

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071118\
 Data File : BN002013.D
 Acq On : 11 Jul 2018 16:36
 Operator : JU/SJ
 Sample : J3775-15MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 11 22:43:13 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	578586	20.00	ng/ul	0.00
18) Naphthalene-d8	10.49	136	2646377	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	1528778	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	3268306	20.00	ng/ul	0.00
75) Chrysene-d12	21.29	240	2474864	20.00	ng/ul	0.00
83) Perylene-d12	23.53	264	2156308	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	79786	5.99	ng/uL	0.00
5) Phenol-d5	6.89	99	1969569	37.62	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.05	67	1212433	37.53	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	1597505	38.48	ng/ul	0.01
13) 4-Methylphenol-d8	8.42	113	1513357	36.08	ng/ul	0.01
19) Nitrobenzene-d5	8.86	128	822384	41.84	ng/ul	0.00
22) 2-Nitrophenol-d4	9.58	143	948922	46.65	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.11	165	1644623	37.87	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	872802	19.41	ng/ul	0.00
43) Dimethylphthalate-d6	13.76	166	4904792	37.99	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	6277245	39.38	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	811454	34.12	ng/ul	0.01
57) Fluorene-d10	15.34	176	4333419	38.30	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	647097	36.35	ng/ul	0.00
70) Anthracene-d10	17.19	188	6373404	40.36	ng/ul	0.00
76) Pyrene-d10	19.49	212	6263798	50.21	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.39	264	4722506	40.27	ng/ul	0.02

Target Compounds

					Ovalue
6) Phenol	6.92	94	2168560	41.069	ng/ul 99
10) 2-Chlorophenol	7.28	128	1627853	38.740	ng/ul 98
15) N-Nitroso-di-n-propylamine	8.52	70	1367135	41.153	ng/ul 93
33) 4-Chloro-3-methylphenol	11.78	107	1885245	40.542	ng/ul 97
44) Dimethylphthalate	13.80	163	1428857	11.261	ng/ul 98
49) Acenaphthene	14.40	153	4315560	40.440	ng/ul 98
52) 4-Nitrophenol	14.57	109	640373	36.210	ng/ul# 70
54) 2,4-Dinitrotoluene	14.72	165	1590039	44.637	ng/ul 94
68) Pentachlorophenol	16.75	266	904424	40.903	ng/ul 99
69) Phenanthrene	17.13	178	407884	2.215	ng/ul 98
73) Di-n-butylphthalate	18.06	149	649971	3.297	ng/ul 100
74) Fluoranthene	19.15	202	1106155	5.716	ng/ul# 90
77) Pyrene	19.52	202	8842346	57.093	ng/ul# 85
78) Butylbenzylphthalate	20.43	149	428652	6.486	ng/ul 90
80) Benzo(a)anthracene	21.27	228	527907	3.375	ng/ul# 91
81) Bis(2-ethylhexyl)phthalate	21.22	149	2358603	23.933	ng/ul 98
82) Chrysene	21.32	228	681036	4.680	ng/ul# 95
85) Benzo(b)fluoranthene	22.86	252	977982	7.181	ng/ul# 84
86) Benzo(k)fluoranthene	22.86	252	977982	7.405	ng/ul# 84
88) Benzo(a)pyrene	23.43	252	553401	4.348	ng/ul# 83
89) Indeno(1,2,3-cd)pyrene	25.77	276	497268	3.672	ng/ul# 83
90) Dibenzo(a,h)anthracene	25.77	278	129902	1.153	ng/ul# 57
91) Benzo(g,h,i)perylene	26.46	276	603975	5.407	ng/ul# 87

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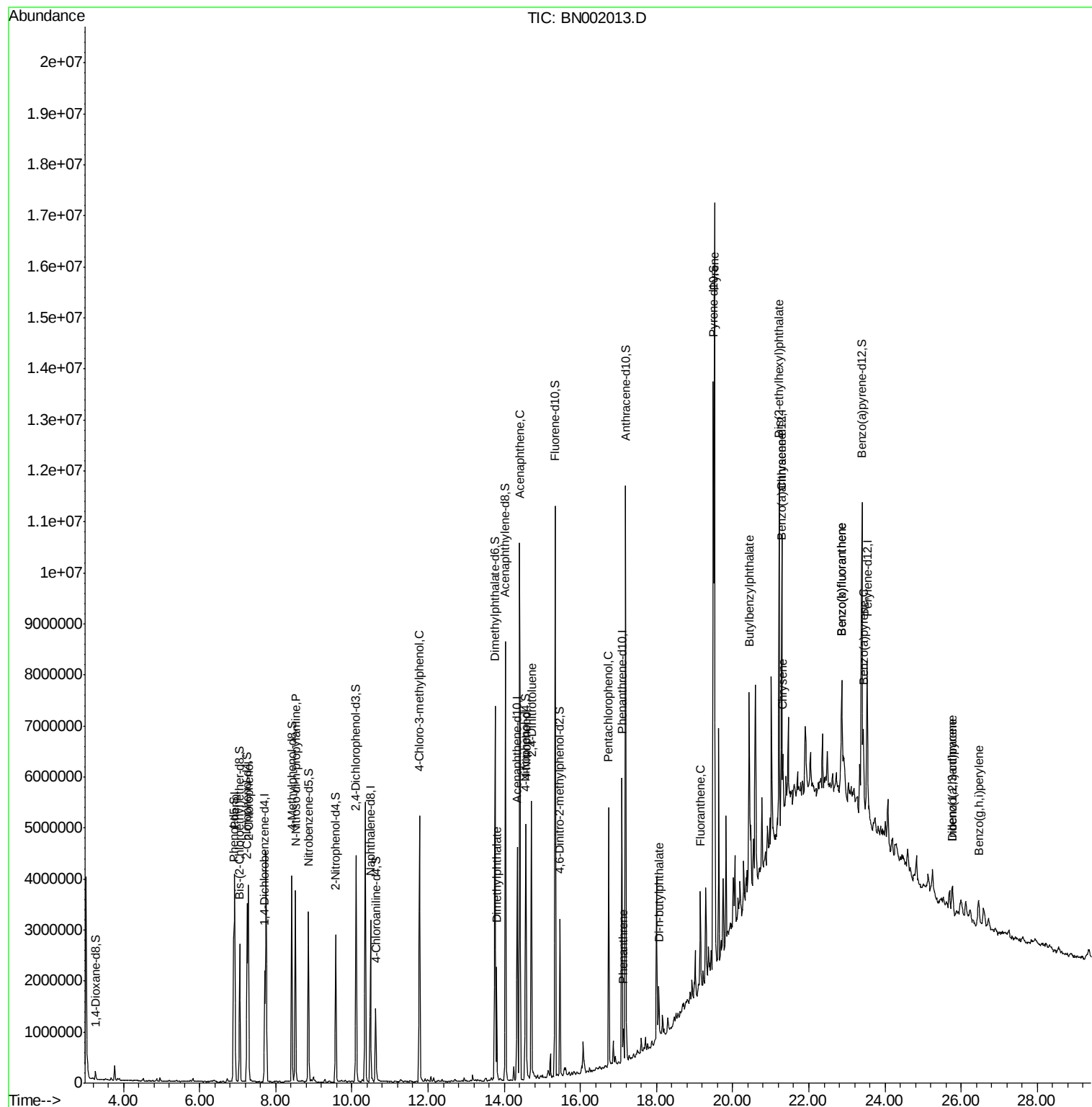
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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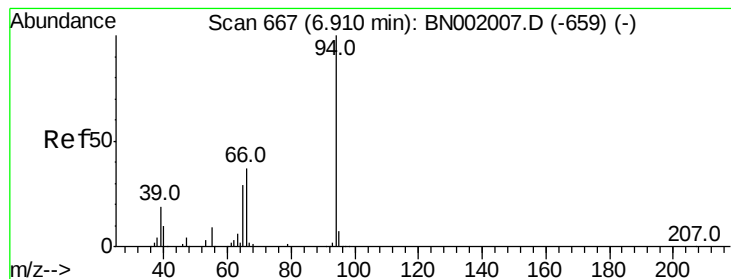
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_N
ClientSampled :

Quant Time: Jul 11 22:43:13 2018
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 11 22:41:21 2018
Response via : Initial Calibration





#6

Phenol

Concen: 41.069 ng/ul

RT: 6.92 min Scan# 669

Delta R.T. 0.01 min

Lab File: BN002013.D

Acq: 11 Jul 2018 16:36

Instrument :

BNA_N

ClientSampleId :

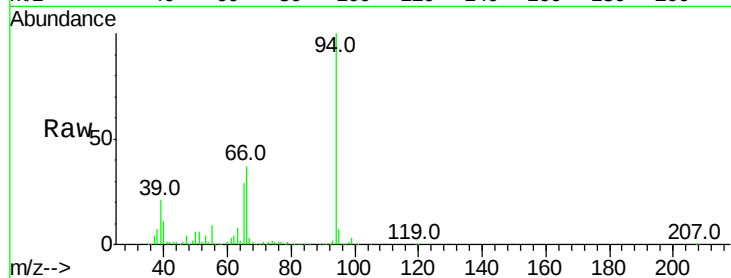
Tot Ion: 94 Resp: 2168560

Ion Ratio Lower Upper

94 100

65 29.2 23.0 34.6

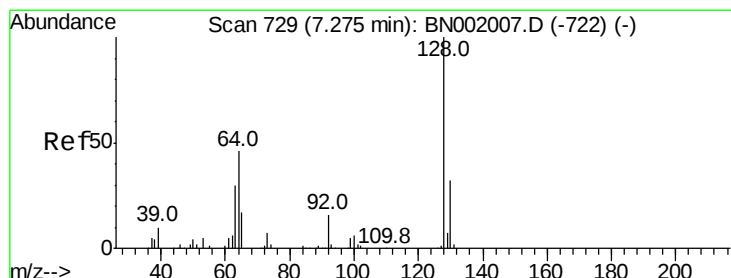
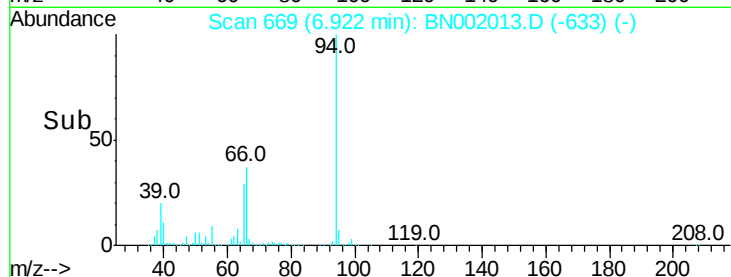
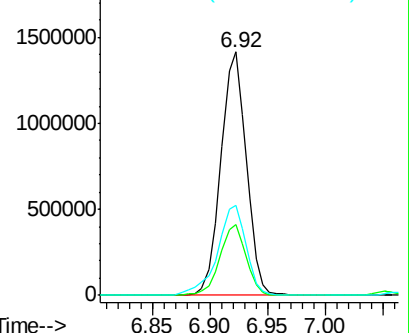
66 36.8 30.4 45.6



Abundance Ion 94.00 (93.70 to 94.70): BN002007.D (-659) (-)

Ion 65.00 (64.70 to 65.70): BN002007.D (-659) (-)

Ion 66.00 (65.70 to 66.70): BN002007.D (-659) (-)



#10

2-Chlorophenol

Concen: 38.740 ng/ul

RT: 7.28 min Scan# 730

Delta R.T. 0.01 min

Lab File: BN002013.D

Acq: 11 Jul 2018 16:36

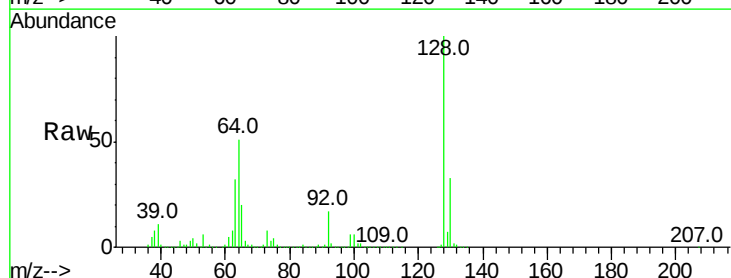
Tgt Ion:128 Resp: 1627853

Ion Ratio Lower Upper

128 100

64 51.3 39.8 59.6

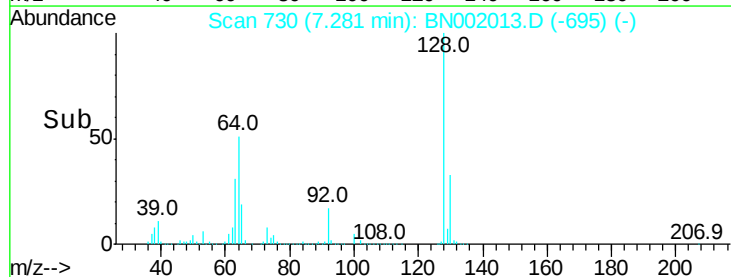
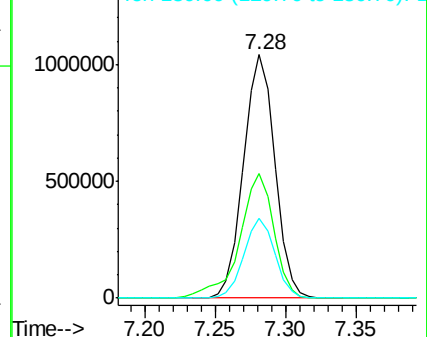
130 32.6 25.8 38.8

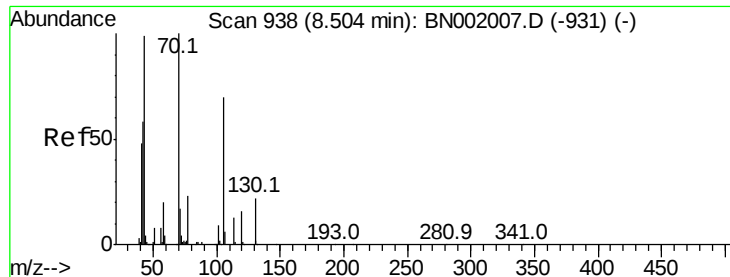


Abundance Ion 128.00 (127.70 to 128.70): BN002007.D (-722) (-)

Ion 64.00 (63.70 to 64.70): BN002007.D (-722) (-)

Ion 130.00 (129.70 to 130.70): BN002007.D (-722) (-)





#15

N-Nitroso-di-n-propylamine

Concen: 41.153 ng/ul

RT: 8.52 min Scan# 940

Delta R.T. 0.01 min

Lab File: BN002013.D

Acq: 11 Jul 2018 16:36

Instrument :

BNA_N

ClientSampleId :

Tot Ion: 70 Resp: 1367135

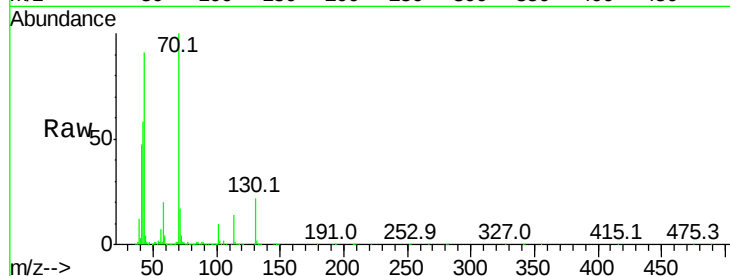
Ion	Ratio	Lower	Upper
70	100		
42	58.0	40.2	60.4
101	10.0	7.7	11.5
130	22.1	17.8	26.6

70 100

42 58.0 40.2 60.4

101 10.0 7.7 11.5

130 22.1 17.8 26.6

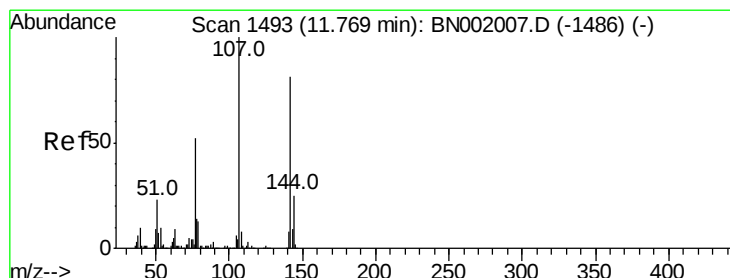
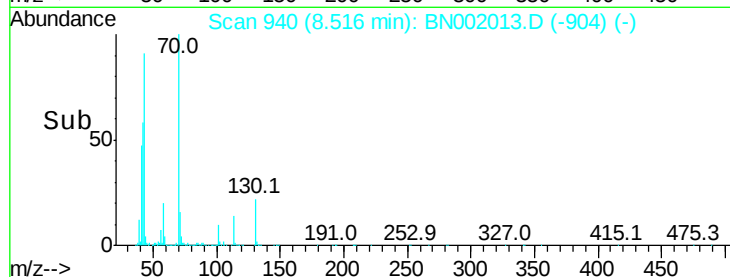
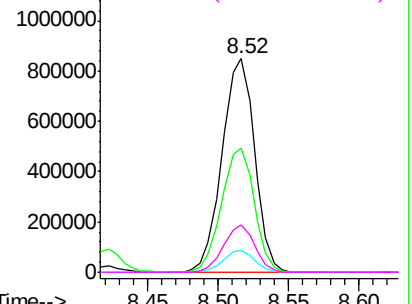


Abundance Ion 70.00 (69.70 to 70.70): BN0

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: 40.542 ng/ul

RT: 11.78 min Scan# 1494

Delta R.T. 0.01 min

Lab File: BN002013.D

Acq: 11 Jul 2018 16:36

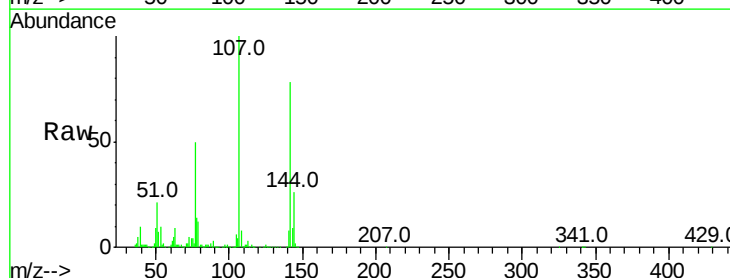
Tgt Ion: 107 Resp: 1885245

Ion	Ratio	Lower	Upper
107	100		
144	25.8	21.1	31.7
142	78.5	60.1	90.1

107 100

144 25.8 21.1 31.7

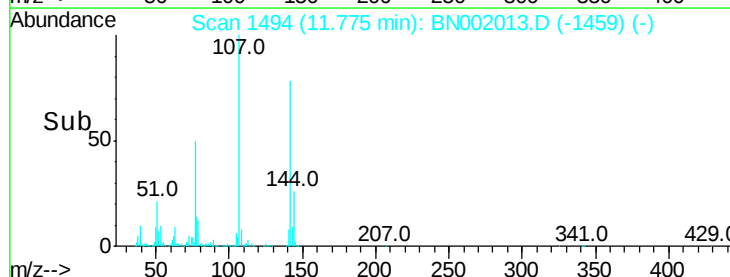
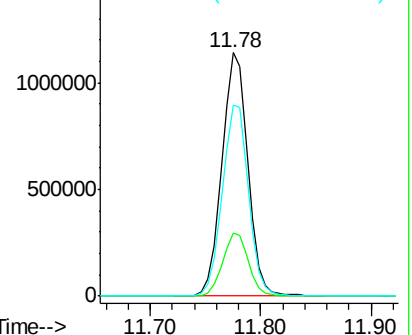
142 78.5 60.1 90.1

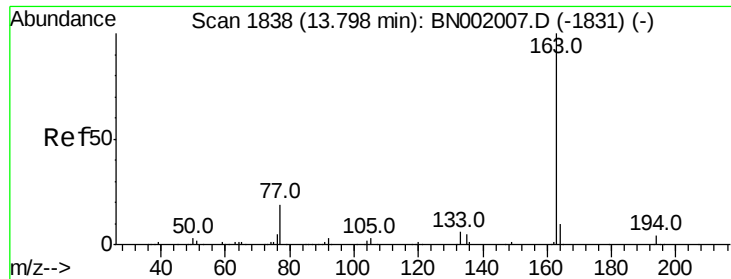


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#44

Dimethylphthalate

Concen: 11.261 ng/ul

RT: 13.80 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BN002013.D

Acq: 11 Jul 2018 16:36

Instrument :

BNA_N

ClientSampled :

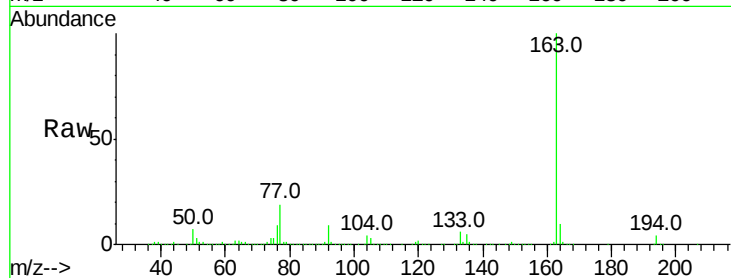
Tot Ion:163 Resp: 1428857

Ion Ratio Lower Upper

163 100

194 4.2 4.0 6.0

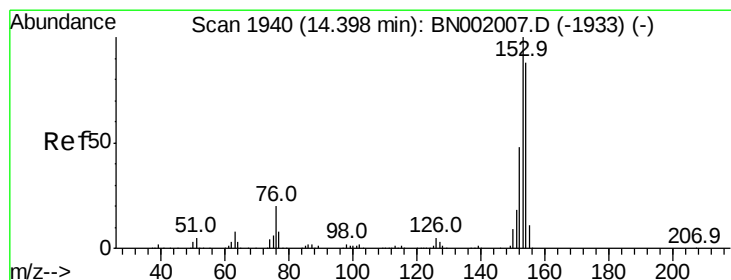
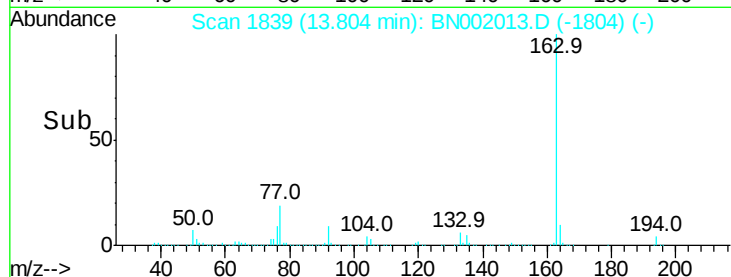
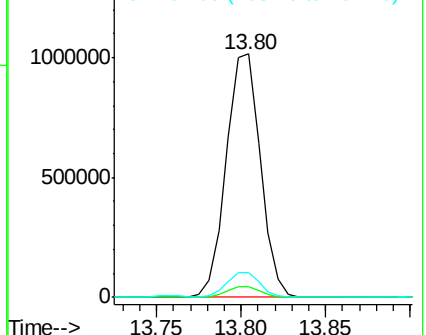
164 10.1 8.4 12.6



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: 40.440 ng/ul

RT: 14.40 min Scan# 1941

Delta R.T. 0.01 min

Lab File: BN002013.D

Acq: 11 Jul 2018 16:36

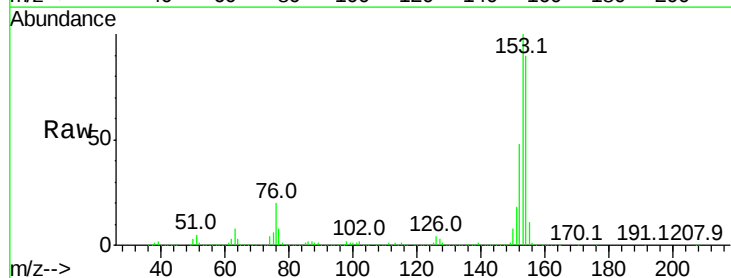
Tgt Ion:153 Resp: 4315560

Ion Ratio Lower Upper

153 100

152 47.8 37.9 56.9

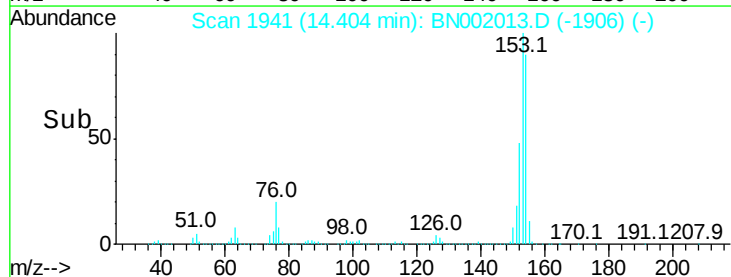
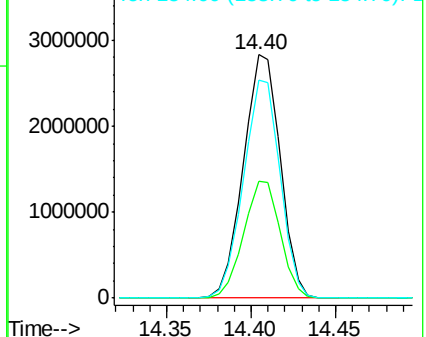
154 89.8 69.8 104.6

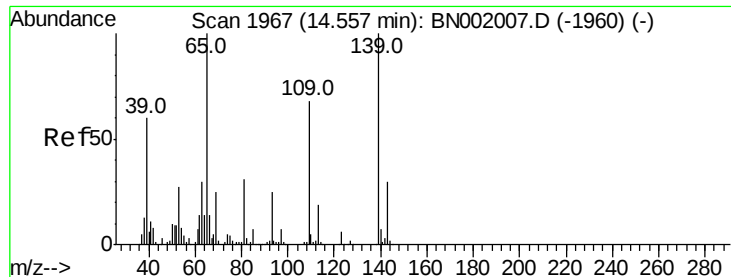


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 36.210 ng/ul

RT: 14.57 min Scan# 1970

Delta R.T. 0.02 min

Lab File: BN002013.D

Acq: 11 Jul 2018 16:36

Instrument :

BNA_N

ClientSampleId :

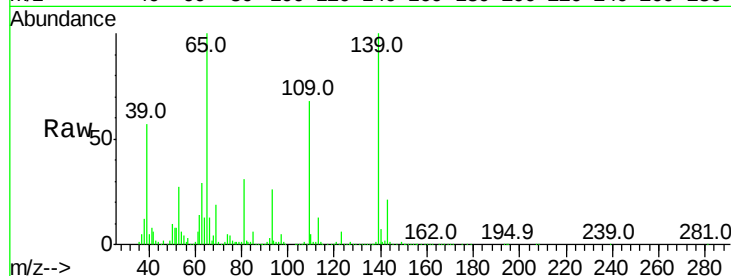
Tot Ion:109 Resp: 640373

Ion Ratio Lower Upper

109 100

139 147.4 91.2 136.8#

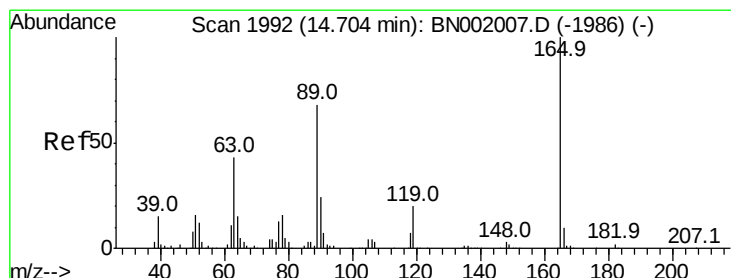
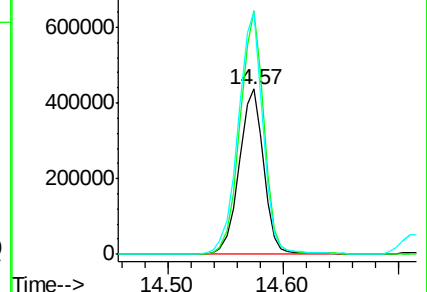
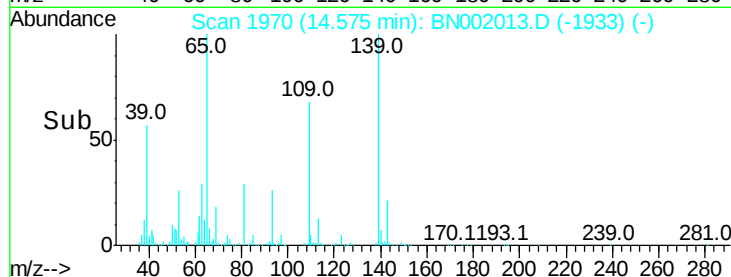
65 146.9 92.6 139.0#



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: 44.637 ng/ul

RT: 14.72 min Scan# 1994

Delta R.T. 0.01 min

Lab File: BN002013.D

Acq: 11 Jul 2018 16:36

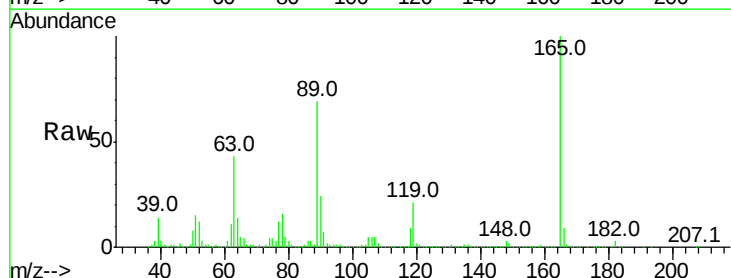
Tgt Ion:165 Resp: 1590039

Ion Ratio Lower Upper

165 100

63 42.9 31.4 47.0

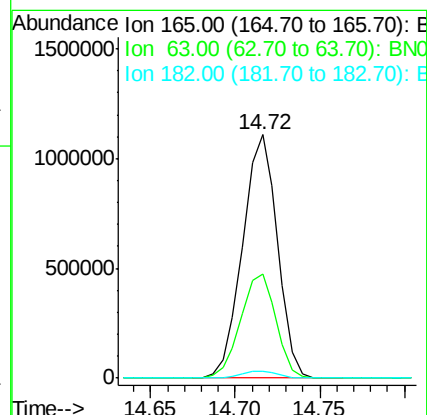
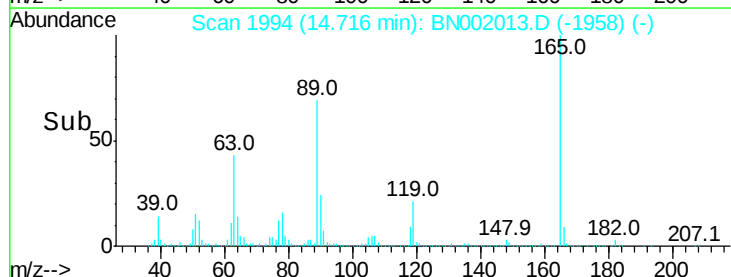
182 2.9 2.7 4.1

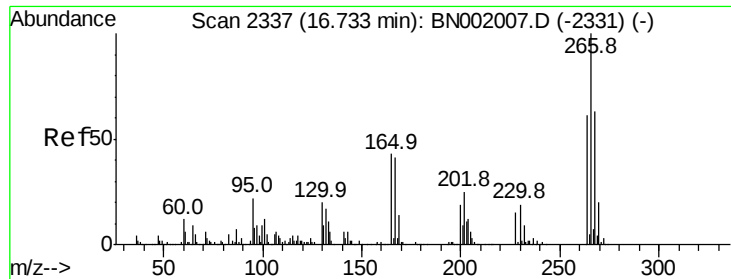


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 182.00 (181.70 to 182.70): E

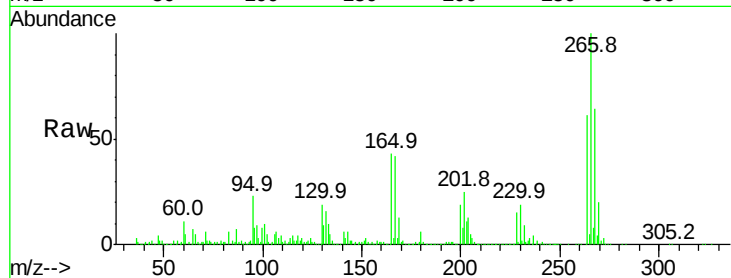




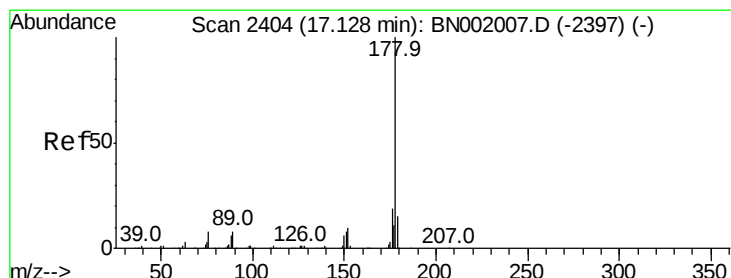
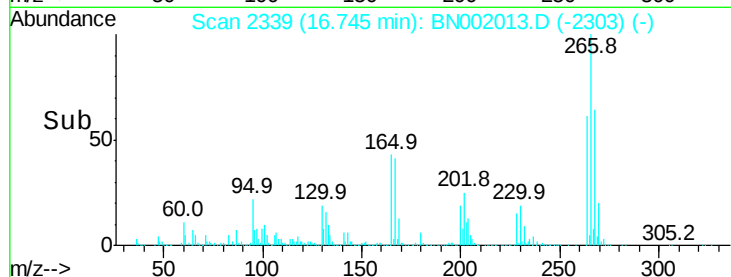
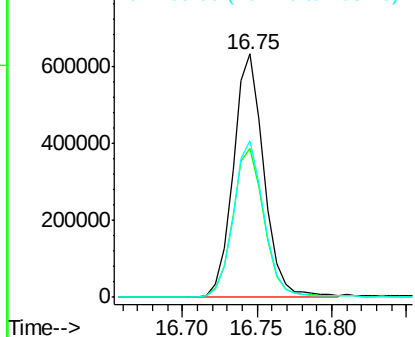
#68
 Pentachlorophenol
 Concen: 40.903 ng/ul
 RT: 16.75 min Scan# 2339
 Delta R.T. 0.01 min
 Lab File: BN002013.D
 Acq: 11 Jul 2018 16:36

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
266	100		
264	61.0	48.2	72.4
268	64.3	52.3	78.5

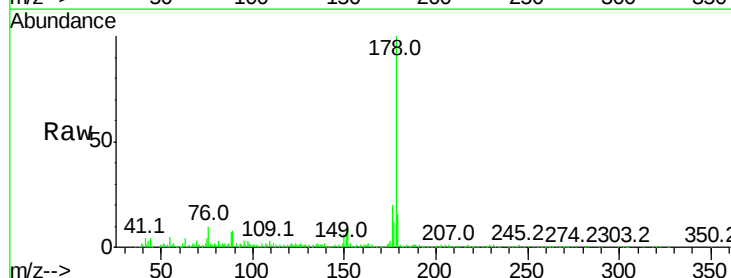


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

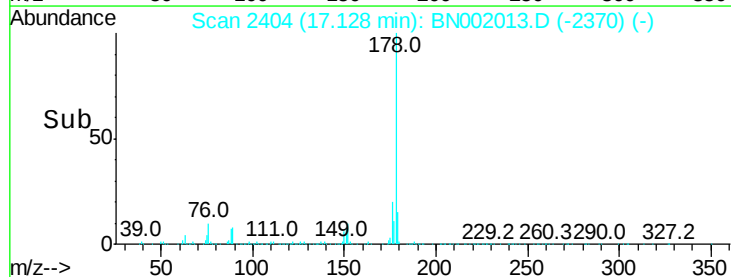
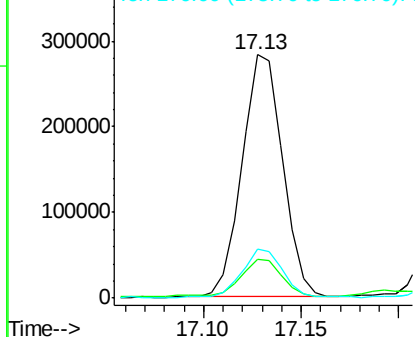


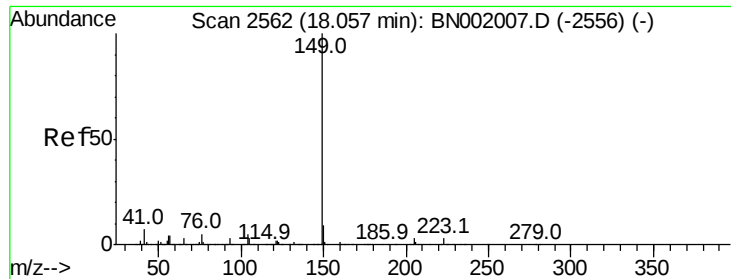
#69
 Phenanthrene
 Concen: 2.215 ng/ul
 RT: 17.13 min Scan# 2404
 Delta R.T. 0.00 min
 Lab File: BN002013.D
 Acq: 11 Jul 2018 16:36

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.3	18.5
176	20.2	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: 3.297 ng/ul

RT: 18.06 min Scan# 2563

Delta R.T. 0.01 min

Lab File: BN002013.D

Acq: 11 Jul 2018 16:36

Instrument :

BNA_N

ClientSampleId :

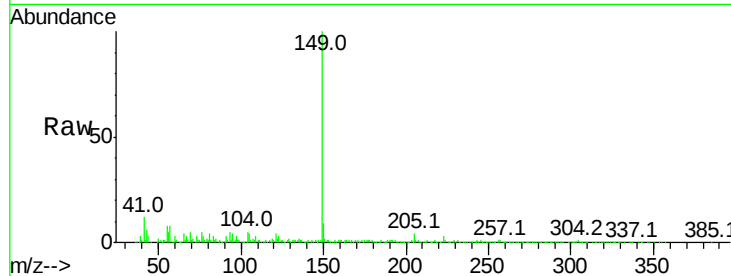
Tot Ion:149 Resp: 649971

Ion Ratio Lower Upper

149 100

150 9.4 7.5 11.3

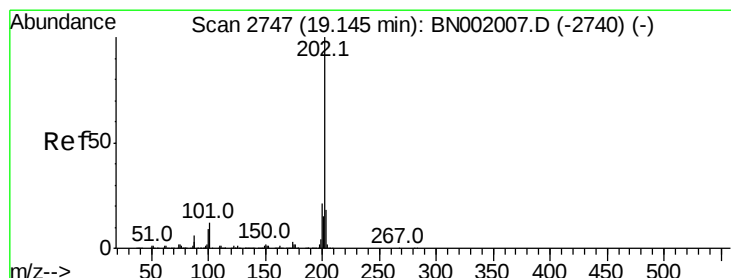
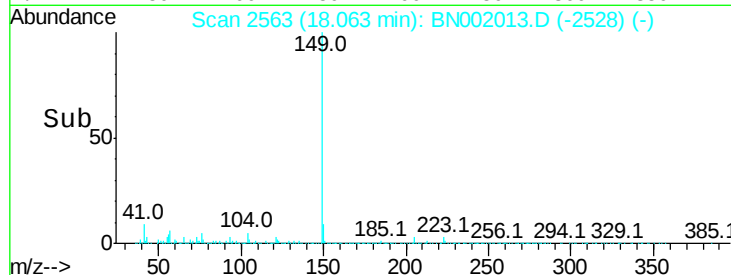
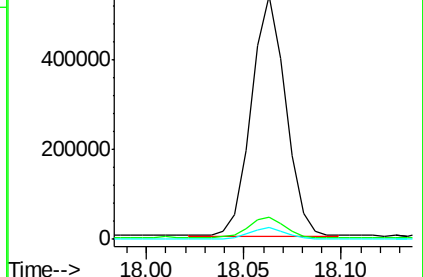
104 4.9 4.1 6.1



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: 5.716 ng/ul

RT: 19.15 min Scan# 2748

Delta R.T. 0.01 min

Lab File: BN002013.D

Acq: 11 Jul 2018 16:36

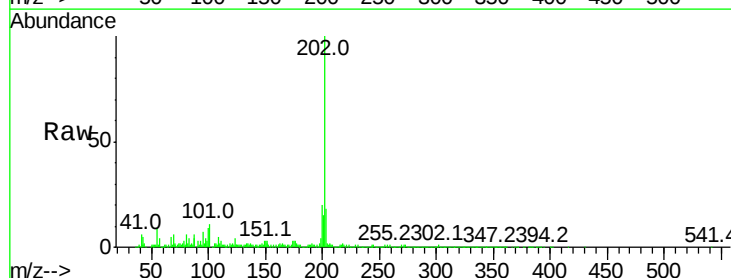
Tgt Ion:202 Resp: 1106155

Ion Ratio Lower Upper

202 100

101 11.4 6.1 9.1#

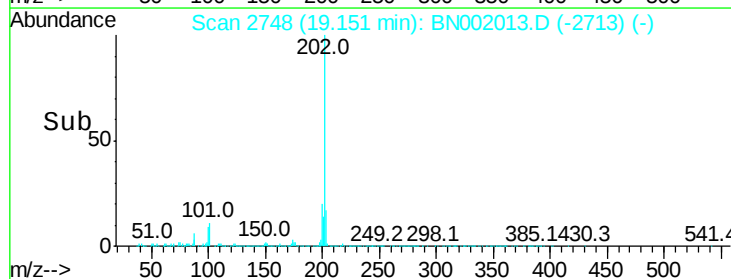
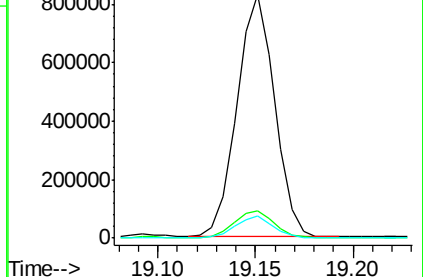
100 9.1 4.6 7.0#

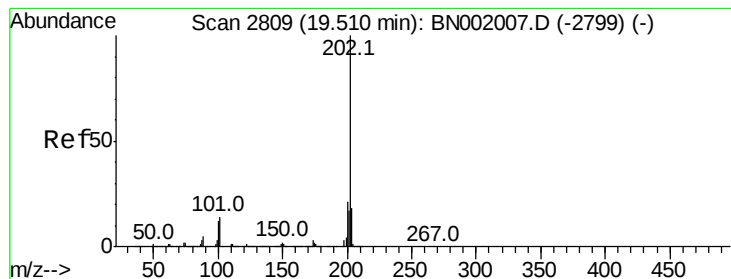


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pvrene

Concen: 57.093 ng/ul

RT: 19.52 min Scan# 2811

Delta R.T. 0.01 min

Lab File: BN002013.D

Acq: 11 Jul 2018 16:36

Instrument :

BNA_N

ClientSampleId :

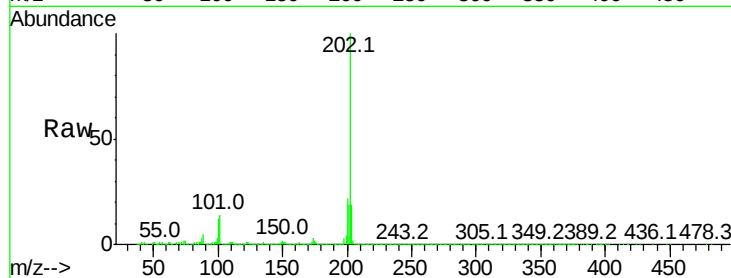
Tot Ion:202 Resp: 8842346

Ion Ratio Lower Upper

202 100

101 14.3 6.9 10.3#

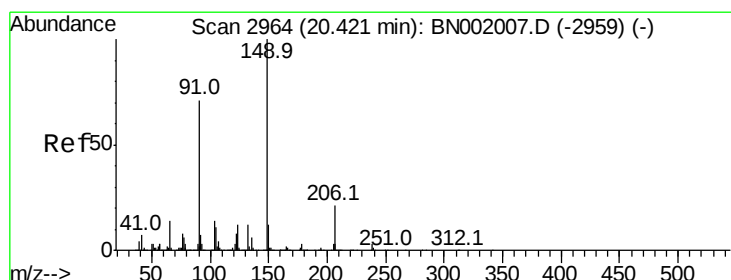
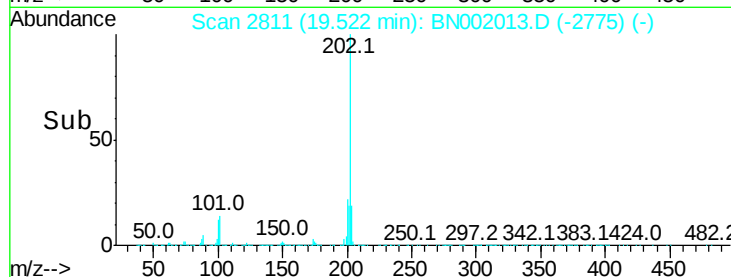
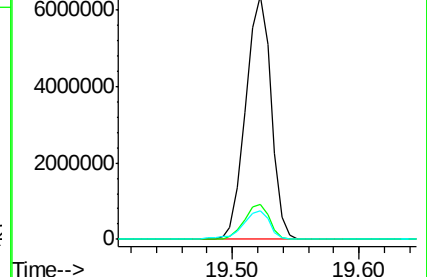
100 11.9 5.6 8.4#



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): E



#78

Butylbenzylphthalate

Concen: 6.486 ng/ul

RT: 20.43 min Scan# 2965

Delta R.T. 0.01 min

Lab File: BN002013.D

Acq: 11 Jul 2018 16:36

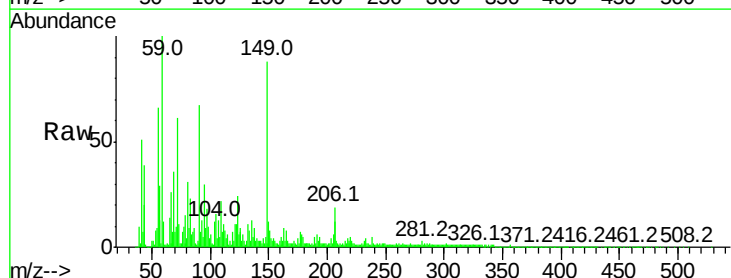
Tgt Ion:149 Resp: 428652

Ion Ratio Lower Upper

149 100

91 75.6 53.4 80.0

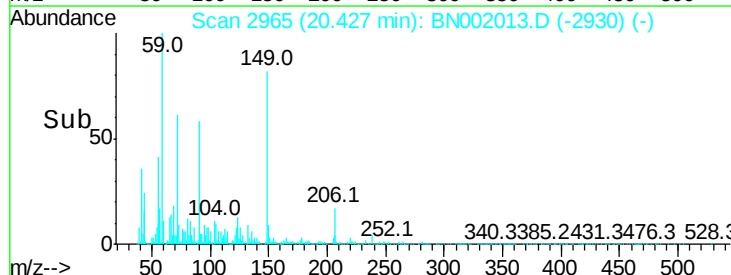
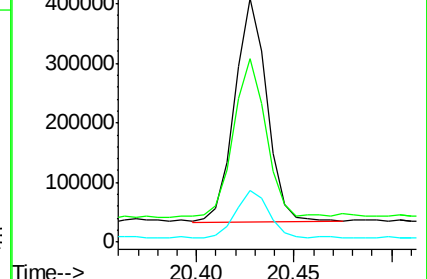
206 21.1 19.3 28.9

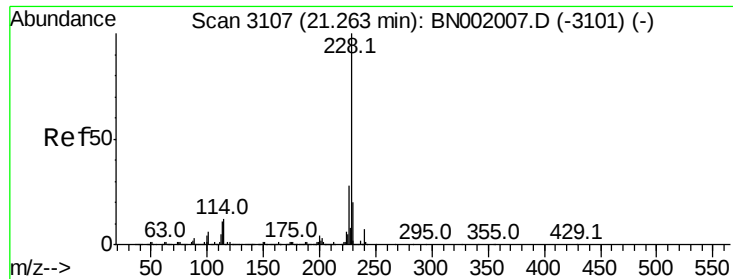


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): E

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 3.375 ng/ul

RT: 21.27 min Scan# 3109

Delta R.T. 0.01 min

Lab File: BN002013.D

Acq: 11 Jul 2018 16:36

Instrument :

BNA_N

ClientSampled :

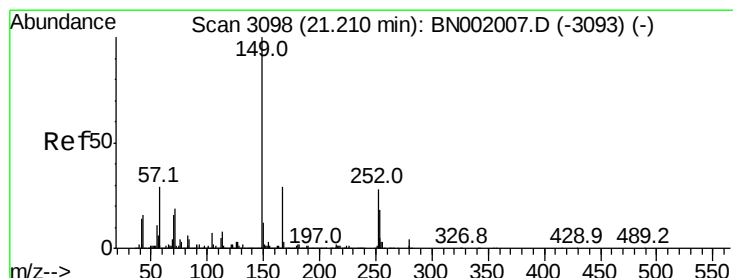
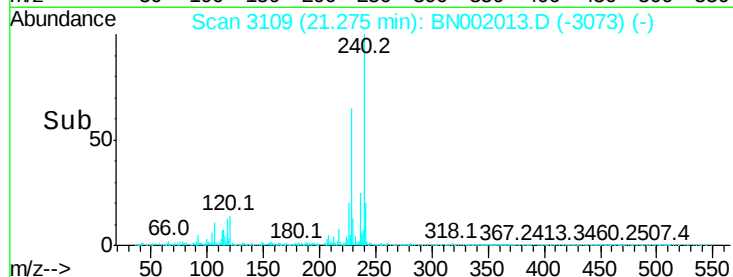
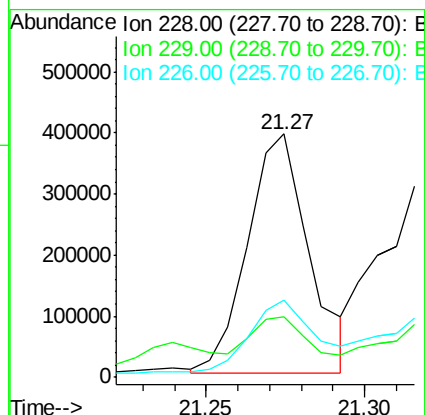
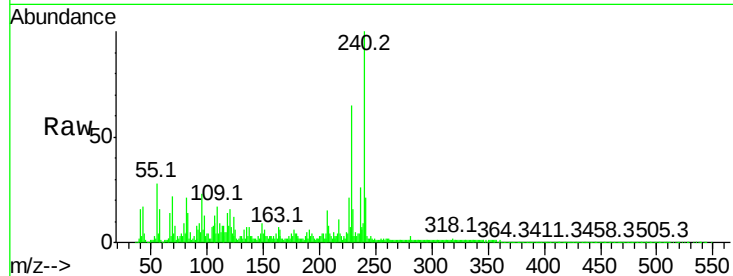
Tot Ion:228 Resp: 527907

Ion Ratio Lower Upper

228 100

229 24.8 16.0 24.0#

226 31.5 21.8 32.8



#81

Bis(2-ethylhexyl)phthalate

Concen: 23.933 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. 0.01 min

Lab File: BN002013.D

Acq: 11 Jul 2018 16:36

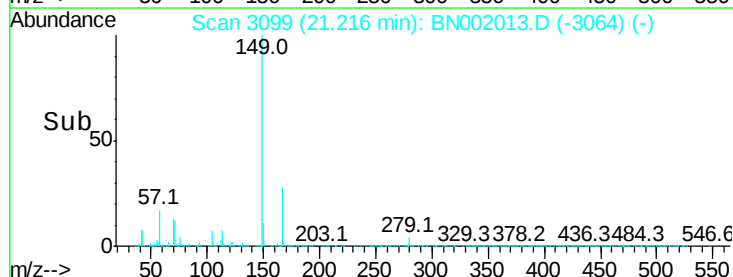
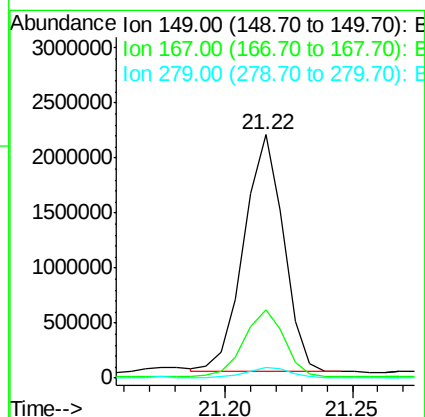
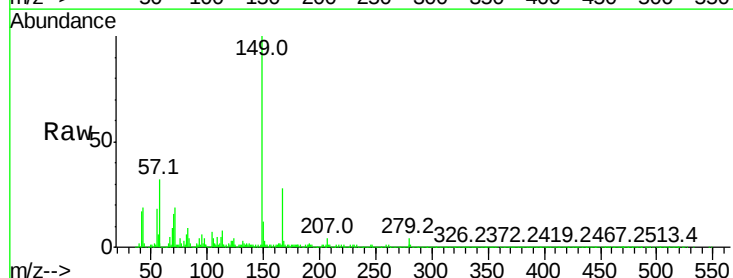
Tgt Ion:149 Resp: 2358603

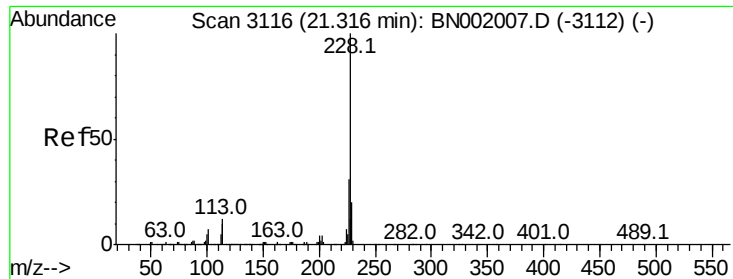
Ion Ratio Lower Upper

149 100

167 28.1 23.0 34.6

279 4.5 4.3 6.5





#82

Chrysene

Concen: 4.680 ng/ul

RT: 21.32 min Scan# 3117

Delta R.T. 0.01 min

Lab File: BN002013.D

Acq: 11 Jul 2018 16:36

Instrument :

BNA_N

ClientSampled :

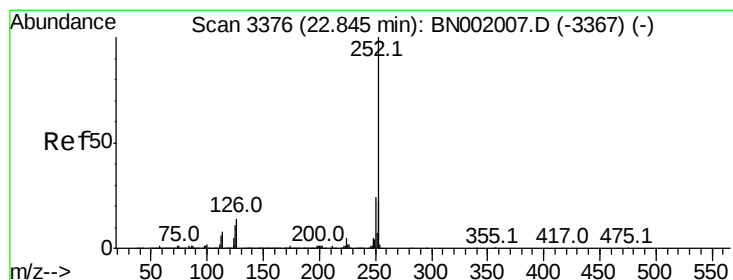
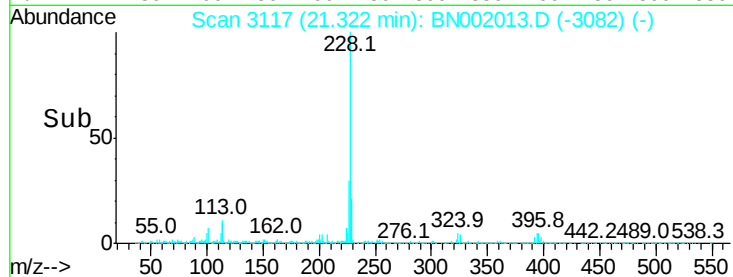
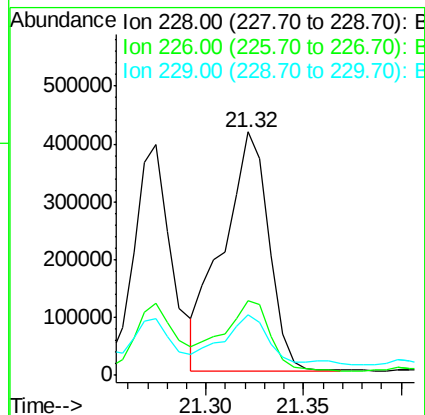
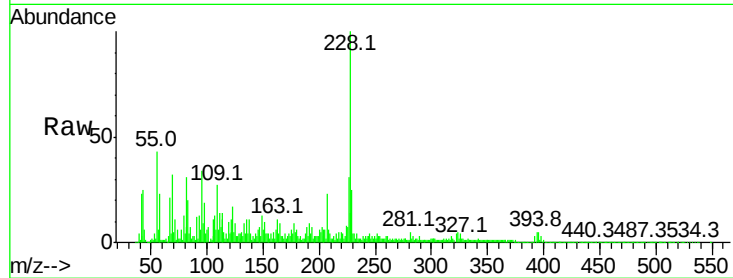
Tot Ion:228 Resp: 681036

Ion Ratio Lower Upper

228 100

226 30.8 24.1 36.1

229 24.8 16.0 24.0#



#85

Benzo(b)fluoranthene

Concen: 7.181 ng/ul

RT: 22.86 min Scan# 3379

Delta R.T. 0.02 min

Lab File: BN002013.D

Acq: 11 Jul 2018 16:36

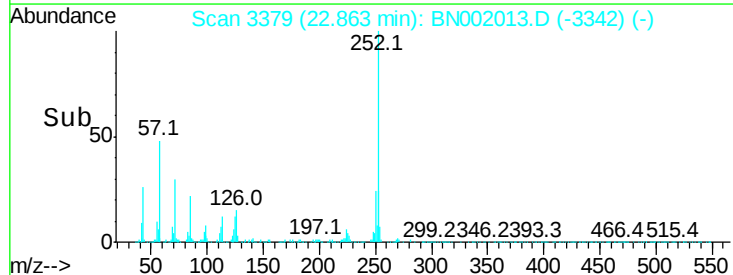
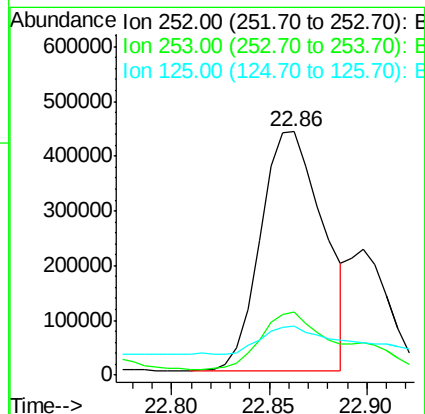
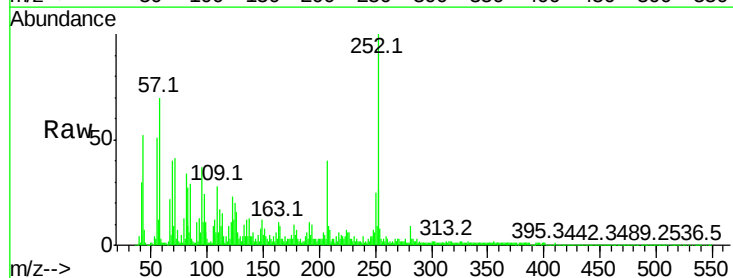
Tgt Ion:252 Resp: 977982

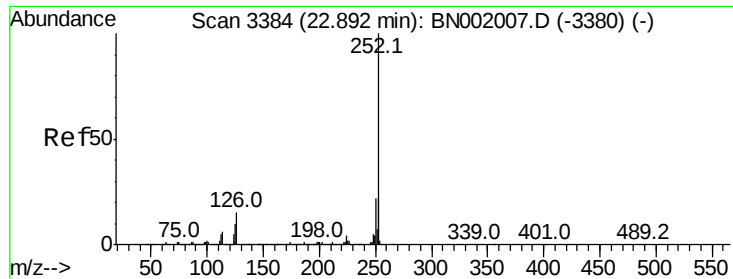
Ion Ratio Lower Upper

252 100

253 25.7 17.4 26.0

125 20.1 4.9 7.3#

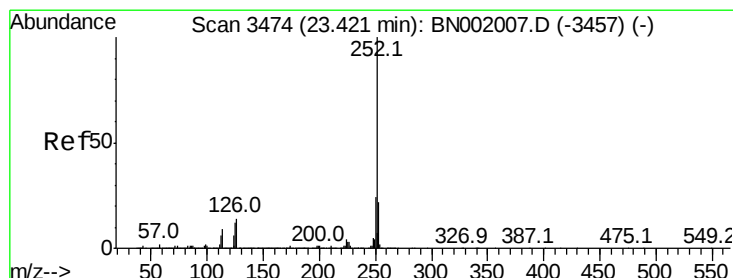
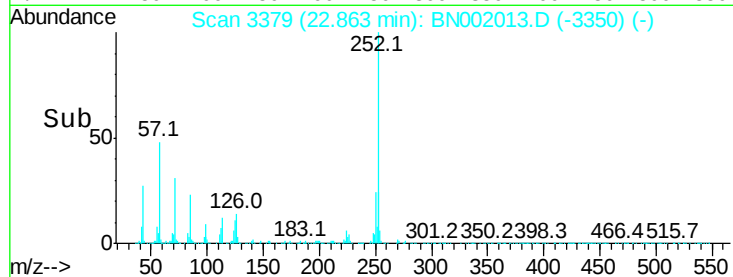
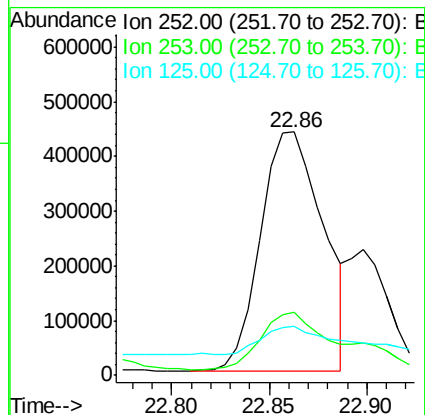
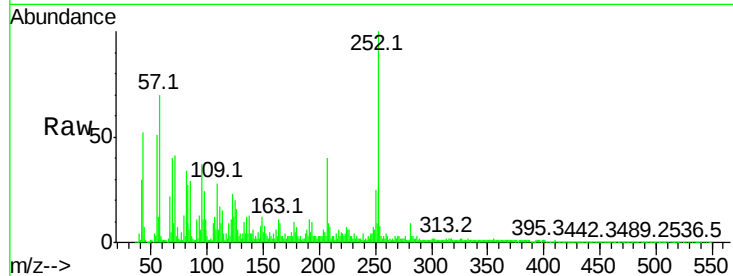




#86
Benzo(k)fluoranthene
Concen: 7.405 ng/ul
RT: 22.86 min Scan# 3379
Delta R.T. -0.03 min
Lab File: BN002013.D
Acq: 11 Jul 2018 16:36

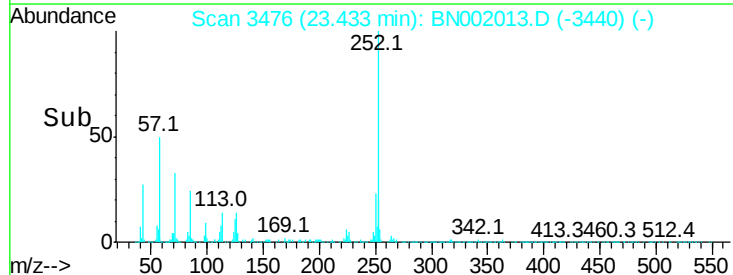
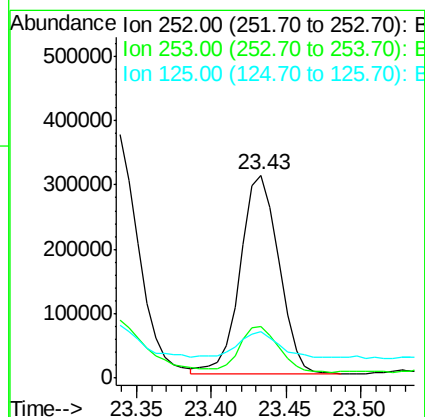
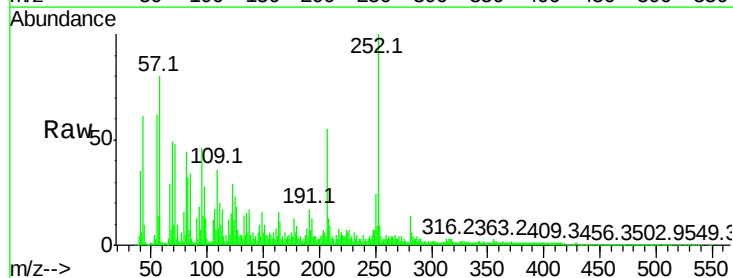
Instrument :
BNA_N
ClientSampleId :

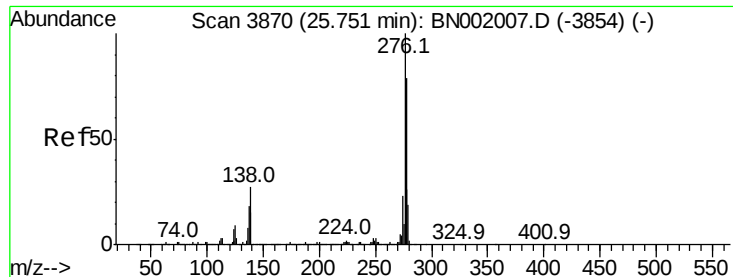
Tot Ion:252 Resp: 977982
Ion Ratio Lower Upper
252 100
253 25.7 17.1 25.7#
125 20.1 5.4 8.0#



#88
Benzo(a)pyrene
Concen: 4.348 ng/ul
RT: 23.43 min Scan# 3476
Delta R.T. 0.01 min
Lab File: BN002013.D
Acq: 11 Jul 2018 16:36

Tgt Ion:252 Resp: 553401
Ion Ratio Lower Upper
252 100
253 25.4 17.2 25.8
125 22.8 5.8 8.6#



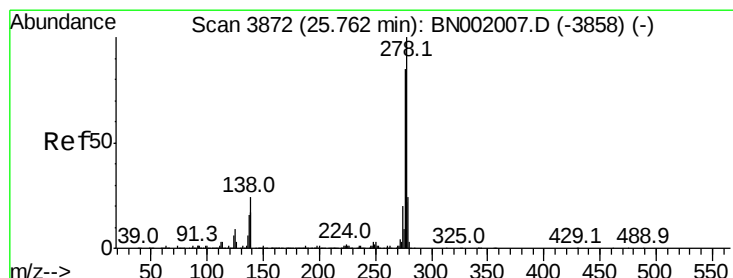
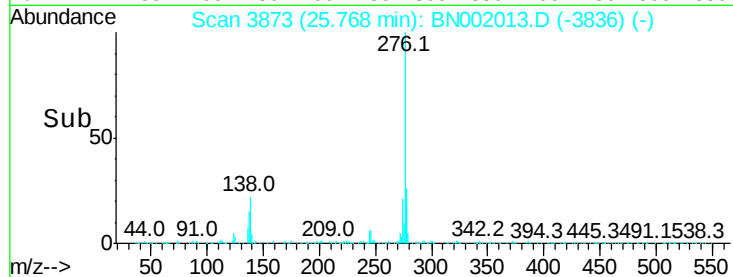
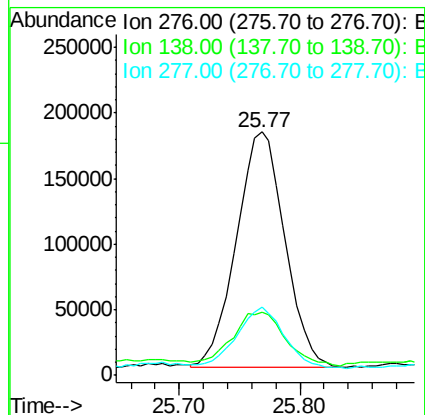
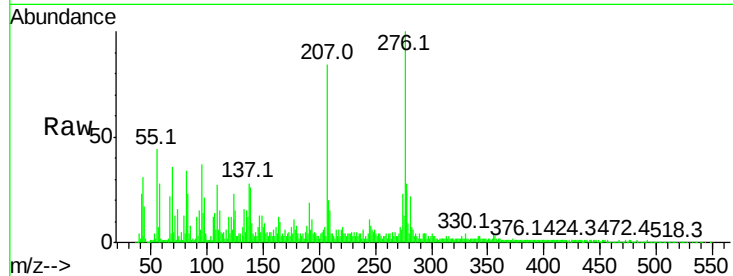


#89

Indeno(1,2,3-cd)pyrene
Concen: 3.672 ng/uL
RT: 25.77 min Scan# 3873
Delta R.T. 0.02 min
Lab File: BN002013.D
Acq: 11 Jul 2018 16:36

Instrument :
BNA_N
ClientSampleId :

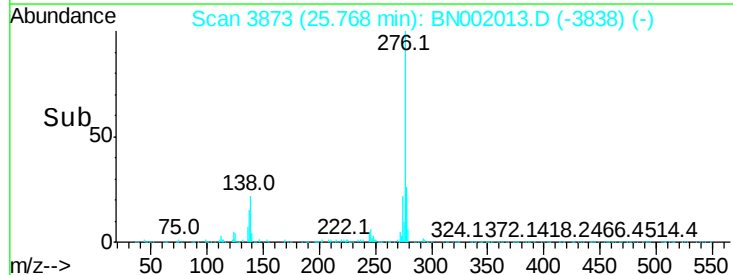
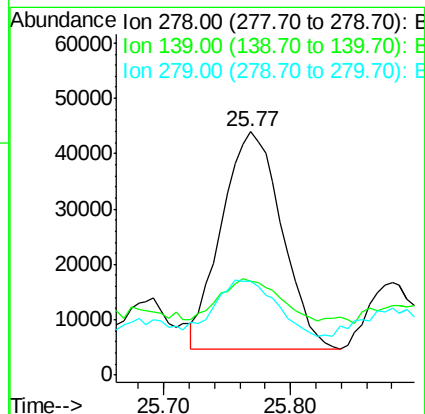
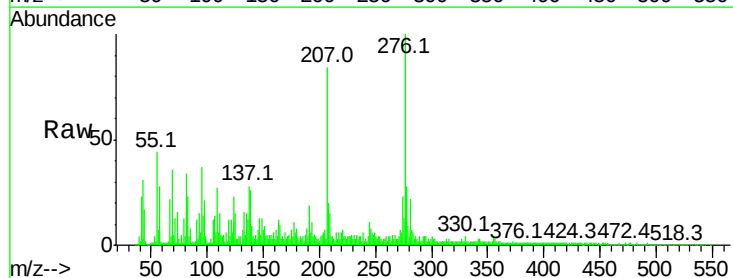
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.9	10.9	16.3#
277	28.2	18.9	28.3

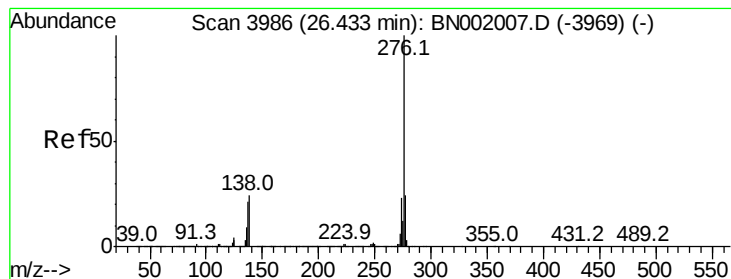


#90

Dibenzo(a,h)anthracene
Concen: 1.153 ng/uL
RT: 25.77 min Scan# 3873
Delta R.T. 0.01 min
Lab File: BN002013.D
Acq: 11 Jul 2018 16:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	38.3	9.0	13.4#
279	38.3	19.1	28.7#





#91

Benzo(a,h,i)perylene

Concen: 5.407 ng/ul

RT: 26.46 min Scan# 3990

Delta R.T. 0.02 min

Lab File: BN002013.D

Acq: 11 Jul 2018 16:36

Instrument :

BNA_N

ClientSampleId :

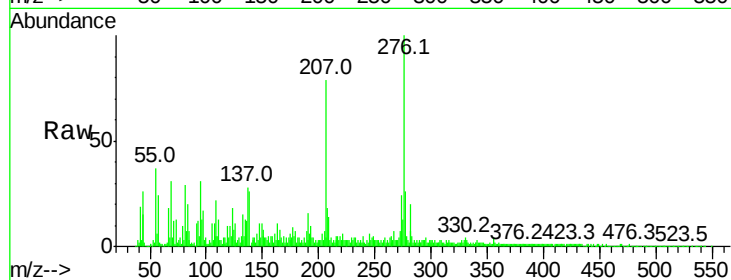
Tot Ion:276 Resp: 603975

Ion Ratio Lower Upper

276 100

138 25.8 11.2 16.8#

277 25.6 19.0 28.6



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

