

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100618\
 Data File : BN002961.D
 Acq On : 05 Oct 2018 11:37
 Operator : MJ/SJ
 Sample : J5183-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 06 01:09:10 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	142523	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	642232	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	376289	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	786895	20.00	ng/ul	0.00
77) Chrysene-d12	21.23	240	562541	20.00	ng/ul	0.01
85) Perylene-d12	23.45	264	549491	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	7677	2.48	ng/uL	0.00
5) Phenol-d5	6.82	99	203756	16.83	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.97	67	127724	16.99	ng/ul	0.00
9) 2-Chlorophenol-d4	7.16	132	178147	17.88	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	161231	17.20	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	89491	17.99	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	104652	18.59	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.04	165	188166	18.52	ng/ul	0.01
29) 4-Chloroaniline-d4	10.55	131	140640	11.96	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	585354	19.87	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	786917	20.46	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	68520	14.07	ng/ul	0.02
57) Fluorene-d10	15.26	176	561248	21.75	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.42	200	26011	5.28	ng/ul	0.00
70) Anthracene-d10	17.12	188	813496	21.65	ng/ul	0.00
78) Pyrene-d10	19.43	212	717497	24.17	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.31	264	623561	21.56	ng/ul	0.02

Target Compounds

					Ovalue
4) Benzaldehyde	6.79	77	12828	1.939 ng/ul#	86
6) Phenol	6.85	94	31913	2.615 ng/ul	96
14) Acetophenone	8.45	105	21370	1.480 ng/ul	99
44) Dimethylphthalate	13.72	163	611911	21.286 ng/ul	99
49) Acenaphthene	14.33	153	28328	1.107 ng/ul	98
69) Phenanthrene	17.06	178	426057	9.827 ng/ul	99
71) Anthracene	17.15	178	91139	2.073 ng/ul	98
74) Carbazole	17.43	167	106243	2.816 ng/ul	98
75) Di-n-butylphthalate	17.99	149	214429	4.737 ng/ul	98
76) Fluoranthene	19.09	202	1495512	32.336 ng/ul	100
79) Pyrene	19.46	202	1453784	39.086 ng/ul	98
80) Butylbenzylphthalate	20.36	149	377401	24.384 ng/ul	97
82) Benzo(a)anthracene	21.22	228	1015078	29.006 ng/ul	98
83) Bis(2-ethylhexyl)phthalate	21.15	149	1557549	69.319 ng/ul	98
84) Chrysene	21.27	228	5507118	167.894 ng/ul	97
86) Di-n-octyl phthalate	22.03	149	787428	21.680 ng/ul#	80
87) Benzo(b)fluoranthene	22.80	252	3488691	103.959 ng/ul#	94
88) Benzo(k)fluoranthene	22.80	252	3488691	111.432 ng/ul#	96
90) Benzo(a)pyrene	23.36	252	539498	17.005 ng/ul#	91
91) Indeno(1,2,3-cd)pyrene	25.67	276	949515	25.280 ng/ul	97
92) Dibenzo(a,h)anthracene	25.66	278	303694	9.596 ng/ul#	90
93) Benzo(a,h,i)perylene	26.34	276	1118731	35.631 ng/ul	98

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

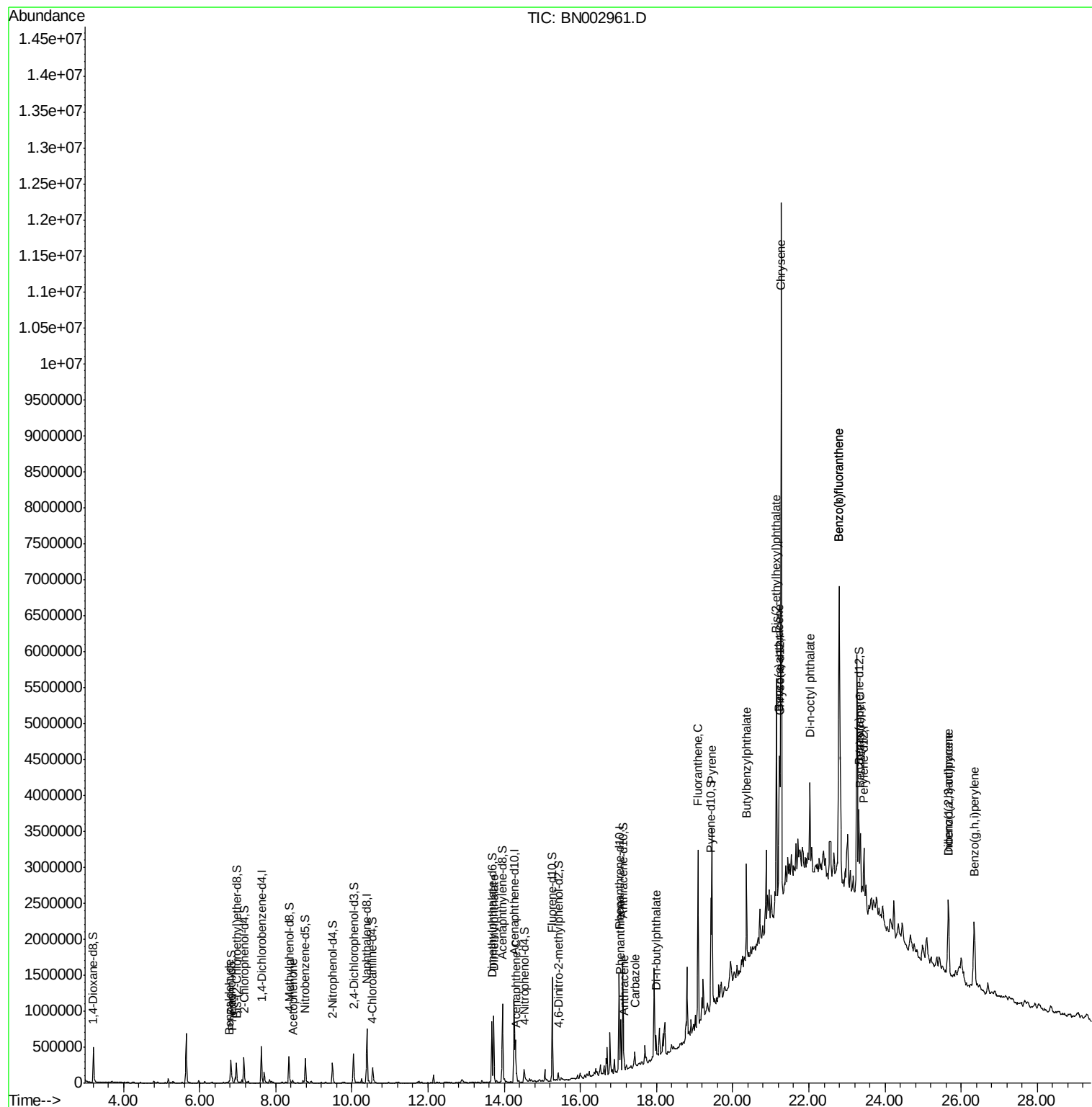
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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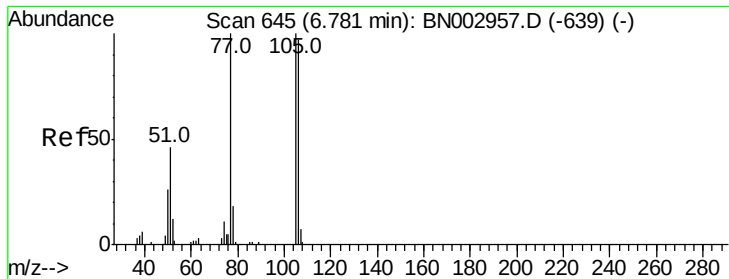
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 06 01:07:30 2018
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.939 ng/ul

RT: 6.79 min Scan# 646

Delta R.T. 0.01 min

Lab File: BN002961.D

Acq: 05 Oct 2018 11:37

Instrument :

BNA_N

ClientSampled :

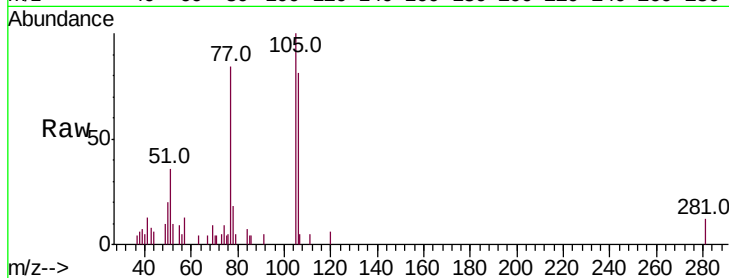
Tot Ion: 77 Resp: 12828

Ion Ratio Lower Upper

77 100

105 118.9 76.2 114.4#

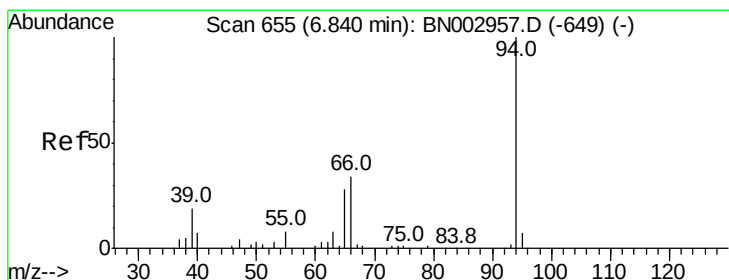
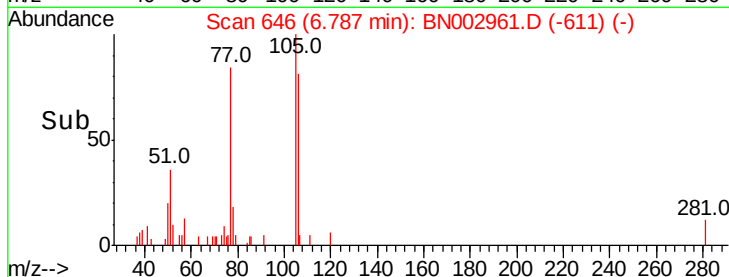
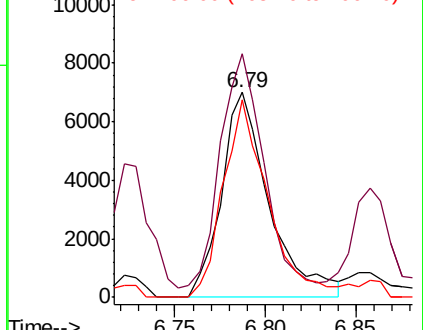
106 96.6 74.2 111.2



Abundance Ion 77.00 (76.70 to 77.70): BN002957.D (-639) (-)

Ion 105.00 (104.70 to 105.70): BN002957.D (-639) (-)

Ion 106.00 (105.70 to 106.70): BN002957.D (-639) (-)



#6

Phenol

Concen: 2.615 ng/ul

RT: 6.85 min Scan# 657

Delta R.T. 0.01 min

Lab File: BN002961.D

Acq: 05 Oct 2018 11:37

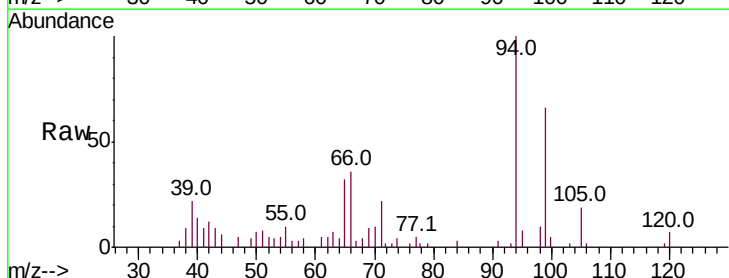
Tgt Ion: 94 Resp: 31913

Ion Ratio Lower Upper

94 100

65 32.4 23.1 34.7

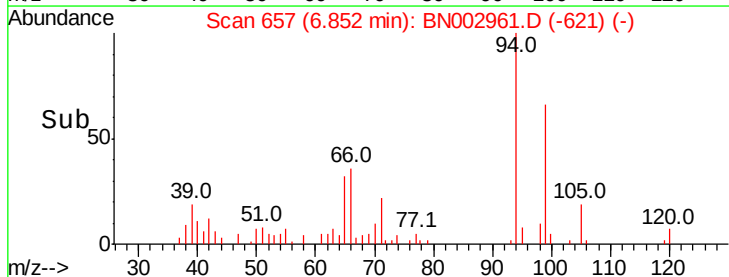
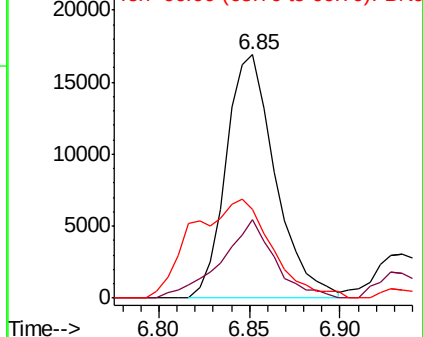
66 36.3 29.8 44.6

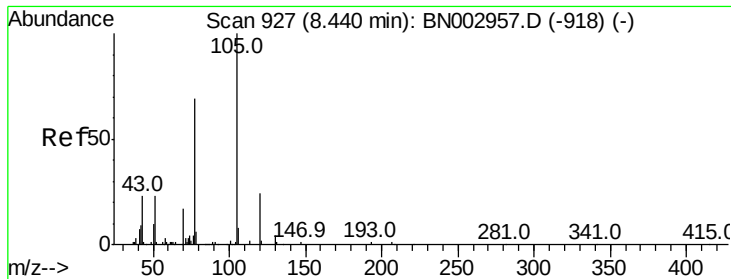


Abundance Ion 94.00 (93.70 to 94.70): BN002957.D (-649) (-)

Ion 65.00 (64.70 to 65.70): BN002957.D (-649) (-)

Ion 66.00 (65.70 to 66.70): BN002957.D (-649) (-)





#14

Acetophenone

Concen: 1.480 ng/ul

RT: 8.45 min Scan# 928

Delta R.T. 0.01 min

Lab File: BN002961.D

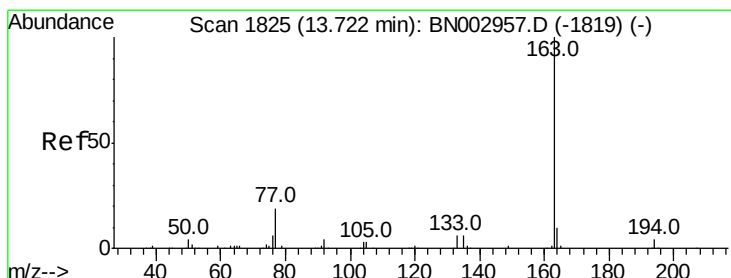
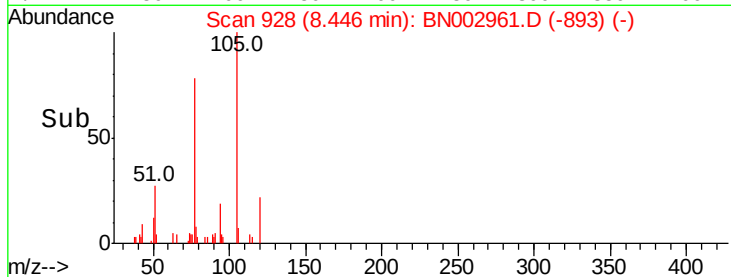
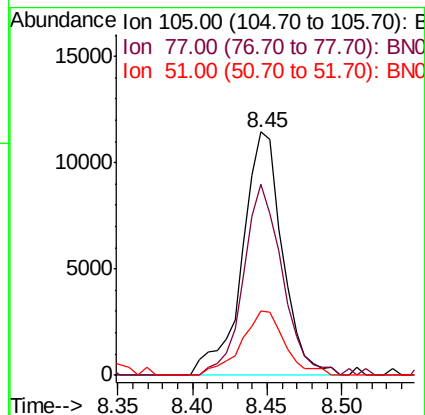
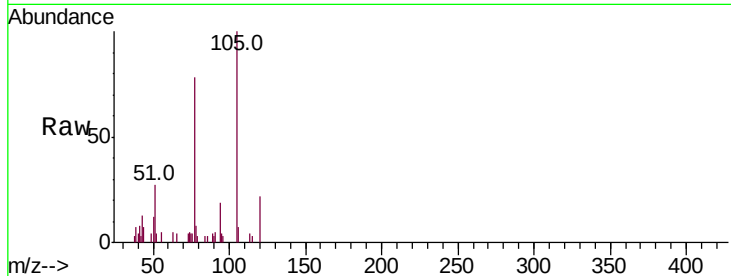
Acq: 05 Oct 2018 11:37

Instrument :

BNA_N

ClientSampleId :

Tot Ion:	105	Resp:	21370
Ion	Ratio	Lower	Upper
105	100		
77	78.4	62.9	94.3
51	26.6	21.9	32.9



#44

Dimethylphthalate

Concen: 21.286 ng/ul

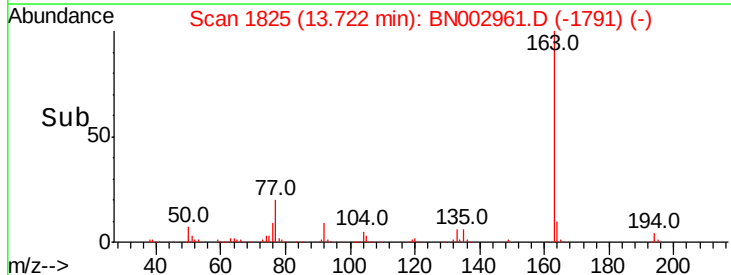
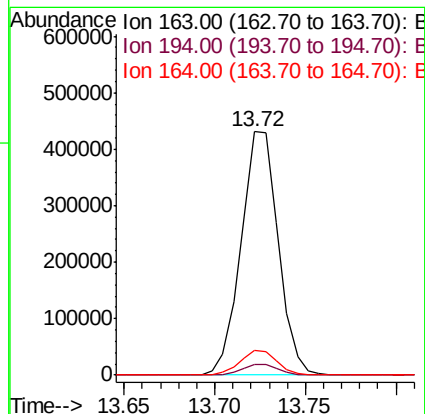
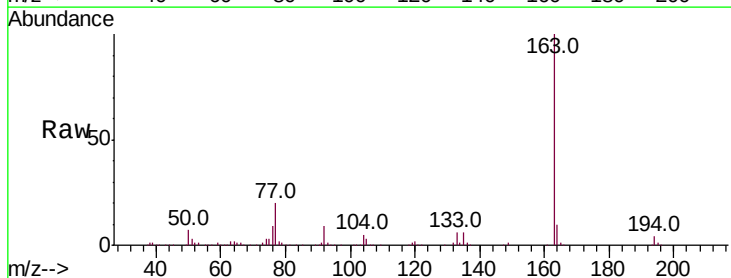
RT: 13.72 min Scan# 1825

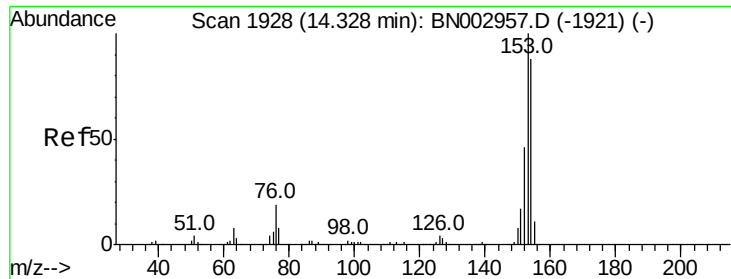
Delta R.T. 0.00 min

Lab File: BN002961.D

Acq: 05 Oct 2018 11:37

Tgt Ion:	163	Resp:	611911
Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	10.3	8.1	12.1





#49

Acenaphthene

Concen: 1.107 ng/ul

RT: 14.33 min Scan# 1928

Delta R.T. 0.00 min

Lab File: BN002961.D

Acq: 05 Oct 2018 11:37

Instrument :

BNA_N

ClientSampled :

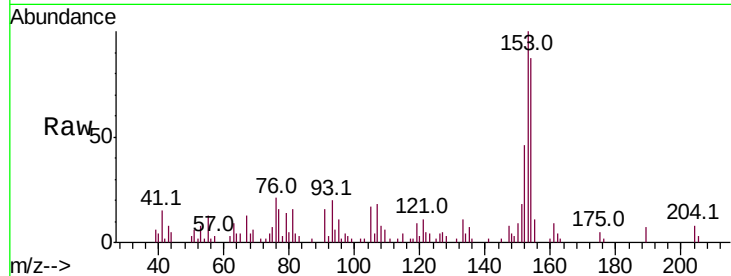
Tot Ion:153 Resp: 28328

Ion Ratio Lower Upper

153 100

152 46.3 37.8 56.6

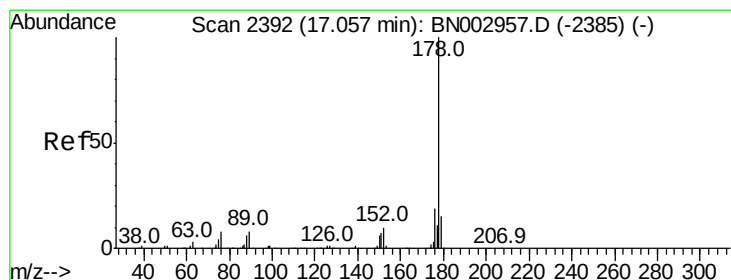
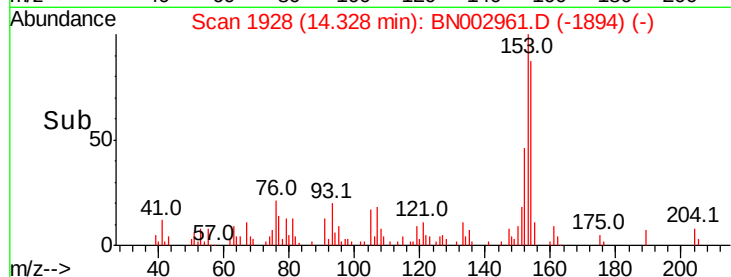
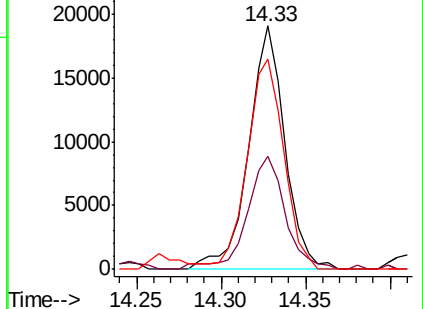
154 86.5 70.9 106.3



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



#69

Phenanthrene

Concen: 9.827 ng/ul

RT: 17.06 min Scan# 2392

Delta R.T. 0.00 min

Lab File: BN002961.D

Acq: 05 Oct 2018 11:37

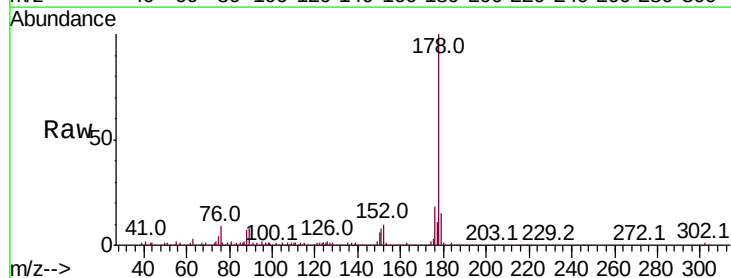
Tgt Ion:178 Resp: 426057

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.4

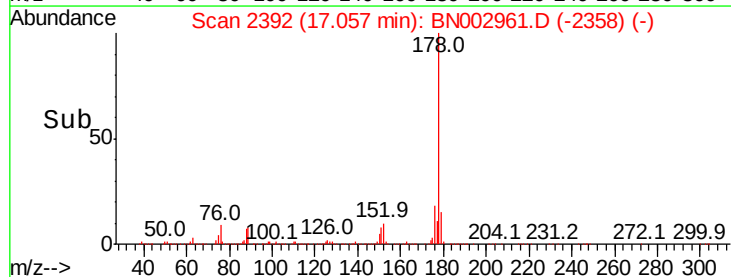
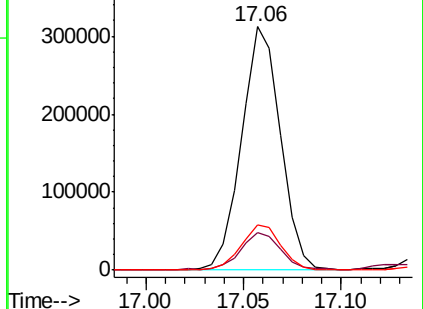
176 18.4 15.0 22.6

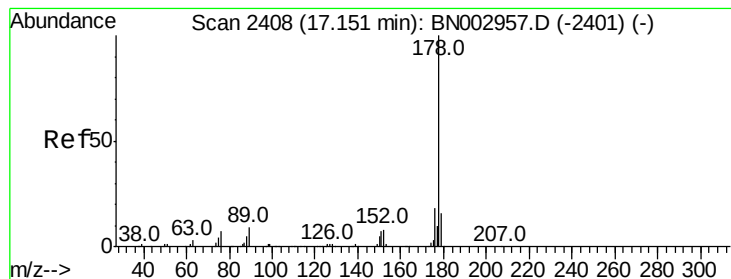


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 2.073 ng/ul

RT: 17.15 min Scan# 2408

Delta R.T. 0.00 min

Lab File: BN002961.D

Acq: 05 Oct 2018 11:37

Instrument :

BNA_N

ClientSampleId :

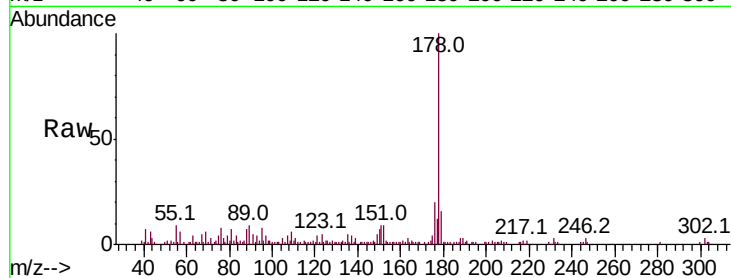
Tot Ion:178 Resp: 91139

Ion Ratio Lower Upper

178 100

179 16.4 12.0 18.0

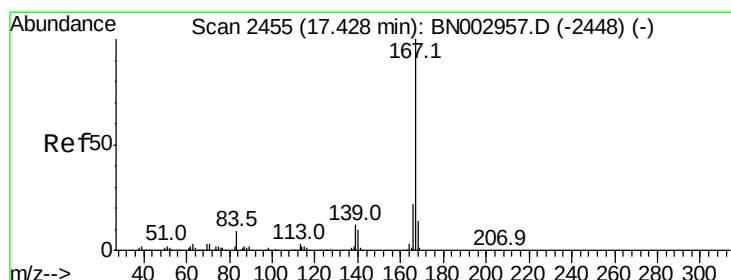
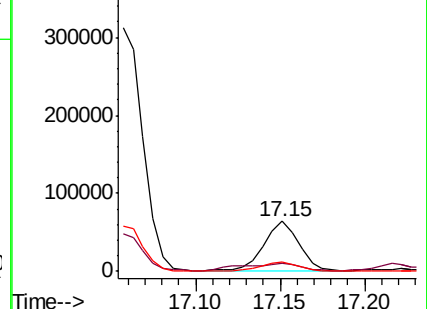
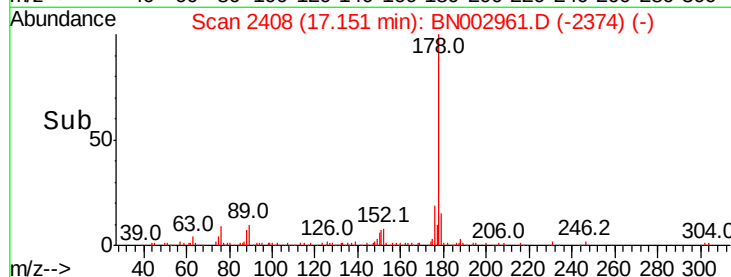
176 19.5 15.0 22.4



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: 2.816 ng/ul

RT: 17.43 min Scan# 2455

Delta R.T. 0.00 min

Lab File: BN002961.D

Acq: 05 Oct 2018 11:37

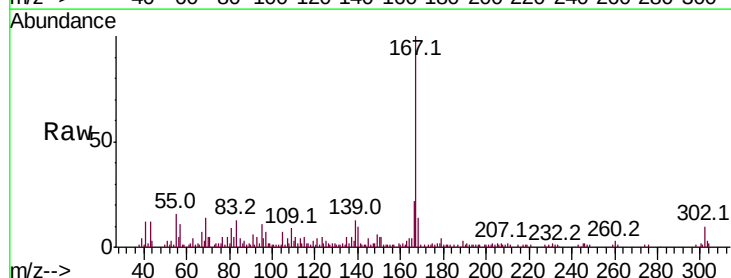
Tgt Ion:167 Resp: 106243

Ion Ratio Lower Upper

167 100

166 22.2 17.0 25.6

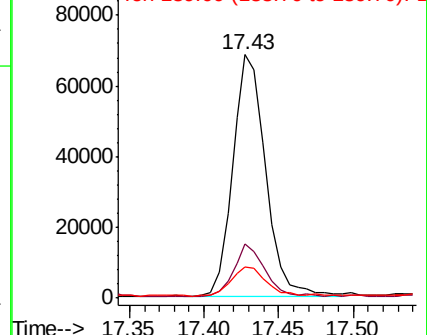
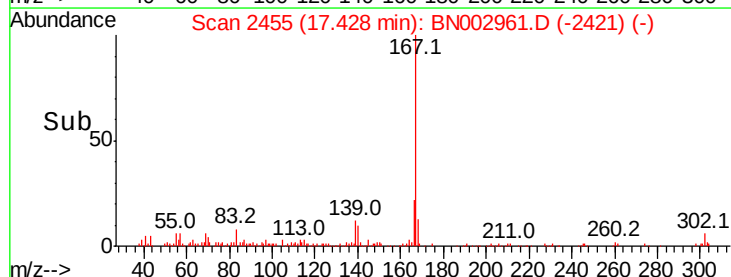
139 13.0 10.7 16.1

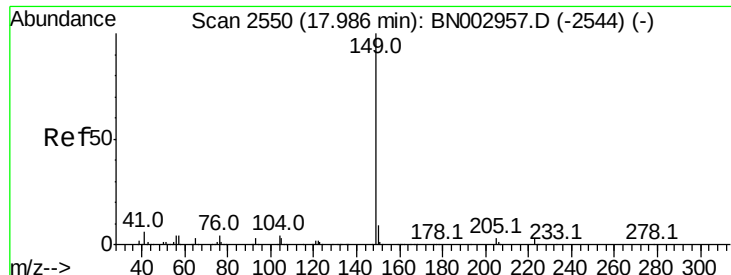


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Di-n-butylphthalate

Concen: 4.737 ng/ul

RT: 17.99 min Scan# 2551

Delta R.T. 0.01 min

Lab File: BN002961.D

Acq: 05 Oct 2018 11:37

Instrument :

BNA_N

ClientSampleId :

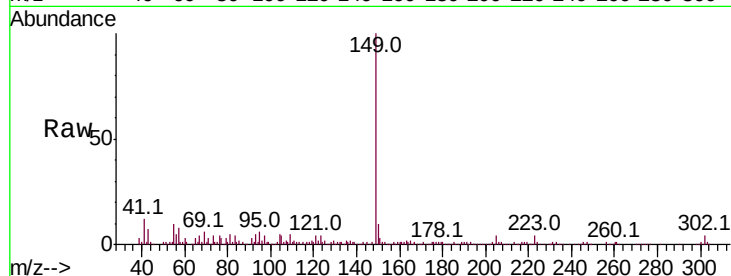
Tot Ion:149 Resp: 214429

Ion Ratio Lower Upper

149 100

150 10.3 7.3 10.9

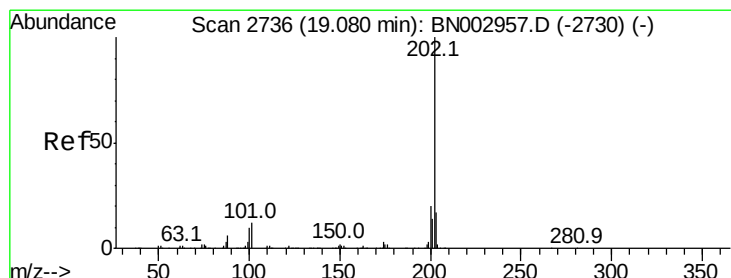
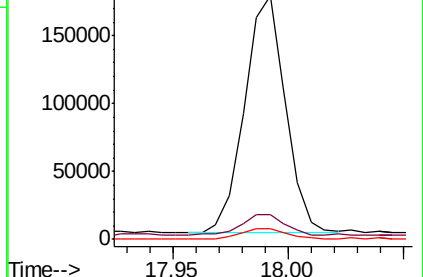
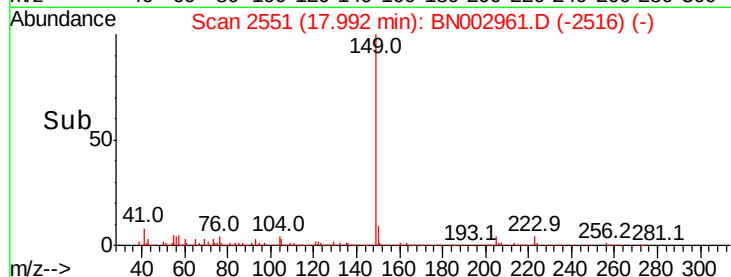
104 4.5 3.7 5.5



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: 32.336 ng/ul

RT: 19.09 min Scan# 2738

Delta R.T. 0.01 min

Lab File: BN002961.D

Acq: 05 Oct 2018 11:37

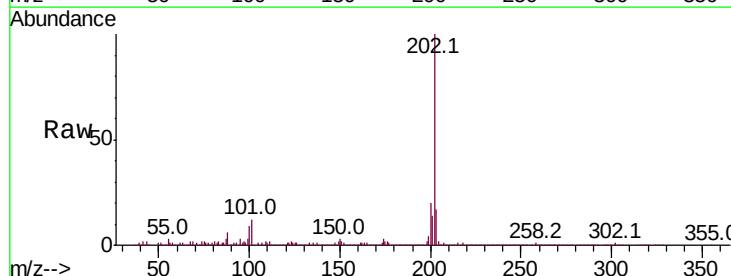
Tgt Ion:202 Resp: 1495512

Ion Ratio Lower Upper

202 100

101 11.6 9.4 14.2

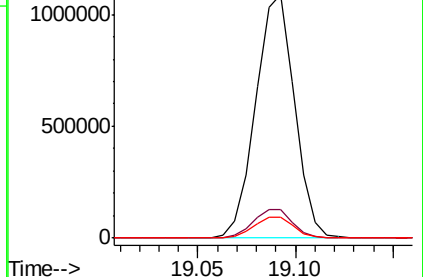
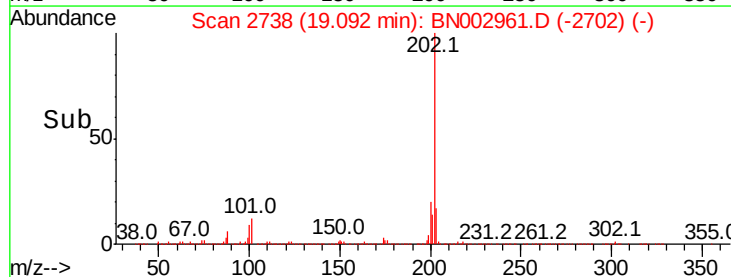
100 8.8 7.0 10.6

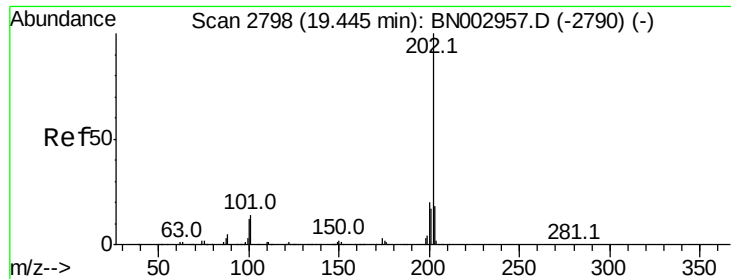


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

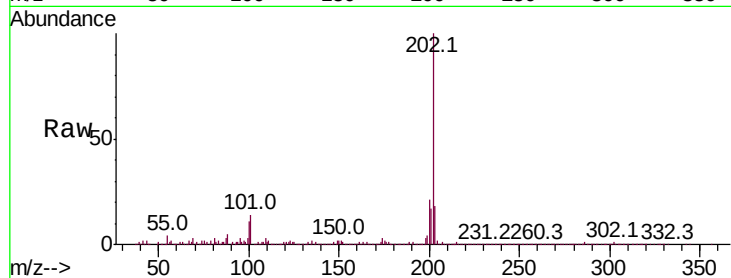




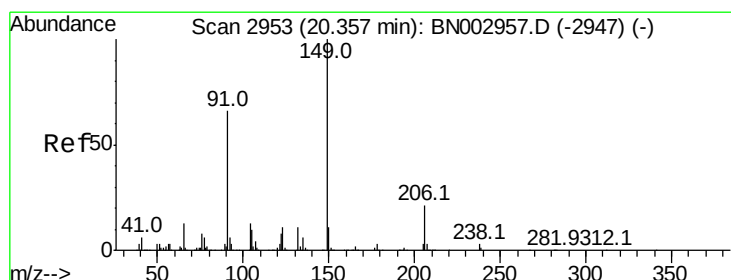
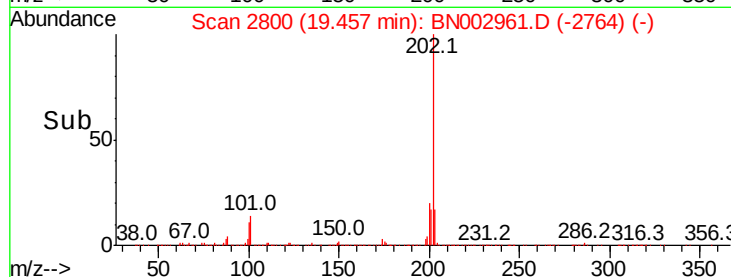
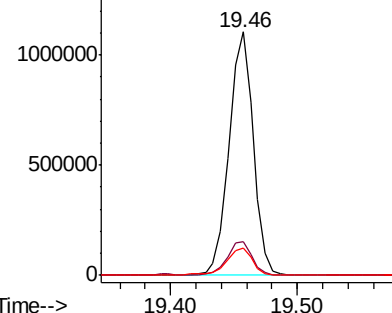
#79
Pvrene
Concen: 39.086 ng/ul
RT: 19.46 min Scan# 2800
Delta R.T. 0.01 min
Lab File: BN002961.D
Acq: 05 Oct 2018 11:37

Instrument :
BNA_N
ClientSampled :

Tot Ion:202 Resp: 1453784
Ion Ratio Lower Upper
202 100
101 13.8 10.8 16.2
100 11.4 8.2 12.2

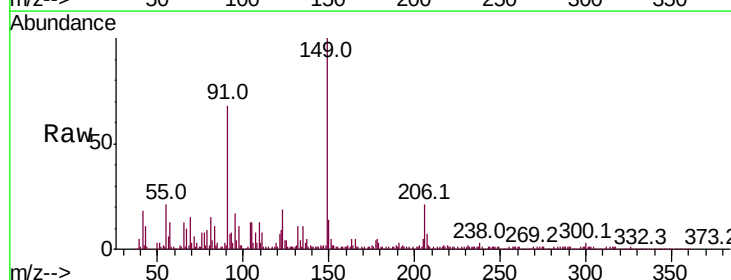


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

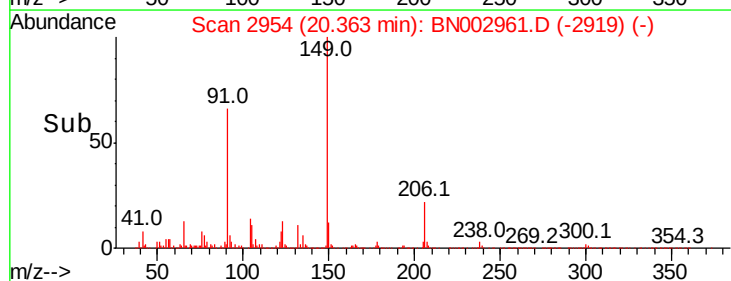
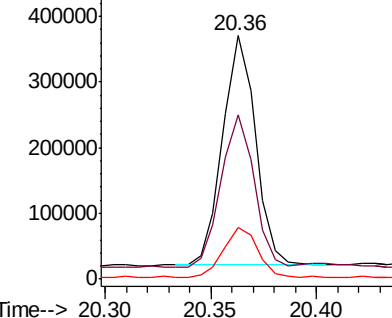


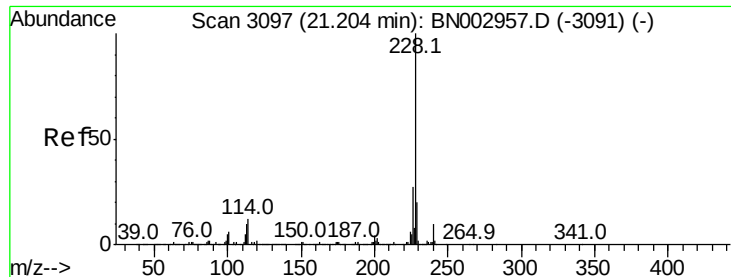
#80
Butylbenzylphthalate
Concen: 24.384 ng/ul
RT: 20.36 min Scan# 2954
Delta R.T. 0.01 min
Lab File: BN002961.D
Acq: 05 Oct 2018 11:37

Tgt Ion:149 Resp: 377401
Ion Ratio Lower Upper
149 100
91 67.6 56.3 84.5
206 21.4 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: 29.006 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. 0.01 min

Lab File: BN002961.D

Acq: 05 Oct 2018 11:37

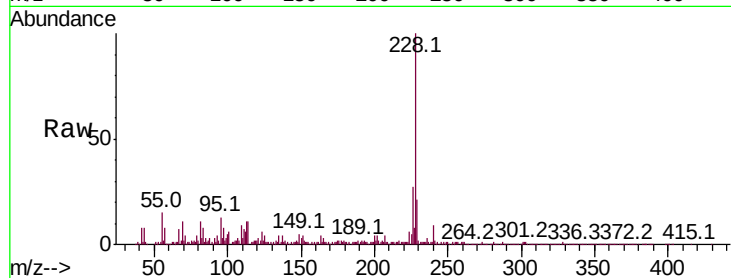
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 1015078

Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.8	23.6
226	26.8	20.9	31.3

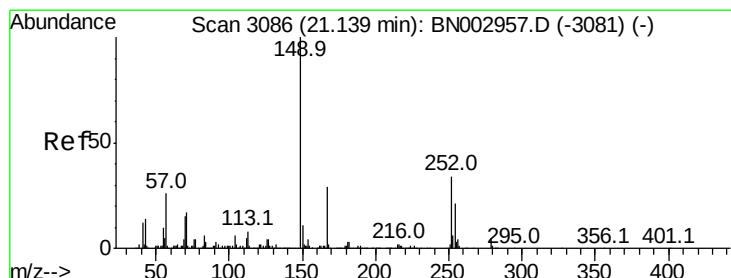
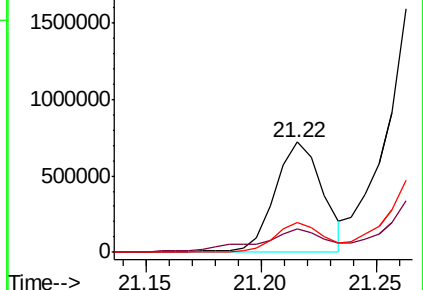
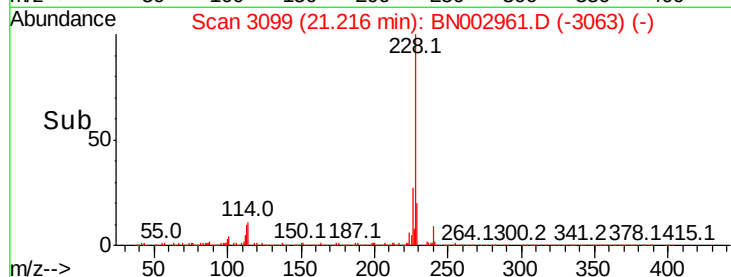


Abundance

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: 69.319 ng/ul

RT: 21.15 min Scan# 3088

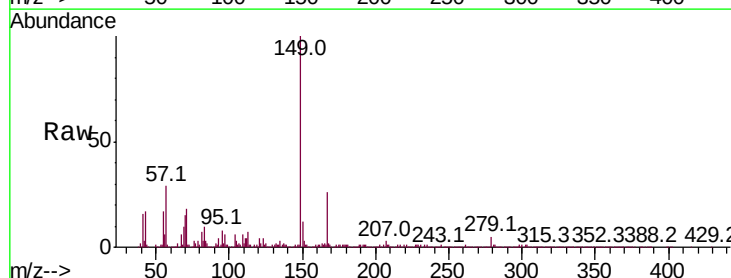
Delta R.T. 0.01 min

Lab File: BN002961.D

Acq: 05 Oct 2018 11:37

Tgt Ion:149 Resp: 1557549

Ion	Ratio	Lower	Upper
149	100		
167	26.3	22.0	33.0
279	4.6	3.3	4.9

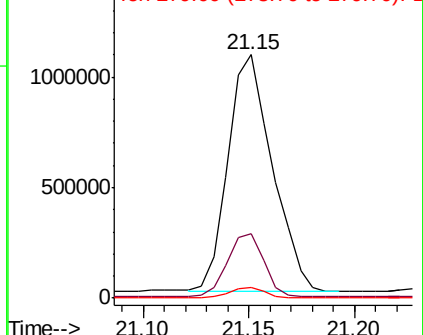
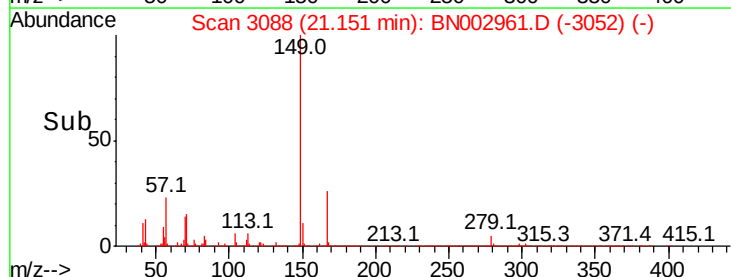


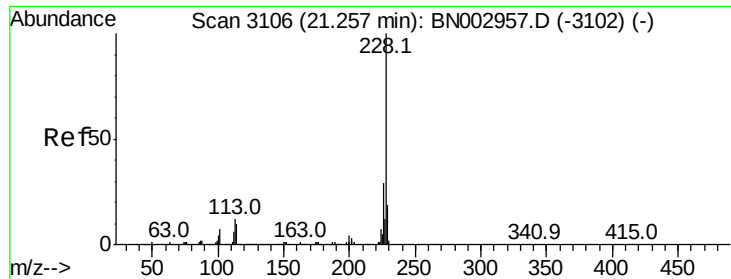
Abundance

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: 167.894 ng/ul

RT: 21.27 min Scan# 3109

Delta R.T. 0.02 min

Lab File: BN002961.D

Acq: 05 Oct 2018 11:37

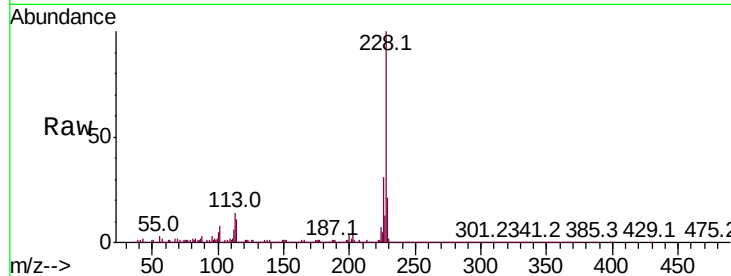
Instrument :

BNA_N

ClientSampled :

Tot Ion:228 Resp: 5507118

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.4	35.0
229	21.3	15.7	23.5

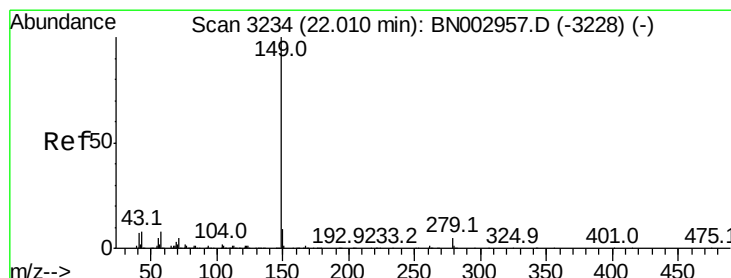
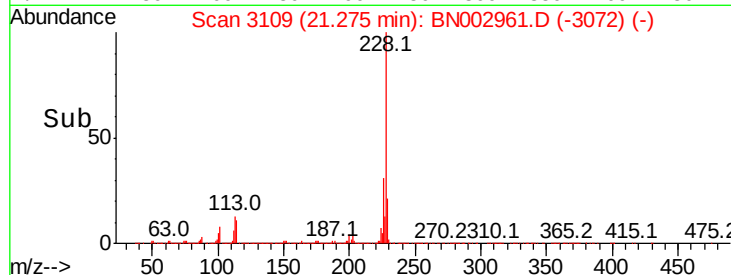
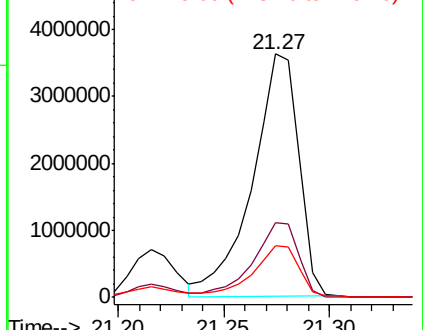


Abundance

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: 21.680 ng/ul

RT: 22.03 min Scan# 3237

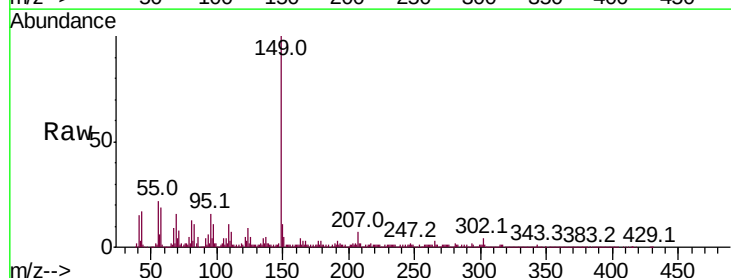
Delta R.T. 0.02 min

Lab File: BN002961.D

Acq: 05 Oct 2018 11:37

Tgt Ion:149 Resp: 787428

Ion	Ratio	Lower	Upper
149	100		
167	2.8	1.4	2.0#
43	17.4	7.4	11.0#

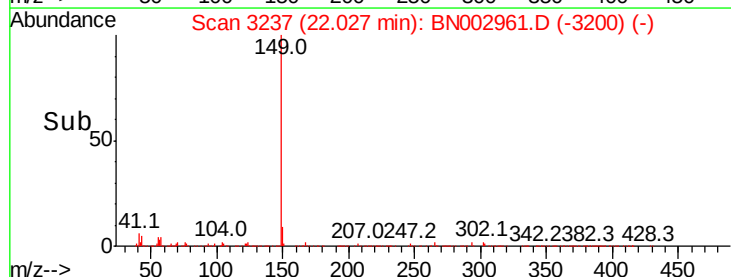
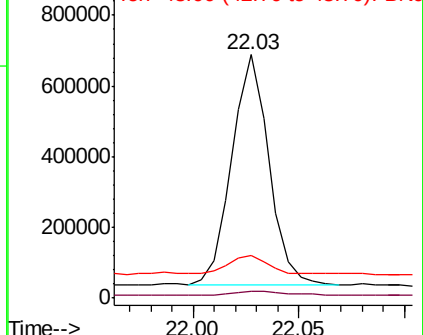


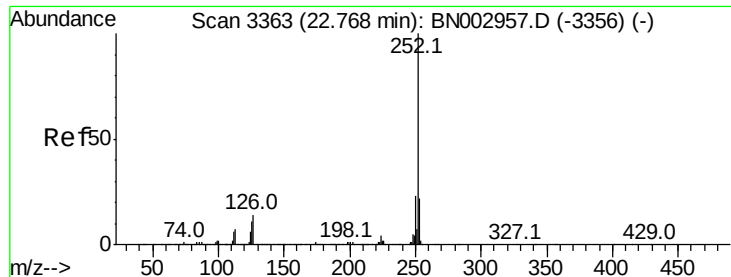
Abundance

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: 103.959 ng/ul

RT: 22.80 min Scan# 3368

Delta R.T. 0.03 min

Lab File: BN002961.D

Acq: 05 Oct 2018 11:37

Instrument :

BNA_N

ClientSampleId :

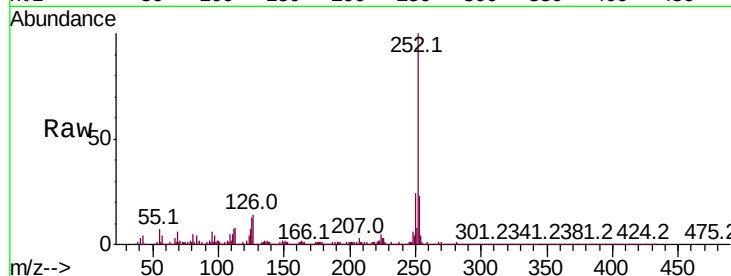
Tot Ion:252 Resp: 3488691

Ion Ratio Lower Upper

252 100

253 23.2 17.0 25.4

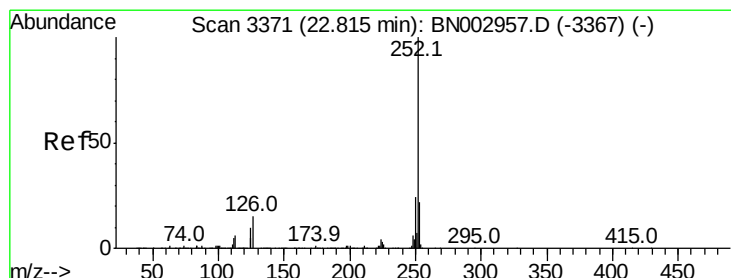
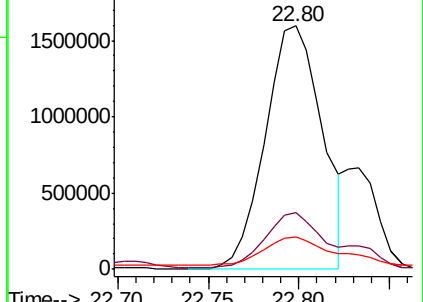
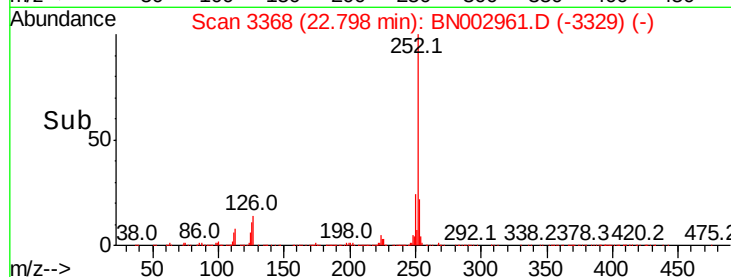
125 13.1 8.0 12.0#



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: 111.432 ng/ul

RT: 22.80 min Scan# 3368

Delta R.T. -0.02 min

Lab File: BN002961.D

Acq: 05 Oct 2018 11:37

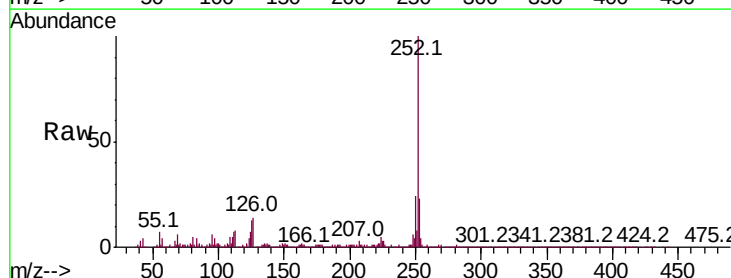
Tgt Ion:252 Resp: 3488691

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

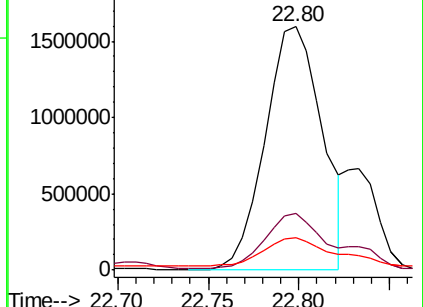
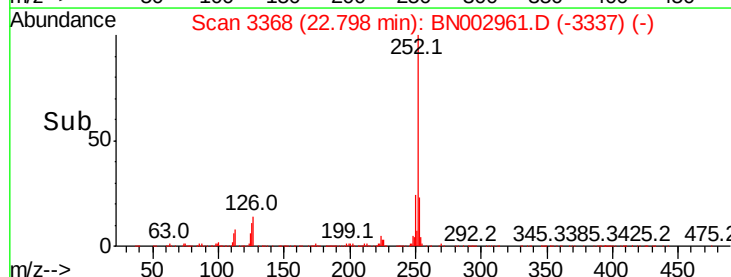
125 13.1 8.3 12.5#

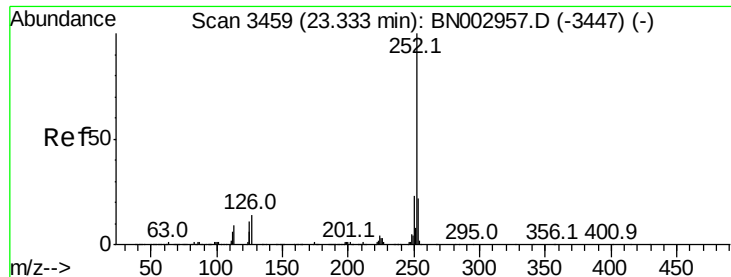


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 17.005 ng/ul

RT: 23.36 min Scan# 3463

Delta R.T. 0.02 min

Lab File: BN002961.D

Acq: 05 Oct 2018 11:37

Instrument :

BNA_N

ClientSampleId :

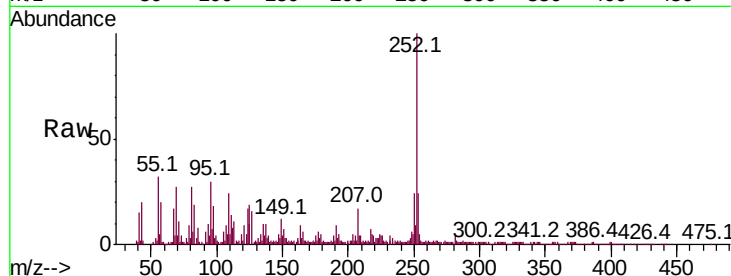
Tot Ion:252 Resp: 539498

Ion Ratio Lower Upper

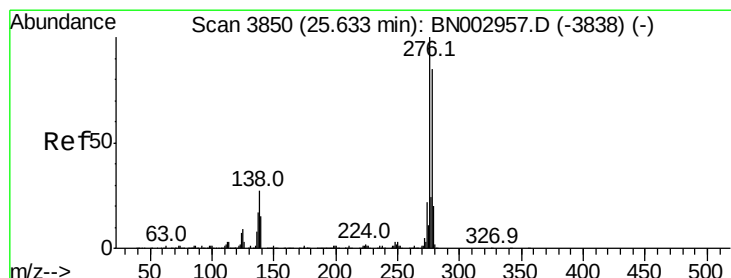
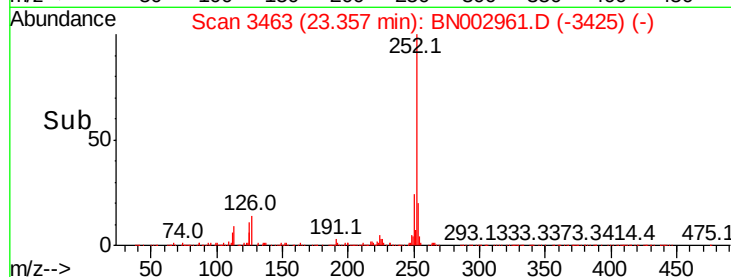
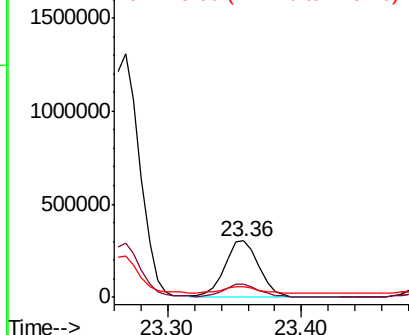
252 100

253 23.9 17.6 26.4

125 18.6 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: 25.280 ng/ul

RT: 25.67 min Scan# 3856

Delta R.T. 0.04 min

Lab File: BN002961.D

Acq: 05 Oct 2018 11:37

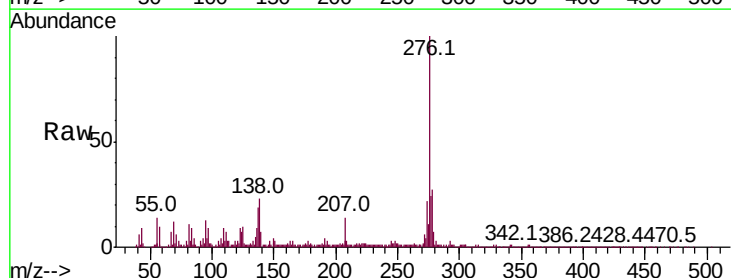
Tgt Ion:276 Resp: 949515

Ion Ratio Lower Upper

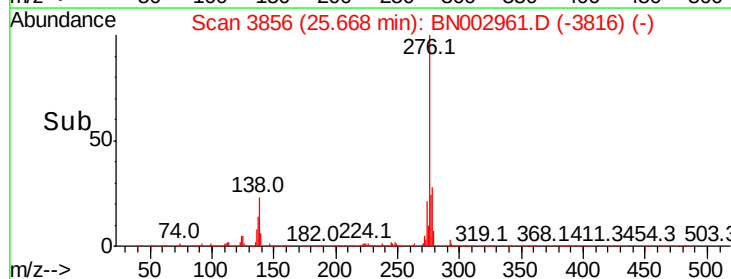
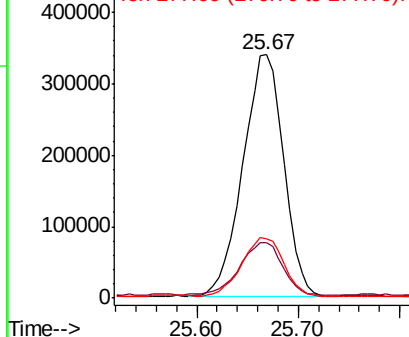
276 100

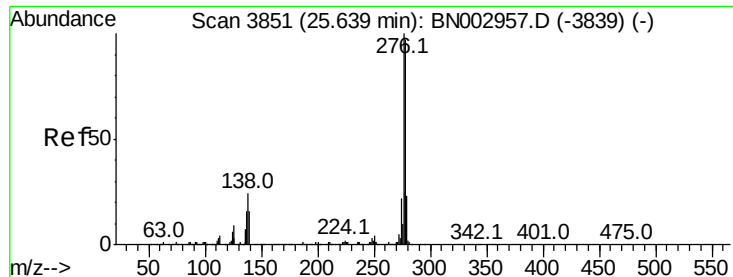
138 22.8 20.2 30.4

277 24.3 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: 9.596 ng/ul

RT: 25.66 min Scan# 3855

Delta R.T. 0.02 min

Lab File: BN002961.D

Acq: 05 Oct 2018 11:37

Instrument :

BNA_N

ClientSampleId :

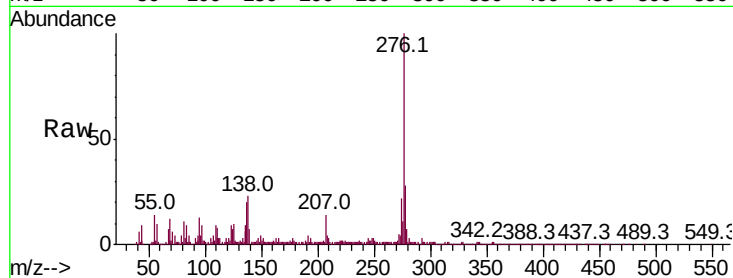
Tot Ion:278 Resp: 303694

Ion Ratio Lower Upper

278 100

139 26.1 12.7 19.1#

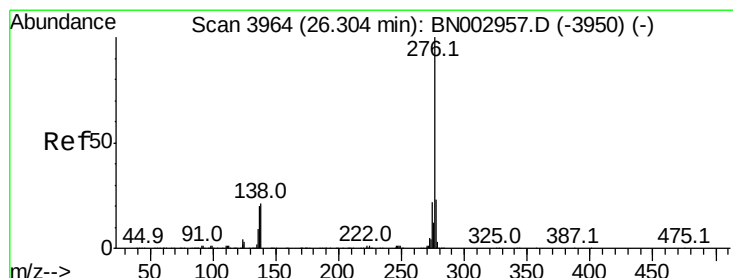
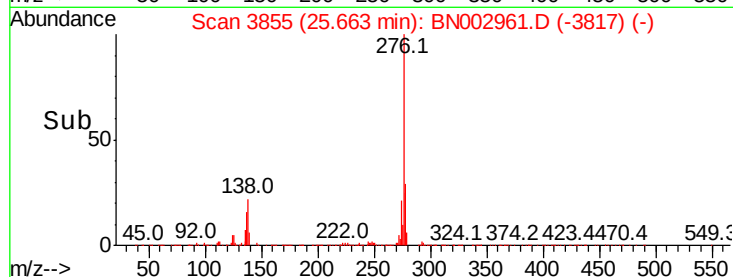
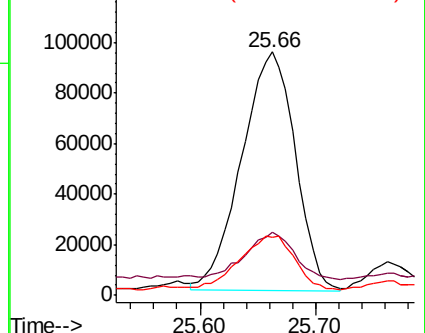
279 23.8 18.7 28.1



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: 35.631 ng/ul

RT: 26.34 min Scan# 3971

Delta R.T. 0.04 min

Lab File: BN002961.D

Acq: 05 Oct 2018 11:37

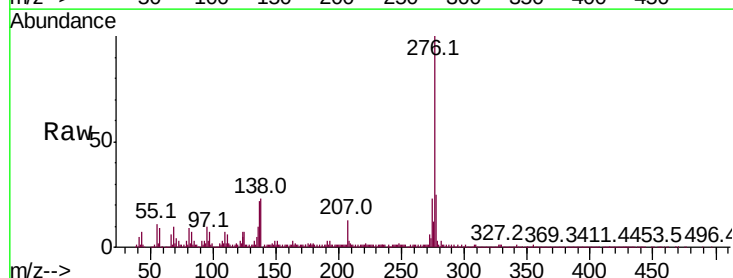
Tgt Ion:276 Resp: 1118731

Ion Ratio Lower Upper

276 100

138 23.1 18.2 27.2

277 24.8 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

