

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071118\
 Data File : BN002012.D
 Acq On : 11 Jul 2018 16:01
 Operator : JU/SJ
 Sample : J3775-14MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 11 22:42:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 11 22:41:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	497124	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	2272496	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	1318295	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	2902878	20.00	ng/ul	0.00
75) Chrysene-d12	21.29	240	2526837	20.00	ng/ul	0.00
83) Perylene-d12	23.53	264	2191480	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	53354	4.66	ng/uL	0.00
5) Phenol-d5	6.89	99	1337900	29.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	806960	29.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	1071087	30.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.42	113	1025991	28.47	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	543580	32.21	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	611182	34.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.11	165	1095914	29.39	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	430997	11.16	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	3194417	28.69	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	4133379	30.07	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	571658	27.87	ng/ul	0.00
57) Fluorene-d10	15.33	176	2869626	29.41	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	440385	27.85	ng/ul	0.00
70) Anthracene-d10	17.19	188	4351295	31.02	ng/ul	0.00
76) Pyrene-d10	19.49	212	4601204	36.12	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.39	264	3637808	30.52	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	6.92	94	1430538	31.531	ng/ul 99
10) 2-Chlorophenol	7.28	128	1067550	29.569	ng/ul 99
15) N-Nitroso-di-n-propylamine	8.51	70	864363	30.282	ng/ul 93
28) Naphthalene	10.53	128	146308	1.213	ng/ul 96
33) 4-Chloro-3-methylphenol	11.77	107	1190184	29.806	ng/ul 95
34) 2-Methylnaphthalene	12.15	142	92228	1.054	ng/ul 99
44) Dimethylphthalate	13.80	163	888557	8.121	ng/ul 99
49) Acenaphthene	14.40	153	2795374	30.377	ng/ul 99
52) 4-Nitrophenol	14.57	109	423058	27.741	ng/ul# 71
54) 2,4-Dinitrotoluene	14.71	165	1009293	32.858	ng/ul 94
68) Pentachlorophenol	16.74	266	609863	31.054	ng/ul 97
69) Phenanthrene	17.13	178	748405	4.577	ng/ul 99
71) Anthracene	17.22	178	184465	1.114	ng/ul 98
73) Di-n-butylphthalate	18.06	149	296615	1.694	ng/ul 99
74) Fluoranthene	19.15	202	1746495	10.161	ng/ul# 90
77) Pyrene	19.52	202	7212799	45.614	ng/ul# 85
78) Butylbenzylphthalate	20.43	149	241668	3.582	ng/ul 90
80) Benzo(a)anthracene	21.27	228	851421	5.332	ng/ul# 91
81) Bis(2-ethylhexyl)phthalate	21.22	149	9100025	90.438	ng/ul 97
82) Chrysene	21.32	228	1102174	7.418	ng/ul# 96
85) Benzo(b)fluoranthene	22.86	252	1271640	9.187	ng/ul# 89
86) Benzo(k)fluoranthene	22.86	252	1271640	9.474	ng/ul# 89
88) Benzo(a)pyrene	23.43	252	764713	5.912	ng/ul# 85

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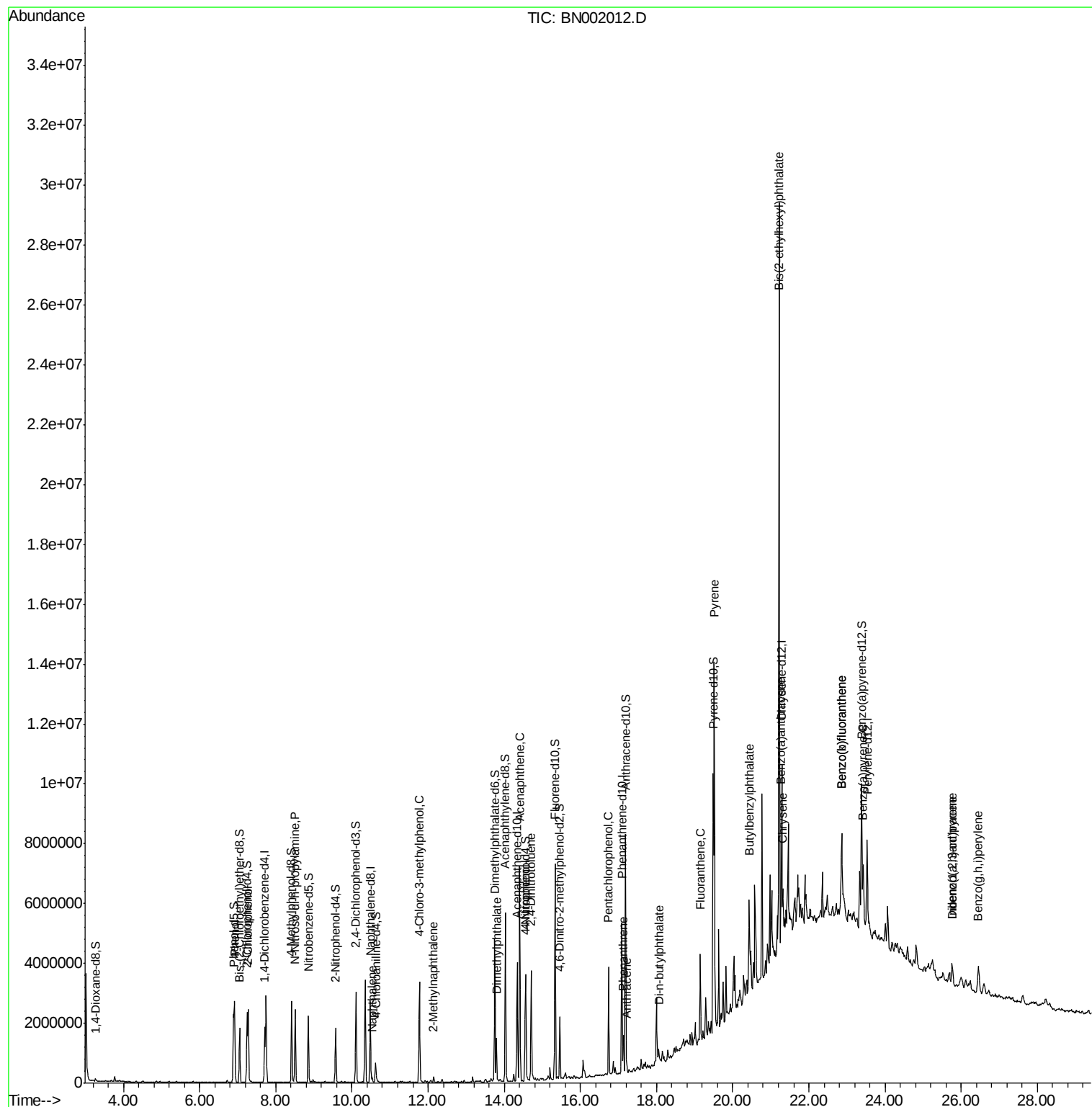
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	25.76	276	645904	4.693	ng/ul#	86
90) Dibenzo(a,h)anthracene	25.76	278	195009	1.702	ng/ul#	61
91) Benzo(g,h,i)perylene	26.45	276	1117793	9.845	ng/ul#	87

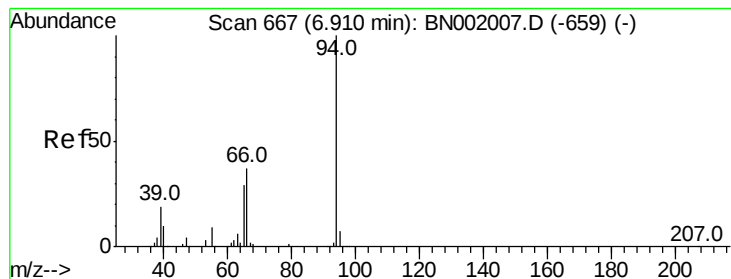
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 31.531 ng/ul

RT: 6.92 min Scan# 668

Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

Instrument :

BNA_N

ClientSampled :

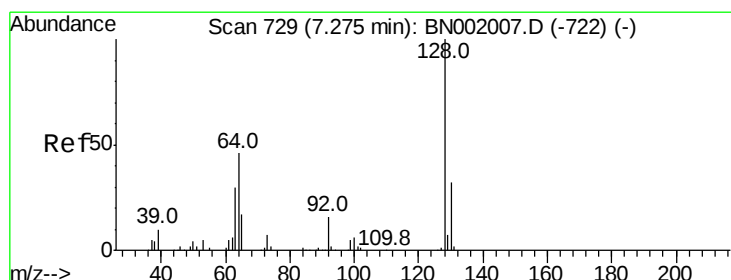
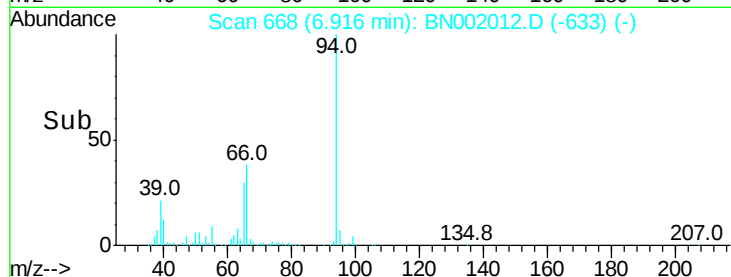
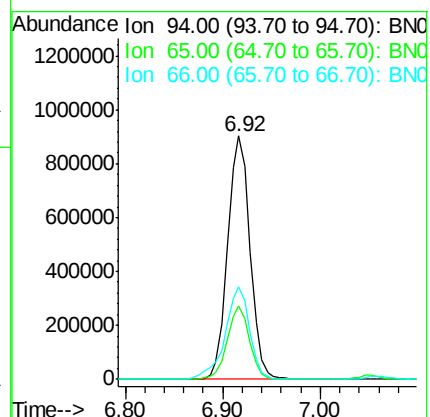
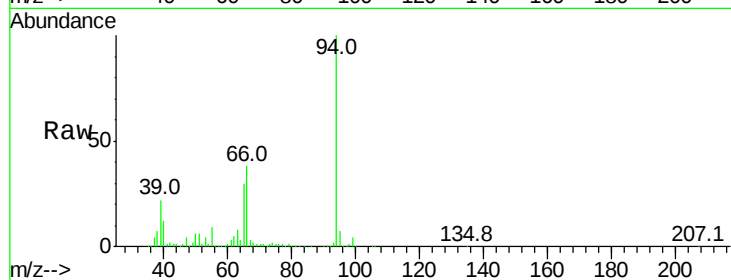
Tot Ion: 94 Resp: 1430538

Ion Ratio Lower Upper

94 100

65 30.0 23.0 34.6

66 37.8 30.4 45.6



#10

2-Chlorophenol

Concen: 29.569 ng/ul

RT: 7.28 min Scan# 730

Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

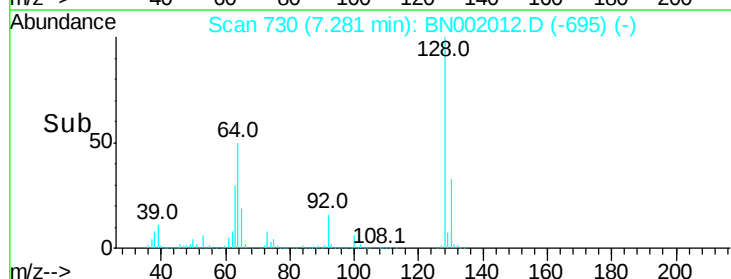
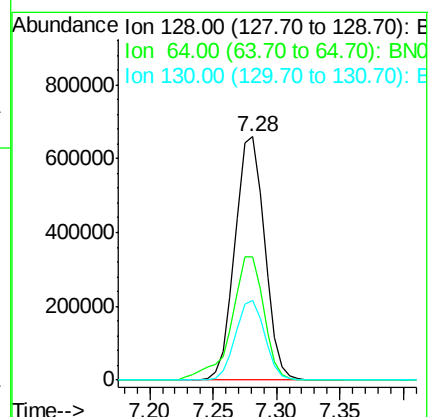
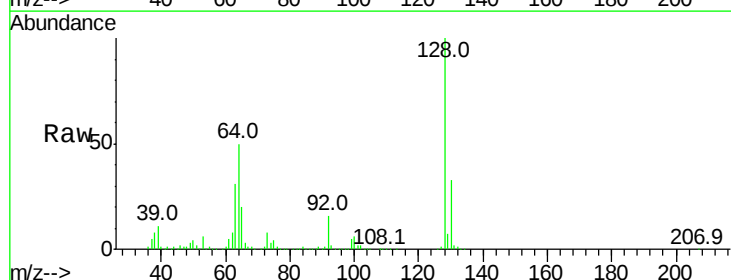
Tgt Ion:128 Resp: 1067550

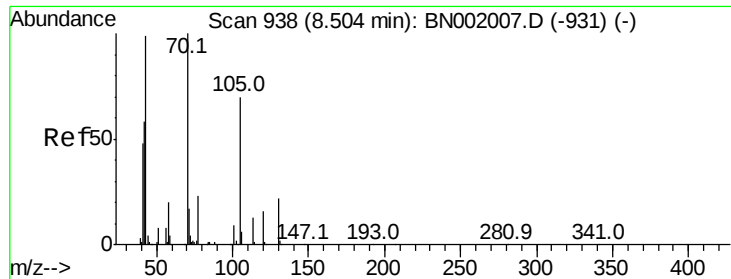
Ion Ratio Lower Upper

128 100

64 50.4 39.8 59.6

130 32.8 25.8 38.8





#15

N-Nitroso-di-n-propylamine

Concen: 30.282 ng/ul

RT: 8.51 min Scan# 939

Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

Instrument :

BNA_N

ClientSampleId :

Tot Ion: 70 Resp: 864363

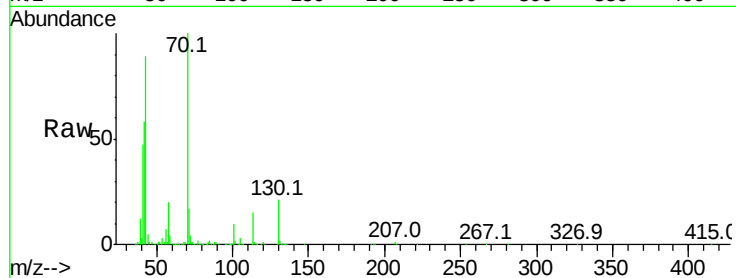
Ion Ratio Lower Upper

70 100

42 58.1 40.2 60.4

101 9.8 7.7 11.5

130 21.4 17.8 26.6

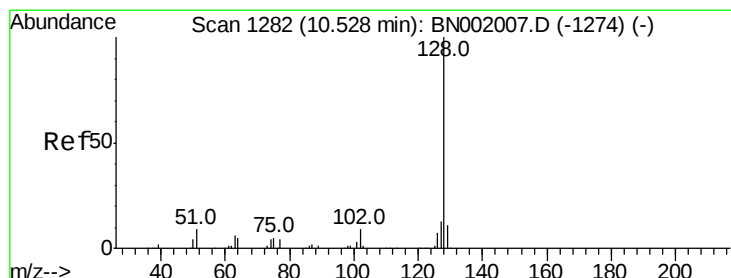
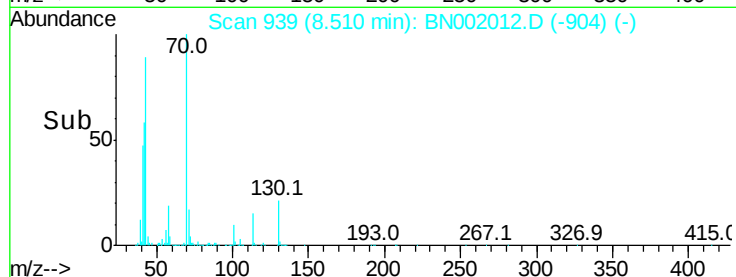
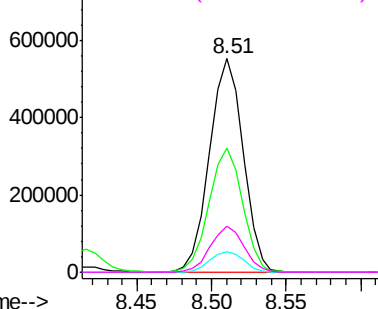


Abundance Ion 70.00 (69.70 to 70.70): BN0

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



#28

Naphthalene

Concen: 1.213 ng/ul

RT: 10.53 min Scan# 1283

Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

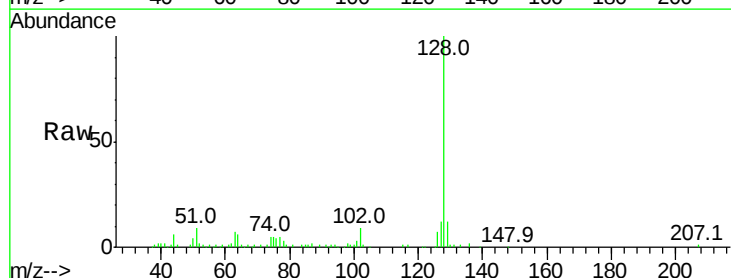
Tgt Ion: 128 Resp: 146308

Ion Ratio Lower Upper

128 100

129 12.4 8.3 12.5

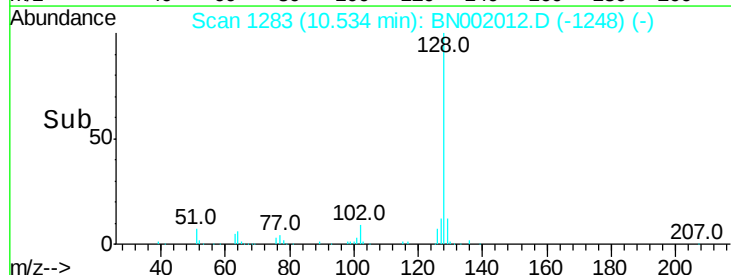
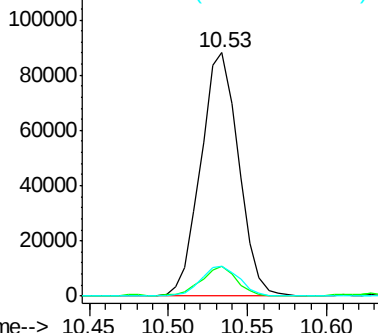
127 12.3 10.8 16.2

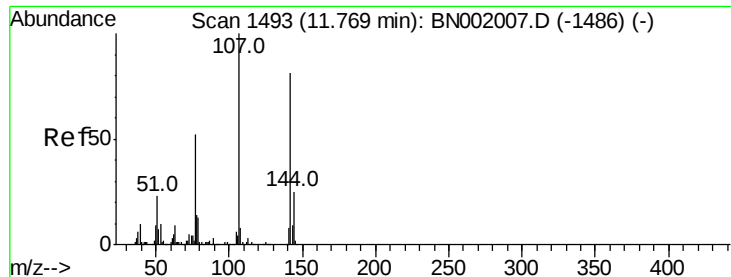


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

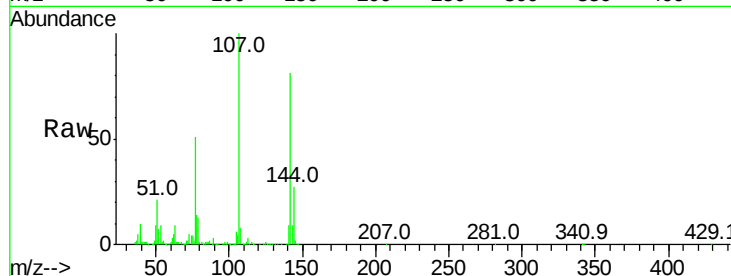




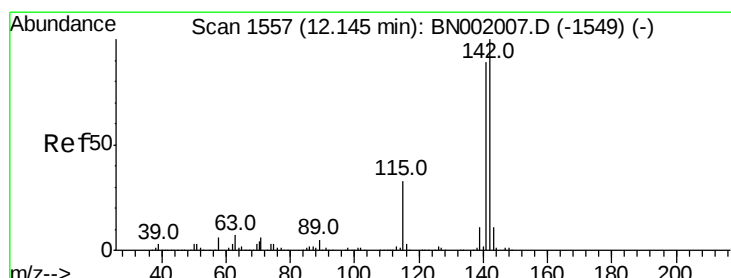
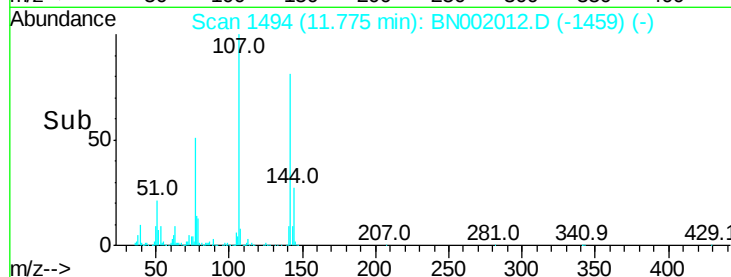
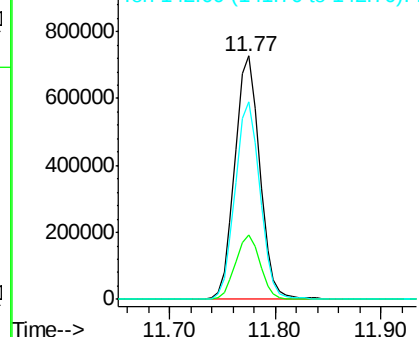
#33
4-Chloro-3-methylphenol
Concen: 29.806 ng/ul
RT: 11.77 min Scan# 1494
Delta R.T. 0.01 min
Lab File: BN002012.D
Acq: 11 Jul 2018 16:01

Instrument :
BNA_N
ClientSampled :

Tot Ion:107 Resp: 1190184
Ion Ratio Lower Upper
107 100
144 26.6 21.1 31.7
142 81.2 60.1 90.1

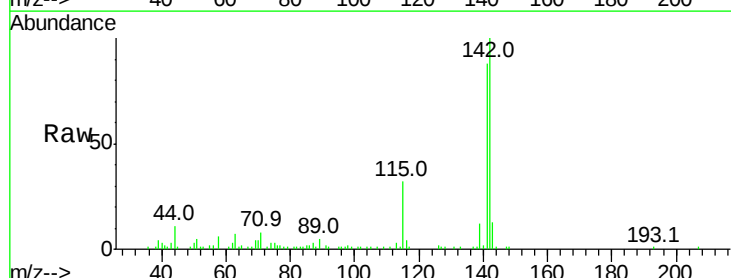


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

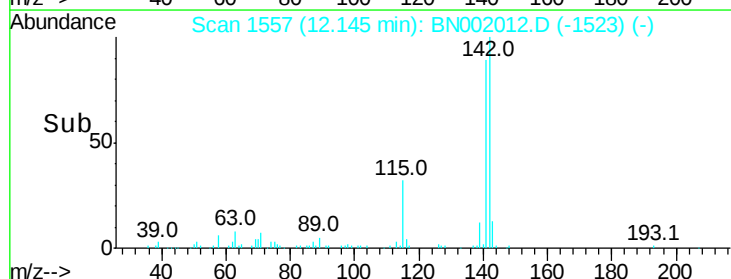
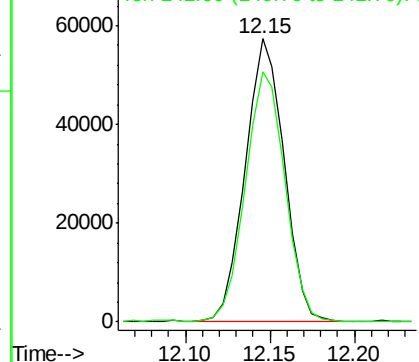


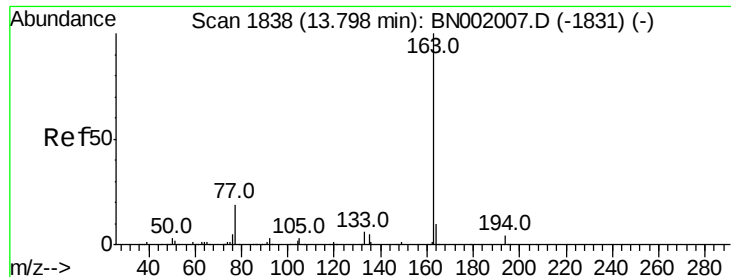
#34
2-Methylnaphthalene
Concen: 1.054 ng/ul
RT: 12.15 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BN002012.D
Acq: 11 Jul 2018 16:01

Tgt Ion:142 Resp: 92228
Ion Ratio Lower Upper
142 100
141 88.4 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 8.121 ng/ul

RT: 13.80 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

Instrument :

BNA_N

ClientSampleId :

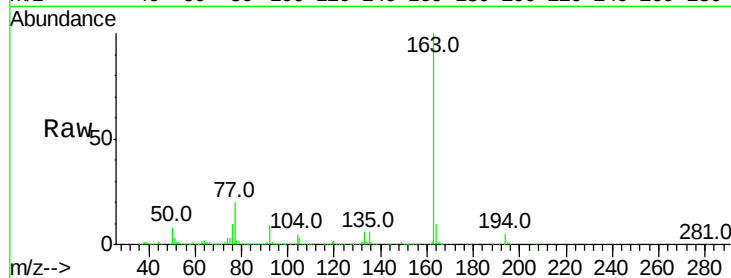
Tot Ion:163 Resp: 888557

Ion Ratio Lower Upper

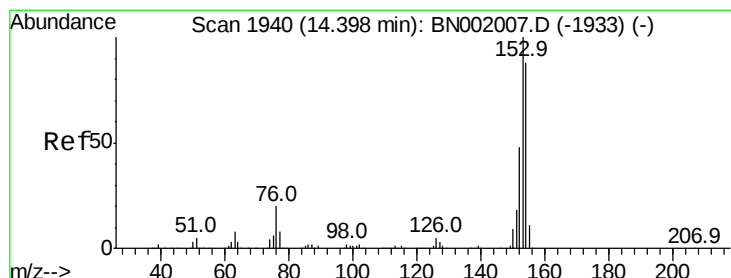
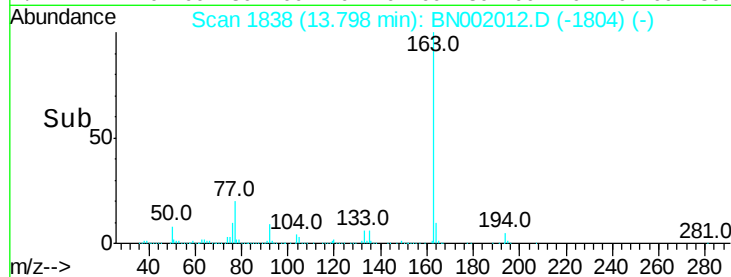
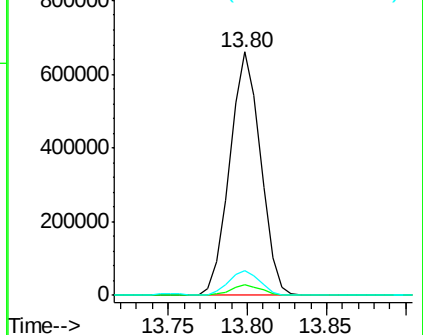
163 100

194 4.6 4.0 6.0

164 10.2 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: 30.377 ng/ul

RT: 14.40 min Scan# 1941

Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

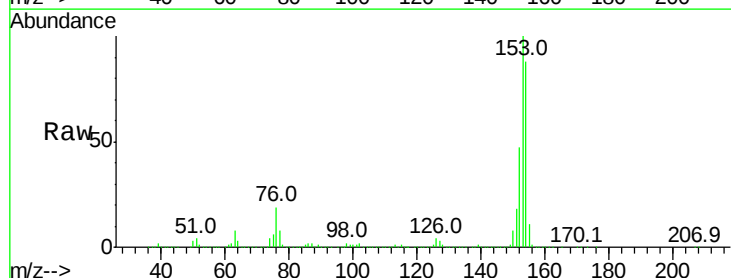
Tgt Ion:153 Resp: 2795374

Ion Ratio Lower Upper

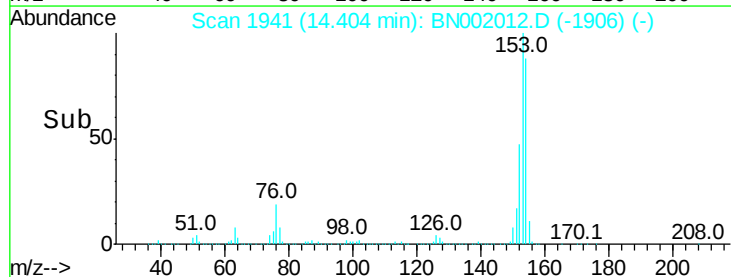
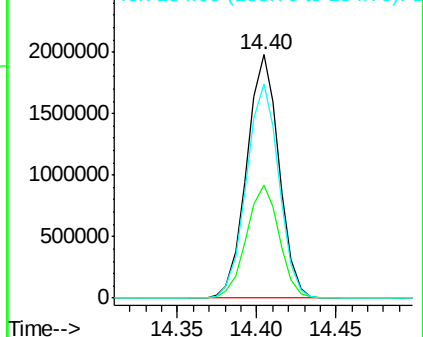
153 100

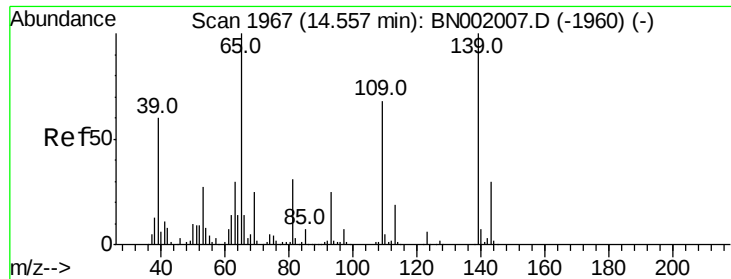
152 46.7 37.9 56.9

154 88.1 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: 27.741 ng/ul

RT: 14.57 min Scan# 1969

Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

Instrument :

BNA_N

ClientSampleId :

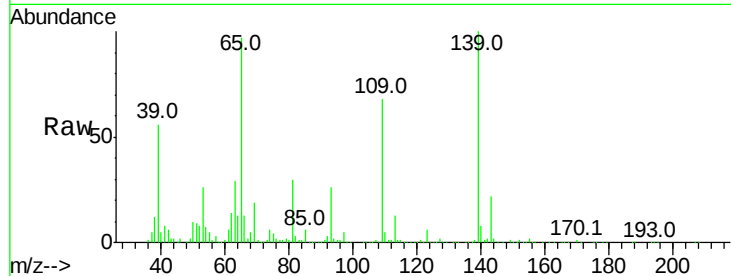
Tot Ion:109 Resp: 423058

Ion Ratio Lower Upper

109 100

139 148.1 91.2 136.8#

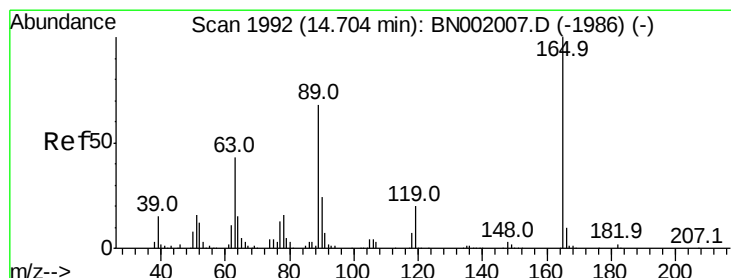
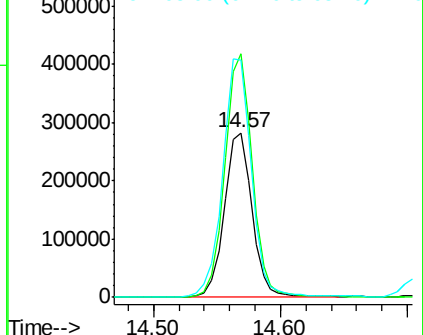
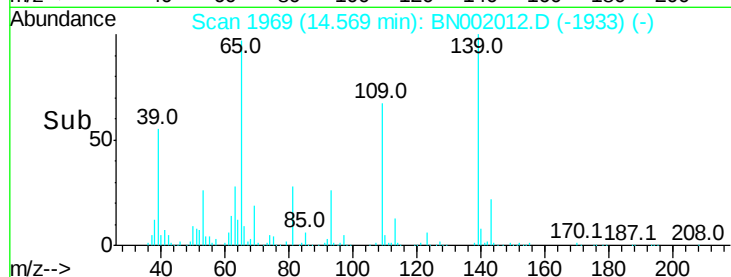
65 144.0 92.6 139.0#



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: 32.858 ng/ul

RT: 14.71 min Scan# 1993

Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

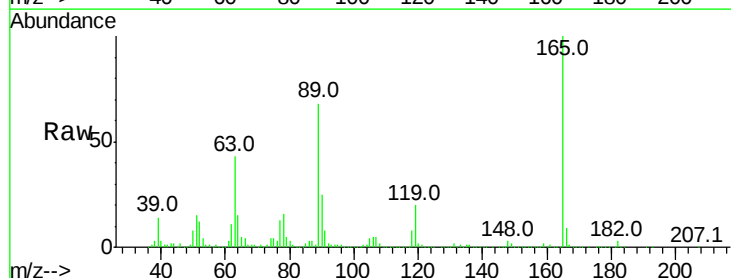
Tgt Ion:165 Resp: 1009293

Ion Ratio Lower Upper

165 100

63 43.2 31.4 47.0

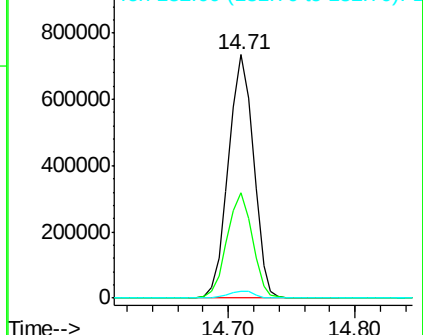
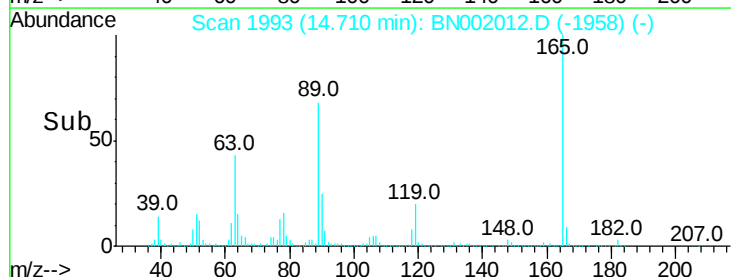
182 2.9 2.7 4.1

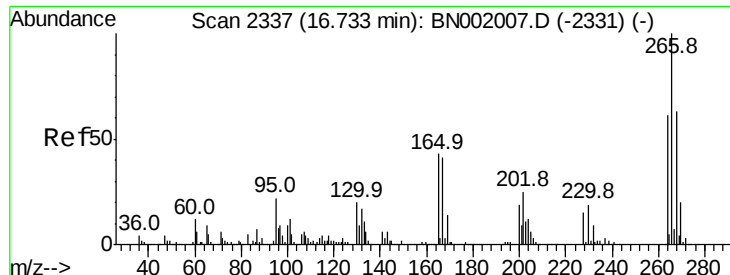


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 182.00 (181.70 to 182.70): E

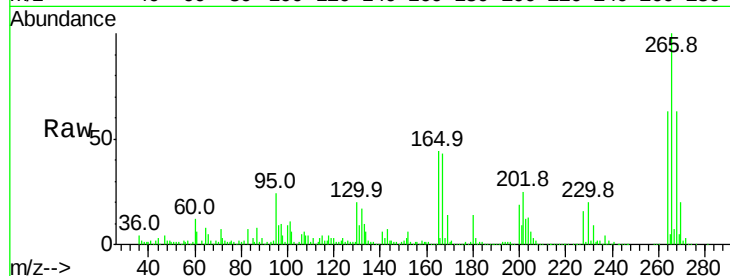




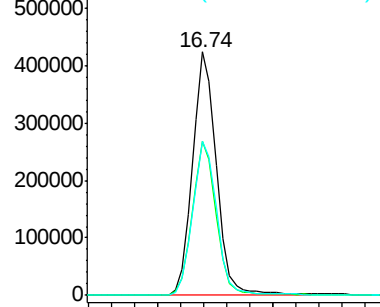
#68
 Pentachlorophenol
 Concen: 31.054 ng/ul
 RT: 16.74 min Scan# 2338
 Delta R.T. 0.01 min
 Lab File: BN002012.D
 Acq: 11 Jul 2018 16:01

Instrument :
 BNA_N
 ClientSampled :

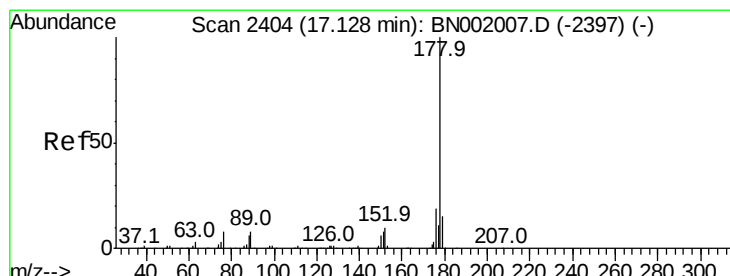
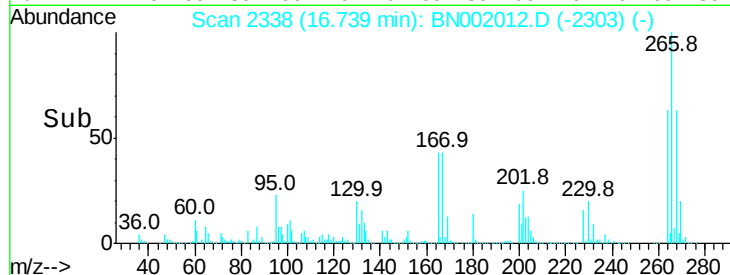
Tot Ion	Ratio	Lower	Upper
266	100		
264	63.4	48.2	72.4
268	63.4	52.3	78.5



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

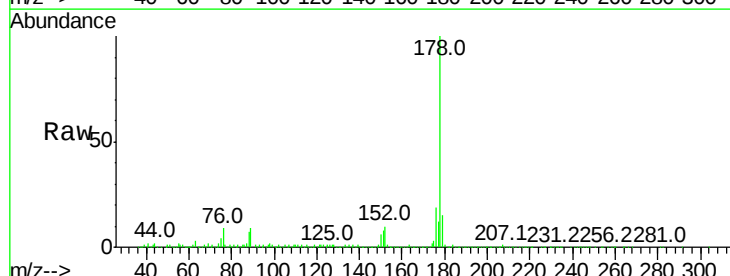


Time-->

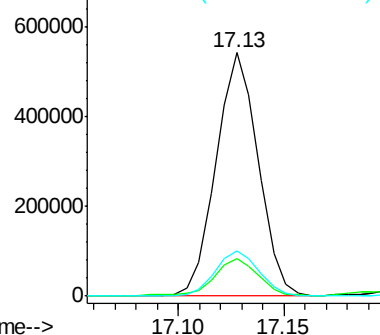


#69
 Phenanthrene
 Concen: 4.577 ng/ul
 RT: 17.13 min Scan# 2404
 Delta R.T. 0.00 min
 Lab File: BN002012.D
 Acq: 11 Jul 2018 16:01

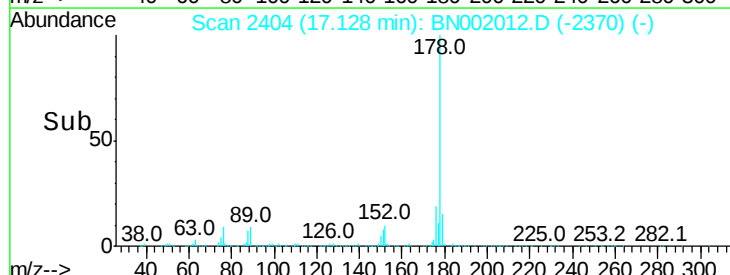
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	18.6	15.4	23.0

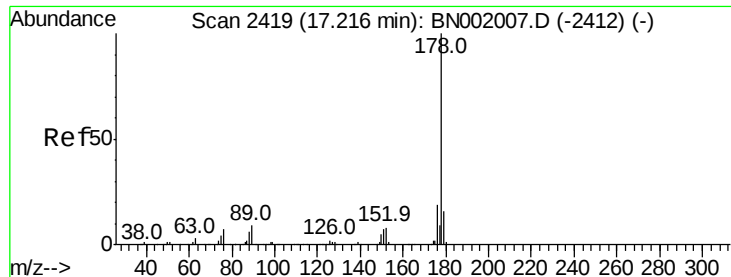


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E



Time-->





#71

Anthracene

Concen: 1.114 ng/ul

RT: 17.22 min Scan# 2420

Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

Instrument :

BNA_N

ClientSampleId :

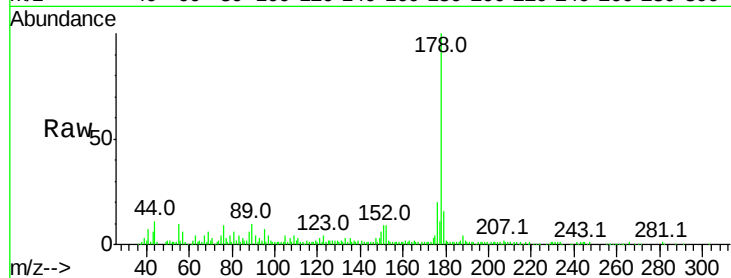
Tot Ion:178 Resp: 184465

Ion Ratio Lower Upper

178 100

179 16.2 13.4 20.2

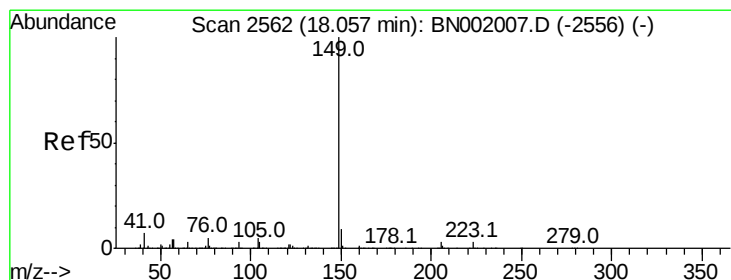
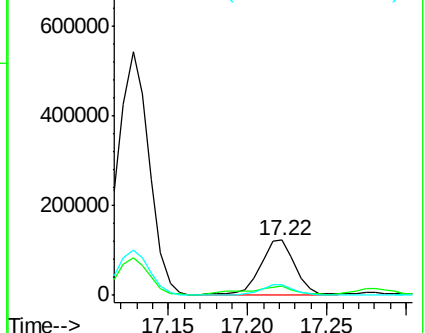
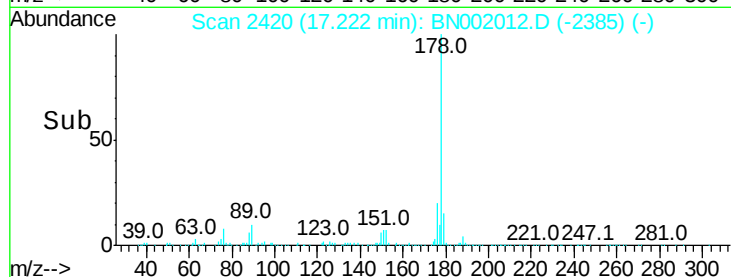
176 20.1 15.4 23.0



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: 1.694 ng/ul

RT: 18.06 min Scan# 2563

Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

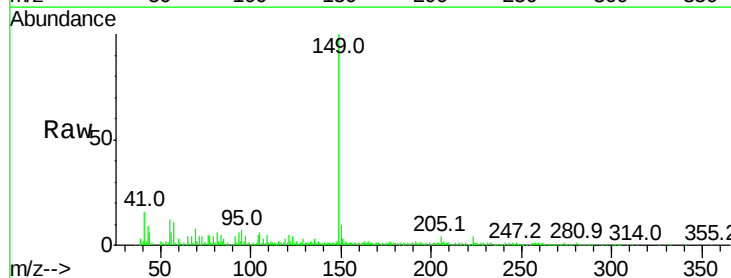
Tgt Ion:149 Resp: 296615

Ion Ratio Lower Upper

149 100

150 9.7 7.5 11.3

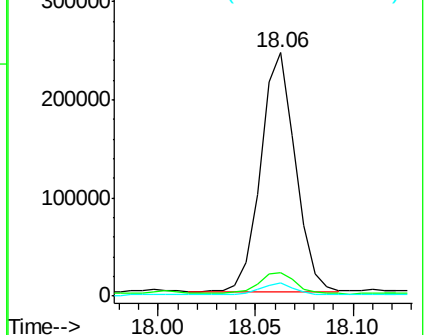
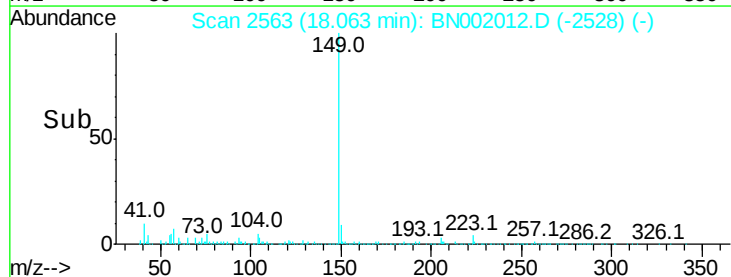
104 5.5 4.1 6.1

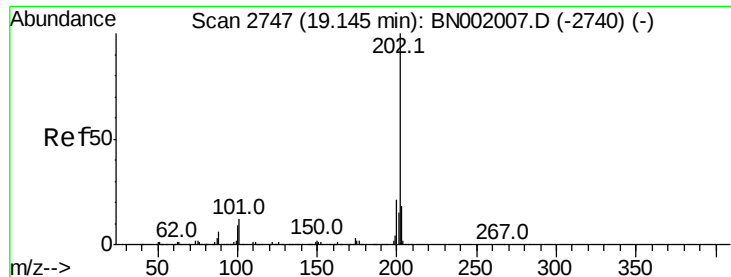


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 10.161 ng/ul

RT: 19.15 min Scan# 2748

Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

Instrument :

BNA_N

ClientSampleId :

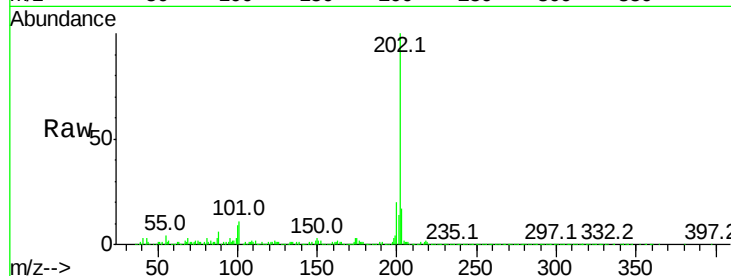
Tot Ion:202 Resp: 1746495

Ion Ratio Lower Upper

202 100

101 11.4 6.1 9.1#

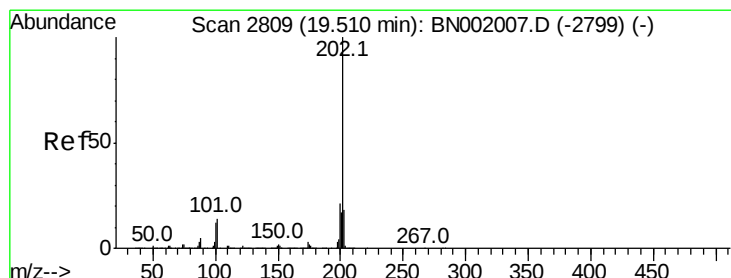
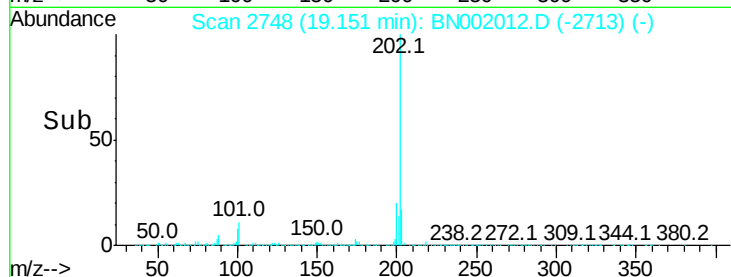
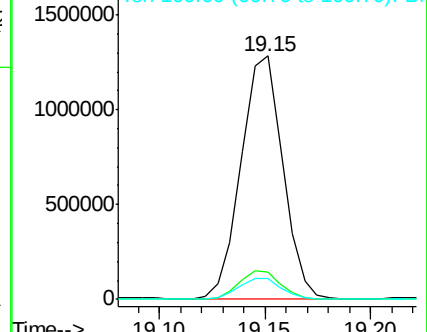
100 8.6 4.6 7.0#



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: 45.614 ng/ul

RT: 19.52 min Scan# 2810

Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

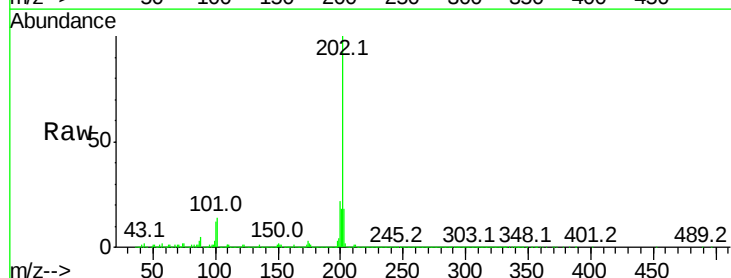
Tgt Ion:202 Resp: 7212799

Ion Ratio Lower Upper

202 100

101 14.2 6.9 10.3#

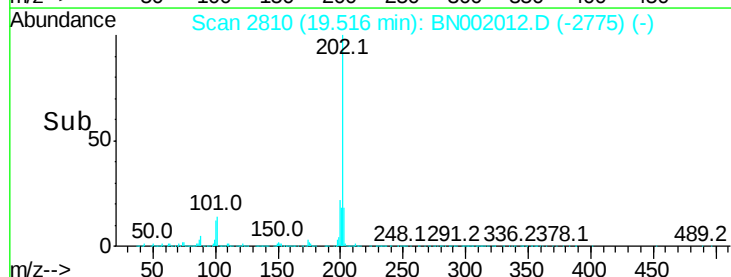
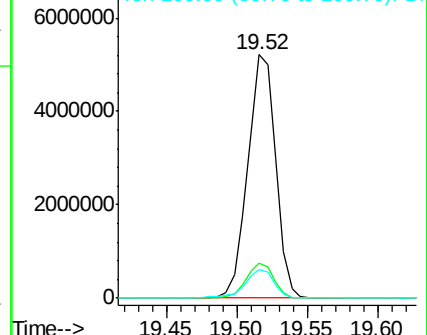
100 11.6 5.6 8.4#

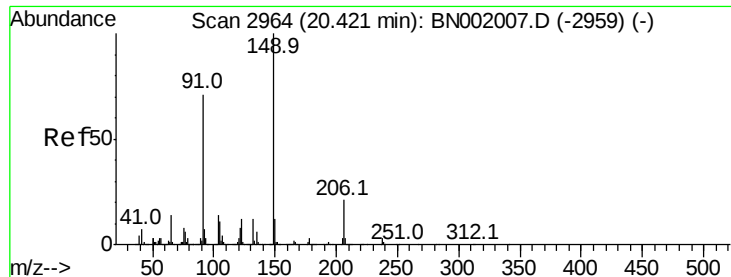


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#78

Butylbenzylphthalate

Concen: 3.582 ng/ul

RT: 20.43 min Scan# 2965

Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

Instrument :

BNA_N

ClientSampleId :

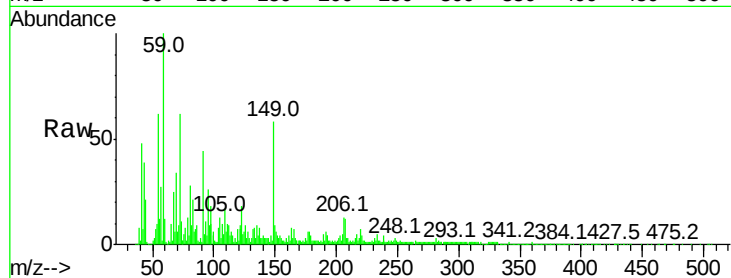
Tot Ion:149 Resp: 241668

Ion Ratio Lower Upper

149 100

91 76.6 53.4 80.0

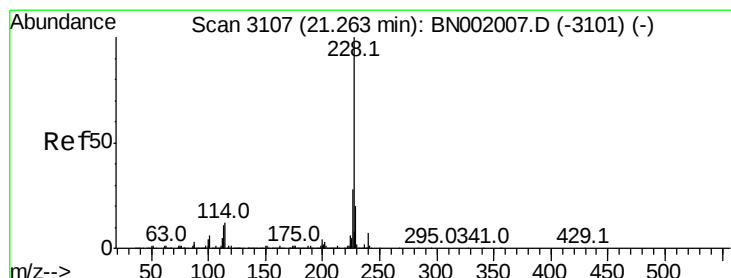
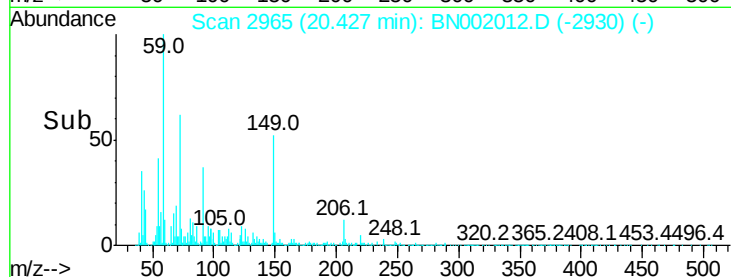
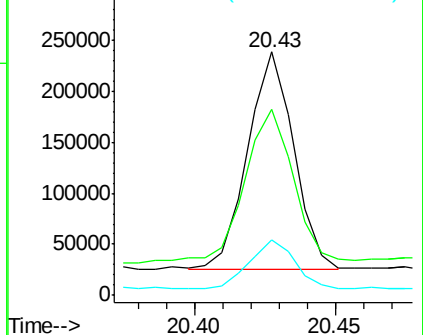
206 22.7 19.3 28.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BNA

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 5.332 ng/ul

RT: 21.27 min Scan# 3108

Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

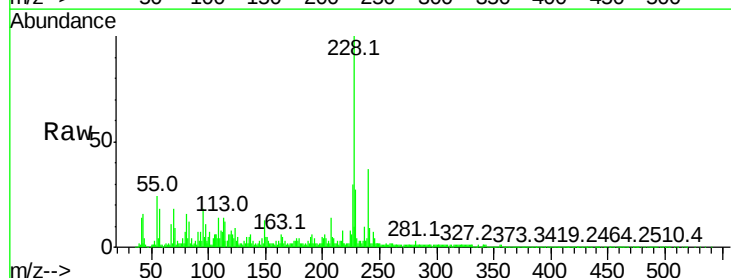
Tgt Ion:228 Resp: 851421

Ion Ratio Lower Upper

228 100

229 27.1 16.0 24.0#

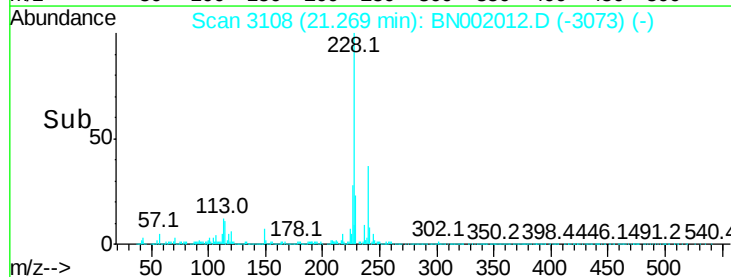
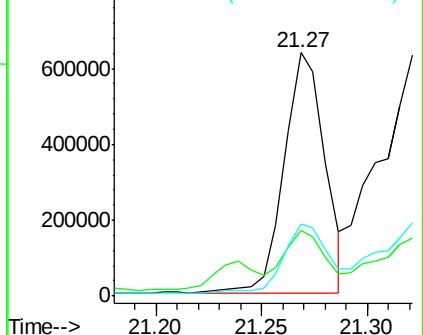
226 29.5 21.8 32.8

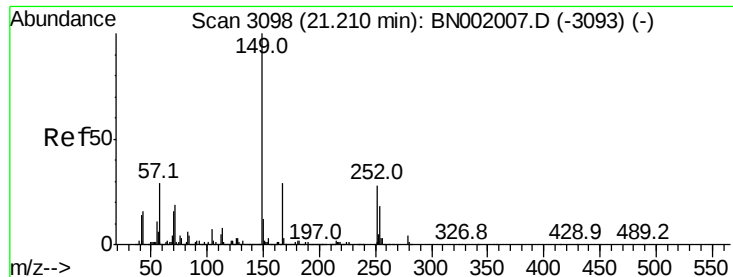


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 90.438 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

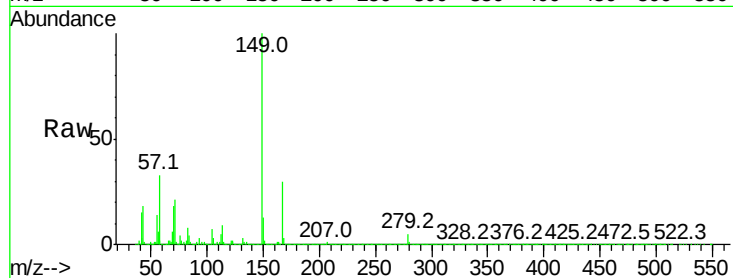
Instrument :

BNA_N

ClientSampled :

Tot Ion:149 Resp: 9100025

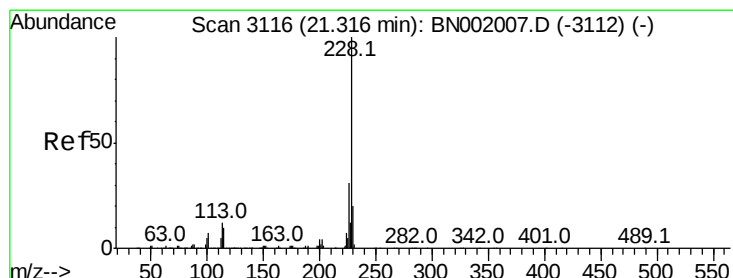
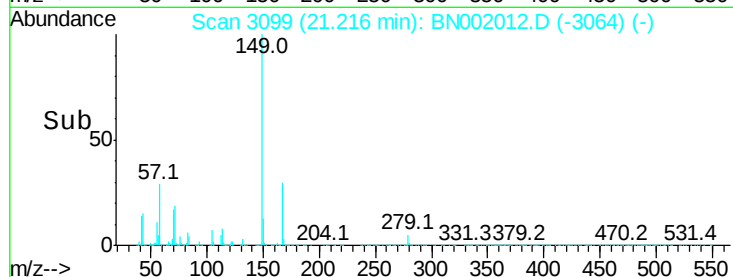
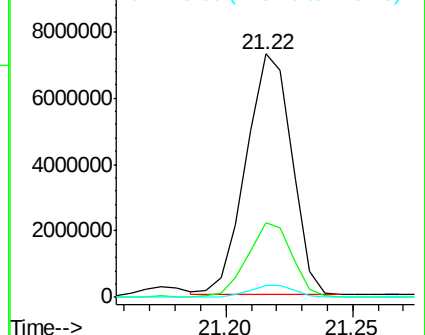
Ion	Ratio	Lower	Upper
149	100		
167	30.5	23.0	34.6
279	4.7	4.3	6.5



Abundance Ion 149.00 (148.70 to 149.70): E

1e+07 Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 7.418 ng/ul

RT: 21.32 min Scan# 3117

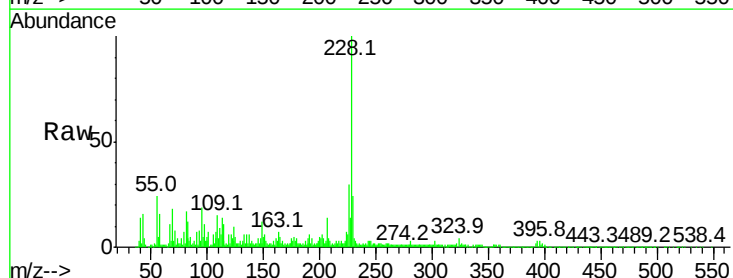
Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

Tgt Ion:228 Resp: 1102174

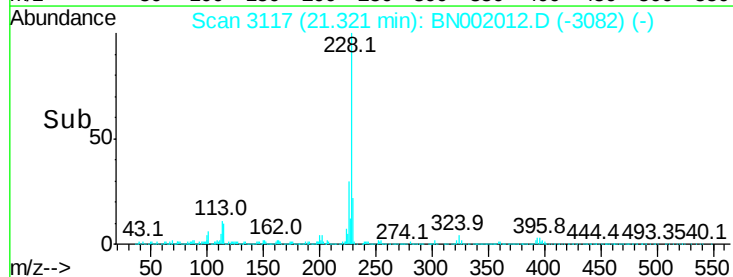
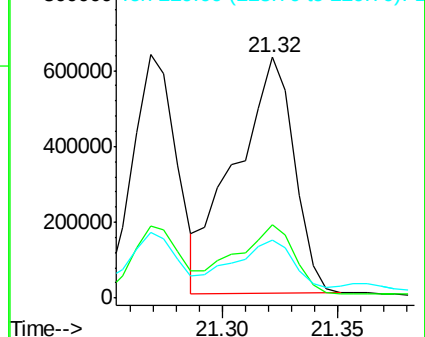
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.1	36.1
229	24.3	16.0	24.0

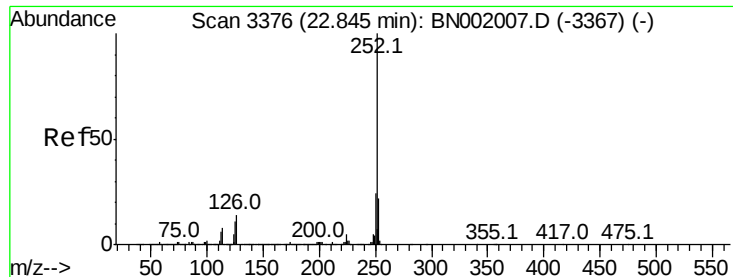


Abundance Ion 228.00 (227.70 to 228.70): E

800000 Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 9.187 ng/ul

RT: 22.86 min Scan# 3378

Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

Instrument :

BNA_N

ClientSampleId :

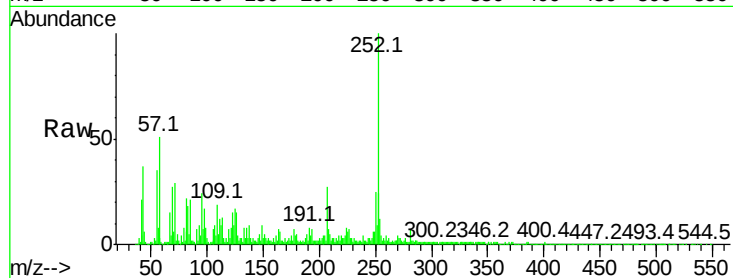
Tot Ion:252 Resp: 1271640

Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.0

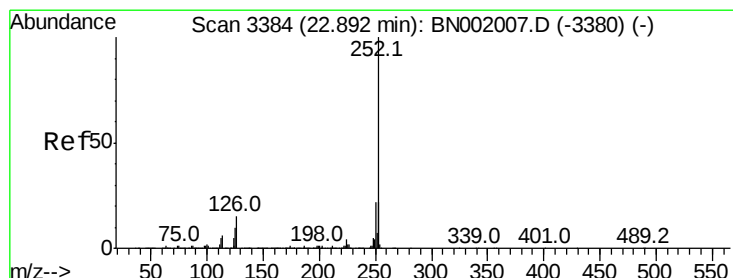
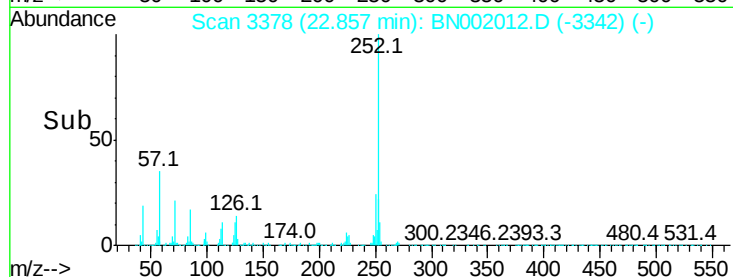
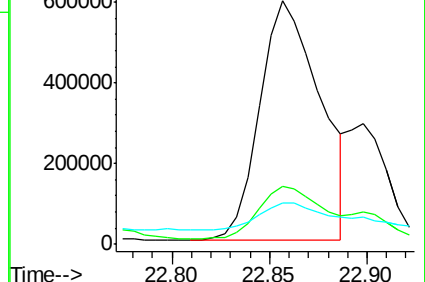
125 17.2 4.9 7.3#



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: 9.474 ng/ul

RT: 22.86 min Scan# 3378

Delta R.T. -0.04 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

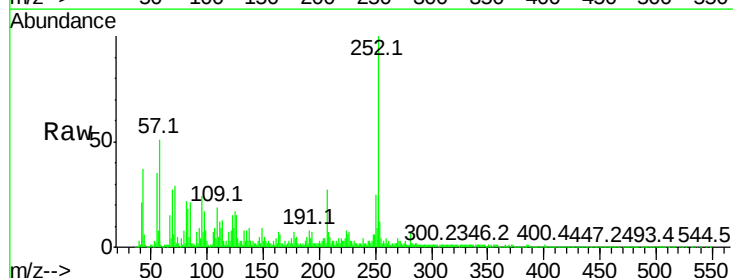
Tgt Ion:252 Resp: 1271640

Ion Ratio Lower Upper

252 100

253 23.8 17.1 25.7

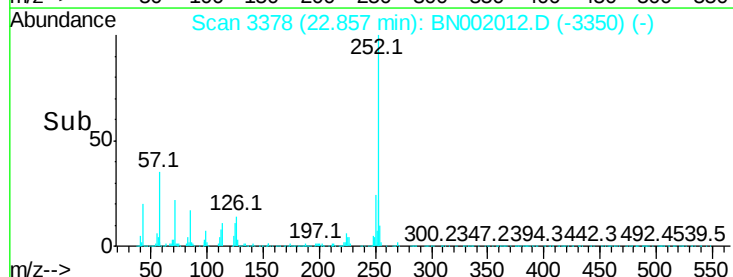
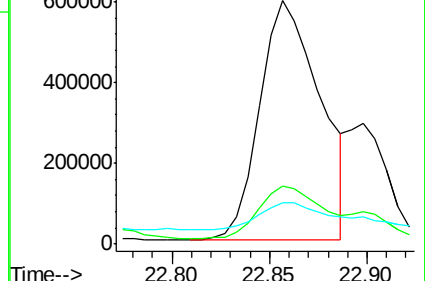
125 17.2 5.4 8.0#

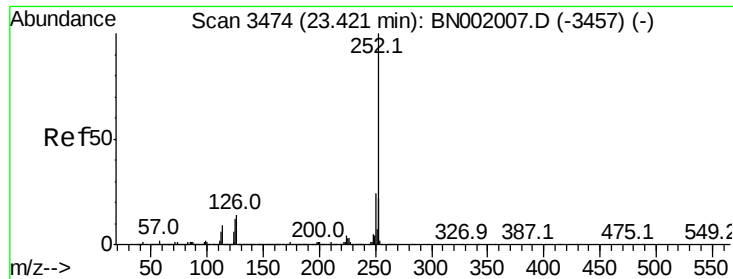


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 5.912 ng/ul

RT: 23.43 min Scan# 3476

Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

Instrument :

BNA_N

ClientSampled :

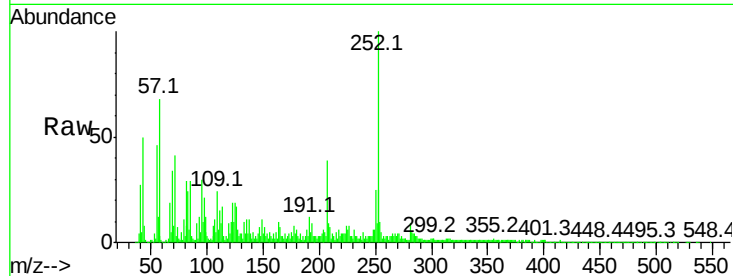
Tot Ion:252 Resp: 764713

Ion Ratio Lower Upper

252 100

253 25.5 17.2 25.8

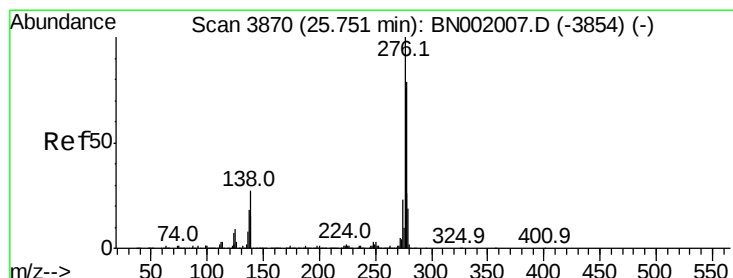
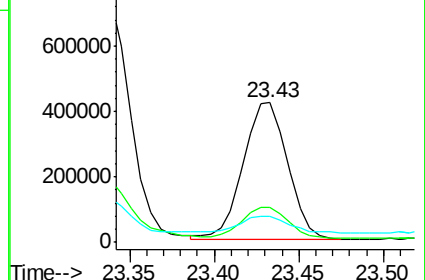
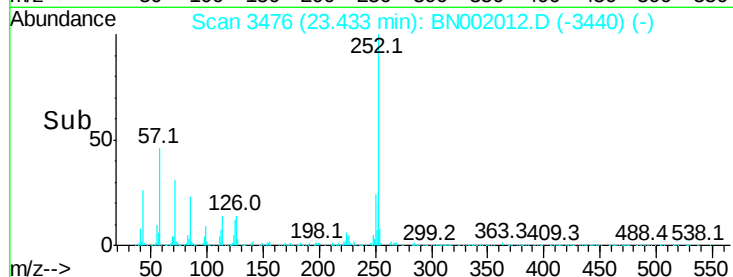
125 18.9 5.8 8.6#



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 4.693 ng/ul

RT: 25.76 min Scan# 3872

Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

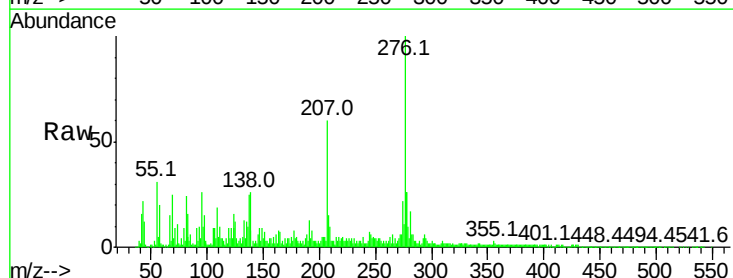
Tgt Ion:276 Resp: 645904

Ion Ratio Lower Upper

276 100

138 26.1 10.9 16.3#

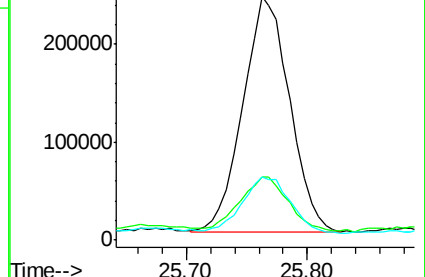
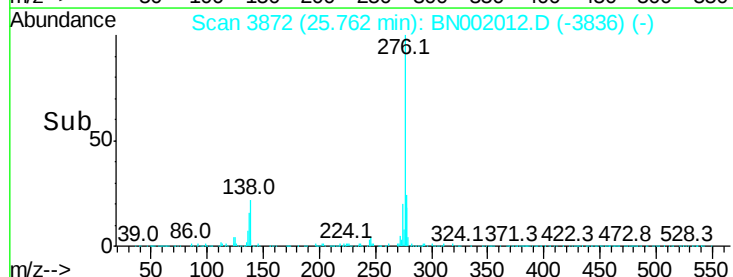
277 26.0 18.9 28.3

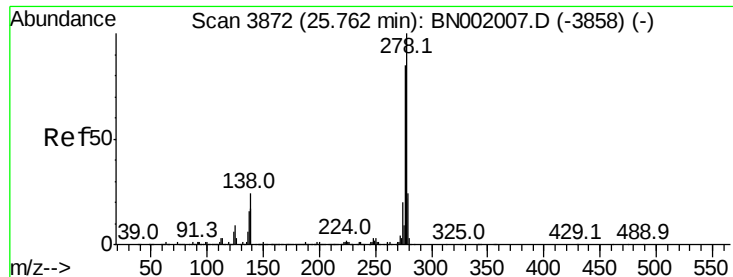


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 1.702 ng/ul

RT: 25.76 min Scan# 3872

Delta R.T. 0.00 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

Instrument :

BNA_N

ClientSampleId :

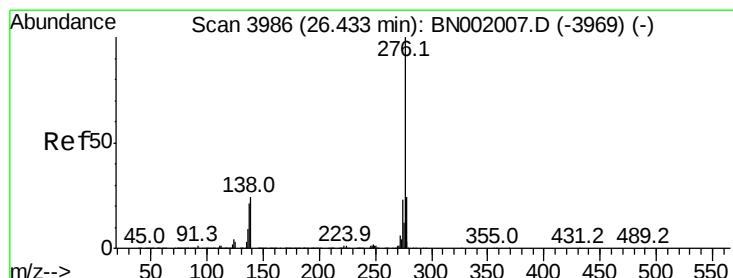
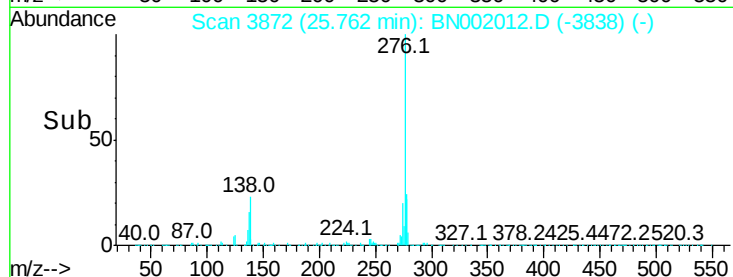
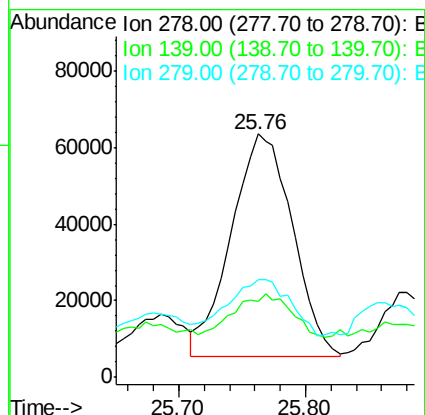
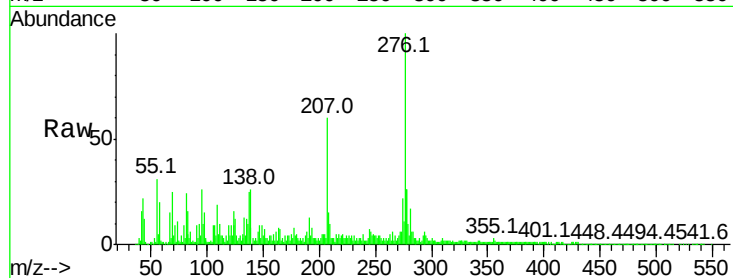
Tot Ion:278 Resp: 195009

Ion Ratio Lower Upper

278 100

139 31.3 9.0 13.4#

279 40.0 19.1 28.7#



#91

Benzo(g,h,i)perylene

Concen: 9.845 ng/ul

RT: 26.45 min Scan# 3989

Delta R.T. 0.02 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

Tgt Ion:276 Resp: 1117793

Ion Ratio Lower Upper

276 100

138 24.6 11.2 16.8#

277 26.3 19.0 28.6

