

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071118\
 Data File : BN002016.D
 Acq On : 11 Jul 2018 18:22
 Operator : JU/SJ
 Sample : J3755-16
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 11 22:43:46 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	483930	20.00	ng/ul	0.00
18) Naphthalene-d8	10.49	136	2188101	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.35	164	1277508	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.09	188	2801982	20.00	ng/ul	0.01
75) Chrysene-d12	21.30	240	2211324	20.00	ng/ul	0.02
83) Perylene-d12	23.56	264	1987558	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	46351	4.16	ng/uL	0.00
5) Phenol-d5	6.89	99	1226035	28.00	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.05	67	737265	27.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	975991	28.11	ng/ul	0.01
13) 4-Methylphenol-d8	8.42	113	940037	26.79	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	499890	30.76	ng/ul	0.00
22) 2-Nitrophenol-d4	9.58	143	571647	33.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.12	165	1027143	28.61	ng/ul	0.01
29) 4-Chloroaniline-d4	10.63	131	520155	13.99	ng/ul	0.01
43) Dimethylphthalate-d6	13.76	166	3078265	28.53	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	3961637	29.75	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	535278	26.93	ng/ul	0.01
57) Fluorene-d10	15.34	176	2806471	29.68	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.47	200	296228	19.41	ng/ul	0.01
70) Anthracene-d10	17.19	188	4228518	31.23	ng/ul	0.01
76) Pyrene-d10	19.50	212	4299059	38.57	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.42	264	3342333	30.92	ng/ul	0.04

Target Compounds

					Ovalue
4) Benzaldehyde	6.86	77	33271	1.244 ng/ul#	66
6) Phenol	6.92	94	88647	2.007 ng/ul	96
14) Acetophenone	8.53	105	86397	1.604 ng/ul	98
28) Naphthalene	10.54	128	333294	2.871 ng/ul	98
34) 2-Methylnaphthalene	12.15	142	179749	2.134 ng/ul	99
44) Dimethylphthalate	13.80	163	943177	8.895 ng/ul	98
47) Acenaphthylene	14.06	152	396341	3.083 ng/ul	100
49) Acenaphthene	14.40	153	413910	4.641 ng/ul	97
53) Dibenzofuran	14.74	168	534056	4.174 ng/ul	96
58) Fluorene	15.39	166	589702	5.778 ng/ul	98
68) Pentachlorophenol	16.75	266	97347	5.135 ng/ul	97
69) Phenanthrene	17.14	178	8321053	52.718 ng/ul	98
71) Anthracene	17.23	178	1886591	11.808 ng/ul	98
72) Carbazole	17.50	167	1138364	8.506 ng/ul	99
73) Di-n-butylphthalate	18.07	149	3455521	20.447 ng/ul	99
74) Fluoranthene	19.16	202	11765973	70.916 ng/ul#	85
77) Pyrene	19.53	202	10212202	73.797 ng/ul#	83
78) Butylbenzylphthalate	20.44	149	834590	14.133 ng/ul	90
80) Benzo(a)anthracene	21.29	228	5498290	39.342 ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.23	149	1317568	14.963 ng/ul	100
82) Chrysene	21.34	228	5525421	42.492 ng/ul	97
85) Benzo(b)fluoranthene	22.89	252	6281014	50.035 ng/ul#	92
86) Benzo(k)fluoranthene	22.89	252	6281014	51.598 ng/ul#	91

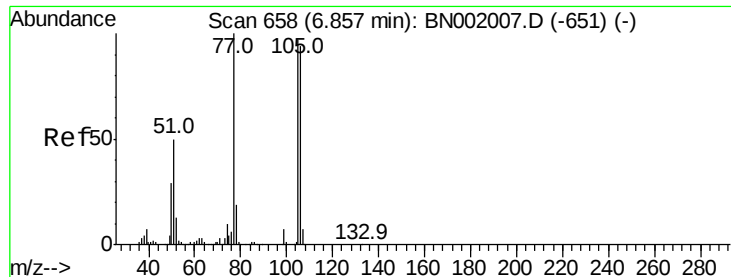
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN071118\
Data File : BN002016.D
Acq On : 11 Jul 2018 18:22
Operator : JU/SJ
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 11 22:41:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(a)pyrene	23.46	252	4090958	34.873	ng/ul#	92
89) Indeno(1,2,3-cd)pyrene	25.81	276	3035829	24.321	ng/ul#	91
90) Dibenzo(a,h)anthracene	25.81	278	840889	8.094	ng/ul#	82
91) Benzo(g,h,i)perylene	26.50	276	2663018	25.862	ng/ul#	92

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



#4

Benzaldehyde

Concen: 1.244 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.01 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

Instrument :

BNA_N

ClientSampled :

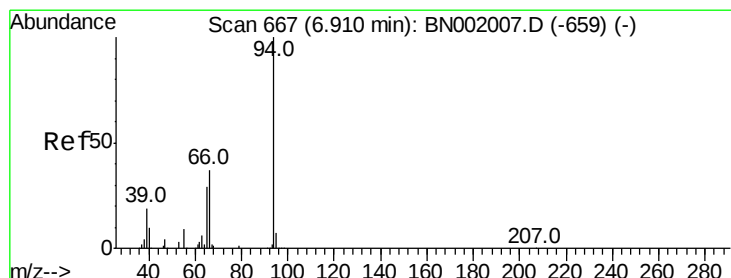
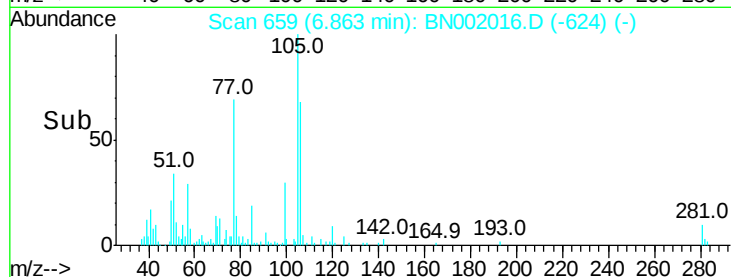
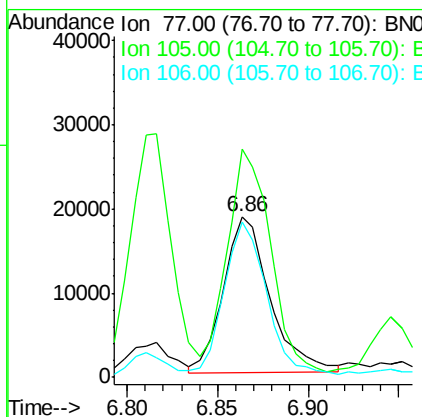
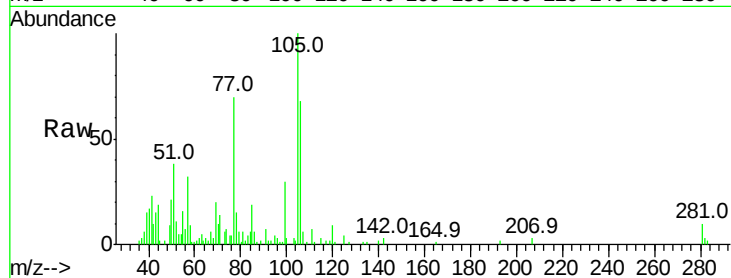
Tot Ion: 77 Resp: 33271

Ion Ratio Lower Upper

77 100

105 142.0 71.0 106.6#

106 96.6 69.5 104.3



#6

Phenol

Concen: 2.007 ng/ul

RT: 6.92 min Scan# 669

Delta R.T. 0.01 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

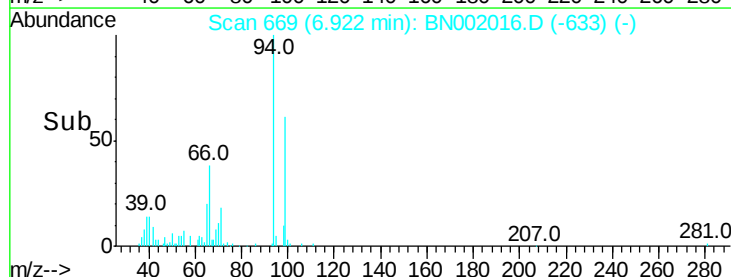
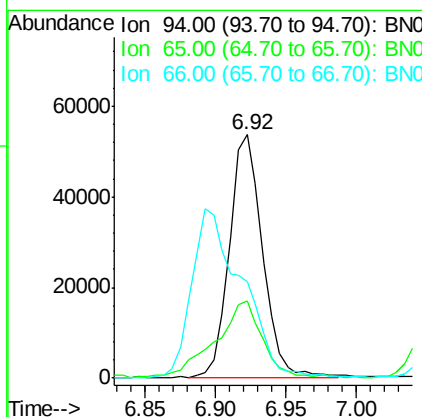
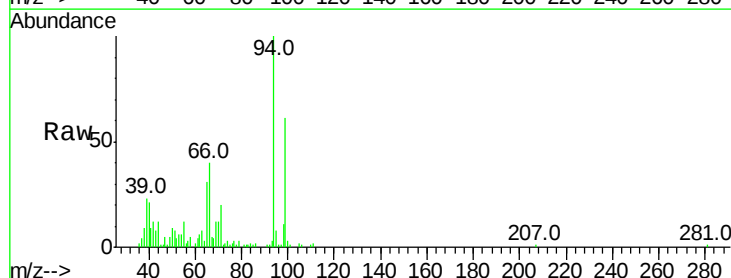
Tgt Ion: 94 Resp: 88647

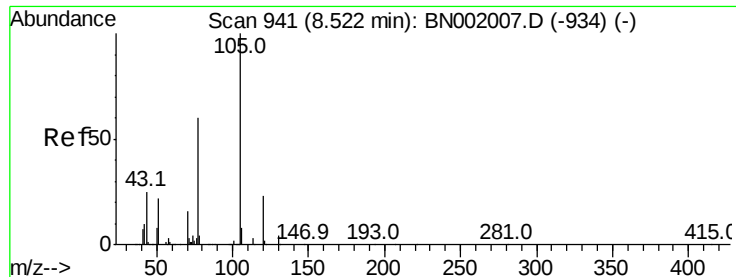
Ion Ratio Lower Upper

94 100

65 31.5 23.0 34.6

66 39.6 30.4 45.6





#14

Acetophenone

Concen: 1.604 ng/ul

RT: 8.53 min Scan# 942

Delta R.T. 0.01 min

Lab File: BN002016.D

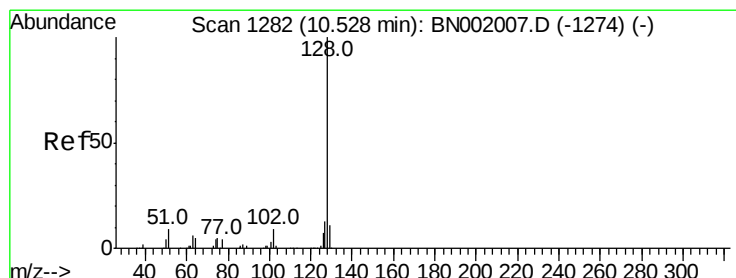
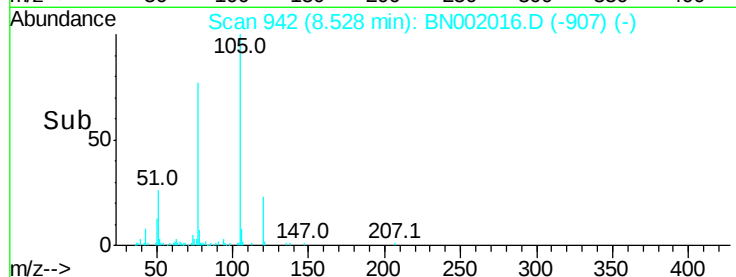
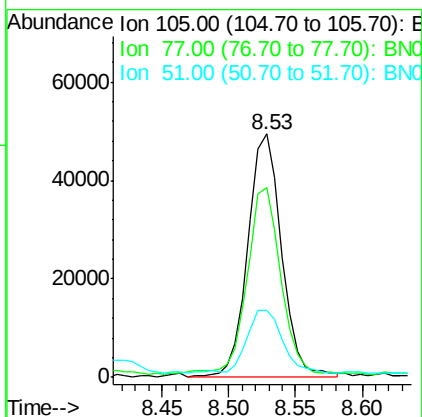
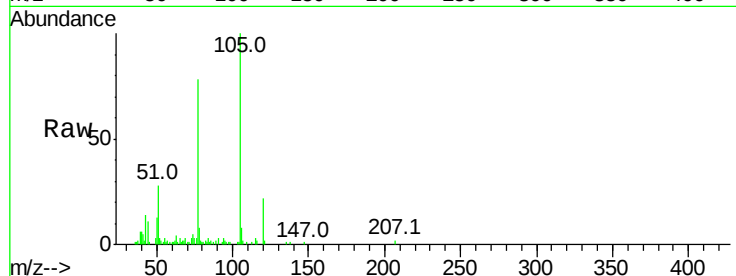
Acq: 11 Jul 2018 18:22

Instrument :

BNA_N

ClientSampleId :

Tot Ion:	105	Resp:	86397
Ion	Ratio	Lower	Upper
105	100		
77	77.7	63.2	94.8
51	27.7	19.8	29.8



#28

Naphthalene

Concen: 2.871 ng/ul

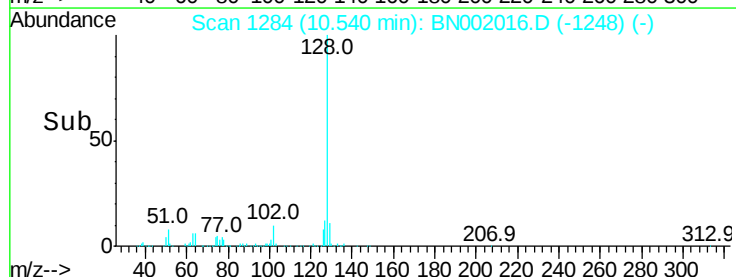
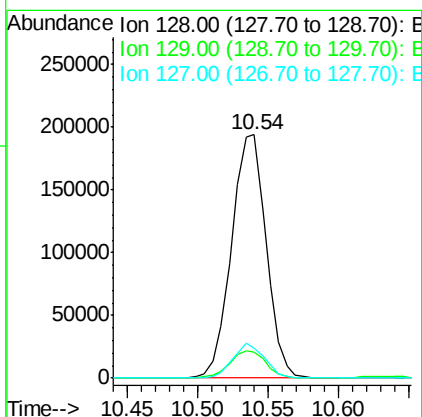
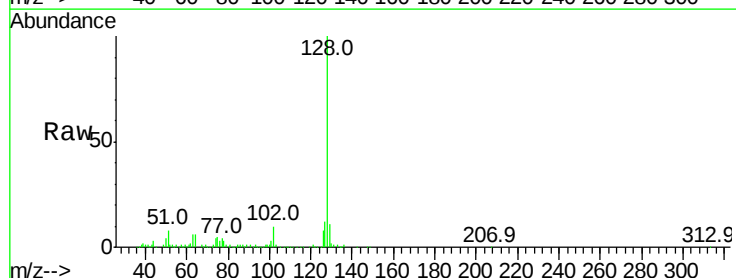
RT: 10.54 min Scan# 1284

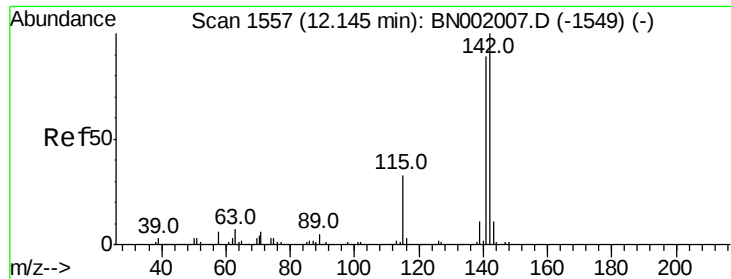
Delta R.T. 0.01 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

Tgt Ion:	128	Resp:	333294
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.3	12.5
127	12.0	10.8	16.2

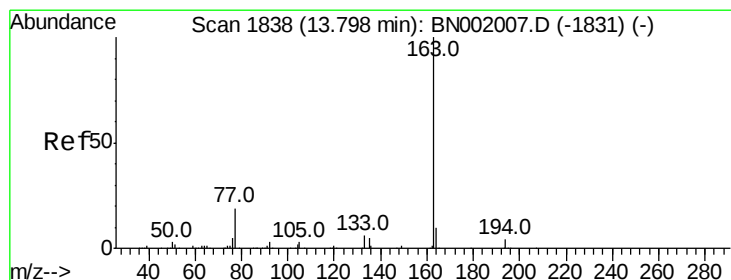
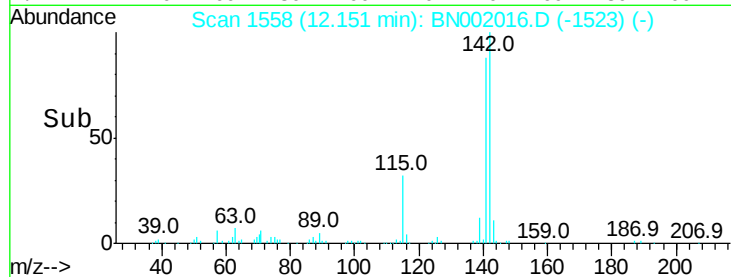
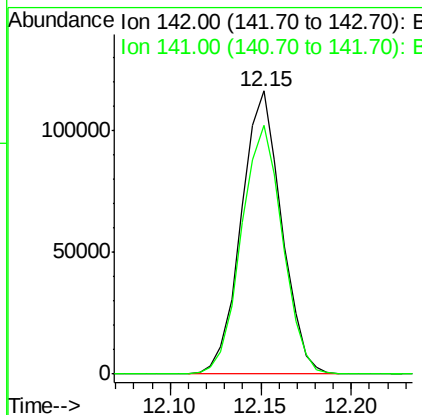
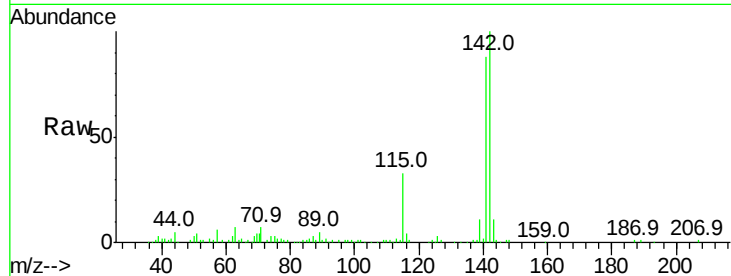




#34
 2-Methylnaphthalene
 Concen: 2.134 ng/ul
 RT: 12.15 min Scan# 1558
 Delta R.T. 0.01 min
 Lab File: BN002016.D
 Acq: 11 Jul 2018 18:22

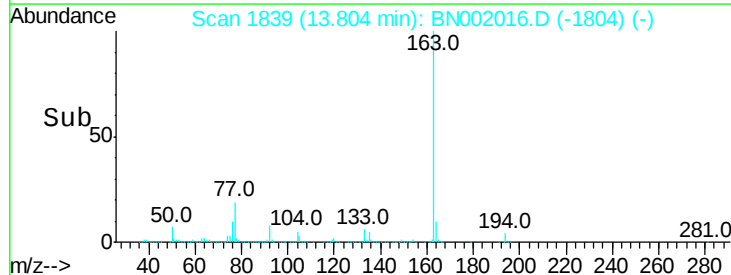
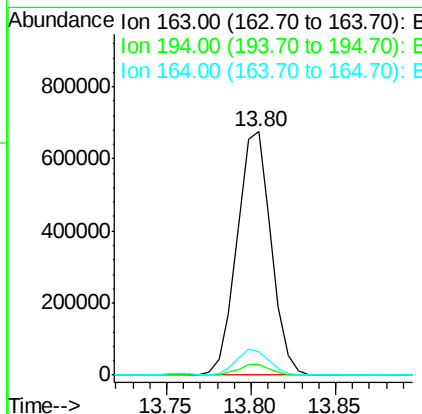
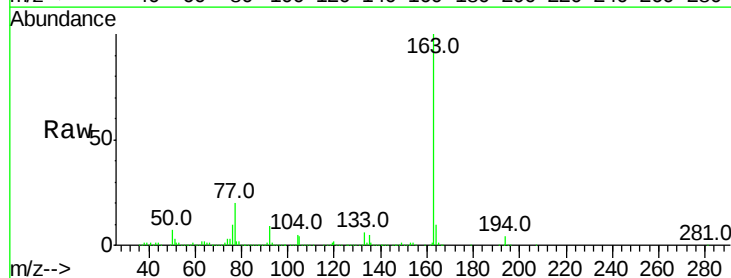
Instrument :
 BNA_N
 ClientSampleId :

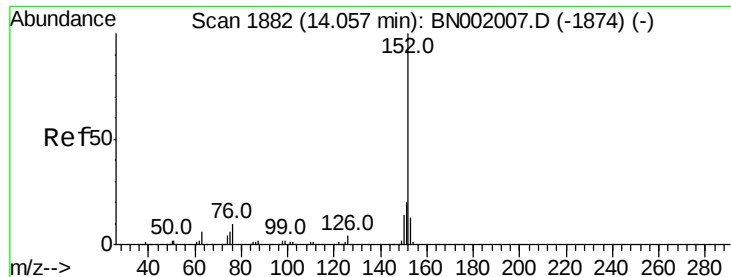
Tot Ion:142 Resp: 179749
 Ion Ratio Lower Upper
 142 100
 141 88.1 71.4 107.2



#44
 Dimethylphthalate
 Concen: 8.895 ng/ul
 RT: 13.80 min Scan# 1839
 Delta R.T. 0.01 min
 Lab File: BN002016.D
 Acq: 11 Jul 2018 18:22

Tgt Ion:163 Resp: 943177
 Ion Ratio Lower Upper
 163 100
 194 4.3 4.0 6.0
 164 9.8 8.4 12.6





#47

Acenaphthylene

Concen: 3.083 ng/ul

RT: 14.06 min Scan# 1883

Delta R.T. 0.01 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

Instrument :

BNA_N

ClientSampleId :

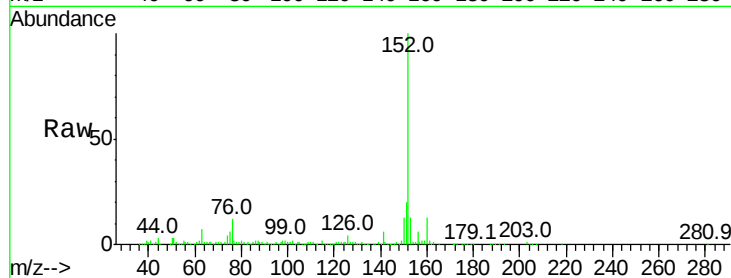
Tot Ion:152 Resp: 396341

Ion Ratio Lower Upper

152 100

151 20.2 16.1 24.1

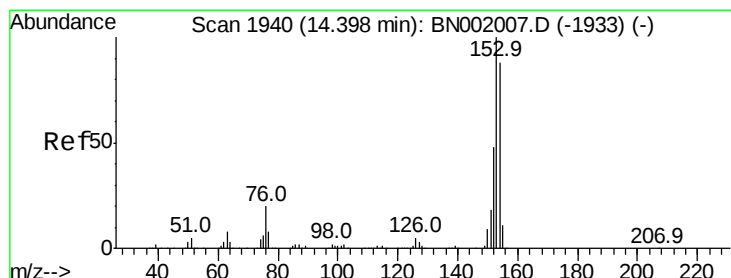
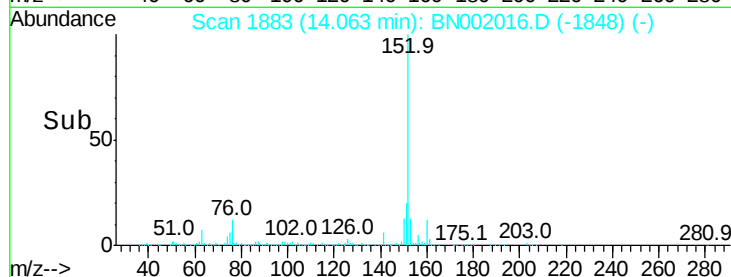
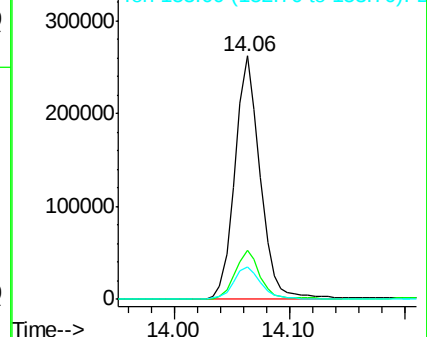
153 13.1 10.8 16.2



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: 4.641 ng/ul

RT: 14.40 min Scan# 1941

Delta R.T. 0.01 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

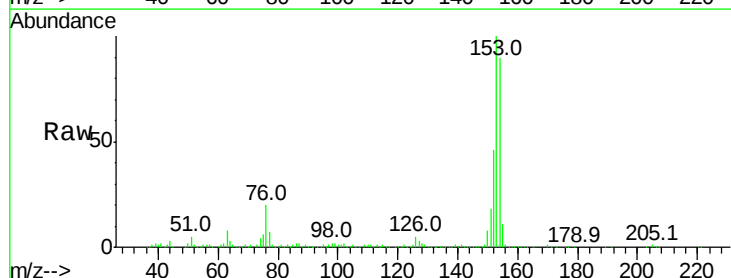
Tgt Ion:153 Resp: 413910

Ion Ratio Lower Upper

153 100

152 45.9 37.9 56.9

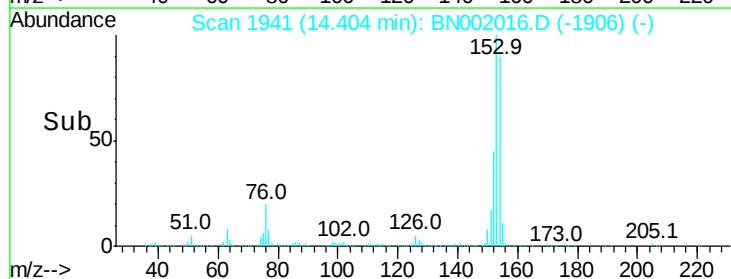
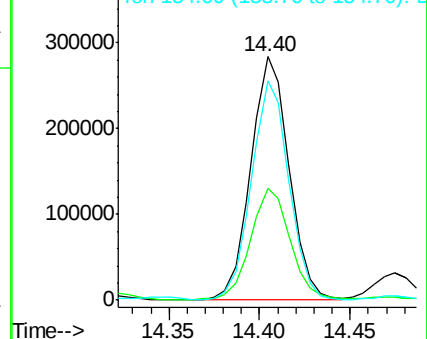
154 90.0 69.8 104.6

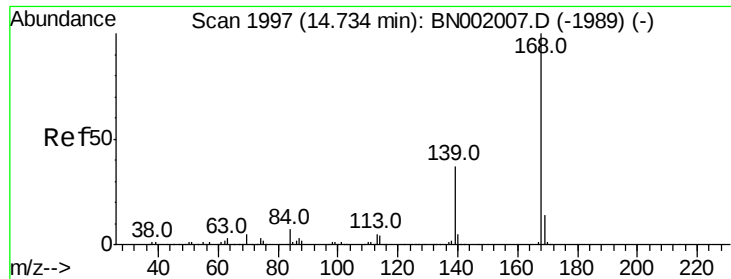


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzofuran

Concen: 4.174 ng/ul

RT: 14.74 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

Instrument :

BNA_N

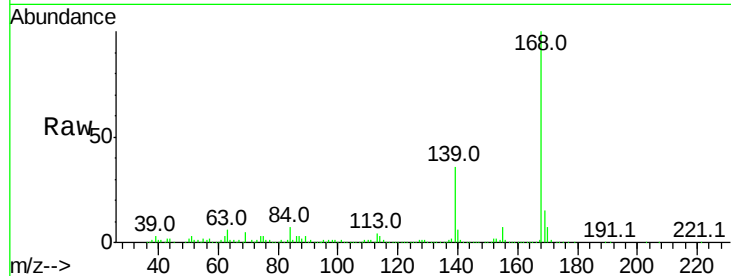
ClientSampleId :

Tot Ion:168 Resp: 534056

Ion Ratio Lower Upper

168 100

139 36.0 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.74

400000

300000

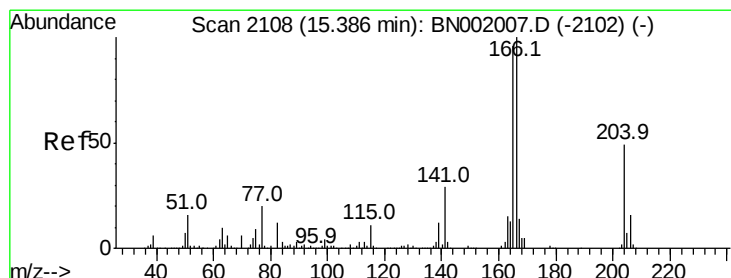
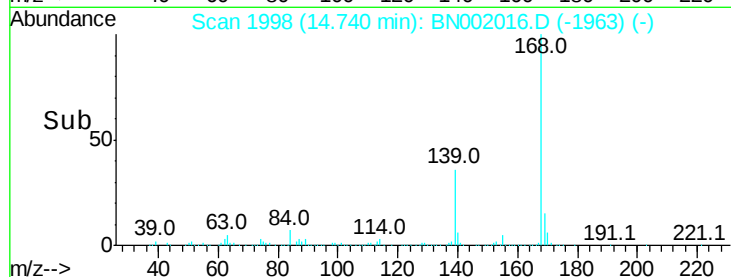
200000

100000

0

14.65 14.70 14.75 14.80

Time-->



#58

Fluorene

Concen: 5.778 ng/ul

RT: 15.39 min Scan# 2109

Delta R.T. 0.01 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

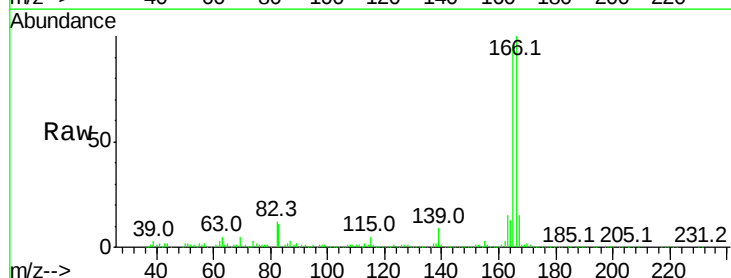
Tgt Ion:166 Resp: 589702

Ion Ratio Lower Upper

166 100

165 95.8 78.4 117.6

167 14.6 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

500000

400000

300000

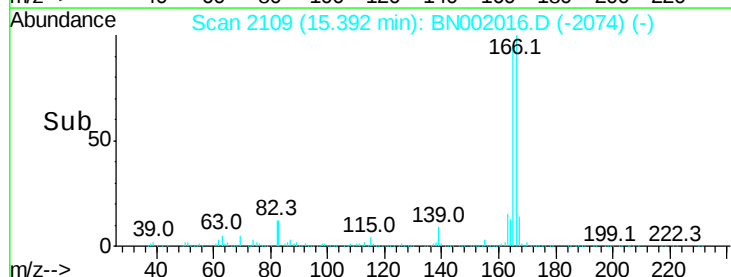
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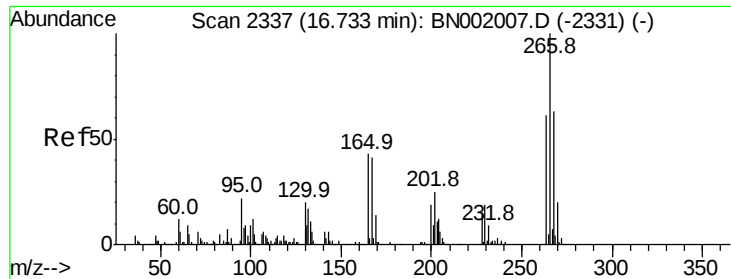
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15.35 15.40 15.45

Time-->

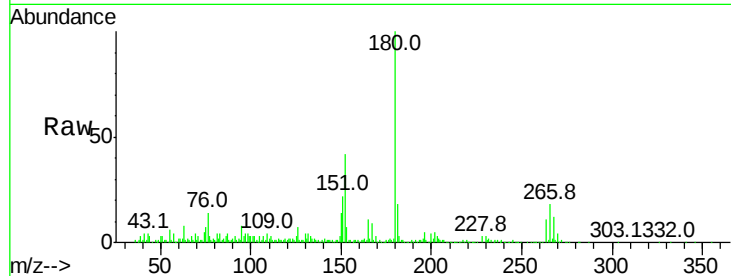




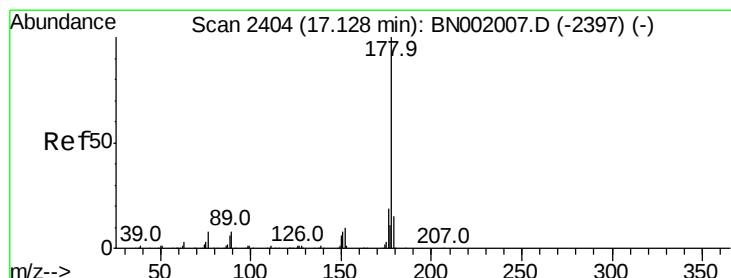
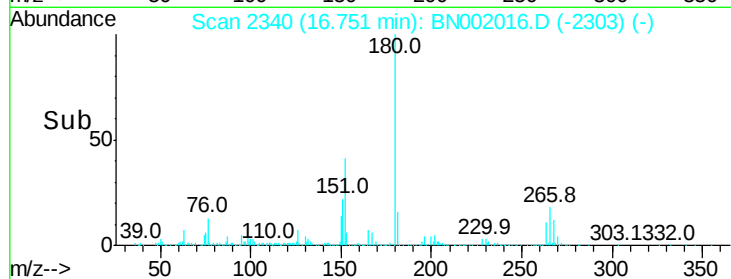
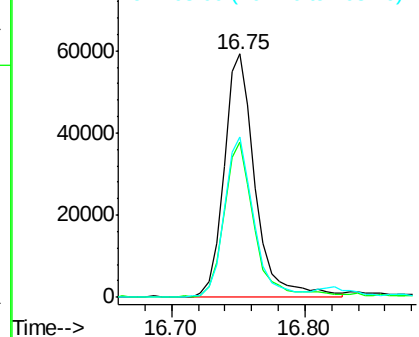
#68
 Pentachlorophenol
 Concen: 5.135 ng/ul
 RT: 16.75 min Scan# 2340
 Delta R.T. 0.02 min
 Lab File: BN002016.D
 Acq: 11 Jul 2018 18:22

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
266	100		
264	64.0	48.2	72.4
268	65.8	52.3	78.5

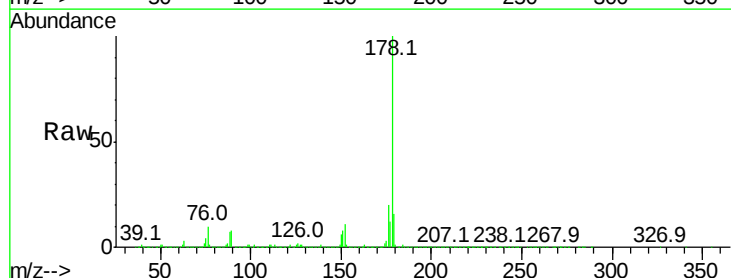


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

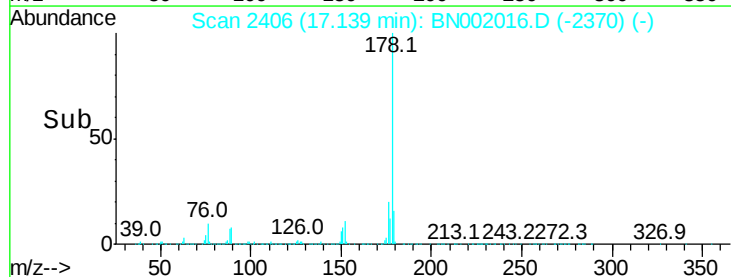
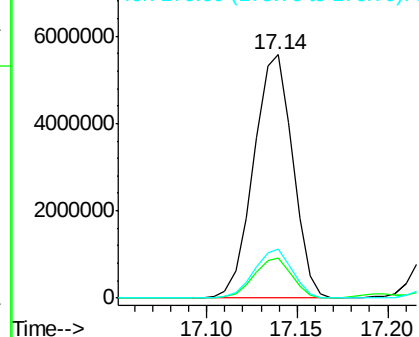


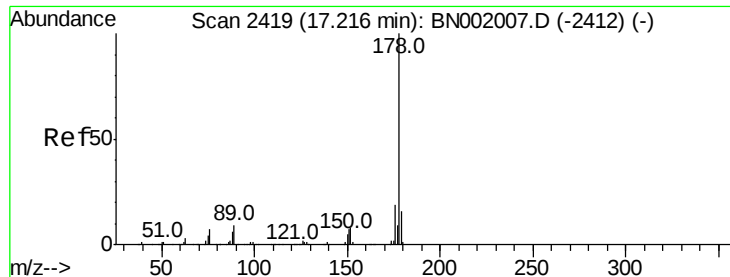
#69
 Phenanthrene
 Concen: 52.718 ng/ul
 RT: 17.14 min Scan# 2406
 Delta R.T. 0.01 min
 Lab File: BN002016.D
 Acq: 11 Jul 2018 18:22

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.3	18.5
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

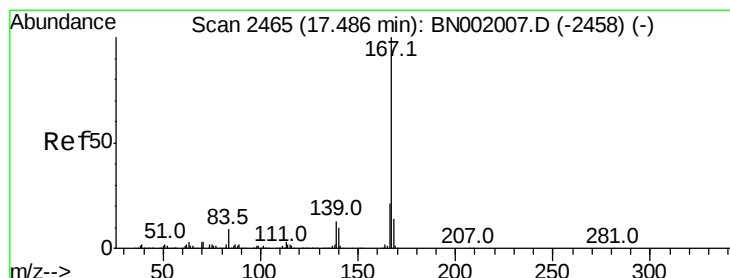
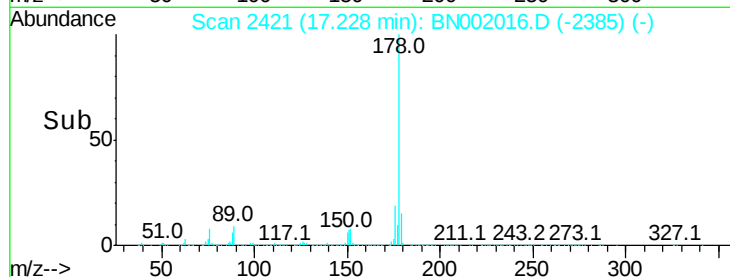
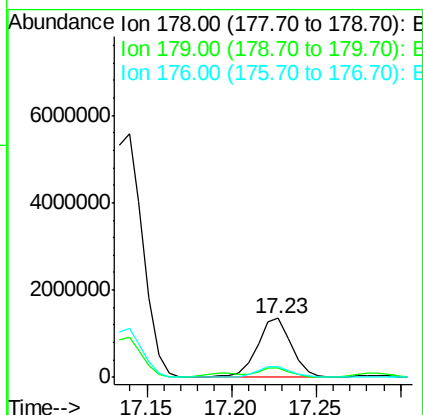
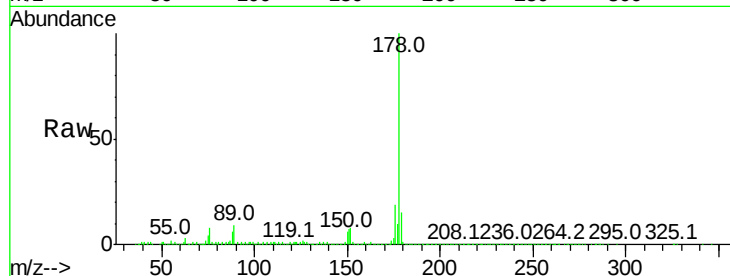




#71
 Anthracene
 Concen: 11.808 ng/ul
 RT: 17.23 min Scan# 2421
 Delta R.T. 0.01 min
 Lab File: BN002016.D
 Acq: 11 Jul 2018 18:22

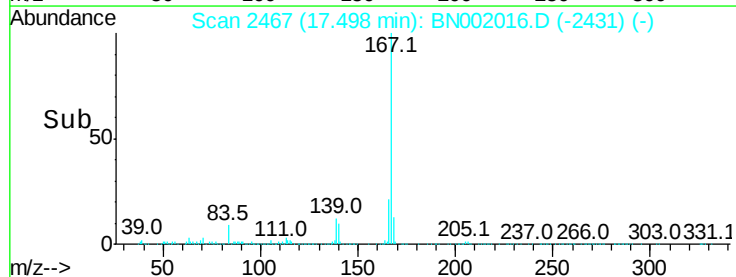
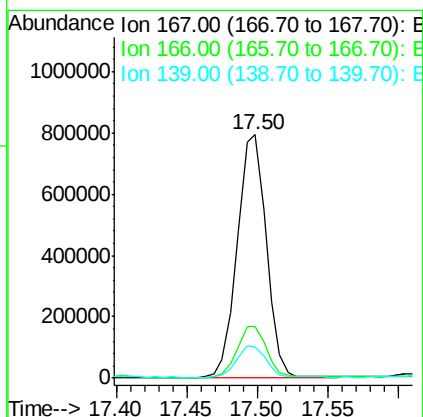
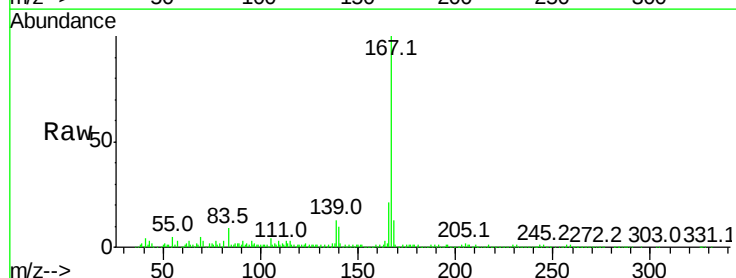
Instrument :
 BNA_N
 ClientSampleId :

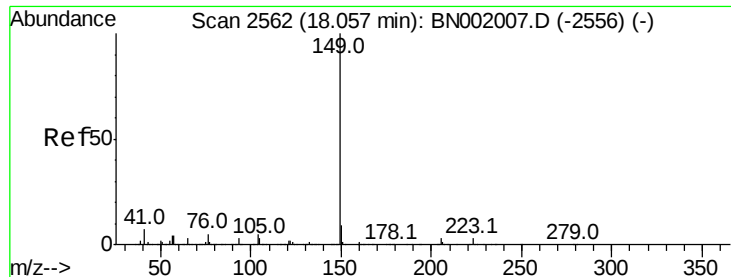
Tot Ion:178 Resp: 1886591
 Ion Ratio Lower Upper
 178 100
 179 15.5 13.4 20.2
 176 19.1 15.4 23.0



#72
 Carbazole
 Concen: 8.506 ng/ul
 RT: 17.50 min Scan# 2467
 Delta R.T. 0.01 min
 Lab File: BN002016.D
 Acq: 11 Jul 2018 18:22

Tgt Ion:167 Resp: 1138364
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.0 25.4
 139 12.6 9.1 13.7





#73

Di-n-butylphthalate

Concen: 20.447 ng/ul

RT: 18.07 min Scan# 2564

Delta R.T. 0.01 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

Instrument :

BNA_N

ClientSampleId :

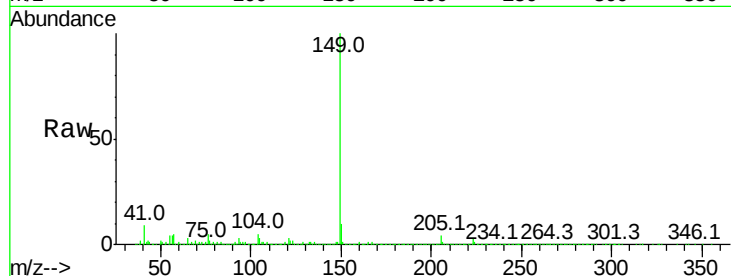
Tot Ion:149 Resp: 3455521

Ion Ratio Lower Upper

149 100

150 9.5 7.5 11.3

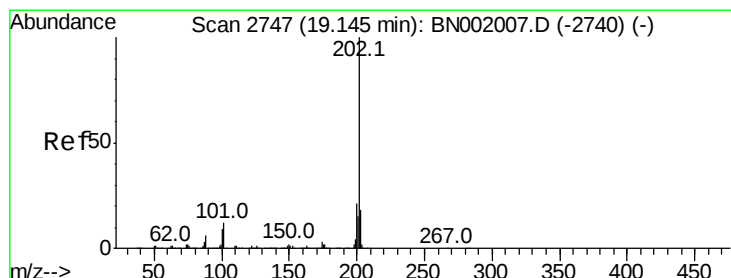
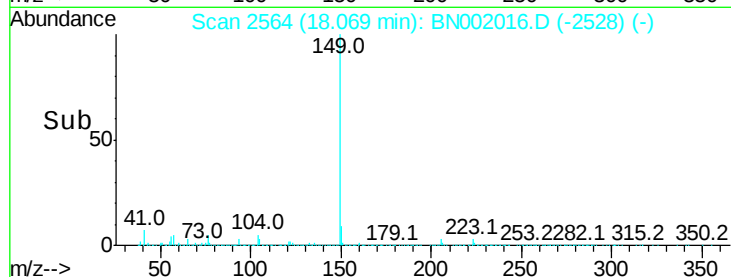
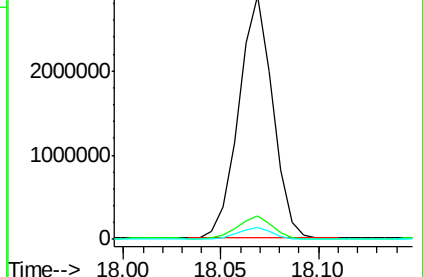
104 4.8 4.1 6.1



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: 70.916 ng/ul

RT: 19.16 min Scan# 2750

Delta R.T. 0.02 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

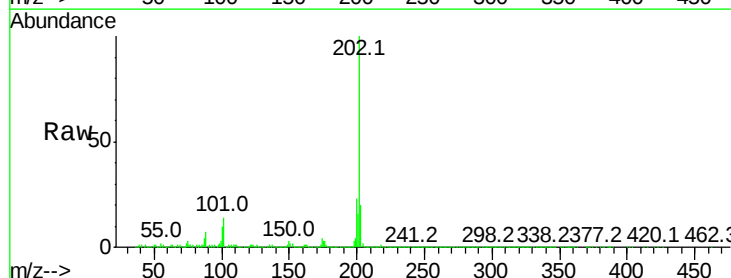
Tgt Ion:202 Resp:11765973

Ion Ratio Lower Upper

202 100

101 13.5 6.1 9.1#

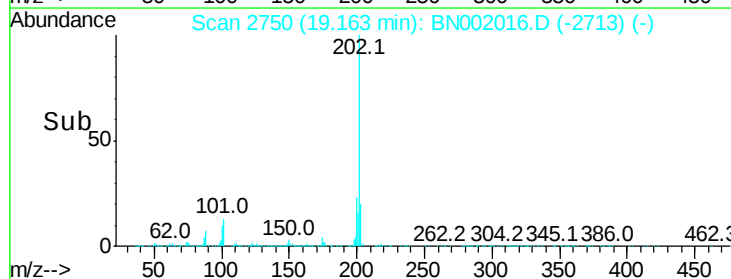
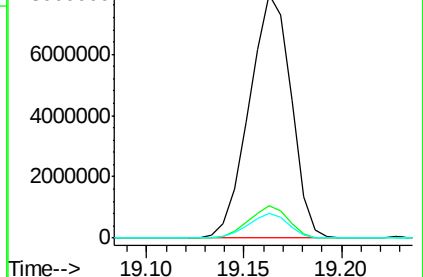
100 10.1 4.6 7.0#

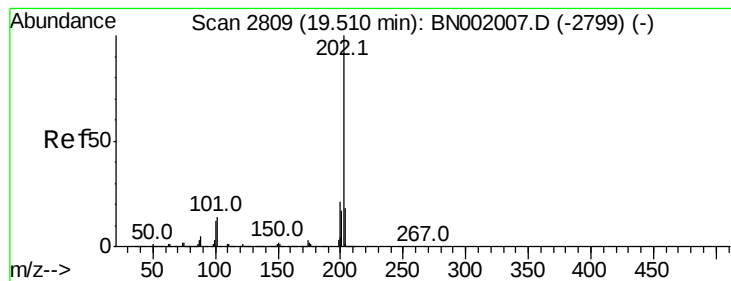


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 73.797 ng/ul

RT: 19.53 min Scan# 2812

Delta R.T. 0.02 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

Instrument :

BNA_N

ClientSampleId :

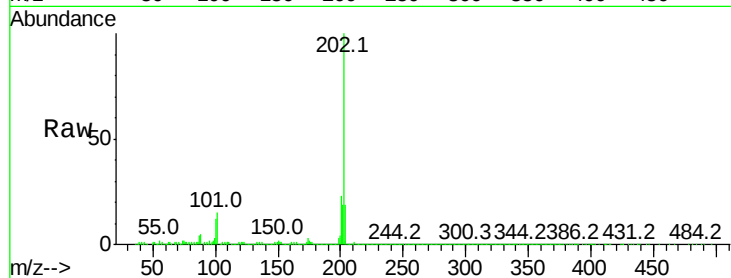
Tot Ion:202 Resp:10212202

Ion Ratio Lower Upper

202 100

101 15.1 6.9 10.3#

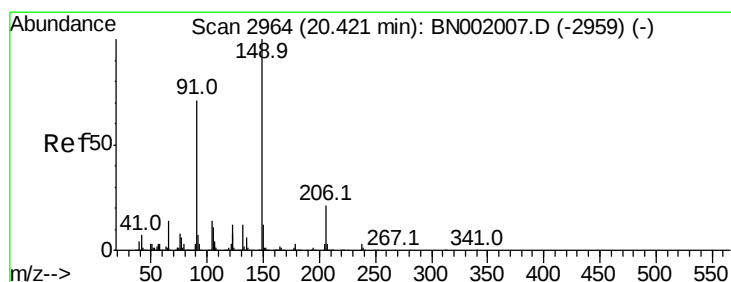
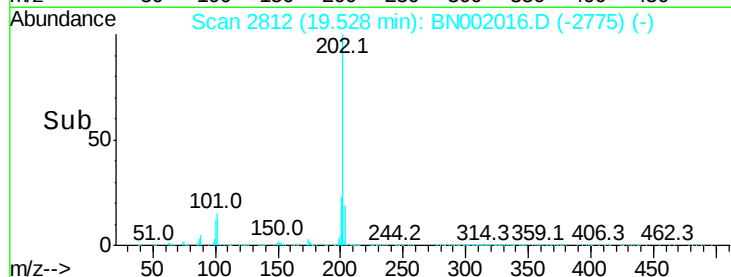
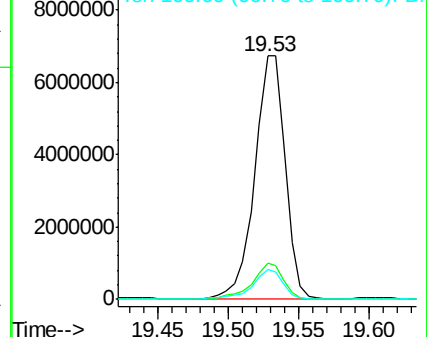
100 12.1 5.6 8.4#



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: 14.133 ng/ul

RT: 20.44 min Scan# 2967

Delta R.T. 0.02 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

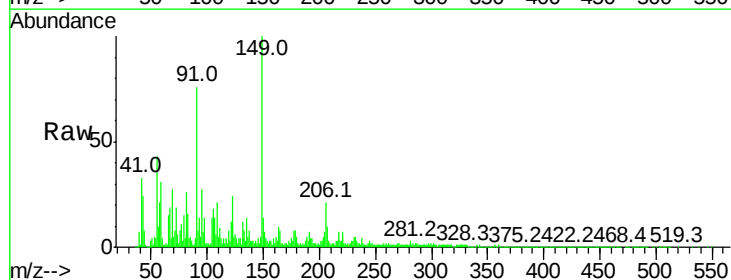
Tgt Ion:149 Resp: 834590

Ion Ratio Lower Upper

149 100

91 76.0 53.4 80.0

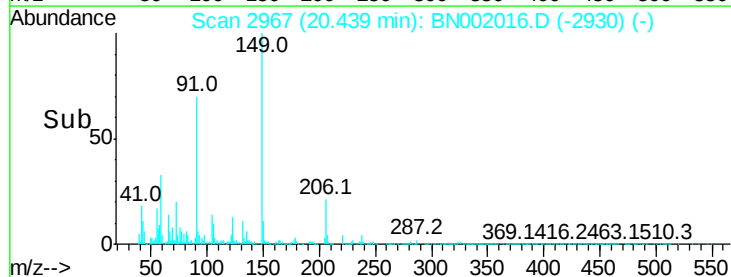
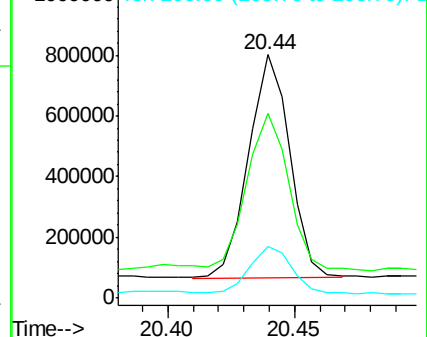
206 21.3 19.3 28.9

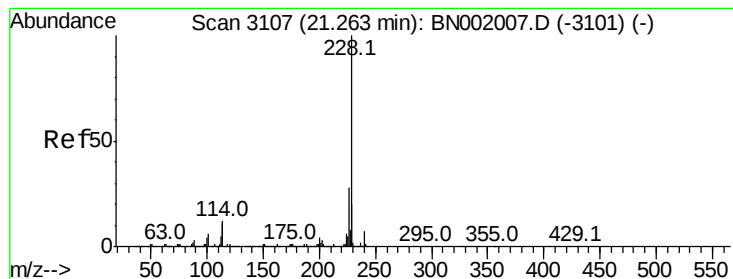


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): B

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 39.342 ng/ul

RT: 21.29 min Scan# 3111

Delta R.T. 0.02 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

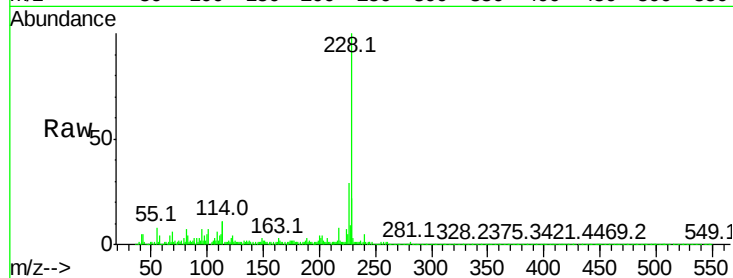
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 5498290

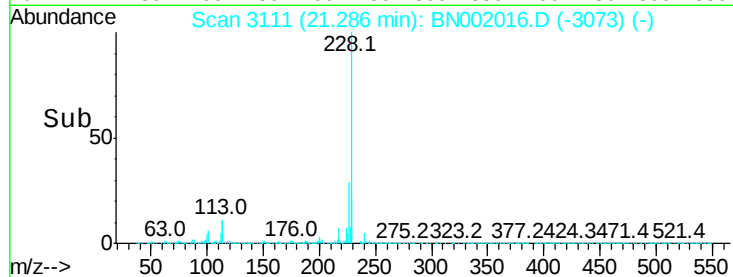
Ion	Ratio	Lower	Upper
228	100		
229	21.9	16.0	24.0
226	28.9	21.8	32.8



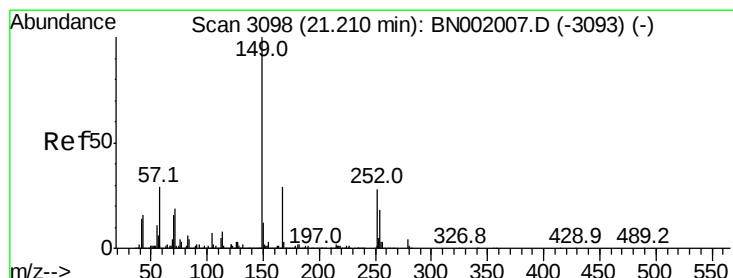
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



Time-->



#81

Bis(2-ethylhexyl)phthalate

Concen: 14.963 ng/ul

RT: 21.23 min Scan# 3101

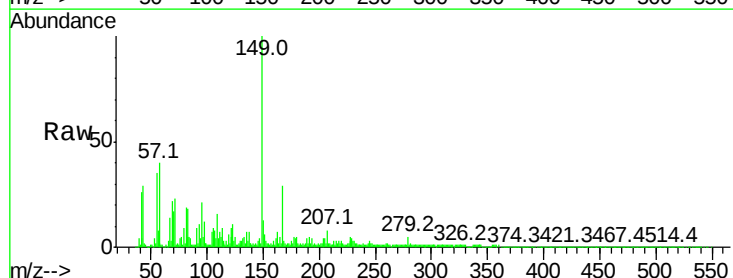
Delta R.T. 0.02 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

Tgt Ion:149 Resp: 1317568

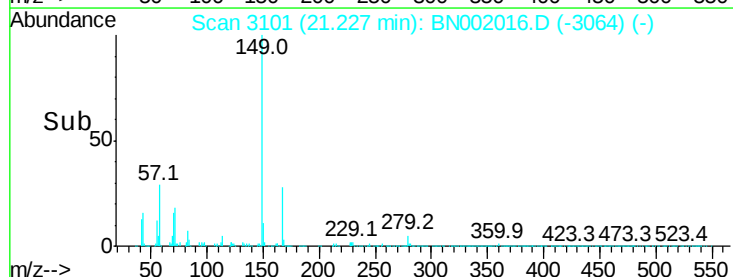
Ion	Ratio	Lower	Upper
149	100		
167	28.9	23.0	34.6
279	4.9	4.3	6.5



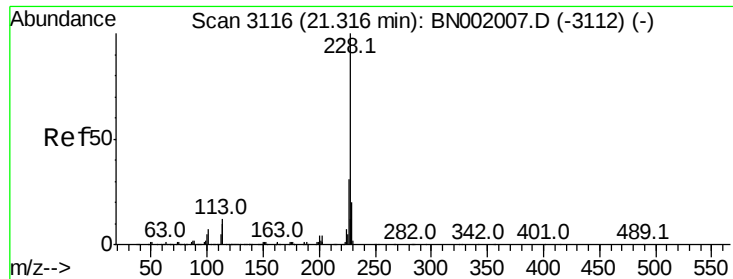
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#82

Chrysene

Concen: 42.492 ng/ul

RT: 21.34 min Scan# 3120

Delta R.T. 0.02 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

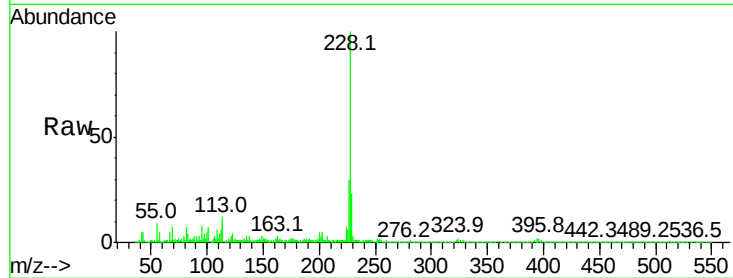
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 5525421

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.1	36.1
229	23.3	16.0	24.0

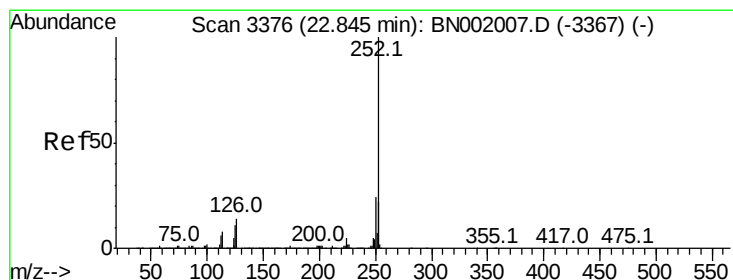
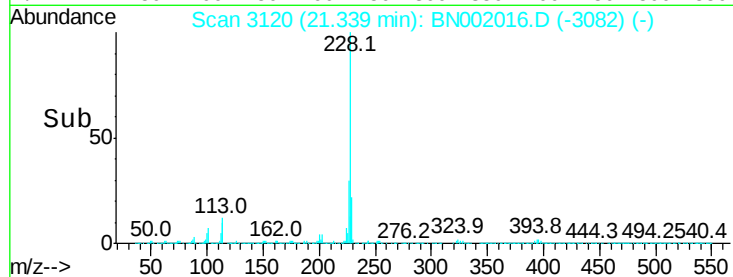
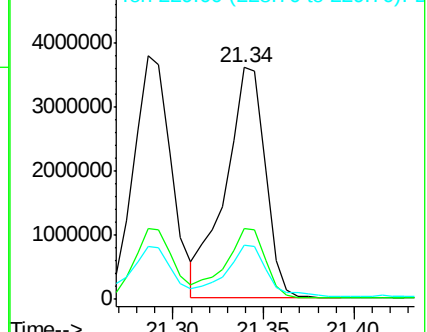


Abundance

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: 50.035 ng/ul

RT: 22.89 min Scan# 3383

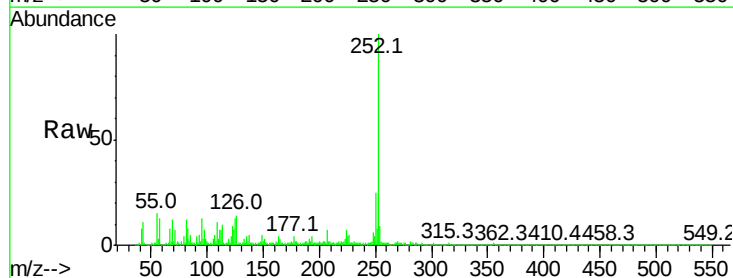
Delta R.T. 0.04 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

Tgt Ion:252 Resp: 6281014

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.0
125	13.4	4.9	7.3

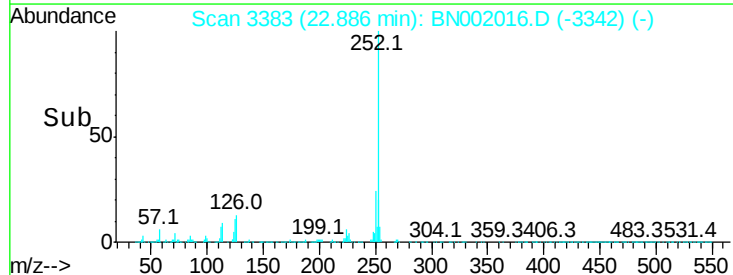
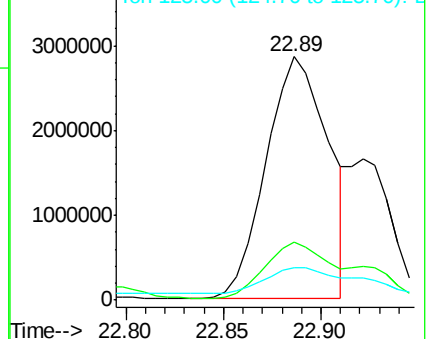


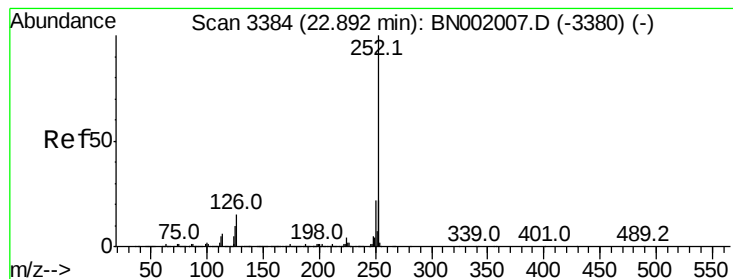
Abundance

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: 51.598 ng/ul

RT: 22.89 min Scan# 3383

Delta R.T. -0.01 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

Instrument :

BNA_N

ClientSampleId :

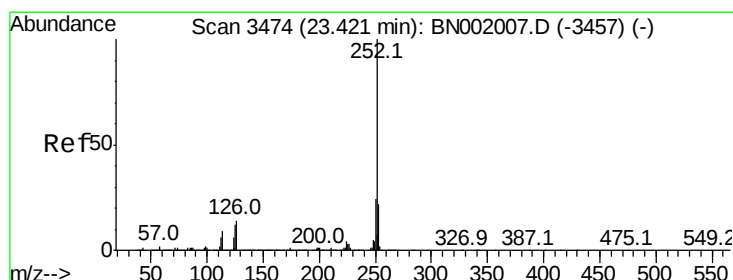
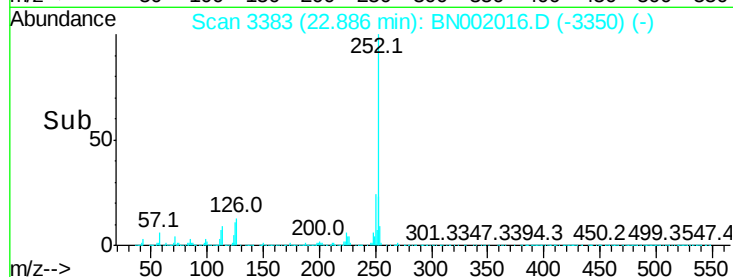
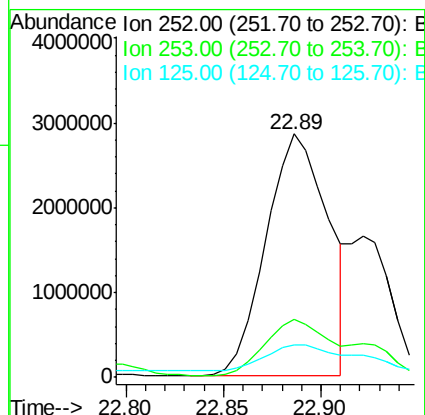
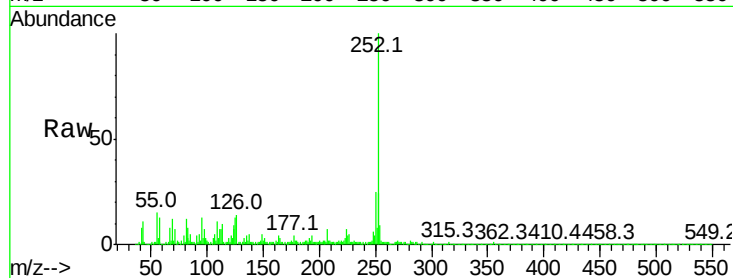
Tot Ion:252 Resp: 6281014

Ion Ratio Lower Upper

252 100

253 23.8 17.1 25.7

125 13.4 5.4 8.0#



#88

Benzo(a)pyrene

Concen: 34.873 ng/ul

RT: 23.46 min Scan# 3480

Delta R.T. 0.04 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

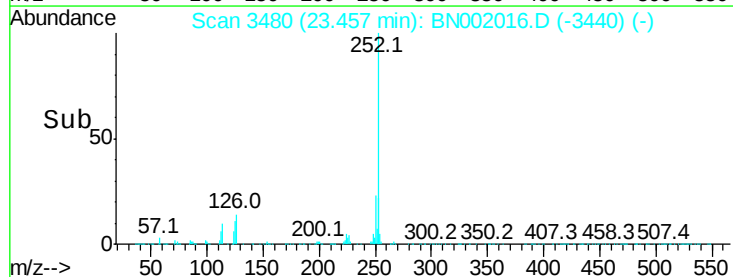
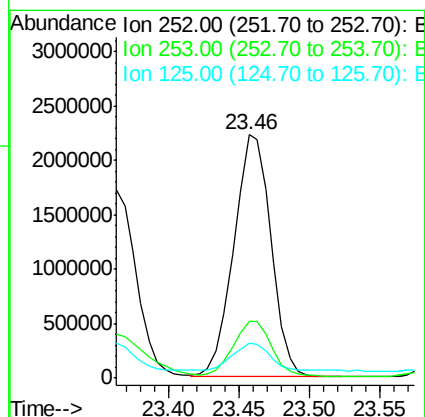
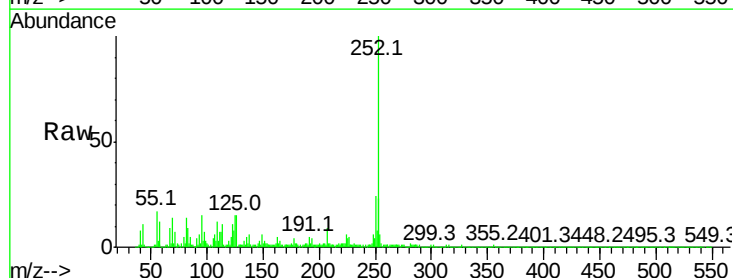
Tgt Ion:252 Resp: 4090958

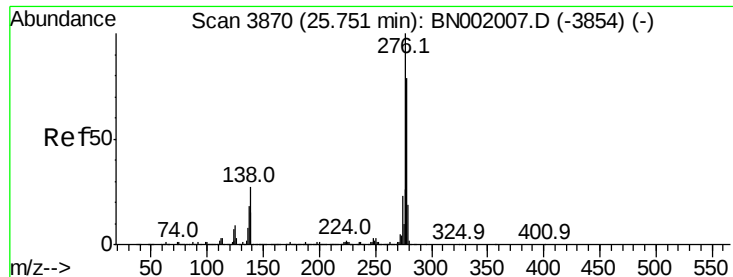
Ion Ratio Lower Upper

252 100

253 23.4 17.2 25.8

125 14.6 5.8 8.6#



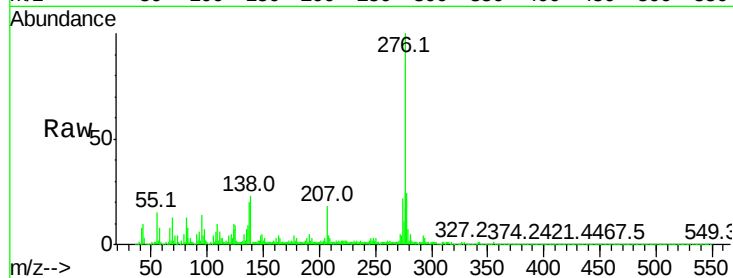


#89

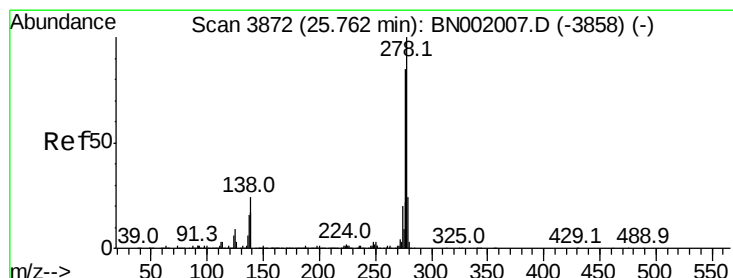
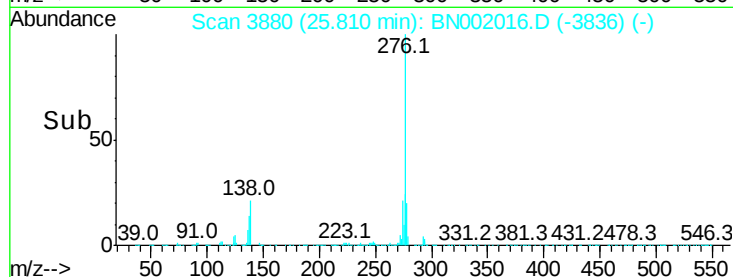
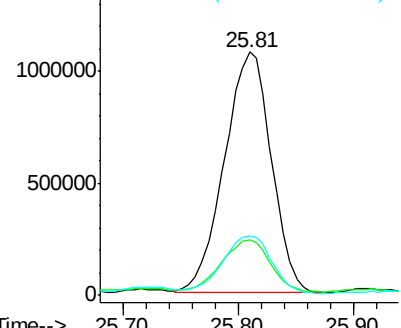
Indeno(1,2,3-cd)pyrene
Concen: 24.321 ng/ul
RT: 25.81 min Scan# 3880
Delta R.T. 0.06 min
Lab File: BN002016.D
Acq: 11 Jul 2018 18:22

Instrument :
BNA_N
ClientSampled :

Tot Ion:276 Resp: 3035829
Ion Ratio Lower Upper
276 100
138 22.7 10.9 16.3#
277 24.5 18.9 28.3



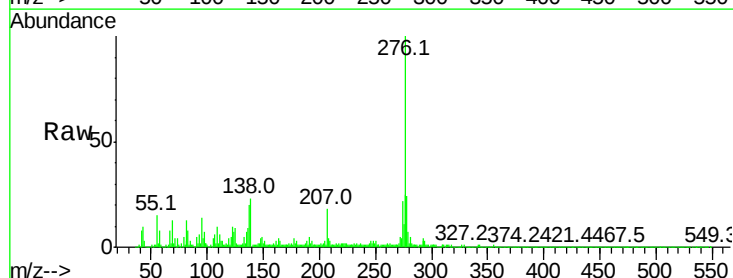
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



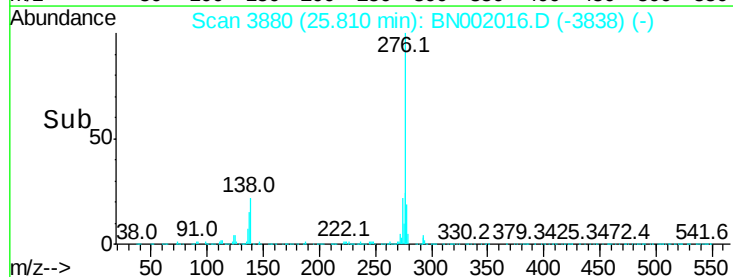
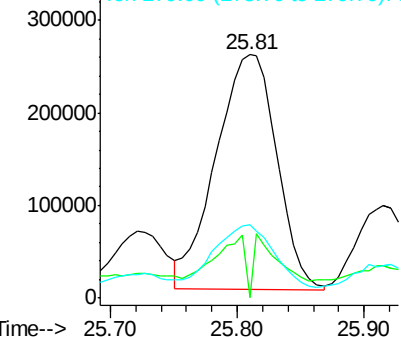
#90

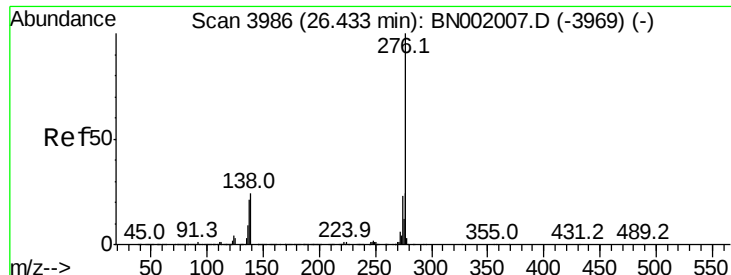
Dibenzo(a,h)anthracene
Concen: 8.094 ng/ul
RT: 25.81 min Scan# 3880
Delta R.T. 0.05 min
Lab File: BN002016.D
Acq: 11 Jul 2018 18:22

Tgt Ion:278 Resp: 840889
Ion Ratio Lower Upper
278 100
139 0.0 9.0 13.4#
279 30.3 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: 25.862 ng/ul

RT: 26.50 min Scan# 3997

Delta R.T. 0.06 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

Instrument :

BNA_N

ClientSampleId :

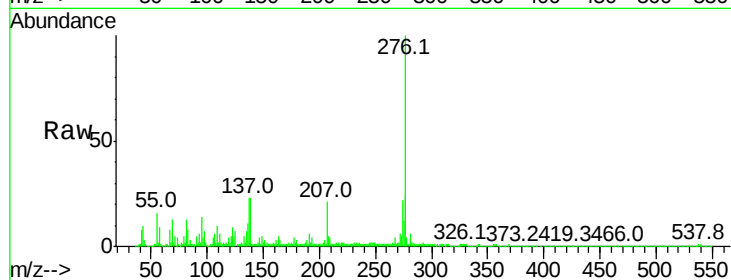
Tot Ion:276 Resp: 2663018

Ion Ratio Lower Upper

276 100

138 23.2 11.2 16.8#

277 23.9 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

