

Data File : BN005992.D
Acq On : 31 May 2019 22:20
Operator : JU/SJ
Sample : K2928-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A42C5

Quant Time: Jun 01 01:54:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jun 01 01:49:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	534310	20.00	ng/ul	0.00
18) Naphthalene-d8	10.54	136	2122562	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.41	164	1016004	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	1876620	20.00	ng/ul	0.00
77) Chrysene-d12	21.38	240	1482587	20.00	ng/ul	0.00
85) Perylene-d12	23.68	264	1832920	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	36485	3.00	ng/uL	0.01
5) Phenol-d5	6.92	99	669901	14.15	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	430203	15.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.28	132	566802	15.71	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	421762	11.03	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	281272	20.65	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	292067	23.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.16	165	495750	16.55	ng/ul	0.00
29) 4-Chloroaniline-d4	10.67	131	425296	10.83	ng/ul	0.00
43) Dimethylphthalate-d6	13.81	166	1384657	18.49	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	1622684	17.32	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	141868	10.41	ng/ul	0.00
57) Fluorene-d10	15.40	176	1059734	16.87	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	20093	2.63	ng/ul	0.00
70) Anthracene-d10	17.26	188	1329681	16.65	ng/ul	0.00
78) Pyrene-d10	19.56	212	1324964	17.70	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.53	264	1342647	16.42	ng/ul	0.00

Target Compounds

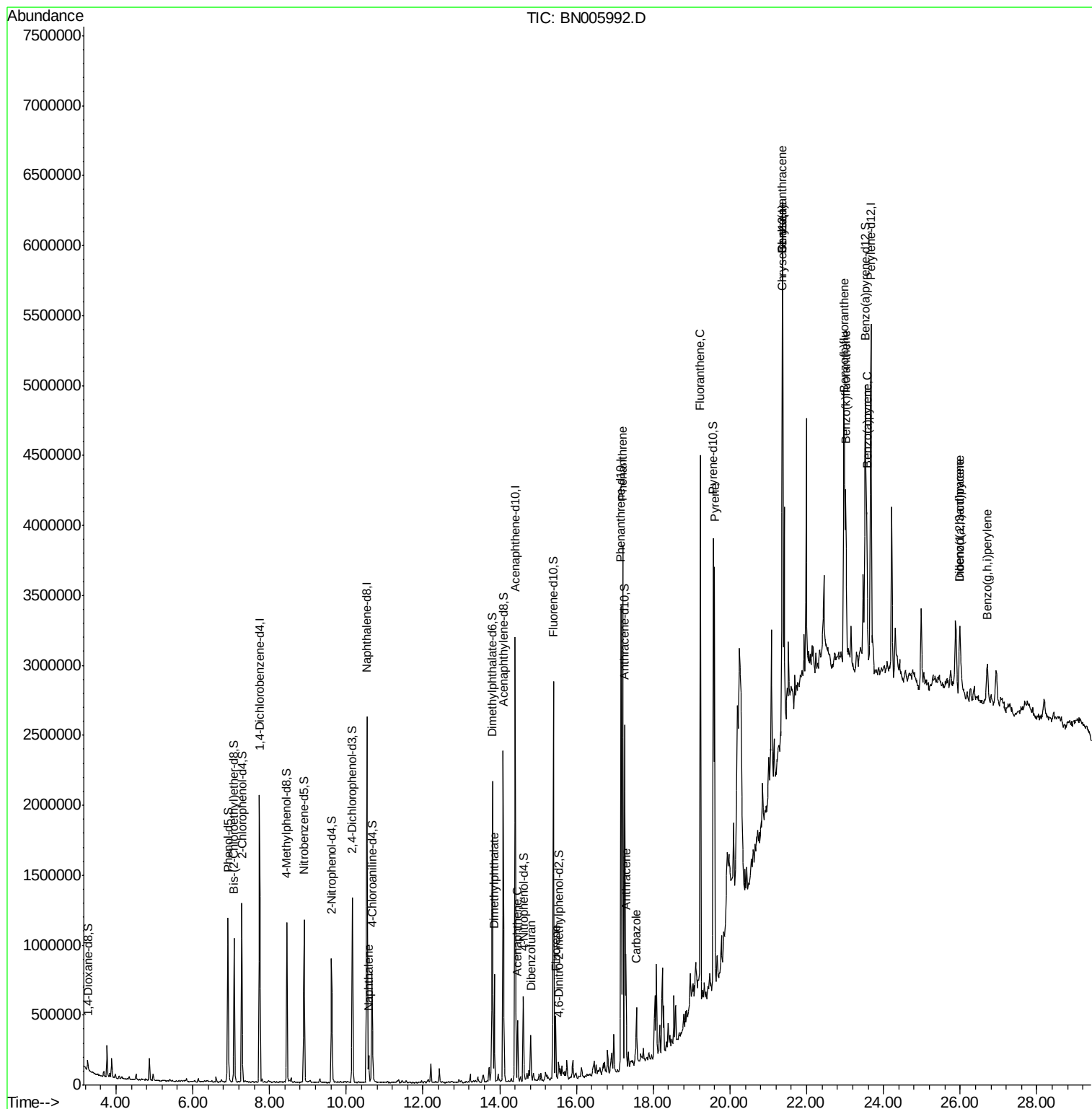
					Qvalue	
28) Naphthalene	10.59	128	150042	1.489	ng/ul	98
44) Dimethylphthalate	13.86	163	479942	6.411	ng/ul	99
49) Acenaphthene	14.47	153	166674	2.670	ng/ul	97
53) Dibenzofuran	14.81	168	171107	1.942	ng/ul	96
58) Fluorene	15.46	166	189262	2.735	ng/ul	94
69) Phenanthrene	17.21	178	2227847	23.961	ng/ul	99
71) Anthracene	17.29	178	501179	5.309	ng/ul	100
74) Carbazole	17.56	167	244541	2.876	ng/ul	100
76) Fluoranthene	19.23	202	2166773	21.830	ng/ul	96
79) Pyrene	19.59	202	1787384	19.032	ng/ul	95
82) Benzo(a)anthracene	21.36	228	885198	9.498	ng/ul	96
84) Chrysene	21.36	228	908831	10.456	ng/ul	96
87) Benzo(b)fluoranthene	22.99	252	998826	9.702	ng/ul#	95
88) Benzo(k)fluoranthene	23.02	252	362419	3.829	ng/ul#	87
90) Benzo(a)pyrene	23.58	252	726962	7.488	ng/ul#	93
91) Indeno(1,2,3-cd)pyrene	25.99	276	475040	4.170	ng/ul	98
92) Dibenzo(a,h)anthracene	25.99	278	136310	1.437	ng/ul#	78
93) Benzo(g,h,i)perylene	26.71	276	368510	3.841	ng/ul#	92

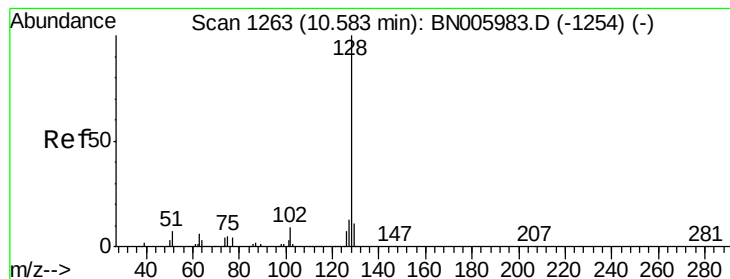
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 1.489 ng/ul

RT: 10.59 min Scan# 1264

Delta R.T. 0.01 min

Lab File: BN005992.D

Acq: 31 May 2019 22:20

Instrument :

BNA_N

ClientSampleId :

A42C5

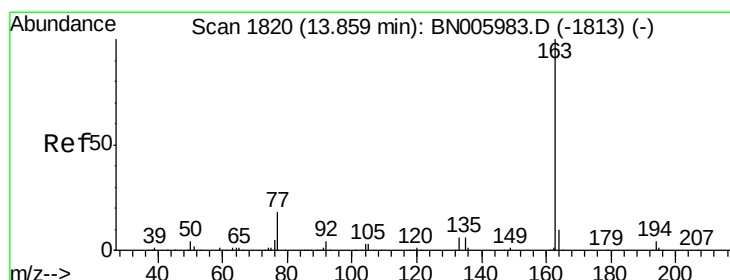
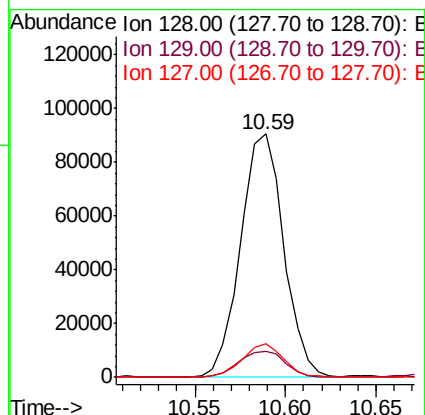
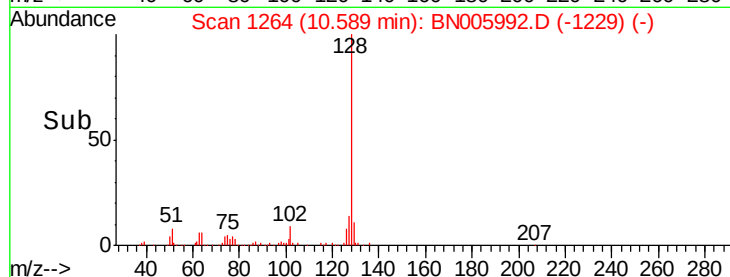
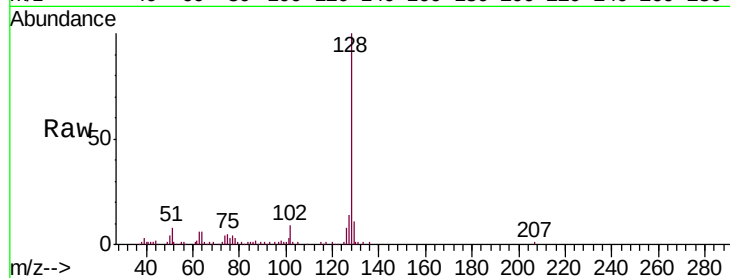
Tgt Ion:128 Resp: 150042

Ion Ratio Lower Upper

128 100

129 10.7 9.2 13.8

127 13.9 10.7 16.1



#44

Dimethylphthalate

Concen: 6.411 ng/ul

RT: 13.86 min Scan# 1820

Delta R.T. 0.00 min

Lab File: BN005992.D

Acq: 31 May 2019 22:20

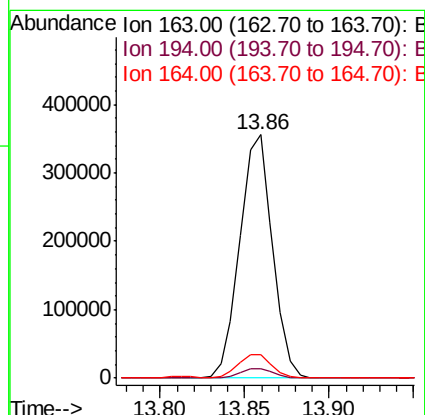
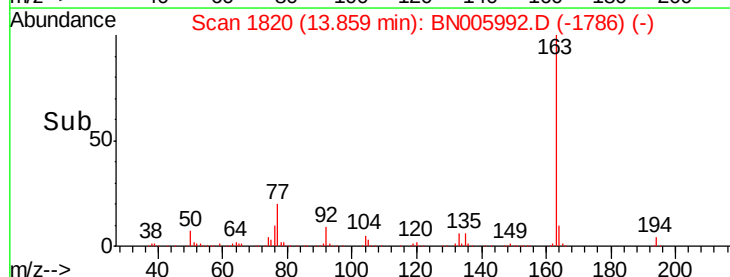
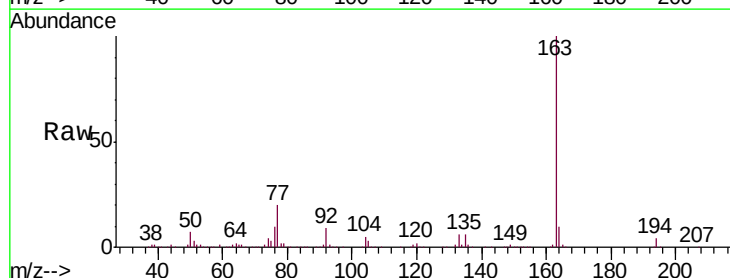
Tgt Ion:163 Resp: 479942

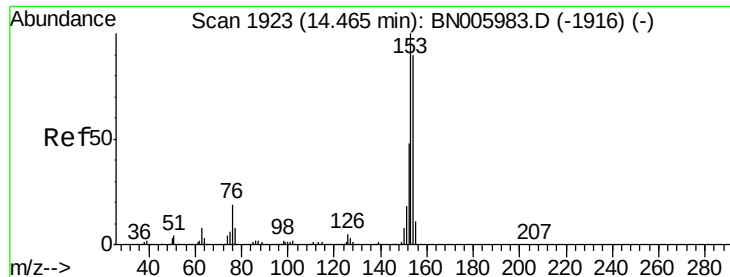
Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

164 9.8 8.1 12.1





#49

Acenaphthene

Concen: 2.670 ng/ul

RT: 14.47 min Scan# 1923

Delta R.T. 0.00 min

Lab File: BN005992.D

Acq: 31 May 2019 22:20

Instrument :

BNA_N

ClientSampleId :

A42C5

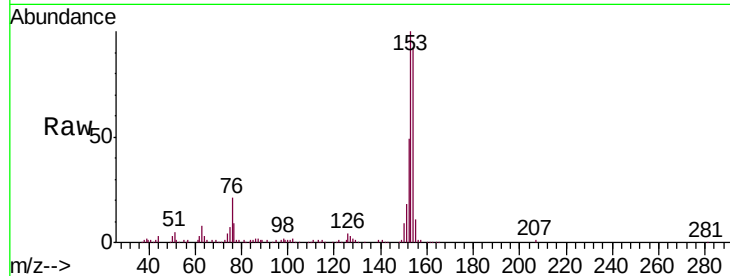
Tgt Ion:153 Resp: 166674

Ion Ratio Lower Upper

153 100

152 49.3 37.4 56.0

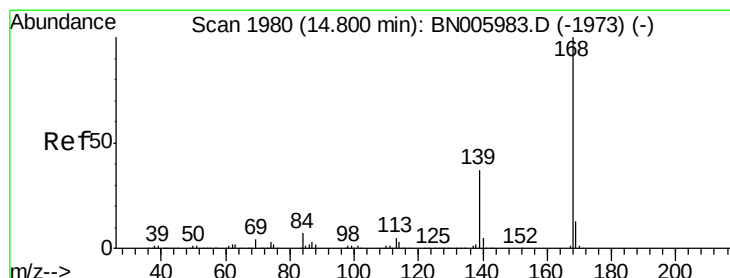
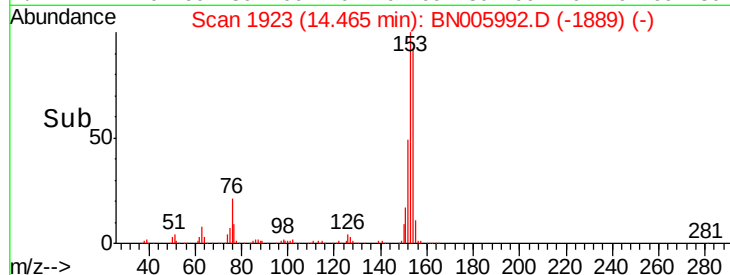
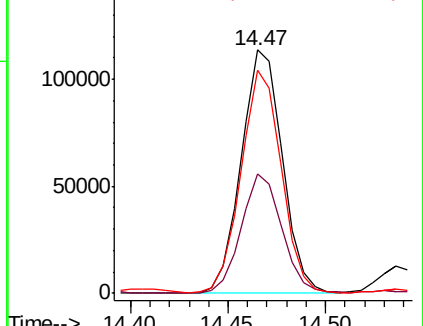
154 91.6 71.2 106.8



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 1.942 ng/ul

RT: 14.81 min Scan# 1981

Delta R.T. 0.01 min

Lab File: BN005992.D

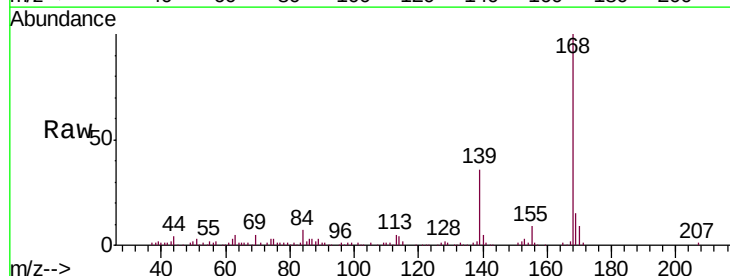
Acq: 31 May 2019 22:20

Tgt Ion:168 Resp: 171107

Ion Ratio Lower Upper

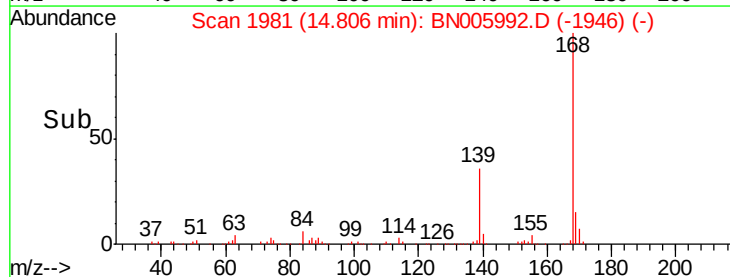
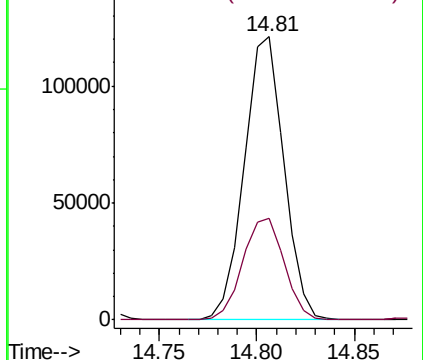
168 100

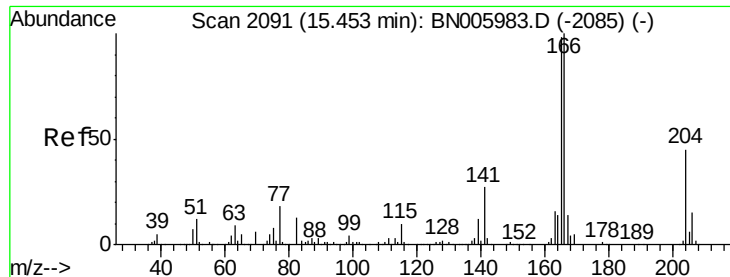
139 36.0 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.735 ng/ul

RT: 15.46 min Scan# 2092

Delta R.T. 0.01 min

Lab File: BN005992.D

Acq: 31 May 2019 22:20

Instrument :

BNA_N

ClientSampleId :

A42C5

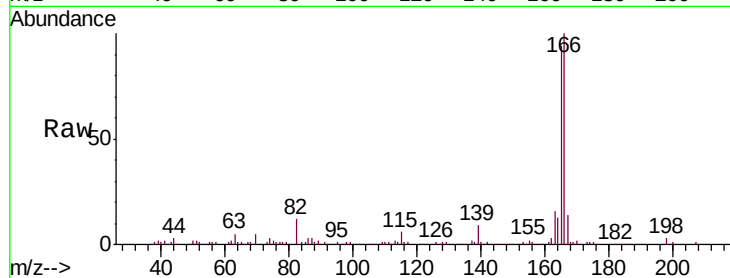
Tgt Ion:166 Resp: 189262

Ion Ratio Lower Upper

166 100

165 93.5 80.0 120.0

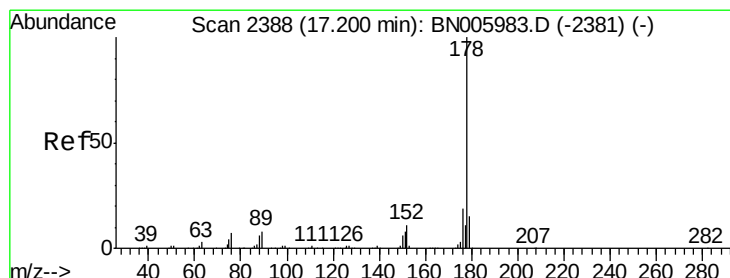
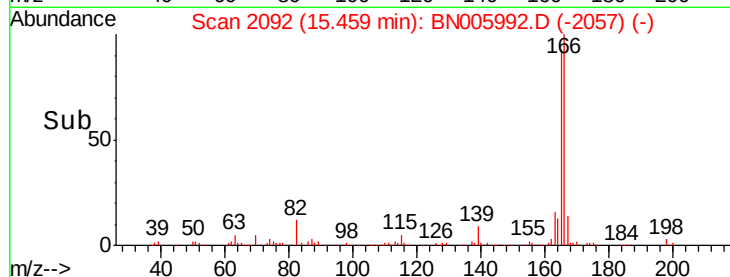
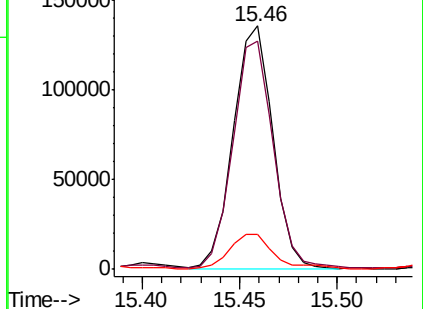
167 14.2 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 23.961 ng/ul

RT: 17.21 min Scan# 2389

Delta R.T. 0.01 min

Lab File: BN005992.D

Acq: 31 May 2019 22:20

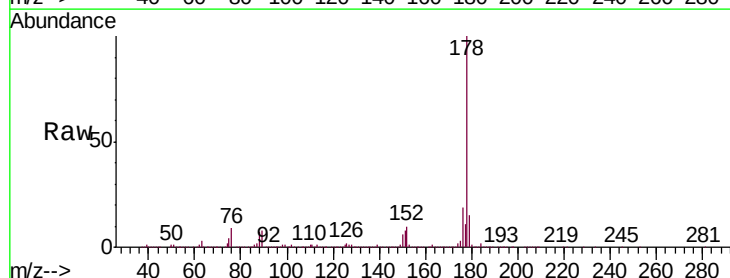
Tgt Ion:178 Resp: 2227847

Ion Ratio Lower Upper

178 100

179 15.0 12.2 18.4

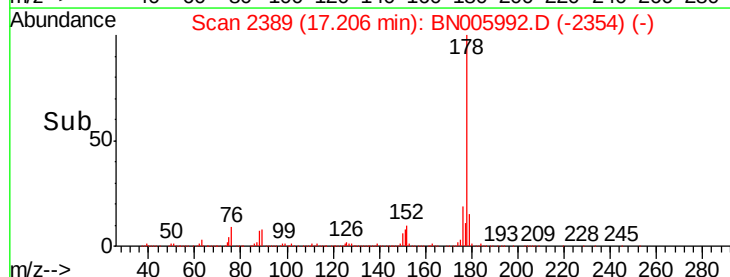
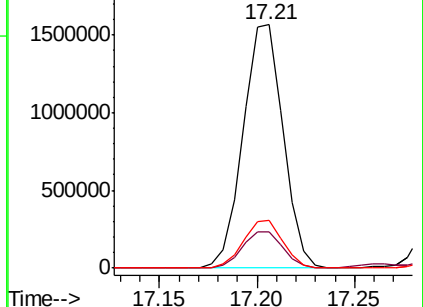
176 19.4 15.1 22.7

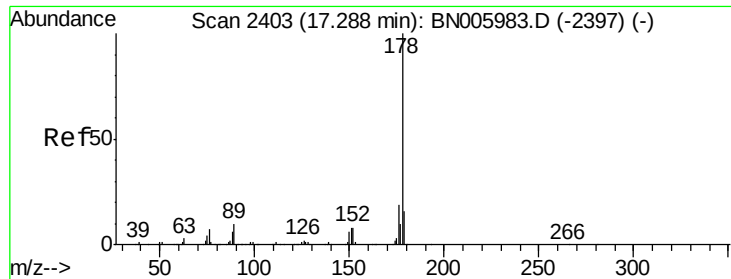


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

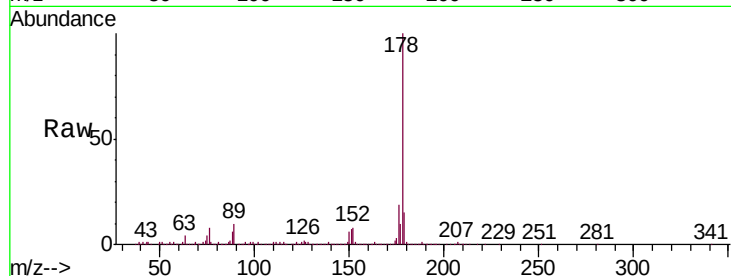




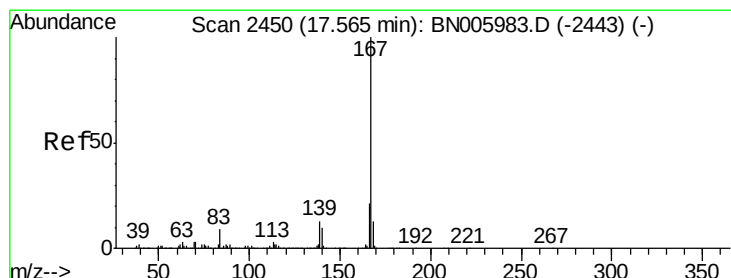
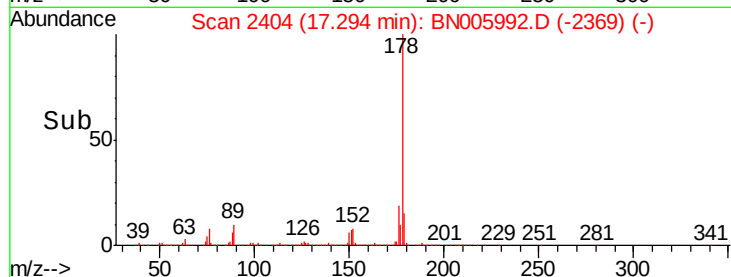
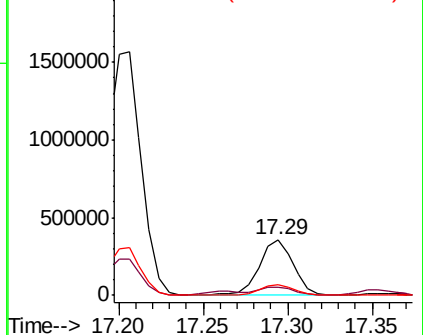
#71
 Anthracene
 Concen: 5.309 ng/ul
 RT: 17.29 min Scan# 2404
 Delta R.T. 0.01 min
 Lab File: BN005992.D
 Acq: 31 May 2019 22:20

Instrument :
 BNA_N
 ClientSampleId :
 A42C5

Tgt Ion:178 Resp: 501179
 Ion Ratio Lower Upper
 178 100
 179 15.2 12.3 18.5
 176 18.7 15.1 22.7

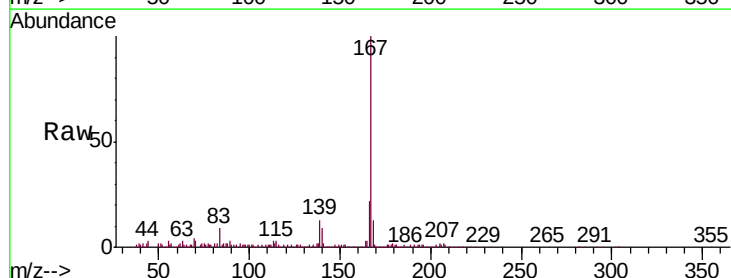


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

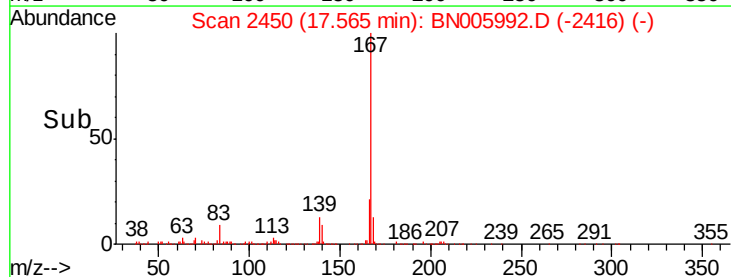
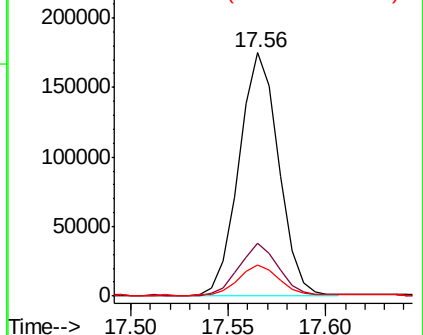


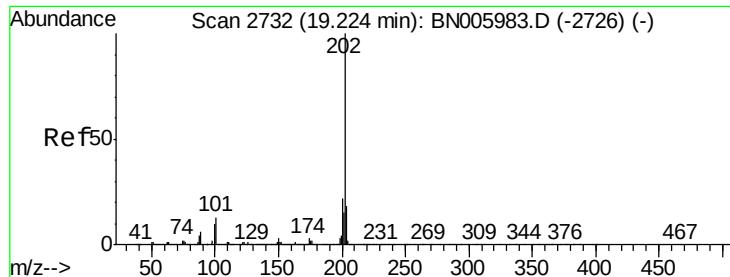
#74
 Carbazole
 Concen: 2.876 ng/ul
 RT: 17.56 min Scan# 2450
 Delta R.T. 0.00 min
 Lab File: BN005992.D
 Acq: 31 May 2019 22:20

Tgt Ion:167 Resp: 244541
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.2 25.8
 139 12.9 10.6 16.0



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

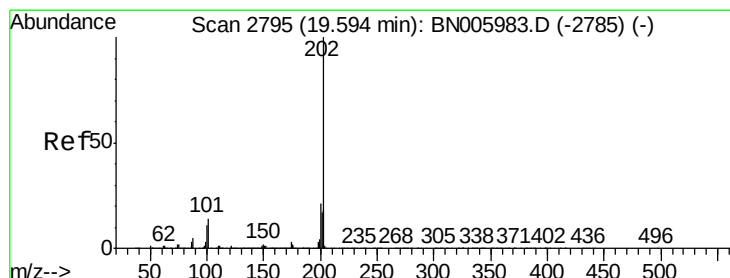
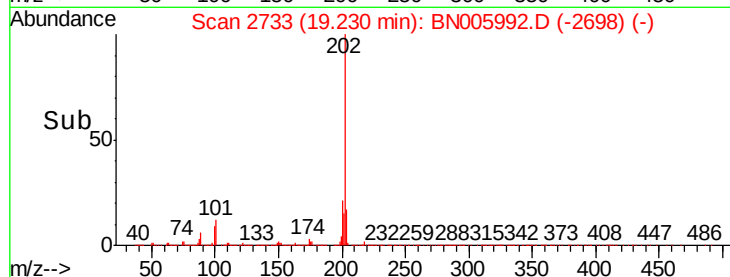
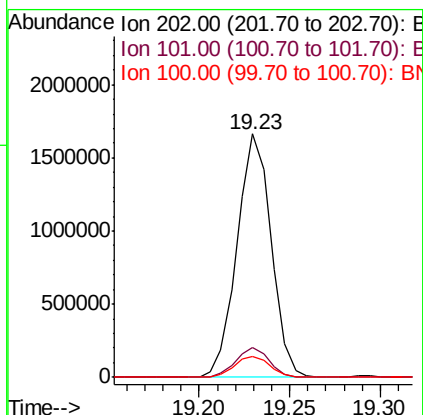
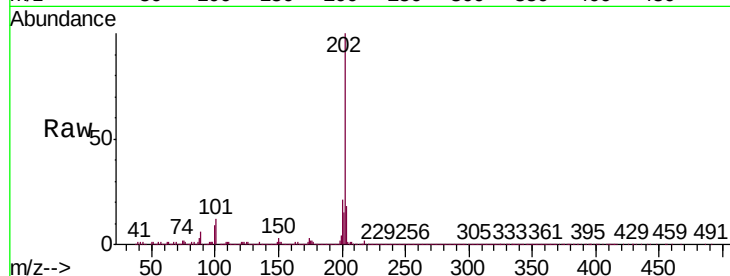




#76
Fluoranthene
Concen: 21.830 ng/ul
RT: 19.23 min Scan# 2733
Delta R.T. 0.01 min
Lab File: BN005992.D
Acq: 31 May 2019 22:20

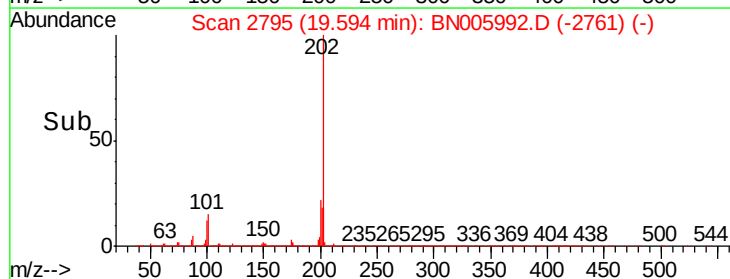
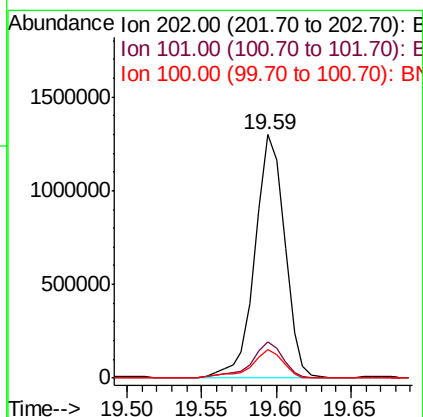
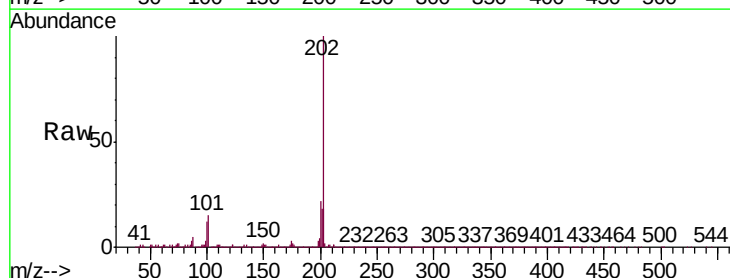
Instrument :
BNA_N
ClientSampleId :
A42C5

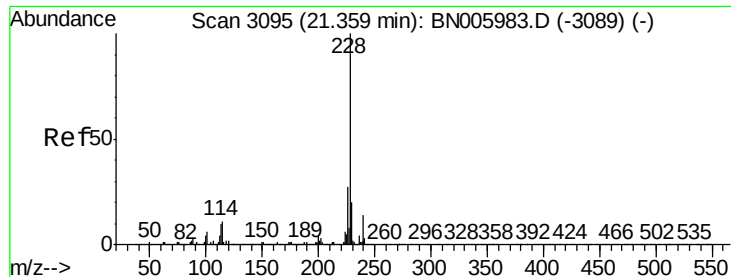
Tgt Ion:202 Resp: 2166773
Ion Ratio Lower Upper
202 100
101 12.3 8.6 12.8
100 8.8 6.3 9.5



#79
Pyrene
Concen: 19.032 ng/ul
RT: 19.59 min Scan# 2795
Delta R.T. 0.00 min
Lab File: BN005992.D
Acq: 31 May 2019 22:20

Tgt Ion:202 Resp: 1787384
Ion Ratio Lower Upper
202 100
101 14.7 10.3 15.5
100 11.6 7.9 11.9





#82

Benzo(a)anthracene

Concen: 9.498 ng/ul

RT: 21.36 min Scan# 3095

Delta R.T. 0.00 min

Lab File: BN005992.D

Acq: 31 May 2019 22:20

Instrument :

BNA_N

ClientSampleId :

A42C5

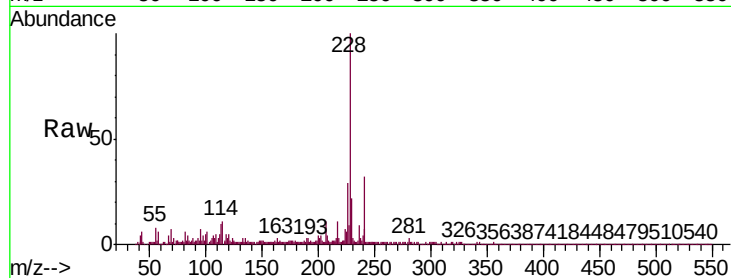
Tgt Ion:228 Resp: 885198

Ion Ratio Lower Upper

228 100

229 21.7 15.8 23.6

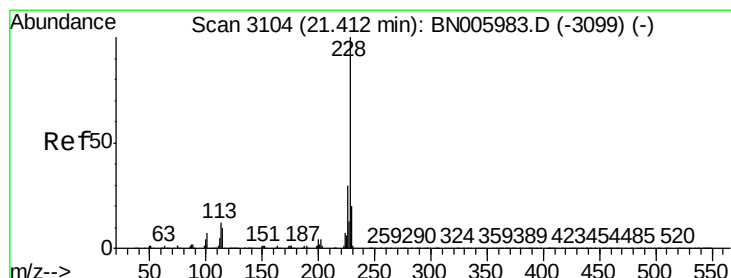
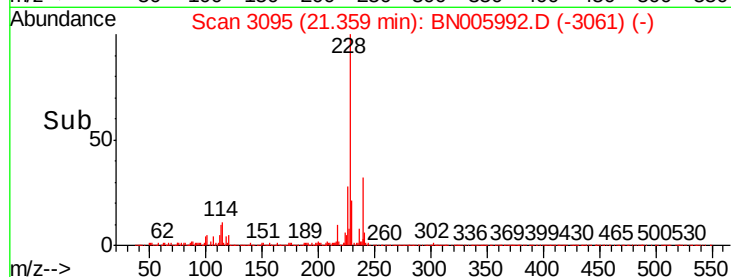
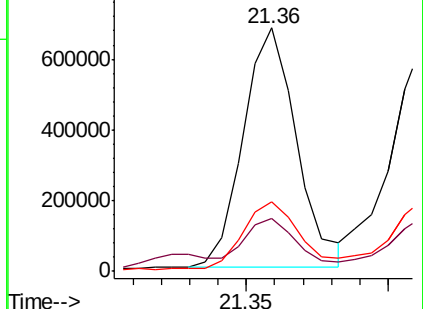
226 28.7 21.4 32.2



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



#84

Chrysene

Concen: 10.456 ng/ul

RT: 21.36 min Scan# 3095

Delta R.T. -0.05 min

Lab File: BN005992.D

Acq: 31 May 2019 22:20

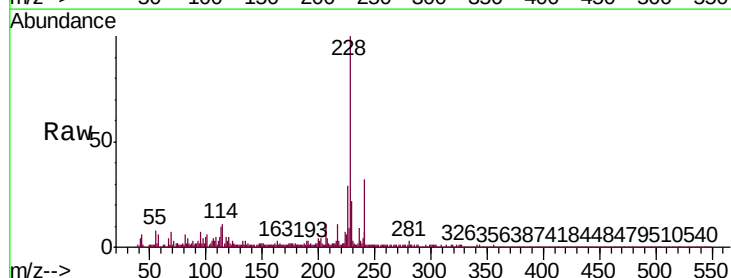
Tgt Ion:228 Resp: 908831

Ion Ratio Lower Upper

228 100

226 28.7 24.0 36.0

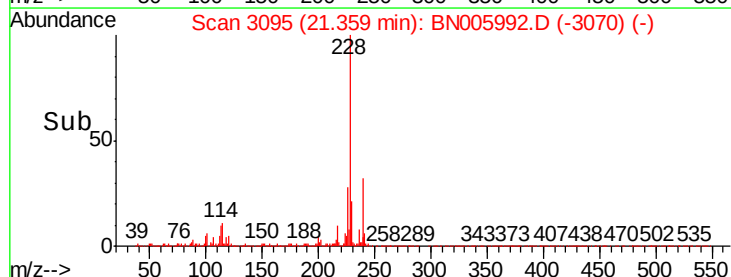
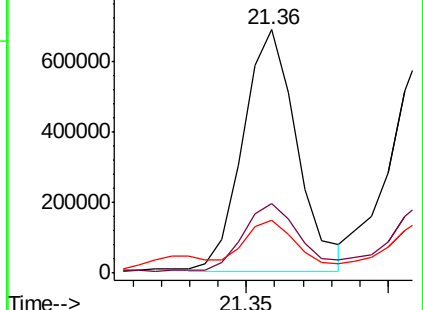
229 21.7 15.4 23.0

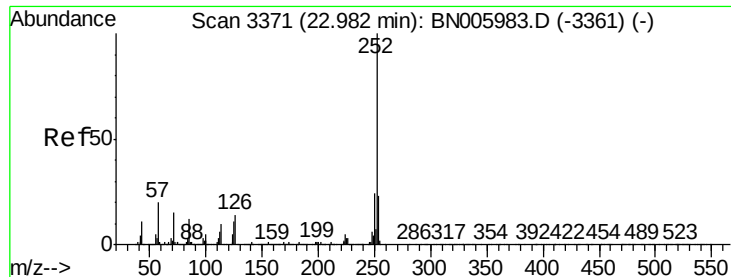


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

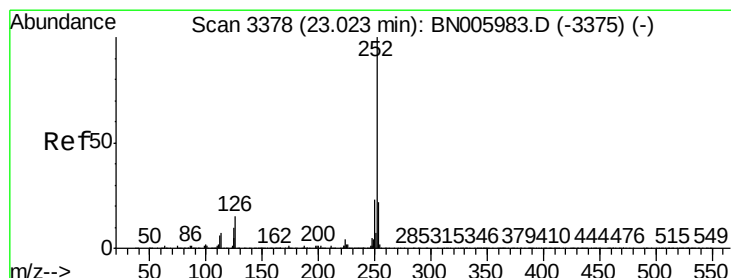
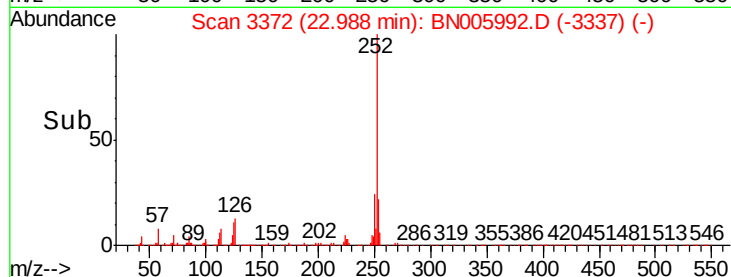
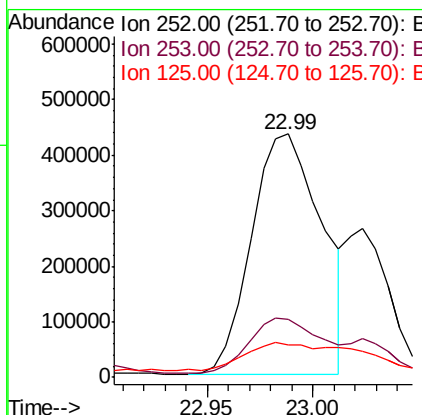
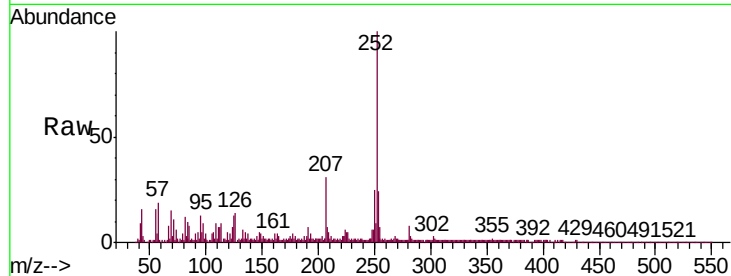




#87
Benzo(b)fluoranthene
Concen: 9.702 ng/ul
RT: 22.99 min Scan# 3372
Delta R.T. 0.01 min
Lab File: BN005992.D
Acq: 31 May 2019 22:20

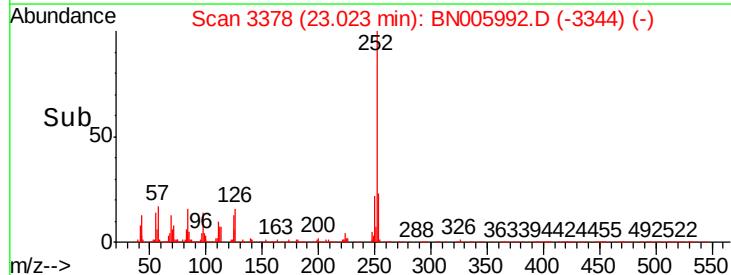
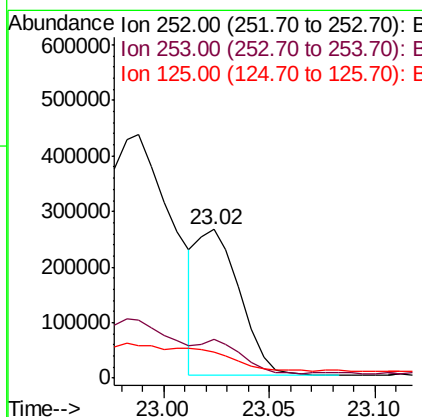
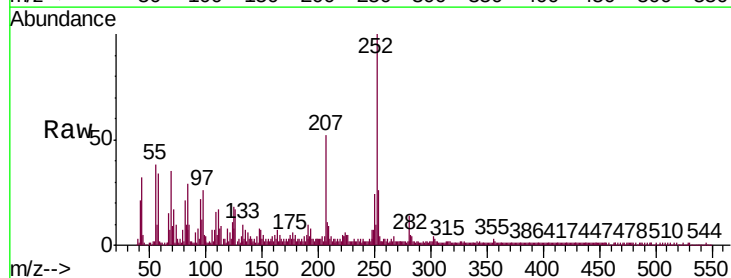
Instrument :
BNA_N
ClientSampleId :
A42C5

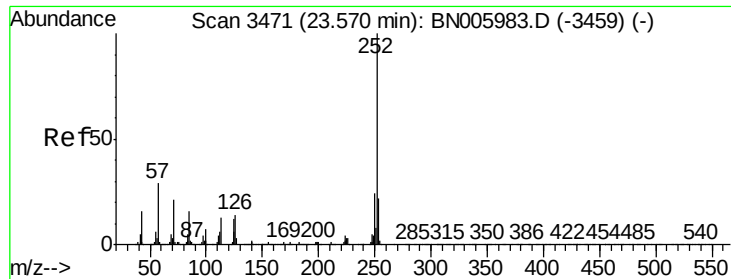
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.7	26.5
125	13.4	8.4	12.6#



#88
Benzo(k)fluoranthene
Concen: 3.829 ng/ul
RT: 23.02 min Scan# 3378
Delta R.T. 0.00 min
Lab File: BN005992.D
Acq: 31 May 2019 22:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.4	26.0
125	17.6	7.5	11.3#





#90

Benzo(a)pyrene

Concen: 7.488 ng/ul

RT: 23.58 min Scan# 3472

Delta R.T. 0.01 min

Lab File: BN005992.D

Acq: 31 May 2019 22:20

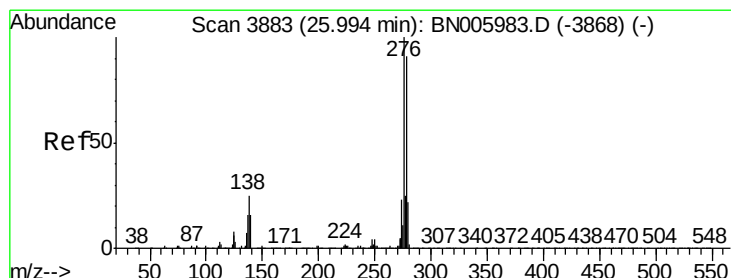
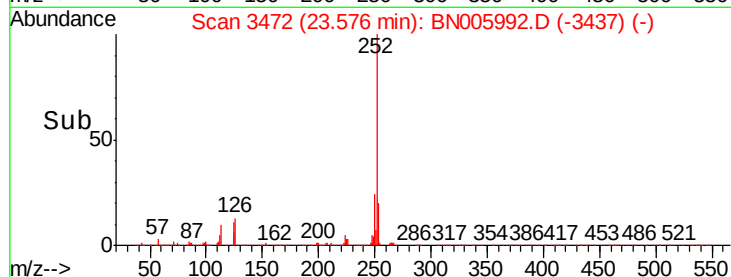
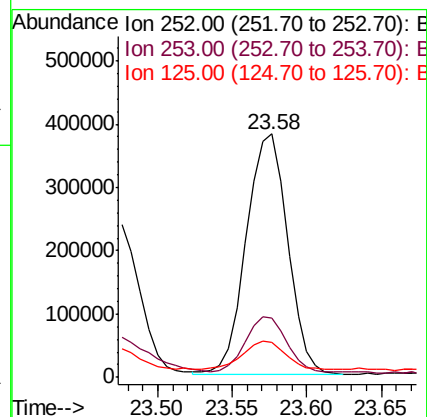
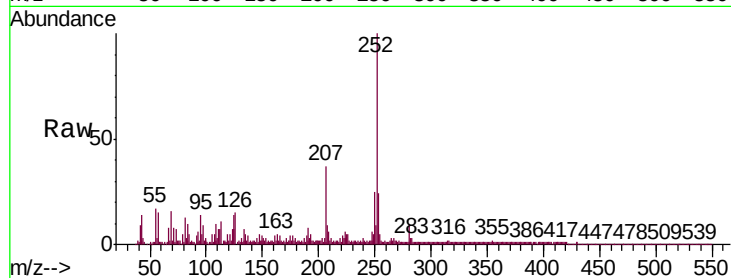
Instrument :

BNA_N

ClientSampleId :

A42C5

Tgt Ion:	252	Resp:	726962
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.3	25.9
125	14.2	8.6	13.0#



#91

Indeno(1,2,3-cd)pyrene

Concen: 4.170 ng/ul

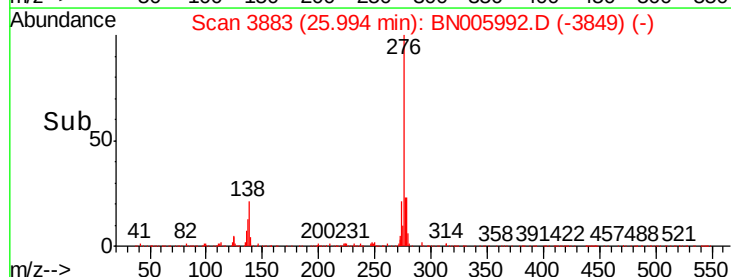
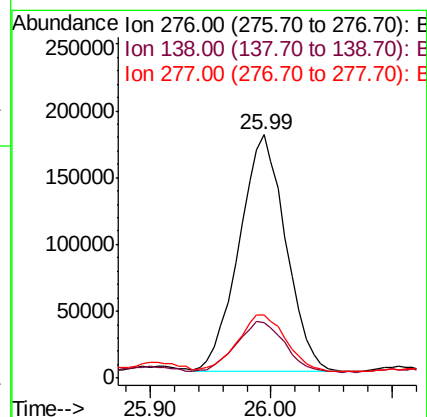
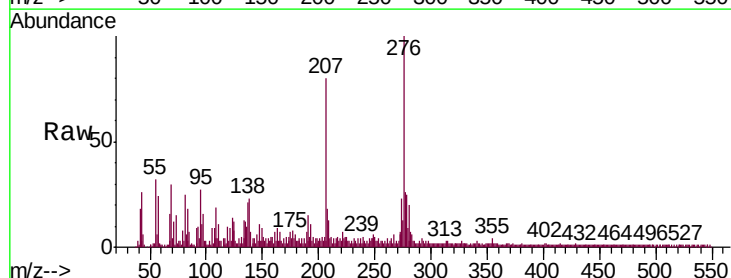
RT: 25.99 min Scan# 3883

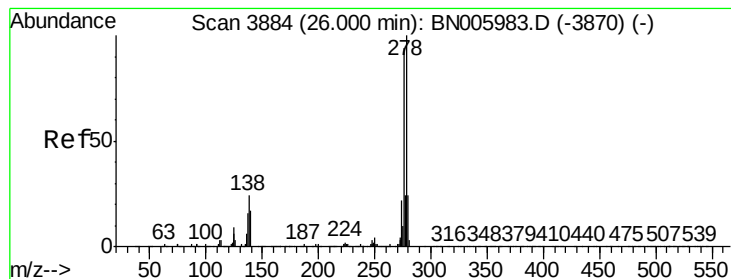
Delta R.T. 0.00 min

Lab File: BN005992.D

Acq: 31 May 2019 22:20

Tgt Ion:	276	Resp:	475040
Ion Ratio	Lower	Upper	
276	100		
138	23.0	17.9	26.9
277	25.8	19.7	29.5





#92

Dibenzo(a,h)anthracene

Concen: 1.437 ng/ul

RT: 25.99 min Scan# 3883

Delta R.T. -0.01 min

Lab File: BN005992.D

Acq: 31 May 2019 22:20

Instrument :

BNA_N

ClientSampleId :

A42C5

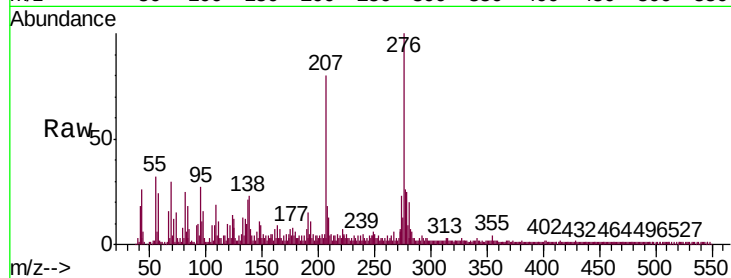
Tgt Ion:278 Resp: 136310

Ion Ratio Lower Upper

278 100

139 26.9 13.1 19.7#

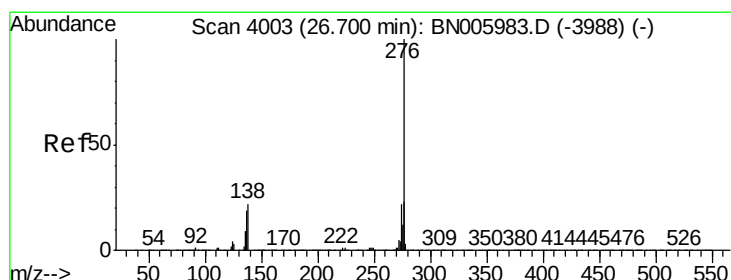
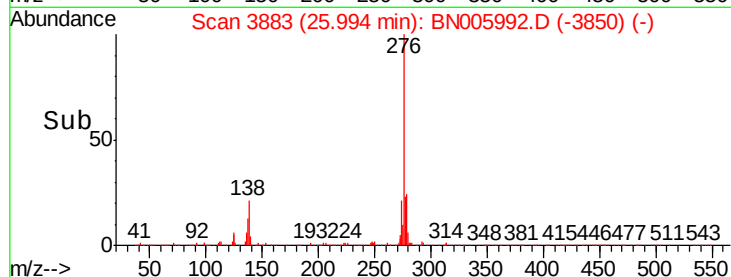
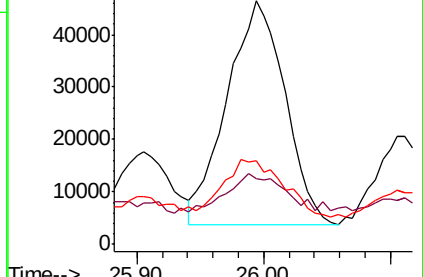
279 34.3 19.4 29.0#



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: 3.841 ng/ul

RT: 26.71 min Scan# 4004

Delta R.T. 0.01 min

Lab File: BN005992.D

Acq: 31 May 2019 22:20

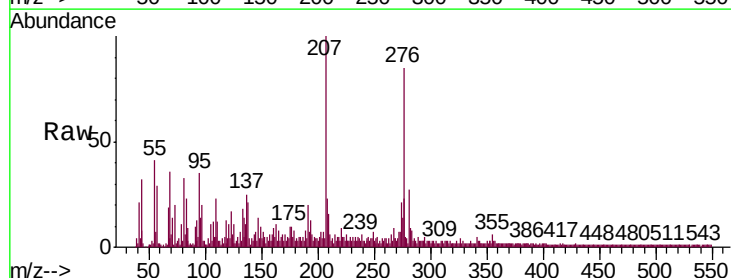
Tgt Ion:276 Resp: 368510

Ion Ratio Lower Upper

276 100

138 24.2 16.7 25.1

277 27.3 18.2 27.2#



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

