

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050119\
 Data File : BN005410.D
 Acq On : 01 May 2019 14:46
 Operator : JU/SJ
 Sample : K2481-07MEDL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHW2MEDL

Quant Time: May 01 23:19:45 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	466815	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	2011122	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1163457	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2361945	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1529836	20.00	ng/ul	-0.01
85) Perylene-d12	23.43	264	1673462	20.00	ng/ul	-0.01

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	8909	0.92	ng/uL	0.00
5) Phenol-d5	6.78	99	187797	5.12	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	114051	4.99	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	158427	5.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	147761	5.16	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	77443	6.26	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	81150	6.47	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	154960	5.39	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	183270	6.18	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	492946	5.84	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	601572	5.80	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	52379	3.93	ng/ul	0.02
57) Fluorene-d10	15.23	176	417057	5.88	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	12738	1.20	ng/ul	0.02
70) Anthracene-d10	17.08	188	580674	5.86	ng/ul	0.00
78) Pyrene-d10	19.40	212	540243	6.90	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	405742	5.55	ng/ul	-0.02

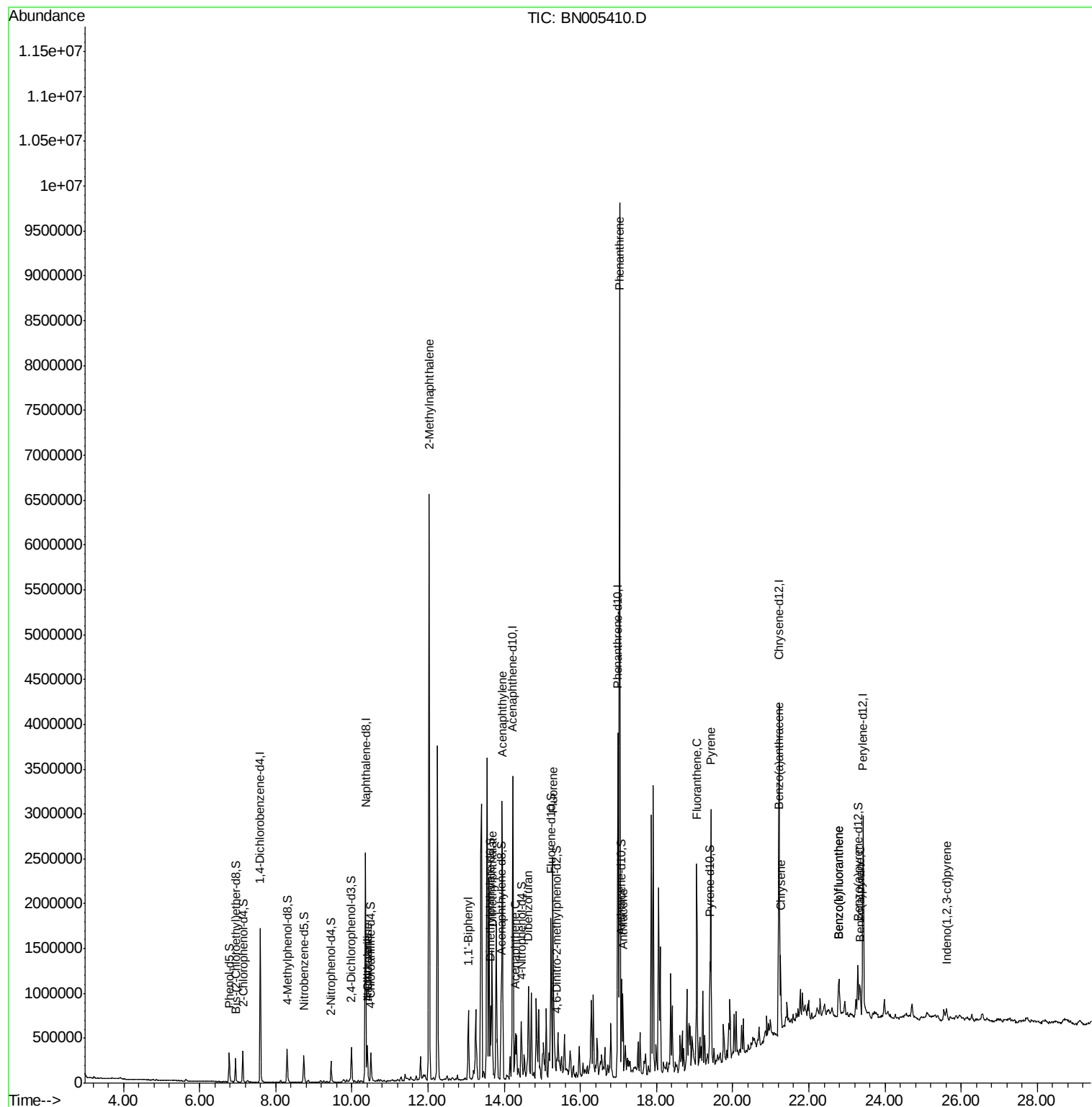
Target Compounds				Ovalue		
28) Naphthalene	10.40	128	306661	3.280	ng/ul	99
30) 4-Chloroaniline	10.40	127	40003	1.324	ng/ul#	12
34) 2-Methylnaphthalene	12.03	142	3122642	45.614	ng/ul	97
40) 1,1'-Biphenyl	13.06	154	315174	3.636	ng/ul	95
44) Dimethylphthalate	13.69	163	106456	1.265	ng/ul	97
47) Acenaphthylene	13.95	152	1775955	17.421	ng/ul	97
49) Acenaphthene	14.29	153	199067	2.860	ng/ul	94
53) Dibenzofuran	14.63	168	225775	2.253	ng/ul	95
58) Fluorene	15.29	166	1189642	15.215	ng/ul	99
69) Phenanthrene	17.03	178	6053814	52.628	ng/ul	99
71) Anthracene	17.12	178	555340	4.739	ng/ul	97
76) Fluoranthene	19.06	202	1242354	9.737	ng/ul	97
79) Pyrene	19.43	202	1851580	18.798	ng/ul	96
82) Benzo(a)anthracene	21.20	228	548337	5.762	ng/ul	95
84) Chrysene	21.25	228	516721	5.850	ng/ul	98
87) Benzo(b)fluoranthene	22.77	252	241888	2.571	ng/ul	98
88) Benzo(k)fluoranthene	22.77	252	241888	2.692	ng/ul	97
90) Benzo(a)pyrene	23.33	252	180341	2.040	ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.61	276	100714	1.030	ng/ul#	90

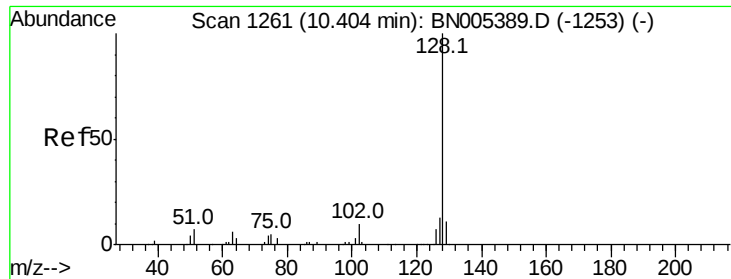
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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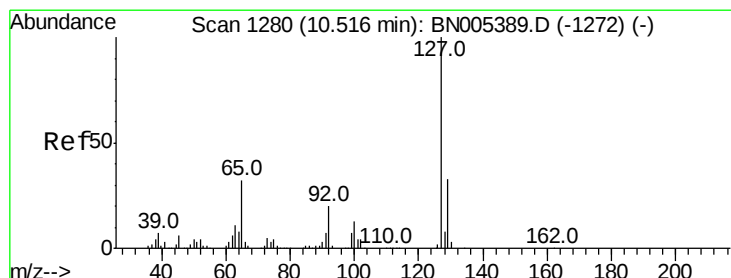
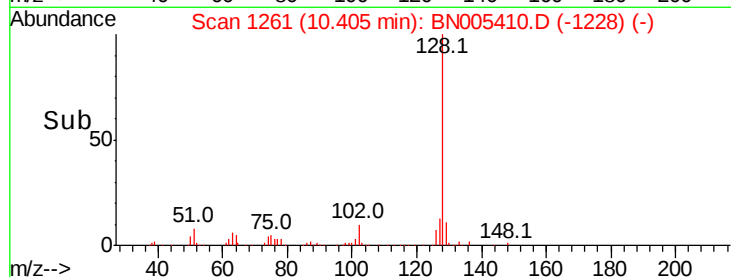
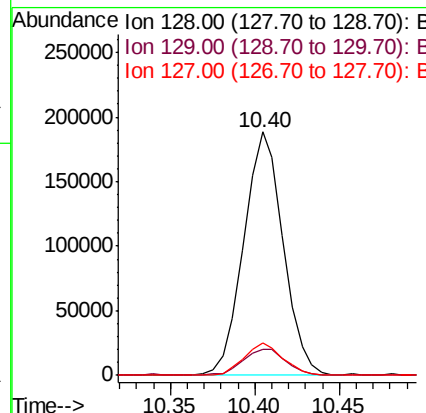
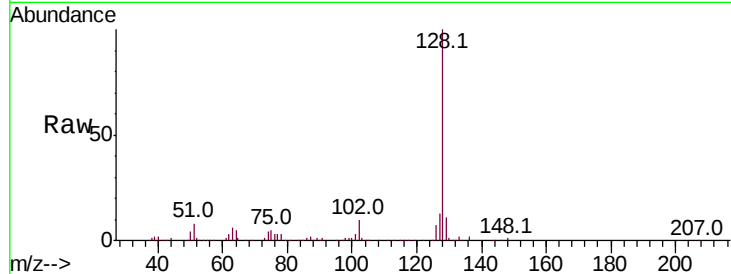




#28
Naphthalene
Concen: 3.280 ng/ul
RT: 10.40 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BN005410.D
Acq: 01 May 2019 14:46

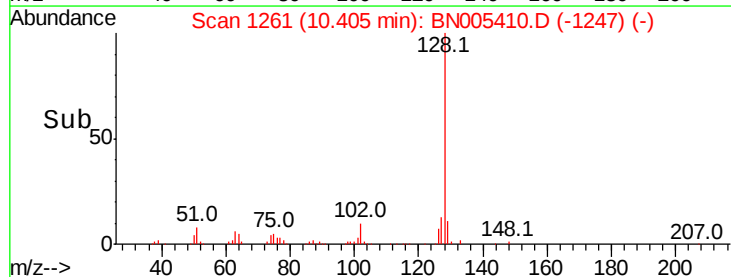
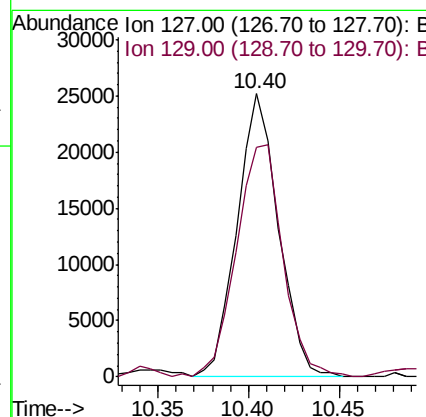
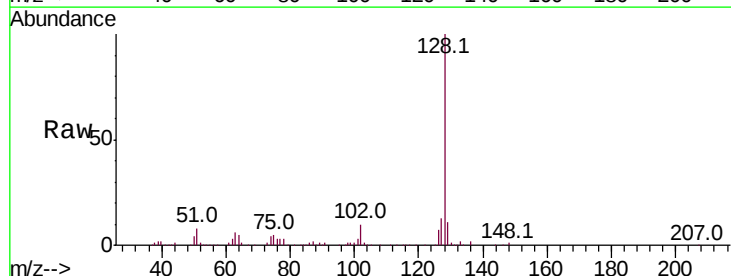
Instrument :
BNA_N
ClientSampleId :
GAHW2MEDL

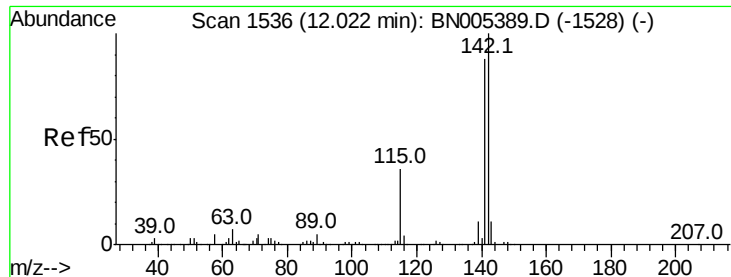
Tot Ion:128 Resp: 306661
Ion Ratio Lower Upper
128 100
129 10.8 9.2 13.8
127 13.4 10.7 16.1



#30
4-Chloroaniline
Concen: 1.324 ng/ul
RT: 10.40 min Scan# 1261
Delta R.T. -0.12 min
Lab File: BN005410.D
Acq: 01 May 2019 14:46

Tgt Ion:127 Resp: 40003
Ion Ratio Lower Upper
127 100
129 81.2 25.8 38.6#

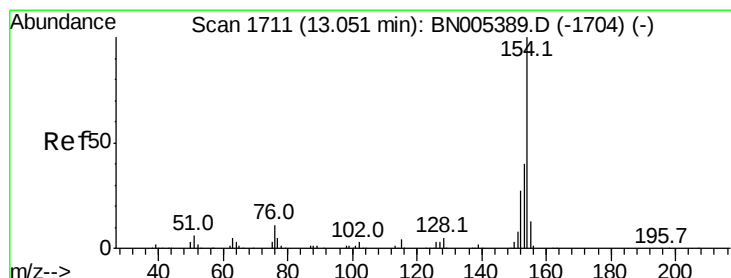
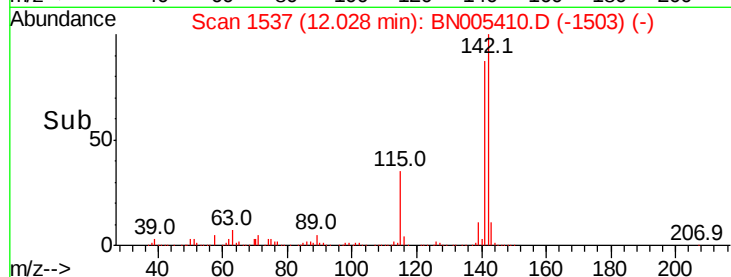
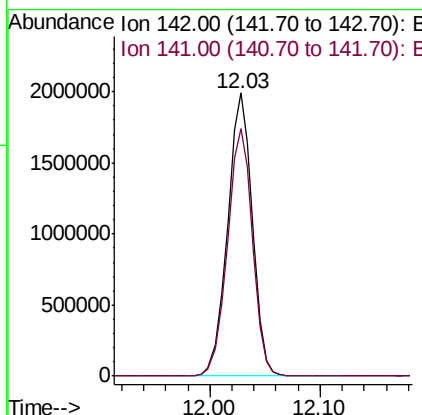
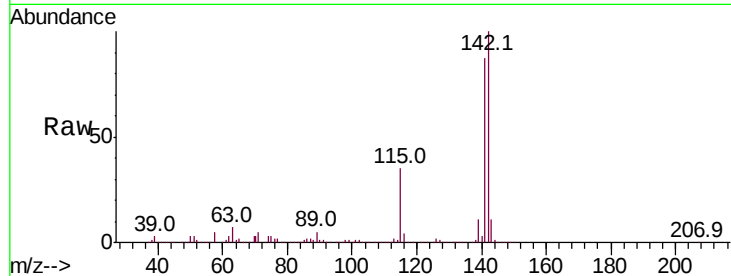




#34
 2-Methylnaphthalene
 Concen: 45.614 ng/ul
 RT: 12.03 min Scan# 1537
 Delta R.T. 0.00 min
 Lab File: BN005410.D
 Acq: 01 May 2019 14:46

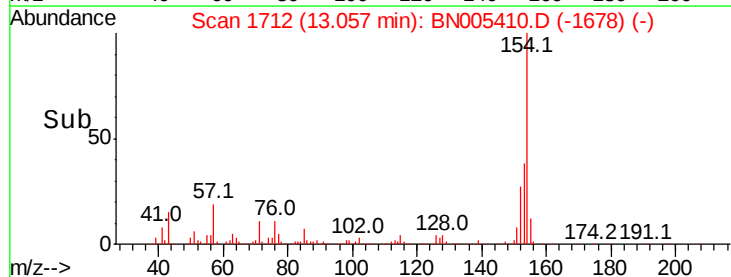
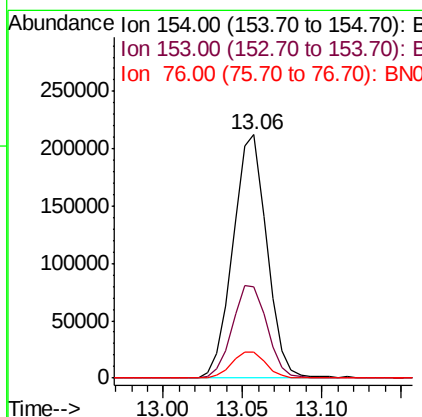
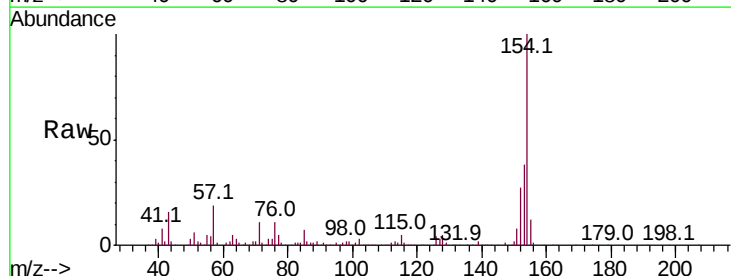
Instrument :
 BNA_N
 ClientSampleId :
 GAHW2MEDL

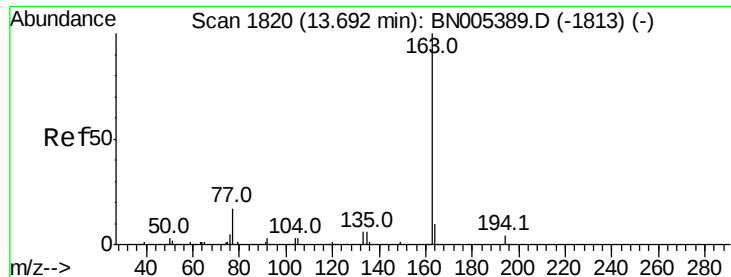
Tot Ion:142 Resp: 3122642
 Ion Ratio Lower Upper
 142 100
 141 87.4 72.0 108.0



#40
 1,1'-Biphenyl
 Concen: 3.636 ng/ul
 RT: 13.06 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: BN005410.D
 Acq: 01 May 2019 14:46

Tgt Ion:154 Resp: 315174
 Ion Ratio Lower Upper
 154 100
 153 37.6 32.6 49.0
 76 10.5 10.4 15.6





#44

Dimethylphthalate

Concen: 1.265 ng/ul

RT: 13.69 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BN005410.D

Acq: 01 May 2019 14:46

Instrument :

BNA_N

ClientSampleId :

GAHW2MEDL

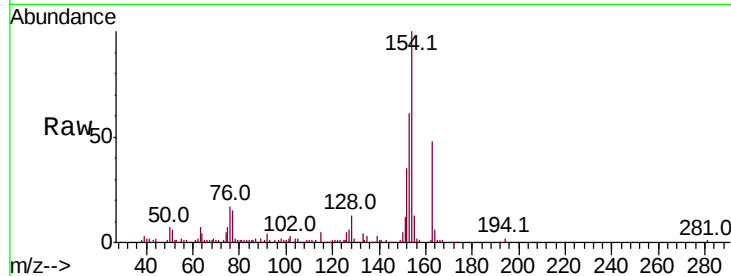
Tot Ion:163 Resp: 106456

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

164 11.6 8.1 12.1

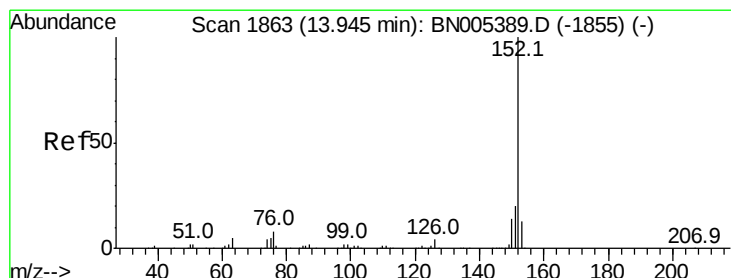
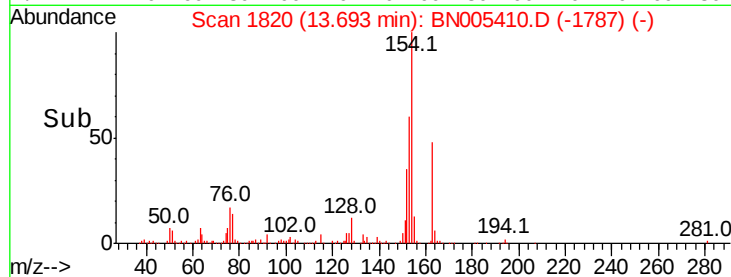
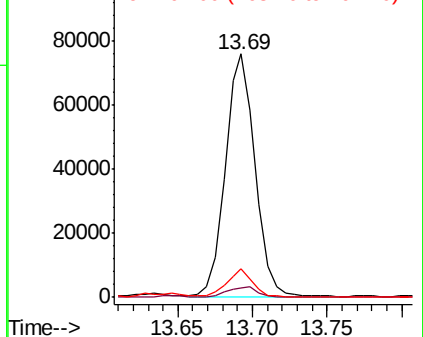


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#47

Acenaphthylene

Concen: 17.421 ng/ul

RT: 13.95 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BN005410.D

Acq: 01 May 2019 14:46

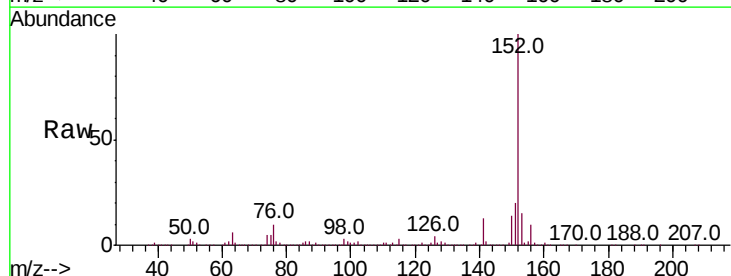
Tgt Ion:152 Resp: 1775955

Ion Ratio Lower Upper

152 100

151 20.0 15.8 23.8

153 14.6 9.8 14.8

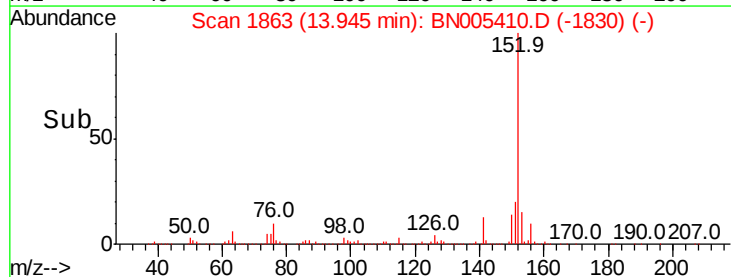
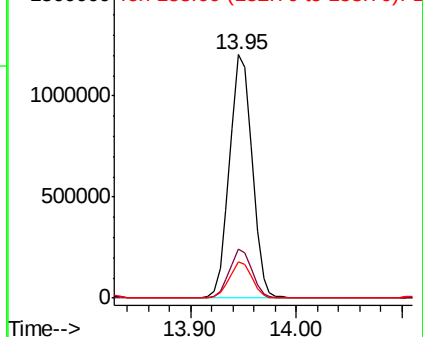


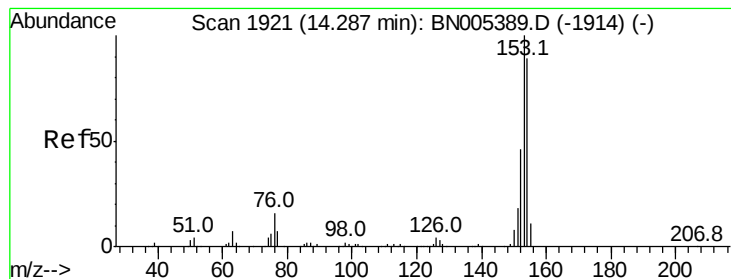
Abundance

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: 2.860 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BN005410.D

Acq: 01 May 2019 14:46

Instrument :

BNA_N

ClientSampleId :

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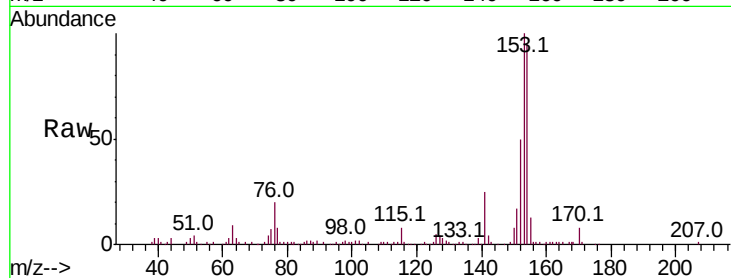
Tot Ion:153 Resp: 199067

Ion Ratio Lower Upper

153 100

152 49.6 37.4 56.0

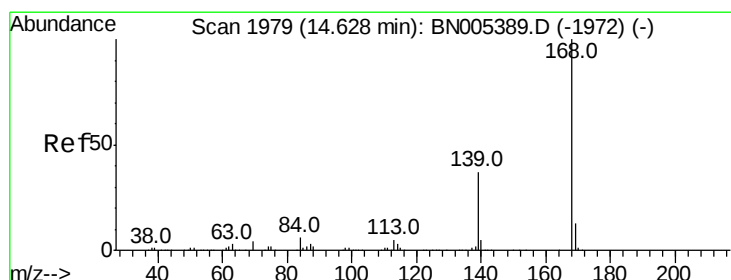
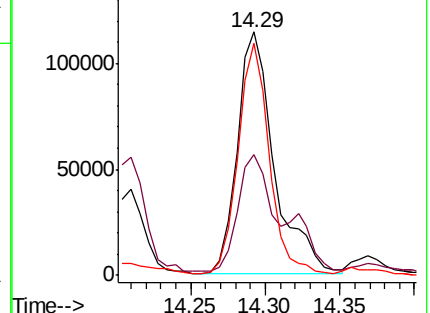
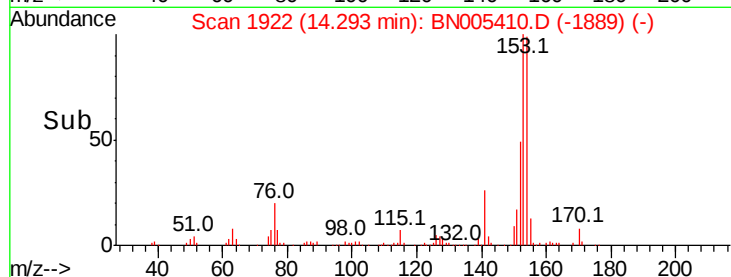
154 95.2 71.2 106.8



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: 2.253 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BN005410.D

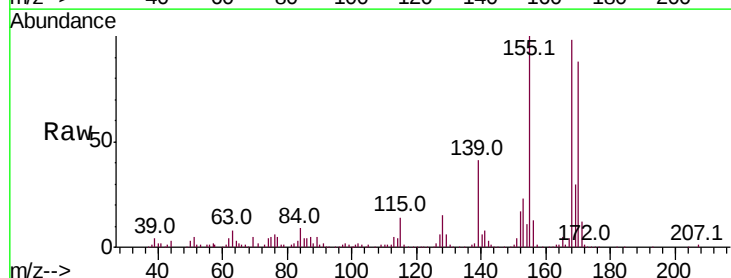
Acq: 01 May 2019 14:46

Tgt Ion:168 Resp: 225775

Ion Ratio Lower Upper

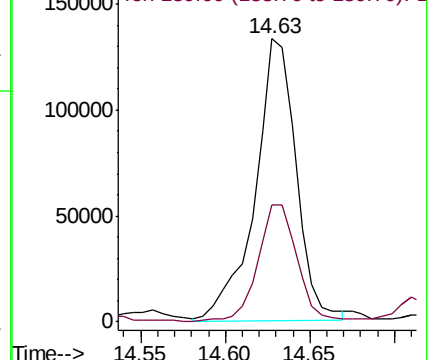
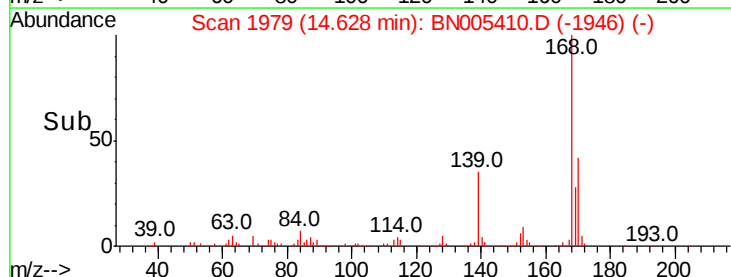
168 100

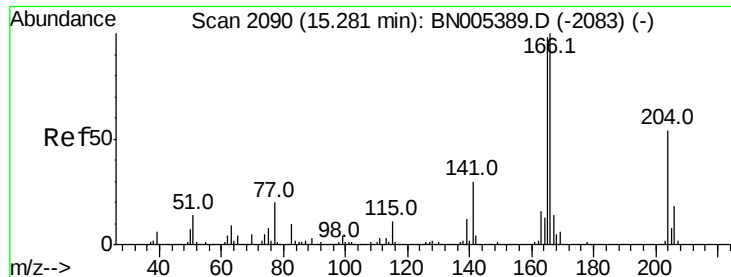
139 41.3 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 15.215 ng/ul

RT: 15.29 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BN005410.D

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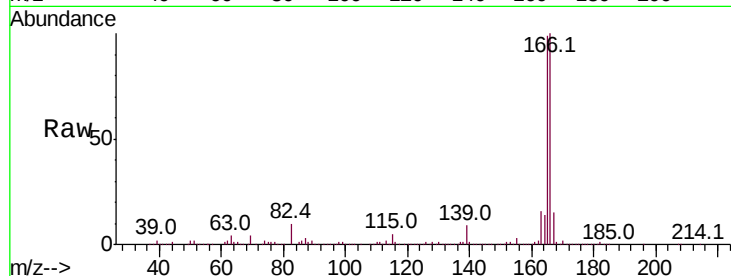
Tot Ion:166 Resp: 1189642

Ion Ratio Lower Upper

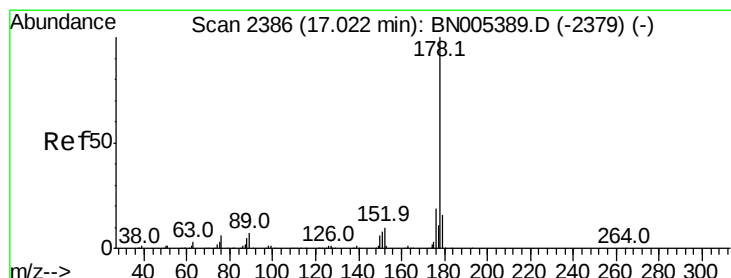
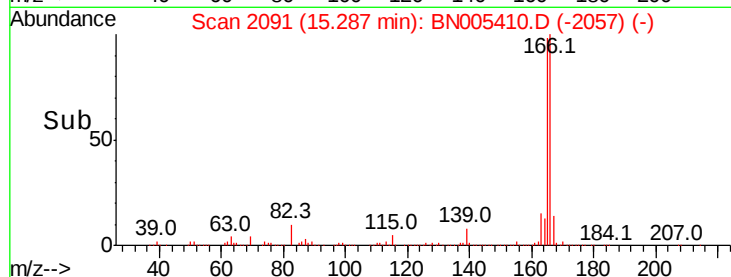
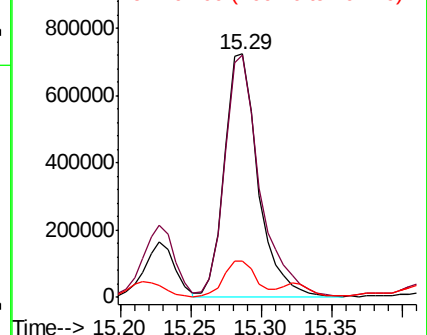
166 100

165 99.5 80.0 120.0

167 15.0 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: 52.628 ng/ul

RT: 17.03 min Scan# 2387

Delta R.T. 0.00 min

Lab File: BN005410.D

Acq: 01 May 2019 14:46

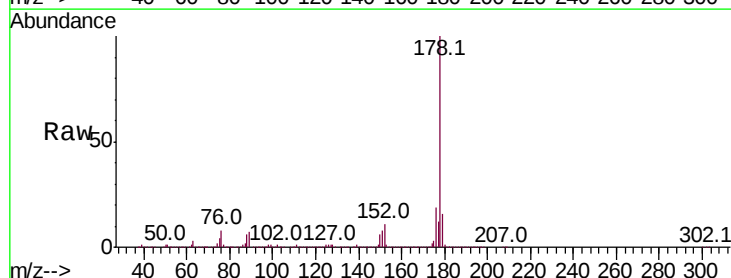
Tgt Ion:178 Resp: 6053814

Ion Ratio Lower Upper

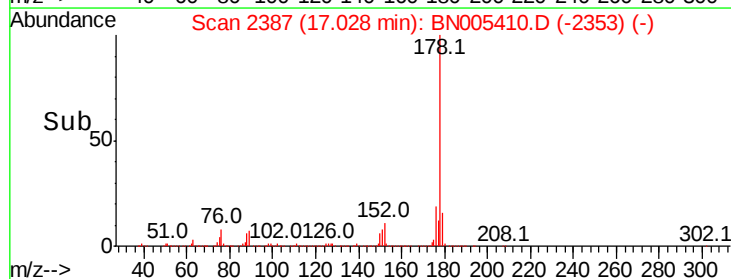
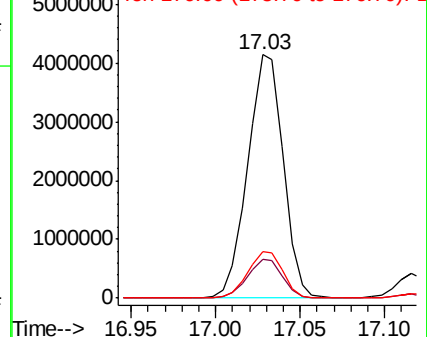
178 100

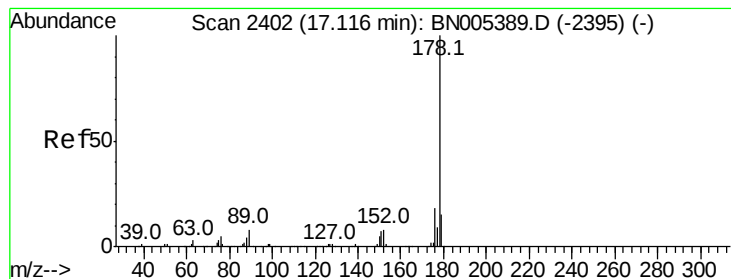
179 15.8 12.2 18.4

176 19.3 15.1 22.7



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





#71

Anthracene

Concen: 4.739 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. 0.00 min

Lab File: BN005410.D

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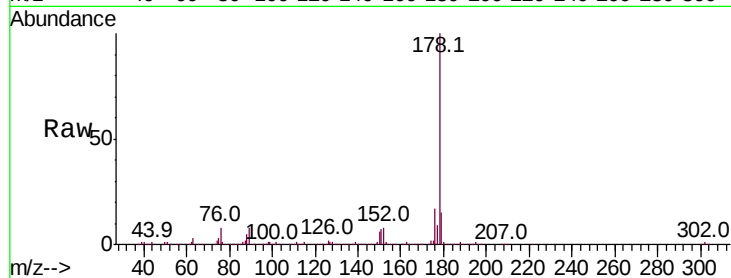
Tot Ion:178 Resp: 555340

Ion Ratio Lower Upper

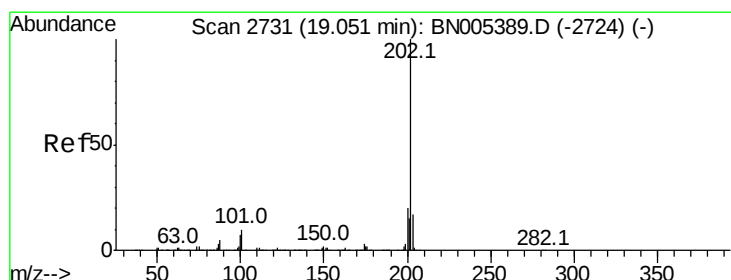
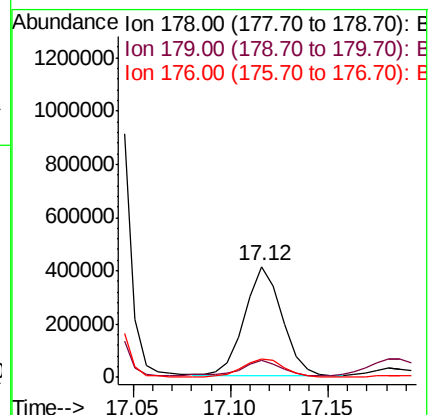
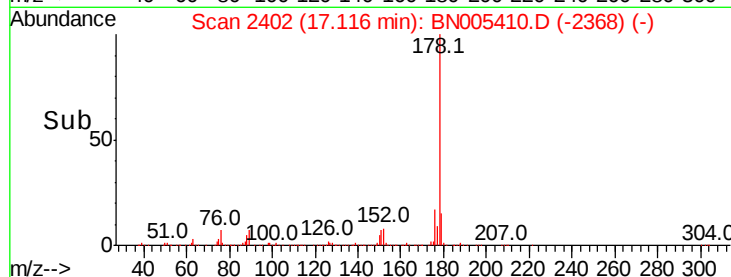
178 100

179 15.1 12.3 18.5

176 17.1 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



#76

Fluoranthene

Concen: 9.737 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. -0.01 min

Lab File: BN005410.D

Acq: 01 May 2019 14:46

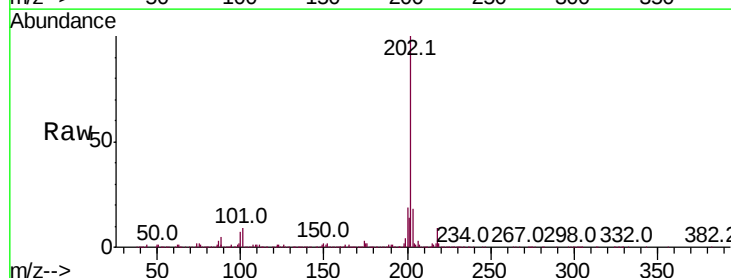
Tgt Ion:202 Resp: 1242354

Ion Ratio Lower Upper

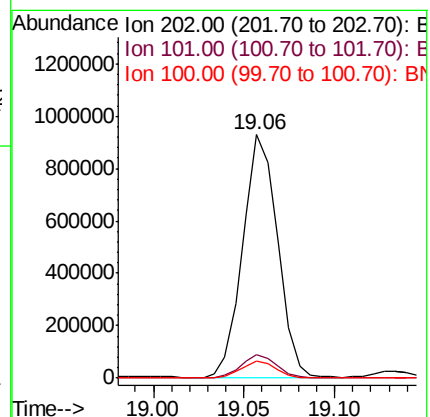
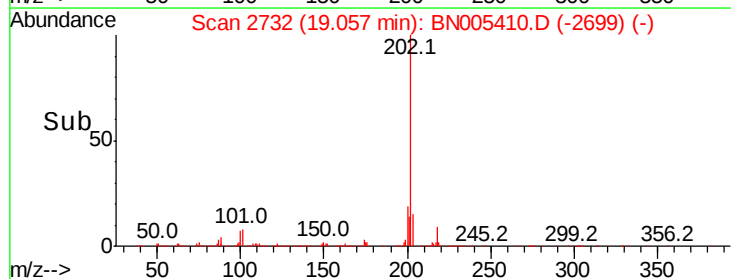
202 100

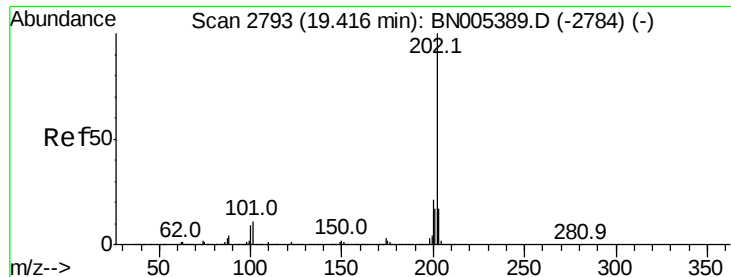
101 9.5 8.6 12.8

100 7.0 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

Pvrene

Concen: 18.798 ng/ul

RT: 19.43 min Scan# 2795

Delta R.T. 0.00 min

Lab File: BN005410.D

Acq: 01 May 2019 14:46

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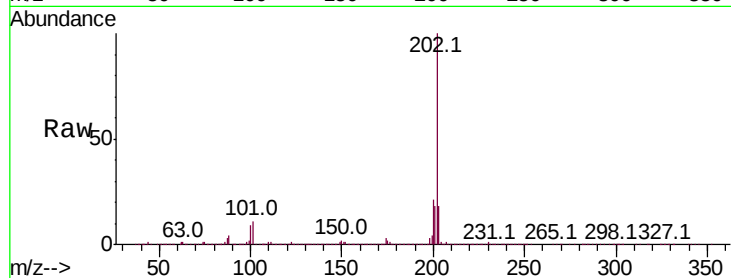
Tot Ion:202 Resp: 1851580

Ion Ratio Lower Upper

202 100

101 11.1 10.3 15.5

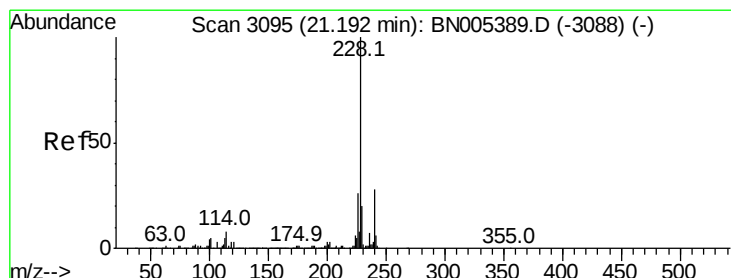
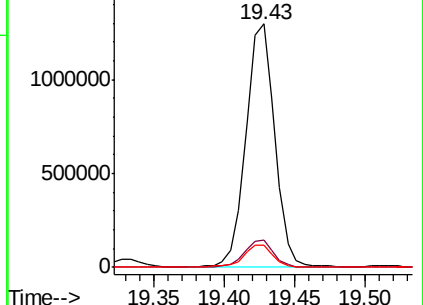
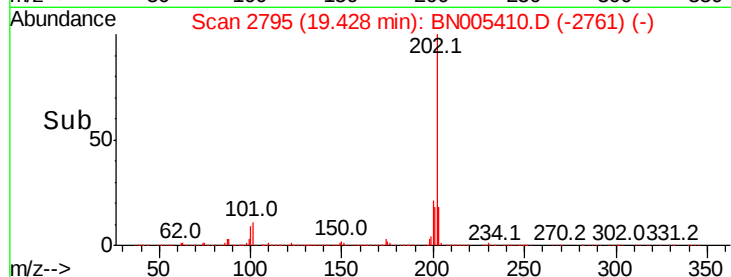
100 8.9 7.9 11.9



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: 5.762 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BN005410.D

Acq: 01 May 2019 14:46

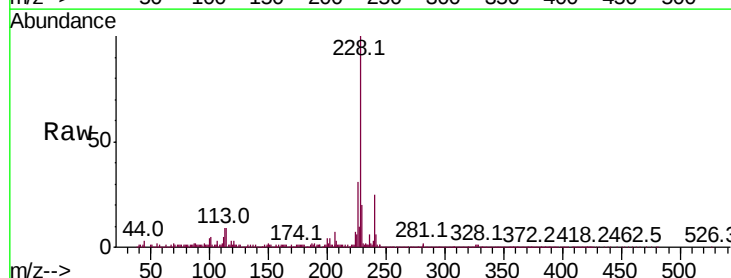
Tgt Ion:228 Resp: 548337

Ion Ratio Lower Upper

228 100

229 20.1 15.8 23.6

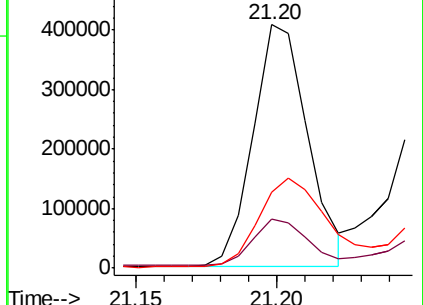
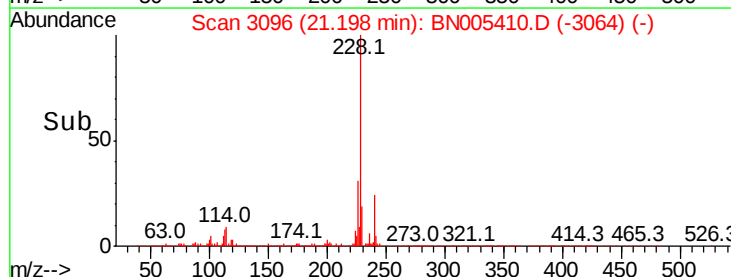
226 31.1 21.4 32.2

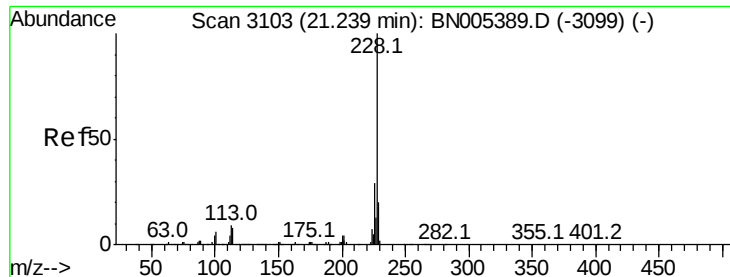


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 5.850 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BN005410.D

Acq: 01 May 2019 14:46

Instrument :

BNA_N

ClientSampleId :

GAHW2MEDL

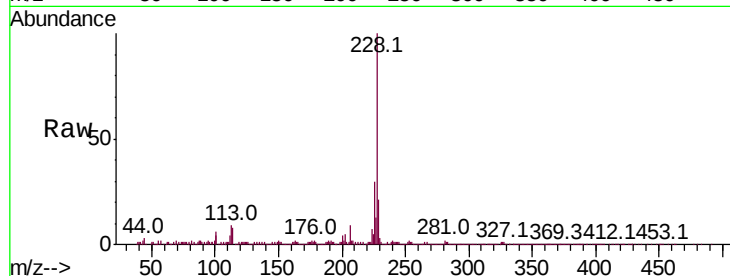
Tot Ion:228 Resp: 516721

Ion Ratio Lower Upper

228 100

226 30.4 24.0 36.0

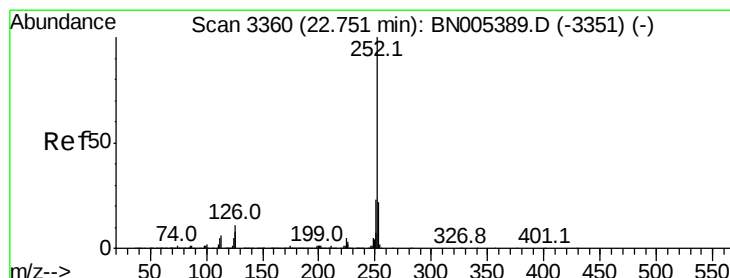
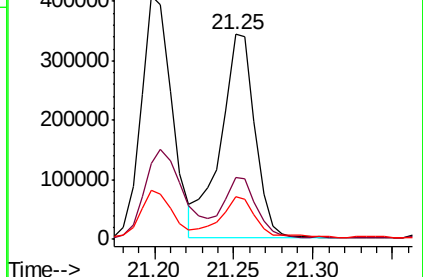
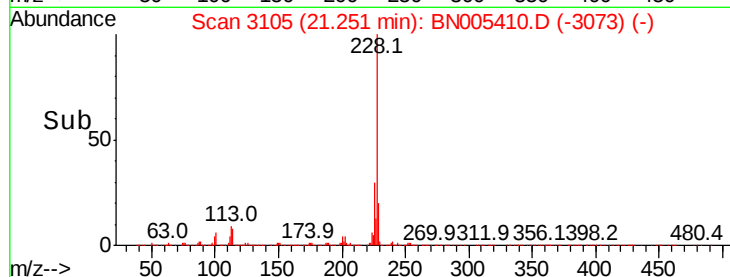
229 21.0 15.4 23.0



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: 2.571 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. -0.01 min

Lab File: BN005410.D

Acq: 01 May 2019 14:46

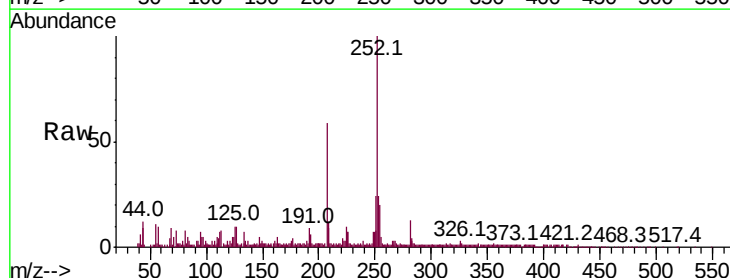
Tgt Ion:252 Resp: 241888

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

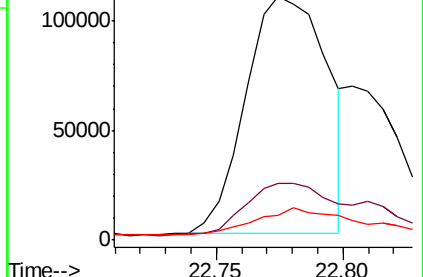
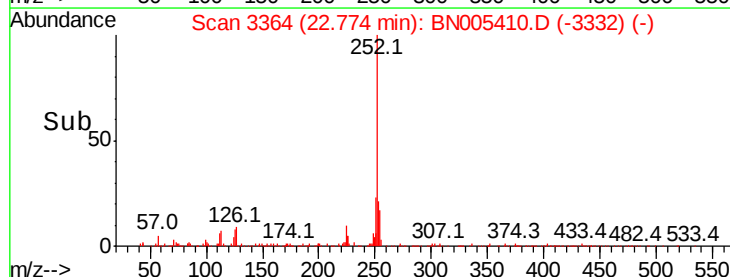
125 10.3 8.4 12.6

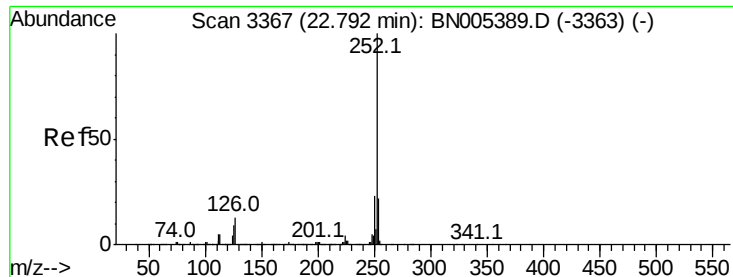


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 2.692 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. -0.05 min

Lab File: BN005410.D

Acq: 01 May 2019 14:46

Instrument :

BNA_N

ClientSampleId :

GAHW2MEDL

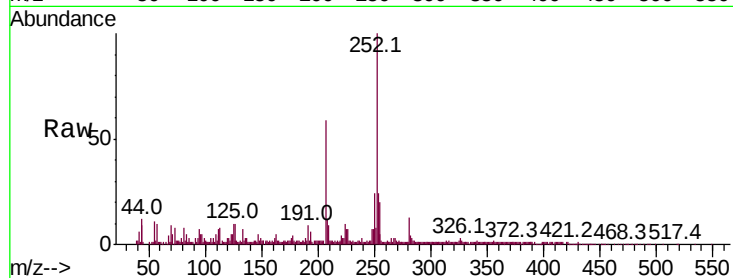
Tot Ion:252 Resp: 241888

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

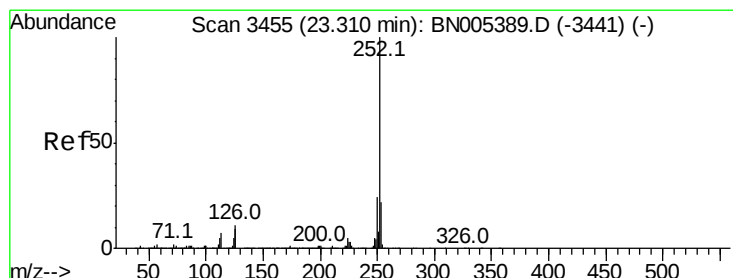
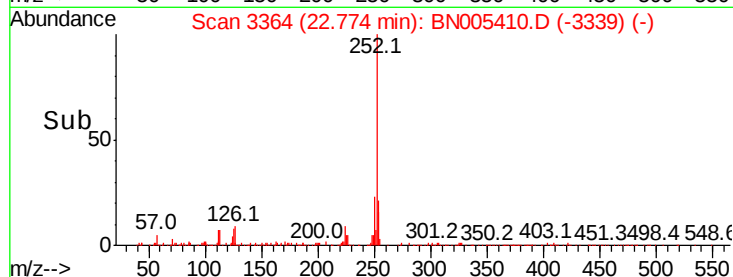
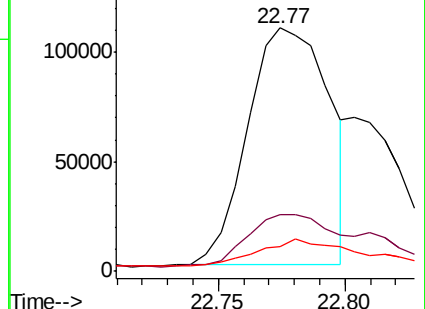
125 10.3 7.5 11.3



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: 2.040 ng/ul

RT: 23.33 min Scan# 3458

Delta R.T. -0.02 min

Lab File: BN005410.D

Acq: 01 May 2019 14:46

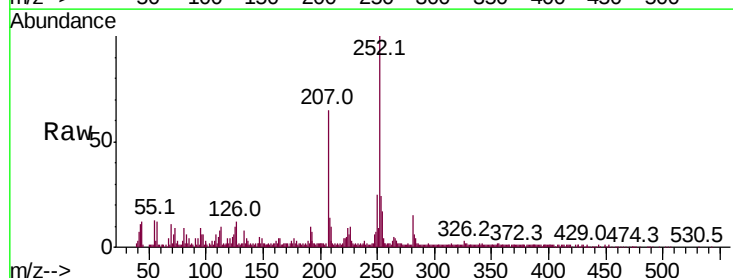
Tgt Ion:252 Resp: 180341

Ion Ratio Lower Upper

252 100

253 24.0 17.3 25.9

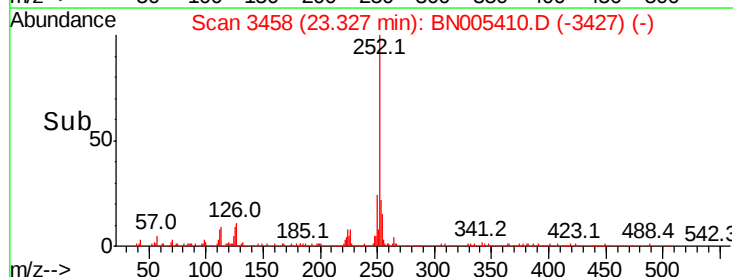
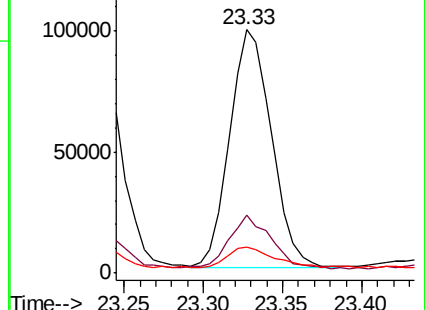
125 10.5 8.6 13.0

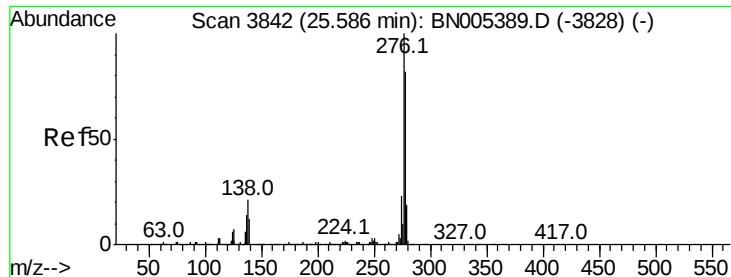


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.030 ng/ul

RT: 25.61 min Scan# 3846

Delta R.T. -0.02 min

Lab File: BN005410.D

Acq: 01 May 2019 14:46

Instrument :

BNA_N

ClientSampleId :

GAHW2MEDL

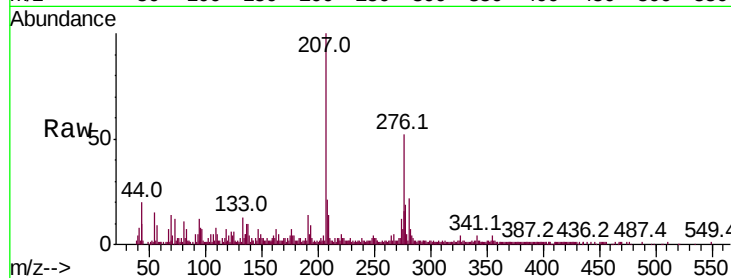
Tot Ion:276 Resp: 100714

Ion Ratio Lower Upper

276 100

138 18.6 17.9 26.9

277 31.0 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

