

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
 Data File : BN005357.D
 Acq On : 29 Apr 2019 18:35
 Operator : JU/SJ
 Sample : K2481-15DL 30X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 30 00:53:32 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	259652	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1088970	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	650752	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	1425061	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	1422965	20.00	ng/ul	-0.02
85) Perylene-d12	23.42	264	1607504	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.21	96	810	0.15	ng/uL	0.00
5) Phenol-d5	6.78	99	9130	0.45	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	6576	0.52	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	7956	0.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	7007	0.44	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	4160	0.62	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	2616	0.38	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	8059	0.52	ng/ul	0.01
29) 4-Chloroaniline-d4	10.48	131	11007	0.69	ng/ul	-0.02
43) Dimethylphthalate-d6	13.65	166	31861	0.67	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	38570	0.66	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	1331	0.18	ng/ul	0.00
57) Fluorene-d10	15.22	176	33304	0.84	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	1915	0.30	ng/ul	0.00
70) Anthracene-d10	17.08	188	46782	0.78	ng/ul	0.00
78) Pyrene-d10	19.39	212	48969	0.67	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	49504	0.70	ng/ul	-0.03

Target Compounds

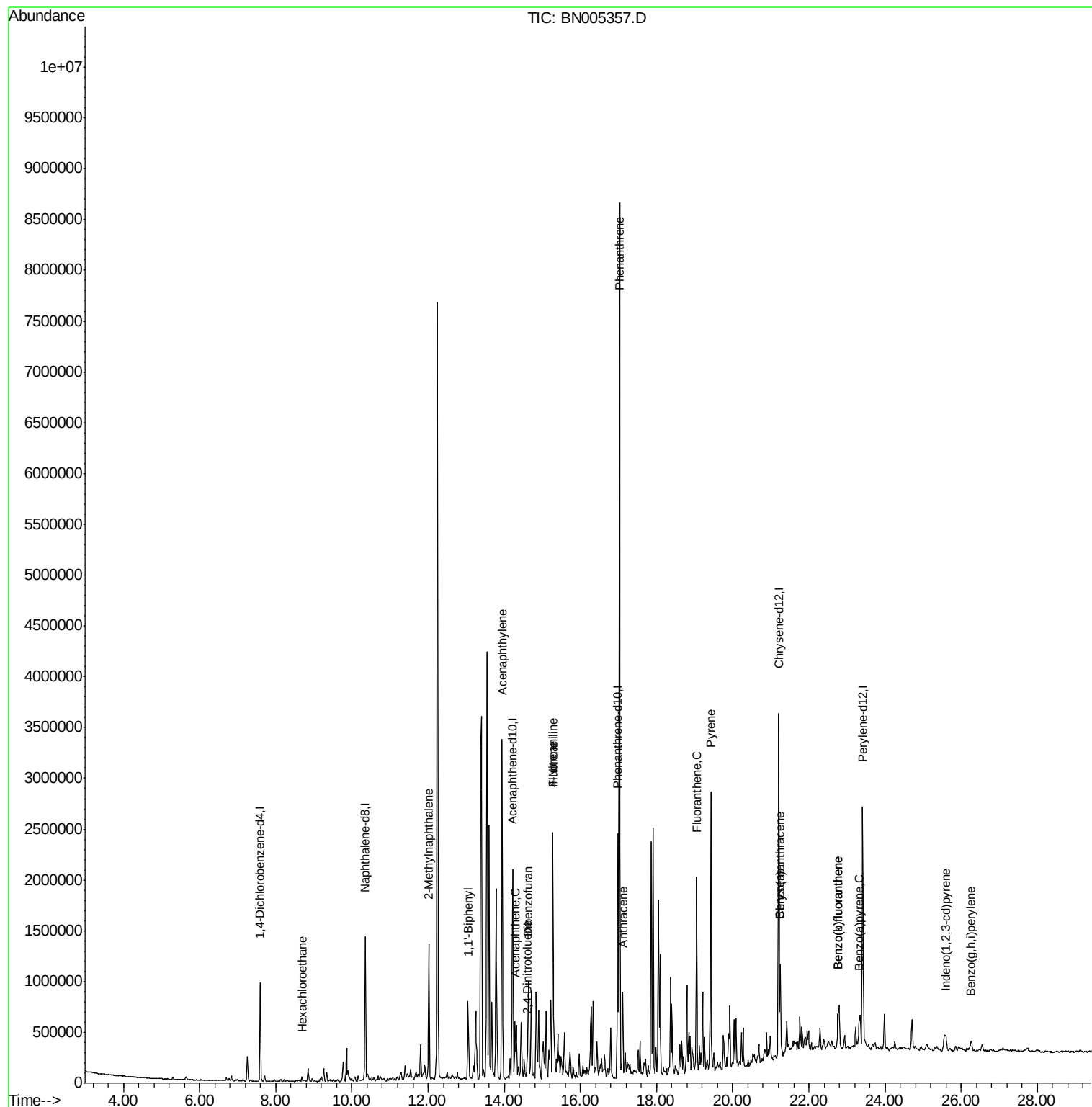
					Ovalue	
17) Hexachloroethane	8.68	117	11869	1.694	ng/ul#	6
34) 2-Methylnaphthalene	12.02	142	618270	16.679	ng/ul	97
40) 1,1'-Biphenyl	13.05	154	352354	7.267	ng/ul	98
47) Acenaphthylene	13.95	152	1822793	31.968	ng/ul	98
49) Acenaphthene	14.29	153	194966	5.009	ng/ul	96
53) Dibenzofuran	14.63	168	212445	3.791	ng/ul	99
54) 2,4-Dinitrotoluene	14.60	165	13852	1.182	ng/ul#	50
58) Fluorene	15.28	166	1118169	25.568	ng/ul	97
60) 4-Nitroaniline	15.28	138	13228	1.404	ng/ul#	11
69) Phenanthrene	17.03	178	5534878	79.750	ng/ul	100
71) Anthracene	17.11	178	531594	7.519	ng/ul	99
76) Fluoranthene	19.06	202	1061464	13.789	ng/ul	98
79) Pyrene	19.42	202	1680379	18.341	ng/ul	96
82) Benzo(a)anthracene	21.25	228	532884	6.020	ng/ul	96
84) Chrysene	21.25	228	532437	6.481	ng/ul	100
87) Benzo(b)fluoranthene	22.77	252	276516	3.060	ng/ul	98
88) Benzo(k)fluoranthene	22.77	252	276516	3.204	ng/ul	97
90) Benzo(a)pyrene	23.32	252	199204	2.345	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.59	276	117742	1.254	ng/ul#	94
93) Benzo(g,h,i)perylene	26.26	276	100314	1.292	ng/ul	97

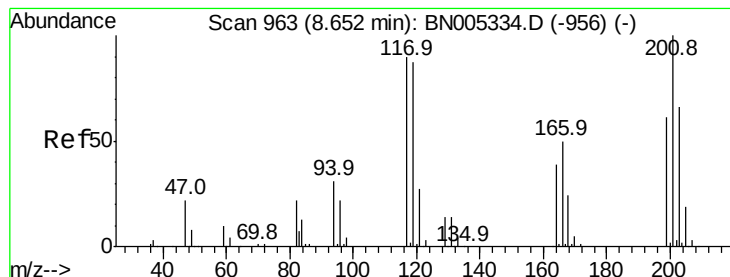
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration





#17

Hexachloroethane

Concen: 1.694 ng/ul

RT: 8.68 min Scan# 968

Delta R.T. 0.02 min

Lab File: BN005357.D

Acq: 29 Apr 2019 18:35

Instrument :

BNA_N

ClientSampleId :

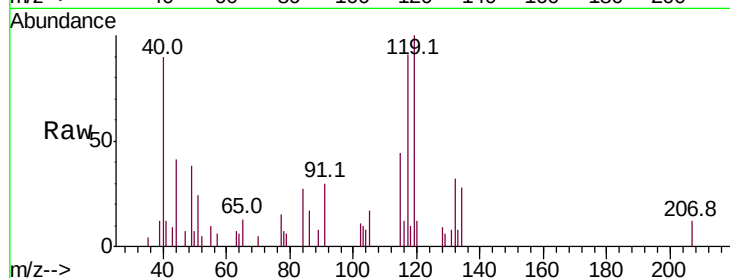
Tot Ion:117 Resp: 11869

Ion Ratio Lower Upper

117 100

201 0.0 84.1 126.1#

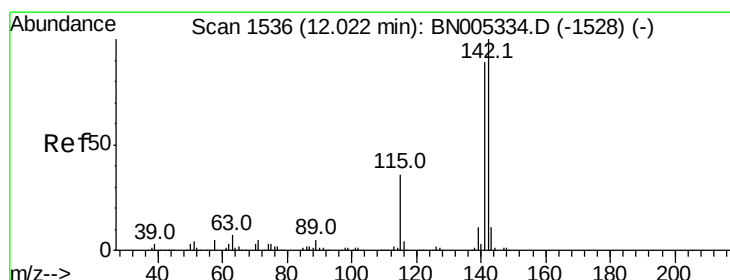
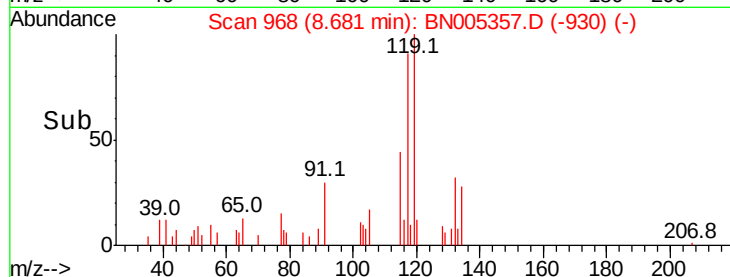
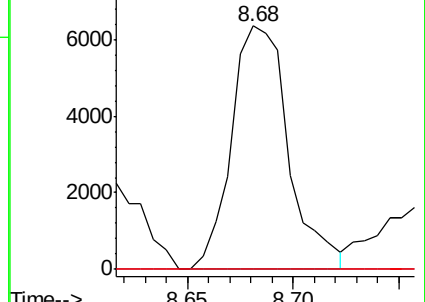
199 0.0 51.2 76.8#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#34

2-Methylnaphthalene

Concen: 16.679 ng/ul

RT: 12.02 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BN005357.D

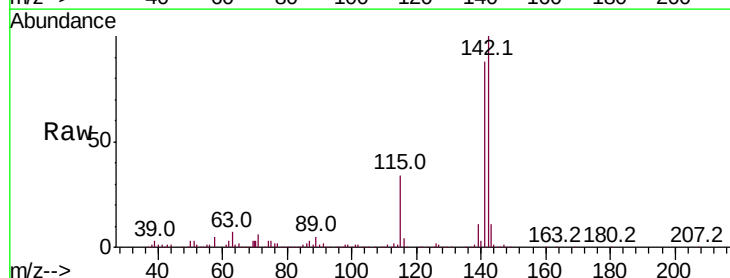
Acq: 29 Apr 2019 18:35

Tgt Ion:142 Resp: 618270

Ion Ratio Lower Upper

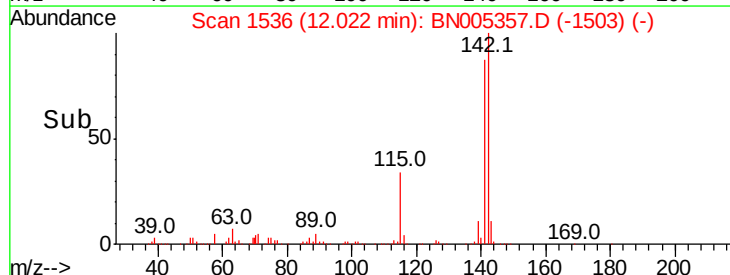
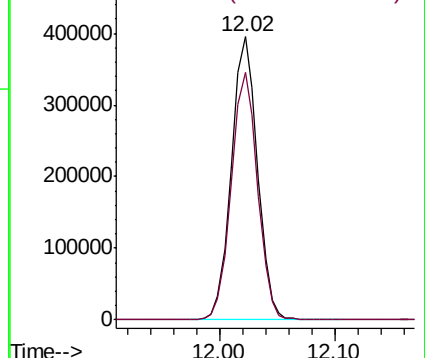
142 100

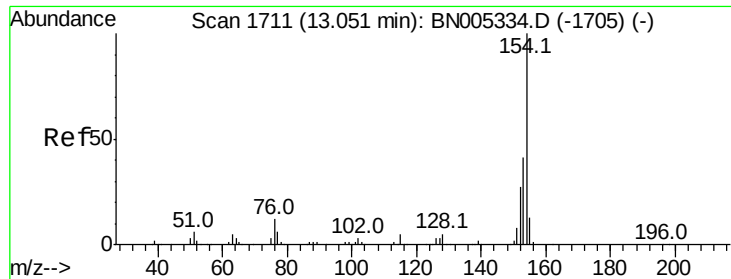
141 87.6 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

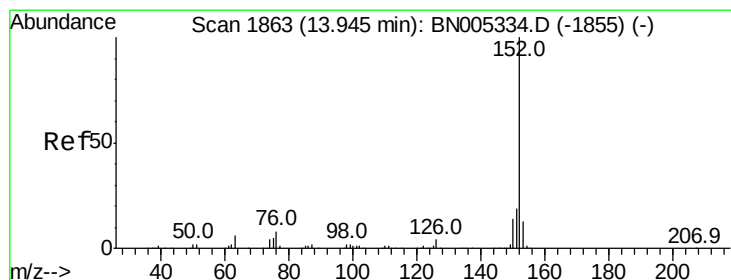
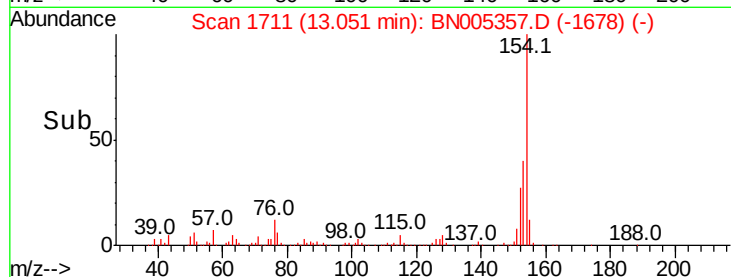
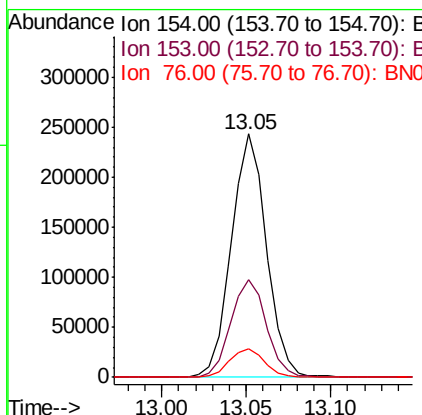
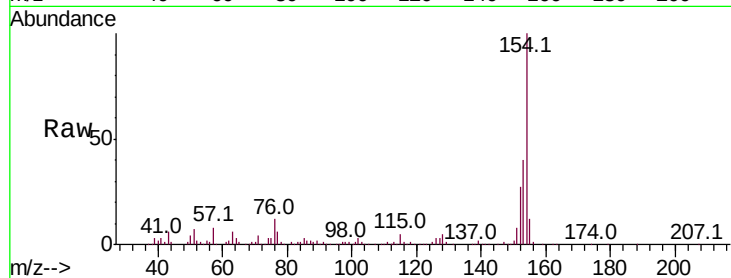




#40
 1,1'-Biphenyl
 Concen: 7.267 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BN005357.D
 Acq: 29 Apr 2019 18:35

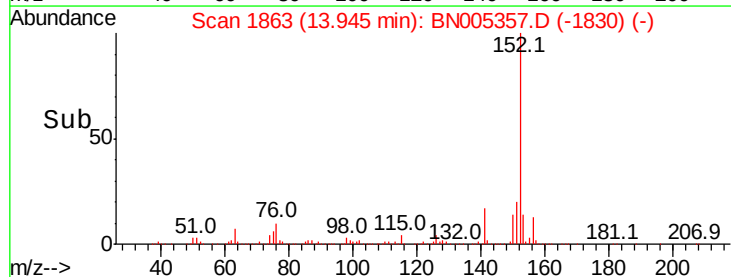
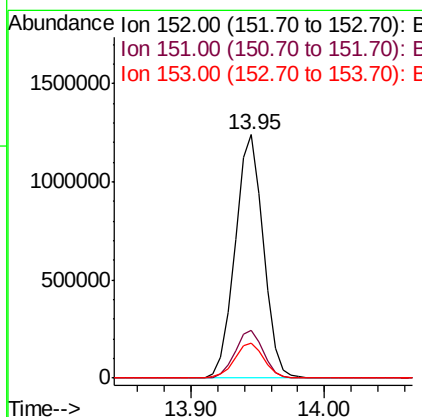
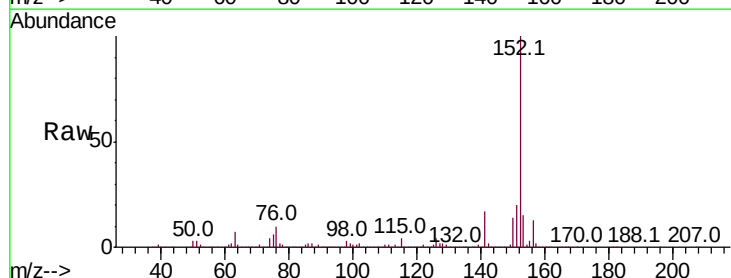
Instrument :
 BNA_N
 ClientSampleId :

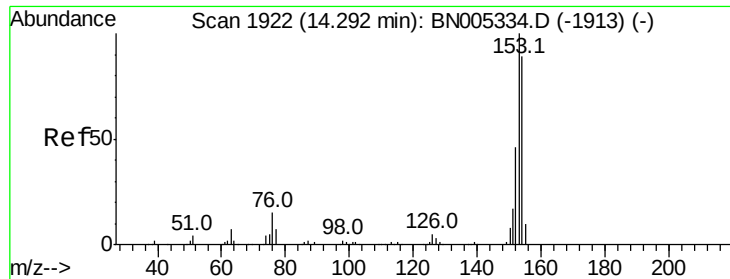
Tot Ion	Ratio	Lower	Upper
154	100		
153	39.9	32.6	49.0
76	11.5	10.4	15.6



#47
 Acenaphthylene
 Concen: 31.968 ng/ul
 RT: 13.95 min Scan# 1863
 Delta R.T. -0.01 min
 Lab File: BN005357.D
 Acq: 29 Apr 2019 18:35

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	14.5	9.8	14.8





#49

Acenaphthene

Concen: 5.009 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BN005357.D

Acq: 29 Apr 2019 18:35

Instrument :

BNA_N

ClientSampleId :

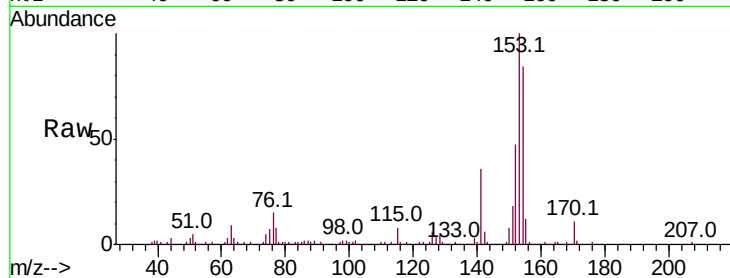
Tot Ion:153 Resp: 194966

Ion Ratio Lower Upper

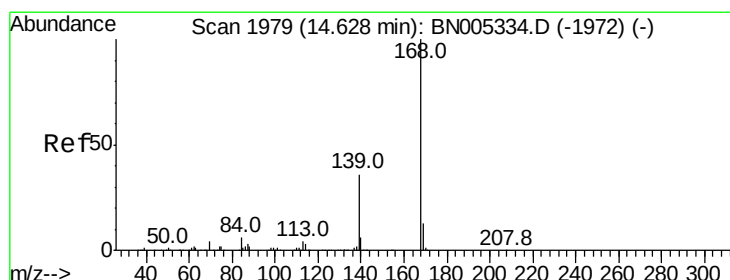
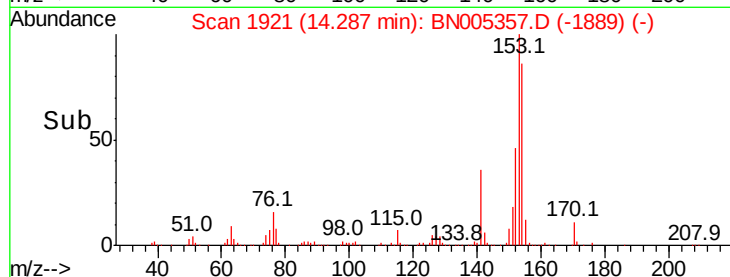
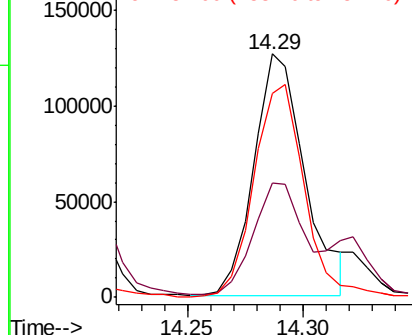
153 100

152 47.0 37.4 56.0

154 83.8 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: 3.791 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BN005357.D

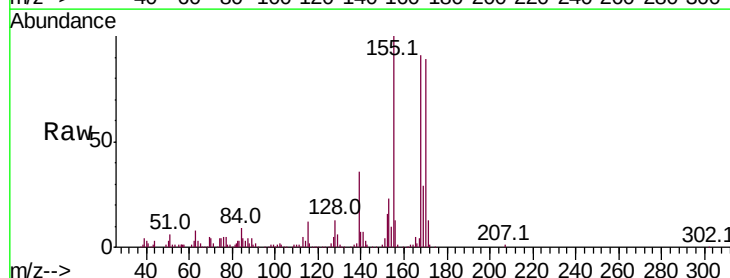
Acq: 29 Apr 2019 18:35

Tgt Ion:168 Resp: 212445

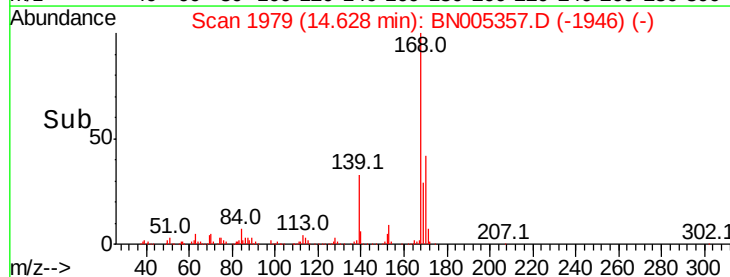
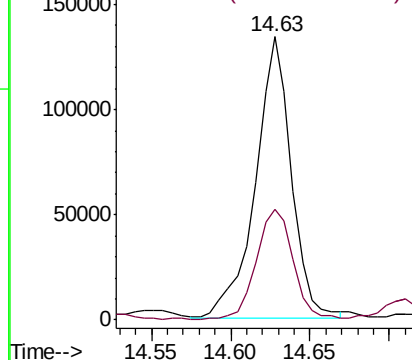
Ion Ratio Lower Upper

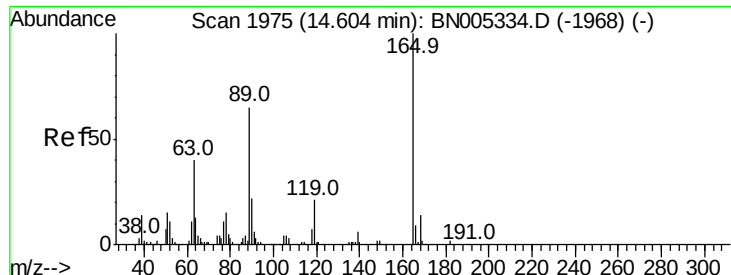
168 100

139 39.0 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#54

2,4-Dinitrotoluene

Concen: 1.182 ng/ul

RT: 14.60 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BN005357.D

Acq: 29 Apr 2019 18:35

Instrument :

BNA_N

ClientSampleId :

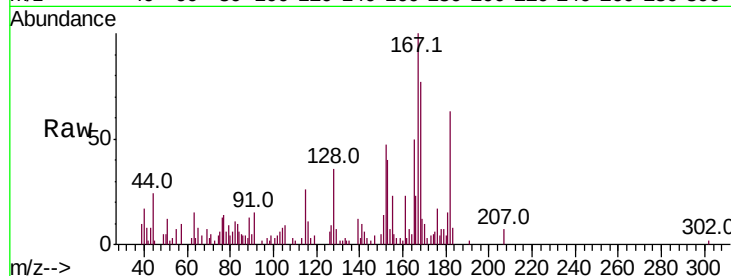
Tot Ion:165 Resp: 13852

Ion Ratio Lower Upper

165 100

63 29.1 38.9 58.3#

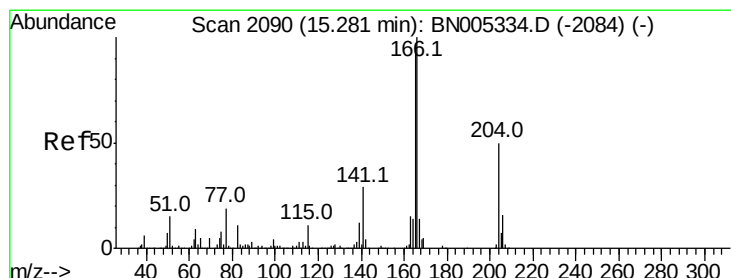
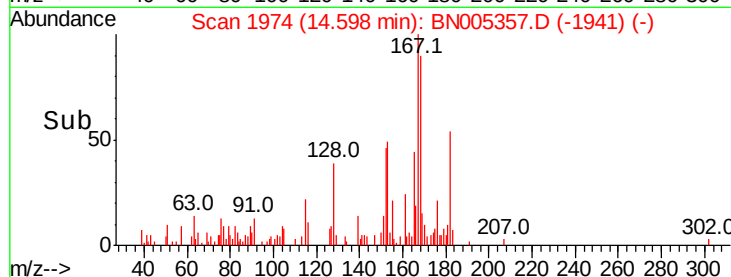
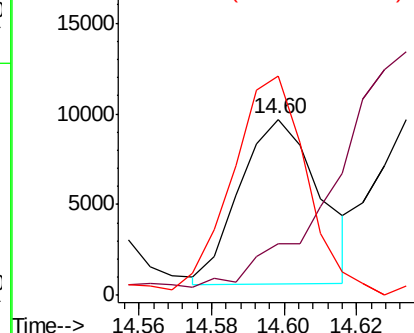
182 124.5 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNO

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 25.568 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. -0.01 min

Lab File: BN005357.D

Acq: 29 Apr 2019 18:35

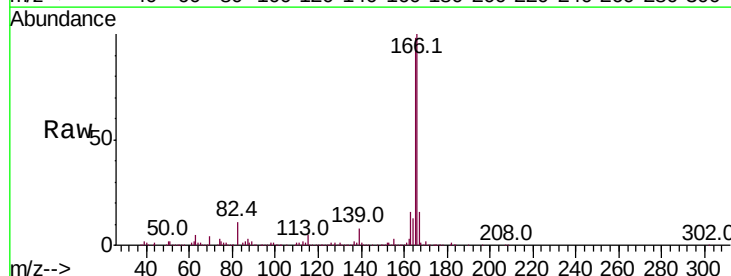
Tgt Ion:166 Resp: 1118169

Ion Ratio Lower Upper

166 100

165 97.7 80.0 120.0

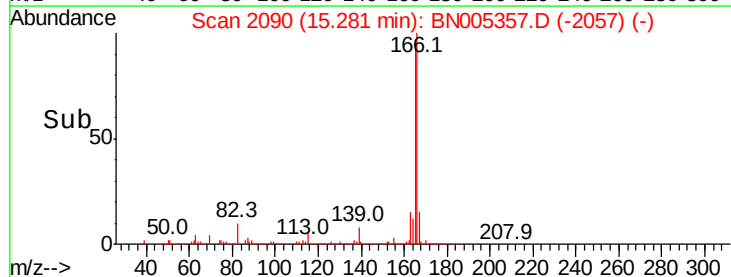
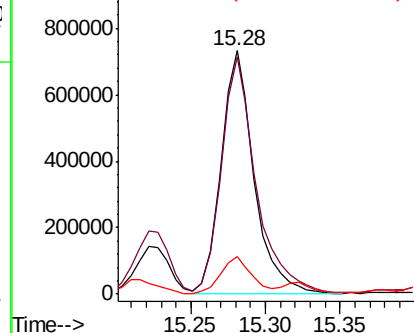
167 15.6 10.7 16.1

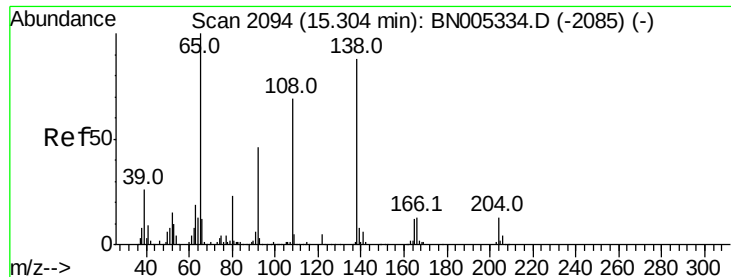


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

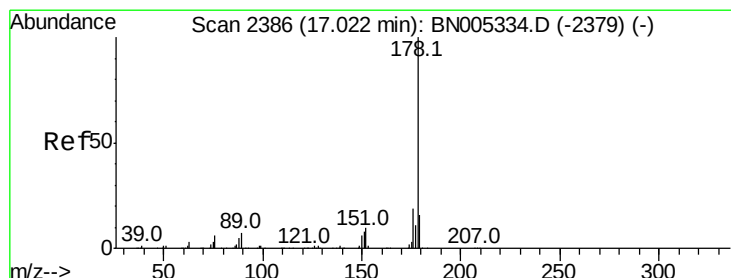
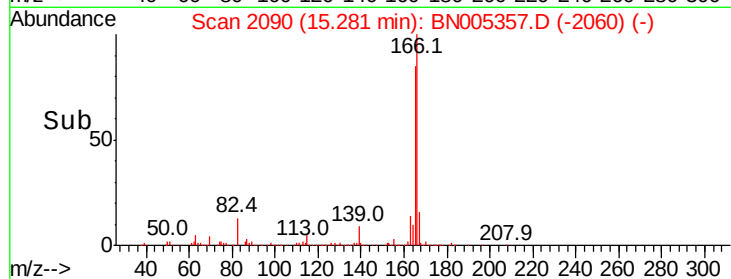
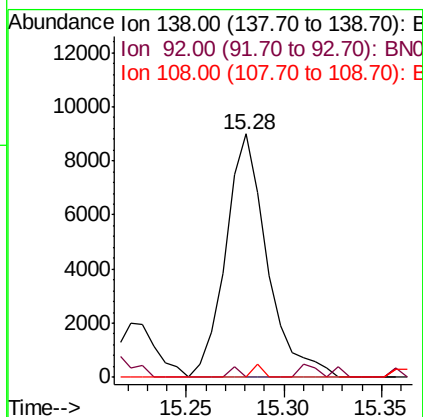
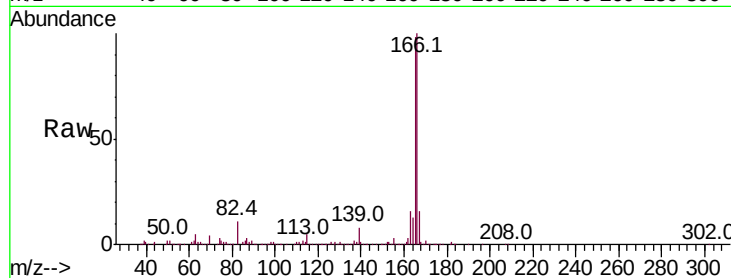




#60
4-Nitroaniline
Concen: 1.404 ng/ul
RT: 15.28 min Scan# 2090
Delta R.T. -0.02 min
Lab File: BN005357.D
Acq: 29 Apr 2019 18:35

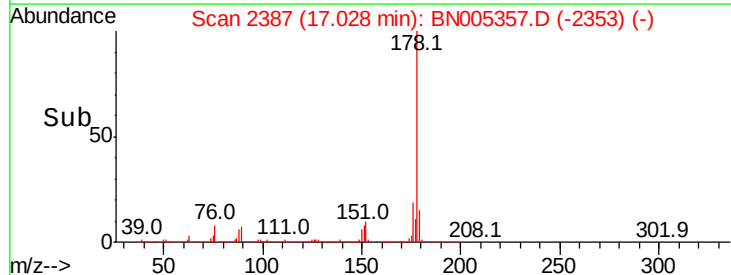
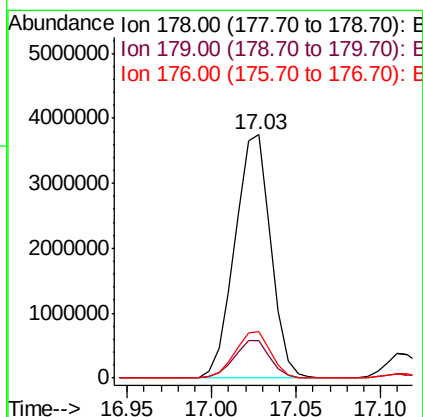
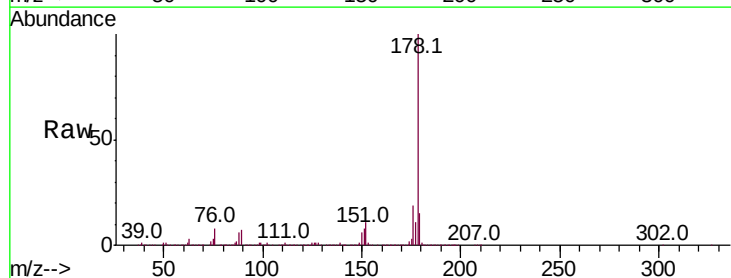
Instrument :
BNA_N
ClientSampleId :

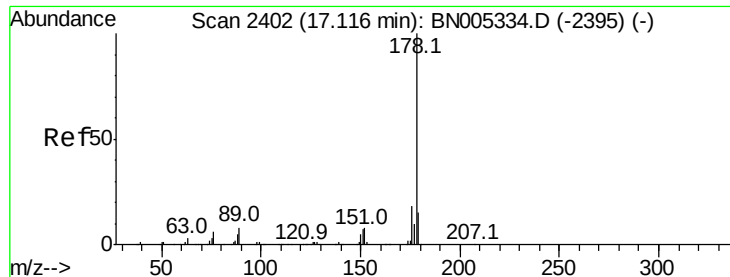
Tot Ion:138 Resp: 13228
Ion Ratio Lower Upper
138 100
92 0.0 45.3 67.9#
108 0.0 73.2 109.8#



#69
Phenanthrene
Concen: 79.750 ng/ul
RT: 17.03 min Scan# 2387
Delta R.T. 0.00 min
Lab File: BN005357.D
Acq: 29 Apr 2019 18:35

Tgt Ion:178 Resp: 5534878
Ion Ratio Lower Upper
178 100
179 15.3 12.2 18.4
176 18.8 15.1 22.7





#71

Anthracene

Concen: 7.519 ng/ul

RT: 17.11 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BN005357.D

Acq: 29 Apr 2019 18:35

Instrument :

BNA_N

ClientSampleId :

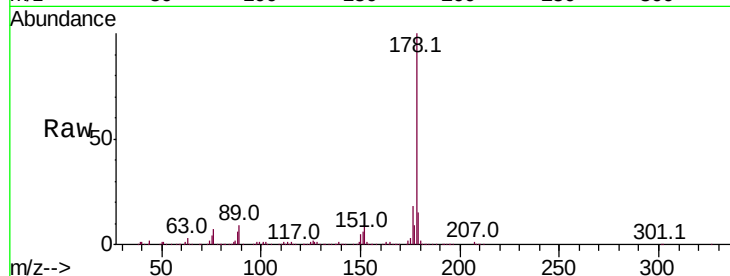
Tot Ion:178 Resp: 531594

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

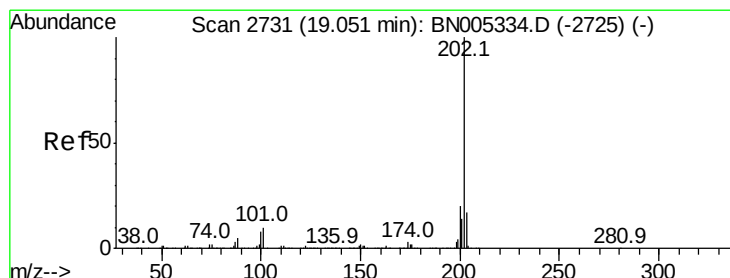
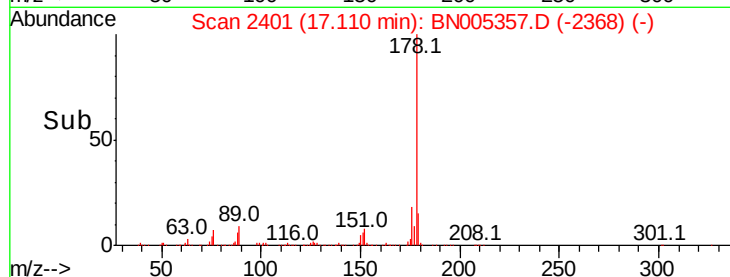
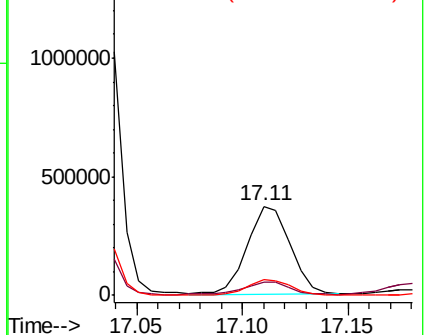
176 18.3 15.1 22.7



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



#76

Fluoranthene

Concen: 13.789 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. -0.01 min

Lab File: BN005357.D

Acq: 29 Apr 2019 18:35

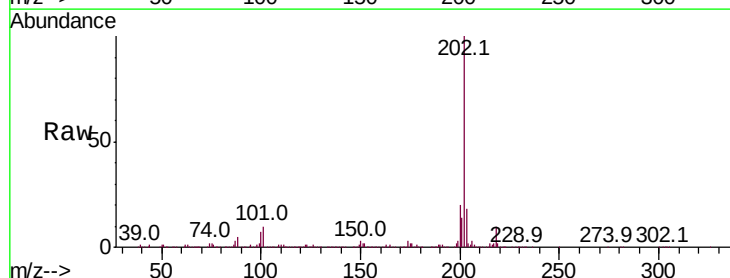
Tgt Ion:202 Resp: 1061464

Ion Ratio Lower Upper

202 100

101 9.6 8.6 12.8

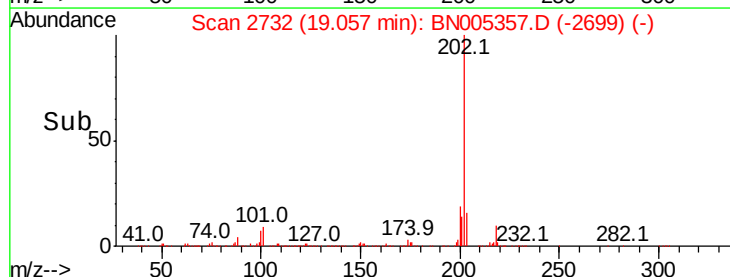
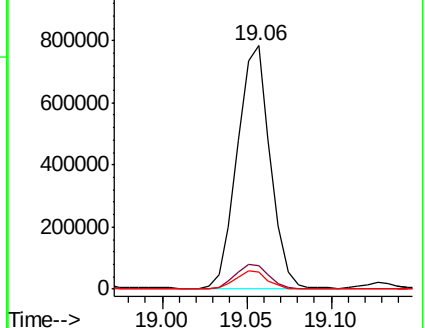
100 7.3 6.3 9.5

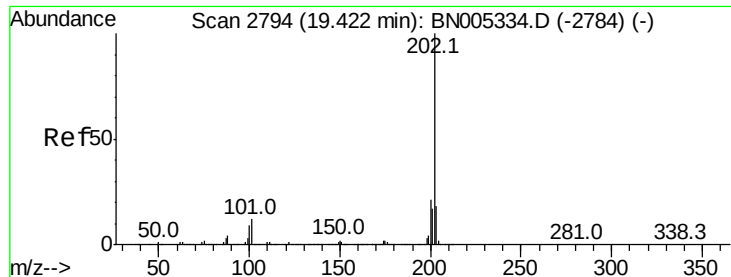


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#79

Pvrene

Concen: 18.341 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. -0.01 min

Lab File: BN005357.D

Acq: 29 Apr 2019 18:35

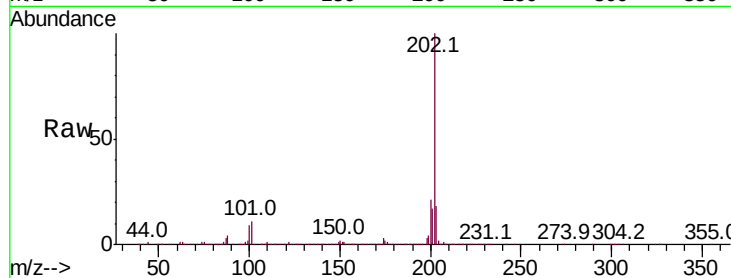
Instrument :

BNA_N

ClientSampleId :

Tot Ion:202 Resp: 1680379

Ion	Ratio	Lower	Upper
202	100		
101	10.8	10.3	15.5
100	9.2	7.9	11.9

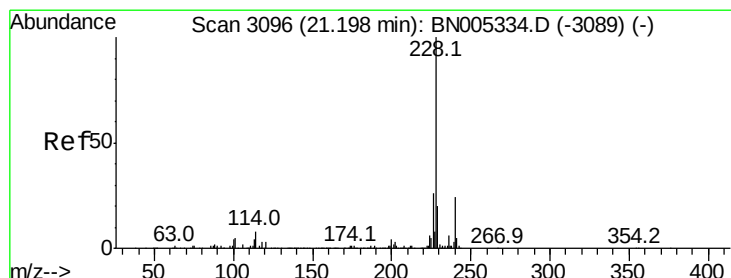
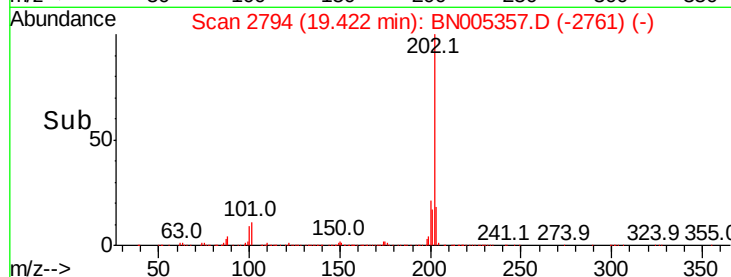


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

Time-->



#82

Benzo(a)anthracene

Concen: 6.020 ng/ul

RT: 21.25 min Scan# 3104

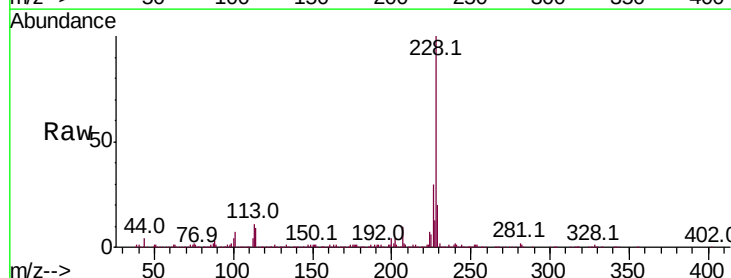
Delta R.T. 0.04 min

Lab File: BN005357.D

Acq: 29 Apr 2019 18:35

Tgt Ion:228 Resp: 532884

Ion	Ratio	Lower	Upper
228	100		
229	19.5	15.8	23.6
226	29.9	21.4	32.2

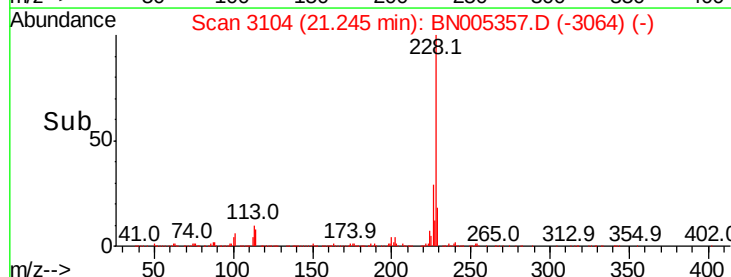


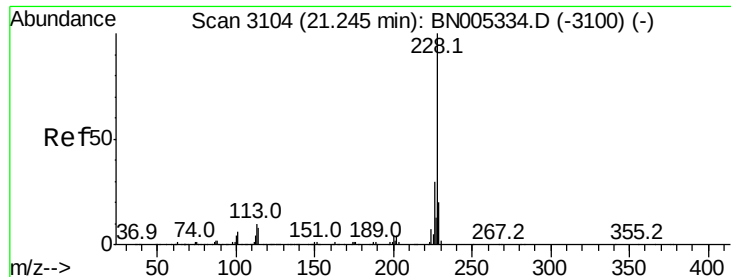
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

Time-->

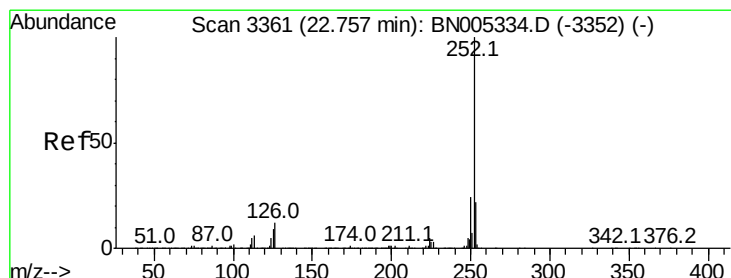
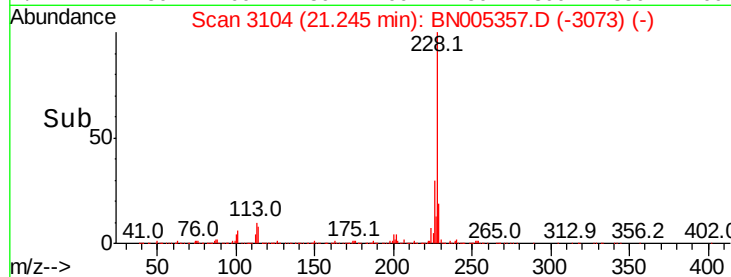
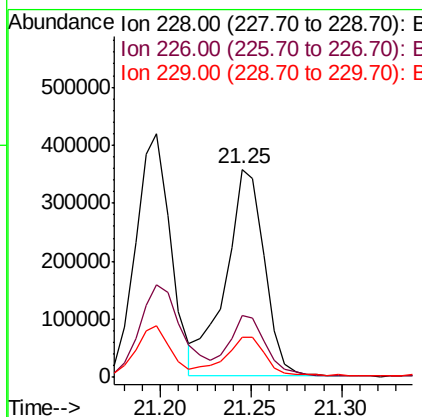
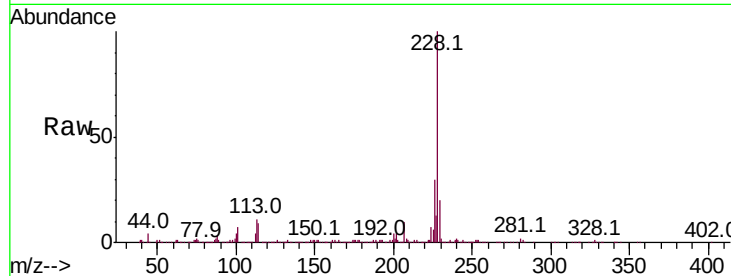




#84
 Chrysene
 Concen: 6.481 ng/ul
 RT: 21.25 min Scan# 3104
 Delta R.T. -0.02 min
 Lab File: BN005357.D
 Acq: 29 Apr 2019 18:35

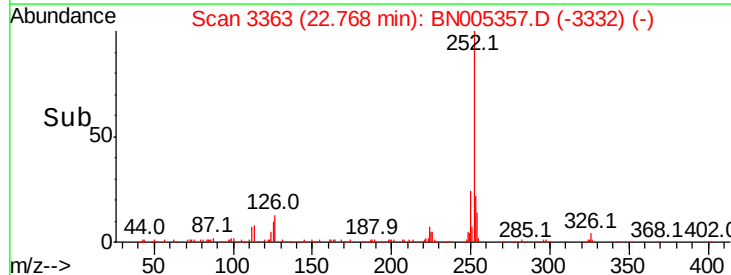
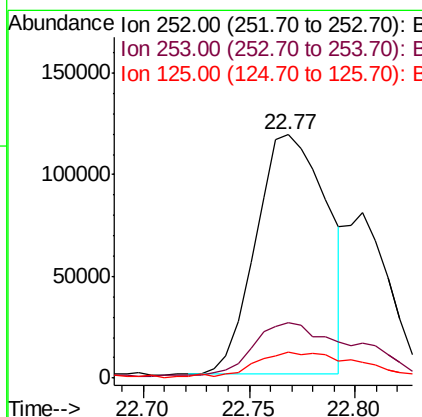
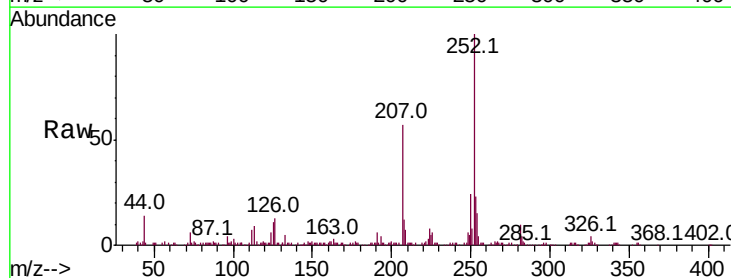
Instrument :
 BNA_N
 ClientSampleId :

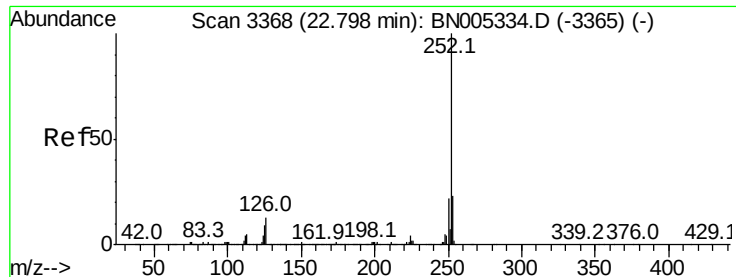
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.0	36.0
229	19.5	15.4	23.0



#87
 Benzo(b)fluoranthene
 Concen: 3.060 ng/ul
 RT: 22.77 min Scan# 3363
 Delta R.T. -0.02 min
 Lab File: BN005357.D
 Acq: 29 Apr 2019 18:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	10.9	8.4	12.6





#88

Benzo(k)fluoranthene

Concen: 3.204 ng/ul

RT: 22.77 min Scan# 3363

Delta R.T. -0.06 min

Lab File: BN005357.D

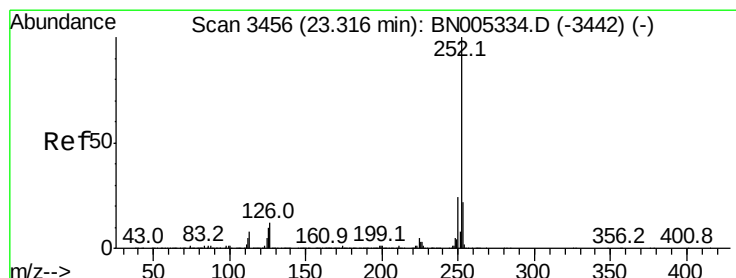
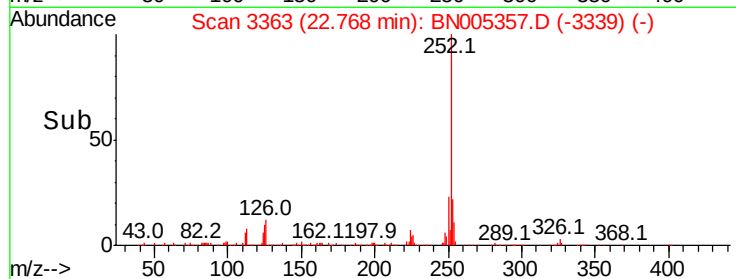
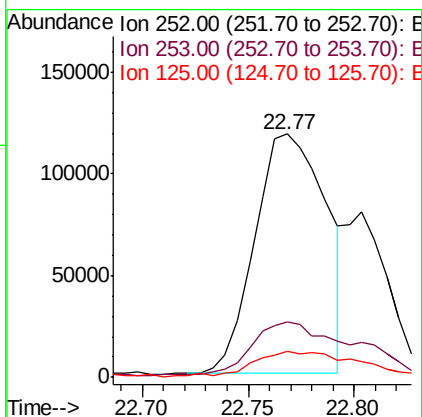
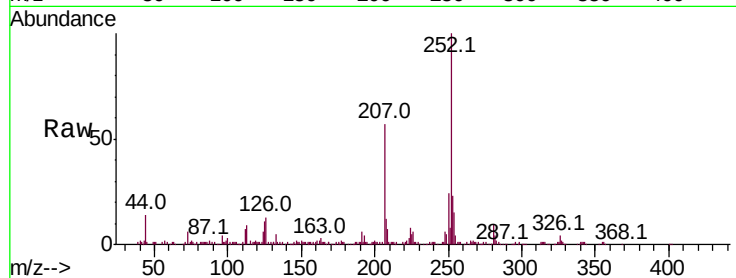
Acq: 29 Apr 2019 18:35

Instrument :

BNA_N

ClientSampleId :

Tot Ion:	252	Resp:	276516
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	10.9	7.5	11.3



#90

Benzo(a)pyrene

Concen: 2.345 ng/ul

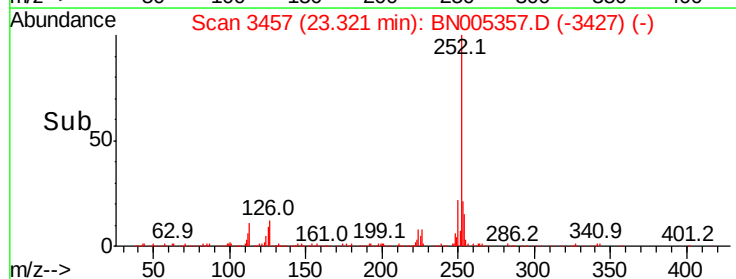
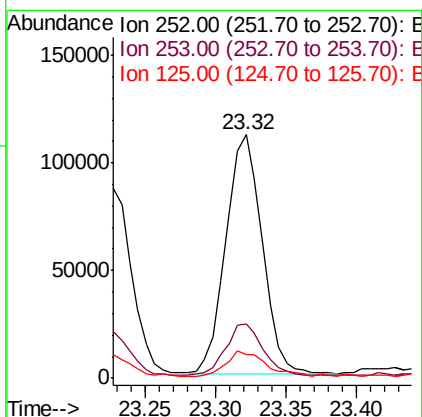
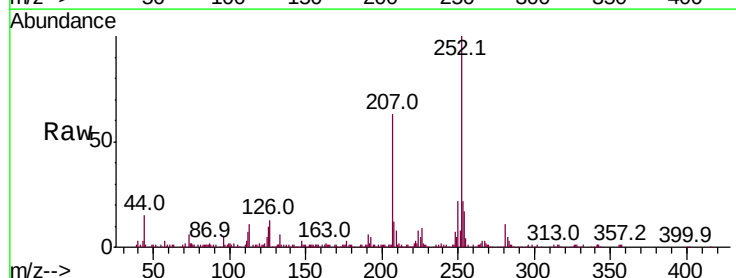
RT: 23.32 min Scan# 3457

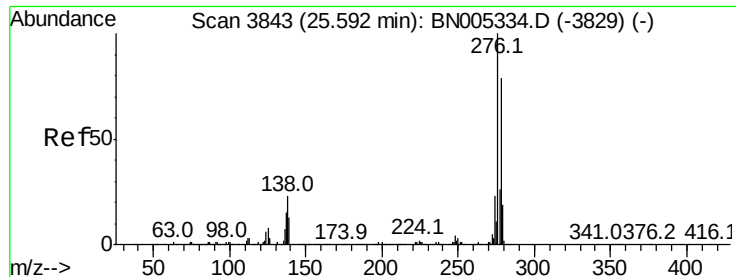
Delta R.T. -0.02 min

Lab File: BN005357.D

Acq: 29 Apr 2019 18:35

Tgt Ion:	252	Resp:	199204
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	9.6	8.6	13.0



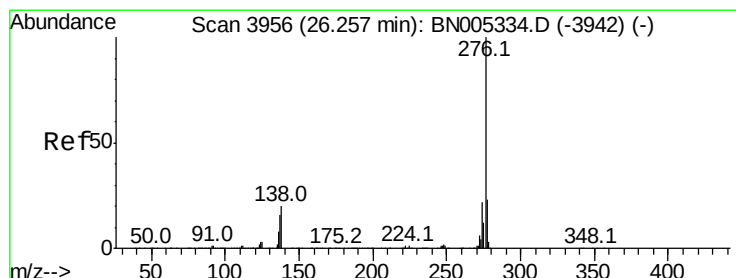
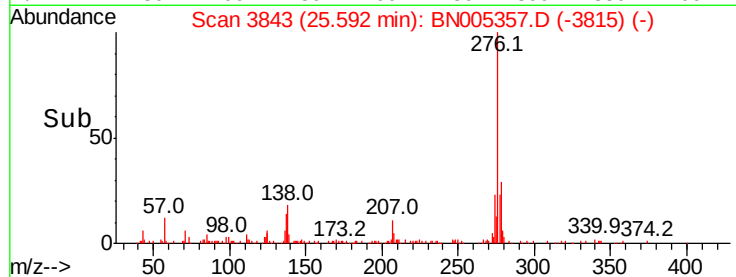
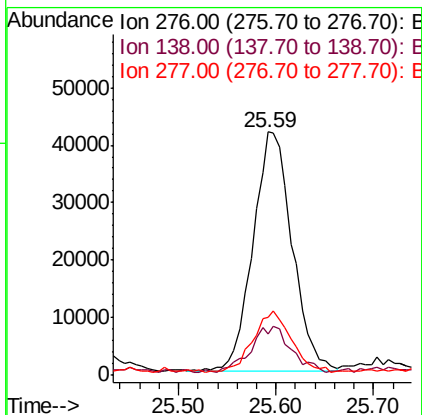
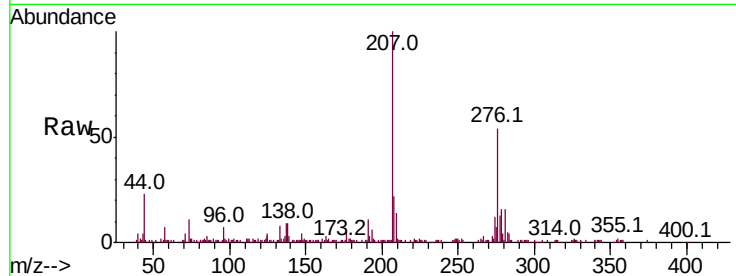


#91

Indeno(1,2,3-cd)pyrene
Concen: 1.254 ng/ul
RT: 25.59 min Scan# 3843
Delta R.T. -0.04 min
Lab File: BN005357.D
Acq: 29 Apr 2019 18:35

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 117742
Ion Ratio Lower Upper
276 100
138 16.9 17.9 26.9#
277 24.0 19.7 29.5



#93

Benzo(g,h,i)perylene
Concen: 1.292 ng/ul
RT: 26.26 min Scan# 3957
Delta R.T. -0.03 min
Lab File: BN005357.D
Acq: 29 Apr 2019 18:35

Tgt Ion:276 Resp: 100314
Ion Ratio Lower Upper
276 100
138 20.0 16.7 25.1
277 24.4 18.2 27.2

