

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042319\
 Data File : BN005236.D
 Acq On : 24 Apr 2019 04:15
 Operator : JU/SJ
 Sample : K2403-05DL 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHH7DL

Quant Time: Apr 24 08:55:35 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	431484	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1755571	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	986015	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2110471	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1790013	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	1975610	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	4575	0.51	ng/uL	0.00
5) Phenol-d5	6.78	99	71285	2.10	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	50531	2.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	61797	2.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	37303	1.41	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	29762	2.75	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	27418	2.50	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	56686	2.26	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	69218	2.67	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	211087	2.95	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	251895	2.87	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	18196	1.61	ng/ul	0.00
57) Fluorene-d10	15.23	176	181757	3.03	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	6196	0.65	ng/ul	0.00
70) Anthracene-d10	17.08	188	268360	3.03	ng/ul	0.00
78) Pyrene-d10	19.40	212	279193	3.05	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	249910	2.89	ng/ul	0.00

Target Compounds

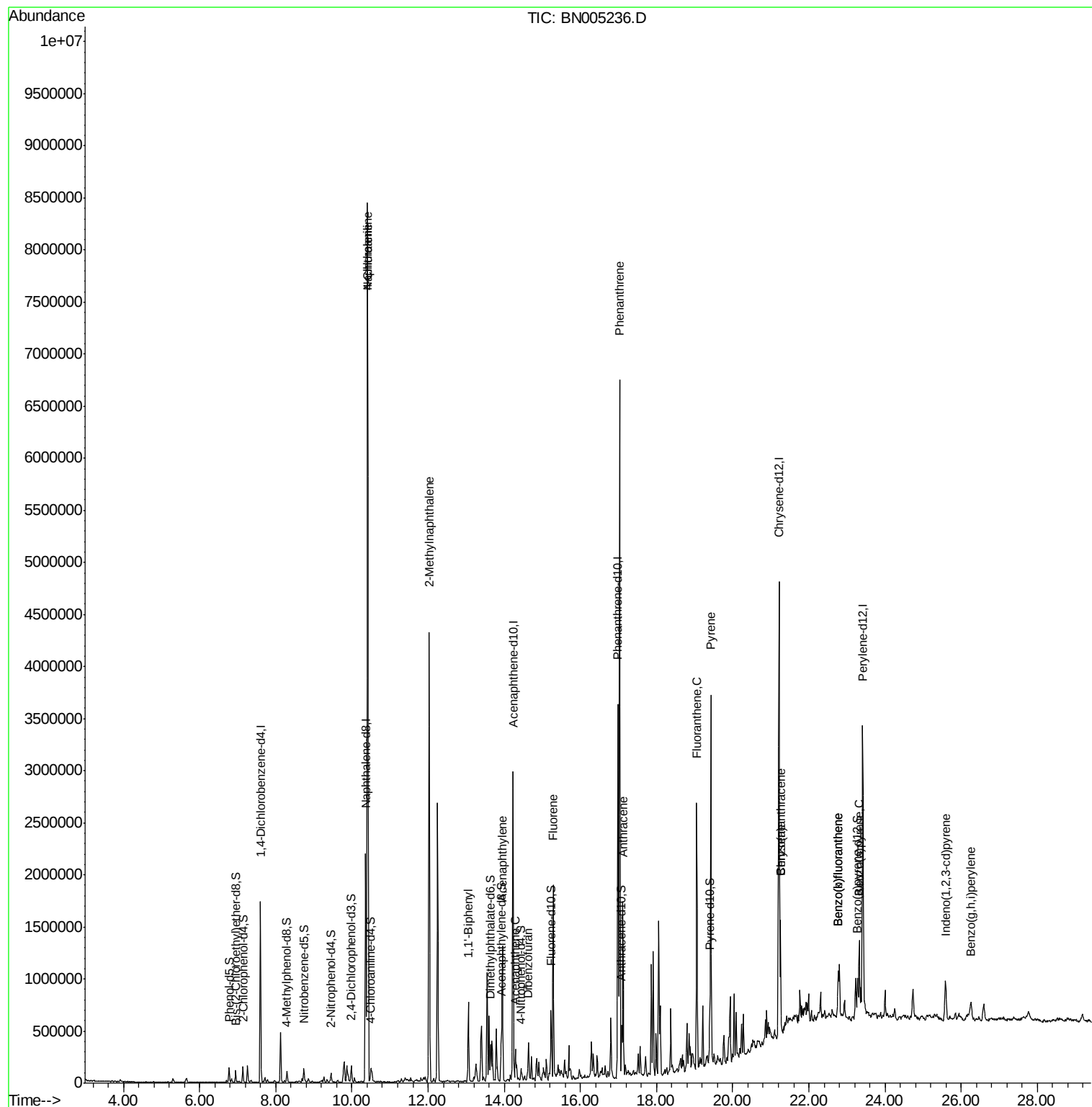
					Qvalue
28) Naphthalene	10.41	128	6624628	81.171 ng/ul	99
30) 4-Chloroaniline	10.41	127	883878	33.511 ng/ul#	9
34) 2-Methylnaphthalene	12.03	142	1982245	33.171 ng/ul	97
40) 1,1'-Biphenyl	13.06	154	383978	5.227 ng/ul	98
47) Acenaphthylene	13.95	152	752179	8.706 ng/ul	96
49) Acenaphthene	14.29	153	122352	2.074 ng/ul	96
53) Dibenzofuran	14.63	168	125512	1.478 ng/ul	96
58) Fluorene	15.29	166	820498	12.382 ng/ul	97
69) Phenanthrene	17.03	178	3970929	38.634 ng/ul	99
71) Anthracene	17.12	178	1002166	9.571 ng/ul	100
76) Fluoranthene	19.06	202	1547553	13.574 ng/ul	100
79) Pyrene	19.43	202	2180688	18.921 ng/ul	98
82) Benzo(a)anthracene	21.25	228	625158	5.614 ng/ul	94
84) Chrysene	21.25	228	625158	6.049 ng/ul	98
87) Benzo(b)fluoranthene	22.77	252	471537	4.246 ng/ul	99
88) Benzo(k)fluoranthene	22.77	252	471537	4.446 ng/ul#	97
90) Benzo(a)pyrene	23.32	252	531069	5.088 ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.59	276	208824	1.809 ng/ul	98
93) Benzo(g,h,i)perylene	26.25	276	175111	1.835 ng/ul	96

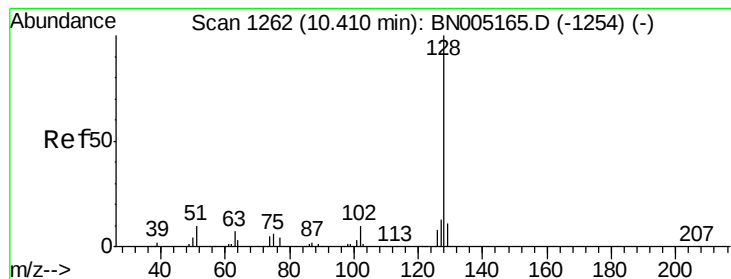
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 81.171 ng/ul

RT: 10.41 min Scan# 1262

Delta R.T. -0.00 min

Lab File: BN005236.D

Acq: 24 Apr 2019 04:15

Instrument :

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ClientSampleId :

GAHH7DL

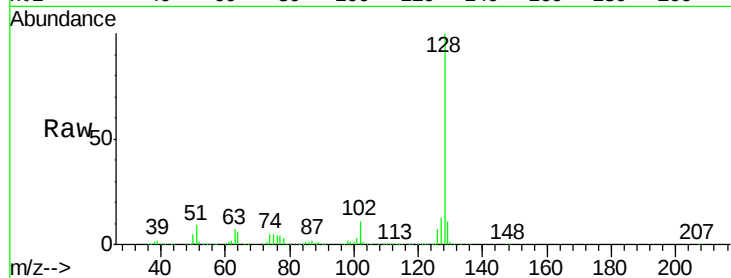
Tgt Ion:128 Resp: 6624628

Ion Ratio Lower Upper

128 100

129 11.0 9.2 13.8

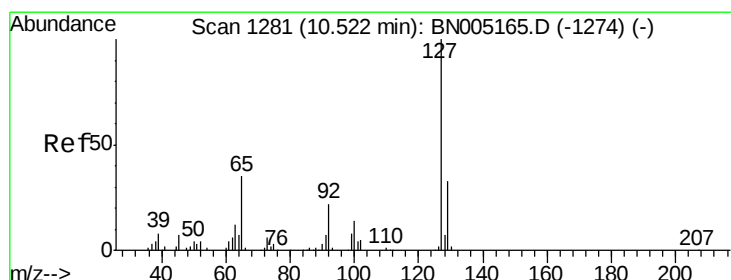
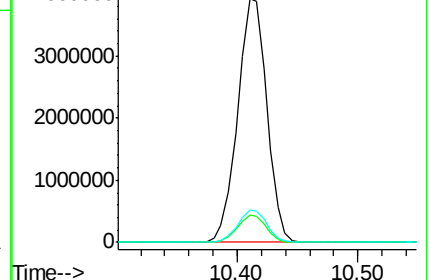
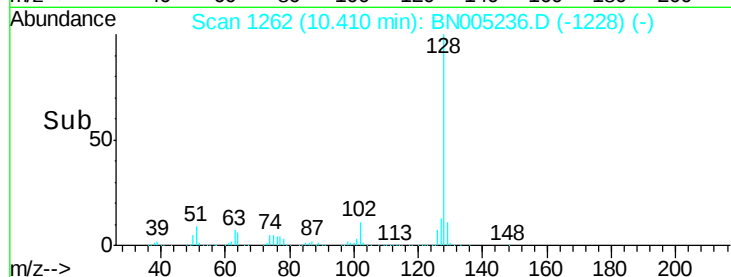
127 13.3 10.7 16.1



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: 33.511 ng/ul

RT: 10.41 min Scan# 1262

Delta R.T. -0.11 min

Lab File: BN005236.D

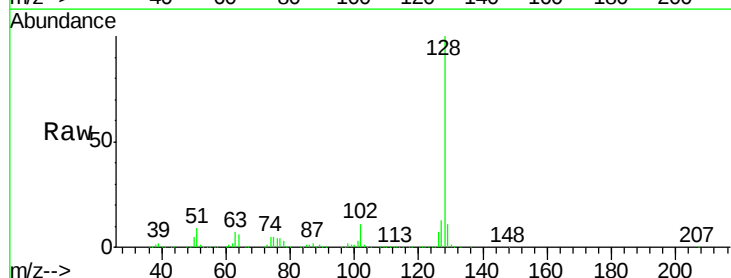
Acq: 24 Apr 2019 04:15

Tgt Ion:127 Resp: 883878

Ion Ratio Lower Upper

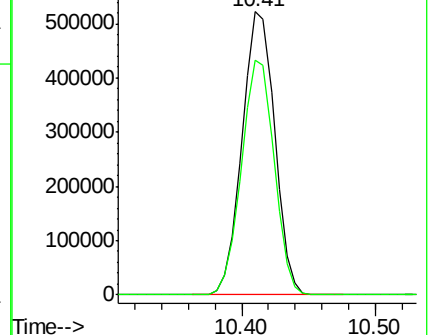
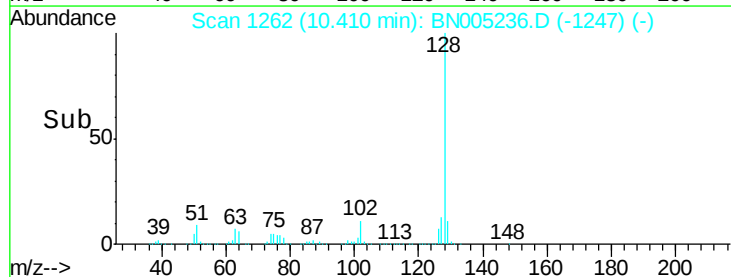
127 100

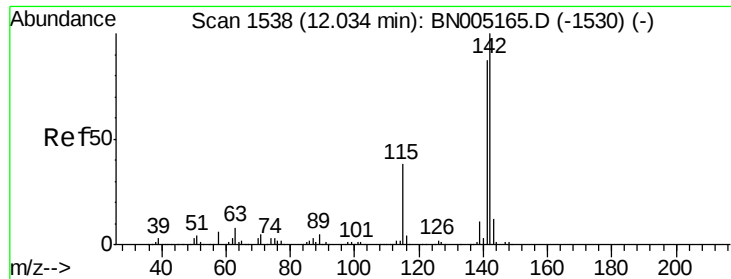
129 82.8 25.8 38.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

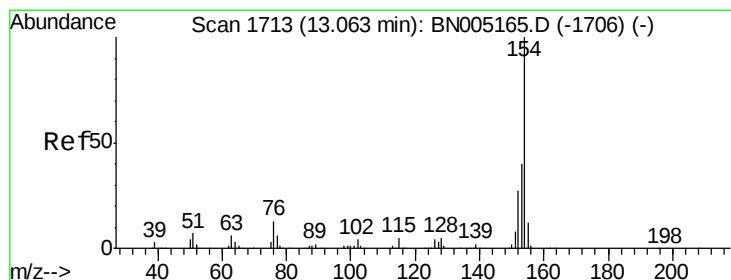
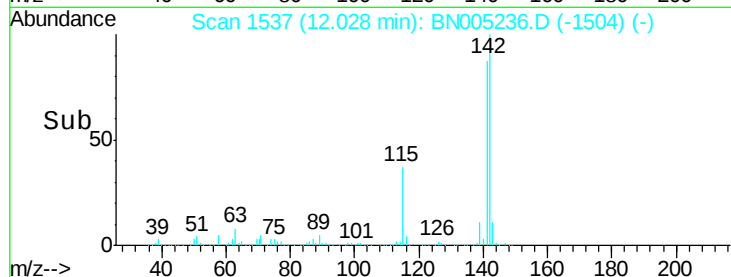
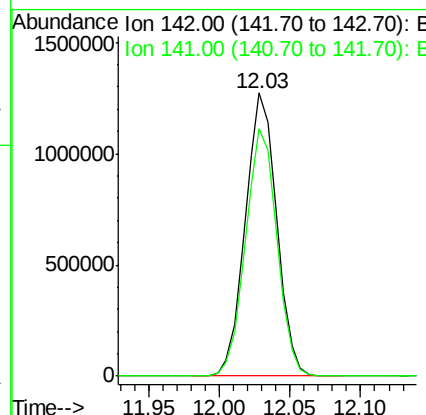
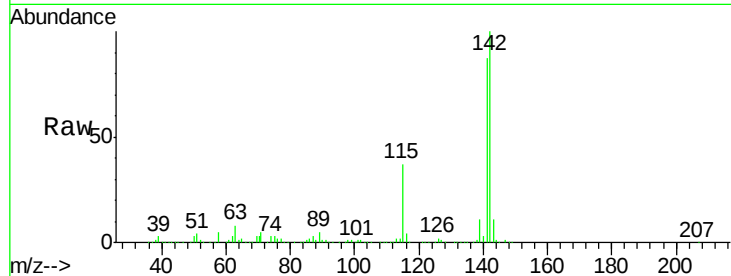




#34
 2-Methylnaphthalene
 Concen: 33.171 ng/ul
 RT: 12.03 min Scan# 1537
 Delta R.T. -0.01 min
 Lab File: BN005236.D
 Acq: 24 Apr 2019 04:15

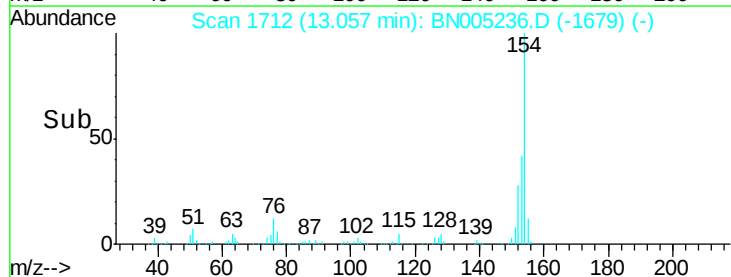
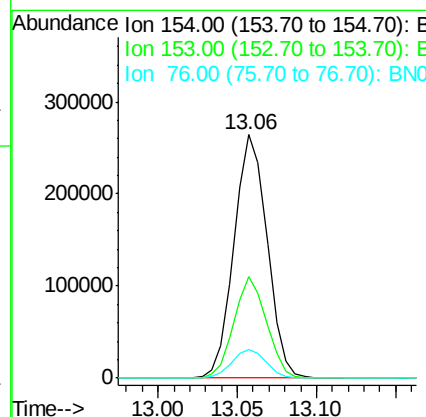
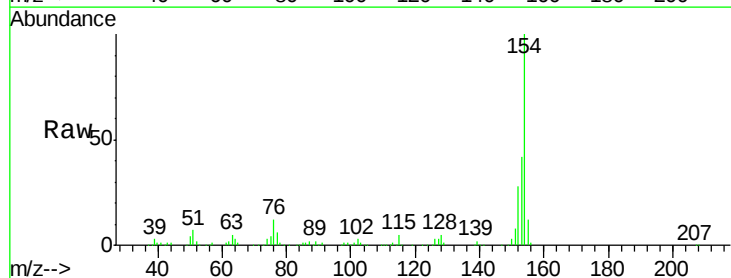
Instrument :
 BNA_N
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 GAHH7DL

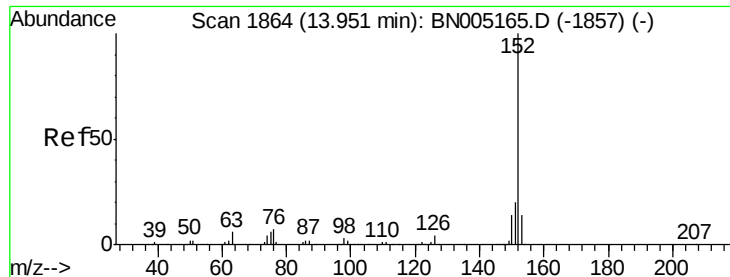
Tgt Ion:142 Resp: 1982245
 Ion Ratio Lower Upper
 142 100
 141 87.4 72.0 108.0



#40
 1,1'-Biphenyl
 Concen: 5.227 ng/ul
 RT: 13.06 min Scan# 1712
 Delta R.T. -0.01 min
 Lab File: BN005236.D
 Acq: 24 Apr 2019 04:15

Tgt Ion:154 Resp: 383978
 Ion Ratio Lower Upper
 154 100
 153 41.7 32.6 49.0
 76 11.9 10.4 15.6





#47

Acenaphthylene

Concen: 8.706 ng/ul

RT: 13.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: BN005236.D

Acq: 24 Apr 2019 04:15

Instrument :

BNA_N

ClientSampleId :

GAHH7DL

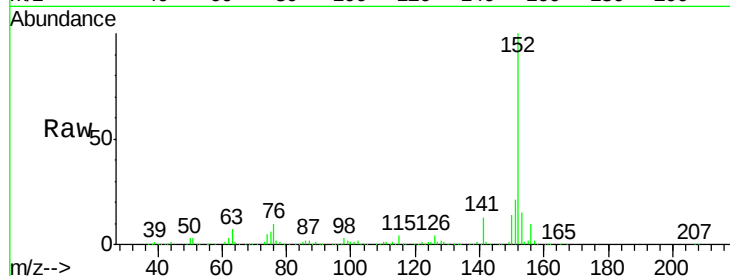
Tgt Ion:152 Resp: 752179

Ion Ratio Lower Upper

152 100

151 20.9 15.8 23.8

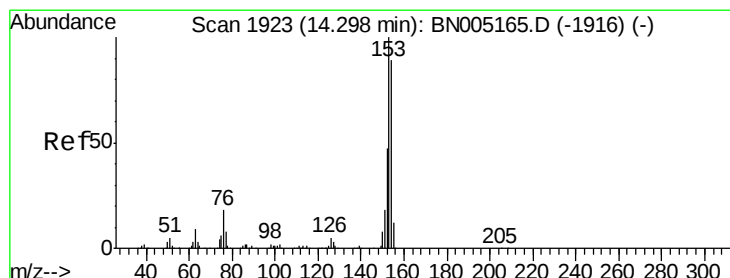
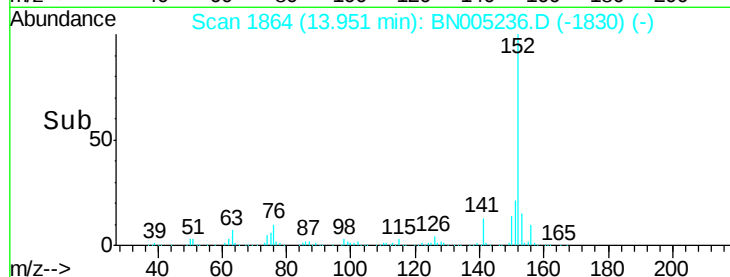
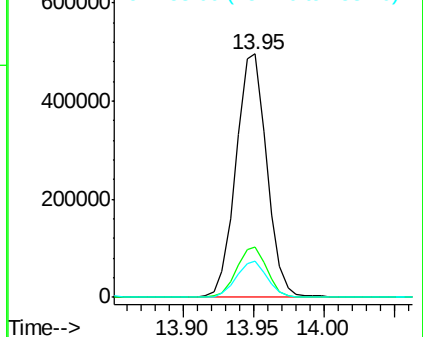
153 14.6 9.8 14.8



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: 2.074 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BN005236.D

Acq: 24 Apr 2019 04:15

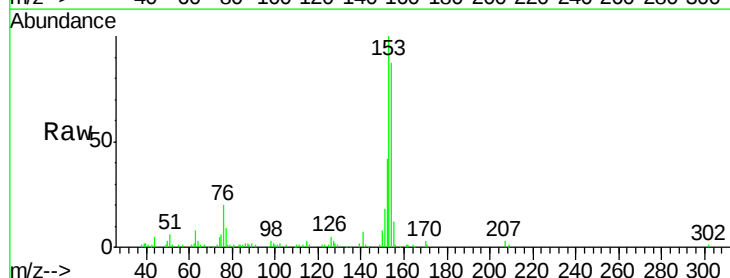
Tgt Ion:153 Resp: 122352

Ion Ratio Lower Upper

153 100

152 42.1 37.4 56.0

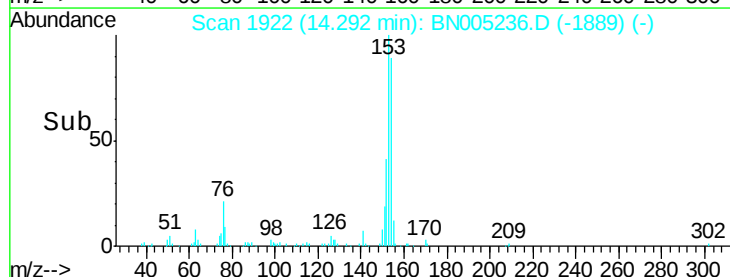
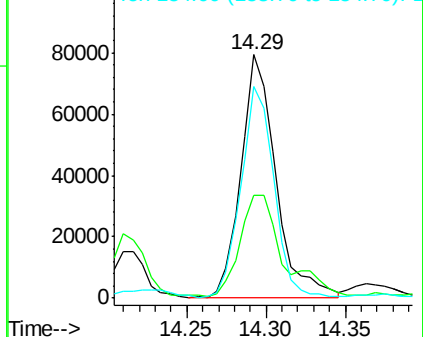
154 86.7 71.2 106.8

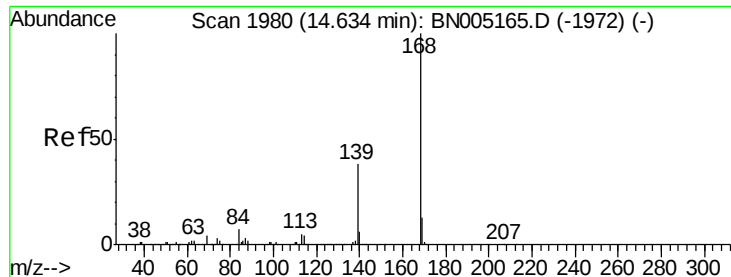


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 1.478 ng/ul

RT: 14.63 min Scan# 1980

Delta R.T. -0.00 min

Lab File: BN005236.D

Acq: 24 Apr 2019 04:15

Instrument :

BNA_N

ClientSampleId :

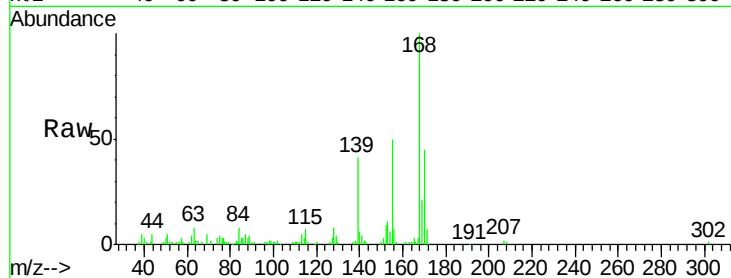
GAHH7DL

Tgt Ion:168 Resp: 125512

Ion Ratio Lower Upper

168 100

139 41.0 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.63

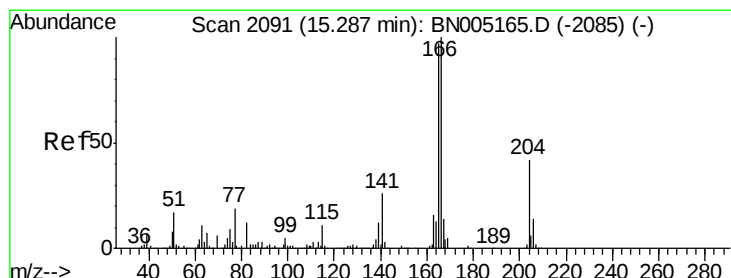
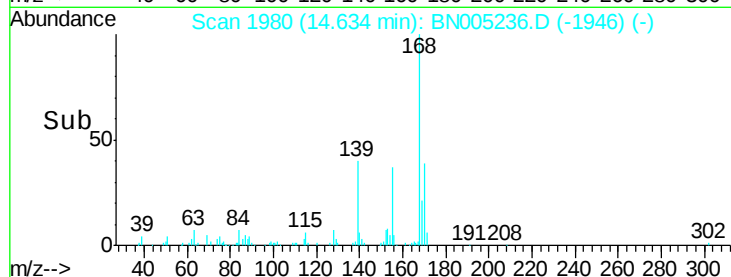
80000

60000

40000

20000

Time--> 14.55 14.60 14.65



#58

Fluorene

Concen: 12.382 ng/ul

RT: 15.29 min Scan# 2091

Delta R.T. -0.00 min

Lab File: BN005236.D

Acq: 24 Apr 2019 04:15

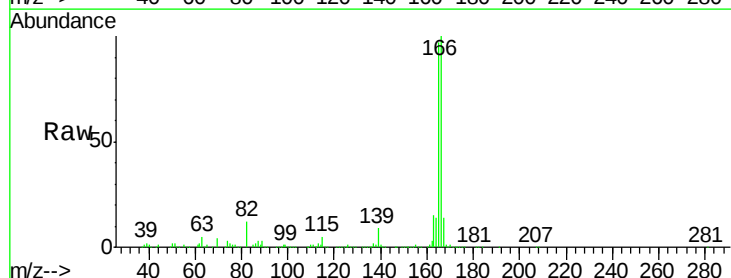
Tgt Ion:166 Resp: 820498

Ion Ratio Lower Upper

166 100

165 97.2 80.0 120.0

167 13.9 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

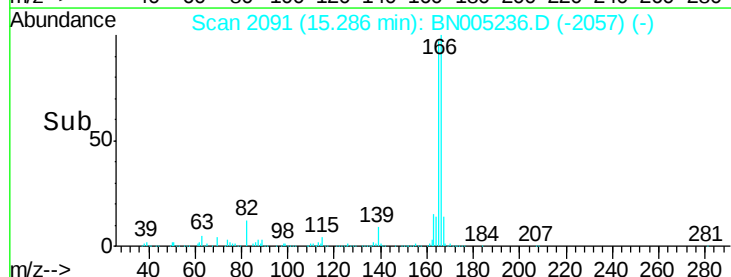
15.29

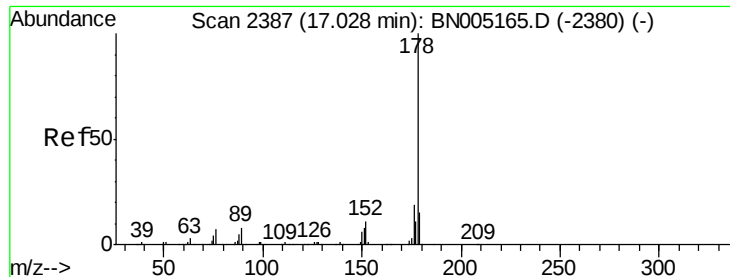
600000

400000

200000

Time--> 15.25 15.30 15.35





#69

Phenanthrene

Concen: 38.634 ng/ul

RT: 17.03 min Scan# 2387

Delta R.T. -0.00 min

Lab File: BN005236.D

Acq: 24 Apr 2019 04:15

Instrument :

BNA_N

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GAHH7DL

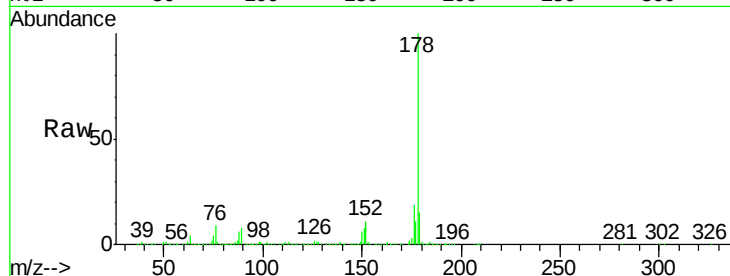
Tgt Ion:178 Resp: 3970929

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.4

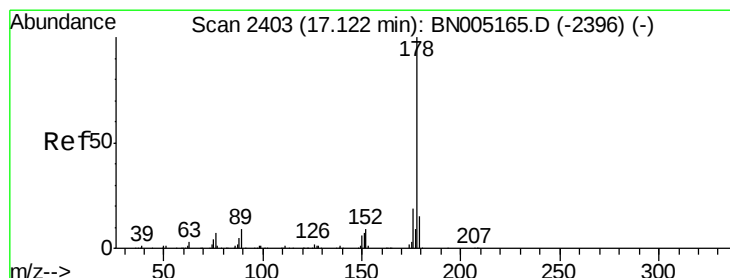
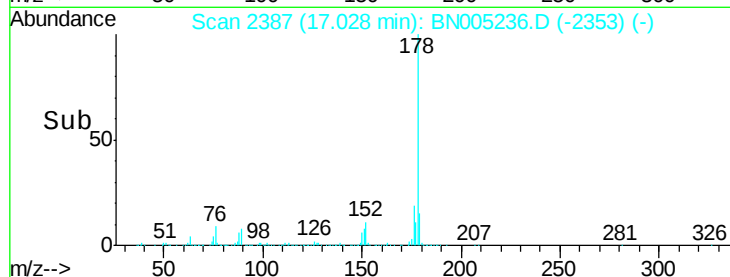
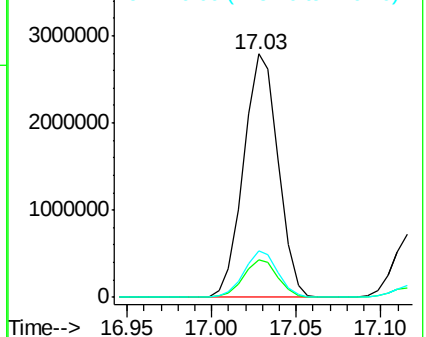
176 19.4 15.1 22.7



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: 9.571 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. -0.01 min

Lab File: BN005236.D

Acq: 24 Apr 2019 04:15

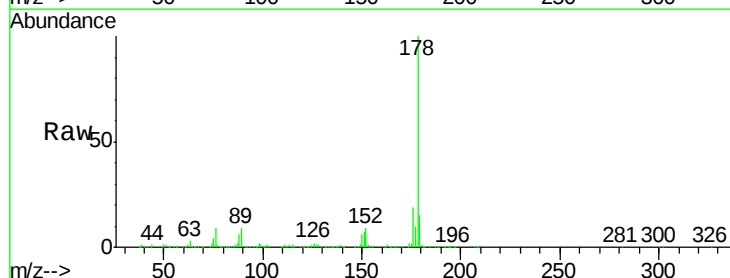
Tgt Ion:178 Resp: 1002166

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

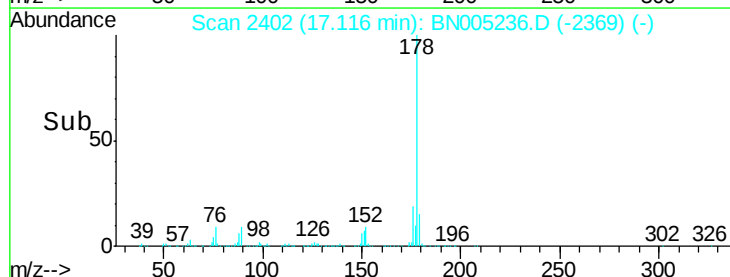
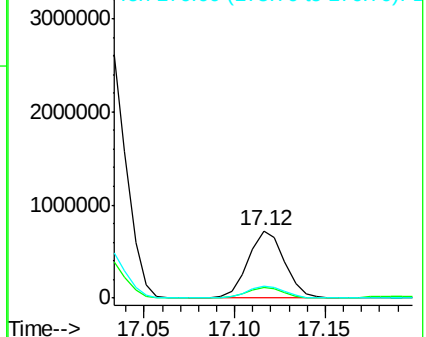
176 18.6 15.1 22.7

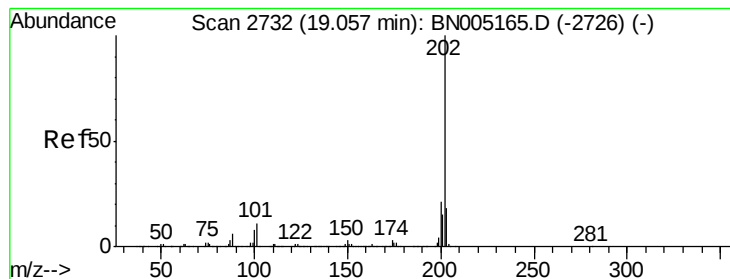


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 13.574 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. -0.00 min

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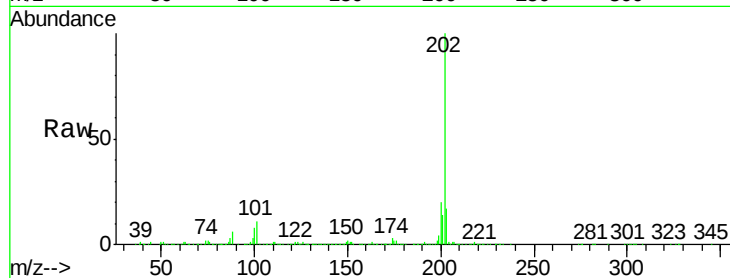
Tgt Ion:202 Resp: 1547553

Ion Ratio Lower Upper

202 100

101 10.6 8.6 12.8

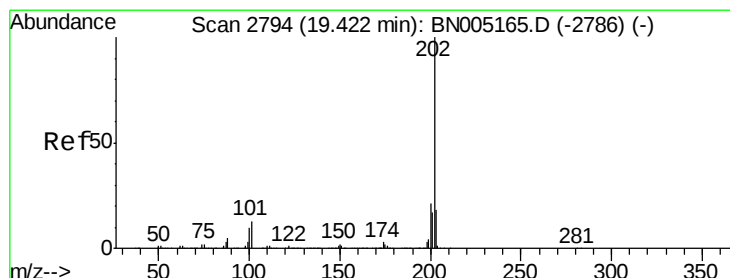
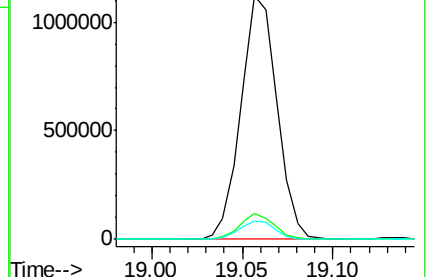
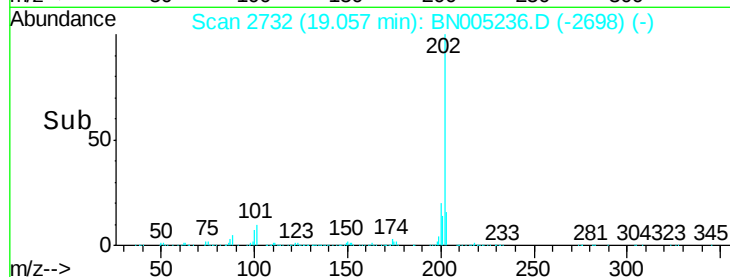
100 7.7 6.3 9.5



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: 18.921 ng/ul

RT: 19.43 min Scan# 2795

Delta R.T. 0.01 min

Lab File: BN005236.D

Acq: 24 Apr 2019 04:15

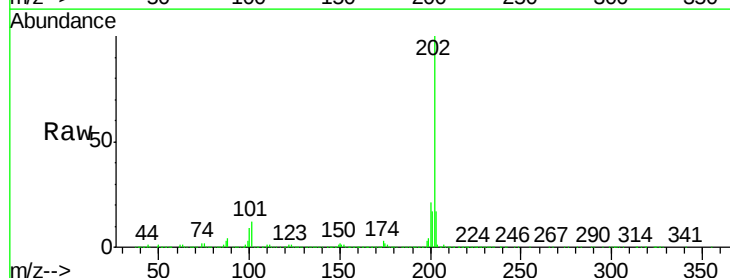
Tgt Ion:202 Resp: 2180688

Ion Ratio Lower Upper

202 100

101 11.8 10.3 15.5

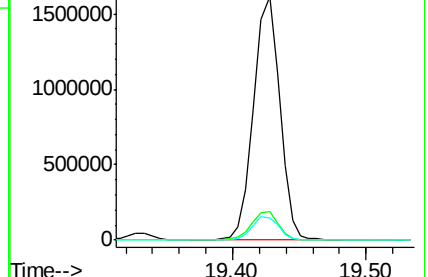
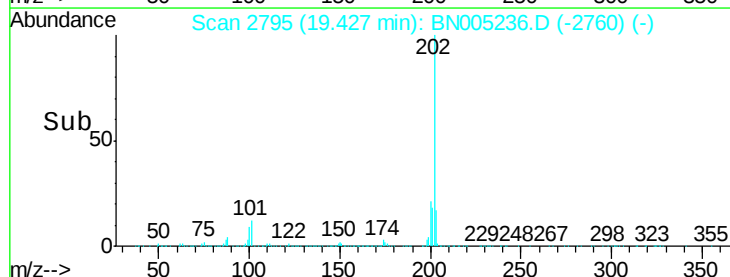
100 9.2 7.9 11.9

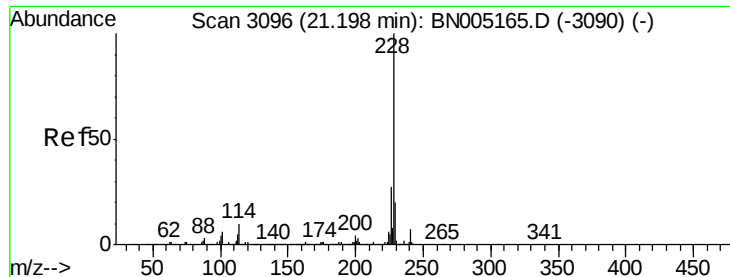


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 5.614 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. 0.05 min

Lab File: BN005236.D

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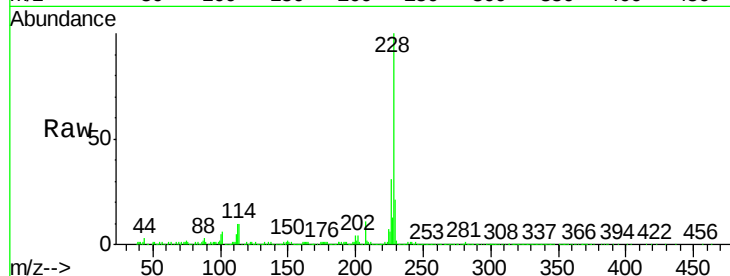
Tgt Ion:228 Resp: 625158

Ion Ratio Lower Upper

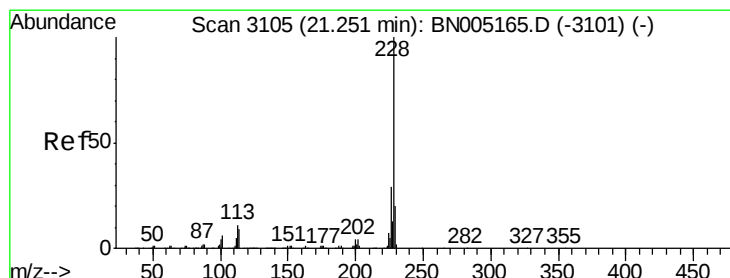
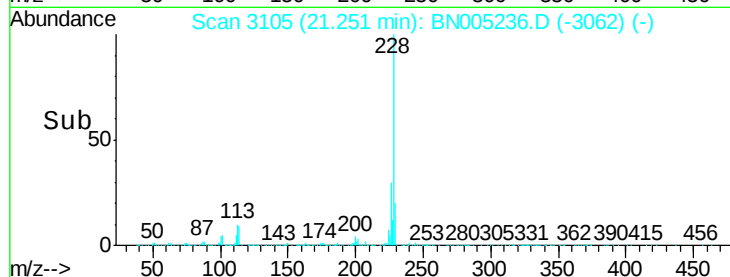
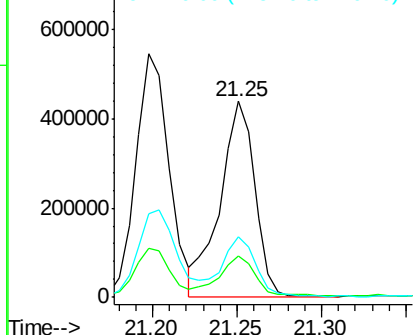
228 100

229 21.1 15.8 23.6

226 30.6 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



#84

Chrysene

Concen: 6.049 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BN005236.D

Acq: 24 Apr 2019 04:15

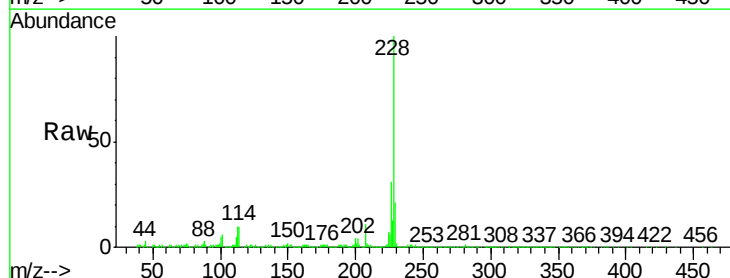
Tgt Ion:228 Resp: 625158

Ion Ratio Lower Upper

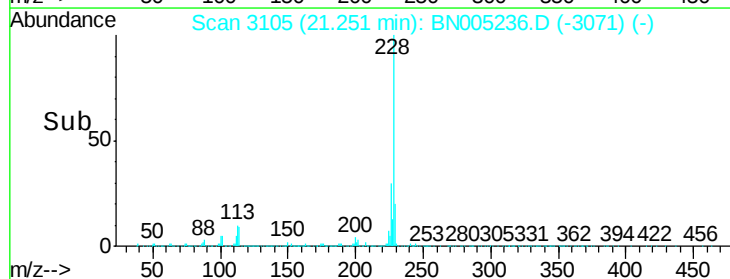
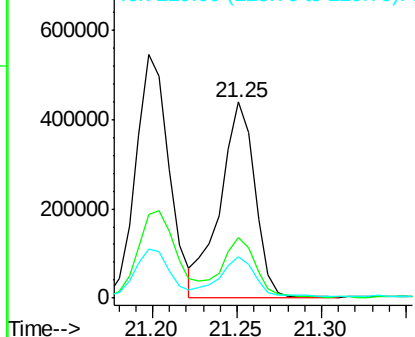
228 100

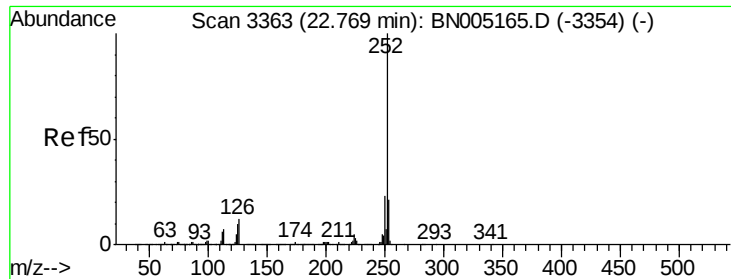
226 30.6 24.0 36.0

229 21.1 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: 4.246 ng/ul

RT: 22.77 min Scan# 3363

Delta R.T. -0.00 min

Lab File: BN005236.D

Acq: 24 Apr 2019 04:15

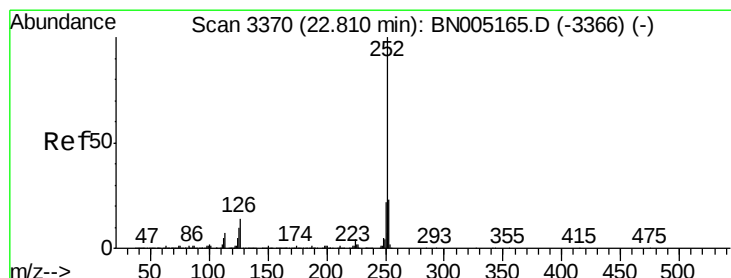
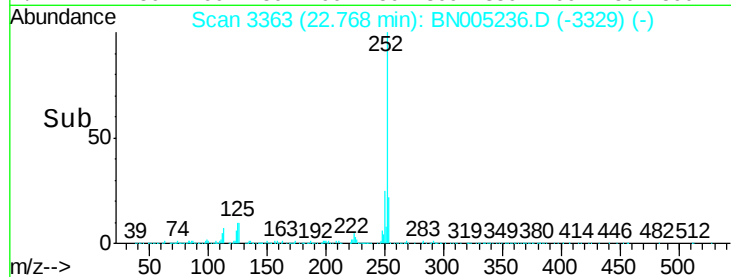
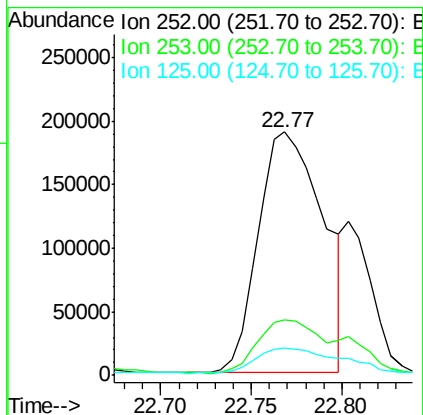
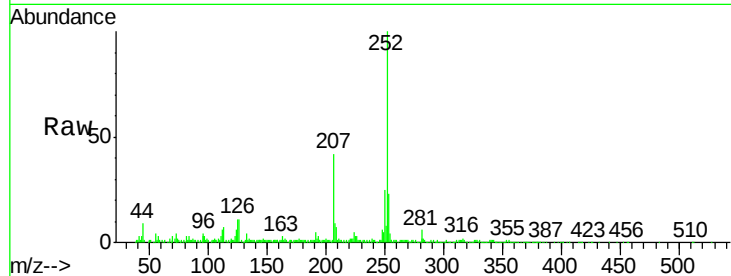
Instrument :

BNA_N

ClientSampleId :

GAHH7DL

Tgt Ion:	252	Resp:	471537
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.7	26.5
125	11.4	8.4	12.6



#88

Benzo(k)fluoranthene

Concen: 4.446 ng/ul

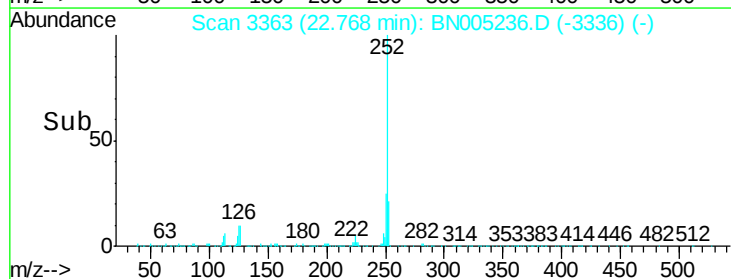
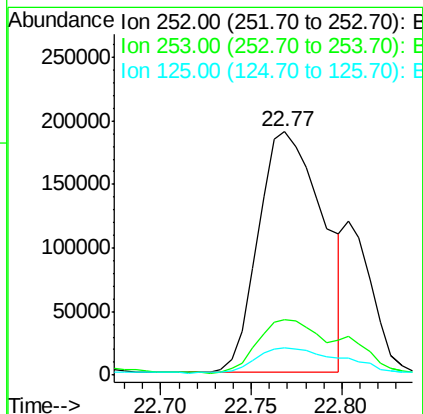
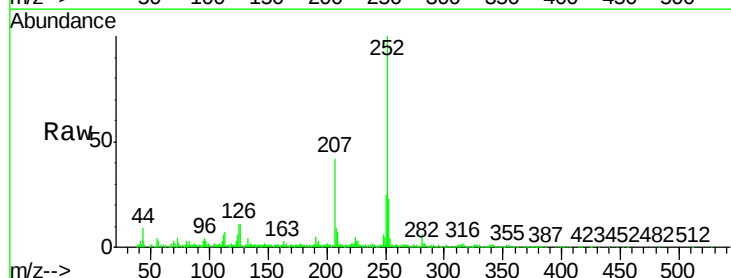
RT: 22.77 min Scan# 3363

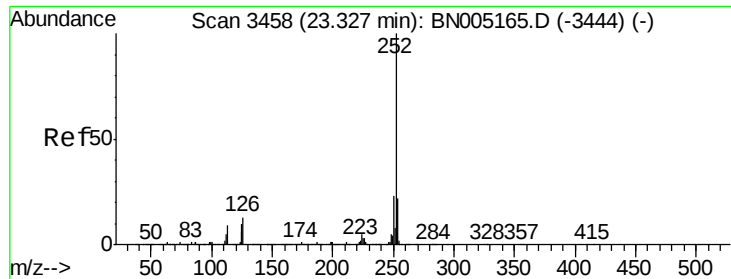
Delta R.T. -0.04 min

Lab File: BN005236.D

Acq: 24 Apr 2019 04:15

Tgt Ion:	252	Resp:	471537
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.4	26.0
125	11.4	7.5	11.3#





#90

Benzo(a)pyrene

Concen: 5.088 ng/ul

RT: 23.32 min Scan# 3457

Delta R.T. -0.01 min

Lab File: BN005236.D

Acq: 24 Apr 2019 04:15

Instrument :

BNA_N

ClientSampleId :

GAHH7DL

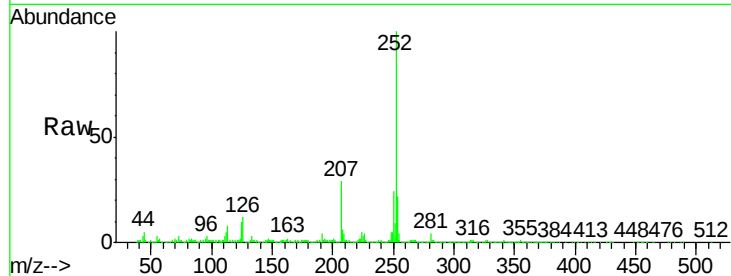
Tgt Ion:252 Resp: 531069

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

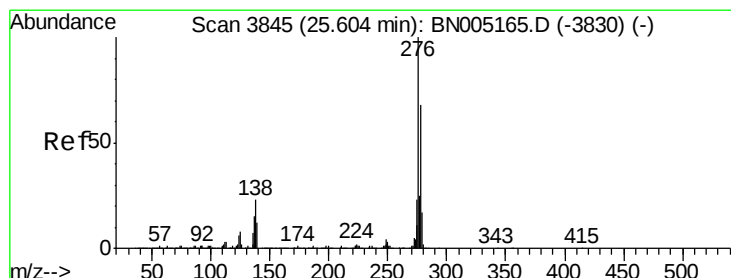
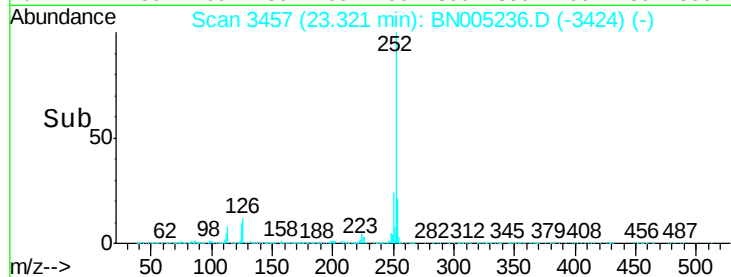
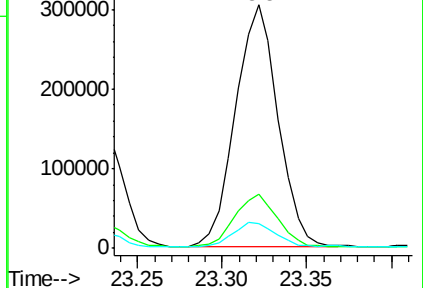
125 10.0 8.6 13.0



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: 1.809 ng/ul

RT: 25.59 min Scan# 3843

Delta R.T. -0.01 min

Lab File: BN005236.D

Acq: 24 Apr 2019 04:15

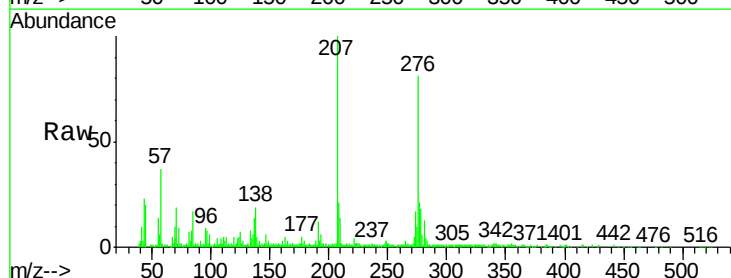
Tgt Ion:276 Resp: 208824

Ion Ratio Lower Upper

276 100

138 23.0 17.9 26.9

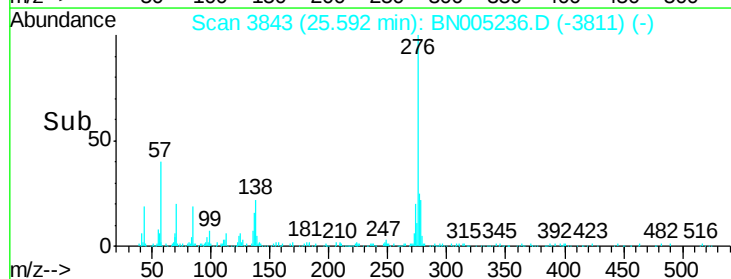
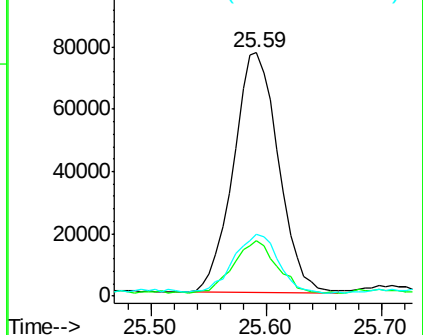
277 25.6 19.7 29.5

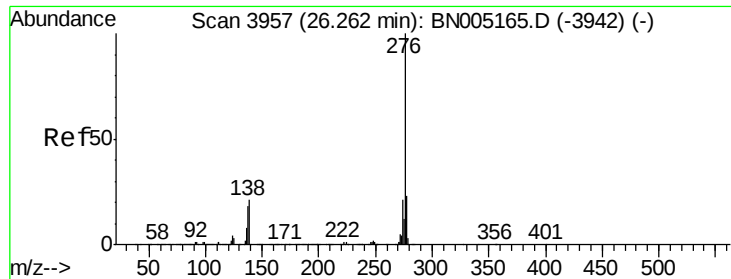


Abundance Ion 276.00 (275.70 to 276.70): E

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: 1.835 ng/ul

RT: 26.25 min Scan# 3955

Delta R.T. -0.01 min

Lab File: BN005236.D

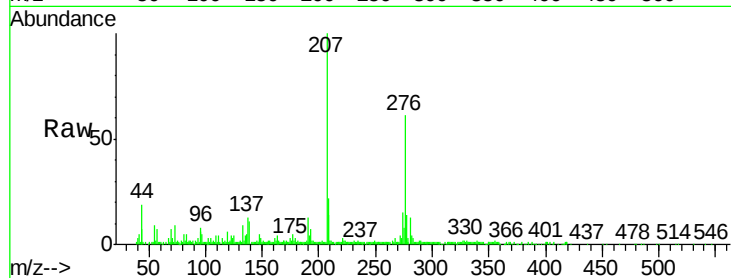
Acq: 24 Apr 2019 04:15

Instrument :

BNA_N

ClientSampleId :

GAHH7DL



Tgt Ion:	276	Resp:	175111
Ion	Ratio	Lower	Upper
276	100		
138	18.5	16.7	25.1
277	23.9	18.2	27.2

