

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091218\
 Data File : BN002665.D
 Acq On : 12 Sep 2018 21:13
 Operator : JU/SJ
 Sample : J4792-18
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 13 06:01:13 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 13 05:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	176768	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	783015	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.29	164	433652	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.05	188	852891	20.00	ng/ul	0.00
77) Chrysene-d12	21.24	240	602112	20.00	ng/ul	0.00
85) Perylene-d12	23.46	264	623827	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	13933	3.72	ng/uL	0.00
5) Phenol-d5	6.85	99	307424	18.97	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	204281	20.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	257345	20.85	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	225953	17.44	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	131168	21.04	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	137345	20.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	245596	20.39	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	299682	23.02	ng/ul	0.00
43) Dimethylphthalate-d6	13.71	166	810676	22.55	ng/ul	0.00
46) Acenaphthylene-d8	13.99	160	1003323	22.75	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	8899	1.31	ng/ul	0.03
57) Fluorene-d10	15.29	176	693371	22.25	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	9245	1.70	ng/ul	0.01
70) Anthracene-d10	17.14	188	949550	23.30	ng/ul	0.00
78) Pyrene-d10	19.44	212	851773	29.56	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.32	264	775163	23.76	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.88	94	16522	1.001	ng/ul#	75
28) Naphthalene	10.48	128	45379	1.126	ng/ul	98
44) Dimethylphthalate	13.75	163	464435	13.173	ng/ul	99
49) Acenaphthene	14.36	153	51123	1.726	ng/ul	97
53) Dibenzofuran	14.70	168	55198	1.321	ng/ul	100
58) Fluorene	15.35	166	61500	1.799	ng/ul	99
69) Phenanthrene	17.09	178	859818	18.287	ng/ul	99
71) Anthracene	17.17	178	208591	4.374	ng/ul	99
74) Carbazole	17.45	167	77644	1.836	ng/ul	99
76) Fluoranthene	19.11	202	1023982	19.135	ng/ul	100
79) Pyrene	19.47	202	821910	22.639	ng/ul	99
80) Butylbenzylphthalate	20.38	149	17628	1.146	ng/ul#	83
82) Benzo(a)anthracene	21.23	228	335799	9.103	ng/ul	98
83) Bis(2-ethylhexyl)phthalate	21.16	149	92813	4.022	ng/ul#	94
84) Chrysene	21.28	228	291283	8.343	ng/ul	96
87) Benzo(b)fluoranthene	22.80	252	368027	9.842	ng/ul#	94
88) Benzo(k)fluoranthene	22.80	252	368027	10.447	ng/ul#	94
90) Benzo(a)pyrene	23.37	252	253413	7.114	ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.67	276	162520	3.835	ng/ul	94
92) Dibenz(a,h)anthracene	25.68	278	44908	1.268	ng/ul#	88
93) Benzo(a,h,i)perylene	26.35	276	143216	4.050	ng/ul	97

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Response via : Initial Calibration

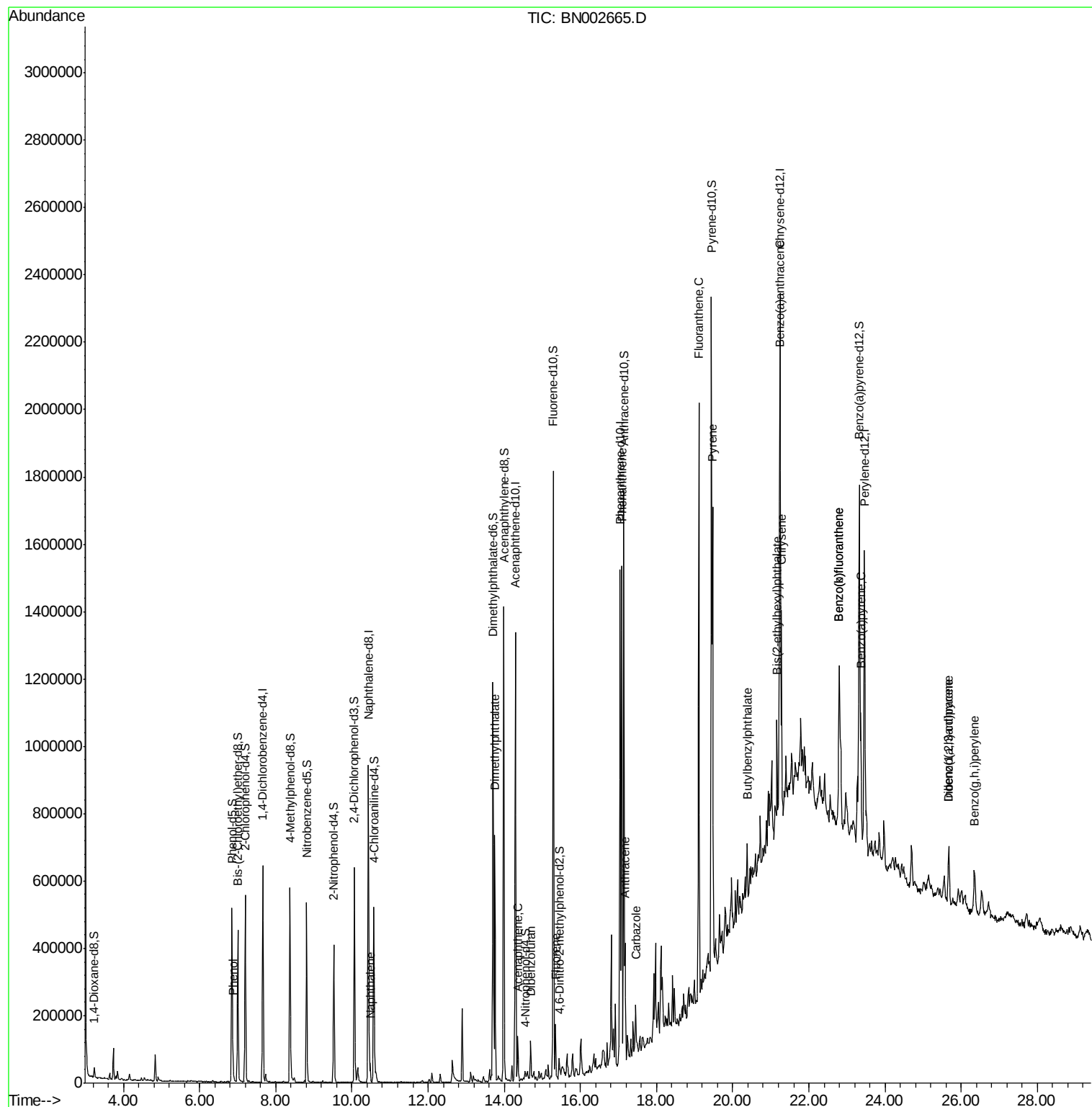
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

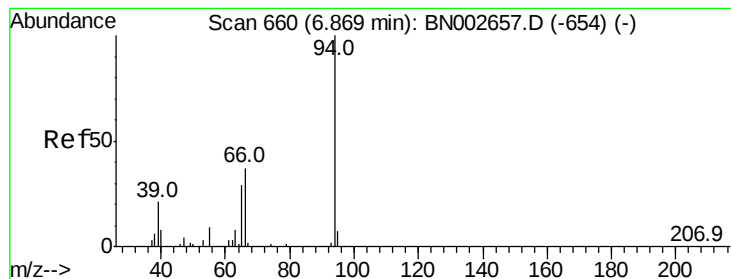
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#6

Phenol

Concen: 1.001 ng/ul

RT: 6.88 min Scan# 661

Delta R.T. 0.01 min

Lab File: BN002665.D

Acq: 12 Sep 2018 21:13

Instrument :

BNA_N

ClientSampleId :

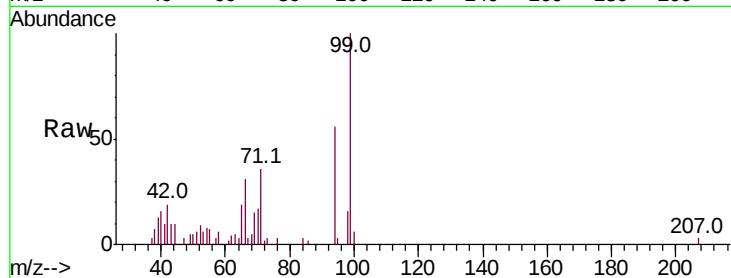
Tot Ion: 94 Resp: 16522

Ion Ratio Lower Upper

94 100

65 33.3 21.0 31.6#

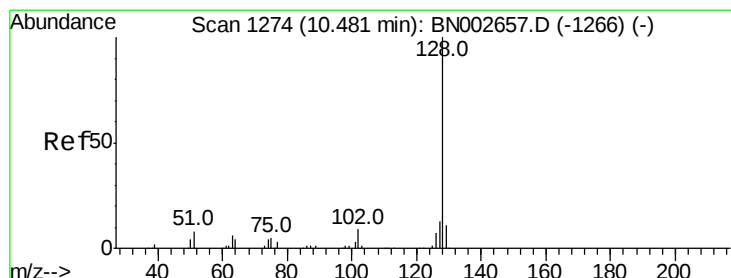
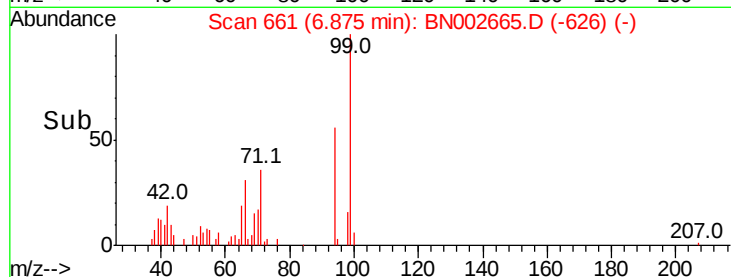
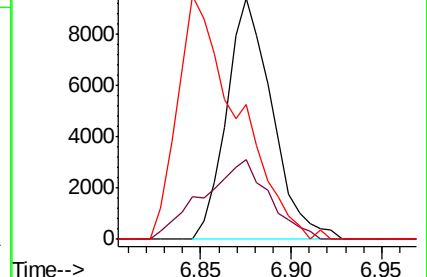
66 56.1 29.3 43.9#



Abundance Ion 94.00 (93.70 to 94.70): BN002657.D (-654) (-)

Ion 65.00 (64.70 to 65.70): BN002657.D (-654) (-)

Ion 66.00 (65.70 to 66.70): BN002657.D (-654) (-)



#28

Naphthalene

Concen: 1.126 ng/ul

RT: 10.48 min Scan# 1274

Delta R.T. -0.00 min

Lab File: BN002665.D

Acq: 12 Sep 2018 21:13

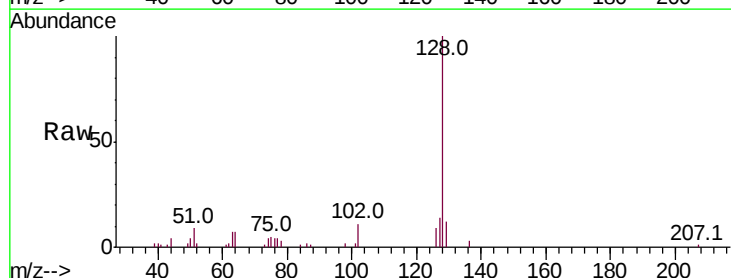
Tgt Ion:128 Resp: 45379

Ion Ratio Lower Upper

128 100

129 11.9 8.8 13.2

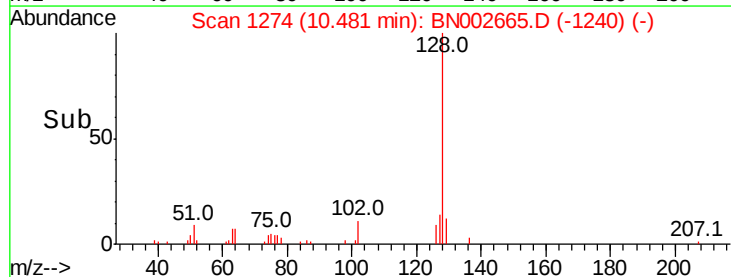
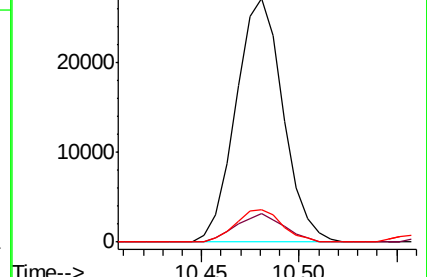
127 13.5 10.5 15.7

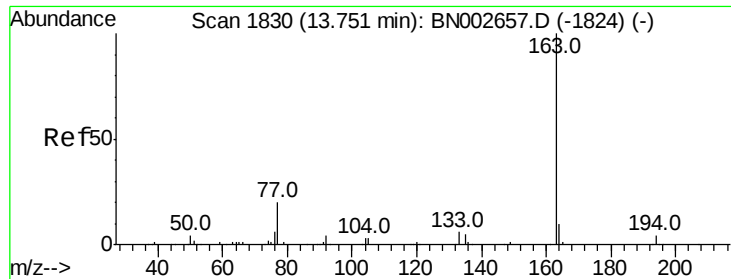


Abundance Ion 128.00 (127.70 to 128.70): BN002657.D (-1266) (-)

Ion 129.00 (128.70 to 129.70): BN002657.D (-1266) (-)

Ion 127.00 (126.70 to 127.70): BN002657.D (-1266) (-)





#44

Dimethylphthalate

Concen: 13.173 ng/ul

RT: 13.75 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BN002665.D

Acq: 12 Sep 2018 21:13

Instrument :

BNA_N

ClientSampleId :

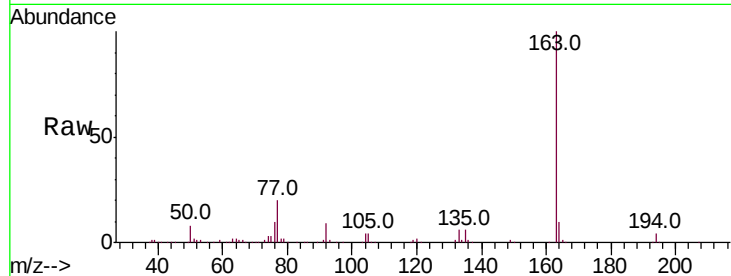
Tot Ion:163 Resp: 464435

Ion Ratio Lower Upper

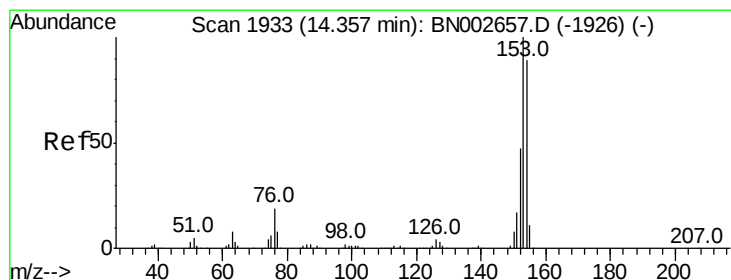
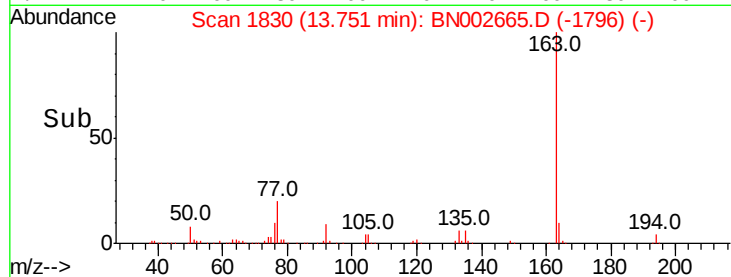
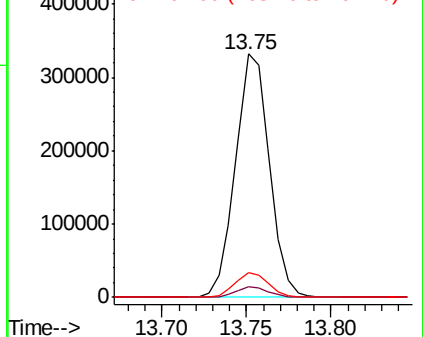
163 100

194 4.2 3.2 4.8

164 10.2 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#49

Acenaphthene

Concen: 1.726 ng/ul

RT: 14.36 min Scan# 1933

Delta R.T. -0.00 min

Lab File: BN002665.D

Acq: 12 Sep 2018 21:13

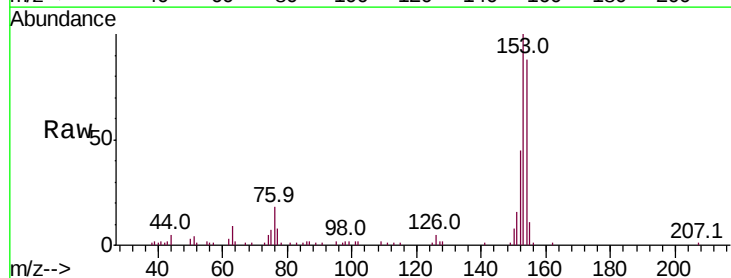
Tgt Ion:153 Resp: 51123

Ion Ratio Lower Upper

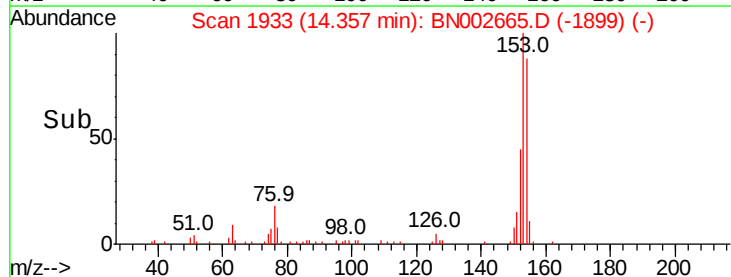
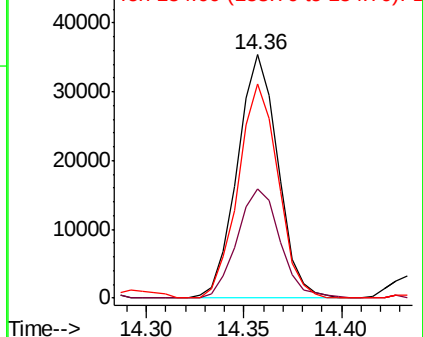
153 100

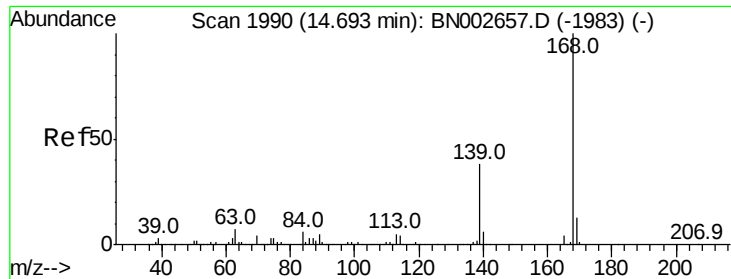
152 44.8 38.3 57.5

154 88.1 71.8 107.8



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: 1.321 ng/ul

RT: 14.70 min Scan# 1991

Delta R.T. 0.01 min

Lab File: BN002665.D

Acq: 12 Sep 2018 21:13

Instrument :

BNA_N

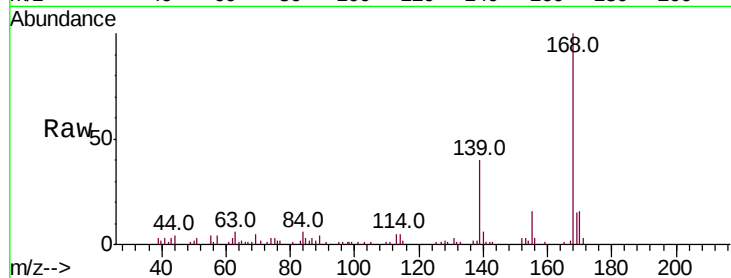
ClientSampleId :

Tot Ion:168 Resp: 55198

Ion Ratio Lower Upper

168 100

139 40.0 32.2 48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.70

40000

30000

20000

10000

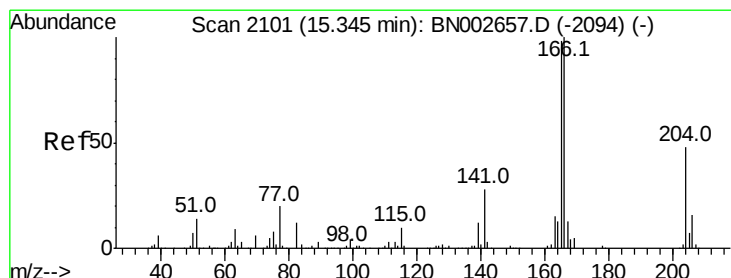
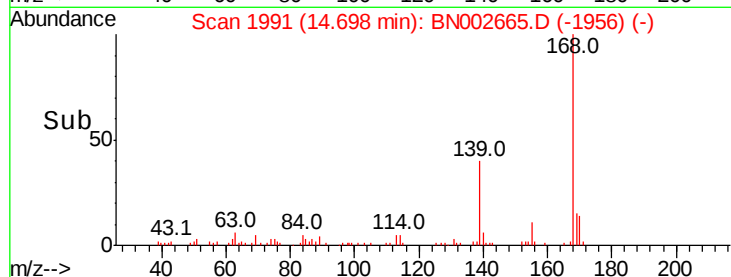
0

14.65

14.70

14.75

Time-->



#58

Fluorene

Concen: 1.799 ng/ul

RT: 15.35 min Scan# 2101

Delta R.T. -0.00 min

Lab File: BN002665.D

Acq: 12 Sep 2018 21:13

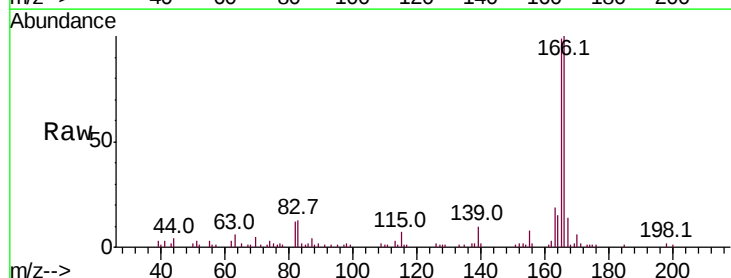
Tgt Ion:166 Resp: 61500

Ion Ratio Lower Upper

166 100

165 99.3 78.5 117.7

167 13.9 10.7 16.1



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

15.35

50000

40000

30000

20000

10000

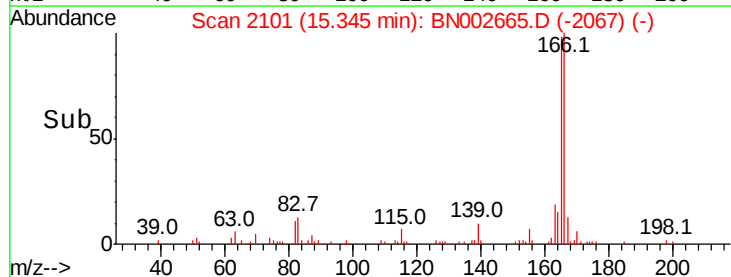
0

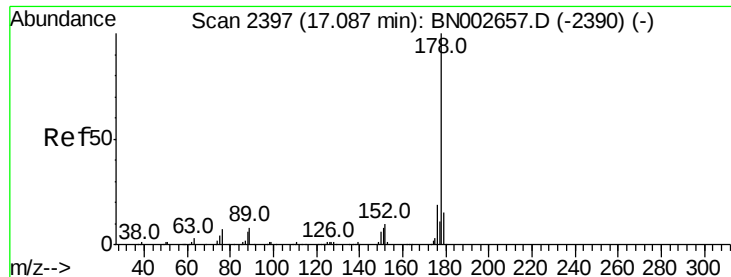
15.30

15.35

15.40

Time-->





#69

Phenanthrene

Concen: 18.287 ng/ul

RT: 17.09 min Scan# 2397

Delta R.T. -0.00 min

Lab File: BN002665.D

Acq: 12 Sep 2018 21:13

Instrument :

BNA_N

ClientSampleId :

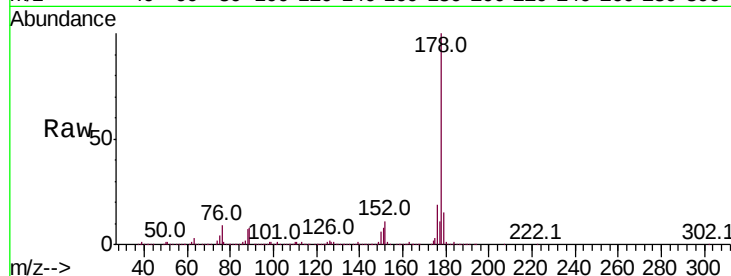
Tot Ion:178 Resp: 859818

Ion Ratio Lower Upper

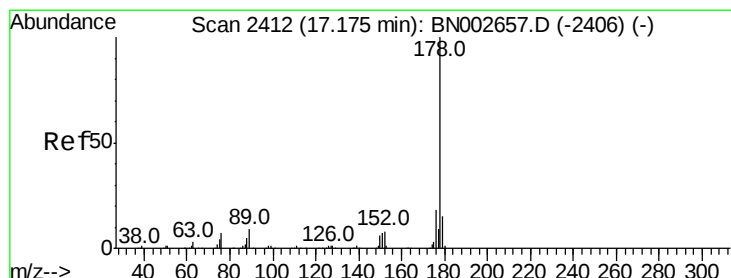
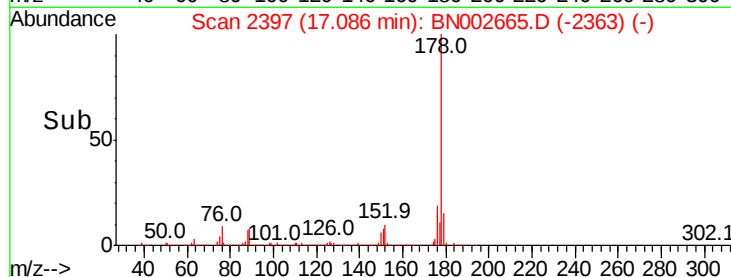
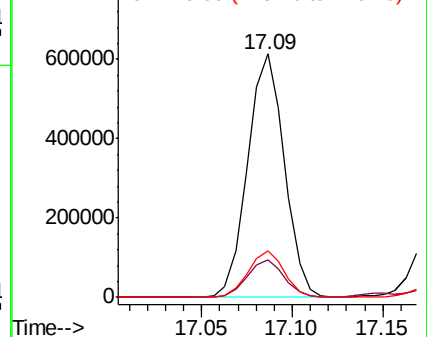
178 100

179 15.5 12.2 18.4

176 19.0 15.6 23.4



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



#71

Anthracene

Concen: 4.374 ng/ul

RT: 17.17 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BN002665.D

Acq: 12 Sep 2018 21:13

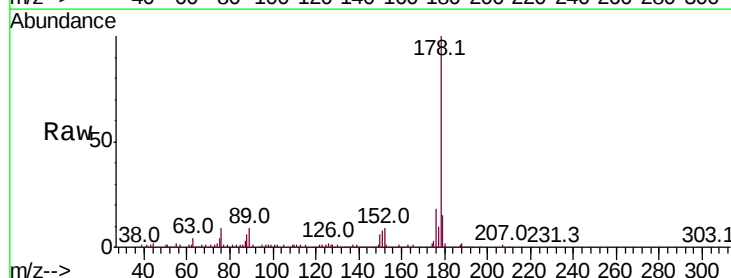
Tgt Ion:178 Resp: 208591

Ion Ratio Lower Upper

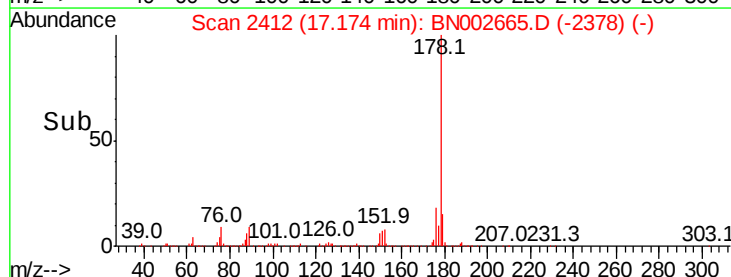
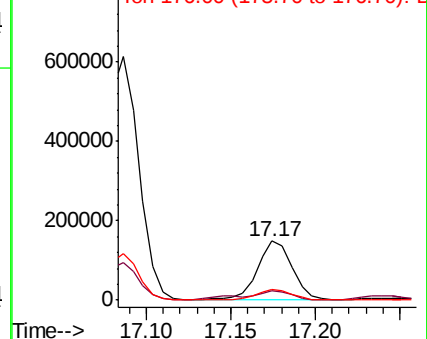
178 100

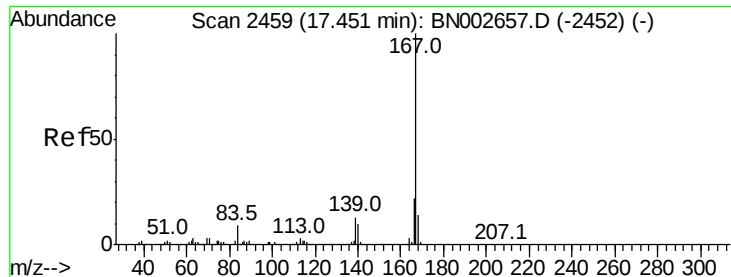
179 15.1 12.1 18.1

176 18.0 14.8 22.2



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

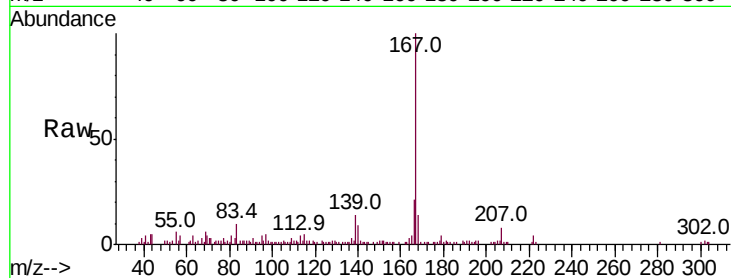




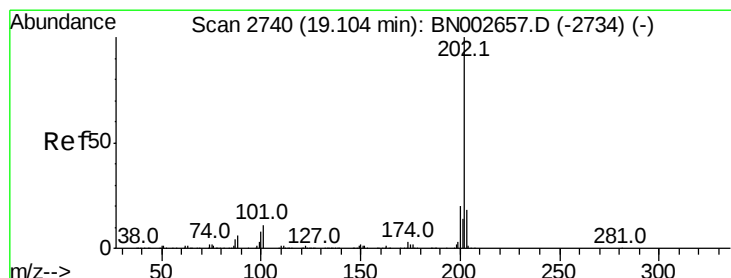
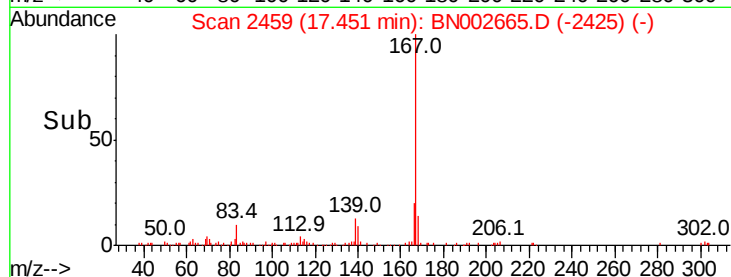
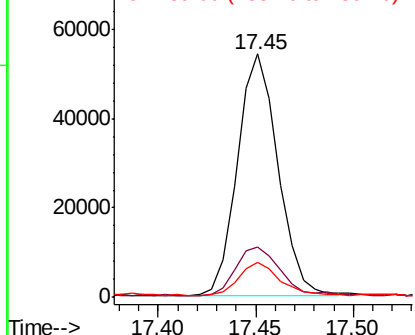
#74
 Carbazole
 Concen: 1.836 ng/ul
 RT: 17.45 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: BN002665.D
 Acq: 12 Sep 2018 21:13

Instrument :
 BNA_N
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Tot Ion:167 Resp: 77644
 Ion Ratio Lower Upper
 167 100
 166 20.7 17.0 25.6
 139 14.4 11.0 16.4

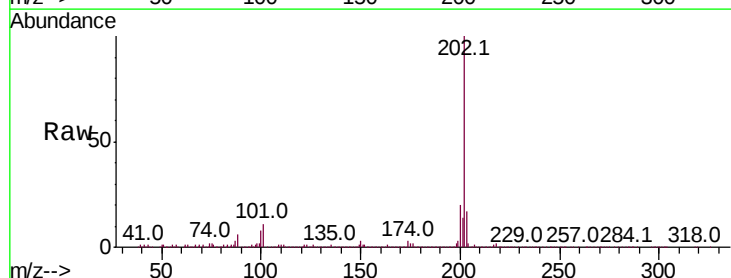


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

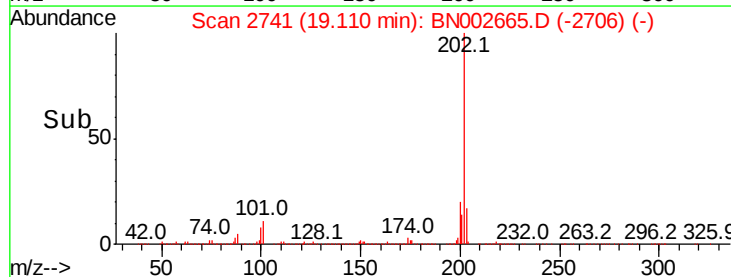
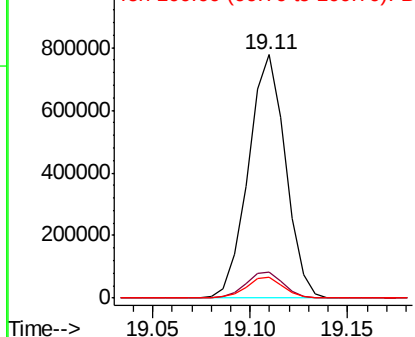


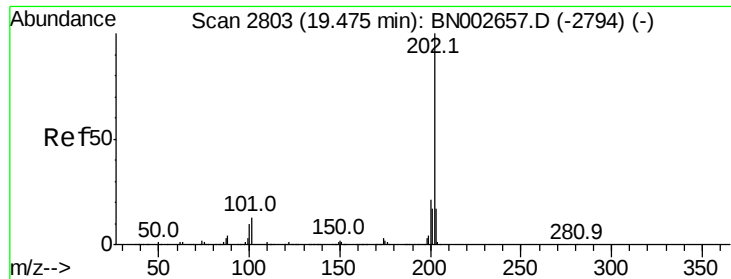
#76
 Fluoranthene
 Concen: 19.135 ng/ul
 RT: 19.11 min Scan# 2741
 Delta R.T. 0.01 min
 Lab File: BN002665.D
 Acq: 12 Sep 2018 21:13

Tgt Ion:202 Resp: 1023982
 Ion Ratio Lower Upper
 202 100
 101 10.8 8.8 13.2
 100 8.4 6.6 9.8



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: 22.639 ng/ul

RT: 19.47 min Scan# 2803

Delta R.T. -0.00 min

Lab File: BN002665.D

Acq: 12 Sep 2018 21:13

Instrument :

BNA_N

ClientSampleId :

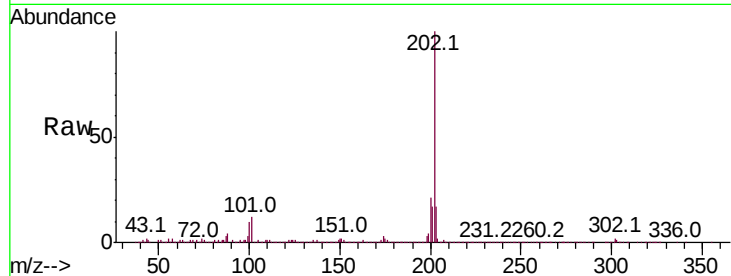
Tot Ion:202 Resp: 821910

Ion Ratio Lower Upper

202 100

101 12.3 10.2 15.2

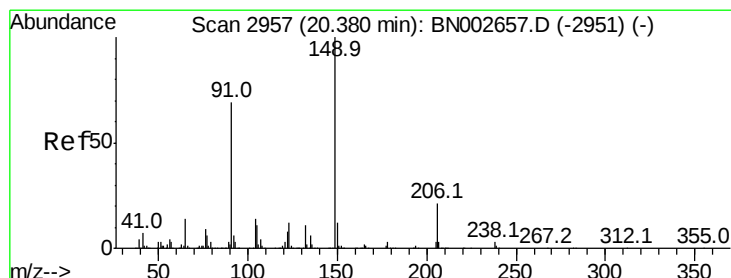
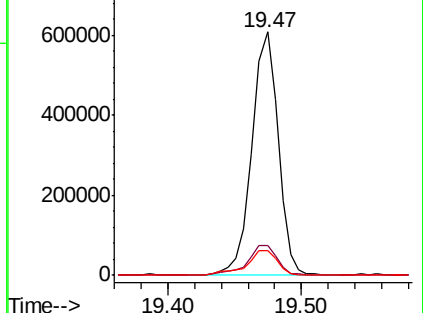
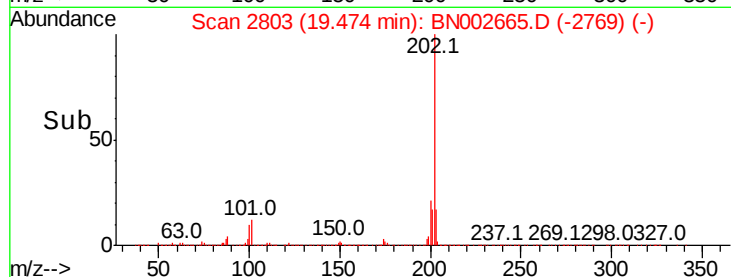
100 10.2 8.5 12.7



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: 1.146 ng/ul

RT: 20.38 min Scan# 2957

Delta R.T. -0.00 min

Lab File: BN002665.D

Acq: 12 Sep 2018 21:13

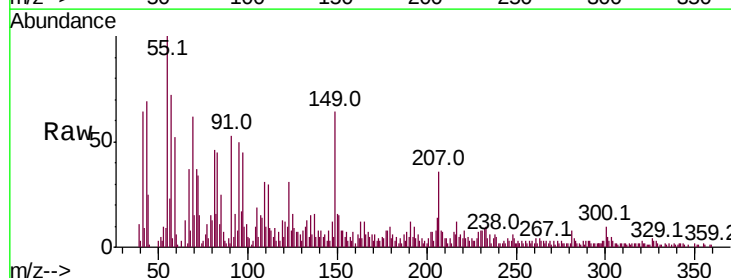
Tgt Ion:149 Resp: 17628

Ion Ratio Lower Upper

149 100

91 84.0 53.4 80.2#

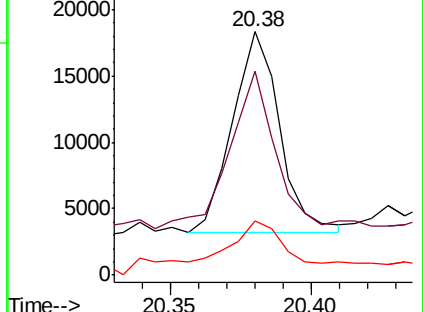
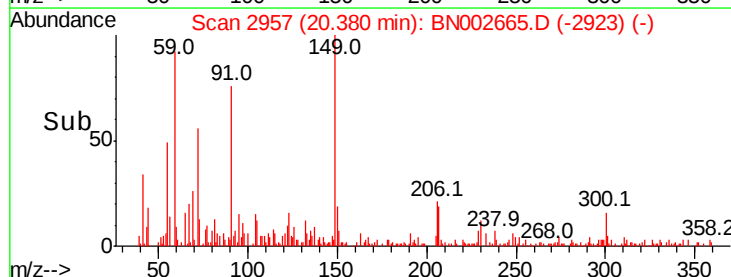
206 22.5 16.6 24.8

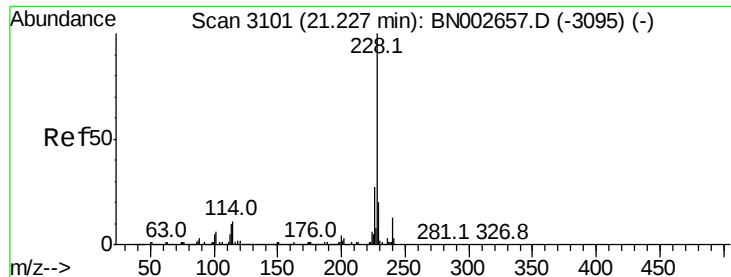


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): B

Ion 206.00 (205.70 to 206.70): E





#82

Benzo(a)anthracene

Concen: 9.103 ng/ul

RT: 21.23 min Scan# 3101

Delta R.T. -0.00 min

Lab File: BN002665.D

Acq: 12 Sep 2018 21:13

Instrument :

BNA_N

ClientSampleId :

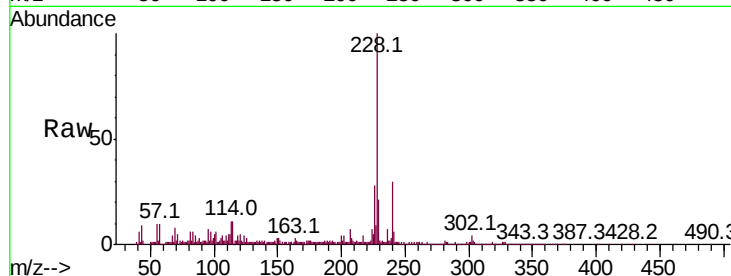
Tot Ion:228 Resp: 335799

Ion Ratio Lower Upper

228 100

229 20.6 15.7 23.5

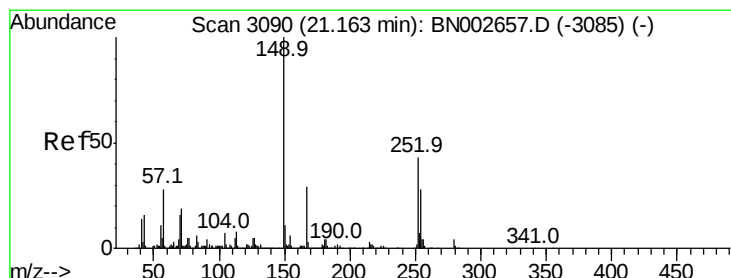
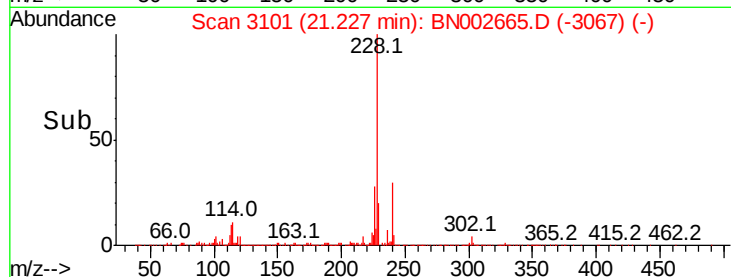
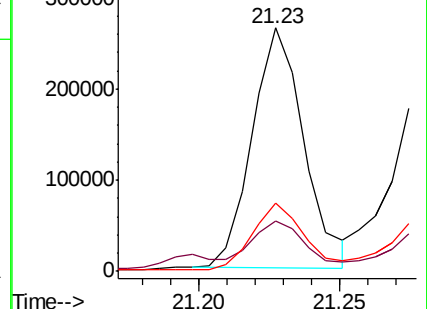
226 28.0 21.8 32.6



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: 4.022 ng/ul

RT: 21.16 min Scan# 3090

Delta R.T. -0.00 min

Lab File: BN002665.D

Acq: 12 Sep 2018 21:13

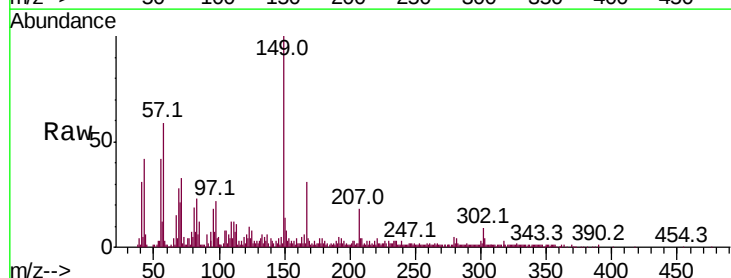
Tgt Ion:149 Resp: 92813

Ion Ratio Lower Upper

149 100

167 30.5 21.6 32.4

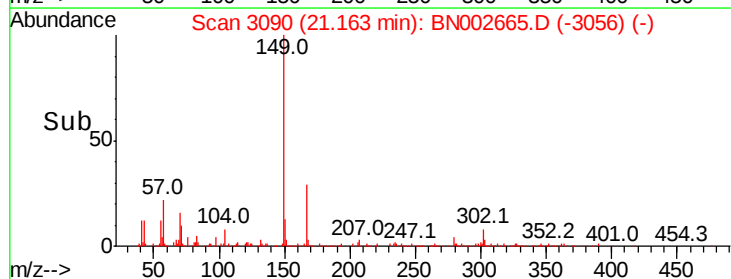
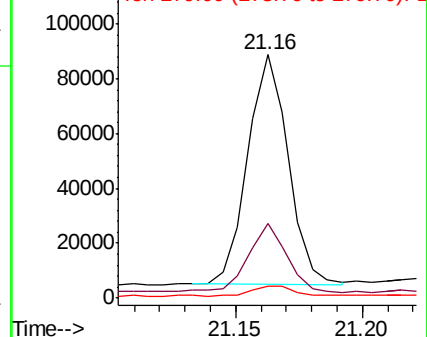
279 4.9 3.0 4.4#

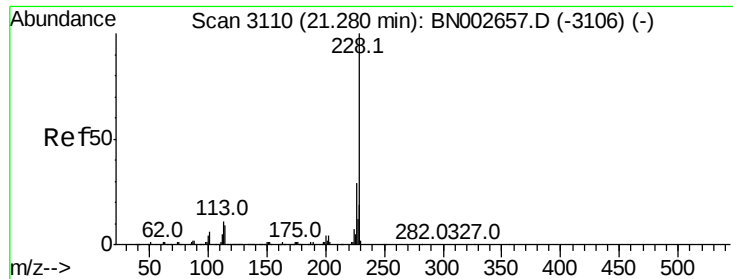


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 8.343 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. -0.00 min

Lab File: BN002665.D

Acq: 12 Sep 2018 21:13

Instrument :

BNA_N

ClientSampleId :

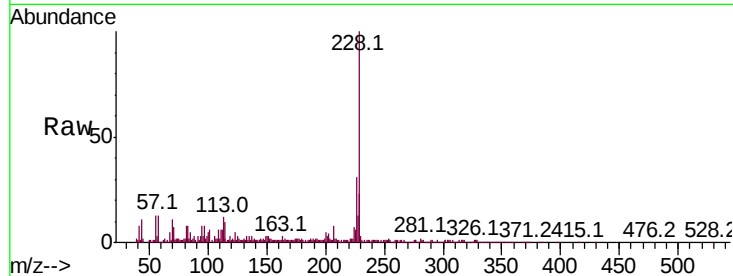
Tot Ion:228 Resp: 291283

Ion Ratio Lower Upper

228 100

226 30.6 24.0 36.0

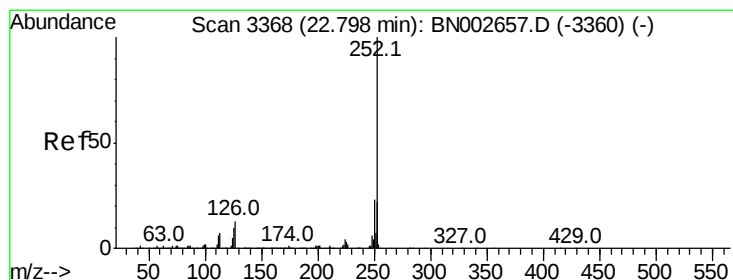
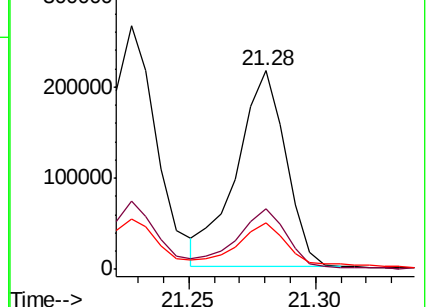
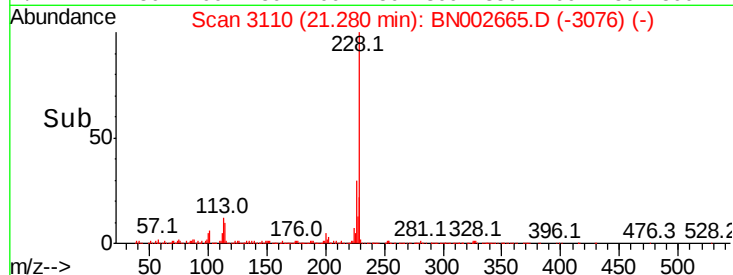
229 23.2 15.6 23.4



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



#87

Benzo(b)fluoranthene

Concen: 9.842 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. 0.01 min

Lab File: BN002665.D

Acq: 12 Sep 2018 21:13

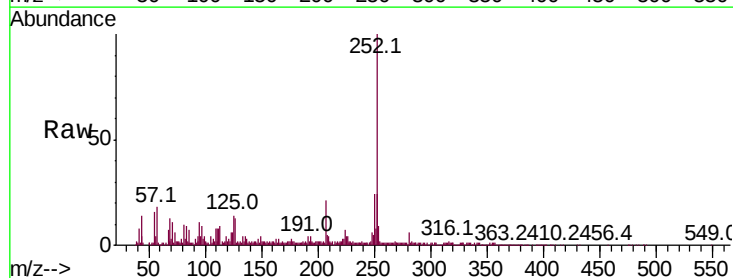
Tgt Ion:252 Resp: 368027

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

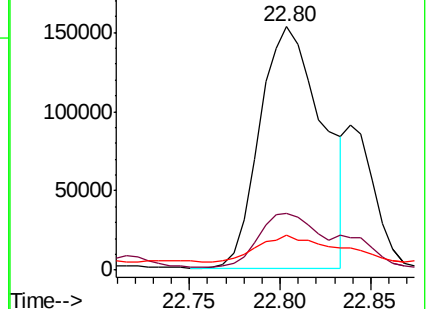
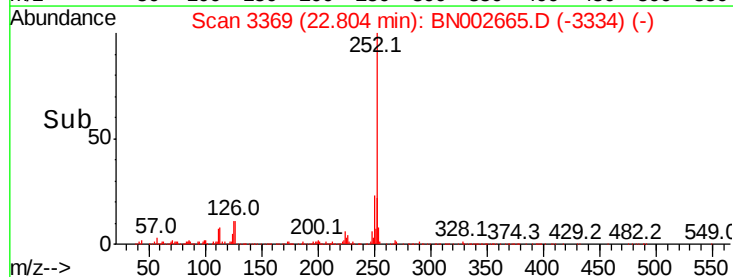
125 14.3 8.5 12.7#

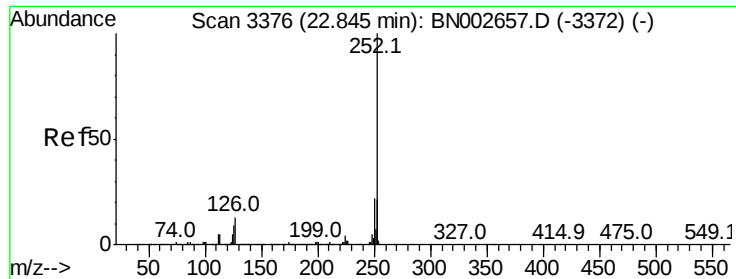


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 10.447 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. -0.04 min

Lab File: BN002665.D

Acq: 12 Sep 2018 21:13

Instrument :

BNA_N

ClientSampleId :

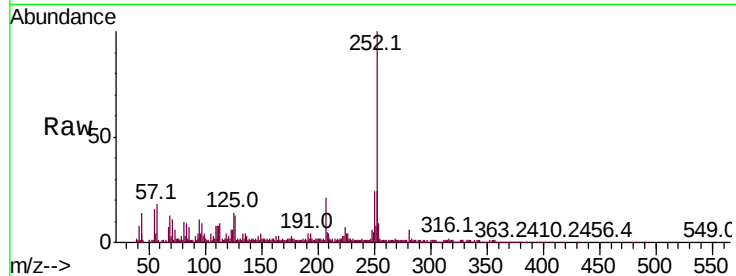
Tot Ion:252 Resp: 368027

Ion Ratio Lower Upper

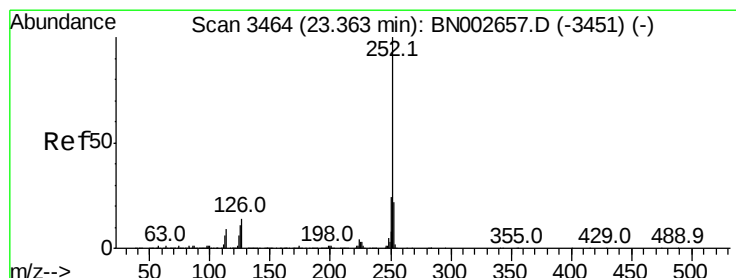
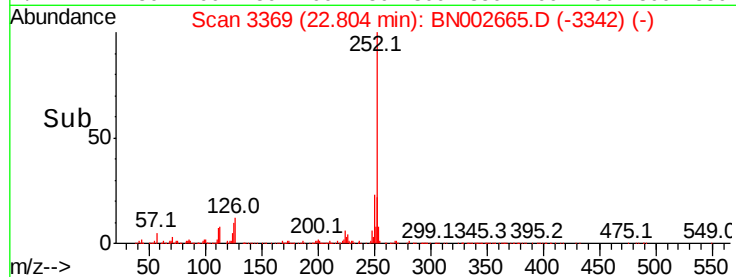
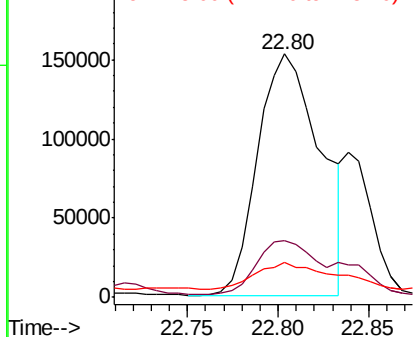
252 100

253 23.6 17.3 25.9

125 14.3 8.2 12.2#



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



#90

Benzo(a)pyrene

Concen: 7.114 ng/ul

RT: 23.37 min Scan# 3465

Delta R.T. 0.01 min

Lab File: BN002665.D

Acq: 12 Sep 2018 21:13

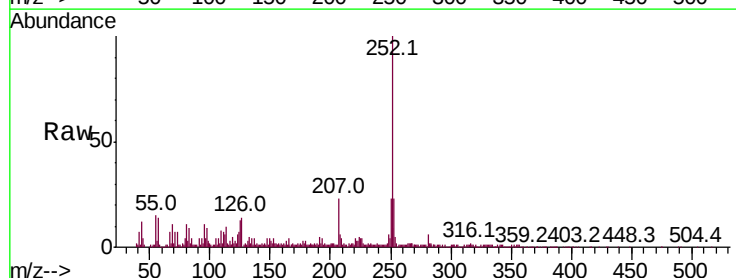
Tgt Ion:252 Resp: 253413

Ion Ratio Lower Upper

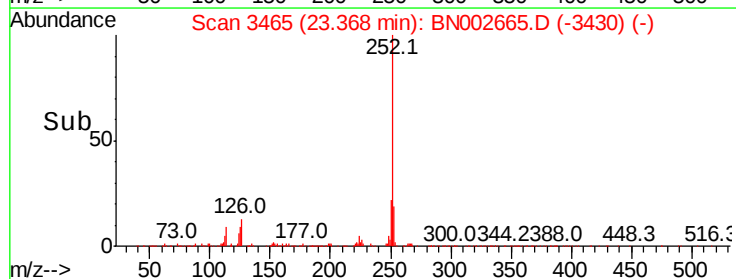
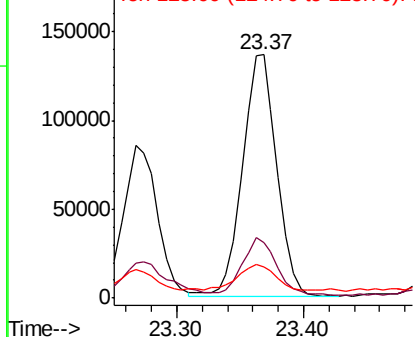
252 100

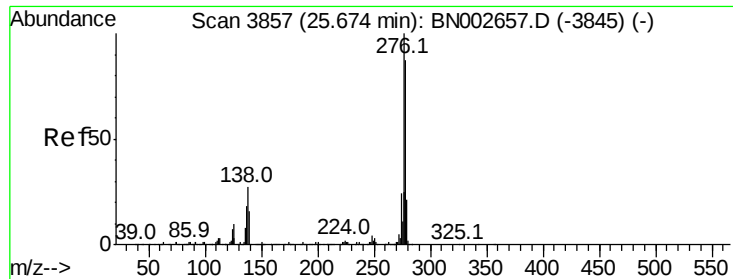
253 23.0 17.2 25.8

125 12.8 9.0 13.6



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



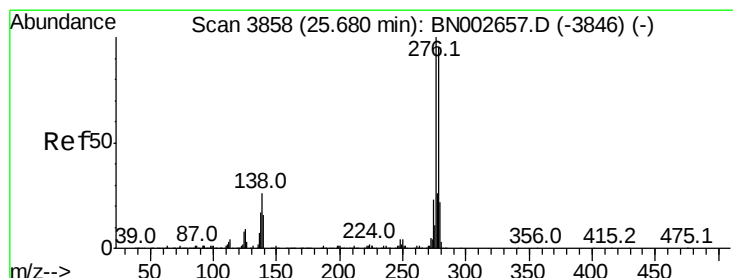
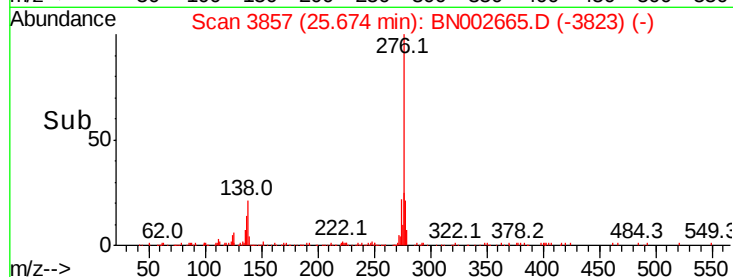
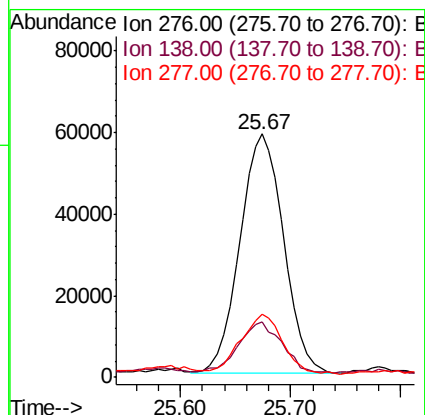
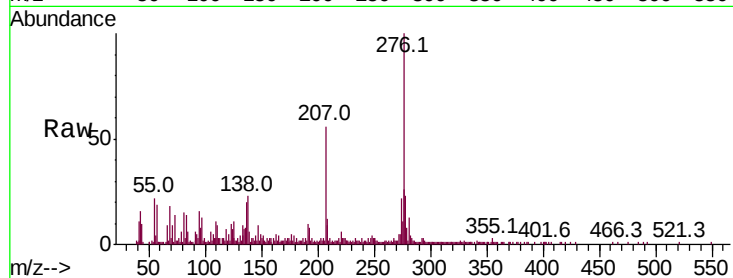


#91

Indeno(1,2,3-cd)pyrene
Concen: 3.835 ng/ul
RT: 25.67 min Scan# 3857
Delta R.T. -0.00 min
Lab File: BN002665.D
Acq: 12 Sep 2018 21:13

Instrument :
BNA_N
ClientSampleId :

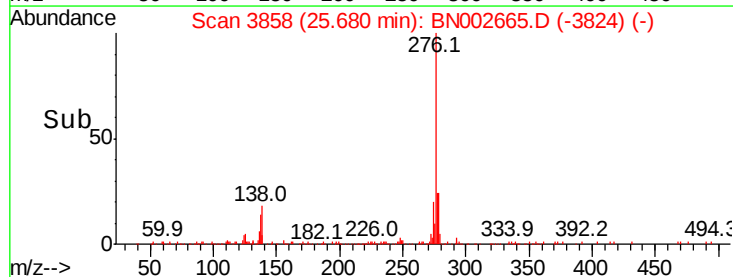
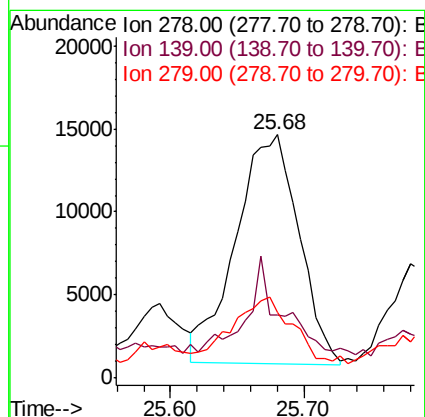
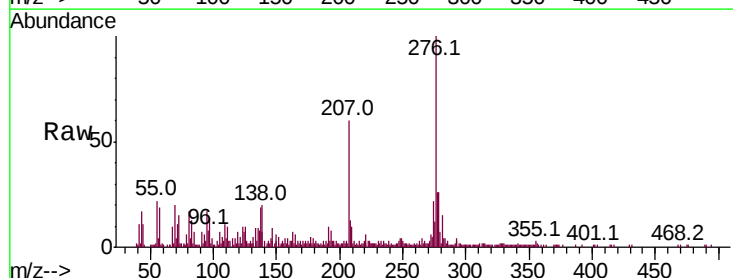
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.6	22.3	33.5
277	26.2	20.2	30.2

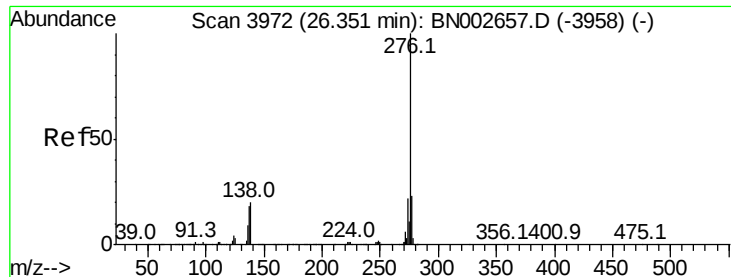


#92

Dibenzo(a,h)anthracene
Concen: 1.268 ng/ul
RT: 25.68 min Scan# 3858
Delta R.T. -0.00 min
Lab File: BN002665.D
Acq: 12 Sep 2018 21:13

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.7	13.9	20.9#
279	26.8	19.0	28.4





#93

Benzo(a,h,i)perylene

Concen: 4.050 ng/ul

RT: 26.35 min Scan# 3972

Delta R.T. -0.00 min

Lab File: BN002665.D

Acq: 12 Sep 2018 21:13

Instrument :

BNA_N

ClientSampleId :

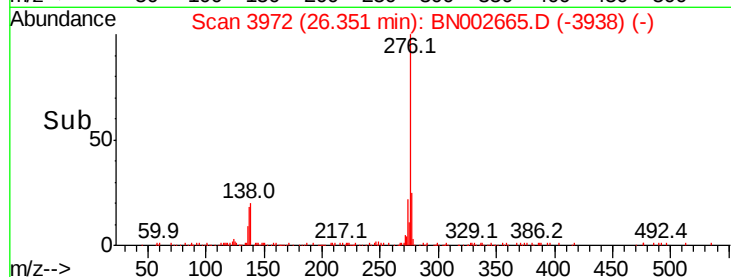
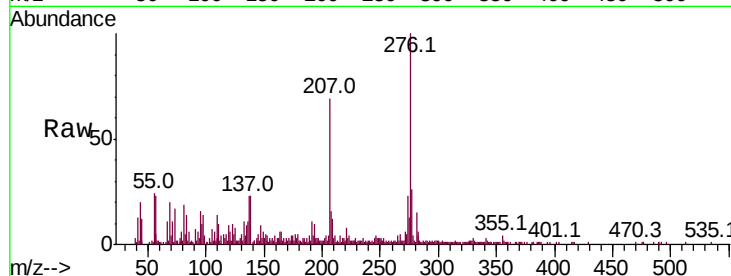
Tot Ion: 276 Resp: 143216

Ion Ratio Lower Upper

276 100

138 22.5 18.9 28.3

277 26.2 19.2 28.8



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

