

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062018\
 Data File : BN001893.D
 Acq On : 20 Jun 2018 19:09
 Operator : JU/SJ
 Sample : J3568-11MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jun 21 01:11:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 19 14:50:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	565903	20.00	ng/ul	0.00
18) Naphthalene-d8	10.49	136	2491556	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.35	164	1351367	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	2544059	20.00	ng/ul	0.00
75) Chrysene-d12	21.29	240	1925433	20.00	ng/ul	0.00
83) Perylene-d12	23.52	264	2001825	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.28	96	63731	4.89	ng/uL	0.00
5) Phenol-d5	6.89	99	1417624	27.68	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.06	67	915728	28.98	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	1158015	28.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.42	113	1107565	27.00	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	576812	31.17	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	633672	33.09	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.11	165	1151147	28.15	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	1412006	33.36	ng/ul	0.00
43) Dimethylphthalate-d6	13.76	166	3345566	29.32	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	4263939	30.27	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	342247	16.28	ng/ul	0.00
57) Fluorene-d10	15.34	176	2821636	28.21	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	280197	20.22	ng/ul	0.00
70) Anthracene-d10	17.19	188	3753173	30.53	ng/ul	0.00
76) Pyrene-d10	19.49	212	3580276	36.89	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.38	264	3455277	31.74	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.92	94	1460277	28.275	ng/ul	99
10) 2-Chlorophenol	7.28	128	1086452	26.435	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.52	70	909821	28.001	ng/ul	93
33) 4-Chloro-3-methylphenol	11.77	107	1137722	25.987	ng/ul	96
44) Dimethylphthalate	13.80	163	1631919	14.550	ng/ul	99
49) Acenaphthene	14.41	153	2676224	28.370	ng/ul	98
52) 4-Nitrophenol	14.56	109	271108	17.342	ng/ul#	77
54) 2,4-Dinitrotoluene	14.71	165	828434	26.310	ng/ul	95
67) Atrazine	16.74	200	69585	2.508	ng/ul#	35
68) Pentachlorophenol	16.74	266	448422	26.054	ng/ul	97
69) Phenanthrene	17.13	178	288869	2.016	ng/ul	100
73) Di-n-butylphthalate	18.07	149	179189	1.168	ng/ul	100
74) Fluoranthene	19.15	202	470643	3.124	ng/ul#	91
77) Pyrene	19.52	202	4632823	38.449	ng/ul#	86
80) Benzo(a)anthracene	21.27	228	197404	1.622	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.23	149	257101	3.353	ng/ul	99
82) Chrysene	21.32	228	208975	1.846	ng/ul	97
85) Benzo(b)fluoranthene	22.85	252	257058	2.033	ng/ul#	89
86) Benzo(k)fluoranthene	22.85	252	257058	2.097	ng/ul#	89
88) Benzo(a)pyrene	23.42	252	181649	1.537	ng/ul#	89
89) Indeno(1,2,3-cd)pyrene	25.75	276	127798	1.017	ng/ul#	84
91) Benzo(a,h,i)perylene	26.43	276	123655	1.192	ng/ul#	91

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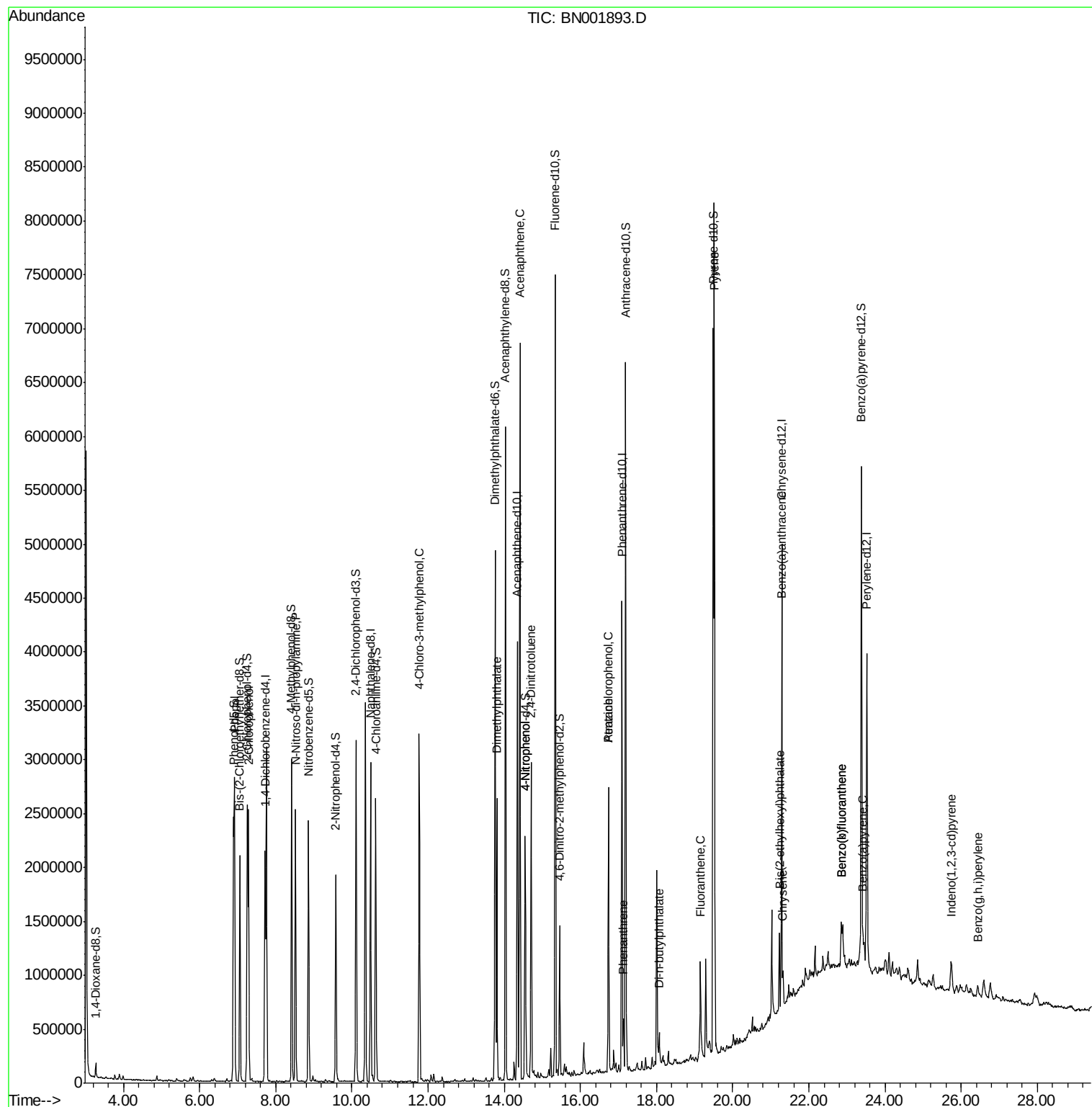
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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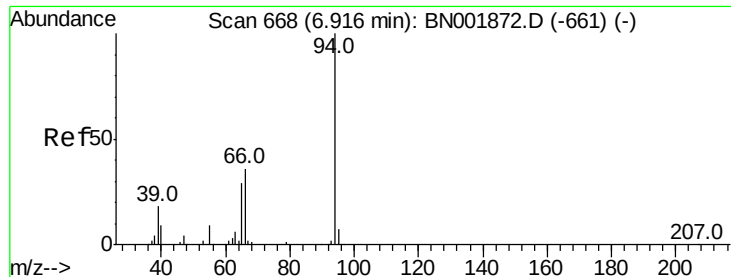
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 19 14:50:02 2018
Response via : Initial Calibration





#6

Phenol

Concen: 28.275 ng/ul

RT: 6.92 min Scan# 668

Delta R.T. -0.00 min

Lab File: BN001893.D

Acq: 20 Jun 2018 19:09

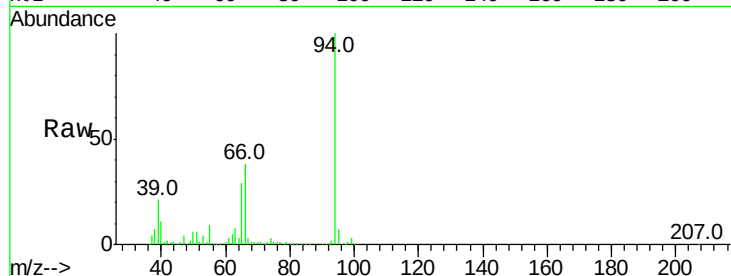
Instrument :

BNA_N

ClientSampleId :

Tot Ion: 94 Resp: 1460277

Ion	Ratio	Lower	Upper
94	100		
65	29.2	23.0	34.6
66	37.8	30.4	45.6

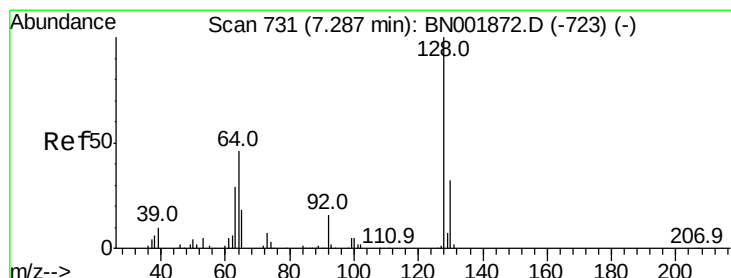
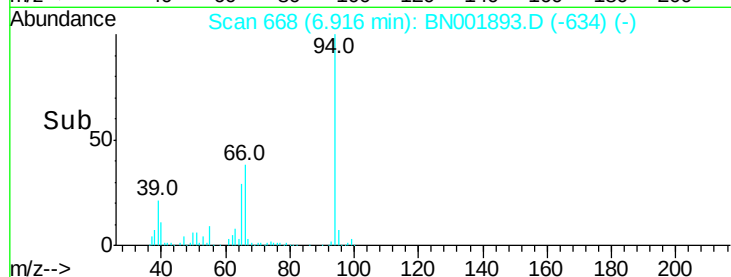
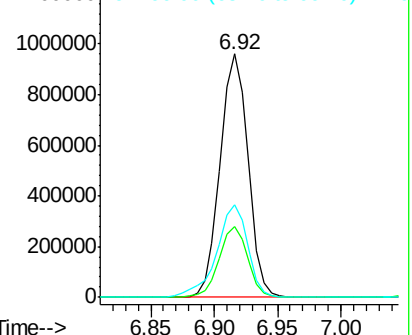


Abundance

Ion 94.00 (93.70 to 94.70): BN001872.D (-661) (-)

Ion 65.00 (64.70 to 65.70): BN001872.D (-661) (-)

Ion 66.00 (65.70 to 66.70): BN001872.D (-661) (-)



#10

2-Chlorophenol

Concen: 26.435 ng/ul

RT: 7.28 min Scan# 730

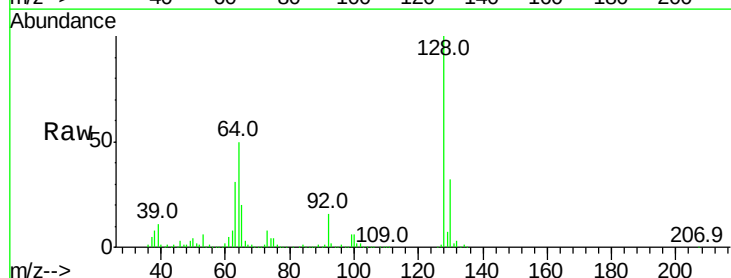
Delta R.T. -0.01 min

Lab File: BN001893.D

Acq: 20 Jun 2018 19:09

Tgt Ion:128 Resp: 1086452

Ion	Ratio	Lower	Upper
128	100		
64	49.8	39.8	59.6
130	31.7	25.8	38.8

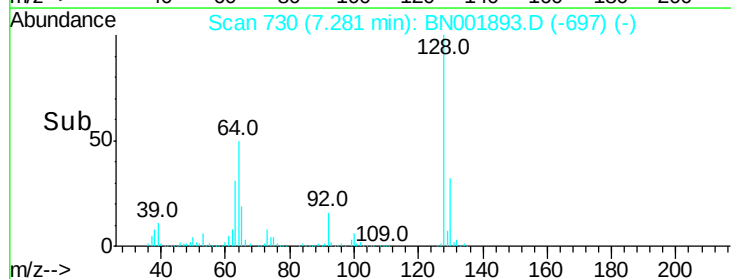
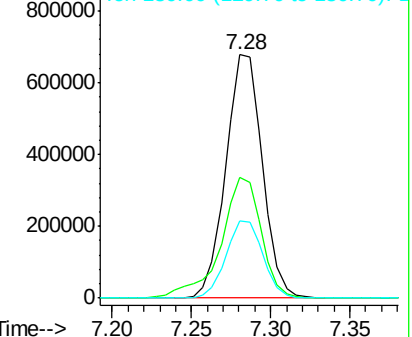


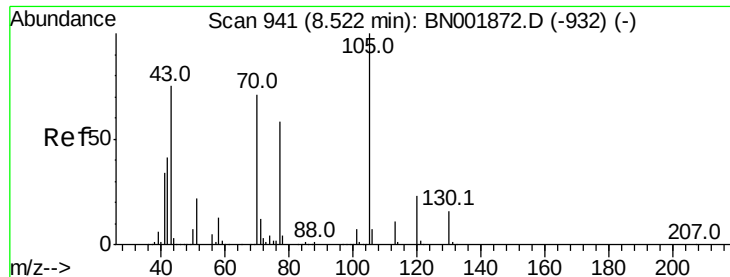
Abundance

Ion 128.00 (127.70 to 128.70): BN001872.D (-723) (-)

Ion 64.00 (63.70 to 64.70): BN001872.D (-723) (-)

Ion 130.00 (129.70 to 130.70): BN001872.D (-723) (-)





#15

N-Nitroso-di-n-propylamine

Concen: 28.001 ng/ul

RT: 8.52 min Scan# 940

Delta R.T. -0.01 min

Lab File: BN001893.D

Acq: 20 Jun 2018 19:09

Instrument :

BNA_N

ClientSampleId :

Tot Ion: 70 Resp: 909821

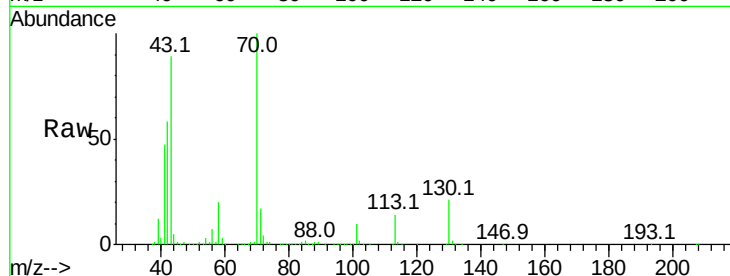
Ion Ratio Lower Upper

70 100

42 57.8 40.2 60.4

101 9.9 7.7 11.5

130 21.5 17.8 26.6

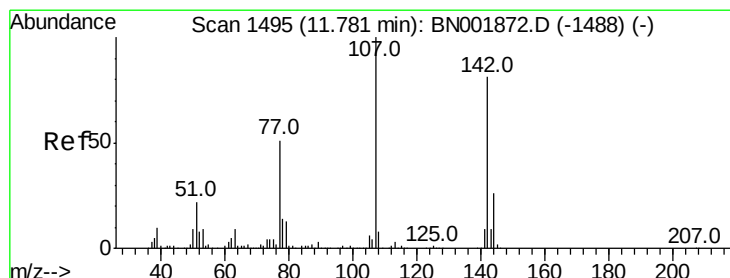
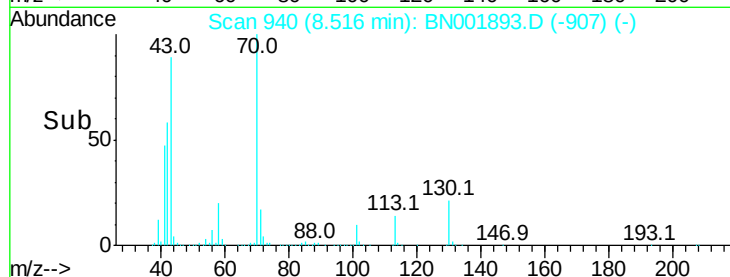
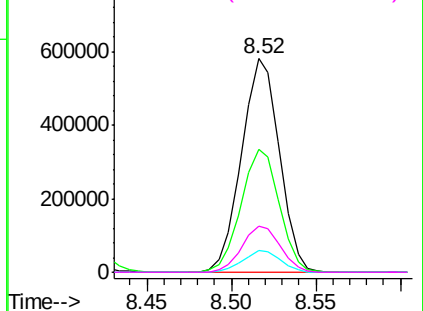


Abundance Ion 70.00 (69.70 to 70.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#33

4-Chloro-3-methylphenol

Concen: 25.987 ng/ul

RT: 11.77 min Scan# 1493

Delta R.T. -0.01 min

Lab File: BN001893.D

Acq: 20 Jun 2018 19:09

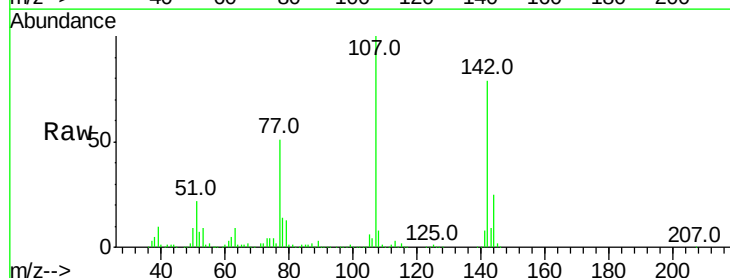
Tgt Ion: 107 Resp: 1137722

Ion Ratio Lower Upper

107 100

144 25.4 21.1 31.7

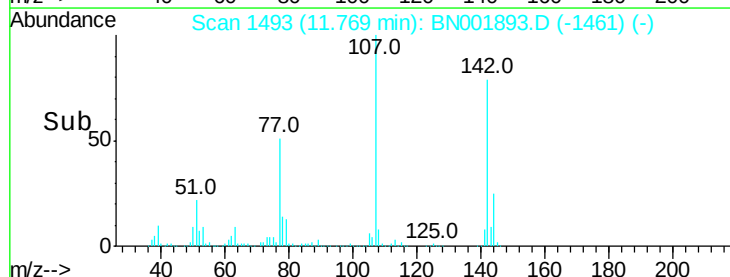
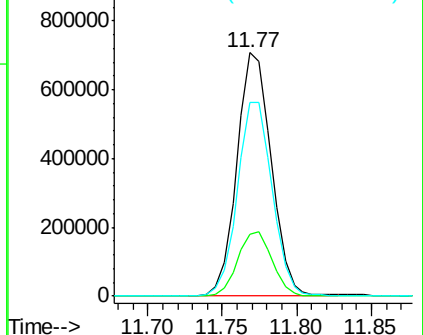
142 79.3 60.1 90.1

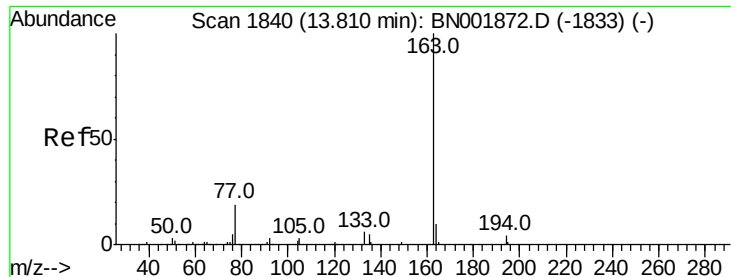


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#44

Dimethylphthalate

Concen: 14.550 ng/ul

RT: 13.80 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BN001893.D

Acq: 20 Jun 2018 19:09

Instrument :

BNA_N

ClientSampleId :

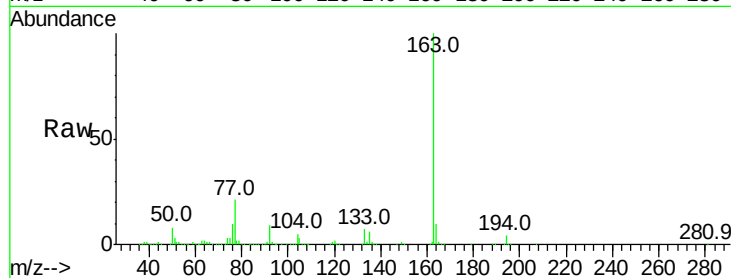
Tot Ion:163 Resp: 1631919

Ion Ratio Lower Upper

163 100

194 4.0 4.0 6.0

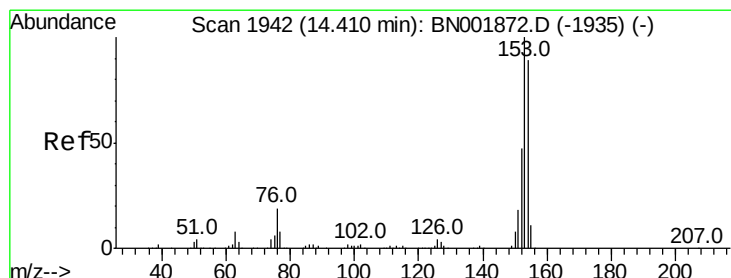
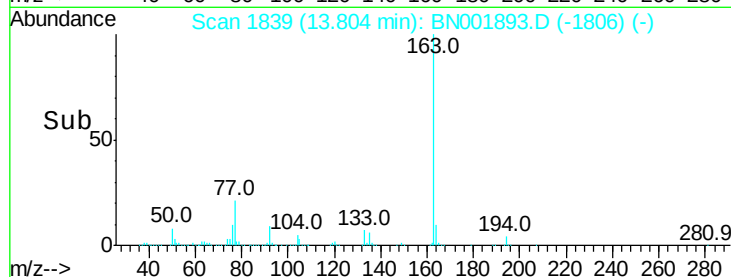
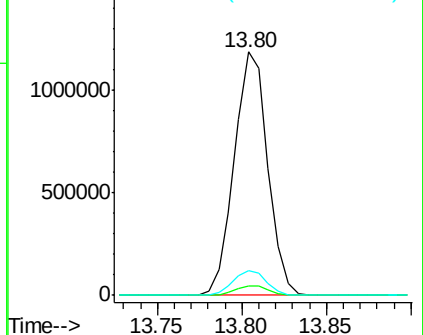
164 10.3 8.4 12.6



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



#49

Acenaphthene

Concen: 28.370 ng/ul

RT: 14.41 min Scan# 1942

Delta R.T. -0.00 min

Lab File: BN001893.D

Acq: 20 Jun 2018 19:09

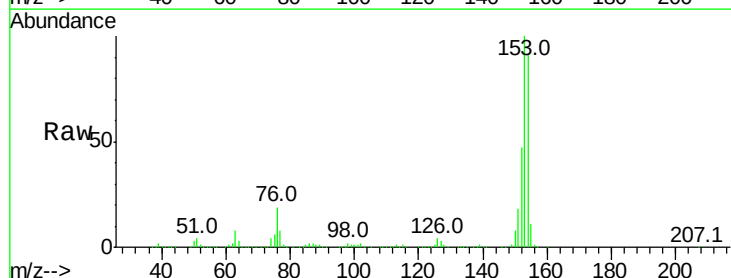
Tgt Ion:153 Resp: 2676224

Ion Ratio Lower Upper

153 100

152 47.3 37.9 56.9

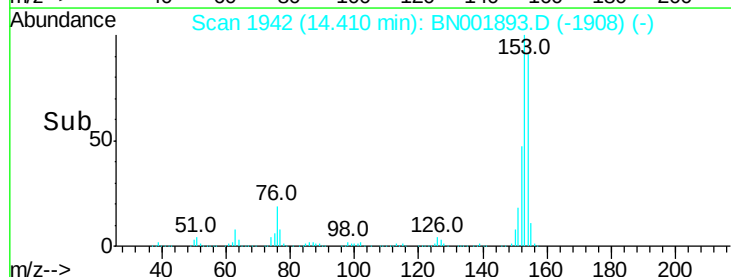
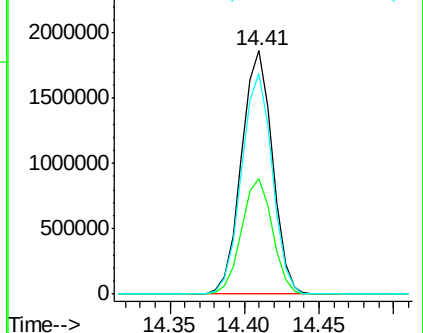
154 90.6 69.8 104.6

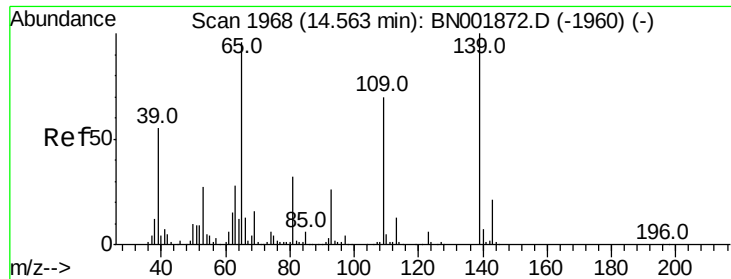


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

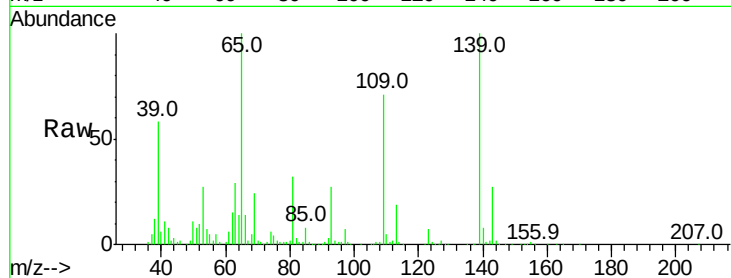




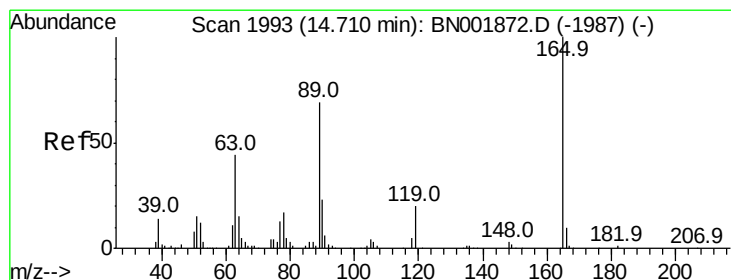
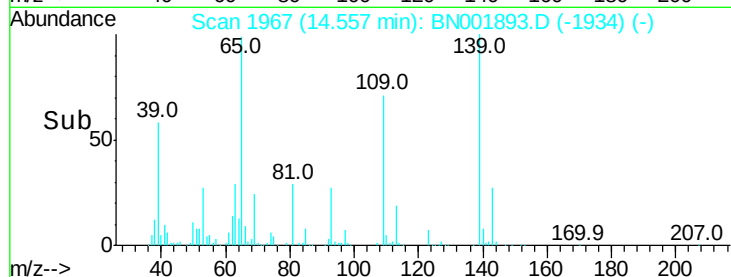
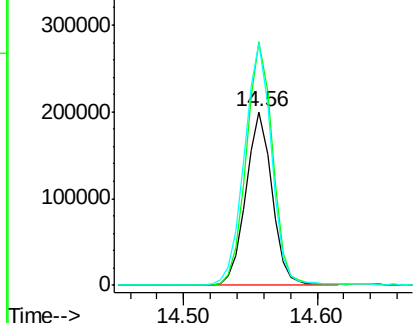
#52
4-Nitrophenol
Concen: 17.342 ng/ul
RT: 14.56 min Scan# 1967
Delta R.T. -0.01 min
Lab File: BN001893.D
Acq: 20 Jun 2018 19:09

Instrument :
BNA_N
ClientSampleId :

Tot Ion:109 Resp: 271108
Ion Ratio Lower Upper
109 100
139 140.1 91.2 136.8#
65 139.7 92.6 139.0#

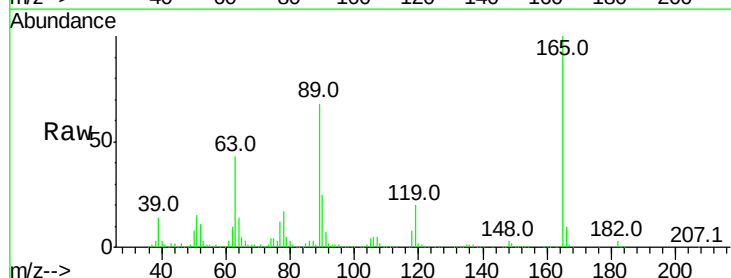


Abundance Ion 109.00 (108.70 to 109.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 65.00 (64.70 to 65.70): BNC

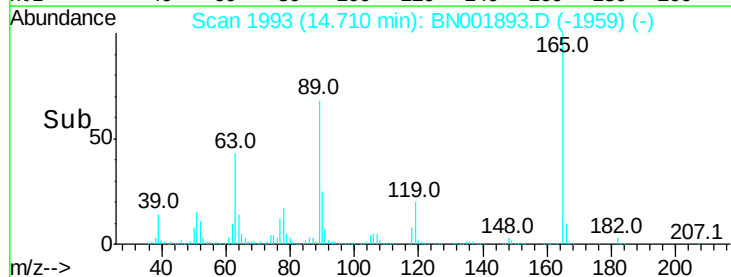
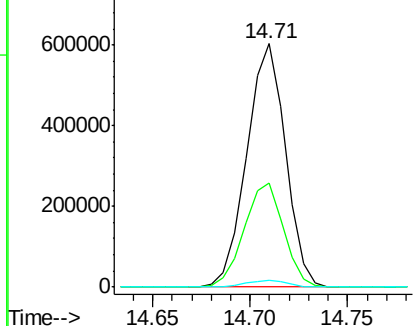


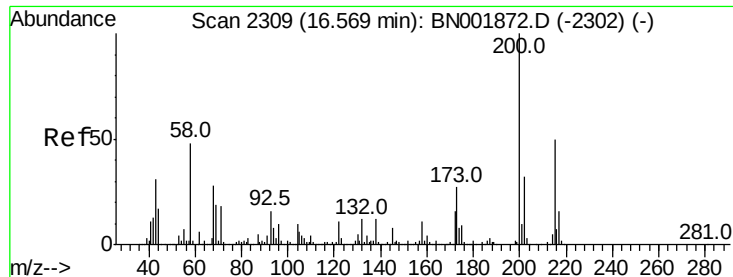
#54
2,4-Dinitrotoluene
Concen: 26.310 ng/ul
RT: 14.71 min Scan# 1993
Delta R.T. -0.00 min
Lab File: BN001893.D
Acq: 20 Jun 2018 19:09

Tgt Ion:165 Resp: 828434
Ion Ratio Lower Upper
165 100
63 42.7 31.4 47.0
182 3.0 2.7 4.1



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BNC
Ion 182.00 (181.70 to 182.70): E

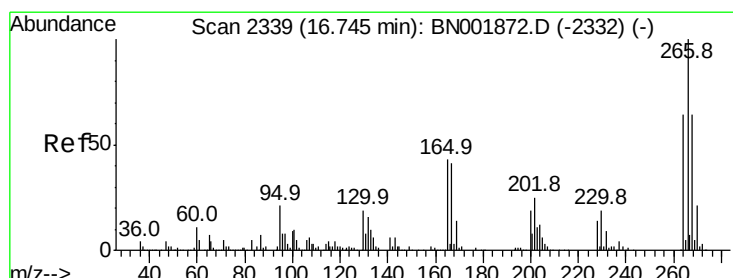
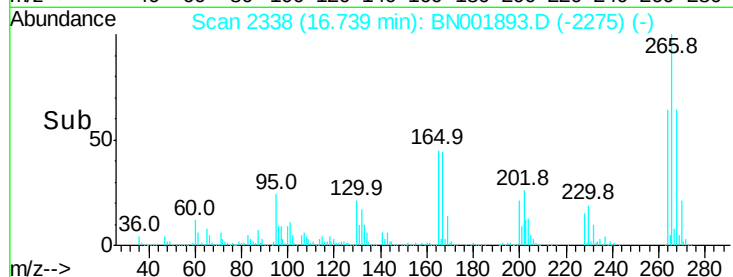
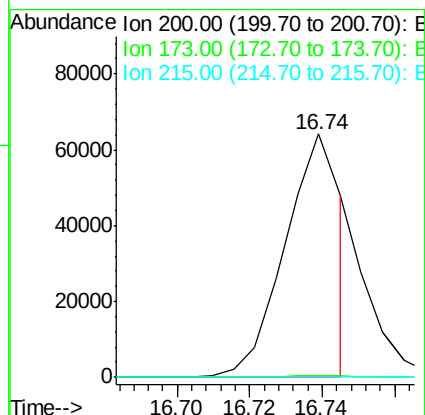
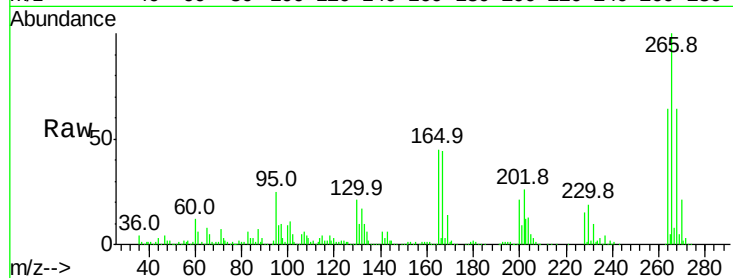




#67
Atrazine
Concen: 2.508 ng/ul
RT: 16.74 min Scan# 2338
Delta R.T. 0.17 min
Lab File: BN001893.D
Acq: 20 Jun 2018 19:09

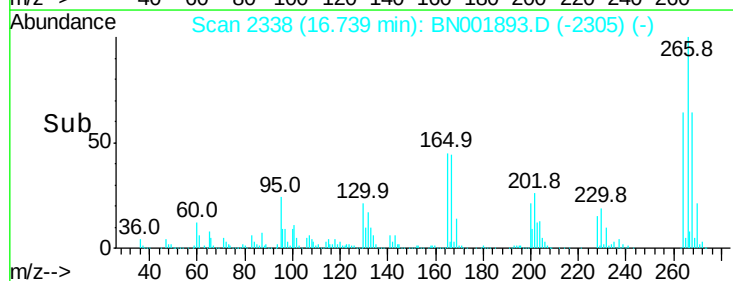
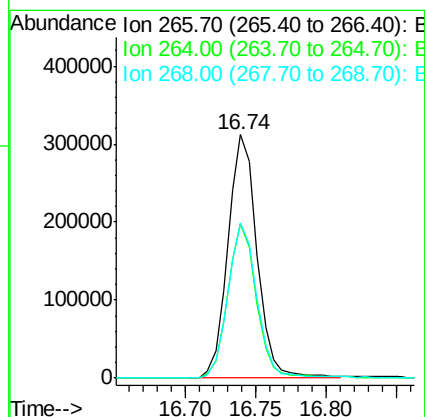
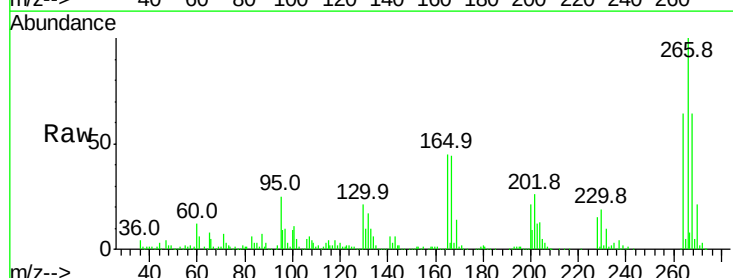
Instrument :
BNA_N
ClientSampled :

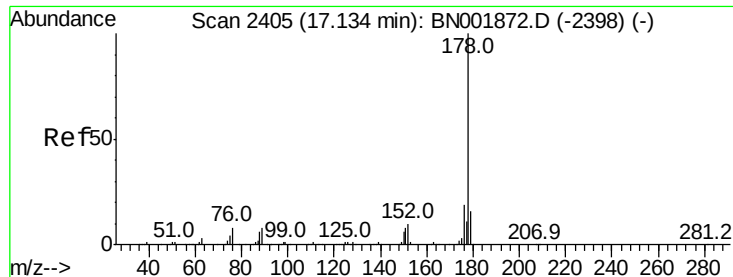
Tot Ion	Ratio	Lower	Upper
200	100		
173	0.6	20.6	31.0#
215	0.0	39.8	59.6#



#68
Pentachlorophenol
Concen: 26.054 ng/ul
RT: 16.74 min Scan# 2338
Delta R.T. -0.01 min
Lab File: BN001893.D
Acq: 20 Jun 2018 19:09

Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.5	48.2	72.4
268	63.7	52.3	78.5





#69

Phenanthrene

Concen: 2.016 ng/ul

RT: 17.13 min Scan# 2405

Delta R.T. -0.00 min

Lab File: BN001893.D

Acq: 20 Jun 2018 19:09

Instrument :

BNA_N

ClientSampleId :

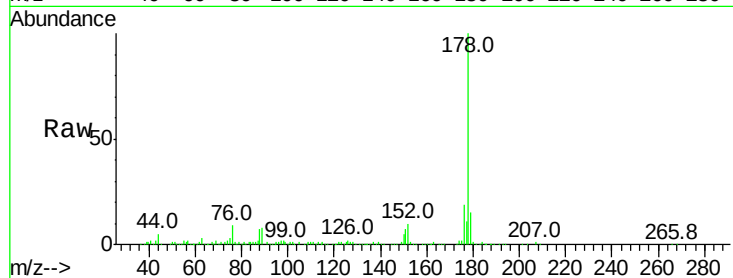
Tot Ion:178 Resp: 288869

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	19.2	15.4	23.0

178 100

179 15.4 12.3 18.5

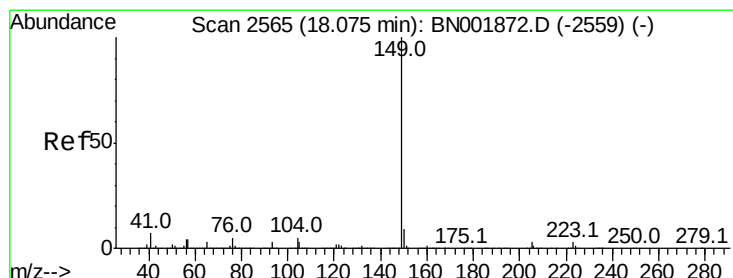
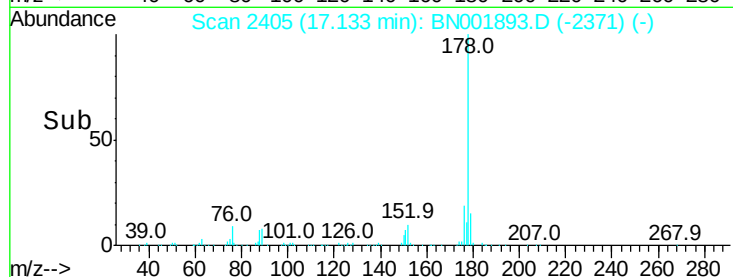
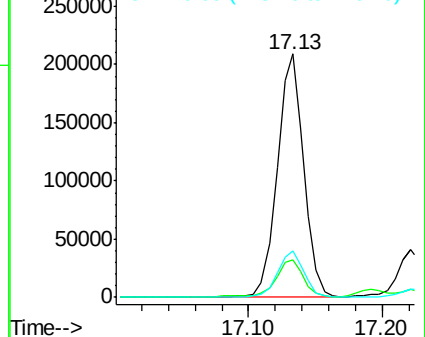
176 19.2 15.4 23.0



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



#73

Di-n-butylphthalate

Concen: 1.168 ng/ul

RT: 18.07 min Scan# 2565

Delta R.T. -0.00 min

Lab File: BN001893.D

Acq: 20 Jun 2018 19:09

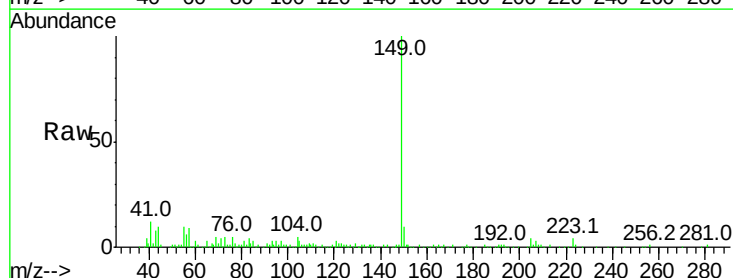
Tgt Ion:149 Resp: 179189

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.5	11.3
104	5.0	4.1	6.1

149 100

150 9.6 7.5 11.3

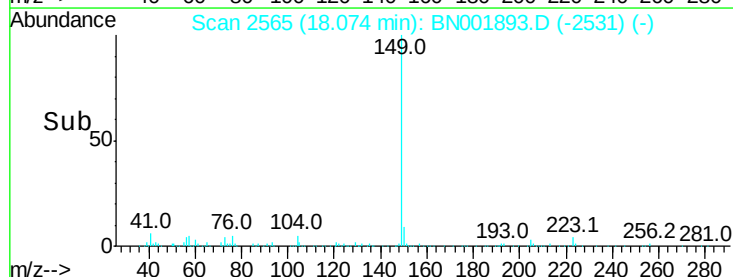
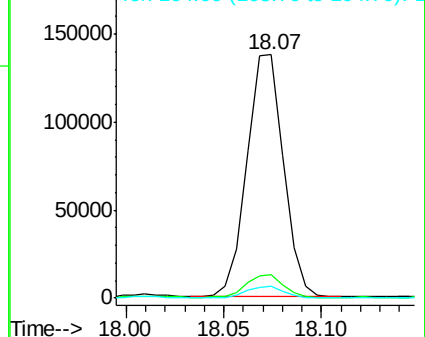
104 5.0 4.1 6.1

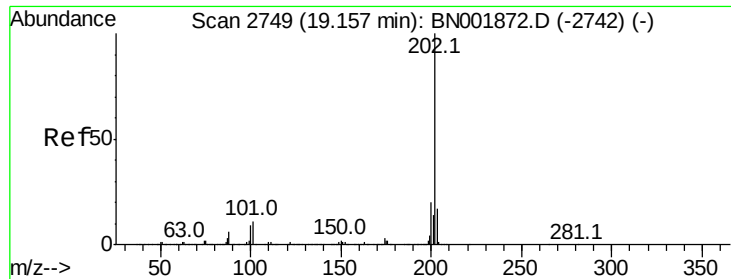


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 3.124 ng/ul

RT: 19.15 min Scan# 2748

Delta R.T. -0.01 min

Lab File: BN001893.D

Acq: 20 Jun 2018 19:09

Instrument :

BNA_N

ClientSampled :

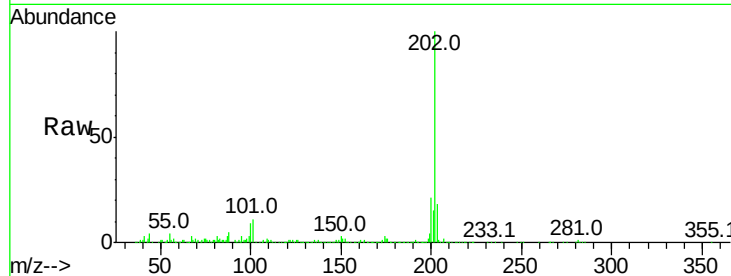
Tot Ion:202 Resp: 470643

Ion Ratio Lower Upper

202 100

101 10.9 6.1 9.1#

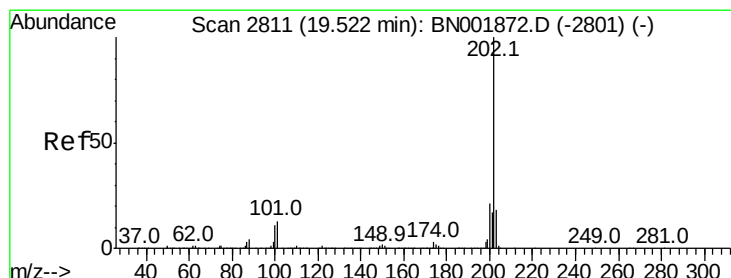
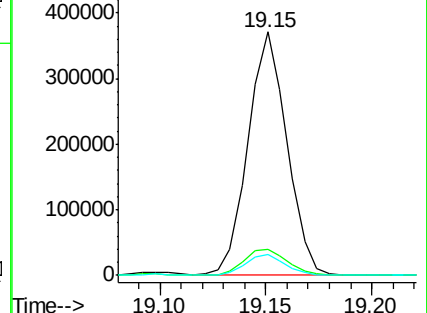
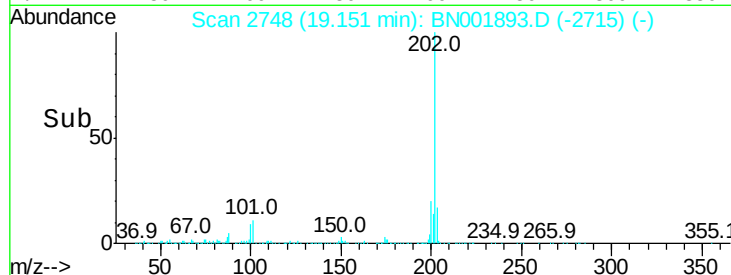
100 8.6 4.6 7.0#



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



#77

Pyrene

Concen: 38.449 ng/ul

RT: 19.52 min Scan# 2810

Delta R.T. -0.01 min

Lab File: BN001893.D

Acq: 20 Jun 2018 19:09

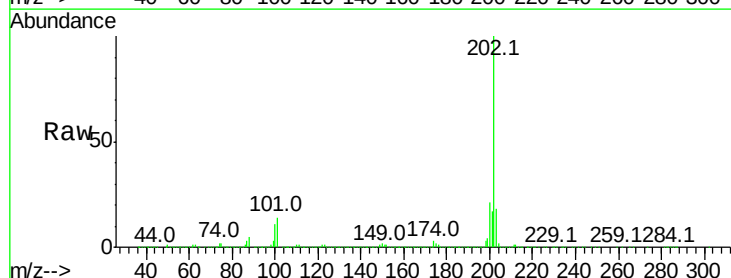
Tgt Ion:202 Resp: 4632823

Ion Ratio Lower Upper

202 100

101 13.9 6.9 10.3#

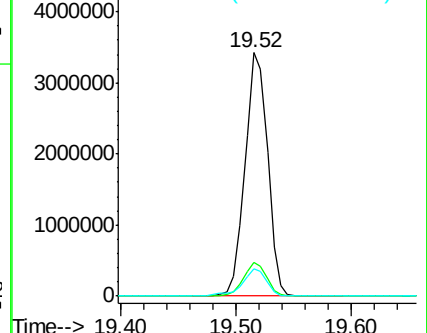
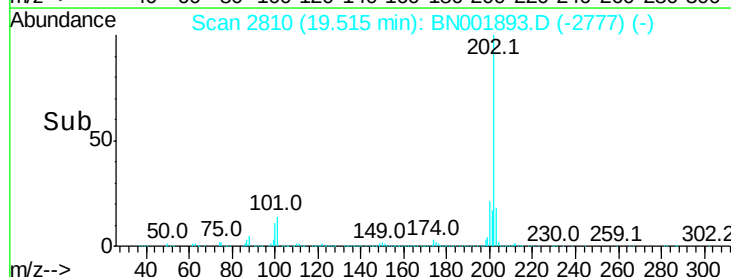
100 11.3 5.6 8.4#

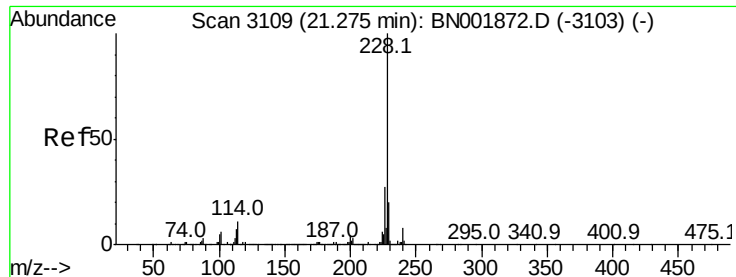


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 1.622 ng/ul

RT: 21.27 min Scan# 3109

Delta R.T. -0.00 min

Lab File: BN001893.D

Acq: 20 Jun 2018 19:09

Instrument :

BNA_N

ClientSampleId :

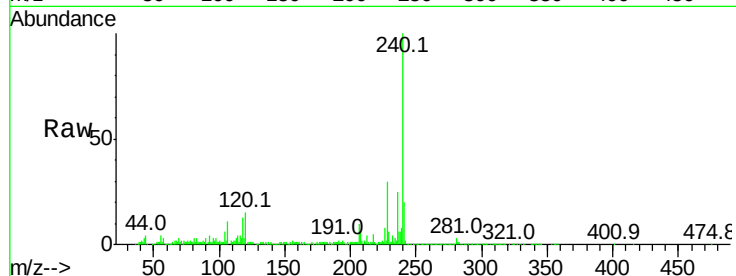
Tot Ion:228 Resp: 197404

Ion Ratio Lower Upper

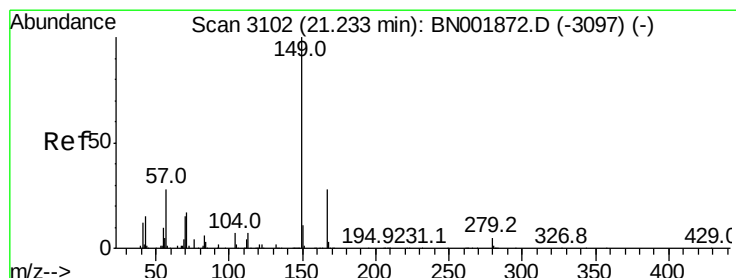
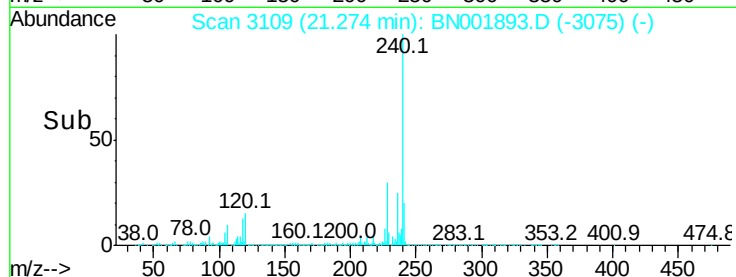
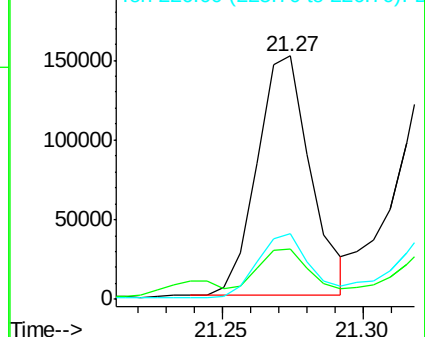
228 100

229 20.7 16.0 24.0

226 26.7 21.8 32.8



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



#81

Bis(2-ethylhexyl)phthalate

Concen: 3.353 ng/ul

RT: 21.23 min Scan# 3101

Delta R.T. -0.01 min

Lab File: BN001893.D

Acq: 20 Jun 2018 19:09

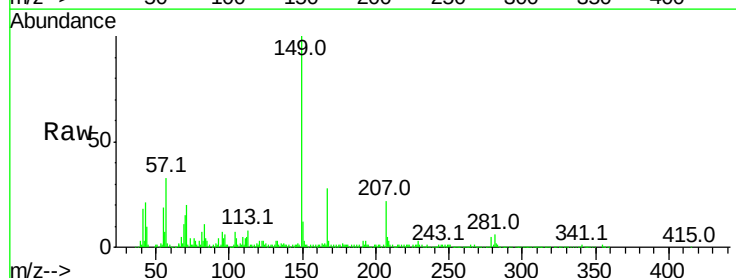
Tgt Ion:149 Resp: 257101

Ion Ratio Lower Upper

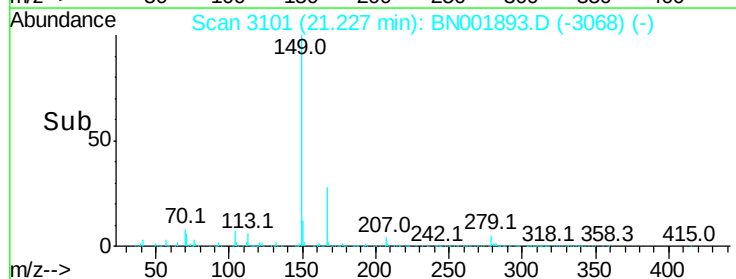
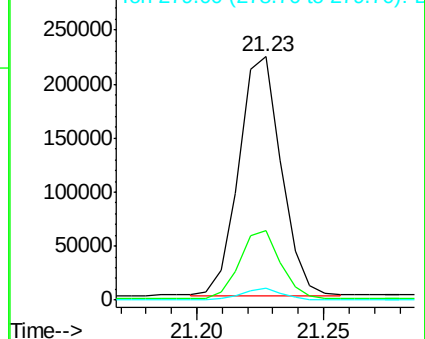
149 100

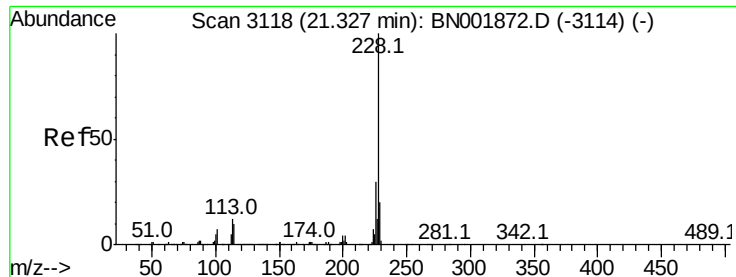
167 28.4 23.0 34.6

279 4.9 4.3 6.5



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





#82

Chrysene

Concen: 1.846 ng/ul

RT: 21.32 min Scan# 3117

Delta R.T. -0.01 min

Lab File: BN001893.D

Acq: 20 Jun 2018 19:09

Instrument :

BNA_N

ClientSampleId :

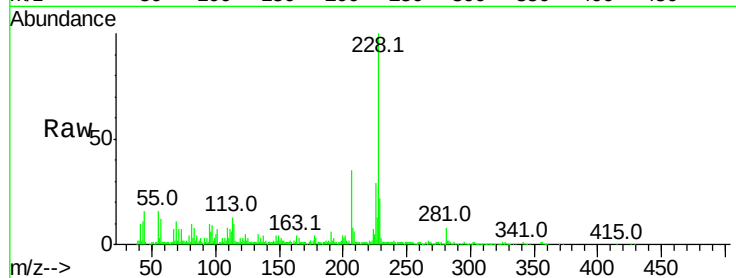
Tot Ion:228 Resp: 208975

Ion Ratio Lower Upper

228 100

226 28.6 24.1 36.1

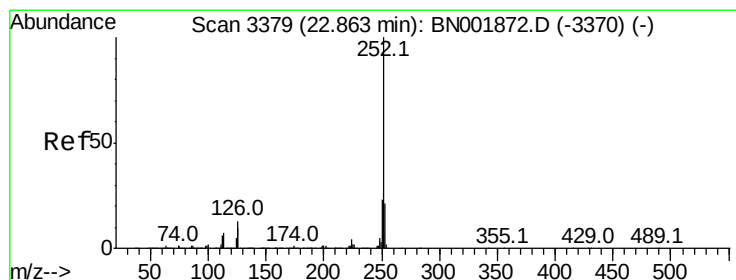
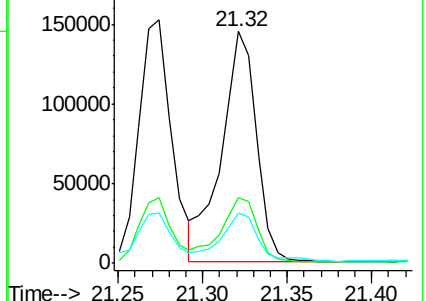
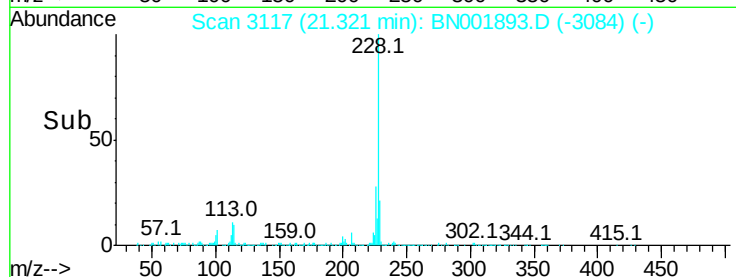
229 22.0 16.0 24.0



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



#85

Benzo(b)fluoranthene

Concen: 2.033 ng/ul

RT: 22.85 min Scan# 3377

Delta R.T. -0.01 min

Lab File: BN001893.D

Acq: 20 Jun 2018 19:09

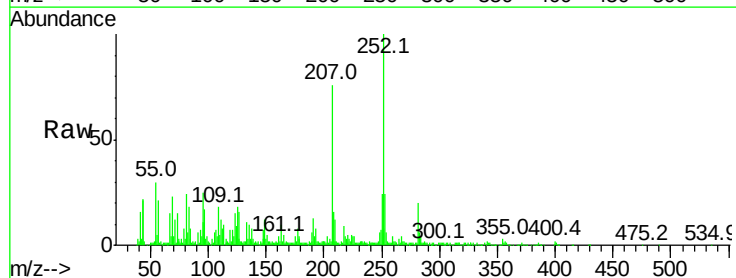
Tgt Ion:252 Resp: 257058

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

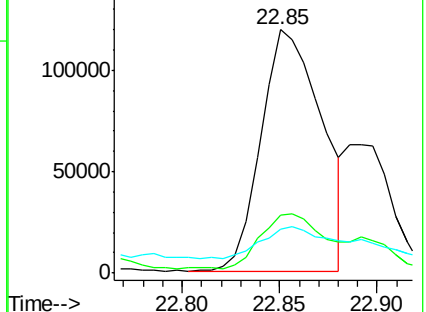
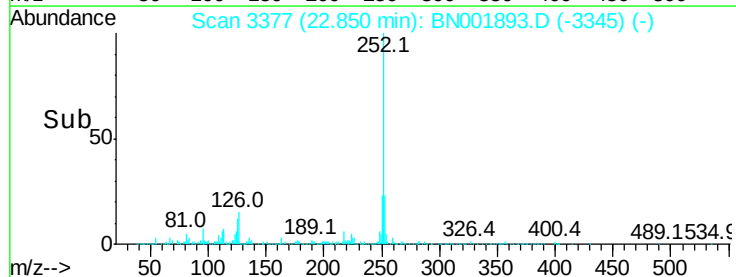
125 17.9 4.9 7.3#

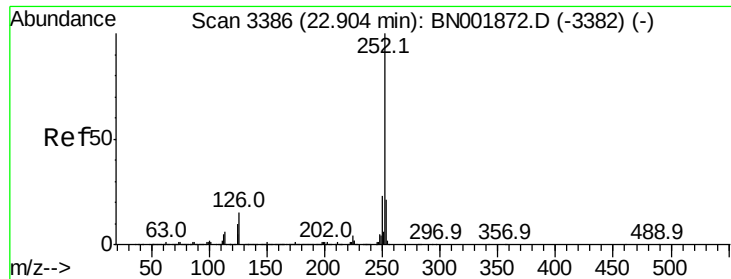


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

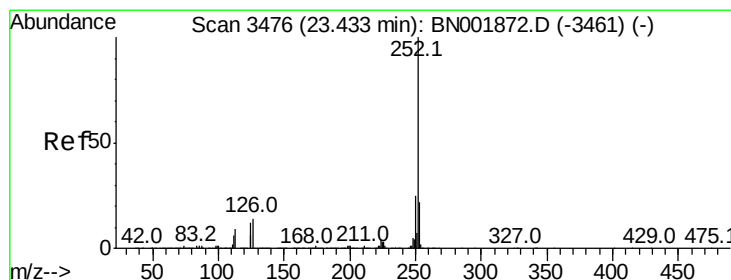
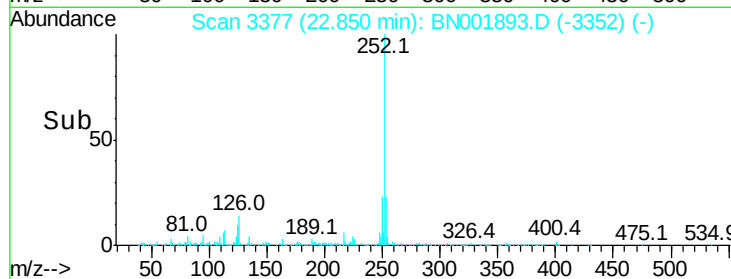
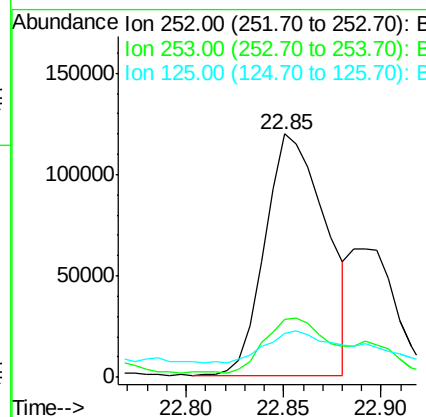
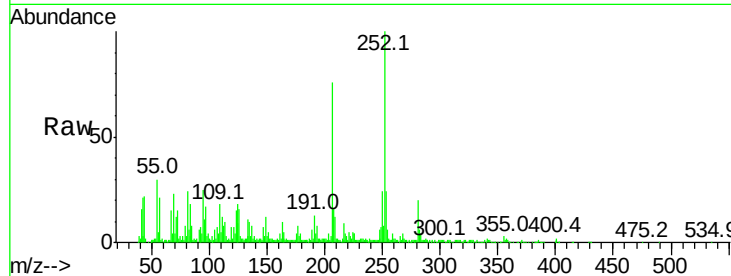




#86
Benzo(k)fluoranthene
Concen: 2.097 ng/ul
RT: 22.85 min Scan# 3377
Delta R.T. -0.05 min
Lab File: BN001893.D
Acq: 20 Jun 2018 19:09

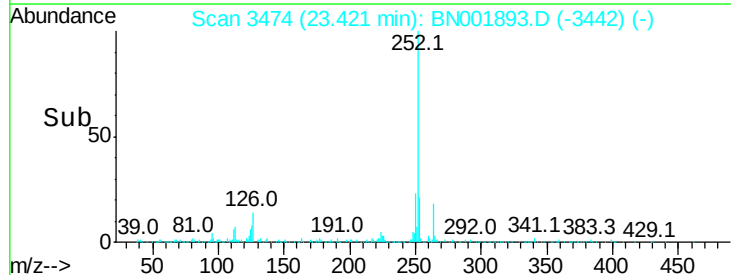
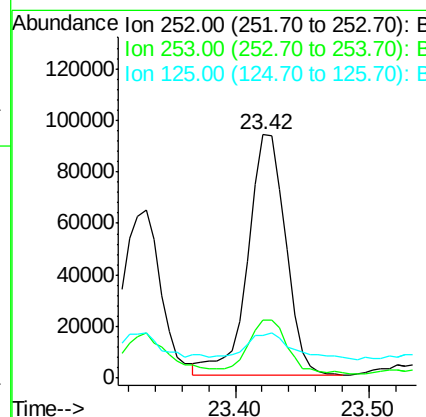
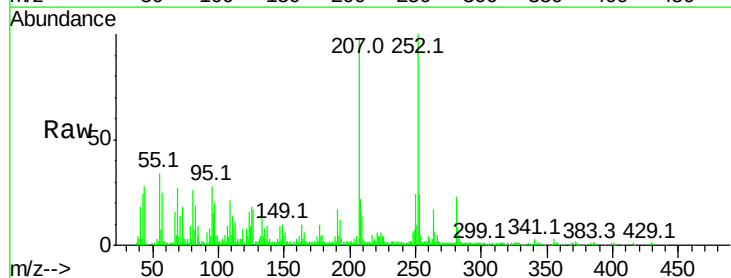
Instrument :
BNA_N
ClientSampleId :

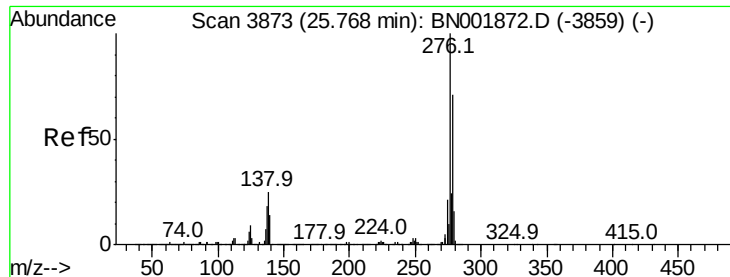
Tot Ion:252 Resp: 257058
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 17.9 5.4 8.0#



#88
Benzo(a)pyrene
Concen: 1.537 ng/ul
RT: 23.42 min Scan# 3474
Delta R.T. -0.01 min
Lab File: BN001893.D
Acq: 20 Jun 2018 19:09

Tgt Ion:252 Resp: 181649
Ion Ratio Lower Upper
252 100
253 23.7 17.2 25.8
125 17.5 5.8 8.6#



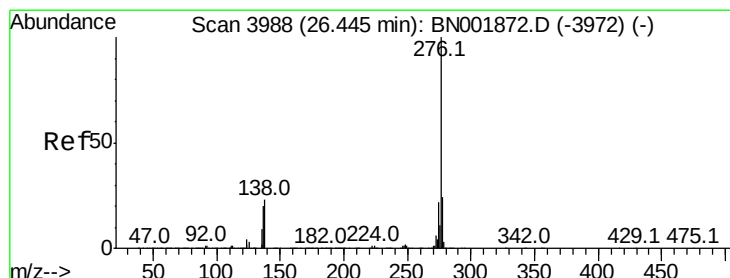
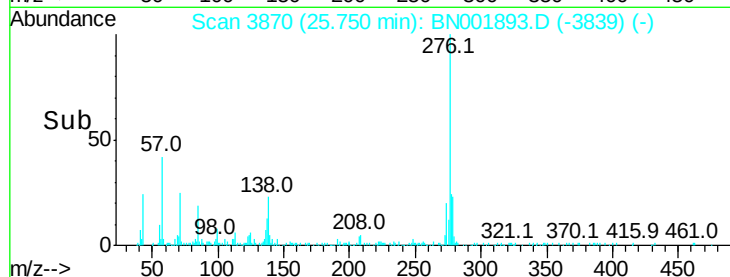
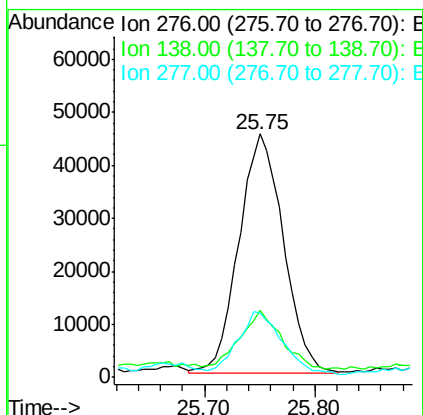
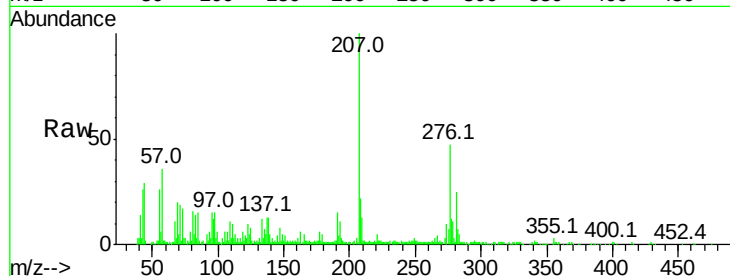


#89

Indeno(1,2,3-cd)pyrene
Concen: 1.017 ng/ul
RT: 25.75 min Scan# 3870
Delta R.T. -0.02 min
Lab File: BN001893.D
Acq: 20 Jun 2018 19:09

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.3	10.9	16.3#
277	26.2	18.9	28.3



#91

Benzo(g,h,i)perylene
Concen: 1.192 ng/ul
RT: 26.43 min Scan# 3985
Delta R.T. -0.02 min
Lab File: BN001893.D
Acq: 20 Jun 2018 19:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.7	11.2	16.8#
277	25.4	19.0	28.6

