

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060119\
 Data File : BN006018.D
 Acq On : 02 Jun 2019 06:41
 Operator : JU/SJ
 Sample : K2928-15
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jun 03 01:08:00 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	7.72	152	431597	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.51	136	1867748	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.38	164	1031261	20.00	ng/ul	-0.02
61) Phenanthrene-d10	17.14	188	1845429	20.00	ng/ul	-0.02
77) Chrysene-d12	21.38	240	933208	20.00	ng/ul	0.00
85) Perylene-d12	23.68	264	1518707	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	35707	3.64	ng/uL	0.00
5) Phenol-d5	6.89	99	828001	21.64	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.06	67	482487	22.11	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.26	132	675630	23.19	ng/ul	-0.01
13) 4-Methylphenol-d8	8.43	113	658527	21.33	ng/ul	-0.02
19) Nitrobenzene-d5	8.88	128	345041	28.78	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.60	143	391969	35.11	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.14	165	668296	25.35	ng/ul	-0.02
29) 4-Chloroaniline-d4	10.66	131	295770	8.56	ng/ul	-0.01
43) Dimethylphthalate-d6	13.79	166	2079019	27.35	ng/ul	-0.02
46) Acenaphthylene-d8	14.07	160	2449152	25.75	ng/ul	-0.02
51) 4-Nitrophenol-d4	14.59	143	282324	20.41	ng/ul	-0.02
57) Fluorene-d10	15.38	176	1601991	25.13	ng/ul	-0.02
62) 4,6-Dinitro-2-methylphenol	15.52	200	118662	15.78	ng/ul	0.00
70) Anthracene-d10	17.24	188	2025065	25.78	ng/ul	-0.01
78) Pyrene-d10	19.56	212	1515398	32.15	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.53	264	1541063	22.74	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.92	94	56417	1.431	ng/ul	96
28) Naphthalene	10.57	128	298368	3.366	ng/ul	99
34) 2-Methylnaphthalene	12.18	142	147315	2.256	ng/ul	96
44) Dimethylphthalate	13.84	163	837060	11.016	ng/ul	100
47) Acenaphthylene	14.10	152	611912	6.561	ng/ul	97
49) Acenaphthene	14.45	153	504060	7.956	ng/ul	99
58) Fluorene	15.44	166	441469	6.285	ng/ul#	97
64) N-Nitrosodiphenylamine	15.65	169	589948	11.466	ng/ul#	76
69) Phenanthrene	17.19	178	10069660	110.130	ng/ul	96
71) Anthracene	17.28	178	4137354	44.570	ng/ul	99
74) Carbazole	17.55	167	277921	3.323	ng/ul#	56
79) Pyrene	19.66	202	645953	10.927	ng/ul#	54
81) 3,3'-Dichlorobenzidine	21.32	252	26772	1.445	ng/ul#	47
82) Benzo(a)anthracene	21.36	228	18361457	312.996	ng/ul#	86
84) Chrysene	21.42	228	16747531	306.094	ng/ul#	88
87) Benzo(b)fluoranthene	23.01	252	18932180	221.945	ng/ul	96
88) Benzo(k)fluoranthene	23.01	252	18932180	241.391	ng/ul	94
90) Benzo(a)pyrene	23.59	252	16245545	201.955	ng/ul	95
91) Indeno(1,2,3-cd)pyrene	26.03	276	11410698	120.888	ng/ul	97
92) Dibenzo(a,h)anthracene	26.01	278	4333687	55.144	ng/ul#	90
93) Benzo(a,h,i)perylene	26.74	276	9955633	125.231	ng/ul	97

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Jun 01 01:49:29 2019
Response via : Initial Calibration

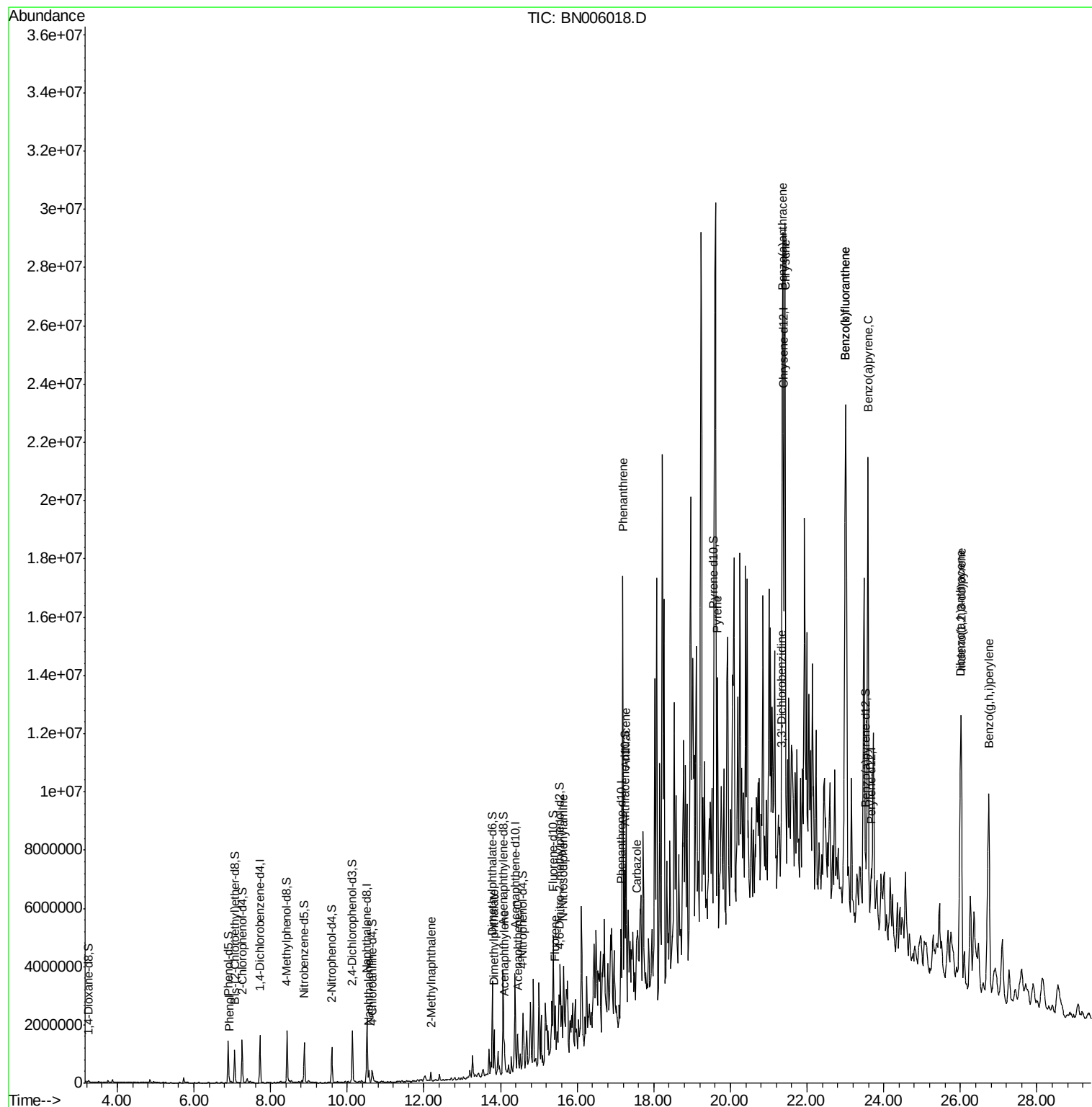
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

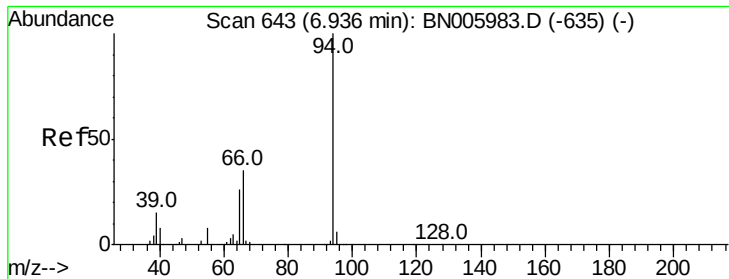
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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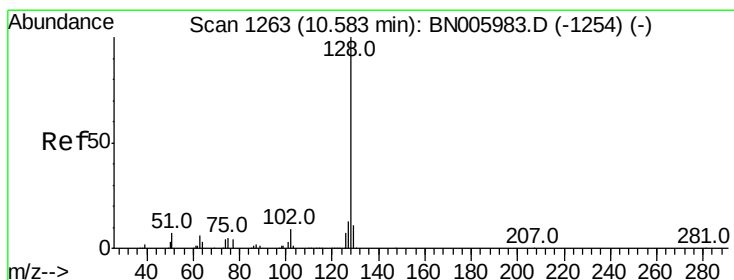
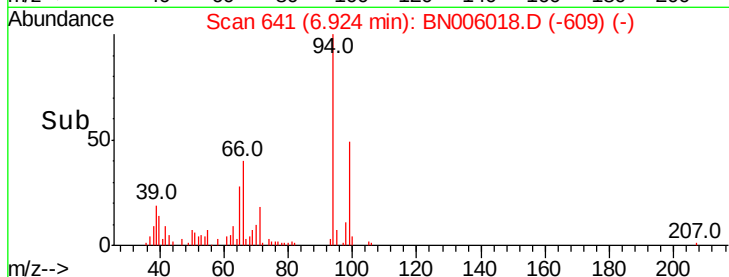
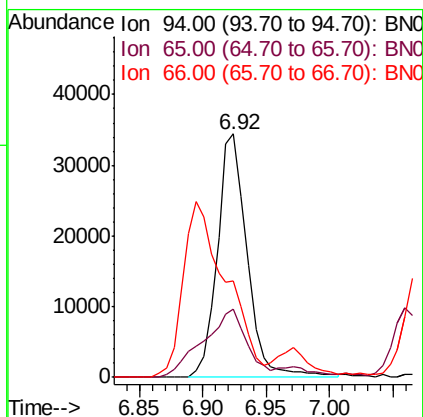
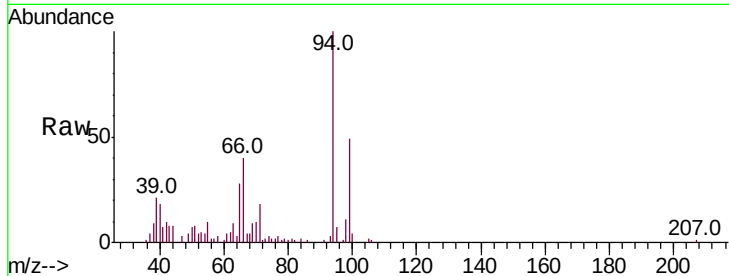
#6

Phenol

Concen: 1.431 ng/ul
 RT: 6.92 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: BN006018.D
 Acq: 02 Jun 2019 06:41

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
94	100		
65	27.8	24.2	36.4
66	39.6	33.8	50.6

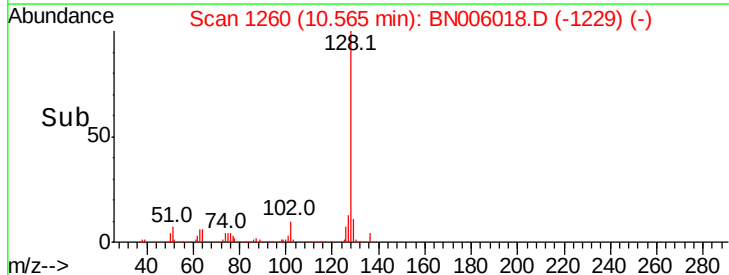
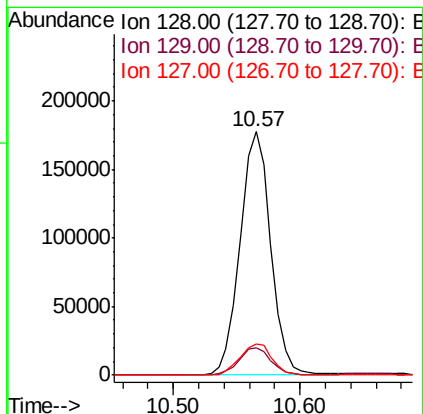
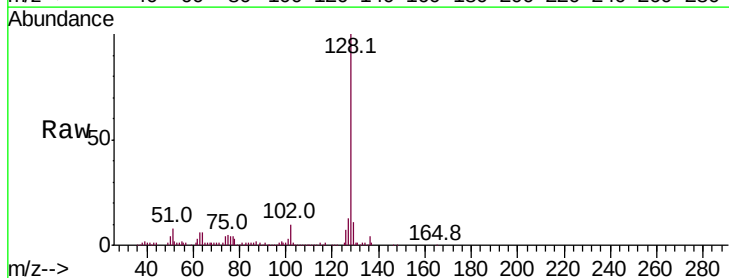


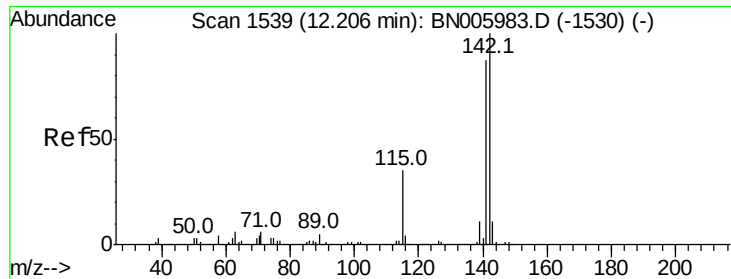
#28

Naphthalene

Concen: 3.366 ng/ul
 RT: 10.57 min Scan# 1260
 Delta R.T. -0.02 min
 Lab File: BN006018.D
 Acq: 02 Jun 2019 06:41

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.2	13.8
127	12.8	10.7	16.1

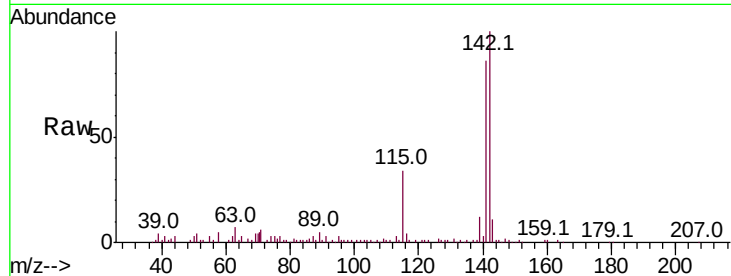




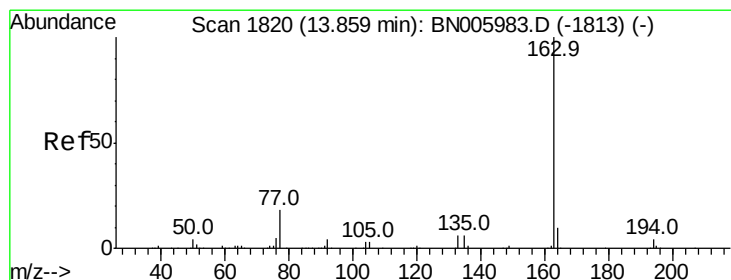
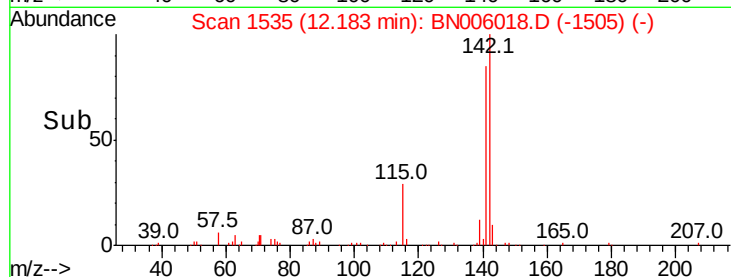
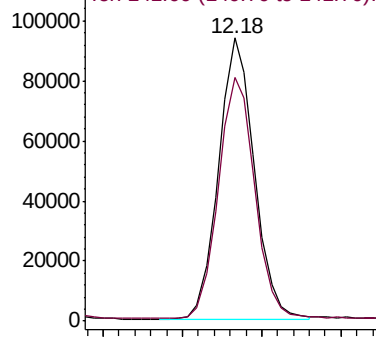
#34
 2-Methylnaphthalene
 Concen: 2.256 ng/ul
 RT: 12.18 min Scan# 1535
 Delta R.T. -0.02 min
 Lab File: BN006018.D
 Acq: 02 Jun 2019 06:41

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:142 Resp: 147315
 Ion Ratio Lower Upper
 142 100
 141 86.2 72.0 108.0

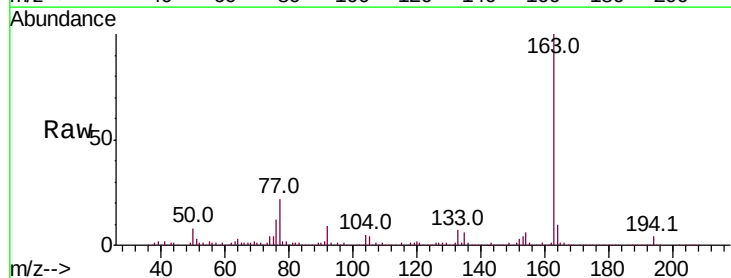


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

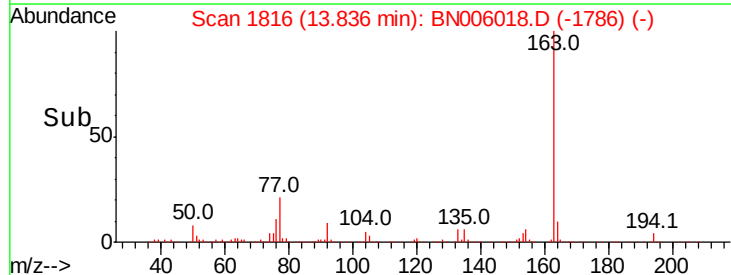
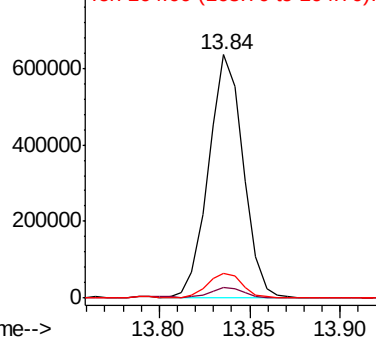


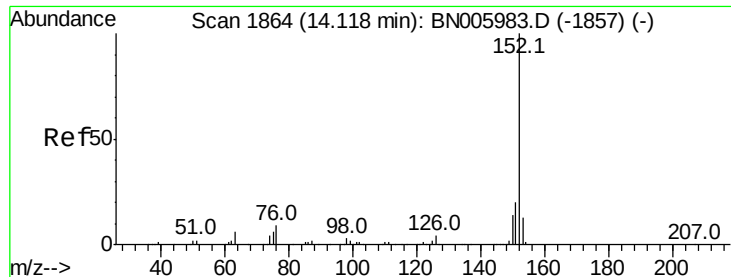
#44
 Dimethylphthalate
 Concen: 11.016 ng/ul
 RT: 13.84 min Scan# 1816
 Delta R.T. -0.02 min
 Lab File: BN006018.D
 Acq: 02 Jun 2019 06:41

Tgt Ion:163 Resp: 837060
 Ion Ratio Lower Upper
 163 100
 194 4.3 3.4 5.0
 164 9.9 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: 6.561 ng/ul

RT: 14.10 min Scan# 1861

Delta R.T. -0.02 min

Lab File: BN006018.D

Acq: 02 Jun 2019 06:41

Instrument :

BNA_N

ClientSampled :

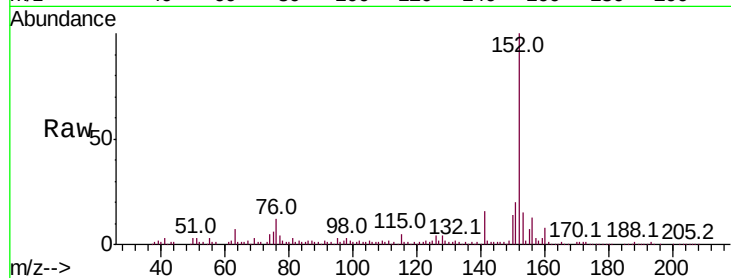
Tot Ion:152 Resp: 611912

Ion Ratio Lower Upper

152 100

151 20.1 15.8 23.8

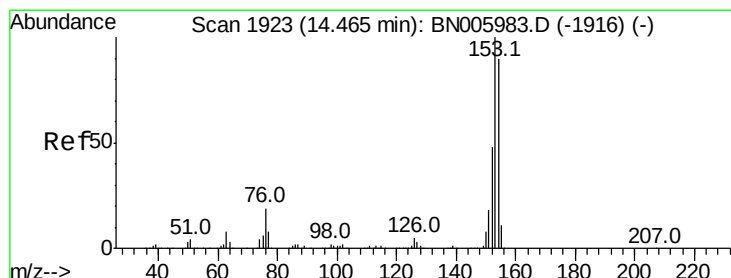
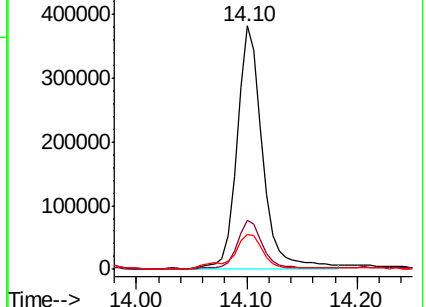
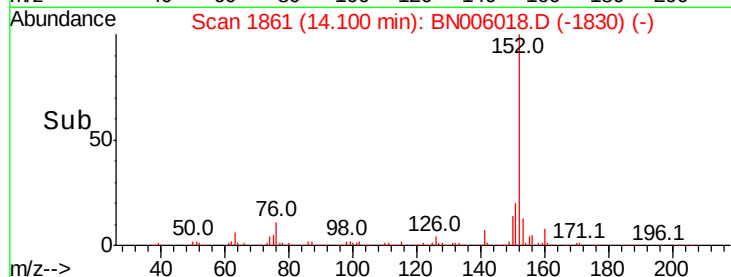
153 14.6 9.8 14.8



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: 7.956 ng/ul

RT: 14.45 min Scan# 1920

Delta R.T. -0.02 min

Lab File: BN006018.D

Acq: 02 Jun 2019 06:41

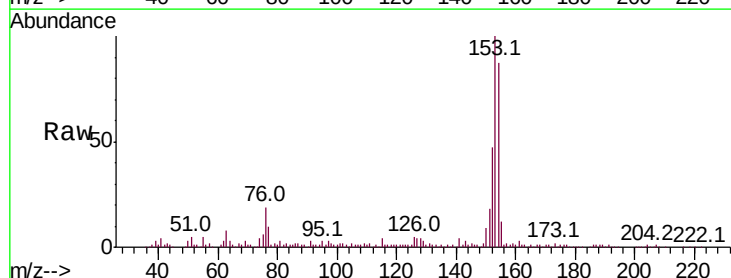
Tgt Ion:153 Resp: 504060

Ion Ratio Lower Upper

153 100

152 47.1 37.4 56.0

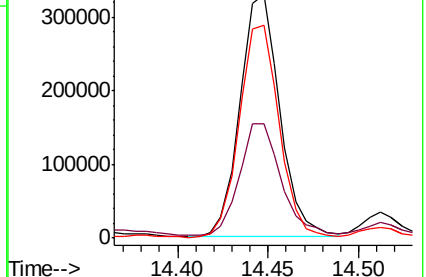
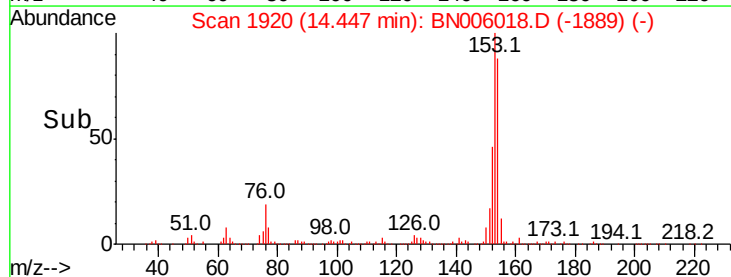
154 87.5 71.2 106.8

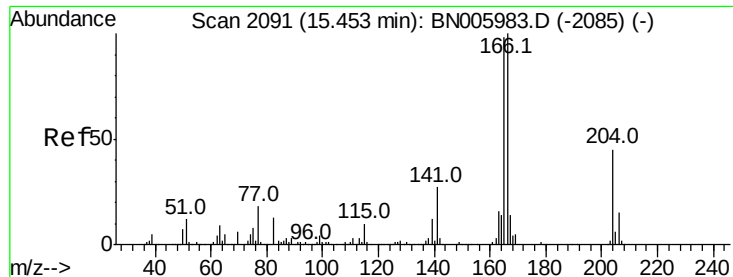


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#58

Fluorene

Concen: 6.285 ng/ul

RT: 15.44 min Scan# 2088

Delta R.T. -0.02 min

Lab File: BN006018.D

Acq: 02 Jun 2019 06:41

Instrument :

BNA_N

ClientSampleId :

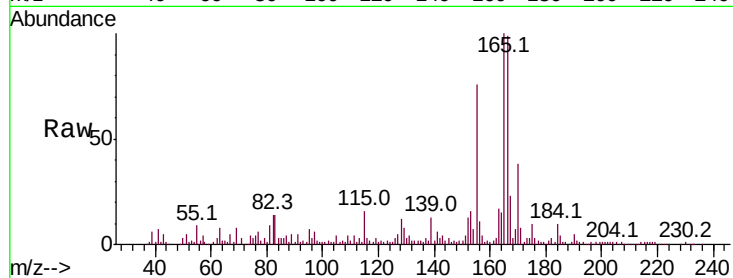
Tot Ion:166 Resp: 441469

Ion Ratio Lower Upper

166 100

165 100.6 80.0 120.0

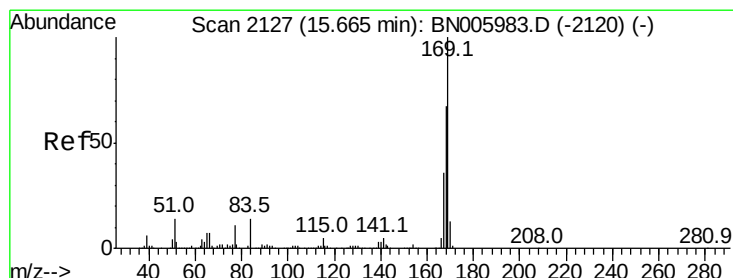
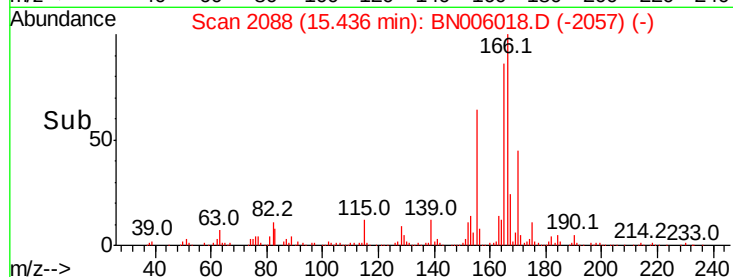
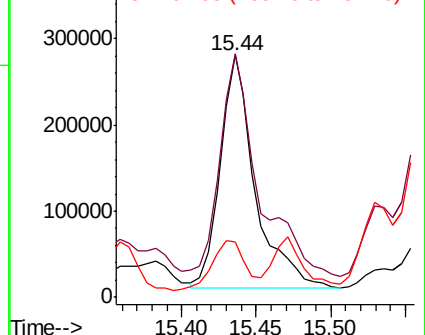
167 22.8 10.7 16.1#



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



#64

N-Nitrosodiphenylamine

Concen: 11.466 ng/ul

RT: 15.65 min Scan# 2125

Delta R.T. -0.01 min

Lab File: BN006018.D

Acq: 02 Jun 2019 06:41

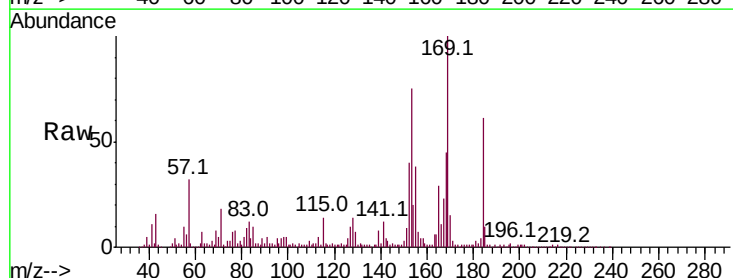
Tgt Ion:169 Resp: 589948

Ion Ratio Lower Upper

169 100

168 44.7 52.2 78.2#

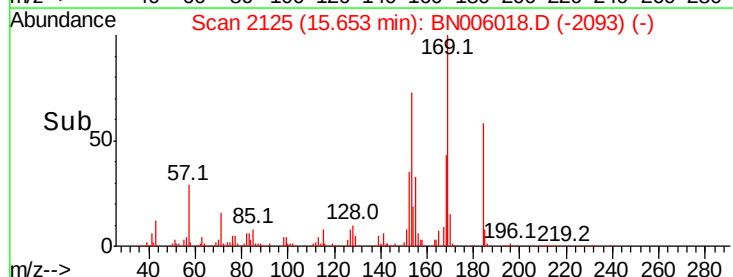
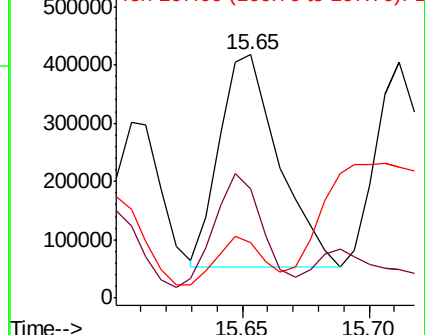
167 22.9 27.7 41.5#

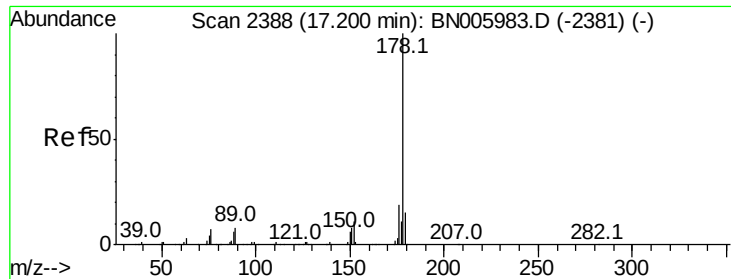


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 110.130 ng/ul

RT: 17.19 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BN006018.D

Acq: 02 Jun 2019 06:41

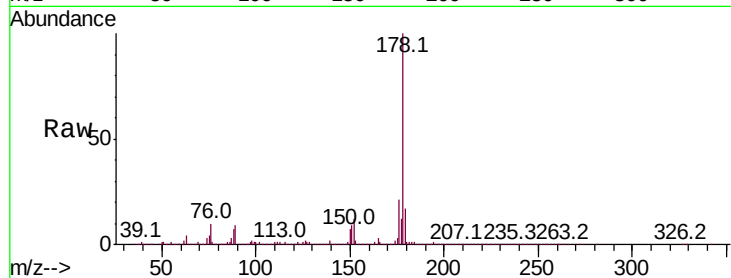
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp:10069660

Ion	Ratio	Lower	Upper
178	100		
179	17.0	12.2	18.4
176	20.7	15.1	22.7

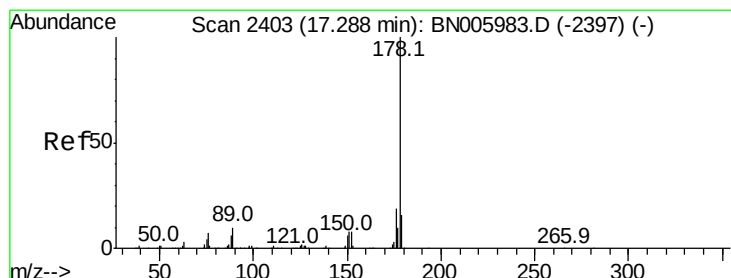
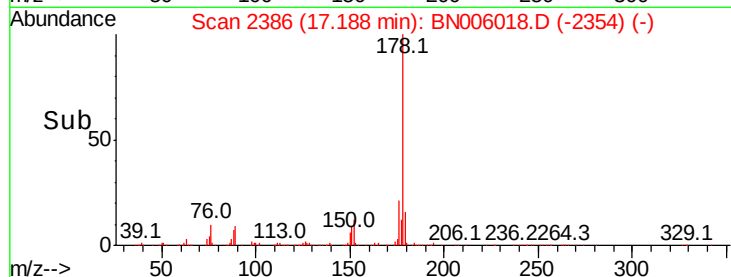
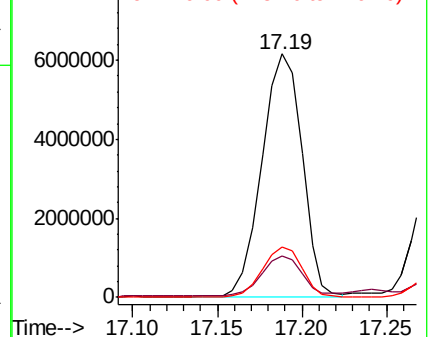


Abundance

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



#71

Anthracene

Concen: 44.570 ng/ul

RT: 17.28 min Scan# 2401

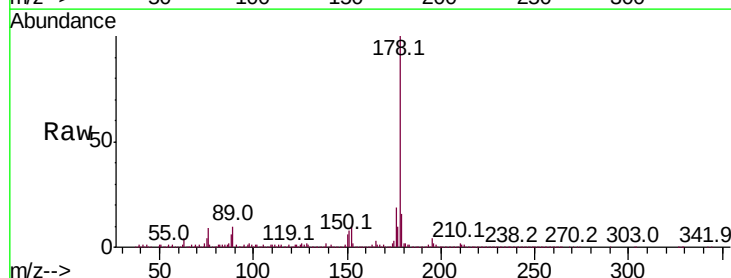
Delta R.T. -0.01 min

Lab File: BN006018.D

Acq: 02 Jun 2019 06:41

Tgt Ion:178 Resp: 4137354

Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.3	18.5
176	18.8	15.1	22.7

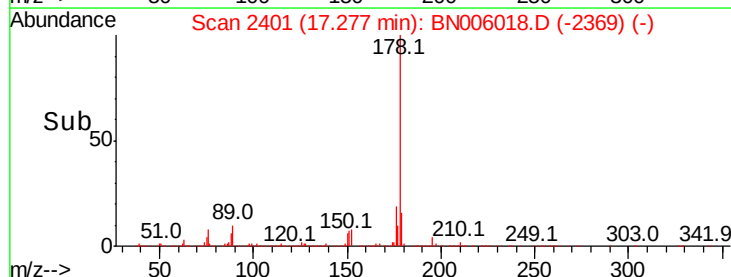
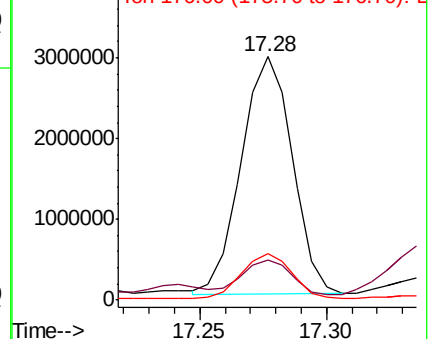


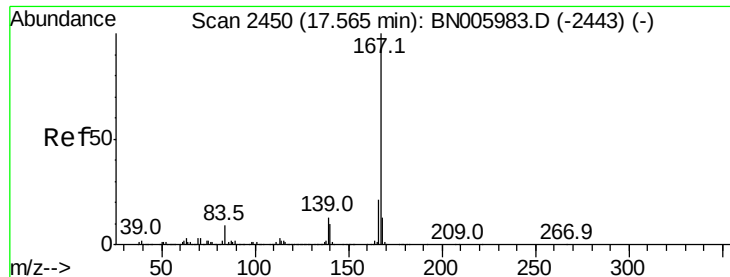
Abundance

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: 3.323 ng/ul

RT: 17.55 min Scan# 2447

Delta R.T. -0.02 min

Lab File: BN006018.D

Acq: 02 Jun 2019 06:41

Instrument :

BNA_N

ClientSampled :

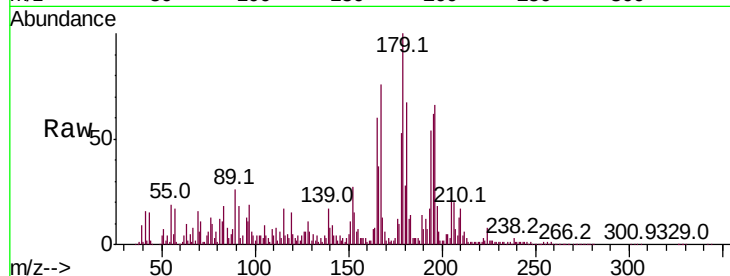
Tot Ion:167 Resp: 277921

Ion Ratio Lower Upper

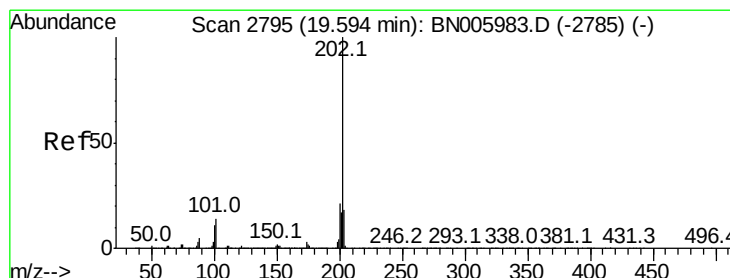
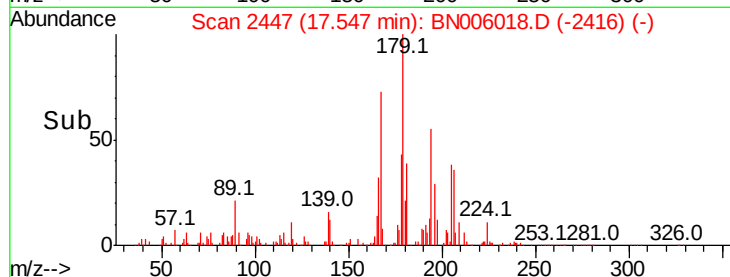
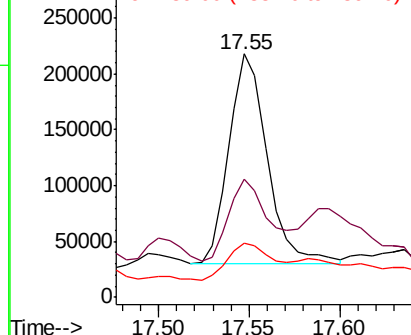
167 100

166 48.4 17.2 25.8#

139 22.0 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



#79

Pyrene

Concen: 10.927 ng/ul

RT: 19.66 min Scan# 2807

Delta R.T. 0.07 min

Lab File: BN006018.D

Acq: 02 Jun 2019 06:41

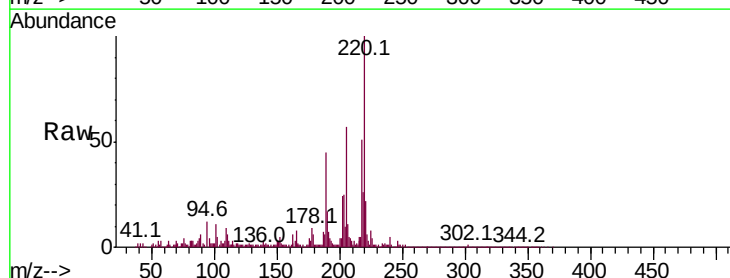
Tgt Ion:202 Resp: 645953

Ion Ratio Lower Upper

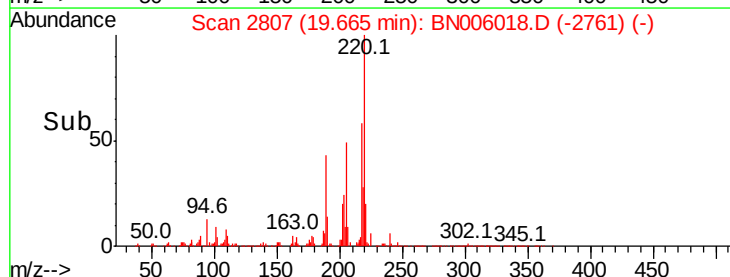
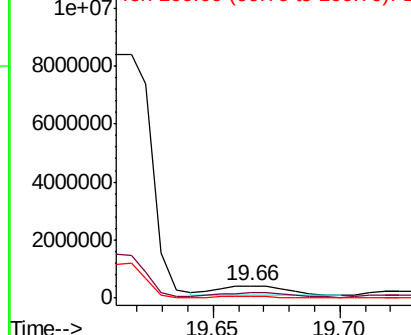
202 100

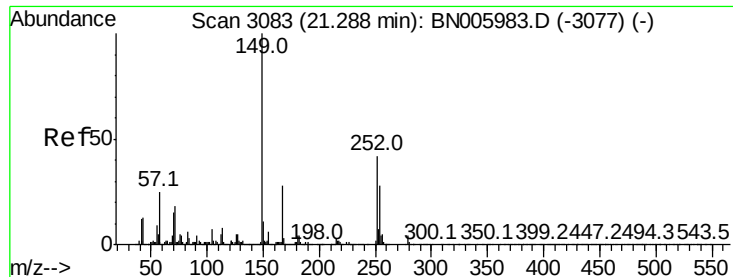
101 44.9 10.3 15.5#

100 10.3 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

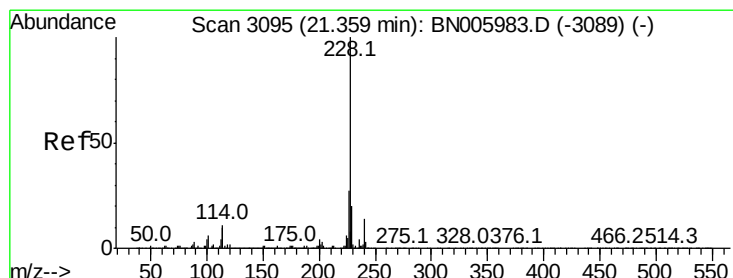
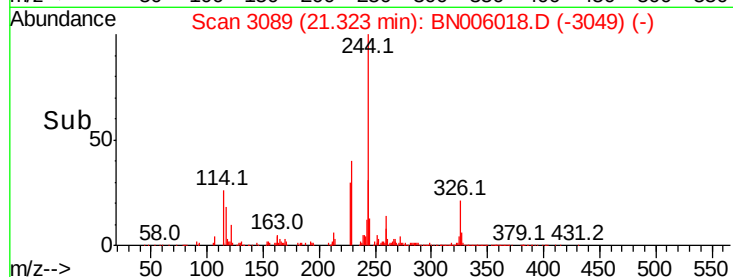
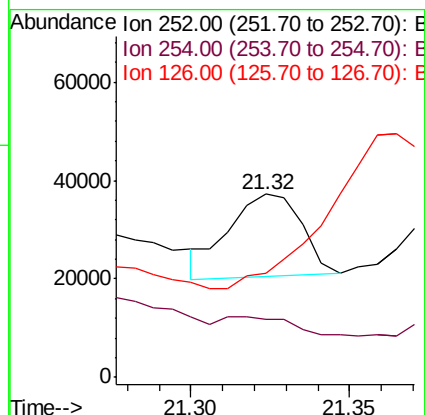
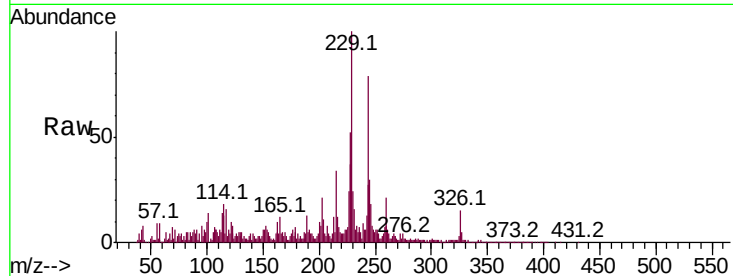




#81
 3,3'-Dichlorobenzidine
 Concen: 1.445 ng/ul
 RT: 21.32 min Scan# 3089
 Delta R.T. 0.04 min
 Lab File: BN006018.D
 Acq: 02 Jun 2019 06:41

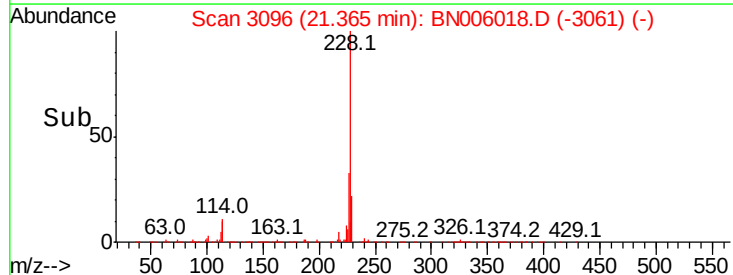
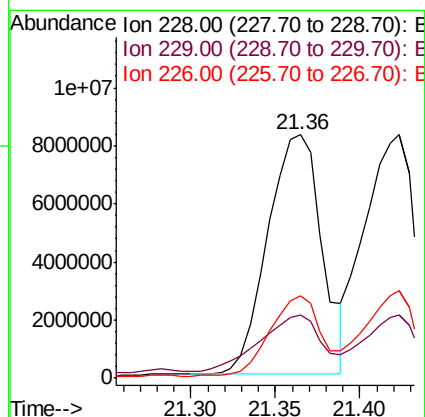
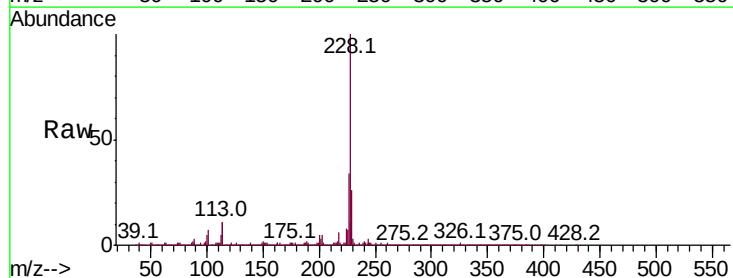
Instrument :
 BNA_N
 ClientSampled :

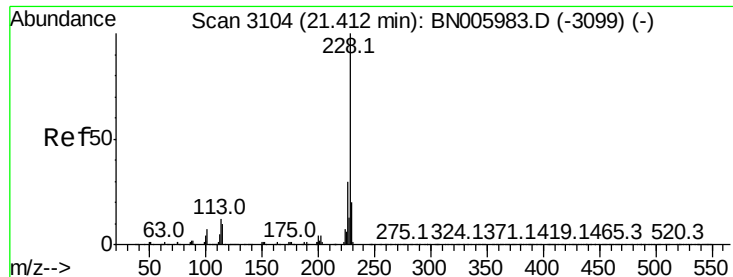
Tot Ion:252 Resp: 26772
 Ion Ratio Lower Upper
 252 100
 254 31.5 51.1 76.7#
 126 56.6 9.4 14.0#



#82
 Benzo(a)anthracene
 Concen: 312.996 ng/ul
 RT: 21.36 min Scan# 3096
 Delta R.T. 0.01 min
 Lab File: BN006018.D
 Acq: 02 Jun 2019 06:41

Tgt Ion:228 Resp:18361457
 Ion Ratio Lower Upper
 228 100
 229 25.8 15.8 23.6#
 226 34.1 21.4 32.2#





#84

Chrysene

Concen: 306.094 ng/ul

RT: 21.42 min Scan# 3106

Delta R.T. 0.01 min

Lab File: BN006018.D

Acq: 02 Jun 2019 06:41

Instrument :

BNA_N

ClientSampleId :

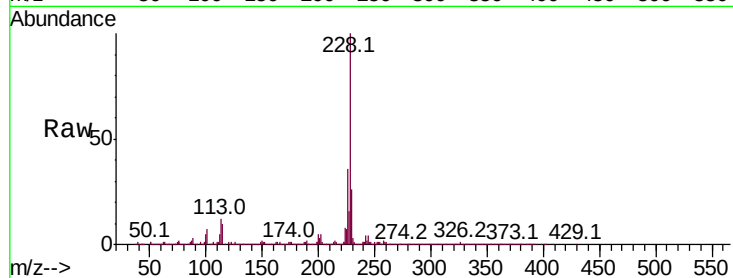
Tot Ion:228 Resp:16747531

Ion Ratio Lower Upper

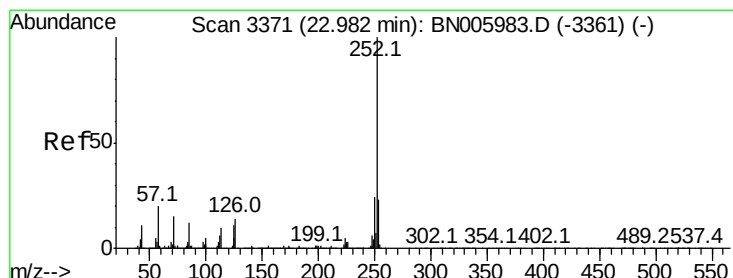
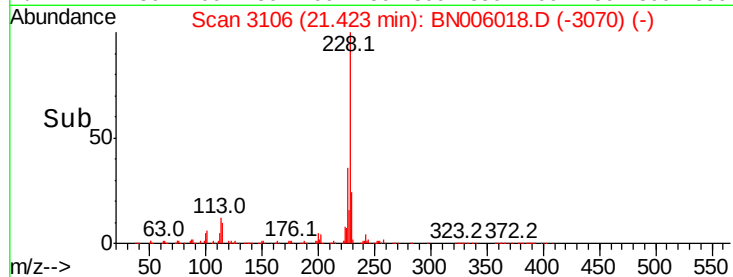
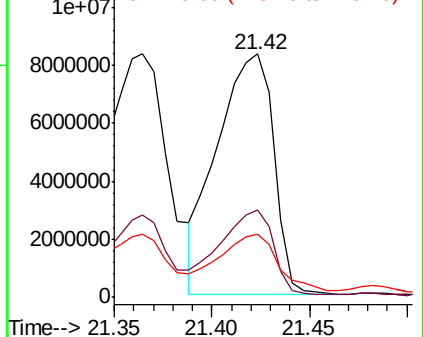
228 100

226 35.9 24.0 36.0

229 25.7 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: 221.945 ng/ul

RT: 23.01 min Scan# 3375

Delta R.T. 0.02 min

Lab File: BN006018.D

Acq: 02 Jun 2019 06:41

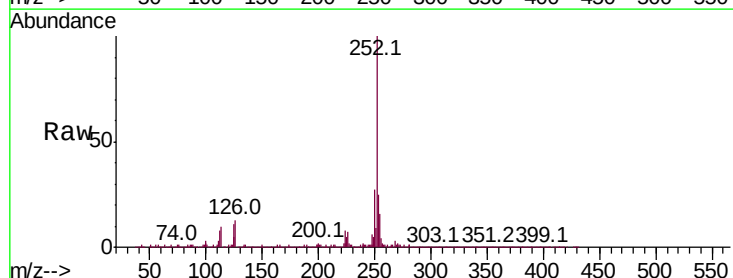
Tgt Ion:252 Resp:18932180

Ion Ratio Lower Upper

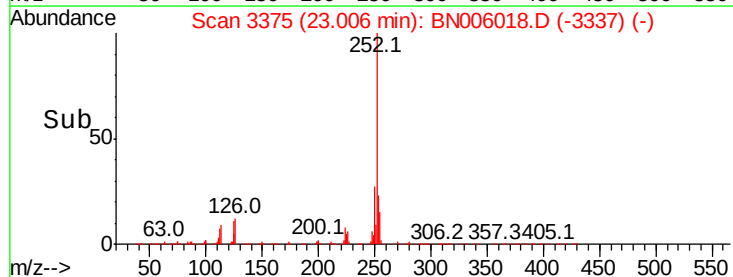
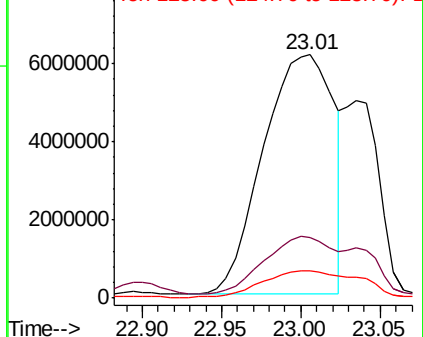
252 100

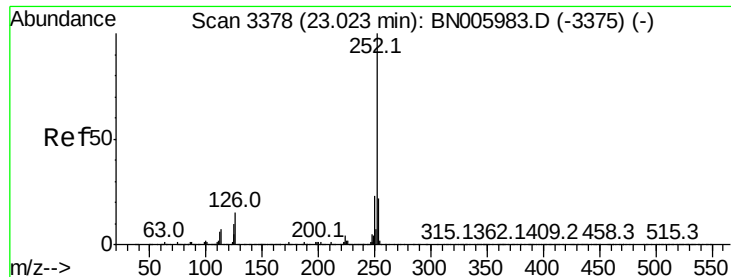
253 24.6 17.7 26.5

125 11.1 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: 241.391 ng/ul

RT: 23.01 min Scan# 3375

Delta R.T. -0.02 min

Lab File: BN006018.D

Acq: 02 Jun 2019 06:41

Instrument :

BNA_N

ClientSampleId :

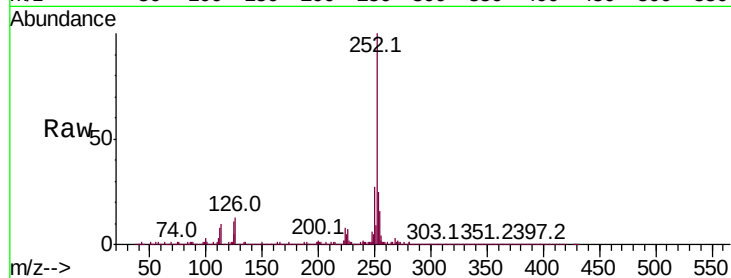
Tot Ion:252 Resp:18932180

Ion Ratio Lower Upper

252 100

253 24.6 17.4 26.0

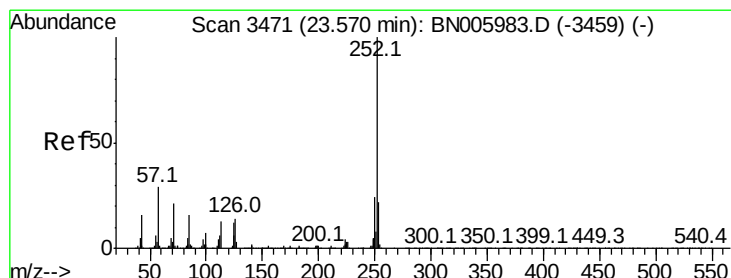
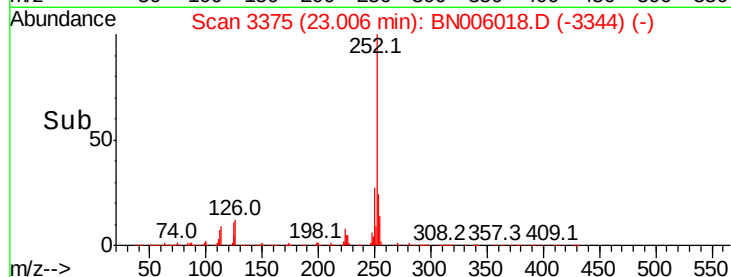
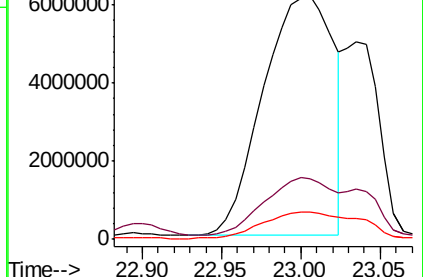
125 11.1 7.5 11.3



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: 201.955 ng/ul

RT: 23.59 min Scan# 3475

Delta R.T. 0.02 min

Lab File: BN006018.D

Acq: 02 Jun 2019 06:41

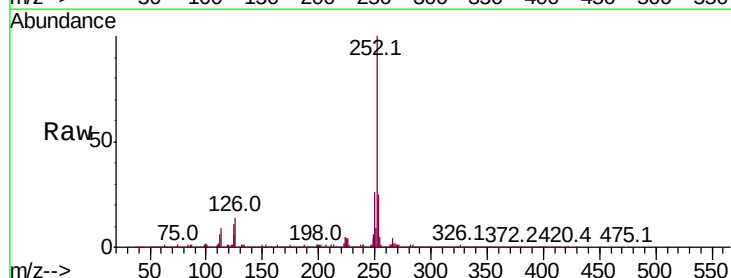
Tgt Ion:252 Resp:16245545

Ion Ratio Lower Upper

252 100

253 25.1 17.3 25.9

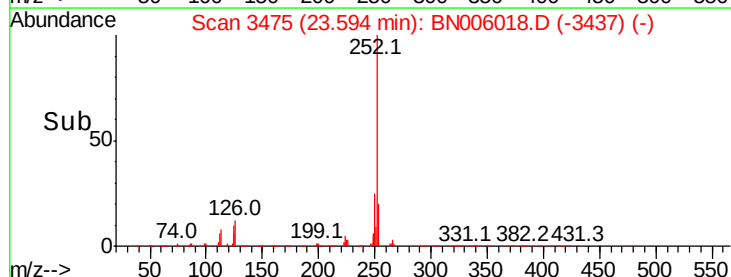
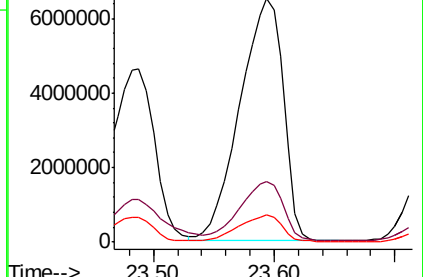
125 11.0 8.6 13.0

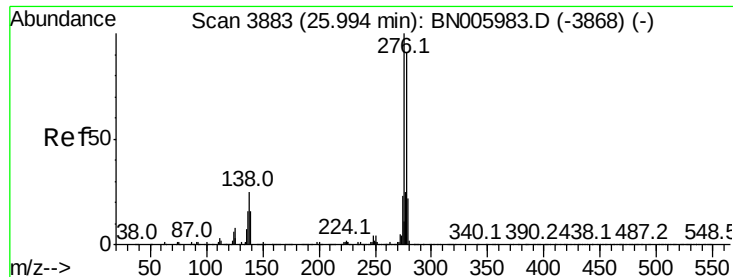


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



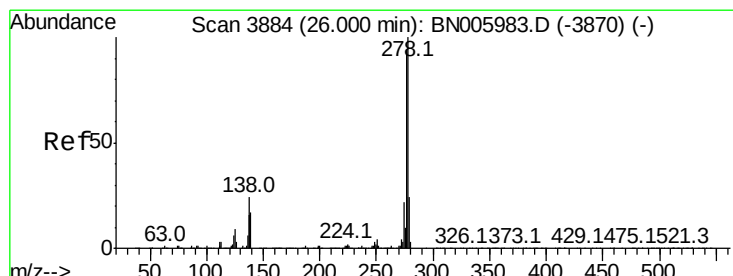
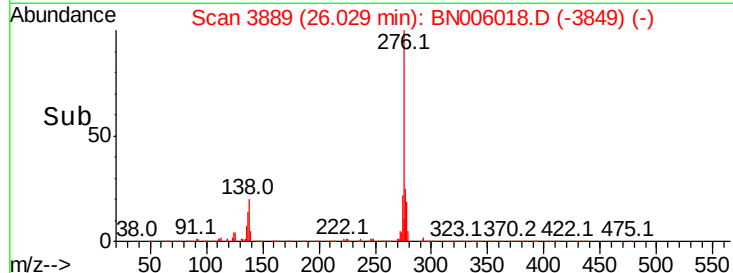
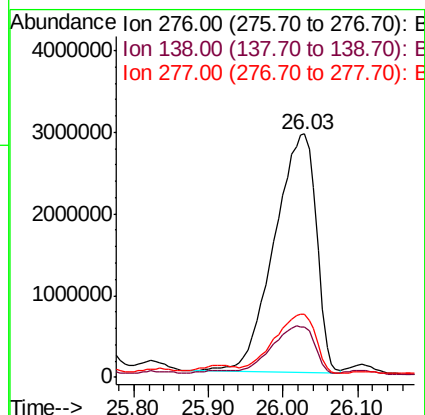
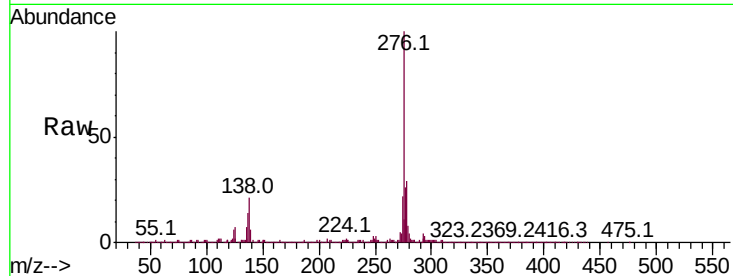


#91

Indeno(1,2,3-cd)pyrene
Concen: 120.888 ng/ul
RT: 26.03 min Scan# 3889
Delta R.T. 0.04 min
Lab File: BN006018.D
Acq: 02 Jun 2019 06:41

Instrument :
BNA_N
ClientSampleId :

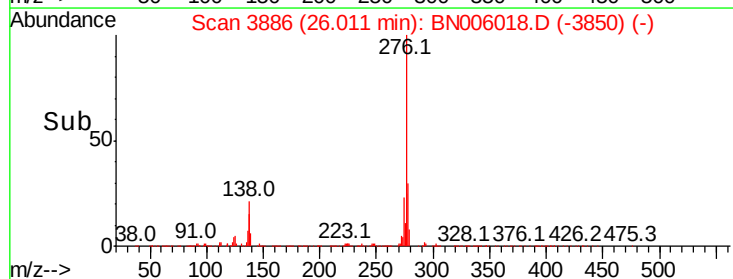
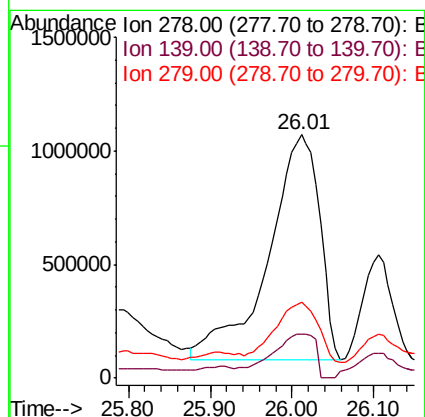
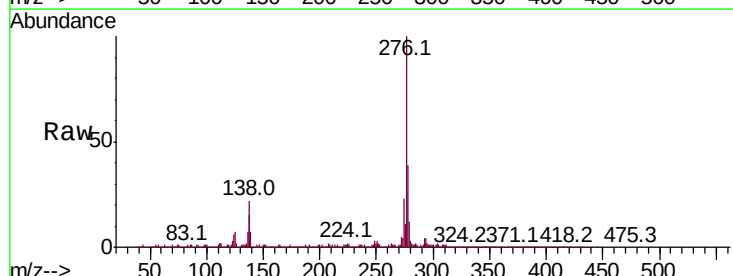
Tot Ion:276 Resp:11410698
Ion Ratio Lower Upper
276 100
138 20.5 17.9 26.9
277 26.0 19.7 29.5

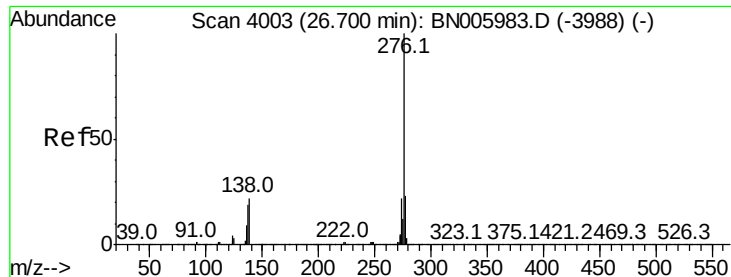


#92

Dibenzo(a,h)anthracene
Concen: 55.144 ng/ul
RT: 26.01 min Scan# 3886
Delta R.T. 0.01 min
Lab File: BN006018.D
Acq: 02 Jun 2019 06:41

Tgt Ion:278 Resp: 4333687
Ion Ratio Lower Upper
278 100
139 17.9 13.1 19.7
279 31.3 19.4 29.0#





#93

Benzo(a,h,i)perylene

Concen: 125.231 ng/ul

RT: 26.74 min Scan# 4010

Delta R.T. 0.04 min

Lab File: BN006018.D

Acq: 02 Jun 2019 06:41

Instrument :

BNA_N

ClientSampleId :

Tot Ion:276 Resp: 9955633

Ion Ratio Lower Upper

276 100

138 21.3 16.7 25.1

277 25.4 18.2 27.2

