

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052119\
 Data File : BN005825.D
 Acq On : 21 May 2019 14:30
 Operator : JU/SJ
 Sample : K2692-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A5113

Quant Time: May 21 15:53:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 21 14:36:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	58477	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	247042	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.20	164	167866	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.96	188	427382	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	482400	20.00	ng/ul	-0.01
85) Perylene-d12	23.41	264	567276	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	5403	5.17	ng/uL	-0.01
5) Phenol-d5	6.76	99	125966	27.88	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.91	67	65787	27.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.10	132	104095	28.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	103859	26.87	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	51985	28.98	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	60421	29.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	119100	30.13	ng/ul	0.00
29) 4-Chloroaniline-d4	10.48	131	130156	29.66	ng/ul	0.00
43) Dimethylphthalate-d6	13.62	166	472622	36.59	ng/ul	0.00
46) Acenaphthylene-d8	13.89	160	523140	33.33	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	63335	34.81	ng/ul	0.00
57) Fluorene-d10	15.20	176	394236	35.54	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	52402	20.40	ng/ul	0.00
70) Anthracene-d10	17.06	188	663327	35.93	ng/ul	0.00
78) Pyrene-d10	19.38	212	835435	35.15	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	988654	38.85	ng/ul	-0.02

Target Compounds

					Ovalue	
2) 1,4-Dioxane	3.21	88	17229	15.669	ng/uL	95
4) Benzaldehyde	6.72	77	70809	21.645	ng/ul	96
6) Phenol	6.79	94	199486	43.303	ng/ul	97
8) Bis(2-Chloroethyl)ether	7.00	93	111175	32.932	ng/ul	92
17) Hexachloroethane	8.62	117	79203	50.159	ng/ul	84
20) Nitrobenzene	8.76	77	76440	18.440	ng/ul	98
23) 2-Nitrophenol	9.46	139	75013	34.797	ng/ul	96
28) Naphthalene	10.38	128	452581	38.351	ng/ul	99
34) 2-Methylnaphthalene	11.99	142	480276	52.698	ng/ul	98
36) 1,2,4,5-Tetrachlorobenzene	12.38	216	111487	20.628	ng/ul#	93
39) 2,4,5-Trichlorophenol	12.71	196	230296	65.529	ng/ul	99
40) 1,1'-Biphenyl	13.02	154	481307	39.431	ng/ul#	96
41) 2-Chloronaphthalene	13.07	162	373561	38.746	ng/ul	96
47) Acenaphthylene	13.92	152	486825	32.214	ng/ul	98
49) Acenaphthene	14.26	153	329750	32.204	ng/ul	99
52) 4-Nitrophenol	14.47	109	51099	30.070	ng/ul	93
53) Dibenzofuran	14.61	168	257233	16.932	ng/ul	98
54) 2,4-Dinitrotoluene	14.62	165	104407	25.964	ng/ul	95
56) Diethylphthalate	15.05	149	285431	22.146	ng/ul	98
58) Fluorene	15.26	166	487802	39.476	ng/ul	97
66) Hexachlorobenzene	16.27	284	89564	17.839	ng/ul#	92
69) Phenanthrene	17.00	178	714230	33.714	ng/ul	100
71) Anthracene	17.10	178	1114059	51.647	ng/ul	99

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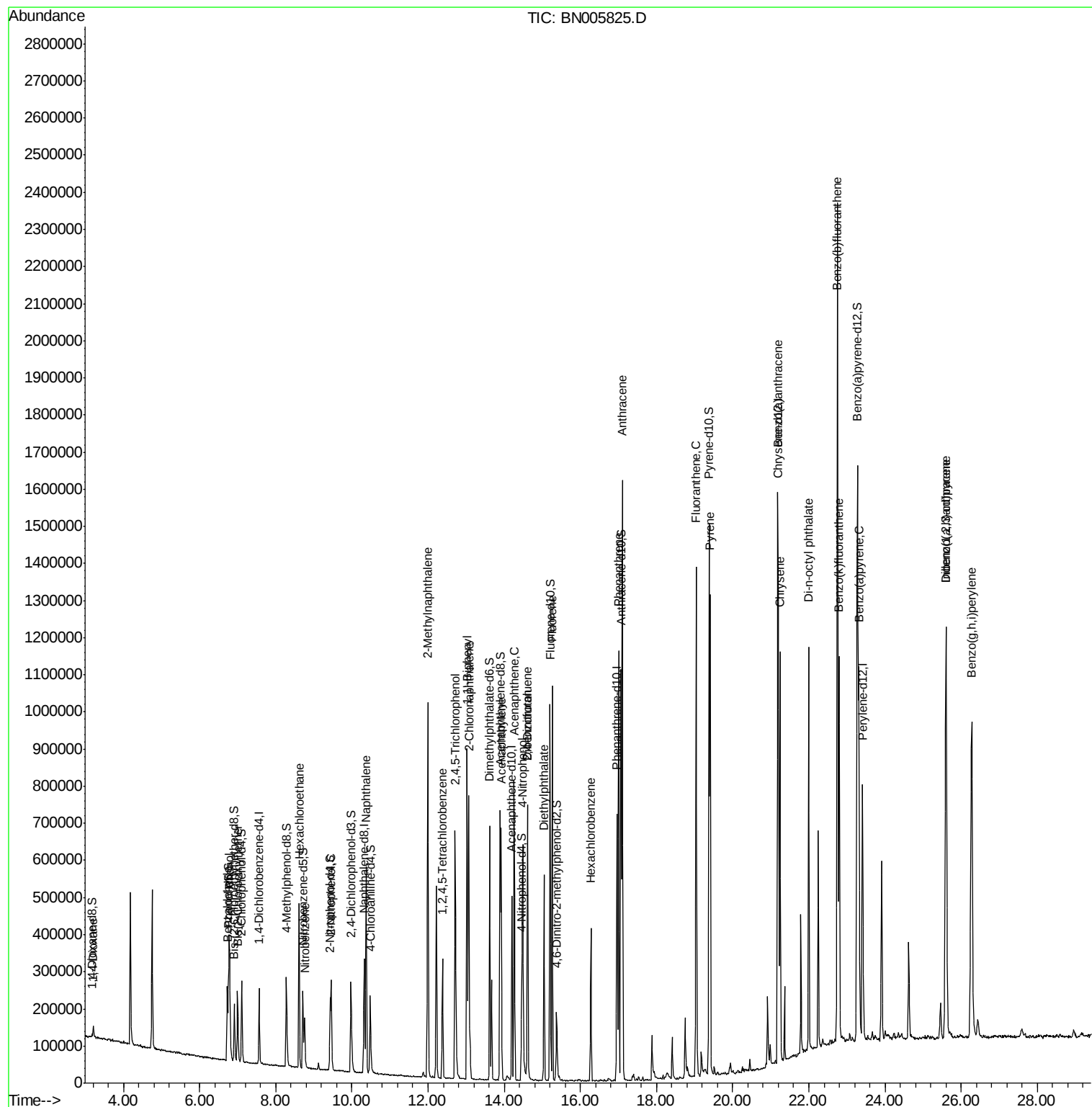
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) Fluoranthene	19.04	202	875286	33.418	ng/ul#	90
79) Pyrene	19.41	202	801888	27.069	ng/ul#	86
82) Benzo(a)anthracene	21.19	228	748412	24.626	ng/ul	100
84) Chrysene	21.24	228	638404	22.283	ng/ul	100
86) Di-n-octyl phthalate	22.00	149	682502	22.549	ng/ul	100
87) Benzo(b)fluoranthene	22.76	252	1377768	44.148	ng/ul#	94
88) Benzo(k)fluoranthene	22.80	252	730832	24.202	ng/ul#	96
90) Benzo(a)pyrene	23.31	252	700142	23.168	ng/ul#	96
91) Indeno(1,2,3-cd)pyrene	25.60	276	909067	24.605	ng/ul#	92
92) Dibenzo(a,h)anthracene	25.60	278	524593	16.867	ng/ul#	93
93) Benzo(a,h,i)perylene	26.27	276	1223524	39.616	ng/ul#	91

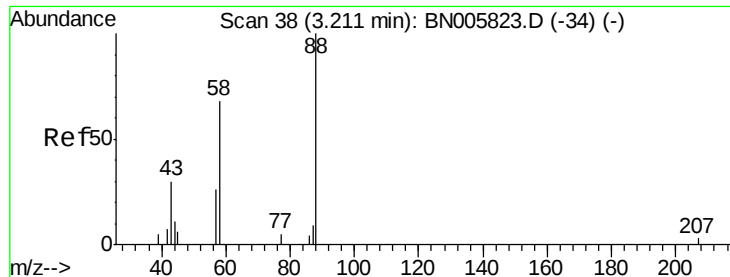
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 15.669 ng/uL

RT: 3.21 min Scan# 38

Delta R.T. -0.01 min

Lab File: BN005825.D

Acq: 21 May 2019 14:30

Instrument :

BNA_N

ClientSampleId :

A5113

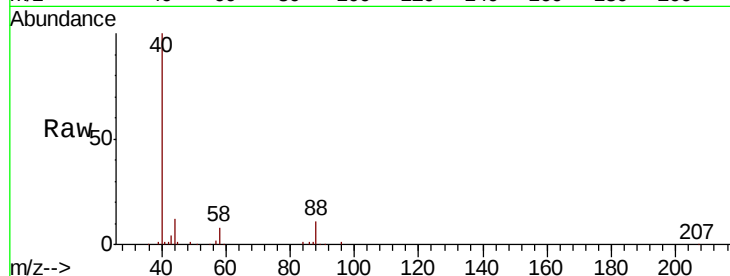
Tot Ion: 88 Resp: 17229

Ion Ratio Lower Upper

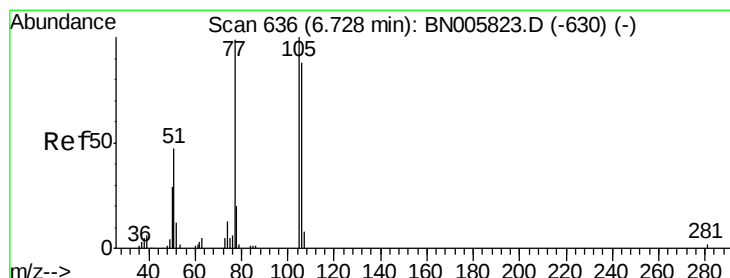
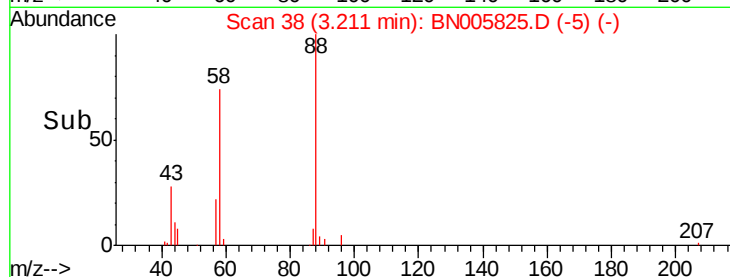
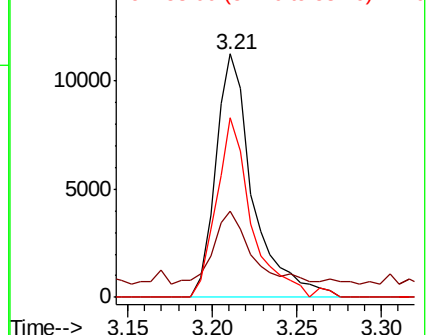
88 100

43 35.5 25.3 37.9

58 73.6 62.3 93.5



Abundance Ion 88.00 (87.70 to 88.70): BN0
Ion 43.00 (42.70 to 43.70): BN0
Ion 58.00 (57.70 to 58.70): BN0



#4

Benzaldehyde

Concen: 21.645 ng/uL

RT: 6.72 min Scan# 635

Delta R.T. -0.01 min

Lab File: BN005825.D

Acq: 21 May 2019 14:30

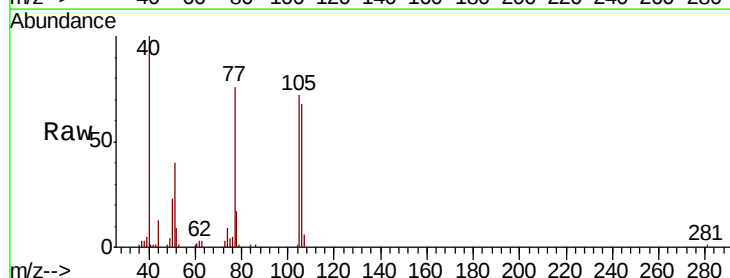
Tgt Ion: 77 Resp: 70809

Ion Ratio Lower Upper

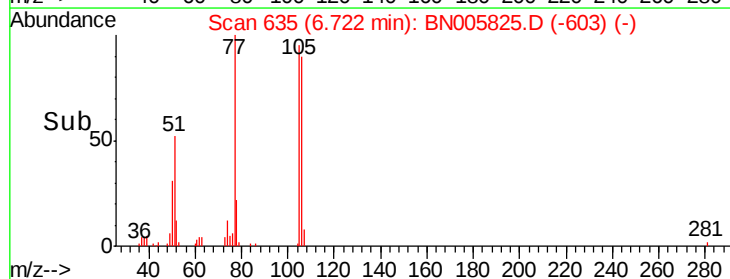
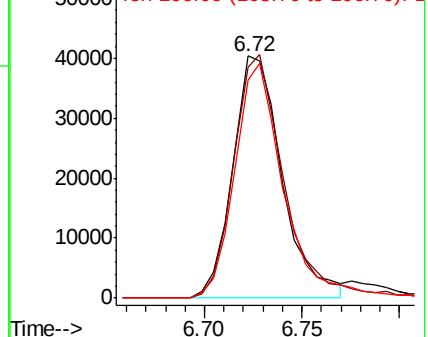
77 100

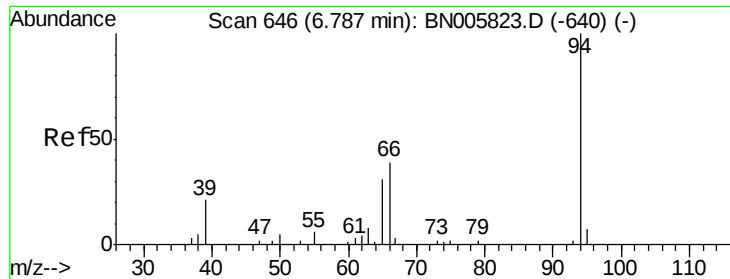
105 95.1 77.4 116.2

106 89.9 76.3 114.5



Abundance Ion 77.00 (76.70 to 77.70): BN0
Ion 105.00 (104.70 to 105.70): BN0
Ion 106.00 (105.70 to 106.70): BN0





#6

Phenol

Concen: 43.303 ng/ul

RT: 6.79 min Scan# 646

Delta R.T. 0.00 min

Lab File: BN005825.D

Acq: 21 May 2019 14:30

Instrument :

BNA_N

ClientSampleId :

A5113

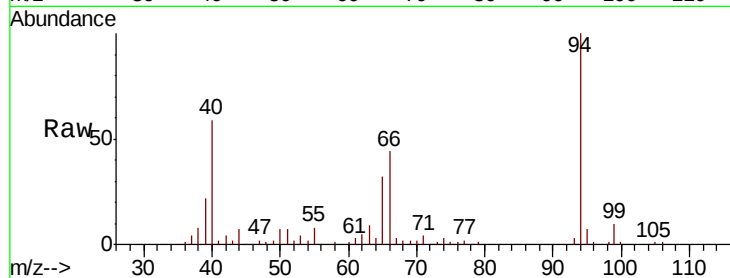
Tot Ion: 94 Resp: 199486

Ion Ratio Lower Upper

94 100

65 31.6 24.2 36.4

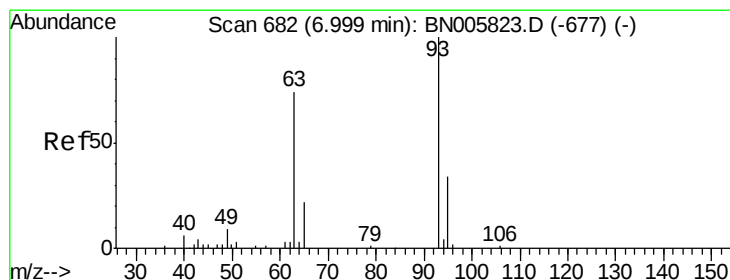
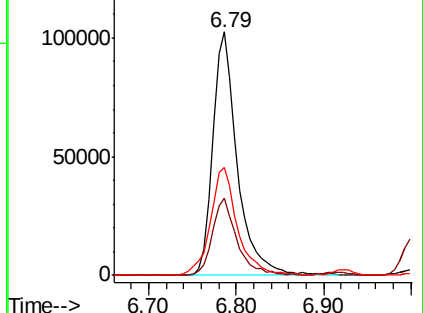
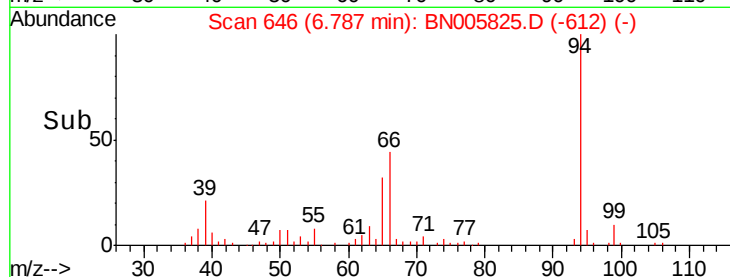
66 44.4 33.8 50.6



Abundance Ion 94.00 (93.70 to 94.70): BN0

Ion 65.00 (64.70 to 65.70): BN0

Ion 66.00 (65.70 to 66.70): BN0



#8

Bis(2-Chloroethyl)ether

Concen: 32.932 ng/ul

RT: 7.00 min Scan# 682

Delta R.T. -0.01 min

Lab File: BN005825.D

Acq: 21 May 2019 14:30

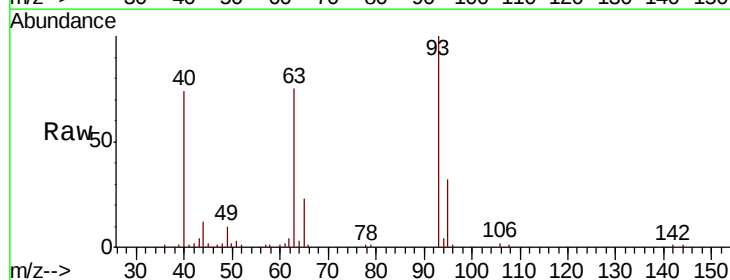
Tgt Ion: 93 Resp: 111175

Ion Ratio Lower Upper

93 100

63 75.0 67.1 100.7

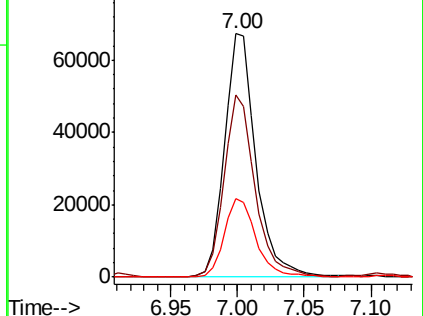
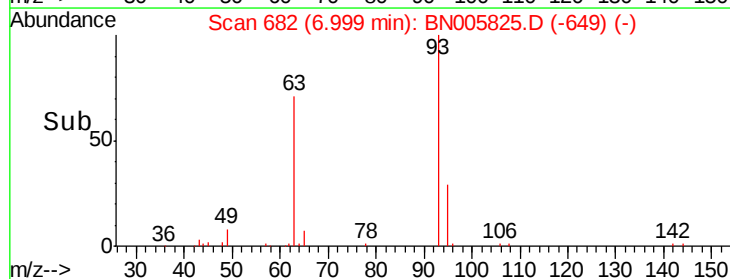
95 32.3 26.9 40.3

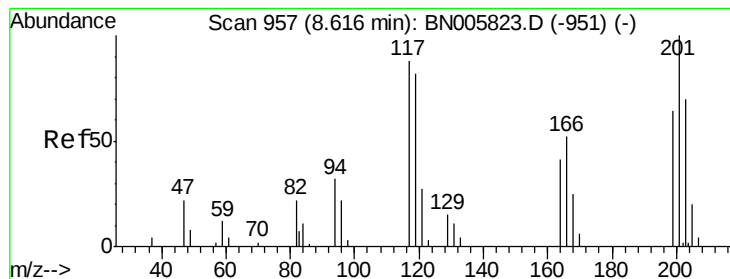


Abundance Ion 93.00 (92.70 to 93.70): BN0

Ion 63.00 (62.70 to 63.70): BN0

Ion 95.00 (94.70 to 95.70): BN0





#17

Hexachloroethane

Concen: 50.159 ng/ul

RT: 8.62 min Scan# 957

Delta R.T. -0.01 min

Lab File: BN005825.D

Acq: 21 May 2019 14:30

Instrument :

BNA_N

ClientSampleId :

A5113

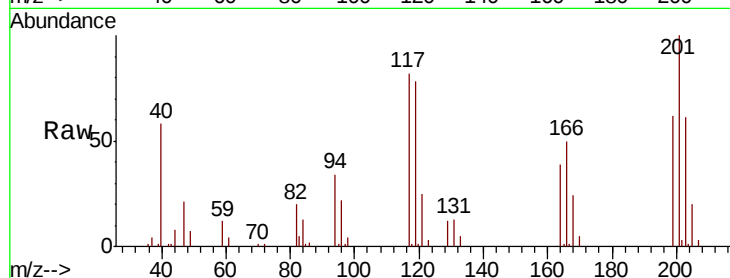
Tot Ion:117 Resp: 79203

Ion Ratio Lower Upper

117 100

201 121.7 84.1 126.1

199 75.3 51.2 76.8

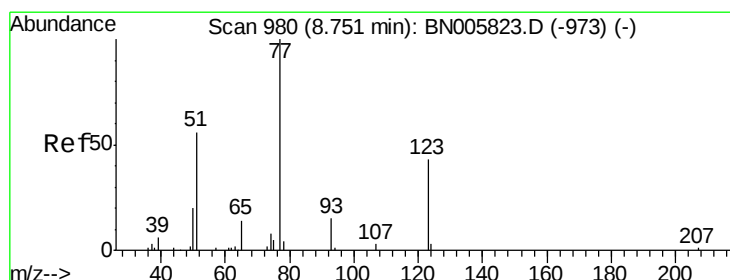
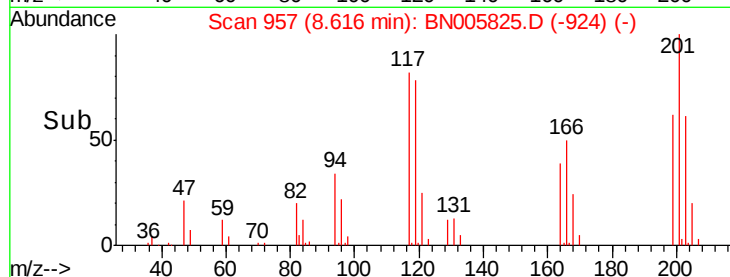
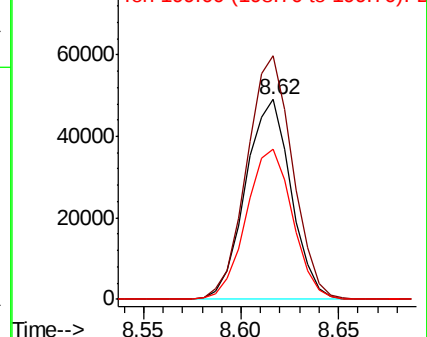


Abundance

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



#20

Nitrobenzene

Concen: 18.440 ng/ul

RT: 8.76 min Scan# 981

Delta R.T. 0.00 min

Lab File: BN005825.D

Acq: 21 May 2019 14:30

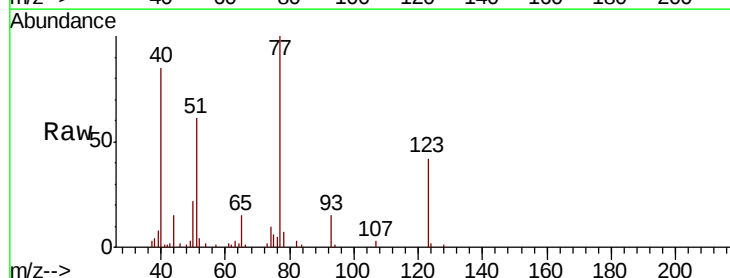
Tgt Ion: 77 Resp: 76440

Ion Ratio Lower Upper

77 100

123 42.4 32.6 49.0

65 15.3 11.6 17.4

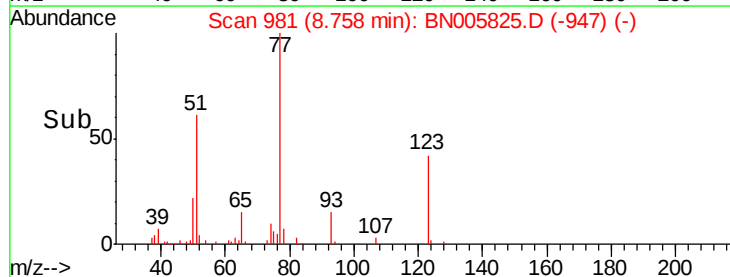
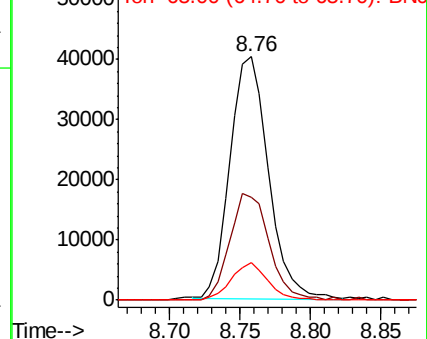


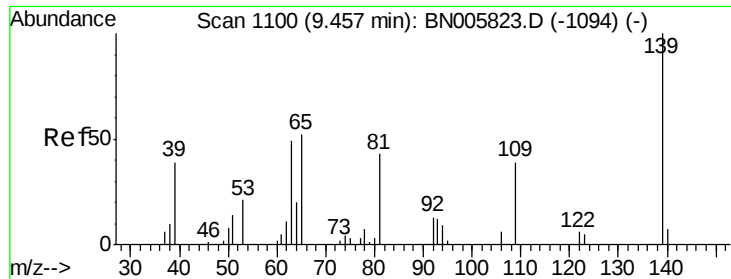
Abundance

Ion 77.00 (76.70 to 77.70): BNC

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BNC





#23

2-Nitrophenol

Concen: 34.797 ng/ul

RT: 9.46 min Scan# 1100

Delta R.T. -0.01 min

Lab File: BN005825.D

Acq: 21 May 2019 14:30

Instrument :

BNA_N

ClientSampled :

A5113

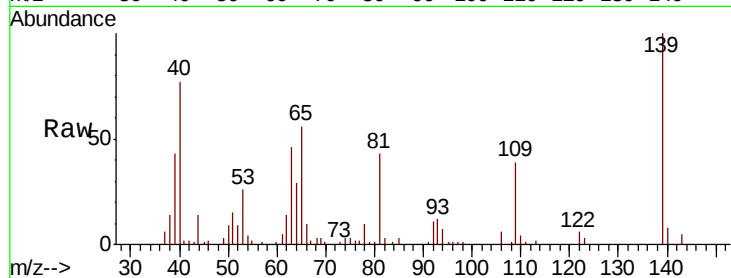
Tot Ion:139 Resp: 75013

Ion Ratio Lower Upper

139 100

65 56.4 44.2 66.4

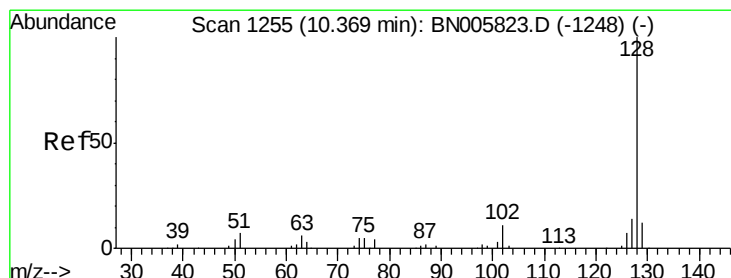
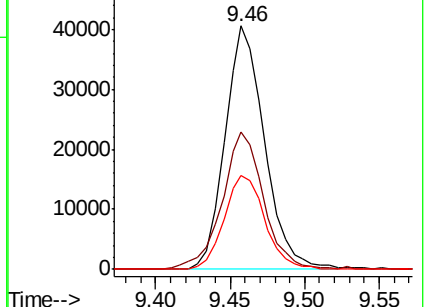
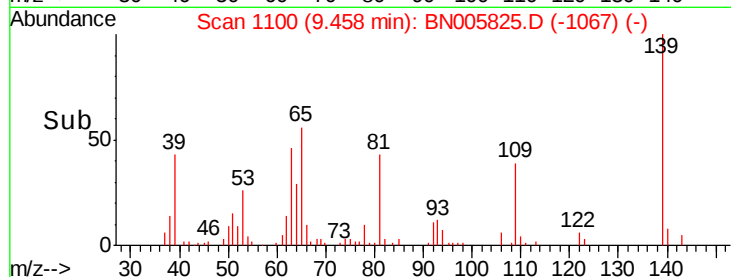
109 38.6 26.8 40.2



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BN

Ion 109.00 (108.70 to 109.70): E



#28

Naphthalene

Concen: 38.351 ng/ul

RT: 10.38 min Scan# 1256

Delta R.T. 0.00 min

Lab File: BN005825.D

Acq: 21 May 2019 14:30

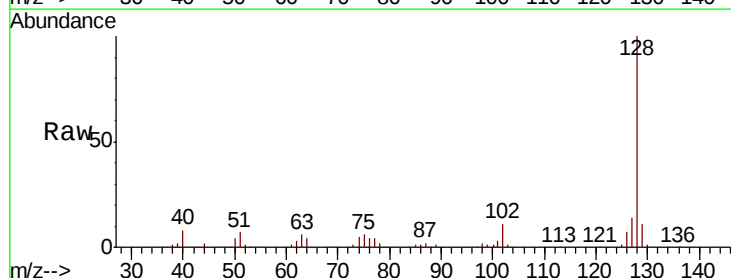
Tgt Ion:128 Resp: 452581

Ion Ratio Lower Upper

128 100

129 10.9 9.2 13.8

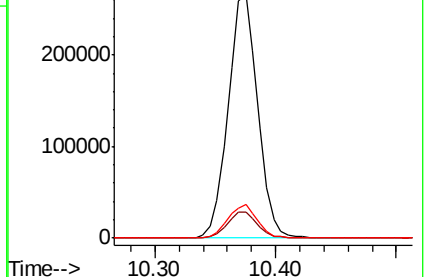
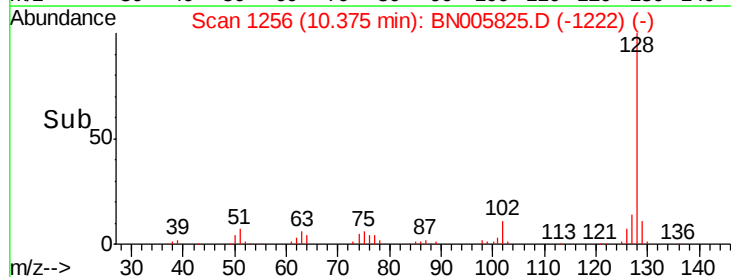
127 13.9 10.7 16.1

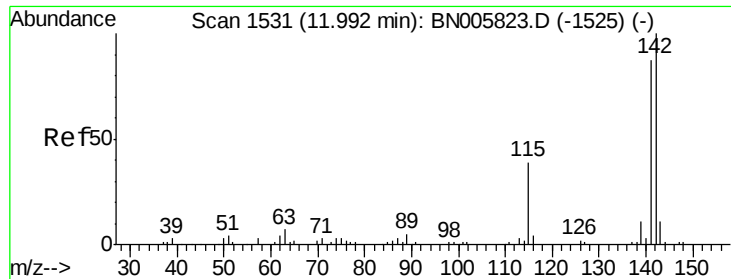


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

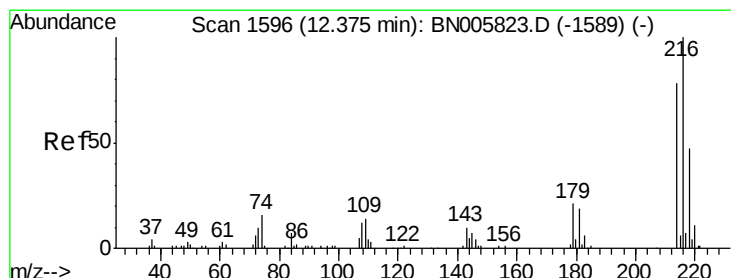
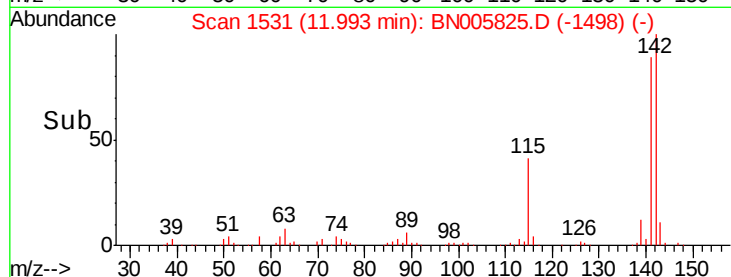
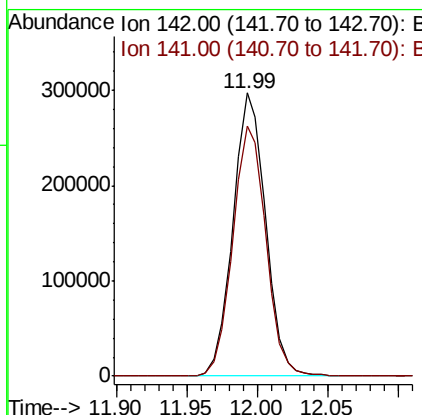
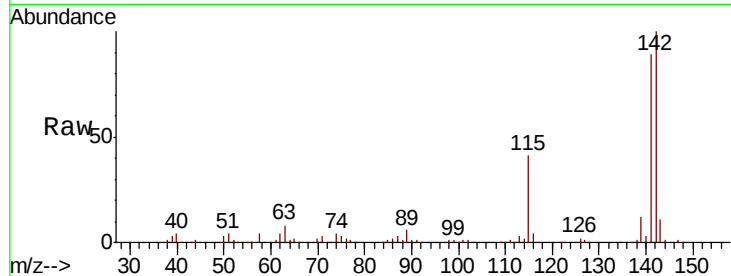




#34
 2-Methylnaphthalene
 Concen: 52.698 ng/ul
 RT: 11.99 min Scan# 1531
 Delta R.T. -0.01 min
 Lab File: BN005825.D
 Acq: 21 May 2019 14:30

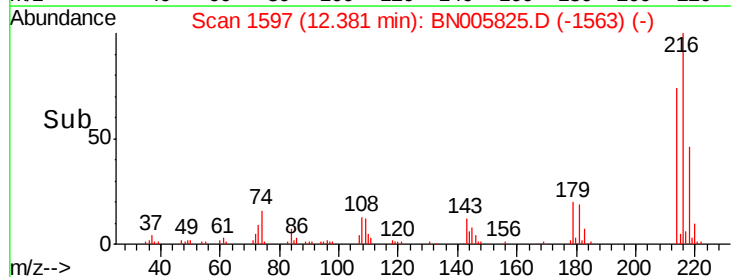
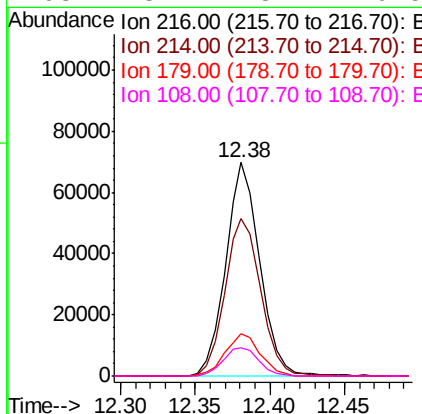
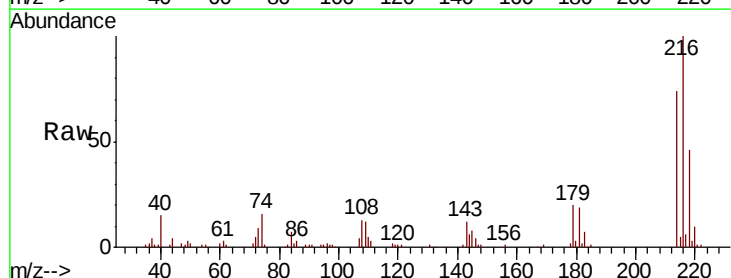
Instrument :
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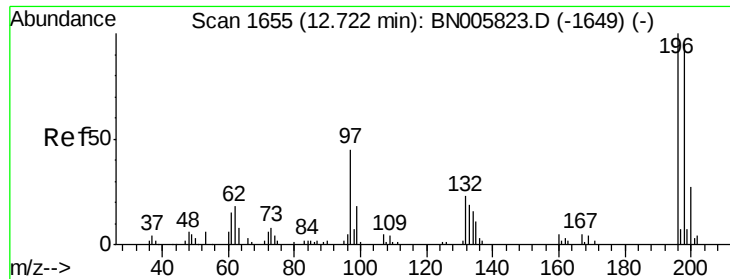
Tot Ion:142 Resp: 480276
 Ion Ratio Lower Upper
 142 100
 141 88.6 72.0 108.0



#36
 1,2,4,5-Tetrachlorobenzene
 Concen: 20.628 ng/ul
 RT: 12.38 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: BN005825.D
 Acq: 21 May 2019 14:30

Tgt Ion:216 Resp: 111487
 Ion Ratio Lower Upper
 216 100
 214 73.9 64.1 96.1
 179 19.6 17.4 26.0
 108 13.1 13.7 20.5#





#39

2,4,5-Trichlorophenol

Concen: 65.529 ng/ul

RT: 12.71 min Scan# 1653

Delta R.T. -0.01 min

Lab File: BN005825.D

Acq: 21 May 2019 14:30

Instrument :

BNA_N

ClientSampleId :

A5113

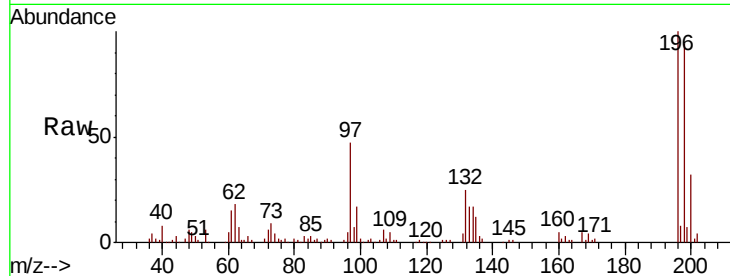
Tot Ion:196 Resp: 230296

Ion Ratio Lower Upper

196 100

198 94.4 75.0 112.4

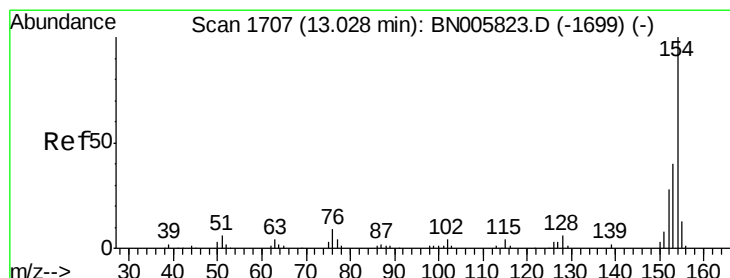
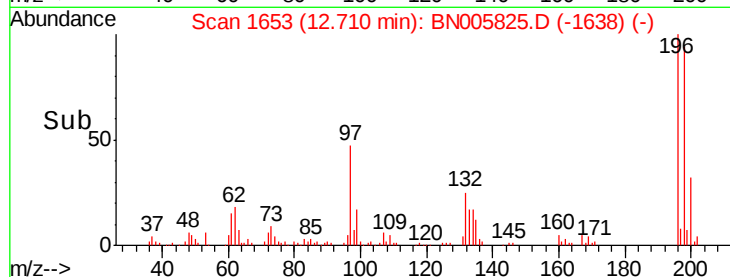
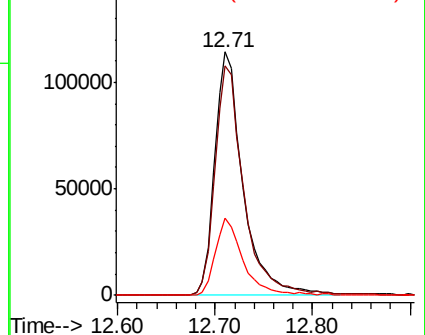
200 31.6 24.2 36.4



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#40

1,1'-Biphenyl

Concen: 39.431 ng/ul

RT: 13.02 min Scan# 1706

Delta R.T. -0.01 min

Lab File: BN005825.D

Acq: 21 May 2019 14:30

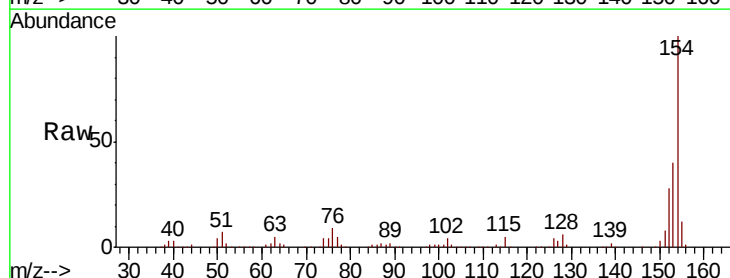
Tgt Ion:154 Resp: 481307

Ion Ratio Lower Upper

154 100

153 39.8 32.6 49.0

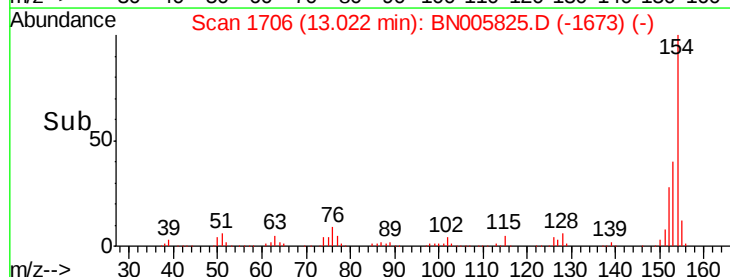
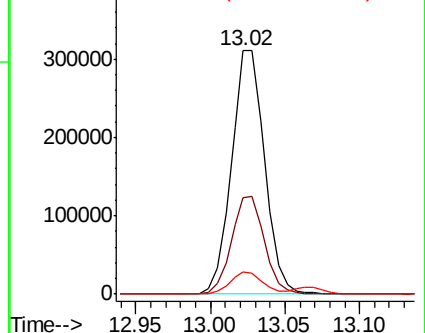
76 9.0 10.4 15.6#

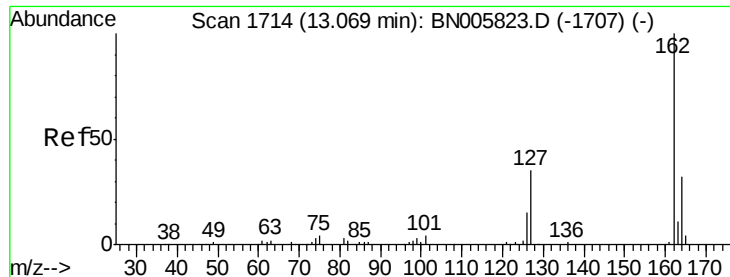


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BNC

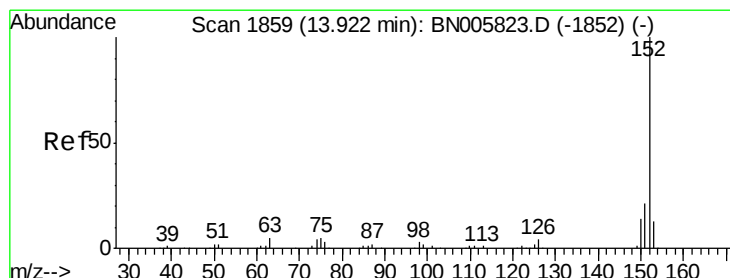
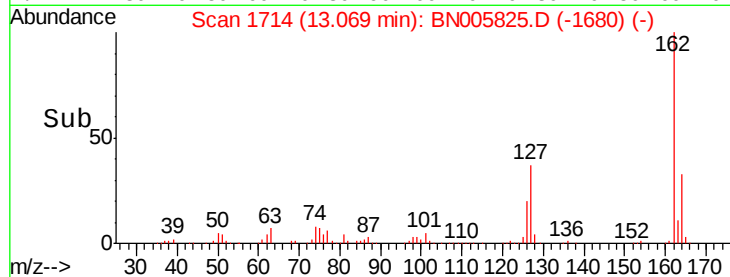
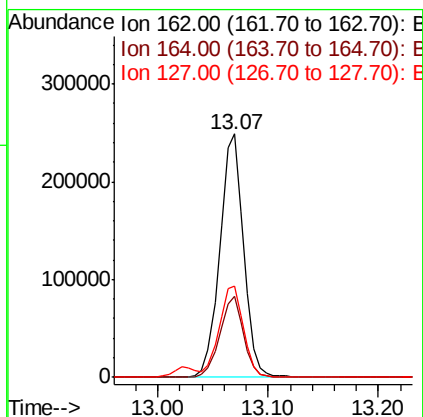
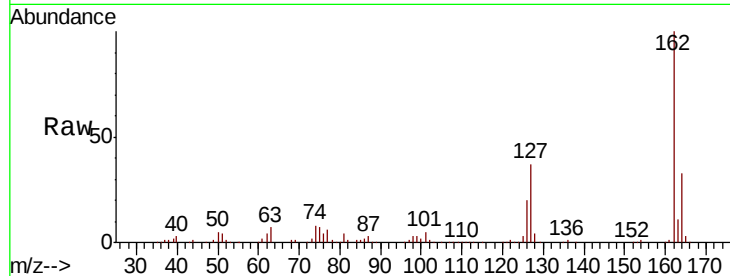




#41
2-Chloronaphthalene
Concen: 38.746 ng/ul
RT: 13.07 min Scan# 1714
Delta R.T. 0.00 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

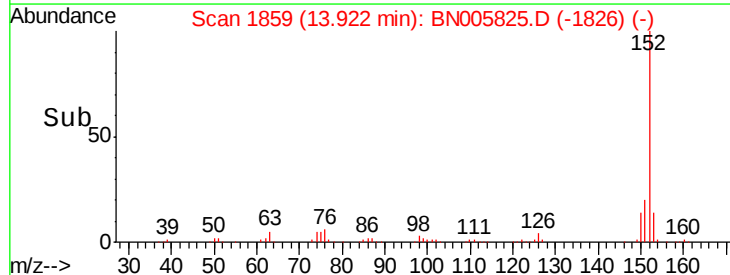
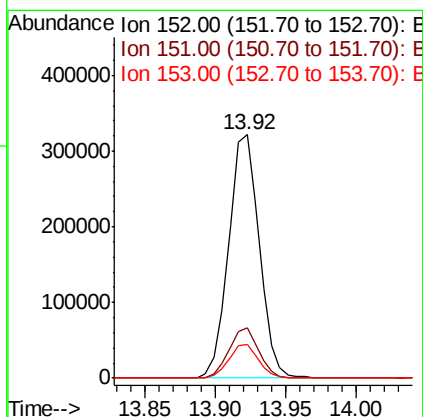
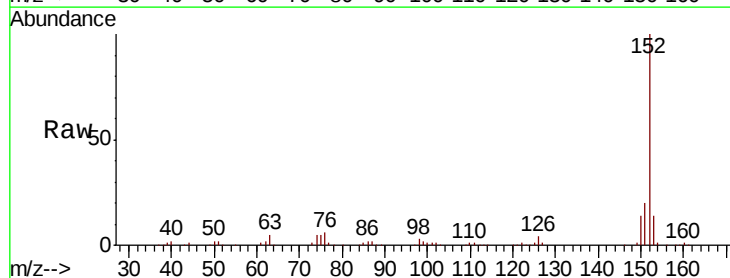
Instrument :
BNA_N
ClientSampleId :
A5113

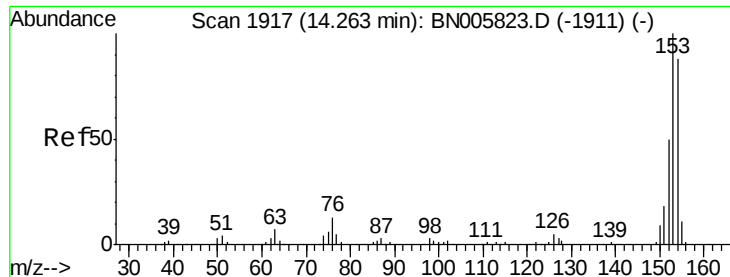
Tot Ion:162 Resp: 373561
Ion Ratio Lower Upper
162 100
164 33.2 26.8 40.2
127 37.5 33.5 50.3



#47
Acenaphthylene
Concen: 32.214 ng/ul
RT: 13.92 min Scan# 1859
Delta R.T. -0.01 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Tgt Ion:152 Resp: 486825
Ion Ratio Lower Upper
152 100
151 20.4 15.8 23.8
153 13.6 9.8 14.8





#49

Acenaphthene

Concen: 32.204 ng/ul

RT: 14.26 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BN005825.D

Acq: 21 May 2019 14:30

Instrument :

BNA_N

ClientSampleId :

A5113

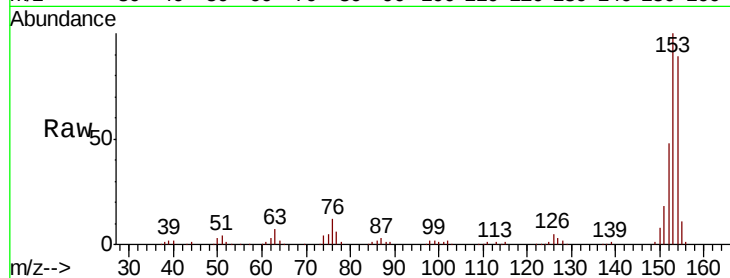
Tot Ion:153 Resp: 329750

Ion Ratio Lower Upper

153 100

152 47.6 37.4 56.0

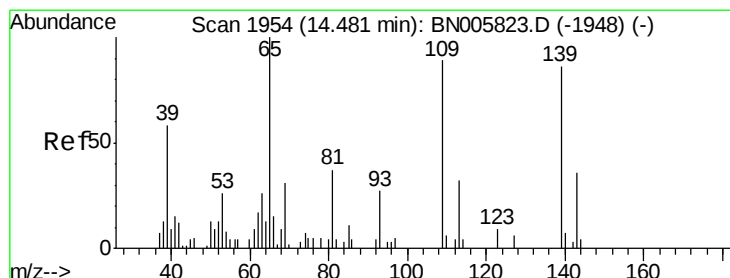
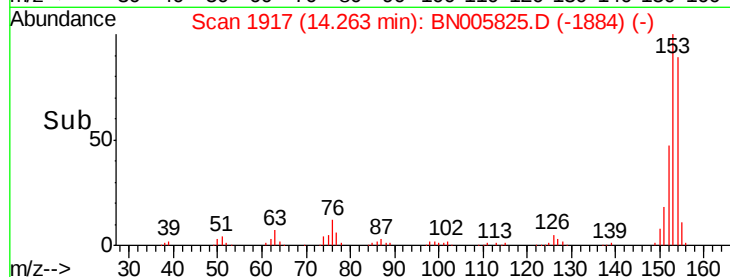
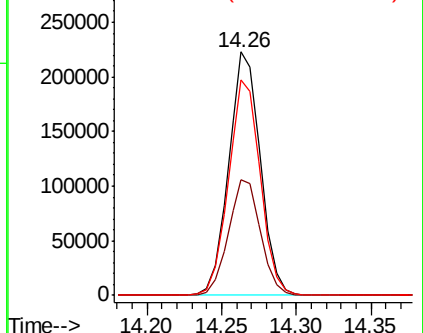
154 88.7 71.2 106.8



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



#52

4-Nitrophenol

Concen: 30.070 ng/ul

RT: 14.47 min Scan# 1953

Delta R.T. 0.01 min

Lab File: BN005825.D

Acq: 21 May 2019 14:30

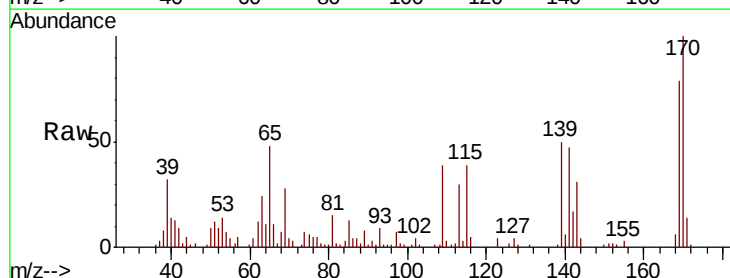
Tgt Ion:109 Resp: 51099

Ion Ratio Lower Upper

109 100

139 128.8 92.3 138.5

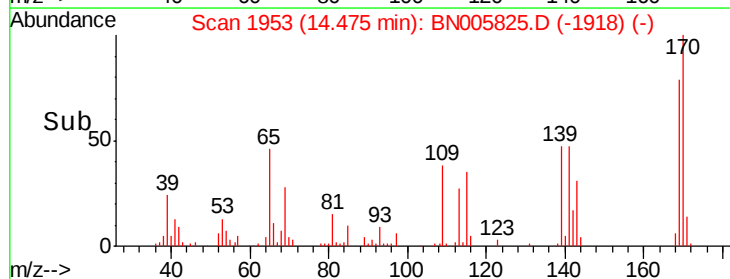
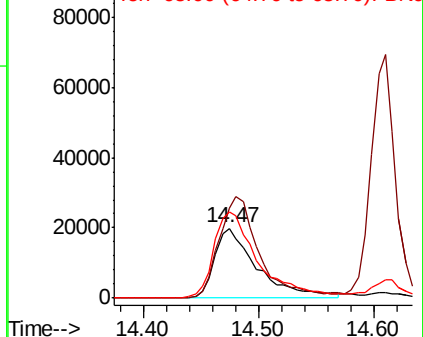
65 124.1 97.5 146.3

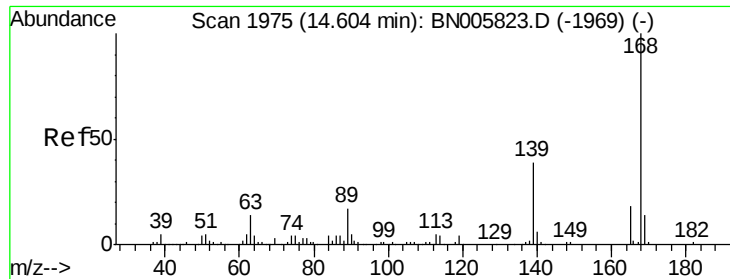


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNC





#53

Dibenzofuran

Concen: 16.932 ng/ul

RT: 14.61 min Scan# 1976

Delta R.T. 0.00 min

Lab File: BN005825.D

Acq: 21 May 2019 14:30

Instrument :

BNA_N

ClientSampleId :

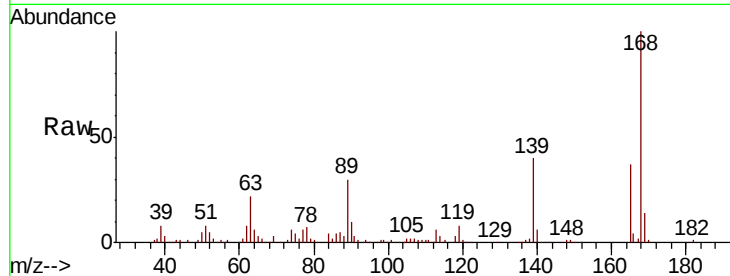
A5113

Tot Ion:168 Resp: 257233

Ion Ratio Lower Upper

168 100

139 39.6 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.61

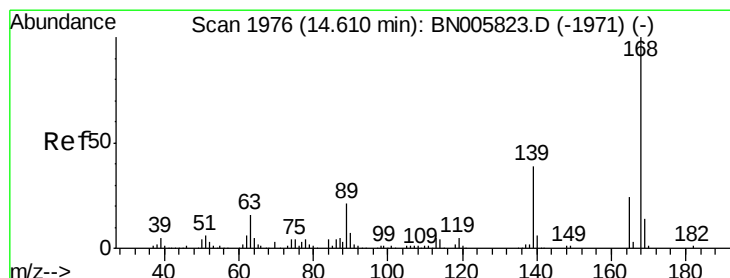
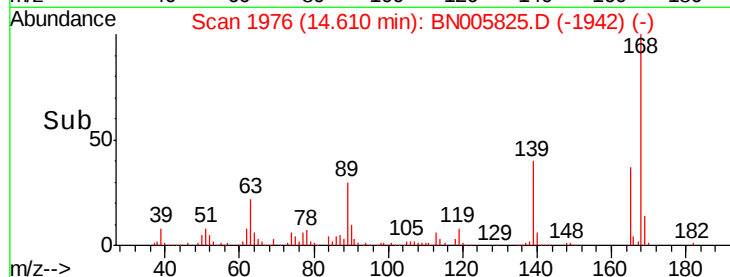
150000

100000

50000

0

Time-->



#54

2,4-Dinitrotoluene

Concen: 25.964 ng/ul

RT: 14.62 min Scan# 1977

Delta R.T. 0.01 min

Lab File: BN005825.D

Acq: 21 May 2019 14:30

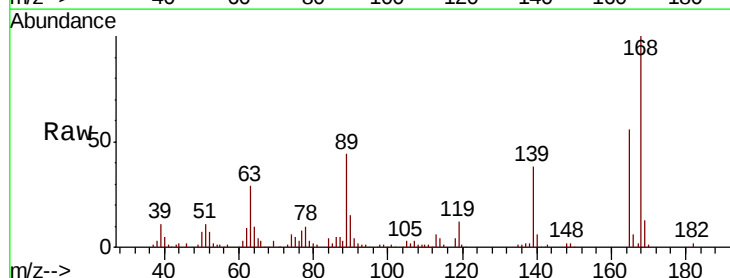
Tgt Ion:165 Resp: 104407

Ion Ratio Lower Upper

165 100

63 52.1 38.9 58.3

182 3.2 2.6 3.8



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 182.00 (181.70 to 182.70): E

14.62

80000

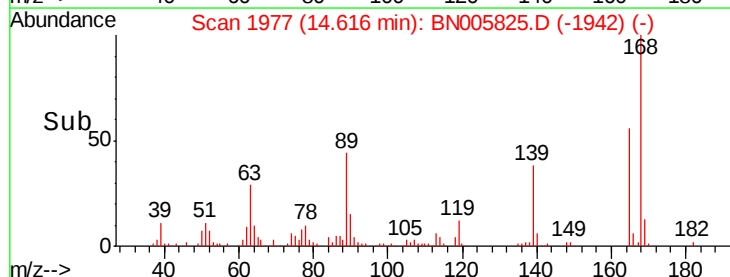
60000

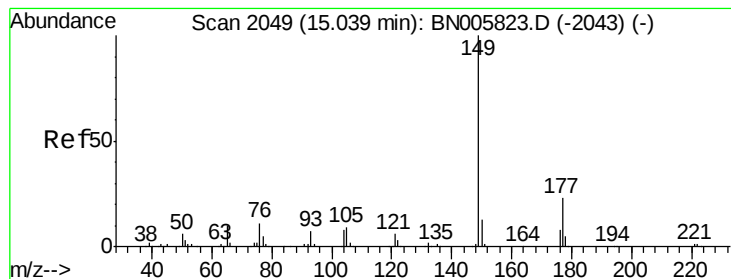
40000

20000

0

Time-->





#56

Diethylphthalate

Concen: 22.146 ng/ul

RT: 15.05 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BN005825.D

Acq: 21 May 2019 14:30

Instrument :

BNA_N

ClientSampleId :

A5113

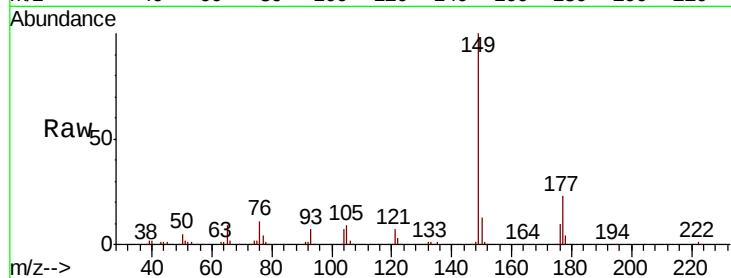
Tot Ion:149 Resp: 285431

Ion Ratio Lower Upper

149 100

177 23.5 17.7 26.5

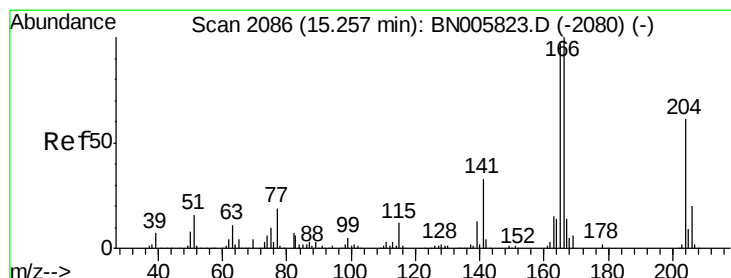
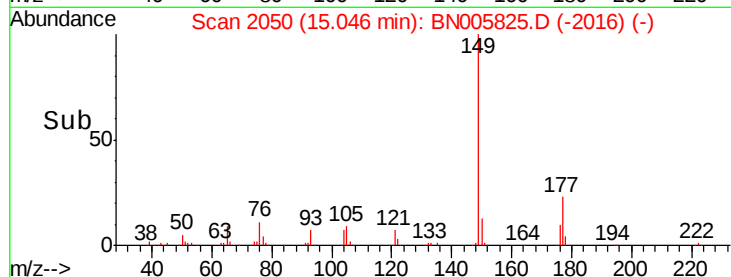
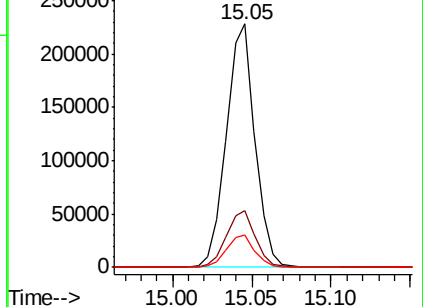
150 13.1 10.0 15.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#58

Fluorene

Concen: 39.476 ng/ul

RT: 15.26 min Scan# 2087

Delta R.T. 0.00 min

Lab File: BN005825.D

Acq: 21 May 2019 14:30

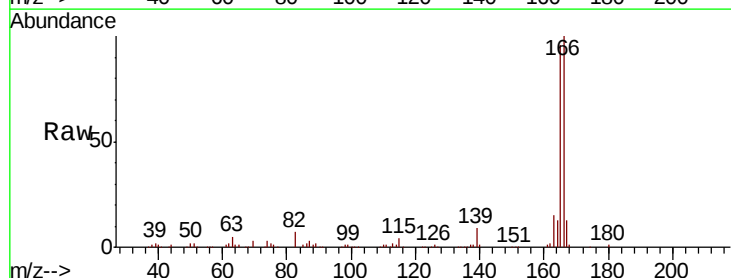
Tgt Ion:166 Resp: 487802

Ion Ratio Lower Upper

166 100

165 96.3 80.0 120.0

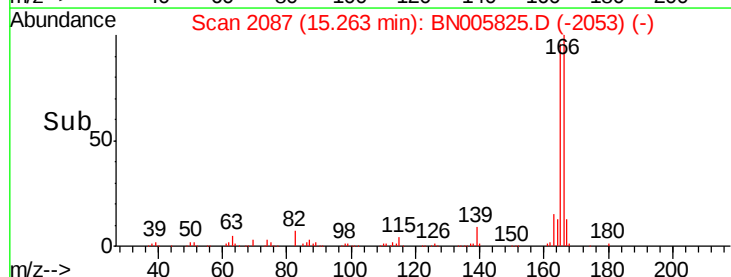
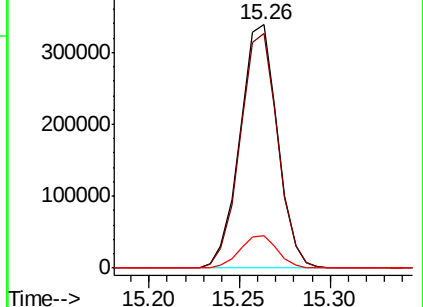
167 13.4 10.7 16.1

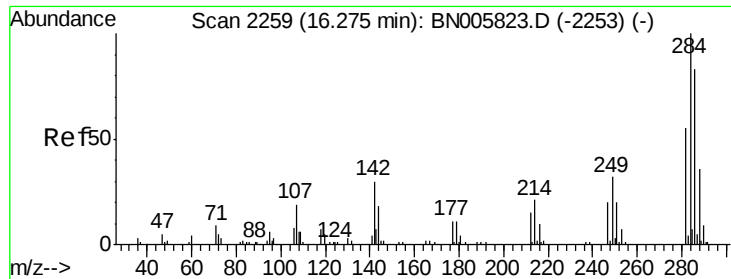


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#66

Hexachlorobenzene

Concen: 17.839 ng/ul

RT: 16.27 min Scan# 2259

Delta R.T. -0.01 min

Lab File: BN005825.D

Acq: 21 May 2019 14:30

Instrument :

BNA_N

ClientSampleId :

A5113

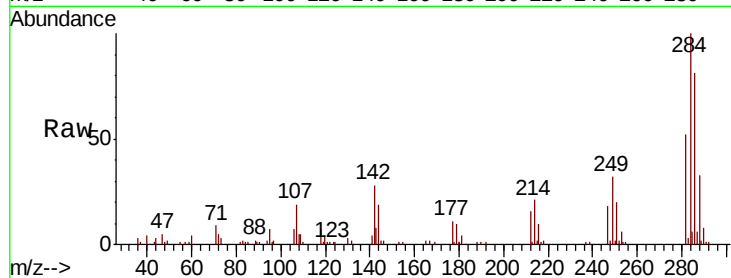
Tot Ion:284 Resp: 89564

Ion Ratio Lower Upper

284 100

142 28.5 29.4 44.2#

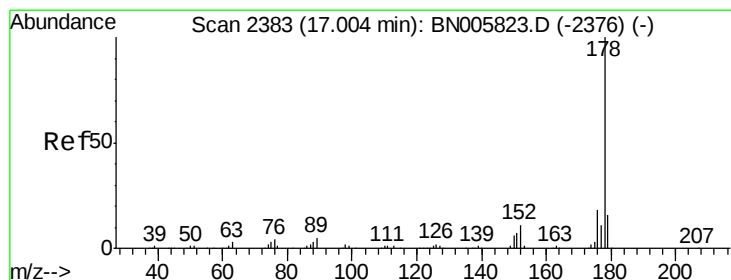
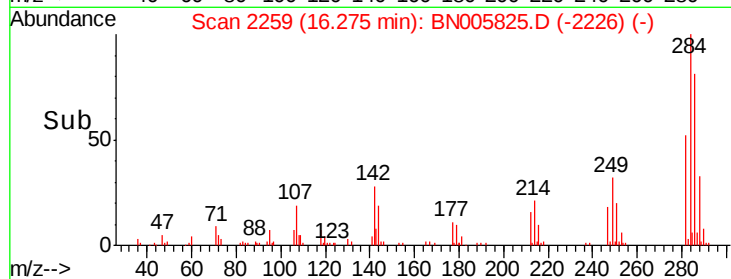
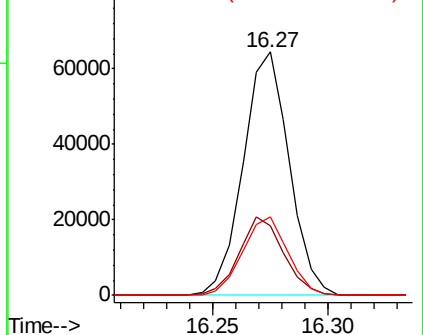
249 32.3 26.1 39.1



Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#69

Phenanthrene

Concen: 33.714 ng/ul

RT: 17.00 min Scan# 2383

Delta R.T. -0.01 min

Lab File: BN005825.D

Acq: 21 May 2019 14:30

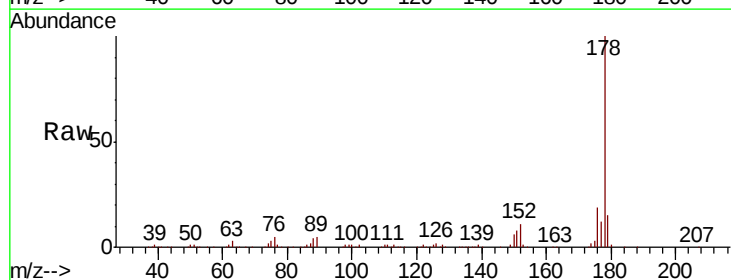
Tgt Ion:178 Resp: 714230

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.4

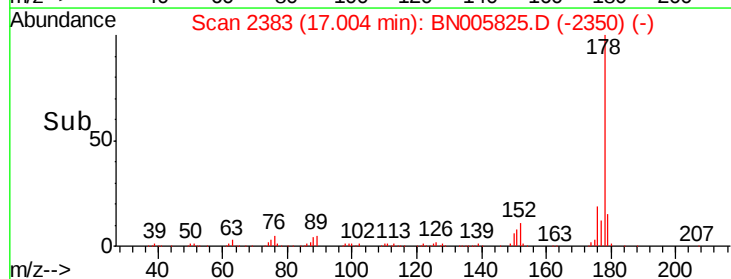
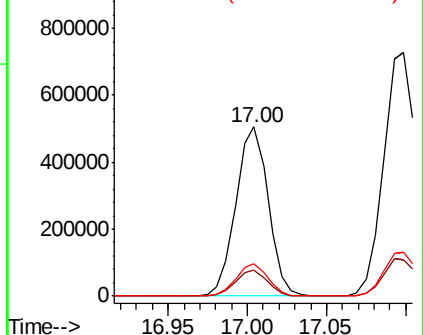
176 19.0 15.1 22.7

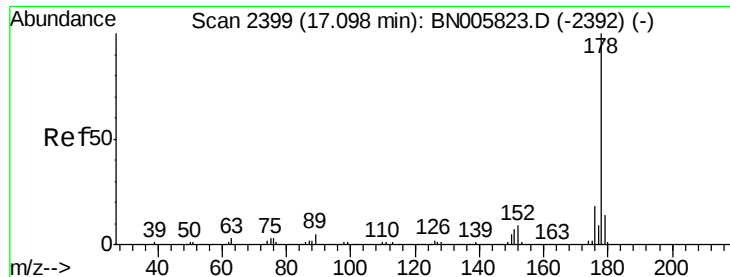


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



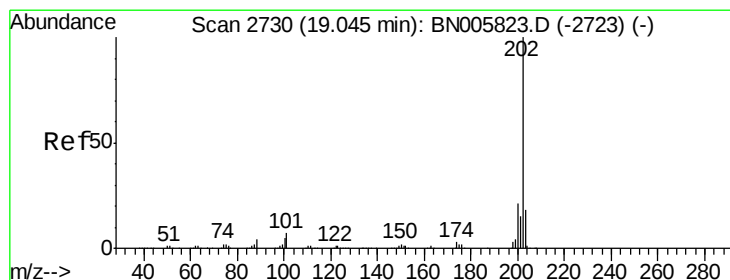
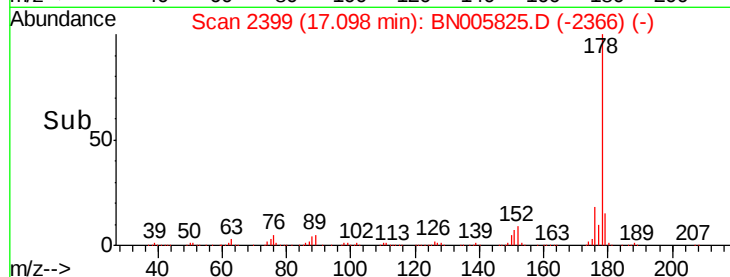
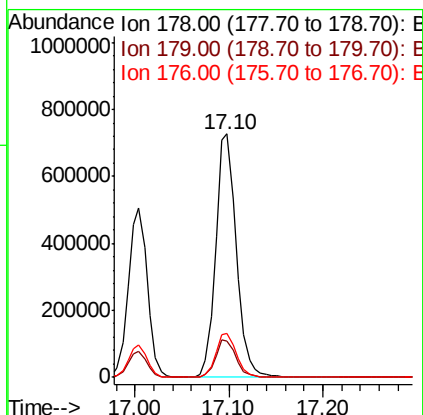
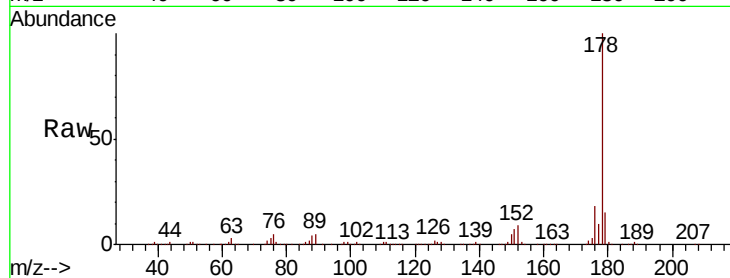


#71
 Anthracene
 Concen: 51.647 ng/ul
 RT: 17.10 min Scan# 2399
 Delta R.T. -0.01 min
 Lab File: BN005825.D
 Acq: 21 May 2019 14:30

Instrument :
 BNA_N
 ClientSampleId :
 A5113

Tot Ion:178 Resp: 1114059

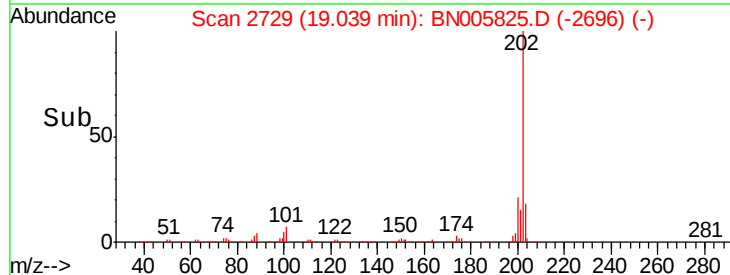
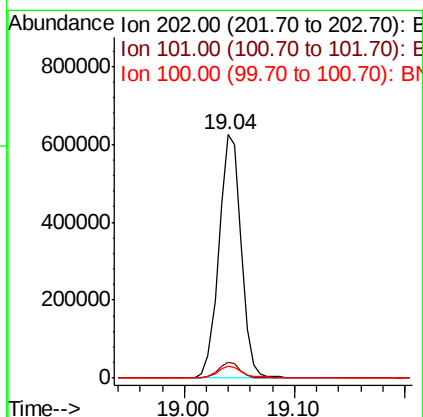
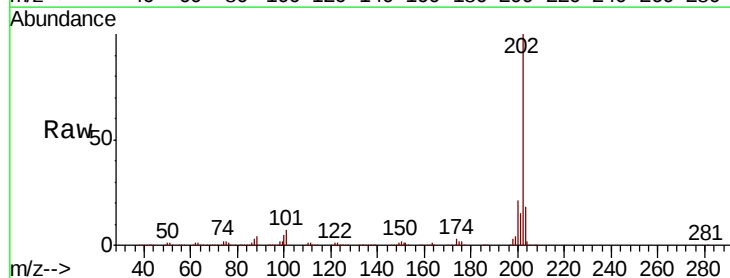
Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.3	18.5
176	18.3	15.1	22.7

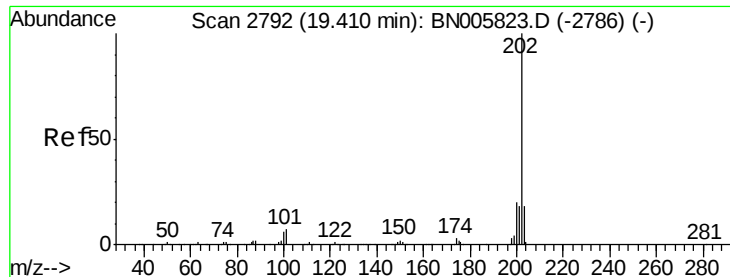


#76
 Fluoranthene
 Concen: 33.418 ng/ul
 RT: 19.04 min Scan# 2729
 Delta R.T. -0.01 min
 Lab File: BN005825.D
 Acq: 21 May 2019 14:30

Tgt Ion:202 Resp: 875286

Ion	Ratio	Lower	Upper
202	100		
101	6.5	8.6	12.8#
100	5.0	6.3	9.5#





#79

Pvrene

Concen: 27.069 ng/ul

RT: 19.41 min Scan# 2792

Delta R.T. -0.01 min

Lab File: BN005825.D

Acq: 21 May 2019 14:30

Instrument :

BNA_N

ClientSampleId :

A5113

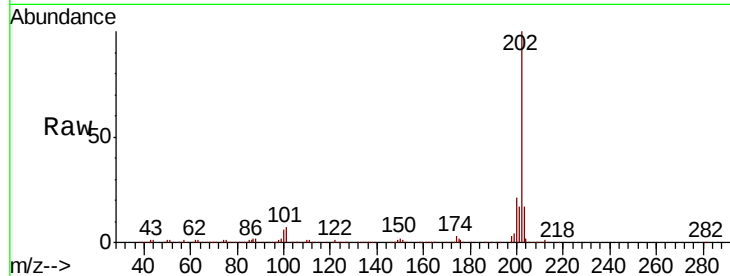
Tot Ion:202 Resp: 801888

Ion Ratio Lower Upper

202 100

101 6.7 10.3 15.5#

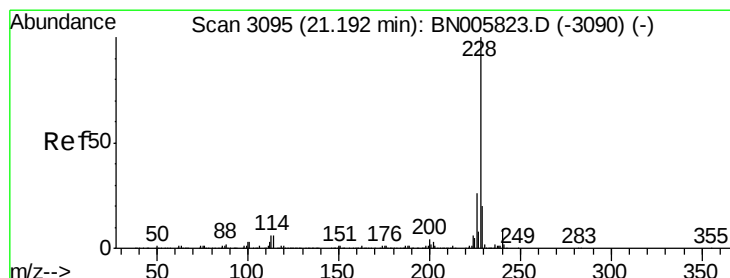
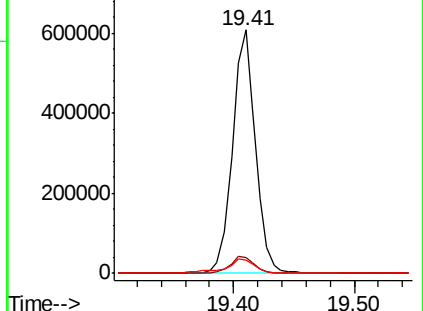
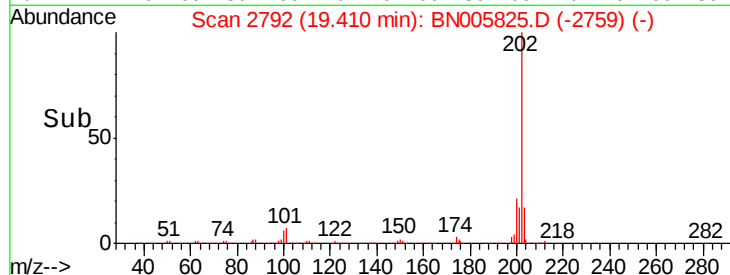
100 5.5 7.9 11.9#



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: 24.626 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BN005825.D

Acq: 21 May 2019 14:30

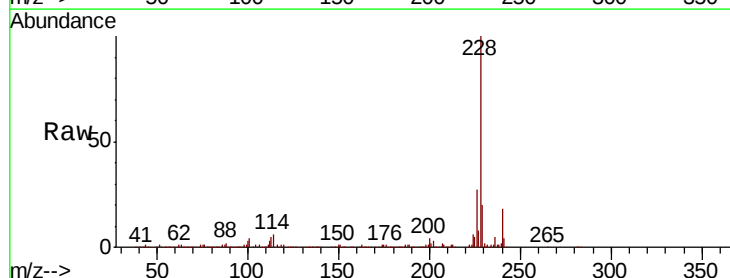
Tgt Ion:228 Resp: 748412

Ion Ratio Lower Upper

228 100

229 19.7 15.8 23.6

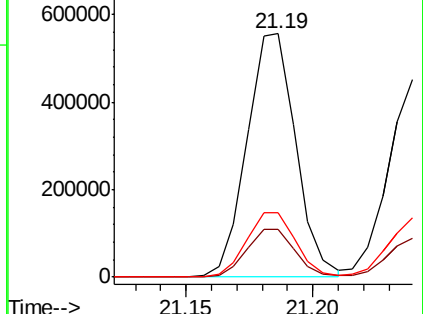
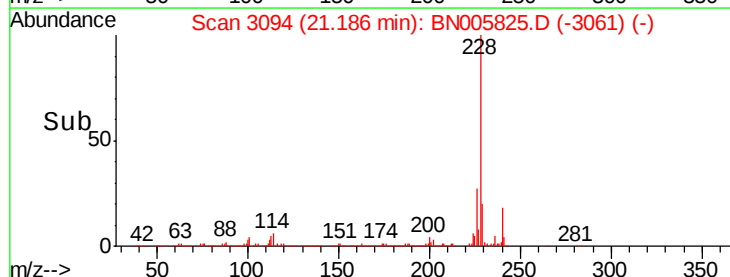
226 26.5 21.4 32.2

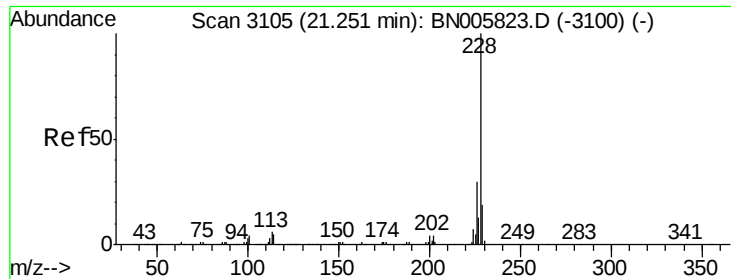


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 22.283 ng/ul

RT: 21.24 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BN005825.D

Acq: 21 May 2019 14:30

Instrument :

BNA_N

ClientSampleId :

A5113

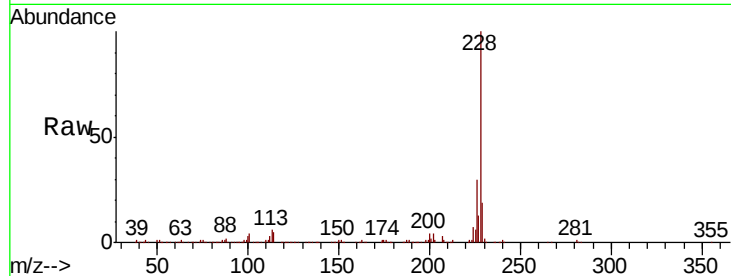
Tot Ion:228 Resp: 638404

Ion Ratio Lower Upper

228 100

226 30.0 24.0 36.0

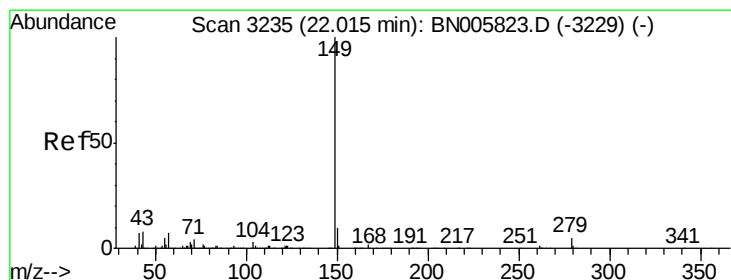
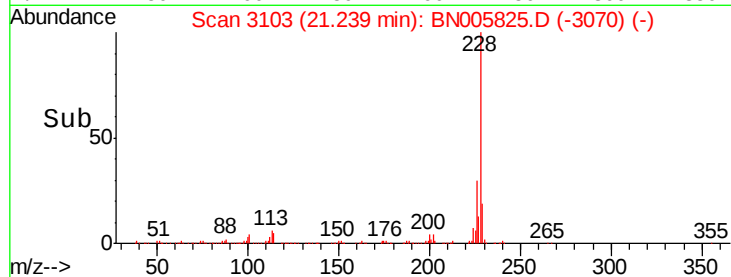
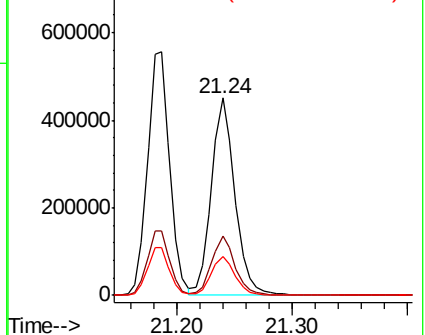
229 19.4 15.4 23.0



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



#86

Di-n-octyl phthalate

Concen: 22.549 ng/ul

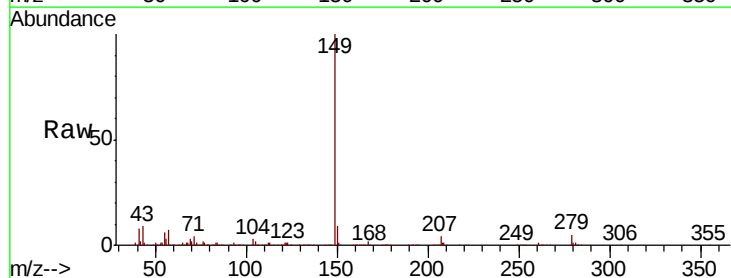
RT: 22.00 min Scan# 3232

Delta R.T. -0.01 min

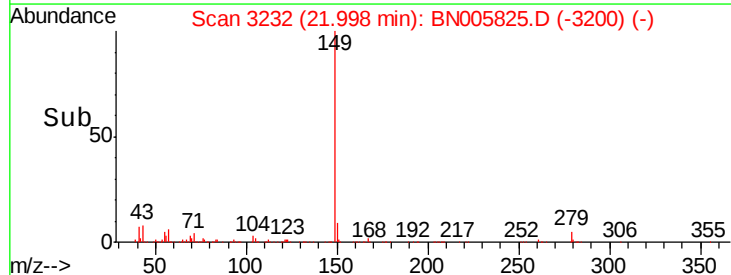
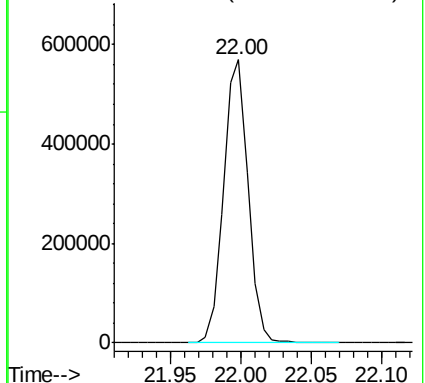
Lab File: BN005825.D

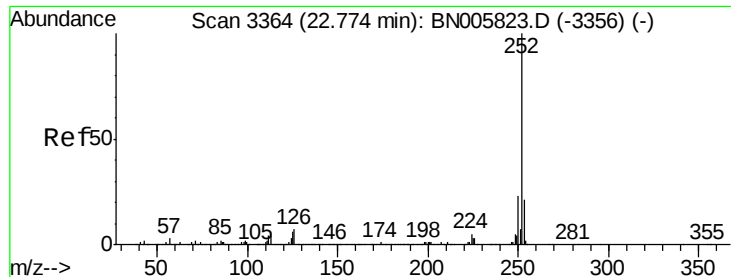
Acq: 21 May 2019 14:30

Tgt Ion:149 Resp: 682502



Abundance Ion 149.00 (148.70 to 149.70): E

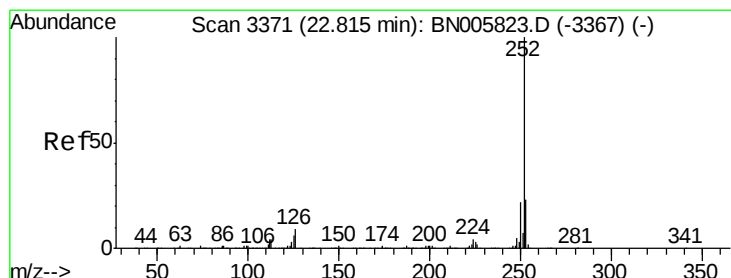
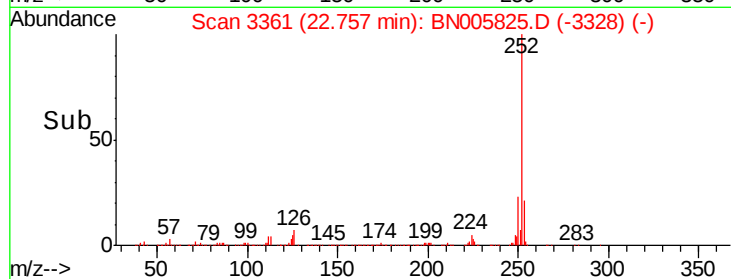
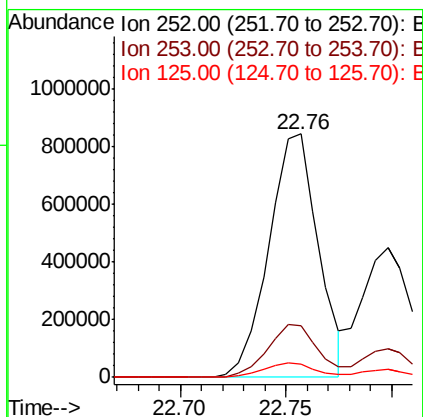
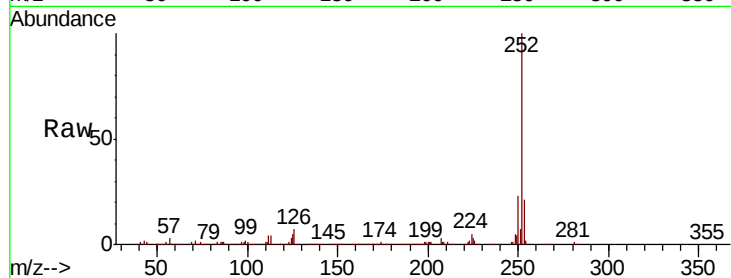




#87
Benzo(b)fluoranthene
Concen: 44.148 ng/ul
RT: 22.76 min Scan# 3361
Delta R.T. -0.01 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

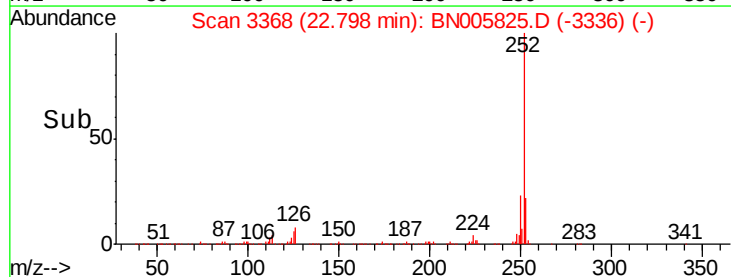
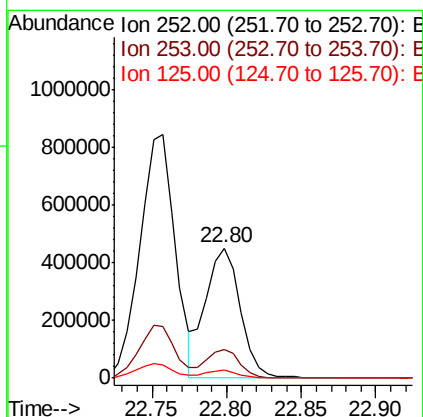
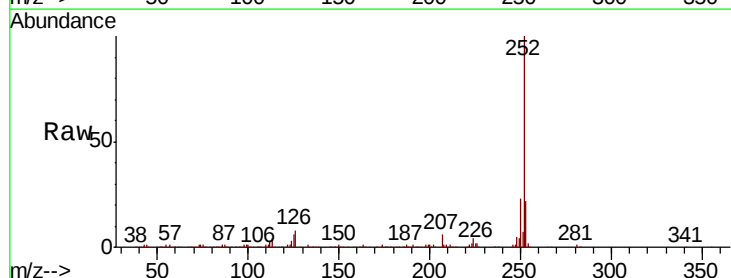
Instrument :
BNA_N
ClientSampleId :
A5113

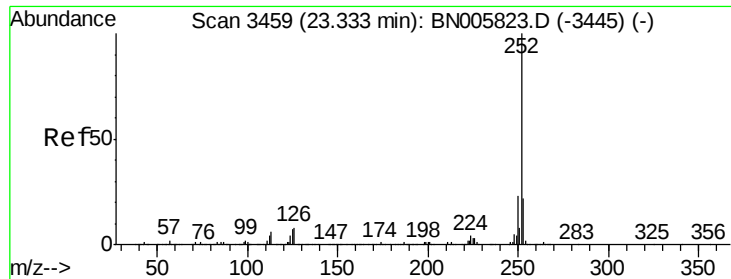
Tot Ion:252 Resp: 1377768
Ion Ratio Lower Upper
252 100
253 21.3 17.7 26.5
125 5.4 8.4 12.6#



#88
Benzo(k)fluoranthene
Concen: 24.202 ng/ul
RT: 22.80 min Scan# 3368
Delta R.T. -0.01 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Tgt Ion:252 Resp: 730832
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 5.9 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 23.168 ng/u1

RT: 23.31 min Scan# 3455

Delta R.T. -0.02 min

Lab File: BN005825.D

Acq: 21 May 2019 14:30

Instrument :

BNA_N

ClientSampled :

A5113

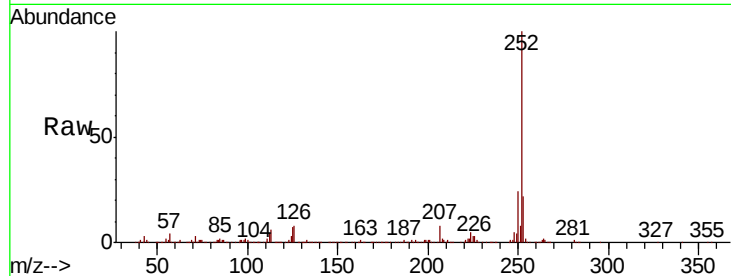
Tot Ion:252 Resp: 700142

Ion Ratio Lower Upper

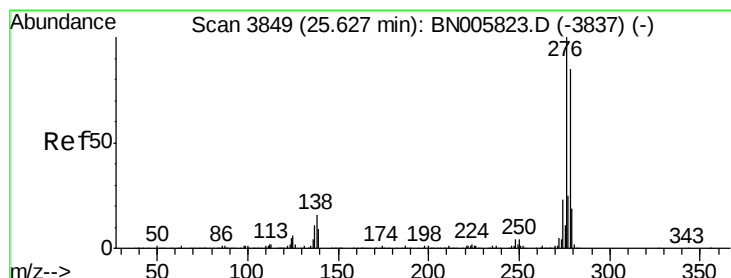
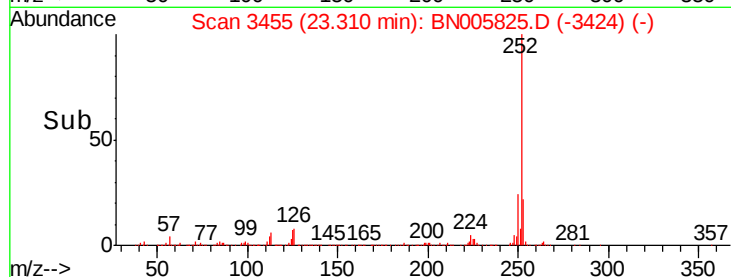
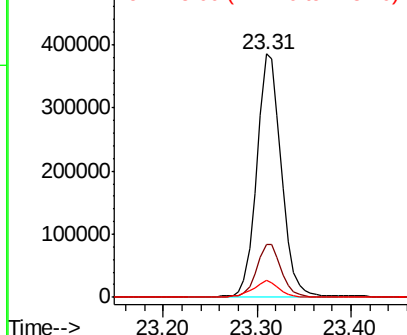
252 100

253 21.9 17.3 25.9

125 6.8 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: 24.605 ng/u1

RT: 25.60 min Scan# 3844

Delta R.T. -0.02 min

Lab File: BN005825.D

Acq: 21 May 2019 14:30

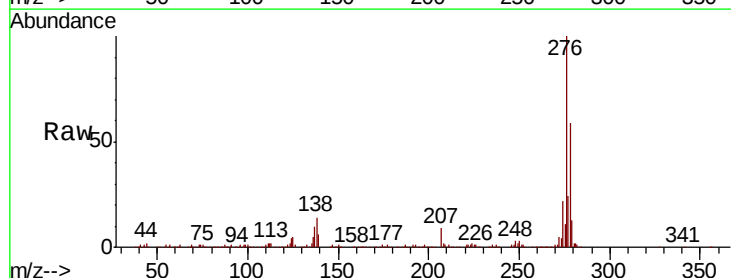
Tgt Ion:276 Resp: 909067

Ion Ratio Lower Upper

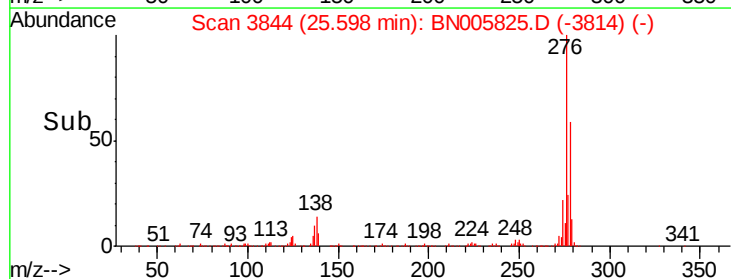
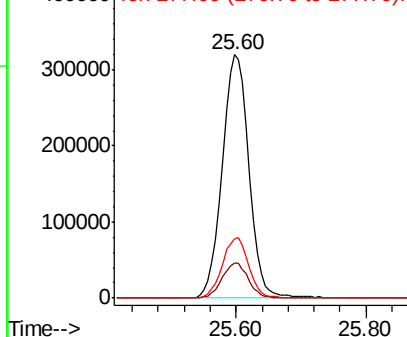
276 100

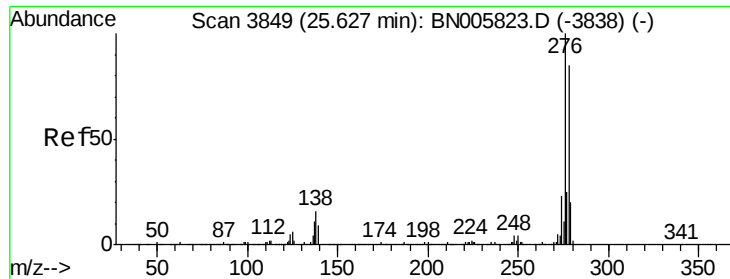
138 14.2 17.9 26.9#

277 24.4 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: 16.867 ng/ul

RT: 25.60 min Scan# 3845

Delta R.T. -0.02 min

Lab File: BN005825.D

Acq: 21 May 2019 14:30

Instrument :

BNA_N

ClientSampled :

A5113

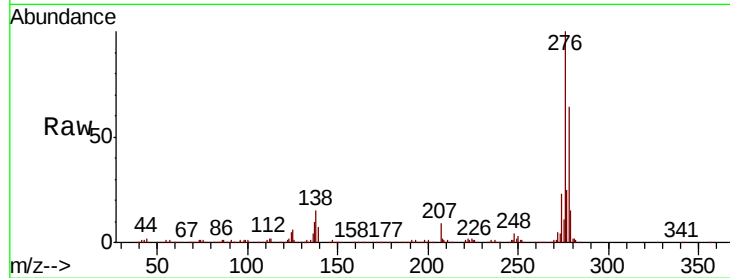
Tot Ion:278 Resp: 524593

Ion Ratio Lower Upper

278 100

139 10.4 13.1 19.7#

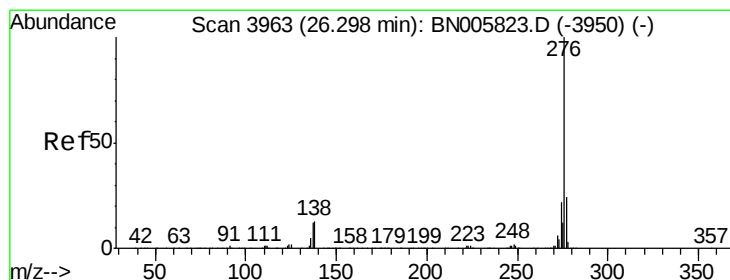
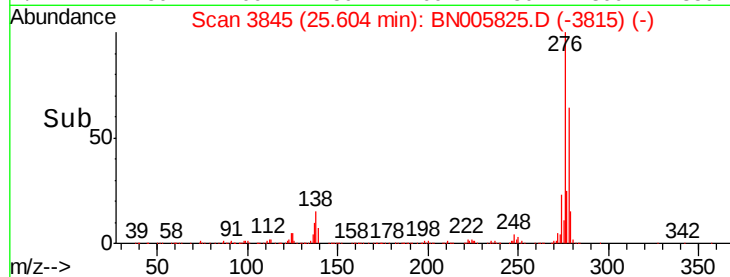
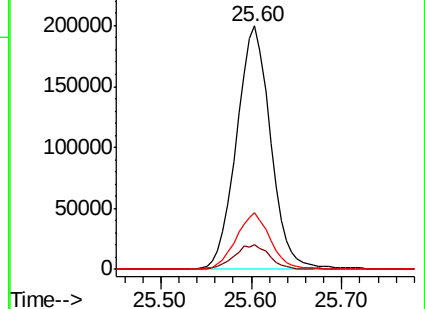
279 23.5 19.4 29.0



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: 39.616 ng/ul

RT: 26.27 min Scan# 3959

Delta R.T. -0.02 min

Lab File: BN005825.D

Acq: 21 May 2019 14:30

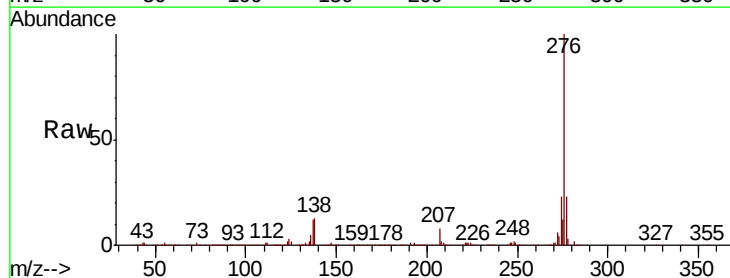
Tgt Ion:276 Resp: 1223524

Ion Ratio Lower Upper

276 100

138 12.9 16.7 25.1#

277 23.3 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

