

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042619\
 Data File : BN005340.D
 Acq On : 27 Apr 2019 05:07
 Operator : JU/SJ
 Sample : K2481-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 29 02:22:32 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	427070	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1778340	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1067863	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2422343	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1940198	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	1965536	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	30708	3.47	ng/uL	0.00
5) Phenol-d5	6.78	99	761125	22.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	441184	21.08	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	612231	23.85	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	636258	24.27	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	312902	28.59	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	364927	32.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	652550	25.66	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	195310	7.45	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	1964418	25.34	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	2383087	25.03	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	342147	27.95	ng/ul	0.00
57) Fluorene-d10	15.23	176	1706474	26.23	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	181621	16.67	ng/ul	0.00
70) Anthracene-d10	17.09	188	2651744	26.11	ng/ul	0.00
78) Pyrene-d10	19.40	212	2805922	28.27	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	2164329	25.20	ng/ul	-0.02

Target Compounds

					Ovalue
14) Acetophenone	8.40	105	46913	1.118	ng/ul 98
17) Hexachloroethane	8.68	117	46449	4.031	ng/ul# 6
28) Naphthalene	10.40	128	314398	3.803	ng/ul 100
34) 2-Methylnaphthalene	12.02	142	251327	4.152	ng/ul 98
44) Dimethylphthalate	13.69	163	405744	5.253	ng/ul 98
47) Acenaphthylene	13.95	152	2399307	25.643	ng/ul 98
49) Acenaphthene	14.29	153	286438	4.484	ng/ul 99
53) Dibenzofuran	14.63	168	365491	3.974	ng/ul 96
58) Fluorene	15.29	166	474319	6.609	ng/ul# 96
69) Phenanthrene	17.03	178	3952746	33.506	ng/ul 98
71) Anthracene	17.12	178	1598748	13.303	ng/ul 98
74) Carbazole	17.39	167	348274	3.374	ng/ul# 89
76) Fluoranthene	19.06	202	5064963	38.707	ng/ul 98
79) Pyrene	19.43	202	7309342	58.511	ng/ul 97
82) Benzo(a)anthracene	21.26	228	3149100	26.090	ng/ul 93
84) Chrysene	21.26	228	3149100	28.112	ng/ul 96
87) Benzo(b)fluoranthene	22.78	252	5076337	45.945	ng/ul 99
88) Benzo(k)fluoranthene	22.78	252	5076337	48.107	ng/ul 99
90) Benzo(a)pyrene	23.33	252	2212474	21.304	ng/ul 96
91) Indeno(1,2,3-cd)pyrene	25.62	276	3582873	31.204	ng/ul 98
92) Dibenzo(a,h)anthracene	25.62	278	1009664	10.361	ng/ul 95
93) Benzo(a,h,i)perylene	26.29	276	3237626	34.101	ng/ul 97

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042619\
Data File : BN005340.D
Acq On : 27 Apr 2019 05:07
Operator : JU/SJ
Sample : K2481-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Apr 29 02:22:32 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

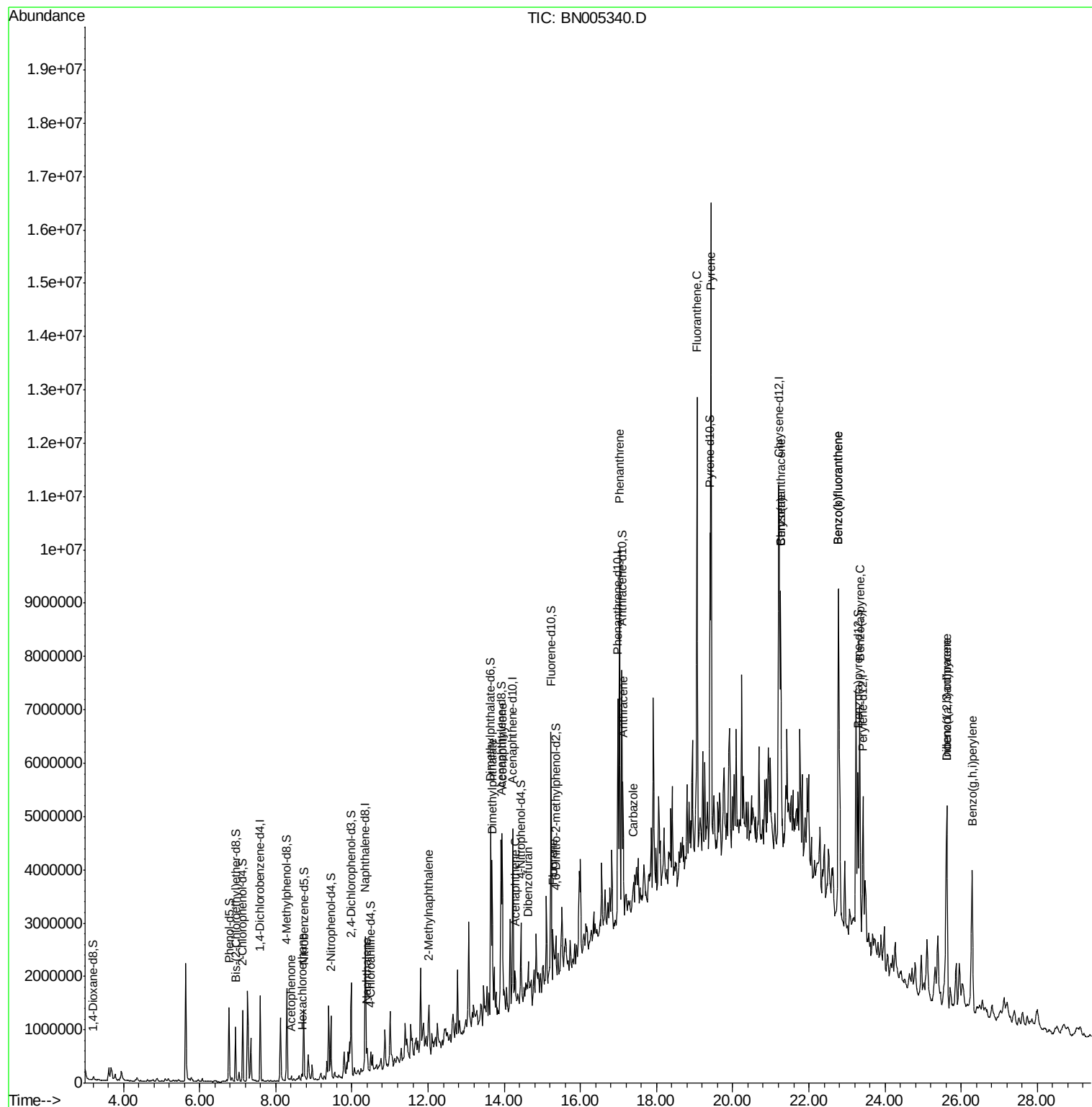
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

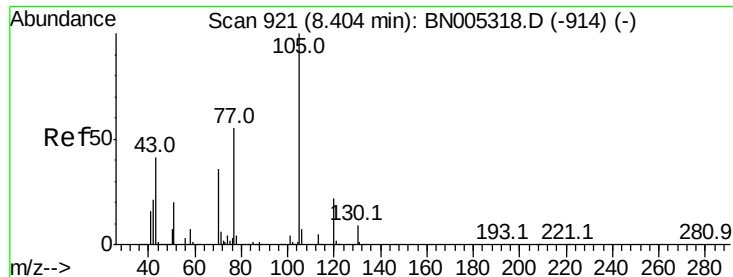
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042619\
Data File : BN005340.D
Acq On : 27 Apr 2019 05:07
Operator : JU/SJ
Sample : K2481-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Apr 29 02:22:32 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





#14

Acetophenone

Concen: 1.118 ng/ul

RT: 8.40 min Scan# 921

Delta R.T. 0.00 min

Lab File: BN005340.D

Acq: 27 Apr 2019 05:07

Instrument :

BNA_N

ClientSampleId :

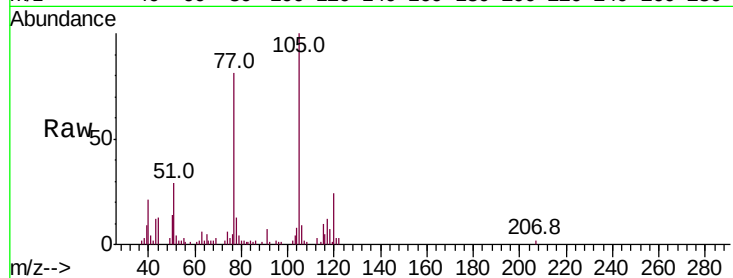
Tot Ion:105 Resp: 46913

Ion Ratio Lower Upper

105 100

77 81.4 63.4 95.0

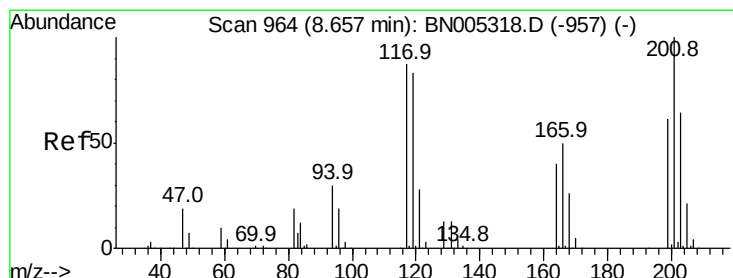
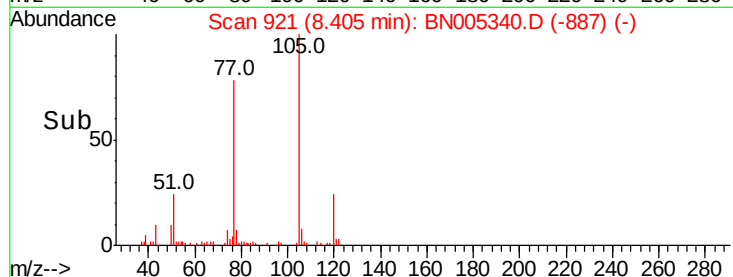
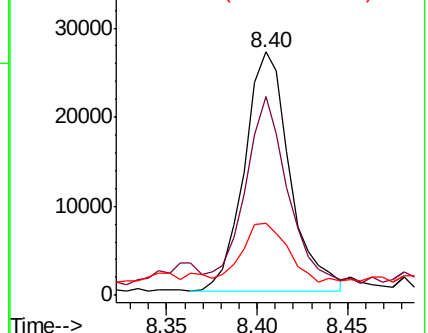
51 29.4 24.2 36.4



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNC

Ion 51.00 (50.70 to 51.70): BNC



#17

Hexachloroethane

Concen: 4.031 ng/ul

RT: 8.68 min Scan# 968

Delta R.T. 0.02 min

Lab File: BN005340.D

Acq: 27 Apr 2019 05:07

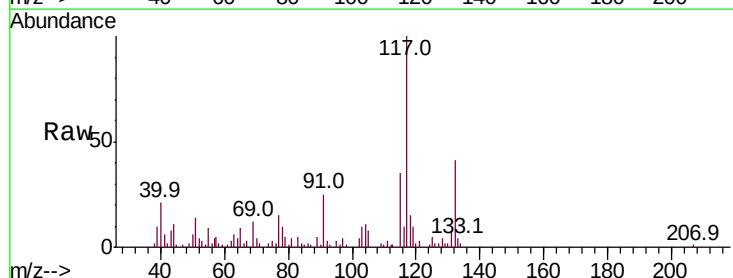
Tgt Ion:117 Resp: 46449

Ion Ratio Lower Upper

117 100

201 0.0 84.1 126.1#

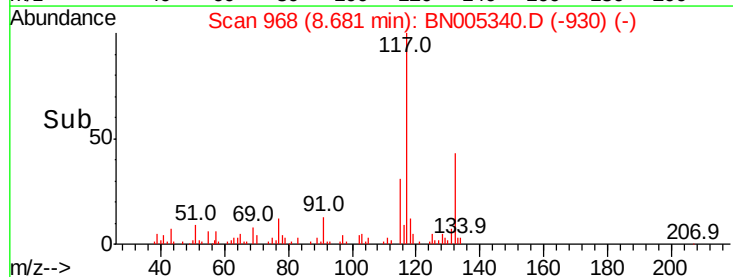
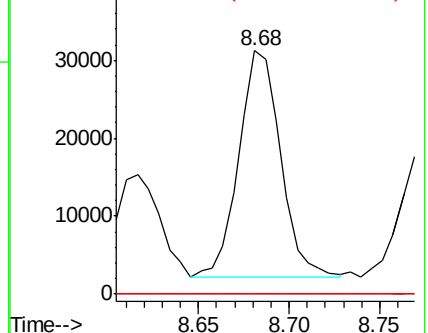
199 0.0 51.2 76.8#

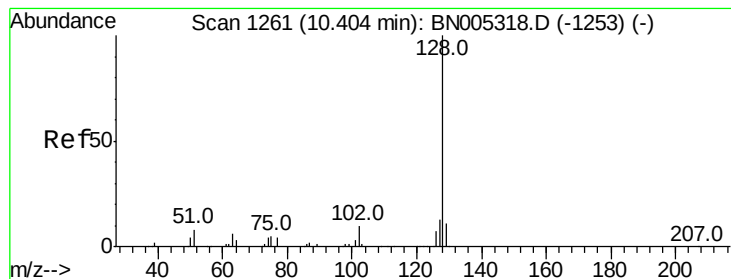


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E





#28

Naphthalene

Concen: 3.803 ng/ul

RT: 10.40 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BN005340.D

Acq: 27 Apr 2019 05:07

Instrument :

BNA_N

ClientSampleId :

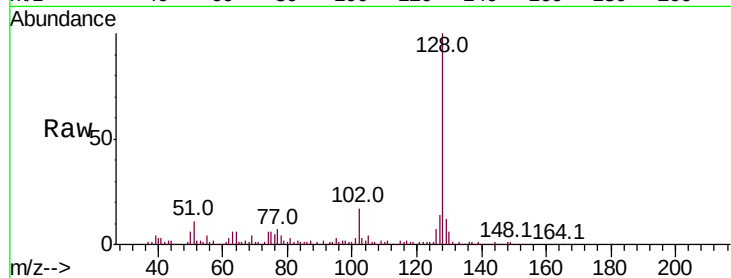
Tot Ion:128 Resp: 314398

Ion Ratio Lower Upper

128 100

129 11.6 9.2 13.8

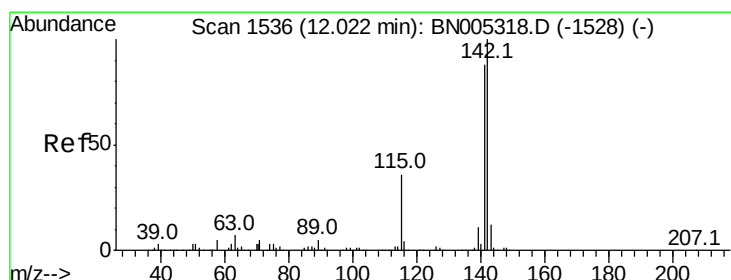
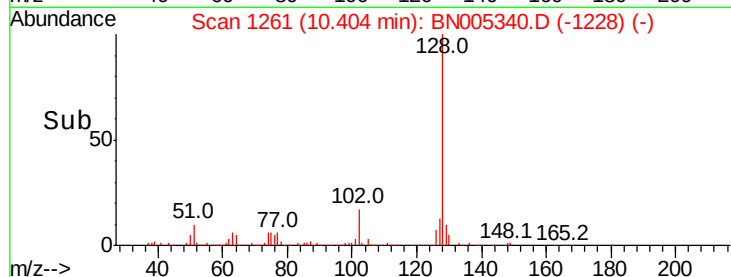
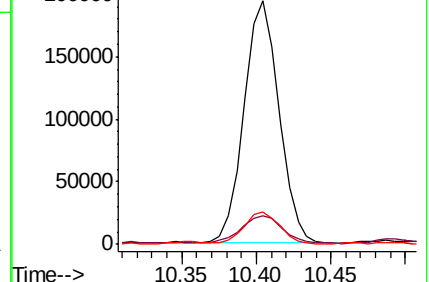
127 13.5 10.7 16.1



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: 4.152 ng/ul

RT: 12.02 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BN005340.D

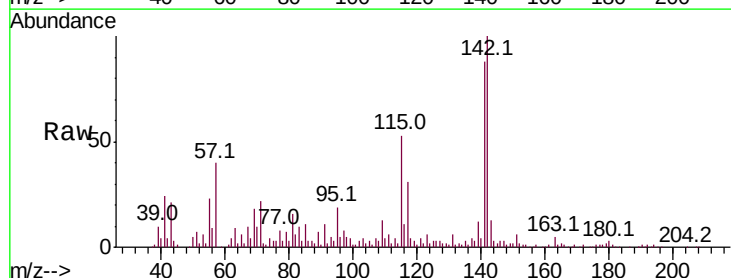
Acq: 27 Apr 2019 05:07

Tgt Ion:142 Resp: 251327

Ion Ratio Lower Upper

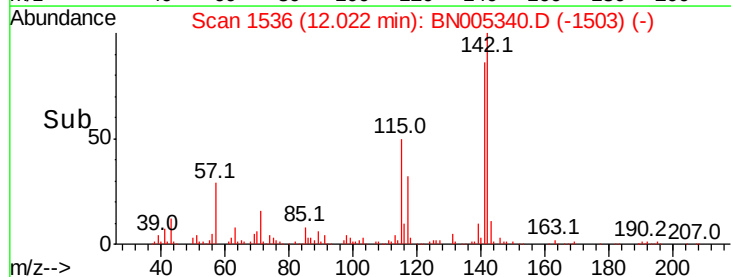
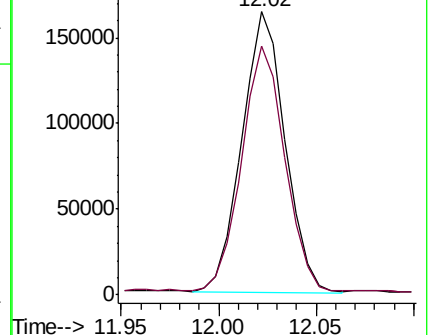
142 100

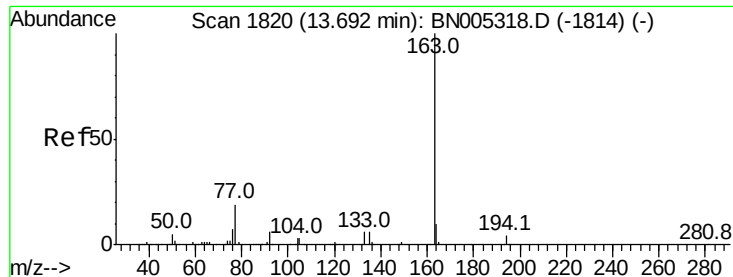
141 87.9 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

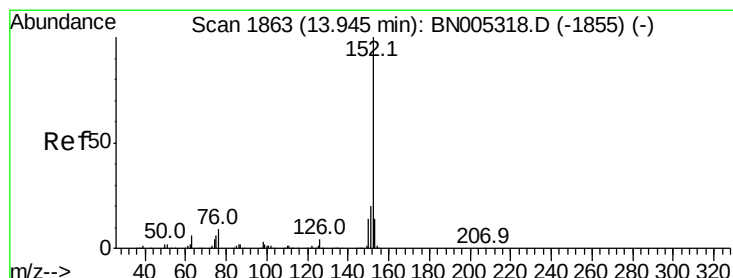
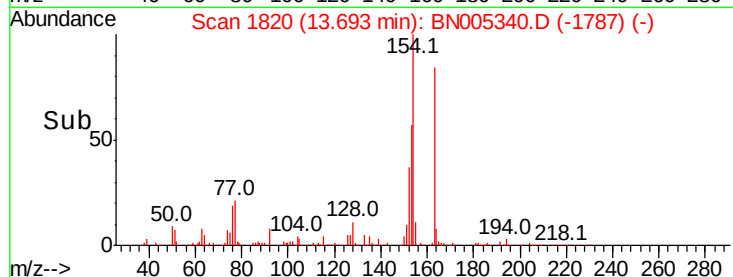
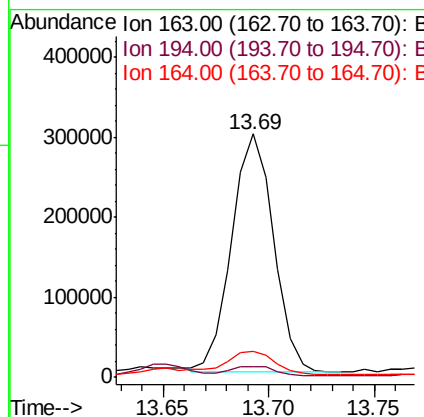
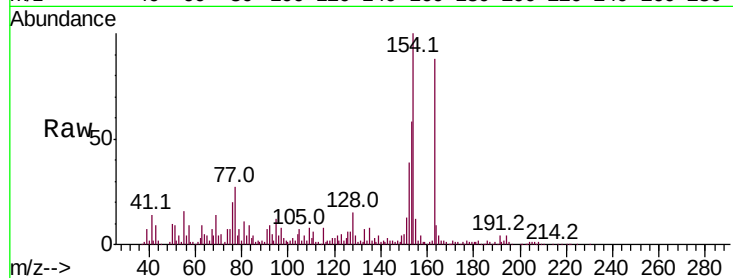




#44
Dimethylphthalate
Concen: 5.253 ng/ul
RT: 13.69 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BN005340.D
Acq: 27 Apr 2019 05:07

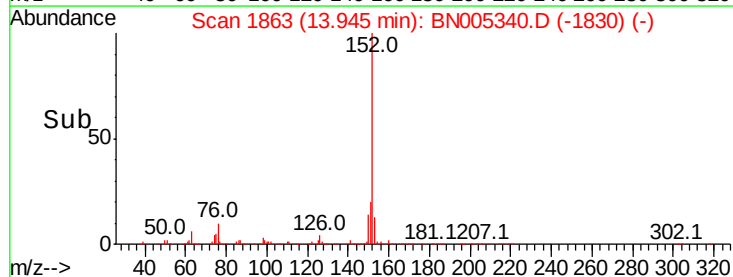
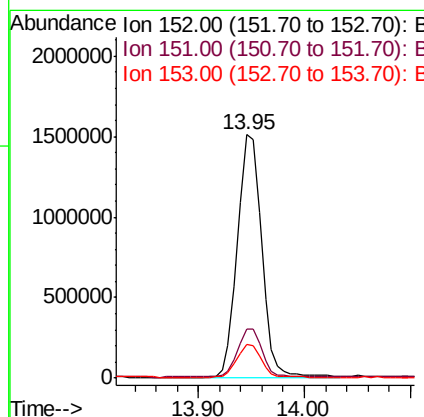
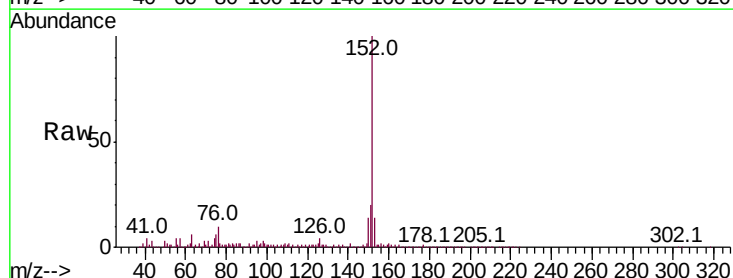
Instrument :
BNA_N
ClientSampleId :

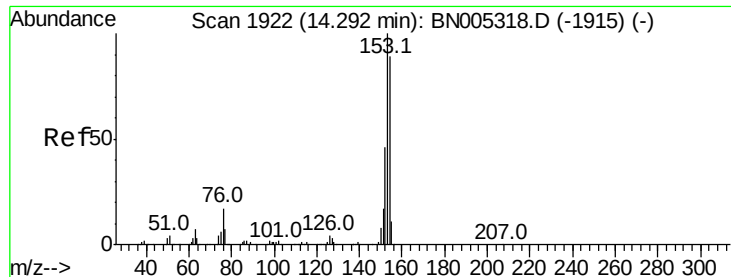
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.0
164	10.8	8.1	12.1



#47
Acenaphthylene
Concen: 25.643 ng/ul
RT: 13.95 min Scan# 1863
Delta R.T. -0.01 min
Lab File: BN005340.D
Acq: 27 Apr 2019 05:07

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.8	23.8
153	13.7	9.8	14.8





#49

Acenaphthene

Concen: 4.484 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BN005340.D

Acq: 27 Apr 2019 05:07

Instrument :

BNA_N

ClientSampleId :

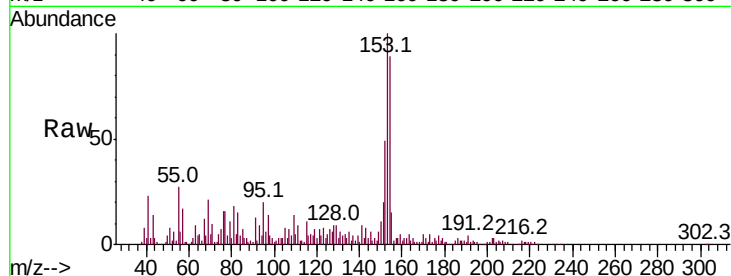
Tot Ion:153 Resp: 286438

Ion Ratio Lower Upper

153 100

152 48.7 37.4 56.0

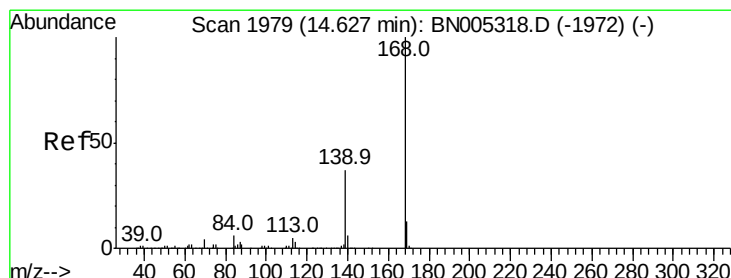
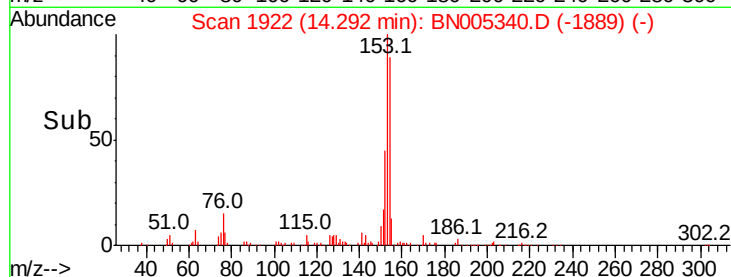
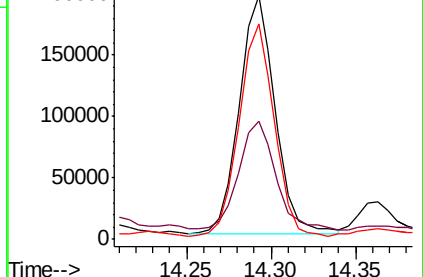
154 88.6 71.2 106.8



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: 3.974 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BN005340.D

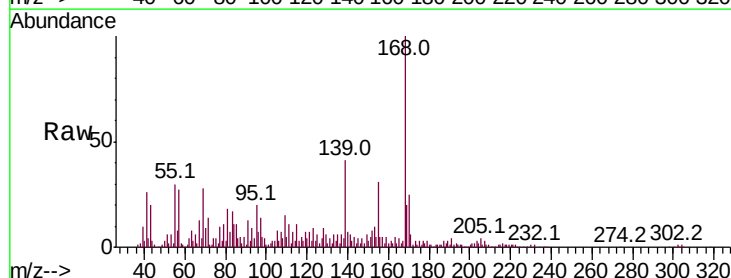
Acq: 27 Apr 2019 05:07

Tgt Ion:168 Resp: 365491

Ion Ratio Lower Upper

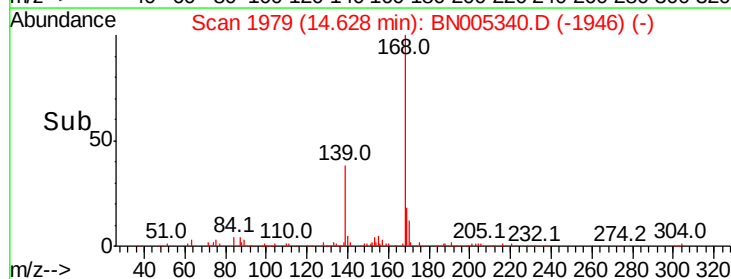
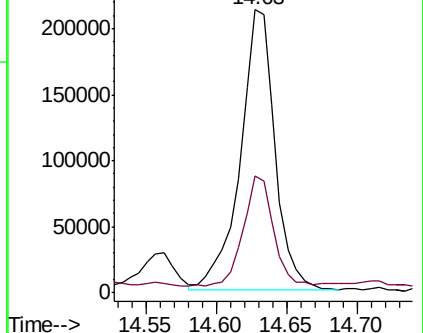
168 100

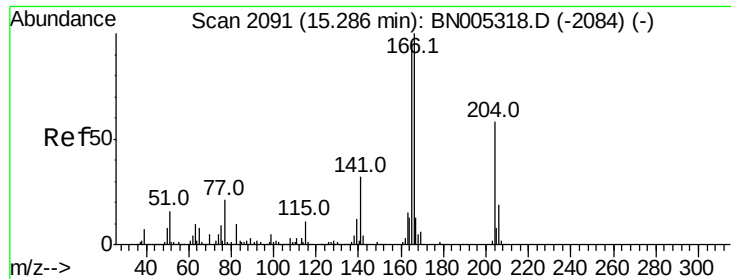
139 41.2 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 6.609 ng/ul

RT: 15.29 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BN005340.D

Acq: 27 Apr 2019 05:07

Instrument :

BNA_N

ClientSampleId :

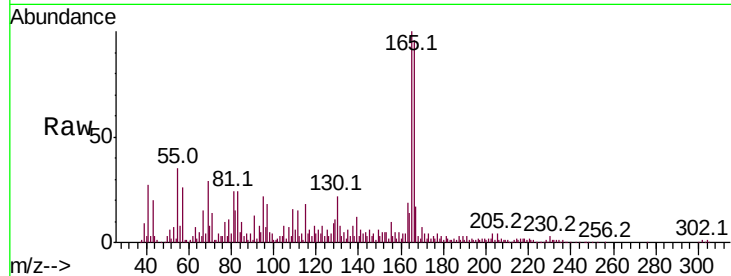
Tot Ion:166 Resp: 474319

Ion Ratio Lower Upper

166 100

165 103.8 80.0 120.0

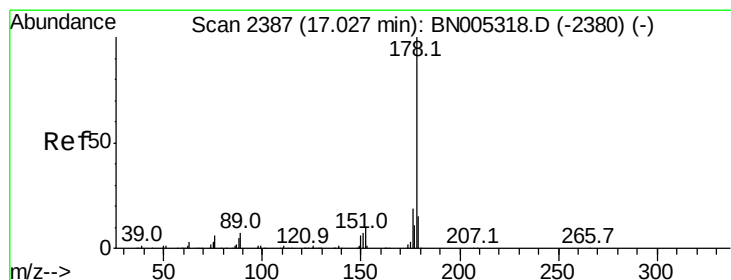
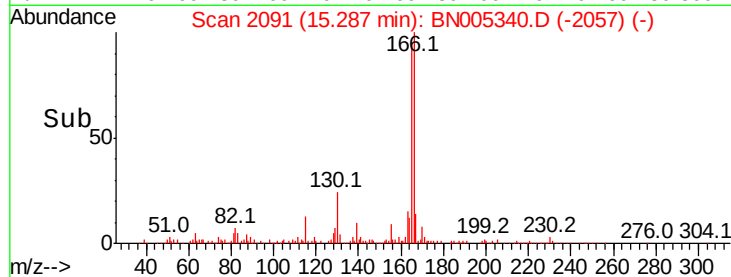
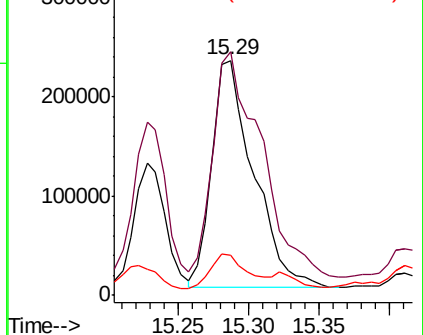
167 17.2 10.7 16.1#



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: 33.506 ng/ul

RT: 17.03 min Scan# 2387

Delta R.T. 0.00 min

Lab File: BN005340.D

Acq: 27 Apr 2019 05:07

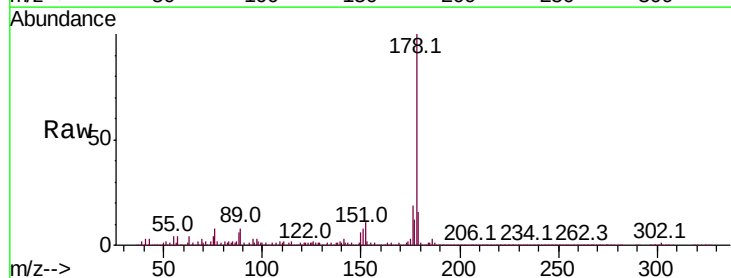
Tgt Ion:178 Resp: 3952746

Ion Ratio Lower Upper

178 100

179 16.5 12.2 18.4

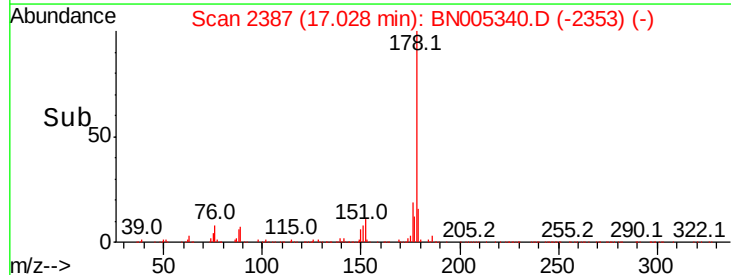
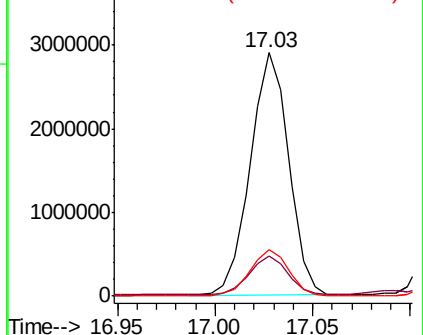
176 19.2 15.1 22.7

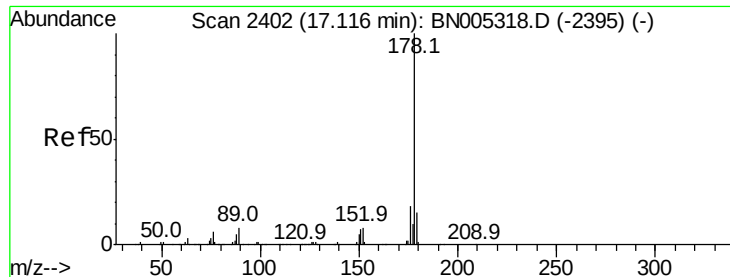


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

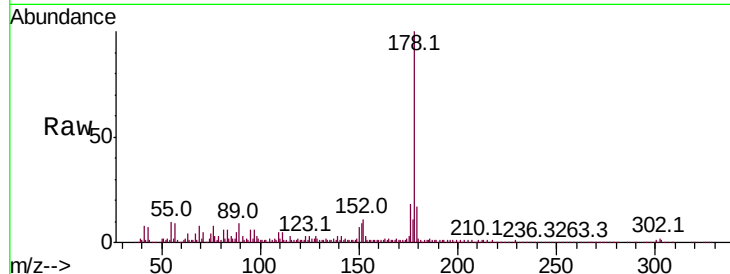




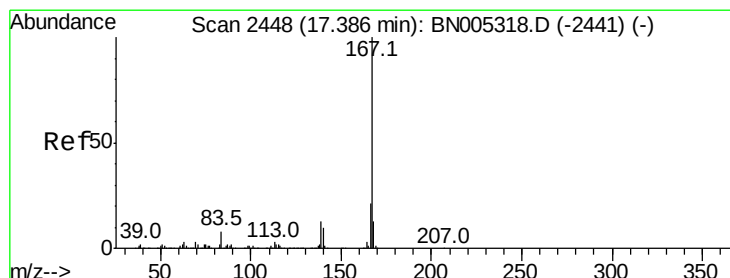
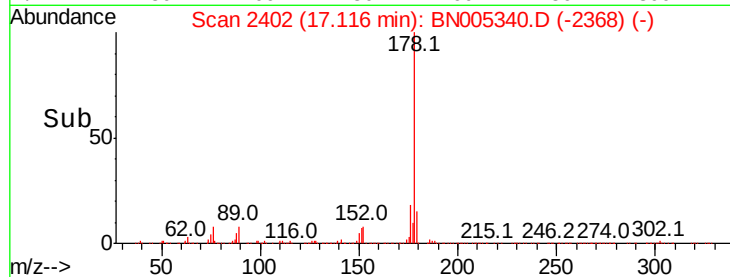
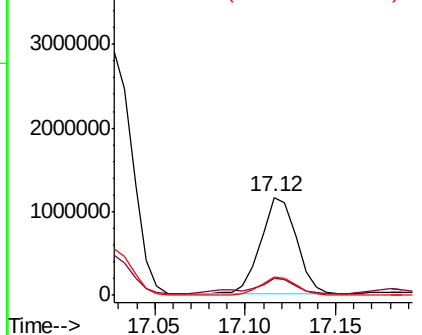
#71
 Anthracene
 Concen: 13.303 ng/ul
 RT: 17.12 min Scan# 2402
 Delta R.T. 0.00 min
 Lab File: BN005340.D
 Acq: 27 Apr 2019 05:07

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:178 Resp: 1598748
 Ion Ratio Lower Upper
 178 100
 179 16.8 12.3 18.5
 176 18.1 15.1 22.7

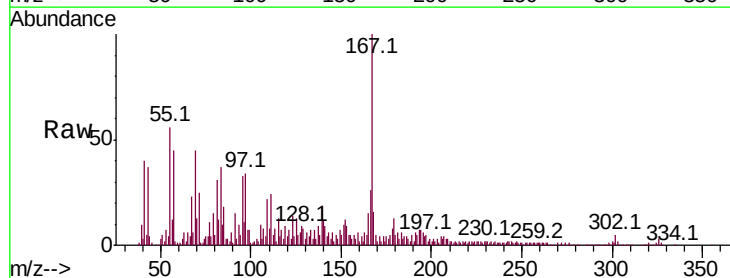


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

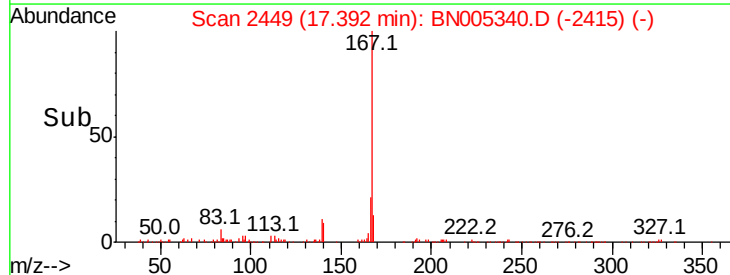
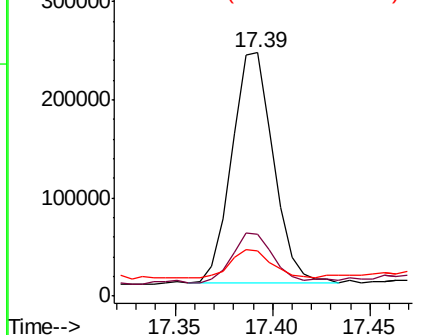


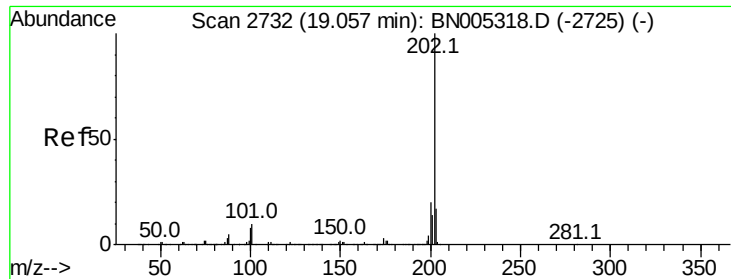
#74
 Carbazole
 Concen: 3.374 ng/ul
 RT: 17.39 min Scan# 2449
 Delta R.T. 0.00 min
 Lab File: BN005340.D
 Acq: 27 Apr 2019 05:07

Tgt Ion:167 Resp: 348274
 Ion Ratio Lower Upper
 167 100
 166 25.5 17.2 25.8
 139 18.8 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: 38.707 ng/ul

RT: 19.06 min Scan# 2733

Delta R.T. 0.00 min

Lab File: BN005340.D

Acq: 27 Apr 2019 05:07

Instrument :

BNA_N

ClientSampled :

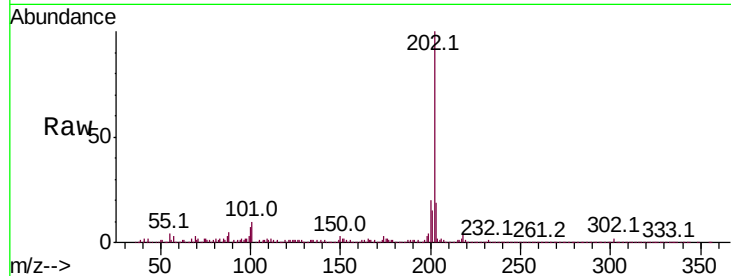
Tot Ion:202 Resp: 5064963

Ion Ratio Lower Upper

202 100

101 9.8 8.6 12.8

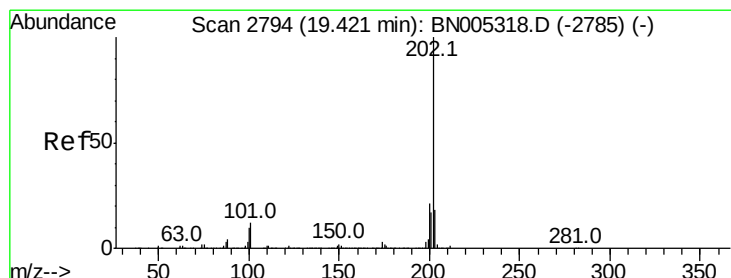
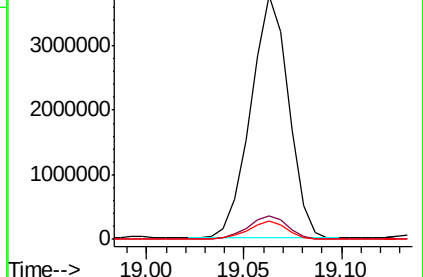
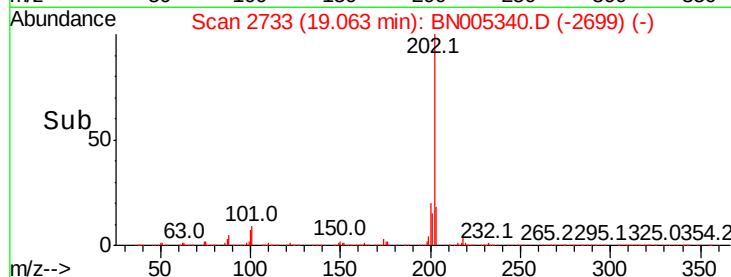
100 7.3 6.3 9.5



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

Pyrene

Concen: 58.511 ng/ul

RT: 19.43 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BN005340.D

Acq: 27 Apr 2019 05:07

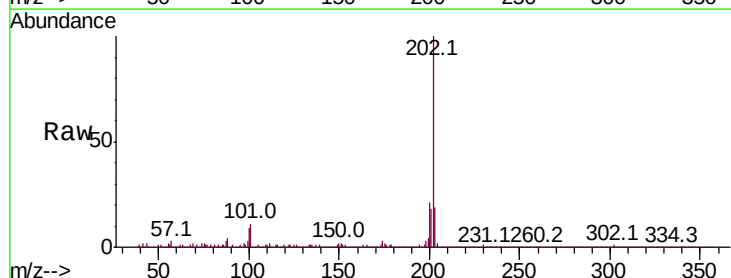
Tgt Ion:202 Resp: 7309342

Ion Ratio Lower Upper

202 100

101 11.4 10.3 15.5

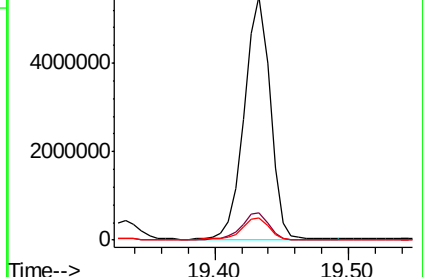
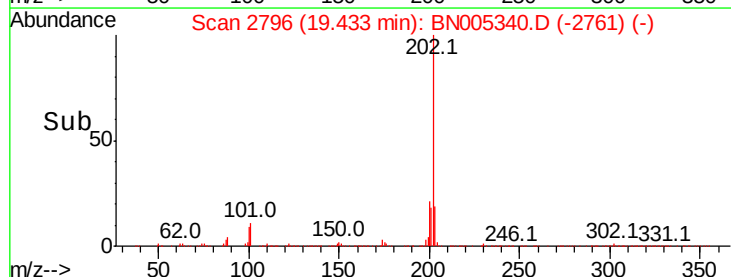
100 9.2 7.9 11.9

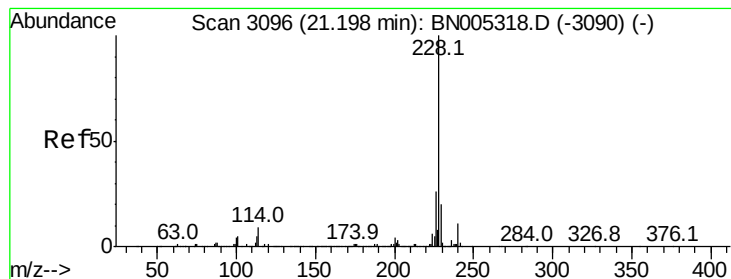


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 26.090 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. 0.05 min

Lab File: BN005340.D

Acq: 27 Apr 2019 05:07

Instrument :

BNA_N

ClientSampleId :

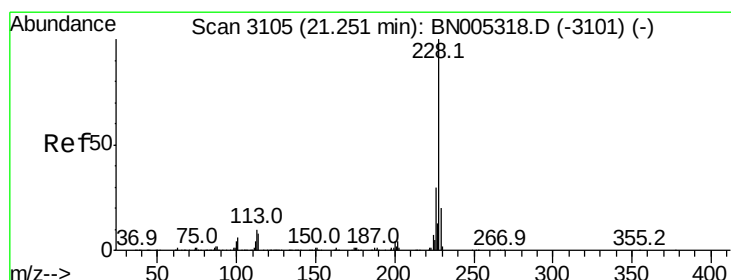
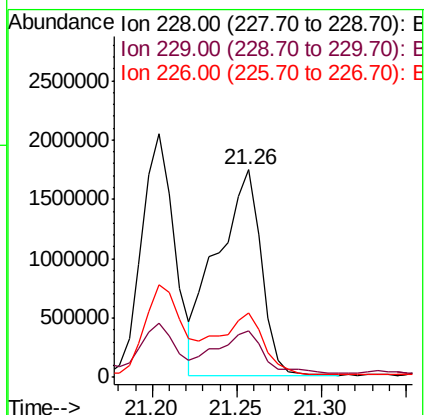
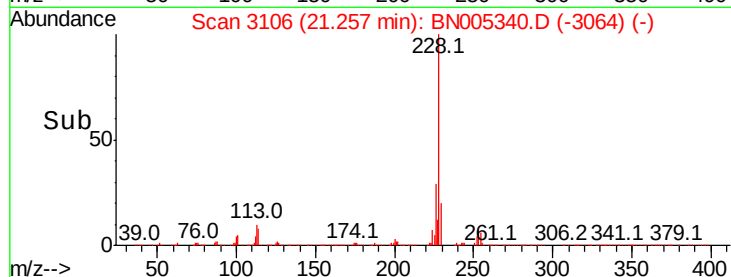
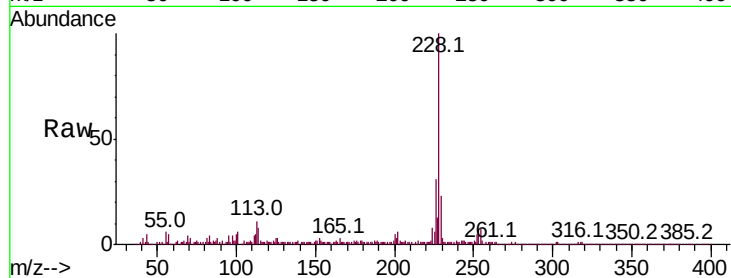
Tot Ion:228 Resp: 3149100

Ion	Ratio	Lower	Upper
228	100		
229	22.7	15.8	23.6
226	30.8	21.4	32.2

228 100

229 22.7 15.8 23.6

226 30.8 21.4 32.2



#84

Chrysene

Concen: 28.112 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. -0.01 min

Lab File: BN005340.D

Acq: 27 Apr 2019 05:07

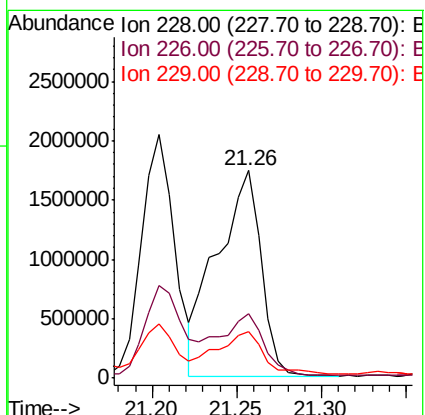
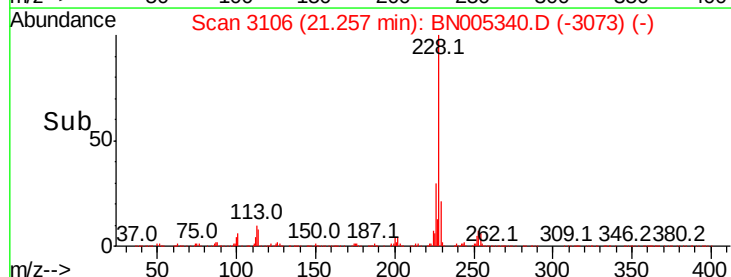
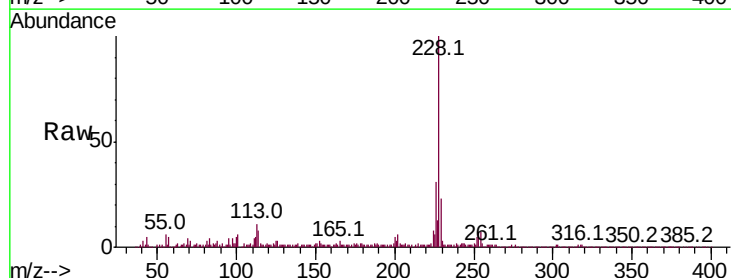
Tgt Ion:228 Resp: 3149100

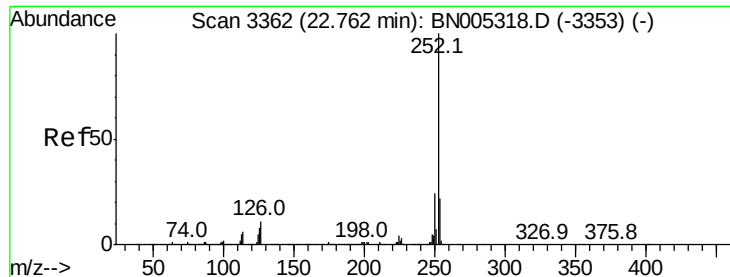
Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.0	36.0
229	22.7	15.4	23.0

228 100

226 30.8 24.0 36.0

229 22.7 15.4 23.0





#87

Benzo(b)fluoranthene

Concen: 45.945 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. -0.01 min

Lab File: BN005340.D

Acq: 27 Apr 2019 05:07

Instrument :

BNA_N

ClientSampleId :

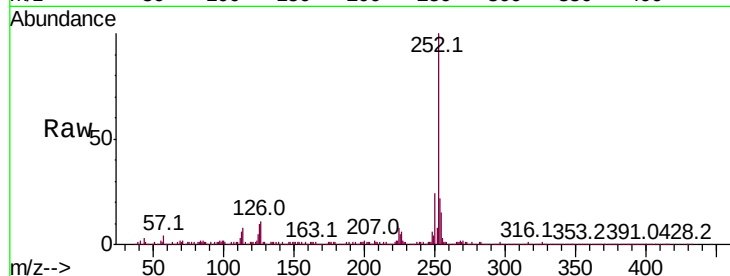
Tot Ion:252 Resp: 5076337

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

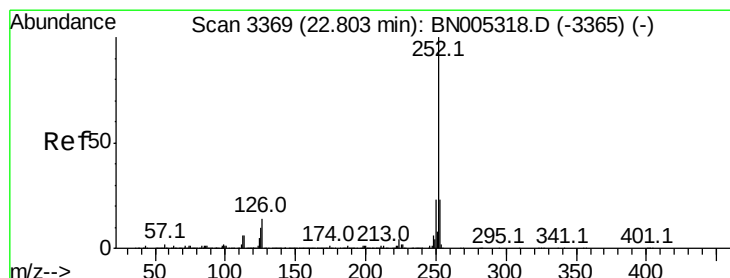
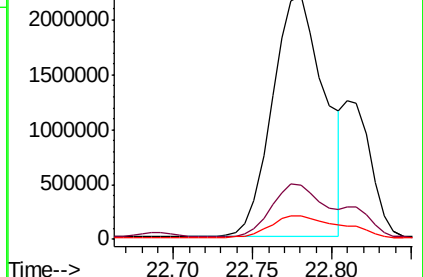
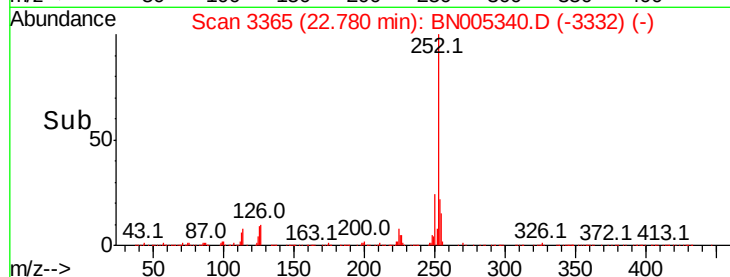
125 9.6 8.4 12.6



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: 48.107 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. -0.05 min

Lab File: BN005340.D

Acq: 27 Apr 2019 05:07

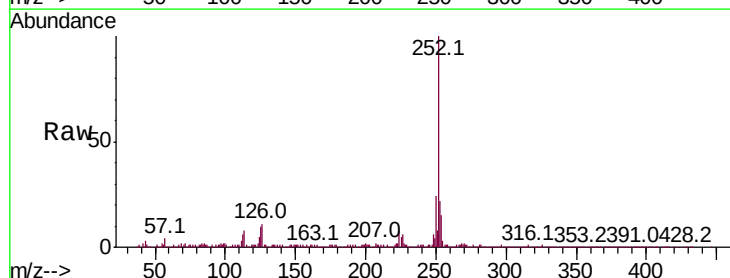
Tgt Ion:252 Resp: 5076337

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

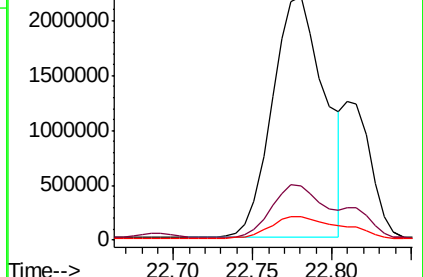
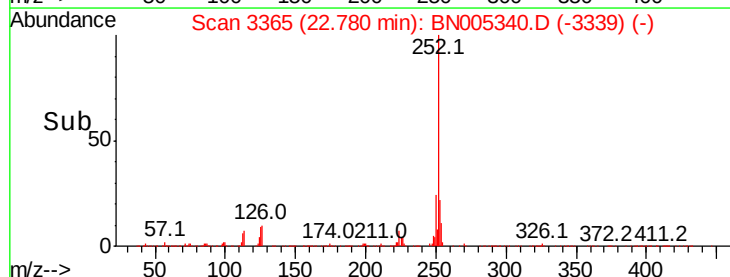
125 9.6 7.5 11.3

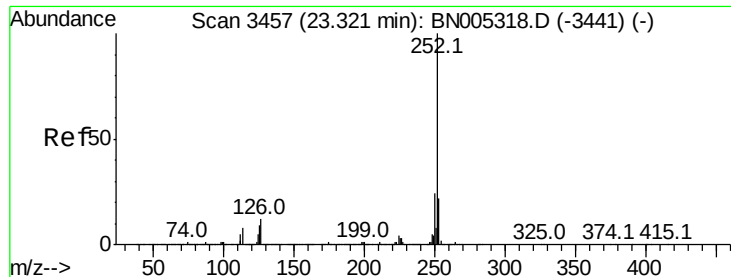


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 21.304 ng/ul

RT: 23.33 min Scan# 3459

Delta R.T. -0.01 min

Lab File: BN005340.D

Acq: 27 Apr 2019 05:07

Instrument :

BNA_N

ClientSampleId :

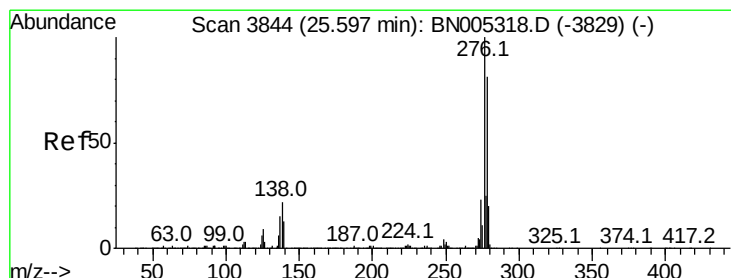
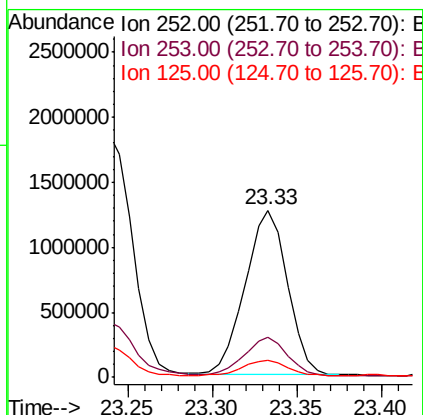
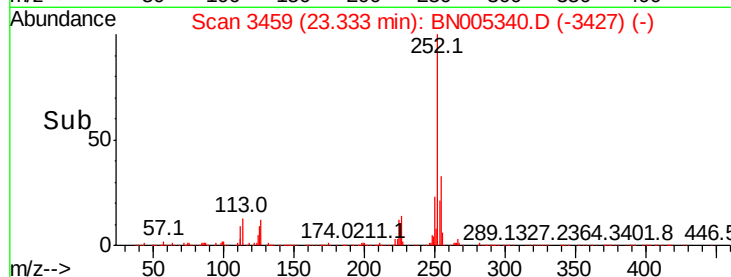
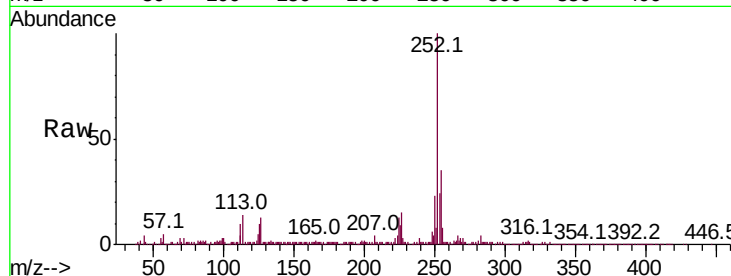
Tot Ion:252 Resp: 2212474

Ion Ratio Lower Upper

252 100

253 23.8 17.3 25.9

125 10.3 8.6 13.0



#91

Indeno(1,2,3-cd)pyrene

Concen: 31.204 ng/ul

RT: 25.62 min Scan# 3847

Delta R.T. -0.01 min

Lab File: BN005340.D

Acq: 27 Apr 2019 05:07

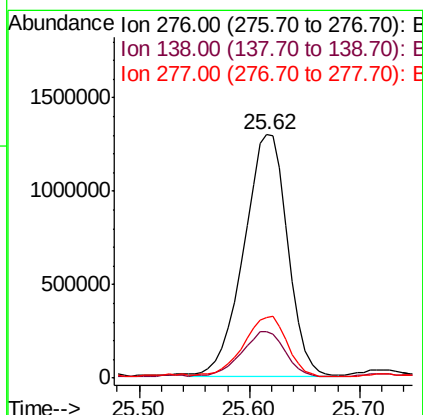
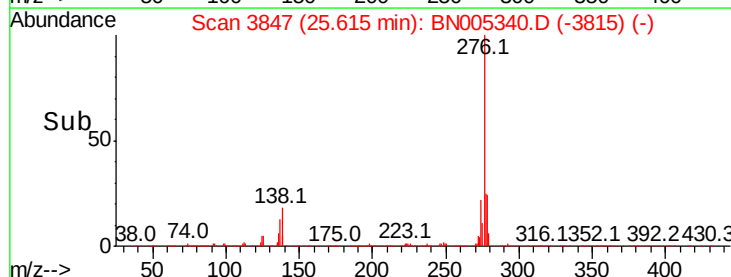
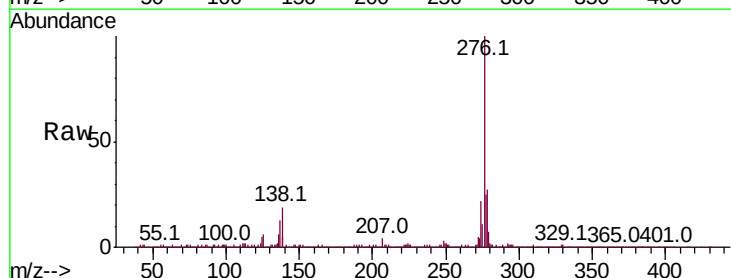
Tgt Ion:276 Resp: 3582873

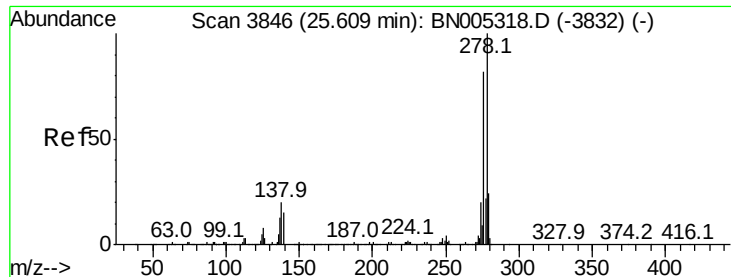
Ion Ratio Lower Upper

276 100

138 24.1 17.9 26.9

277 25.0 19.7 29.5



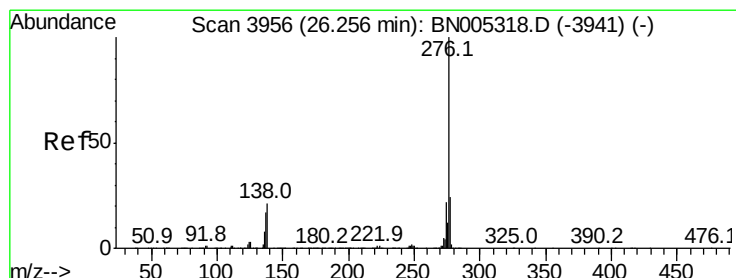
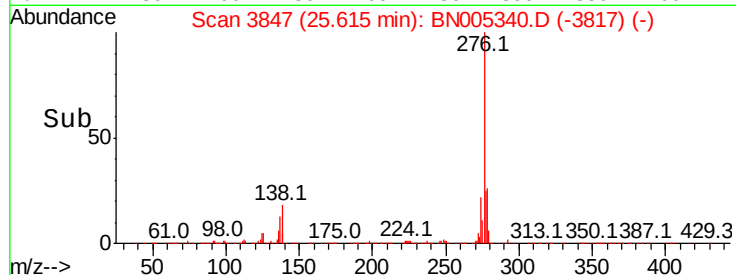
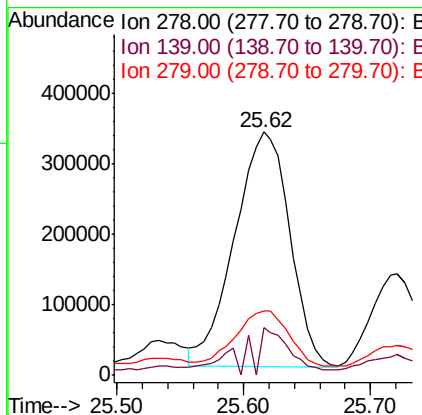
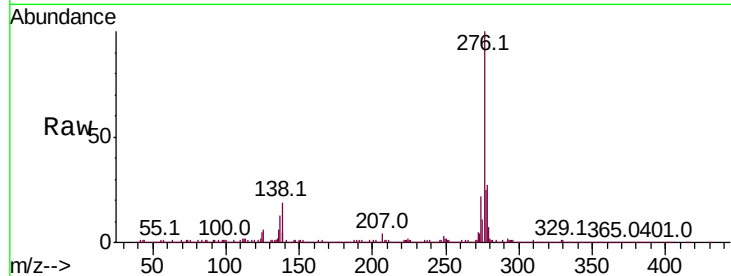


#92

Dibenzo(a,h)anthracene
Concen: 10.361 ng/ul
RT: 25.62 min Scan# 3847
Delta R.T. -0.02 min
Lab File: BN005340.D
Acq: 27 Apr 2019 05:07

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 1009664
Ion Ratio Lower Upper
278 100
139 19.5 13.1 19.7
279 26.2 19.4 29.0



#93

Benzo(g,h,i)perylene
Concen: 34.101 ng/ul
RT: 26.29 min Scan# 3961
Delta R.T. -0.01 min
Lab File: BN005340.D
Acq: 27 Apr 2019 05:07

Tgt Ion:276 Resp: 3237626
Ion Ratio Lower Upper
276 100
138 18.6 16.7 25.1
277 23.7 18.2 27.2

