

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100618\
 Data File : BN002959.D
 Acq On : 05 Oct 2018 10:27
 Operator : MJ/SJ
 Sample : J5183-18
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 06 01:08:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 06 01:07:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	118181	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	547357	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	328901	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	707860	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	517021	20.00	ng/ul	0.00
85) Perylene-d12	23.43	264	491288	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	4936	1.93	ng/uL	0.00
5) Phenol-d5	6.82	99	85233	8.49	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.97	67	81291	13.04	ng/ul	0.00
9) 2-Chlorophenol-d4	7.17	132	80863	9.79	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	64142	8.25	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	53962	12.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	38355	7.99	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.05	165	71590	8.27	ng/ul	0.02
29) 4-Chloroaniline-d4	10.55	131	66375	6.62	ng/ul	0.01
43) Dimethylphthalate-d6	13.67	166	325636	12.65	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	470581	14.00	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	3389	0.80	ng/ul	0.06
57) Fluorene-d10	15.26	176	335772	14.89	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	2989	0.68	ng/ul	0.02
70) Anthracene-d10	17.12	188	496010	14.68	ng/ul	0.00
78) Pyrene-d10	19.42	212	467296	17.13	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.30	264	369490	14.29	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	6.85	94	22822	2.255	ng/ul 98
14) Acetophenone	8.45	105	14304	1.194	ng/ul 91
44) Dimethylphthalate	13.72	163	214219	8.525	ng/ul 98
49) Acenaphthene	14.33	153	26861	1.201	ng/ul 94
58) Fluorene	15.32	166	27096	1.100	ng/ul# 95
69) Phenanthrene	17.06	178	506846	12.996	ng/ul 99
71) Anthracene	17.15	178	117890	2.981	ng/ul 98
74) Carbazole	17.43	167	64065	1.888	ng/ul 98
75) Di-n-butylphthalate	17.99	149	890288	21.866	ng/ul 99
76) Fluoranthene	19.09	202	1106760	26.602	ng/ul 100
79) Pyrene	19.45	202	1081258	31.630	ng/ul 99
80) Butylbenzylphthalate	20.36	149	113192	7.957	ng/ul 98
82) Benzo(a)anthracene	21.21	228	539239	16.766	ng/ul 97
83) Bis(2-ethylhexyl)phthalate	21.14	149	1147377	55.560	ng/ul 100
84) Chrysene	21.26	228	1061089	35.197	ng/ul 98
86) Di-n-octyl phthalate	22.02	149	134323	4.136	ng/ul# 45
87) Benzo(b)fluoranthene	22.78	252	1196755	39.887	ng/ul# 95
88) Benzo(k)fluoranthene	22.78	252	1196755	42.754	ng/ul# 97
90) Benzo(a)pyrene	23.34	252	491159	17.316	ng/ul# 95
91) Indeno(1,2,3-cd)pyrene	25.64	276	496572	14.787	ng/ul 95
92) Dibenzo(a,h)anthracene	25.64	278	135483	4.788	ng/ul# 81
93) Benzo(a,h,i)perylene	26.32	276	580075	20.664	ng/ul 100

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 06 01:07:30 2018
Response via : Initial Calibration

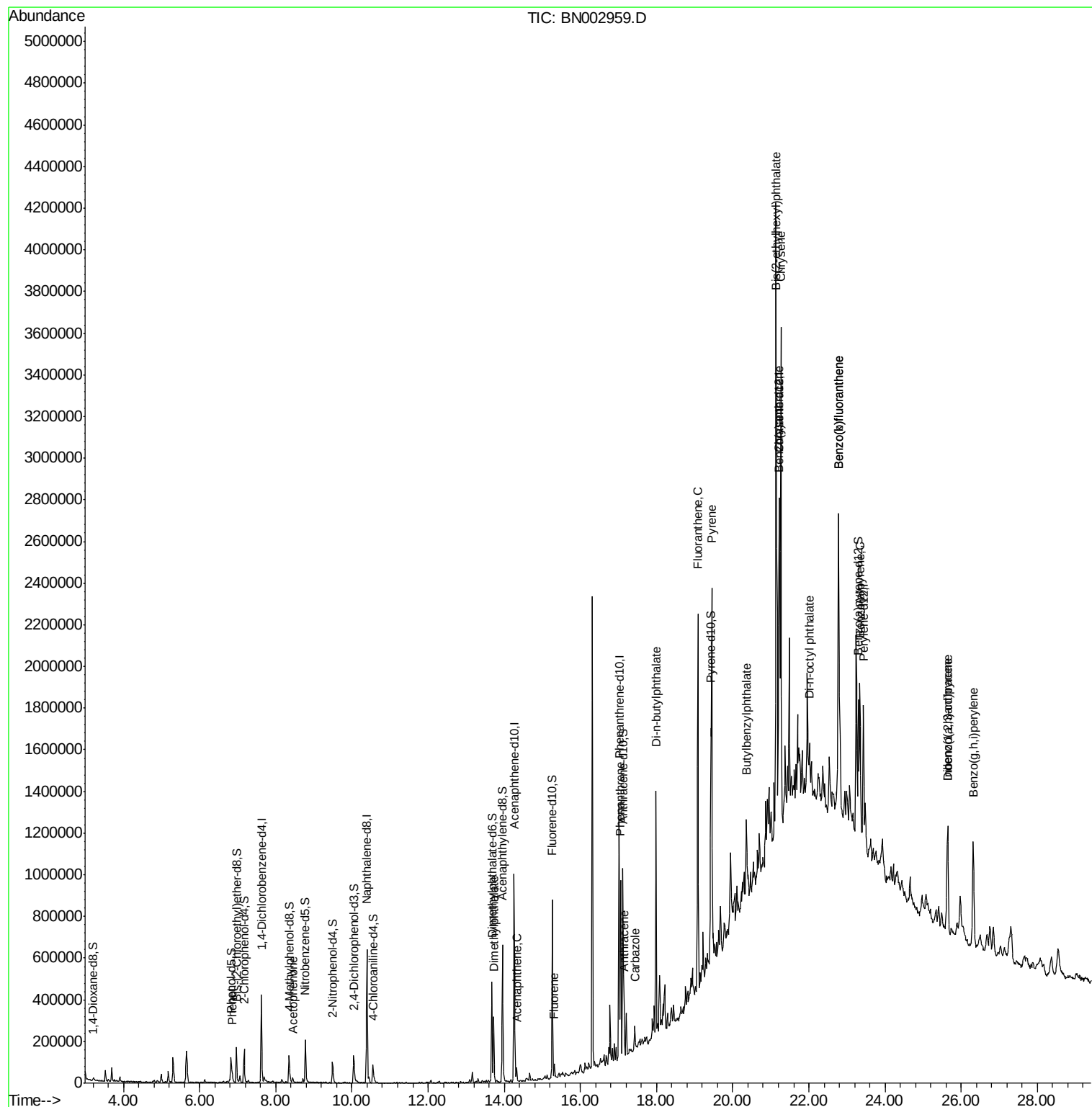
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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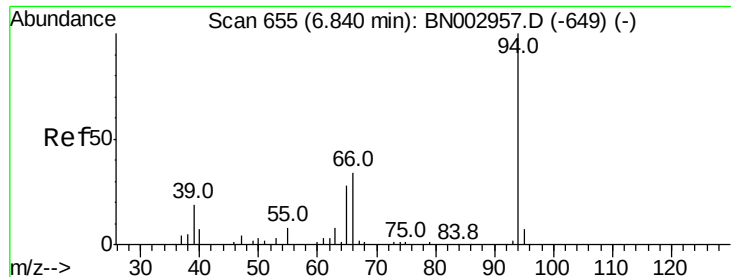
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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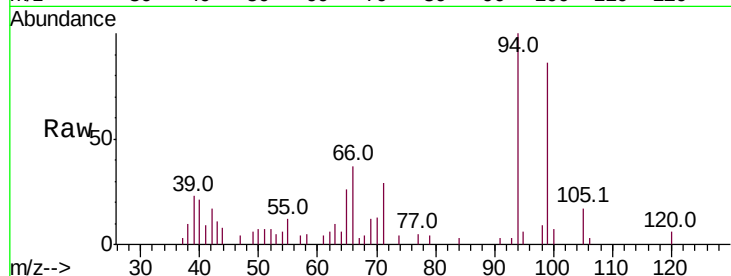
#6

Phenol

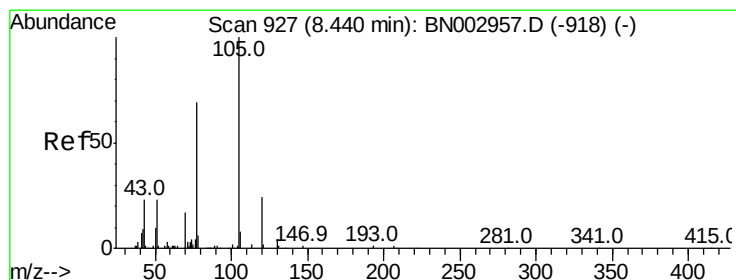
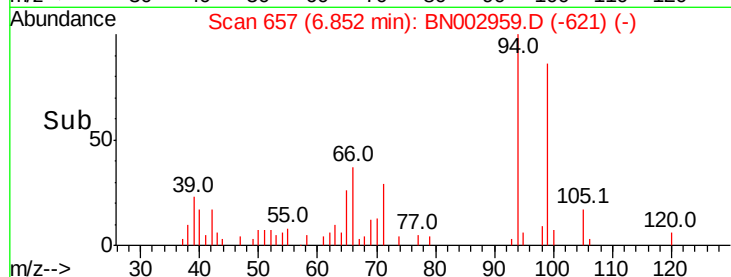
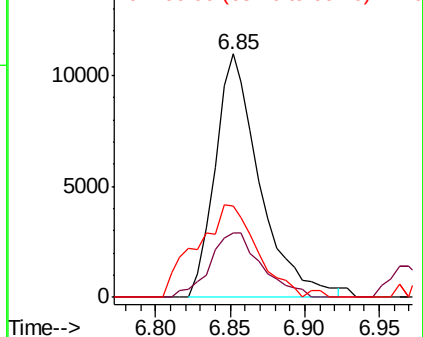
Concen: 2.255 ng/ul
 RT: 6.85 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: BN002959.D
 Acq: 05 Oct 2018 10:27

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion: 94 Resp: 22822
 Ion Ratio Lower Upper
 94 100
 65 26.4 23.1 34.7
 66 37.4 29.8 44.6



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

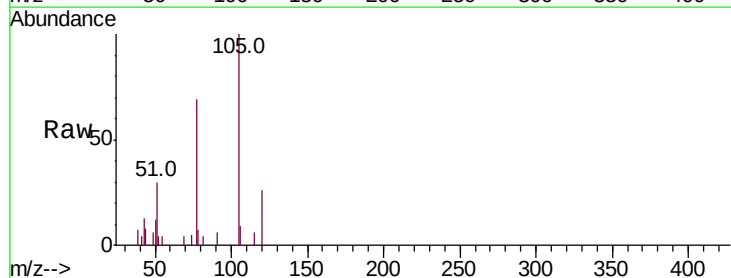


#14

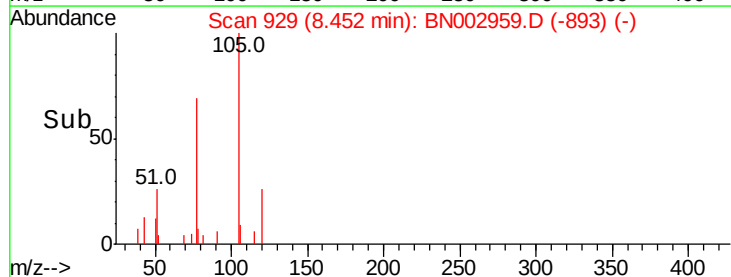
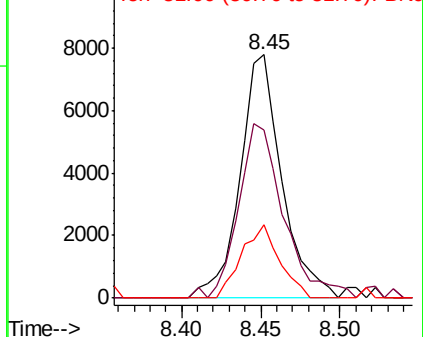
Acetophenone

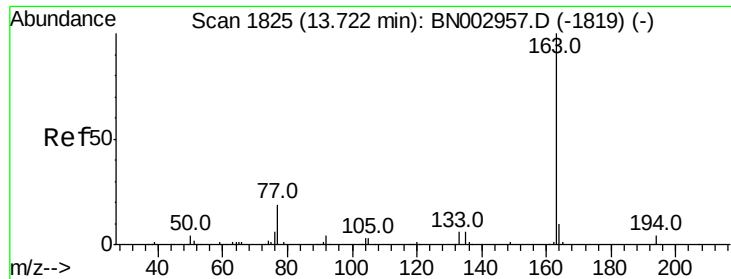
Concen: 1.194 ng/ul
 RT: 8.45 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: BN002959.D
 Acq: 05 Oct 2018 10:27

Tgt Ion: 105 Resp: 14304
 Ion Ratio Lower Upper
 105 100
 77 69.0 62.9 94.3
 51 30.0 21.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): E
 Ion 77.00 (76.70 to 77.70): BN0
 Ion 51.00 (50.70 to 51.70): BN0





#44

Dimethylphthalate

Concen: 8.525 ng/ul

RT: 13.72 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BN002959.D

Acq: 05 Oct 2018 10:27

Instrument :

BNA_N

ClientSampleId :

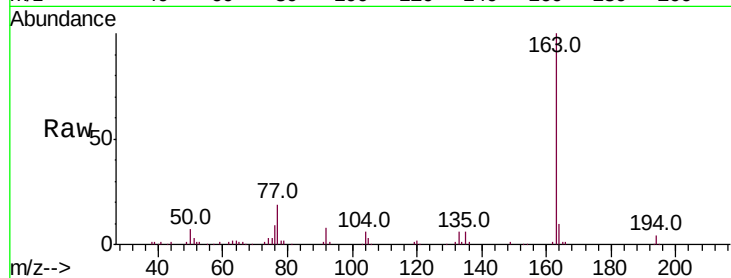
Tot Ion:163 Resp: 214219

Ion Ratio Lower Upper

163 100

194 3.6 3.5 5.3

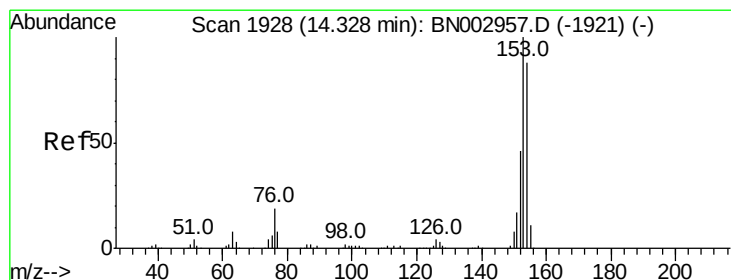
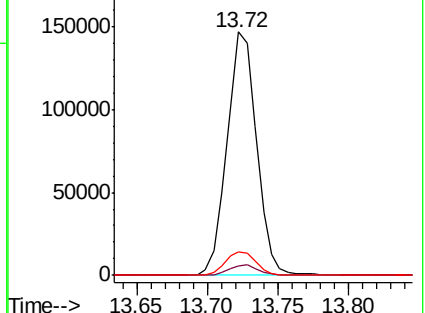
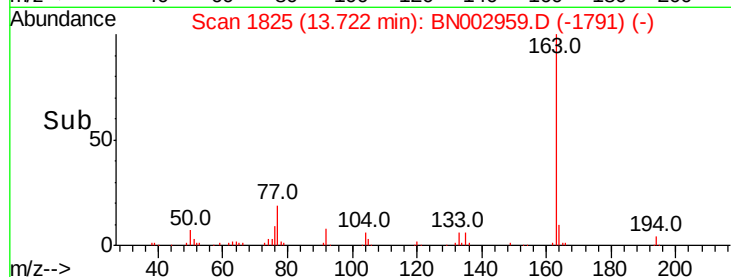
164 9.6 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

200000 Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#49

Acenaphthene

Concen: 1.201 ng/ul

RT: 14.33 min Scan# 1928

Delta R.T. 0.00 min

Lab File: BN002959.D

Acq: 05 Oct 2018 10:27

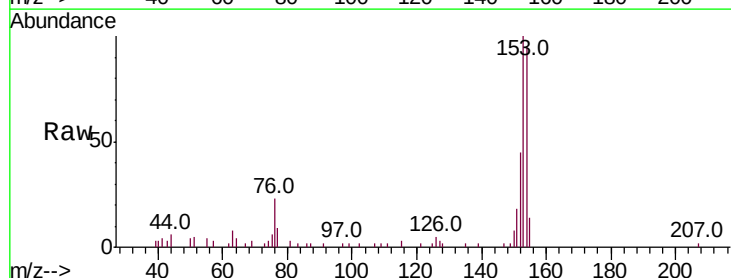
Tgt Ion:153 Resp: 26861

Ion Ratio Lower Upper

153 100

152 45.4 37.8 56.6

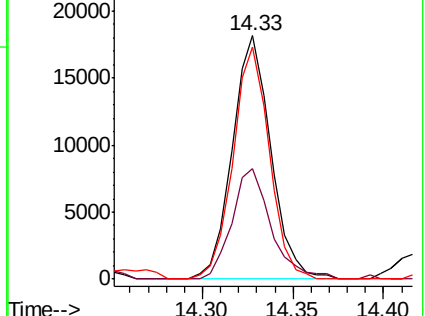
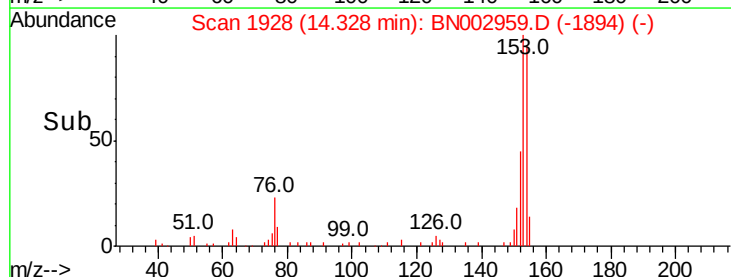
154 95.2 70.9 106.3

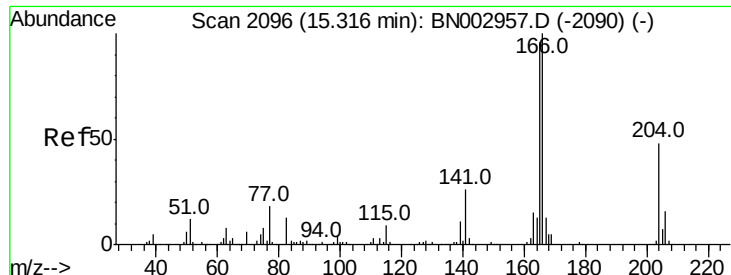


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#58

Fluorene

Concen: 1.100 ng/ul

RT: 15.32 min Scan# 2097

Delta R.T. 0.01 min

Lab File: BN002959.D

Acq: 05 Oct 2018 10:27

Instrument :

BNA_N

ClientSampled :

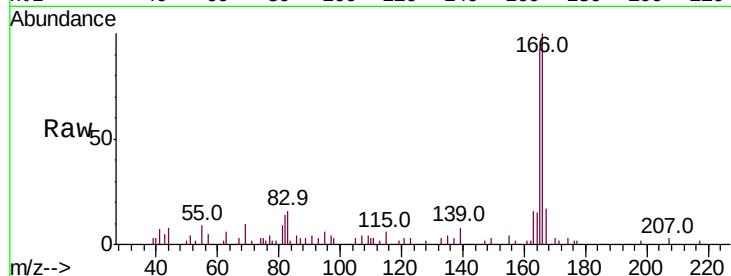
Tot Ion:166 Resp: 27096

Ion Ratio Lower Upper

166 100

165 92.9 78.3 117.5

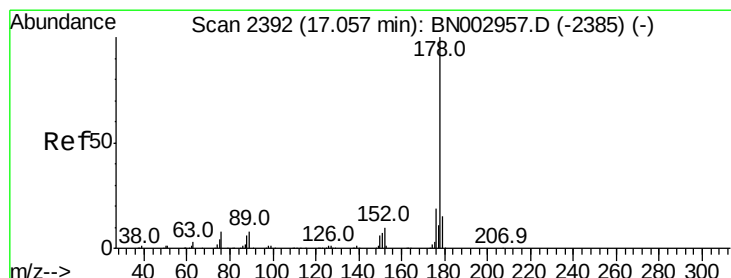
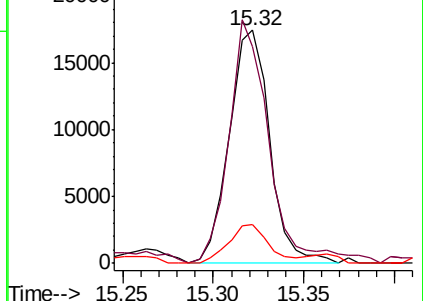
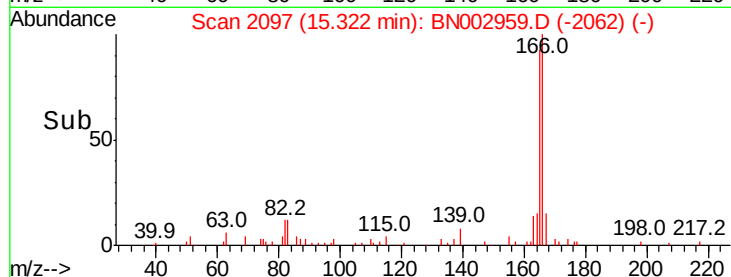
167 16.8 11.0 16.6#



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: 12.996 ng/ul

RT: 17.06 min Scan# 2392

Delta R.T. 0.00 min

Lab File: BN002959.D

Acq: 05 Oct 2018 10:27

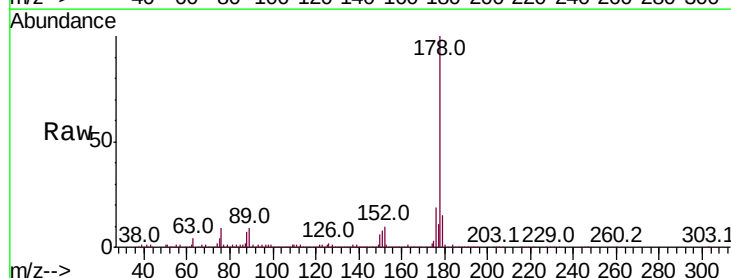
Tgt Ion:178 Resp: 506846

Ion Ratio Lower Upper

178 100

179 15.0 12.2 18.4

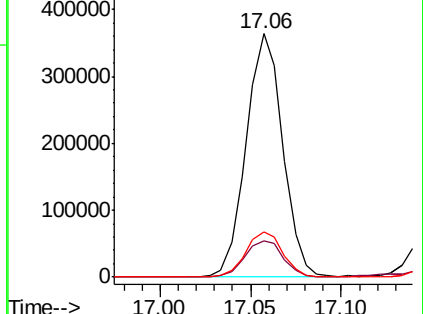
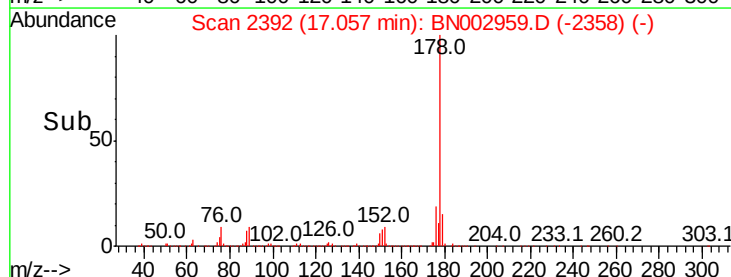
176 18.6 15.0 22.6

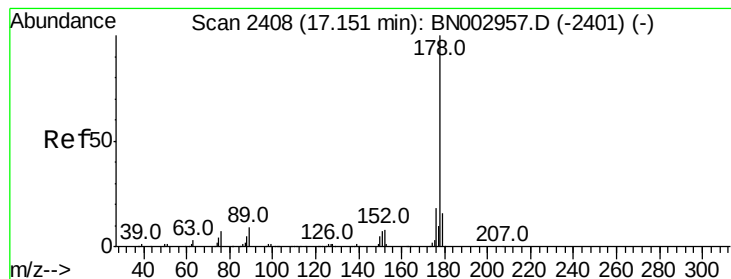


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 2.981 ng/ul

RT: 17.15 min Scan# 2408

Delta R.T. 0.00 min

Lab File: BN002959.D

Acq: 05 Oct 2018 10:27

Instrument :

BNA_N

ClientSampled :

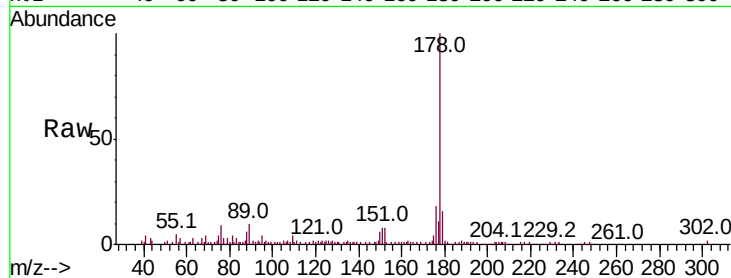
Tot Ion:178 Resp: 117890

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.0	18.0
176	17.5	15.0	22.4

178 100

179 15.9 12.0 18.0

176 17.5 15.0 22.4

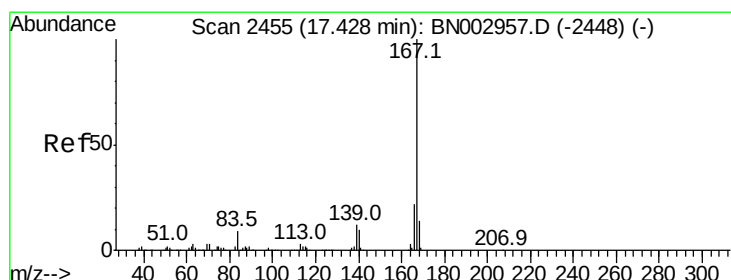
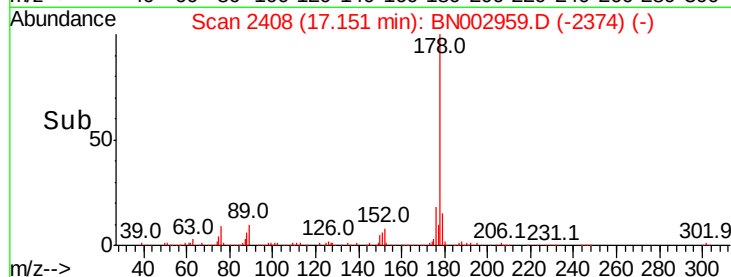
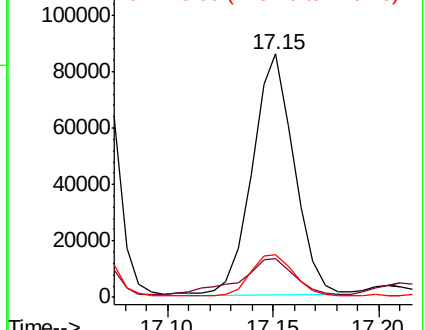


Abundance

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



#74

Carbazole

Concen: 1.888 ng/ul

RT: 17.43 min Scan# 2455

Delta R.T. 0.00 min

Lab File: BN002959.D

Acq: 05 Oct 2018 10:27

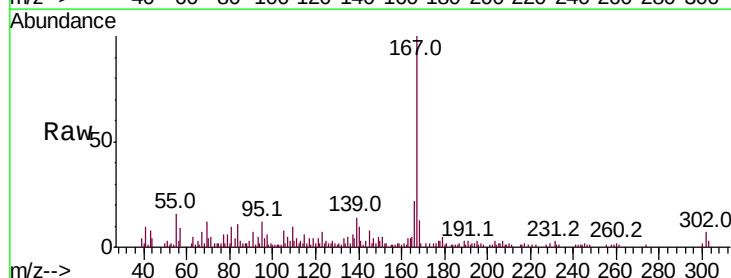
Tgt Ion:167 Resp: 64065

Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.0	25.6
139	13.6	10.7	16.1

167 100

166 22.5 17.0 25.6

139 13.6 10.7 16.1

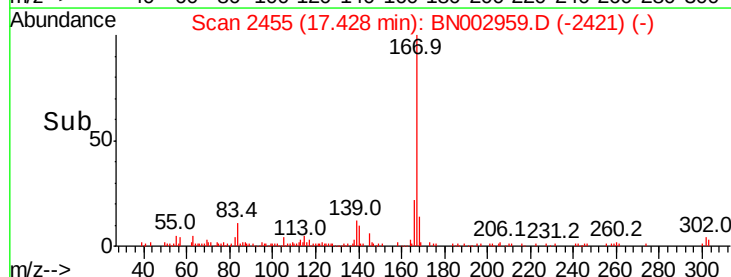
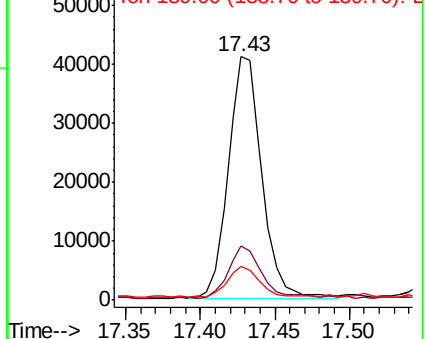


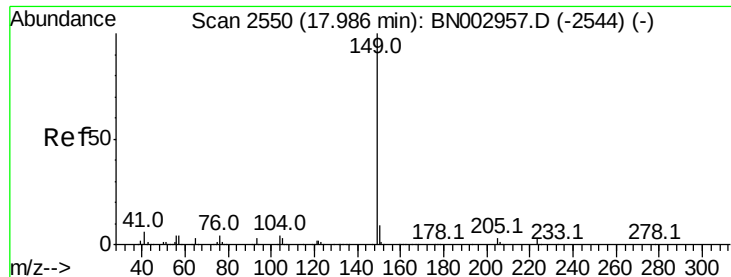
Abundance

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





#75

Di-n-butylphthalate

Concen: 21.866 ng/ul

RT: 17.99 min Scan# 2550

Delta R.T. 0.00 min

Lab File: BN002959.D

Acq: 05 Oct 2018 10:27

Instrument :

BNA_N

ClientSampleId :

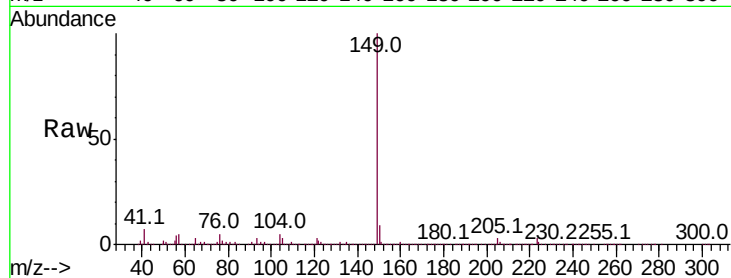
Tot Ion:149 Resp: 890288

Ion Ratio Lower Upper

149 100

150 9.4 7.3 10.9

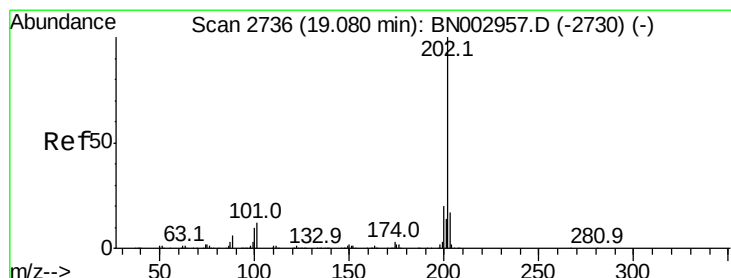
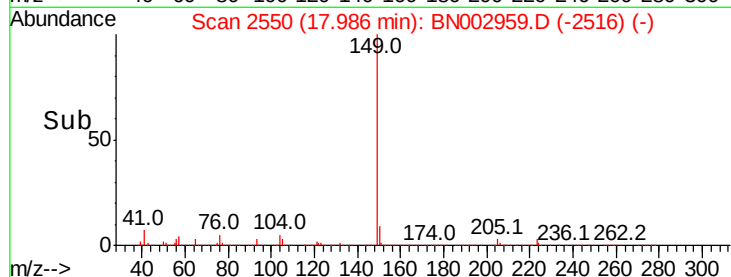
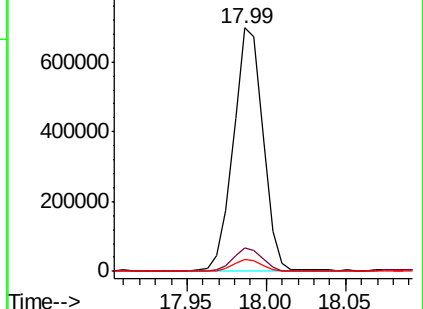
104 4.7 3.7 5.5



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: 26.602 ng/ul

RT: 19.09 min Scan# 2737

Delta R.T. 0.01 min

Lab File: BN002959.D

Acq: 05 Oct 2018 10:27

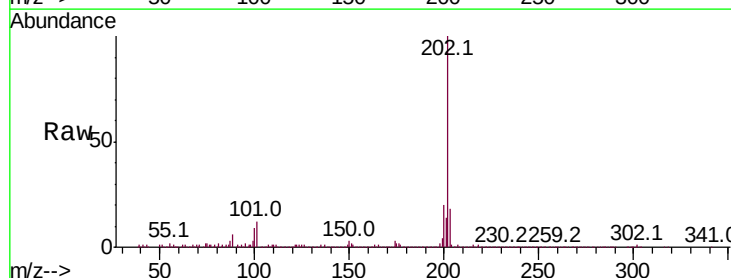
Tgt Ion:202 Resp: 1106760

Ion Ratio Lower Upper

202 100

101 11.9 9.4 14.2

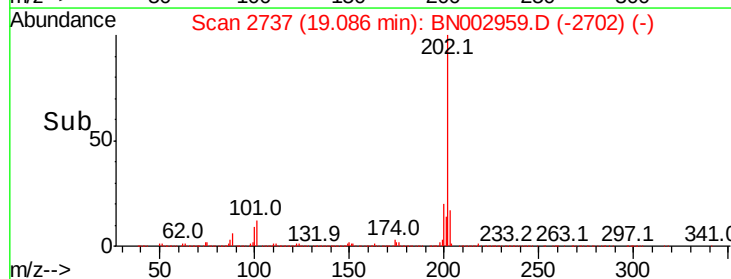
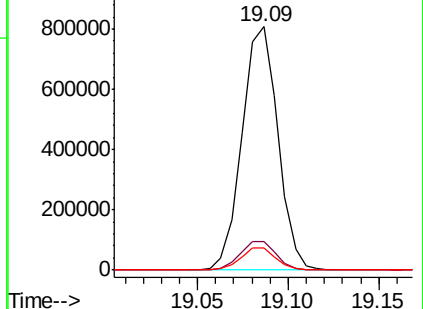
100 9.0 7.0 10.6

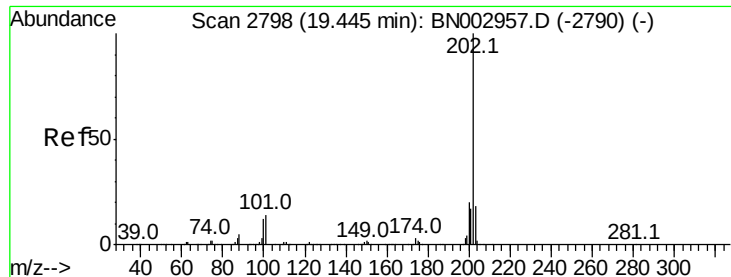


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#79

Pvrene

Concen: 31.630 ng/ul

RT: 19.45 min Scan# 2799

Delta R.T. 0.01 min

Lab File: BN002959.D

Acq: 05 Oct 2018 10:27

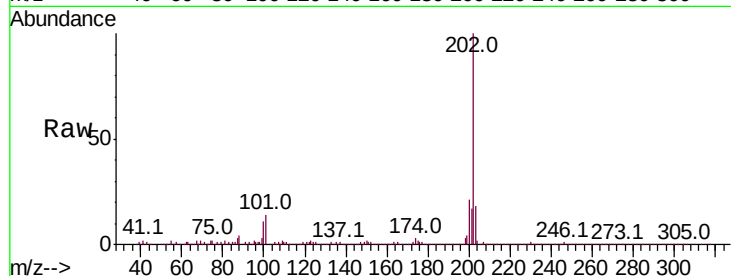
Instrument :

BNA_N

ClientSampleId :

Tot Ion:202 Resp: 1081258

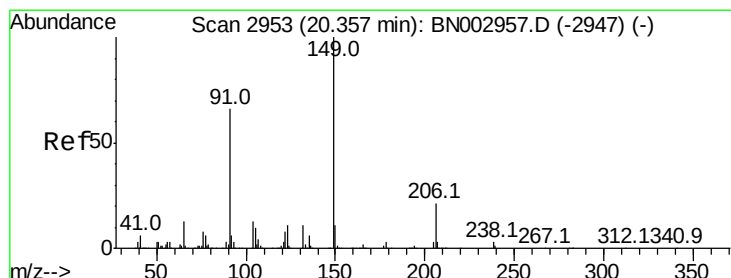
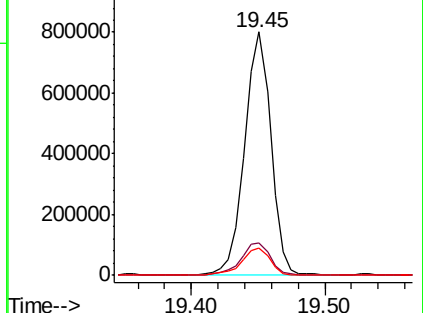
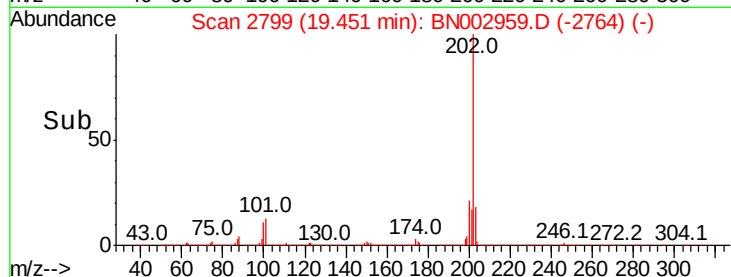
Ion	Ratio	Lower	Upper
202	100		
101	13.5	10.8	16.2
100	11.2	8.2	12.2



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: 7.957 ng/ul

RT: 20.36 min Scan# 2953

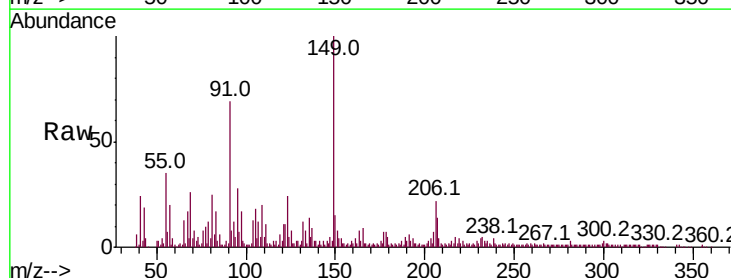
Delta R.T. 0.00 min

Lab File: BN002959.D

Acq: 05 Oct 2018 10:27

Tgt Ion:149 Resp: 113192

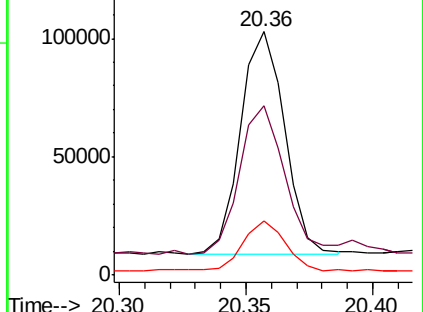
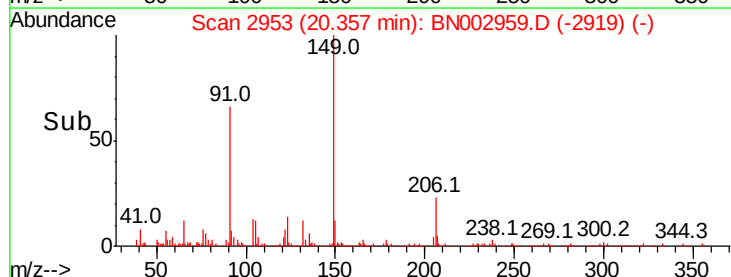
Ion	Ratio	Lower	Upper
149	100		
91	69.4	56.3	84.5
206	22.4	16.8	25.2

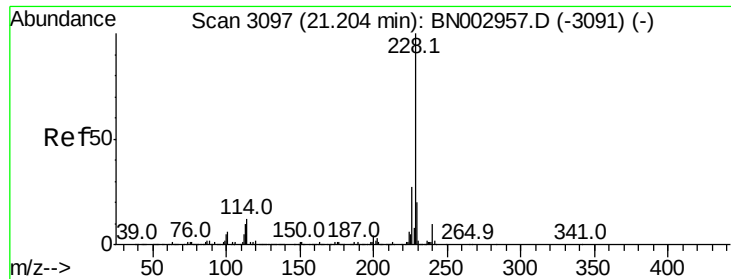


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): B

Ion 206.00 (205.70 to 206.70): E





#82

Benzo(a)anthracene

Concen: 16.766 ng/ul

RT: 21.21 min Scan# 3098

Delta R.T. 0.01 min

Lab File: BN002959.D

Acq: 05 Oct 2018 10:27

Instrument :

BNA_N

ClientSampled :

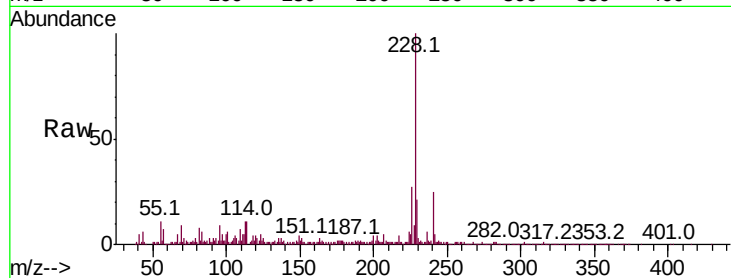
Tot Ion:228 Resp: 539239

Ion Ratio Lower Upper

228 100

229 20.9 15.8 23.6

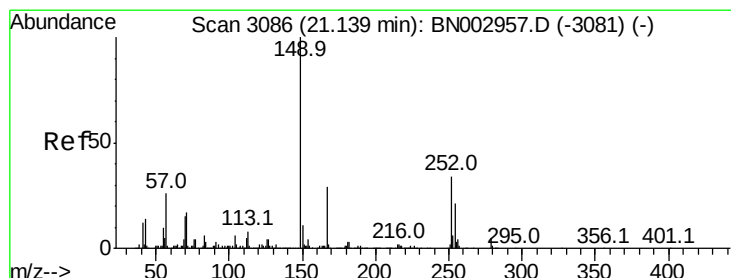
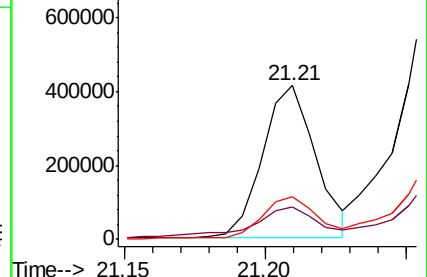
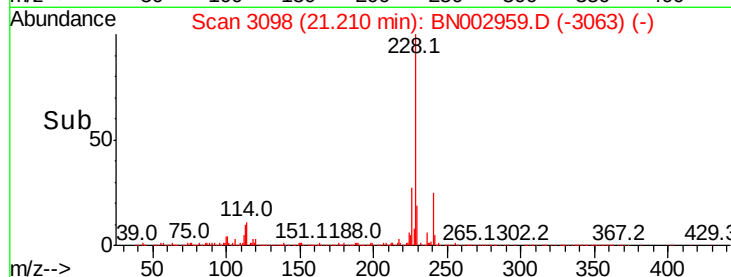
226 27.4 20.9 31.3



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: 55.560 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. 0.00 min

Lab File: BN002959.D

Acq: 05 Oct 2018 10:27

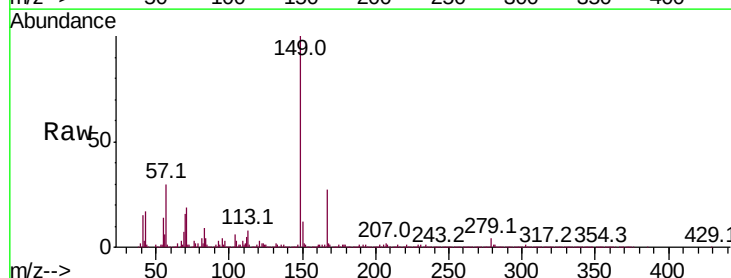
Tgt Ion:149 Resp: 1147377

Ion Ratio Lower Upper

149 100

167 27.4 22.0 33.0

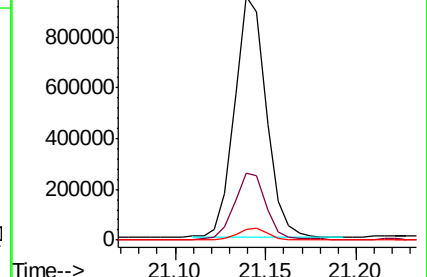
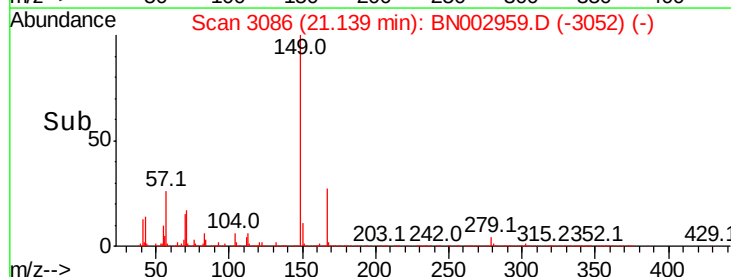
279 4.3 3.3 4.9

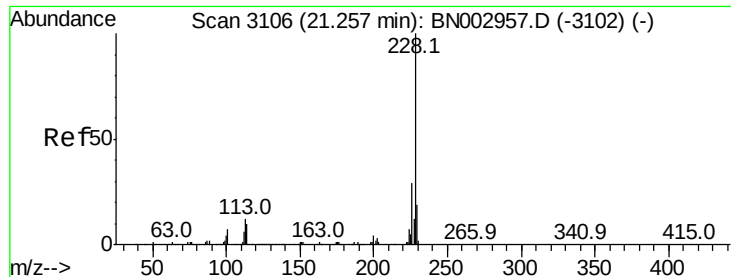


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 35.197 ng/ul

RT: 21.26 min Scan# 3107

Delta R.T. 0.01 min

Lab File: BN002959.D

Acq: 05 Oct 2018 10:27

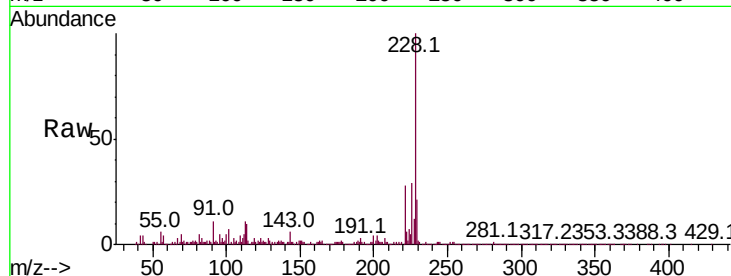
Instrument :

BNA_N

ClientSampled :

Tot Ion:228 Resp: 1061089

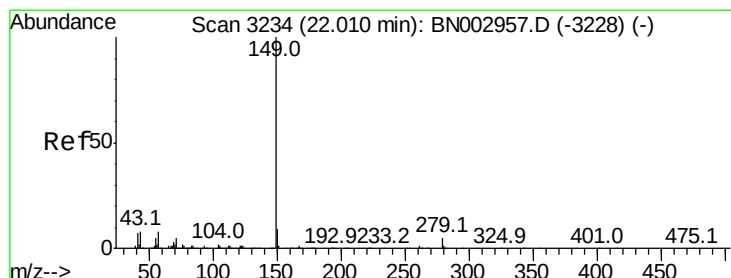
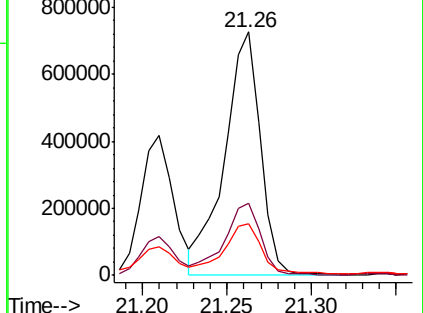
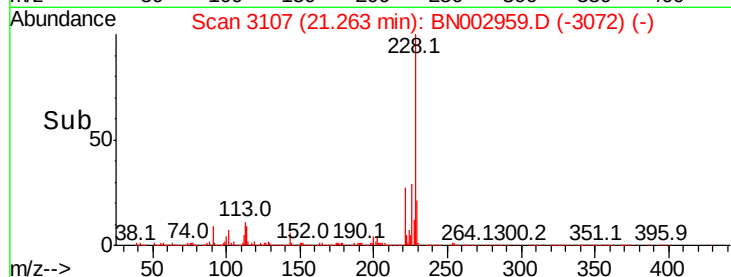
Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.4	35.0
229	21.2	15.7	23.5



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: 4.136 ng/ul

RT: 22.02 min Scan# 3235

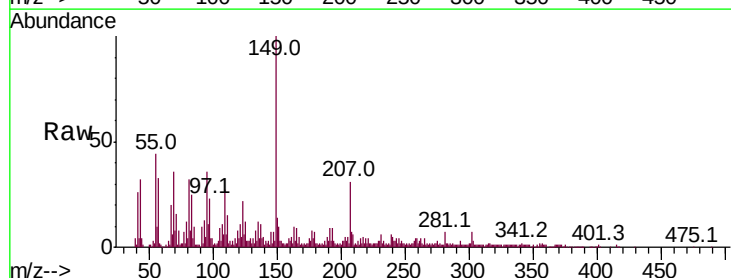
Delta R.T. 0.01 min

Lab File: BN002959.D

Acq: 05 Oct 2018 10:27

Tgt Ion:149 Resp: 134323

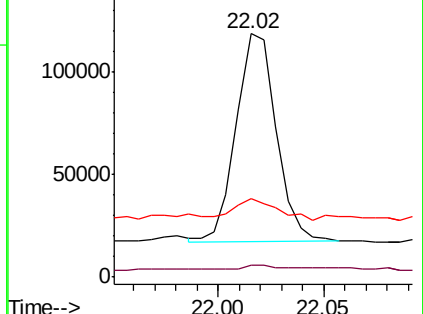
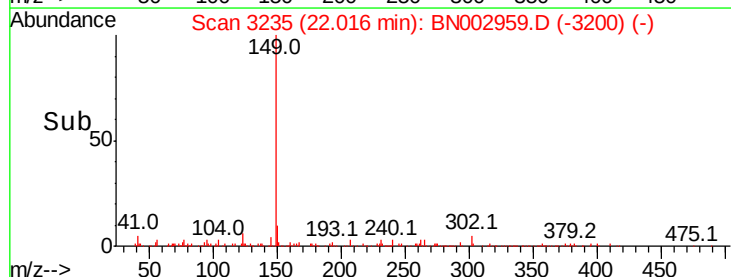
Ion	Ratio	Lower	Upper
149	100		
167	4.9	1.4	2.0#
43	32.1	7.4	11.0#

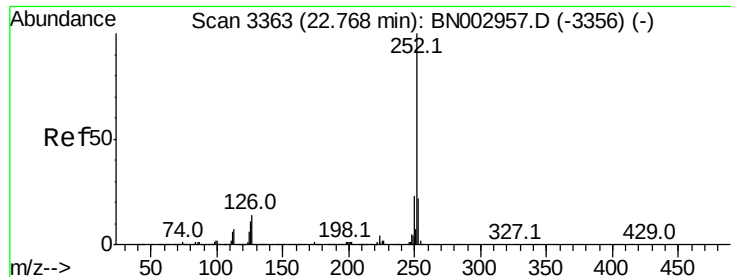


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BNO





#87

Benzo(b)fluoranthene

Concen: 39.887 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. 0.01 min

Lab File: BN002959.D

Acq: 05 Oct 2018 10:27

Instrument :

BNA_N

ClientSampleId :

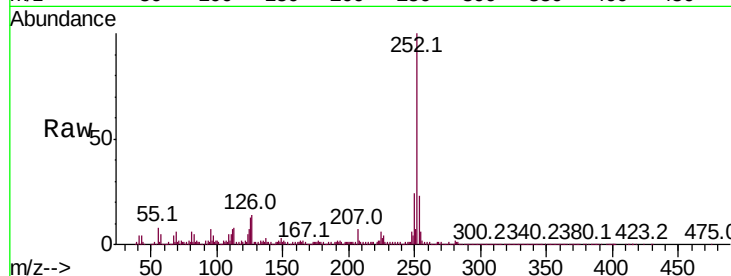
Tot Ion:252 Resp: 1196755

Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.4

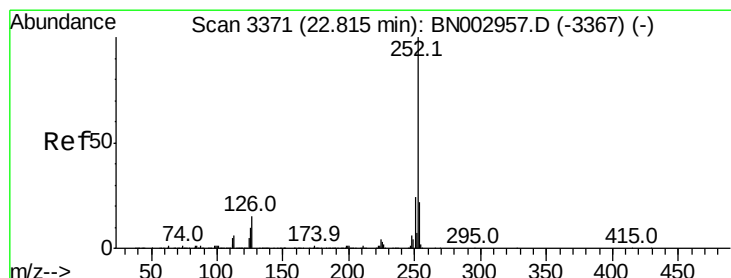
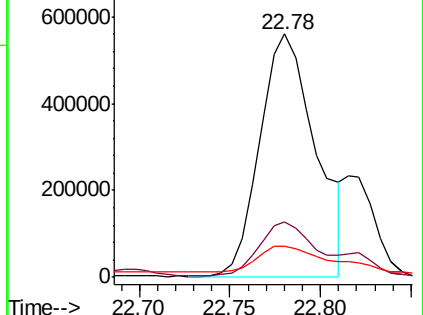
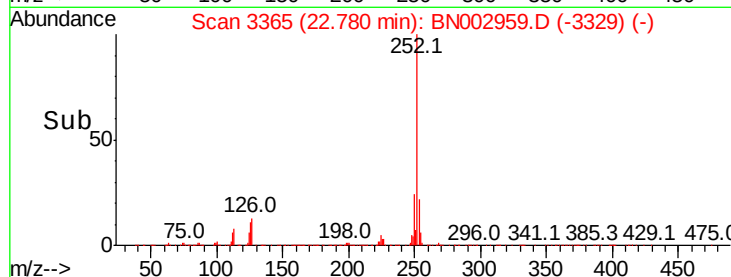
125 13.0 8.0 12.0#



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: 42.754 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. -0.04 min

Lab File: BN002959.D

Acq: 05 Oct 2018 10:27

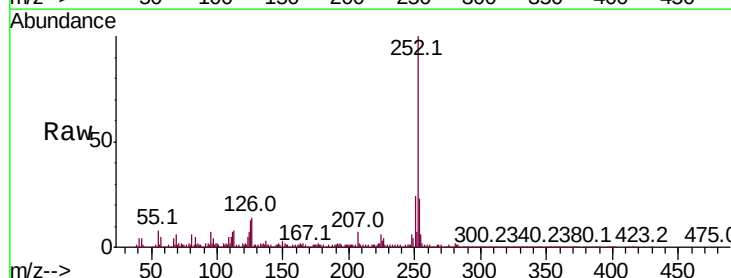
Tgt Ion:252 Resp: 1196755

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

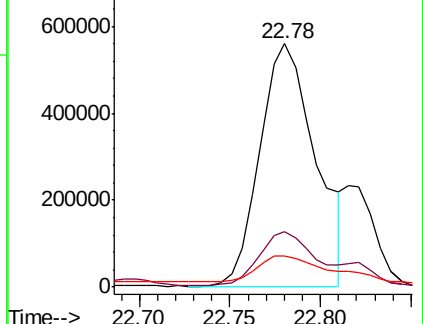
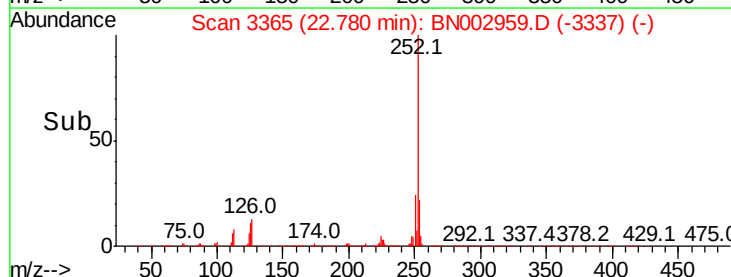
125 13.0 8.3 12.5#

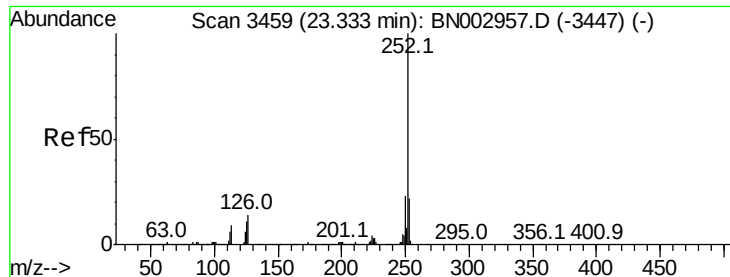


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 17.316 ng/ul

RT: 23.34 min Scan# 3460

Delta R.T. 0.01 min

Lab File: BN002959.D

Acq: 05 Oct 2018 10:27

Instrument :

BNA_N

ClientSampled :

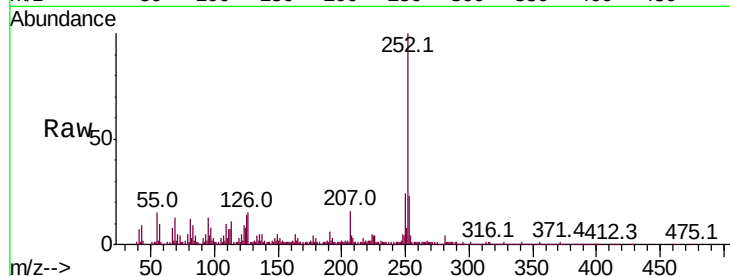
Tot Ion:252 Resp: 491159

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

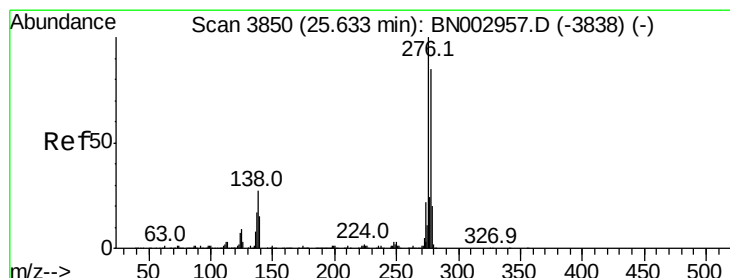
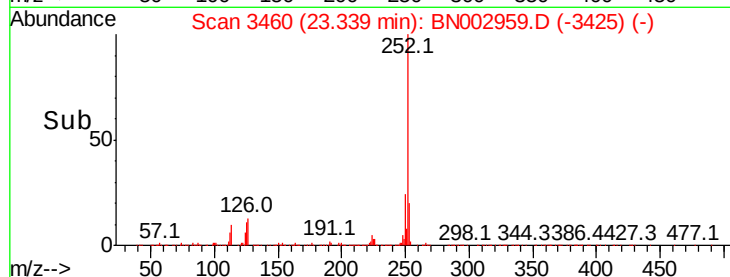
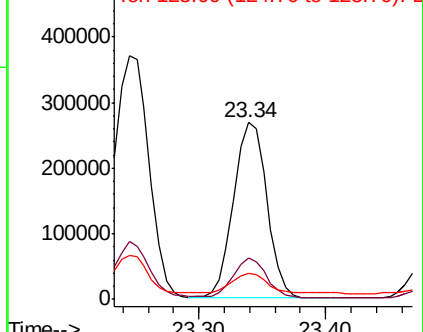
125 14.5 8.8 13.2#



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: 14.787 ng/ul

RT: 25.64 min Scan# 3852

Delta R.T. 0.01 min

Lab File: BN002959.D

Acq: 05 Oct 2018 10:27

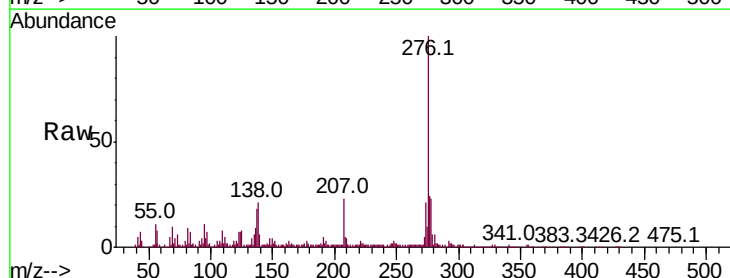
Tgt Ion:276 Resp: 496572

Ion Ratio Lower Upper

276 100

138 21.3 20.2 30.4

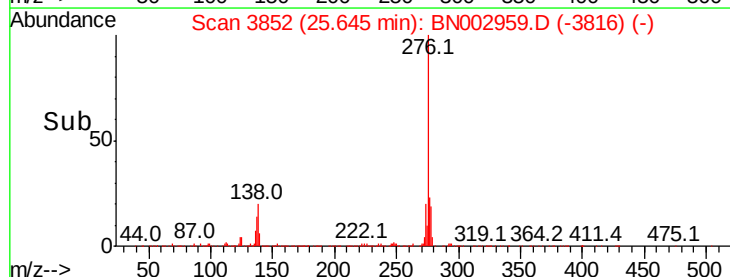
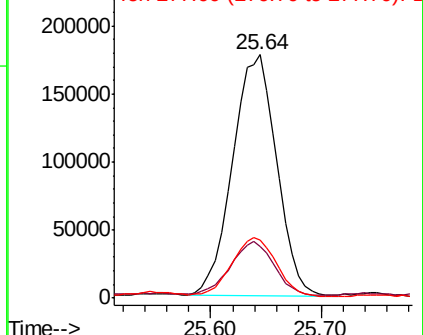
277 23.9 20.0 30.0

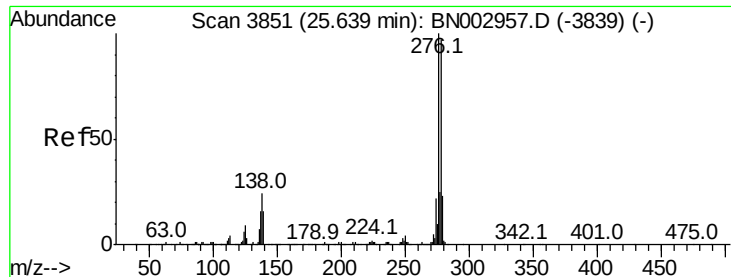


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 4.788 ng/ul

RT: 25.64 min Scan# 3851

Delta R.T. 0.00 min

Lab File: BN002959.D

Acq: 05 Oct 2018 10:27

Instrument :

BNA_N

ClientSampleId :

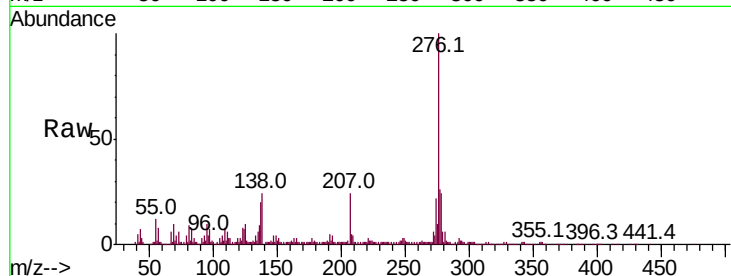
Tot Ion:278 Resp: 135483

Ion Ratio Lower Upper

278 100

139 0.0 12.7 19.1#

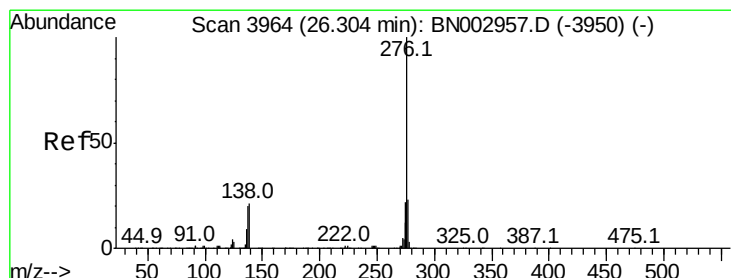
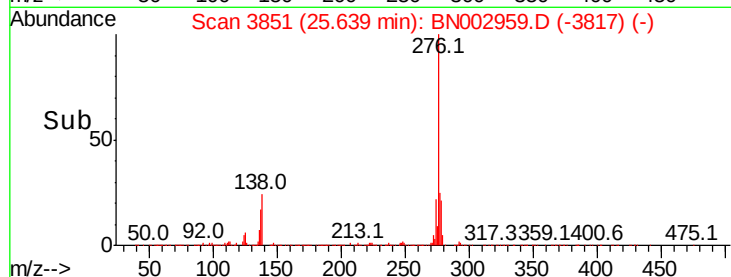
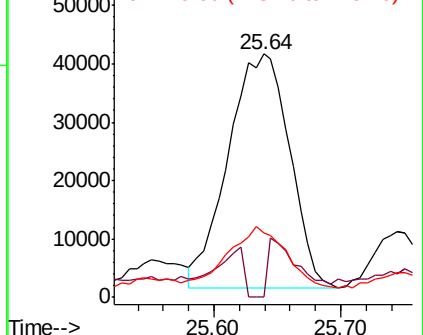
279 26.5 18.7 28.1



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



#93

Benzo(g,h,i)perylene

Concen: 20.664 ng/ul

RT: 26.32 min Scan# 3967

Delta R.T. 0.02 min

Lab File: BN002959.D

Acq: 05 Oct 2018 10:27

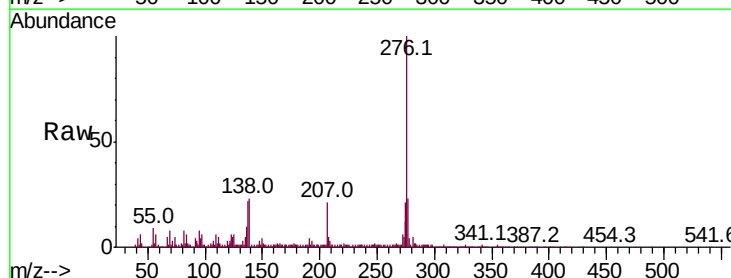
Tgt Ion:276 Resp: 580075

Ion Ratio Lower Upper

276 100

138 22.5 18.2 27.2

277 23.4 18.6 28.0



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

