3.3 4.9





#84

Chrysene

Concen: 23.235 ng/ul

RT: 21.26 min Scan# 3107

Delta R.T. 0.01 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Instrument :

BNA_N

ClientSampleId :

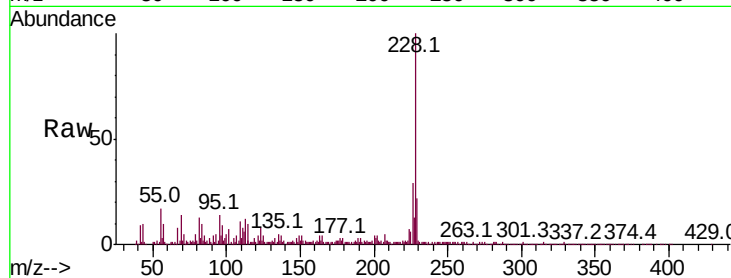
Tot Ion:228 Resp: 747264

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.4	35.0
229	22.2	15.7	23.5

228 100

226 29.2 23.4 35.0

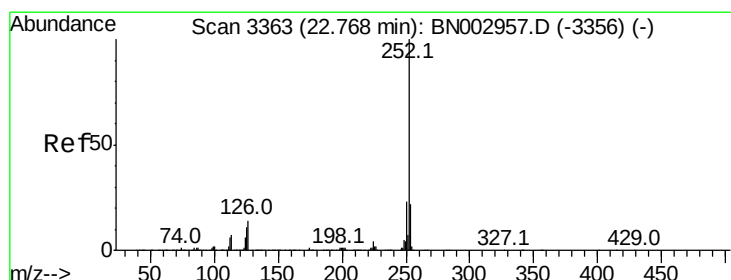
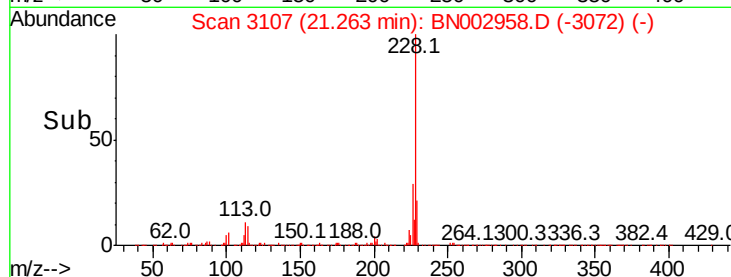
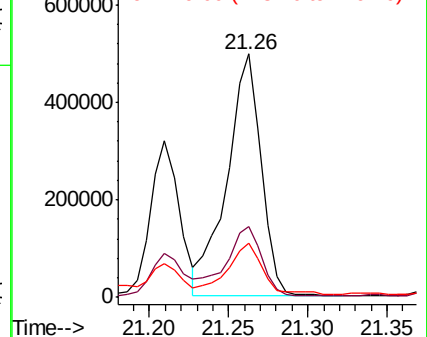
229 22.2 15.7 23.5



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: 34.240 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. 0.01 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

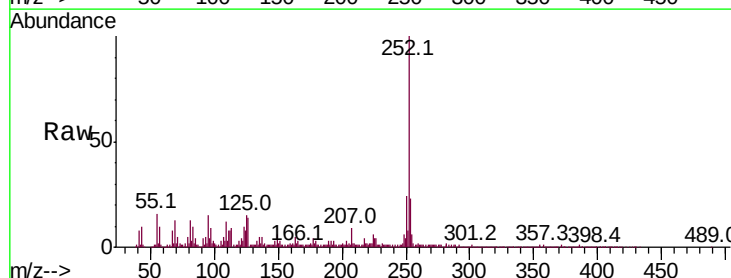
Tgt Ion:252 Resp: 1139098

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.4
125	14.9	8.0	12.0

252 100

253 23.2 17.0 25.4

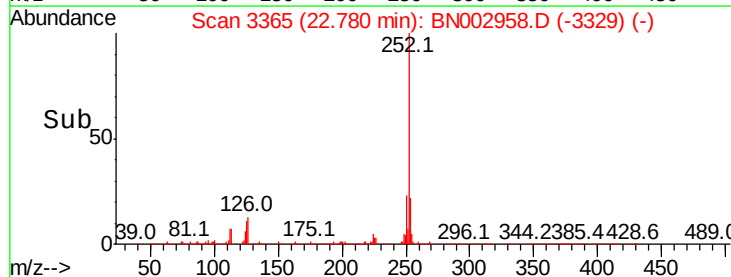
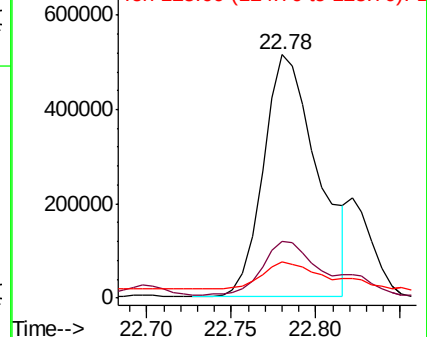
125 14.9 8.0 12.0

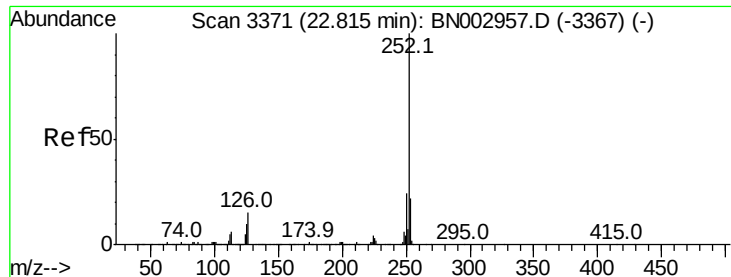


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 36.702 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. -0.04 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Instrument :

BNA_N

ClientSampleId :

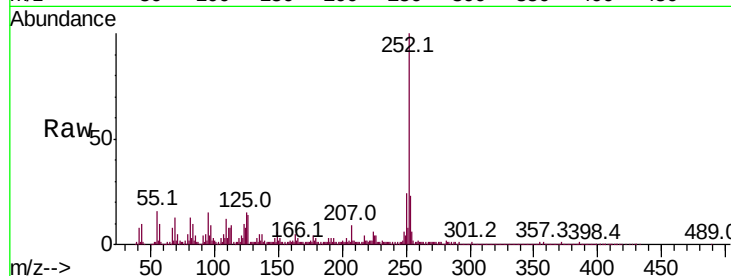
Tot Ion:252 Resp: 1139098

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

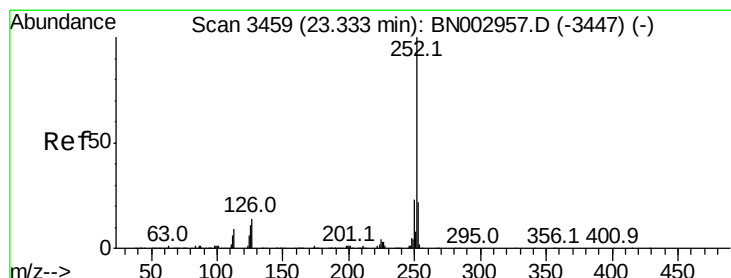
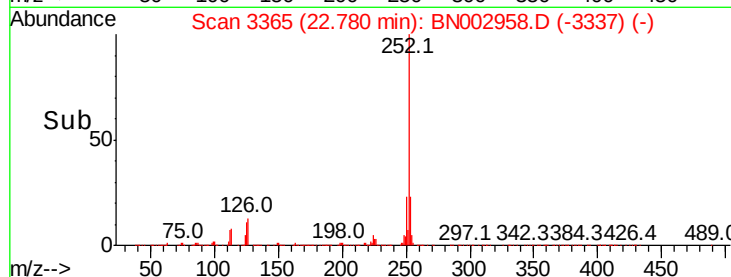
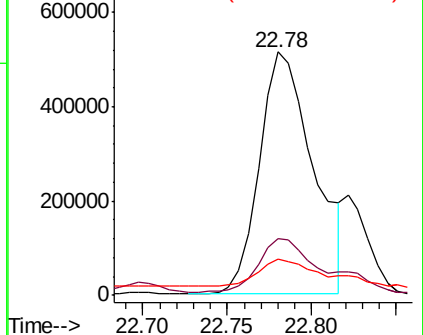
125 14.9 8.3 12.5#



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



#90

Benzo(a)pyrene

Concen: 13.677 ng/ul

RT: 23.34 min Scan# 3461

Delta R.T. 0.01 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

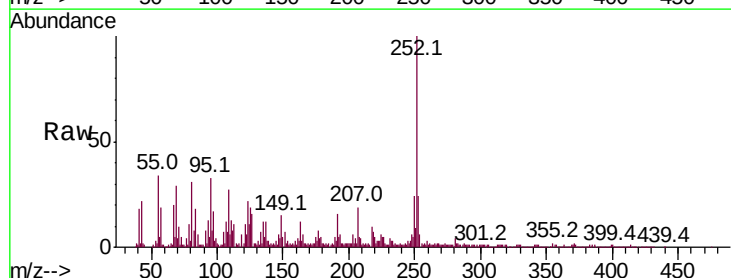
Tgt Ion:252 Resp: 430165

Ion Ratio Lower Upper

252 100

253 24.3 17.6 26.4

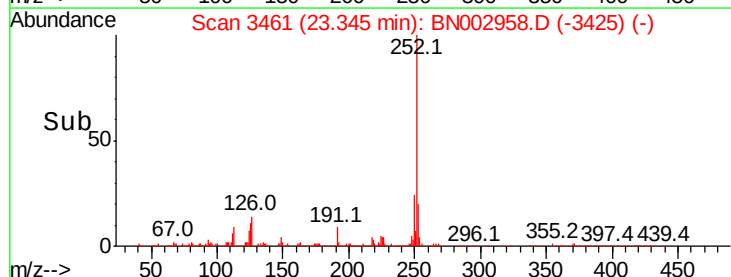
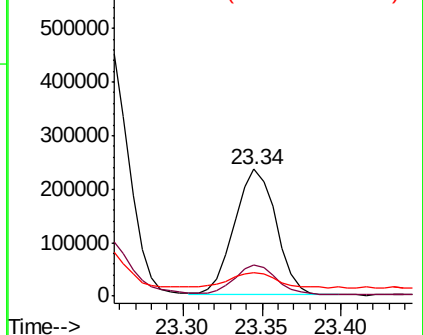
125 18.7 8.8 13.2#

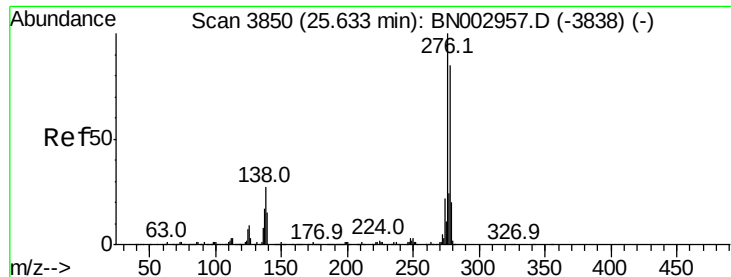


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



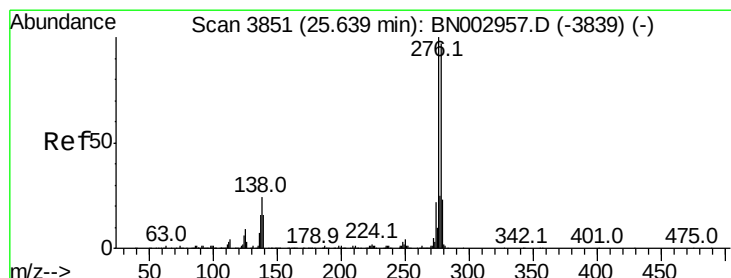
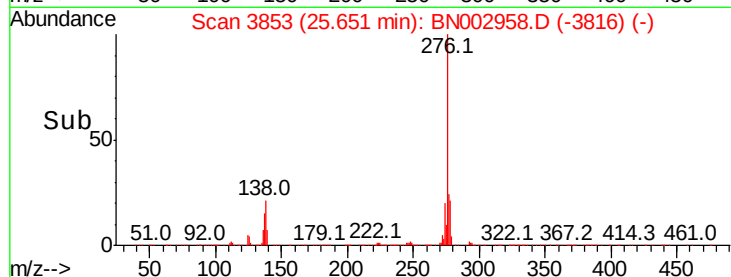
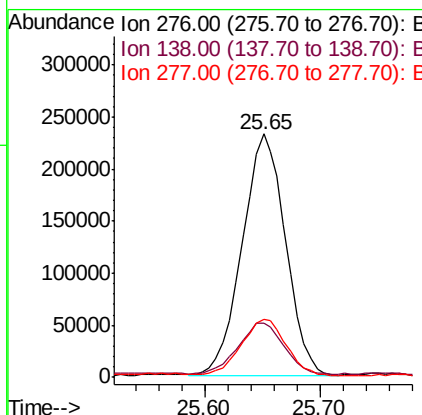
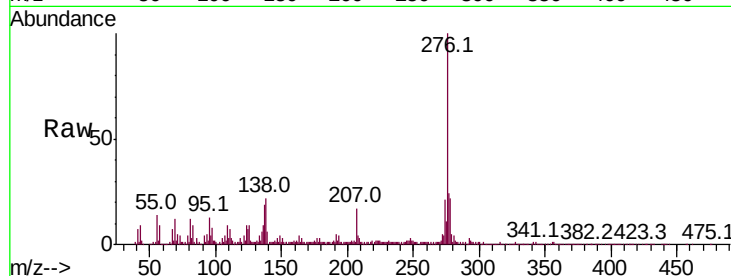


#91

Indeno(1,2,3-cd)pyrene
Concen: 16.209 ng/ul
RT: 25.65 min Scan# 3853
Delta R.T. 0.02 min
Lab File: BN002958.D
Acq: 05 Oct 2018 09:52

Instrument :
BNA_N
ClientSampleId :

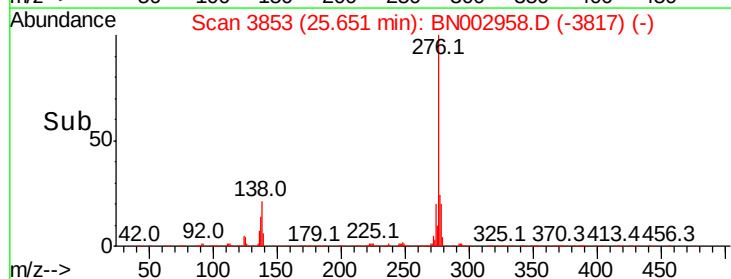
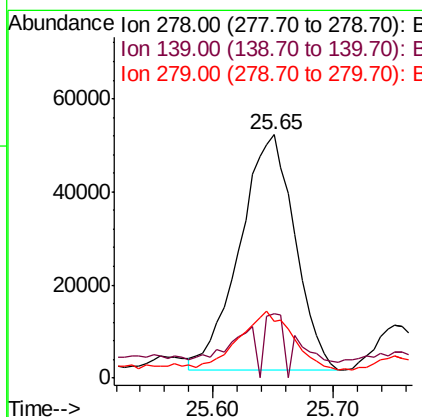
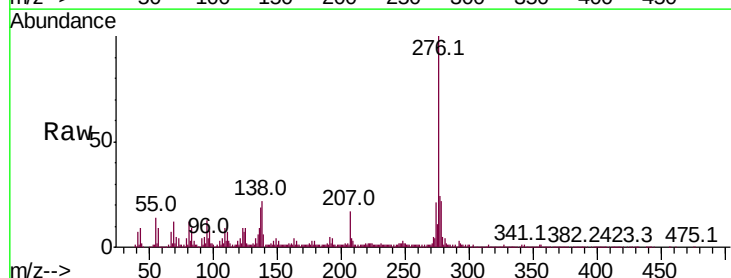
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.1	20.2	30.4
277	23.9	20.0	30.0

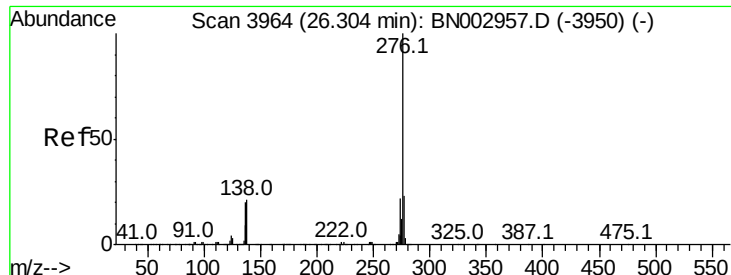


#92

Dibenzo(a,h)anthracene
Concen: 5.121 ng/ul
RT: 25.65 min Scan# 3853
Delta R.T. 0.01 min
Lab File: BN002958.D
Acq: 05 Oct 2018 09:52

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.4	12.7	19.1#
279	23.4	18.7	28.1





#93

Benzo(a,h,i)perylene

Concen: 21.631 ng/ul

RT: 26.33 min Scan# 3969

Delta R.T. 0.03 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Instrument :

BNA_N

ClientSampleId :

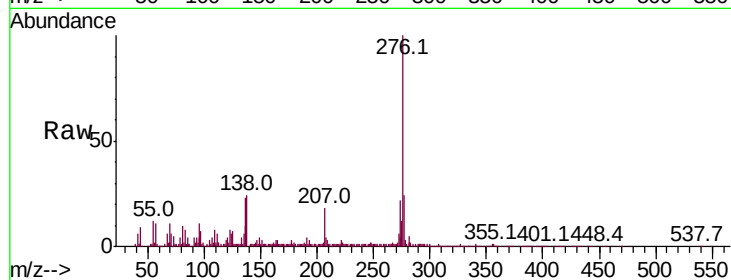
Tot Ion:276 Resp: 673268

Ion Ratio Lower Upper

276 100

138 24.1 18.2 27.2

277 24.1 18.6 28.0



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

