

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050119\
 Data File : BN005408.D
 Acq On : 01 May 2019 13:37
 Operator : JU/SJ
 Sample : K2456-03ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHS3ME

Quant Time: May 01 23:19:24 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	385963	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	1631334	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.23	164	1003518	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2143443	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1445815	20.00	ng/ul	0.00
85) Perylene-d12	23.43	264	1485610	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	38881	4.86	ng/uL	0.00
5) Phenol-d5	6.78	99	862074	28.44	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	509059	26.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	716809	30.90	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	667953	28.19	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	371271	36.98	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	402324	39.52	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	733313	31.43	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	855596	35.56	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	2189020	30.05	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	2762970	30.88	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	296657	25.79	ng/ul	0.02
57) Fluorene-d10	15.23	176	1880991	30.77	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	58904	6.11	ng/ul	0.02
70) Anthracene-d10	17.09	188	2808234	31.25	ng/ul	0.00
78) Pyrene-d10	19.40	212	2657581	35.93	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	2016807	31.06	ng/ul	-0.01

Target Compounds

					Ovalue
17) Hexachloroethane	8.62	117	60228	5.783	ng/ul# 6
30) 4-Chloroaniline	10.45	127	6958246	283.905	ng/ul# 12
34) 2-Methylnaphthalene	12.05	142	15552958	280.085	ng/ul 100
40) 1,1'-Biphenyl	13.06	154	3171094	42.411	ng/ul 98
44) Dimethylphthalate	13.70	163	496183	6.836	ng/ul 99
47) Acenaphthylene	13.96	152	9307085	105.848	ng/ul# 96
49) Acenaphthene	14.30	153	993997	16.559	ng/ul 99
53) Dibenzofuran	14.63	168	1107415	12.813	ng/ul 100
54) 2,4-Dinitrotoluene	14.60	165	50147	2.775	ng/ul# 41
58) Fluorene	15.29	166	6741025	99.957	ng/ul 97
60) 4-Nitroaniline	15.29	138	76052	5.236	ng/ul# 14
69) Phenanthrene	17.13	178	7173480	68.719	ng/ul 99
71) Anthracene	17.13	178	7169631	67.421	ng/ul 99
74) Carbazole	17.39	167	208526	2.283	ng/ul# 92
76) Fluoranthene	19.07	202	10553011	91.141	ng/ul 98
79) Pyrene	19.44	202	13446053	144.439	ng/ul 98
82) Benzo(a)anthracene	21.26	228	3998043	44.450	ng/ul 95
84) Chrysene	21.26	228	3999750	47.914	ng/ul 99
87) Benzo(b)fluoranthene	22.78	252	3008374	36.024	ng/ul 98
88) Benzo(k)fluoranthene	22.78	252	3008374	37.719	ng/ul 99
90) Benzo(a)pyrene	23.24	252	1622414	20.669	ng/ul 98
91) Indeno(1,2,3-cd)pyrene	25.62	276	1266078	14.589	ng/ul# 95
92) Dibenzo(a,h)anthracene	25.62	278	375681	5.101	ng/ul 96

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration

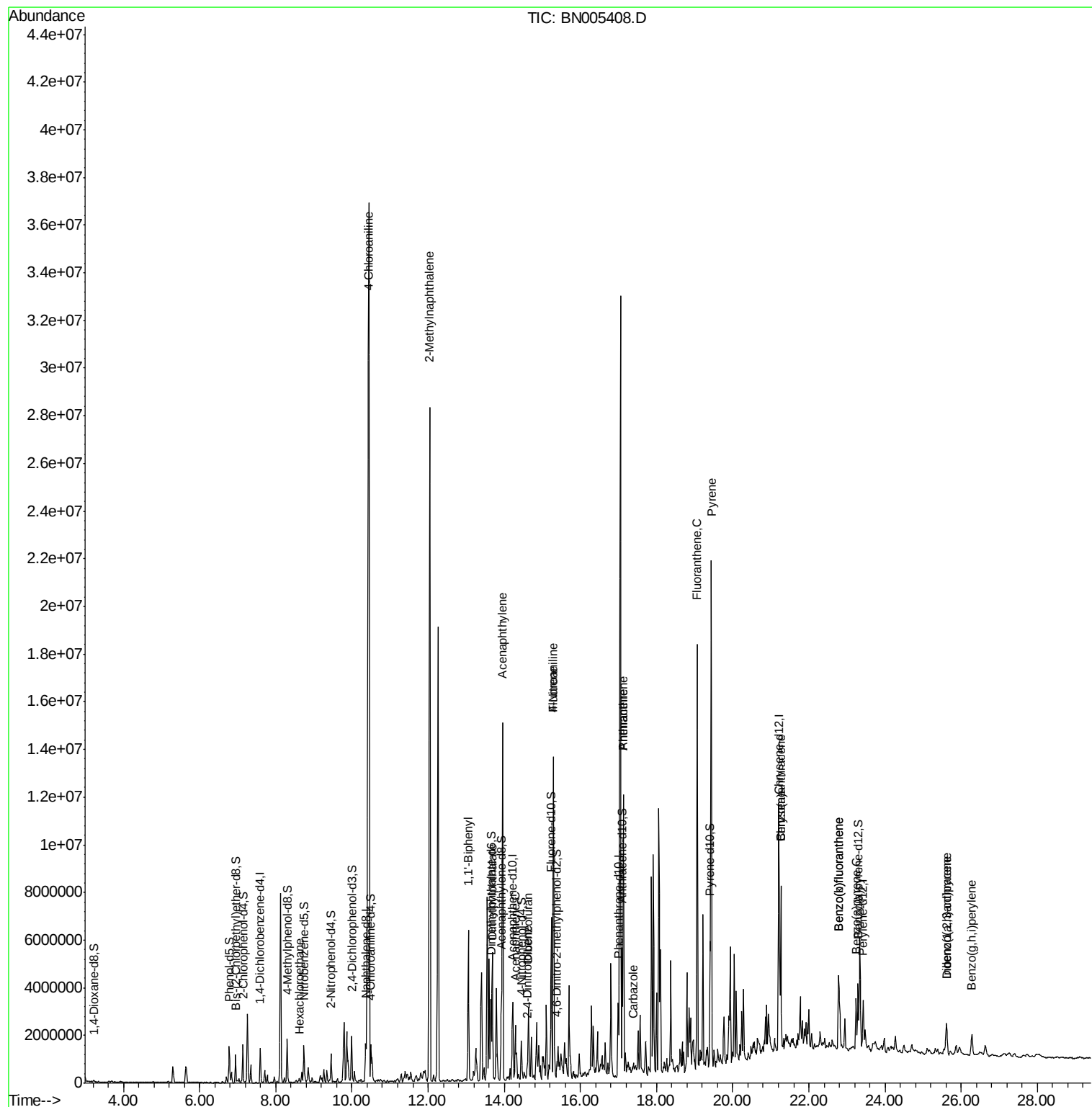
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(q,h,i)perylene	26.28	276	1065275	14.845	ng/ul	95

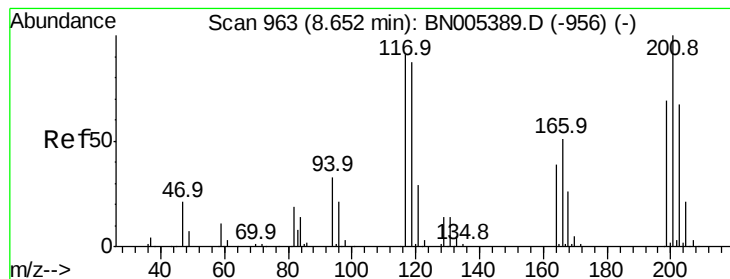
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#17

Hexachloroethane

Concen: 5.783 ng/ul

RT: 8.62 min Scan# 958

Delta R.T. -0.04 min

Lab File: BN005408.D

Acq: 01 May 2019 13:37

Instrument :

BNA_N

ClientSampleId :

GAHS3ME

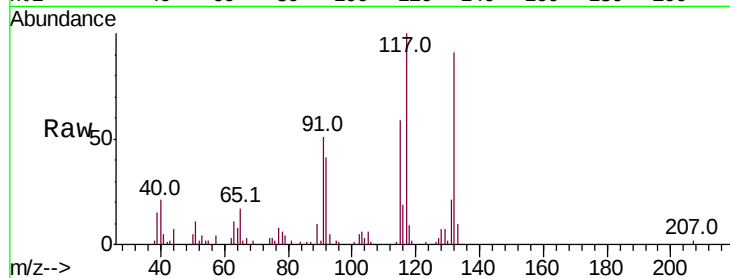
Tot Ion:117 Resp: 60228

Ion Ratio Lower Upper

117 100

201 0.0 84.1 126.1#

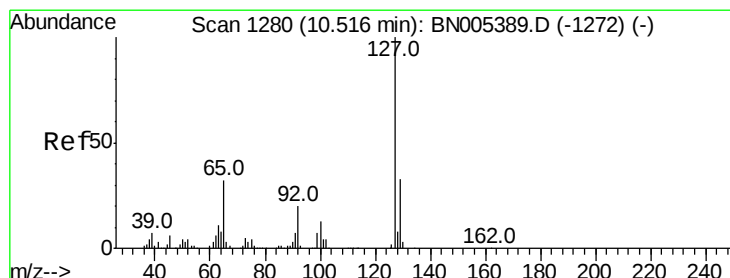
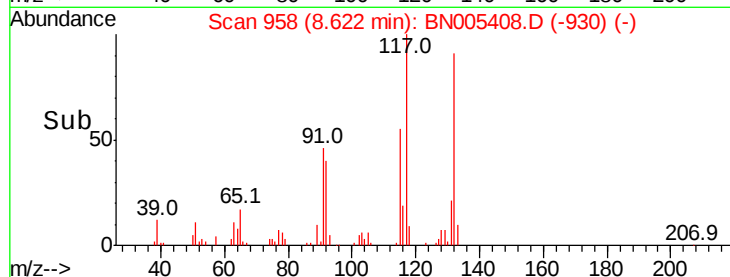
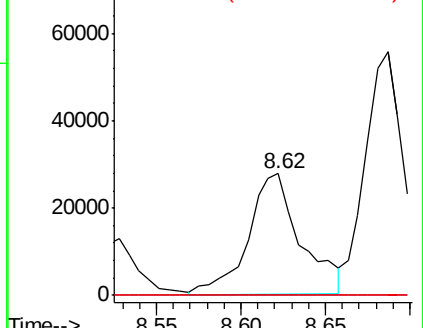
199 0.0 51.2 76.8#



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



#30

4-Chloroaniline

Concen: 283.905 ng/ul

RT: 10.45 min Scan# 1268

Delta R.T. -0.08 min

Lab File: BN005408.D

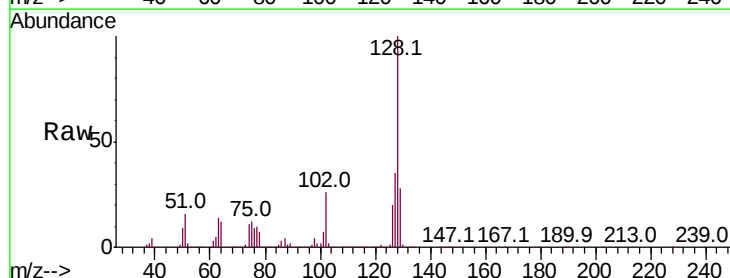
Acq: 01 May 2019 13:37

Tgt Ion:127 Resp: 6958246

Ion Ratio Lower Upper

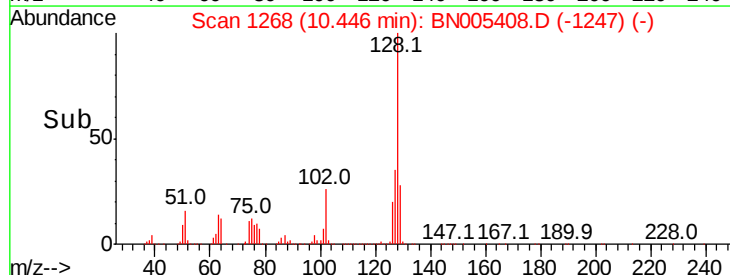
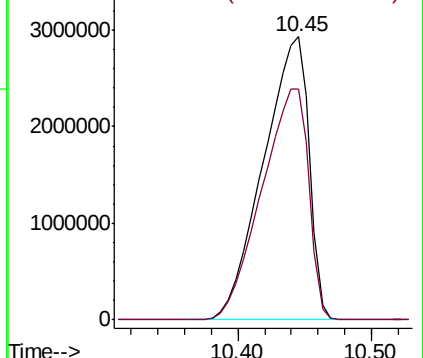
127 100

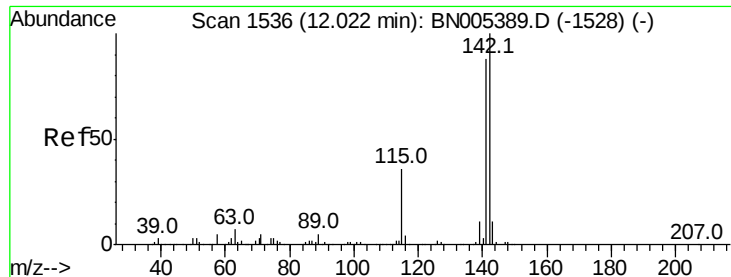
129 81.4 25.8 38.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

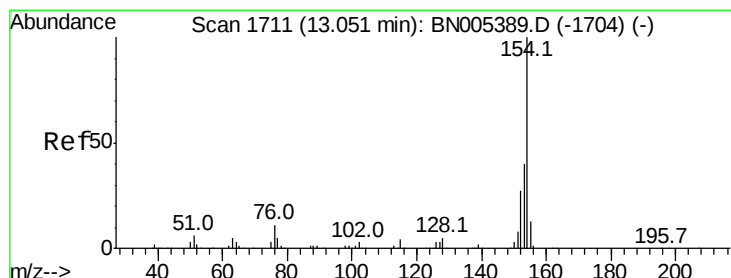
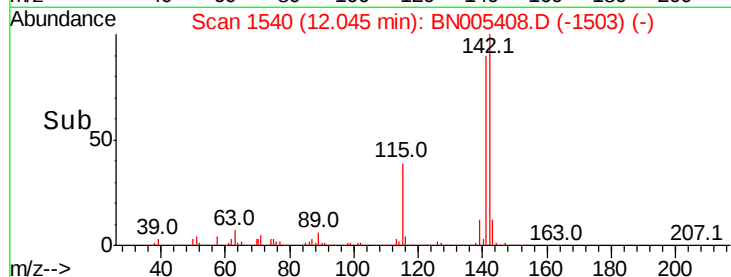
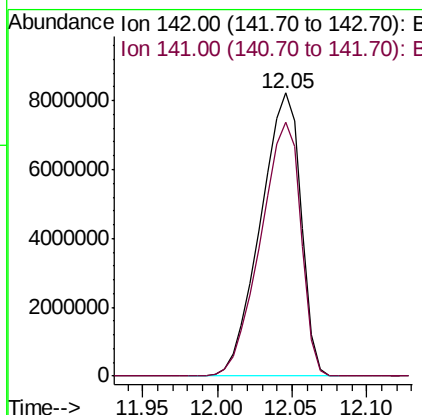
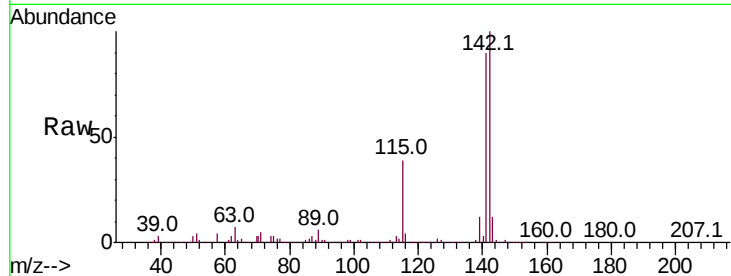




#34
 2-Methylnaphthalene
 Concen: 280.085 ng/ul
 RT: 12.05 min Scan# 1540
 Delta R.T. 0.02 min
 Lab File: BN005408.D
 Acq: 01 May 2019 13:37

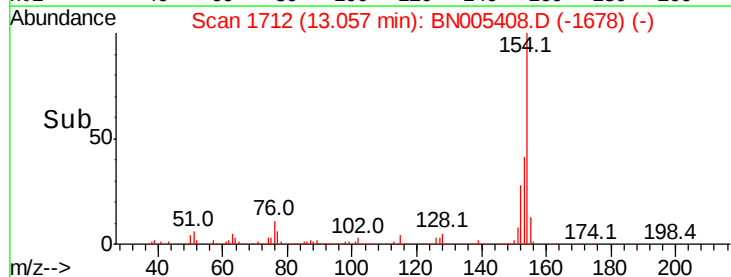
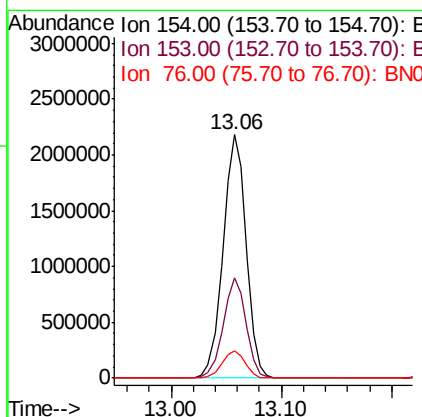
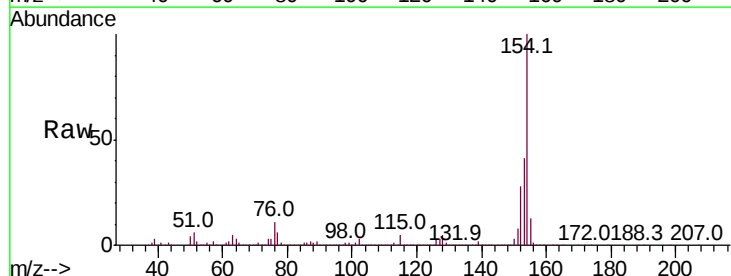
Instrument :
 BNA_N
 ClientSampleId :
 GAHS3ME

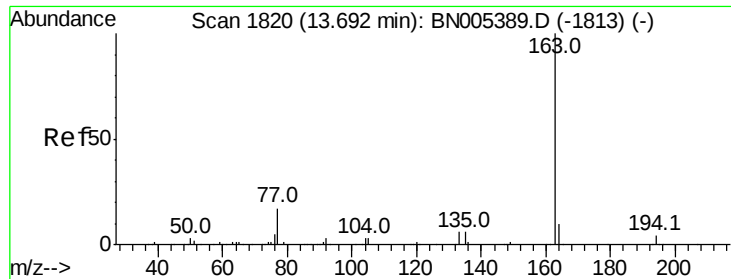
Tot Ion:142 Resp:15552958
 Ion Ratio Lower Upper
 142 100
 141 89.9 72.0 108.0



#40
 1,1'-Biphenyl
 Concen: 42.411 ng/ul
 RT: 13.06 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: BN005408.D
 Acq: 01 May 2019 13:37

Tgt Ion:154 Resp: 3171094
 Ion Ratio Lower Upper
 154 100
 153 41.3 32.6 49.0
 76 11.4 10.4 15.6





#44

Dimethylphthalate

Concen: 6.836 ng/ul

RT: 13.70 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BN005408.D

Acq: 01 May 2019 13:37

Instrument :

BNA_N

ClientSampleId :

GAHS3ME

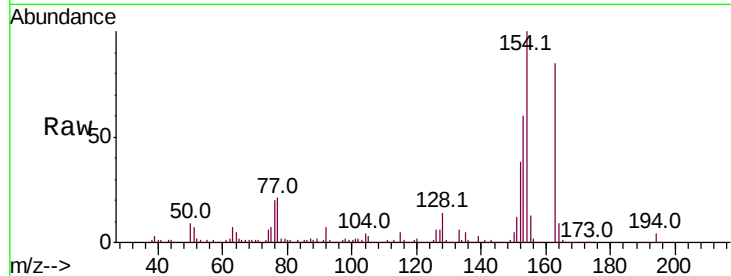
Tot Ion:163 Resp: 496183

Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.0

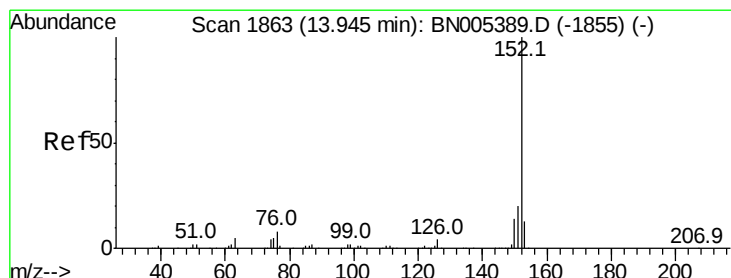
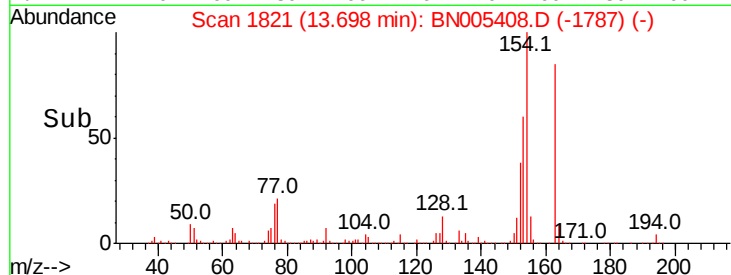
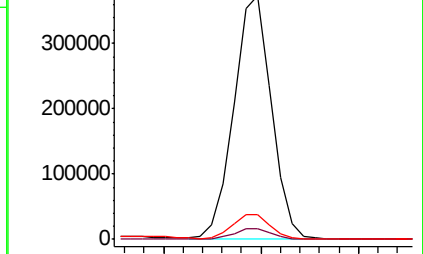
164 10.3 8.1 12.1



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: 105.848 ng/ul

RT: 13.96 min Scan# 1865

Delta R.T. 0.01 min

Lab File: BN005408.D

Acq: 01 May 2019 13:37

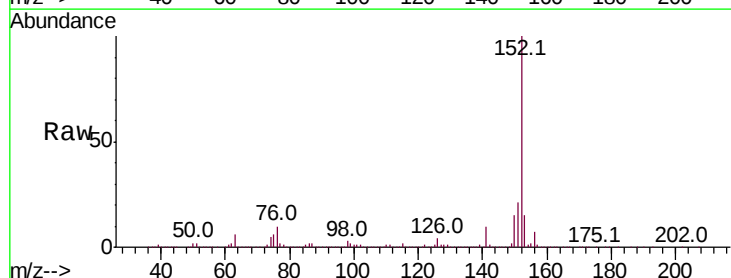
Tgt Ion:152 Resp: 9307085

Ion Ratio Lower Upper

152 100

151 21.1 15.8 23.8

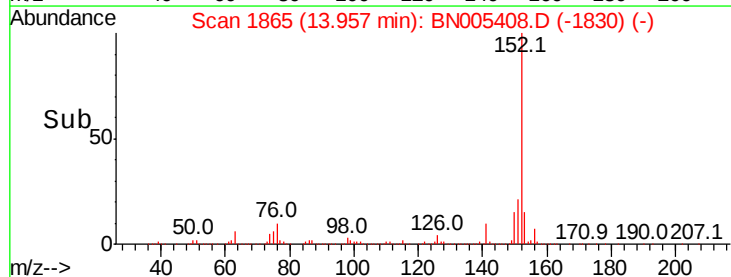
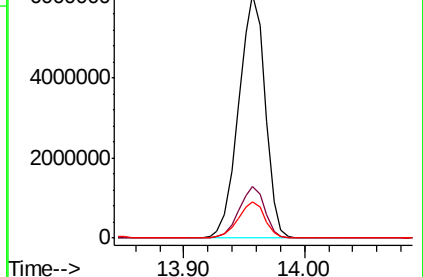
153 14.8 9.8 14.8#

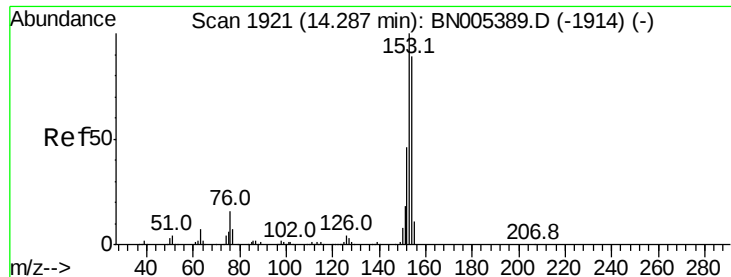


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 16.559 ng/ul

RT: 14.30 min Scan# 1923

Delta R.T. 0.00 min

Lab File: BN005408.D

Acq: 01 May 2019 13:37

Instrument :

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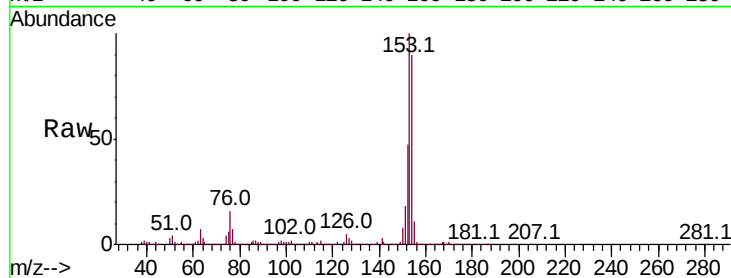
Tot Ion:153 Resp: 993997

Ion Ratio Lower Upper

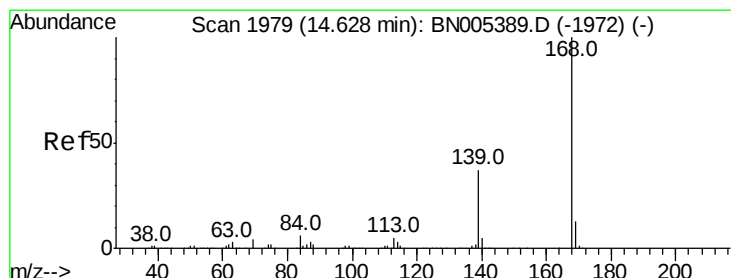
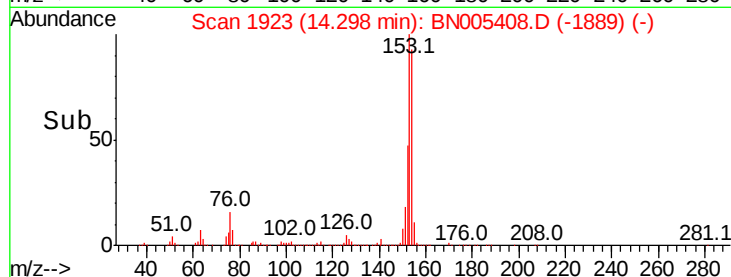
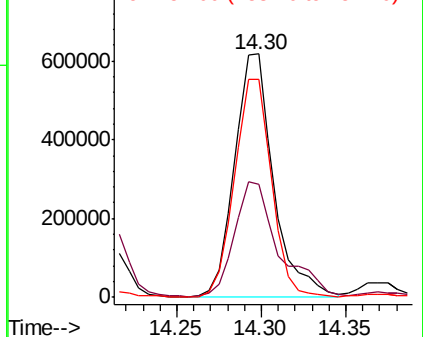
153 100

152 46.6 37.4 56.0

154 89.7 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

Dibenzofuran

Concen: 12.813 ng/ul

RT: 14.63 min Scan# 1980

Delta R.T. 0.00 min

Lab File: BN005408.D

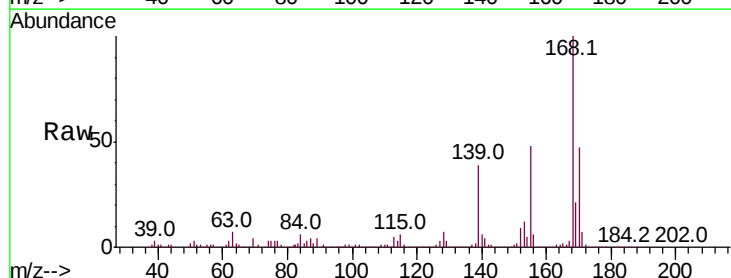
Acq: 01 May 2019 13:37

Tgt Ion:168 Resp: 1107415

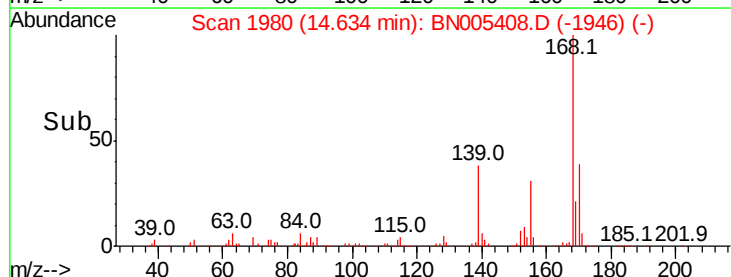
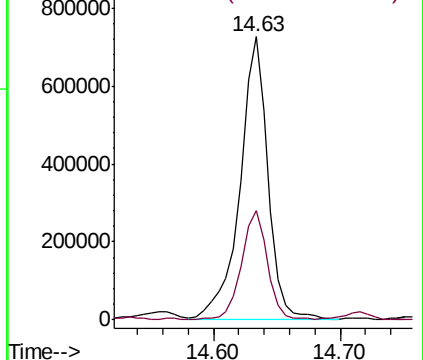
Ion Ratio Lower Upper

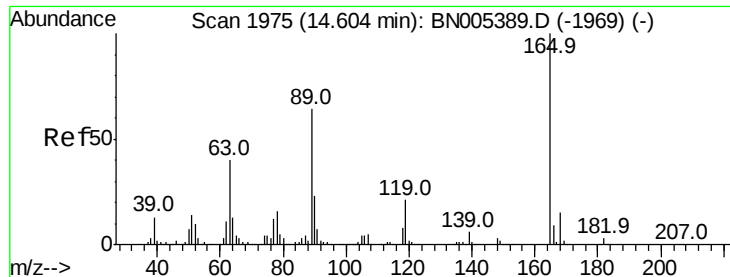
168 100

139 38.7 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#54

2,4-Dinitrotoluene

Concen: 2.775 ng/ul

RT: 14.60 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BN005408.D

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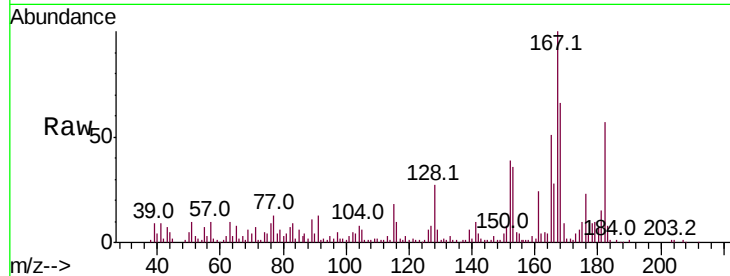
Tot Ion:165 Resp: 50147

Ion Ratio Lower Upper

165 100

63 20.4 38.9 58.3#

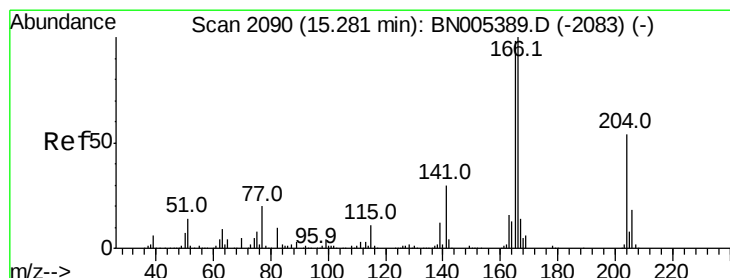
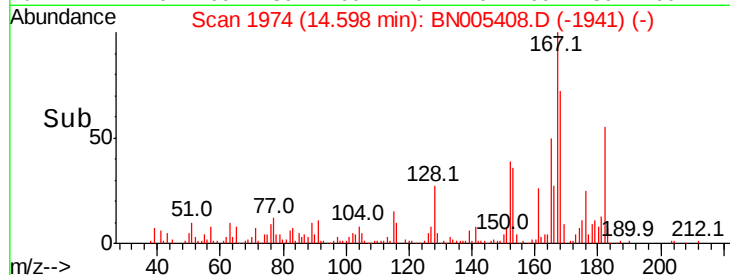
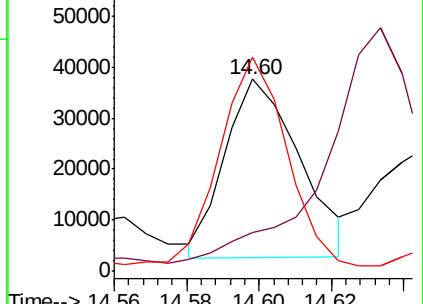
182 111.5 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BN0

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 99.957 ng/ul

RT: 15.29 min Scan# 2092

Delta R.T. 0.01 min

Lab File: BN005408.D

Acq: 01 May 2019 13:37

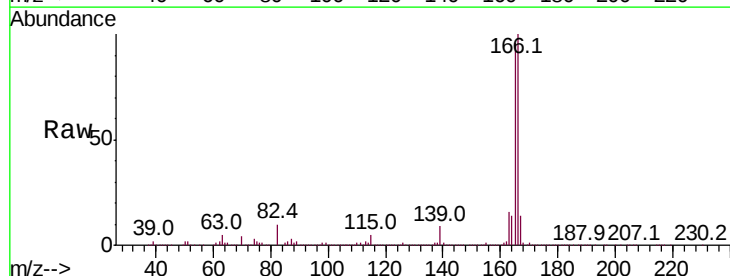
Tgt Ion:166 Resp: 6741025

Ion Ratio Lower Upper

166 100

165 96.5 80.0 120.0

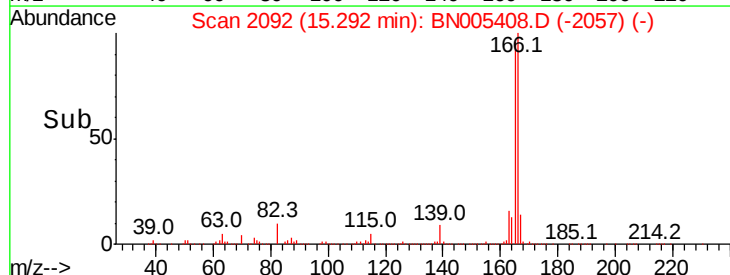
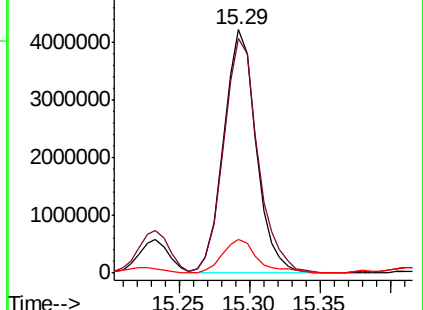
167 13.9 10.7 16.1

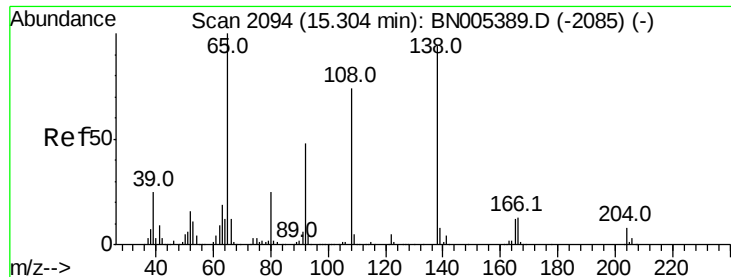


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#60

4-Nitroaniline

Concen: 5.236 ng/ul

RT: 15.29 min Scan# 2092

Delta R.T. -0.01 min

Lab File: BN005408.D

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Instrument :

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GAHS3ME

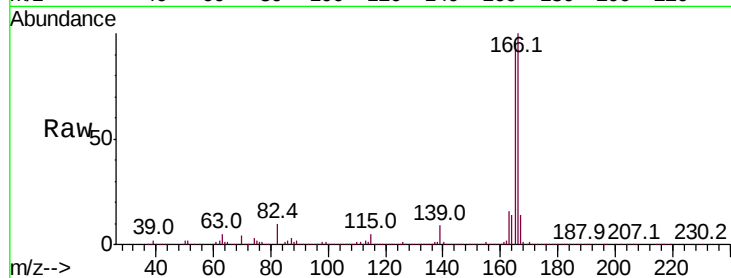
Tot Ion:138 Resp: 76052

Ion Ratio Lower Upper

138 100

92 1.6 45.3 67.9#

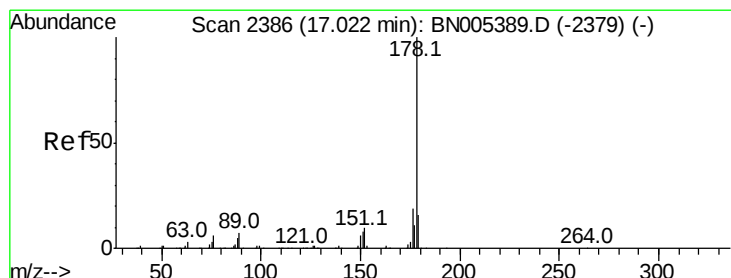
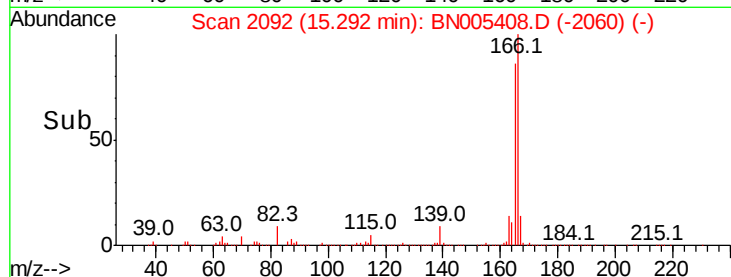
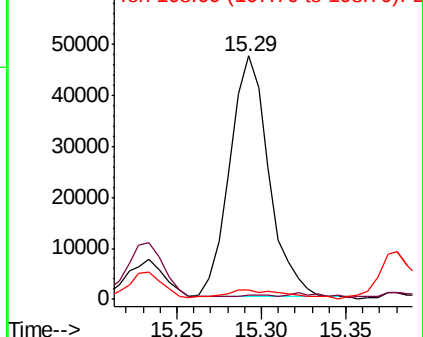
108 3.8 73.2 109.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): B

Ion 108.00 (107.70 to 108.70): E



#69

Phenanthrene

Concen: 68.719 ng/ul

RT: 17.13 min Scan# 2404

Delta R.T. 0.10 min

Lab File: BN005408.D

Acq: 01 May 2019 13:37

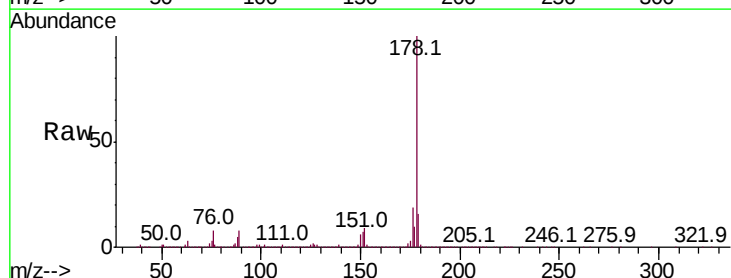
Tgt Ion:178 Resp: 7173480

Ion Ratio Lower Upper

178 100

179 16.0 12.2 18.4

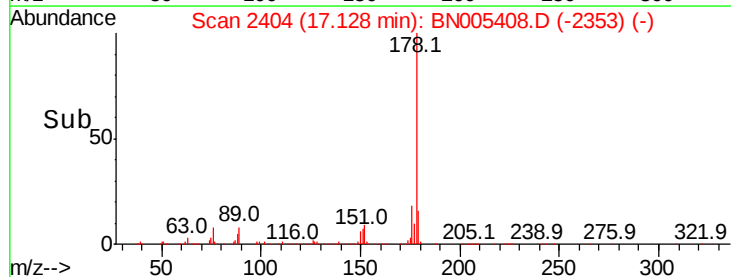
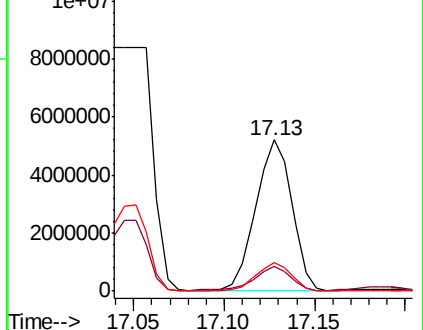
176 18.5 15.1 22.7

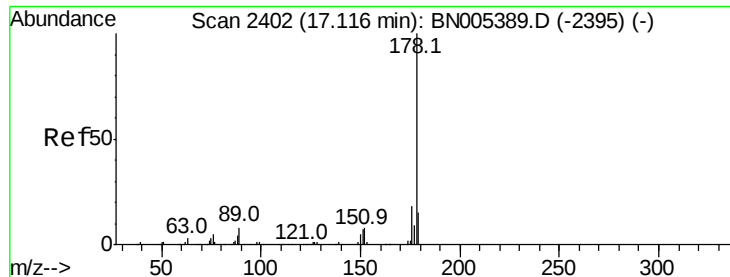


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



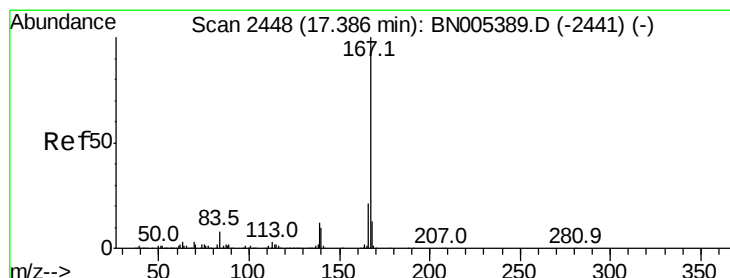
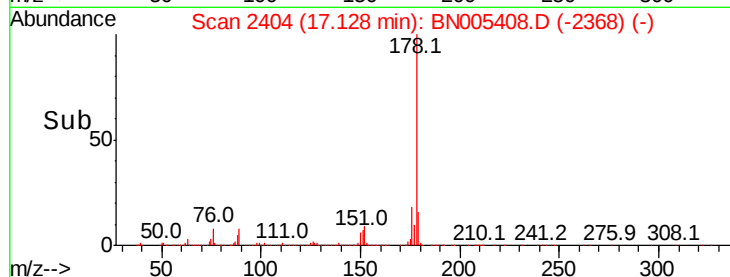
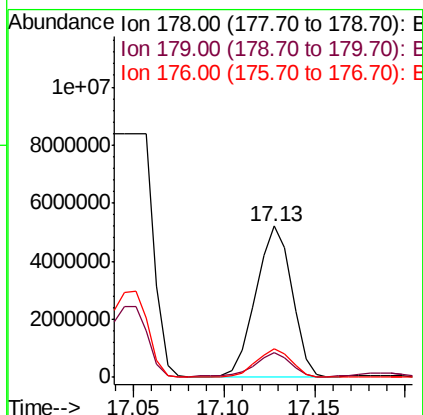
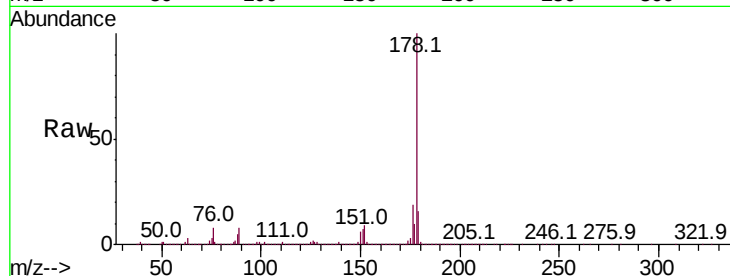


#71
 Anthracene
 Concen: 67.421 ng/ul
 RT: 17.13 min Scan# 2404
 Delta R.T. 0.01 min
 Lab File: BN005408.D
 Acq: 01 May 2019 13:37

Instrument :
 BNA_N
 ClientSampleId :
 GAHS3ME

Tot Ion:178 Resp: 7169631

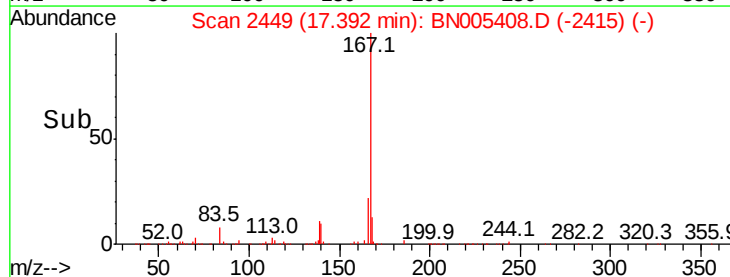
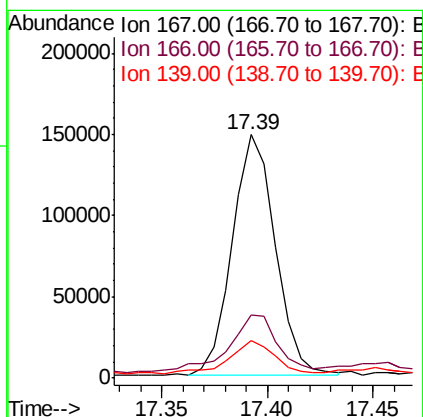
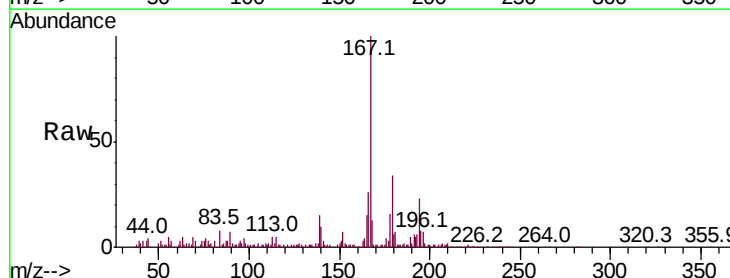
Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.3	18.5
176	18.5	15.1	22.7

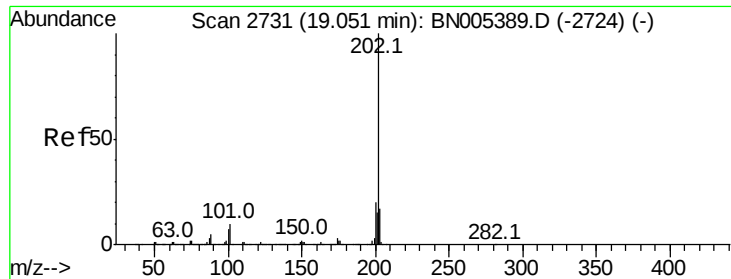


#74
 Carbazole
 Concen: 2.283 ng/ul
 RT: 17.39 min Scan# 2449
 Delta R.T. 0.00 min
 Lab File: BN005408.D
 Acq: 01 May 2019 13:37

Tgt Ion:167 Resp: 208526

Ion	Ratio	Lower	Upper
167	100		
166	25.9	17.2	25.8#
139	15.2	10.6	16.0

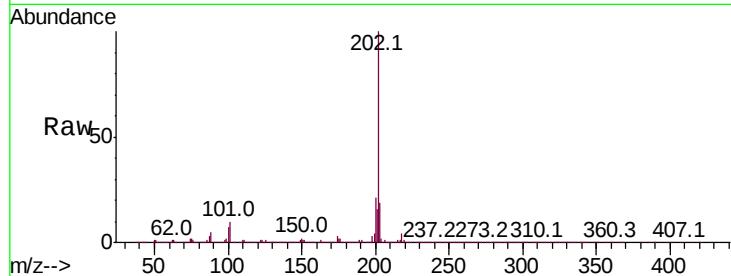




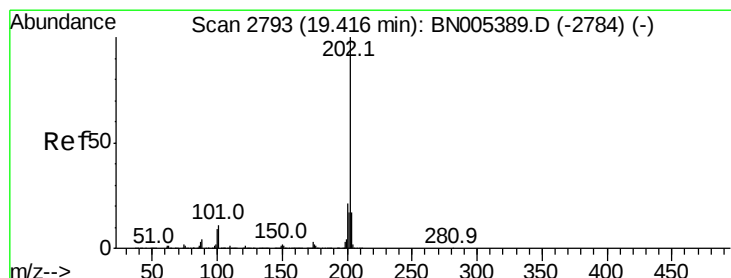
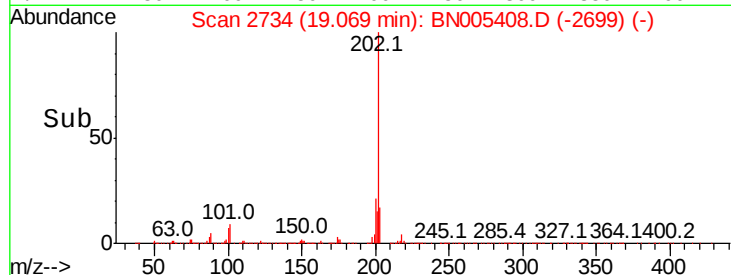
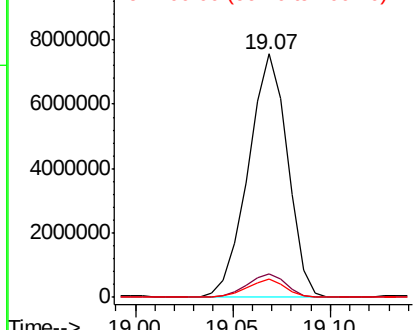
#76
Fluoranthene
Concen: 91.141 ng/ul
RT: 19.07 min Scan# 2734
Delta R.T. 0.01 min
Lab File: BN005408.D
Acq: 01 May 2019 13:37

Instrument :
BNA_N
ClientSampleId :
GAHS3ME

Tot Ion:202 Resp:10553011
Ion Ratio Lower Upper
202 100
101 9.8 8.6 12.8
100 7.3 6.3 9.5

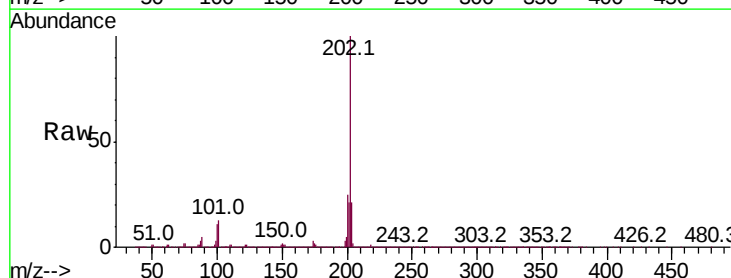


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

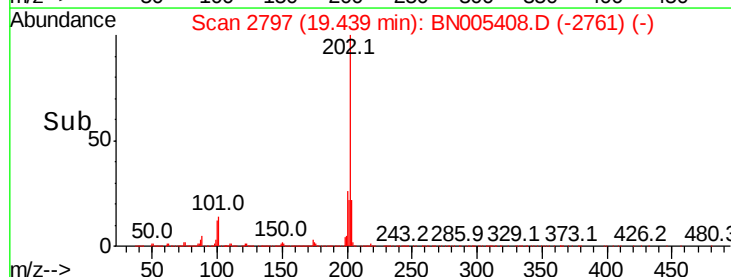
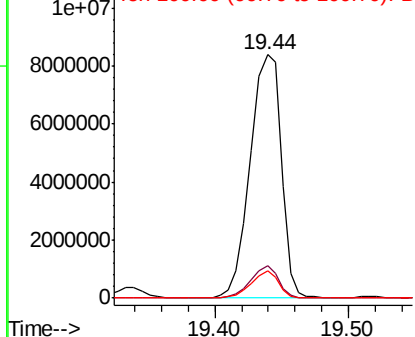


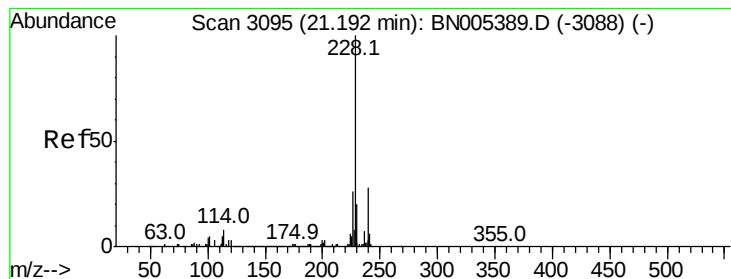
#79
Pyrene
Concen: 144.439 ng/ul
RT: 19.44 min Scan# 2797
Delta R.T. 0.01 min
Lab File: BN005408.D
Acq: 01 May 2019 13:37

Tgt Ion:202 Resp:13446053
Ion Ratio Lower Upper
202 100
101 13.2 10.3 15.5
100 11.0 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: 44.450 ng/ul

RT: 21.26 min Scan# 3107

Delta R.T. 0.05 min

Lab File: BN005408.D

Acq: 01 May 2019 13:37

Instrument :

BNA_N

ClientSampleId :

GAHS3ME

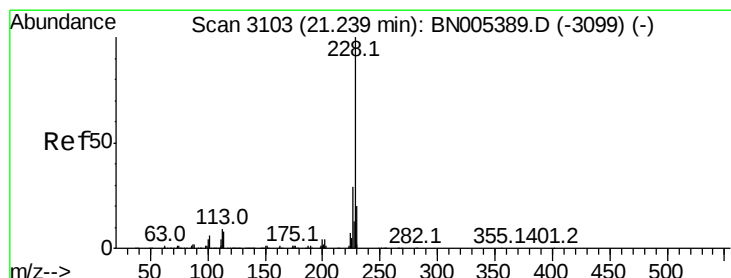
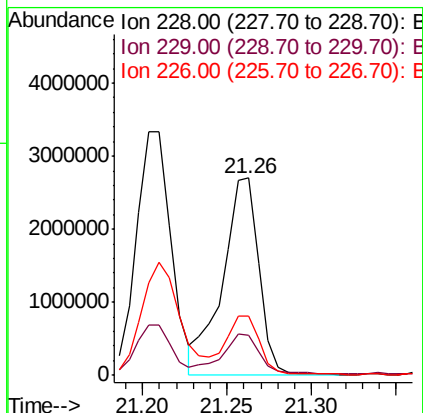
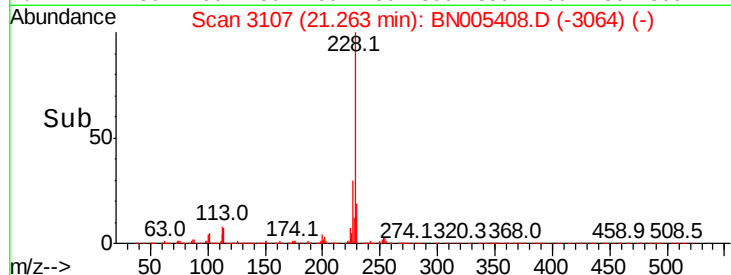
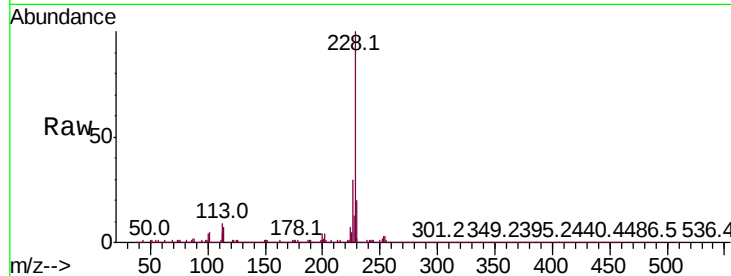
Tot Ion:228 Resp: 3998043

Ion Ratio Lower Upper

228 100

229 20.5 15.8 23.6

226 30.3 21.4 32.2



#84

Chrysene

Concen: 47.914 ng/ul

RT: 21.26 min Scan# 3107

Delta R.T. 0.00 min

Lab File: BN005408.D

Acq: 01 May 2019 13:37

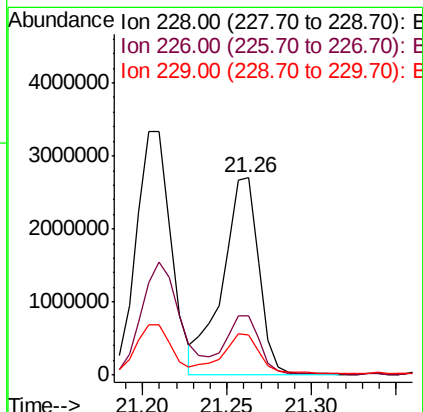
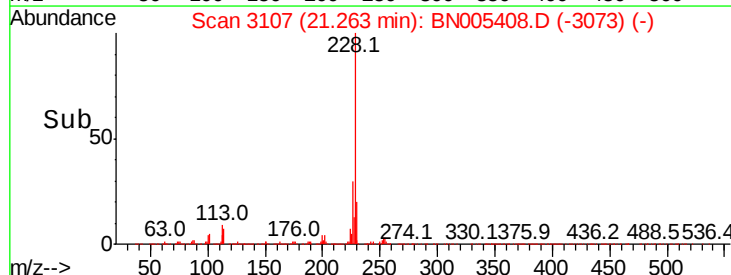
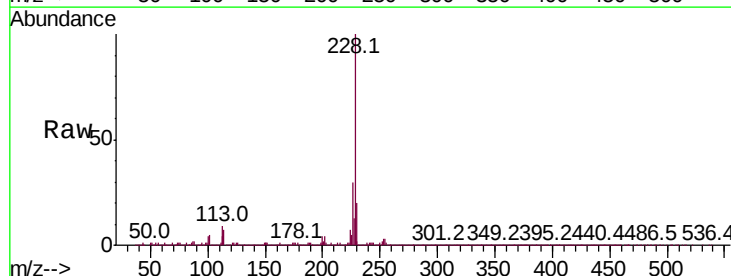
Tgt Ion:228 Resp: 3999750

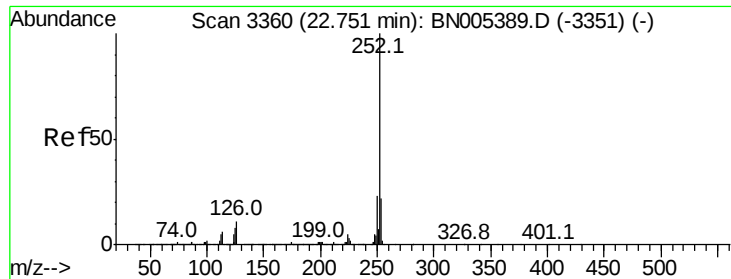
Ion Ratio Lower Upper

228 100

226 30.3 24.0 36.0

229 20.5 15.4 23.0





#87

Benzo(b)fluoranthene

Concen: 36.024 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. -0.01 min

Lab File: BN005408.D

Acq: 01 May 2019 13:37

Instrument :

BNA_N

ClientSampleId :

GAHS3ME

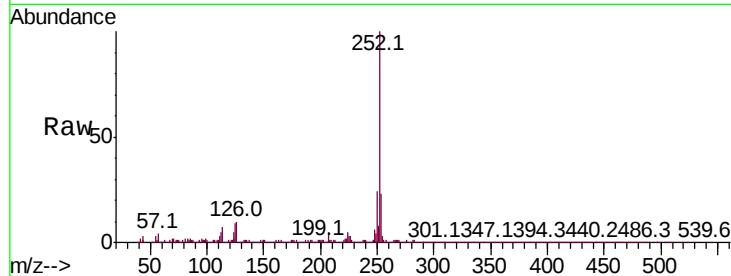
Tot Ion:252 Resp: 3008374

Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

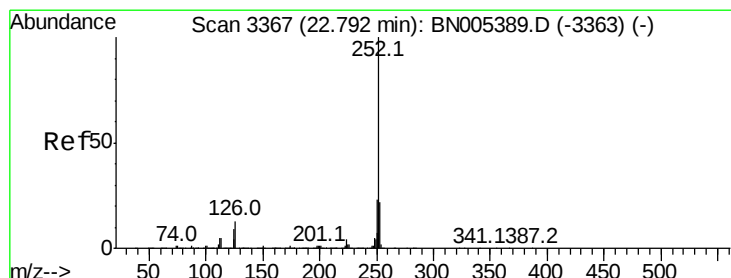
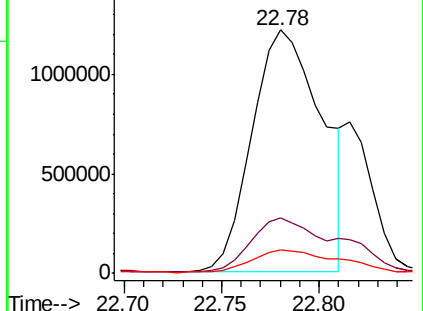
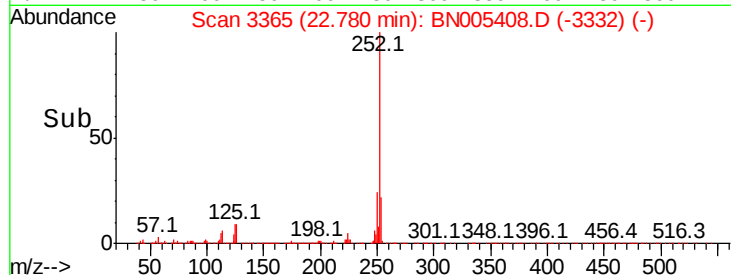
125 9.4 8.4 12.6



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: 37.719 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. -0.05 min

Lab File: BN005408.D

Acq: 01 May 2019 13:37

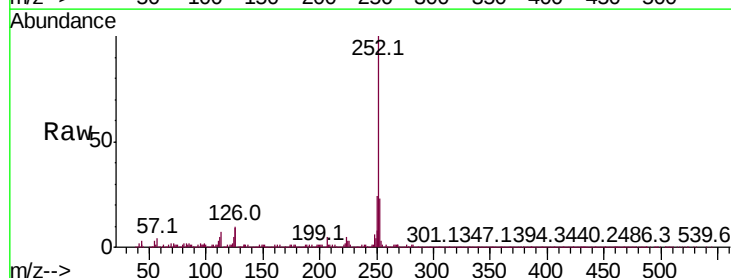
Tgt Ion:252 Resp: 3008374

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

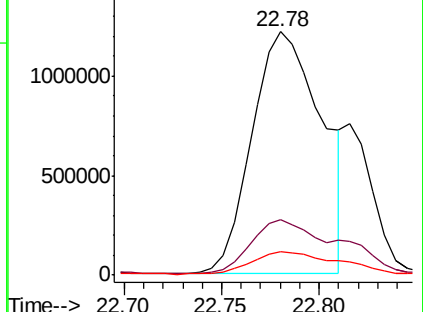
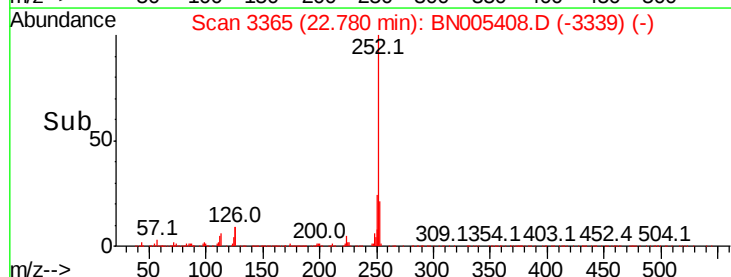
125 9.4 7.5 11.3

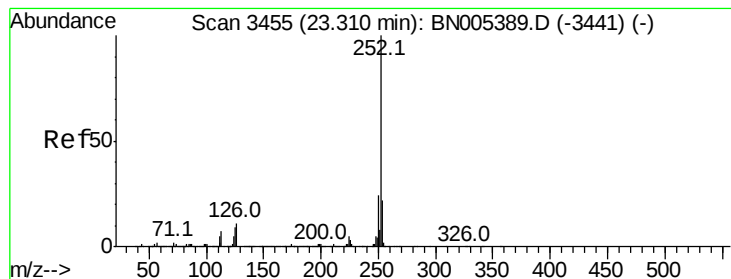


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 20.669 ng/ul

RT: 23.24 min Scan# 3444

Delta R.T. -0.10 min

Lab File: BN005408.D

Acq: 01 May 2019 13:37

Instrument :

BNA_N

ClientSampleId :

GAHS3ME

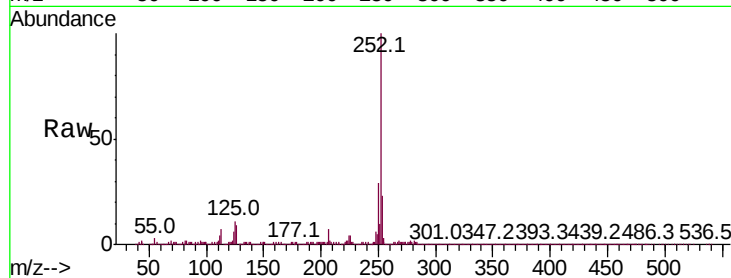
Tot Ion:252 Resp: 1622414

Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

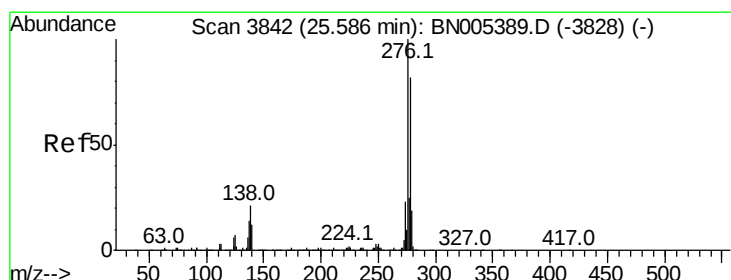
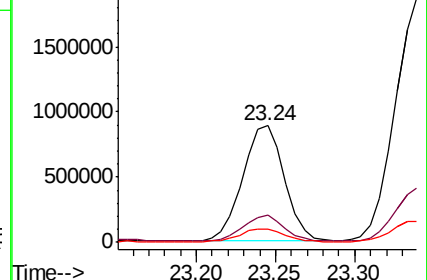
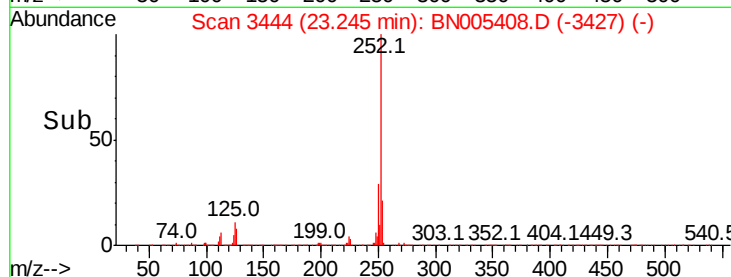
125 11.5 8.6 13.0



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: 14.589 ng/ul

RT: 25.62 min Scan# 3847

Delta R.T. -0.01 min

Lab File: BN005408.D

Acq: 01 May 2019 13:37

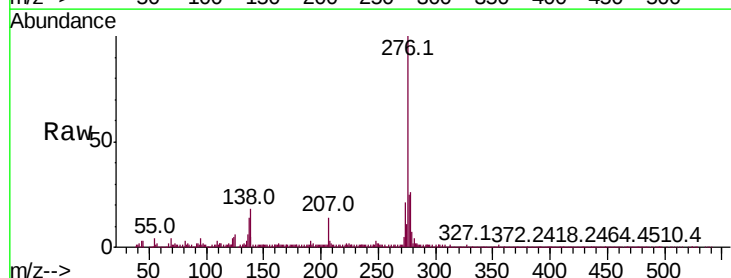
Tgt Ion:276 Resp: 1266078

Ion Ratio Lower Upper

276 100

138 17.6 17.9 26.9#

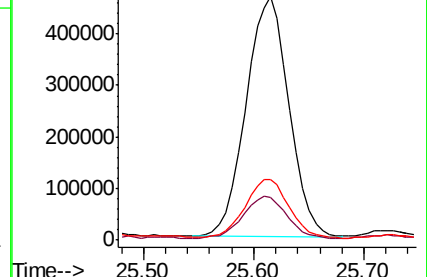
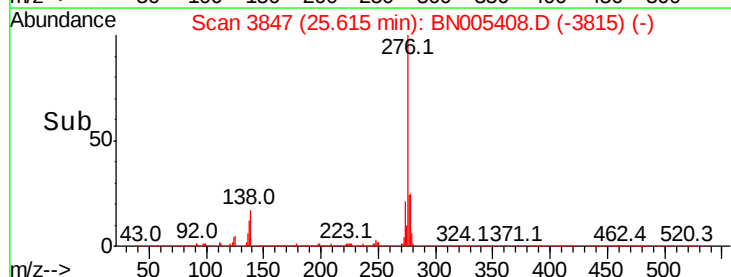
277 24.8 19.7 29.5

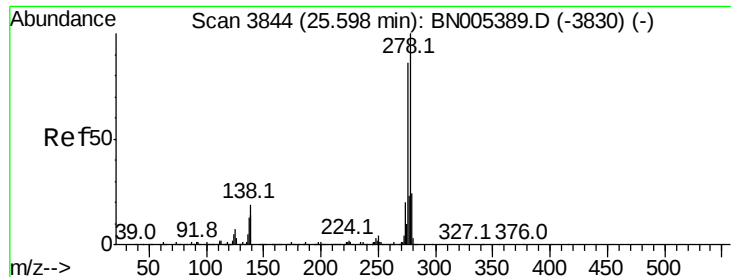


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 5.101 ng/ul

RT: 25.62 min Scan# 3847

Delta R.T. -0.02 min

Lab File: BN005408.D

Acq: 01 May 2019 13:37

Instrument :

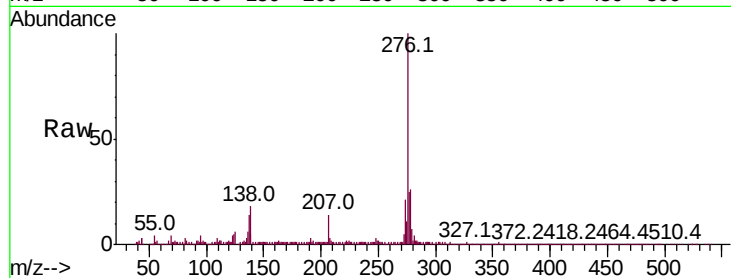
BNA_N

ClientSampleId :

GAHS3ME

Tot Ion:278 Resp: 375681

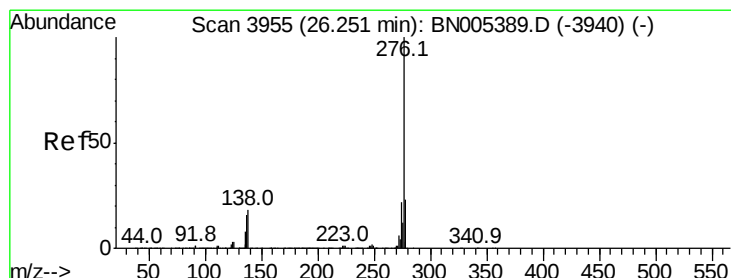
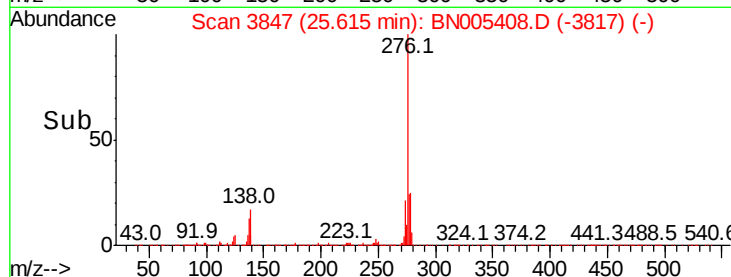
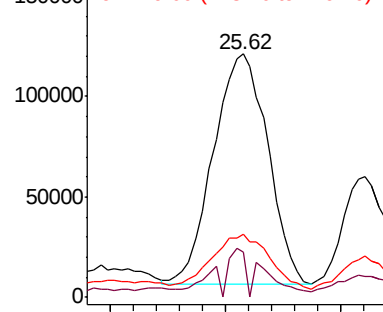
Ion	Ratio	Lower	Upper
278	100		
139	18.4	13.1	19.7
279	25.8	19.4	29.0



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: 14.845 ng/ul

RT: 26.28 min Scan# 3960

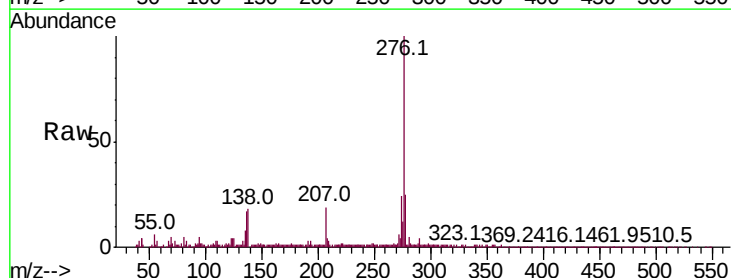
Delta R.T. -0.01 min

Lab File: BN005408.D

Acq: 01 May 2019 13:37

Tgt Ion:276 Resp: 1065275

Ion	Ratio	Lower	Upper
276	100		
138	17.9	16.7	25.1
277	24.9	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

