

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN043019\
 Data File : BN005384.D
 Acq On : 30 Apr 2019 22:32
 Operator : JU/SJ
 Sample : K2481-17ME
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHXOME

Quant Time: May 01 00:45:28 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	331494	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1432611	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	949535	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	2217442	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	2283975	20.00	ng/ul	-0.02
85) Perylene-d12	23.40	264	2359868	20.00	ng/ul	-0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	37230	5.42	ng/uL	0.00
5) Phenol-d5	6.78	99	803262	30.85	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	489830	30.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	660257	33.14	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	594074	29.19	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	370305	42.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	412116	46.10	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	698705	34.10	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	942522	44.60	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	2382397	34.56	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	2890218	34.14	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	367765	33.79	ng/ul	0.00
57) Fluorene-d10	15.23	176	2047453	35.39	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	373194	37.42	ng/ul	0.00
70) Anthracene-d10	17.08	188	3344068	35.97	ng/ul	0.00
78) Pyrene-d10	19.39	212	3977946	34.05	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.26	264	3832926	37.17	ng/ul	-0.04

Target Compounds

					Ovalue	
4) Benzaldehyde	6.76	77	20187	1.094	ng/ul#	1
17) Hexachloroethane	8.68	117	188003	21.018	ng/ul#	6
30) 4-Chloroaniline	10.43	127	4661443	216.575	ng/ul#	10
32) Caprolactam	11.40	113	8757	1.431	ng/ul	81
34) 2-Methylnaphthalene	12.04	142	19277435	395.312	ng/ul	96
40) 1,1'-Biphenyl	13.05	154	1646781	23.276	ng/ul	98
42) 2-Nitroaniline	13.25	65	29549	2.047	ng/ul#	27
44) Dimethylphthalate	13.69	163	487072	7.092	ng/ul	100
47) Acenaphthylene	13.95	152	6765469	81.317	ng/ul#	97
49) Acenaphthene	14.29	153	576902	10.157	ng/ul	99
53) Dibenzofuran	14.63	168	820362	10.032	ng/ul	95
54) 2,4-Dinitrotoluene	14.60	165	54824	3.207	ng/ul#	58
58) Fluorene	15.29	166	3454284	54.132	ng/ul	98
60) 4-Nitroaniline	15.29	138	38893	2.830	ng/ul#	15
64) N-Nitrosodiphenylamine	15.50	169	63661	1.049	ng/ul#	28
69) Phenanthrene	17.03	178	13850443	128.253	ng/ul	93
71) Anthracene	17.12	178	3173494	28.847	ng/ul	99
76) Fluoranthene	19.05	202	3107277	25.941	ng/ul	98
79) Pyrene	19.42	202	4881437	33.194	ng/ul	97
82) Benzo(a)anthracene	21.24	228	1572087	11.064	ng/ul	96
84) Chrysene	21.24	228	1584773	12.018	ng/ul	98
87) Benzo(b)fluoranthene	22.74	252	862644	6.503	ng/ul	96
88) Benzo(k)fluoranthene	22.74	252	862644	6.809	ng/ul	97

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

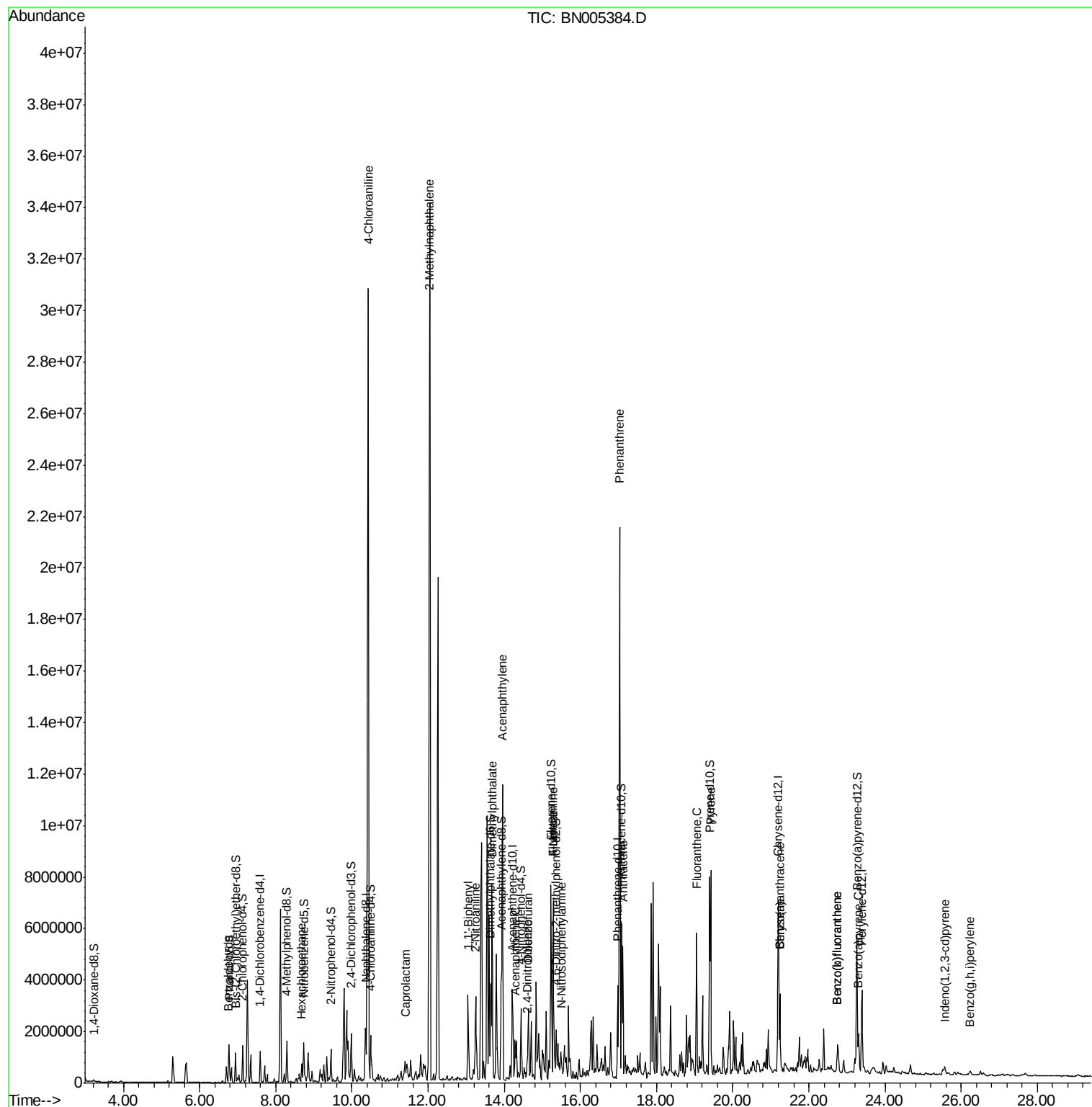
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(a)pyrene	23.30	252	991535	7.952	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.57	276	273520	1.984	ng/ul	95
93) Benzo(g,h,i)perylene	26.23	276	192795	1.691	ng/ul	97

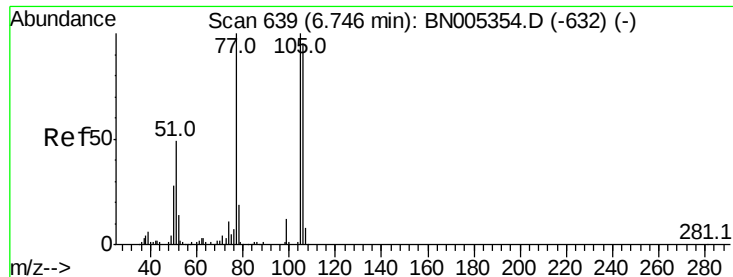
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.094 ng/ul

RT: 6.76 min Scan# 641

Delta R.T. 0.01 min

Lab File: BN005384.D

Acq: 30 Apr 2019 22:32

Instrument :

BNA_N

ClientSampleId :

GAHX0ME

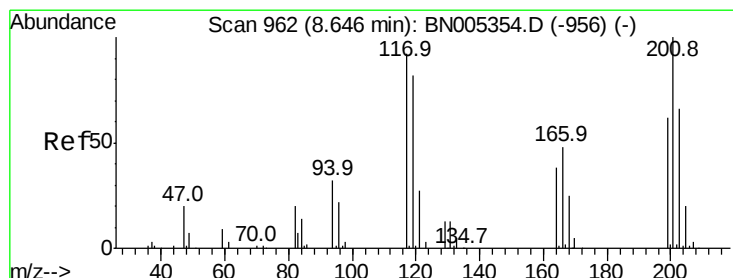
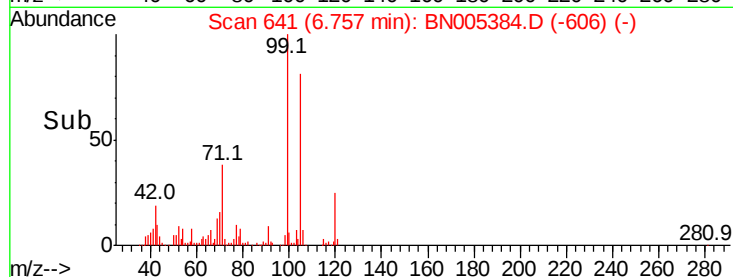
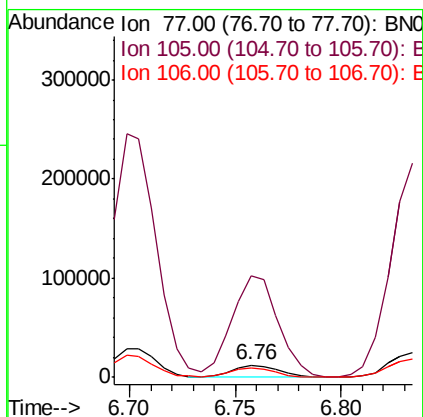
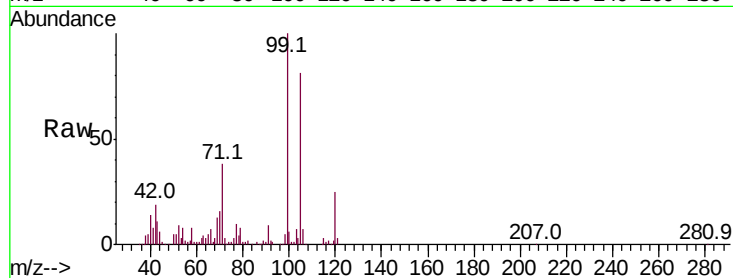
Tot Ion: 77 Resp: 20187

Ion Ratio Lower Upper

77 100

105 830.4 77.4 116.2#

106 76.6 76.3 114.5



#17

Hexachloroethane

Concen: 21.018 ng/ul

RT: 8.68 min Scan# 968

Delta R.T. 0.02 min

Lab File: BN005384.D

Acq: 30 Apr 2019 22:32

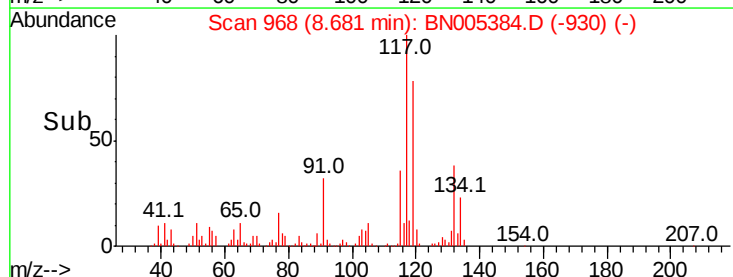
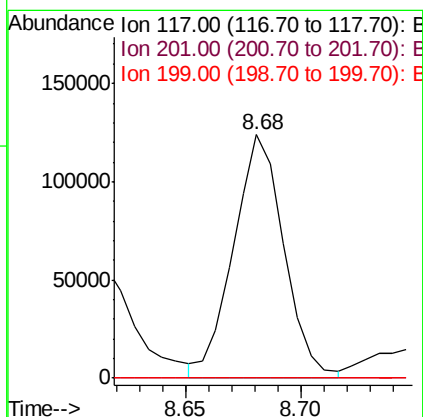
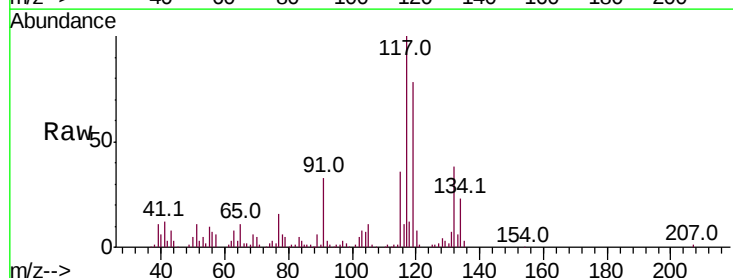
Tgt Ion: 117 Resp: 188003

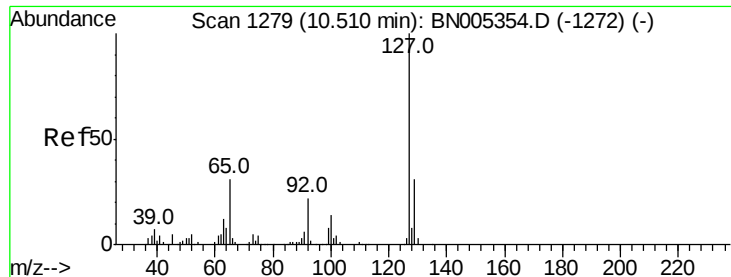
Ion Ratio Lower Upper

117 100

201 0.0 84.1 126.1#

199 0.0 51.2 76.8#

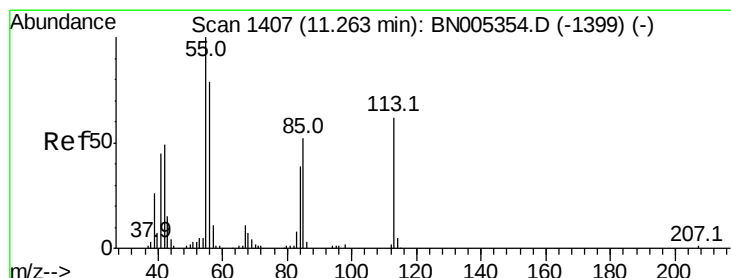
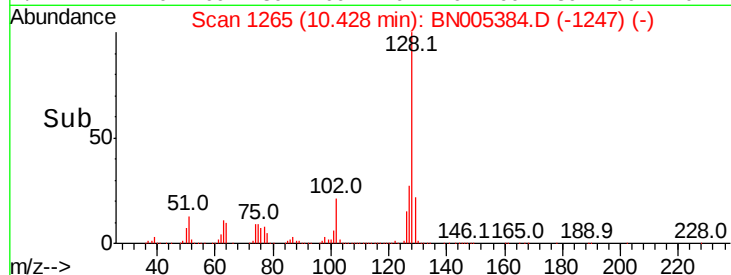
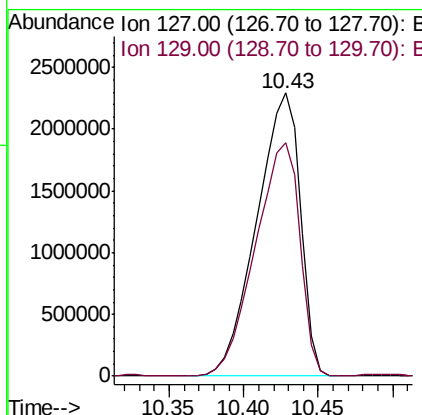
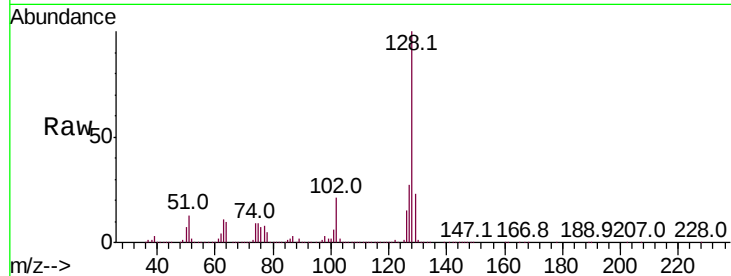




#30
4-Chloroaniline
Concen: 216.575 ng/ul
RT: 10.43 min Scan# 1265
Delta R.T. -0.09 min
Lab File: BN005384.D
Acq: 30 Apr 2019 22:32

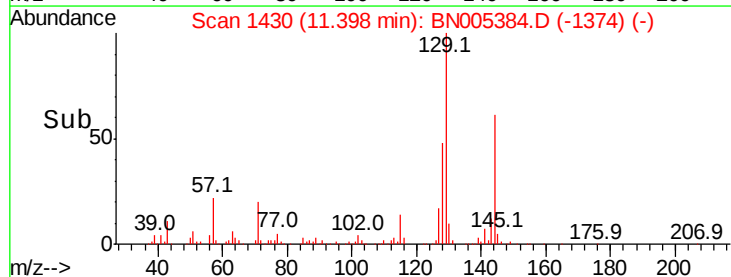
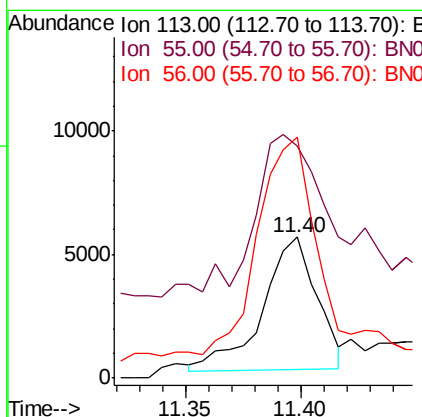
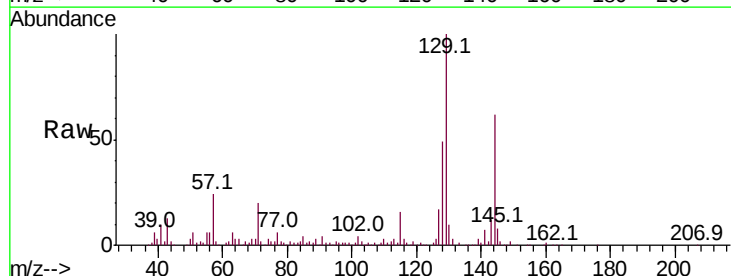
Instrument :
BNA_N
ClientSampleId :
GAHX0ME

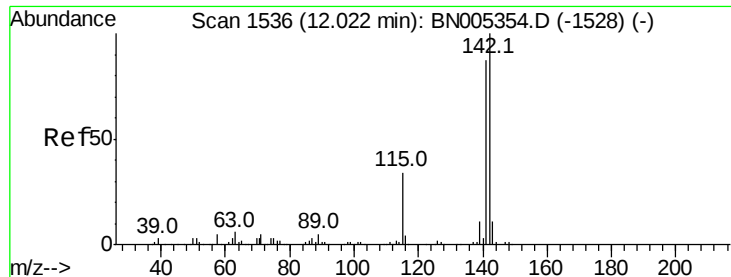
Tot Ion:127 Resp: 4661443
Ion Ratio Lower Upper
127 100
129 82.6 25.8 38.6#



#32
Caprolactam
Concen: 1.431 ng/ul
RT: 11.40 min Scan# 1430
Delta R.T. 0.13 min
Lab File: BN005384.D
Acq: 30 Apr 2019 22:32

Tgt Ion:113 Resp: 8757
Ion Ratio Lower Upper
113 100
55 165.4 157.0 235.4
56 171.5 119.1 178.7

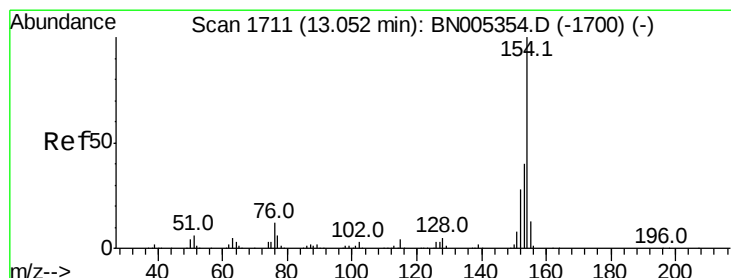
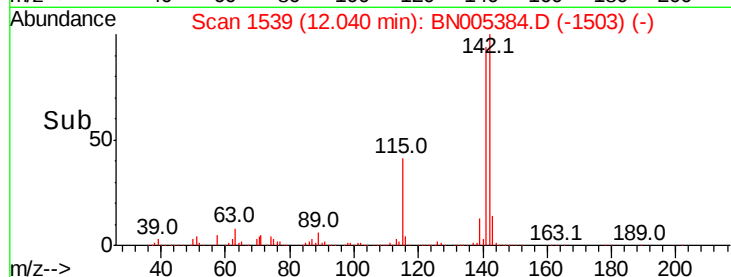
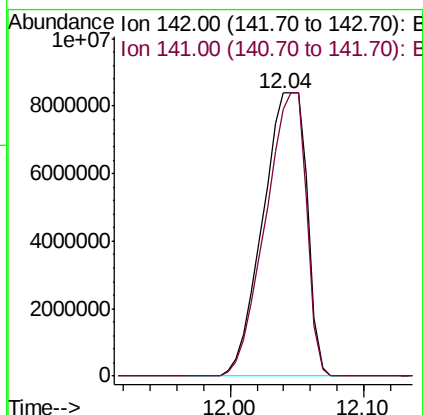
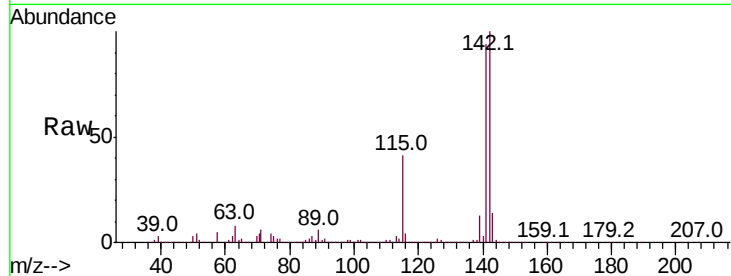




#34
 2-Methylnaphthalene
 Concen: 395.312 ng/ul
 RT: 12.04 min Scan# 1539
 Delta R.T. 0.01 min
 Lab File: BN005384.D
 Acq: 30 Apr 2019 22:32

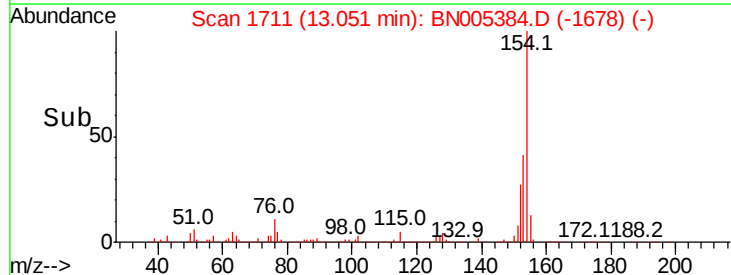
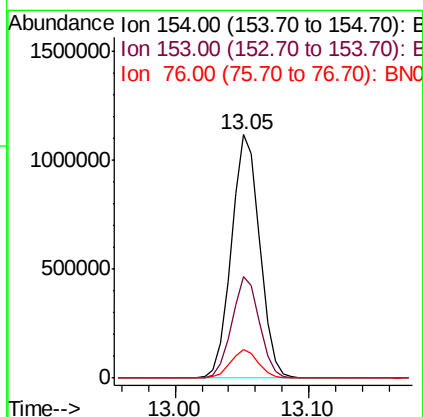
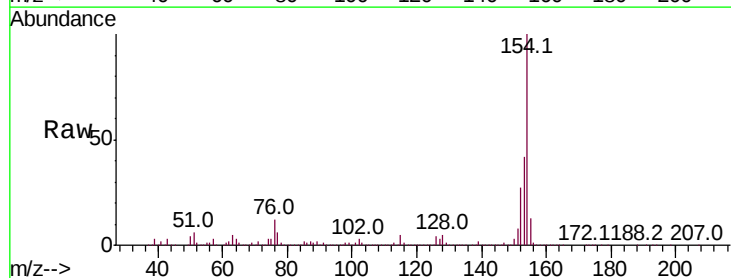
Instrument :
 BNA_N
 ClientSampleId :
 GAHX0ME

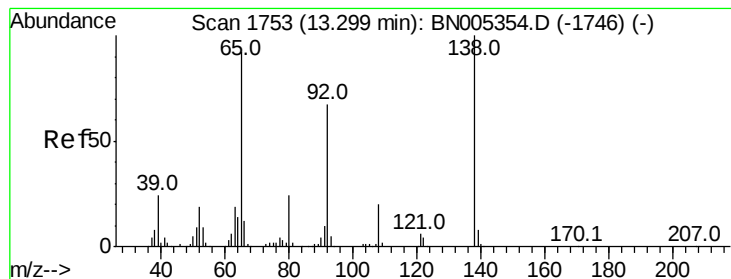
Tot Ion:142 Resp:19277435
 Ion Ratio Lower Upper
 142 100
 141 94.0 72.0 108.0



#40
 1,1'-Biphenyl
 Concen: 23.276 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BN005384.D
 Acq: 30 Apr 2019 22:32

Tgt Ion:154 Resp: 1646781
 Ion Ratio Lower Upper
 154 100
 153 41.5 32.6 49.0
 76 11.5 10.4 15.6





#42

2-Nitroaniline

Concen: 2.047 ng/ul

RT: 13.25 min Scan# 1744

Delta R.T. -0.06 min

Lab File: BN005384.D

Acq: 30 Apr 2019 22:32

Instrument :

BNA_N

ClientSampleId :

GAHX0ME

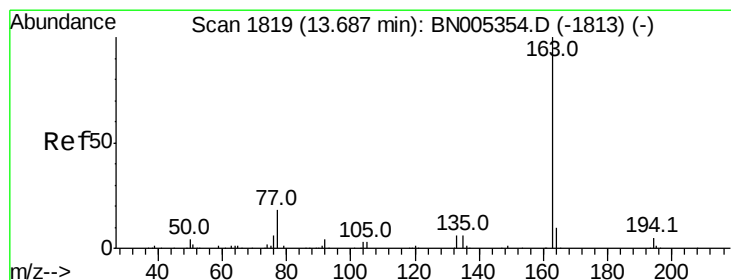
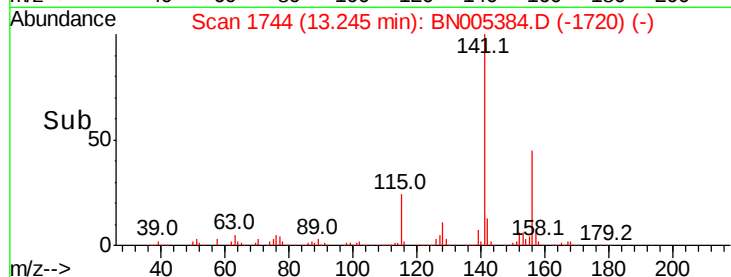
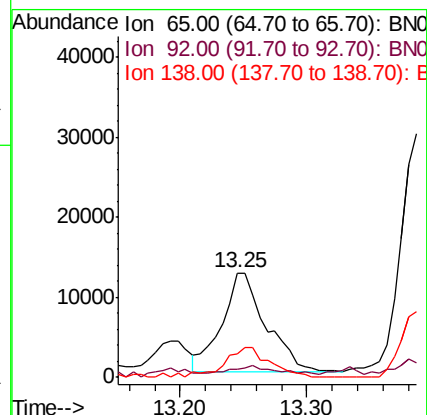
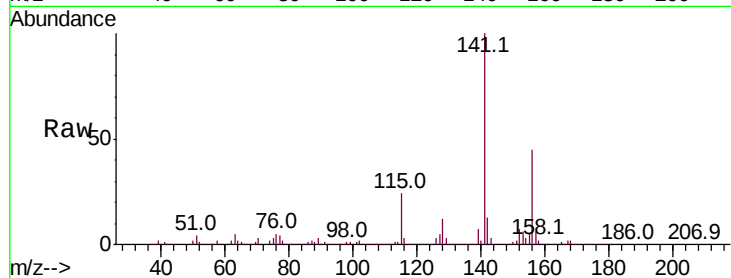
Tot Ion: 65 Resp: 29549

Ion Ratio Lower Upper

65 100

92 7.9 51.6 77.4#

138 21.8 73.9 110.9#



#44

Dimethylphthalate

Concen: 7.092 ng/ul

RT: 13.69 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BN005384.D

Acq: 30 Apr 2019 22:32

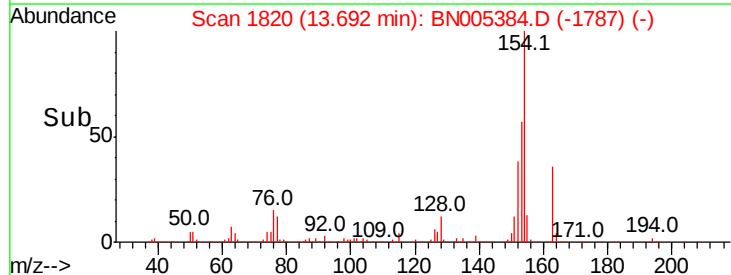
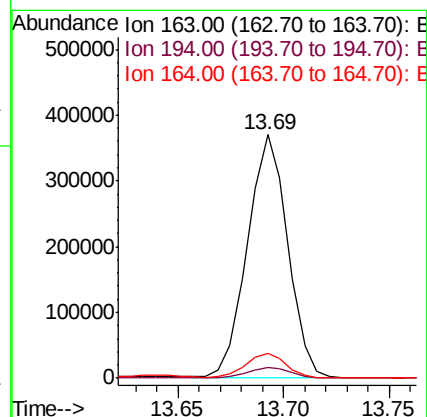
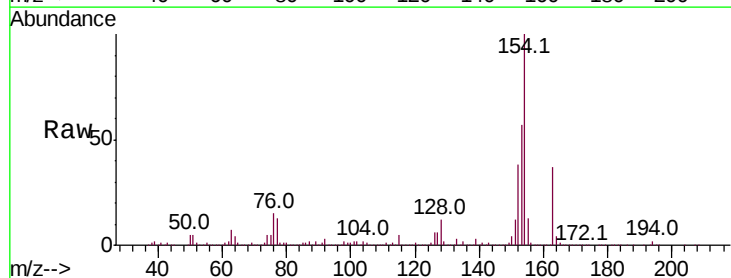
Tgt Ion:163 Resp: 487072

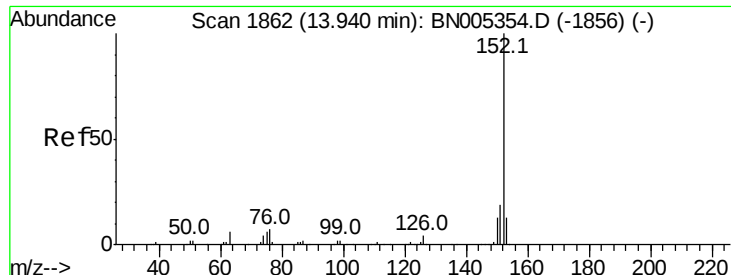
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.0

164 10.2 8.1 12.1





#47

Acenaphthylene

Concen: 81.317 ng/ul

RT: 13.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: BN005384.D

Acq: 30 Apr 2019 22:32

Instrument :

BNA_N

ClientSampleId :

GAHX0ME

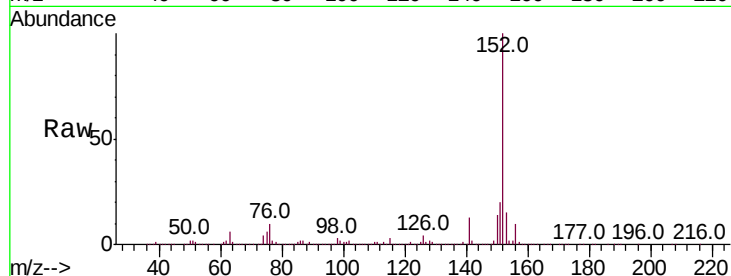
Tot Ion:152 Resp: 6765469

Ion Ratio Lower Upper

152 100

151 20.4 15.8 23.8

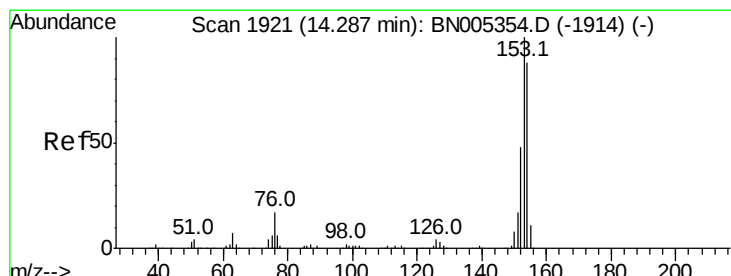
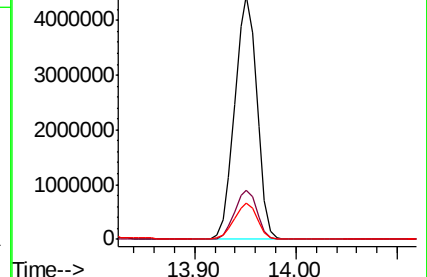
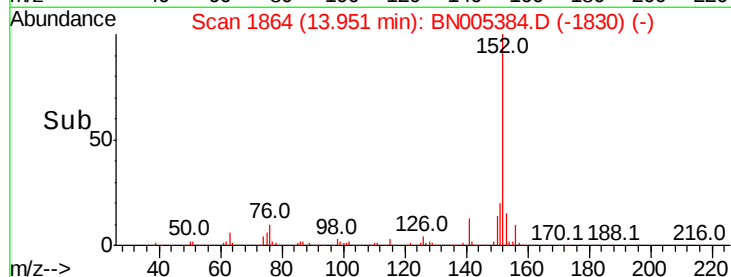
153 15.1 9.8 14.8#



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: 10.157 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BN005384.D

Acq: 30 Apr 2019 22:32

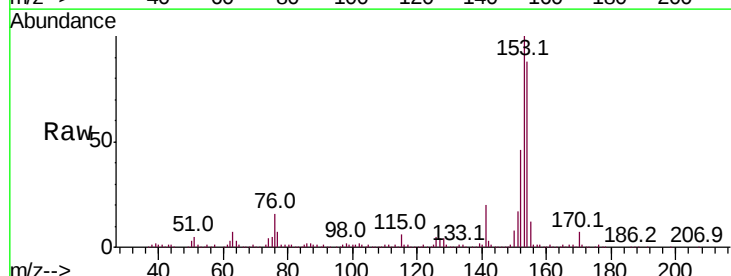
Tgt Ion:153 Resp: 576902

Ion Ratio Lower Upper

153 100

152 46.1 37.4 56.0

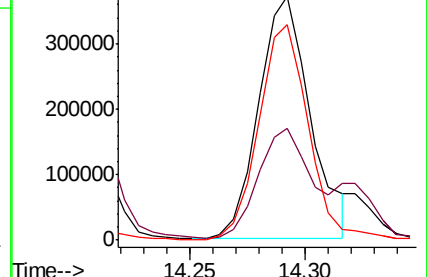
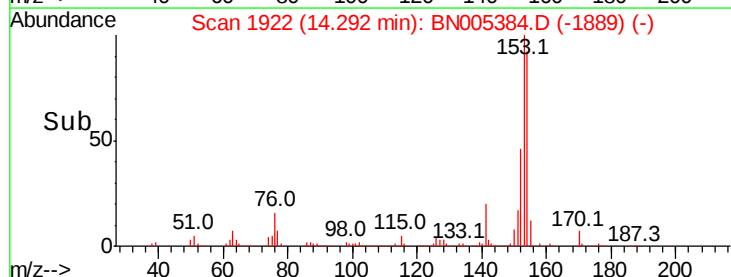
154 88.3 71.2 106.8

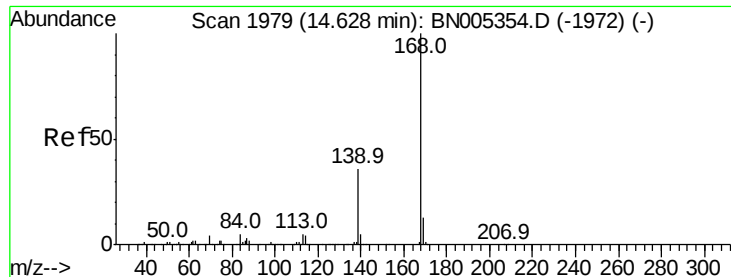


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 10.032 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BN005384.D

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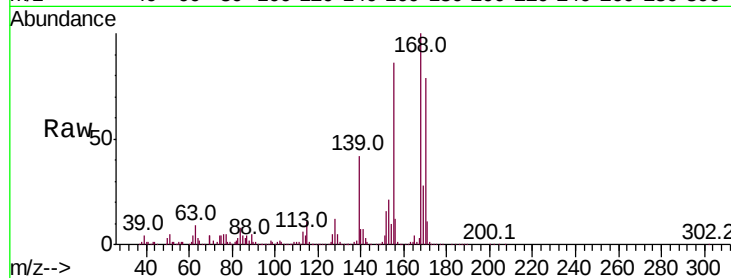
GAHX0ME

Tot Ion:168 Resp: 820362

Ion Ratio Lower Upper

168 100

139 41.9 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.63

500000

400000

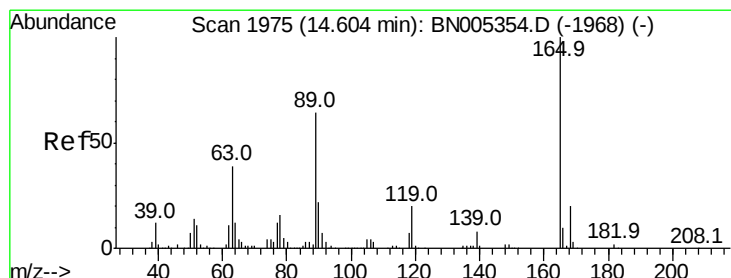
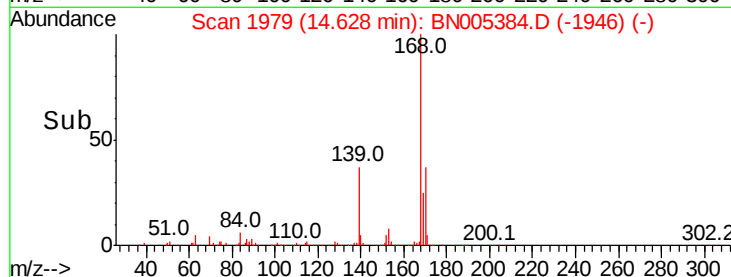
300000

200000

100000

0

Time-->



#54

2,4-Dinitrotoluene

Concen: 3.207 ng/ul

RT: 14.60 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BN005384.D

Acq: 30 Apr 2019 22:32

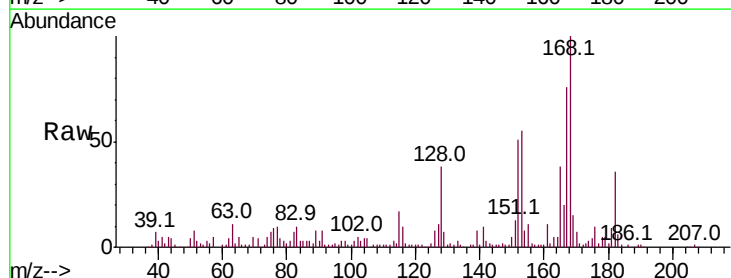
Tgt Ion:165 Resp: 54824

Ion Ratio Lower Upper

165 100

63 30.2 38.9 58.3#

182 94.4 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

50000

40000

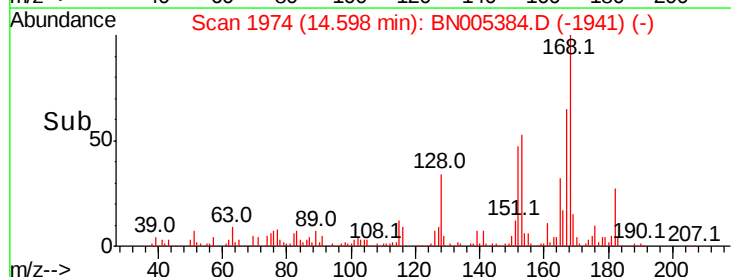
30000

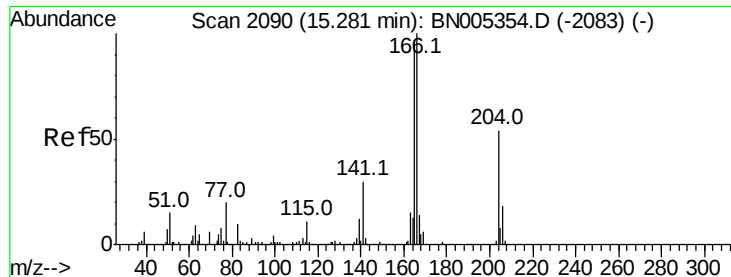
20000

10000

0

Time-->





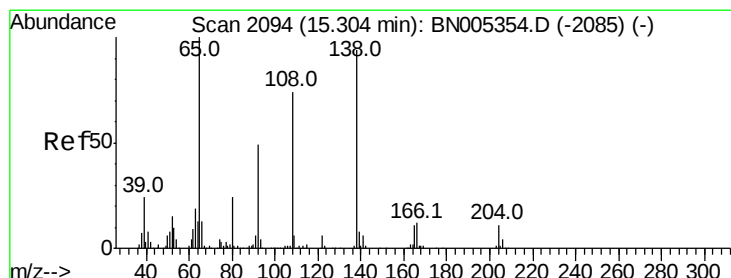
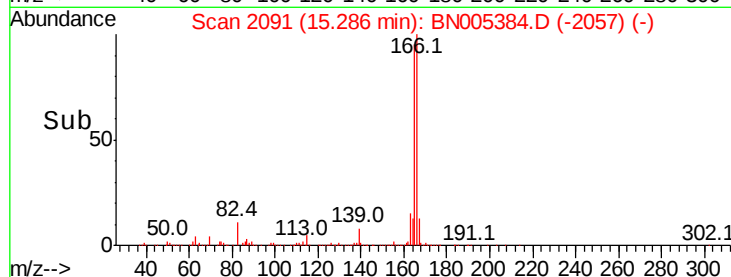
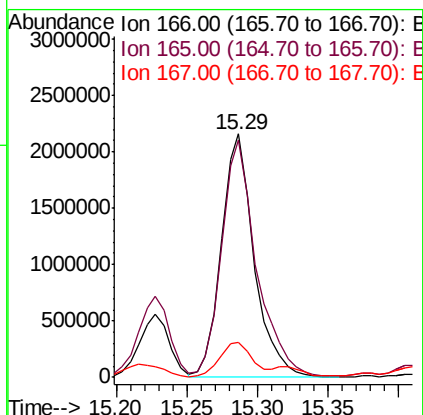
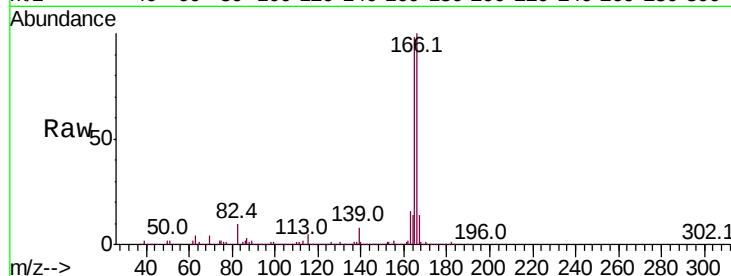
#58

Fluorene

Concen: 54.132 ng/ul
 RT: 15.29 min Scan# 2091
 Delta R.T. 0.00 min
 Lab File: BN005384.D
 Acq: 30 Apr 2019 22:32

Instrument :
 BNA_N
 ClientSampleId :
 GAHXOME

Tot Ion:166 Resp: 3454284
 Ion Ratio Lower Upper
 166 100
 165 97.6 80.0 120.0
 167 14.2 10.7 16.1

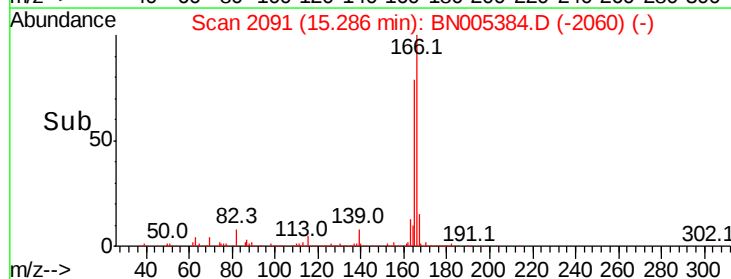
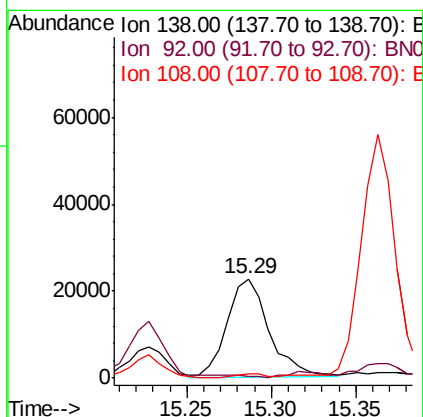
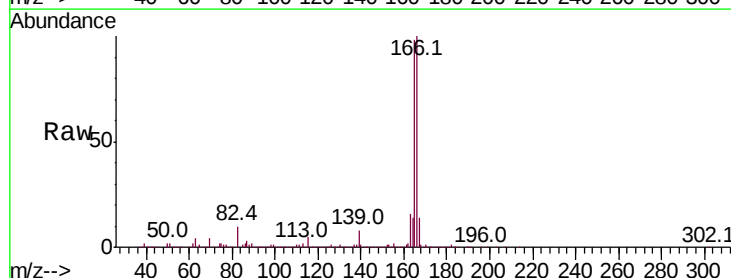


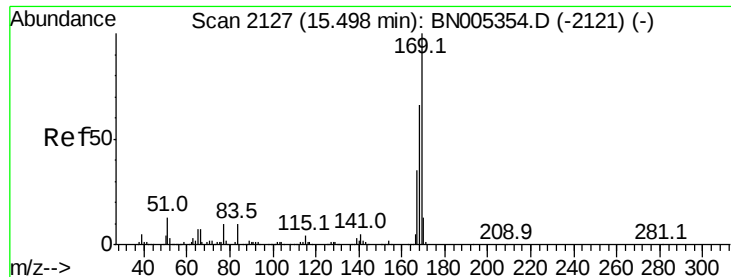
#60

4-Nitroaniline

Concen: 2.830 ng/ul
 RT: 15.29 min Scan# 2091
 Delta R.T. -0.02 min
 Lab File: BN005384.D
 Acq: 30 Apr 2019 22:32

Tgt Ion:138 Resp: 38893
 Ion Ratio Lower Upper
 138 100
 92 1.9 45.3 67.9#
 108 4.6 73.2 109.8#



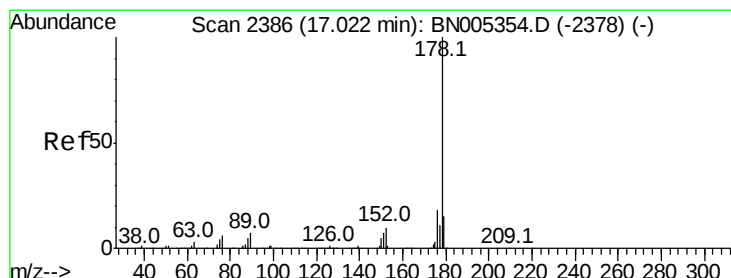
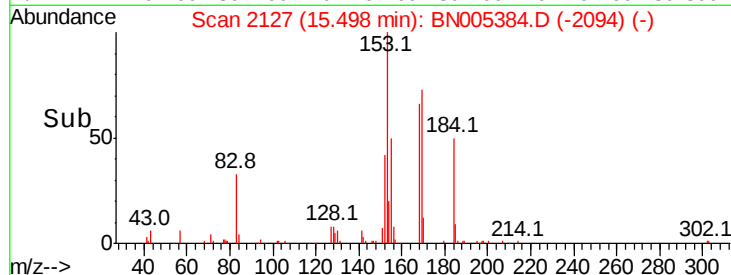
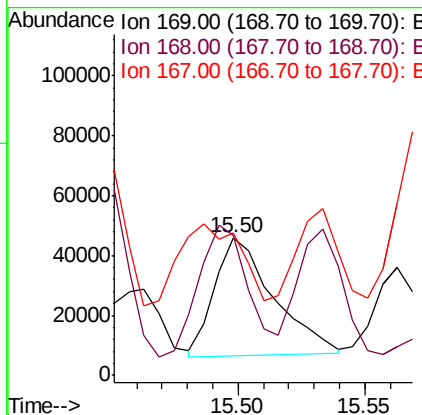
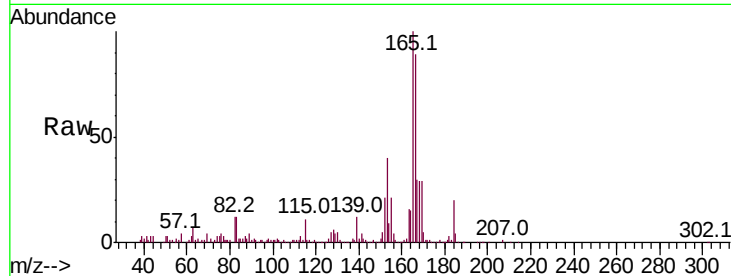


#64

N-Nitrosodiphenylamine
 Concen: 1.049 ng/ul
 RT: 15.50 min Scan# 2127
 Delta R.T. -0.01 min
 Lab File: BN005384.D
 Acq: 30 Apr 2019 22:32

Instrument :
 BNA_N
 ClientSampleId :
 GAHXOME

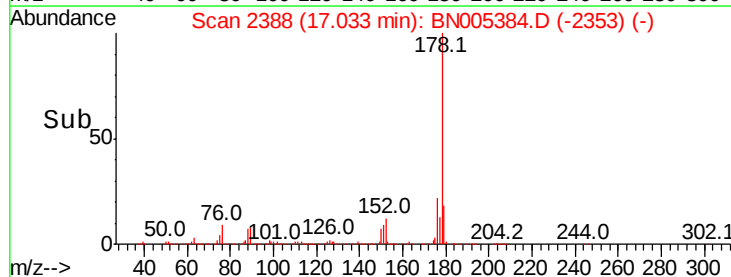
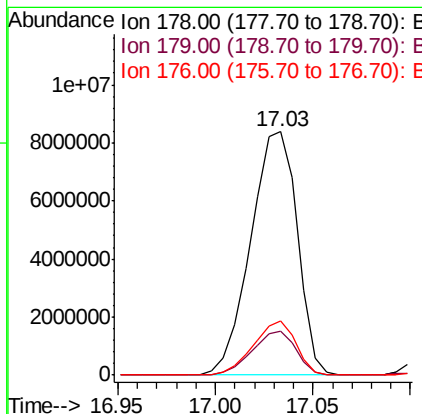
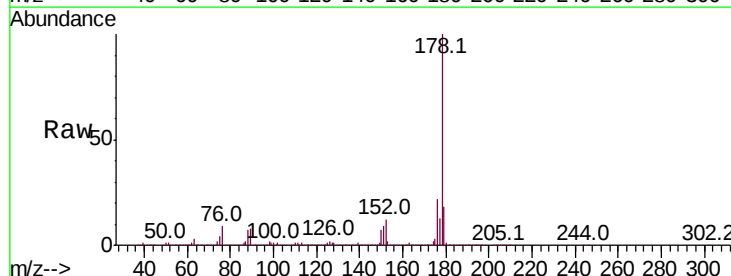
Tot Ion:169 Resp: 63661
 Ion Ratio Lower Upper
 169 100
 168 101.9 52.2 78.2#
 167 103.4 27.7 41.5#

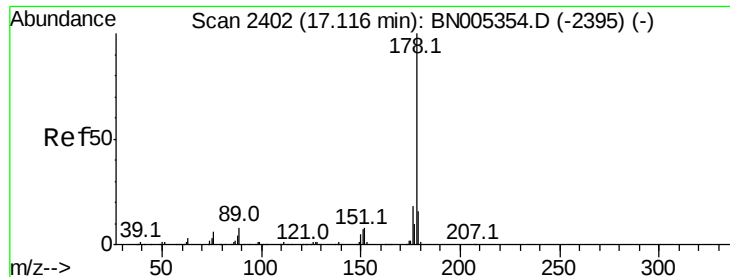


#69

Phenanthrene
 Concen: 128.253 ng/ul
 RT: 17.03 min Scan# 2388
 Delta R.T. 0.01 min
 Lab File: BN005384.D
 Acq: 30 Apr 2019 22:32

Tgt Ion:178 Resp:13850443
 Ion Ratio Lower Upper
 178 100
 179 17.9 12.2 18.4
 176 22.0 15.1 22.7



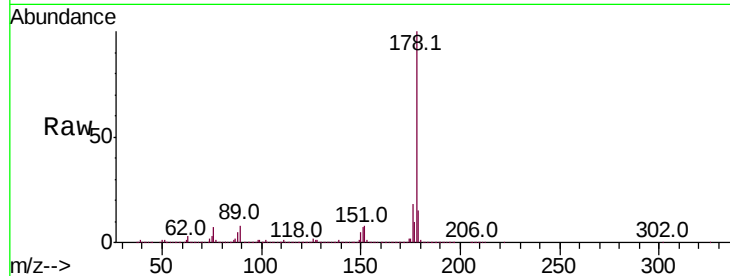


#71
 Anthracene
 Concen: 28.847 ng/ul
 RT: 17.12 min Scan# 2402
 Delta R.T. 0.00 min
 Lab File: BN005384.D
 Acq: 30 Apr 2019 22:32

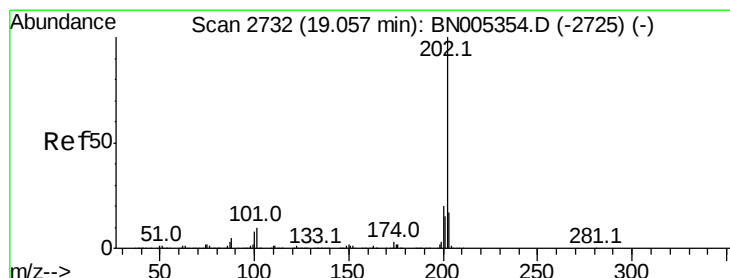
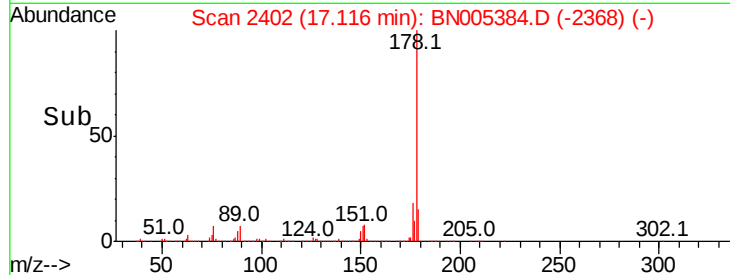
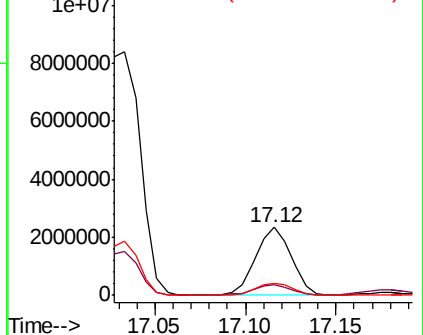
Instrument :
 BNA_N
 ClientSampleId :
 GAHX0ME

Tot Ion:178 Resp: 3173494

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.3	18.5
176	18.1	15.1	22.7



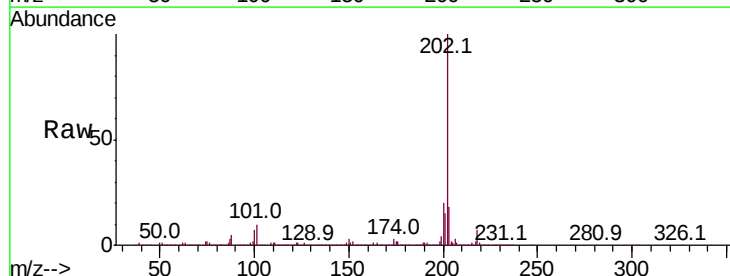
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E



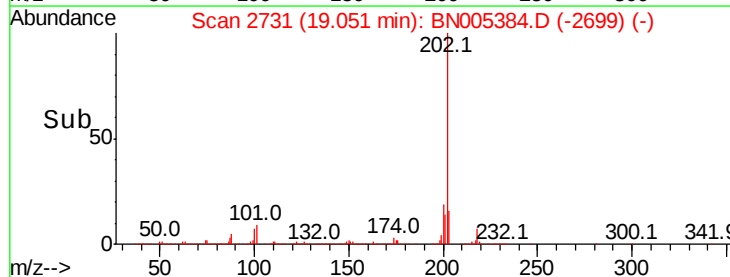
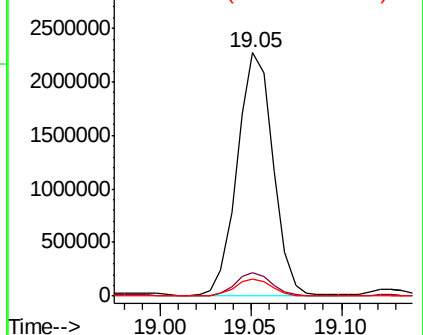
#76
 Fluoranthene
 Concen: 25.941 ng/ul
 RT: 19.05 min Scan# 2731
 Delta R.T. -0.01 min
 Lab File: BN005384.D
 Acq: 30 Apr 2019 22:32

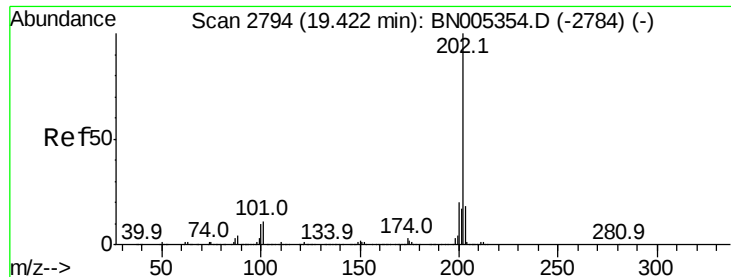
Tgt Ion:202 Resp: 3107277

Ion	Ratio	Lower	Upper
202	100		
101	9.9	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: 33.194 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. -0.01 min

Lab File: BN005384.D

Acq: 30 Apr 2019 22:32

Instrument :

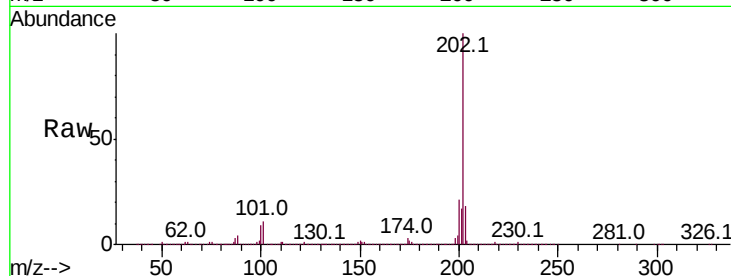
BNA_N

ClientSampleId :

GAHX0ME

Tot Ion:202 Resp: 4881437

Ion	Ratio	Lower	Upper
202	100		
101	11.2	10.3	15.5
100	9.1	7.9	11.9

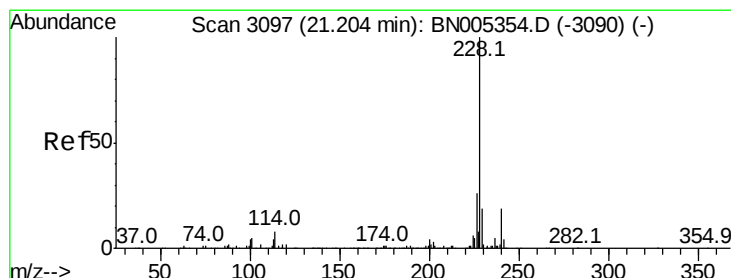
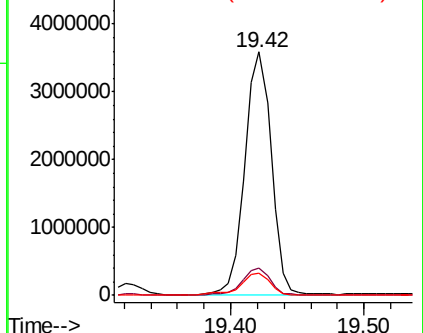
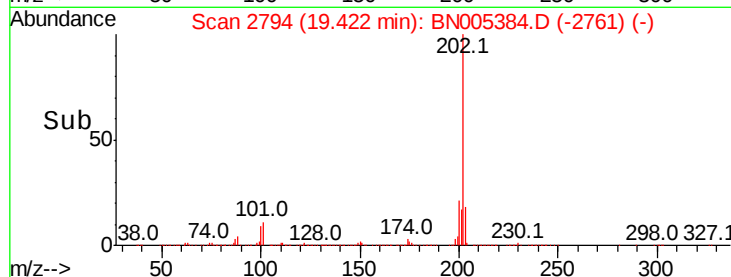


Abundance

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): E



#82

Benzo(a)anthracene

Concen: 11.064 ng/ul

RT: 21.24 min Scan# 3103

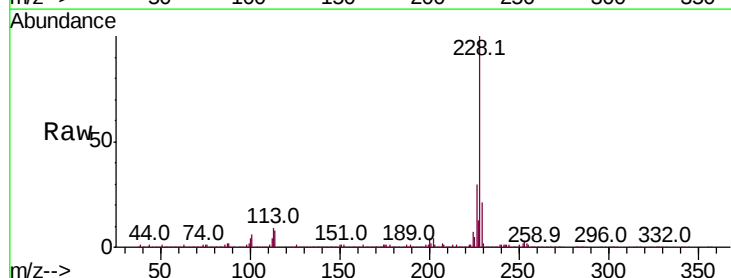
Delta R.T. 0.03 min

Lab File: BN005384.D

Acq: 30 Apr 2019 22:32

Tgt Ion:228 Resp: 1572087

Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.8	23.6
226	29.6	21.4	32.2

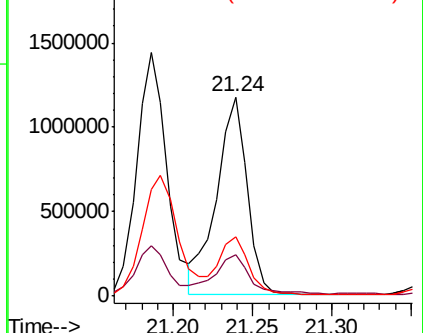
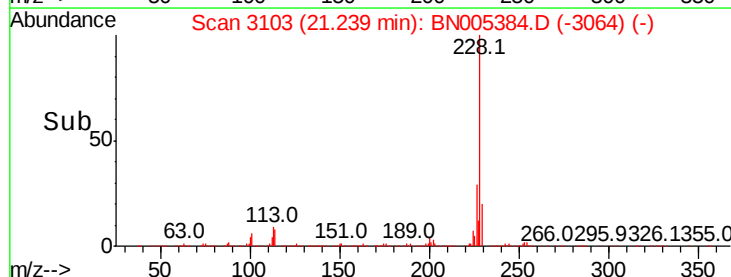


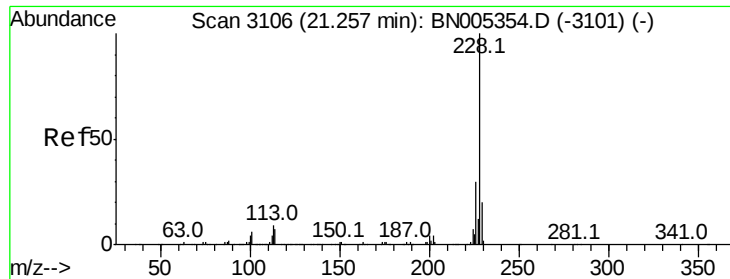
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 12.018 ng/ul

RT: 21.24 min Scan# 3103

Delta R.T. -0.02 min

Lab File: BN005384.D

Acq: 30 Apr 2019 22:32

Instrument :

BNA_N

ClientSampleId :

GAHX0ME

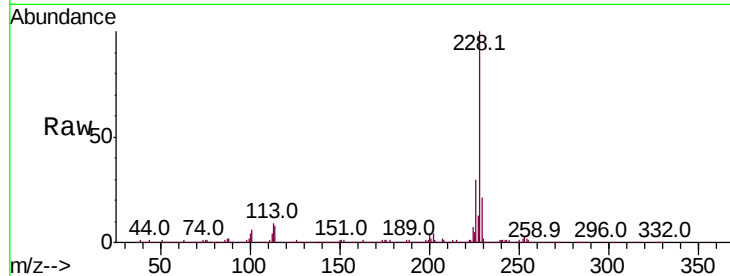
Tot Ion:228 Resp: 1584773

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.0	36.0
229	20.7	15.4	23.0

228 100

226 29.6 24.0 36.0

229 20.7 15.4 23.0

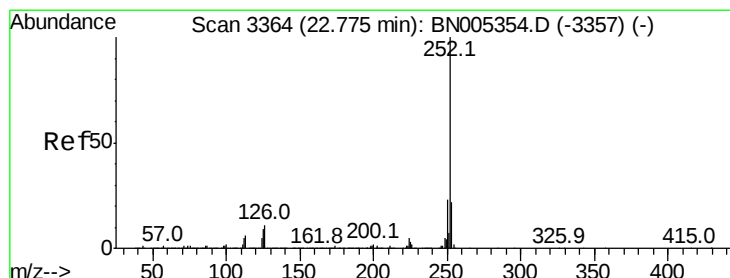
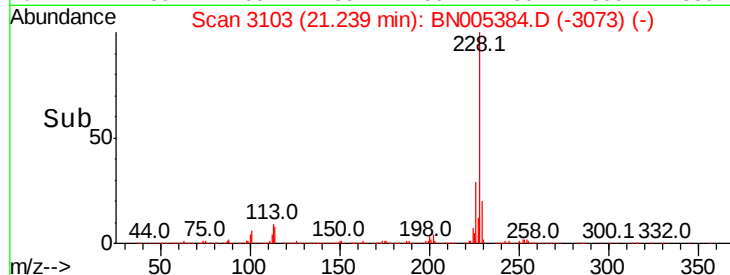
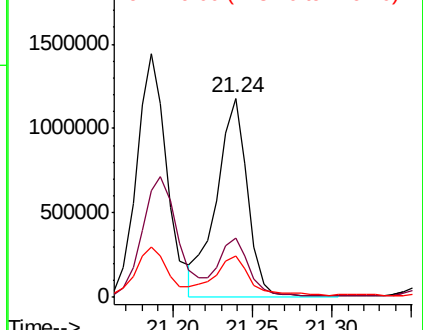


Abundance

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: 6.503 ng/ul

RT: 22.74 min Scan# 3359

Delta R.T. -0.04 min

Lab File: BN005384.D

Acq: 30 Apr 2019 22:32

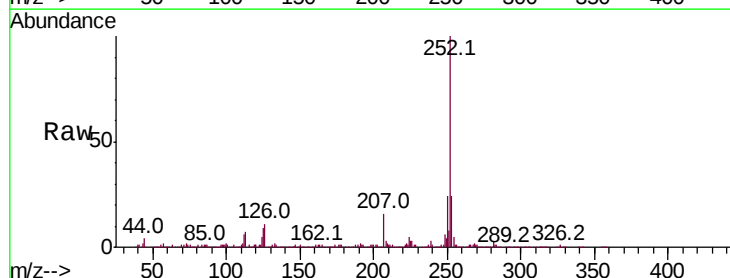
Tgt Ion:252 Resp: 862644

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.7	26.5
125	9.2	8.4	12.6

252 100

253 23.9 17.7 26.5

125 9.2 8.4 12.6

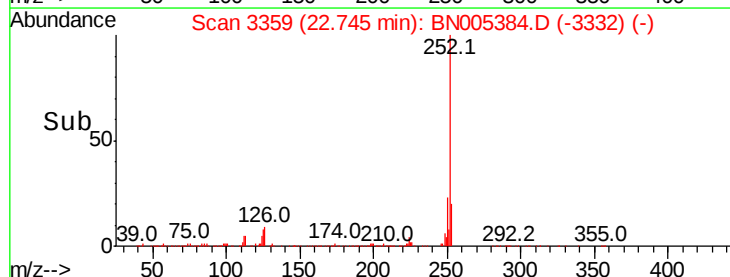
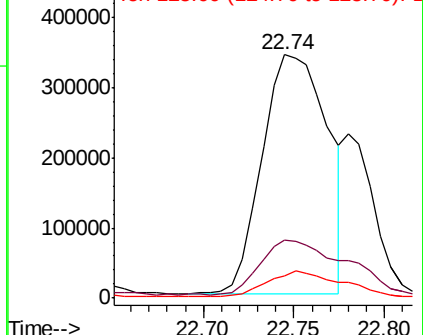


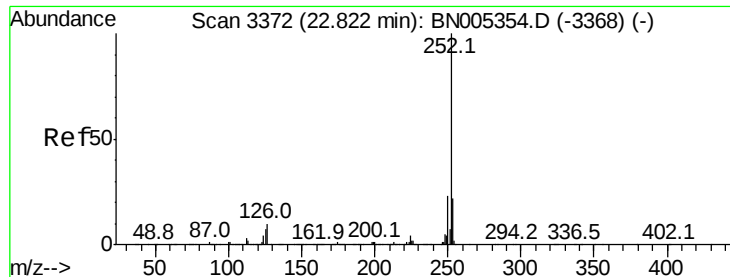
Abundance

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: 6.809 ng/ul

RT: 22.74 min Scan# 3359

Delta R.T. -0.08 min

Lab File: BN005384.D

Acq: 30 Apr 2019 22:32

Instrument :

BNA_N

ClientSampleId :

GAHX0ME

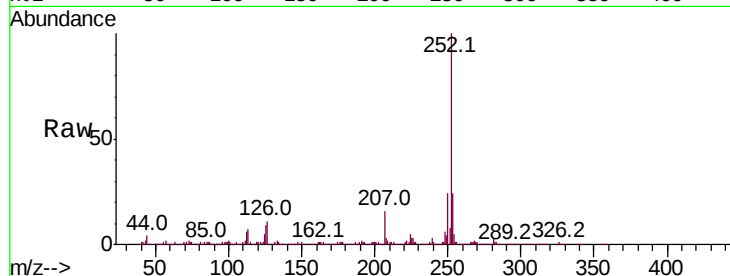
Tot Ion:252 Resp: 862644

Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.0

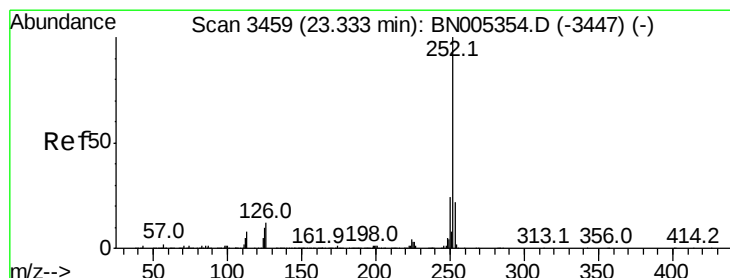
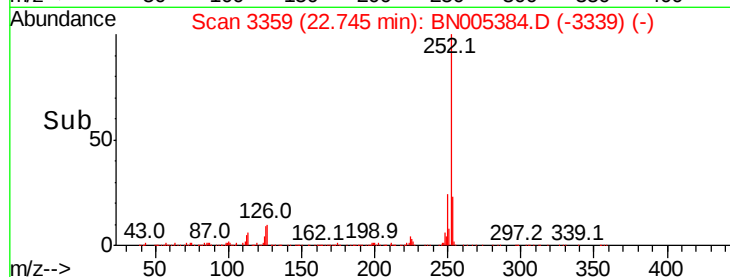
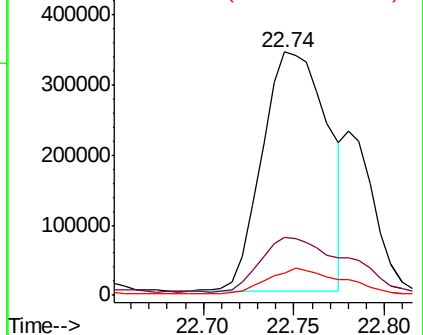
125 9.2 7.5 11.3



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: 7.952 ng/ul

RT: 23.30 min Scan# 3454

Delta R.T. -0.04 min

Lab File: BN005384.D

Acq: 30 Apr 2019 22:32

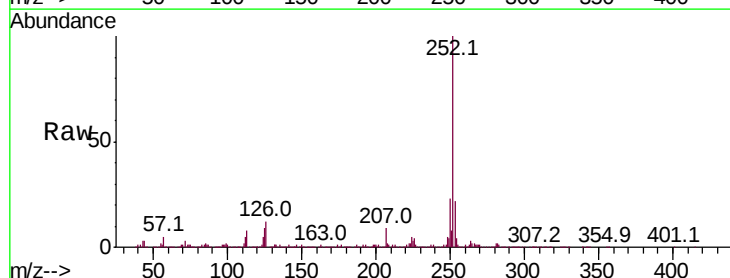
Tgt Ion:252 Resp: 991535

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

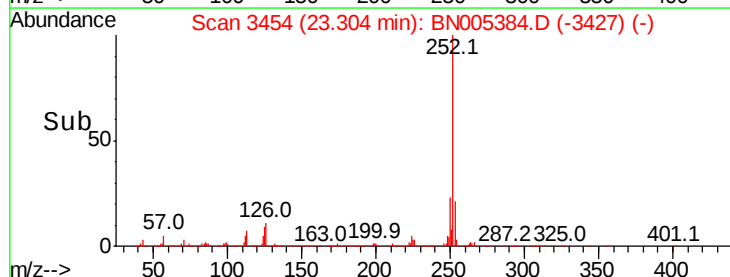
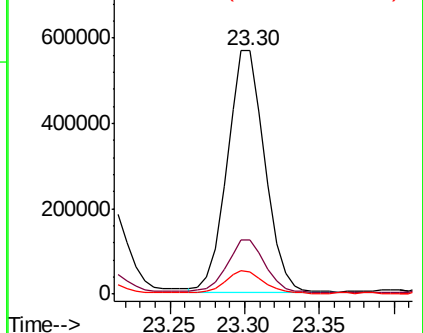
125 9.2 8.6 13.0

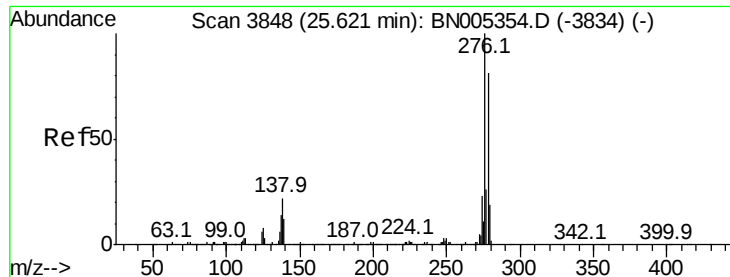


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.984 ng/ul

RT: 25.57 min Scan# 3839

Delta R.T. -0.06 min

Lab File: BN005384.D

Acq: 30 Apr 2019 22:32

Instrument :

BNA_N

ClientSampleId :

GAHX0ME

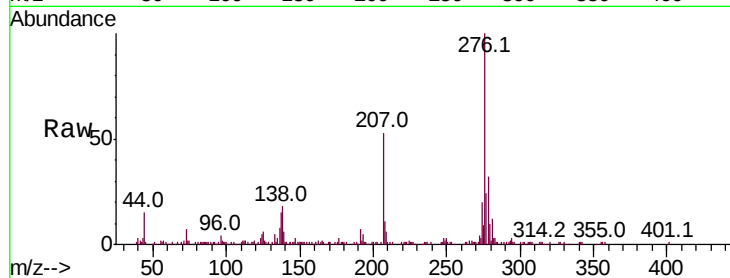
Tot Ion:276 Resp: 273520

Ion Ratio Lower Upper

276 100

138 18.5 17.9 26.9

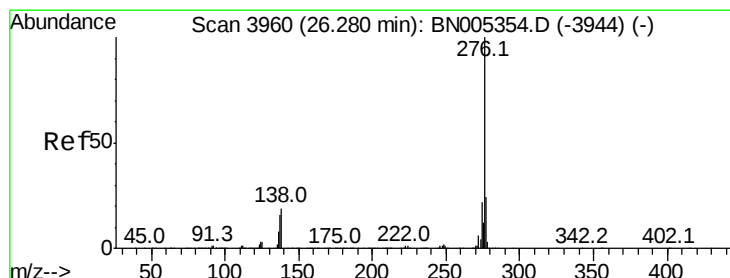
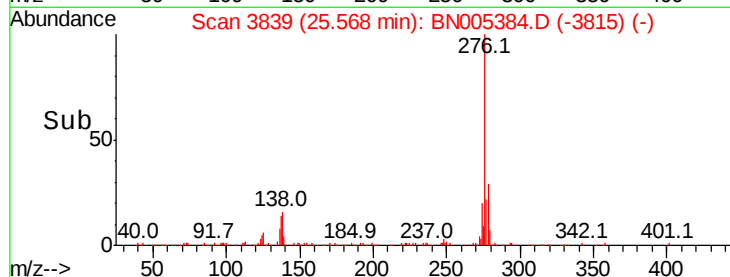
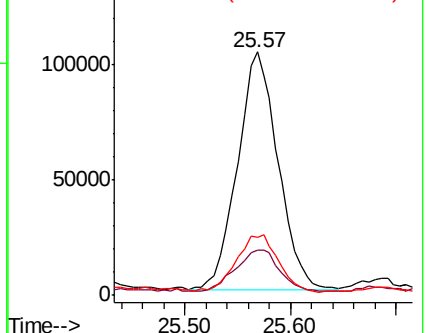
277 23.7 19.7 29.5



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: 1.691 ng/ul

RT: 26.23 min Scan# 3952

Delta R.T. -0.06 min

Lab File: BN005384.D

Acq: 30 Apr 2019 22:32

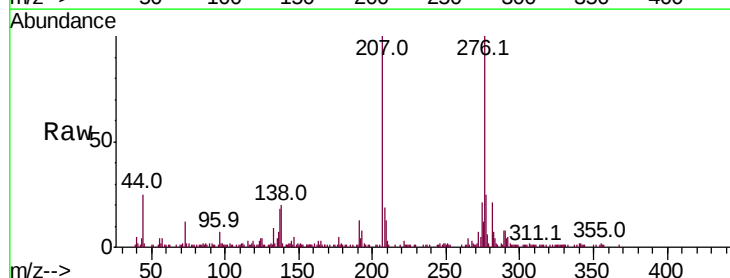
Tgt Ion:276 Resp: 192795

Ion Ratio Lower Upper

276 100

138 19.9 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

