

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042319\
 Data File : BN005238.D
 Acq On : 24 Apr 2019 05:25
 Operator : JU/SJ
 Sample : K2455-06 10X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHQ8

Quant Time: Apr 24 08:56:03 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	555380	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	2245228	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1214229	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2424381	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	2093598	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	2348954	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	9656	0.84	ng/uL	0.00
5) Phenol-d5	6.78	99	86408	1.98	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	56431	2.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	69574	2.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	68718	2.02	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	35706	2.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	29308	2.09	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	66593	2.07	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	88093	2.66	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	210575	2.39	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	249366	2.30	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	18961	1.36	ng/ul	0.00
57) Fluorene-d10	15.23	176	175500	2.37	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	4163	0.38	ng/ul	0.00
70) Anthracene-d10	17.09	188	249347	2.45	ng/ul	0.00
78) Pyrene-d10	19.40	212	253729	2.37	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	227929	2.22	ng/ul	0.00

Target Compounds

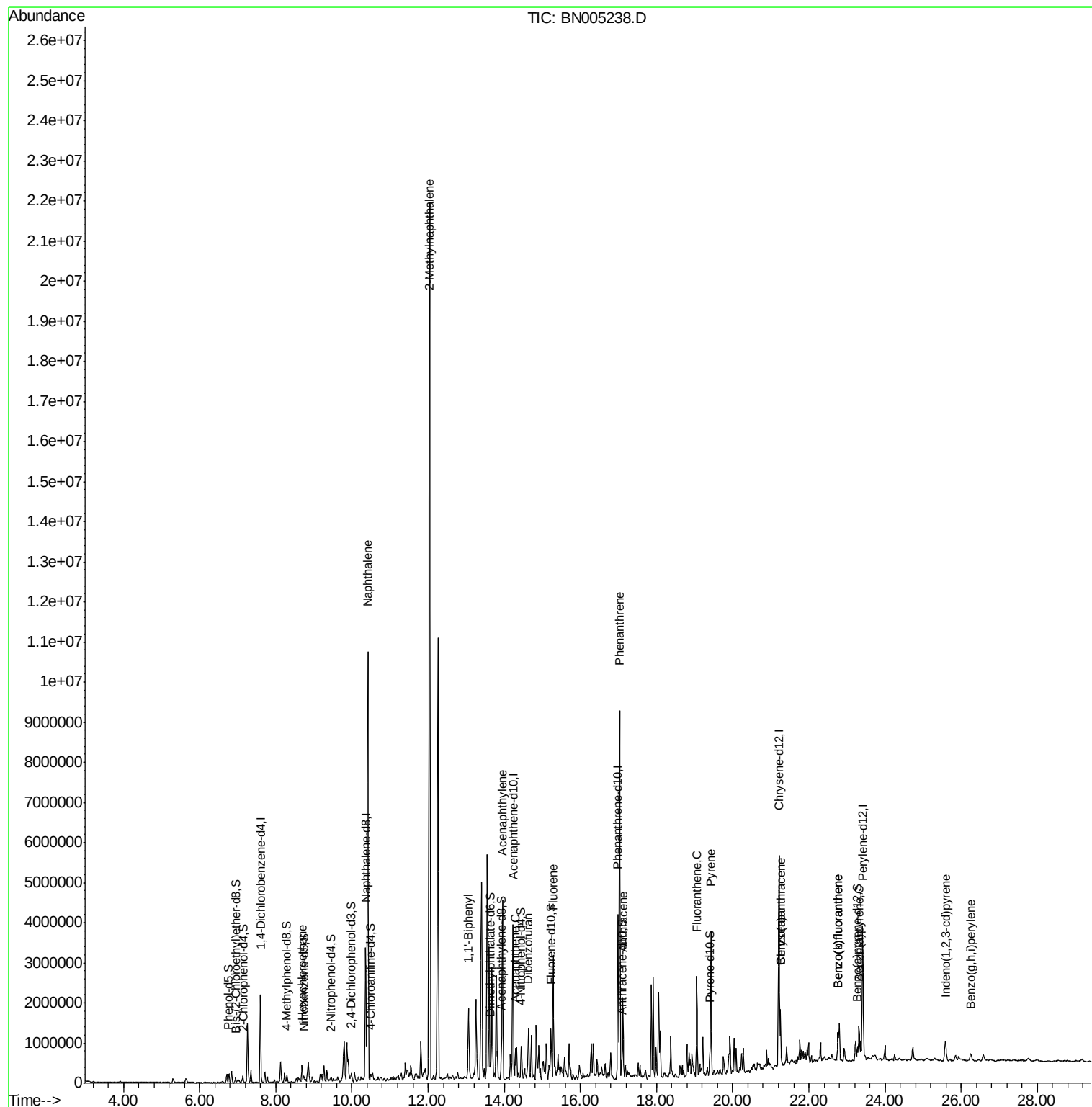
					Qvalue	
17) Hexachloroethane	8.69	117	96577	6.444	ng/ul#	6
28) Naphthalene	10.42	128	8283071	79.357	ng/ul	100
34) 2-Methylnaphthalene	12.04	142	11039283	144.444	ng/ul	100
40) 1,1'-Biphenyl	13.06	154	827019	9.141	ng/ul	99
47) Acenaphthylene	13.95	152	2398126	22.541	ng/ul	97
49) Acenaphthene	14.29	153	245633	3.382	ng/ul	97
53) Dibenzofuran	14.63	168	351338	3.360	ng/ul	94
58) Fluorene	15.29	166	1392828	17.069	ng/ul	99
69) Phenanthrene	17.03	178	5656827	47.910	ng/ul	99
71) Anthracene	17.12	178	1187140	9.870	ng/ul	98
76) Fluoranthene	19.06	202	1435892	10.964	ng/ul	100
79) Pyrene	19.43	202	2244383	16.650	ng/ul	97
82) Benzo(a)anthracene	21.25	228	766957	5.889	ng/ul	94
84) Chrysene	21.25	228	766957	6.345	ng/ul	97
87) Benzo(b)fluoranthene	22.77	252	662247	5.015	ng/ul	99
88) Benzo(k)fluoranthene	22.77	252	662247	5.251	ng/ul	98
90) Benzo(a)pyrene	23.32	252	567825	4.575	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.59	276	289944	2.113	ng/ul	98
93) Benzo(g,h,i)perylene	26.25	276	185694	1.637	ng/ul	96

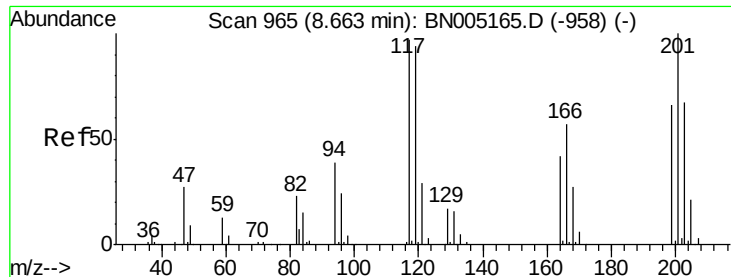
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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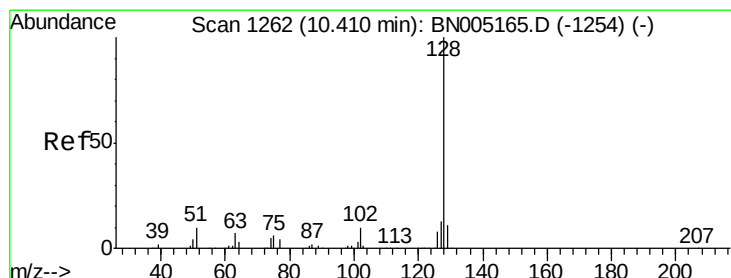
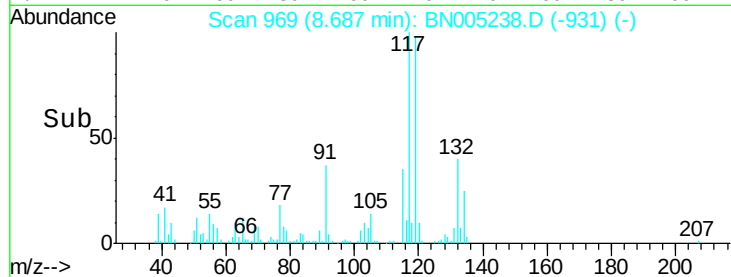
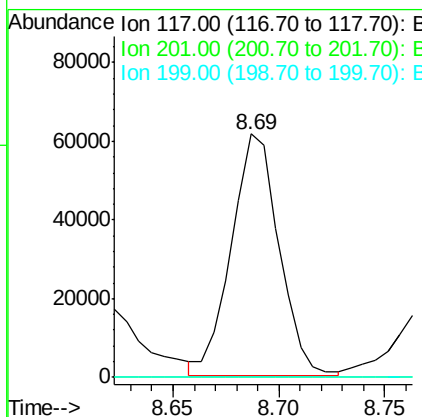
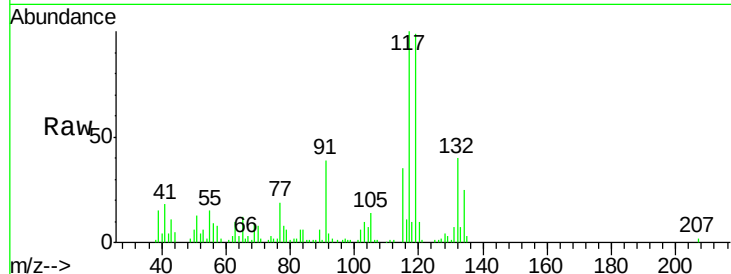




#17
Hexachloroethane
Concen: 6.444 ng/ul
RT: 8.69 min Scan# 969
Delta R.T. 0.02 min
Lab File: BN005238.D
Acq: 24 Apr 2019 05:25

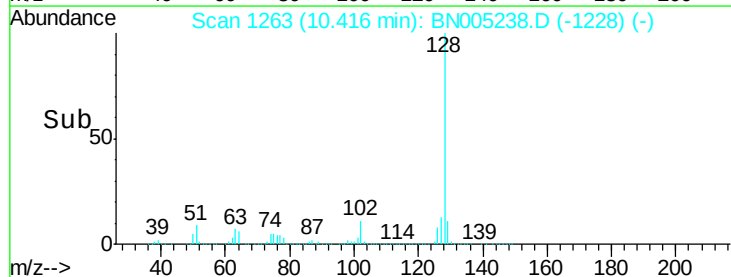
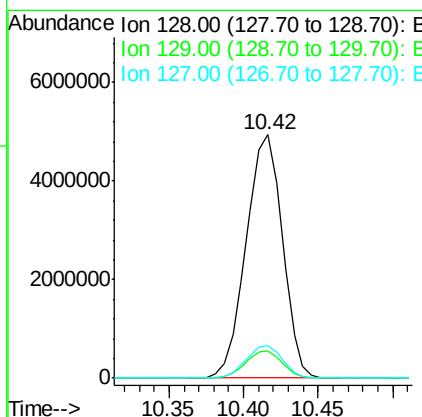
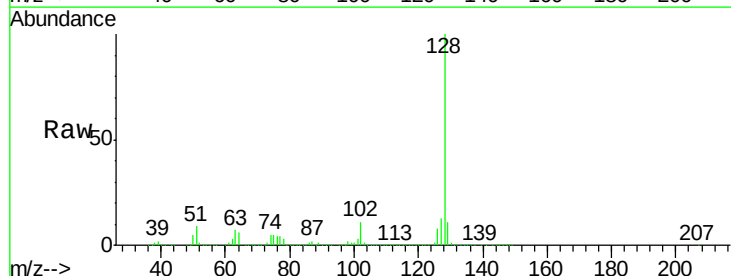
Instrument :
BNA_N
ClientSampleId :
GAHQ8

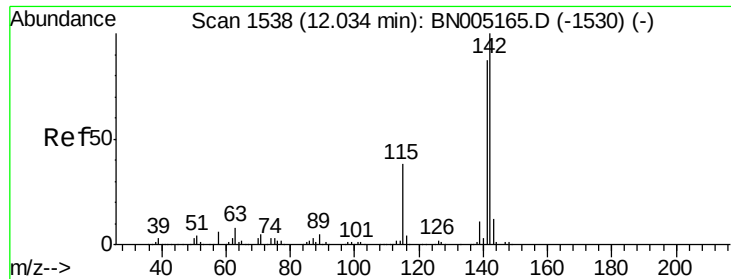
Tgt Ion:117 Resp: 96577
Ion Ratio Lower Upper
117 100
201 0.0 84.1 126.1#
199 0.0 51.2 76.8#



#28
Naphthalene
Concen: 79.357 ng/ul
RT: 10.42 min Scan# 1263
Delta R.T. 0.01 min
Lab File: BN005238.D
Acq: 24 Apr 2019 05:25

Tgt Ion:128 Resp: 8283071
Ion Ratio Lower Upper
128 100
129 11.3 9.2 13.8
127 13.4 10.7 16.1





#34

2-Methylnaphthalene

Concen: 144.444 ng/ul

RT: 12.04 min Scan# 1539

Delta R.T. 0.01 min

Lab File: BN005238.D

Acq: 24 Apr 2019 05:25

Instrument :

BNA_N

ClientSampleId :

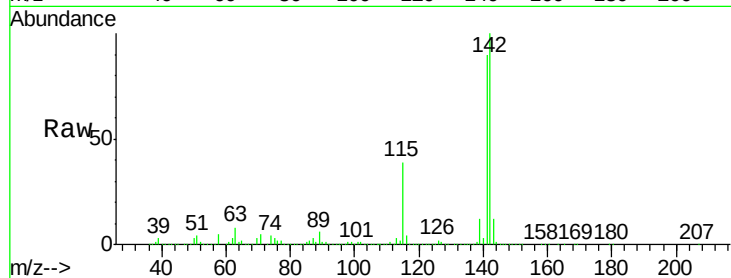
GAHQ8

Tgt Ion:142 Resp:11039283

Ion Ratio Lower Upper

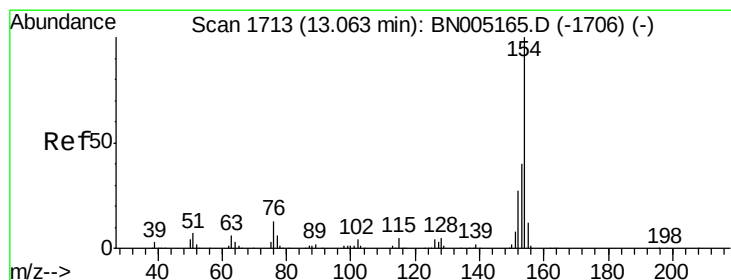
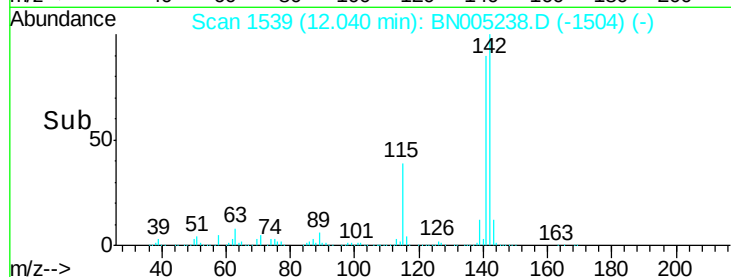
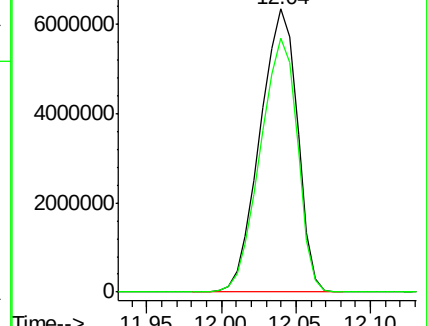
142 100

141 89.7 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: 9.141 ng/ul

RT: 13.06 min Scan# 1712

Delta R.T. -0.01 min

Lab File: BN005238.D

Acq: 24 Apr 2019 05:25

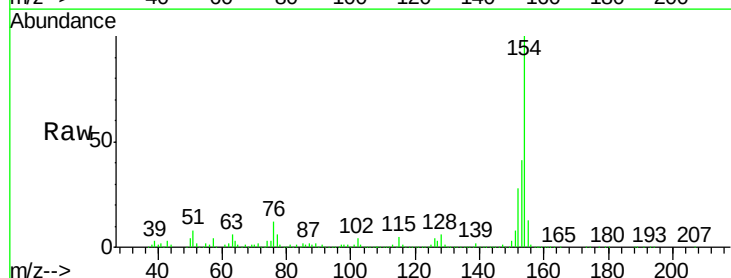
Tgt Ion:154 Resp: 827019

Ion Ratio Lower Upper

154 100

153 41.2 32.6 49.0

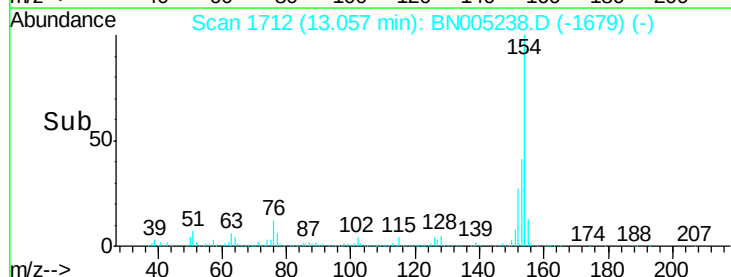
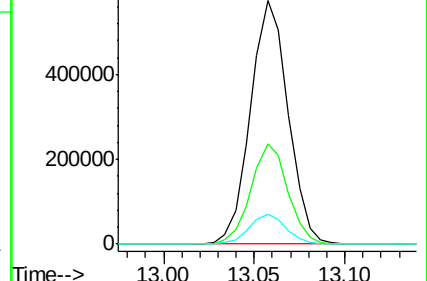
76 12.5 10.4 15.6

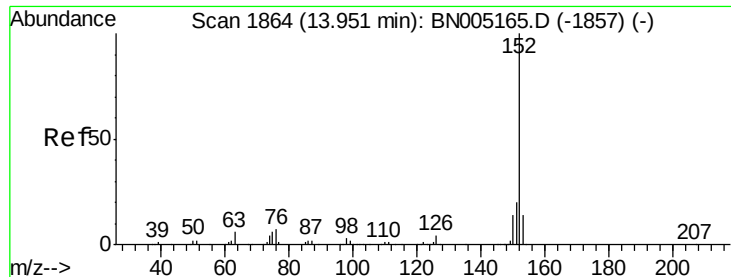


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BNC





#47

Acenaphthylene

Concen: 22.541 ng/ul

RT: 13.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: BN005238.D

Acq: 24 Apr 2019 05:25

Instrument :

BNA_N

ClientSampleId :

GAHQ8

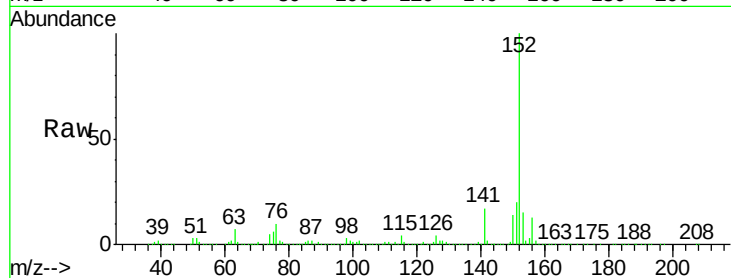
Tgt Ion:152 Resp: 2398126

Ion Ratio Lower Upper

152 100

151 20.3 15.8 23.8

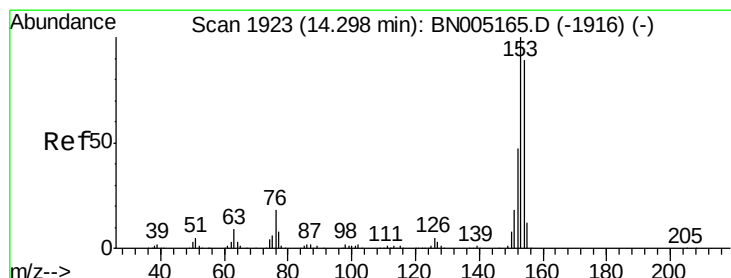
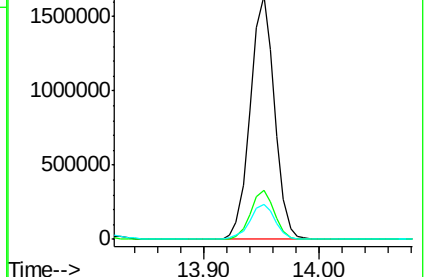
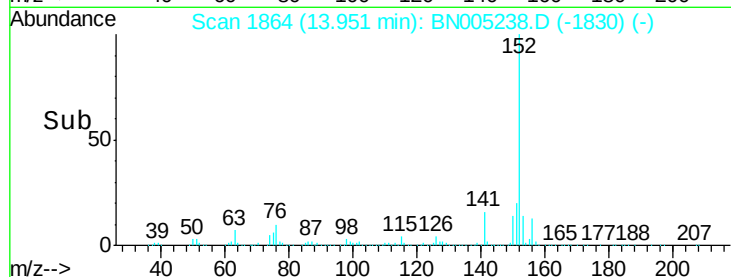
153 14.6 9.8 14.8



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: 3.382 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BN005238.D

Acq: 24 Apr 2019 05:25

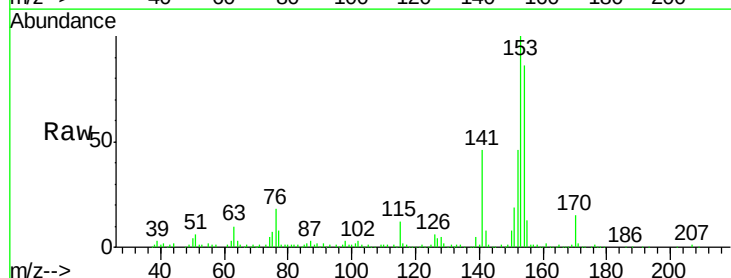
Tgt Ion:153 Resp: 245633

Ion Ratio Lower Upper

153 100

152 46.1 37.4 56.0

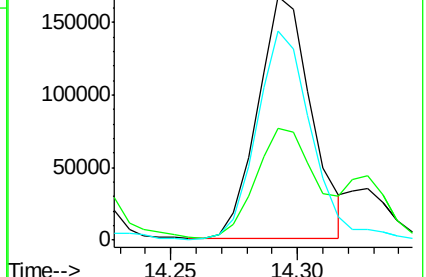
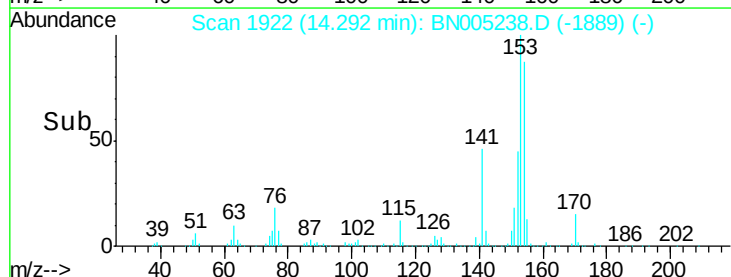
154 85.7 71.2 106.8

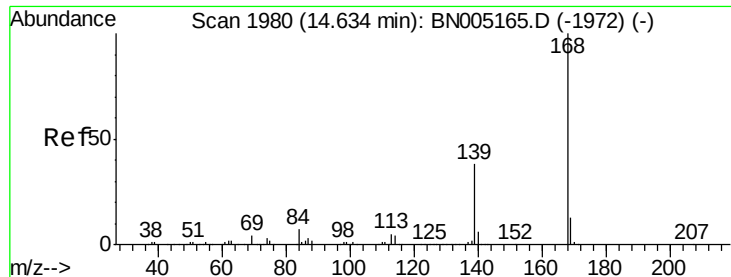


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzo(f,h)quinoxaline

Concen: 3.360 ng/ul

RT: 14.63 min Scan# 1980

Delta R.T. -0.00 min

Lab File: BN005238.D

Acq: 24 Apr 2019 05:25

Instrument :

BNA_N

ClientSampleID :

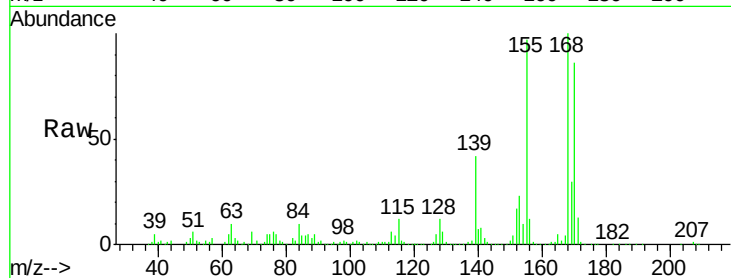
GAHQ8

Tgt Ion:168 Resp: 351338

Ion Ratio Lower Upper

168 100

139 42.0 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

200000

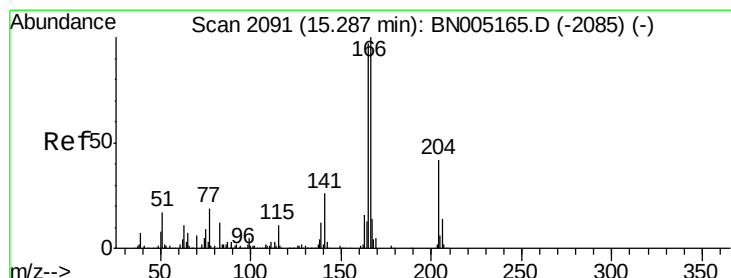
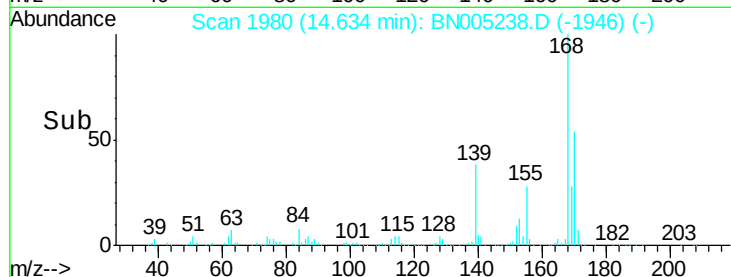
150000

100000

50000

0

Time-->



#58

Fluorene

Concen: 17.069 ng/ul

RT: 15.29 min Scan# 2091

Delta R.T. -0.00 min

Lab File: BN005238.D

Acq: 24 Apr 2019 05:25

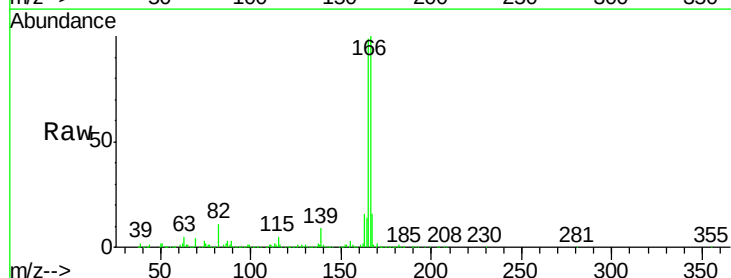
Tgt Ion:166 Resp: 1392828

Ion Ratio Lower Upper

166 100

165 99.2 80.0 120.0

167 15.7 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

1200000

1000000

800000

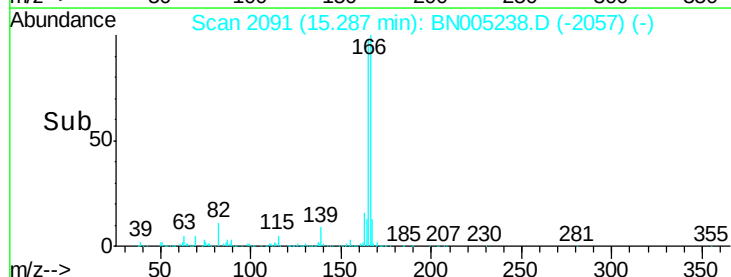
600000

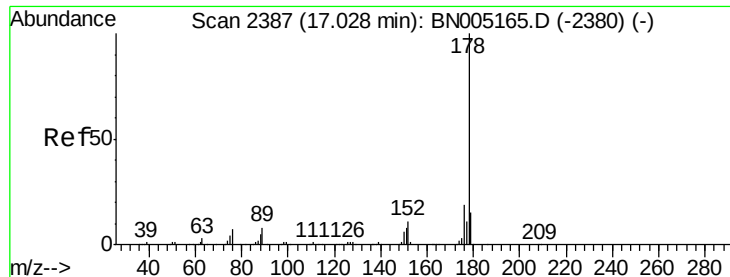
400000

200000

0

Time-->





#69

Phenanthrene

Concen: 47.910 ng/ul

RT: 17.03 min Scan# 2387

Delta R.T. -0.00 min

Lab File: BN005238.D

Acq: 24 Apr 2019 05:25

Instrument :

BNA_N

ClientSampleId :

GAHQ8

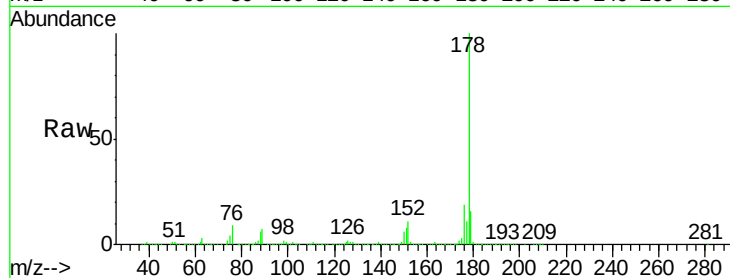
Tgt Ion:178 Resp: 5656827

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.4

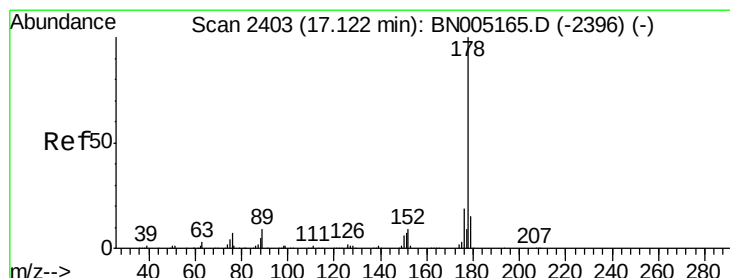
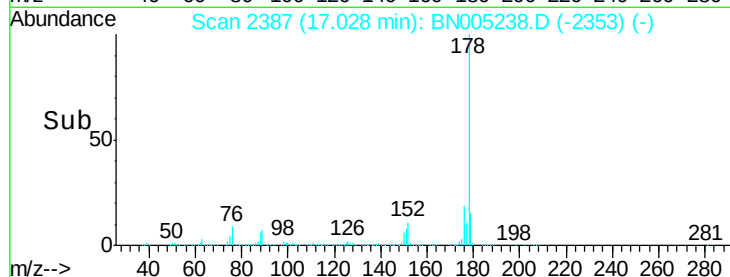
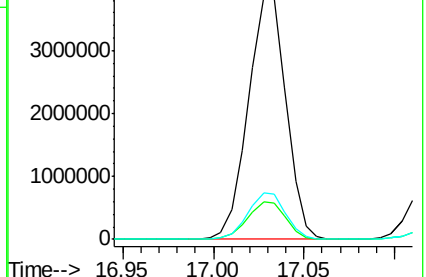
176 19.2 15.1 22.7



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: 9.870 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. -0.01 min

Lab File: BN005238.D

Acq: 24 Apr 2019 05:25

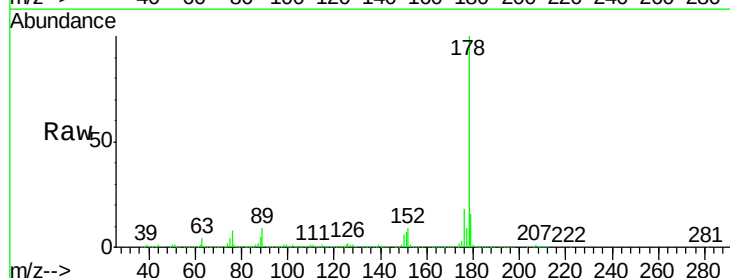
Tgt Ion:178 Resp: 1187140

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

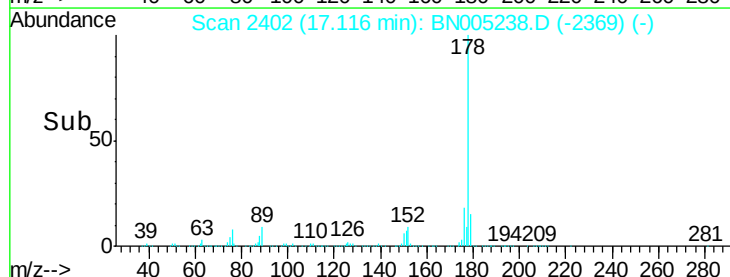
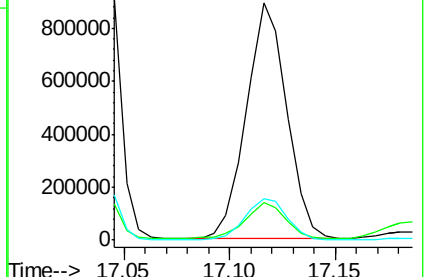
176 17.7 15.1 22.7

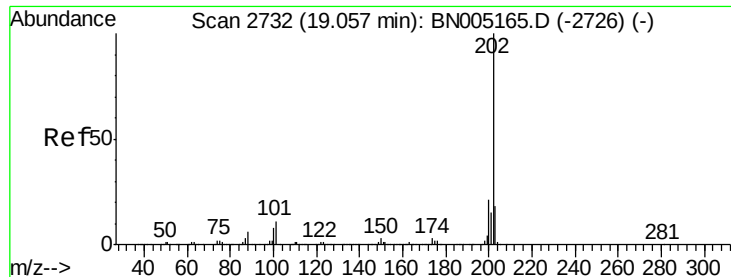


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 10.964 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. -0.00 min

Lab File: BN005238.D

Acq: 24 Apr 2019 05:25

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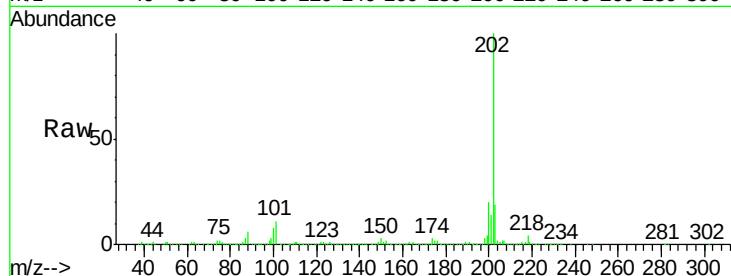
Tgt Ion:202 Resp: 1435892

Ion Ratio Lower Upper

202 100

101 10.8 8.6 12.8

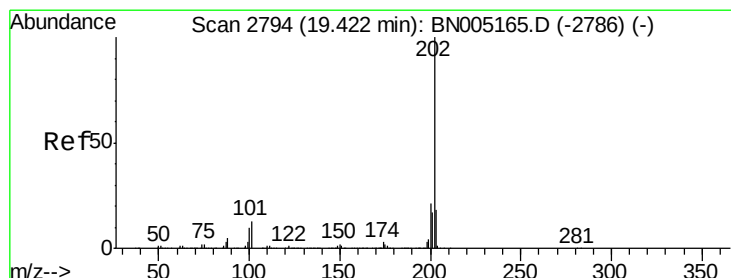
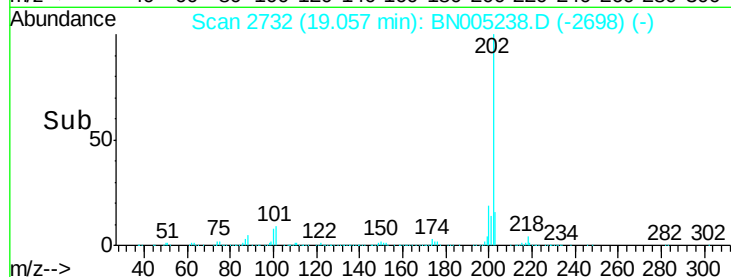
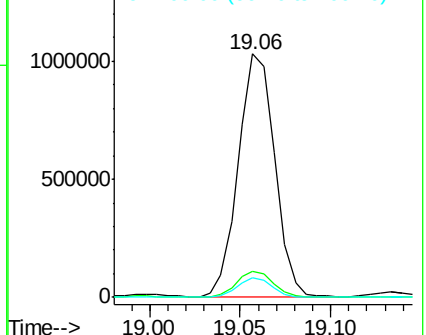
100 8.0 6.3 9.5



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: 16.650 ng/ul

RT: 19.43 min Scan# 2795

Delta R.T. 0.01 min

Lab File: BN005238.D

Acq: 24 Apr 2019 05:25

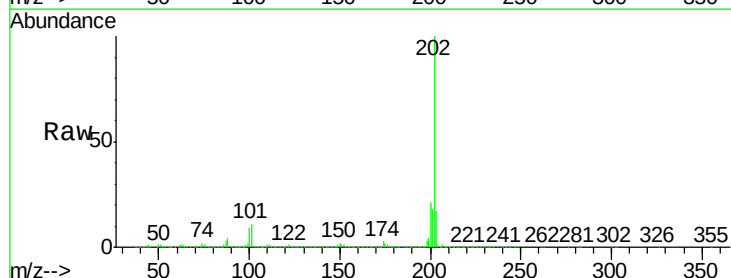
Tgt Ion:202 Resp: 2244383

Ion Ratio Lower Upper

202 100

101 11.5 10.3 15.5

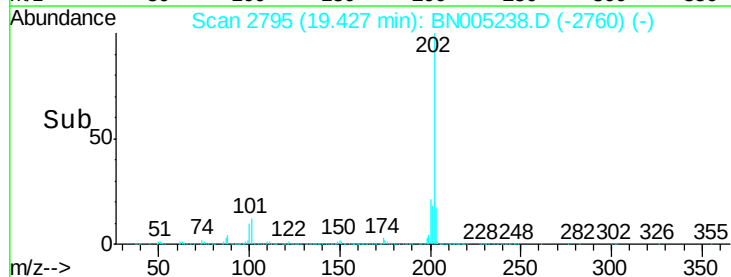
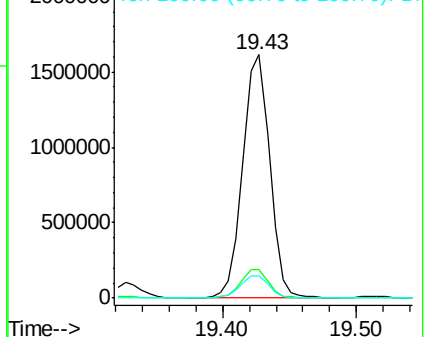
100 9.3 7.9 11.9

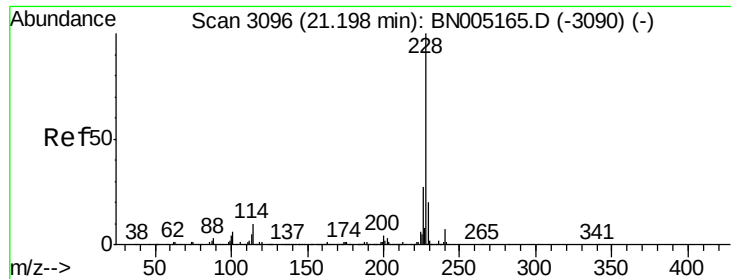


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 5.889 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. 0.05 min

Lab File: BN005238.D

Acq: 24 Apr 2019 05:25

Instrument :

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GAHQ8

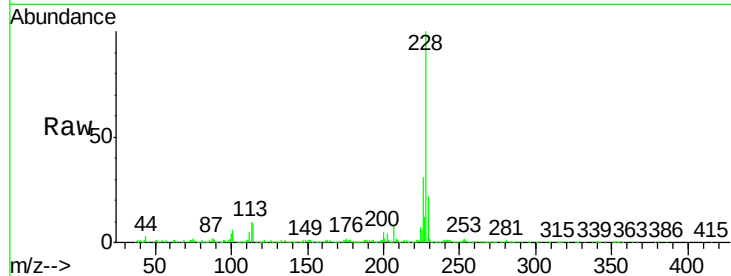
Tgt Ion:228 Resp: 766957

Ion Ratio Lower Upper

228 100

229 21.6 15.8 23.6

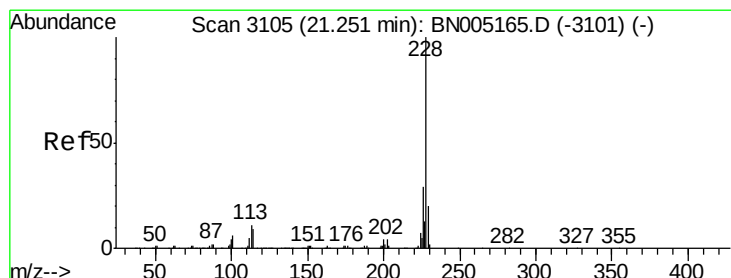
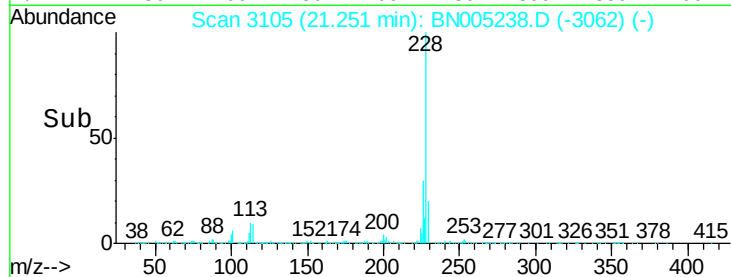
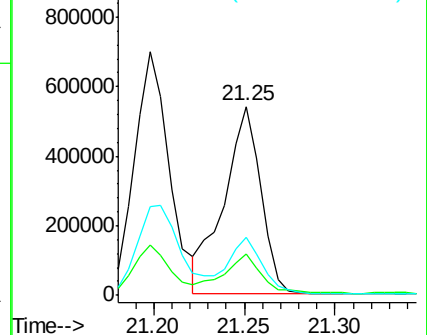
226 31.0 21.4 32.2



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: 6.345 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BN005238.D

Acq: 24 Apr 2019 05:25

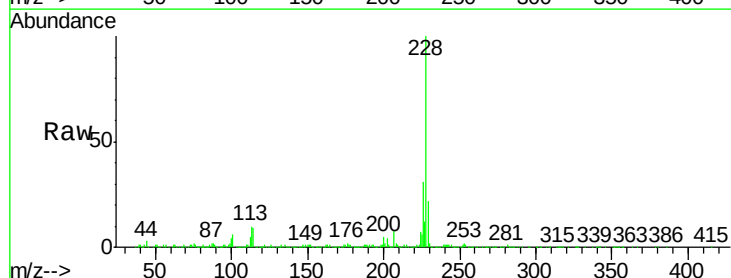
Tgt Ion:228 Resp: 766957

Ion Ratio Lower Upper

228 100

226 31.0 24.0 36.0

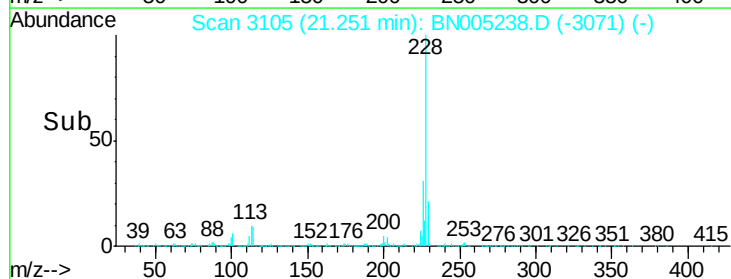
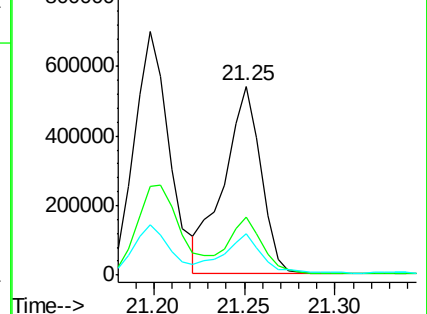
229 21.6 15.4 23.0

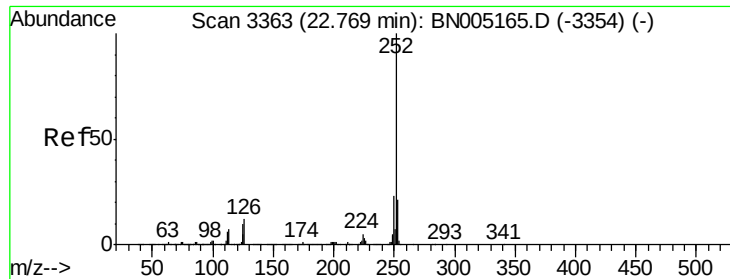


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 5.015 ng/ul

RT: 22.77 min Scan# 3363

Delta R.T. -0.00 min

Lab File: BN005238.D

Acq: 24 Apr 2019 05:25

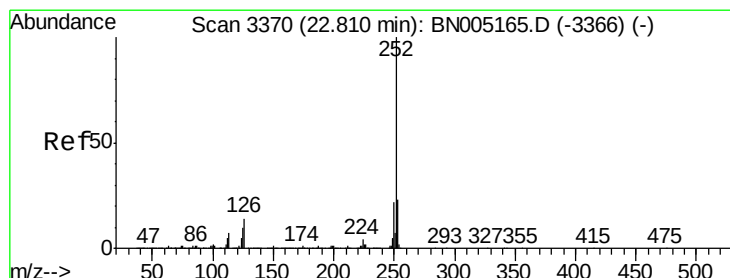
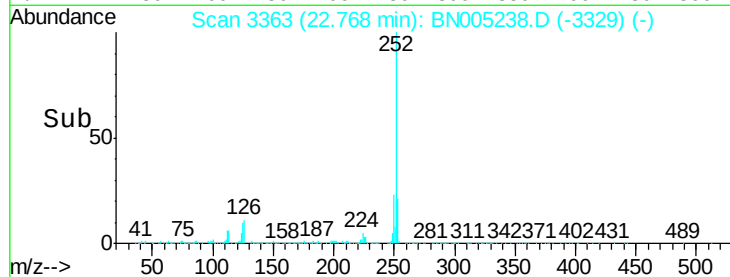
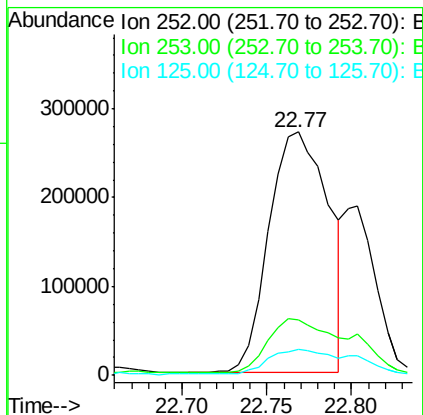
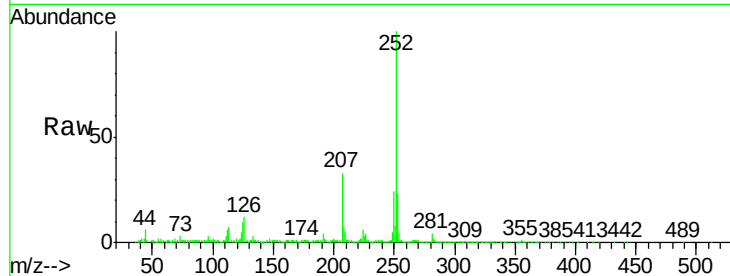
Instrument :

BNA_N

ClientSampleId :

GAHQ8

Tgt Ion:	252	Resp:	662247
Ion Ratio		Lower	Upper
252	100		
253	22.8	17.7	26.5
125	10.5	8.4	12.6



#88

Benzo(k)fluoranthene

Concen: 5.251 ng/ul

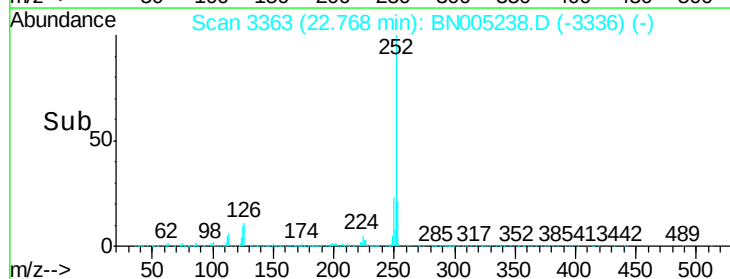
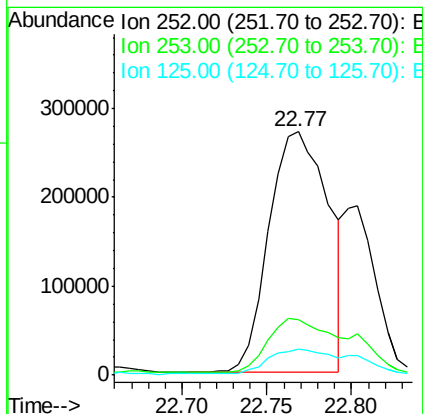
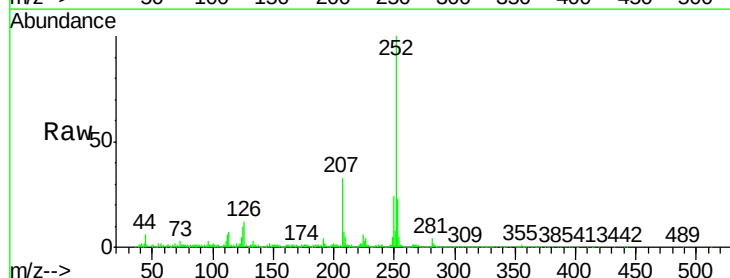
RT: 22.77 min Scan# 3363

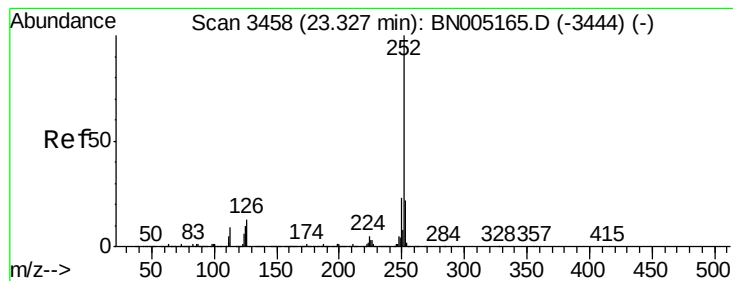
Delta R.T. -0.04 min

Lab File: BN005238.D

Acq: 24 Apr 2019 05:25

Tgt Ion:	252	Resp:	662247
Ion Ratio		Lower	Upper
252	100		
253	22.8	17.4	26.0
125	10.5	7.5	11.3





#90

Benzo(a)pyrene

Concen: 4.575 ng/ul

RT: 23.32 min Scan# 3457

Delta R.T. -0.01 min

Lab File: BN005238.D

Acq: 24 Apr 2019 05:25

Instrument :

BNA_N

ClientSampleId :

GAHQ8

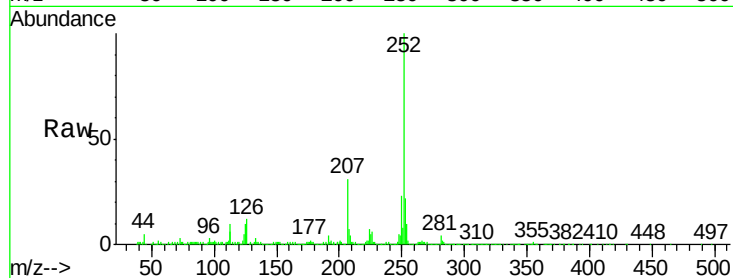
Tgt Ion:252 Resp: 567825

Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

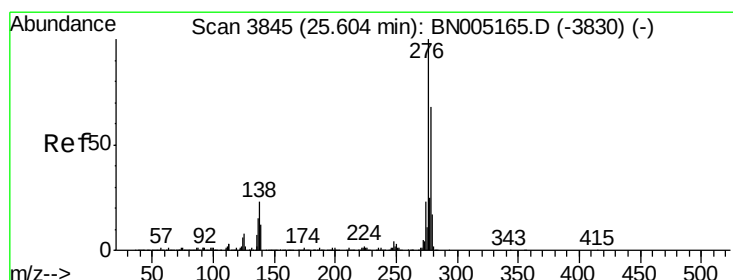
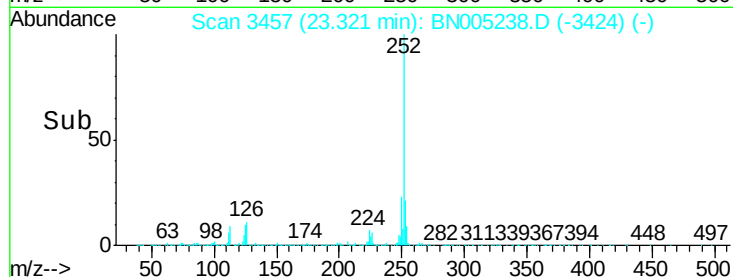
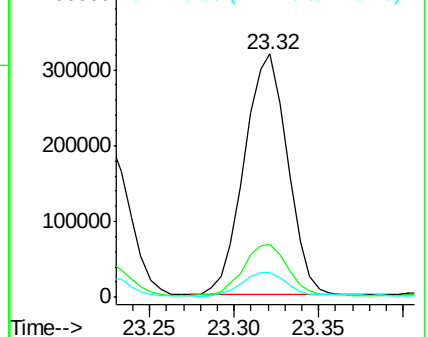
125 10.2 8.6 13.0



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: 2.113 ng/ul

RT: 25.59 min Scan# 3842

Delta R.T. -0.02 min

Lab File: BN005238.D

Acq: 24 Apr 2019 05:25

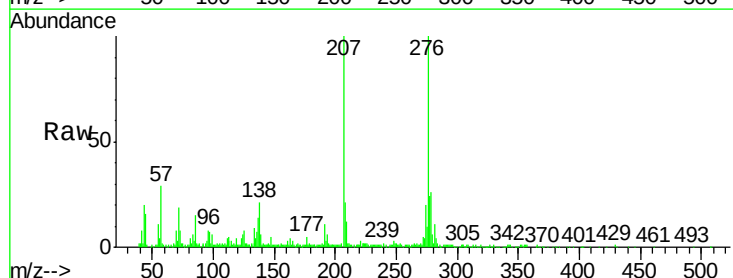
Tgt Ion:276 Resp: 289944

Ion Ratio Lower Upper

276 100

138 21.2 17.9 26.9

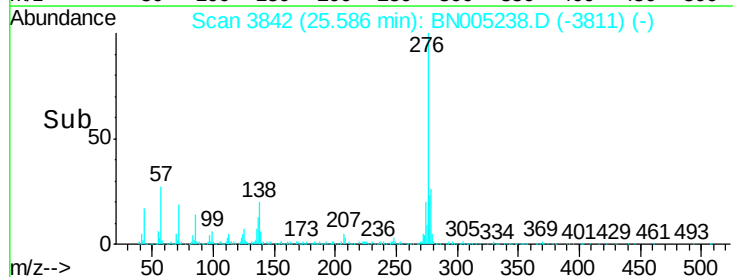
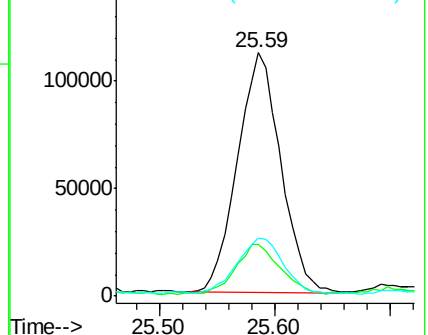
277 24.1 19.7 29.5

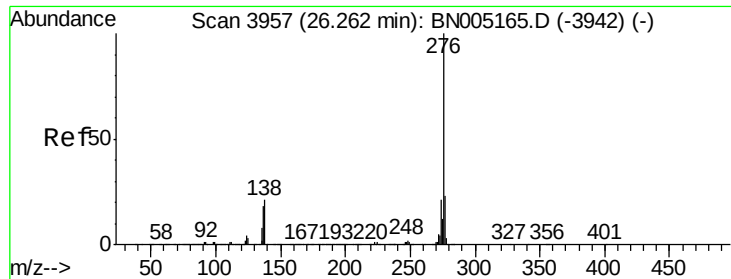


Abundance Ion 276.00 (275.70 to 276.70): E

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: 1.637 ng/ul

RT: 26.25 min Scan# 3955

Delta R.T. -0.01 min

Lab File: BN005238.D

Acq: 24 Apr 2019 05:25

Instrument :

BNA_N

ClientSampleId :

GAHQ8

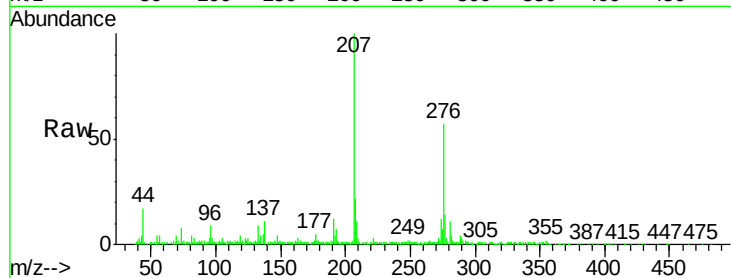
Tgt Ion: 276 Resp: 185694

Ion Ratio Lower Upper

276 100

138 19.0 16.7 25.1

277 24.6 18.2 27.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

