

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN061919\
 Data File : BN006452.D
 Acq On : 21 Jun 2019 05:46
 Operator : JU/SJ
 Sample : K3360-14
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41T6

Quant Time: Jun 21 06:35:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 21 06:31:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	283339	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	1334147	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.28	164	812303	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.04	188	1821668	20.00	ng/ul	0.00
77) Chrysene-d12	21.26	240	1602757	20.00	ng/ul	0.00
85) Perylene-d12	23.49	264	1494171	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	22618	3.12	ng/uL	0.00
5) Phenol-d5	6.80	99	478796	15.87	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.96	67	318361	17.05	ng/ul	0.00
9) 2-Chlorophenol-d4	7.16	132	362521	16.30	ng/ul	0.00
13) 4-Methylphenol-d8	8.33	113	339713	14.19	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	179359	16.79	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	200107	17.19	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	363671	16.26	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	385354	14.99	ng/ul	0.00
43) Dimethylphthalate-d6	13.69	166	1316240	18.49	ng/ul	0.00
46) Acenaphthylene-d8	13.97	160	1509653	17.30	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	136596	11.23	ng/ul	0.00
57) Fluorene-d10	15.28	176	1138588	18.80	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.42	200	114581	9.94	ng/ul	0.00
70) Anthracene-d10	17.13	188	1711869	18.67	ng/ul	0.00
78) Pyrene-d10	19.44	212	1843057	19.69	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.34	264	1547739	18.34	ng/ul	0.00

Target Compounds

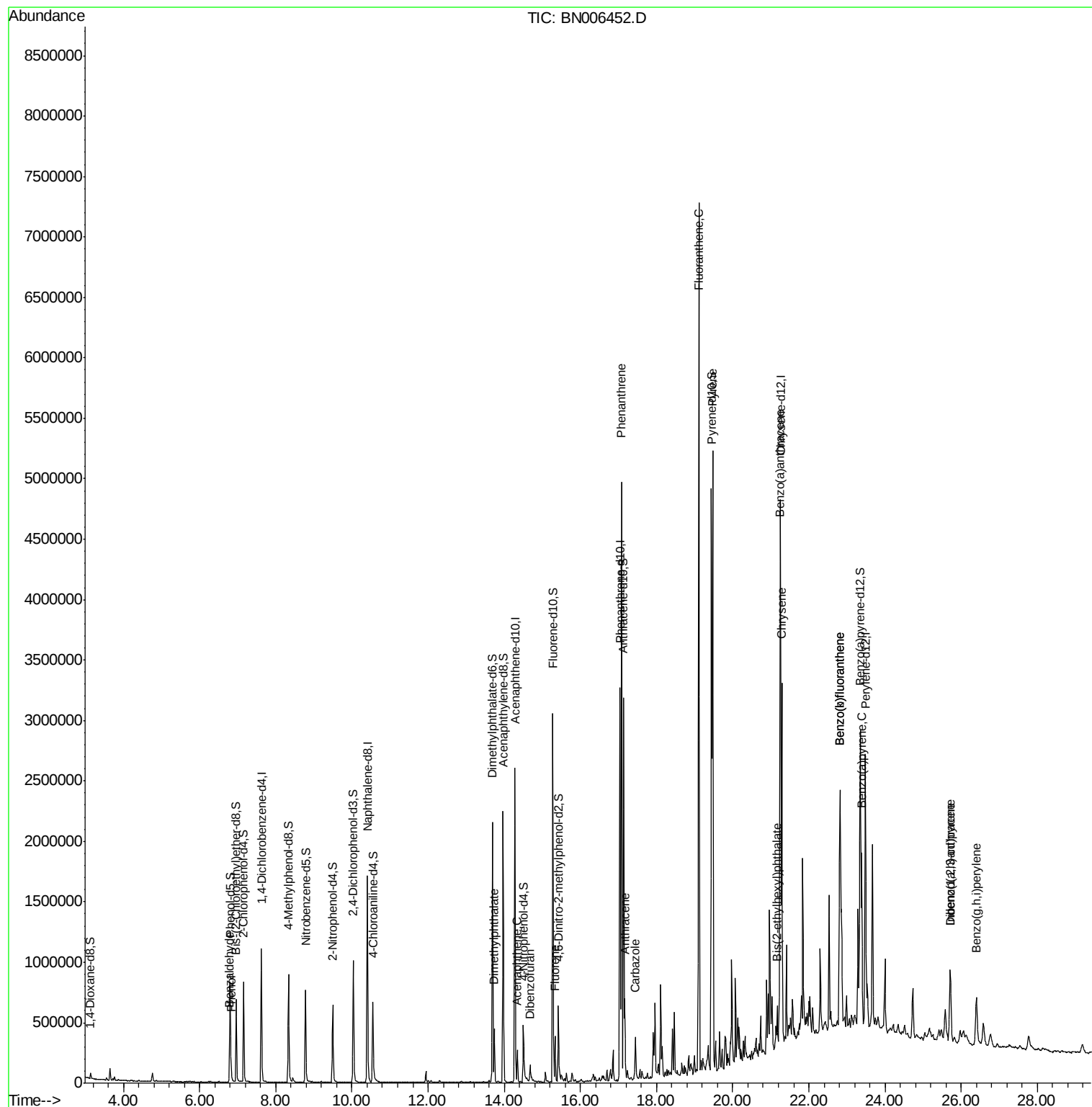
					Qvalue	
4) Benzaldehyde	6.78	77	13298	1.091	ng/ul	91
6) Phenol	6.83	94	32961	1.133	ng/ul#	84
44) Dimethylphthalate	13.74	163	261605	3.986	ng/ul	99
49) Acenaphthene	14.35	153	101228	1.837	ng/ul	99
53) Dibenzofuran	14.68	168	82408	1.079	ng/ul	98
58) Fluorene	15.33	166	153632	2.489	ng/ul	99
69) Phenanthrene	17.08	178	2753711	27.407	ng/ul	100
71) Anthracene	17.17	178	387126	3.796	ng/ul	99
74) Carbazole	17.44	167	209768	2.383	ng/ul	100
76) Fluoranthene	19.11	202	4044641	37.352	ng/ul	98
79) Pyrene	19.47	202	3121878	28.609	ng/ul	99
82) Benzo(a)anthracene	21.24	228	1452961	13.263	ng/ul	98
83) Bis(2-ethylhexyl)phthalate	21.17	149	92342	1.316	ng/ul	99
84) Chrysene	21.29	228	1542584	14.795	ng/ul	98
87) Benzo(b)fluoranthene	22.82	252	1580221	17.622	ng/ul	97
88) Benzo(k)fluoranthene	22.82	252	1580221	18.438	ng/ul	97
90) Benzo(a)pyrene	23.39	252	940837	10.942	ng/ul	100
91) Indeno(1,2,3-cd)pyrene	25.72	276	543924	5.345	ng/ul	95
92) Dibenzo(a,h)anthracene	25.72	278	145993	1.732	ng/ul#	80
93) Benzo(g,h,i)perylene	26.40	276	463842	5.412	ng/ul	98

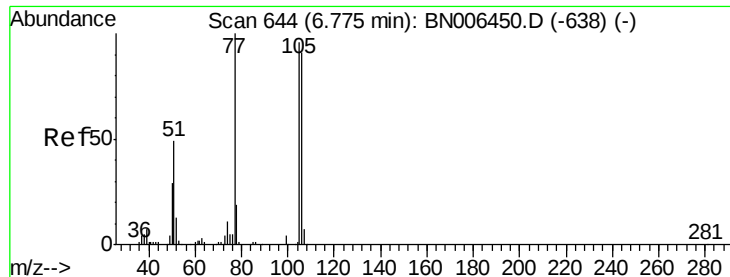
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 21 06:31:50 2019
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#4

Benzaldehyde

Concen: 1.091 ng/ul

RT: 6.78 min Scan# 645

Delta R.T. 0.01 min

Lab File: BN006452.D

Acq: 21 Jun 2019 05:46

Instrument :

BNA_N

ClientSampleId :

A41T6

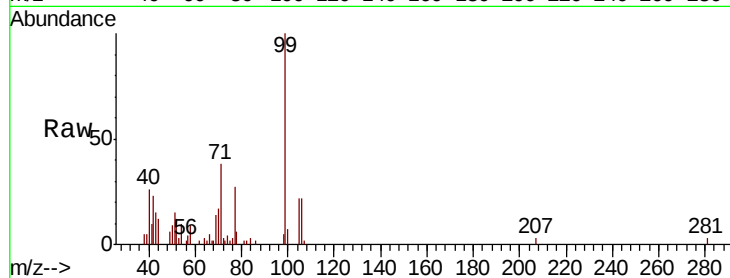
Tgt Ion: 77 Resp: 13298

Ion Ratio Lower Upper

77 100

105 83.3 74.1 111.1

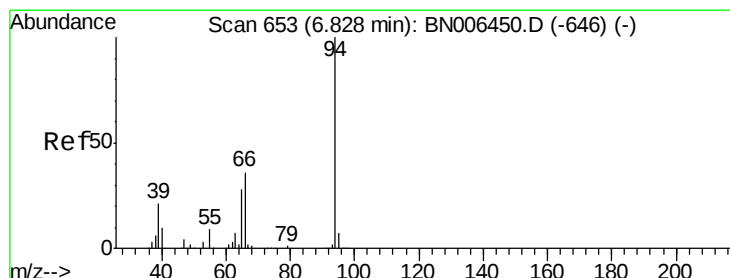
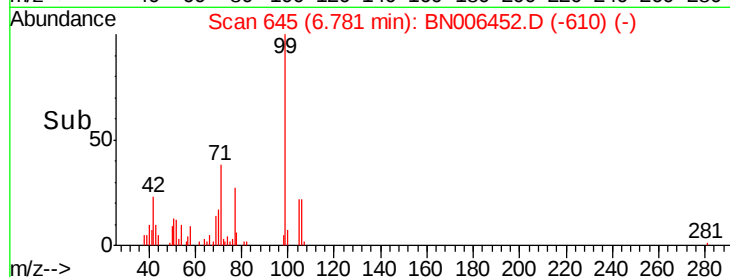
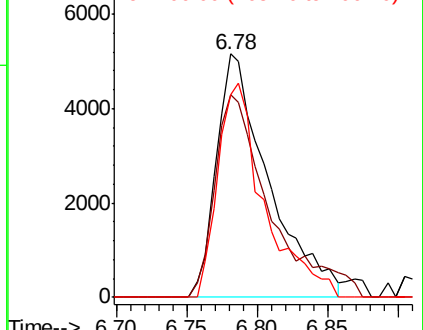
106 83.2 72.7 109.1



Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 105.00 (104.70 to 105.70): BNC

Ion 106.00 (105.70 to 106.70): BNC



#6

Phenol

Concen: 1.133 ng/ul

RT: 6.83 min Scan# 653

Delta R.T. -0.00 min

Lab File: BN006452.D

Acq: 21 Jun 2019 05:46

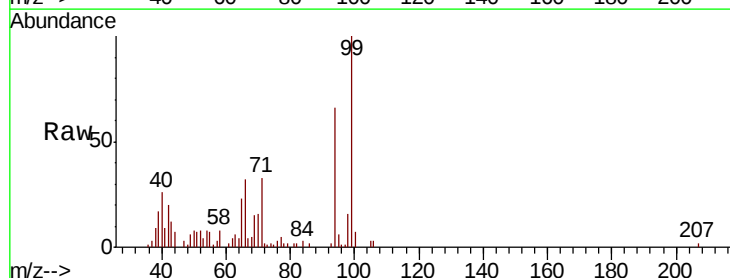
Tgt Ion: 94 Resp: 32961

Ion Ratio Lower Upper

94 100

65 33.9 22.5 33.7#

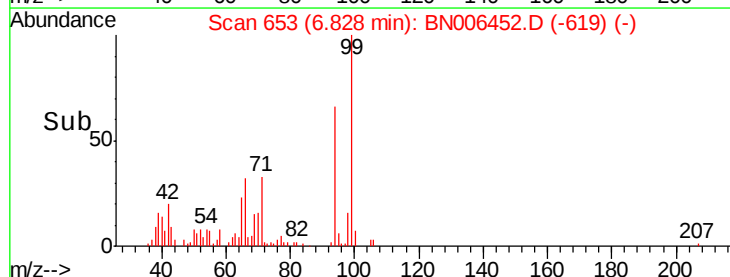
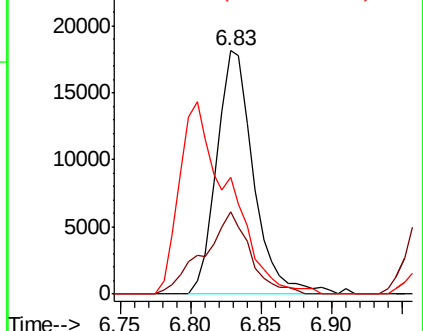
66 48.1 29.5 44.3#

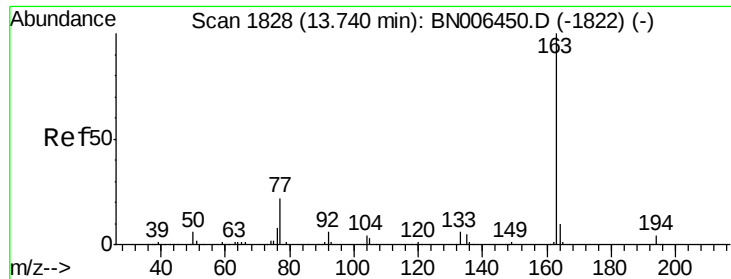


Abundance Ion 94.00 (93.70 to 94.70): BNC

Ion 65.00 (64.70 to 65.70): BNC

Ion 66.00 (65.70 to 66.70): BNC

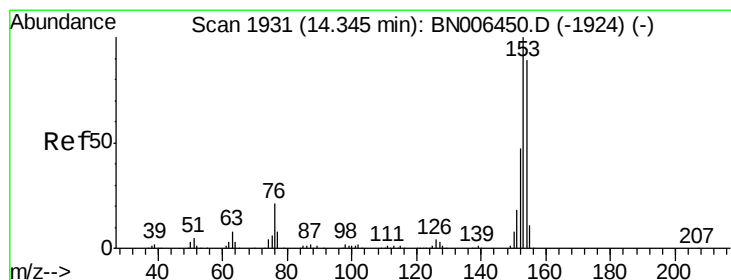
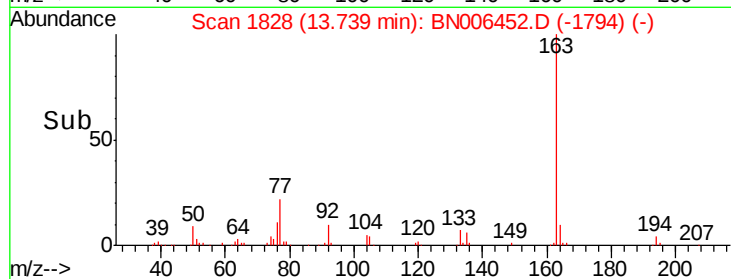
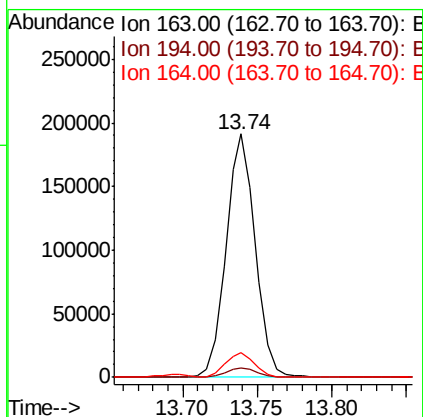
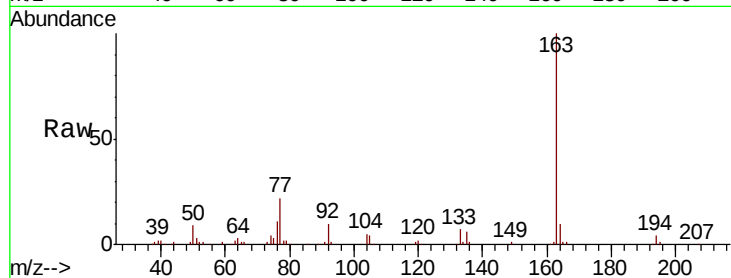




#44
Dimethylphthalate
Concen: 3.986 ng/ul
RT: 13.74 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BN006452.D
Acq: 21 Jun 2019 05:46

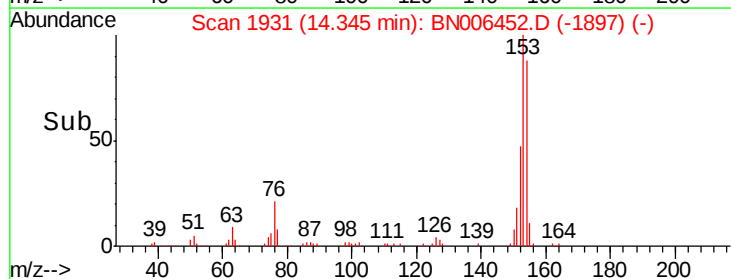
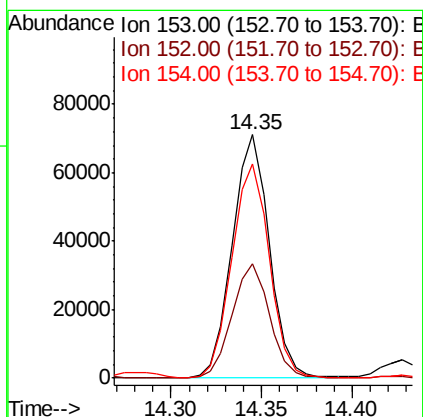
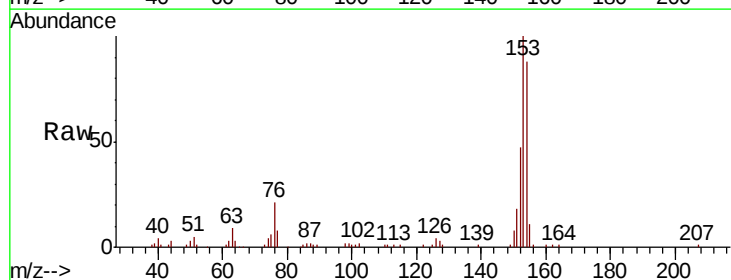
Instrument :
BNA_N
ClientSampled :
A41T6

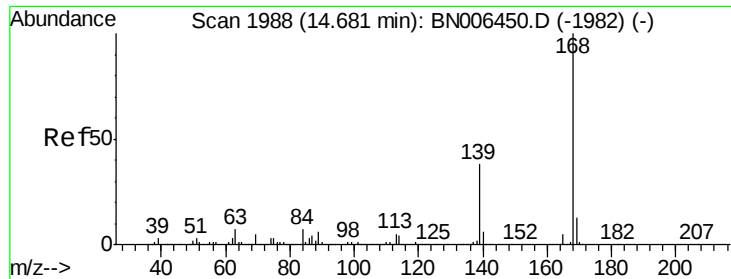
Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	10.3	8.0	12.0



#49
Acenaphthene
Concen: 1.837 ng/ul
RT: 14.35 min Scan# 1931
Delta R.T. -0.00 min
Lab File: BN006452.D
Acq: 21 Jun 2019 05:46

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.0	37.8	56.6
154	88.2	71.2	106.8





#53

Dibenzenofuran

Concen: 1.079 ng/ul

RT: 14.68 min Scan# 1988

Delta R.T. -0.00 min

Lab File: BN006452.D

Acq: 21 Jun 2019 05:46

Instrument :

BNA_N

ClientSampleId :

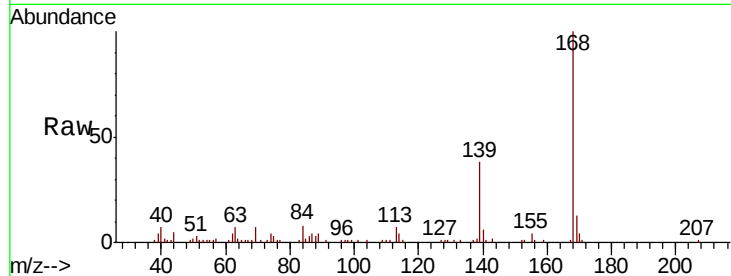
A41T6

Tgt Ion:168 Resp: 82408

Ion Ratio Lower Upper

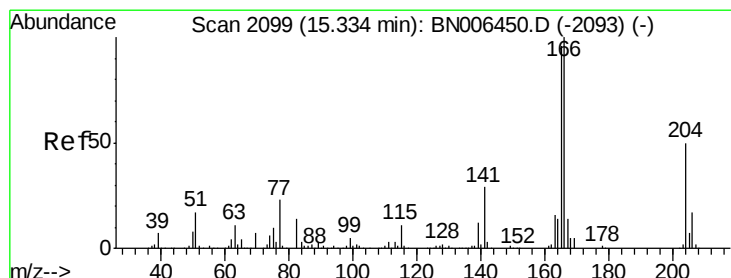
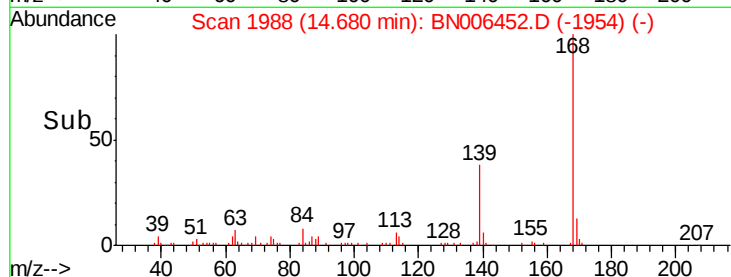
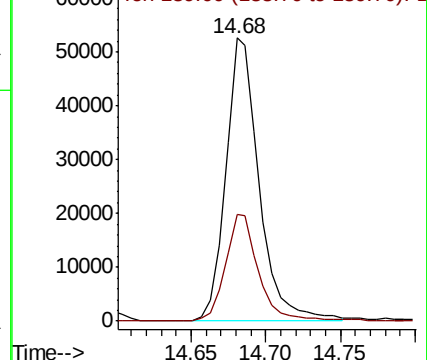
168 100

139 37.9 29.4 44.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 2.489 ng/ul

RT: 15.33 min Scan# 2099

Delta R.T. -0.00 min

Lab File: BN006452.D

Acq: 21 Jun 2019 05:46

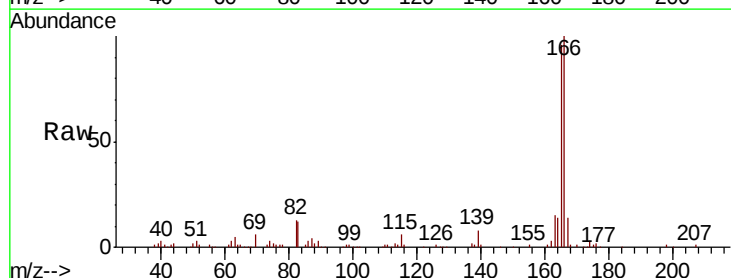
Tgt Ion:166 Resp: 153632

Ion Ratio Lower Upper

166 100

165 95.6 77.5 116.3

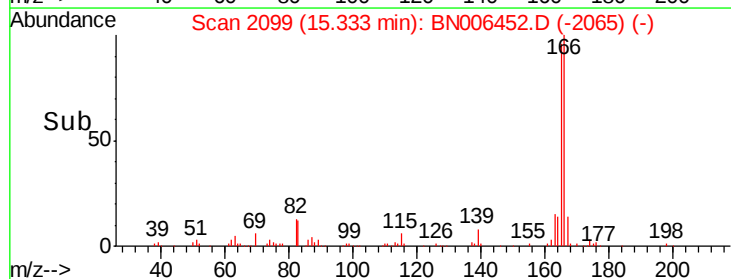
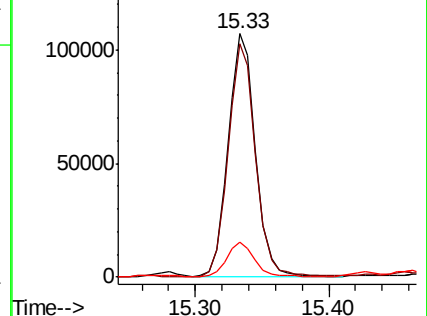
167 14.2 10.7 16.1

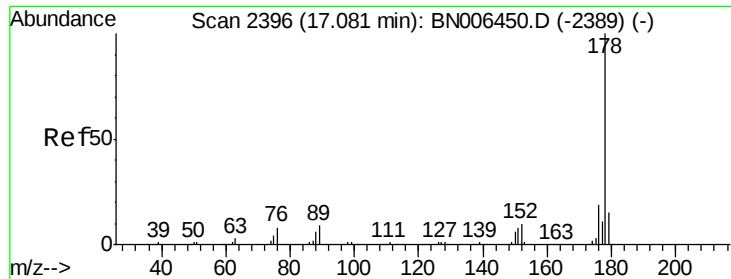


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 27.407 ng/ul

RT: 17.08 min Scan# 2396

Delta R.T. -0.00 min

Lab File: BN006452.D

Acq: 21 Jun 2019 05:46

Instrument :

BNA_N

ClientSampled :

A41T6

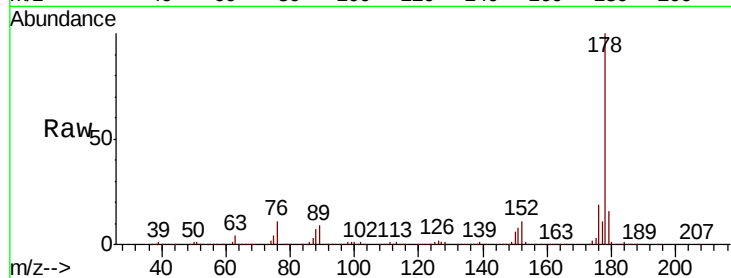
Tgt Ion:178 Resp: 2753711

Ion Ratio Lower Upper

178 100

179 15.5 12.5 18.7

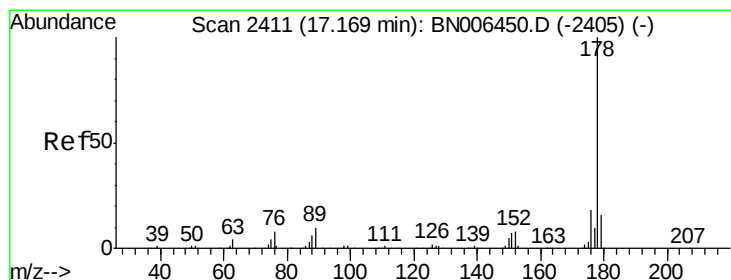
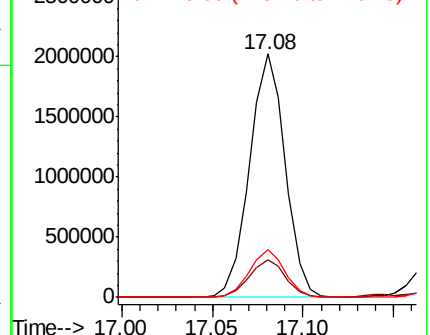
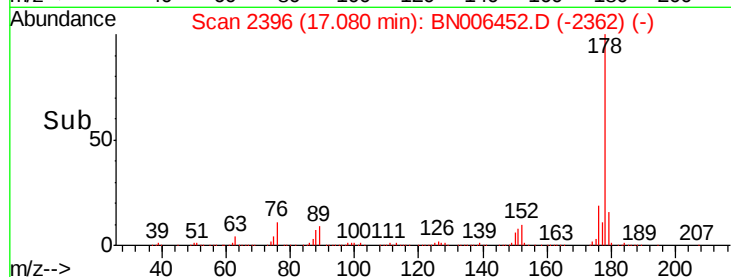
176 19.4 15.3 22.9



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: 3.796 ng/ul

RT: 17.17 min Scan# 2411

Delta R.T. -0.00 min

Lab File: BN006452.D

Acq: 21 Jun 2019 05:46

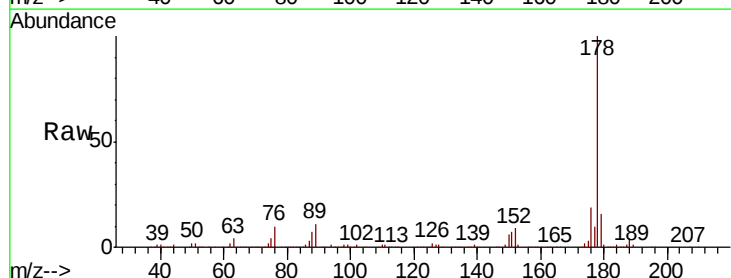
Tgt Ion:178 Resp: 387126

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

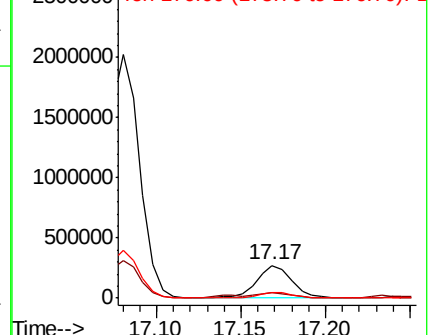
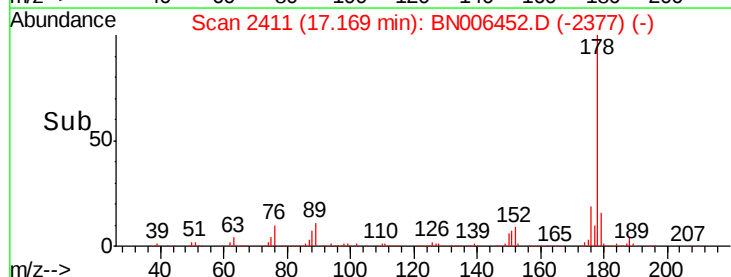
176 18.7 14.7 22.1

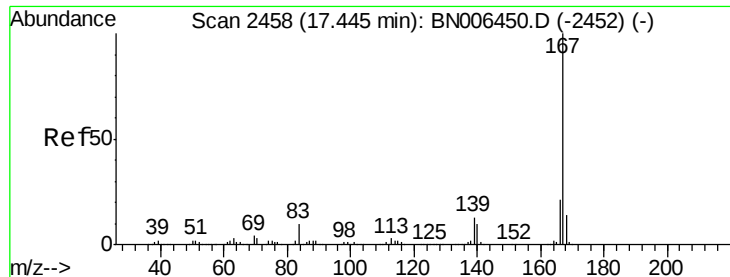


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 2.383 ng/ul

RT: 17.44 min Scan# 2458

Delta R.T. -0.00 min

Lab File: BN006452.D

Acq: 21 Jun 2019 05:46

Instrument :

BNA_N

ClientSampleId :

A41T6

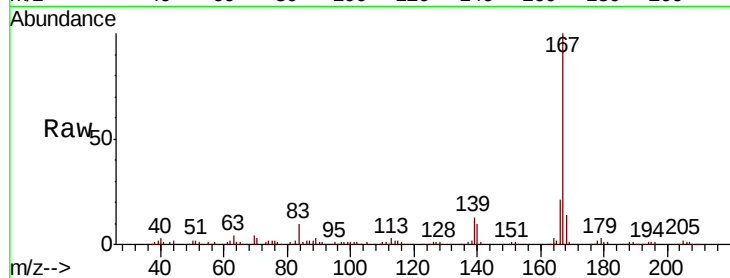
Tgt Ion:167 Resp: 209768

Ion Ratio Lower Upper

167 100

166 21.4 17.1 25.7

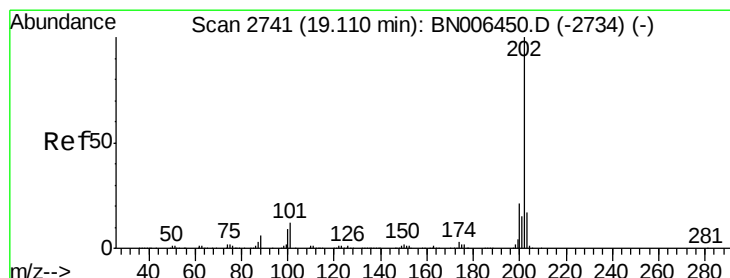
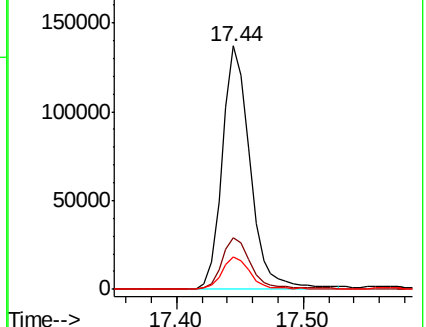
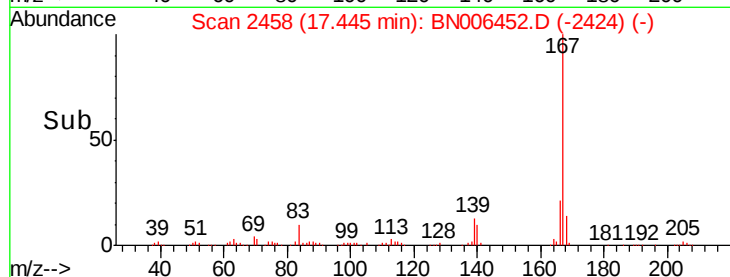
139 13.3 10.5 15.7



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: 37.352 ng/ul

RT: 19.11 min Scan# 2741

Delta R.T. -0.00 min

Lab File: BN006452.D

Acq: 21 Jun 2019 05:46

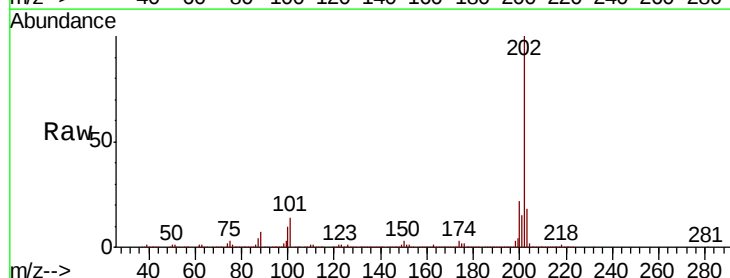
Tgt Ion:202 Resp: 4044641

Ion Ratio Lower Upper

202 100

101 14.0 10.5 15.7

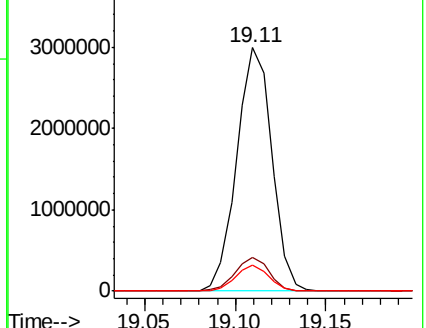
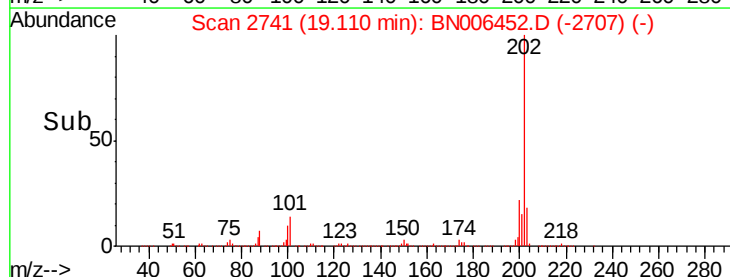
100 10.4 7.6 11.4

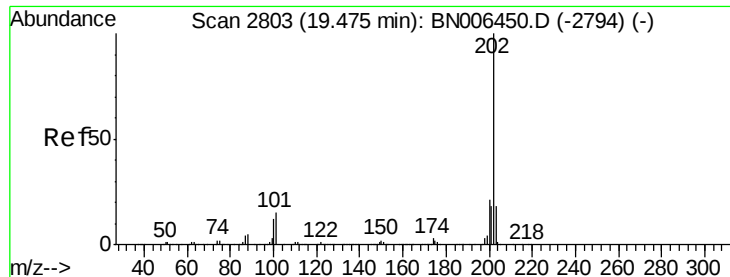


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#79

Pyrene

Concen: 28.609 ng/ul

RT: 19.47 min Scan# 2803

Delta R.T. -0.00 min

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Acq: 21 Jun 2019 05:46

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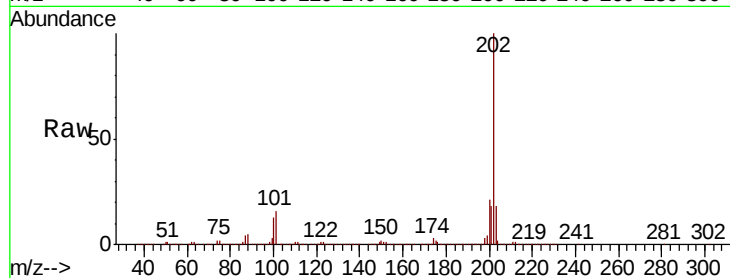
Tgt Ion:202 Resp: 3121878

Ion Ratio Lower Upper

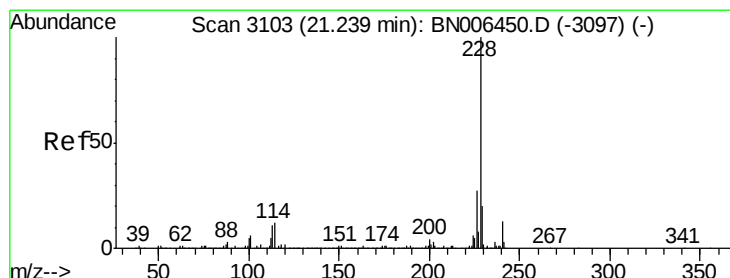
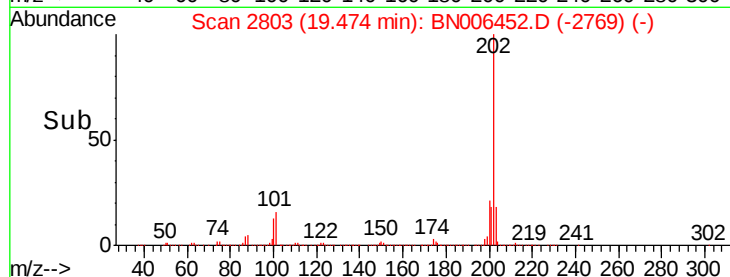
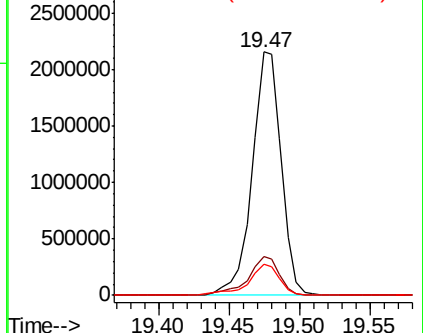
202 100

101 15.9 12.2 18.4

100 12.6 9.8 14.6



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: 13.263 ng/ul

RT: 21.24 min Scan# 3103

Delta R.T. -0.00 min

Lab File: BN006452.D

Acq: 21 Jun 2019 05:46

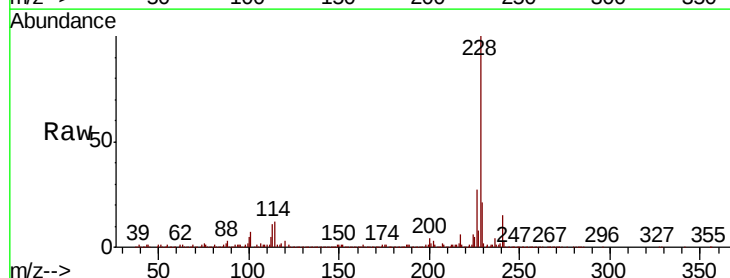
Tgt Ion:228 Resp: 1452961

Ion Ratio Lower Upper

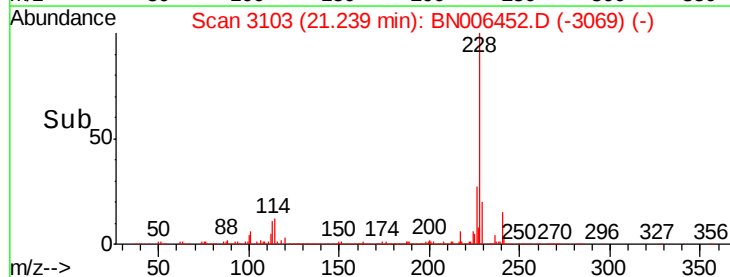
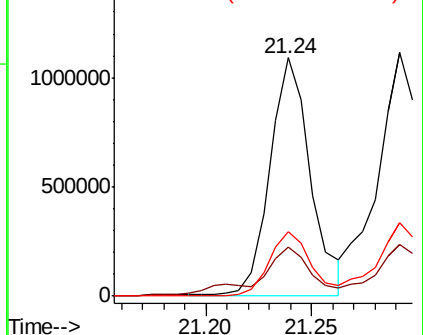
228 100

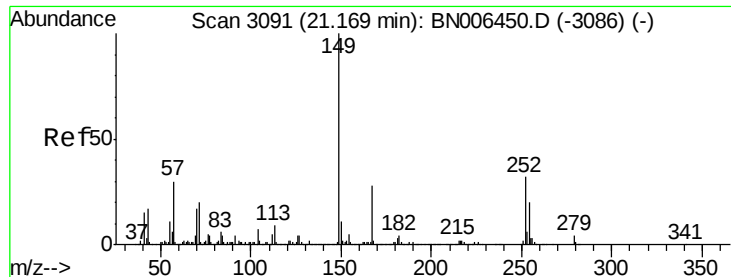
229 20.8 15.6 23.4

226 27.3 21.5 32.3



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

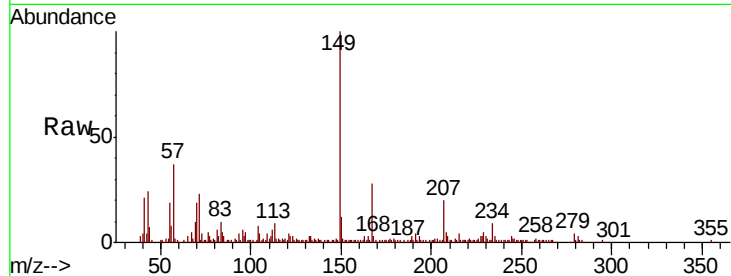




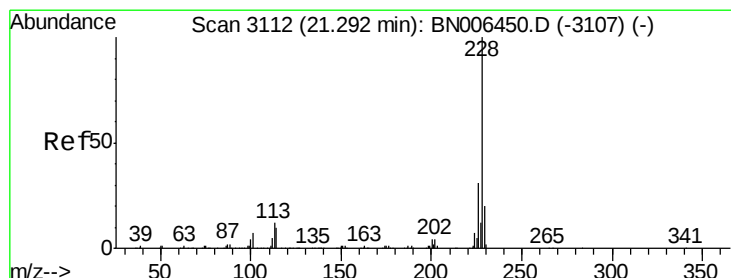
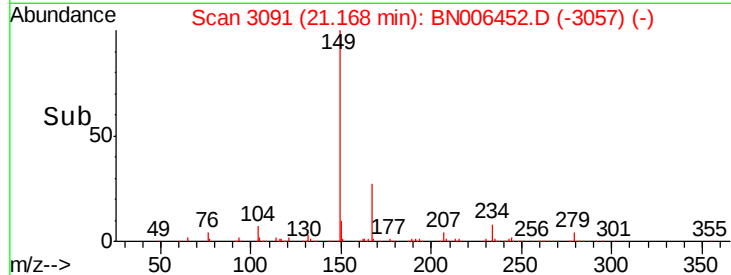
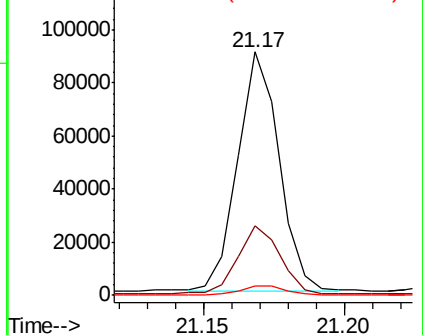
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.316 ng/ul
 RT: 21.17 min Scan# 3091
 Delta R.T. -0.00 min
 Lab File: BN006452.D
 Acq: 21 Jun 2019 05:46

Instrument :
 BNA_N
 ClientSampleId :
 A41T6

Tgt Ion:149 Resp: 92342
 Ion Ratio Lower Upper
 149 100
 167 28.5 22.2 33.4
 279 3.9 3.3 4.9

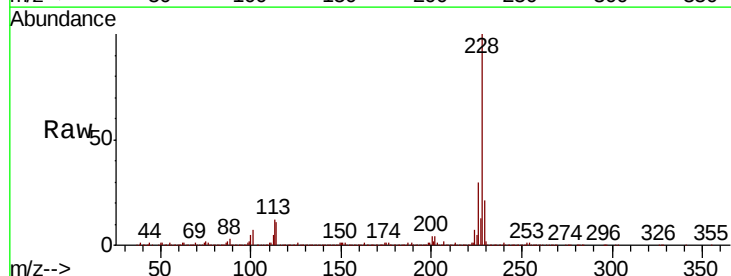


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

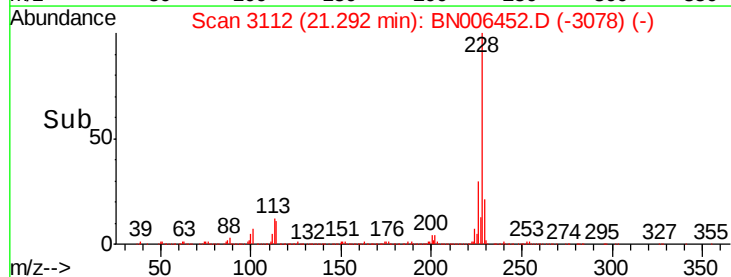
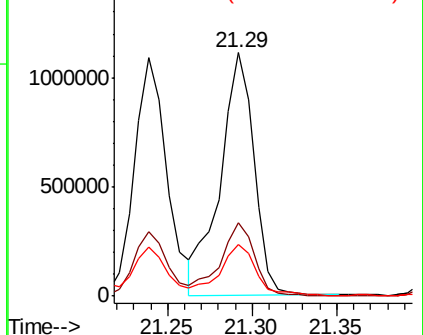


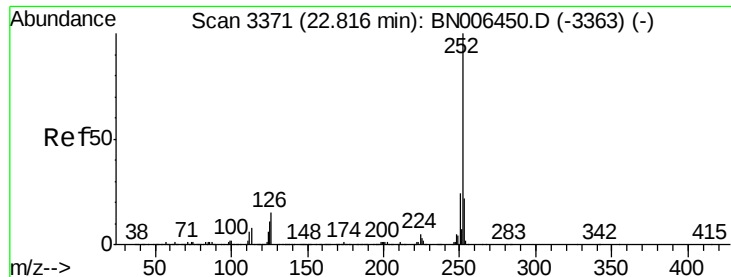
#84
 Chrysene
 Concen: 14.795 ng/ul
 RT: 21.29 min Scan# 3112
 Delta R.T. -0.00 min
 Lab File: BN006452.D
 Acq: 21 Jun 2019 05:46

Tgt Ion:228 Resp: 1542584
 Ion Ratio Lower Upper
 228 100
 226 29.9 24.2 36.2
 229 21.3 15.9 23.9



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

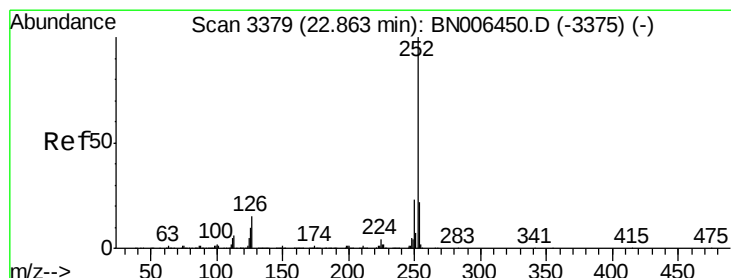
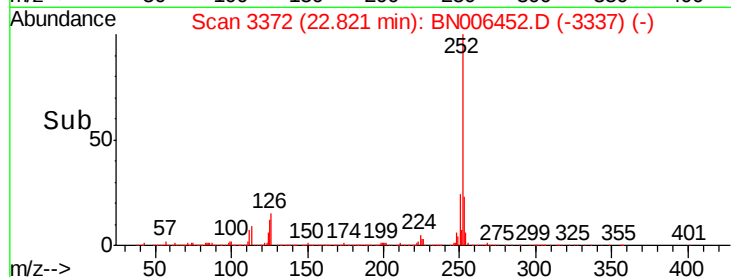
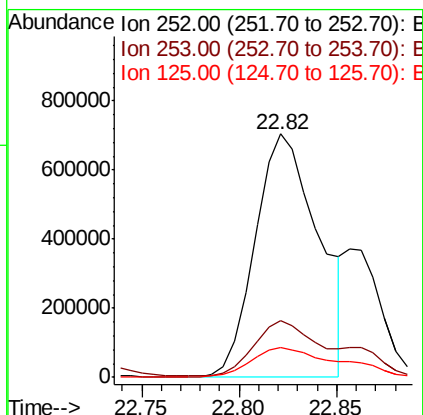
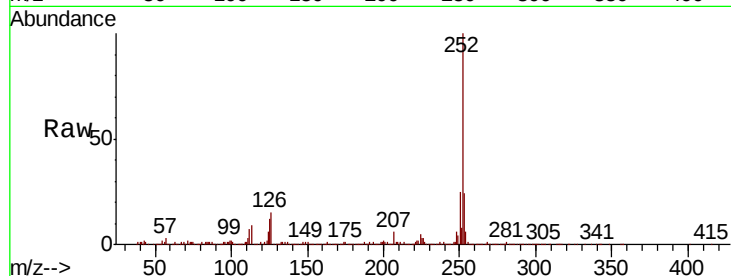




#87
Benzo(b)fluoranthene
Concen: 17.622 ng/ul
RT: 22.82 min Scan# 3372
Delta R.T. 0.01 min
Lab File: BN006452.D
Acq: 21 Jun 2019 05:46

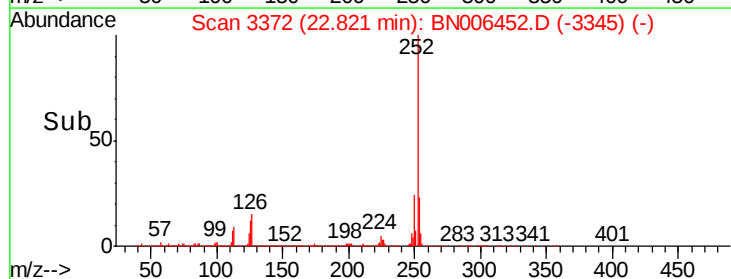
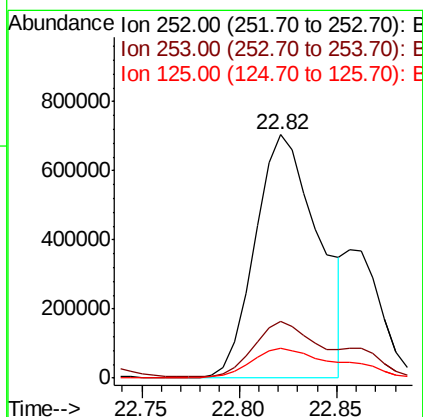
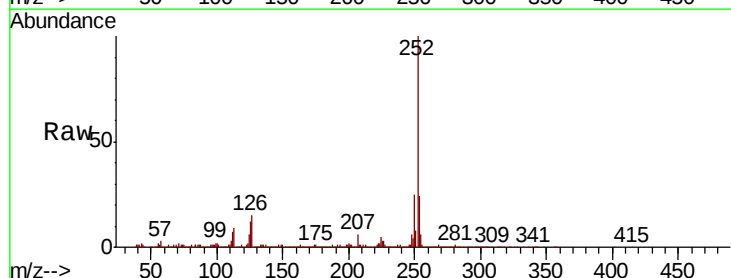
Instrument :
BNA_N
ClientSampleId :
A41T6

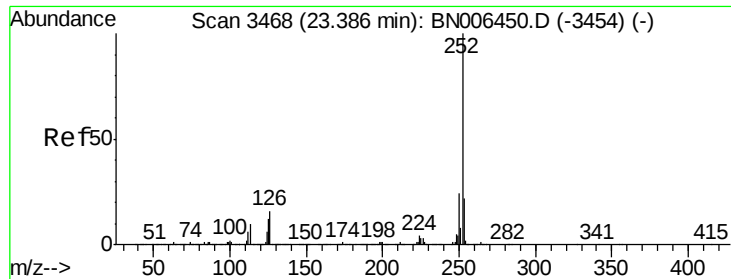
Tgt Ion:252 Resp: 1580221
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 12.4 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 18.438 ng/ul
RT: 22.82 min Scan# 3372
Delta R.T. -0.04 min
Lab File: BN006452.D
Acq: 21 Jun 2019 05:46

Tgt Ion:252 Resp: 1580221
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 12.4 9.1 13.7





#90

Benzo(a)pyrene

Concen: 10.942 ng/ul

RT: 23.39 min Scan# 3468

Delta R.T. -0.00 min

Lab File: BN006452.D

Acq: 21 Jun 2019 05:46

Instrument :

BNA_N

ClientSampleId :

A41T6

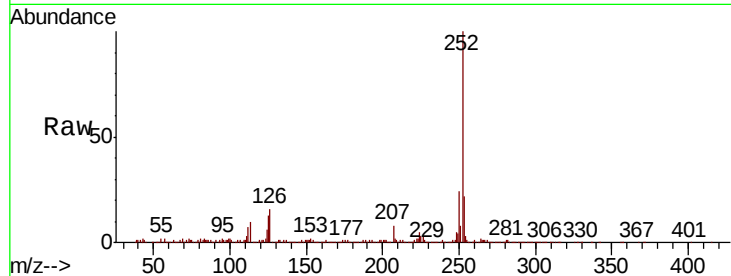
Tgt Ion:252 Resp: 940837

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

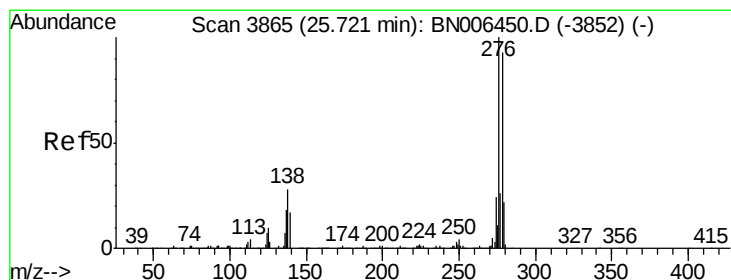
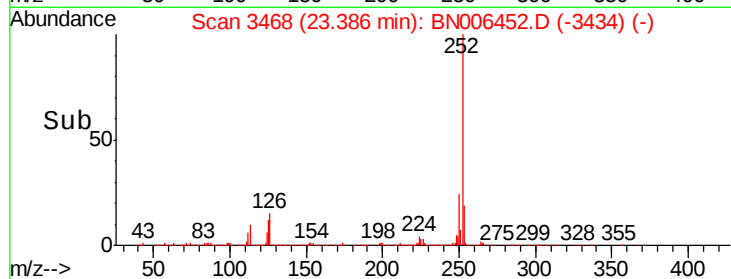
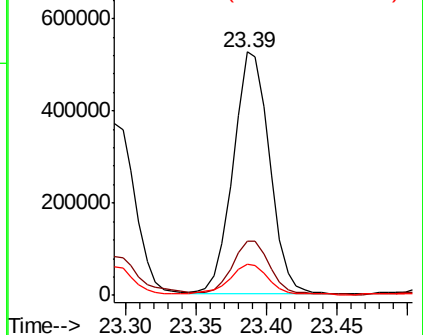
125 12.6 10.0 15.0



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: 5.345 ng/ul

RT: 25.72 min Scan# 3864

Delta R.T. -0.01 min

Lab File: BN006452.D

Acq: 21 Jun 2019 05:46

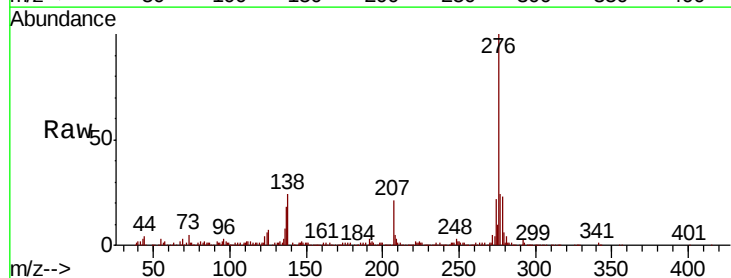
Tgt Ion:276 Resp: 543924

Ion Ratio Lower Upper

276 100

138 23.9 22.2 33.4

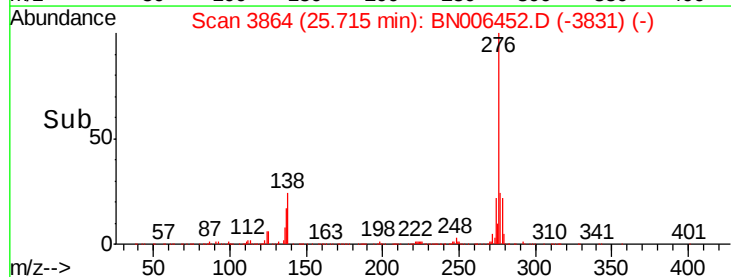
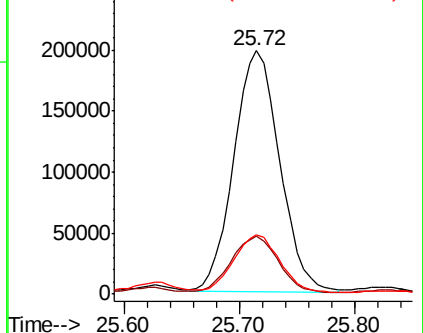
277 24.3 20.2 30.4

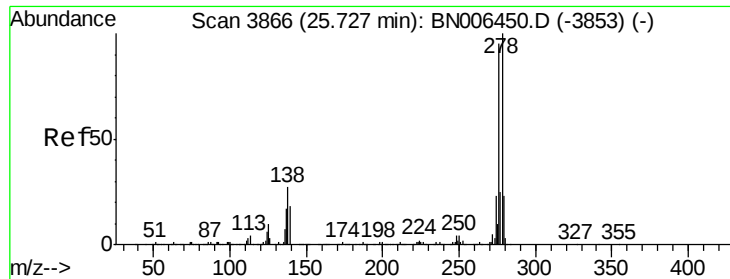


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 1.732 ng/ul

RT: 25.72 min Scan# 3864

Delta R.T. -0.01 min

Lab File: BN006452.D

Acq: 21 Jun 2019 05:46

Instrument :

BNA_N

ClientSampleId :

A41T6

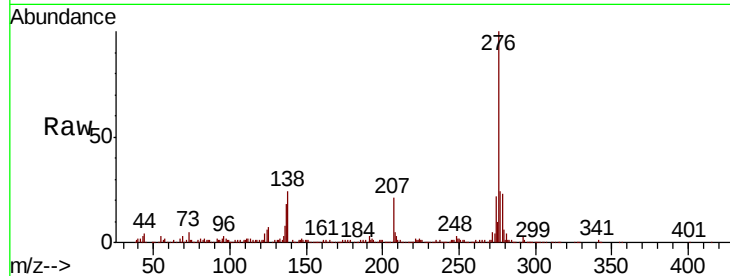
Tgt Ion:278 Resp: 145993

Ion Ratio Lower Upper

278 100

139 0.0 14.2 21.4#

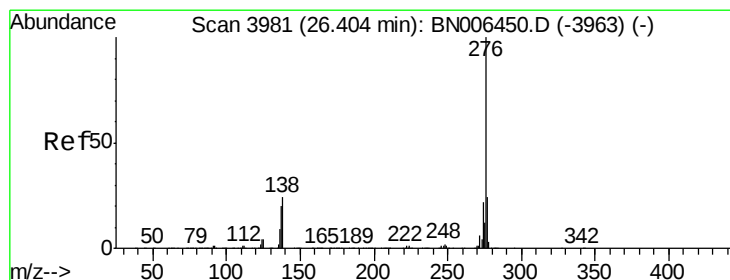
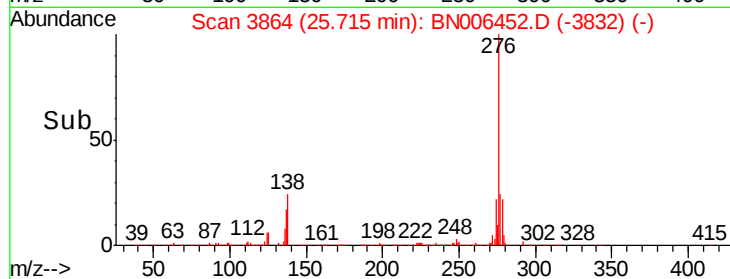
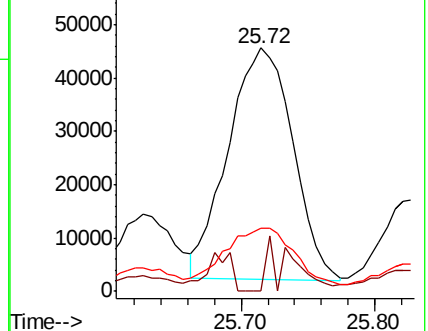
279 25.7 18.8 28.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 5.412 ng/ul

RT: 26.40 min Scan# 3981

Delta R.T. -0.00 min

Lab File: BN006452.D

Acq: 21 Jun 2019 05:46

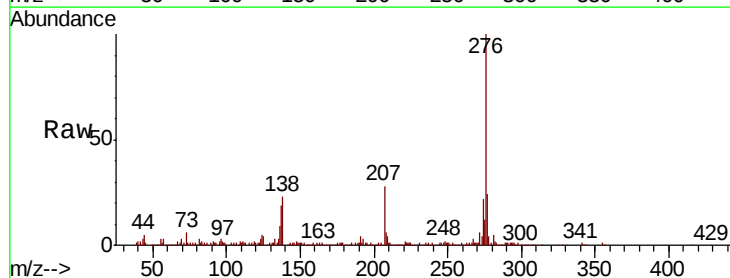
Tgt Ion:276 Resp: 463842

Ion Ratio Lower Upper

276 100

138 22.9 19.1 28.7

277 23.6 19.4 29.0



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

