

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091218\
 Data File : BN002659.D
 Acq On : 12 Sep 2018 17:42
 Operator : JU/SJ
 Sample : J4792-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 13 06:00:04 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	171245	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	793034	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.29	164	485286	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.05	188	1096288	20.00	ng/ul	0.00
77) Chrysene-d12	21.25	240	1066067	20.00	ng/ul	0.00
85) Perylene-d12	23.46	264	929969	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	9077	2.50	ng/uL	0.00
5) Phenol-d5	6.85	99	207729	13.23	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	135939	13.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	173224	14.48	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	121748	9.70	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	87853	13.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	101785	15.33	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	167839	13.76	ng/ul	0.00
29) 4-Chloroaniline-d4	10.58	131	208077	15.78	ng/ul	0.00
43) Dimethylphthalate-d6	13.70	166	616893	15.33	ng/ul	0.00
46) Acenaphthylene-d8	13.98	160	737770	14.95	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	60825	8.00	ng/ul	0.00
57) Fluorene-d10	15.29	176	541678	15.53	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	75544	10.82	ng/ul	0.00
70) Anthracene-d10	17.14	188	793908	15.16	ng/ul	0.00
78) Pyrene-d10	19.44	212	924049	18.11	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.32	264	807541	16.61	ng/ul	0.00

Target Compounds

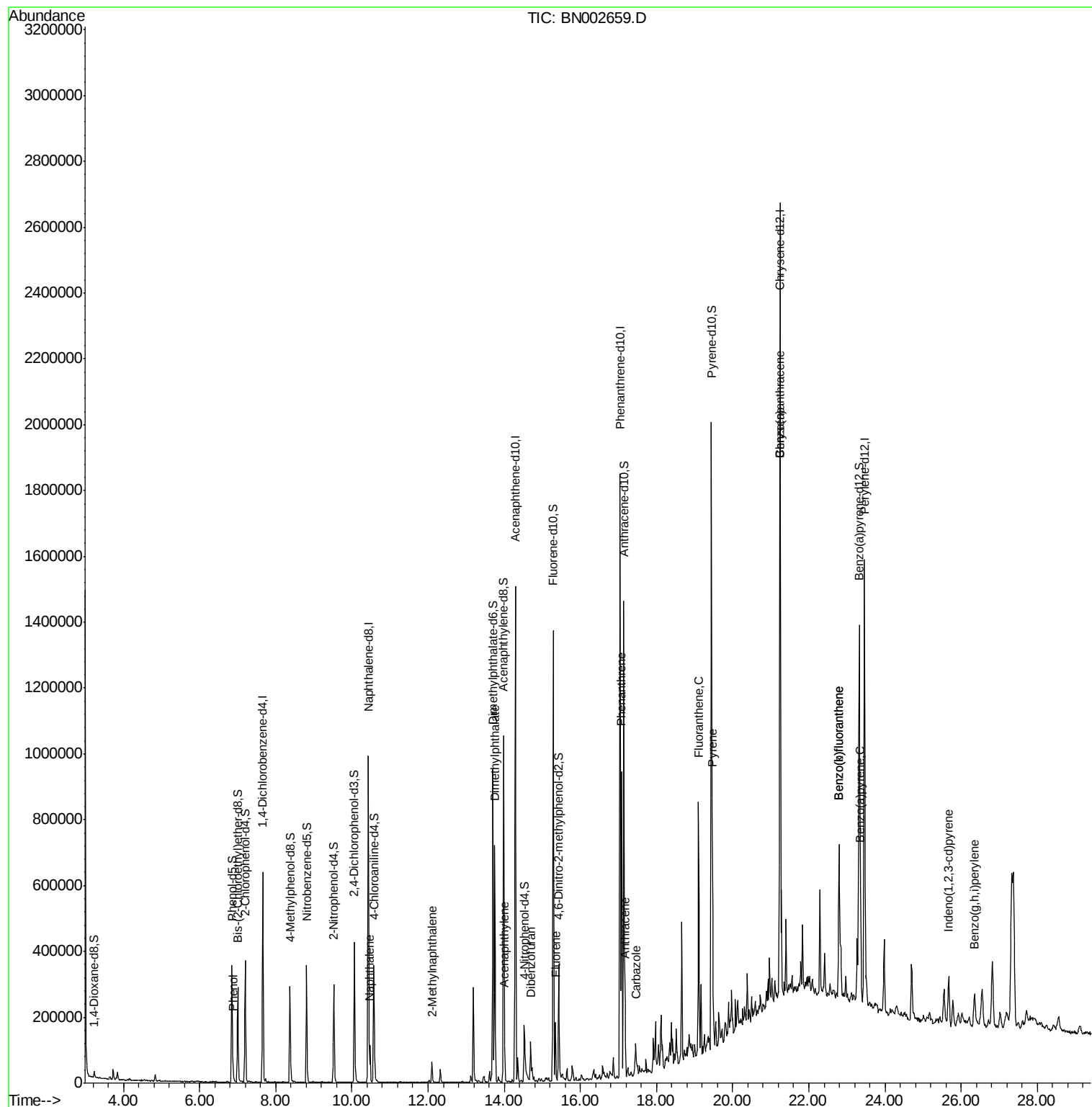
					Ovalue	
6) Phenol	6.88	94	16599	1.038	ng/ul	93
28) Naphthalene	10.48	128	92413	2.265	ng/ul	99
34) 2-Methylnaphthalene	12.10	142	32569	1.081	ng/ul	91
44) Dimethylphthalate	13.75	163	450856	11.427	ng/ul	99
47) Acenaphthylene	14.01	152	54175	1.153	ng/ul	96
53) Dibenzofuran	14.69	168	71080	1.520	ng/ul	96
58) Fluorene	15.35	166	74085	1.937	ng/ul	98
69) Phenanthrene	17.09	178	547955	9.067	ng/ul	98
71) Anthracene	17.17	178	130406	2.128	ng/ul	99
74) Carbazole	17.45	167	57628	1.060	ng/ul	96
76) Fluoranthene	19.11	202	462978	6.731	ng/ul	98
79) Pyrene	19.47	202	414247	6.444	ng/ul	98
82) Benzo(a)anthracene	21.23	228	207564	3.178	ng/ul	97
84) Chrysene	21.23	228	207564	3.358	ng/ul	94
87) Benzo(b)fluoranthene	22.80	252	267524	4.799	ng/ul	99
88) Benzo(k)fluoranthene	22.80	252	267524	5.094	ng/ul	98
90) Benzo(a)pyrene	23.36	252	190428	3.586	ng/ul	95
91) Indeno(1,2,3-cd)pyrene	25.67	276	133816	2.118	ng/ul#	94
93) Benzo(g,h,i)perylene	26.36	276	111336	2.112	ng/ul	93

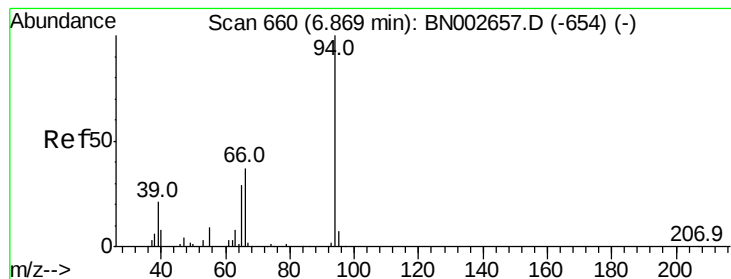
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.038 ng/ul

RT: 6.88 min Scan# 661

Delta R.T. 0.01 min

Lab File: BN002659.D

Acq: 12 Sep 2018 17:42

Instrument :

BNA_N

ClientSampled :

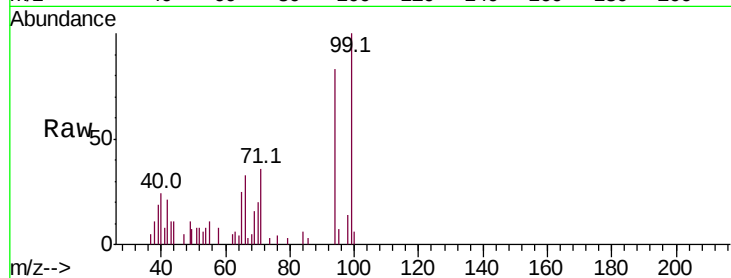
Tot Ion: 94 Resp: 16599

Ion Ratio Lower Upper

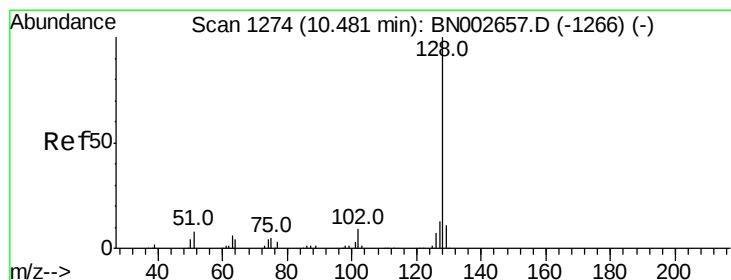
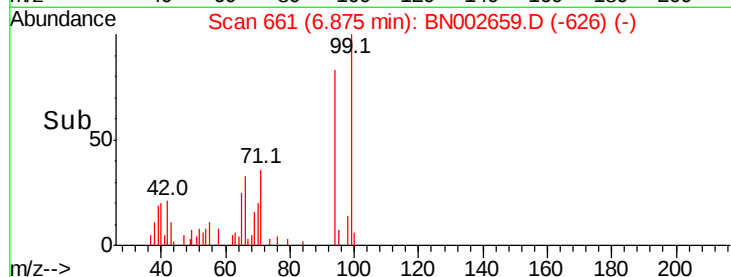
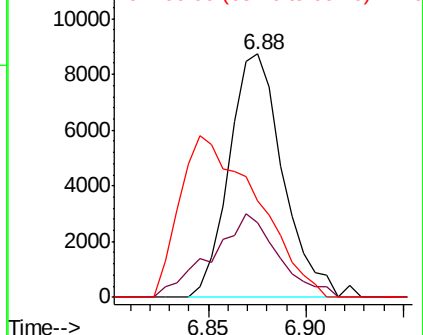
94 100

65 30.7 21.0 31.6

66 39.8 29.3 43.9



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



#28

Naphthalene

Concen: 2.265 ng/ul

RT: 10.48 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BN002659.D

Acq: 12 Sep 2018 17:42

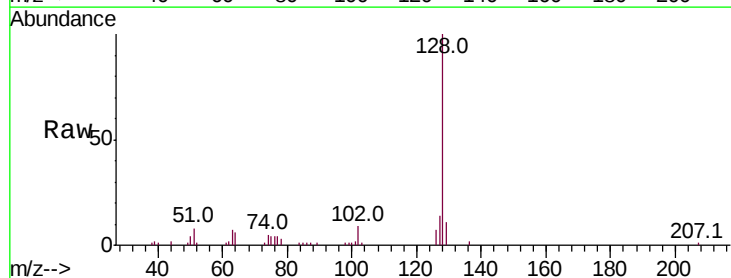
Tgt Ion: 128 Resp: 92413

Ion Ratio Lower Upper

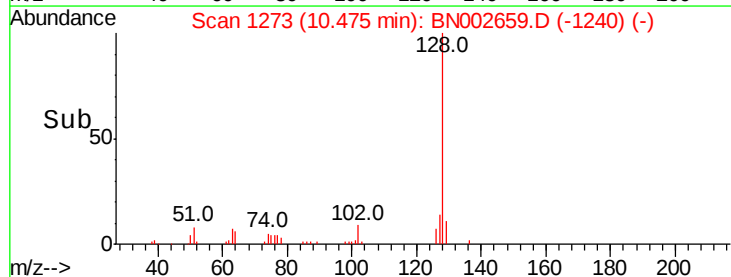
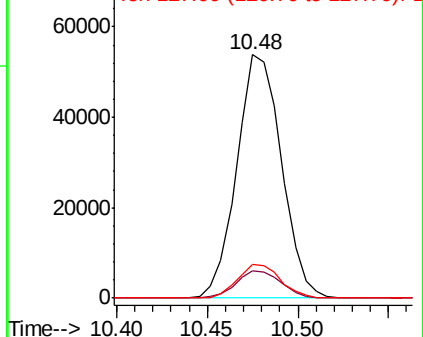
128 100

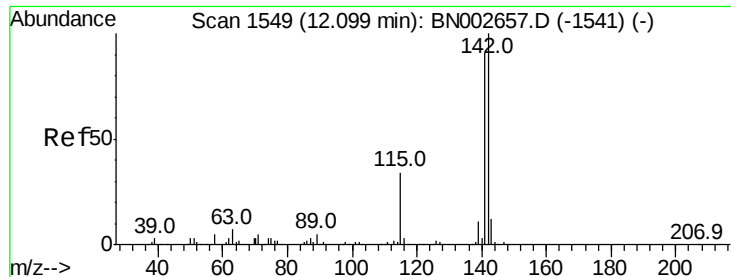
129 11.4 8.8 13.2

127 13.6 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

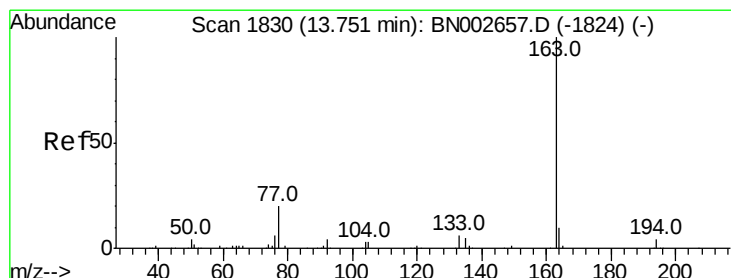
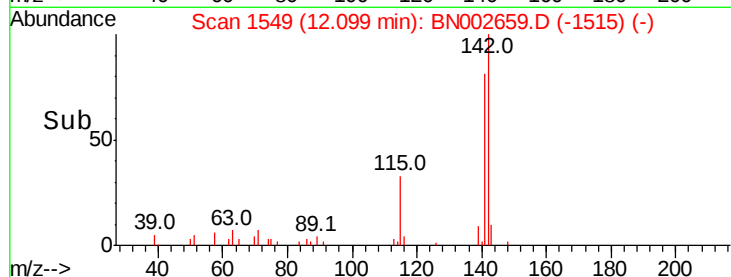
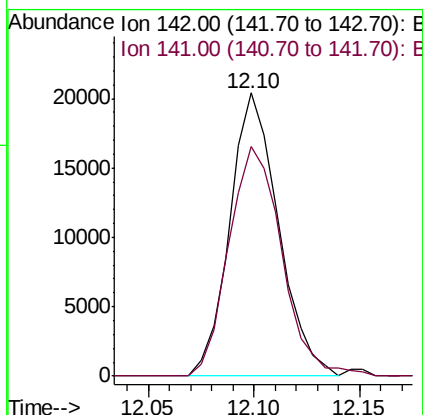
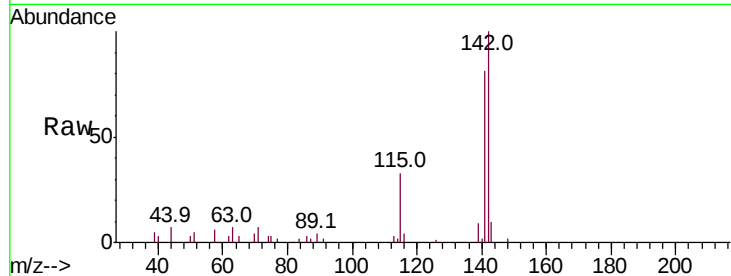




#34
2-Methylnaphthalene
Concen: 1.081 ng/ul
RT: 12.10 min Scan# 1549
Delta R.T. -0.00 min
Lab File: BN002659.D
Acq: 12 Sep 2018 17:42

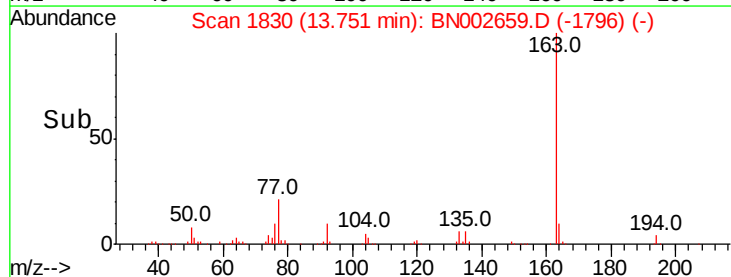
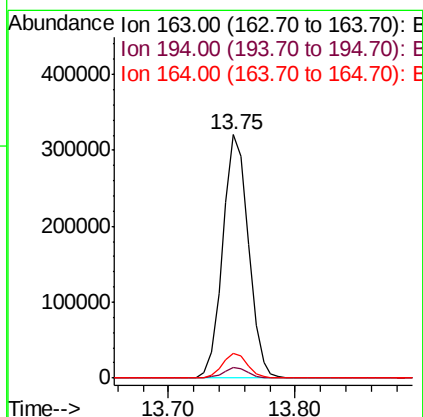
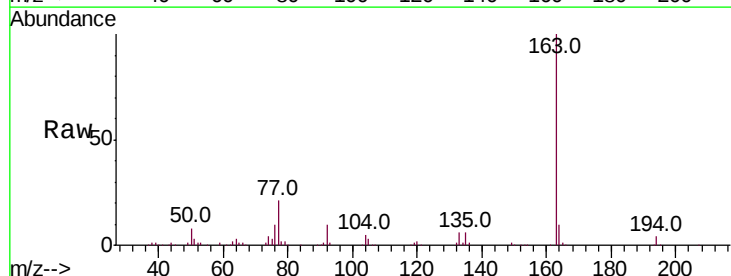
Instrument :
BNA_N
ClientSampleId :

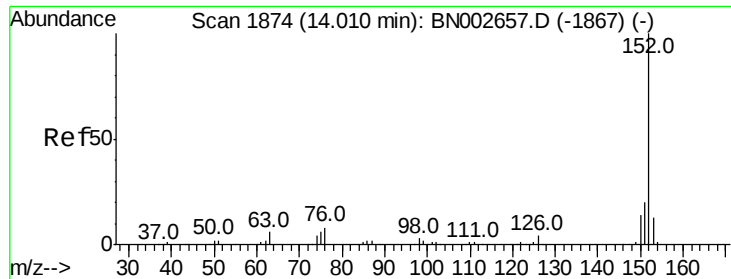
Tot Ion:142 Resp: 32569
Ion Ratio Lower Upper
142 100
141 81.2 71.6 107.4



#44
Dimethylphthalate
Concen: 11.427 ng/ul
RT: 13.75 min Scan# 1830
Delta R.T. -0.00 min
Lab File: BN002659.D
Acq: 12 Sep 2018 17:42

Tgt Ion:163 Resp: 450856
Ion Ratio Lower Upper
163 100
194 4.2 3.2 4.8
164 10.4 7.8 11.8





#47

Acenaphthylene

Concen: 1.153 ng/ul

RT: 14.01 min Scan# 1874

Delta R.T. -0.00 min

Lab File: BN002659.D

Acq: 12 Sep 2018 17:42

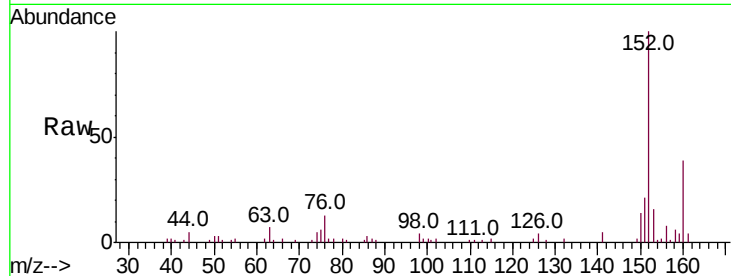
Instrument :

BNA_N

ClientSampleId :

Tot Ion:152 Resp: 54175

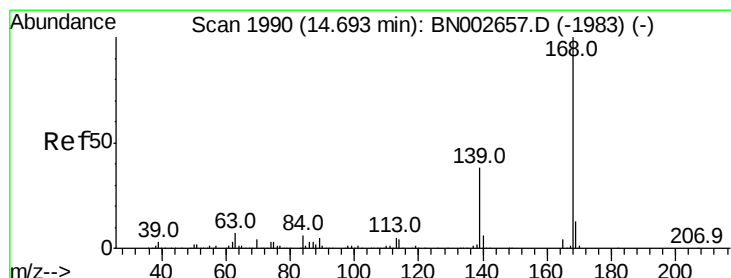
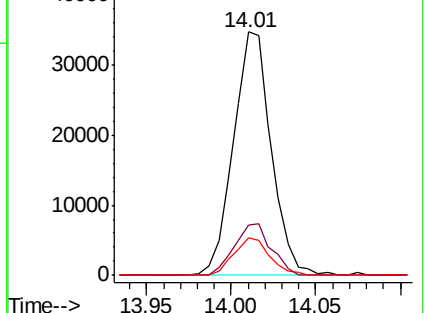
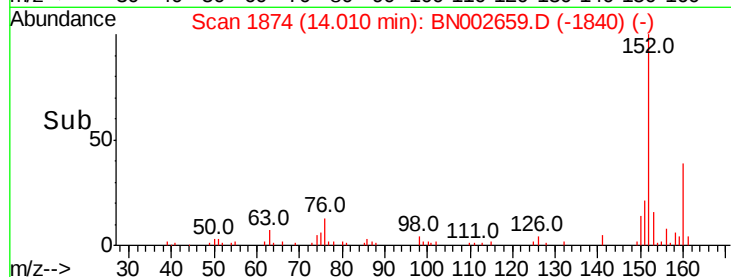
Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.7	23.5
153	15.5	10.5	15.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#53

Dibenzofuran

Concen: 1.520 ng/ul

RT: 14.69 min Scan# 1990

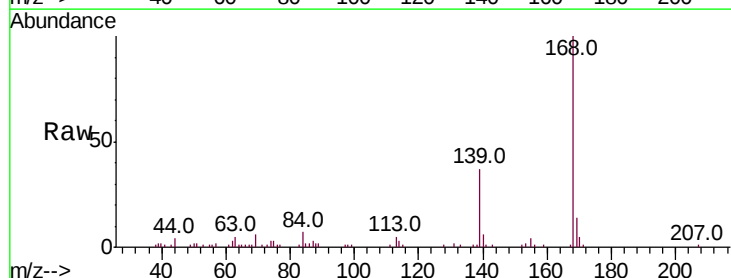
Delta R.T. -0.00 min

Lab File: BN002659.D

Acq: 12 Sep 2018 17:42

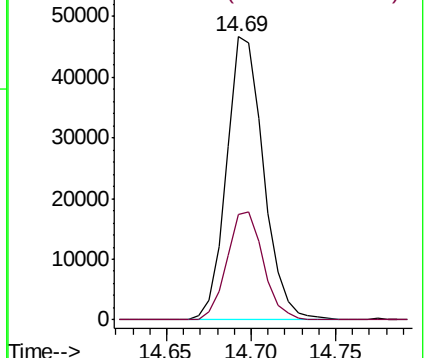
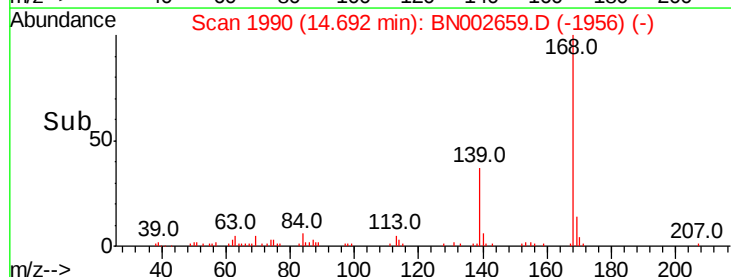
Tgt Ion:168 Resp: 71080

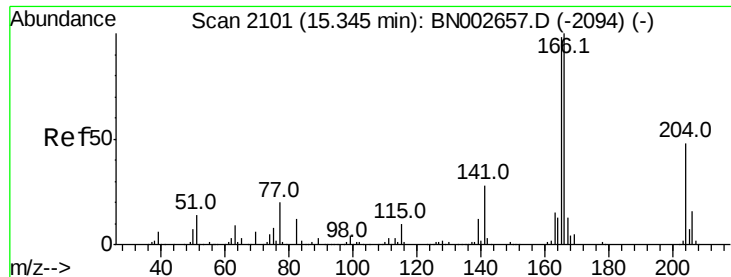
Ion	Ratio	Lower	Upper
168	100		
139	37.5	32.2	48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

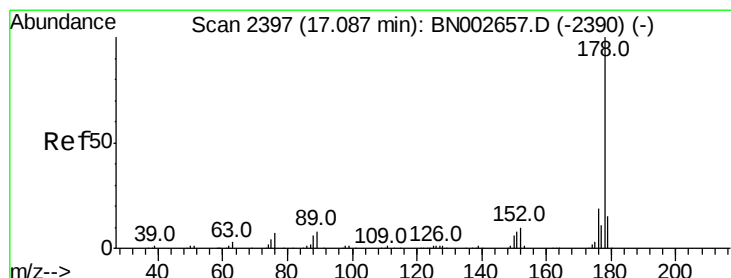
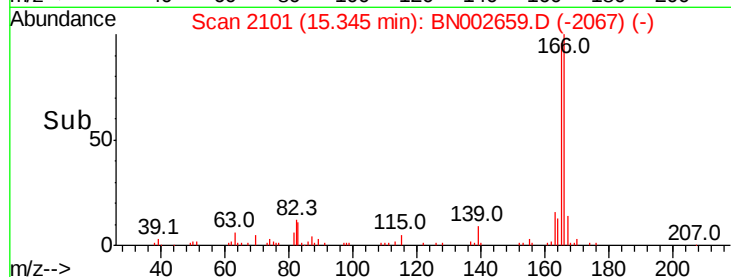
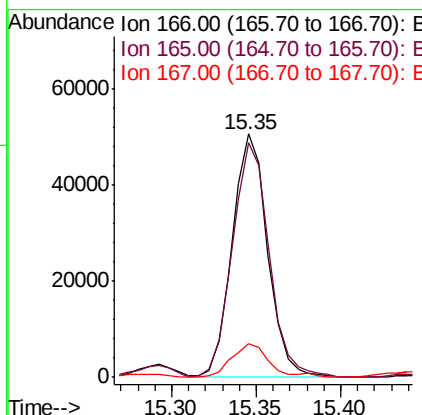
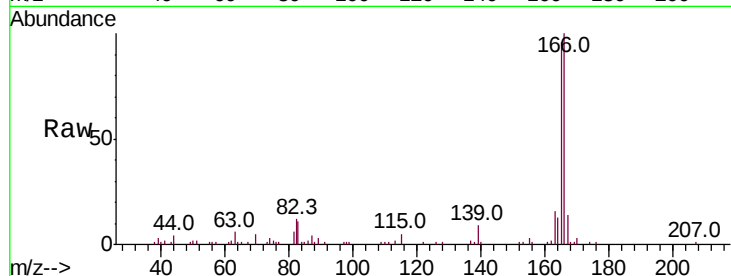




#58
Fluorene
 Concen: 1.937 ng/ul
 RT: 15.35 min Scan# 2101
 Delta R.T. -0.00 min
 Lab File: BN002659.D
 Acq: 12 Sep 2018 17:42

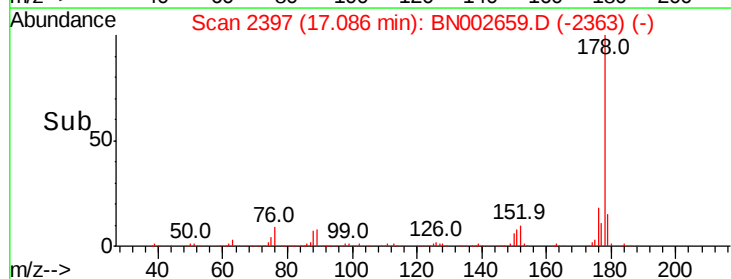
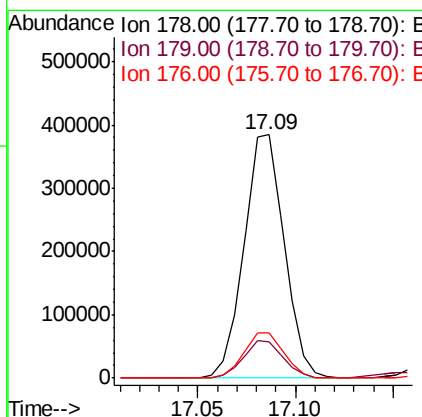
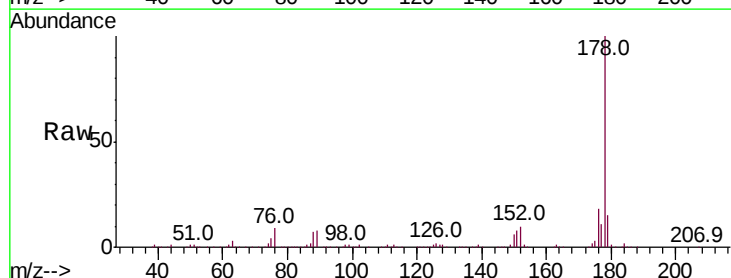
Instrument :
 BNA_N
 ClientSampleId :

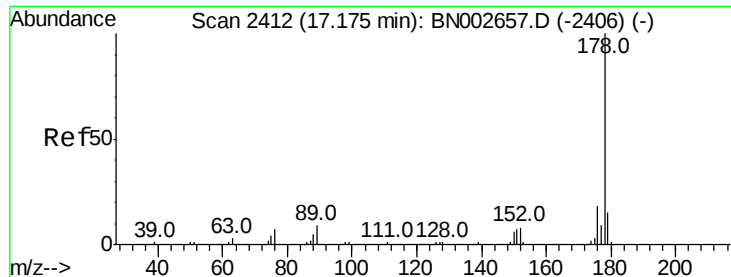
Tot Ion:166 Resp: 74085
 Ion Ratio Lower Upper
 166 100
 165 96.4 78.5 117.7
 167 13.9 10.7 16.1



#69
Phenanthrene
 Concen: 9.067 ng/ul
 RT: 17.09 min Scan# 2397
 Delta R.T. -0.00 min
 Lab File: BN002659.D
 Acq: 12 Sep 2018 17:42

Tgt Ion:178 Resp: 547955
 Ion Ratio Lower Upper
 178 100
 179 14.7 12.2 18.4
 176 18.5 15.6 23.4

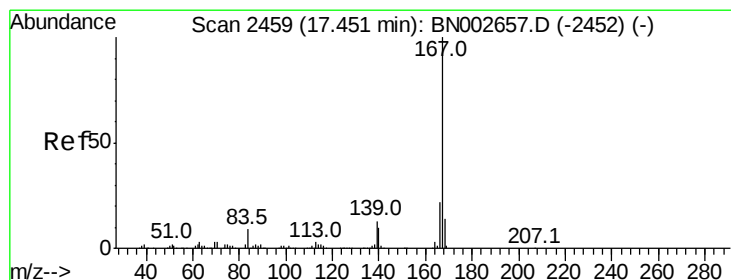
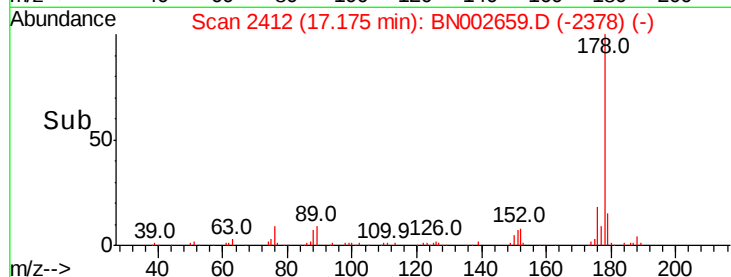
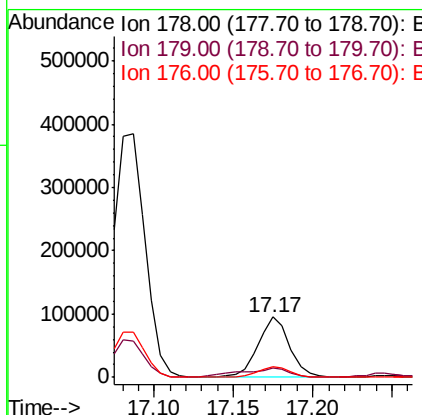
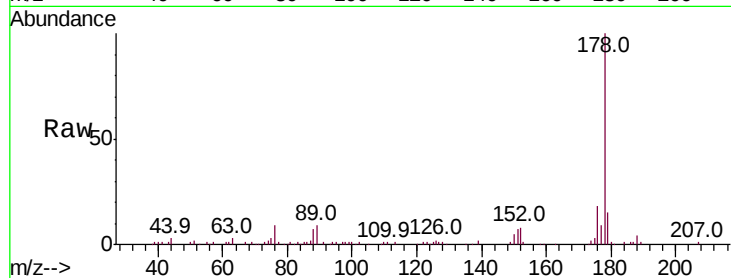




#71
 Anthracene
 Concen: 2.128 ng/ul
 RT: 17.17 min Scan# 2412
 Delta R.T. -0.00 min
 Lab File: BN002659.D
 Acq: 12 Sep 2018 17:42

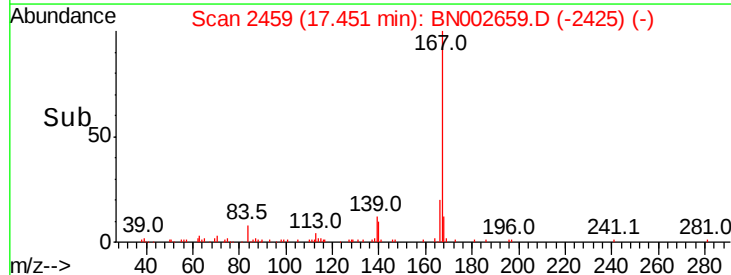
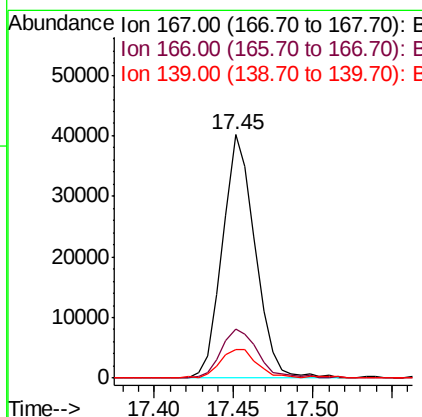
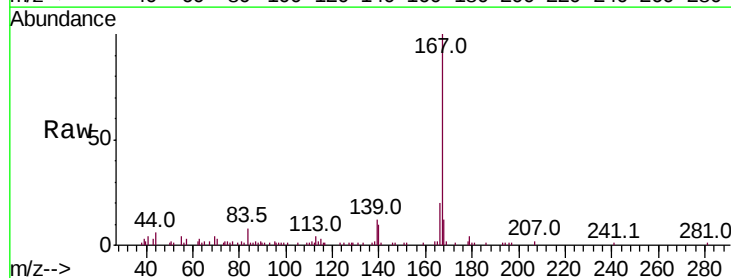
Instrument :
 BNA_N
 ClientSampleId :

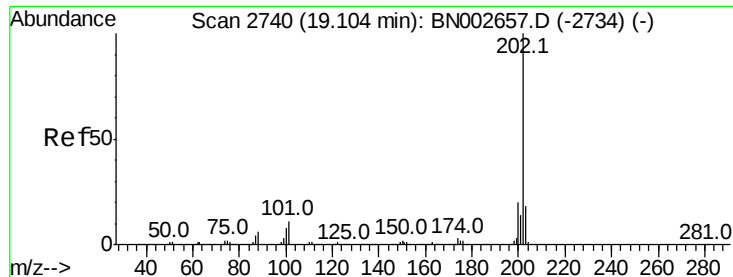
Tot Ion:178 Resp: 130406
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.1 18.1
 176 18.0 14.8 22.2



#74
 Carbazole
 Concen: 1.060 ng/ul
 RT: 17.45 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: BN002659.D
 Acq: 12 Sep 2018 17:42

Tgt Ion:167 Resp: 57628
 Ion Ratio Lower Upper
 167 100
 166 20.0 17.0 25.6
 139 11.8 11.0 16.4





#76

Fluoranthene

Concen: 6.731 ng/ul

RT: 19.11 min Scan# 2741

Delta R.T. 0.01 min

Lab File: BN002659.D

Acq: 12 Sep 2018 17:42

Instrument :

BNA_N

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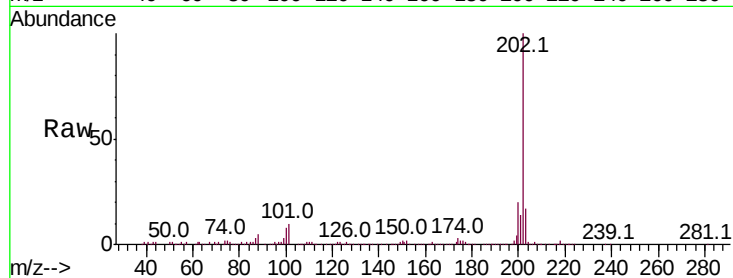
Tot Ion:202 Resp: 462978

Ion Ratio Lower Upper

202 100

101 10.2 8.8 13.2

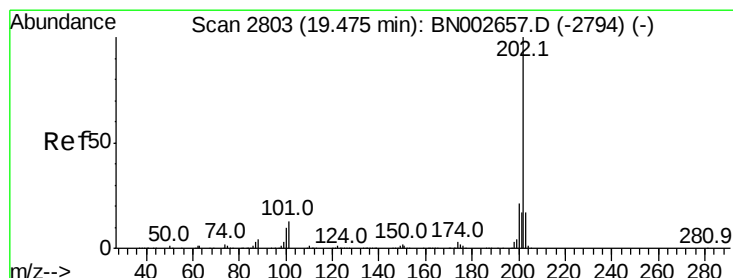
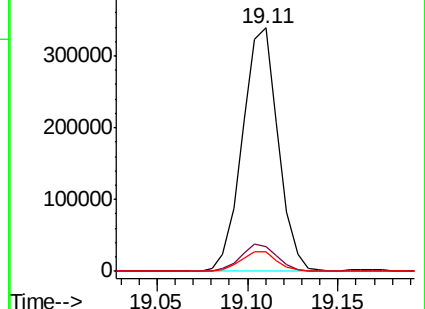
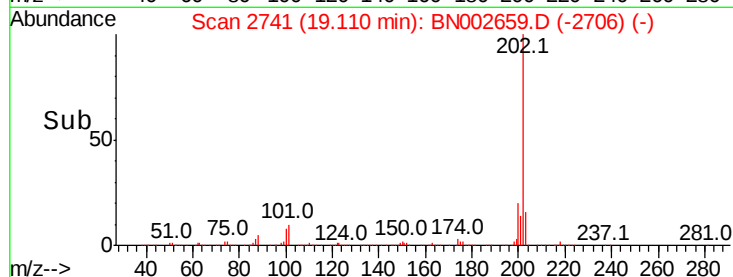
100 8.0 6.6 9.8



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

Pyrene

Concen: 6.444 ng/ul

RT: 19.47 min Scan# 2802

Delta R.T. -0.01 min

Lab File: BN002659.D

Acq: 12 Sep 2018 17:42

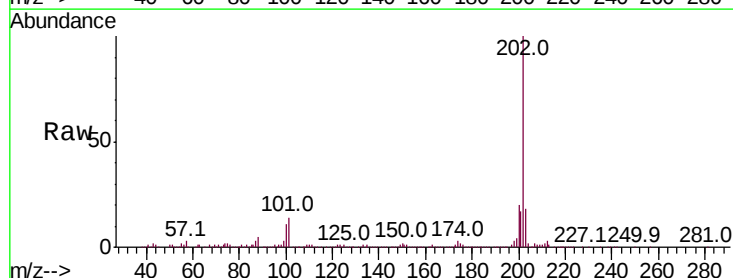
Tgt Ion:202 Resp: 414247

Ion Ratio Lower Upper

202 100

101 13.7 10.2 15.2

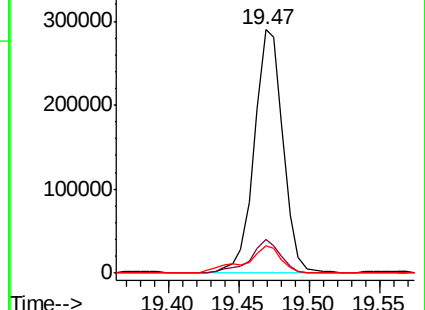
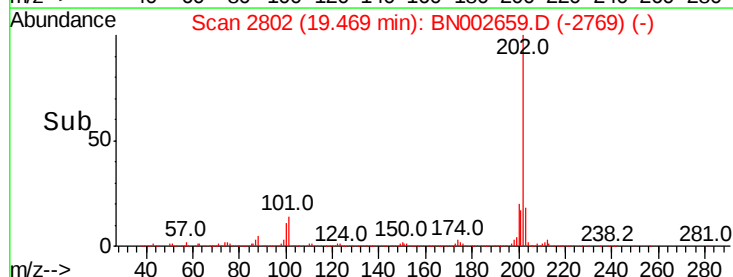
100 11.0 8.5 12.7

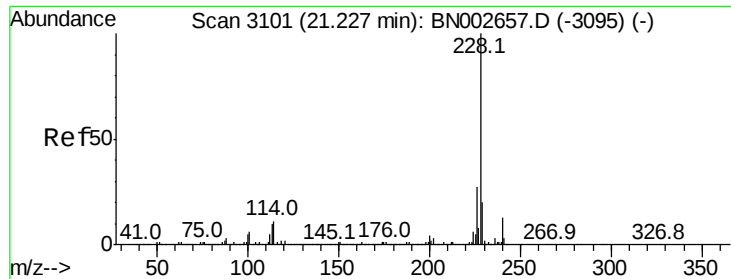


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 3.178 ng/ul

RT: 21.23 min Scan# 3101

Delta R.T. -0.00 min

Lab File: BN002659.D

Acq: 12 Sep 2018 17:42

Instrument :

BNA_N

ClientSampleId :

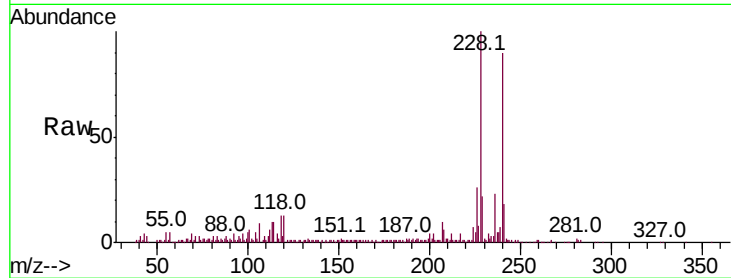
Tot Ion:228 Resp: 207564

Ion Ratio Lower Upper

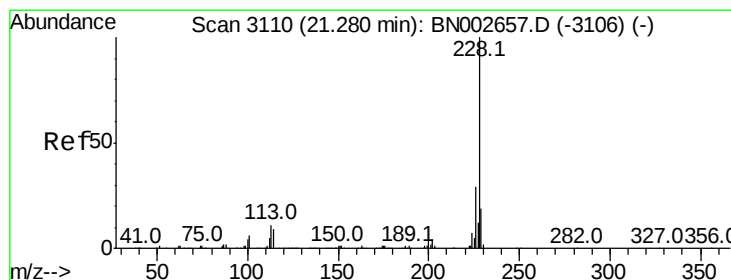
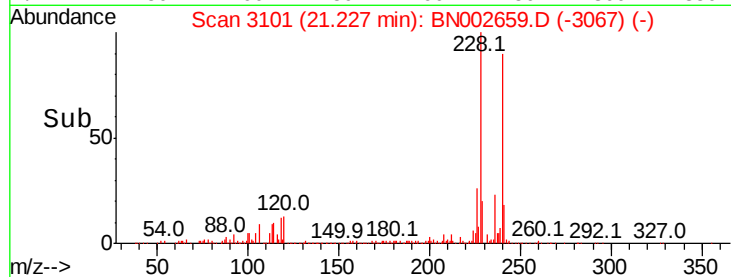
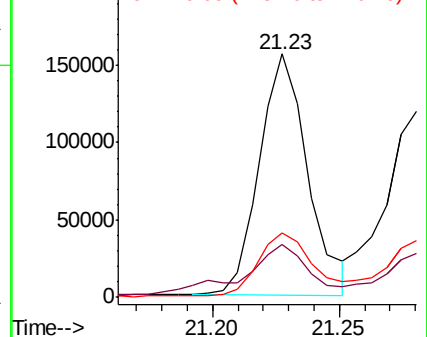
228 100

229 21.6 15.7 23.5

226 26.2 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



#84

Chrysene

Concen: 3.358 ng/ul

RT: 21.23 min Scan# 3101

Delta R.T. -0.05 min

Lab File: BN002659.D

Acq: 12 Sep 2018 17:42

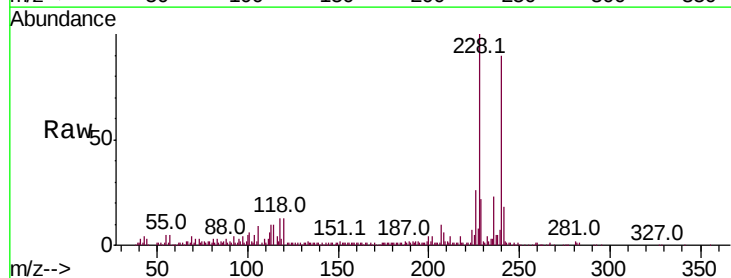
Tgt Ion:228 Resp: 207564

Ion Ratio Lower Upper

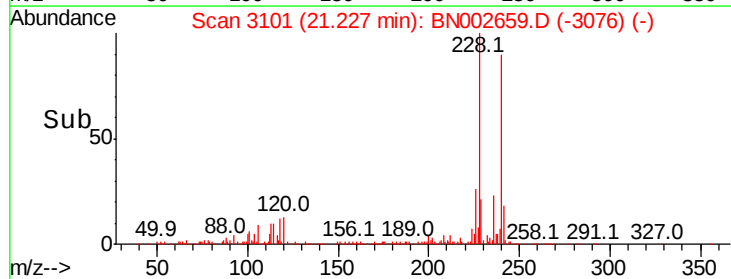
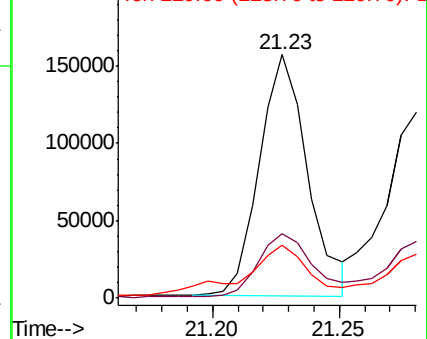
228 100

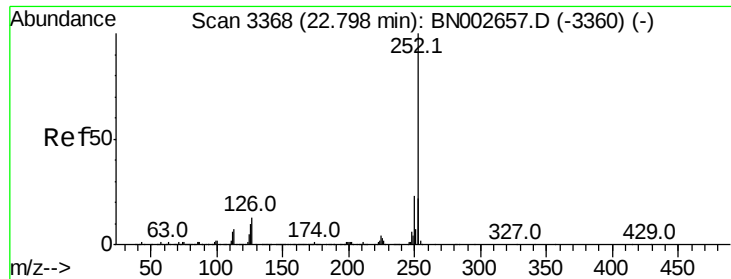
226 26.2 24.0 36.0

229 21.6 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

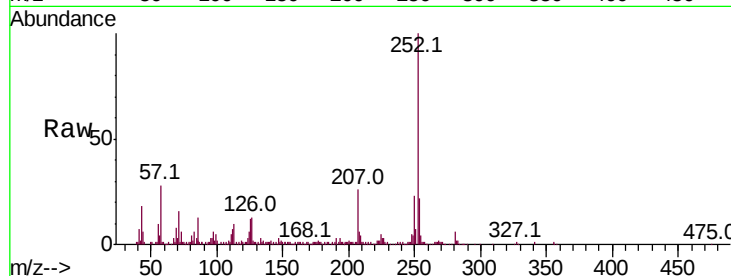




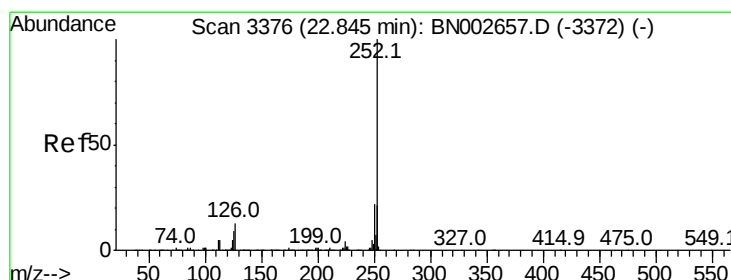
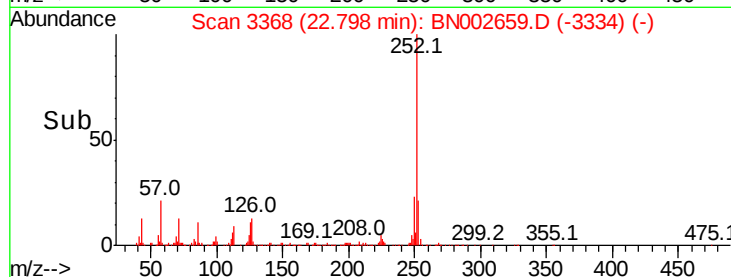
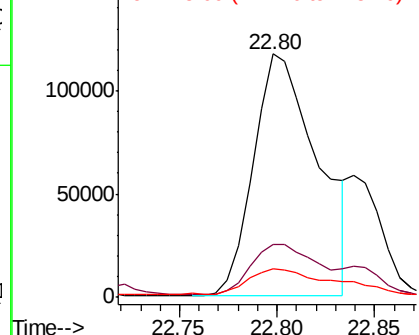
#87
Benzo(b)fluoranthene
Concen: 4.799 ng/ul
RT: 22.80 min Scan# 3368
Delta R.T. -0.00 min
Lab File: BN002659.D
Acq: 12 Sep 2018 17:42

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	12.0	8.5	12.7

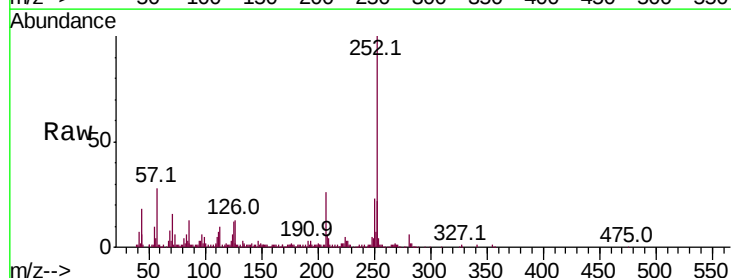


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

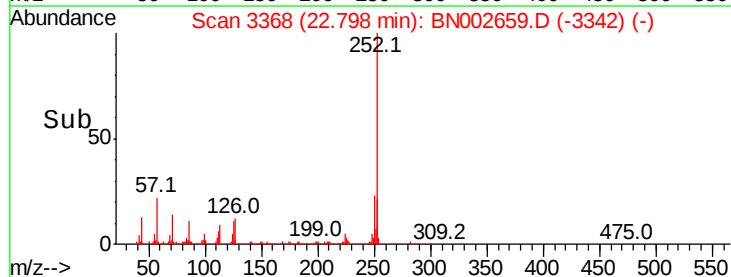
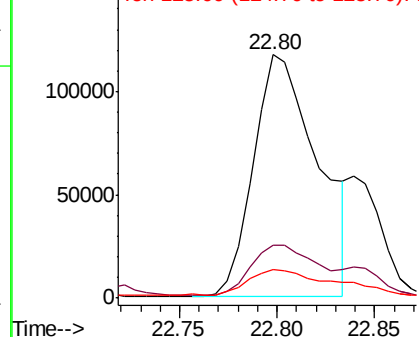


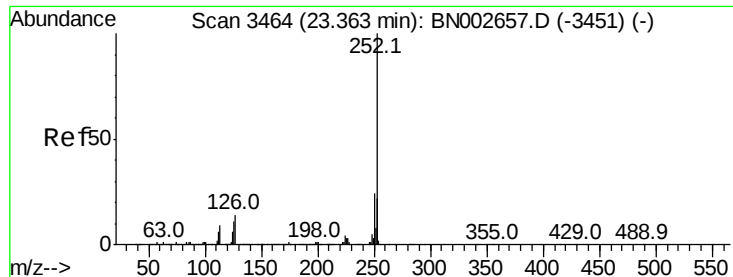
#88
Benzo(k)fluoranthene
Concen: 5.094 ng/ul
RT: 22.80 min Scan# 3368
Delta R.T. -0.05 min
Lab File: BN002659.D
Acq: 12 Sep 2018 17:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	12.0	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: 3.586 ng/ul

RT: 23.36 min Scan# 3464

Delta R.T. -0.00 min

Lab File: BN002659.D

Acq: 12 Sep 2018 17:42

Instrument :

BNA_N

ClientSampleId :

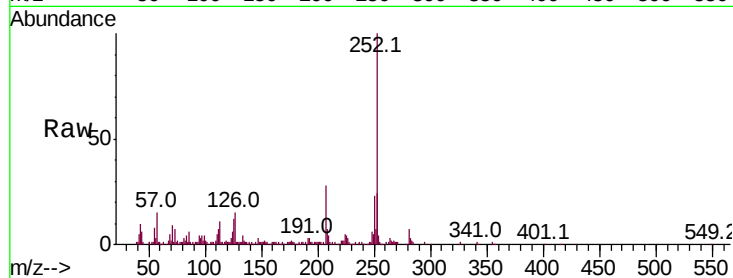
Tot Ion:252 Resp: 190428

Ion Ratio Lower Upper

252 100

253 24.3 17.2 25.8

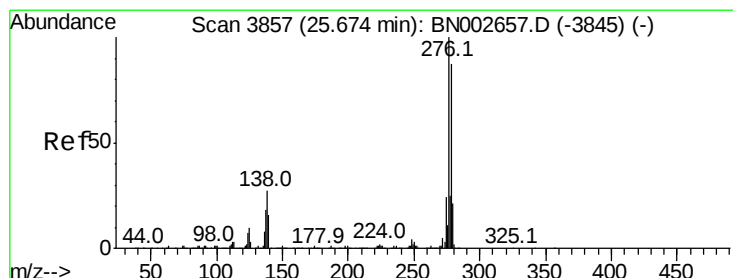
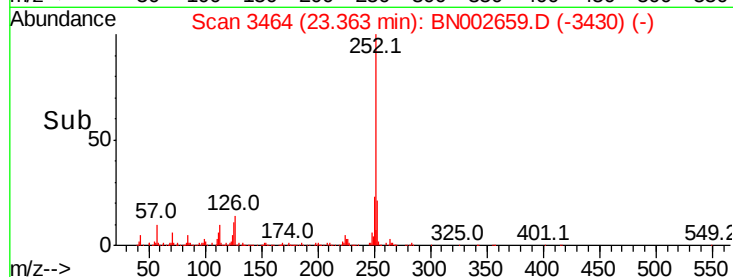
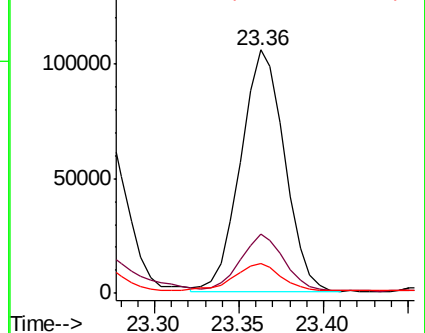
125 12.3 9.0 13.6



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: 2.118 ng/ul

RT: 25.67 min Scan# 3857

Delta R.T. -0.00 min

Lab File: BN002659.D

Acq: 12 Sep 2018 17:42

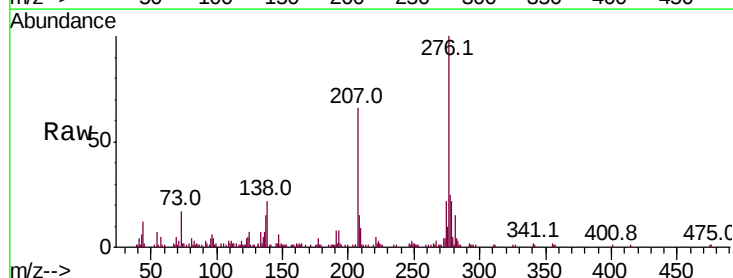
Tgt Ion:276 Resp: 133816

Ion Ratio Lower Upper

276 100

138 22.2 22.3 33.5#

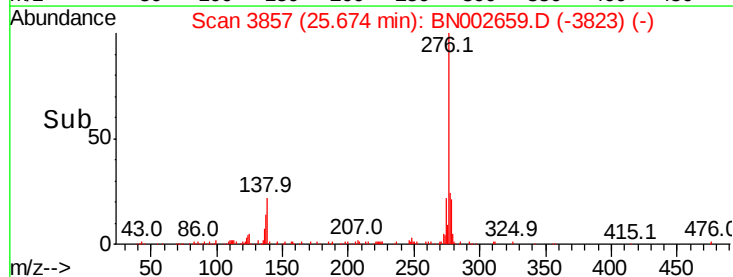
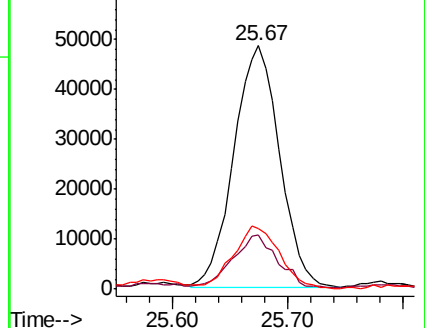
277 24.7 20.2 30.2

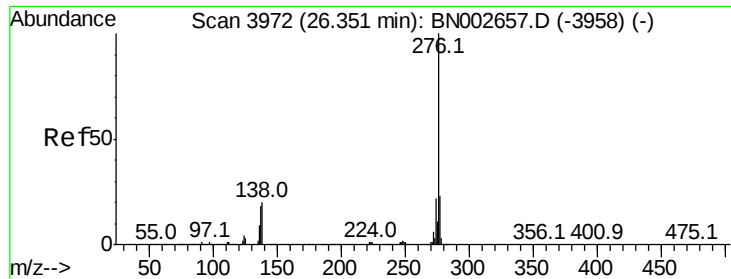


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Benzo(a,h,i)perylene

Concen: 2.112 ng/ul

RT: 26.36 min Scan# 3973

Delta R.T. 0.01 min

Lab File: BN002659.D

Acq: 12 Sep 2018 17:42

Instrument :

BNA_N

ClientSampleId :

Tot Ion:276 Resp: 111336

Ion Ratio Lower Upper

276 100

138 20.0 18.9 28.3

277 21.1 19.2 28.8

