

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
 Data File : BN005355.D
 Acq On : 29 Apr 2019 17:26
 Operator : JU/SJ
 Sample : K2456-10DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 30 00:53:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 25 03:19:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	292308	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1212767	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	695679	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.98	188	1510579	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	1434392	20.00	ng/ul	-0.02
85) Perylene-d12	23.42	264	1695866	20.00	ng/ul	-0.02

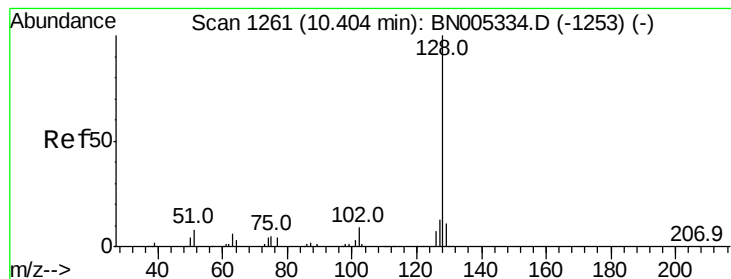
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	5231	0.86	ng/uL	0.00
5) Phenol-d5	6.78	99	83584	3.64	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	53656	3.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	71976	4.10	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	67023	3.73	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	36710	4.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	36585	4.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	66466	3.83	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	54231	3.03	ng/ul	0.00
43) Dimethylphthalate-d6	13.64	166	215992	4.28	ng/ul	-0.01
46) Acenaphthylene-d8	13.92	160	272268	4.39	ng/ul	0.00
51) 4-Nitrophenol-d4	14.41	143	131	0.02	ng/ul	-0.02
57) Fluorene-d10	15.22	176	189500	4.47	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	17938	2.64	ng/ul	0.00
70) Anthracene-d10	17.07	188	285294	4.51	ng/ul	-0.01
78) Pyrene-d10	19.39	212	311279	4.24	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	315006	4.25	ng/ul	-0.03

Target Compounds

					Ovalue	
28) Naphthalene	10.40	128	124029	2.200	ng/ul#	96
34) 2-Methylnaphthalene	12.02	142	485806	11.768	ng/ul	98
44) Dimethylphthalate	13.69	163	51862	1.031	ng/ul	99
47) Acenaphthylene	13.95	152	2022113	33.174	ng/ul	98
49) Acenaphthene	14.29	153	212840	5.115	ng/ul	98
53) Dibenzofuran	14.63	168	103937	1.735	ng/ul	87
58) Fluorene	15.28	166	1073314	22.958	ng/ul	97
69) Phenanthrene	17.02	178	5606366	76.207	ng/ul	99
71) Anthracene	17.11	178	772205	10.304	ng/ul	99
76) Fluoranthene	19.06	202	3588289	43.974	ng/ul	98
79) Pyrene	19.43	202	6595728	71.416	ng/ul	96
82) Benzo(a)anthracene	21.25	228	2503699	28.058	ng/ul	95
84) Chrysene	21.25	228	2503038	30.224	ng/ul	99
87) Benzo(b)fluoranthene	22.77	252	1983679	20.809	ng/ul	99
88) Benzo(k)fluoranthene	22.77	252	1983679	21.788	ng/ul	98
90) Benzo(a)pyrene	23.32	252	1291011	14.408	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.59	276	913712	9.223	ng/ul	96
92) Dibenzo(a,h)anthracene	25.60	278	299092	3.557	ng/ul	98
93) Benzo(g,h,i)perylene	26.26	276	782184	9.549	ng/ul	96

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



#28

Naphthalene

Concen: 2.200 ng/ul

RT: 10.40 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BN005355.D

Acq: 29 Apr 2019 17:26

Instrument :

BNA_N

ClientSampled :

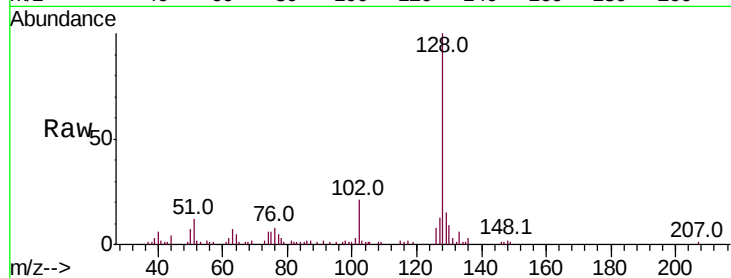
Tot Ion:128 Resp: 124029

Ion Ratio Lower Upper

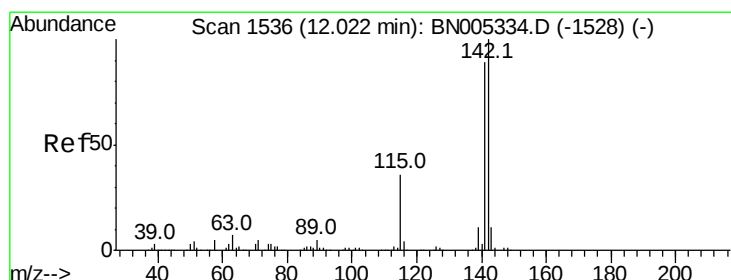
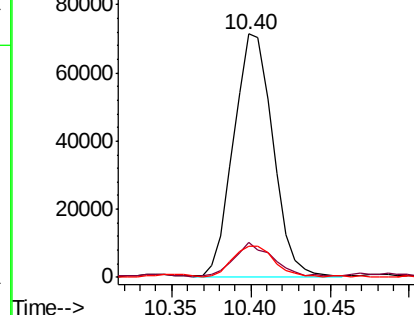
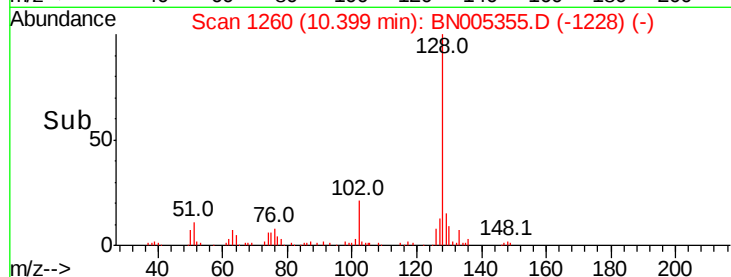
128 100

129 14.5 9.2 13.8#

127 12.8 10.7 16.1



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: 11.768 ng/ul

RT: 12.02 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BN005355.D

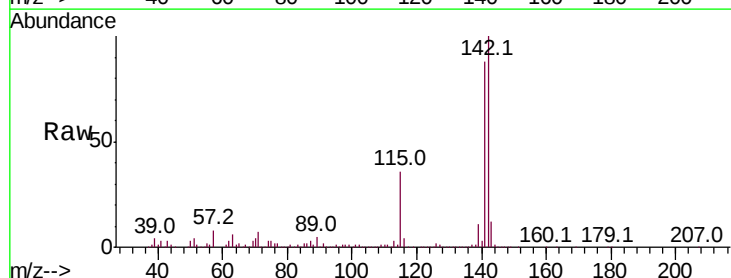
Acq: 29 Apr 2019 17:26

Tgt Ion:142 Resp: 485806

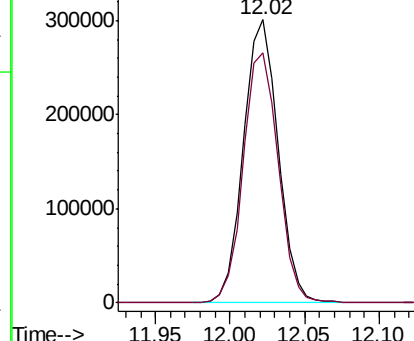
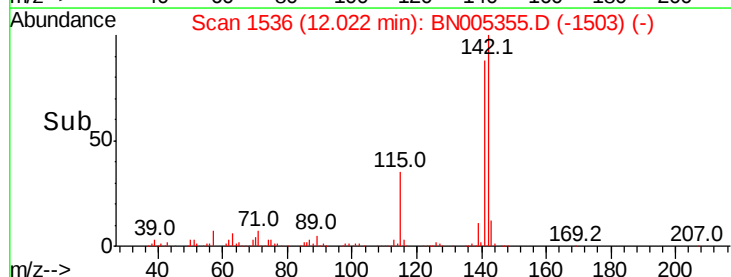
Ion Ratio Lower Upper

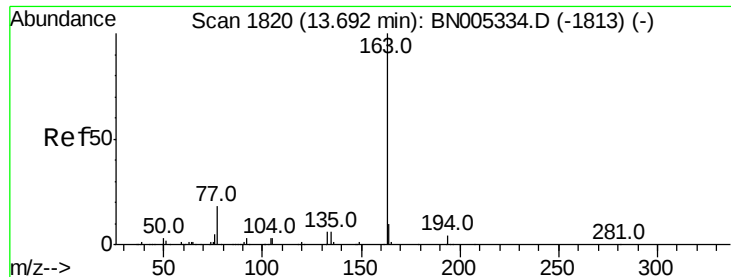
142 100

141 88.4 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

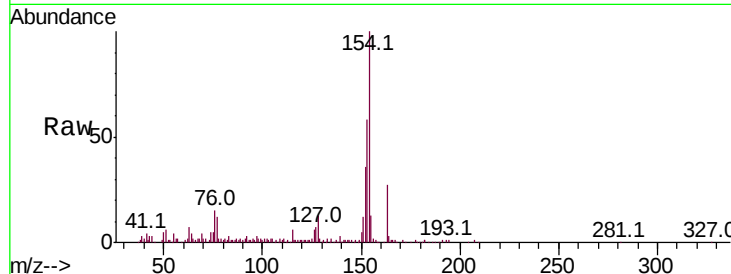




#44
Dimethylphthalate
Concen: 1.031 ng/ul
RT: 13.69 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BN005355.D
Acq: 29 Apr 2019 17:26

Instrument :
BNA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.4	5.0
164	10.2	8.1	12.1

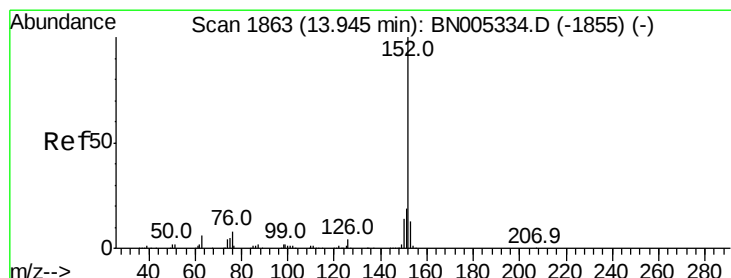
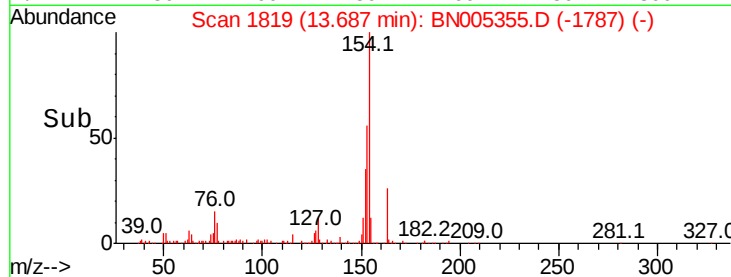
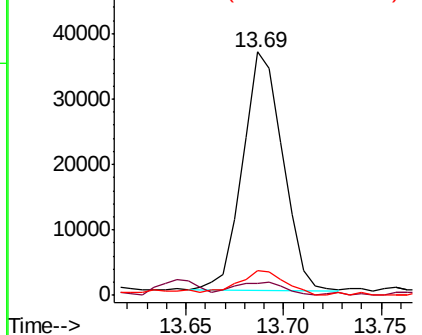


Abundance

Ion 163.00 (162.70 to 163.70): E

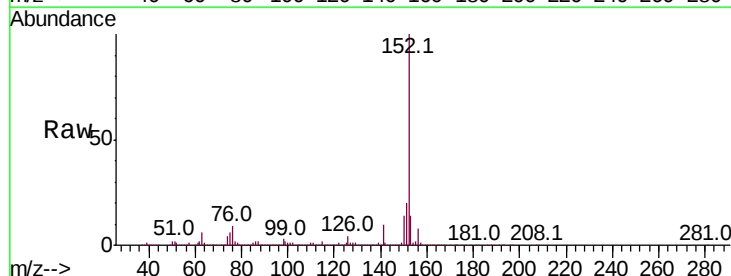
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#47
Acenaphthylene
Concen: 33.174 ng/ul
RT: 13.95 min Scan# 1863
Delta R.T. -0.01 min
Lab File: BN005355.D
Acq: 29 Apr 2019 17:26

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	13.9	9.8	14.8

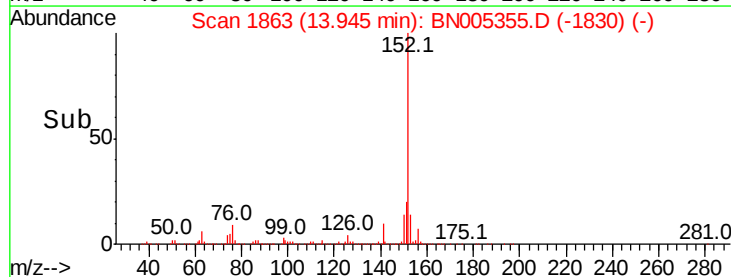
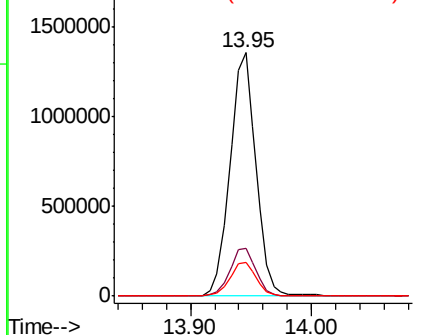


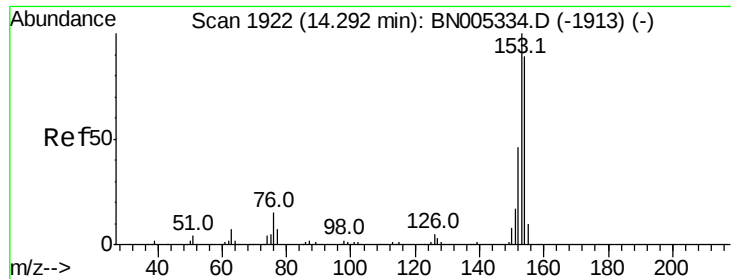
Abundance

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





#49

Acenaphthene

Concen: 5.115 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BN005355.D

Acq: 29 Apr 2019 17:26

Instrument :

BNA_N

ClientSampleId :

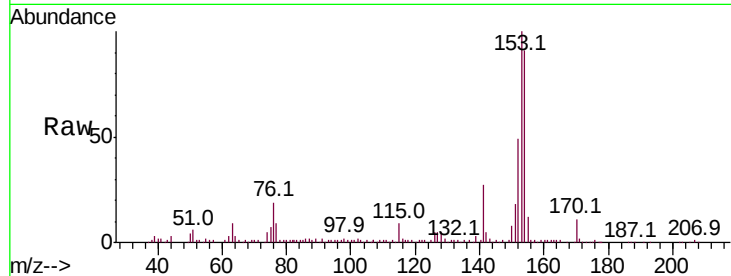
Tot Ion:153 Resp: 212840

Ion Ratio Lower Upper

153 100

152 48.8 37.4 56.0

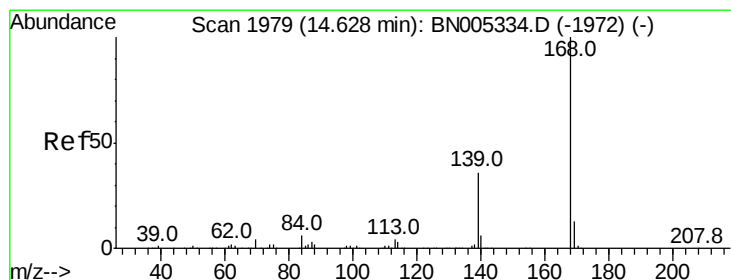
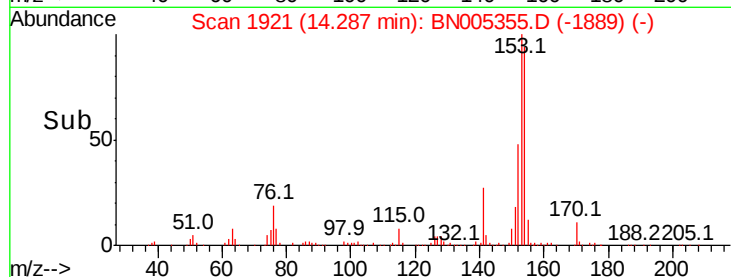
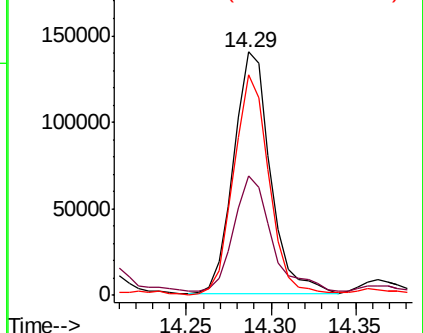
154 90.8 71.2 106.8



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: 1.735 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BN005355.D

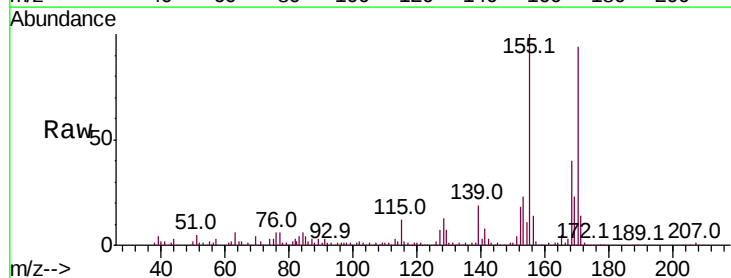
Acq: 29 Apr 2019 17:26

Tgt Ion:168 Resp: 103937

Ion Ratio Lower Upper

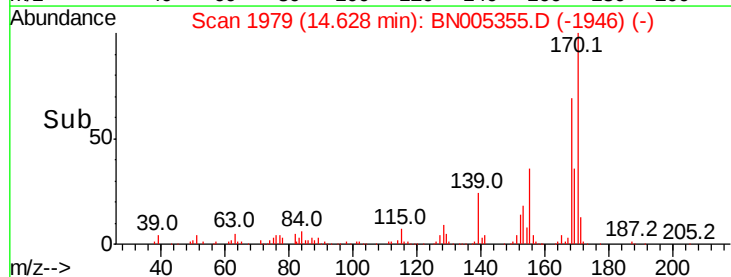
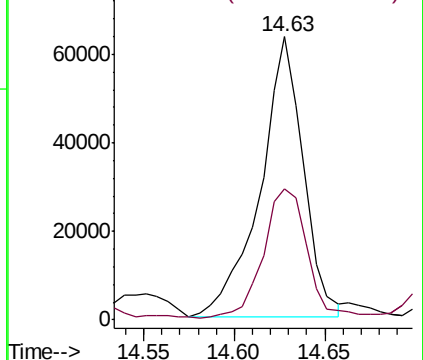
168 100

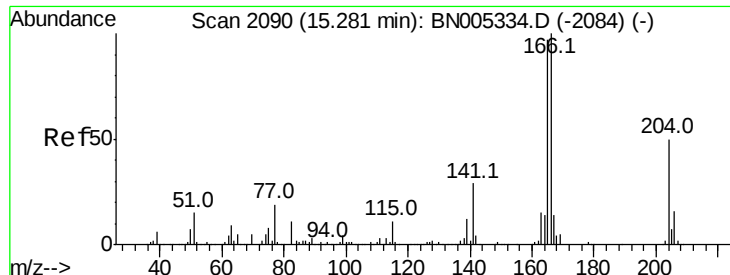
139 46.3 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 22.958 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. -0.01 min

Lab File: BN005355.D

Acq: 29 Apr 2019 17:26

Instrument :

BNA_N

ClientSampleId :

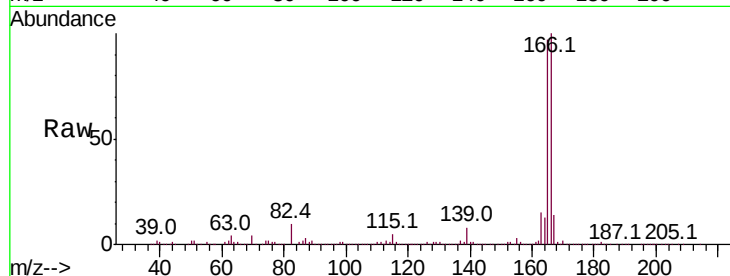
Tot Ion:166 Resp: 1073314

Ion Ratio Lower Upper

166 100

165 96.7 80.0 120.0

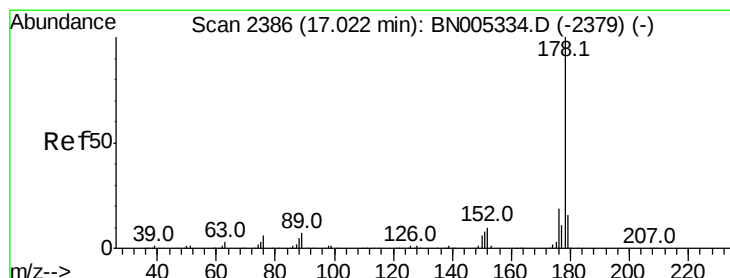
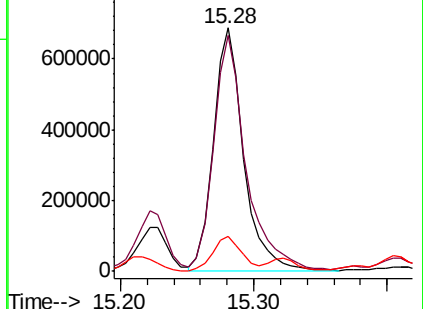
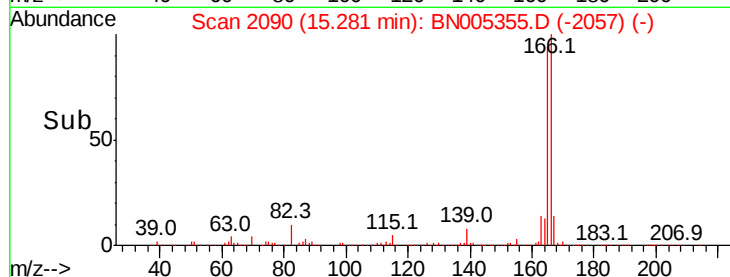
167 14.1 10.7 16.1



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: 76.207 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BN005355.D

Acq: 29 Apr 2019 17:26

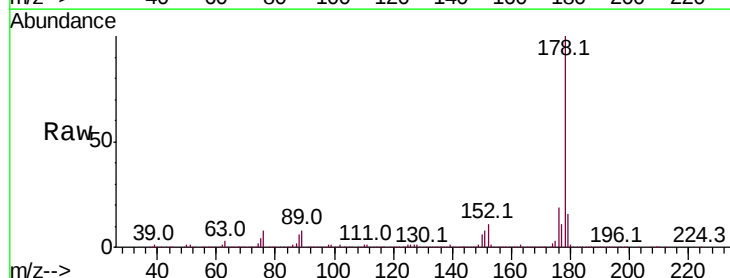
Tgt Ion:178 Resp: 5606366

Ion Ratio Lower Upper

178 100

179 16.1 12.2 18.4

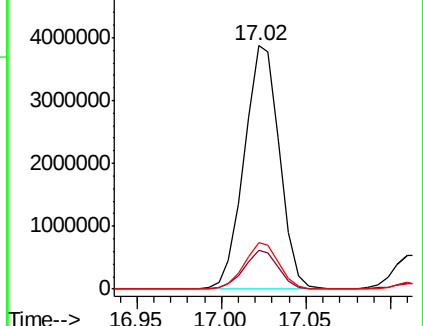
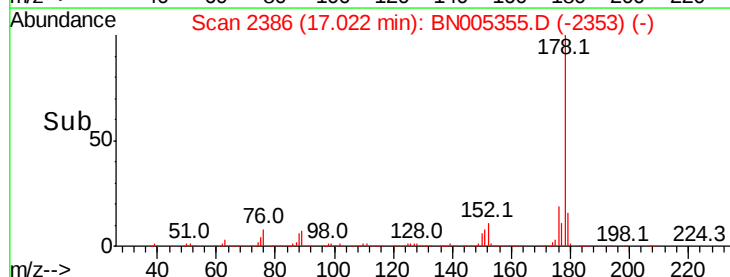
176 19.3 15.1 22.7

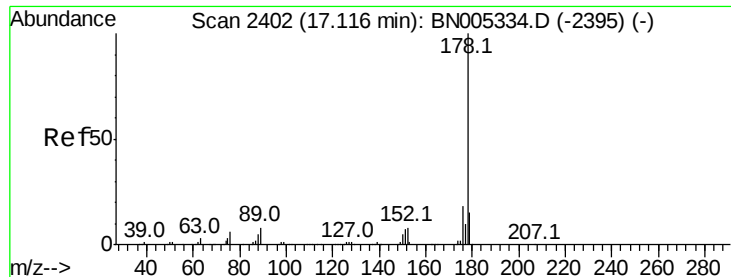


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

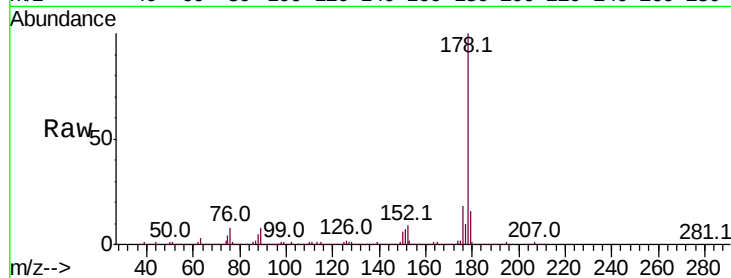




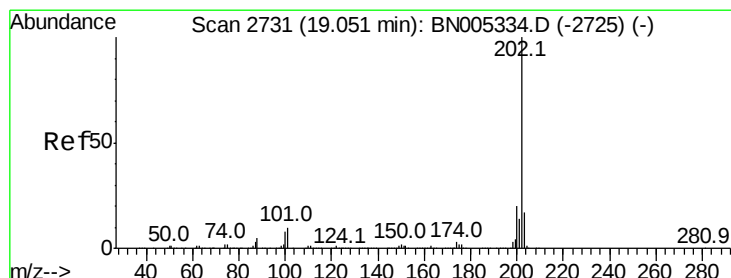
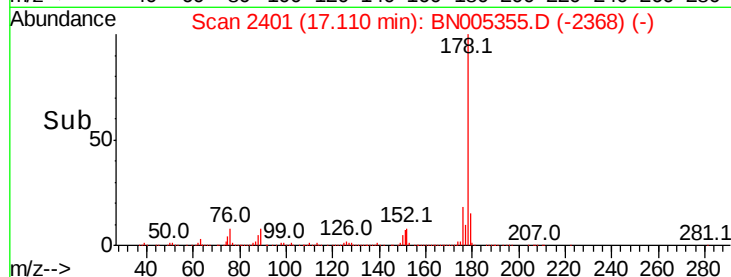
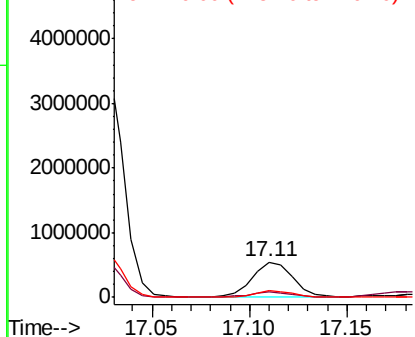
#71
 Anthracene
 Concen: 10.304 ng/ul
 RT: 17.11 min Scan# 2401
 Delta R.T. -0.01 min
 Lab File: BN005355.D
 Acq: 29 Apr 2019 17:26

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:178 Resp: 772205
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.3 18.5
 176 18.4 15.1 22.7

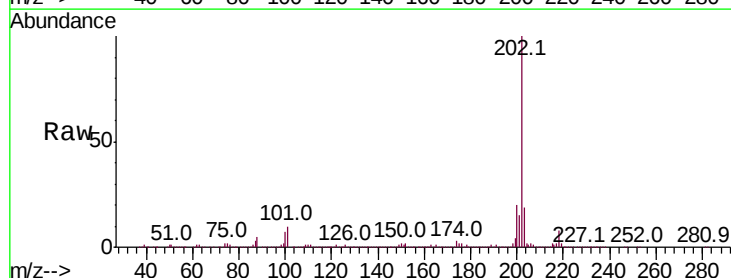


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

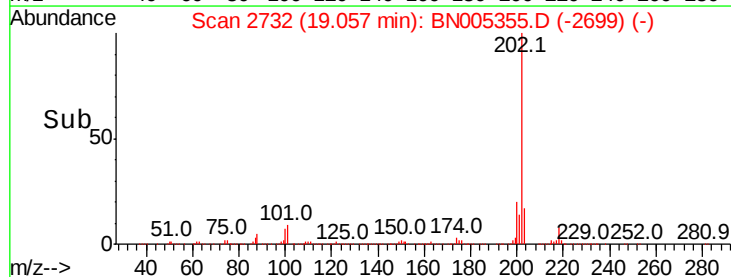
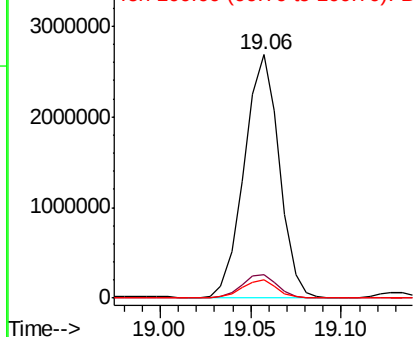


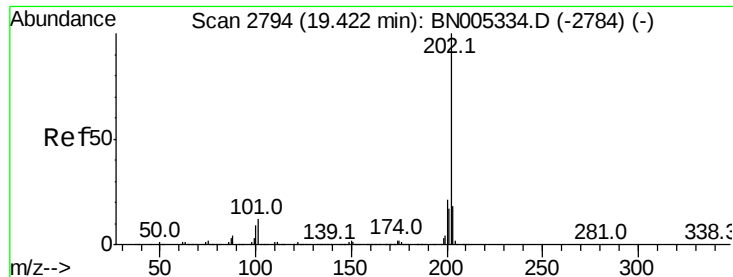
#76
 Fluoranthene
 Concen: 43.974 ng/ul
 RT: 19.06 min Scan# 2732
 Delta R.T. -0.01 min
 Lab File: BN005355.D
 Acq: 29 Apr 2019 17:26

Tgt Ion:202 Resp: 3588289
 Ion Ratio Lower Upper
 202 100
 101 9.8 8.6 12.8
 100 7.4 6.3 9.5



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

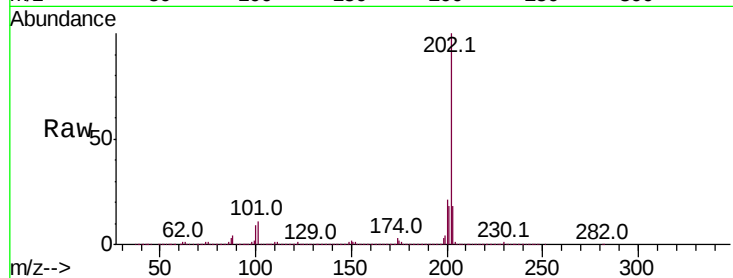




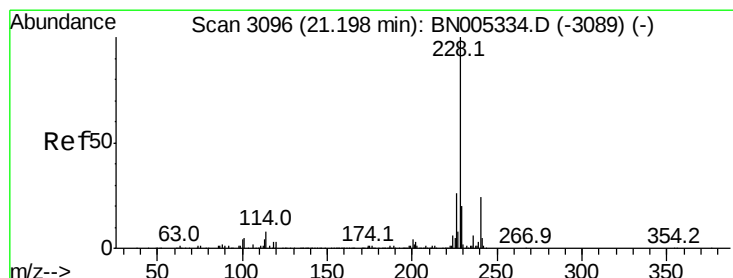
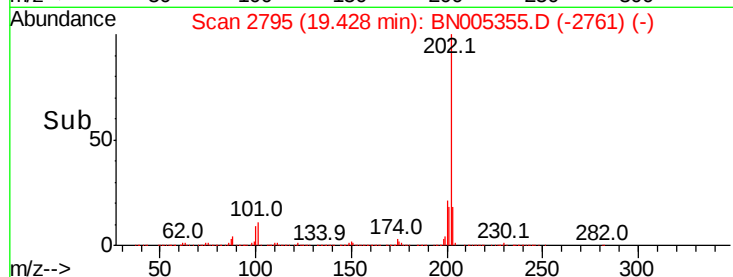
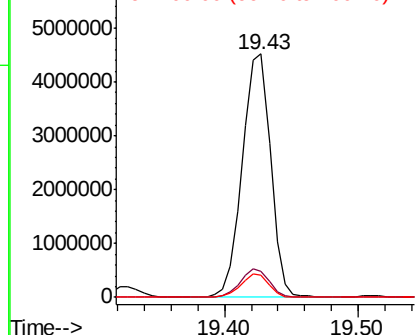
#79
Pvrene
Concen: 71.416 ng/ul
RT: 19.43 min Scan# 2795
Delta R.T. 0.00 min
Lab File: BN005355.D
Acq: 29 Apr 2019 17:26

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 6595728
Ion Ratio Lower Upper
202 100
101 10.7 10.3 15.5
100 8.9 7.9 11.9

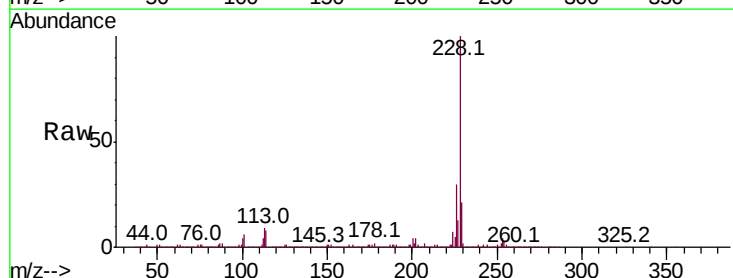


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

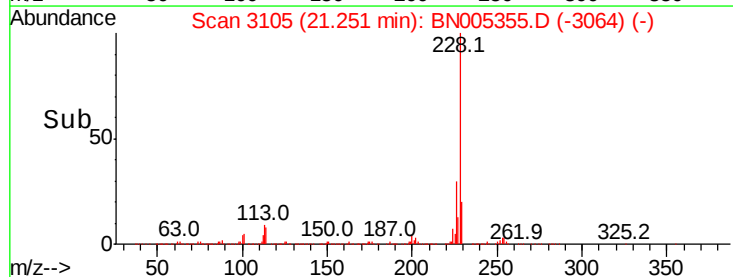
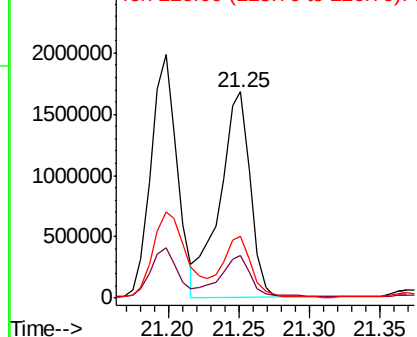


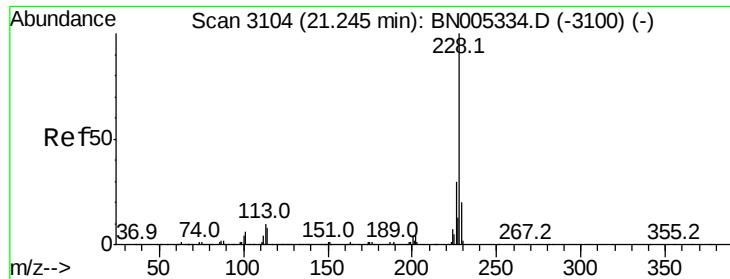
#82
Benzo(a)anthracene
Concen: 28.058 ng/ul
RT: 21.25 min Scan# 3105
Delta R.T. 0.04 min
Lab File: BN005355.D
Acq: 29 Apr 2019 17:26

Tgt Ion:228 Resp: 2503699
Ion Ratio Lower Upper
228 100
229 20.6 15.8 23.6
226 30.2 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: 30.224 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BN005355.D

Acq: 29 Apr 2019 17:26

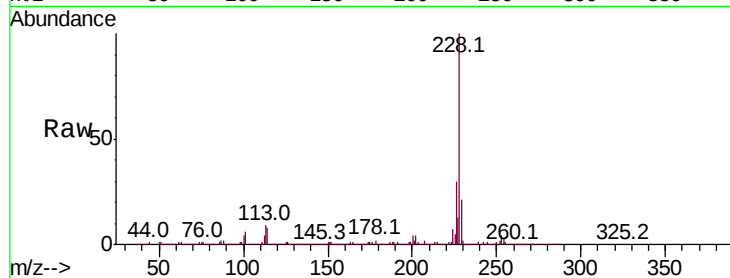
Instrument :

BNA_N

ClientSampled :

Tot Ion:228 Resp: 2503038

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	20.6	15.4	23.0

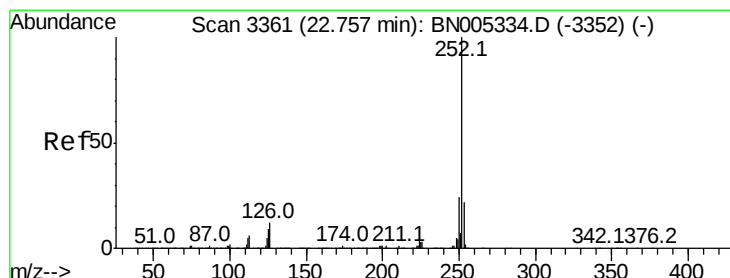
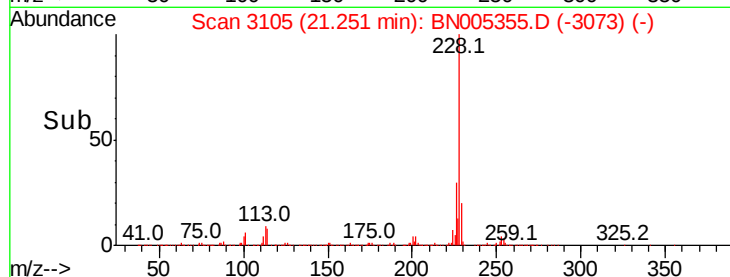
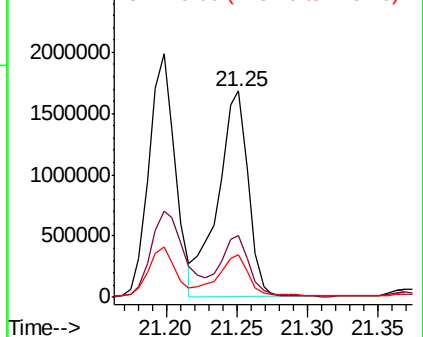


Abundance

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: 20.809 ng/ul

RT: 22.77 min Scan# 3363

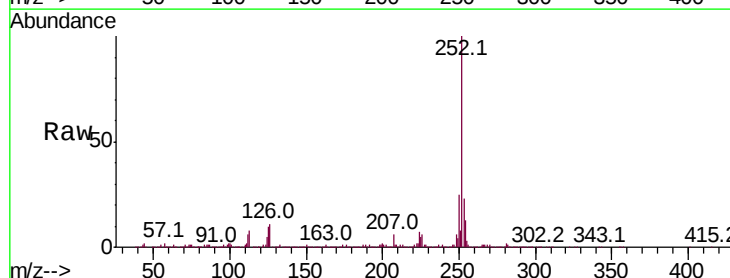
Delta R.T. -0.02 min

Lab File: BN005355.D

Acq: 29 Apr 2019 17:26

Tgt Ion:252 Resp: 1983679

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	10.0	8.4	12.6

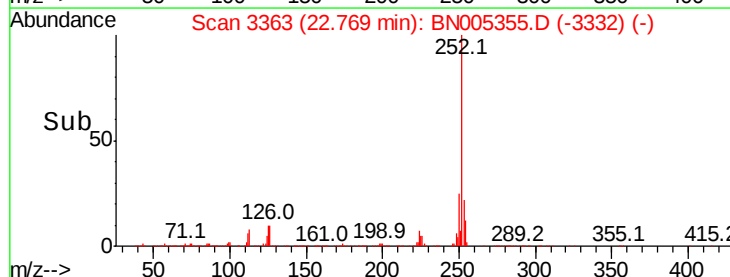
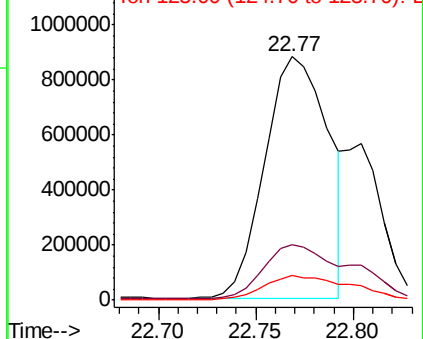


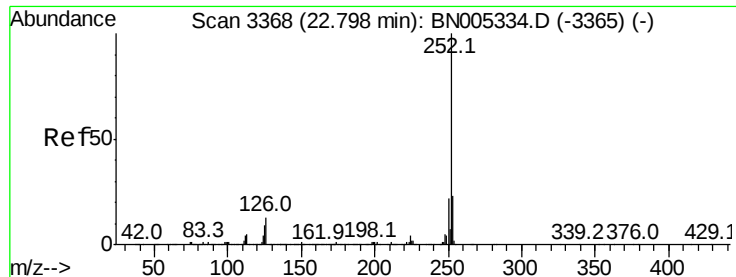
Abundance

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





#88

Benzo(k)fluoranthene

Concen: 21.788 ng/ul

RT: 22.77 min Scan# 3363

Delta R.T. -0.06 min

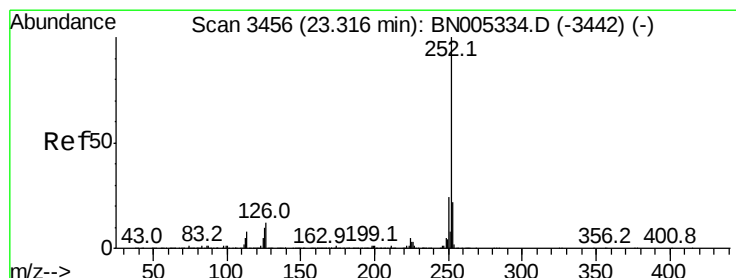
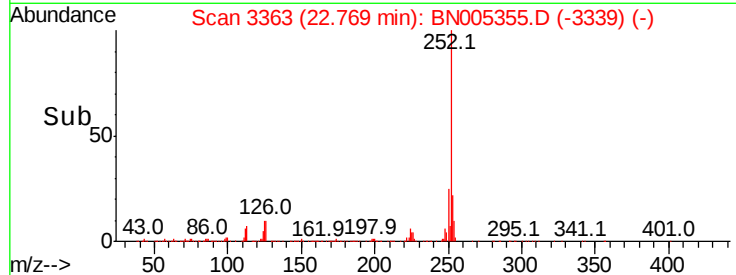
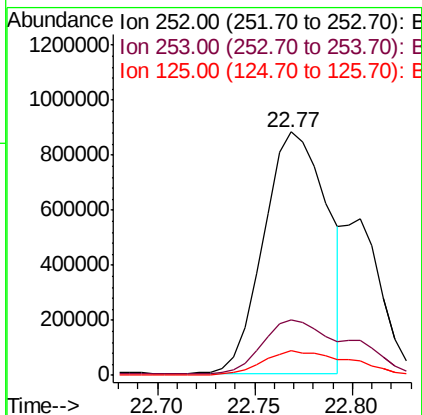
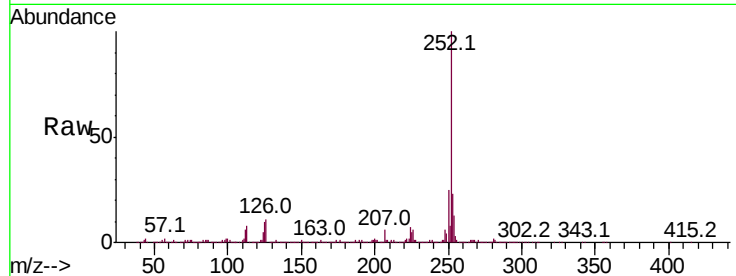
Lab File: BN005355.D

Acq: 29 Apr 2019 17:26

Instrument :
BNA_N
ClientSampled :

Tot Ion:252 Resp: 1983679

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	10.0	7.5	11.3



#90

Benzo(a)pyrene

Concen: 14.408 ng/ul

RT: 23.32 min Scan# 3457

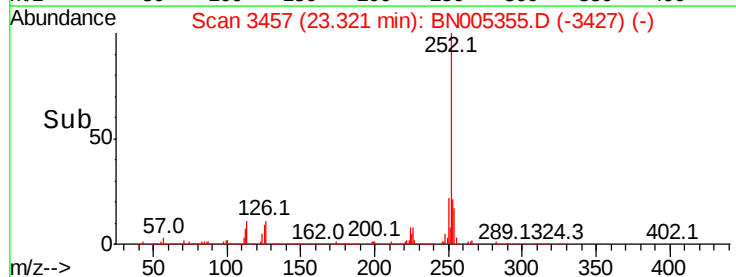
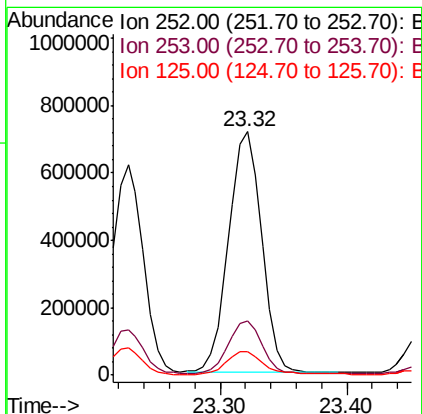
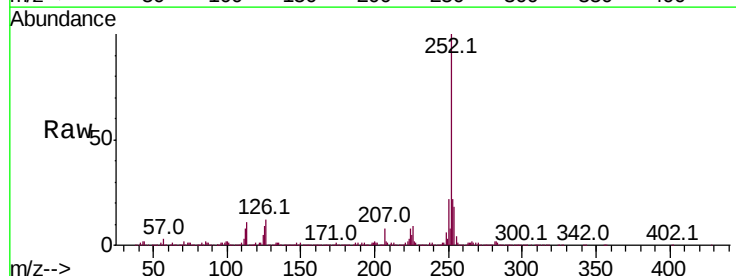
Delta R.T. -0.02 min

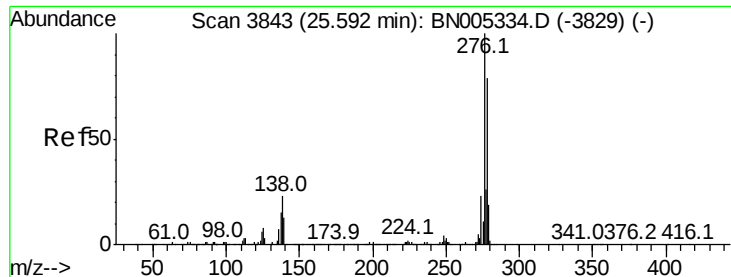
Lab File: BN005355.D

Acq: 29 Apr 2019 17:26

Tgt Ion:252 Resp: 1291011

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.3	25.9
125	9.5	8.6	13.0





#91

Indeno(1,2,3-cd)pyrene

Concen: 9.223 ng/ul

RT: 25.59 min Scan# 3843

Delta R.T. -0.03 min

Lab File: BN005355.D

Acq: 29 Apr 2019 17:26

Instrument :

BNA_N

ClientSampleId :

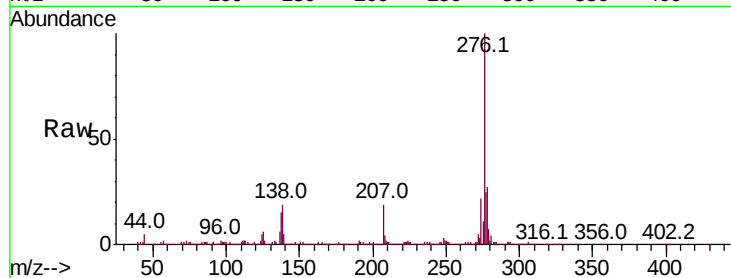
Tot Ion:276 Resp: 913712

Ion Ratio Lower Upper

276 100

138 18.5 17.9 26.9

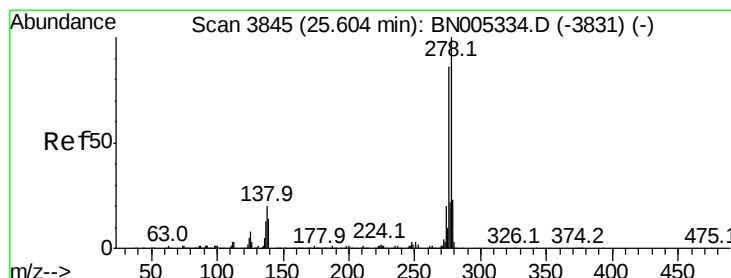
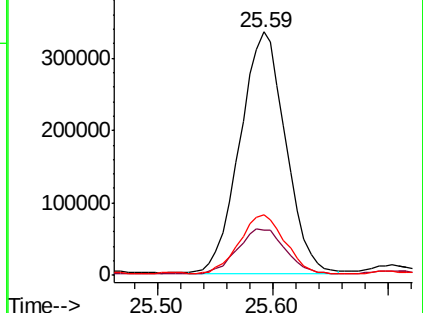
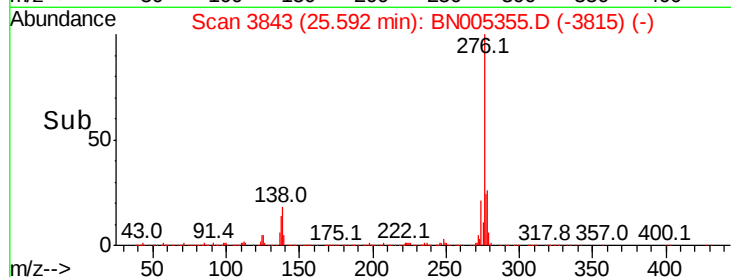
277 24.7 19.7 29.5



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: 3.557 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. -0.04 min

Lab File: BN005355.D

Acq: 29 Apr 2019 17:26

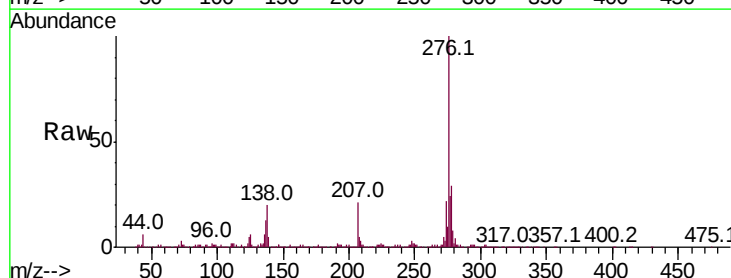
Tgt Ion:278 Resp: 299092

Ion Ratio Lower Upper

278 100

139 16.5 13.1 19.7

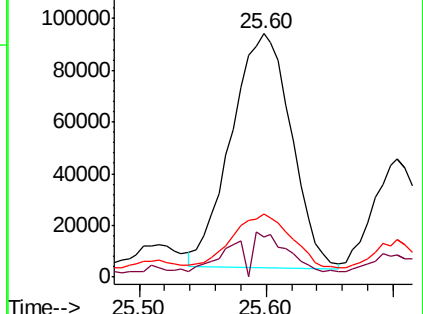
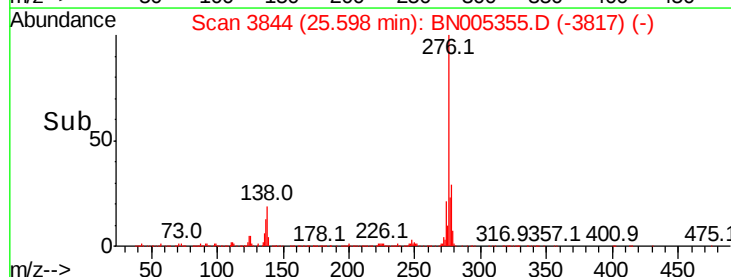
279 26.0 19.4 29.0

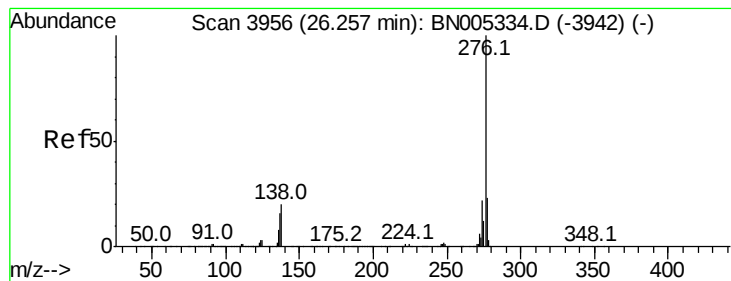


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(a,h,i)perylene

Concen: 9.549 ng/ul

RT: 26.26 min Scan# 3956

Delta R.T. -0.03 min

Lab File: BN005355.D

Acq: 29 Apr 2019 17:26

Instrument :

BNA_N

ClientSampleId :

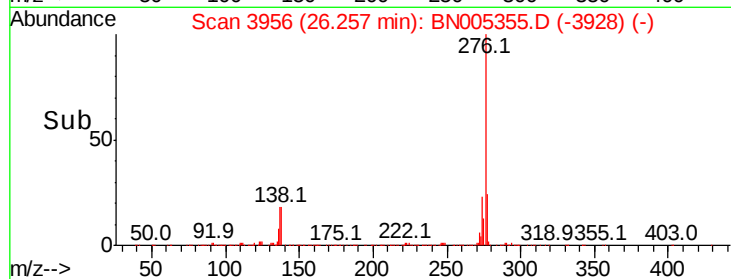
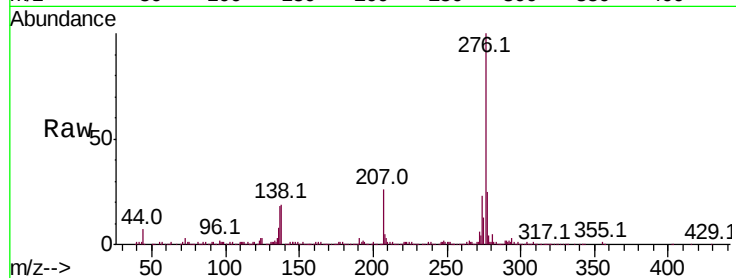
Tot Ion:276 Resp: 782184

Ion Ratio Lower Upper

276 100

138 18.9 16.7 25.1

277 24.7 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

