

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100518\
 Data File : BN002950.D
 Acq On : 05 Oct 2018 01:28
 Operator : MJ/SJ
 Sample : J5183-13
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 05 05:39:50 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 05 02:27:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	144660	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	674962	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	404037	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	889346	20.00	ng/ul	0.00
77) Chrysene-d12	21.23	240	691199	20.00	ng/ul	0.00
85) Perylene-d12	23.44	264	637299	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	6944	2.21	ng/uL	0.00
5) Phenol-d5	6.82	99	176330	14.35	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.97	67	110814	14.53	ng/ul	0.00
9) 2-Chlorophenol-d4	7.17	132	149679	14.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	133747	14.06	ng/ul	0.01
19) Nitrobenzene-d5	8.78	128	74876	14.32	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	88066	14.88	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.04	165	154674	14.48	ng/ul	0.01
29) 4-Chloroaniline-d4	10.55	131	163691	13.25	ng/ul	0.00
43) Dimethylphthalate-d6	13.68	166	483104	15.28	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	633611	15.34	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	60210	11.51	ng/ul	0.03
57) Fluorene-d10	15.26	176	441233	15.92	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.42	200	21194	3.81	ng/ul	0.01
70) Anthracene-d10	17.12	188	673319	15.86	ng/ul	0.00
78) Pyrene-d10	19.42	212	664591	18.22	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.30	264	527907	15.74	ng/ul	0.01

Target Compounds

					Ovalue	
6) Phenol	6.85	94	24457	1.974	ng/ul	93
28) Naphthalene	10.45	128	122366	3.518	ng/ul	98
30) 4-Chloroaniline	10.45	127	15913	1.286	ng/ul#	1
34) 2-Methylnaphthalene	12.06	142	25125	1.033	ng/ul	97
44) Dimethylphthalate	13.73	163	301216	9.758	ng/ul	99
45) 2,6-Dinitrotoluene	13.80	165	6871	1.105	ng/ul#	42
49) Acenaphthene	14.33	153	39338	1.431	ng/ul	98
53) Dibenzofuran	14.67	168	44924	1.189	ng/ul	96
58) Fluorene	15.32	166	48147	1.591	ng/ul	99
69) Phenanthrene	17.06	178	914069	18.654	ng/ul	99
71) Anthracene	17.15	178	258305	5.199	ng/ul	99
74) Carbazole	17.43	167	109136	2.560	ng/ul	99
75) Di-n-butylphthalate	17.99	149	200131	3.912	ng/ul	98
76) Fluoranthene	19.09	202	2167568	41.468	ng/ul	98
79) Pyrene	19.46	202	2123883	46.474	ng/ul	98
80) Butylbenzylphthalate	20.36	149	143848	7.564	ng/ul	98
82) Benzo(a)anthracene	21.22	228	988857	22.997	ng/ul	97
83) Bis(2-ethylhexyl)phthalate	21.15	149	6759536	244.837	ng/ul#	95
84) Chrysene	21.26	228	1611493	39.984	ng/ul	98
86) Di-n-octyl phthalate	22.02	149	115254	2.736	ng/ul#	25
87) Benzo(b)fluoranthene	22.79	252	1283217	32.970	ng/ul#	95
88) Benzo(k)fluoranthene	22.79	252	1283217	35.340	ng/ul#	97
90) Benzo(a)pyrene	23.34	252	668097	18.157	ng/ul#	96

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 05 02:27:06 2018
Response via : Initial Calibration

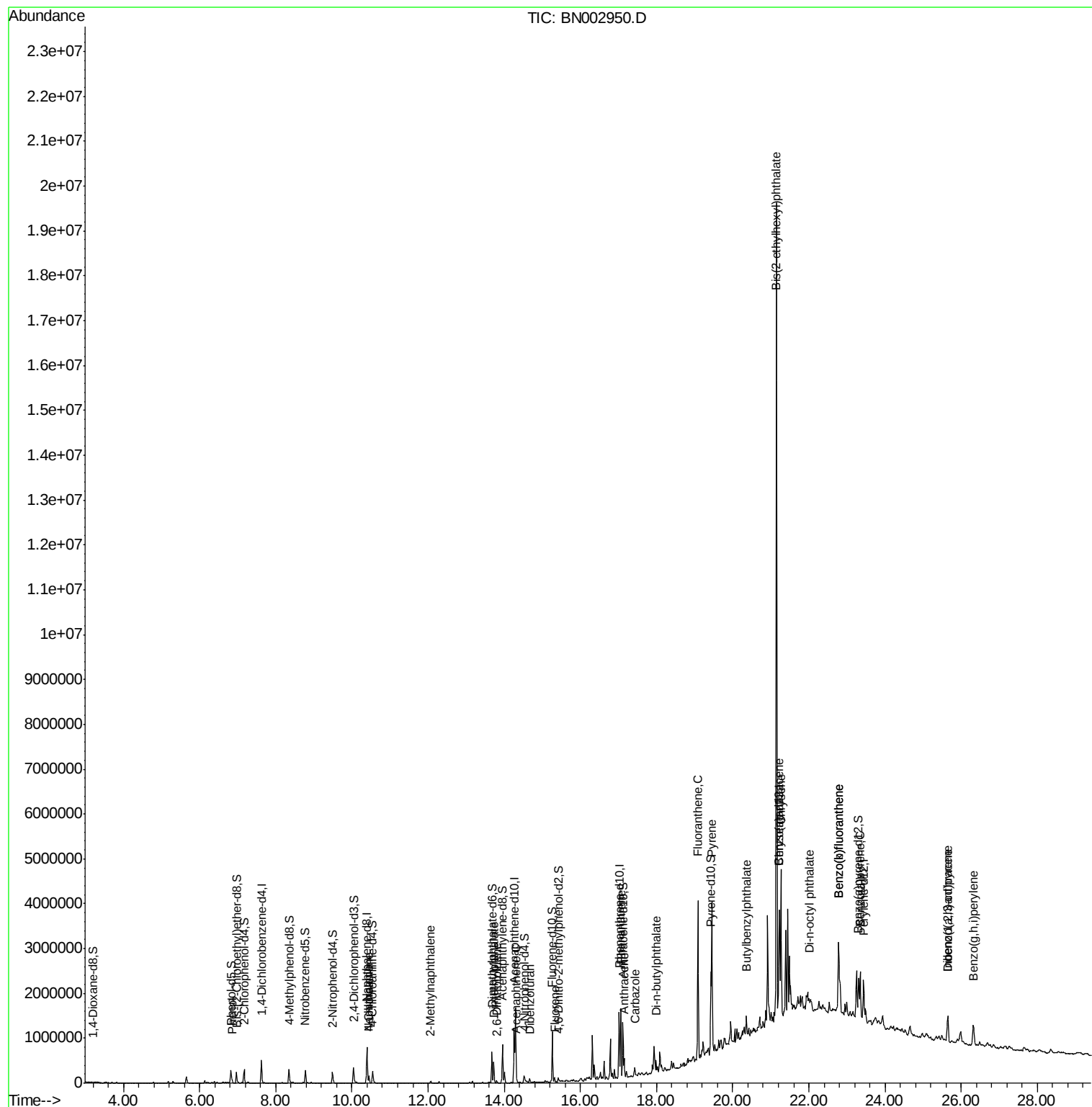
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Indeno(1,2,3-cd)pyrene	25.64	276	513813	11.795	ng/ul	97
92) Dibenzo(a,h)anthracene	25.64	278	144677	3.942	ng/ul#	87
93) Benzo(g,h,i)perylene	26.32	276	546778	15.015	ng/ul	98

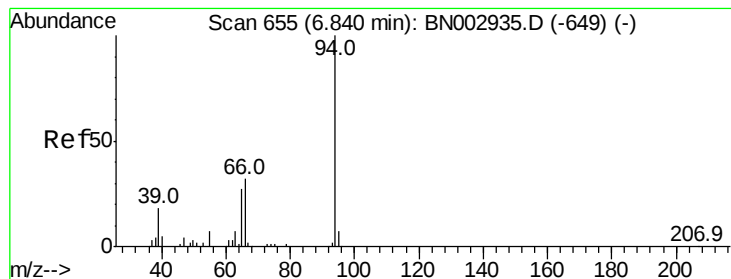
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 1.974 ng/ul

RT: 6.85 min Scan# 657

Delta R.T. 0.01 min

Lab File: BN002950.D

Acq: 05 Oct 2018 01:28

Instrument :

BNA_N

ClientSampleId :

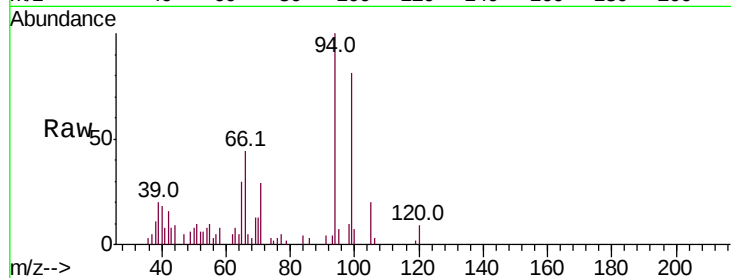
Tot Ion: 94 Resp: 24457

Ion Ratio Lower Upper

94 100

65 30.2 23.1 34.7

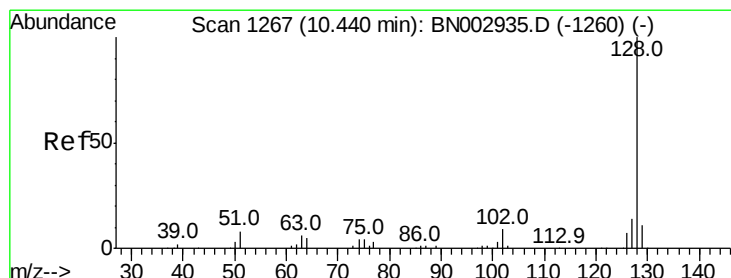
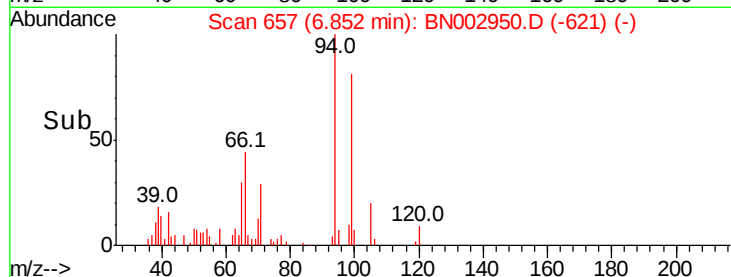
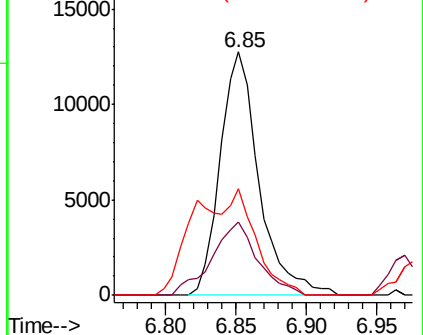
66 43.9 29.8 44.6



Abundance Ion 94.00 (93.70 to 94.70): BN002935.D (-649) (-)

Ion 65.00 (64.70 to 65.70): BN002935.D (-649) (-)

Ion 66.00 (65.70 to 66.70): BN002935.D (-649) (-)



#28

Naphthalene

Concen: 3.518 ng/ul

RT: 10.45 min Scan# 1268

Delta R.T. 0.01 min

Lab File: BN002950.D

Acq: 05 Oct 2018 01:28

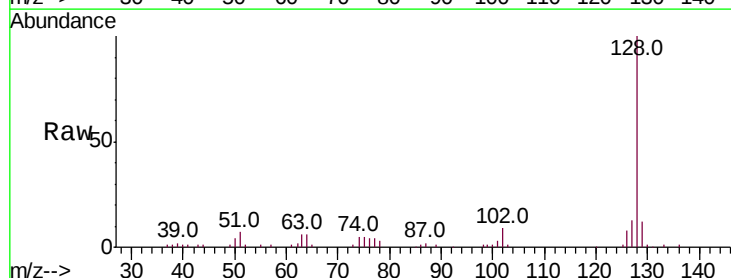
Tgt Ion: 128 Resp: 122366

Ion Ratio Lower Upper

128 100

129 11.9 8.3 12.5

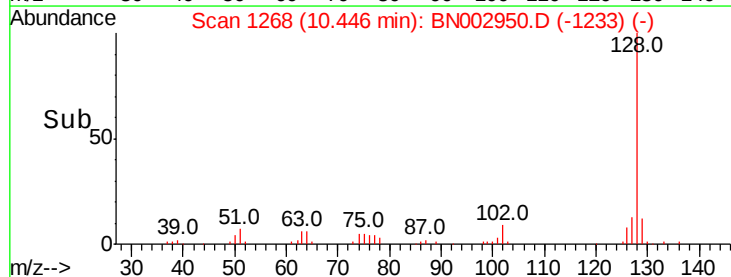
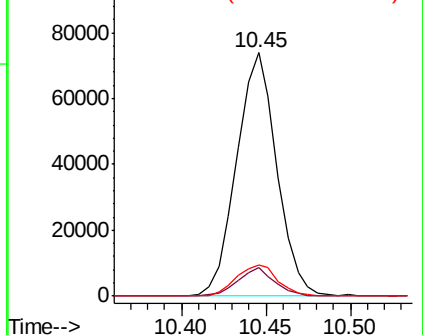
127 12.6 10.5 15.7

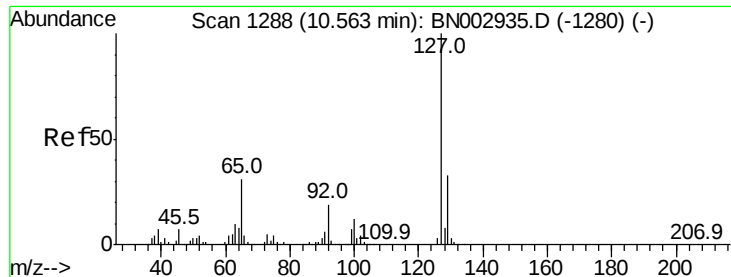


Abundance Ion 128.00 (127.70 to 128.70): BN002935.D (-1260) (-)

Ion 129.00 (128.70 to 129.70): BN002935.D (-1260) (-)

Ion 127.00 (126.70 to 127.70): BN002935.D (-1260) (-)

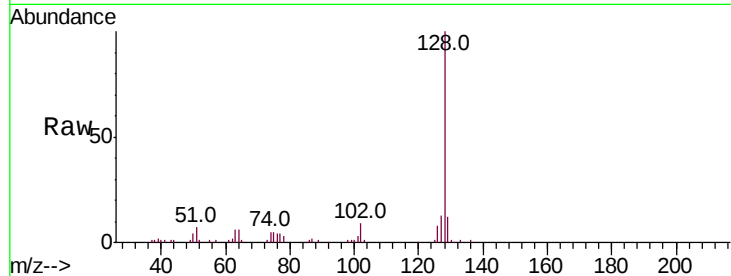




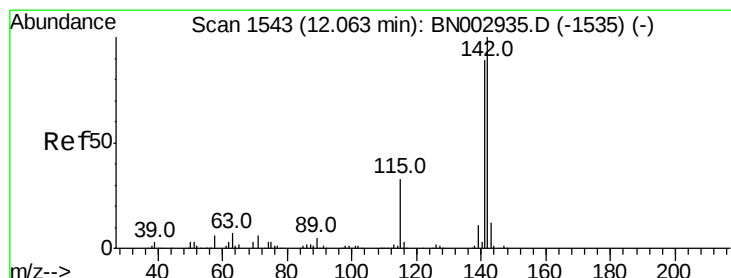
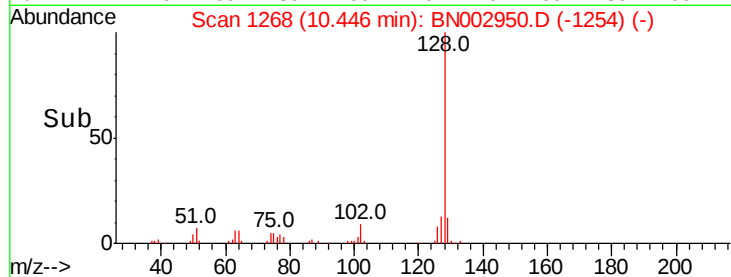
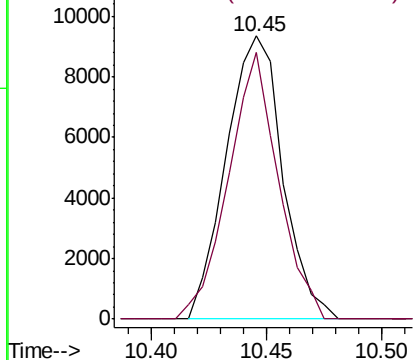
#30
4-Chloroaniline
Concen: 1.286 ng/ul
RT: 10.45 min Scan# 1268
Delta R.T. -0.12 min
Lab File: BN002950.D
Acq: 05 Oct 2018 01:28

Instrument :
BNA_N
ClientSampled :

Tot Ion:127 Resp: 15913
Ion Ratio Lower Upper
127 100
129 94.4 24.5 36.7#

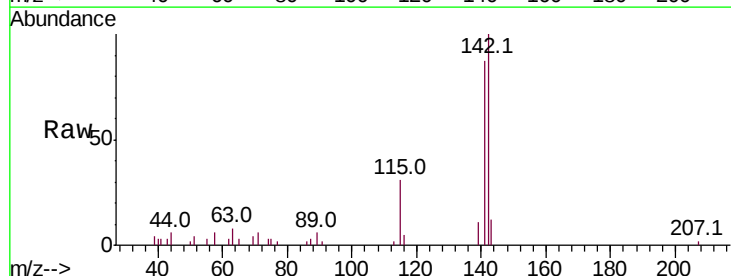


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

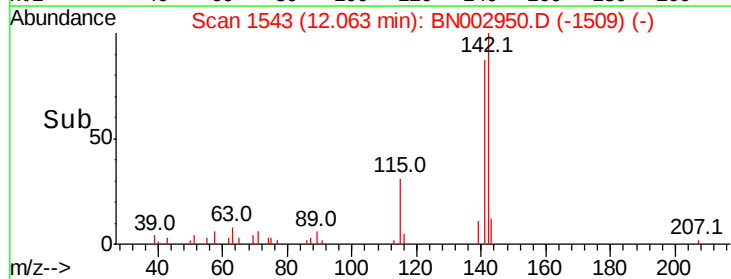
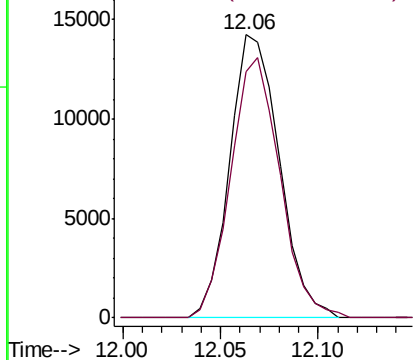


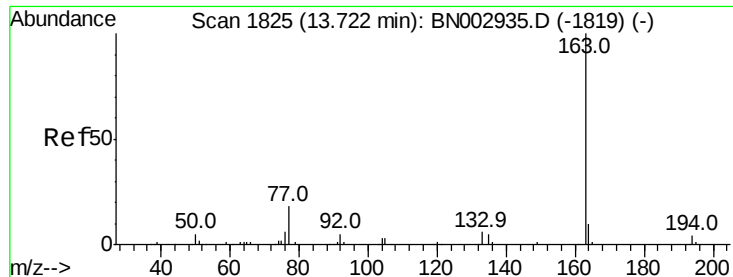
#34
2-Methylnaphthalene
Concen: 1.033 ng/ul
RT: 12.06 min Scan# 1543
Delta R.T. -0.00 min
Lab File: BN002950.D
Acq: 05 Oct 2018 01:28

Tgt Ion:142 Resp: 25125
Ion Ratio Lower Upper
142 100
141 87.1 71.8 107.8



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

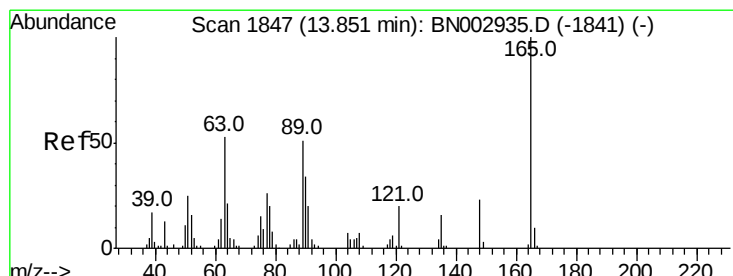
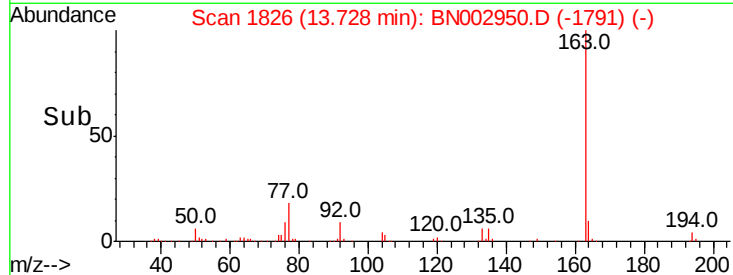
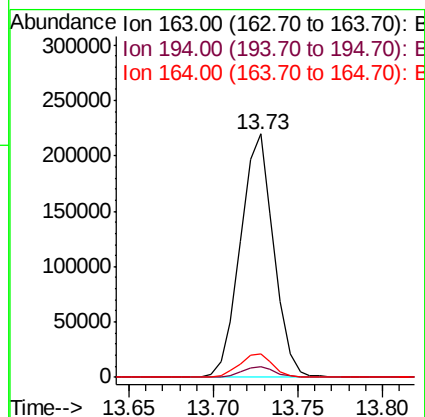
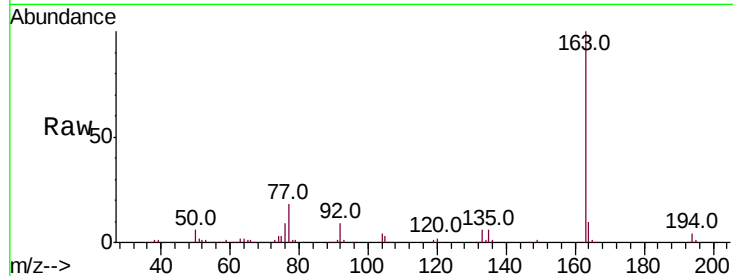




#44
Dimethylphthalate
Concen: 9.758 ng/ul
RT: 13.73 min Scan# 1826
Delta R.T. 0.01 min
Lab File: BN002950.D
Acq: 05 Oct 2018 01:28

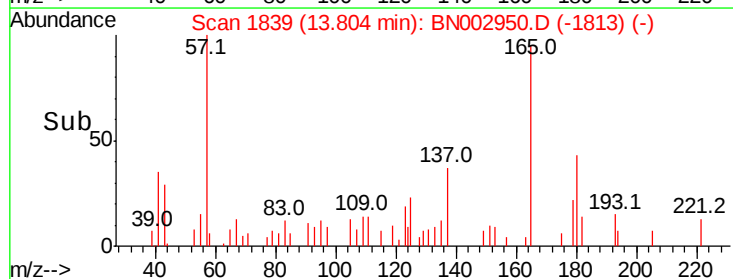
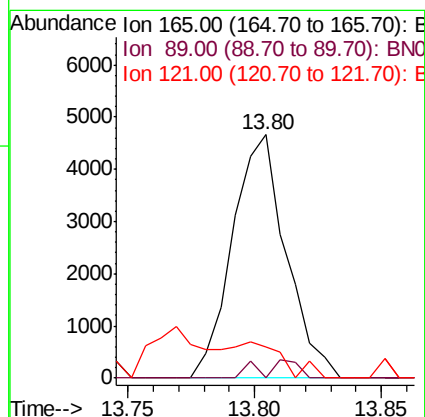
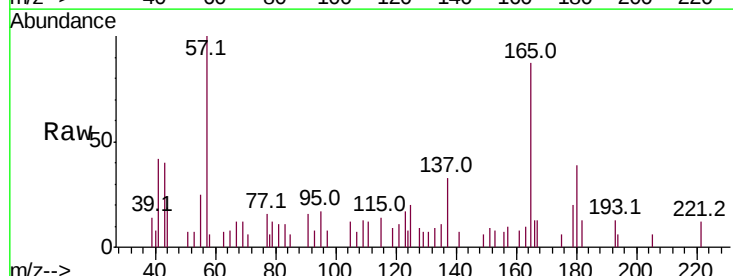
Instrument :
BNA_N
ClientSampleId :

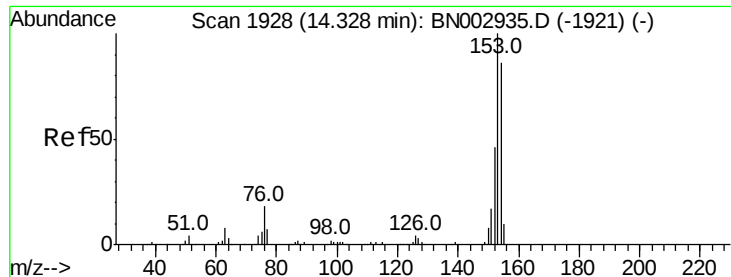
Tot Ion:163 Resp: 301216
Ion Ratio Lower Upper
163 100
194 4.3 3.5 5.3
164 9.6 8.1 12.1



#45
2,6-Dinitrotoluene
Concen: 1.105 ng/ul
RT: 13.80 min Scan# 1839
Delta R.T. -0.05 min
Lab File: BN002950.D
Acq: 05 Oct 2018 01:28

Tgt Ion:165 Resp: 6871
Ion Ratio Lower Upper
165 100
89 0.0 41.7 62.5#
121 12.9 16.6 24.8#





#49

Acenaphthene

Concen: 1.431 ng/ul

RT: 14.33 min Scan# 1928

Delta R.T. -0.00 min

Lab File: BN002950.D

Acq: 05 Oct 2018 01:28

Instrument :

BNA_N

ClientSampleId :

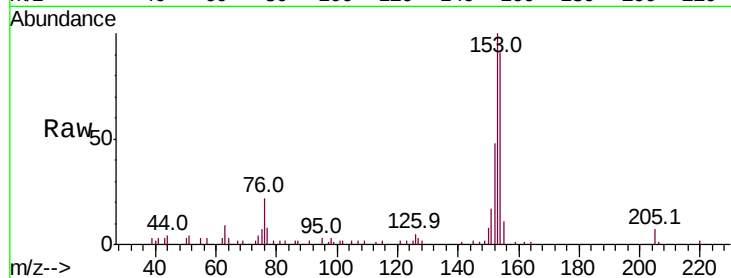
Tot Ion:153 Resp: 39338

Ion Ratio Lower Upper

153 100

152 48.3 37.8 56.6

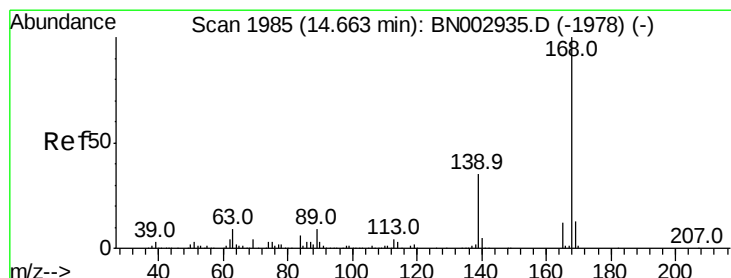
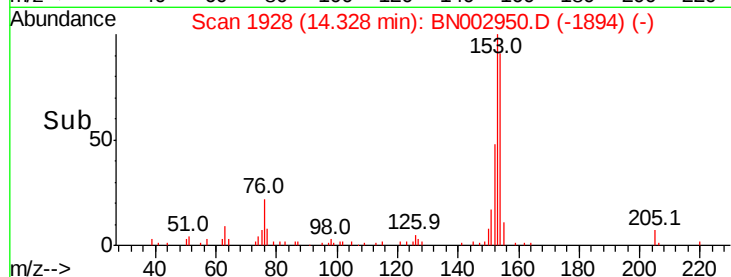
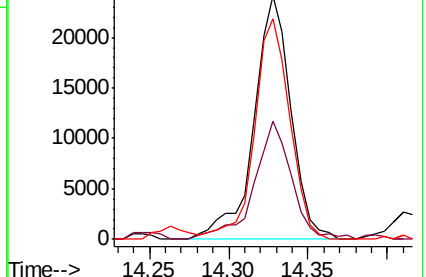
154 90.6 70.9 106.3



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: 1.189 ng/ul

RT: 14.67 min Scan# 1986

Delta R.T. 0.01 min

Lab File: BN002950.D

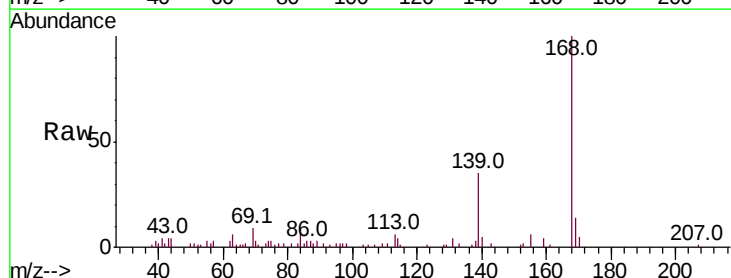
Acq: 05 Oct 2018 01:28

Tgt Ion:168 Resp: 44924

Ion Ratio Lower Upper

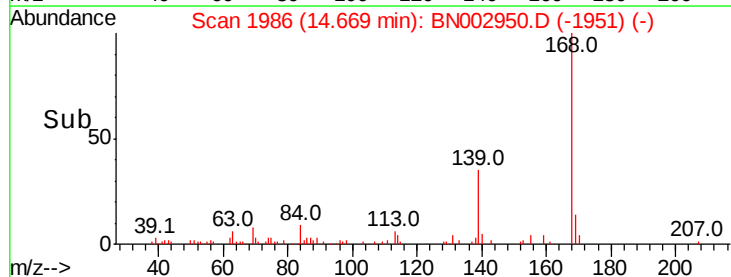
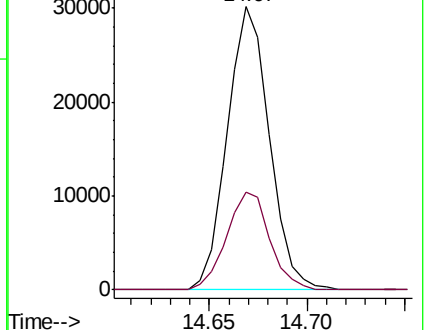
168 100

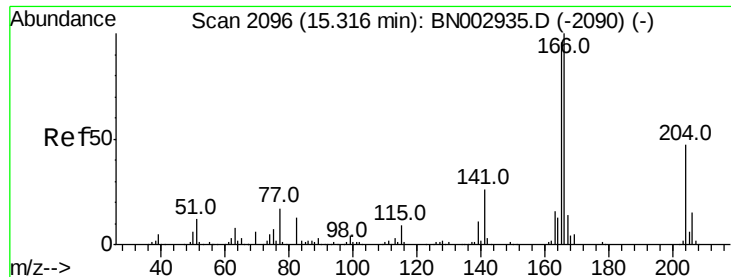
139 34.5 29.4 44.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 1.591 ng/ul

RT: 15.32 min Scan# 2097

Delta R.T. 0.01 min

Lab File: BN002950.D

Acq: 05 Oct 2018 01:28

Instrument :

BNA_N

ClientSampleId :

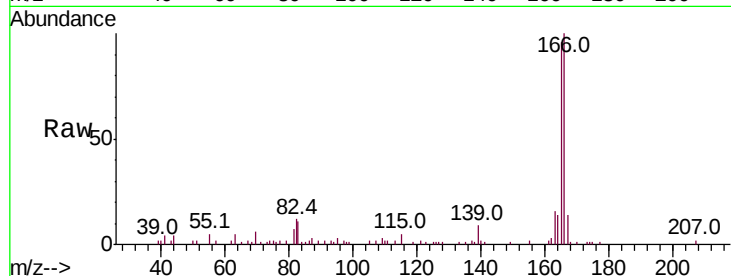
Tot Ion:166 Resp: 48147

Ion Ratio Lower Upper

166 100

165 96.3 78.3 117.5

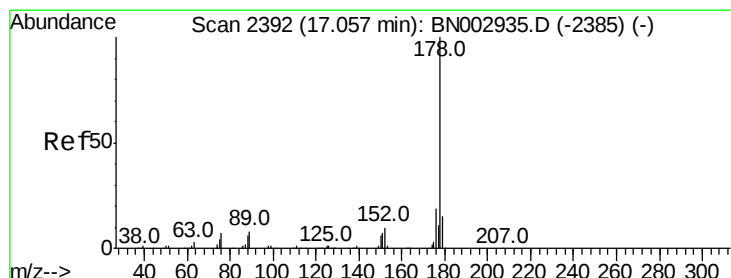
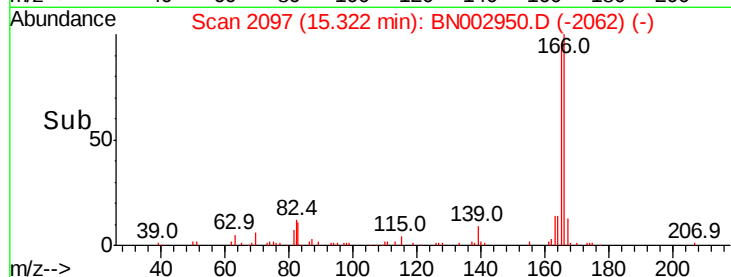
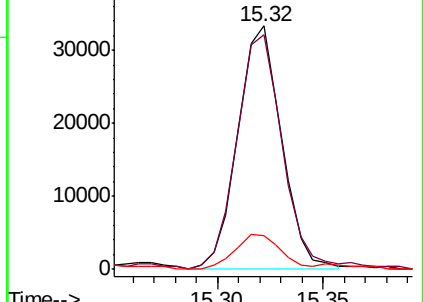
167 13.8 11.0 16.6



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



#69

Phenanthrene

Concen: 18.654 ng/ul

RT: 17.06 min Scan# 2393

Delta R.T. 0.01 min

Lab File: BN002950.D

Acq: 05 Oct 2018 01:28

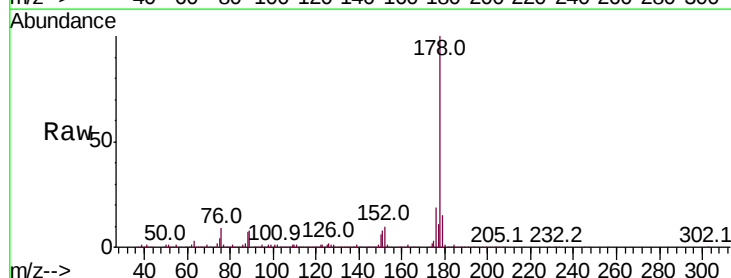
Tgt Ion:178 Resp: 914069

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.4

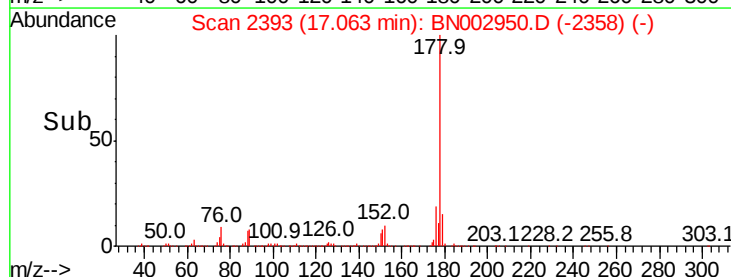
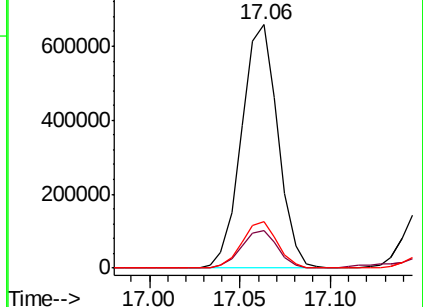
176 19.2 15.0 22.6

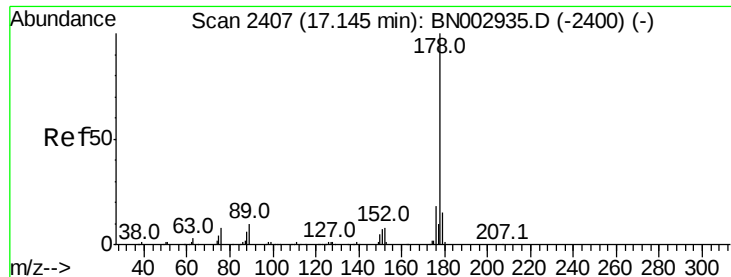


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 5.199 ng/ul

RT: 17.15 min Scan# 2408

Delta R.T. 0.01 min

Lab File: BN002950.D

Acq: 05 Oct 2018 01:28

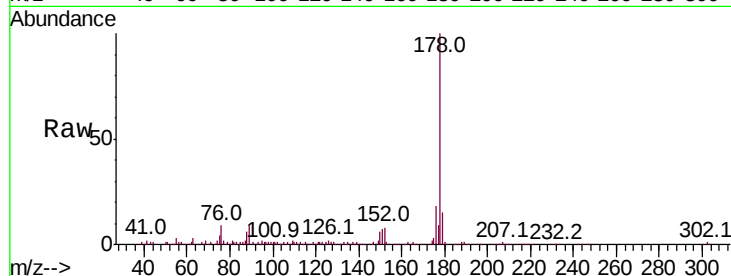
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 258305

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.0	18.0
176	18.3	15.0	22.4



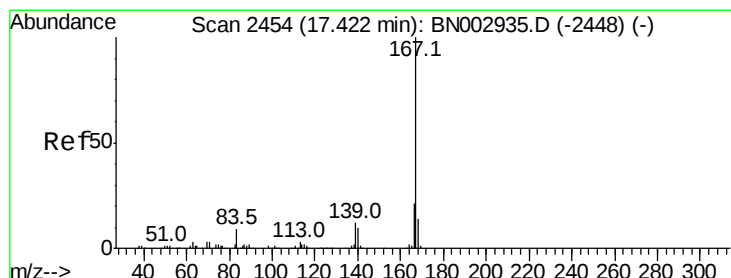
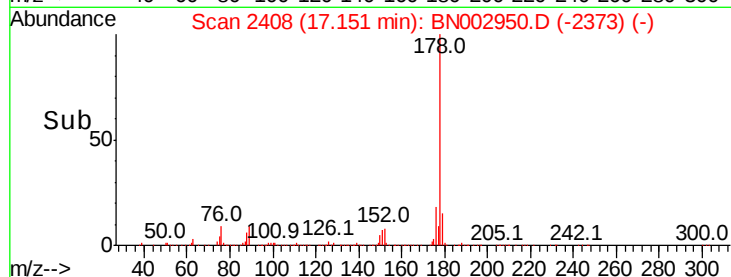
Abundance

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-->



#74

Carbazole

Concen: 2.560 ng/ul

RT: 17.43 min Scan# 2455

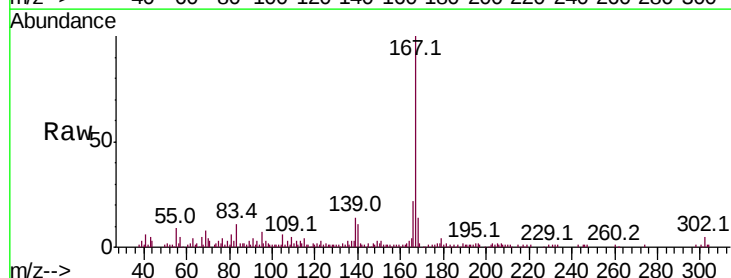
Delta R.T. 0.01 min

Lab File: BN002950.D

Acq: 05 Oct 2018 01:28

Tgt Ion:167 Resp: 109136

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.0	25.6
139	13.6	10.7	16.1



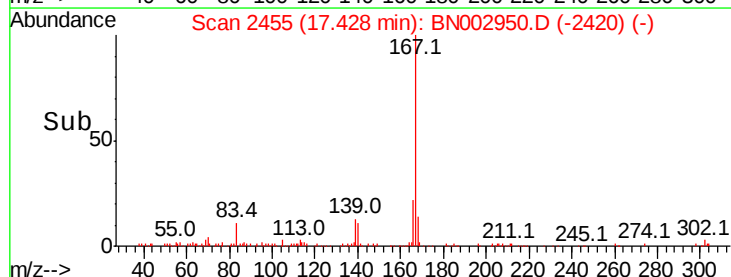
Abundance

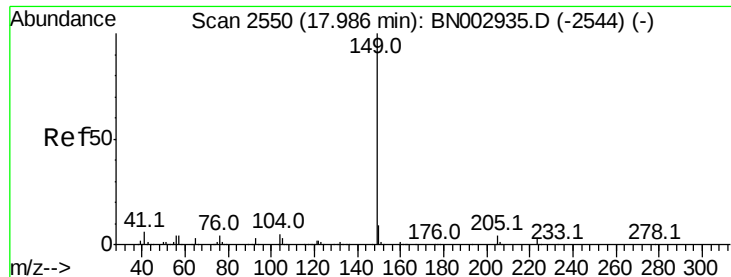
Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

Time-->





#75

Di-n-butylphthalate

Concen: 3.912 ng/ul

RT: 17.99 min Scan# 2551

Delta R.T. 0.01 min

Lab File: BN002950.D

Acq: 05 Oct 2018 01:28

Instrument :

BNA_N

ClientSampleId :

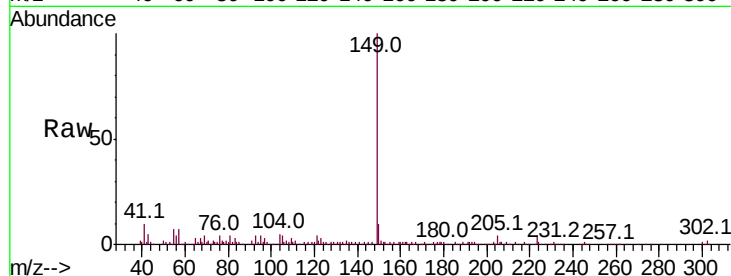
Tot Ion:149 Resp: 200131

Ion Ratio Lower Upper

149 100

150 10.0 7.3 10.9

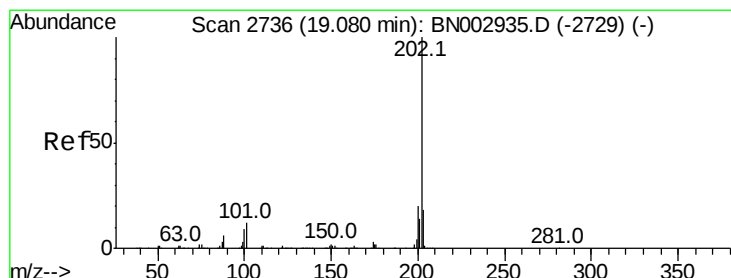
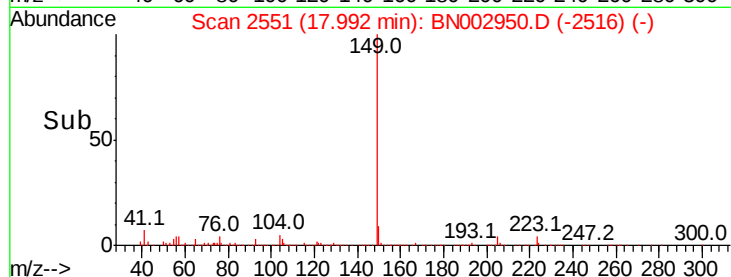
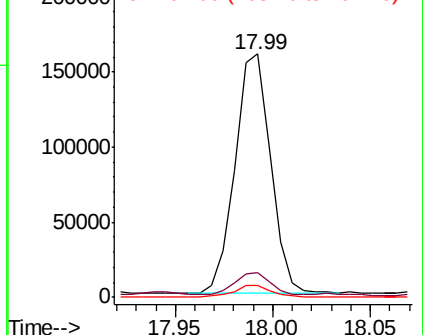
104 4.8 3.7 5.5



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



#76

Fluoranthene

Concen: 41.468 ng/ul

RT: 19.09 min Scan# 2737

Delta R.T. 0.01 min

Lab File: BN002950.D

Acq: 05 Oct 2018 01:28

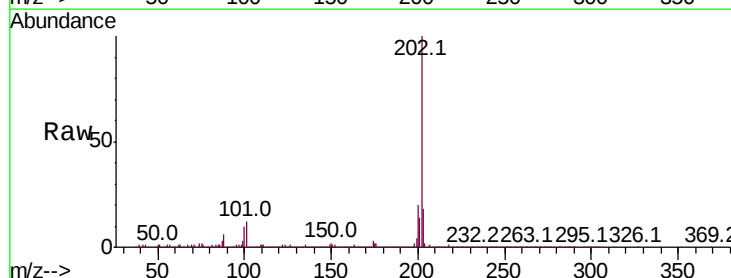
Tgt Ion:202 Resp: 2167568

Ion Ratio Lower Upper

202 100

101 12.4 9.4 14.2

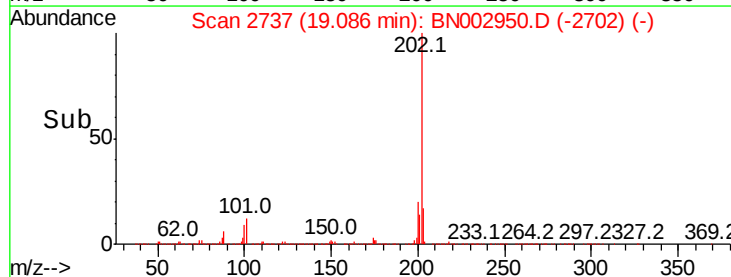
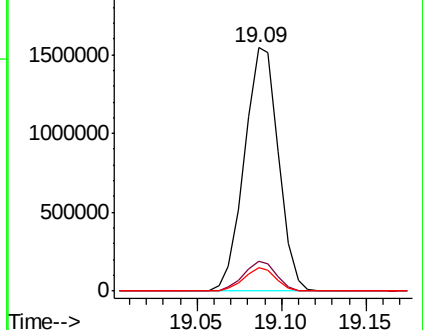
100 9.5 7.0 10.6

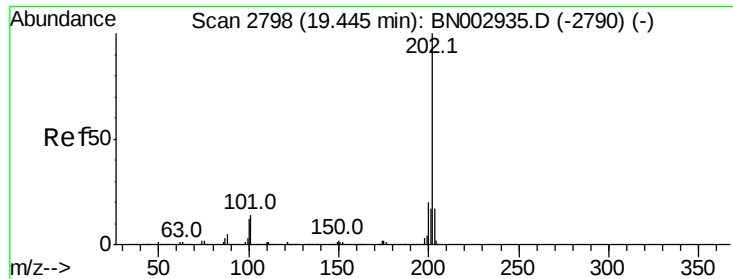


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

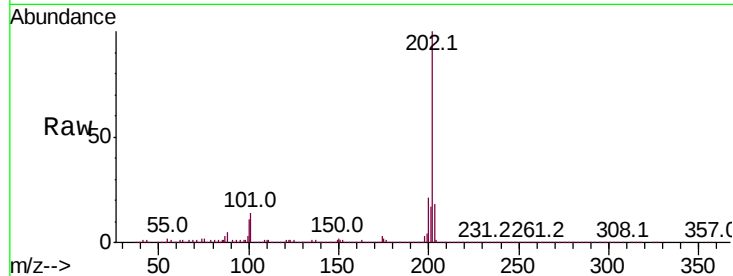




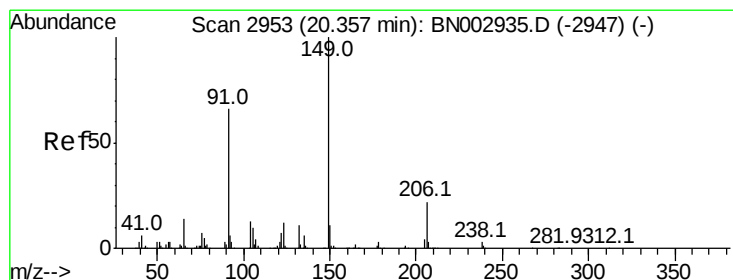
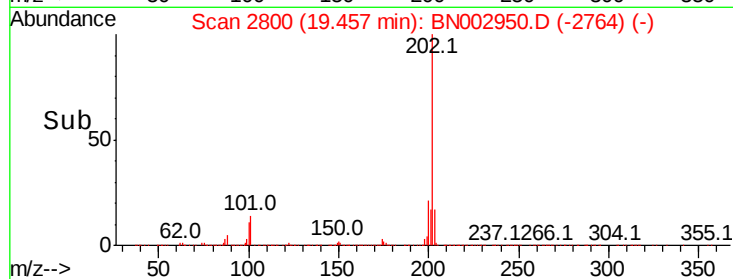
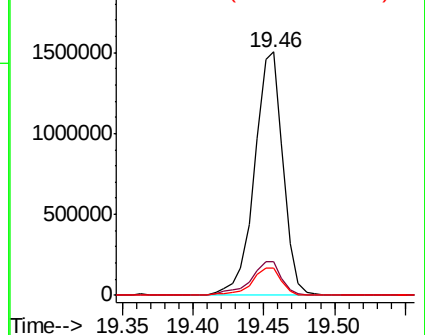
#79
Pvrene
Concen: 46.474 ng/ul
RT: 19.46 min Scan# 2800
Delta R.T. 0.01 min
Lab File: BN002950.D
Acq: 05 Oct 2018 01:28

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 2123883
Ion Ratio Lower Upper
202 100
101 13.7 10.8 16.2
100 11.4 8.2 12.2

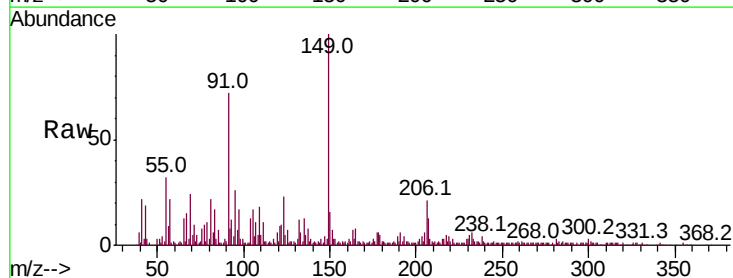


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

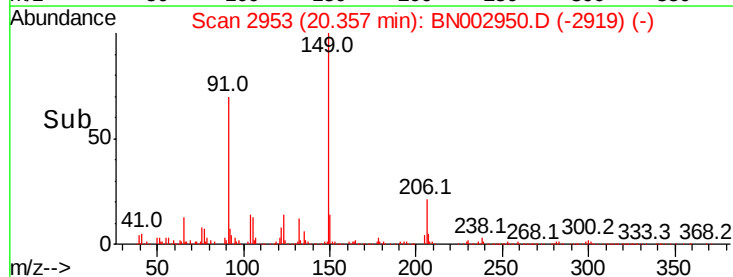
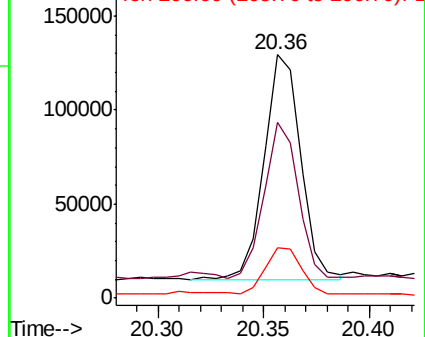


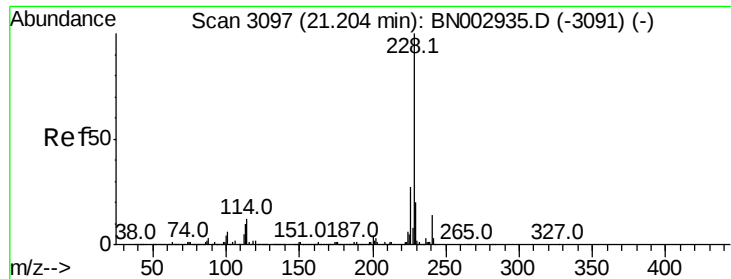
#80
Butylbenzylphthalate
Concen: 7.564 ng/ul
RT: 20.36 min Scan# 2953
Delta R.T. -0.00 min
Lab File: BN002950.D
Acq: 05 Oct 2018 01:28

Tgt Ion:149 Resp: 143848
Ion Ratio Lower Upper
149 100
91 72.0 56.3 84.5
206 20.9 16.8 25.2



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





#82

Benzo(a)anthracene

Concen: 22.997 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. 0.01 min

Lab File: BN002950.D

Acq: 05 Oct 2018 01:28

Instrument :

BNA_N

ClientSampleId :

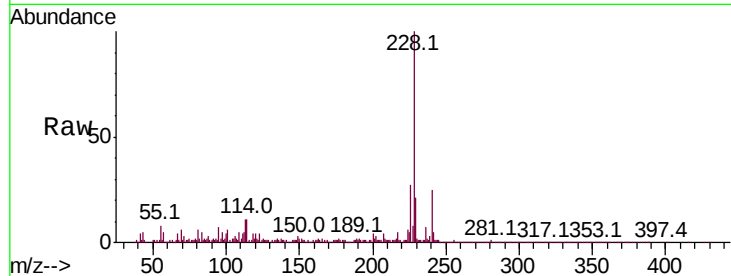
Tot Ion:228 Resp: 988857

Ion Ratio Lower Upper

228 100

229 21.2 15.8 23.6

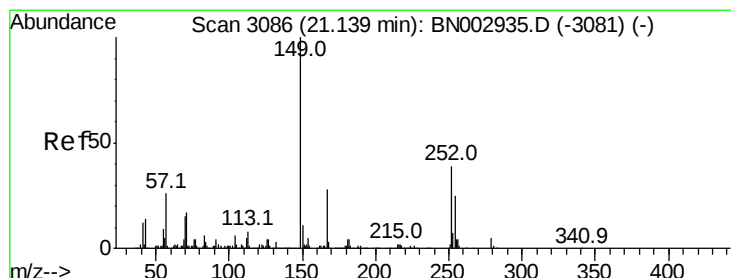
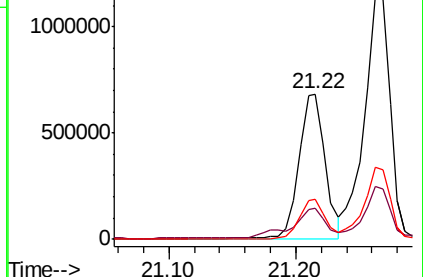
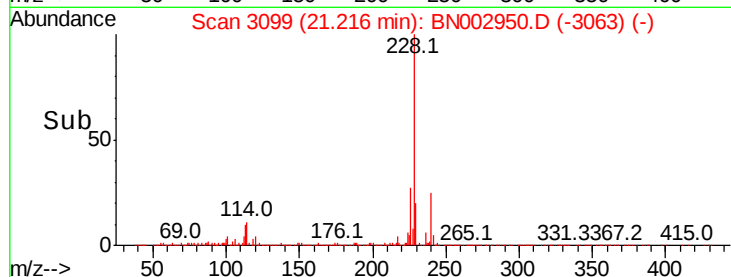
226 27.4 20.9 31.3



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 244.837 ng/ul

RT: 21.15 min Scan# 3088

Delta R.T. 0.01 min

Lab File: BN002950.D

Acq: 05 Oct 2018 01:28

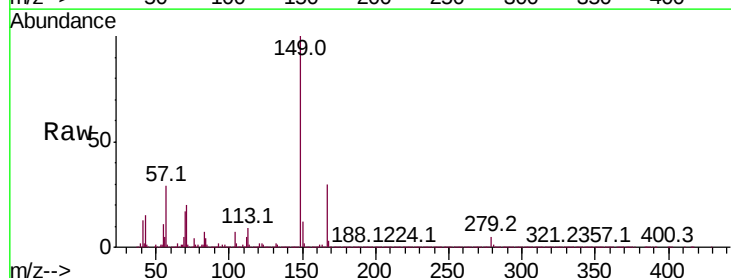
Tgt Ion:149 Resp: 6759536

Ion Ratio Lower Upper

149 100

167 30.0 22.0 33.0

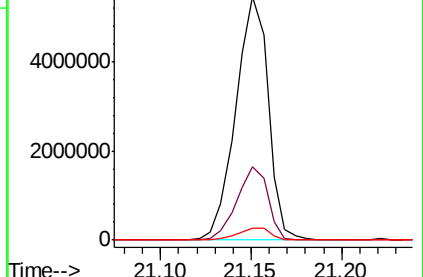
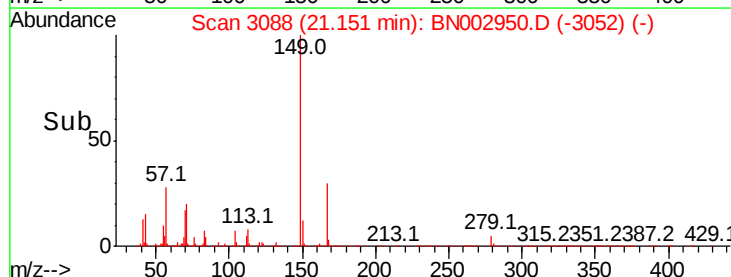
279 5.1 3.3 4.9#

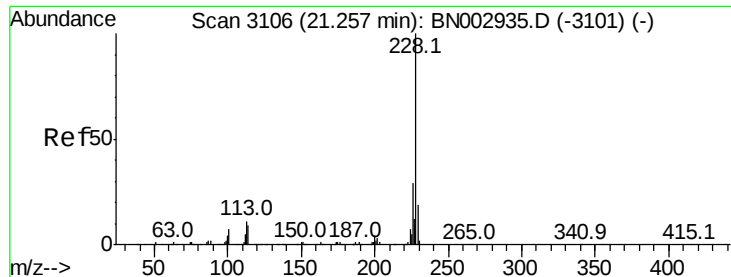


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 39.984 ng/ul

RT: 21.26 min Scan# 3107

Delta R.T. 0.01 min

Lab File: BN002950.D

Acq: 05 Oct 2018 01:28

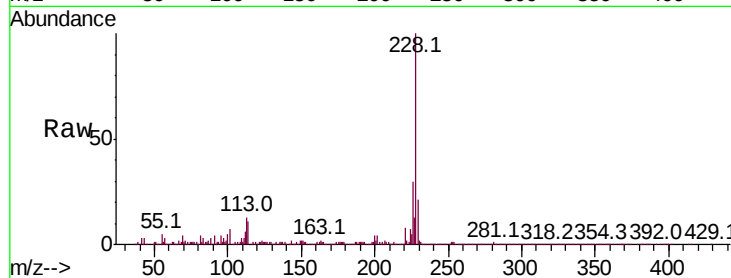
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 1611493

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.4	35.0
229	21.5	15.7	23.5

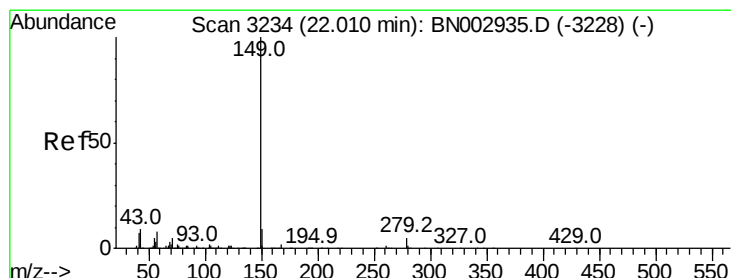
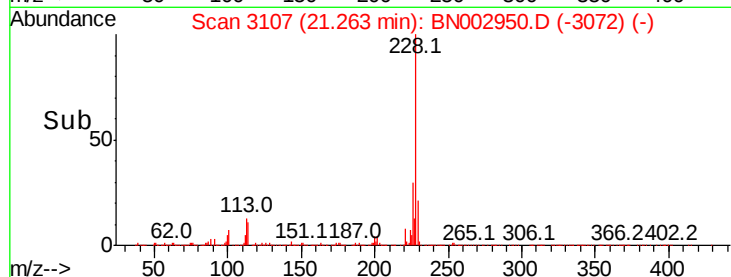
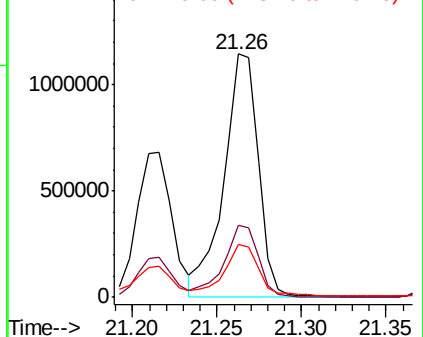


Abundance

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



#86

Di-n-octyl phthalate

Concen: 2.736 ng/ul

RT: 22.02 min Scan# 3235

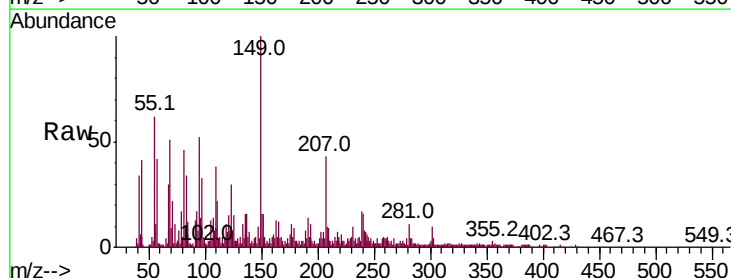
Delta R.T. 0.01 min

Lab File: BN002950.D

Acq: 05 Oct 2018 01:28

Tgt Ion:149 Resp: 115254

Ion	Ratio	Lower	Upper
149	100		
167	5.3	1.4	2.0#
43	40.7	7.4	11.0#

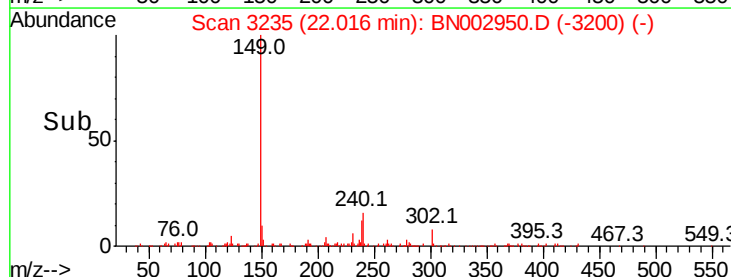
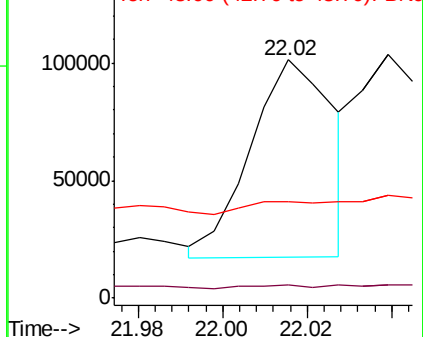


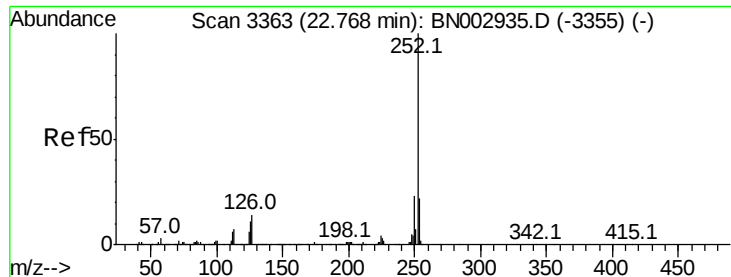
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BNC





#87

Benzo(b)fluoranthene

Concen: 32.970 ng/ul

RT: 22.79 min Scan# 3366

Delta R.T. 0.02 min

Lab File: BN002950.D

Acq: 05 Oct 2018 01:28

Instrument :

BNA_N

ClientSampleId :

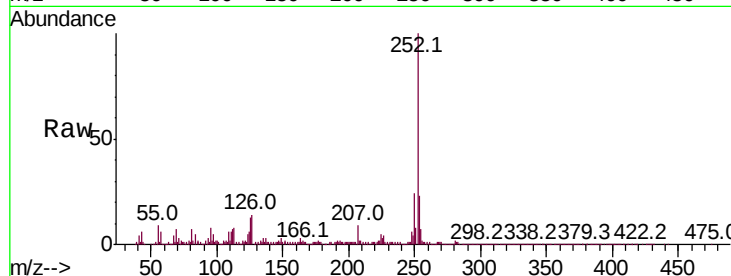
Tot Ion:252 Resp: 1283217

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.4

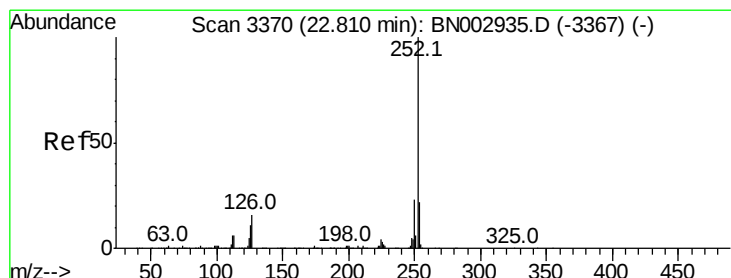
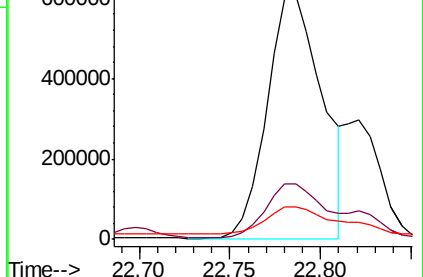
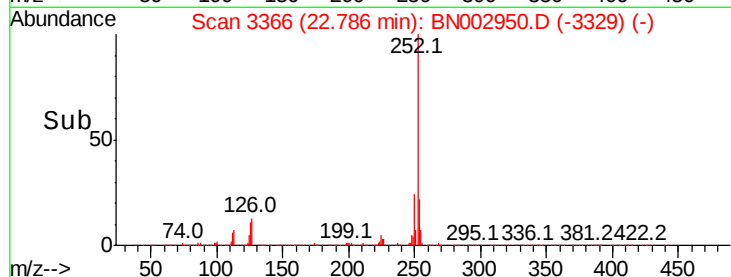
125 13.2 8.0 12.0#



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(k)fluoranthene

Concen: 35.340 ng/ul

RT: 22.79 min Scan# 3366

Delta R.T. -0.02 min

Lab File: BN002950.D

Acq: 05 Oct 2018 01:28

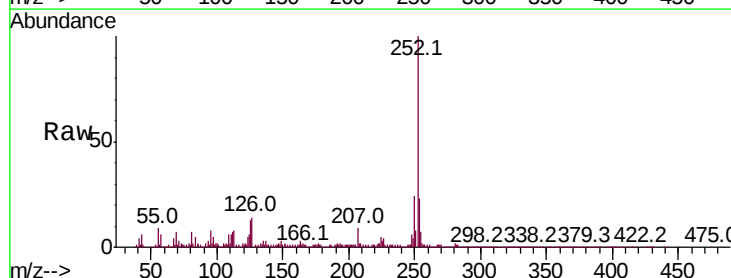
Tgt Ion:252 Resp: 1283217

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

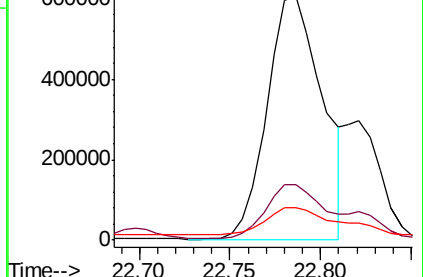
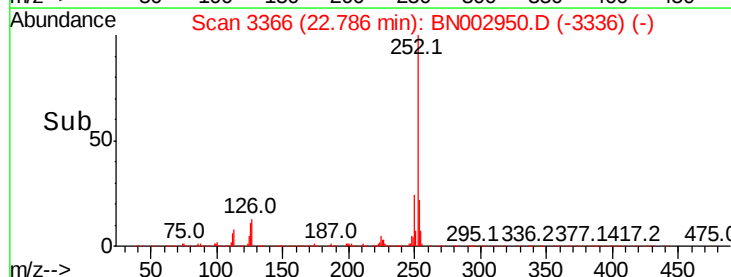
125 13.2 8.3 12.5#

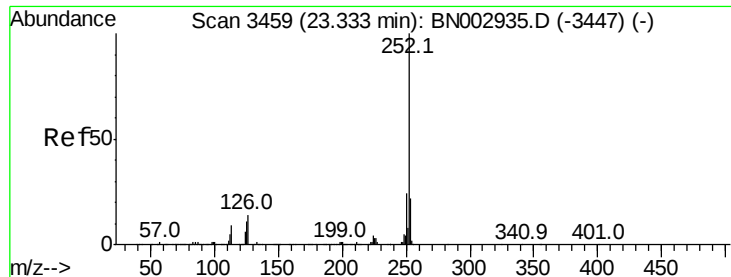


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 18.157 ng/ul

RT: 23.34 min Scan# 3461

Delta R.T. 0.01 min

Lab File: BN002950.D

Acq: 05 Oct 2018 01:28

Instrument :

BNA_N

ClientSampleId :

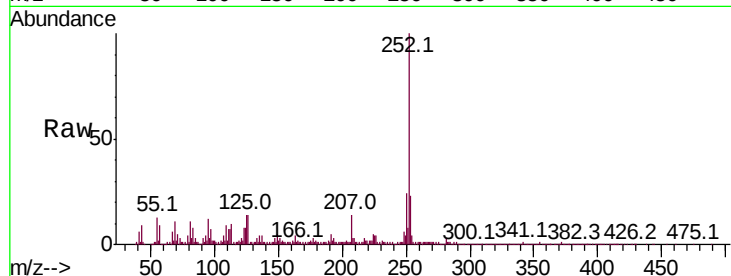
Tot Ion:252 Resp: 668097

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

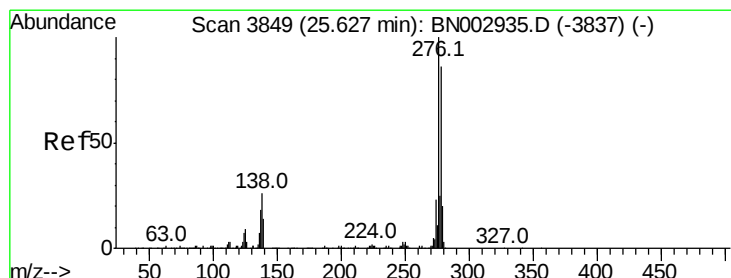
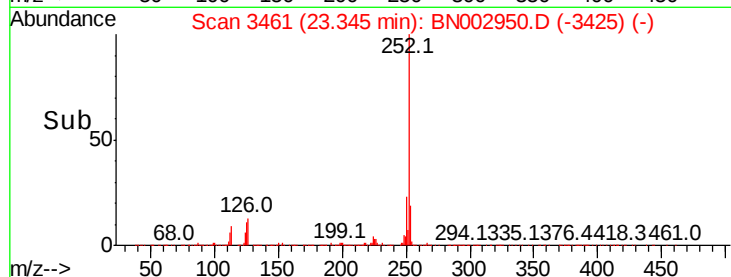
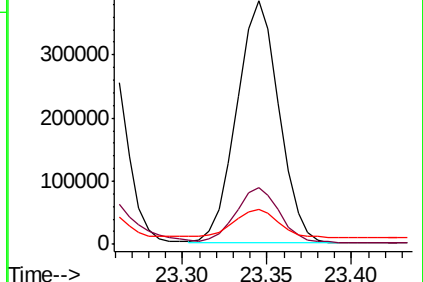
125 14.4 8.8 13.2#



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



#91

Indeno(1,2,3-cd)pyrene

Concen: 11.795 ng/ul

RT: 25.64 min Scan# 3852

Delta R.T. 0.02 min

Lab File: BN002950.D

Acq: 05 Oct 2018 01:28

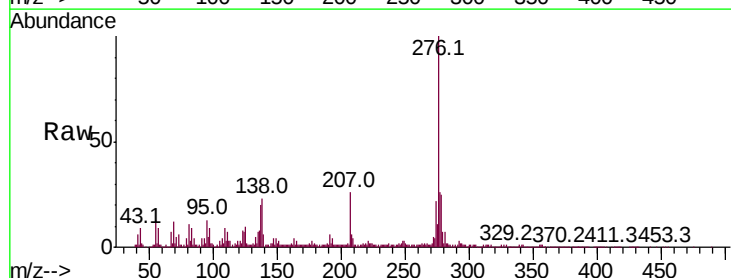
Tgt Ion:276 Resp: 513813

Ion Ratio Lower Upper

276 100

138 22.7 20.2 30.4

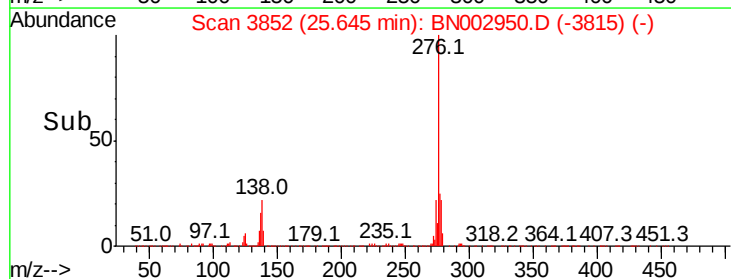
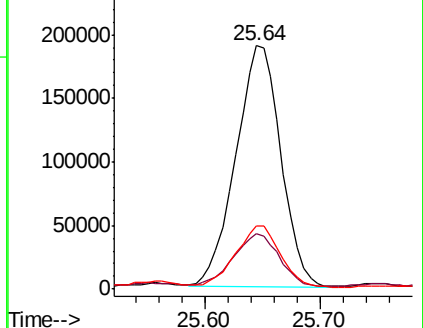
277 25.8 20.0 30.0

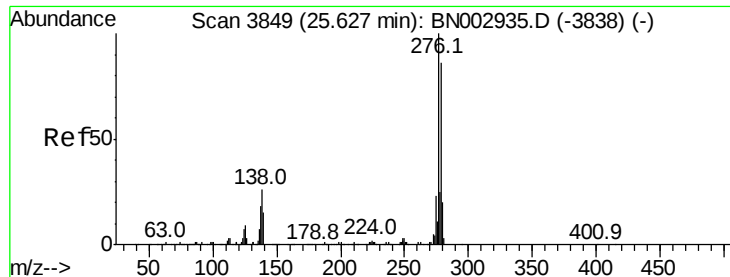


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



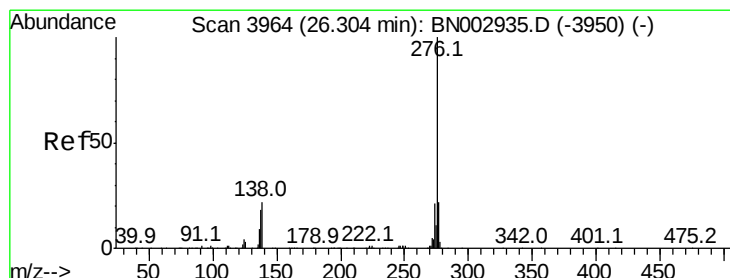
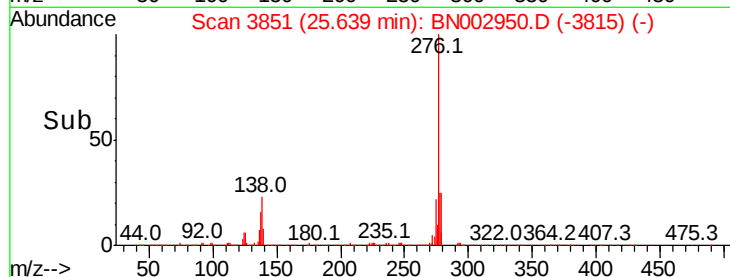
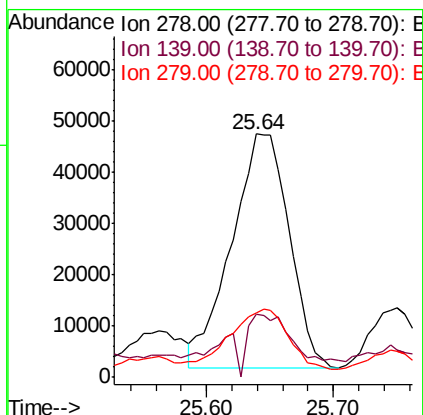
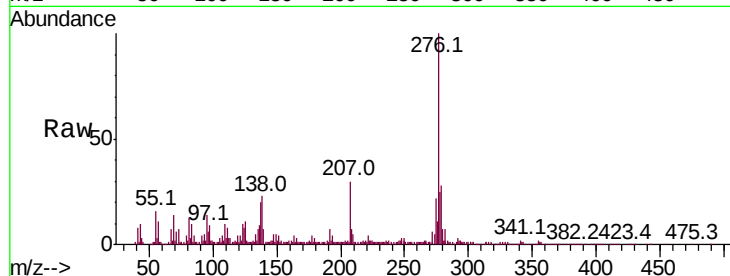


#92

Dibenzo(a,h)anthracene
Concen: 3.942 ng/ul
RT: 25.64 min Scan# 3851
Delta R.T. 0.01 min
Lab File: BN002950.D
Acq: 05 Oct 2018 01:28

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	26.1	12.7	19.1#
279	26.3	18.7	28.1



#93

Benzo(g,h,i)perylene
Concen: 15.015 ng/ul
RT: 26.32 min Scan# 3967
Delta R.T. 0.02 min
Lab File: BN002950.D
Acq: 05 Oct 2018 01:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.0	18.2	27.2
277	24.7	18.6	28.0

