

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100618\
 Data File : BN002970.D
 Acq On : 05 Oct 2018 19:35
 Operator : MJ/SJ
 Sample : J5230-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 06 02:56:07 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 06 02:55:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	130813	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	604810	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	364248	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	810687	20.00	ng/ul	0.00
77) Chrysene-d12	21.23	240	767542	20.00	ng/ul	0.00
85) Perylene-d12	23.43	264	580860	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	11573	4.08	ng/uL	0.00
5) Phenol-d5	6.82	99	271229	24.41	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.97	67	171147	24.81	ng/ul	0.00
9) 2-Chlorophenol-d4	7.17	132	224970	24.61	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	218799	25.43	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	118525	25.30	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	145678	27.48	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.04	165	242708	25.36	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	285424	25.78	ng/ul	0.00
43) Dimethylphthalate-d6	13.68	166	777991	27.29	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	967944	26.00	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	102689	21.78	ng/ul	0.00
57) Fluorene-d10	15.26	176	670760	26.85	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.42	200	103945	20.50	ng/ul	0.00
70) Anthracene-d10	17.12	188	1006645	26.01	ng/ul	0.00
78) Pyrene-d10	19.42	212	1070996	26.44	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.30	264	813738	26.61	ng/ul	0.00

Target Compounds

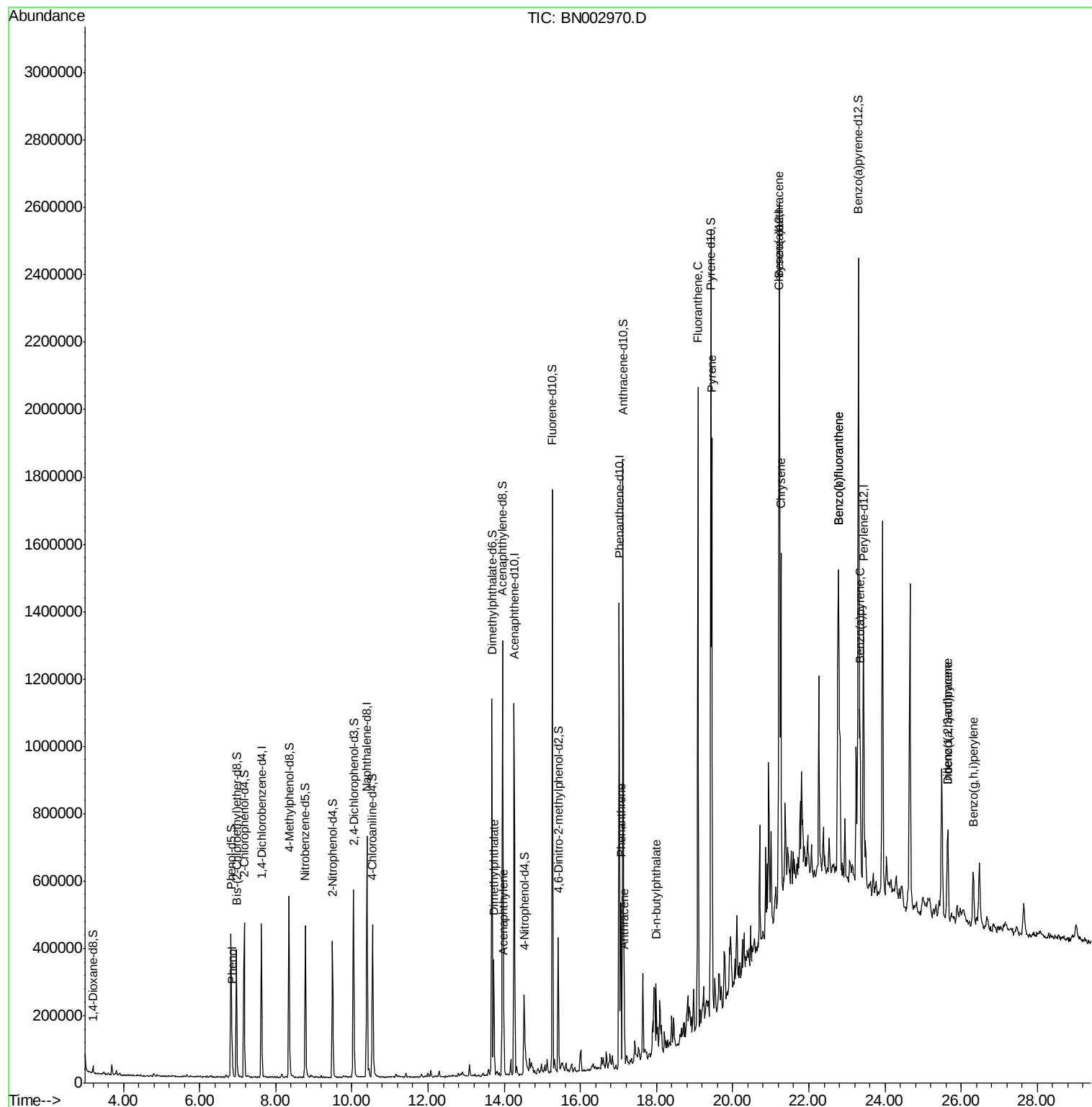
					Ovalue
6) Phenol	6.85	94	46261	4.130	ng/ul 97
44) Dimethylphthalate	13.73	163	229101	8.233	ng/ul 99
47) Acenaphthylene	13.99	152	136274	3.896	ng/ul 100
69) Phenanthrene	17.06	178	283643	6.350	ng/ul 99
71) Anthracene	17.15	178	129444	2.858	ng/ul 98
75) Di-n-butylphthalate	17.99	149	182841	3.921	ng/ul 99
76) Fluoranthene	19.09	202	1078780	22.641	ng/ul 99
79) Pyrene	19.45	202	948364	18.688	ng/ul 97
82) Benzo(a)anthracene	21.21	228	497606	10.422	ng/ul 98
84) Chrysene	21.26	228	571444	12.768	ng/ul 99
87) Benzo(b)fluoranthene	22.78	252	736003	20.748	ng/ul 96
88) Benzo(k)fluoranthene	22.78	252	736003	22.239	ng/ul 98
90) Benzo(a)pyrene	23.34	252	328684	9.801	ng/ul 97
91) Indeno(1,2,3-cd)pyrene	25.64	276	234839	5.915	ng/ul 96
92) Dibenzo(a,h)anthracene	25.64	278	67314	2.012	ng/ul# 87
93) Benzo(g,h,i)perylene	26.32	276	190217	5.731	ng/ul 98

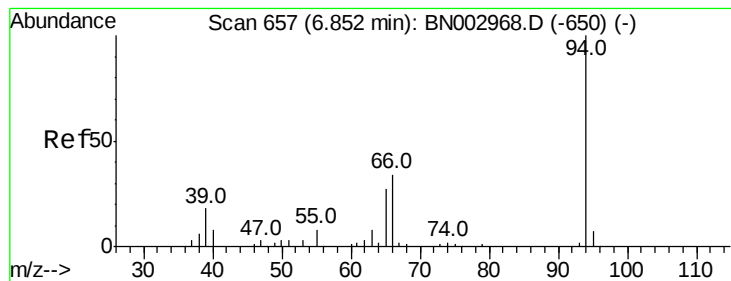
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 06 02:55:40 2018
Response via : Initial Calibration





#6

Phenol

Concen: 4.130 ng/ul

RT: 6.85 min Scan# 657

Delta R.T. 0.00 min

Lab File: BN002970.D

Acq: 05 Oct 2018 19:35

Instrument :

BNA_N

ClientSampleId :

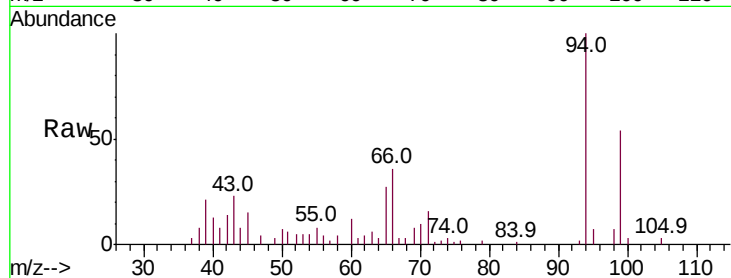
Tot Ion: 94 Resp: 46261

Ion Ratio Lower Upper

94 100

65 27.3 23.1 34.7

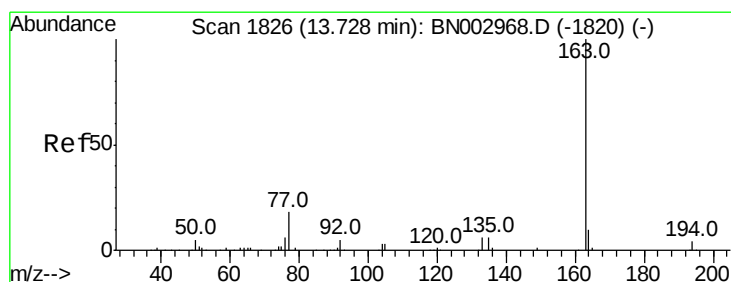
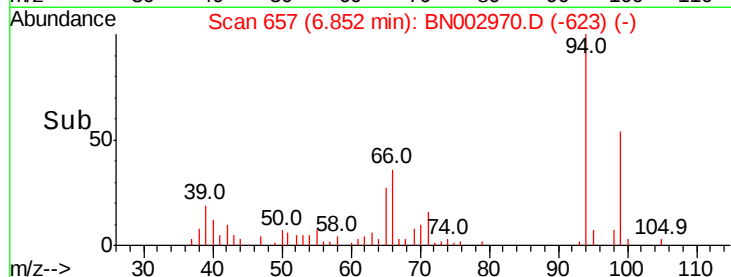
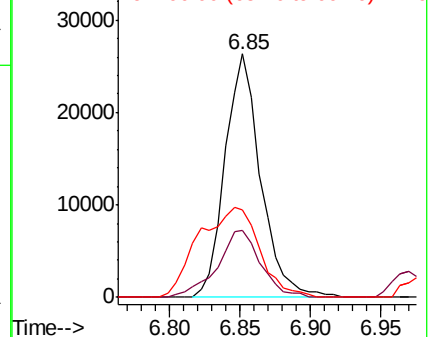
66 35.8 29.8 44.6



Abundance Ion 94.00 (93.70 to 94.70): BN002968.D (-650) (-)

Ion 65.00 (64.70 to 65.70): BN002968.D (-650) (-)

Ion 66.00 (65.70 to 66.70): BN002968.D (-650) (-)



#44

Dimethylphthalate

Concen: 8.233 ng/ul

RT: 13.73 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BN002970.D

Acq: 05 Oct 2018 19:35

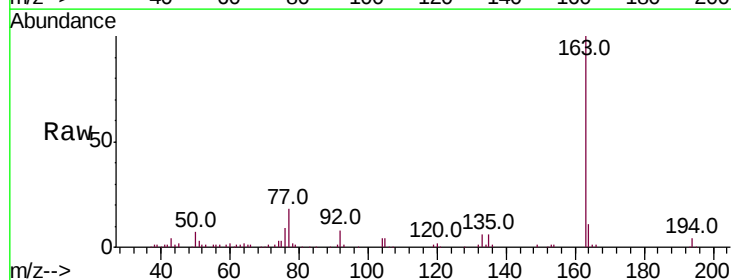
Tgt Ion: 163 Resp: 229101

Ion Ratio Lower Upper

163 100

194 4.0 3.5 5.3

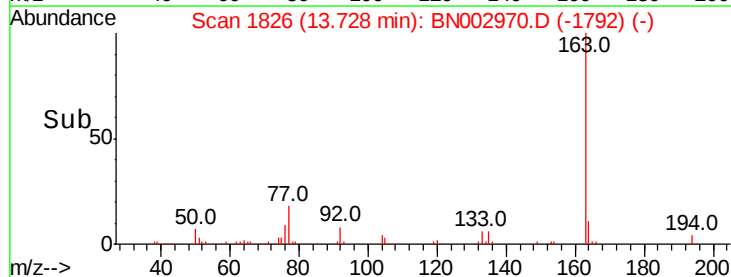
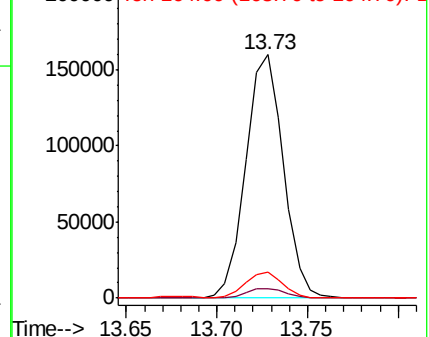
164 10.6 8.1 12.1

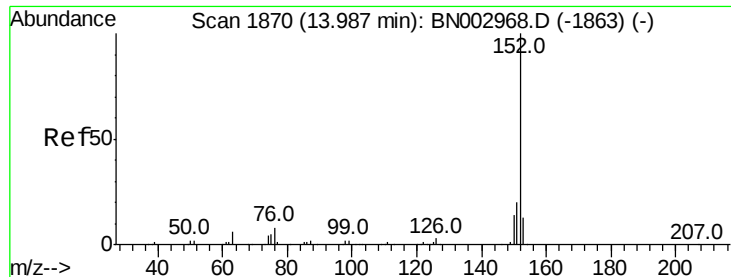


Abundance Ion 163.00 (162.70 to 163.70): BN002968.D (-1820) (-)

Ion 194.00 (193.70 to 194.70): BN002968.D (-1820) (-)

Ion 164.00 (163.70 to 164.70): BN002968.D (-1820) (-)





#47

Acenaphthylene

Concen: 3.896 ng/ul

RT: 13.99 min Scan# 1870

Delta R.T. 0.00 min

Lab File: BN002970.D

Acq: 05 Oct 2018 19:35

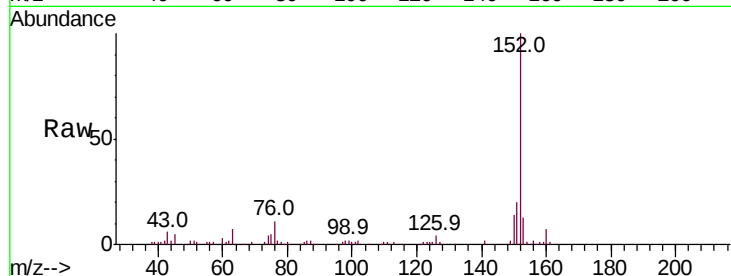
Instrument :

BNA_N

ClientSampleId :

Tot Ion:152 Resp: 136274

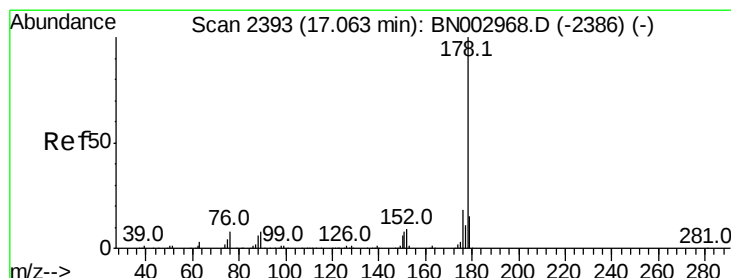
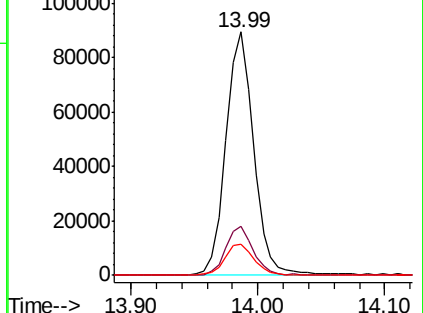
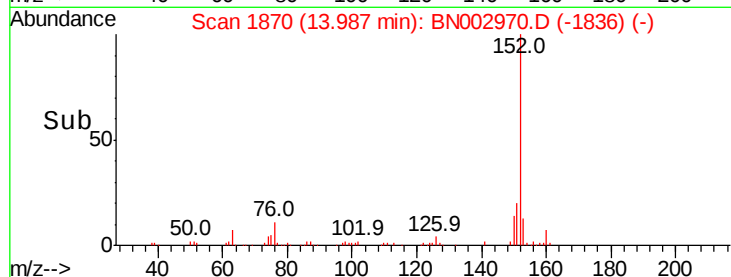
Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	13.0	10.6	16.0



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



#69

Phenanthrene

Concen: 6.350 ng/ul

RT: 17.06 min Scan# 2393

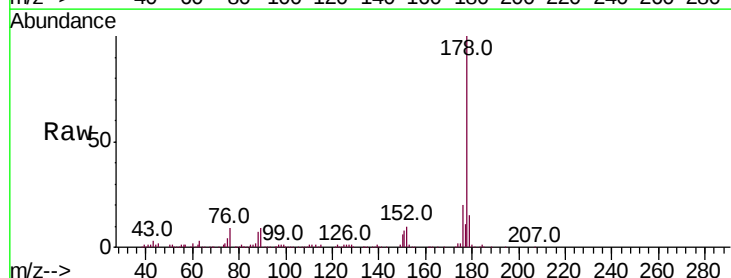
Delta R.T. 0.00 min

Lab File: BN002970.D

Acq: 05 Oct 2018 19:35

Tgt Ion:178 Resp: 283643

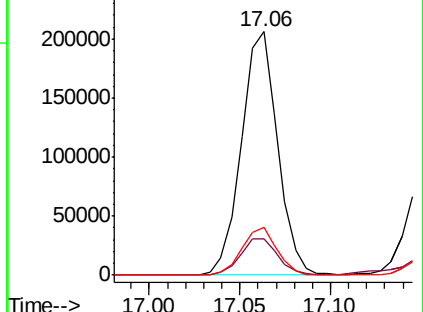
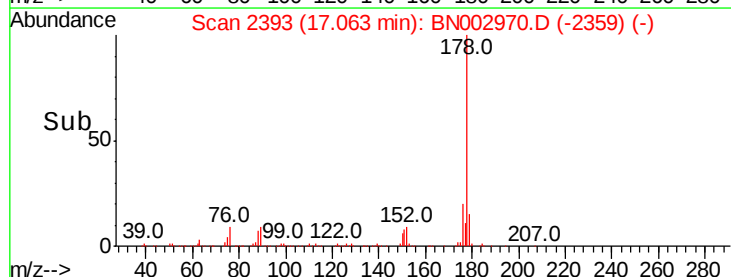
Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.2	18.4
176	19.5	15.0	22.6

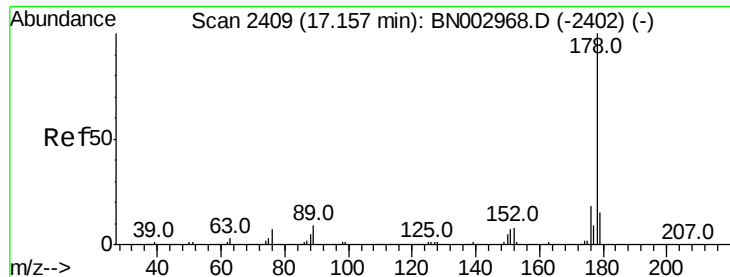


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 2.858 ng/ul

RT: 17.15 min Scan# 2408

Delta R.T. -0.01 min

Lab File: BN002970.D

Acq: 05 Oct 2018 19:35

Instrument :

BNA_N

ClientSampled :

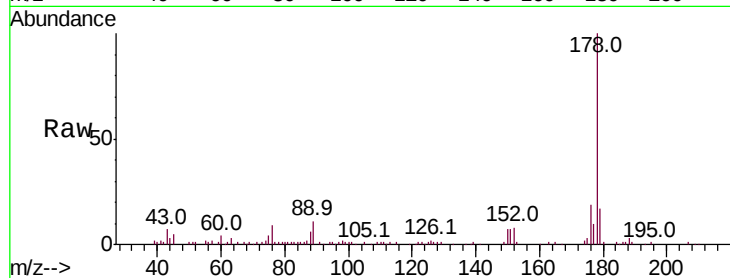
Tot Ion:178 Resp: 129444

Ion Ratio Lower Upper

178 100

179 16.6 12.0 18.0

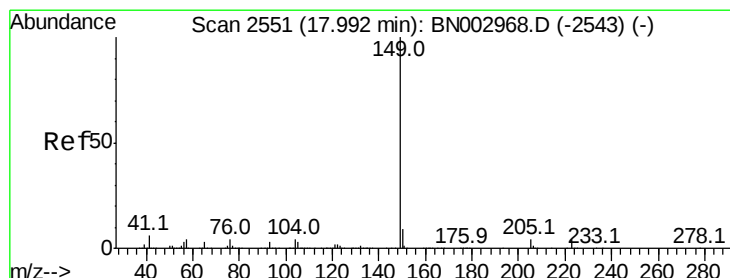
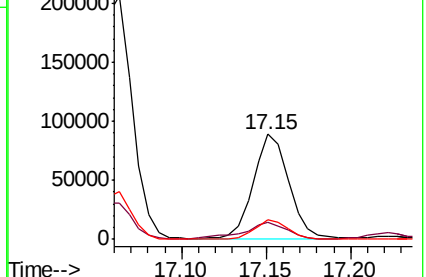
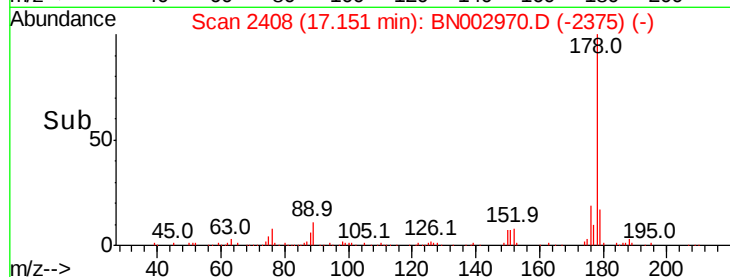
176 18.7 15.0 22.4



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



#75

Di-n-butylphthalate

Concen: 3.921 ng/ul

RT: 17.99 min Scan# 2550

Delta R.T. -0.01 min

Lab File: BN002970.D

Acq: 05 Oct 2018 19:35

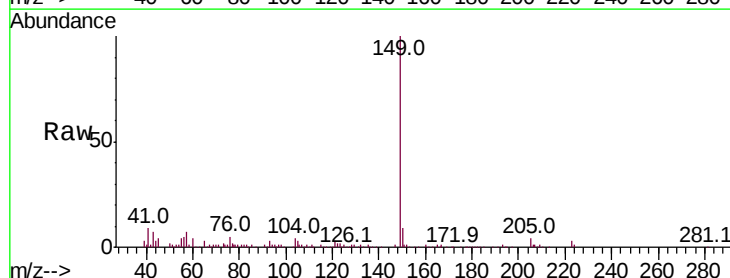
Tgt Ion:149 Resp: 182841

Ion Ratio Lower Upper

149 100

150 9.4 7.3 10.9

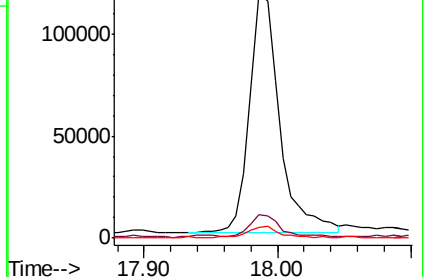
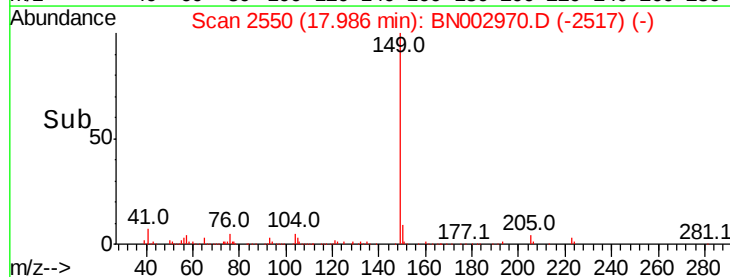
104 4.5 3.7 5.5

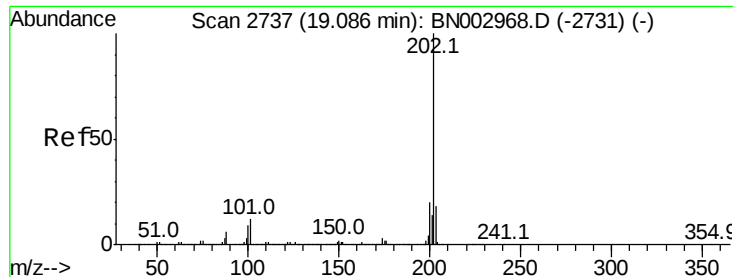


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#76

Fluoranthene

Concen: 22.641 ng/ul

RT: 19.09 min Scan# 2737

Delta R.T. 0.00 min

Lab File: BN002970.D

Acq: 05 Oct 2018 19:35

Instrument :

BNA_N

ClientSampled :

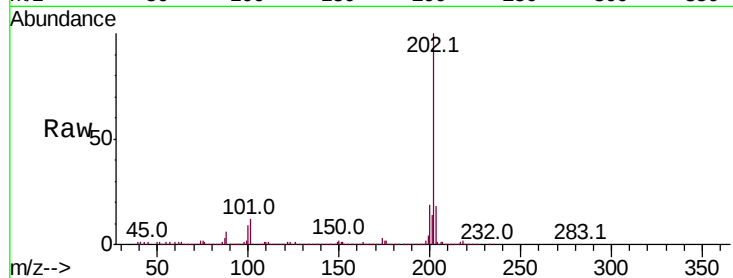
Tot Ion:202 Resp: 1078780

Ion Ratio Lower Upper

202 100

101 12.2 9.4 14.2

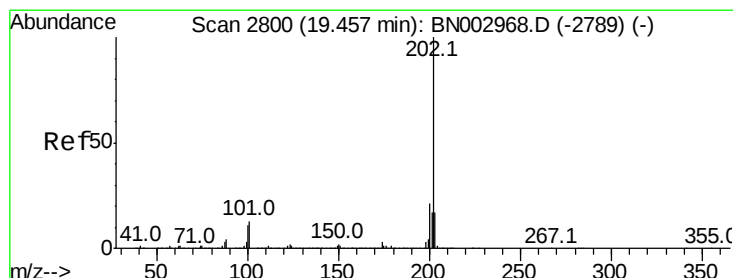
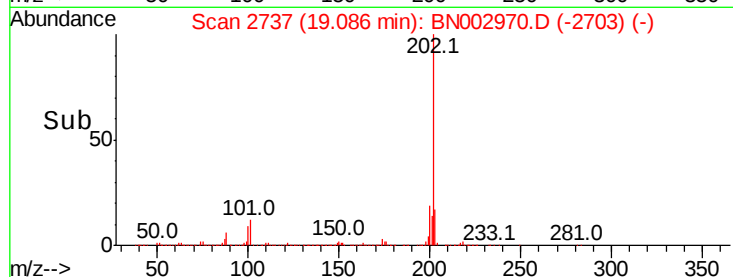
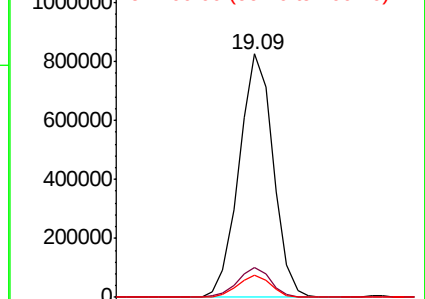
100 9.3 7.0 10.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#79

Pyrene

Concen: 18.688 ng/ul

RT: 19.45 min Scan# 2799

Delta R.T. -0.01 min

Lab File: BN002970.D

Acq: 05 Oct 2018 19:35

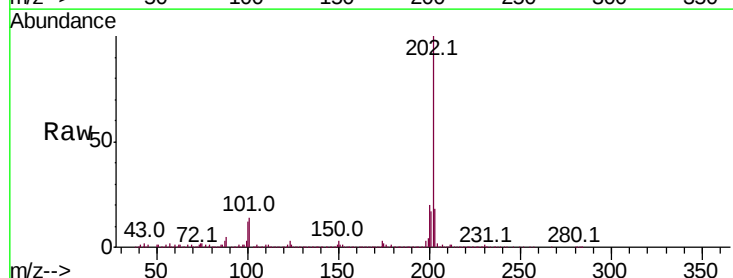
Tgt Ion:202 Resp: 948364

Ion Ratio Lower Upper

202 100

101 14.1 10.8 16.2

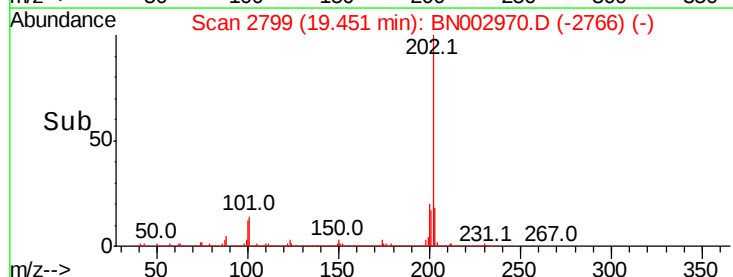
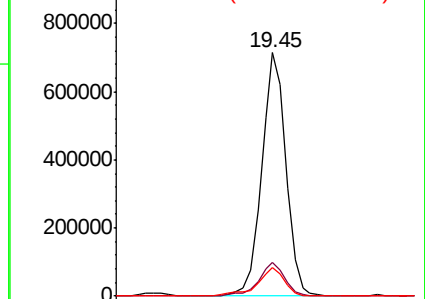
100 11.6 8.2 12.2

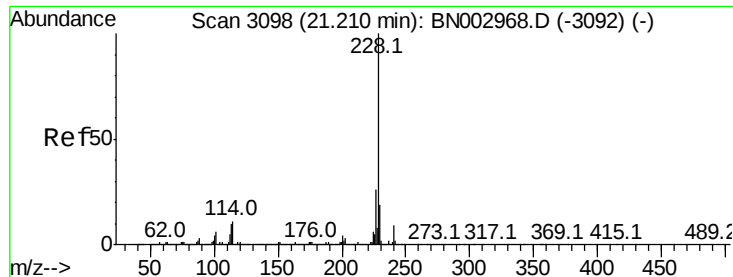


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 10.422 ng/ul

RT: 21.21 min Scan# 3098

Delta R.T. 0.00 min

Lab File: BN002970.D

Acq: 05 Oct 2018 19:35

Instrument :

BNA_N

ClientSampleId :

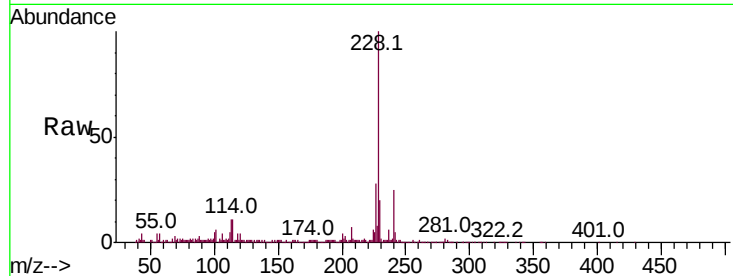
Tot Ion:228 Resp: 497606

Ion Ratio Lower Upper

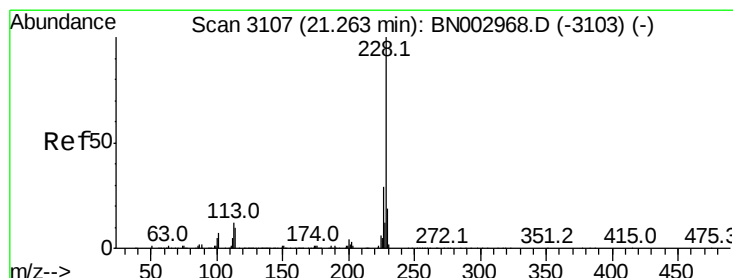
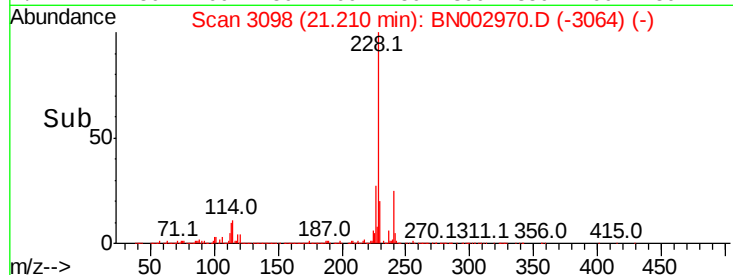
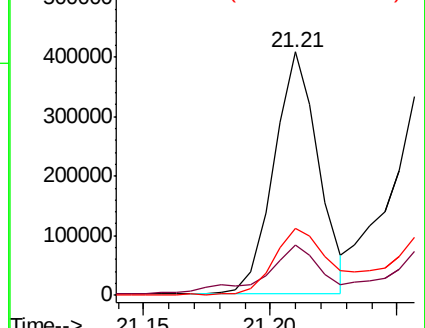
228 100

229 20.5 15.8 23.6

226 27.5 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



#84

Chrysene

Concen: 12.768 ng/ul

RT: 21.26 min Scan# 3107

Delta R.T. 0.00 min

Lab File: BN002970.D

Acq: 05 Oct 2018 19:35

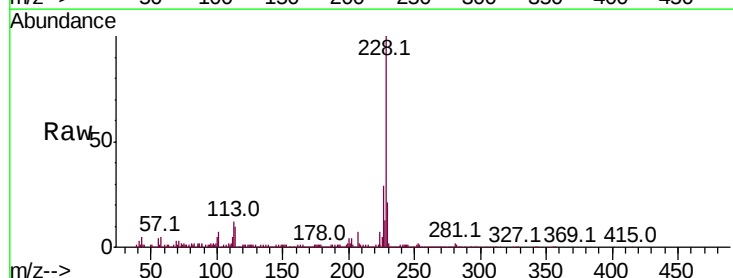
Tgt Ion:228 Resp: 571444

Ion Ratio Lower Upper

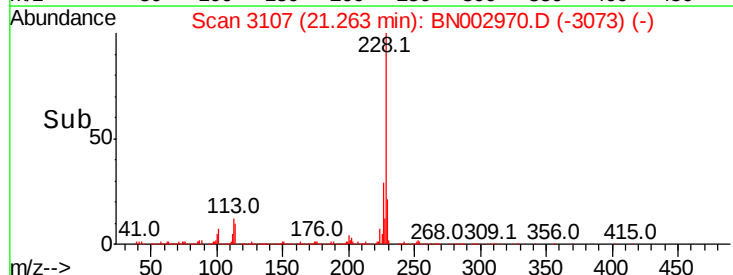
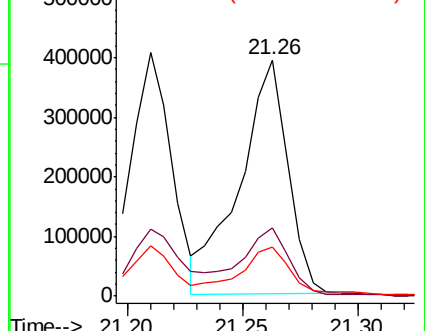
228 100

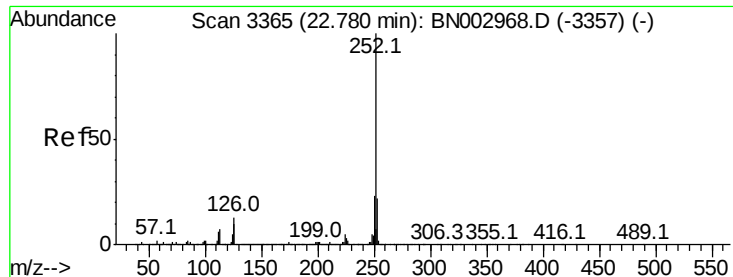
226 29.1 23.4 35.0

229 21.0 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





#87

Benzo(b)fluoranthene

Concen: 20.748 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. 0.00 min

Lab File: BN002970.D

Acq: 05 Oct 2018 19:35

Instrument :

BNA_N

ClientSampleId :

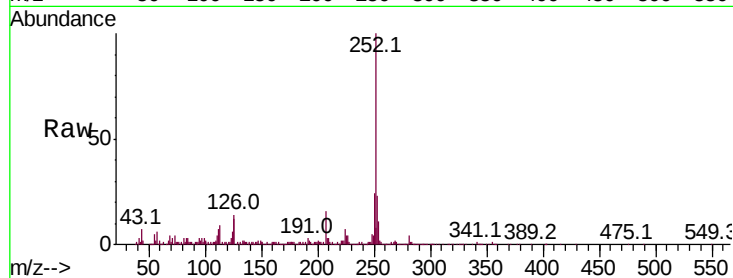
Tot Ion:252 Resp: 736003

Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.4

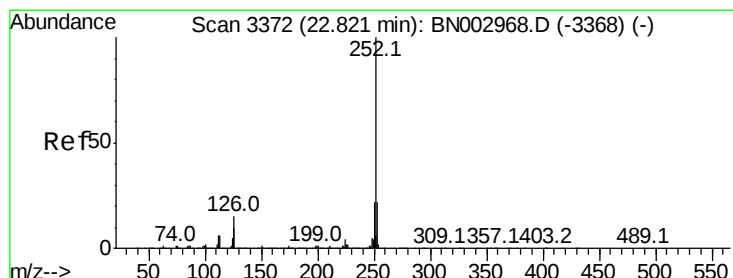
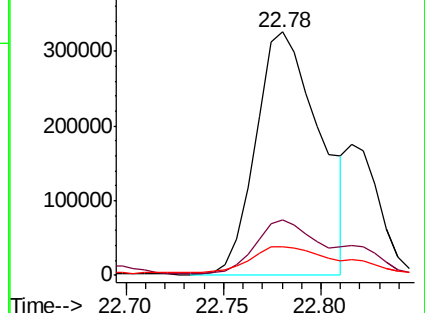
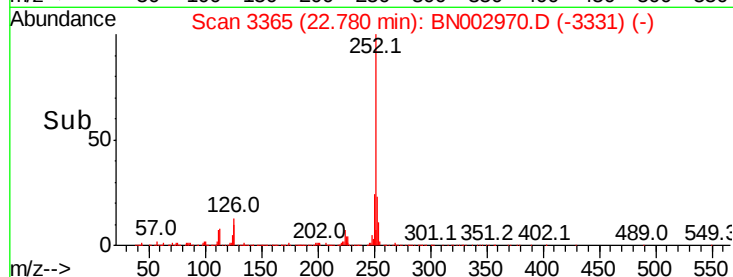
125 11.5 8.0 12.0



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: 22.239 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. -0.04 min

Lab File: BN002970.D

Acq: 05 Oct 2018 19:35

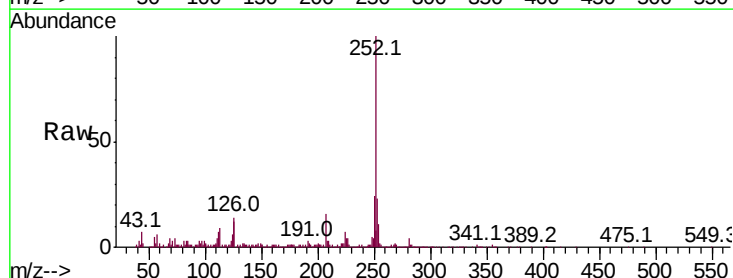
Tgt Ion:252 Resp: 736003

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

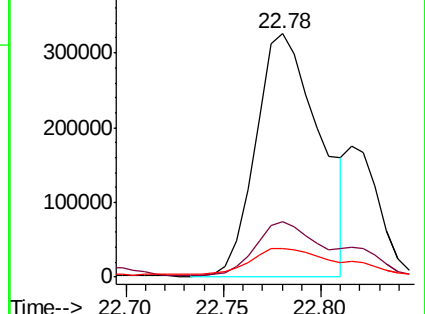
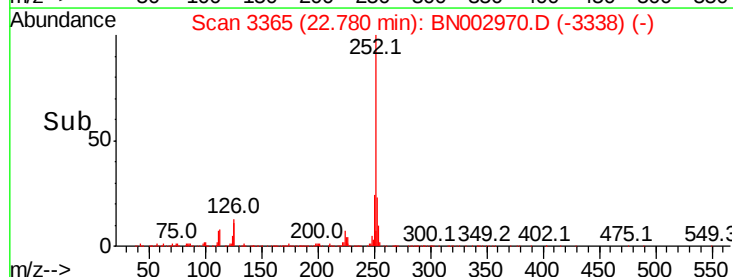
125 11.5 8.3 12.5

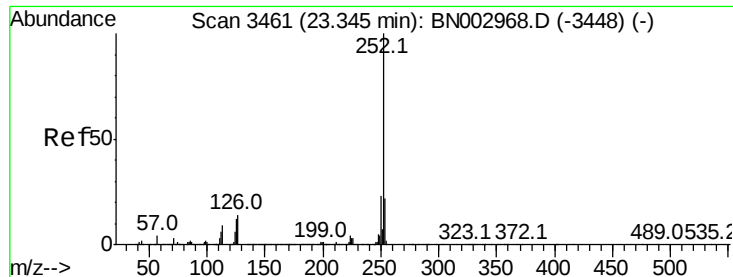


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 9.801 ng/ul

RT: 23.34 min Scan# 3460

Delta R.T. -0.01 min

Lab File: BN002970.D

Acq: 05 Oct 2018 19:35

Instrument :

BNA_N

ClientSampled :

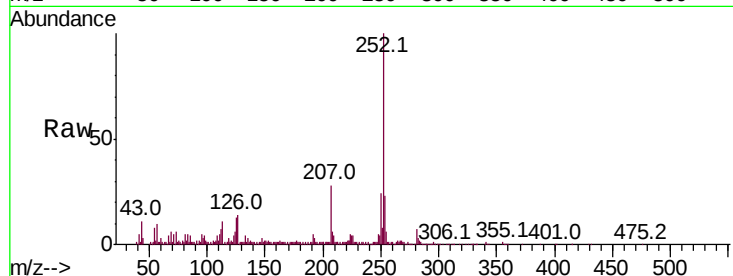
Tot Ion:252 Resp: 328684

Ion Ratio Lower Upper

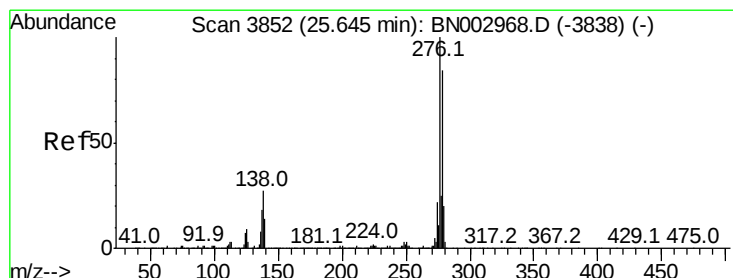
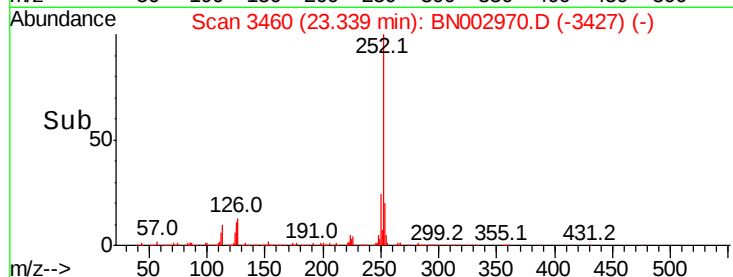
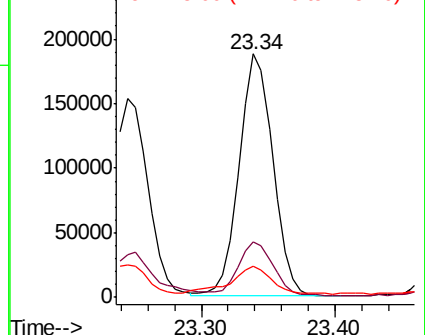
252 100

253 22.8 17.6 26.4

125 12.6 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: 5.915 ng/ul

RT: 25.64 min Scan# 3852

Delta R.T. 0.00 min

Lab File: BN002970.D

Acq: 05 Oct 2018 19:35

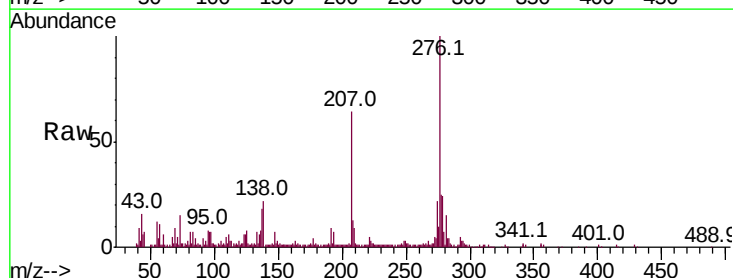
Tgt Ion:276 Resp: 234839

Ion Ratio Lower Upper

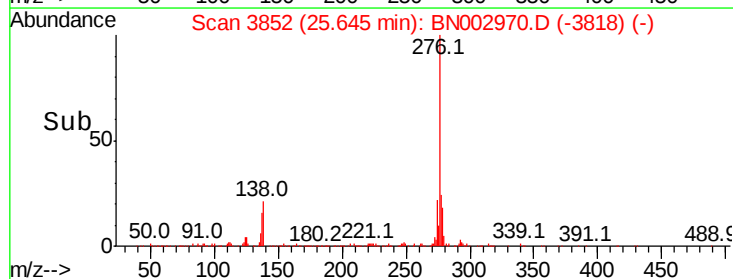
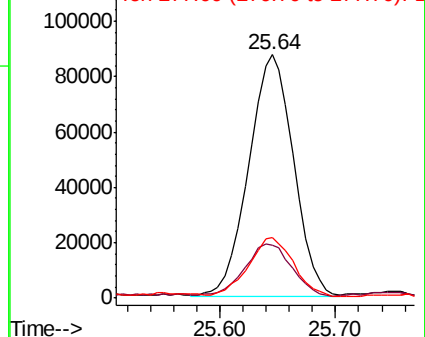
276 100

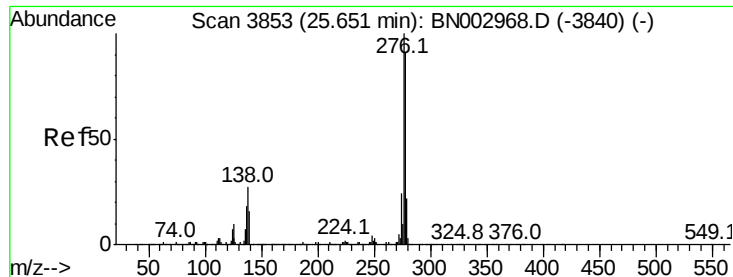
138 21.6 20.2 30.4

277 24.7 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: 2.012 ng/ul

RT: 25.64 min Scan# 3851

Delta R.T. -0.01 min

Lab File: BN002970.D

Acq: 05 Oct 2018 19:35

Instrument :

BNA_N

ClientSampled :

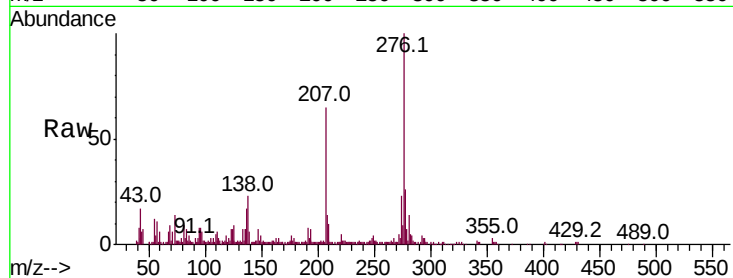
Tot Ion:278 Resp: 67314

Ion Ratio Lower Upper

278 100

139 24.2 12.7 19.1#

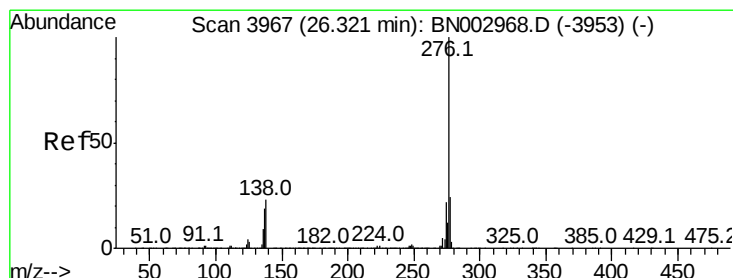
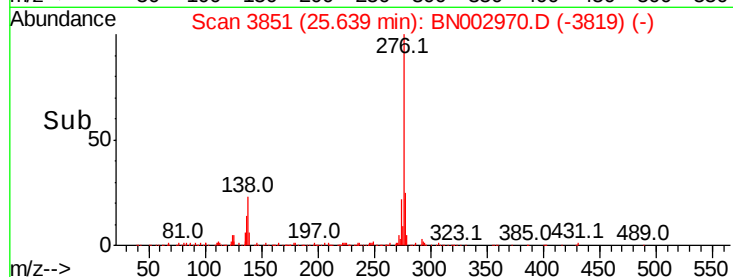
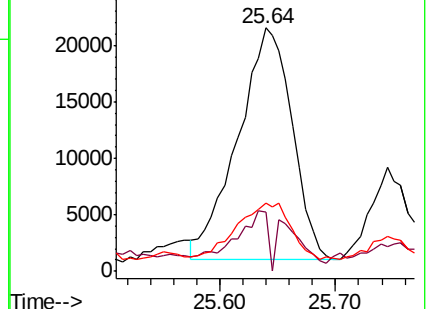
279 27.9 18.7 28.1



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: 5.731 ng/ul

RT: 26.32 min Scan# 3966

Delta R.T. -0.01 min

Lab File: BN002970.D

Acq: 05 Oct 2018 19:35

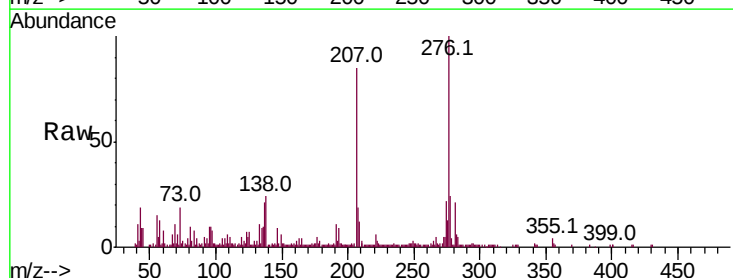
Tgt Ion:276 Resp: 190217

Ion Ratio Lower Upper

276 100

138 23.6 18.2 27.2

277 23.9 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

