

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091218\
 Data File : BN002667.D
 Acq On : 12 Sep 2018 22:23
 Operator : JU/SJ
 Sample : J4792-17
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 13 06:01:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 13 05:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	200180	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	896360	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.29	164	513477	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.05	188	1046191	20.00	ng/ul	0.00
77) Chrysene-d12	21.25	240	677121	20.00	ng/ul	0.00
85) Perylene-d12	23.46	264	639545	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	14162	3.34	ng/uL	0.00
5) Phenol-d5	6.85	99	361631	19.70	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	231924	20.12	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	306016	21.89	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	282059	19.22	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	154196	21.61	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	178541	23.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	310980	22.55	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	316927	21.26	ng/ul	0.00
43) Dimethylphthalate-d6	13.71	166	967502	22.73	ng/ul	0.00
46) Acenaphthylene-d8	13.99	160	1209605	23.16	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	108681	13.51	ng/ul	0.00
57) Fluorene-d10	15.29	176	830137	22.49	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	100093	15.03	ng/ul	0.00
70) Anthracene-d10	17.15	188	1167739	23.36	ng/ul	0.00
78) Pyrene-d10	19.45	212	1040917	32.13	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.33	264	794135	23.75	ng/ul	0.00

Target Compounds

				Ovalue	
6) Phenol	6.88	94	20041	1.072	ng/ul# 90
28) Naphthalene	10.48	128	72193	1.565	ng/ul 97
44) Dimethylphthalate	13.76	163	556212	13.323	ng/ul 99
49) Acenaphthene	14.36	153	113883	3.247	ng/ul 96
53) Dibenzofuran	14.70	168	91119	1.842	ng/ul 92
58) Fluorene	15.35	166	123266	3.045	ng/ul 98
69) Phenanthrene	17.09	178	2090583	36.248	ng/ul 99
71) Anthracene	17.17	178	486538	8.318	ng/ul 100
74) Carbazole	17.45	167	177048	3.413	ng/ul 99
75) Di-n-butylphthalate	18.02	149	319209	5.062	ng/ul 99
76) Fluoranthene	19.12	202	2845056	43.342	ng/ul 99
79) Pyrene	19.48	202	3116348	76.328	ng/ul 100
82) Benzo(a)anthracene	21.23	228	1167065	28.134	ng/ul 99
83) Bis(2-ethylhexyl)phthalate	21.16	149	1050257	40.475	ng/ul 98
84) Chrysene	21.28	228	1160818	29.566	ng/ul 98
87) Benzo(b)fluoranthene	22.81	252	1148868	29.969	ng/ul 98
88) Benzo(k)fluoranthene	22.81	252	1148868	31.811	ng/ul# 97
90) Benzo(a)pyrene	23.37	252	923472	25.288	ng/ul 97
91) Indeno(1,2,3-cd)pyrene	25.68	276	576466	13.269	ng/ul# 93
92) Dibenz(a,h)anthracene	25.68	278	163379	4.498	ng/ul# 87
93) Benzo(a,h,i)perylene	26.36	276	516747	14.255	ng/ul 96

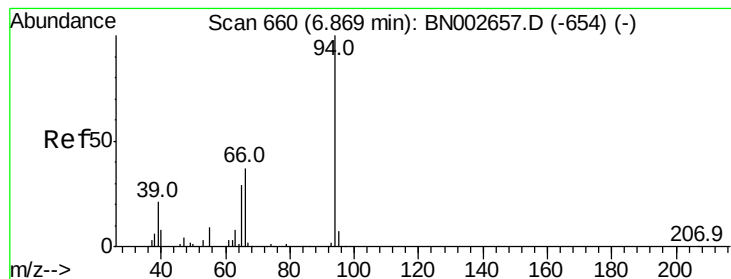
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN091218\
Data File : BN002667.D
Acq On : 12 Sep 2018 22:23
Operator : JU/SJ
Sample : J4792-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Sep 13 06:01:35 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 13 05:59:25 2018
Response via : Initial Calibration

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

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



#6

Phenol

Concen: 1.072 ng/ul

RT: 6.88 min Scan# 661

Delta R.T. 0.01 min

Lab File: BN002667.D

Acq: 12 Sep 2018 22:23

Instrument :

BNA_N

ClientSampleId :

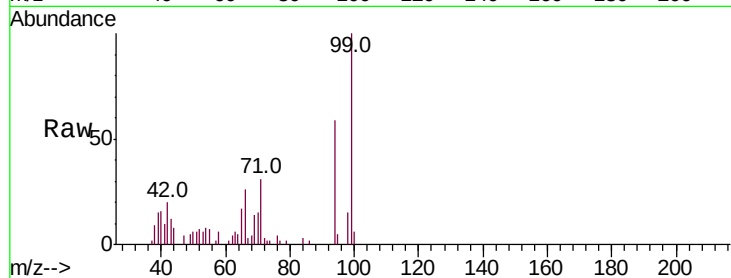
Tot Ion: 94 Resp: 20041

Ion Ratio Lower Upper

94 100

65 29.1 21.0 31.6

66 44.2 29.3 43.9#

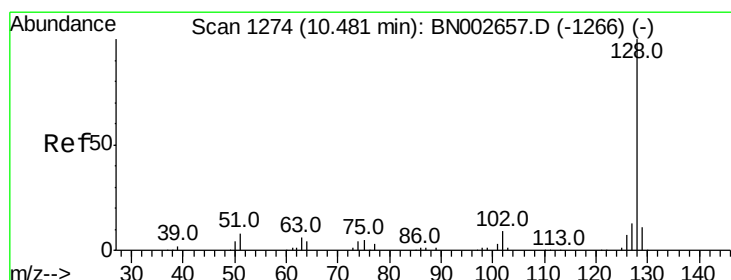
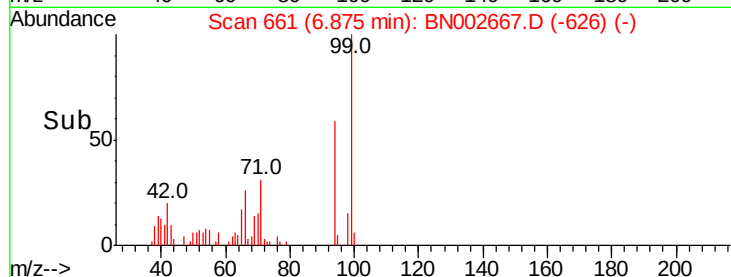
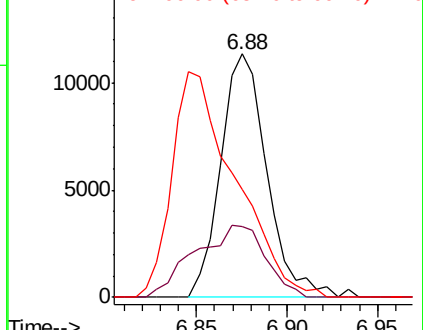


Abundance

Ion 94.00 (93.70 to 94.70): BN0

Ion 65.00 (64.70 to 65.70): BN0

Ion 66.00 (65.70 to 66.70): BN0



#28

Naphthalene

Concen: 1.565 ng/ul

RT: 10.48 min Scan# 1274

Delta R.T. -0.00 min

Lab File: BN002667.D

Acq: 12 Sep 2018 22:23

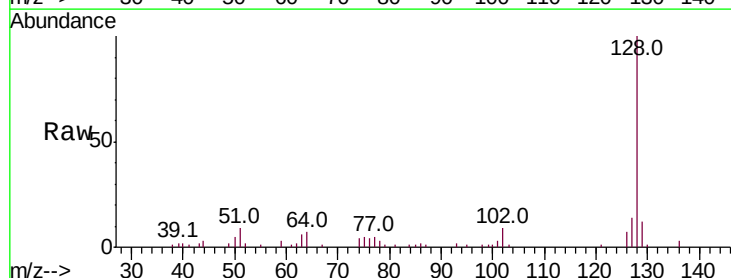
Tgt Ion:128 Resp: 72193

Ion Ratio Lower Upper

128 100

129 12.1 8.8 13.2

127 14.2 10.5 15.7

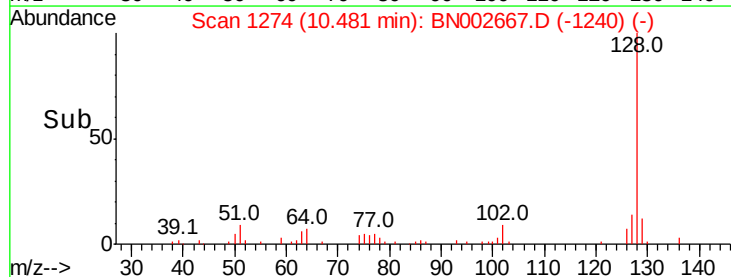
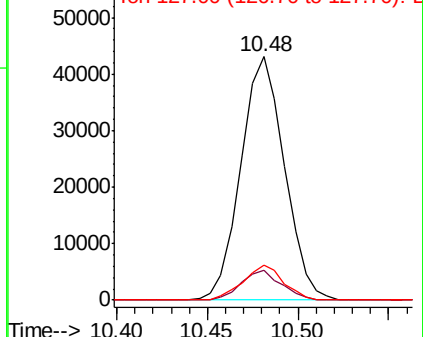


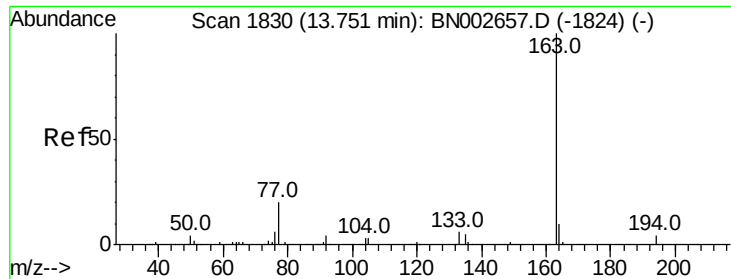
Abundance

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





#44

Dimethylphthalate

Concen: 13.323 ng/ul

RT: 13.76 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BN002667.D

Acq: 12 Sep 2018 22:23

Instrument :

BNA_N

ClientSampled :

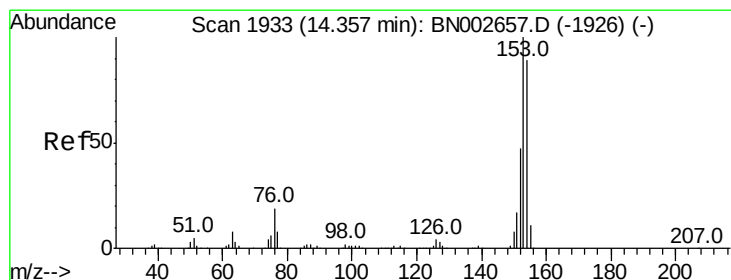
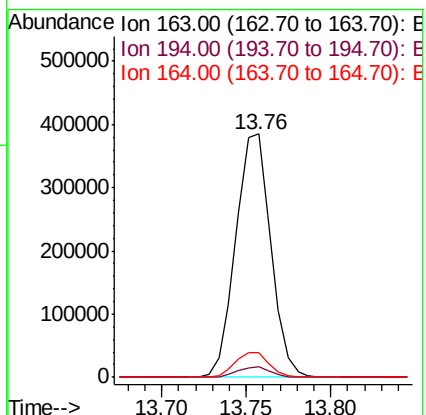
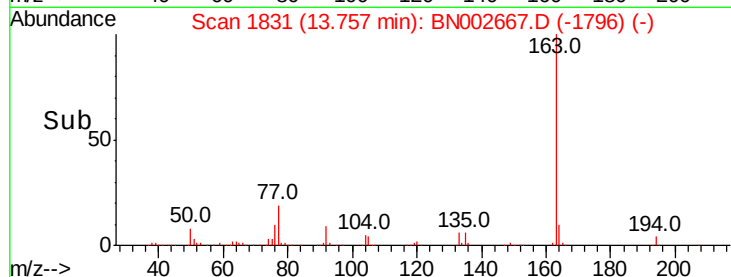
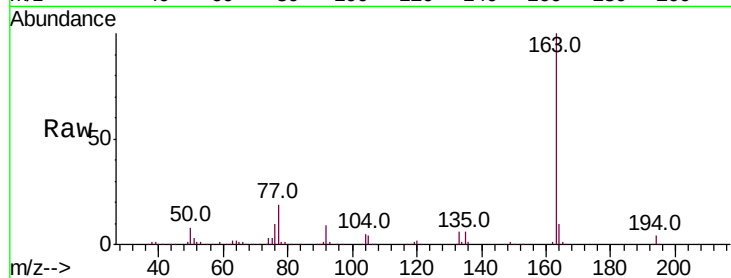
Tot Ion:163 Resp: 556212

Ion Ratio Lower Upper

163 100

194 4.4 3.2 4.8

164 10.1 7.8 11.8



#49

Acenaphthene

Concen: 3.247 ng/ul

RT: 14.36 min Scan# 1933

Delta R.T. -0.00 min

Lab File: BN002667.D

Acq: 12 Sep 2018 22:23

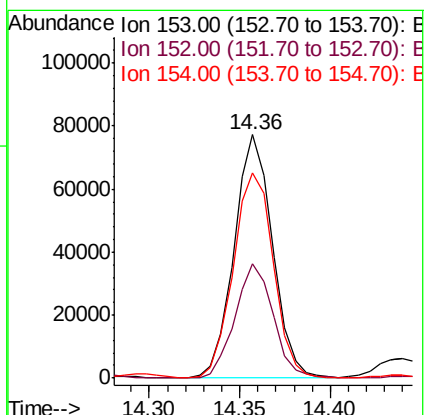
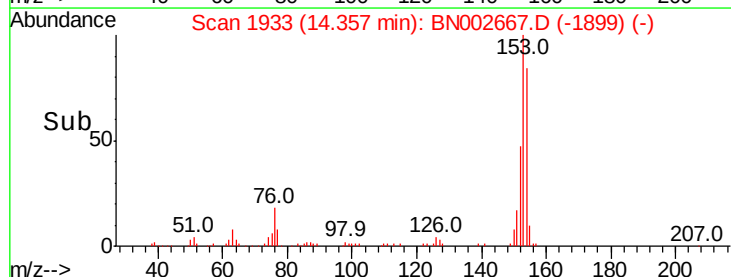
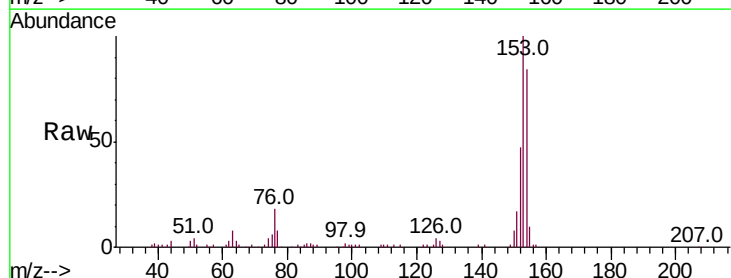
Tgt Ion:153 Resp: 113883

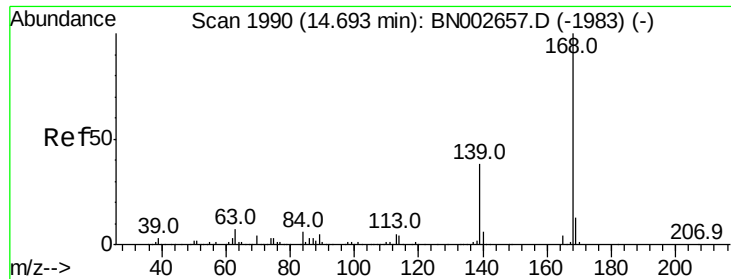
Ion Ratio Lower Upper

153 100

152 46.8 38.3 57.5

154 84.4 71.8 107.8





#53

Dibenzenofuran

Concen: 1.842 ng/ul

RT: 14.70 min Scan# 1991

Delta R.T. 0.01 min

Lab File: BN002667.D

Acq: 12 Sep 2018 22:23

Instrument :

BNA_N

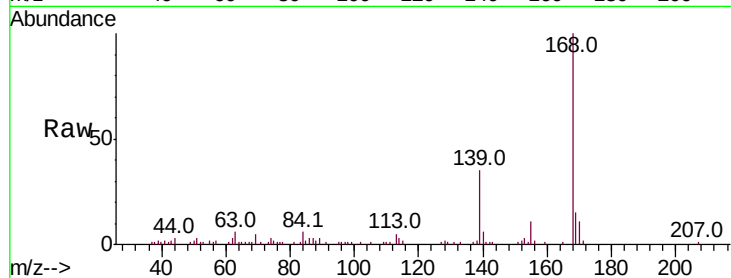
ClientSampleId :

Tot Ion:168 Resp: 91119

Ion Ratio Lower Upper

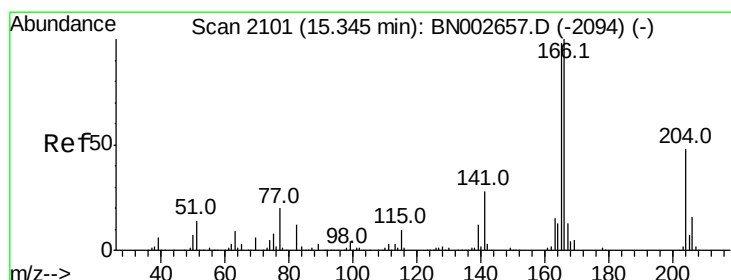
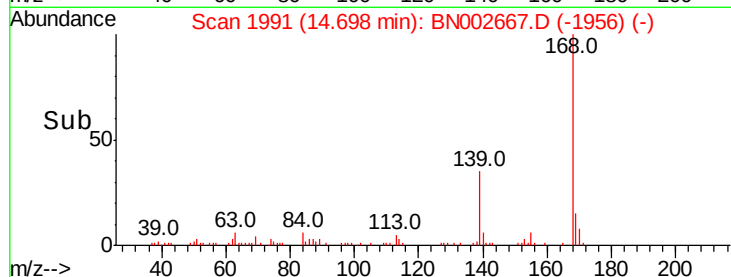
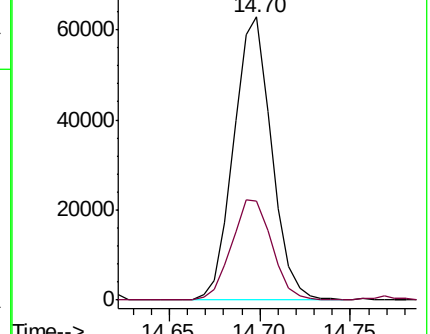
168 100

139 35.2 32.2 48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 3.045 ng/ul

RT: 15.35 min Scan# 2101

Delta R.T. -0.00 min

Lab File: BN002667.D

Acq: 12 Sep 2018 22:23

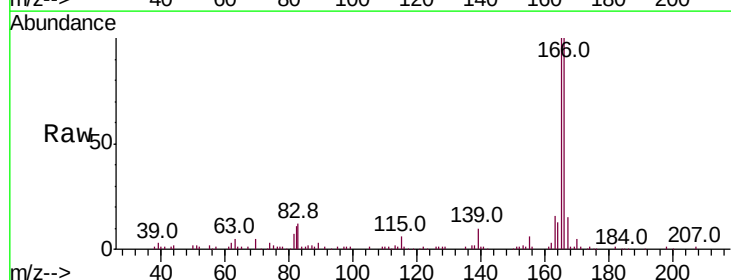
Tgt Ion:166 Resp: 123266

Ion Ratio Lower Upper

166 100

165 99.5 78.5 117.7

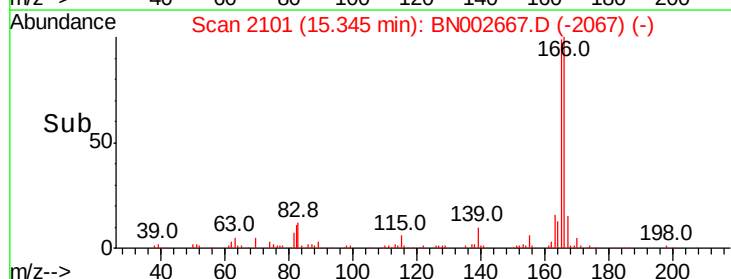
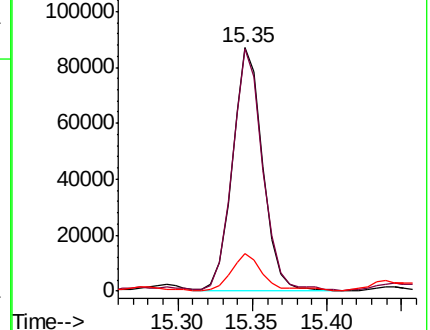
167 15.3 10.7 16.1

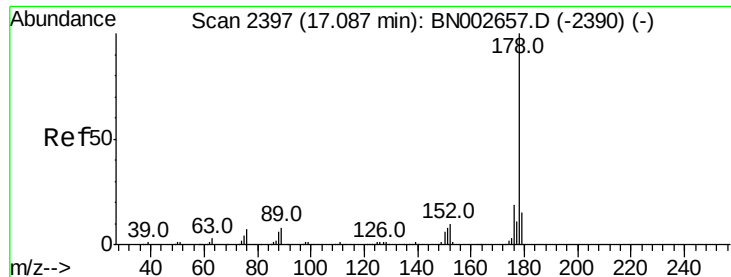


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 36.248 ng/ul

RT: 17.09 min Scan# 2397

Delta R.T. -0.00 min

Lab File: BN002667.D

Acq: 12 Sep 2018 22:23

Instrument :

BNA_N

ClientSampleId :

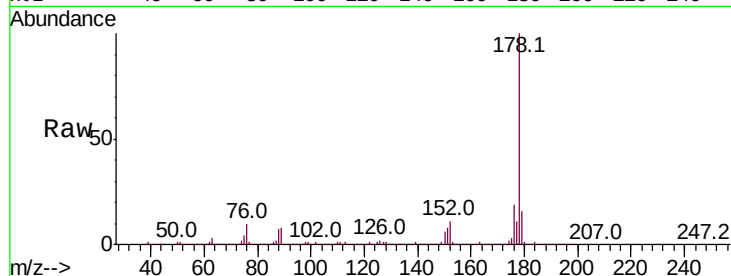
Tot Ion:178 Resp: 2090583

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.4

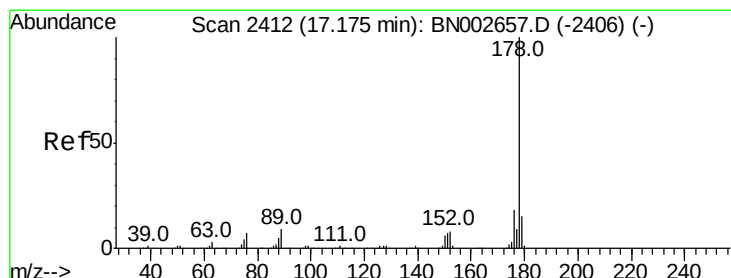
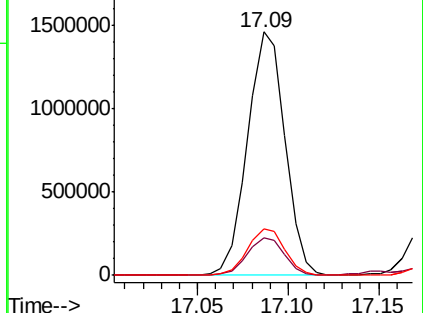
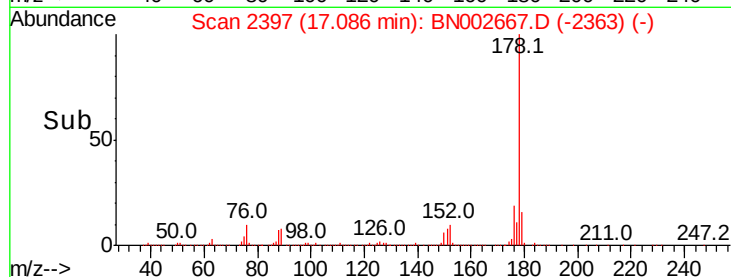
176 19.0 15.6 23.4



Abundance Ion 178.00 (177.70 to 178.70): E

2000000 Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 8.318 ng/ul

RT: 17.17 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BN002667.D

Acq: 12 Sep 2018 22:23

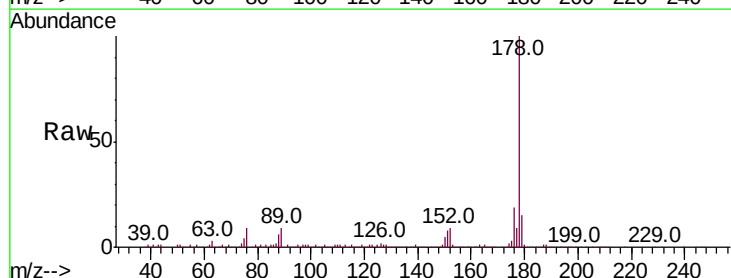
Tgt Ion:178 Resp: 486538

Ion Ratio Lower Upper

178 100

179 15.3 12.1 18.1

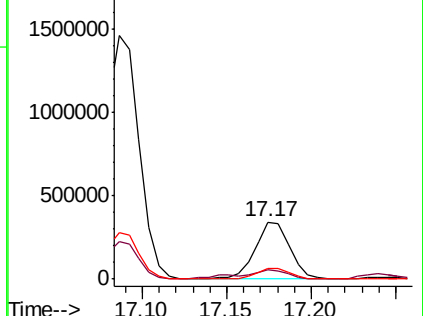
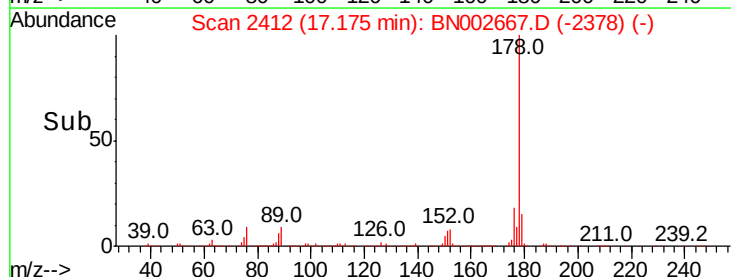
176 18.5 14.8 22.2

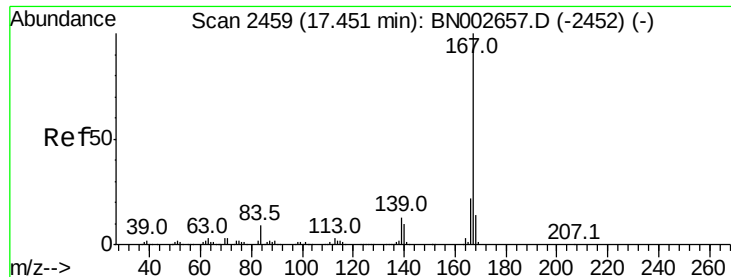


Abundance Ion 178.00 (177.70 to 178.70): E

2000000 Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 3.413 ng/ul

RT: 17.45 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BN002667.D

Acq: 12 Sep 2018 22:23

Instrument :

BNA_N

ClientSampleId :

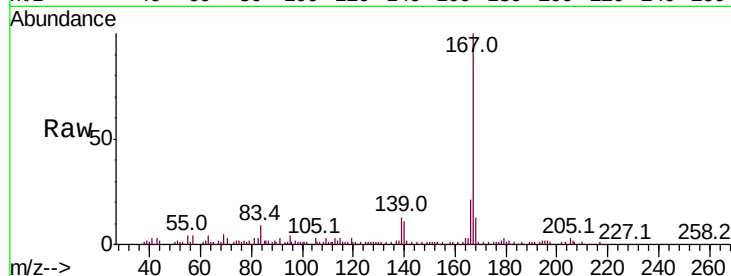
Tot Ion:167 Resp: 177048

Ion Ratio Lower Upper

167 100

166 21.1 17.0 25.6

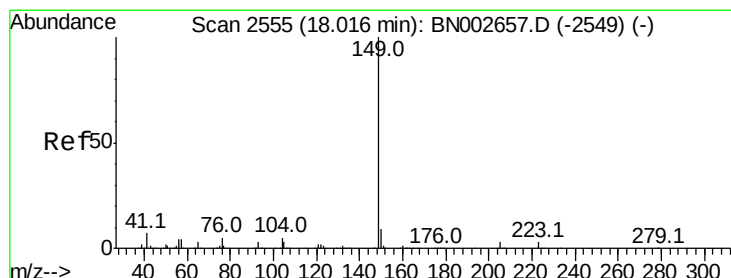
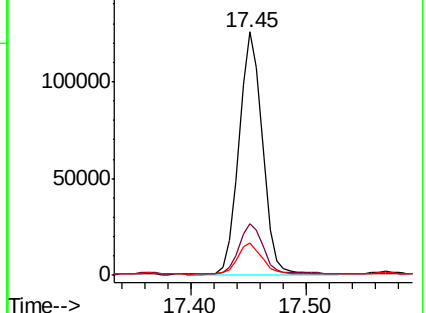
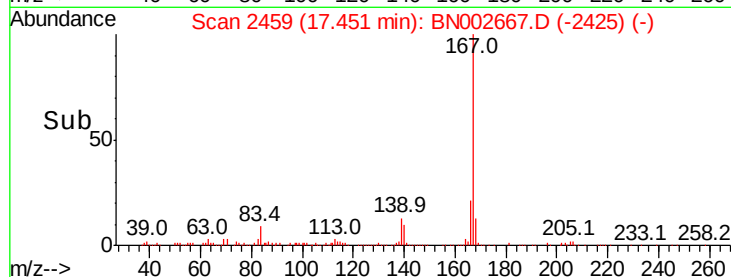
139 13.1 11.0 16.4



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



#75

Di-n-butylphthalate

Concen: 5.062 ng/ul

RT: 18.02 min Scan# 2555

Delta R.T. -0.00 min

Lab File: BN002667.D

Acq: 12 Sep 2018 22:23

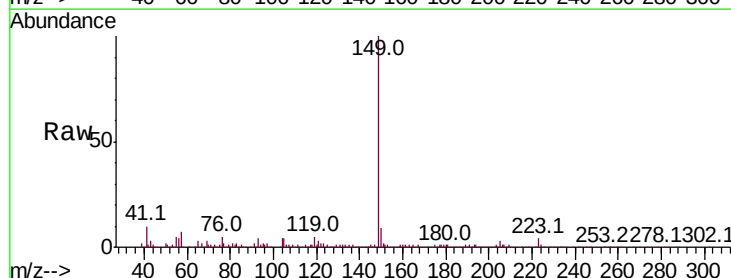
Tgt Ion:149 Resp: 319209

Ion Ratio Lower Upper

149 100

150 9.5 7.4 11.0

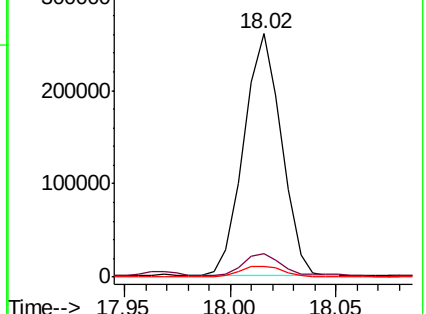
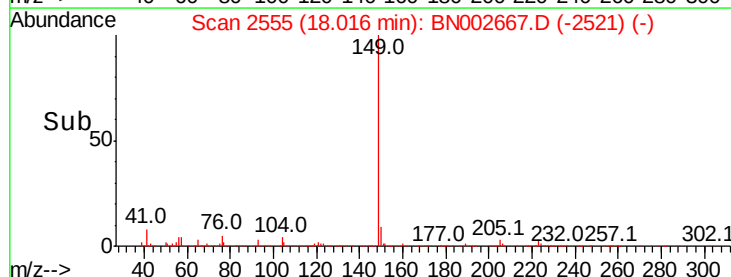
104 4.5 4.0 6.0

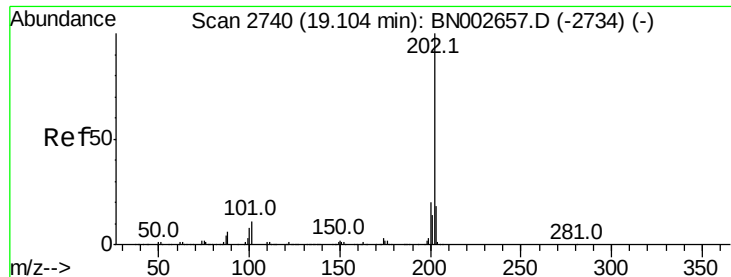


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#76

Fluoranthene

Concen: 43.342 ng/ul

RT: 19.12 min Scan# 2742

Delta R.T. 0.01 min

Lab File: BN002667.D

Acq: 12 Sep 2018 22:23

Instrument :

BNA_N

ClientSampleId :

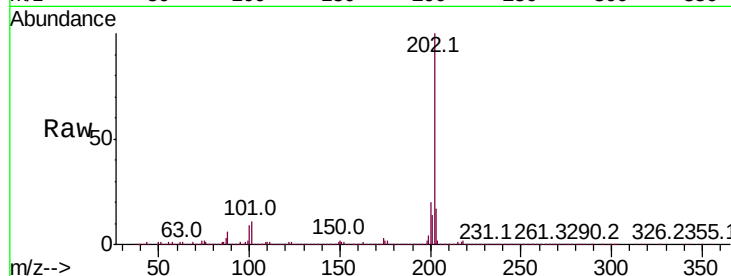
Tot Ion:202 Resp: 2845056

Ion Ratio Lower Upper

202 100

101 10.8 8.8 13.2

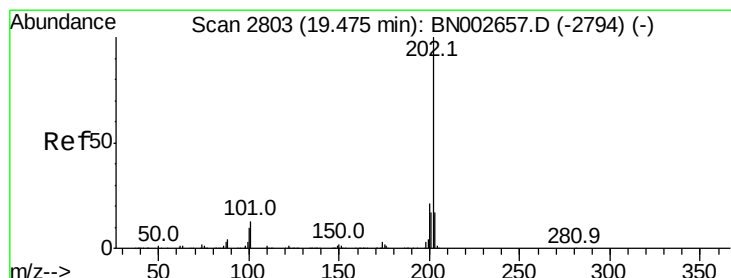
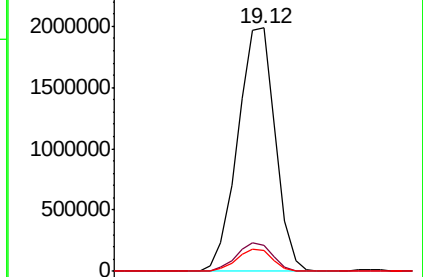
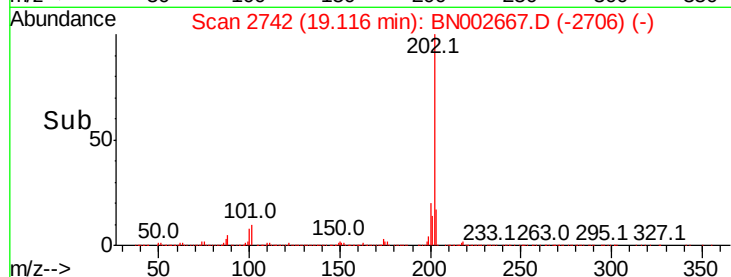
100 8.5 6.6 9.8



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: 76.328 ng/ul

RT: 19.48 min Scan# 2804

Delta R.T. 0.01 min

Lab File: BN002667.D

Acq: 12 Sep 2018 22:23

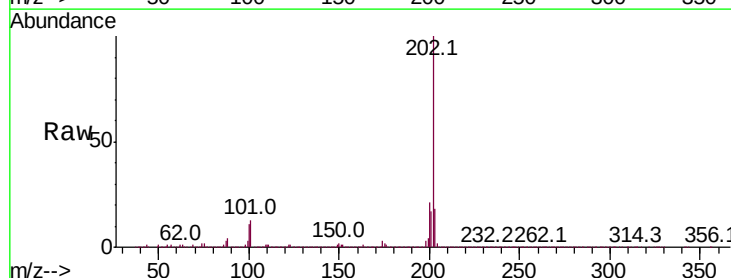
Tgt Ion:202 Resp: 3116348

Ion Ratio Lower Upper

202 100

101 12.5 10.2 15.2

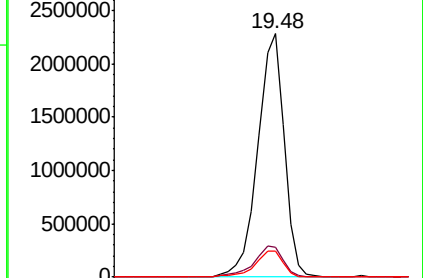
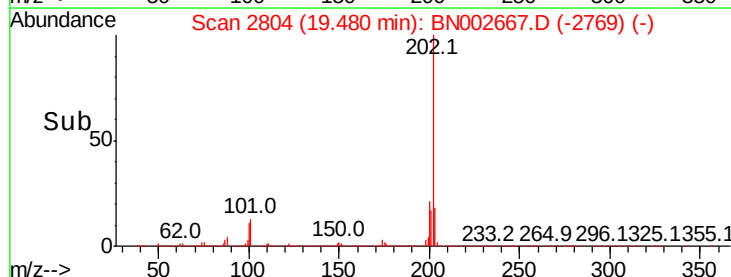
100 10.5 8.5 12.7

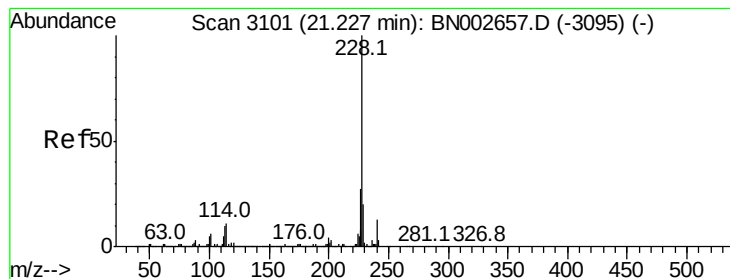


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 28.134 ng/ul

RT: 21.23 min Scan# 3102

Delta R.T. 0.01 min

Lab File: BN002667.D

Acq: 12 Sep 2018 22:23

Instrument :

BNA_N

ClientSampleId :

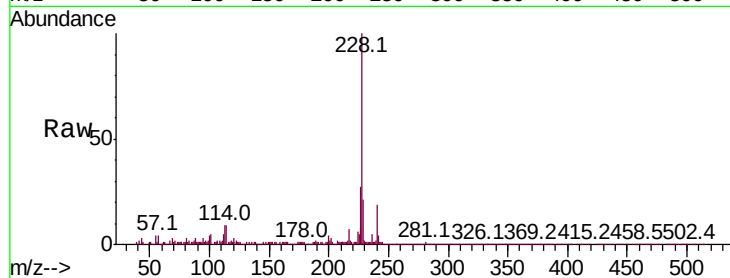
Tot Ion:228 Resp: 1167065

Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.7	23.5
226	27.4	21.8	32.6

228 100

229 21.0 15.7 23.5

226 27.4 21.8 32.6

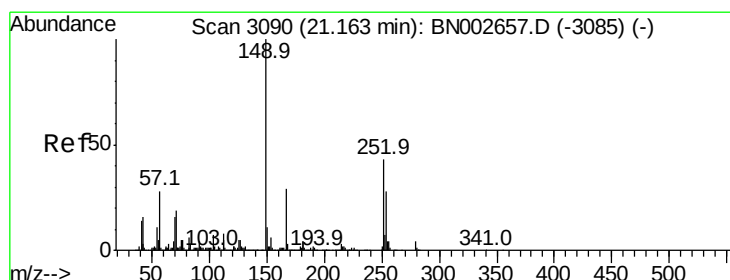
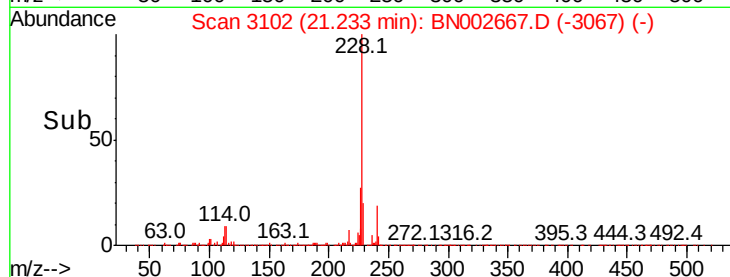
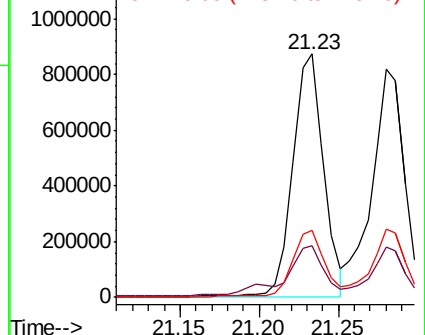


Abundance

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: 40.475 ng/ul

RT: 21.16 min Scan# 3090

Delta R.T. -0.00 min

Lab File: BN002667.D

Acq: 12 Sep 2018 22:23

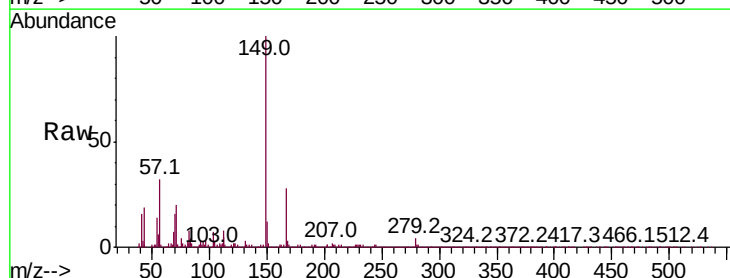
Tgt Ion:149 Resp: 1050257

Ion	Ratio	Lower	Upper
149	100		
167	27.9	21.6	32.4
279	4.3	3.0	4.4

149 100

167 27.9 21.6 32.4

279 4.3 3.0 4.4

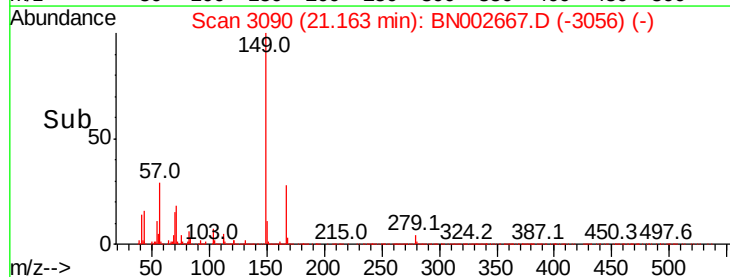
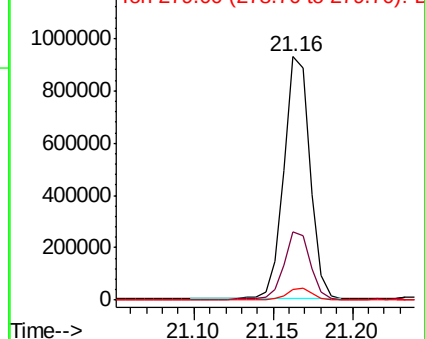


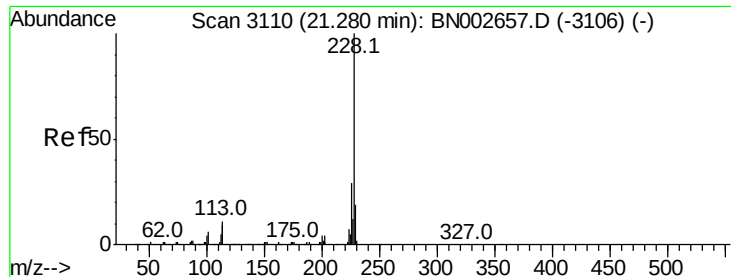
Abundance

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: 29.566 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. -0.00 min

Lab File: BN002667.D

Acq: 12 Sep 2018 22:23

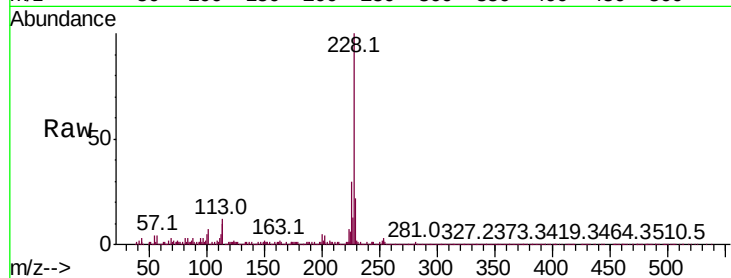
Instrument :

BNA_N

ClientSampled :

Tot Ion:228 Resp: 1160818

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	21.9	15.6	23.4

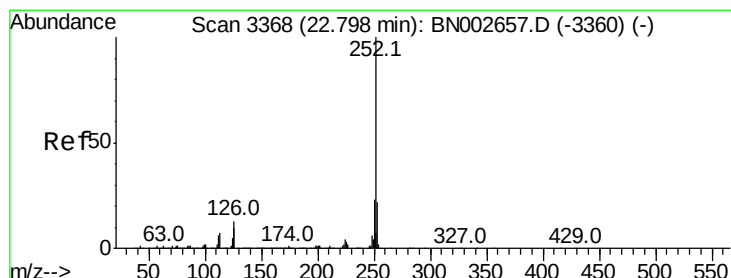
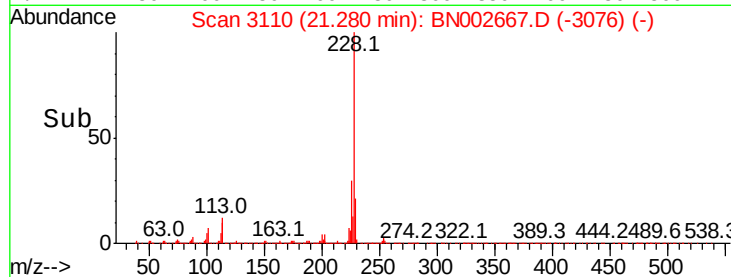
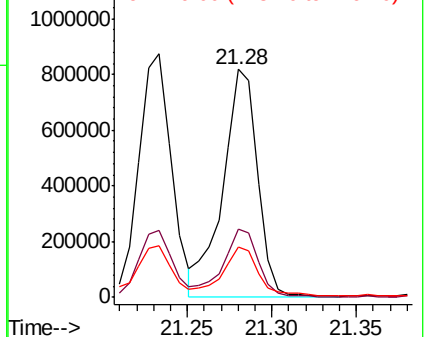


Abundance

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: 29.969 ng/ul

RT: 22.81 min Scan# 3370

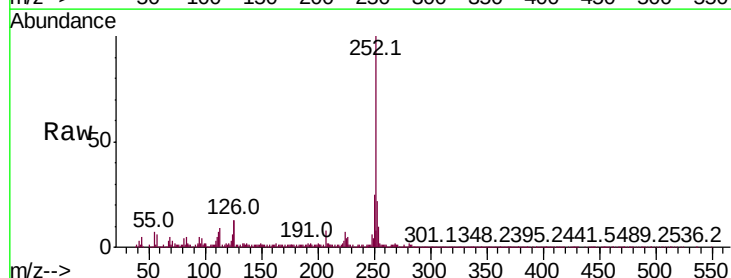
Delta R.T. 0.01 min

Lab File: BN002667.D

Acq: 12 Sep 2018 22:23

Tgt Ion:252 Resp: 1148868

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	12.5	8.5	12.7

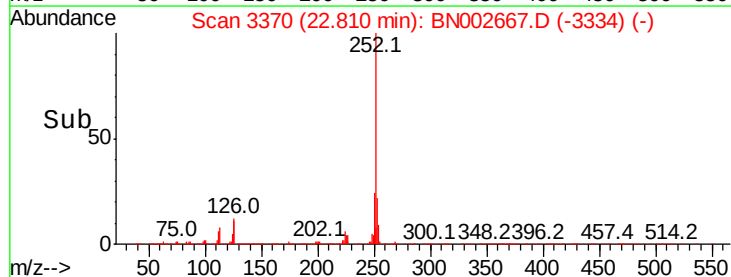
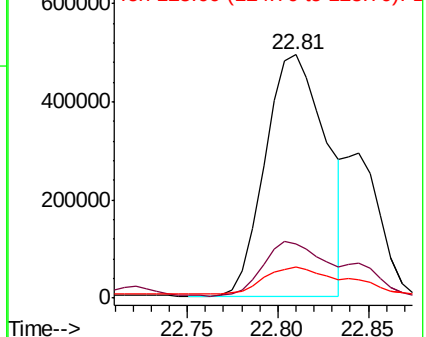


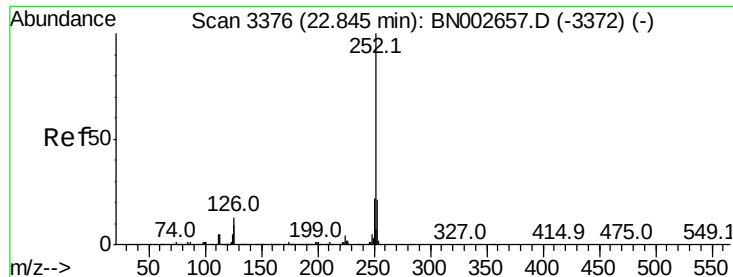
Abundance

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: 31.811 ng/ul

RT: 22.81 min Scan# 3370

Delta R.T. -0.04 min

Lab File: BN002667.D

Acq: 12 Sep 2018 22:23

Instrument :

BNA_N

ClientSampleId :

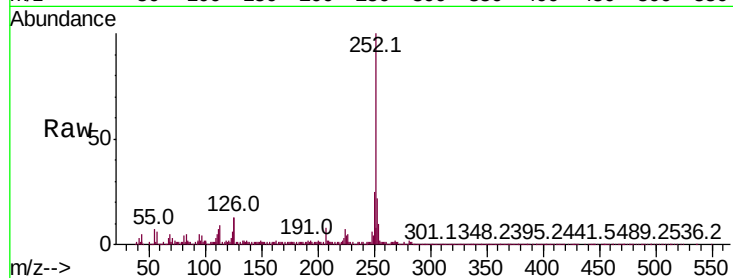
Tot Ion:252 Resp: 1148868

Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

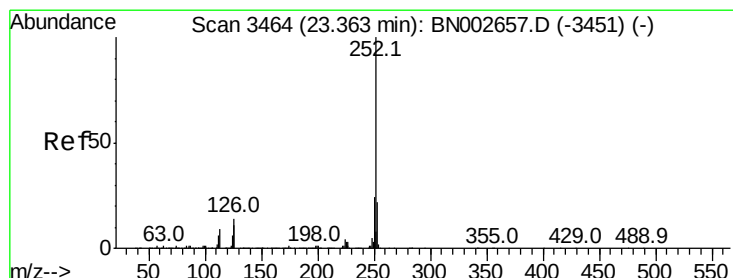
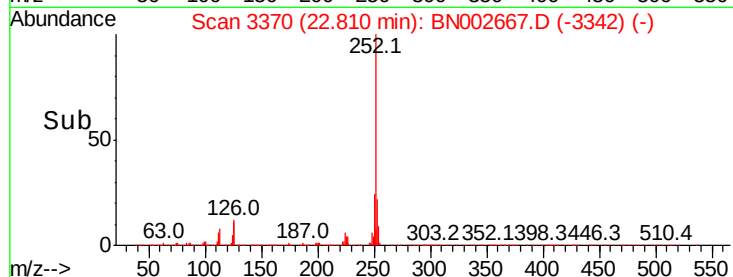
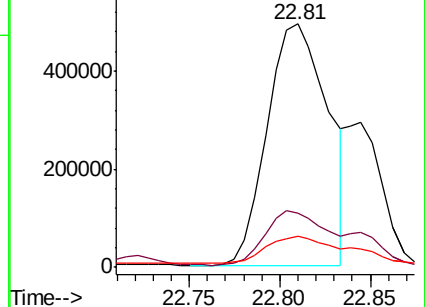
125 12.5 8.2 12.2#



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



#90

Benzo(a)pyrene

Concen: 25.288 ng/ul

RT: 23.37 min Scan# 3465

Delta R.T. 0.01 min

Lab File: BN002667.D

Acq: 12 Sep 2018 22:23

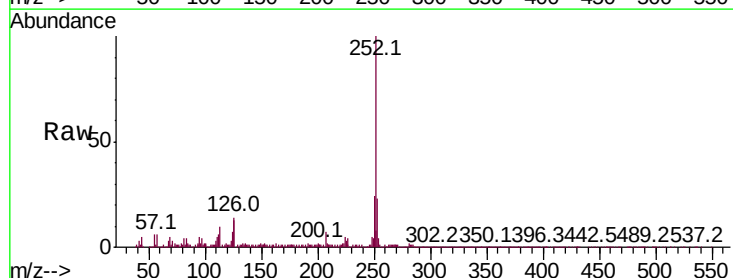
Tgt Ion:252 Resp: 923472

Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

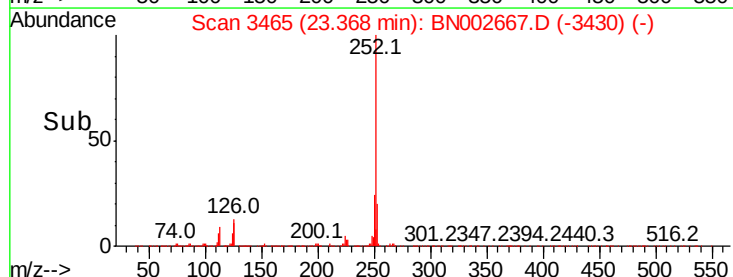
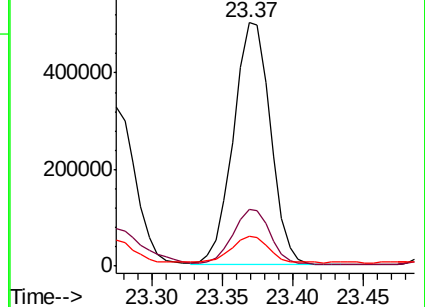
125 12.5 9.0 13.6

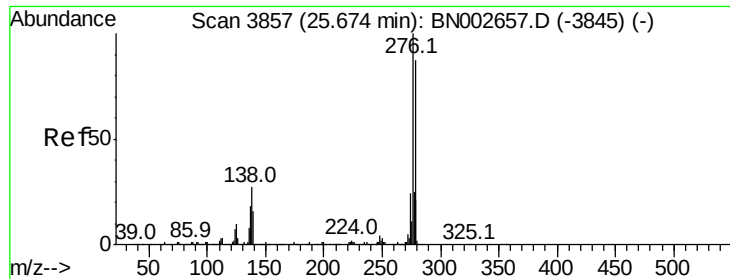


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



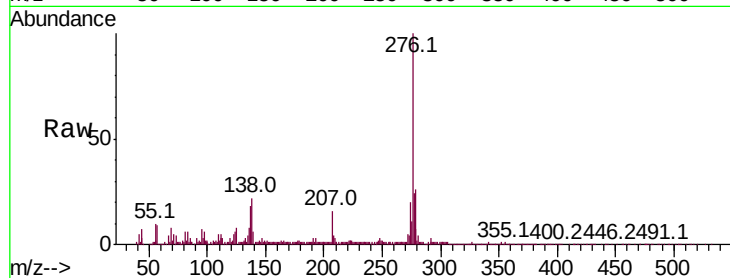


#91

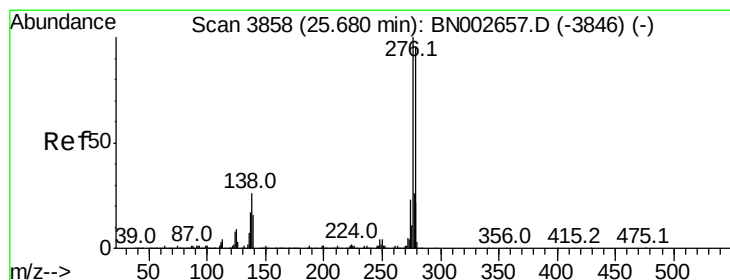
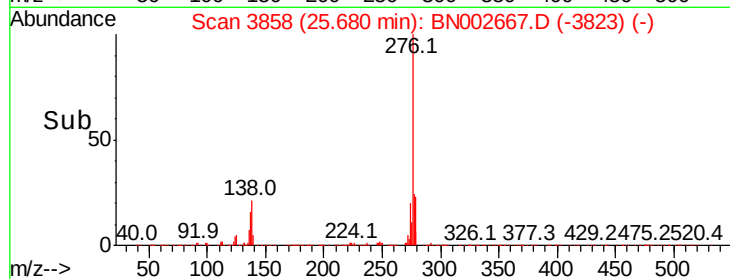
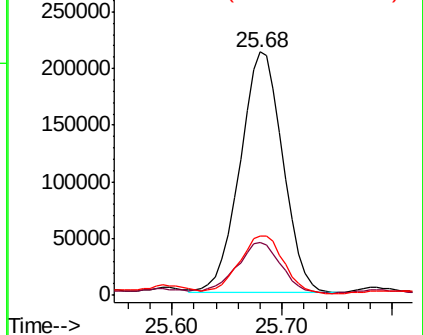
Indeno(1,2,3-cd)pyrene
Concen: 13.269 ng/ul
RT: 25.68 min Scan# 3858
Delta R.T. 0.01 min
Lab File: BN002667.D
Acq: 12 Sep 2018 22:23

Instrument :
BNA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.9	22.3	33.5#
277	24.5	20.2	30.2



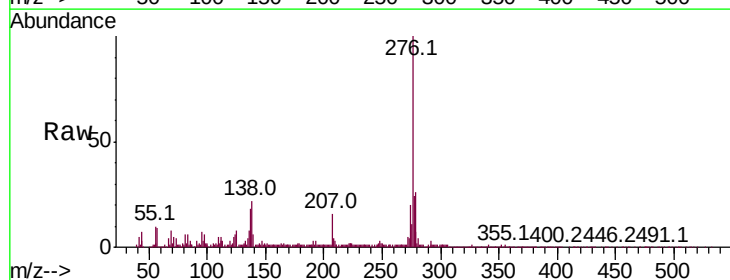
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



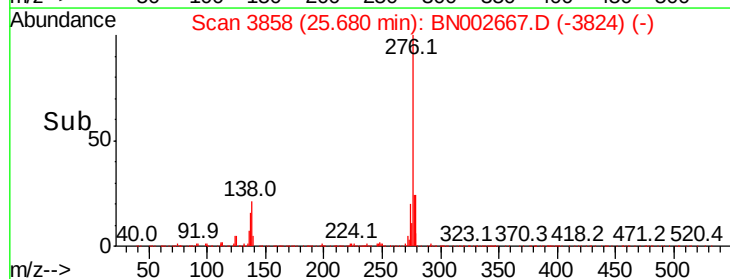
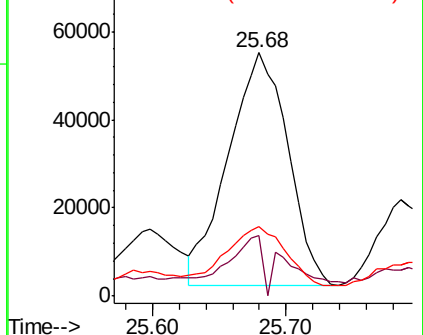
#92

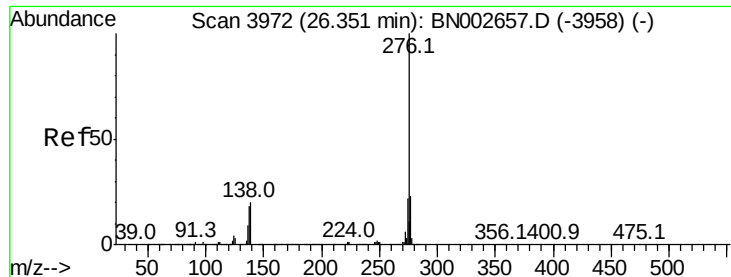
Dibenzo(a,h)anthracene
Concen: 4.498 ng/ul
RT: 25.68 min Scan# 3858
Delta R.T. -0.00 min
Lab File: BN002667.D
Acq: 12 Sep 2018 22:23

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.7	13.9	20.9#
279	28.4	19.0	28.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#93

Benzo(a,h,i)perylene

Concen: 14.255 ng/ul

RT: 26.36 min Scan# 3974

Delta R.T. 0.01 min

Lab File: BN002667.D

Acq: 12 Sep 2018 22:23

Instrument :

BNA_N

ClientSampleId :

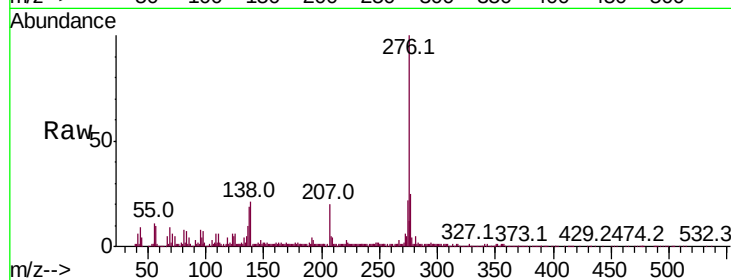
Tot Ion:276 Resp: 516747

Ion Ratio Lower Upper

276 100

138 20.6 18.9 28.3

277 25.1 19.2 28.8



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

