

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060119\
 Data File : BN006025.D
 Acq On : 02 Jun 2019 10:42
 Operator : JU/SJ
 Sample : K2928-03DLRE 10X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jun 03 01:09:14 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	536112	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.52	136	2260246	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.38	164	1243026	20.00	ng/ul	-0.02
61) Phenanthrene-d10	17.14	188	2334910	20.00	ng/ul	-0.02
77) Chrysene-d12	21.36	240	1439617	20.00	ng/ul	-0.02
85) Perylene-d12	23.65	264	1660197	20.00	ng/ul	-0.02

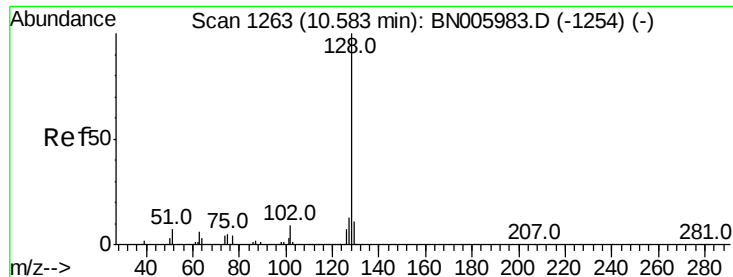
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	6583	0.54	ng/uL	0.00
5) Phenol-d5	6.89	99	132278	2.78	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.06	67	80001	2.95	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.26	132	109931	3.04	ng/ul	-0.01
13) 4-Methylphenol-d8	8.43	113	95629	2.49	ng/ul	-0.02
19) Nitrobenzene-d5	8.88	128	50341	3.47	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.60	143	51874	3.84	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.14	165	96101	3.01	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.65	131	39249	0.94	ng/ul	-0.02
43) Dimethylphthalate-d6	13.79	166	311492	3.40	ng/ul	-0.02
46) Acenaphthylene-d8	14.07	160	388099	3.39	ng/ul	-0.02
51) 4-Nitrophenol-d4	14.59	143	33191	1.99	ng/ul	-0.02
57) Fluorene-d10	15.38	176	342059	4.45	ng/ul	-0.02
62) 4,6-Dinitro-2-methylphenol	15.51	200	3040	0.32	ng/ul	-0.02
70) Anthracene-d10	17.24	188	343093	3.45	ng/ul	-0.02
78) Pyrene-d10	19.55	212	290671	4.00	ng/ul	-0.02
89) Benzo(a)pyrene-d12	23.50	264	251298	3.39	ng/ul	-0.02

Target Compounds

					Ovalue	
28) Naphthalene	10.57	128	236269	2.203	ng/ul	98
44) Dimethylphthalate	13.84	163	113193	1.236	ng/ul	99
49) Acenaphthene	14.45	153	304097	3.982	ng/ul	99
53) Dibenzofuran	14.78	168	271778	2.521	ng/ul	98
58) Fluorene	15.44	166	429034	5.067	ng/ul	97
69) Phenanthrene	17.18	178	5403382	46.707	ng/ul	99
71) Anthracene	17.27	178	1480330	12.604	ng/ul	100
74) Carbazole	17.54	167	671506	6.347	ng/ul	99
76) Fluoranthene	19.21	202	6023881	48.777	ng/ul	96
79) Pyrene	19.58	202	4905786	53.795	ng/ul	98
82) Benzo(a)anthracene	21.34	228	2310521	25.531	ng/ul	98
84) Chrysene	21.39	228	2011306	23.829	ng/ul	97
87) Benzo(b)fluoranthene	22.96	252	2415970	25.909	ng/ul	97
88) Benzo(k)fluoranthene	22.96	252	2415970	28.179	ng/ul#	96
90) Benzo(a)pyrene	23.55	252	1738323	19.768	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.95	276	1122569	10.879	ng/ul	100
92) Dibenzo(a,h)anthracene	25.96	278	299704	3.489	ng/ul#	89
93) Benzo(g,h,i)perylene	26.66	276	791119	9.103	ng/ul	95

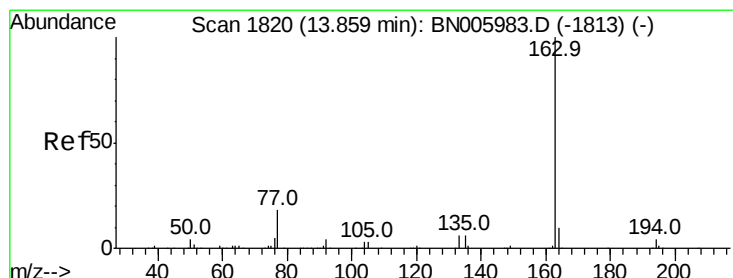
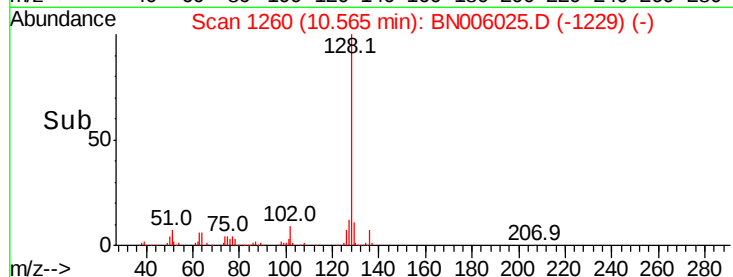
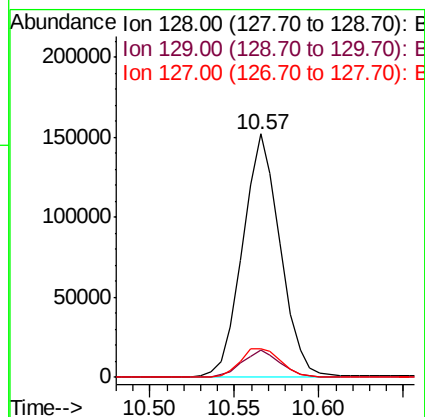
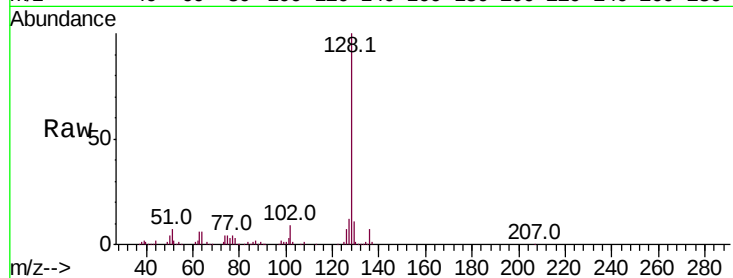
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#28
Naphthalene
Concen: 2.203 ng/ul
RT: 10.57 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BN006025.D
Acq: 02 Jun 2019 10:42

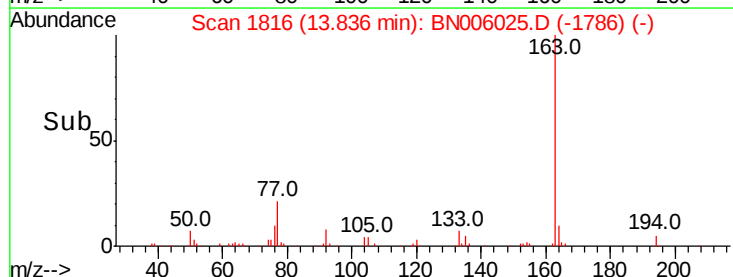
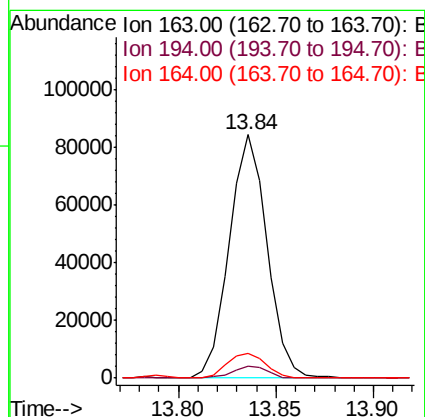
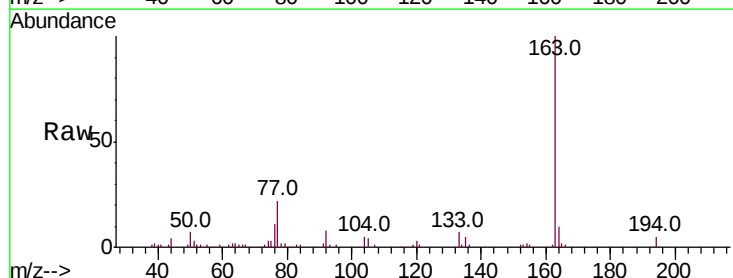
Instrument :
BNA_N
ClientSampleId :

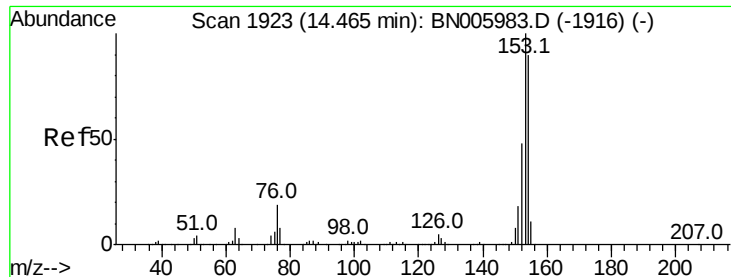
Tot Ion:128 Resp: 236269
Ion Ratio Lower Upper
128 100
129 11.4 9.2 13.8
127 11.9 10.7 16.1



#44
Dimethylphthalate
Concen: 1.236 ng/ul
RT: 13.84 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BN006025.D
Acq: 02 Jun 2019 10:42

Tgt Ion:163 Resp: 113193
Ion Ratio Lower Upper
163 100
194 4.7 3.4 5.0
164 10.3 8.1 12.1





#49

Acenaphthene

Concen: 3.982 ng/ul

RT: 14.45 min Scan# 1920

Delta R.T. -0.02 min

Lab File: BN006025.D

Acq: 02 Jun 2019 10:42

Instrument :

BNA_N

ClientSampleId :

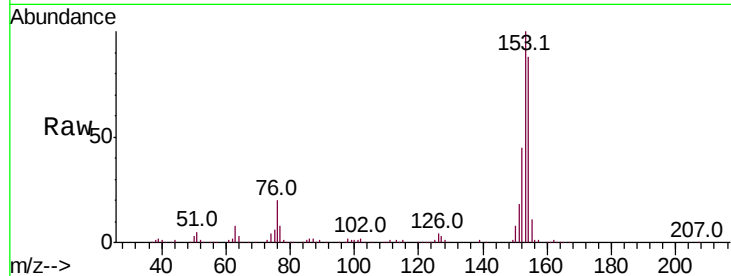
Tot Ion:153 Resp: 304097

Ion Ratio Lower Upper

153 100

152 45.5 37.4 56.0

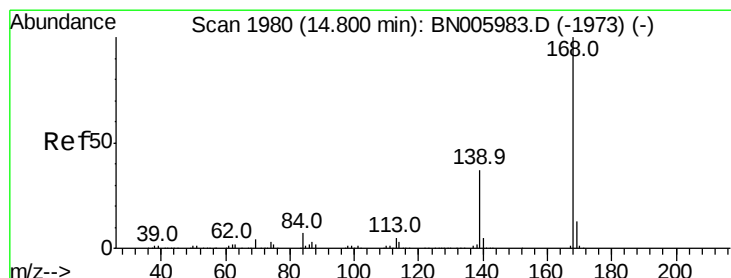
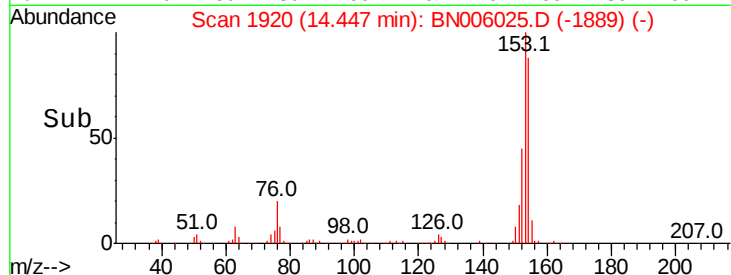
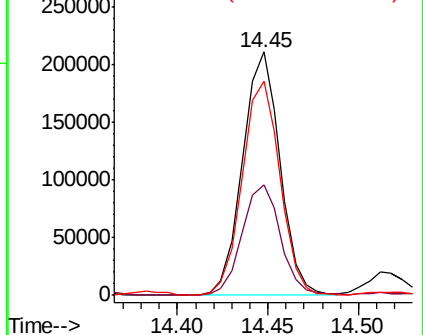
154 88.1 71.2 106.8



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: 2.521 ng/ul

RT: 14.78 min Scan# 1977

Delta R.T. -0.02 min

Lab File: BN006025.D

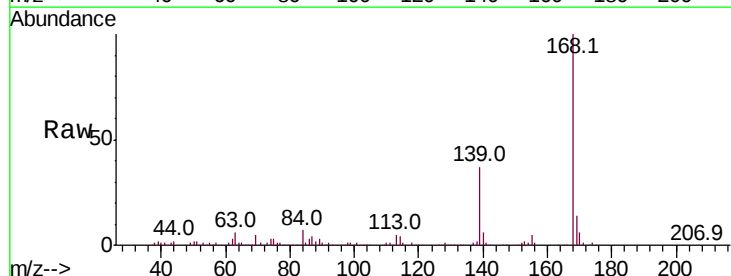
Acq: 02 Jun 2019 10:42

Tgt Ion:168 Resp: 271778

Ion Ratio Lower Upper

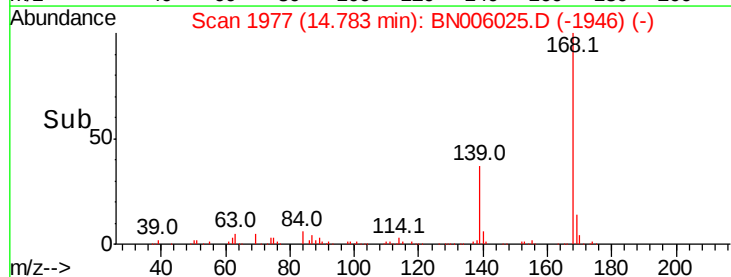
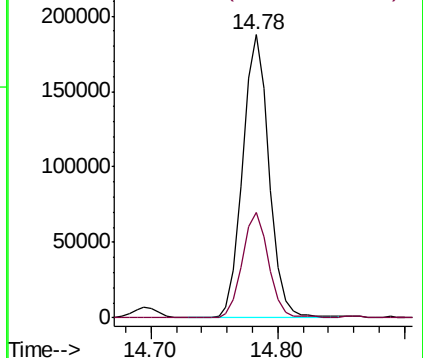
168 100

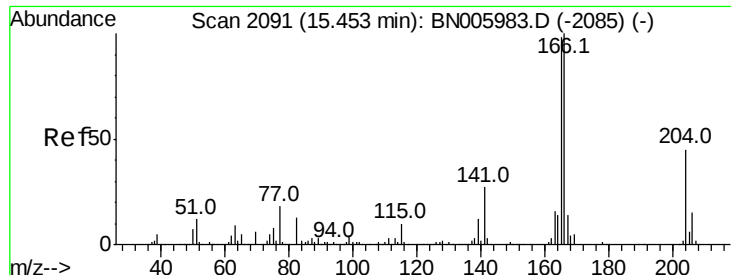
139 37.1 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 5.067 ng/ul

RT: 15.44 min Scan# 2088

Delta R.T. -0.02 min

Lab File: BN006025.D

Acq: 02 Jun 2019 10:42

Instrument :

BNA_N

ClientSampleId :

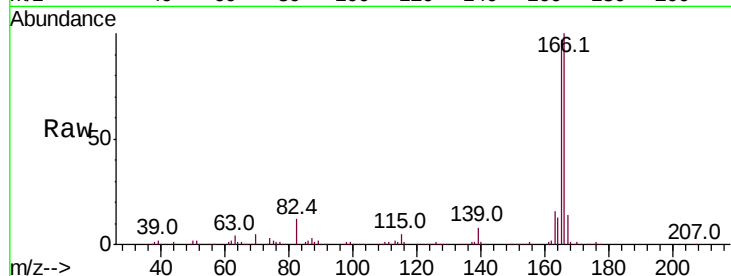
Tot Ion:166 Resp: 429034

Ion Ratio Lower Upper

166 100

165 97.2 80.0 120.0

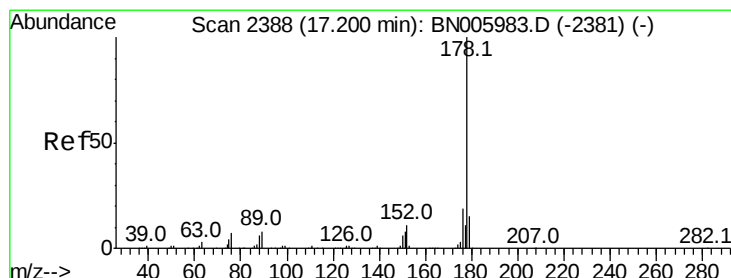
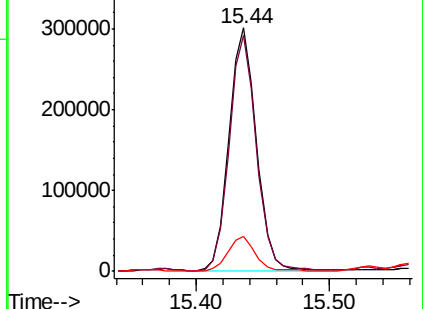
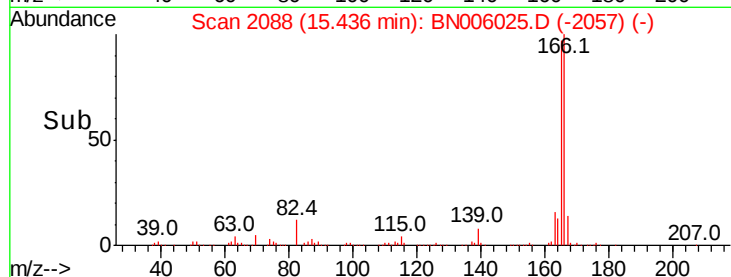
167 14.2 10.7 16.1



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: 46.707 ng/ul

RT: 17.18 min Scan# 2385

Delta R.T. -0.02 min

Lab File: BN006025.D

Acq: 02 Jun 2019 10:42

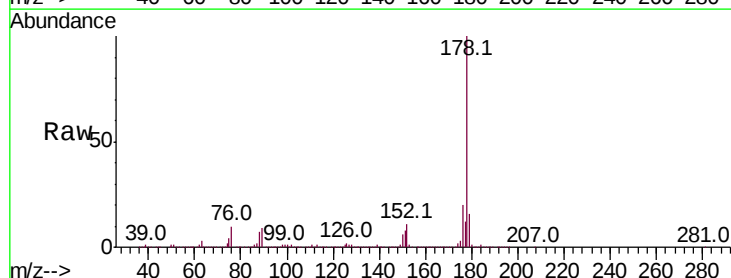
Tgt Ion:178 Resp: 5403382

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.4

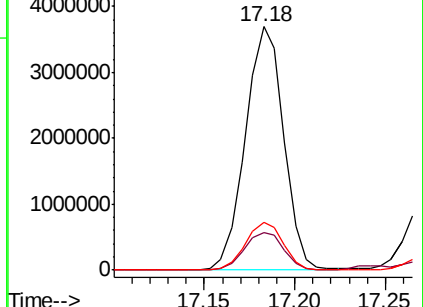
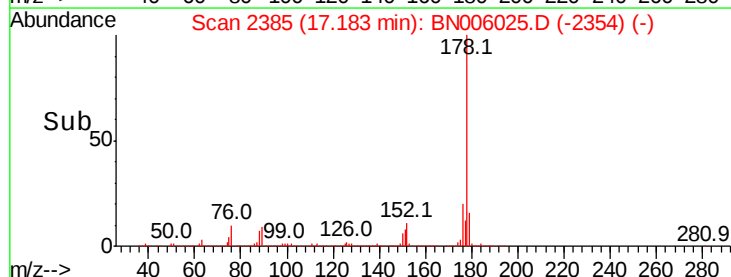
176 19.8 15.1 22.7

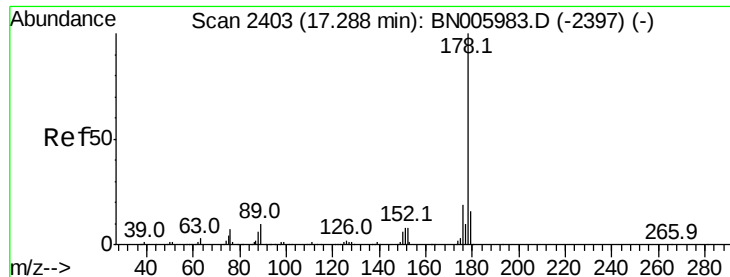


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

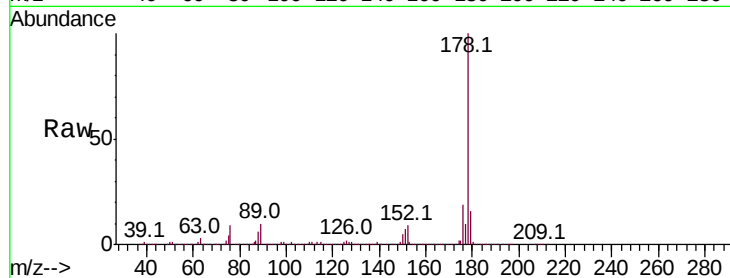




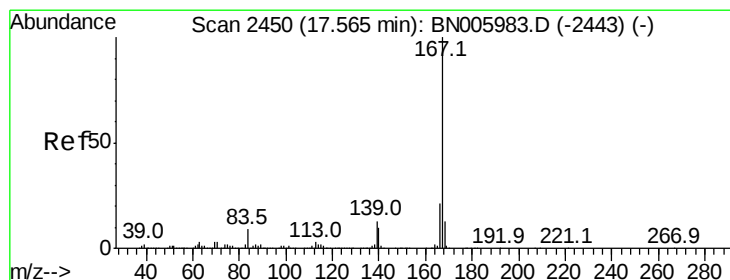
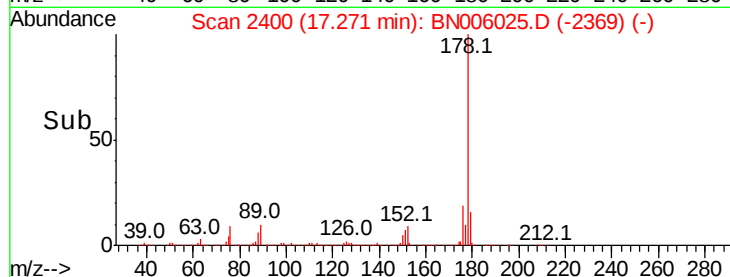
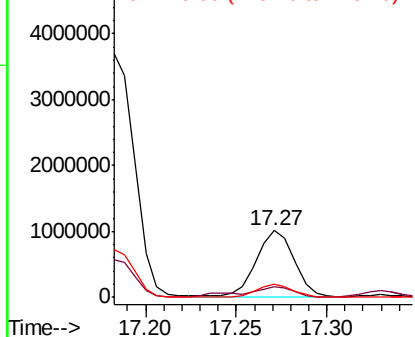
#71
 Anthracene
 Concen: 12.604 ng/ul
 RT: 17.27 min Scan# 2400
 Delta R.T. -0.02 min
 Lab File: BN006025.D
 Acq: 02 Jun 2019 10:42

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:178 Resp: 1480330
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.3 18.5
 176 18.9 15.1 22.7

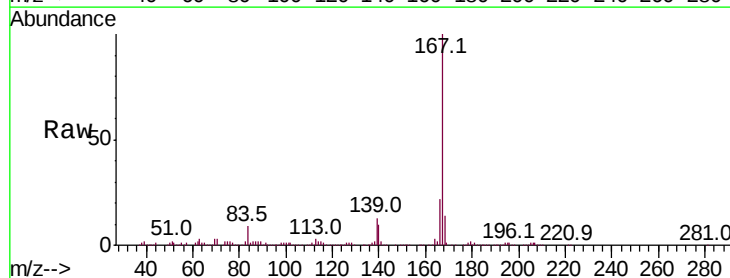


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

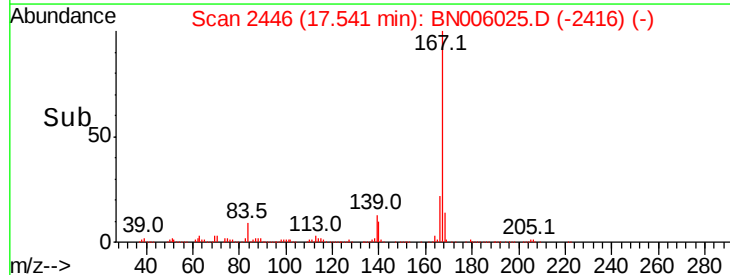
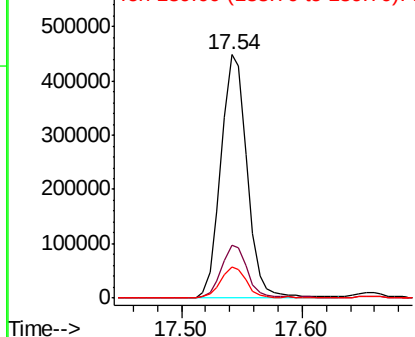


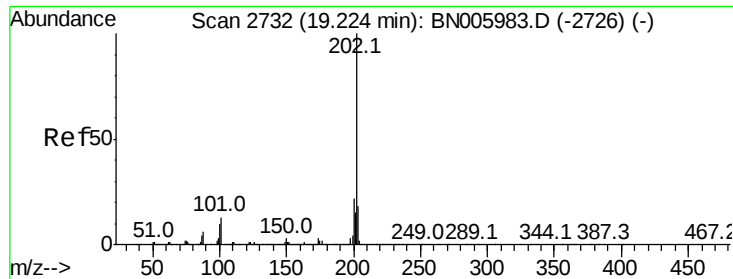
#74
 Carbazole
 Concen: 6.347 ng/ul
 RT: 17.54 min Scan# 2446
 Delta R.T. -0.02 min
 Lab File: BN006025.D
 Acq: 02 Jun 2019 10:42

Tgt Ion:167 Resp: 671506
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.2 25.8
 139 12.8 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

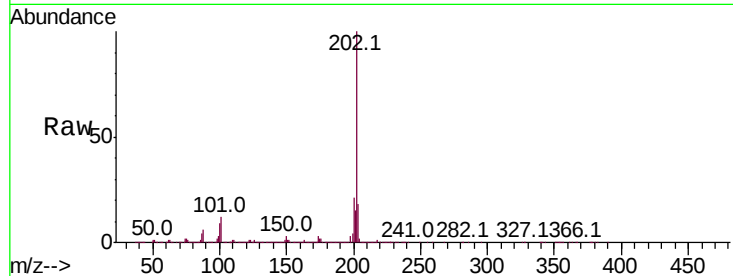




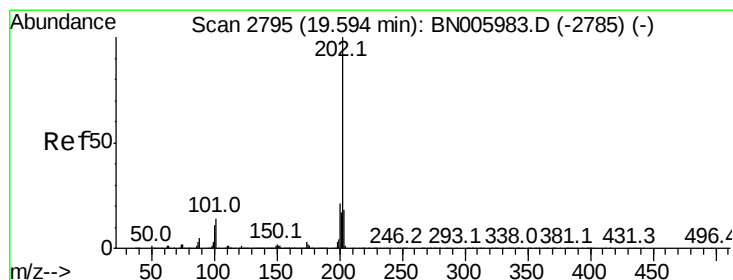
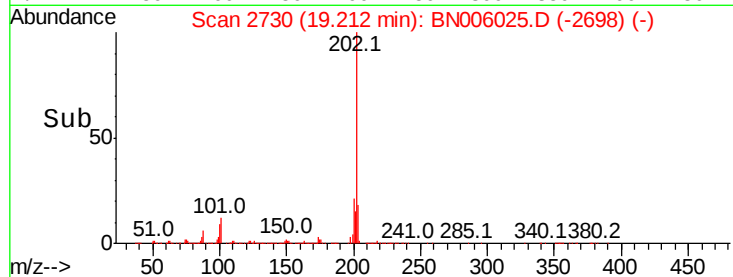
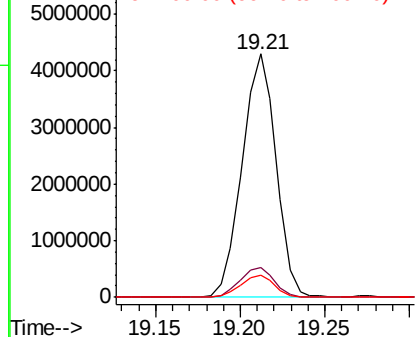
#76
Fluoranthene
Concen: 48.777 ng/ul
RT: 19.21 min Scan# 2730
Delta R.T. -0.01 min
Lab File: BN006025.D
Acq: 02 Jun 2019 10:42

Instrument :
BNA_N
ClientSampled :

Tot Ion:202 Resp: 6023881
Ion Ratio Lower Upper
202 100
101 12.2 8.6 12.8
100 9.2 6.3 9.5

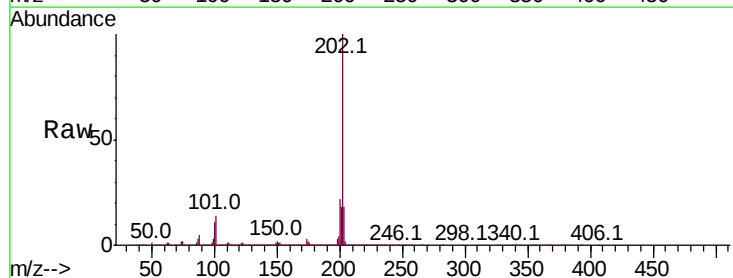


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

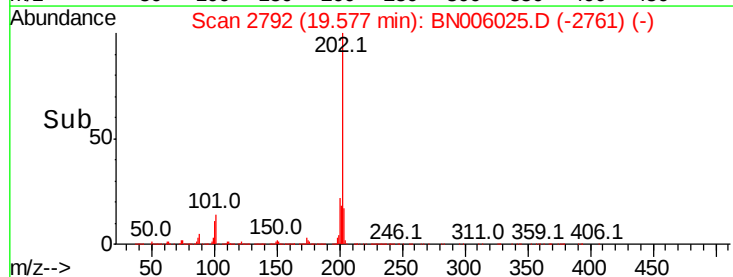
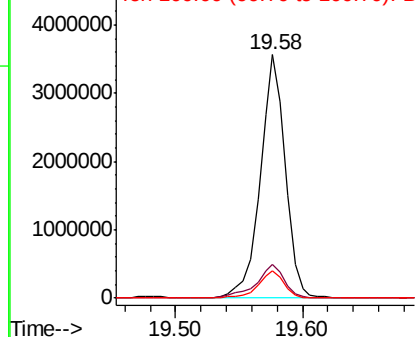


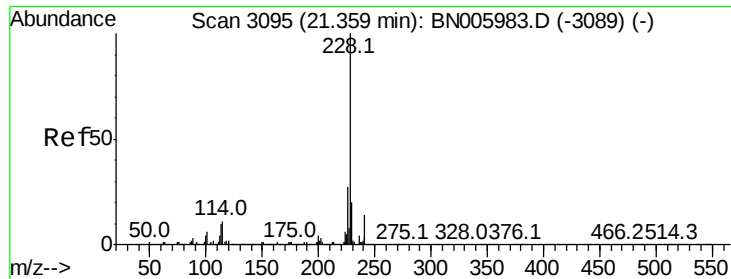
#79
Pyrene
Concen: 53.795 ng/ul
RT: 19.58 min Scan# 2792
Delta R.T. -0.02 min
Lab File: BN006025.D
Acq: 02 Jun 2019 10:42

Tgt Ion:202 Resp: 4905786
Ion Ratio Lower Upper
202 100
101 13.6 10.3 15.5
100 11.1 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

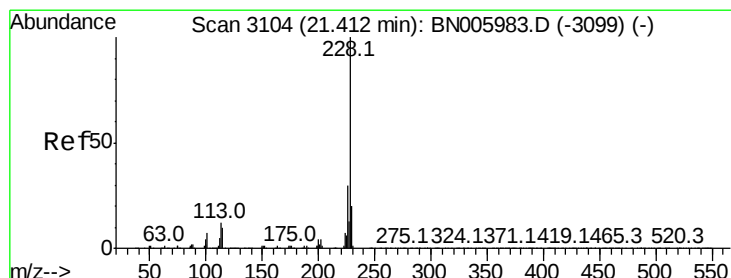
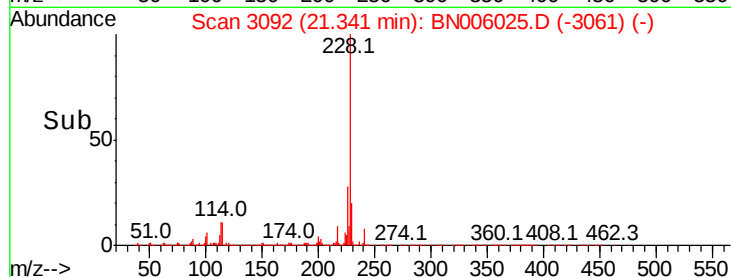
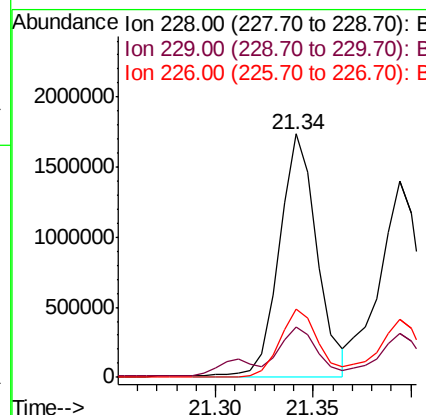
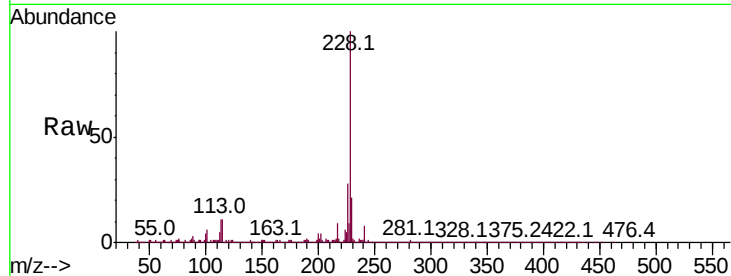




#82
Benzo(a)anthracene
Concen: 25.531 ng/ul
RT: 21.34 min Scan# 3092
Delta R.T. -0.02 min
Lab File: BN006025.D
Acq: 02 Jun 2019 10:42

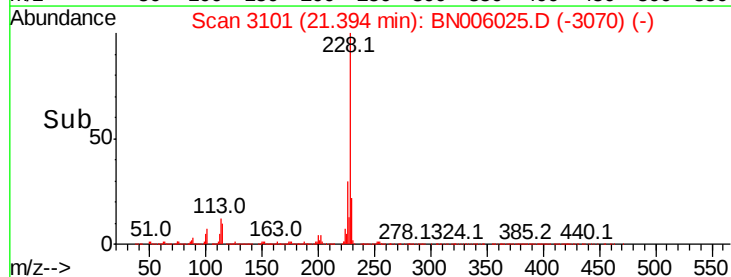
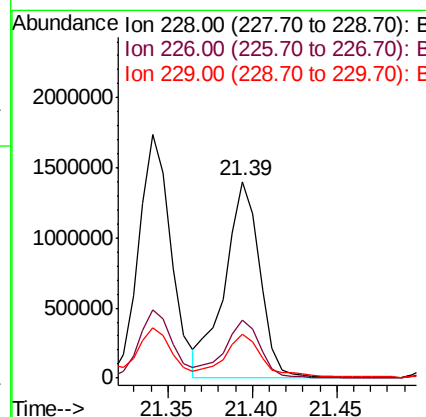
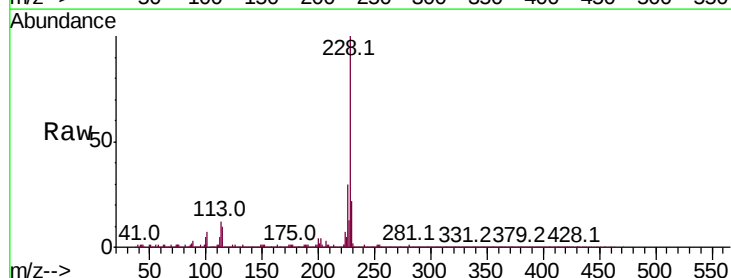
Instrument :
BNA_N
ClientSampleId :

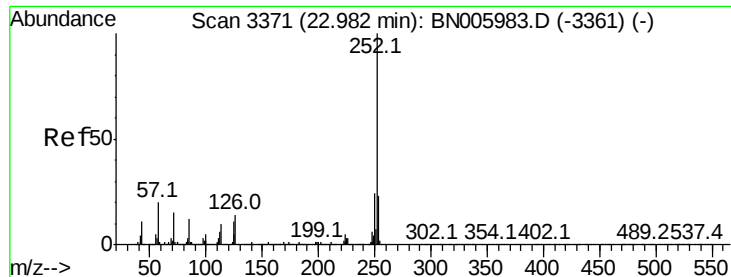
Tot Ion:228 Resp: 2310521
Ion Ratio Lower Upper
228 100
229 20.6 15.8 23.6
226 28.0 21.4 32.2



#84
Chrysene
Concen: 23.829 ng/ul
RT: 21.39 min Scan# 3101
Delta R.T. -0.02 min
Lab File: BN006025.D
Acq: 02 Jun 2019 10:42

Tgt Ion:228 Resp: 2011306
Ion Ratio Lower Upper
228 100
226 29.7 24.0 36.0
229 22.5 15.4 23.0





#87

Benzo(b)fluoranthene

Concen: 25.909 ng/ul

RT: 22.96 min Scan# 3368

Delta R.T. -0.02 min

Lab File: BN006025.D

Acq: 02 Jun 2019 10:42

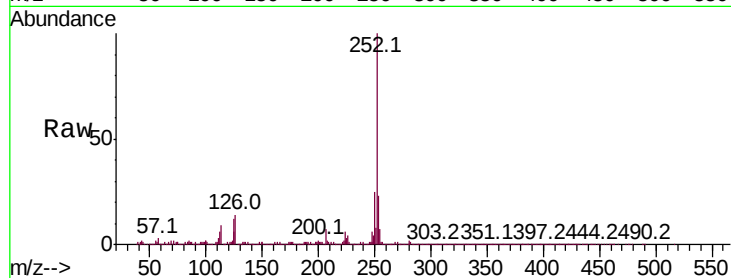
Instrument :

BNA_N

ClientSampled :

Tot Ion:252 Resp: 2415970

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.7	26.5
125	11.7	8.4	12.6

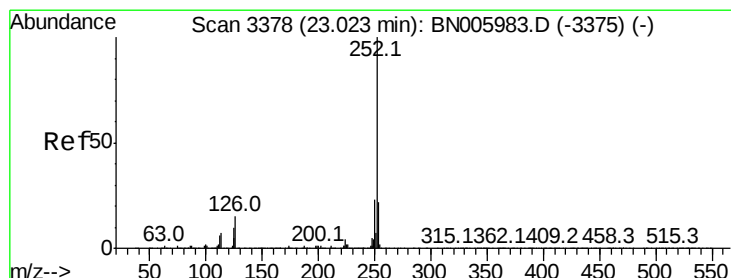
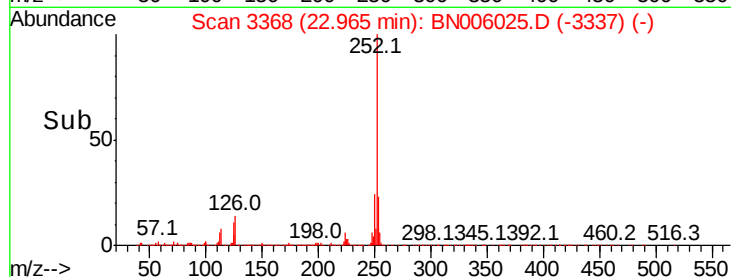
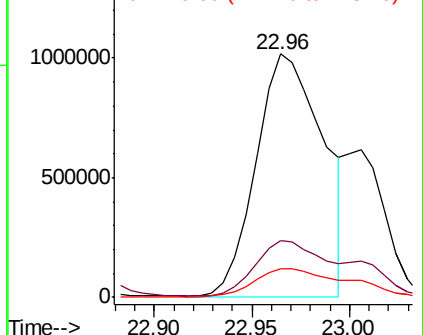


Abundance

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: 28.179 ng/ul

RT: 22.96 min Scan# 3368

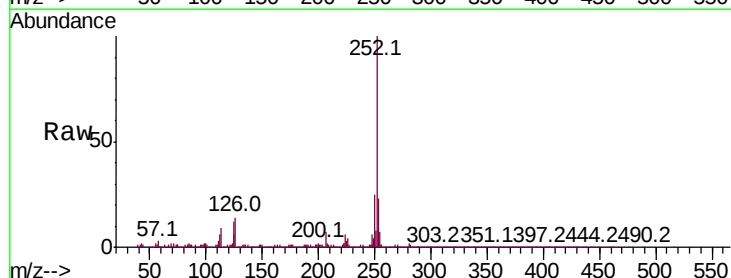
Delta R.T. -0.06 min

Lab File: BN006025.D

Acq: 02 Jun 2019 10:42

Tgt Ion:252 Resp: 2415970

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	11.7	7.5	11.3

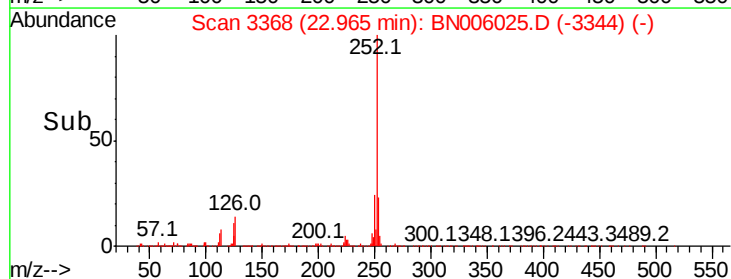
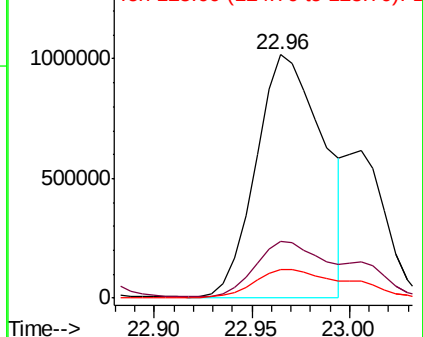


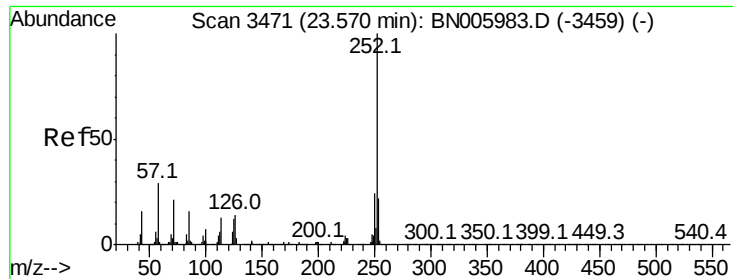
Abundance

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: 19.768 ng/ul

RT: 23.55 min Scan# 3468

Delta R.T. -0.02 min

Lab File: BN006025.D

Acq: 02 Jun 2019 10:42

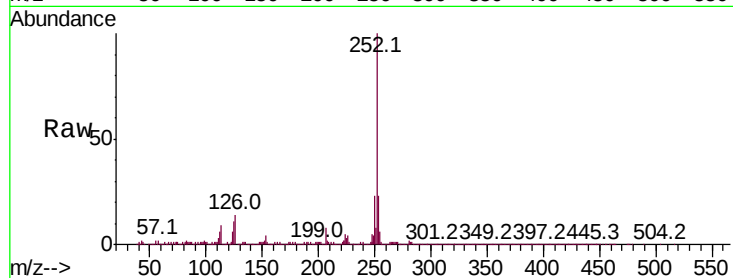
Instrument :

BNA_N

ClientSampleId :

Tot Ion:252 Resp: 1738323

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.3	25.9
125	11.2	8.6	13.0

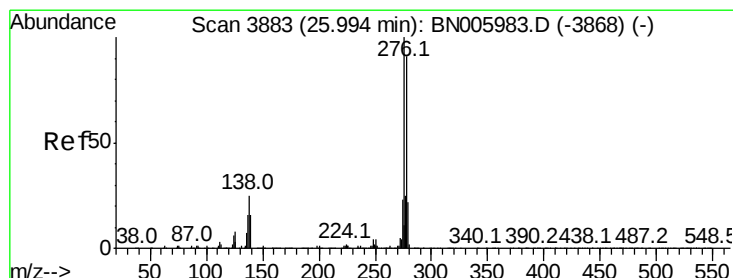
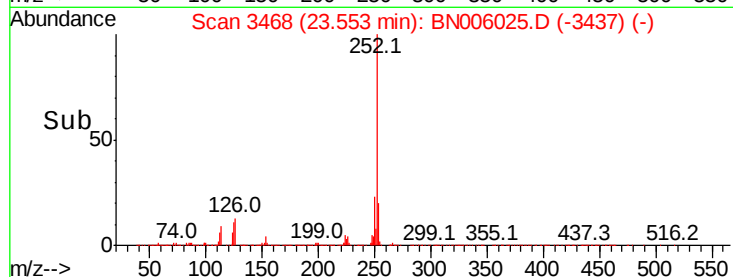
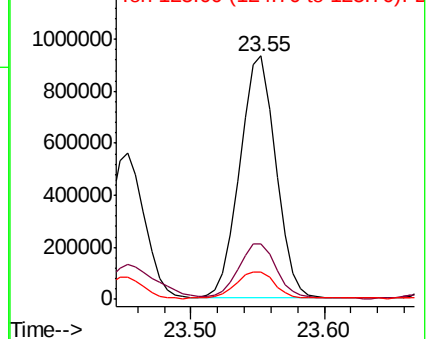


Abundance

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: 10.879 ng/ul

RT: 25.95 min Scan# 3876

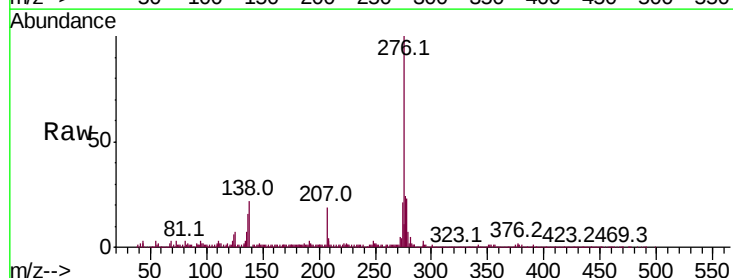
Delta R.T. -0.04 min

Lab File: BN006025.D

Acq: 02 Jun 2019 10:42

Tgt Ion:276 Resp: 1122569

Ion	Ratio	Lower	Upper
276	100		
138	22.1	17.9	26.9
277	24.4	19.7	29.5

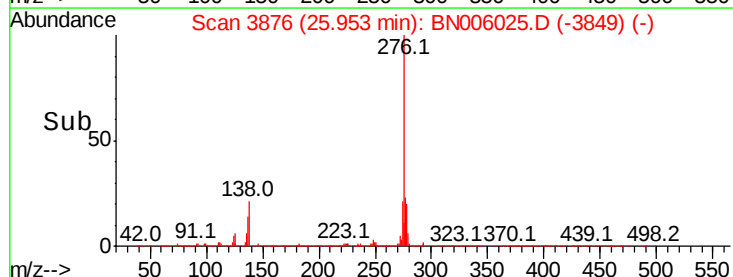
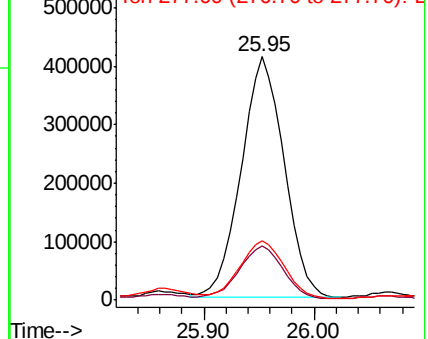


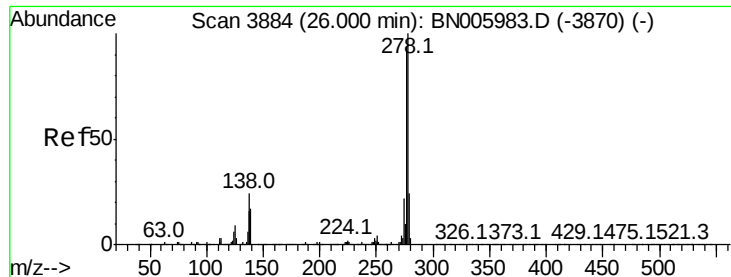
Abundance

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



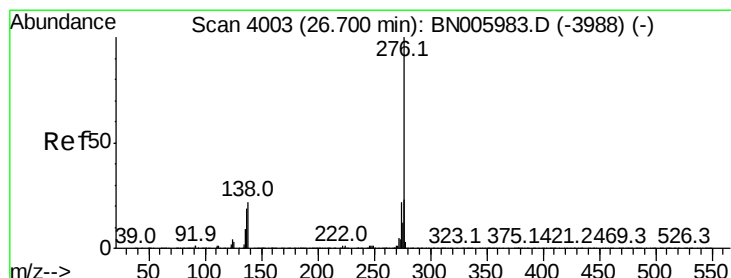
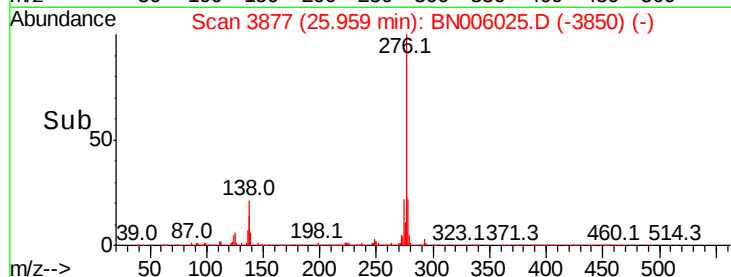
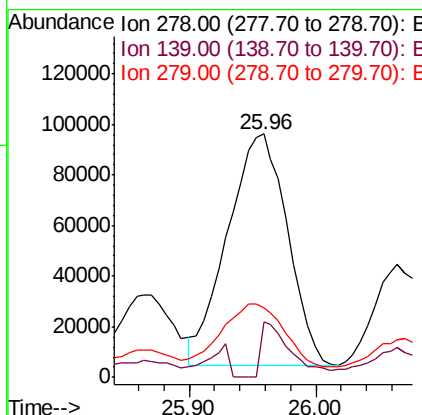
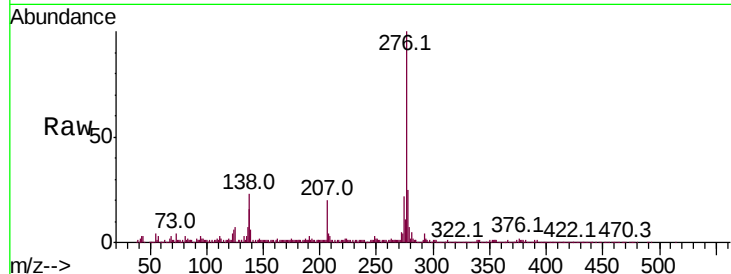


#92

Dibenzo(a,h)anthracene
Concen: 3.489 ng/ul
RT: 25.96 min Scan# 3877
Delta R.T. -0.04 min
Lab File: BN006025.D
Acq: 02 Jun 2019 10:42

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.9	13.1	19.7#
279	28.4	19.4	29.0



#93

Benzo(g,h,i)perylene
Concen: 9.103 ng/ul
RT: 26.66 min Scan# 3996
Delta R.T. -0.04 min
Lab File: BN006025.D
Acq: 02 Jun 2019 10:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.0	16.7	25.1
277	25.8	18.2	27.2

