

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030719\
 Data File : BN004657.D
 Acq On : 08 Mar 2019 03:05
 Operator : JU/SJ
 Sample : K1657-05
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DB649

Quant Time: Mar 08 04:25:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 08 00:36:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	38024	20.00	ng/ul	0.00
18) Naphthalene-d8	10.50	136	180334	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.36	164	108713	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.11	188	252470	20.00	ng/ul	0.00
78) Chrysene-d12	21.31	240	253168	20.00	ng/ul	0.00
86) Perylene-d12	23.57	264	213677	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	4898	7.27	ng/uL	0.00
5) Phenol-d5	6.88	99	73937	23.53	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.06	67	38634	23.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	65396	23.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.42	113	67482	24.69	ng/ul	0.00
19) Nitrobenzene-d5	8.88	128	33529	24.39	ng/ul	0.00
22) 2-Nitrophenol-d4	9.60	143	39547	25.33	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.12	165	70419	23.66	ng/ul	0.00
29) 4-Chloroaniline-d4	10.65	131	57923	16.23	ng/ul	0.00
44) Dimethylphthalate-d6	13.77	166	229098	24.37	ng/ul	0.00
47) Acenaphthylene-d8	14.06	160	270004	23.86	ng/ul	0.00
52) 4-Nitrophenol-d4	14.56	143	36602	20.98	ng/ul	0.00
58) Fluorene-d10	15.36	176	192102	24.05	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.48	200	38043	21.83	ng/ul	0.00
71) Anthracene-d10	17.21	188	289794	23.57	ng/ul	0.00
79) Pyrene-d10	19.51	212	313221	25.32	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.42	264	238540	20.79	ng/ul	0.00

Target Compounds

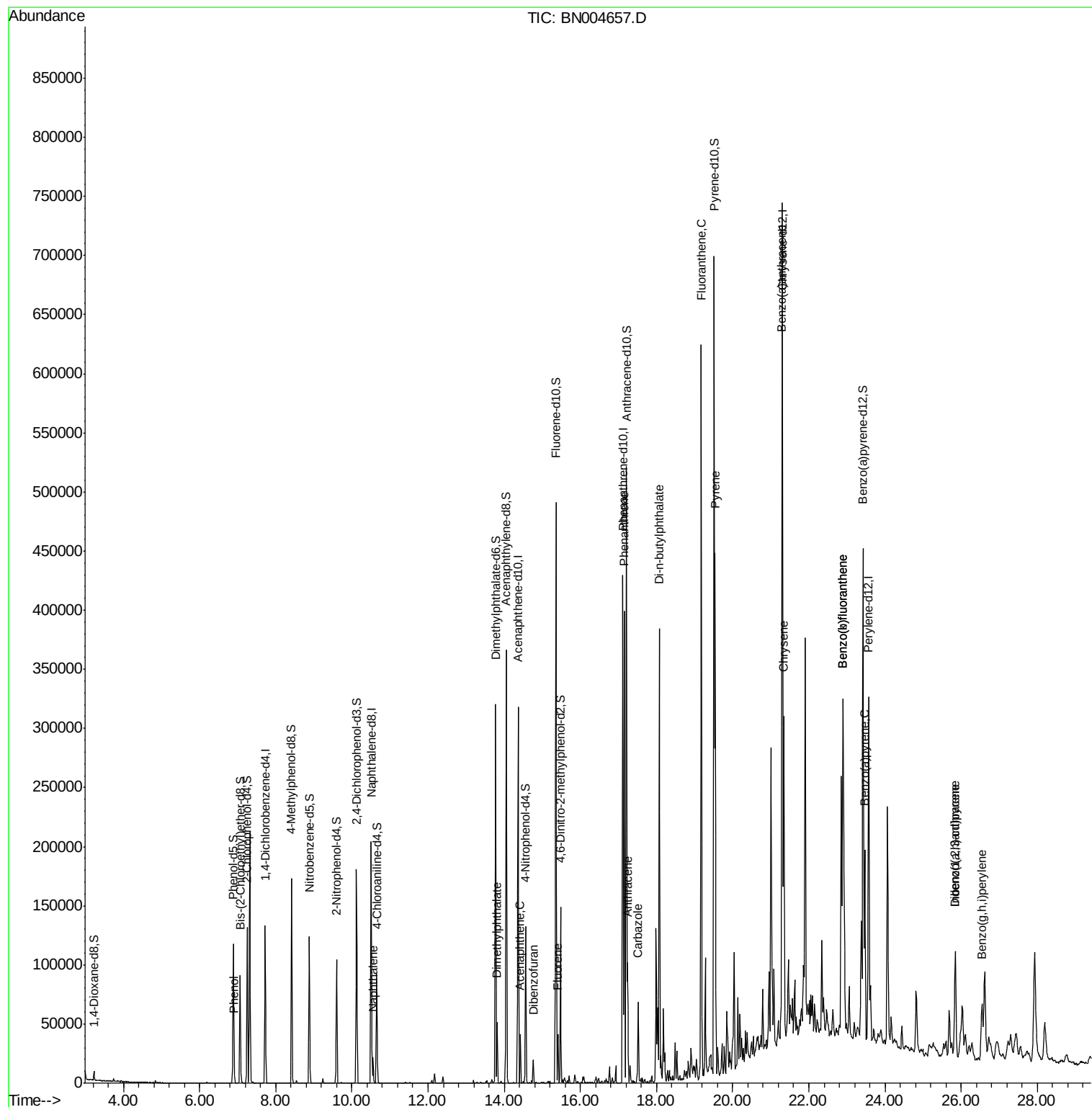
					Ovalue	
6) Phenol	6.91	94	5130	1.604	ng/ul	96
28) Naphthalene	10.56	128	20232	2.153	ng/ul	99
45) Dimethylphthalate	13.82	163	35103	3.806	ng/ul	99
50) Acenaphthene	14.42	153	18704	2.475	ng/ul	99
54) Dibenzofuran	14.76	168	14555	1.341	ng/ul	98
59) Fluorene	15.41	166	19380	2.225	ng/ul	99
70) Phenanthrene	17.15	178	241010	17.167	ng/ul	99
72) Anthracene	17.25	178	66596	4.643	ng/ul	99
75) Carbazole	17.52	167	44212	3.549	ng/ul	99
76) Di-n-butylphthalate	18.07	149	288805	18.695	ng/ul	100
77) Fluoranthene	19.17	202	363327	22.446	ng/ul	97
80) Pyrene	19.54	202	268050	17.464	ng/ul	100
83) Benzo(a)anthracene	21.29	228	172821	10.851	ng/ul	97
85) Chrysene	21.35	228	147071	9.944	ng/ul	97
88) Benzo(b)fluoranthene	22.89	252	185000	13.949	ng/ul	98
89) Benzo(k)fluoranthene	22.89	252	185000	14.186	ng/ul	97
91) Benzo(a)pyrene	23.47	252	112662	9.030	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.84	276	78513	5.777	ng/ul#	95
93) Dibenzo(a,h)anthracene	25.84	278	23122	2.022	ng/ul#	87
94) Benzo(g,h,i)perylene	26.54	276	62140	5.622	ng/ul	99

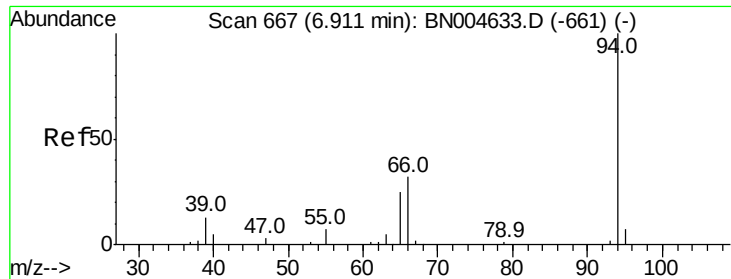
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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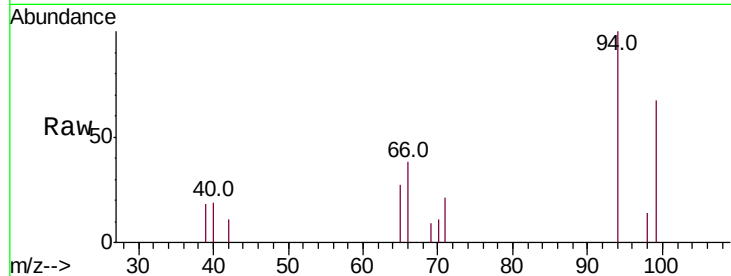
#6

Phenol

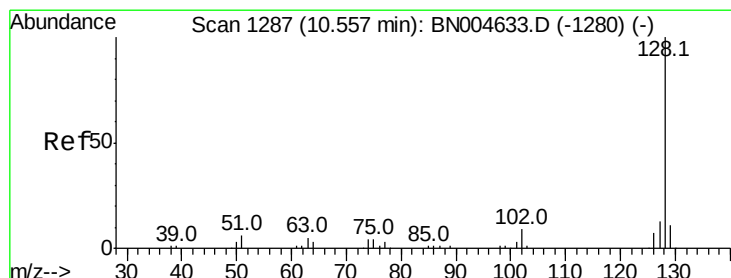
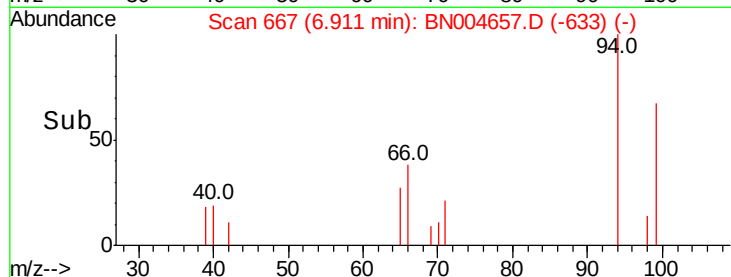
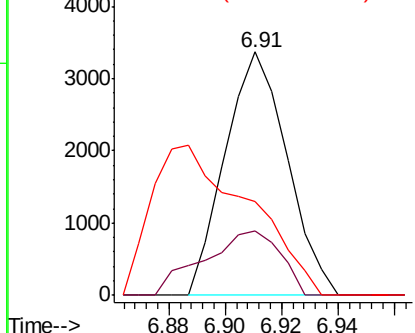
Concen: 1.604 ng/ul
 RT: 6.91 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: BN004657.D
 Acq: 08 Mar 2019 03:05

Instrument :
 BNA_N
 ClientSampleId :
 DB649

Tot Ion: 94 Resp: 5130
 Ion Ratio Lower Upper
 94 100
 65 26.5 20.2 30.4
 66 38.3 28.2 42.2



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

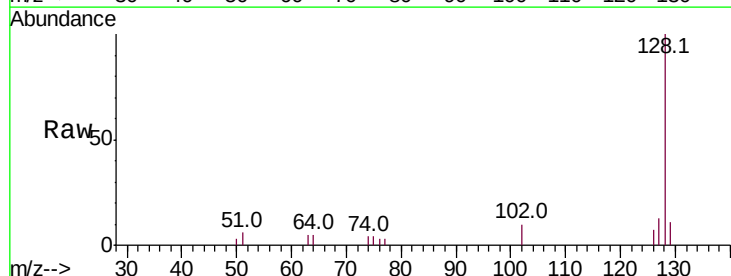


#28

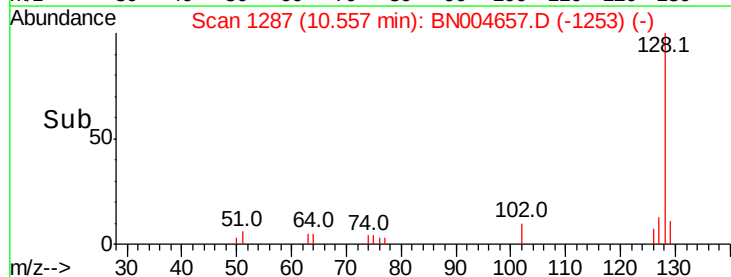
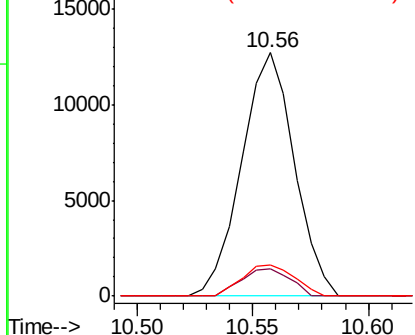
Naphthalene

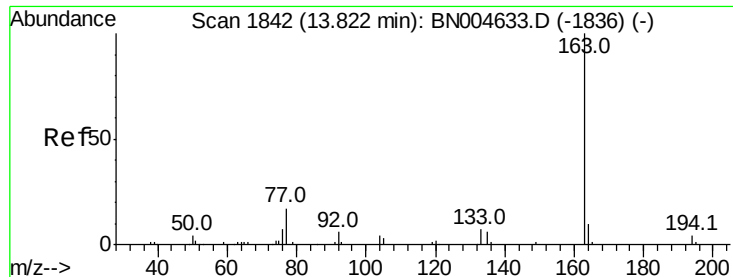
Concen: 2.153 ng/ul
 RT: 10.56 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: BN004657.D
 Acq: 08 Mar 2019 03:05

Tgt Ion:128 Resp: 20232
 Ion Ratio Lower Upper
 128 100
 129 11.4 8.7 13.1
 127 12.9 10.2 15.4



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

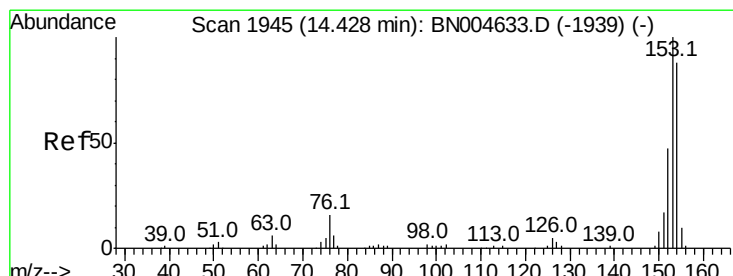
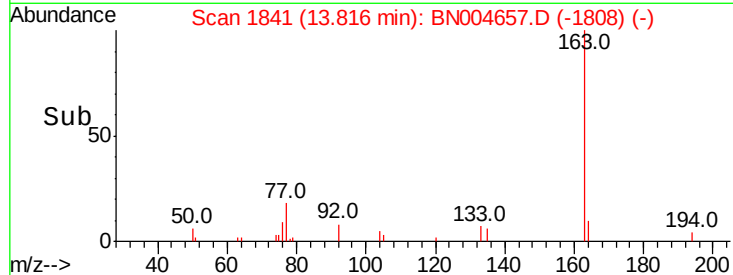
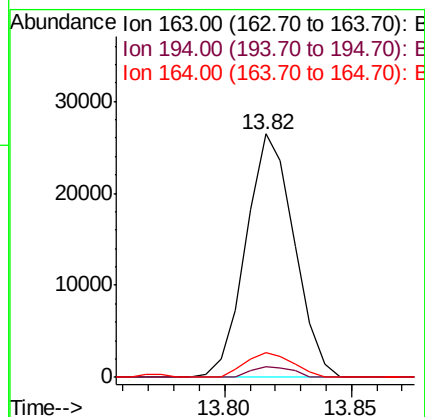
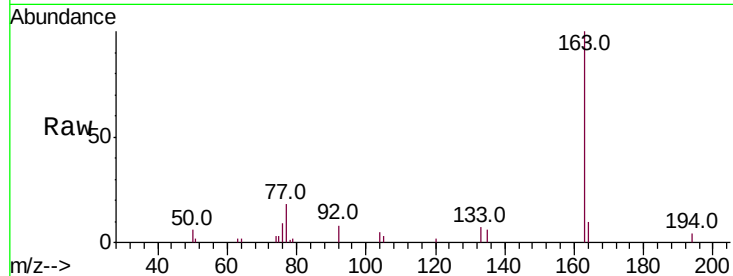




#45
 Dimethylphthalate
 Concen: 3.806 ng/ul
 RT: 13.82 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BN004657.D
 Acq: 08 Mar 2019 03:05

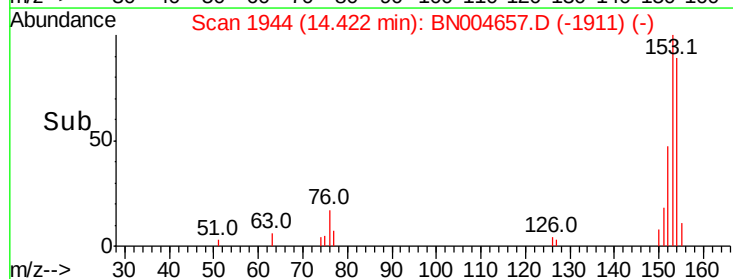
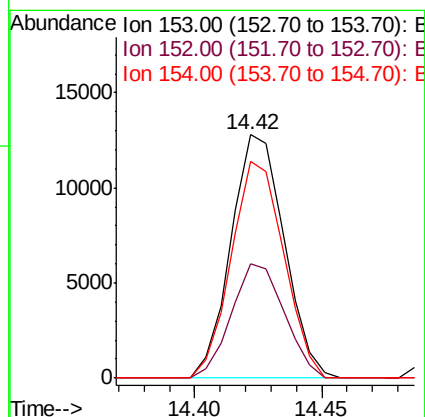
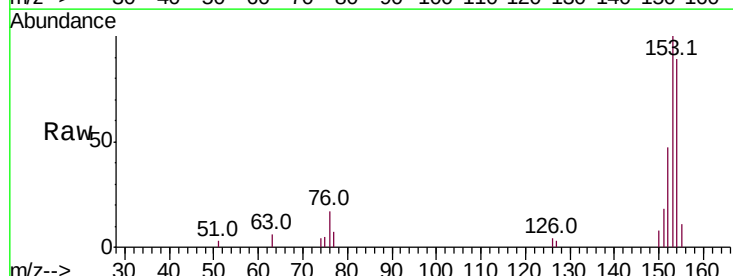
Instrument :
 BNA_N
 ClientSampleId :
 DB649

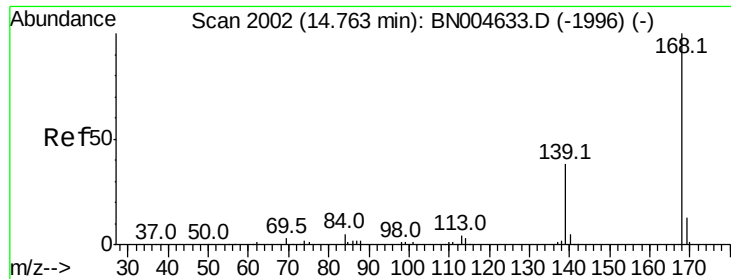
Tot Ion:163 Resp: 35103
 Ion Ratio Lower Upper
 163 100
 194 4.4 3.4 5.2
 164 10.3 7.9 11.9



#50
 Acenaphthene
 Concen: 2.475 ng/ul
 RT: 14.42 min Scan# 1944
 Delta R.T. -0.01 min
 Lab File: BN004657.D
 Acq: 08 Mar 2019 03:05

Tgt Ion:153 Resp: 18704
 Ion Ratio Lower Upper
 153 100
 152 47.1 37.8 56.6
 154 89.0 70.0 105.0





#54

Dibenzenofuran

Concen: 1.341 ng/ul

RT: 14.76 min Scan# 2002

Delta R.T. 0.00 min

Lab File: BN004657.D

Acq: 08 Mar 2019 03:05

Instrument :

BNA_N

ClientSampled :

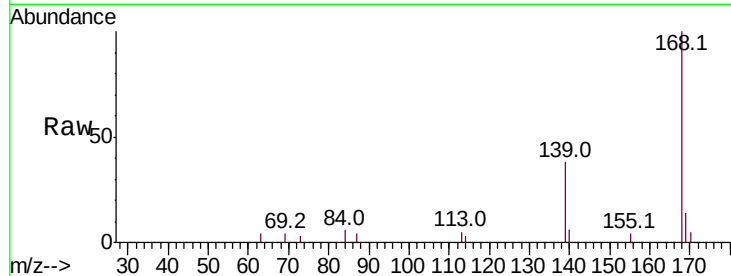
DB649

Tot Ion:168 Resp: 14555

Ion Ratio Lower Upper

168 100

139 38.2 29.8 44.6

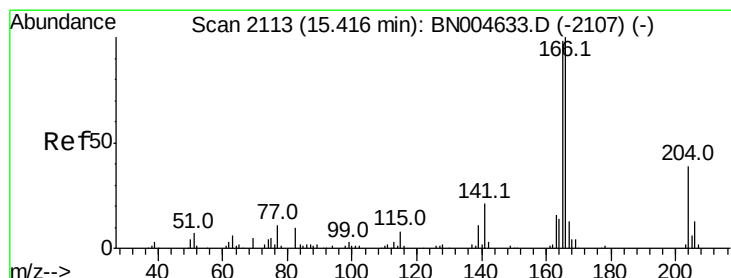
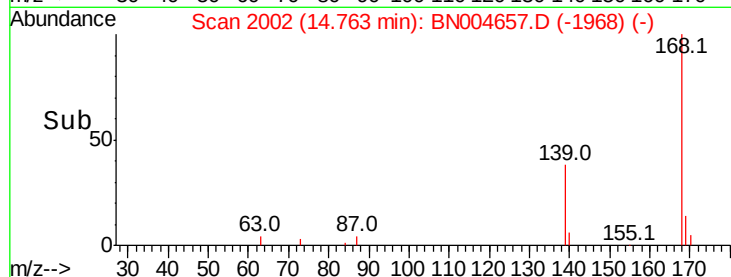


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.76

Time-->



#59

Fluorene

Concen: 2.225 ng/ul

RT: 15.41 min Scan# 2112

Delta R.T. -0.01 min

Lab File: BN004657.D

Acq: 08 Mar 2019 03:05

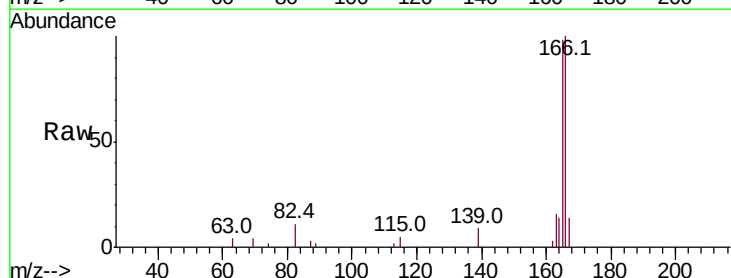
Tgt Ion:166 Resp: 19380

Ion Ratio Lower Upper

166 100

165 98.0 78.0 117.0

167 14.0 10.8 16.2



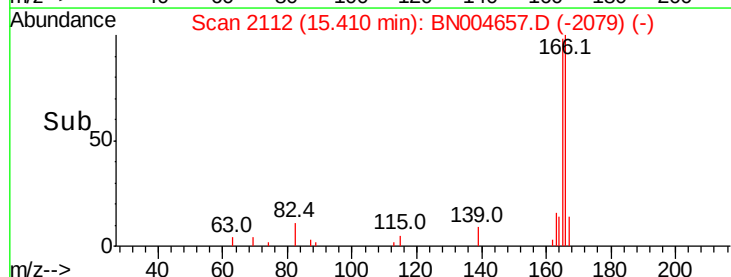
Abundance Ion 166.00 (165.70 to 166.70): E

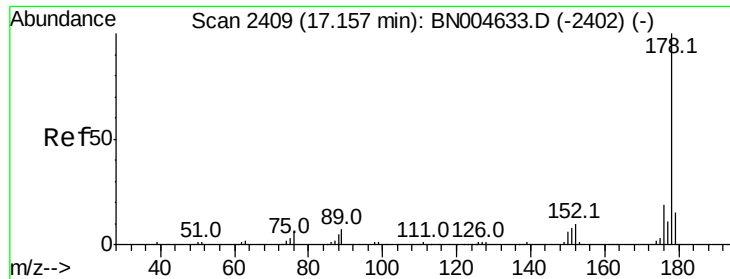
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.41

Time-->





#70

Phenanthrene

Concen: 17.167 ng/ul

RT: 17.15 min Scan# 2408

Delta R.T. -0.01 min

Lab File: BN004657.D

Acq: 08 Mar 2019 03:05

Instrument :

BNA_N

ClientSampleId :

DB649

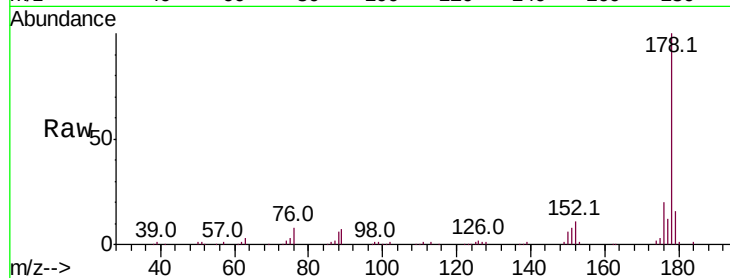
Tot Ion:178 Resp: 241010

Ion Ratio Lower Upper

178 100

179 15.8 12.3 18.5

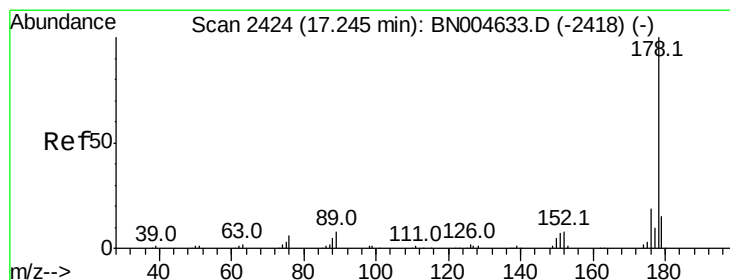
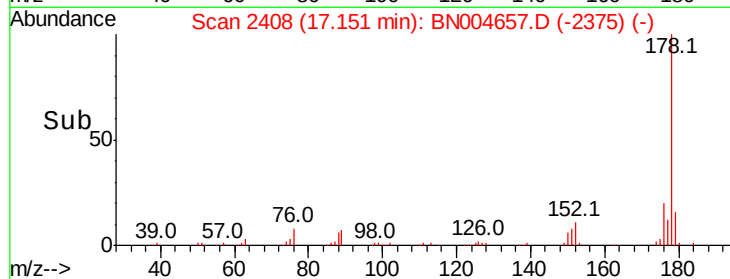
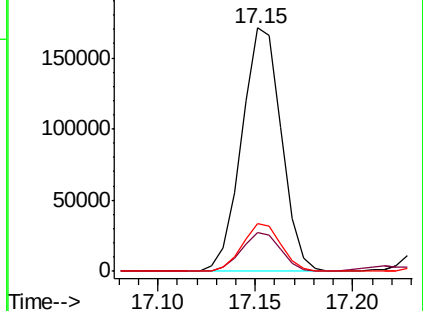
176 19.7 15.4 23.0



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



#72

Anthracene

Concen: 4.643 ng/ul

RT: 17.25 min Scan# 2424

Delta R.T. 0.00 min

Lab File: BN004657.D

Acq: 08 Mar 2019 03:05

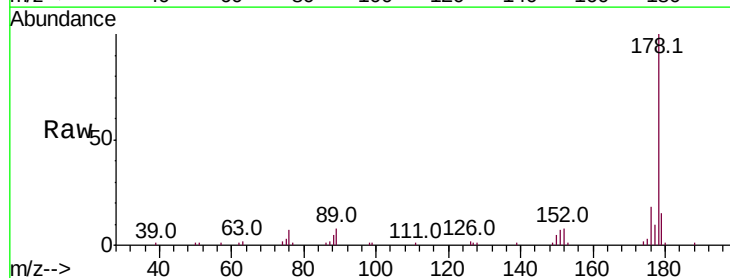
Tgt Ion:178 Resp: 66596

Ion Ratio Lower Upper

178 100

179 15.1 12.2 18.4

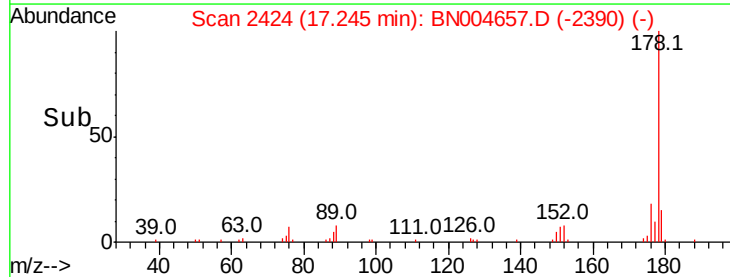
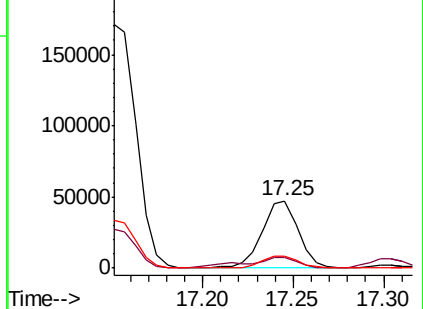
176 18.1 14.9 22.3

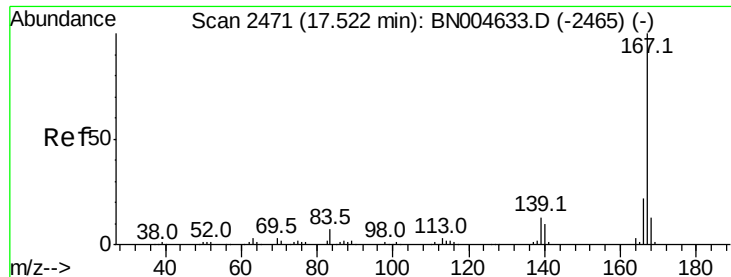


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

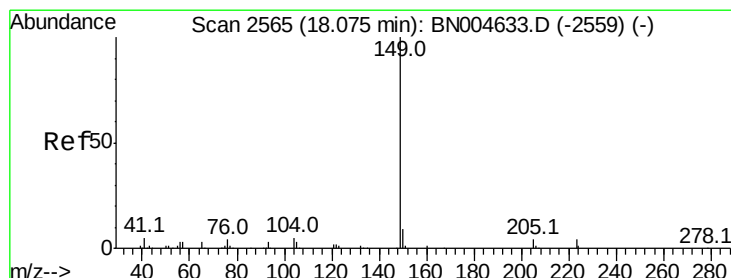
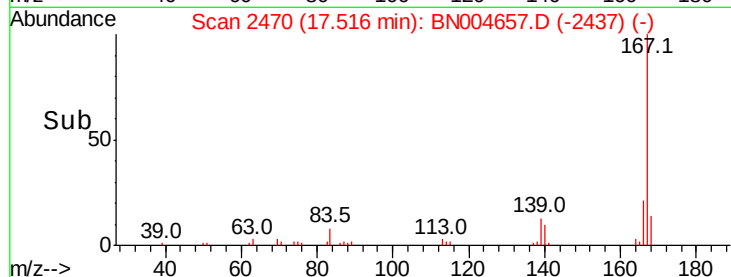
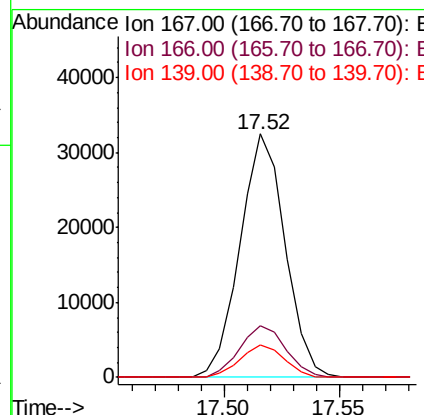
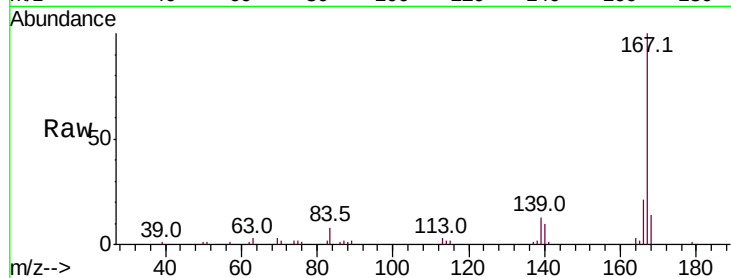




#75
 Carbazole
 Concen: 3.549 ng/ul
 RT: 17.52 min Scan# 2470
 Delta R.T. -0.01 min
 Lab File: BN004657.D
 Acq: 08 Mar 2019 03:05

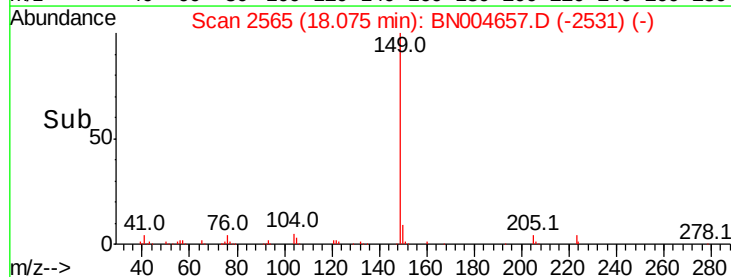
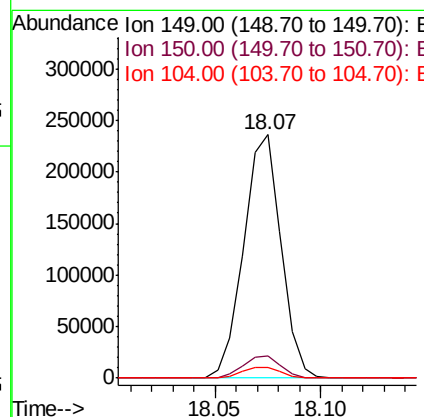
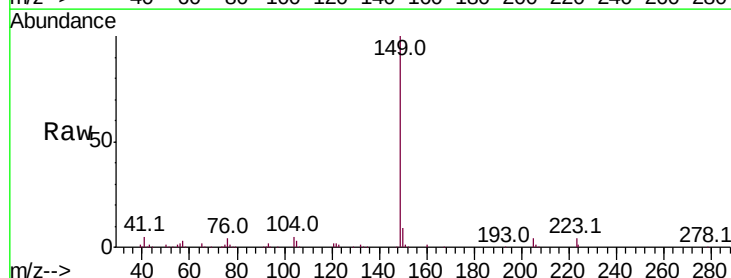
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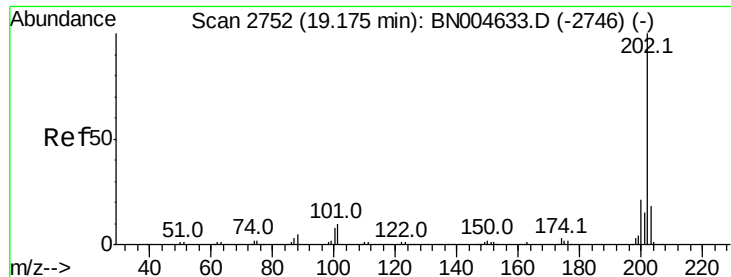
Tot Ion:167 Resp: 44212
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.5 26.3
 139 13.1 10.4 15.6



#76
 Di-n-butylphthalate
 Concen: 18.695 ng/ul
 RT: 18.07 min Scan# 2565
 Delta R.T. 0.00 min
 Lab File: BN004657.D
 Acq: 08 Mar 2019 03:05

Tgt Ion:149 Resp: 288805
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.0
 104 4.6 3.7 5.5

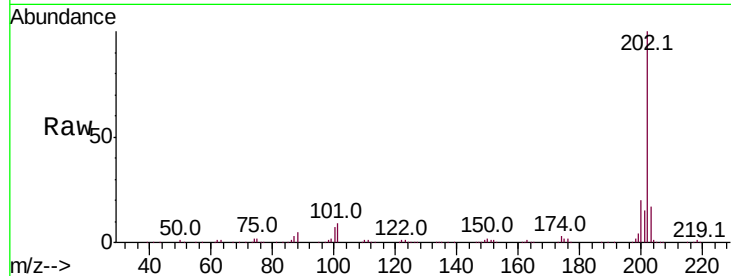




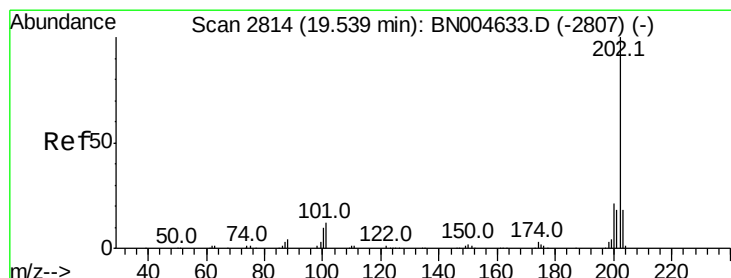
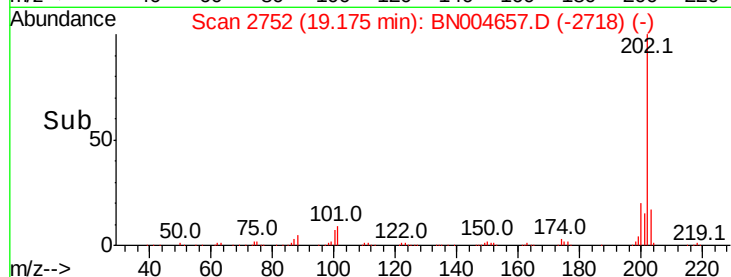
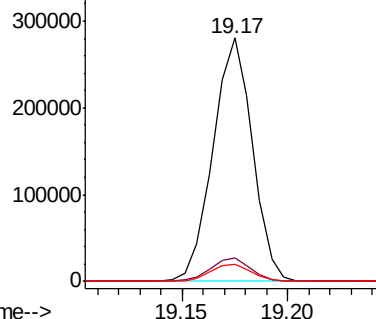
#77
Fluoranthene
Concen: 22.446 ng/ul
RT: 19.17 min Scan# 2752
Delta R.T. 0.00 min
Lab File: BN004657.D
Acq: 08 Mar 2019 03:05

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Tot Ion	Ratio	Lower	Upper
202	100		
101	9.4	8.2	12.4
100	7.2	6.6	9.8

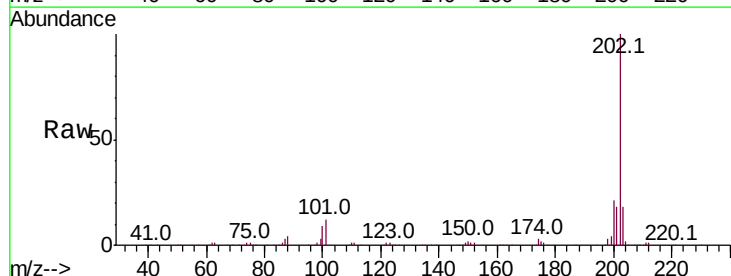


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

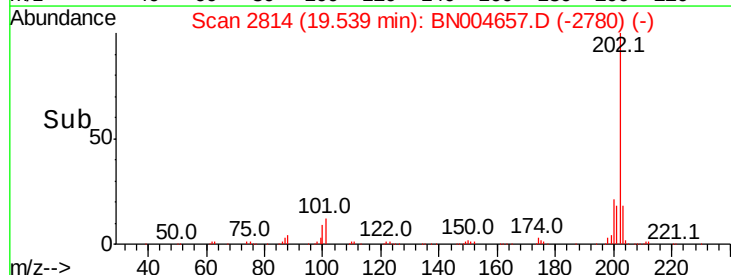
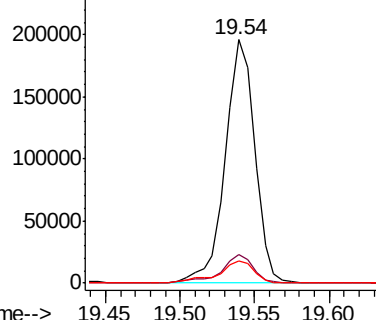


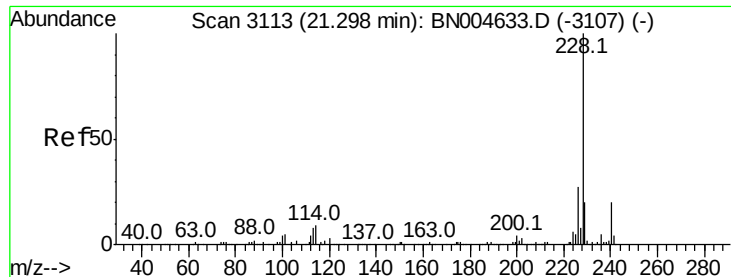
#80
Pyrene
Concen: 17.464 ng/ul
RT: 19.54 min Scan# 2814
Delta R.T. 0.00 min
Lab File: BN004657.D
Acq: 08 Mar 2019 03:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.2	13.8
100	9.3	7.5	11.3



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





#83

Benzo(a)anthracene

Concen: 10.851 ng/ul

RT: 21.29 min Scan# 3112

Delta R.T. -0.01 min

Lab File: BN004657.D

Acq: 08 Mar 2019 03:05

Instrument :

BNA_N

ClientSampleId :

DB649

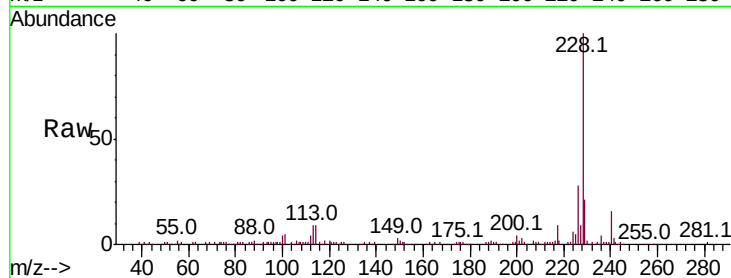
Tot Ion:228 Resp: 172821

Ion Ratio Lower Upper

228 100

229 20.7 15.4 23.2

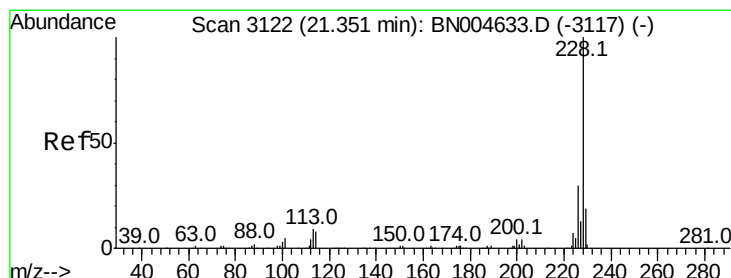
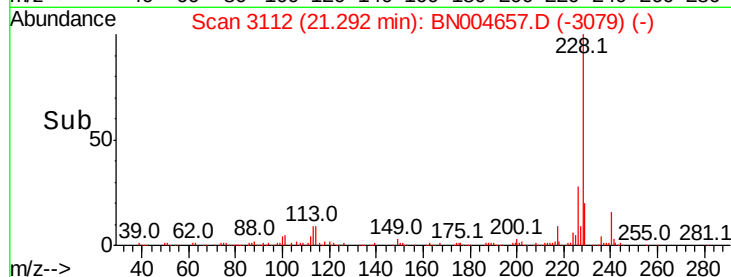
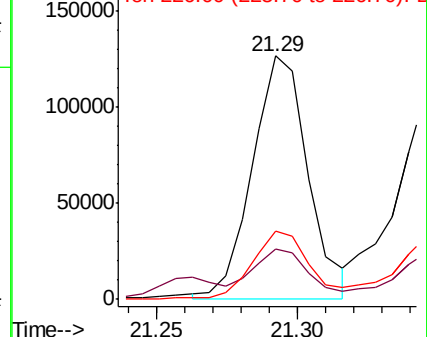
226 28.1 21.4 32.2



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



#85

Chrysene

Concen: 9.944 ng/ul

RT: 21.35 min Scan# 3121

Delta R.T. -0.01 min

Lab File: BN004657.D

Acq: 08 Mar 2019 03:05

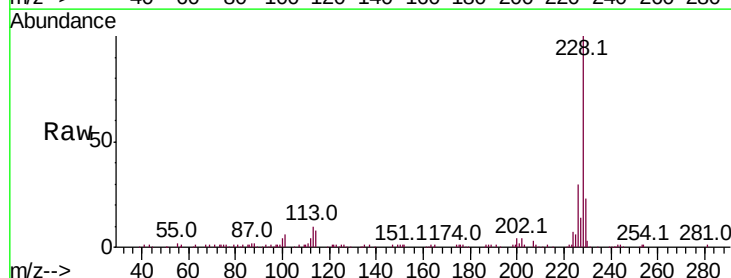
Tgt Ion:228 Resp: 147071

Ion Ratio Lower Upper

228 100

226 30.1 24.0 36.0

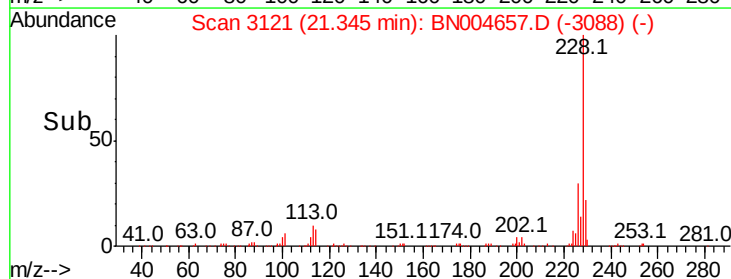
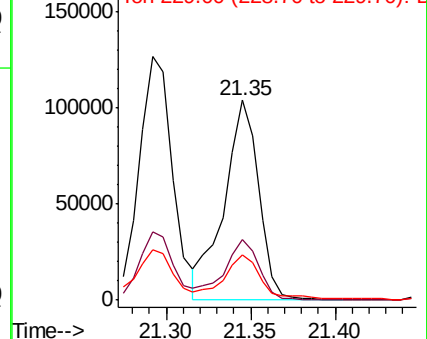
229 22.8 15.7 23.5

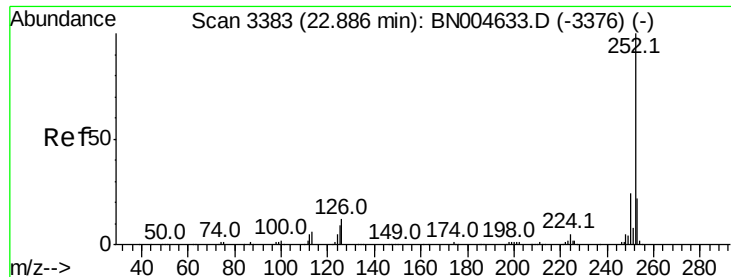


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 13.949 ng/ul

RT: 22.89 min Scan# 3383

Delta R.T. 0.00 min

Lab File: BN004657.D

Acq: 08 Mar 2019 03:05

Instrument :

BNA_N

ClientSampled :

DB649

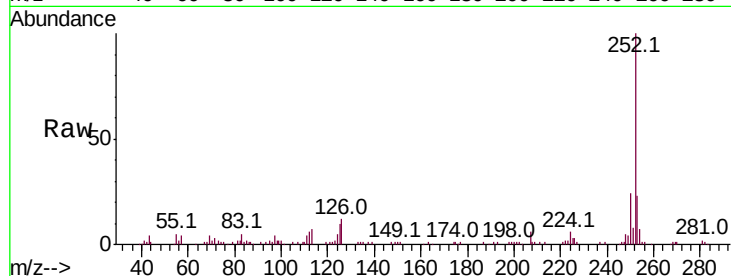
Tot Ion:252 Resp: 185000

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

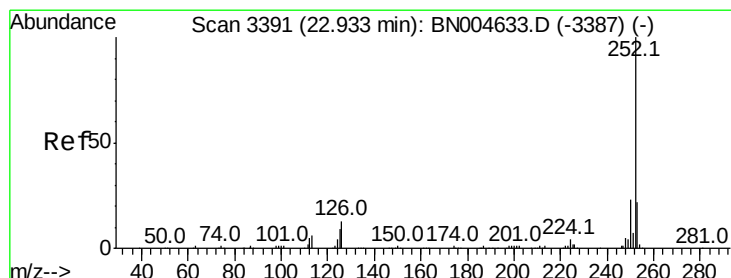
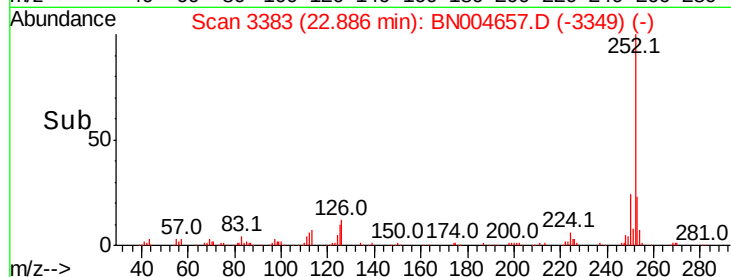
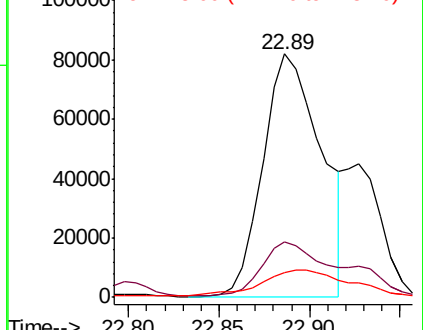
125 10.4 7.4 11.2



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



#89

Benzo(k)fluoranthene

Concen: 14.186 ng/ul

RT: 22.89 min Scan# 3383

Delta R.T. -0.05 min

Lab File: BN004657.D

Acq: 08 Mar 2019 03:05

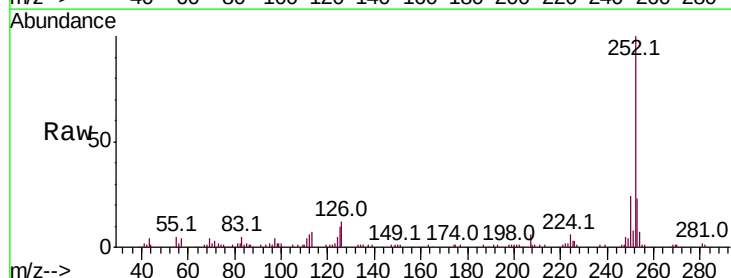
Tgt Ion:252 Resp: 185000

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

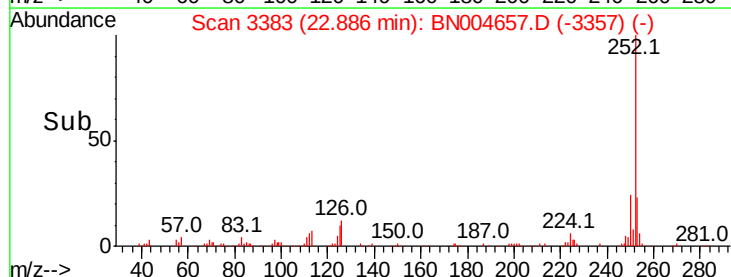
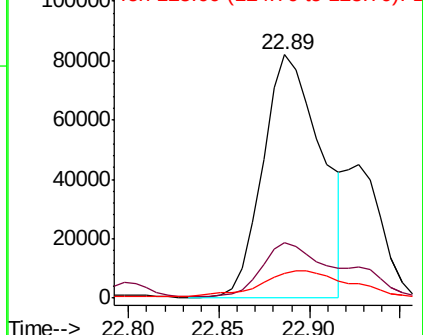
125 10.4 7.4 11.0

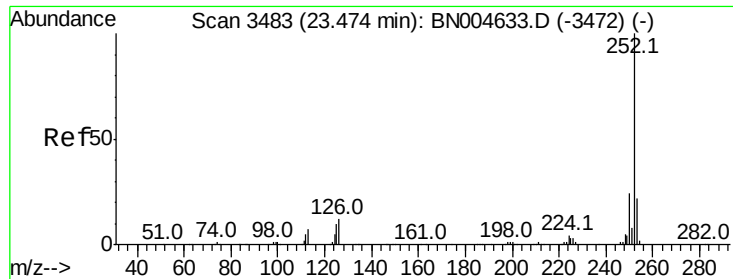


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 9.030 ng/ul

RT: 23.47 min Scan# 3482

Delta R.T. -0.01 min

Lab File: BN004657.D

Acq: 08 Mar 2019 03:05

Instrument :

BNA_N

ClientSampleId :

DB649

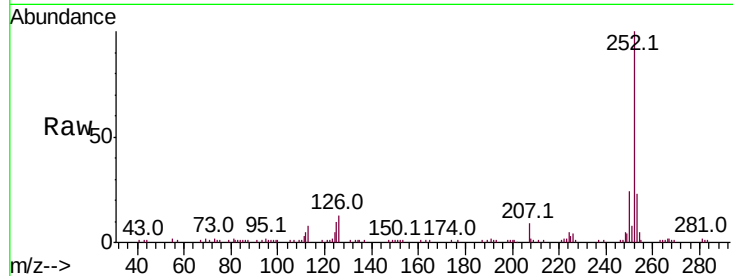
Tot Ion:252 Resp: 112662

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

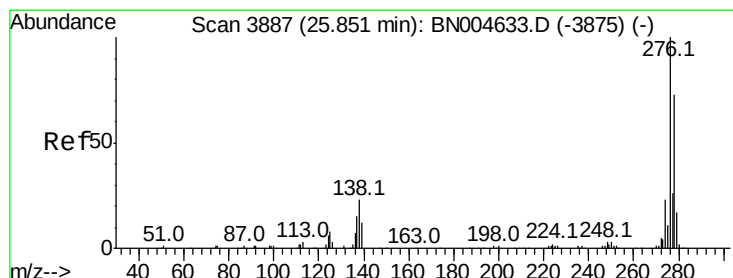
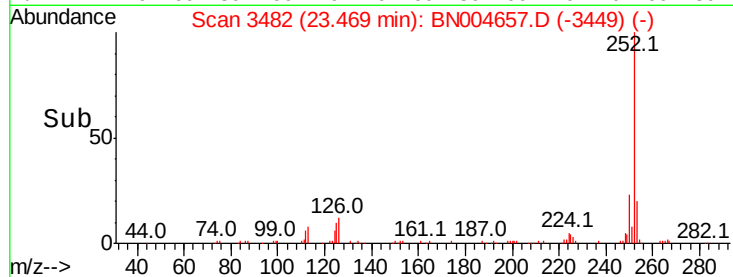
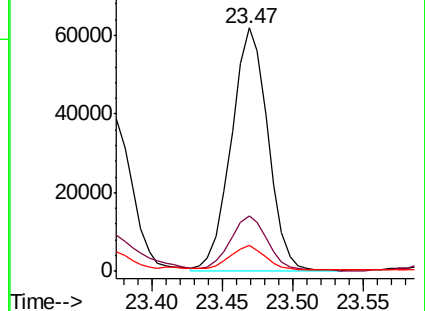
125 10.4 8.4 12.6



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 5.777 ng/ul

RT: 25.84 min Scan# 3886

Delta R.T. -0.01 min

Lab File: BN004657.D

Acq: 08 Mar 2019 03:05

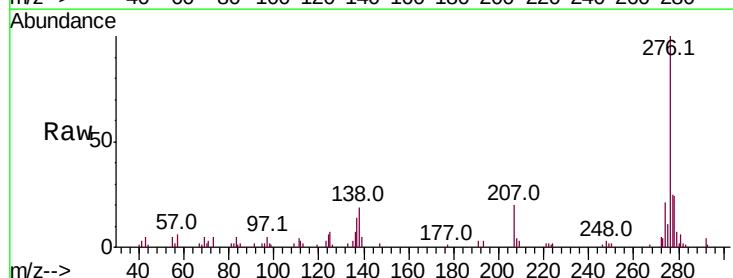
Tgt Ion:276 Resp: 78513

Ion Ratio Lower Upper

276 100

138 18.7 18.7 28.1#

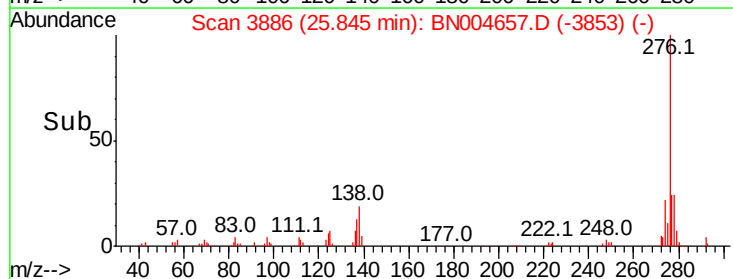
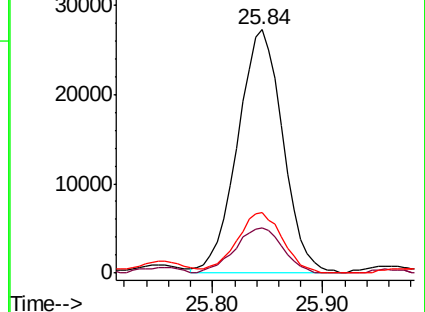
277 24.7 19.8 29.8

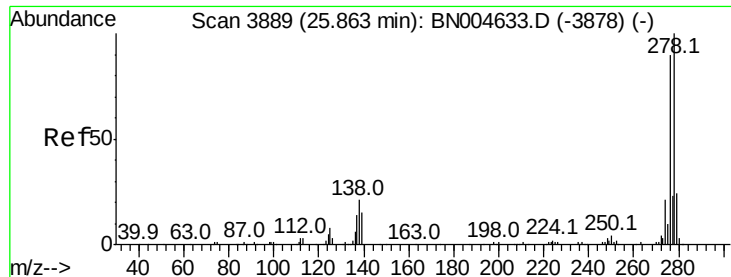


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 2.022 ng/ul

RT: 25.84 min Scan# 3886

Delta R.T. -0.02 min

Lab File: BN004657.D

Acq: 08 Mar 2019 03:05

Instrument :

BNA_N

ClientSampleId :

DB649

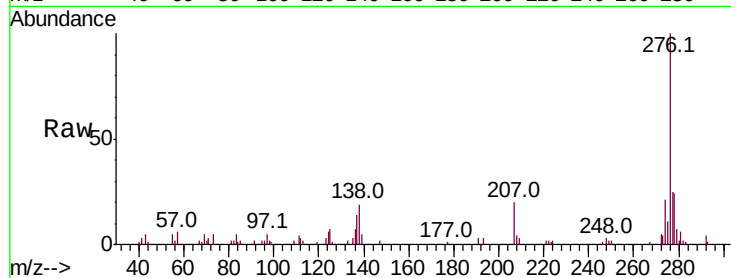
Tot Ion:278 Resp: 23122

Ion Ratio Lower Upper

278 100

139 21.9 12.4 18.6#

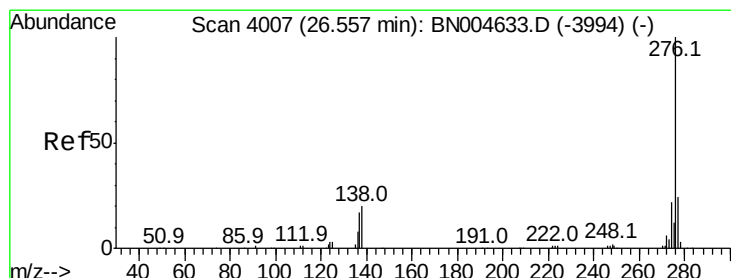
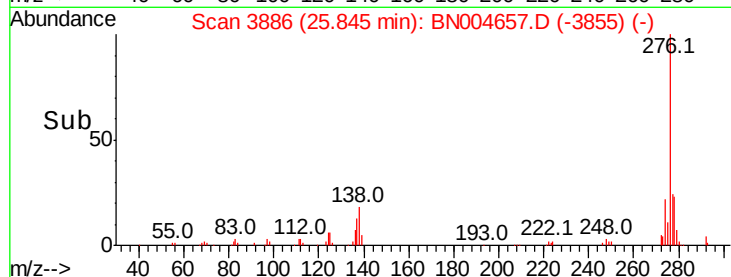
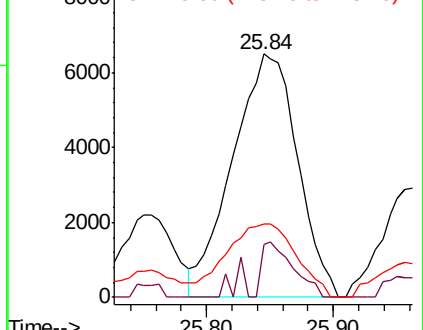
279 30.1 19.3 28.9#



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



#94

Benzo(g,h,i)perylene

Concen: 5.622 ng/ul

RT: 26.54 min Scan# 4005

Delta R.T. -0.01 min

Lab File: BN004657.D

Acq: 08 Mar 2019 03:05

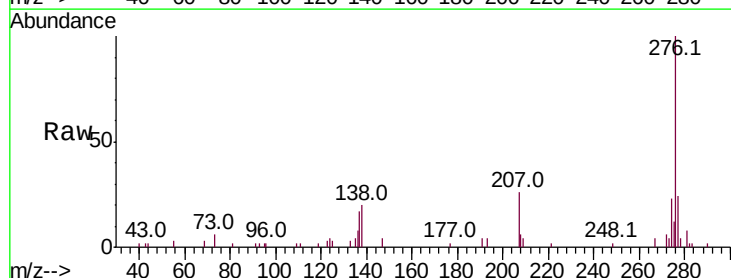
Tgt Ion:276 Resp: 62140

Ion Ratio Lower Upper

276 100

138 19.7 16.7 25.1

277 23.9 19.0 28.6



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

