

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071118\
 Data File : BN002017.D
 Acq On : 11 Jul 2018 18:57
 Operator : JU/SJ
 Sample : J3775-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 11 22:44:01 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	586668	20.00	ng/ul	0.00
18) Naphthalene-d8	10.49	136	2624292	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.35	164	1470342	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.09	188	3038546	20.00	ng/ul	0.01
75) Chrysene-d12	21.30	240	2017628	20.00	ng/ul	0.02
83) Perylene-d12	23.55	264	1966924	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	49495	3.66	ng/uL	0.00
5) Phenol-d5	6.90	99	1307670	24.63	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.05	67	832828	25.42	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	1085510	25.79	ng/ul	0.01
13) 4-Methylphenol-d8	8.42	113	1076166	25.30	ng/ul	0.01
19) Nitrobenzene-d5	8.86	128	555824	28.52	ng/ul	0.01
22) 2-Nitrophenol-d4	9.58	143	630570	31.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.12	165	1116989	25.94	ng/ul	0.01
29) 4-Chloroaniline-d4	10.63	131	825031	18.51	ng/ul	0.01
43) Dimethylphthalate-d6	13.76	166	3307358	26.64	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	4213202	27.49	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	394916	17.27	ng/ul	0.02
57) Fluorene-d10	15.34	176	2893060	26.58	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.47	200	282970	17.10	ng/ul	0.01
70) Anthracene-d10	17.19	188	4150989	28.27	ng/ul	0.01
76) Pyrene-d10	19.50	212	3833995	37.70	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.41	264	3035084	28.37	ng/ul	0.04

Target Compounds

				Ovalue	
6) Phenol	6.92	94	77475	1.447 ng/ul#	92
44) Dimethylphthalate	13.80	163	880075	7.212 ng/ul	98
47) Acenaphthylene	14.06	152	464162	3.137 ng/ul	98
49) Acenaphthene	14.40	153	104396	1.017 ng/ul	99
53) Dibenzofuran	14.75	168	205546	1.396 ng/ul	95
58) Fluorene	15.39	166	133899	1.140 ng/ul	97
69) Phenanthrene	17.13	178	5683409	33.204 ng/ul	99
71) Anthracene	17.23	178	1108380	6.397 ng/ul	98
72) Carbazole	17.50	167	723667	4.986 ng/ul	97
73) Di-n-butylphthalate	18.07	149	1305807	7.125 ng/ul	99
74) Fluoranthene	19.16	202	10275395	57.110 ng/ul#	88
77) Pyrene	19.53	202	8580308	67.956 ng/ul#	85
80) Benzo(a)anthracene	21.29	228	4571311	35.849 ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.22	149	744542	9.267 ng/ul	98
82) Chrysene	21.34	228	4748887	40.026 ng/ul	97
85) Benzo(b)fluoranthene	22.89	252	6300448	50.716 ng/ul#	93
86) Benzo(k)fluoranthene	22.89	252	6300448	52.300 ng/ul#	92
88) Benzo(a)pyrene	23.46	252	4029049	34.706 ng/ul#	93
89) Indeno(1,2,3-cd)pyrene	25.80	276	3164384	25.617 ng/ul#	84
90) Dibenz(a,h)anthracene	25.80	278	883320	8.592 ng/ul#	84
91) Benzo(a,h,i)perylene	26.49	276	2770652	27.190 ng/ul#	92

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Response via : Initial Calibration

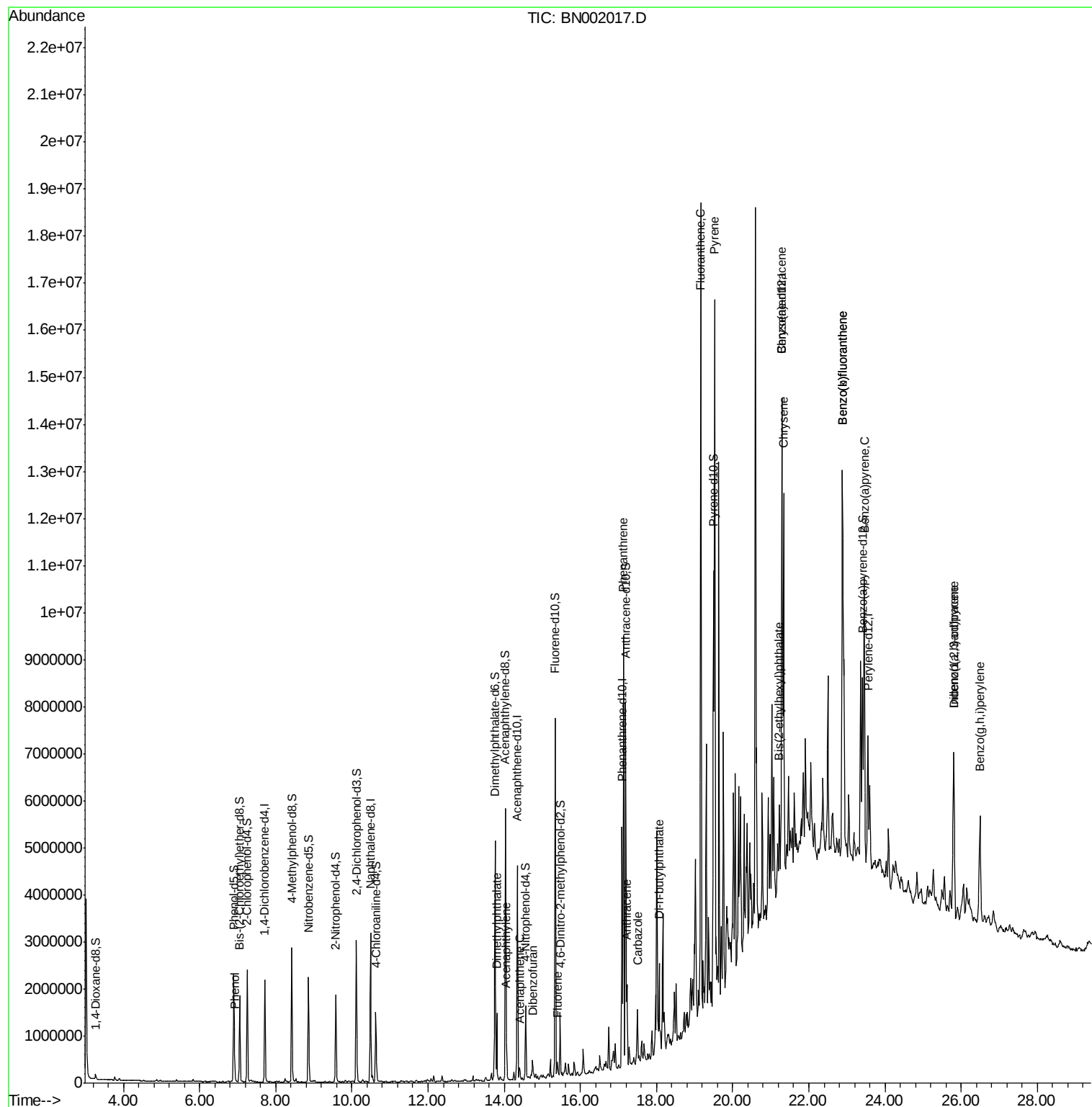
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

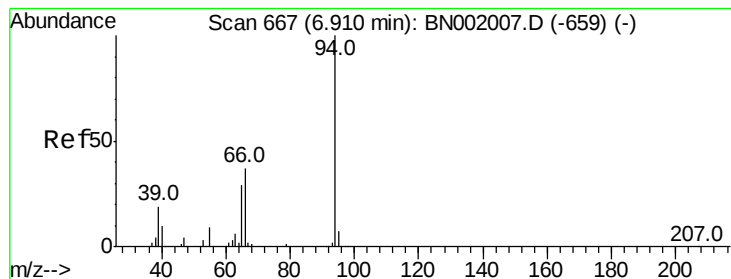
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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QLast Update : Wed Jul 11 22:41:21 2018
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#6

Phenol

Concen: 1.447 ng/ul

RT: 6.92 min Scan# 669

Delta R.T. 0.01 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

Instrument :

BNA_N

ClientSampleId :

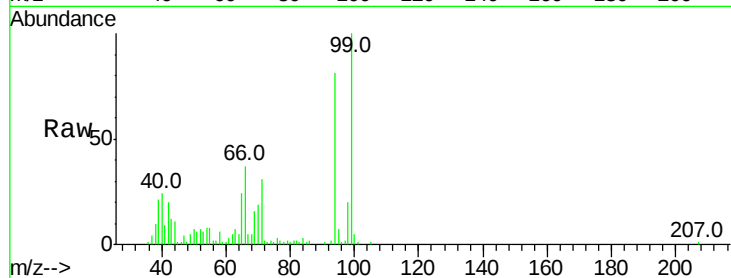
Tot Ion: 94 Resp: 77475

Ion Ratio Lower Upper

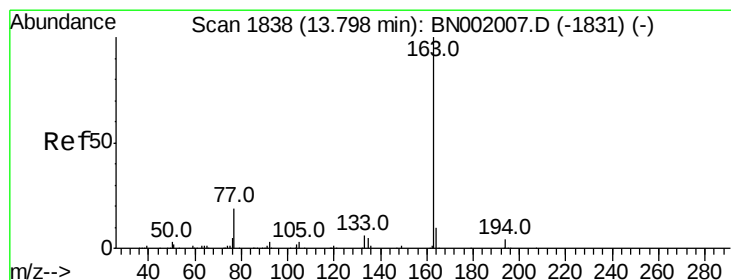
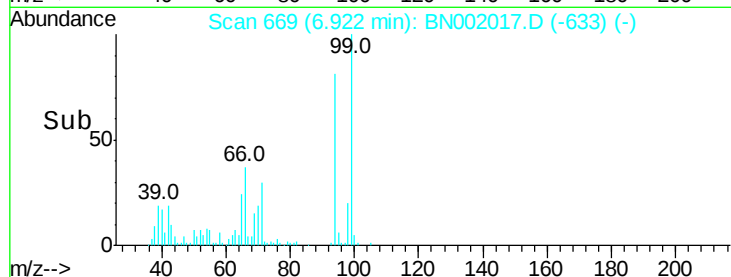
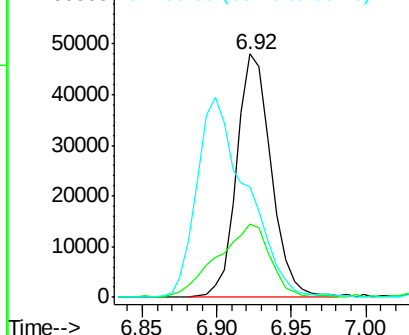
94 100

65 30.2 23.0 34.6

66 45.6 30.4 45.6#



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



#44

Dimethylphthalate

Concen: 7.212 ng/ul

RT: 13.80 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

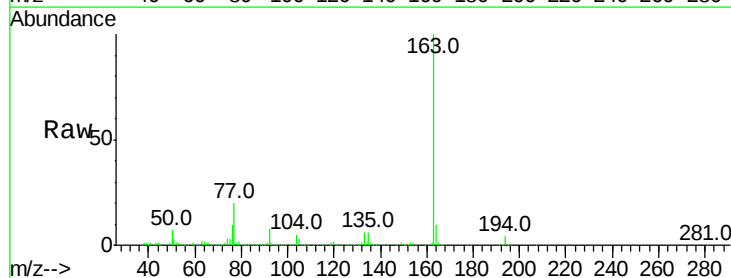
Tgt Ion:163 Resp: 880075

Ion Ratio Lower Upper

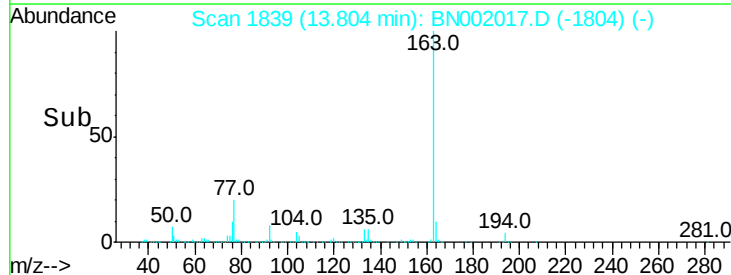
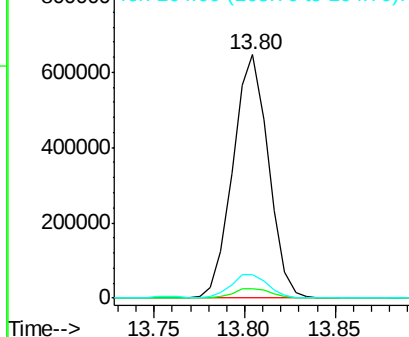
163 100

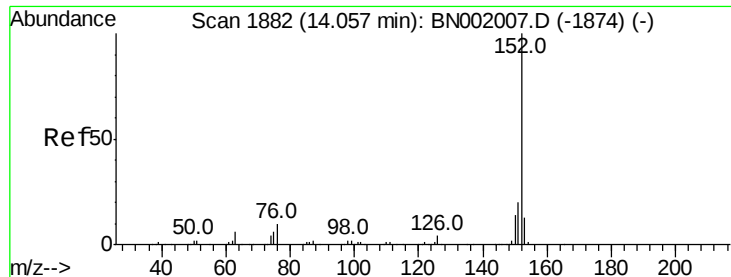
194 4.1 4.0 6.0

164 9.9 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





#47

Acenaphthylene

Concen: 3.137 ng/ul

RT: 14.06 min Scan# 1883

Delta R.T. 0.01 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

Instrument :

BNA_N

ClientSampleId :

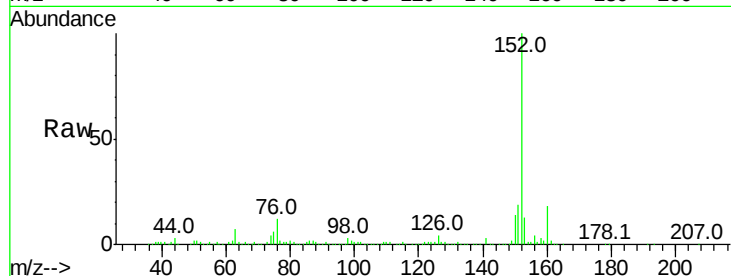
Tot Ion:152 Resp: 464162

Ion Ratio Lower Upper

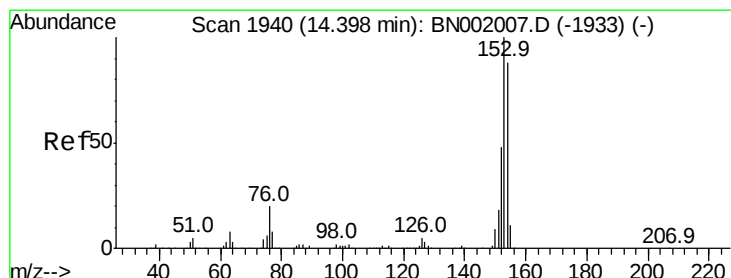
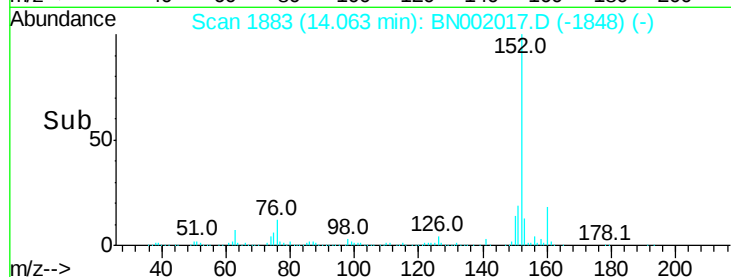
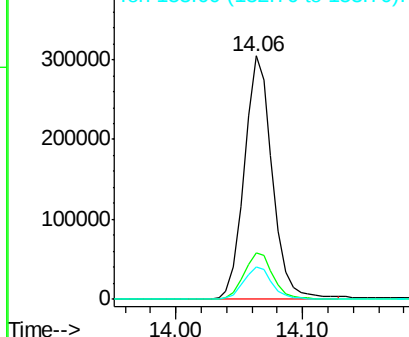
152 100

151 19.0 16.1 24.1

153 13.2 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 1.017 ng/ul

RT: 14.40 min Scan# 1941

Delta R.T. 0.01 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

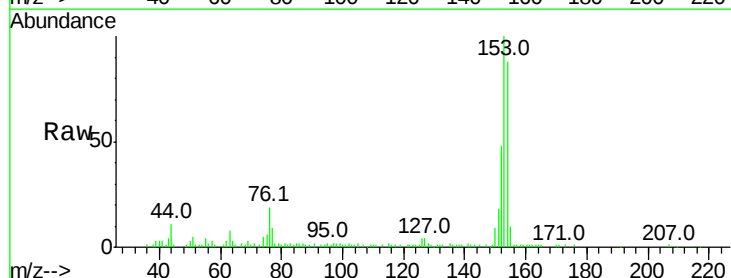
Tgt Ion:153 Resp: 104396

Ion Ratio Lower Upper

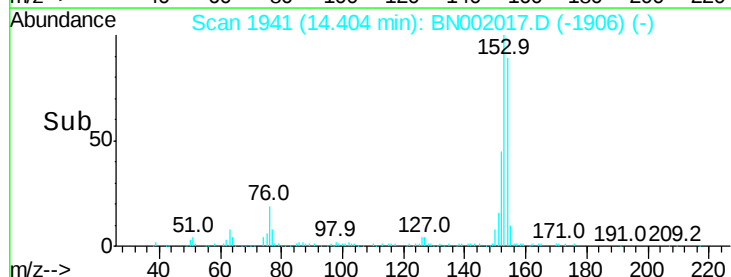
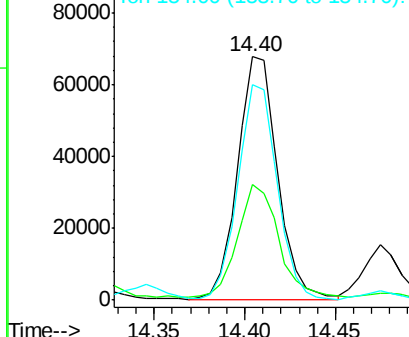
153 100

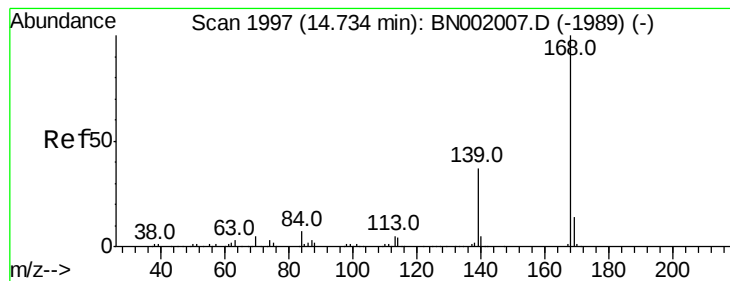
152 47.7 37.9 56.9

154 88.4 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





#53

Dibenzenofuran

Concen: 1.396 ng/ul

RT: 14.75 min Scan# 1999

Delta R.T. 0.01 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

Instrument :

BNA_N

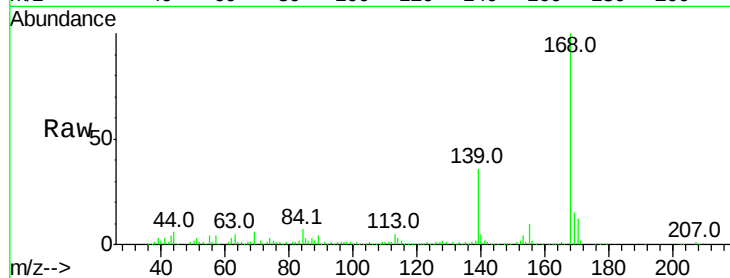
ClientSampleId :

Tot Ion:168 Resp: 205546

Ion Ratio Lower Upper

168 100

139 35.9 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.75

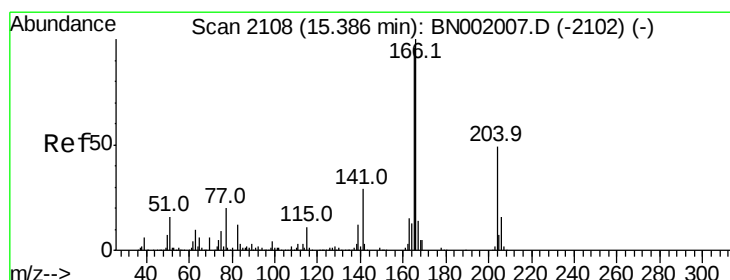
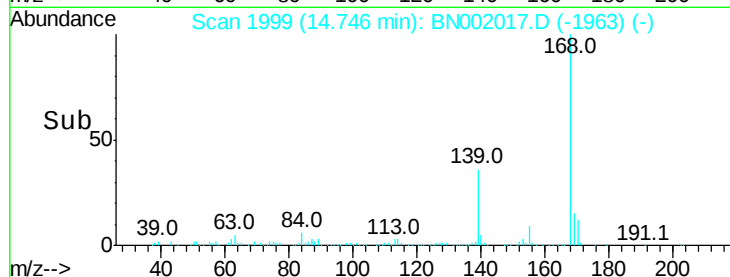
150000

100000

50000

0

Time--> 14.65 14.70 14.75 14.80



#58

Fluorene

Concen: 1.140 ng/ul

RT: 15.39 min Scan# 2109

Delta R.T. 0.01 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

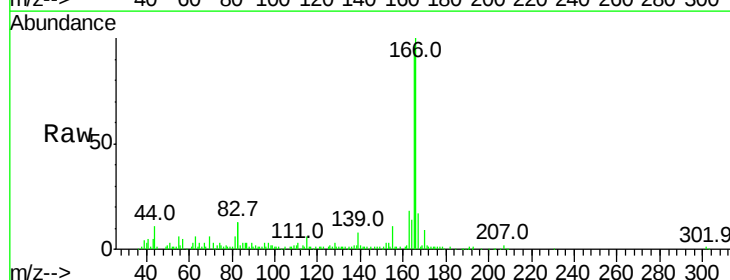
Tgt Ion:166 Resp: 133899

Ion Ratio Lower Upper

166 100

165 95.5 78.4 117.6

167 16.6 11.1 16.7



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

15.39

120000

100000

80000

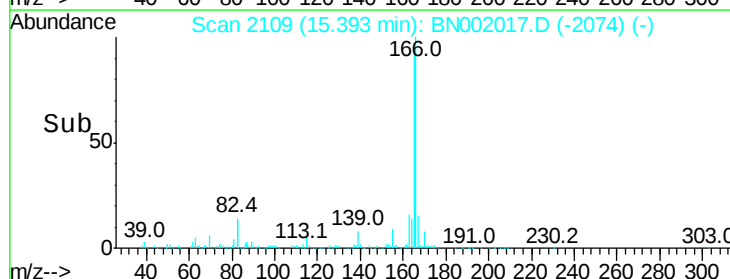
60000

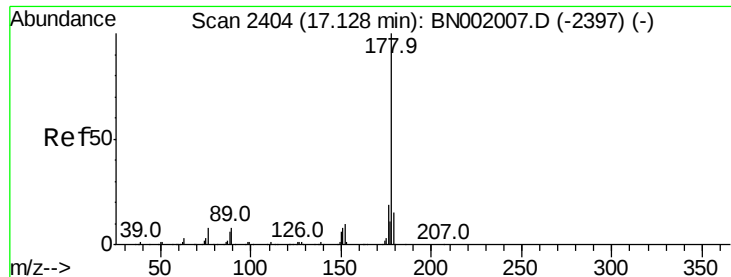
40000

20000

0

Time--> 15.35 15.40 15.45





#69

Phenanthrene

Concen: 33.204 ng/ul

RT: 17.13 min Scan# 2405

Delta R.T. 0.01 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

Instrument :

BNA_N

ClientSampleId :

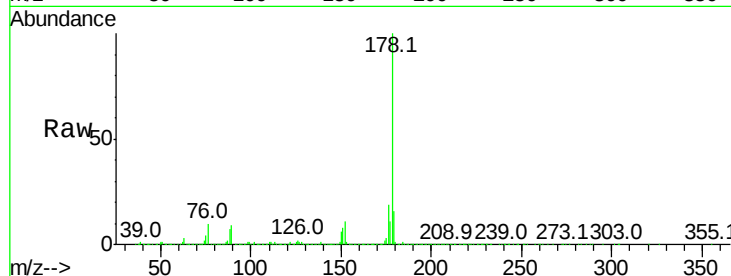
Tot Ion:178 Resp: 5683409

Ion Ratio Lower Upper

178 100

179 16.0 12.3 18.5

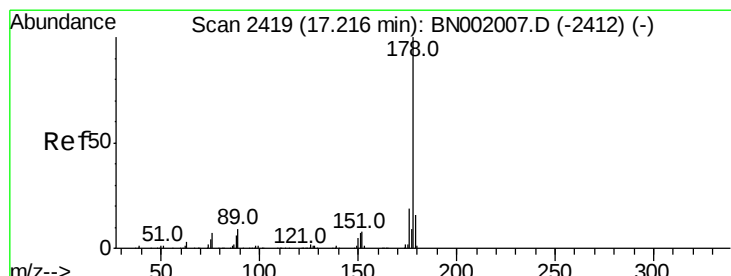
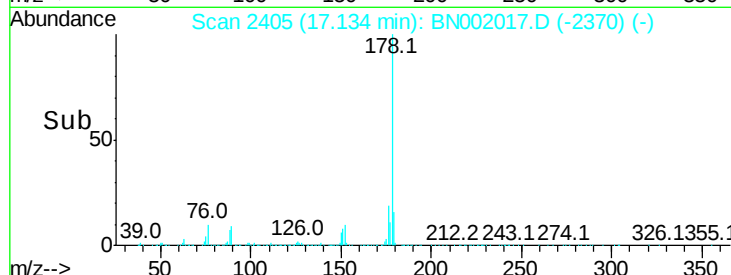
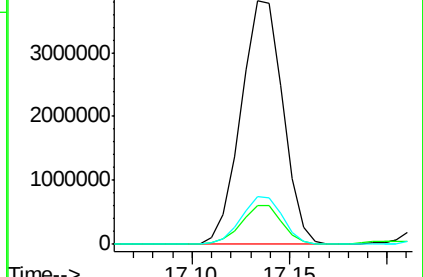
176 19.4 15.4 23.0



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



#71

Anthracene

Concen: 6.397 ng/ul

RT: 17.23 min Scan# 2421

Delta R.T. 0.01 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

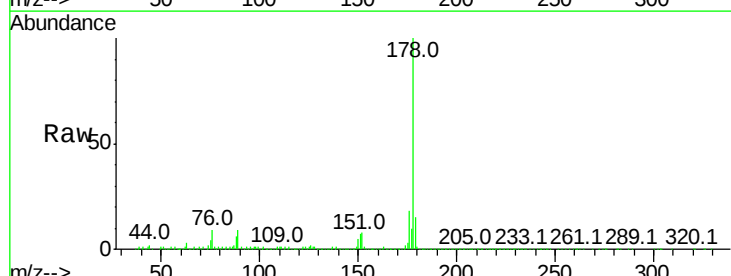
Tgt Ion:178 Resp: 1108380

Ion Ratio Lower Upper

178 100

179 15.4 13.4 20.2

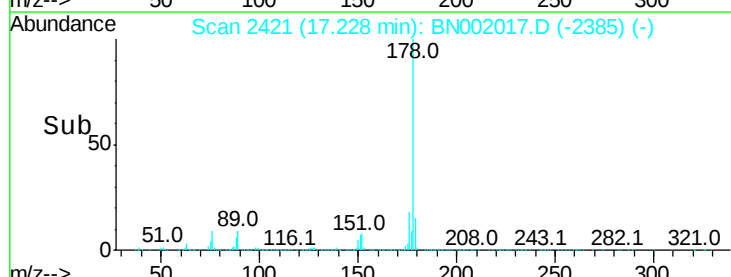
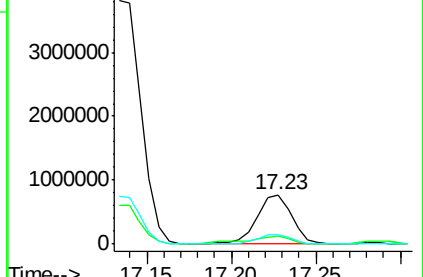
176 18.5 15.4 23.0

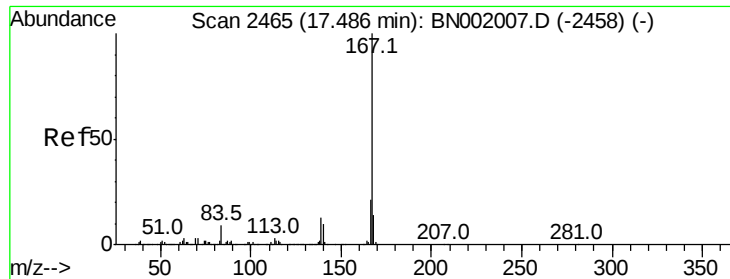


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 4.986 ng/ul

RT: 17.50 min Scan# 2467

Delta R.T. 0.01 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

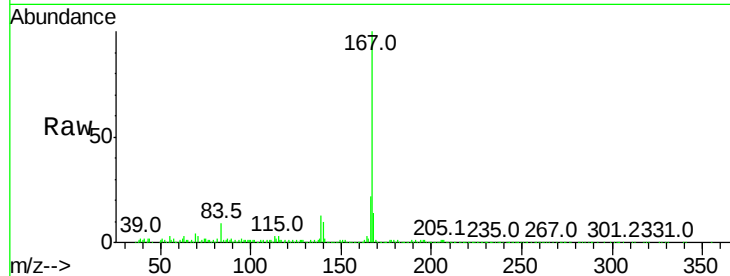
Instrument :

BNA_N

ClientSampleId :

Tot Ion:167 Resp: 723667

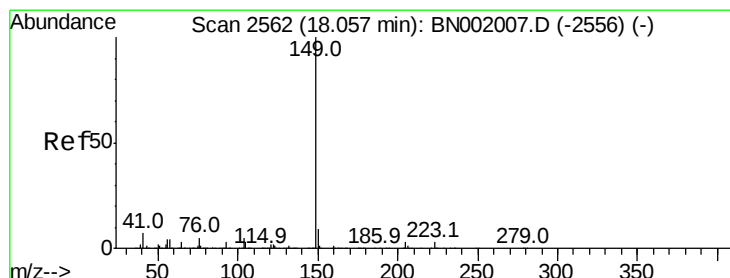
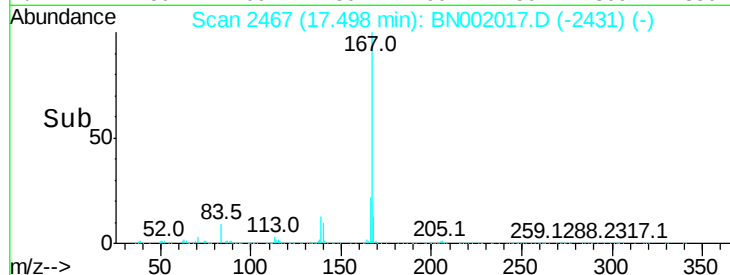
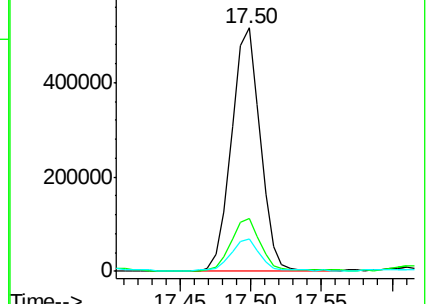
Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.0	25.4
139	13.1	9.1	13.7



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



#73

Di-n-butylphthalate

Concen: 7.125 ng/ul

RT: 18.07 min Scan# 2564

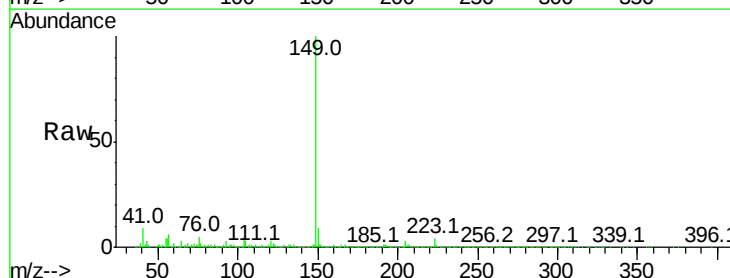
Delta R.T. 0.01 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

Tgt Ion:149 Resp: 1305807

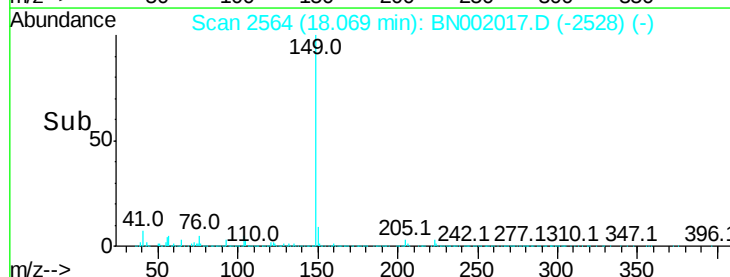
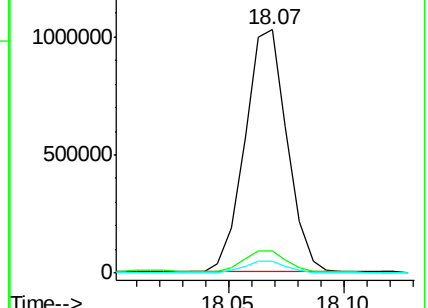
Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	4.8	4.1	6.1

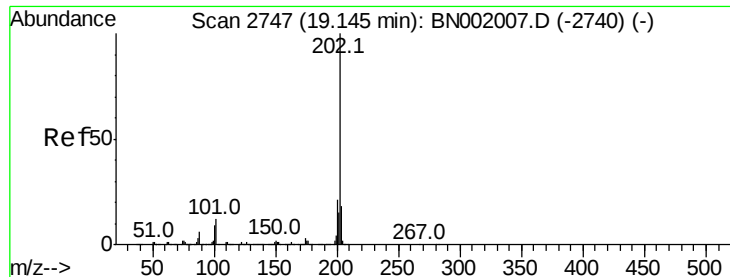


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 57.110 ng/ul

RT: 19.16 min Scan# 2750

Delta R.T. 0.02 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

Instrument :

BNA_N

ClientSampled :

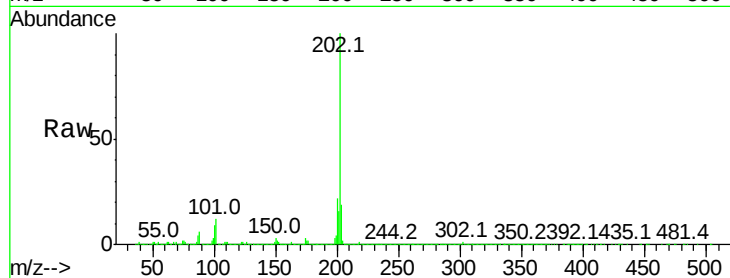
Tot Ion:202 Resp:10275395

Ion Ratio Lower Upper

202 100

101 12.3 6.1 9.1#

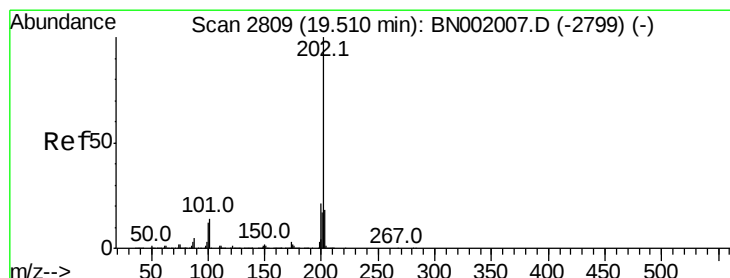
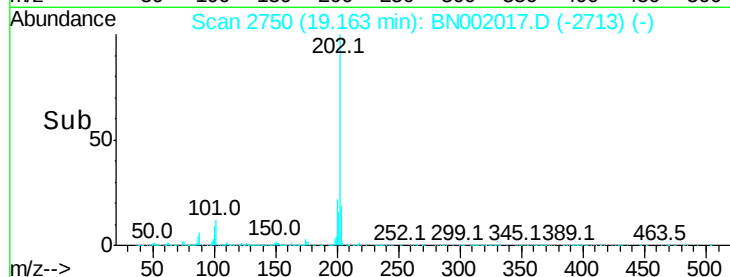
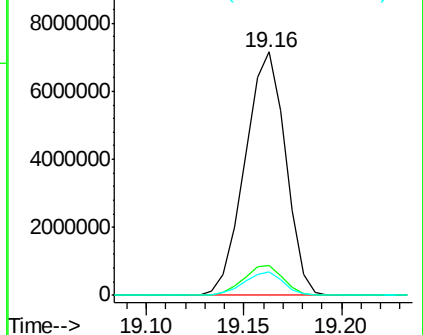
100 9.5 4.6 7.0#



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: 67.956 ng/ul

RT: 19.53 min Scan# 2812

Delta R.T. 0.02 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

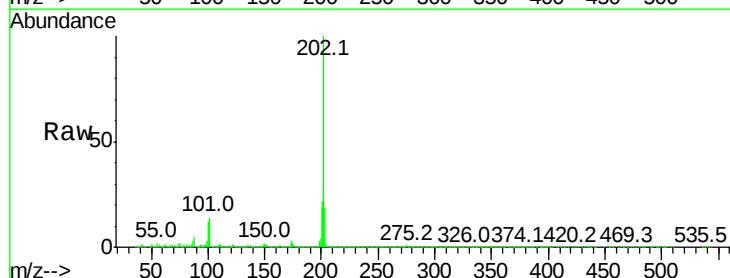
Tgt Ion:202 Resp: 8580308

Ion Ratio Lower Upper

202 100

101 14.2 6.9 10.3#

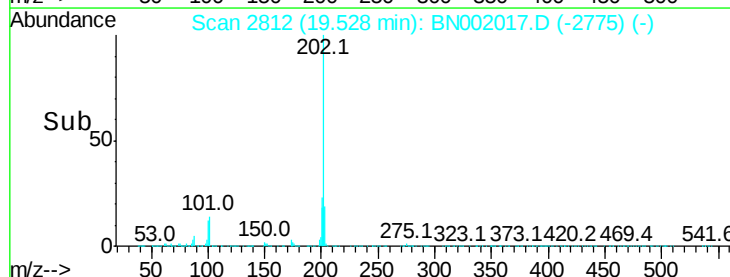
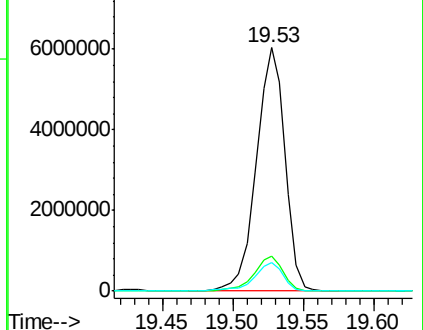
100 11.6 5.6 8.4#

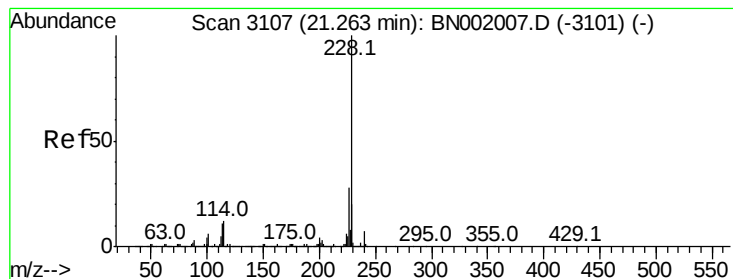


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 35.849 ng/ul

RT: 21.29 min Scan# 3111

Delta R.T. 0.02 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

Instrument :

BNA_N

ClientSampleId :

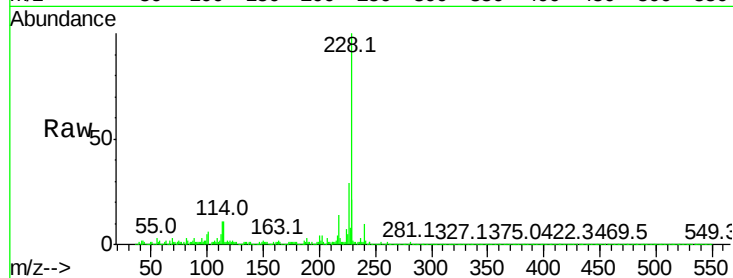
Tot Ion:228 Resp: 4571311

Ion Ratio Lower Upper

228 100

229 21.5 16.0 24.0

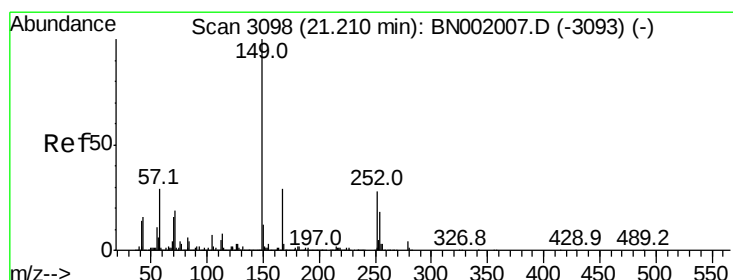
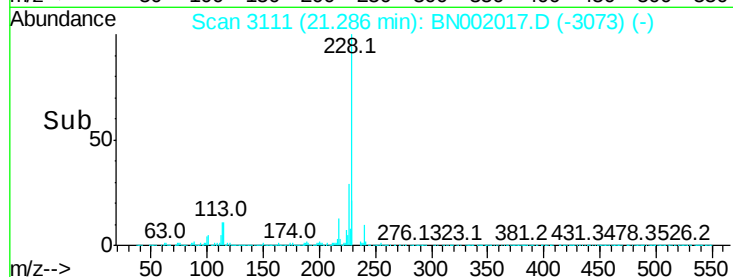
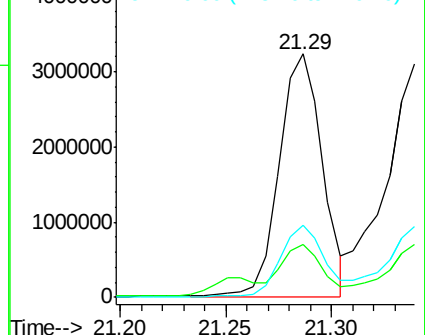
226 29.4 21.8 32.8



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: 9.267 ng/ul

RT: 21.22 min Scan# 3100

Delta R.T. 0.01 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

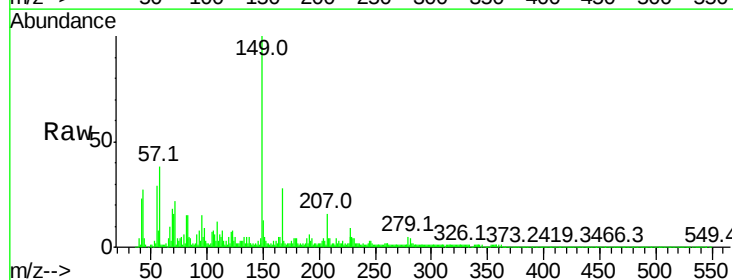
Tgt Ion:149 Resp: 744542

Ion Ratio Lower Upper

149 100

167 28.0 23.0 34.6

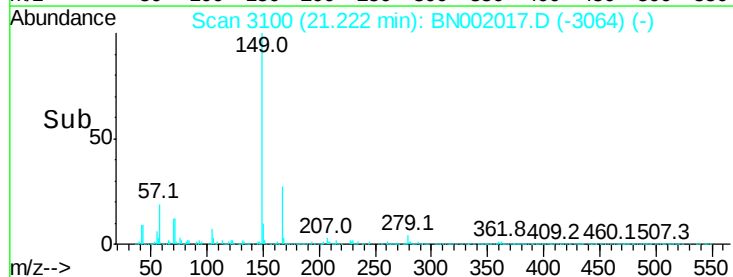
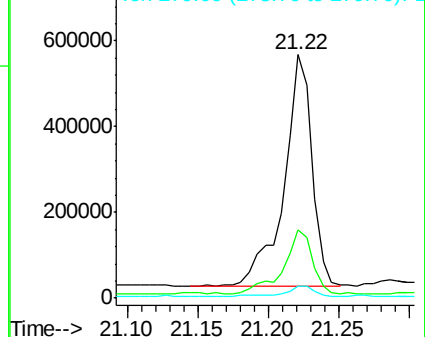
279 4.7 4.3 6.5

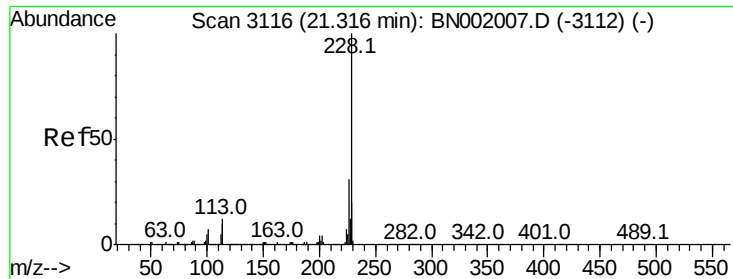


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 40.026 ng/ul

RT: 21.34 min Scan# 3120

Delta R.T. 0.02 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

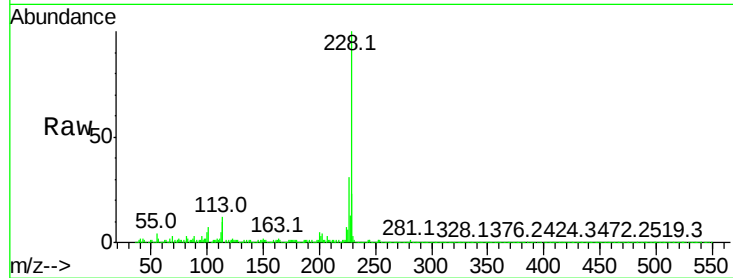
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 4748887

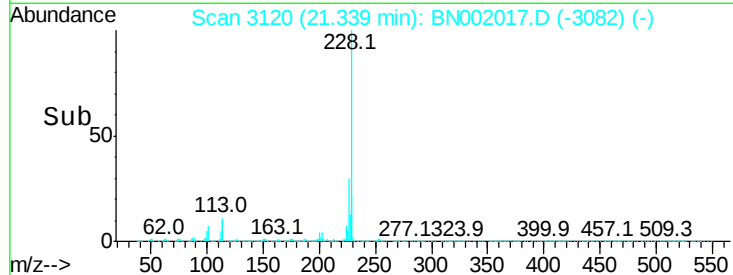
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.1	36.1
229	22.8	16.0	24.0



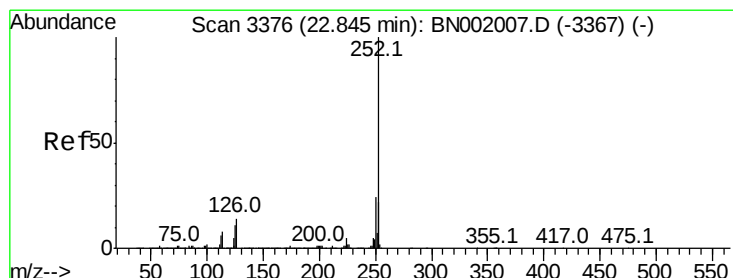
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Benzo(b)fluoranthene

Concen: 50.716 ng/ul

RT: 22.89 min Scan# 3383

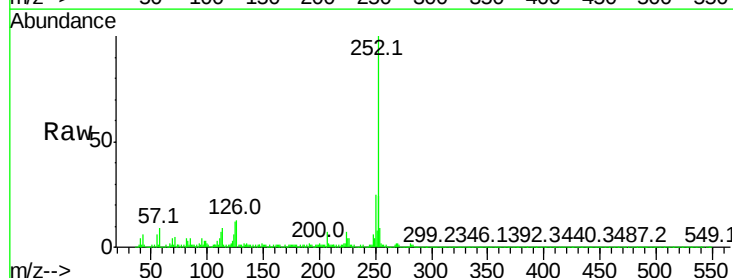
Delta R.T. 0.04 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

Tgt Ion:252 Resp: 6300448

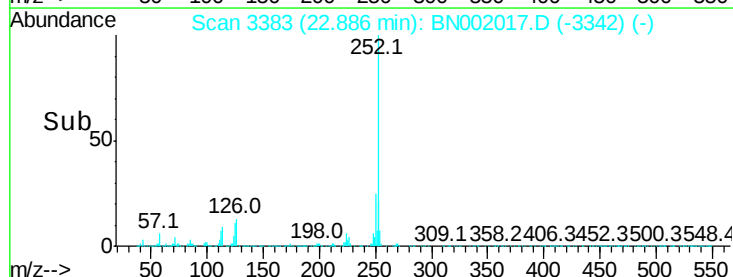
Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.0
125	12.1	4.9	7.3#



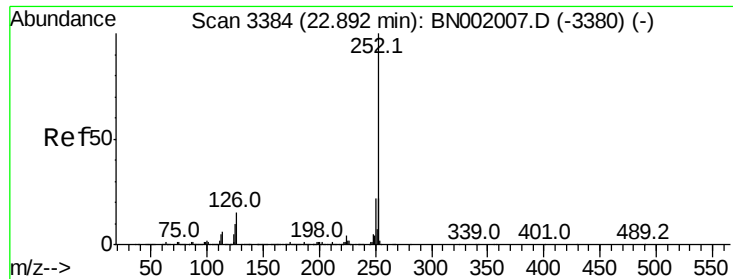
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#86

Benzo(k)fluoranthene

Concen: 52.300 ng/ul

RT: 22.89 min Scan# 3383

Delta R.T. -0.01 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

Instrument :

BNA_N

ClientSampleId :

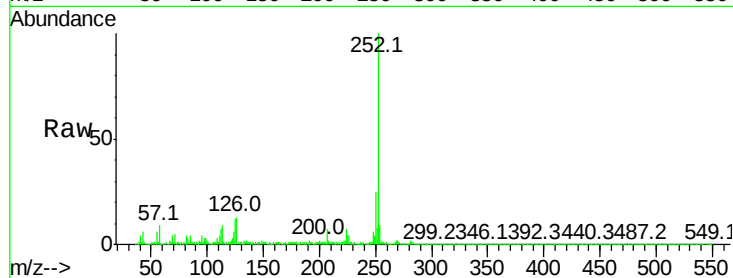
Tot Ion:252 Resp: 6300448

Ion Ratio Lower Upper

252 100

253 23.7 17.1 25.7

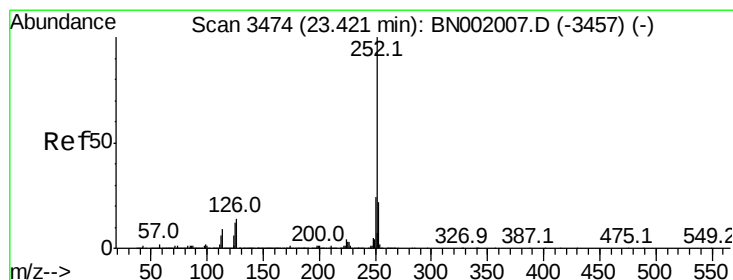
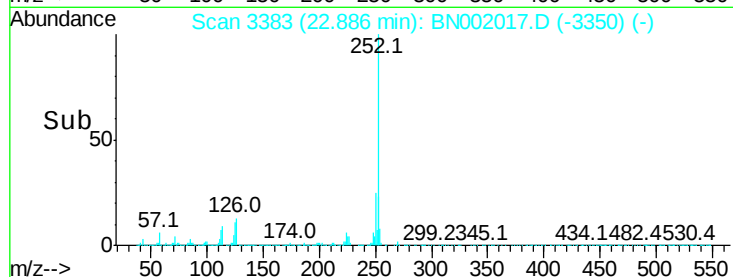
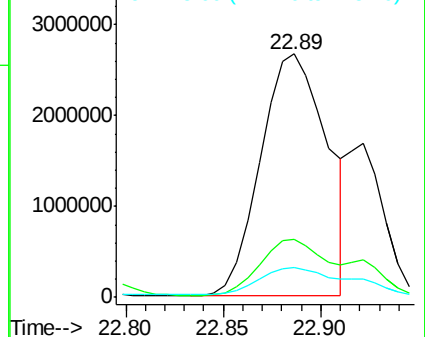
125 12.1 5.4 8.0#



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: 34.706 ng/ul

RT: 23.46 min Scan# 3480

Delta R.T. 0.04 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

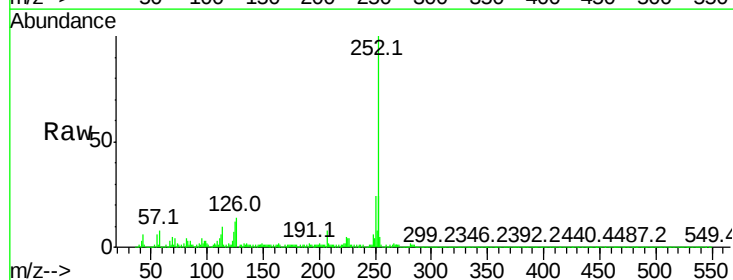
Tgt Ion:252 Resp: 4029049

Ion Ratio Lower Upper

252 100

253 23.6 17.2 25.8

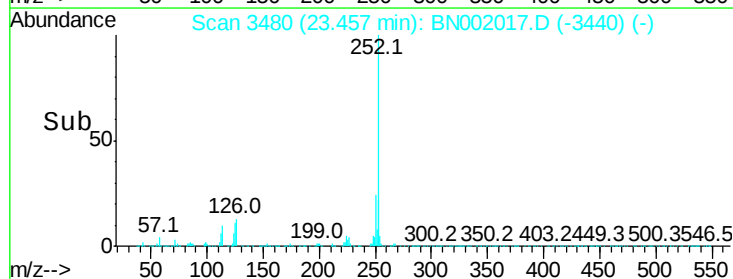
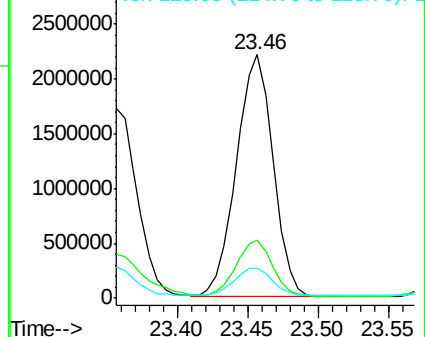
125 12.1 5.8 8.6#

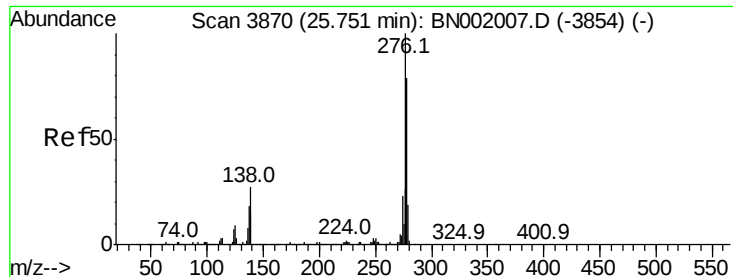


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



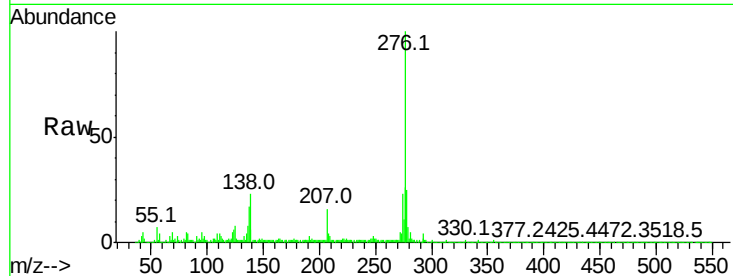


#89

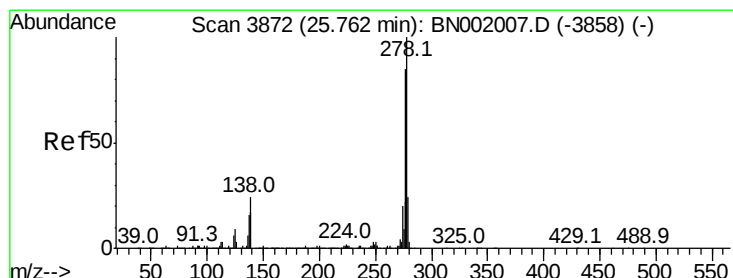
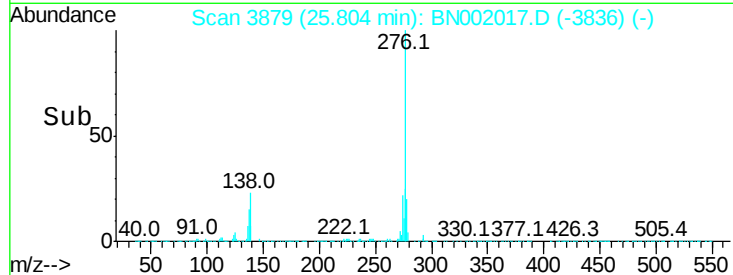
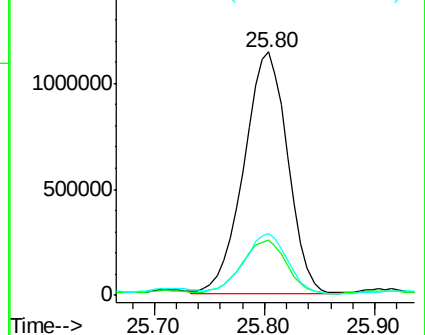
Indeno(1,2,3-cd)pyrene
Concen: 25.617 ng/ul
RT: 25.80 min Scan# 3879
Delta R.T. 0.05 min
Lab File: BN002017.D
Acq: 11 Jul 2018 18:57

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 3164384
Ion Ratio Lower Upper
276 100
138 28.6 10.9 16.3#
277 25.6 18.9 28.3



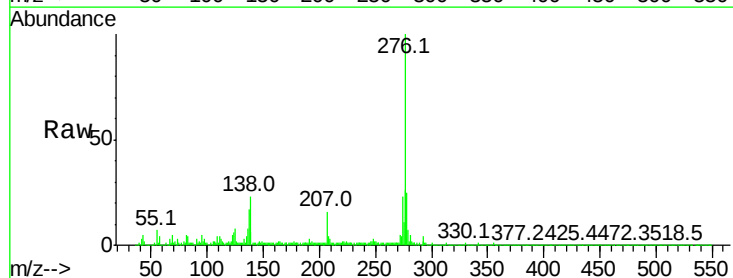
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



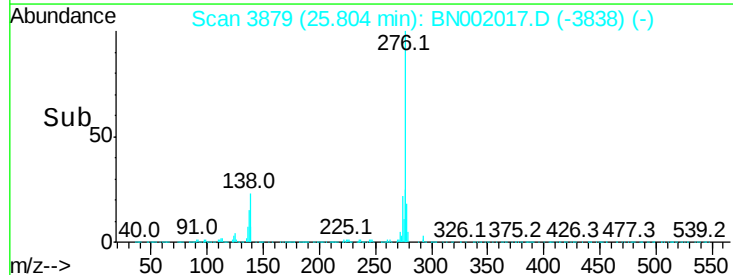
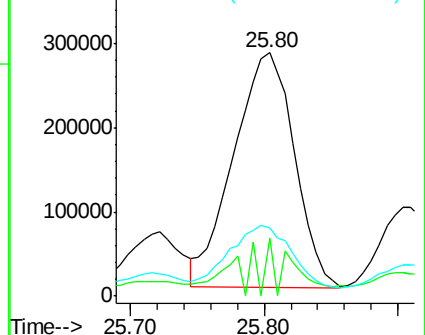
#90

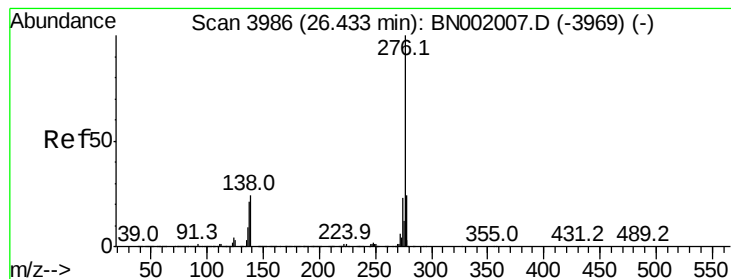
Dibenzo(a,h)anthracene
Concen: 8.592 ng/ul
RT: 25.80 min Scan# 3879
Delta R.T. 0.04 min
Lab File: BN002017.D
Acq: 11 Jul 2018 18:57

Tgt Ion:278 Resp: 883320
Ion Ratio Lower Upper
278 100
139 23.8 9.0 13.4#
279 28.0 19.1 28.7



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





#91

Benzo(a,h,i)perylene

Concen: 27.190 ng/ul

RT: 26.49 min Scan# 3996

Delta R.T. 0.06 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

Instrument :

BNA_N

ClientSampleId :

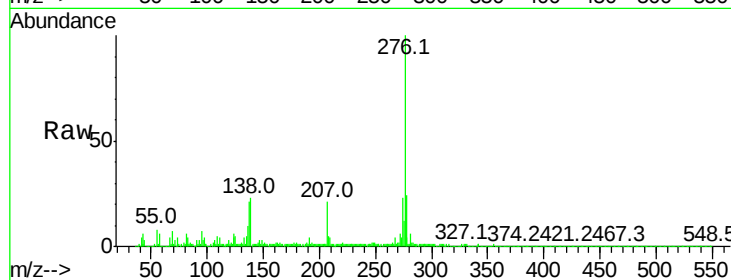
Tot Ion:276 Resp: 2770652

Ion Ratio Lower Upper

276 100

138 22.5 11.2 16.8#

277 23.8 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

