

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
 Data File : BN005209.D
 Acq On : 23 Apr 2019 11:58
 Operator : JU/SJ
 Sample : K2402-06DL 5X
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 23 15:05:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 23 03:50:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	498845	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	2166657	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1248861	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2703014	20.00	ng/ul	0.00
77) Chrysene-d12	21.24	240	2335686	20.00	ng/ul	0.02
85) Perylene-d12	23.47	264	2562225	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	4989	0.48	ng/uL	0.00
5) Phenol-d5	6.78	99	101412	2.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	66817	2.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	82117	2.74	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	63499	2.07	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	37678	2.83	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	33083	2.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	75859	2.45	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	71370	2.23	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	239239	2.64	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	307599	2.76	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	18463	1.29	ng/ul	0.00
57) Fluorene-d10	15.23	176	223467	2.94	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	2782	0.23	ng/ul	0.00
70) Anthracene-d10	17.09	188	324618	2.86	ng/ul	0.00
78) Pyrene-d10	19.40	212	349474	2.92	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.32	264	318696	2.85	ng/ul	0.04

Target Compounds

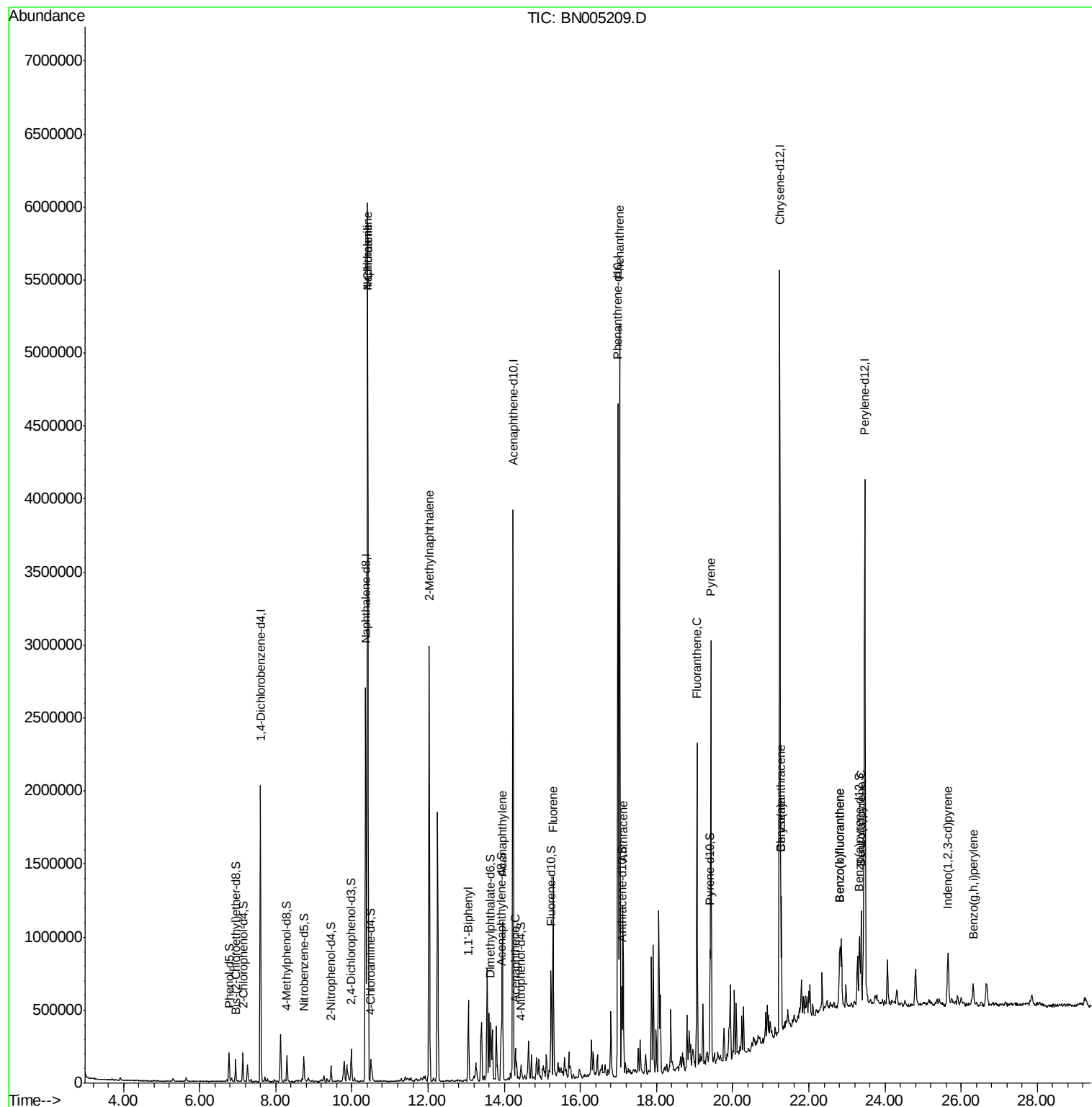
					Ovalue	
28) Naphthalene	10.41	128	4606104	45.730	ng/ul	99
30) 4-Chloroaniline	10.41	127	618162	18.990	ng/ul#	13
34) 2-Methylnaphthalene	12.03	142	1383728	18.762	ng/ul	100
40) 1,1'-Biphenyl	13.06	154	274902	2.954	ng/ul	99
47) Acenaphthylene	13.95	152	669586	6.119	ng/ul	98
49) Acenaphthene	14.30	153	85388	1.143	ng/ul	98
58) Fluorene	15.29	166	610575	7.275	ng/ul	95
69) Phenanthrene	17.03	178	3070702	23.326	ng/ul	100
71) Anthracene	17.12	178	734811	5.479	ng/ul	99
76) Fluoranthene	19.06	202	1248188	8.548	ng/ul	100
79) Pyrene	19.43	202	1788371	11.892	ng/ul	99
82) Benzo(a)anthracene	21.27	228	545379	3.753	ng/ul	97
84) Chrysene	21.27	228	545379	4.044	ng/ul	99
87) Benzo(b)fluoranthene	22.82	252	435789	3.026	ng/ul	99
88) Benzo(k)fluoranthene	22.82	252	435789	3.168	ng/ul	98
90) Benzo(a)pyrene	23.37	252	473154	3.495	ng/ul#	97
91) Indeno(1,2,3-cd)pyrene	25.64	276	184302	1.231	ng/ul	97
93) Benzo(g,h,i)perylene	26.31	276	153430	1.240	ng/ul	96

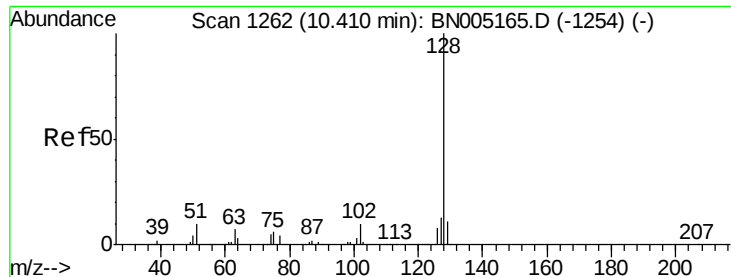
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005209.D
Acq On : 23 Apr 2019 11:58
Operator : JU/SJ
Sample : K2402-06DL 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Apr 23 15:05:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 23 03:50:45 2019
Response via : Initial Calibration





#28

Naphthalene

Concen: 45.730 ng/ul

RT: 10.41 min Scan# 1262

Delta R.T. -0.00 min

Lab File: BN005209.D

Acq: 23 Apr 2019 11:58

Instrument :

BNA_N

ClientSampleId :

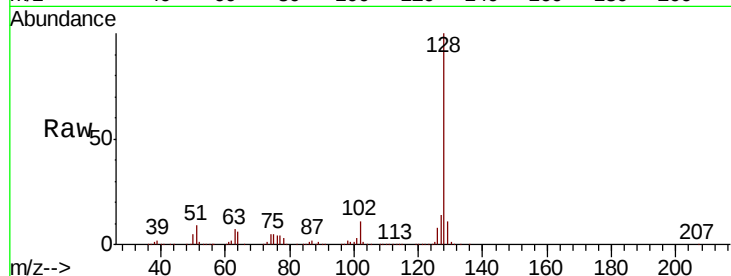
Tot Ion:128 Resp: 4606104

Ion Ratio Lower Upper

128 100

129 11.1 9.2 13.8

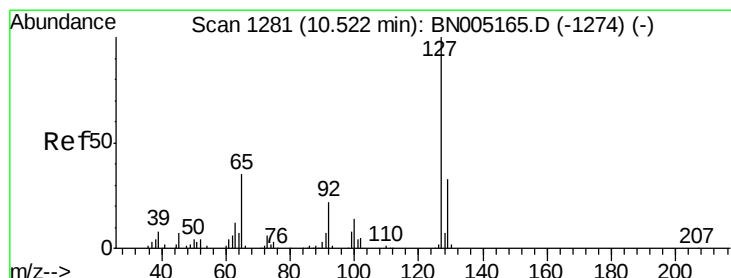
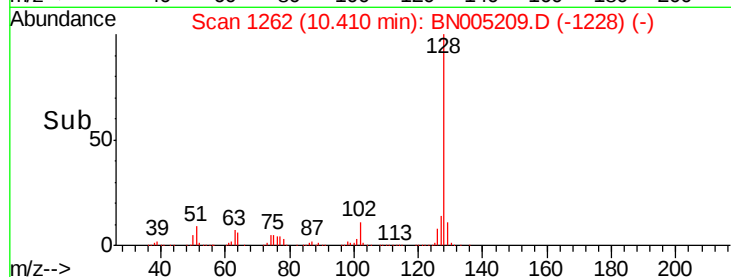
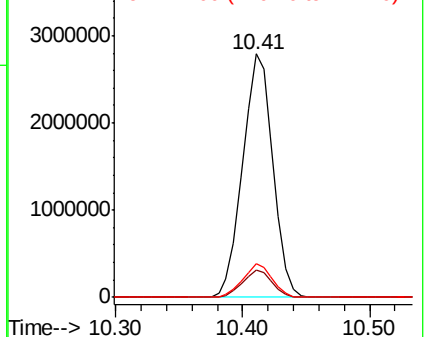
127 13.6 10.7 16.1



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



#30

4-Chloroaniline

Concen: 18.990 ng/ul

RT: 10.41 min Scan# 1262

Delta R.T. -0.11 min

Lab File: BN005209.D

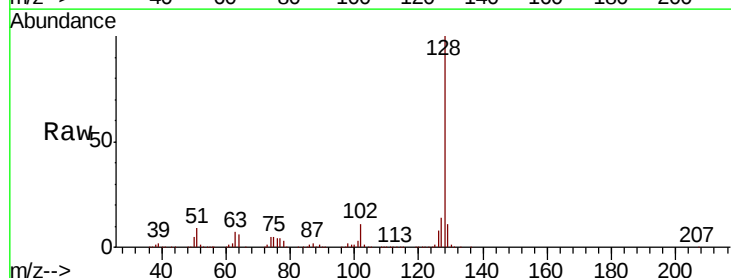
Acq: 23 Apr 2019 11:58

Tgt Ion:127 Resp: 618162

Ion Ratio Lower Upper

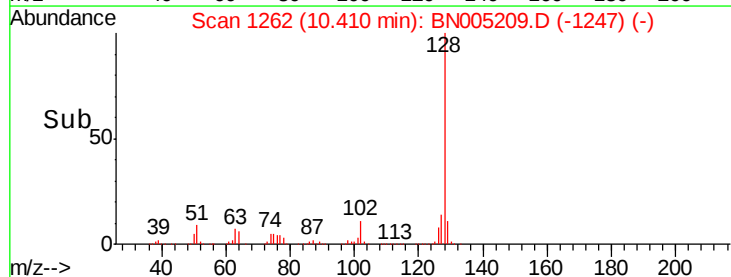
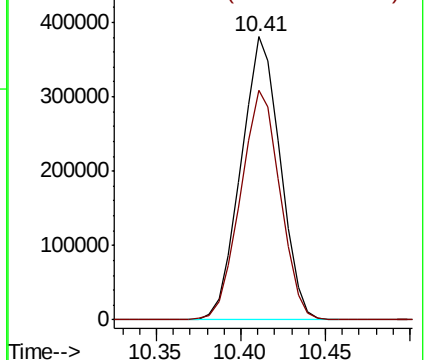
127 100

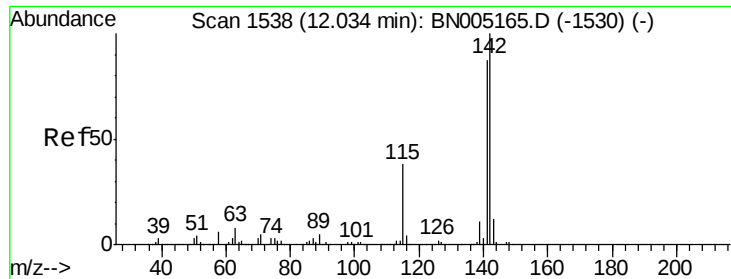
129 81.1 25.8 38.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

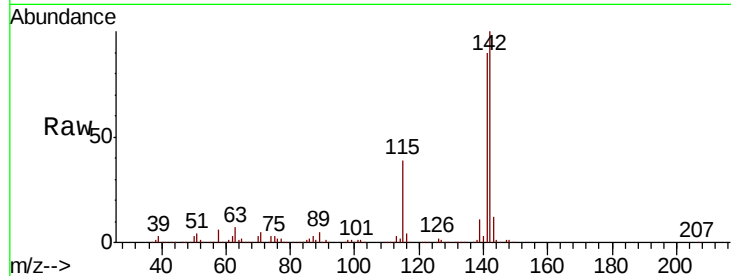




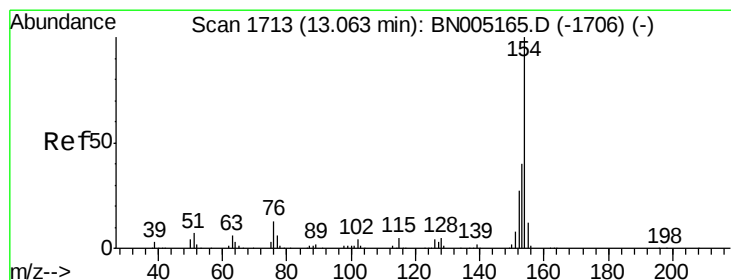
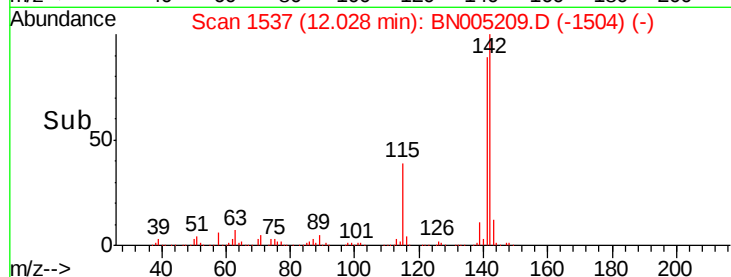
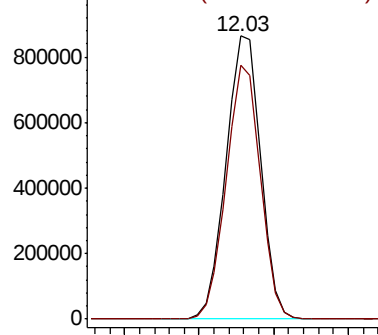
#34
 2-Methylnaphthalene
 Concen: 18.762 ng/ul
 RT: 12.03 min Scan# 1537
 Delta R.T. -0.01 min
 Lab File: BN005209.D
 Acq: 23 Apr 2019 11:58

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:142 Resp: 1383728
 Ion Ratio Lower Upper
 142 100
 141 89.6 72.0 108.0

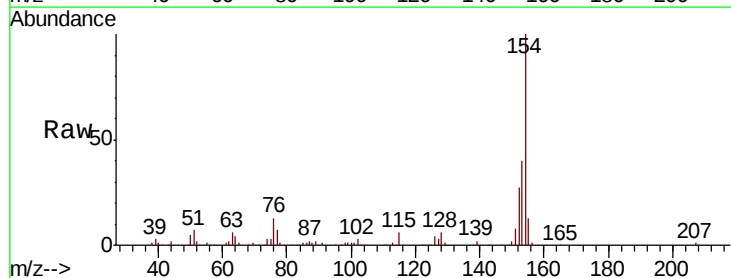


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

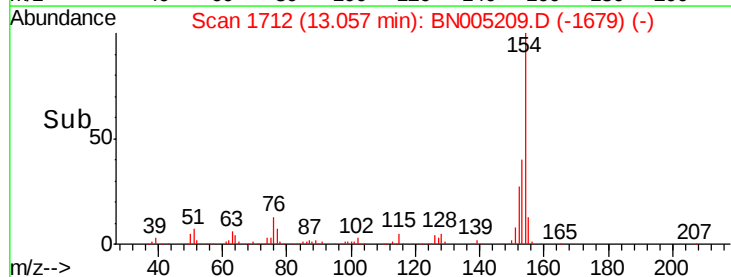
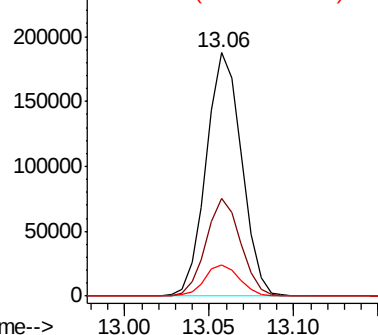


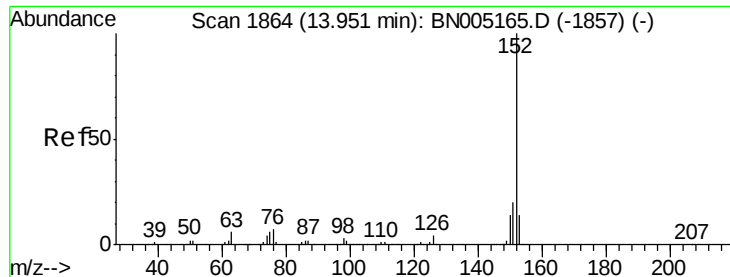
#40
 1,1'-Biphenyl
 Concen: 2.954 ng/ul
 RT: 13.06 min Scan# 1712
 Delta R.T. -0.01 min
 Lab File: BN005209.D
 Acq: 23 Apr 2019 11:58

Tgt Ion:154 Resp: 274902
 Ion Ratio Lower Upper
 154 100
 153 40.4 32.6 49.0
 76 12.8 10.4 15.6



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BNO





#47

Acenaphthylene

Concen: 6.119 ng/ul

RT: 13.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: BN005209.D

Acq: 23 Apr 2019 11:58

Instrument :

BNA_N

ClientSampled :

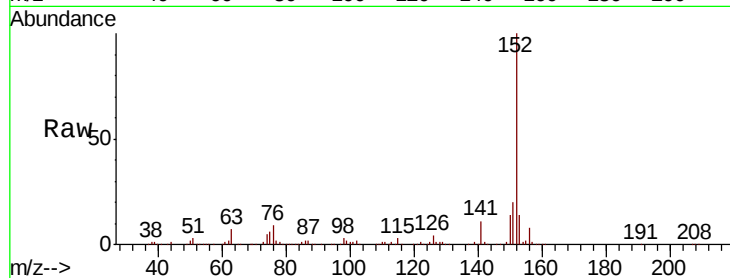
Tot Ion:152 Resp: 669586

Ion Ratio Lower Upper

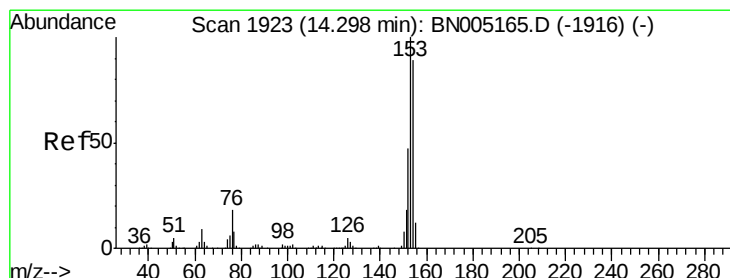
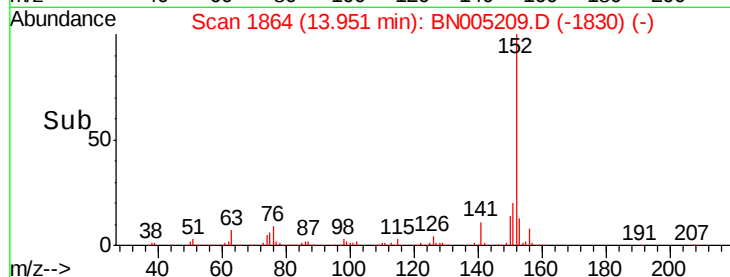
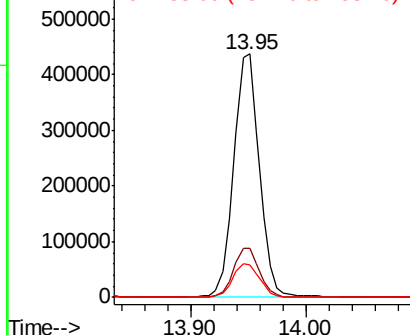
152 100

151 20.2 15.8 23.8

153 13.5 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: 1.143 ng/ul

RT: 14.30 min Scan# 1923

Delta R.T. -0.00 min

Lab File: BN005209.D

Acq: 23 Apr 2019 11:58

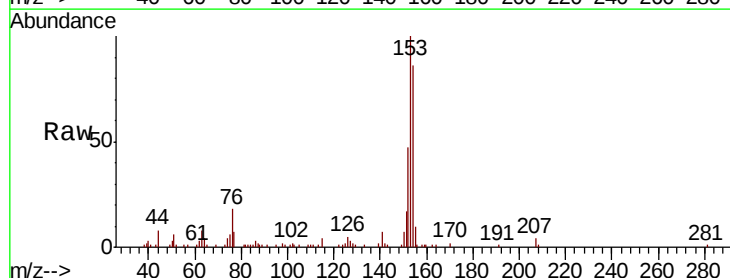
Tgt Ion:153 Resp: 85388

Ion Ratio Lower Upper

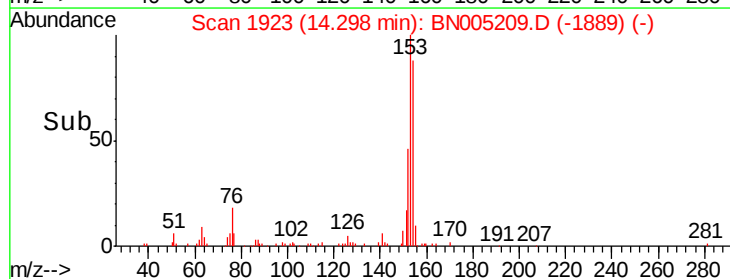
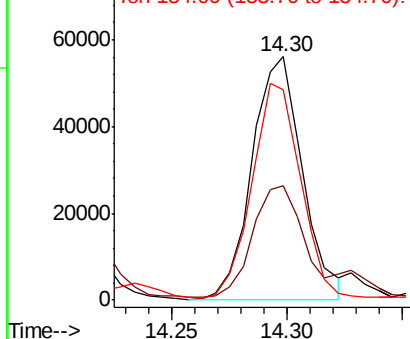
153 100

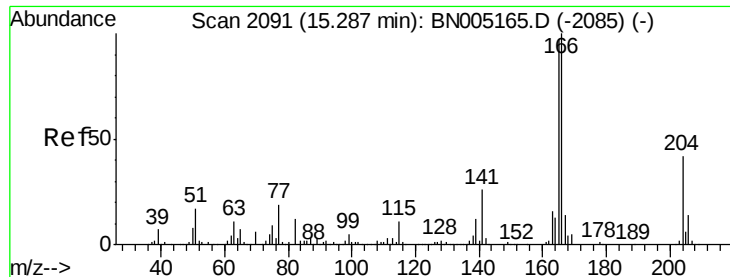
152 46.9 37.4 56.0

154 86.2 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

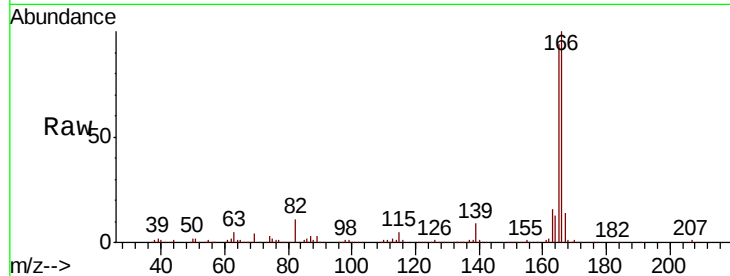




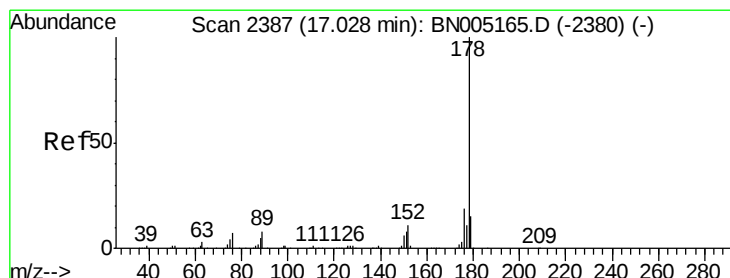
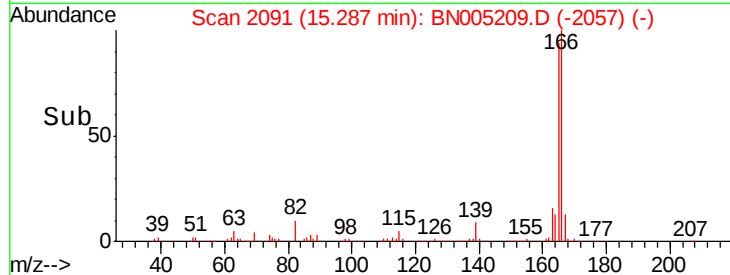
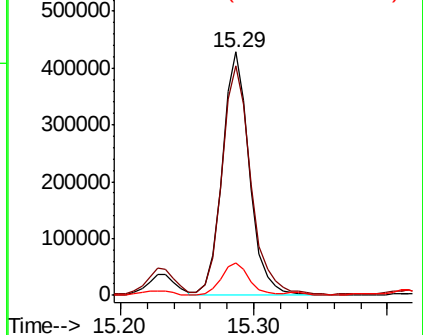
#58
 Fluorene
 Concen: 7.275 ng/ul
 RT: 15.29 min Scan# 2091
 Delta R.T. -0.00 min
 Lab File: BN005209.D
 Acq: 23 Apr 2019 11:58

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:166 Resp: 610575
 Ion Ratio Lower Upper
 166 100
 165 94.4 80.0 120.0
 167 13.5 10.7 16.1

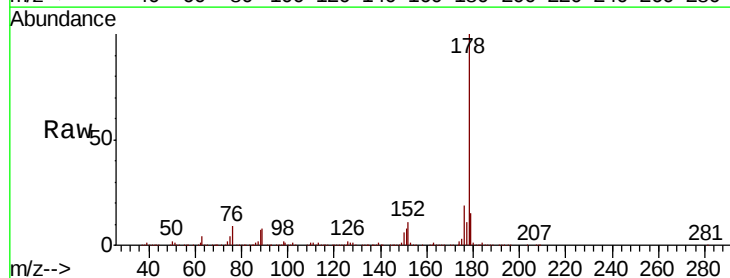


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

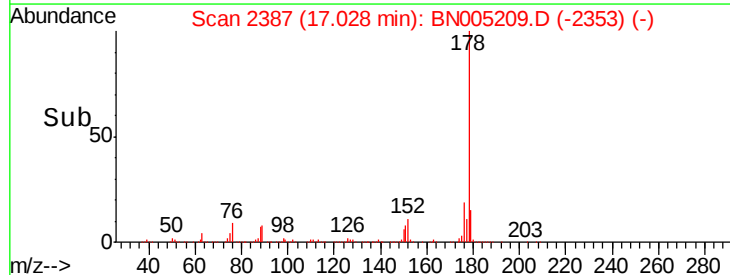
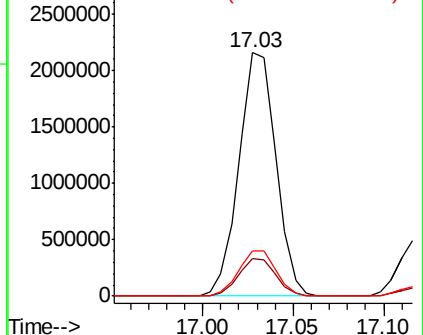


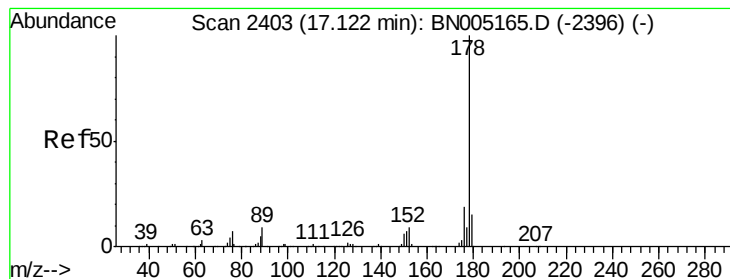
#69
 Phenanthrene
 Concen: 23.326 ng/ul
 RT: 17.03 min Scan# 2387
 Delta R.T. -0.00 min
 Lab File: BN005209.D
 Acq: 23 Apr 2019 11:58

Tgt Ion:178 Resp: 3070702
 Ion Ratio Lower Upper
 178 100
 179 15.2 12.2 18.4
 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





#71

Anthracene

Concen: 5.479 ng/ul

RT: 17.12 min Scan# 2403

Delta R.T. -0.00 min

Lab File: BN005209.D

Acq: 23 Apr 2019 11:58

Instrument :

BNA_N

ClientSampled :

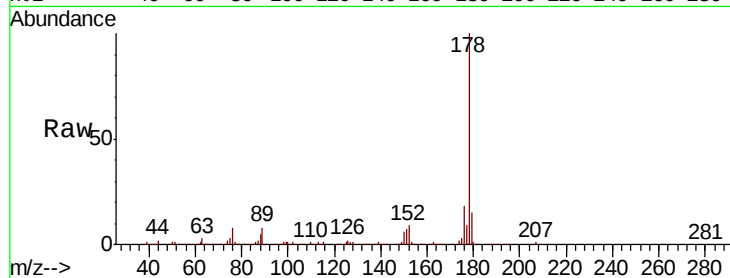
Tot Ion:178 Resp: 734811

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

176 17.8 15.1 22.7

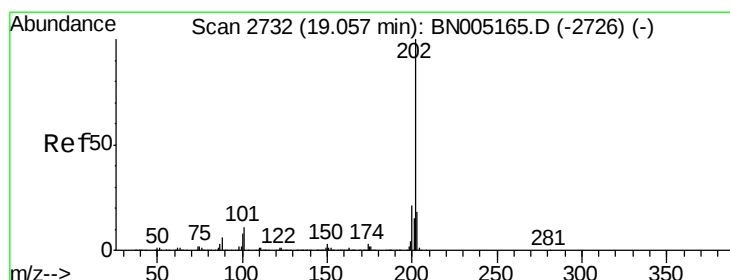
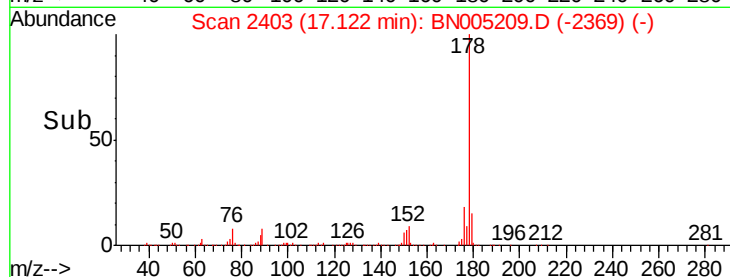
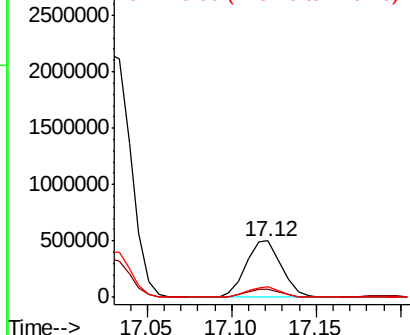


Abundance

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



#76

Fluoranthene

Concen: 8.548 ng/ul

RT: 19.06 min Scan# 2733

Delta R.T. 0.01 min

Lab File: BN005209.D

Acq: 23 Apr 2019 11:58

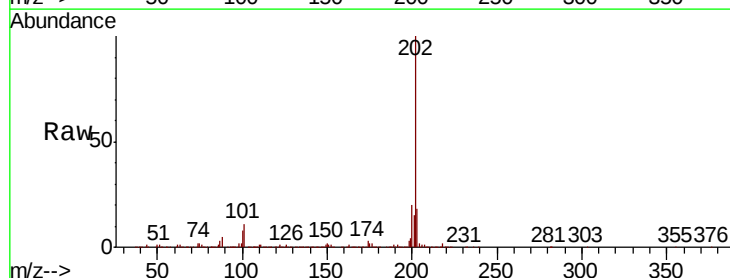
Tgt Ion:202 Resp: 1248188

Ion Ratio Lower Upper

202 100

101 10.9 8.6 12.8

100 7.9 6.3 9.5

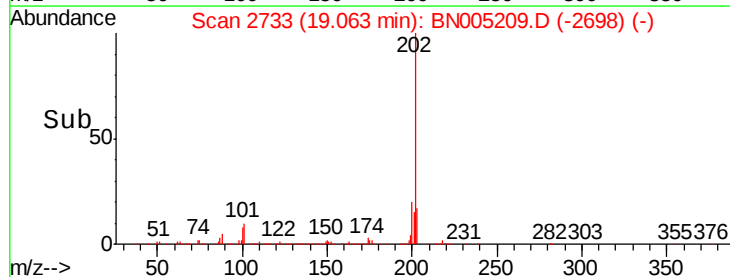
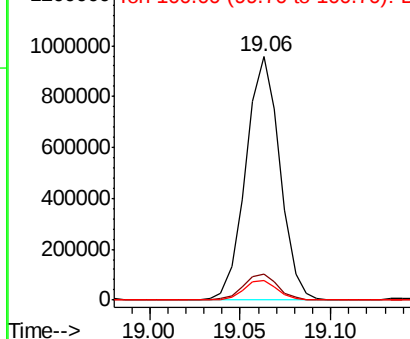


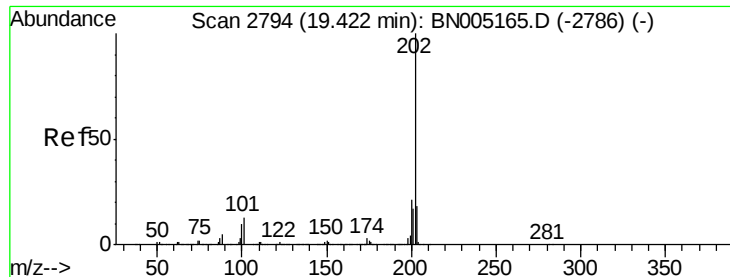
Abundance

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

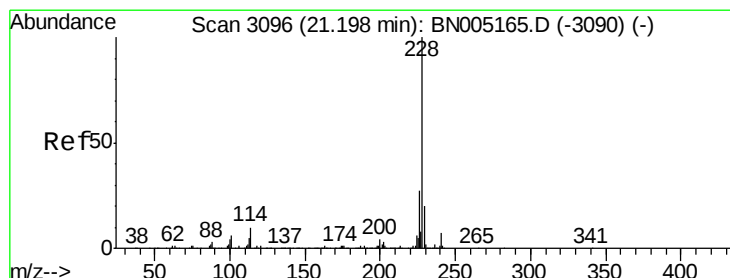
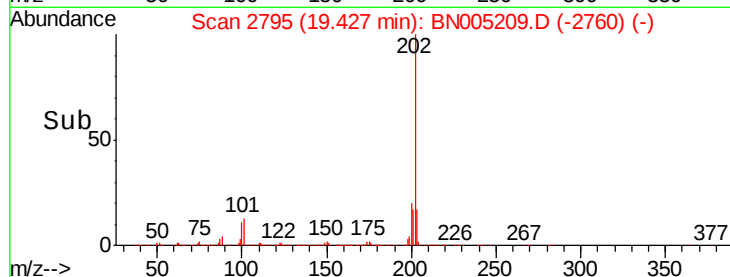
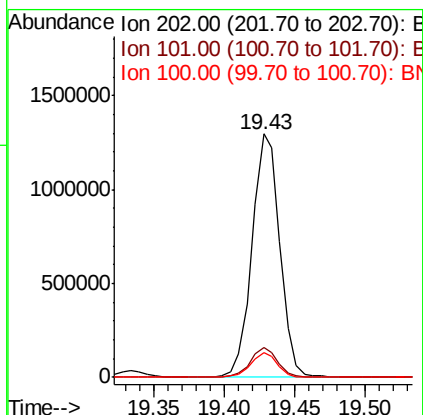
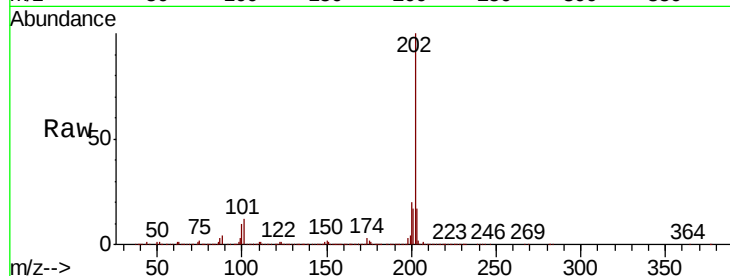




#79
 Pvrene
 Concen: 11.892 ng/ul
 RT: 19.43 min Scan# 2795
 Delta R.T. 0.01 min
 Lab File: BN005209.D
 Acq: 23 Apr 2019 11:58

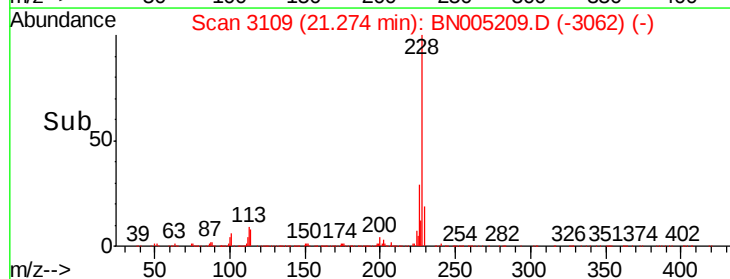
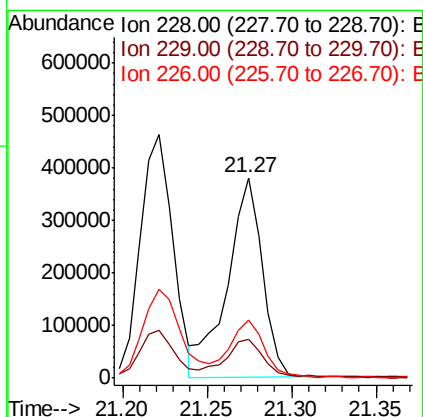
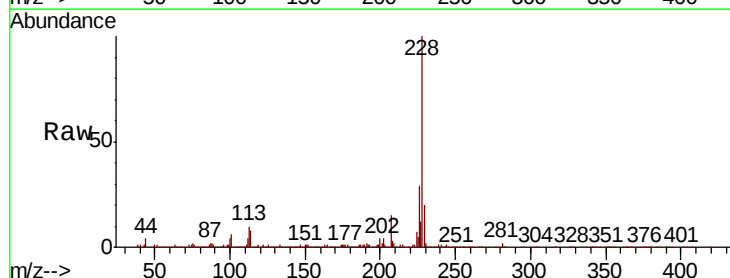
Instrument :
 BNA_N
 ClientSampleId :

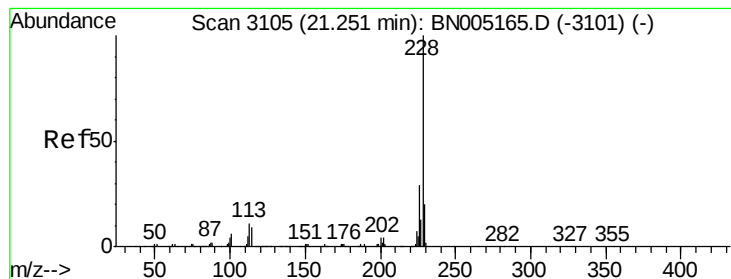
Tot Ion:202 Resp: 1788371
 Ion Ratio Lower Upper
 202 100
 101 12.1 10.3 15.5
 100 10.0 7.9 11.9



#82
 Benzo(a)anthracene
 Concen: 3.753 ng/ul
 RT: 21.27 min Scan# 3109
 Delta R.T. 0.08 min
 Lab File: BN005209.D
 Acq: 23 Apr 2019 11:58

Tgt Ion:228 Resp: 545379
 Ion Ratio Lower Upper
 228 100
 229 19.6 15.8 23.6
 226 29.1 21.4 32.2





#84

Chrysene

Concen: 4.044 ng/ul

RT: 21.27 min Scan# 3109

Delta R.T. 0.02 min

Lab File: BN005209.D

Acq: 23 Apr 2019 11:58

Instrument :

BNA_N

ClientSampleId :

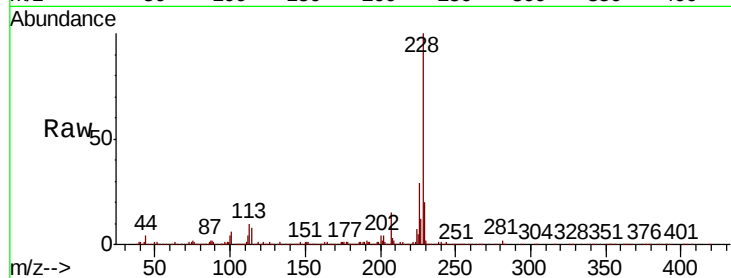
Tot Ion:228 Resp: 545379

Ion Ratio Lower Upper

228 100

226 29.1 24.0 36.0

229 19.6 15.4 23.0

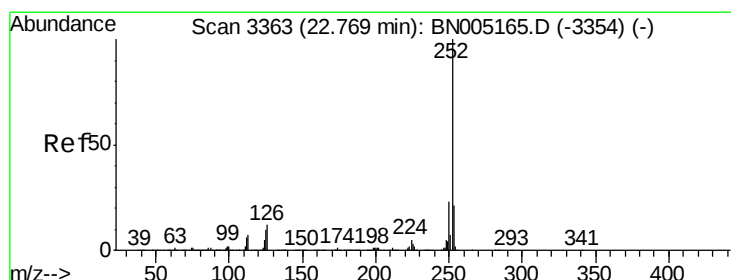
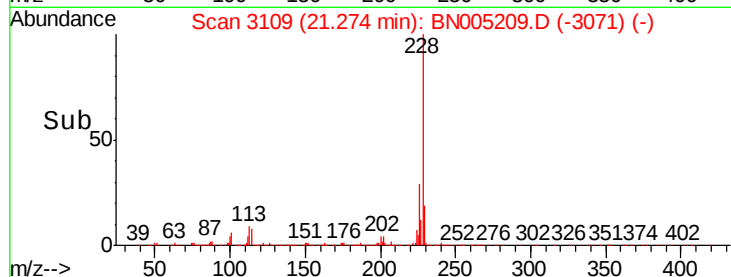
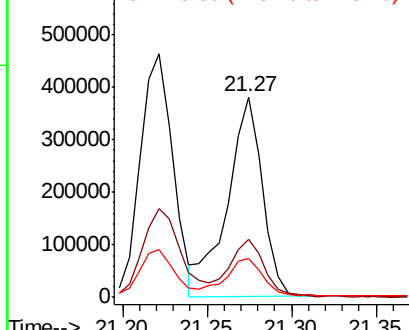


Abundance

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: 3.026 ng/ul

RT: 22.82 min Scan# 3371

Delta R.T. 0.05 min

Lab File: BN005209.D

Acq: 23 Apr 2019 11:58

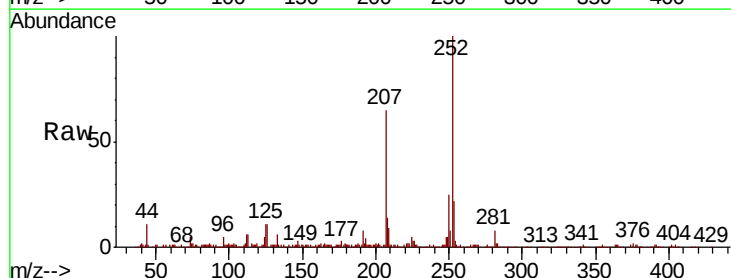
Tgt Ion:252 Resp: 435789

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 11.1 8.4 12.6

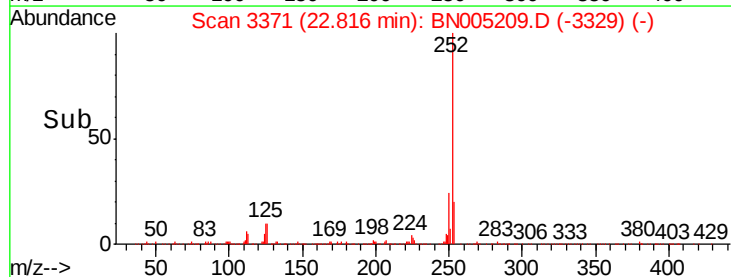
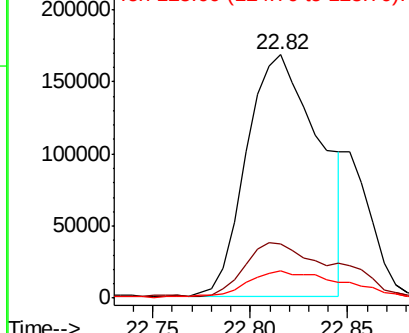


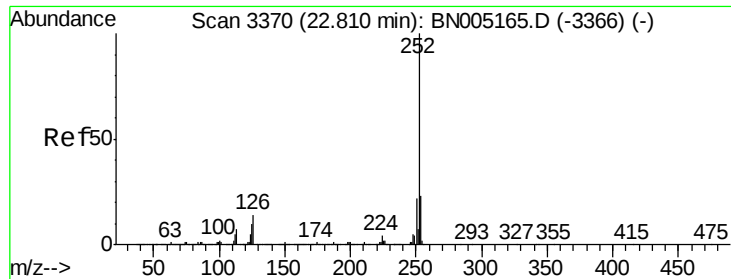
Abundance

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

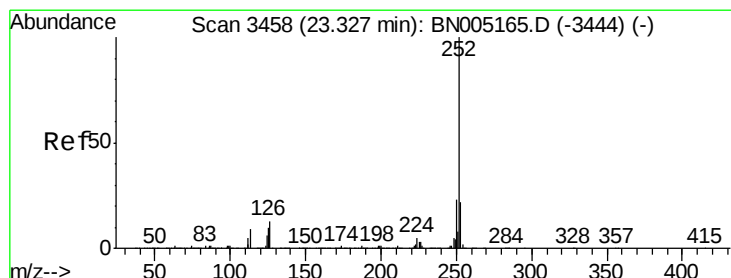
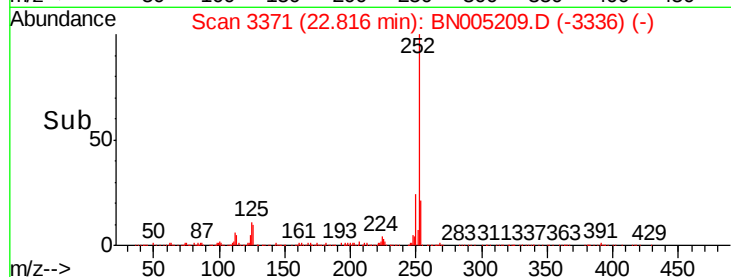
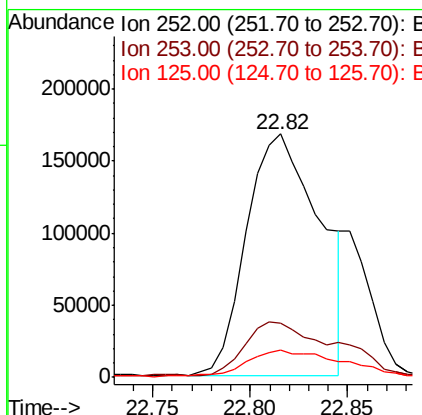
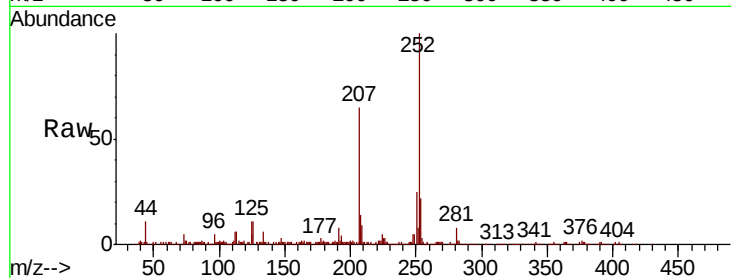




#88
Benzo(k)fluoranthene
Concen: 3.168 ng/ul
RT: 22.82 min Scan# 3371
Delta R.T. 0.01 min
Lab File: BN005209.D
Acq: 23 Apr 2019 11:58

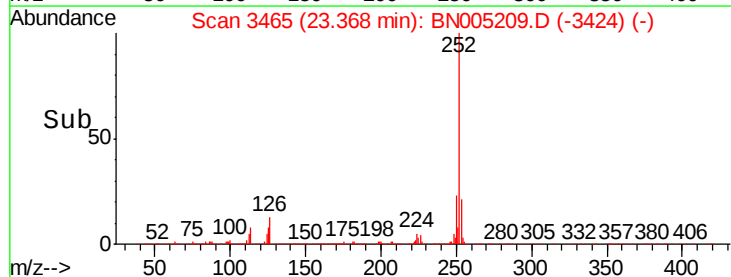
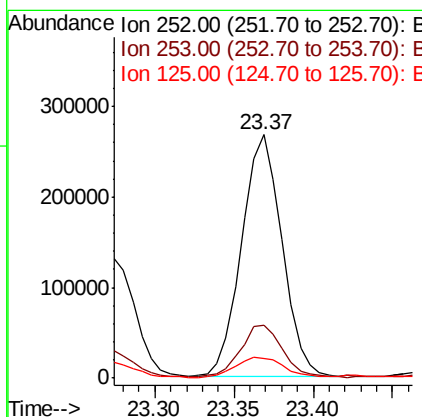
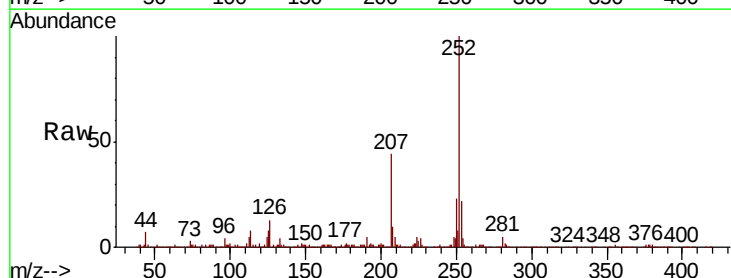
Instrument :
BNA_N
ClientSampleId :

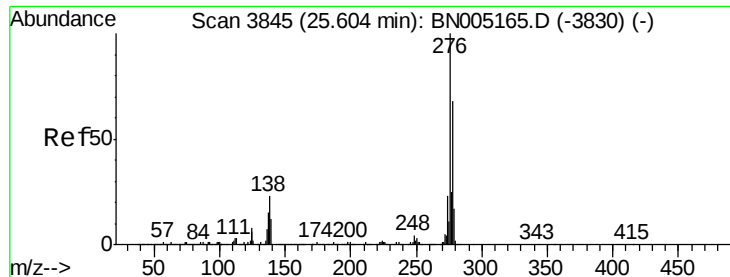
Tot Ion:252 Resp: 435789
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 11.1 7.5 11.3



#90
Benzo(a)pyrene
Concen: 3.495 ng/ul
RT: 23.37 min Scan# 3465
Delta R.T. 0.04 min
Lab File: BN005209.D
Acq: 23 Apr 2019 11:58

Tgt Ion:252 Resp: 473154
Ion Ratio Lower Upper
252 100
253 21.9 17.3 25.9
125 8.2 8.6 13.0#



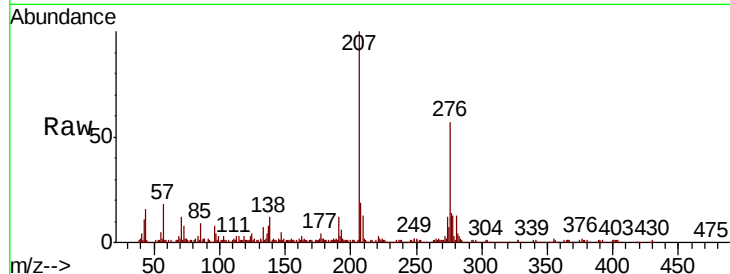


#91

Indeno(1,2,3-cd)pyrene
Concen: 1.231 ng/ul
RT: 25.64 min Scan# 3852
Delta R.T. 0.04 min
Lab File: BN005209.D
Acq: 23 Apr 2019 11:58

Instrument :
BNA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.3	17.9	26.9
277	24.0	19.7	29.5

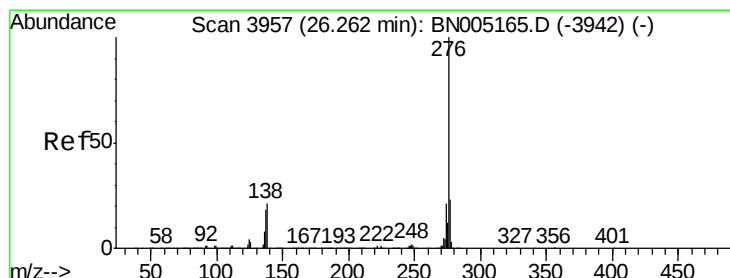
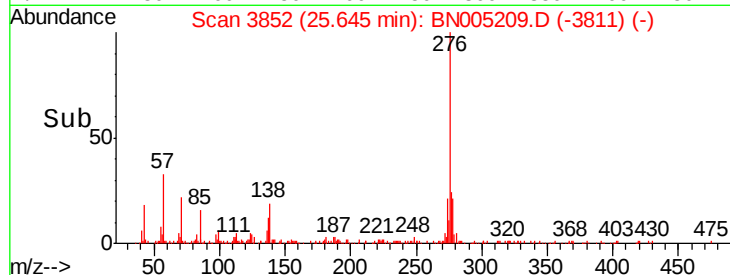
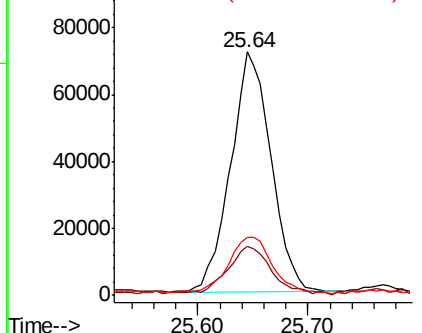


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

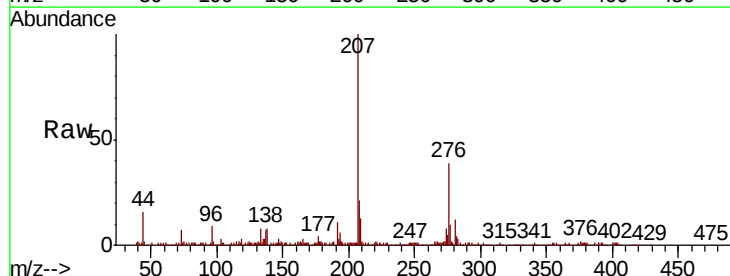
Ion 277.00 (276.70 to 277.70): E



#93

Benzo(g,h,i)perylene
Concen: 1.240 ng/ul
RT: 26.31 min Scan# 3965
Delta R.T. 0.05 min
Lab File: BN005209.D
Acq: 23 Apr 2019 11:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.5	16.7	25.1
277	25.5	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

