

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
 Data File : BF113723.D
 Acq On : 11 Apr 2019 16:35
 Operator : JU/SJ
 Sample : K2342-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 12 01:00:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	120525	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	449251	20.00	ng	-0.01
39) Acenaphthene-d10	9.70	164	216972	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	445453	20.00	ng	-0.02
76) Chrysene-d12	13.82	240	348837	20.00	ng	-0.02
87) Perylene-d12	15.23	264	330802	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	814831	115.29	ng	0.00
7) Phenol-d6	6.33	99	957264	109.89	ng	-0.01
23) Nitrobenzene-d5	7.24	82	731919	95.43	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	369897	141.92	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	1373618	101.92	ng	-0.02
79) Terphenyl-d14	12.77	244	1532723	89.46	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.20	88	231	0.069	ng	# 20
4) n-Nitrosodimethylamine	2.93	42	223	0.060	ng	# 1
6) Aniline	6.45	93	1260	0.119	ng	# 1
9) Benzaldehyde	6.30	77	699	0.135	ng	# 49
10) Phenol	6.34	94	2005	0.202	ng	# 1
11) bis(2-Chloroethyl)ether	6.45	93	1260	0.163	ng	# 1
15) Benzyl Alcohol	6.83	79	10683	1.814	ng	# 44
16) 2,2'-oxybis(1-Chloropropan	6.97	45	88	0.007	ng	# 63
18) Hexachloroethane	7.24	117	154	0.048	ng	# 1
19) n-Nitroso-di-n-propylamine	7.24	70	93895	17.479	ng	# 77
22) Acetophenone	7.12	105	246	0.025	ng	# 51
24) Nitrobenzene	7.24	77	1755	0.222	ng	# 31
25) Isophorone	7.24	82	731915	49.539	ng	# 64
31) Naphthalene	7.97	128	2638	0.121	ng	# 68
37) 2-Methylnaphthalene	8.78	142	736	0.051	ng	# 86
38) 1-Methylnaphthalene	8.78	142	736	0.053	ng	# 80
46) 1,1'-Biphenyl	9.13	154	2525	0.141	ng	# 85
48) 2-Nitroaniline	9.03	65	2045	0.493	ng	# 1
49) Acenaphthylene	9.73	152	462	0.021	ng	# 1
50) Dimethylphthalate	9.44	163	4711	0.295	ng	# 97
51) 2,6-Dinitrotoluene	9.70	165	27799	7.885	ng	# 25
52) Acenaphthene	9.74	154	751	0.060	ng	# 87
55) Dibenzofuran	9.94	168	447	0.024	ng	# 45
57) 2,4-Dinitrotoluene	9.70	165	27799	6.520	ng	# 22
58) Fluorene	10.26	166	614	0.042	ng	# 91
60) Diethylphthalate	10.13	149	806	0.052	ng	# 59
63) Azobenzene	10.49	77	1256	0.086	ng	# 3
65) 4,6-Dinitro-2-methylphenol	10.49	198	522	0.223	ng	# 1
66) n-Nitrosodiphenylamine	10.49	169	9887	0.723	ng	# 41
67) 4-Bromophenyl-phenylether	10.49	248	20652	4.134	ng	# 1
71) Phenanthrene	11.21	178	2251	0.102	ng	# 59
72) Anthracene	11.27	178	122	0.005	ng	# 60
74) Di-n-butylphthalate	11.75	149	2609	0.104	ng	# 78
75) Fluoranthene	12.42	202	291	0.012	ng	# 64

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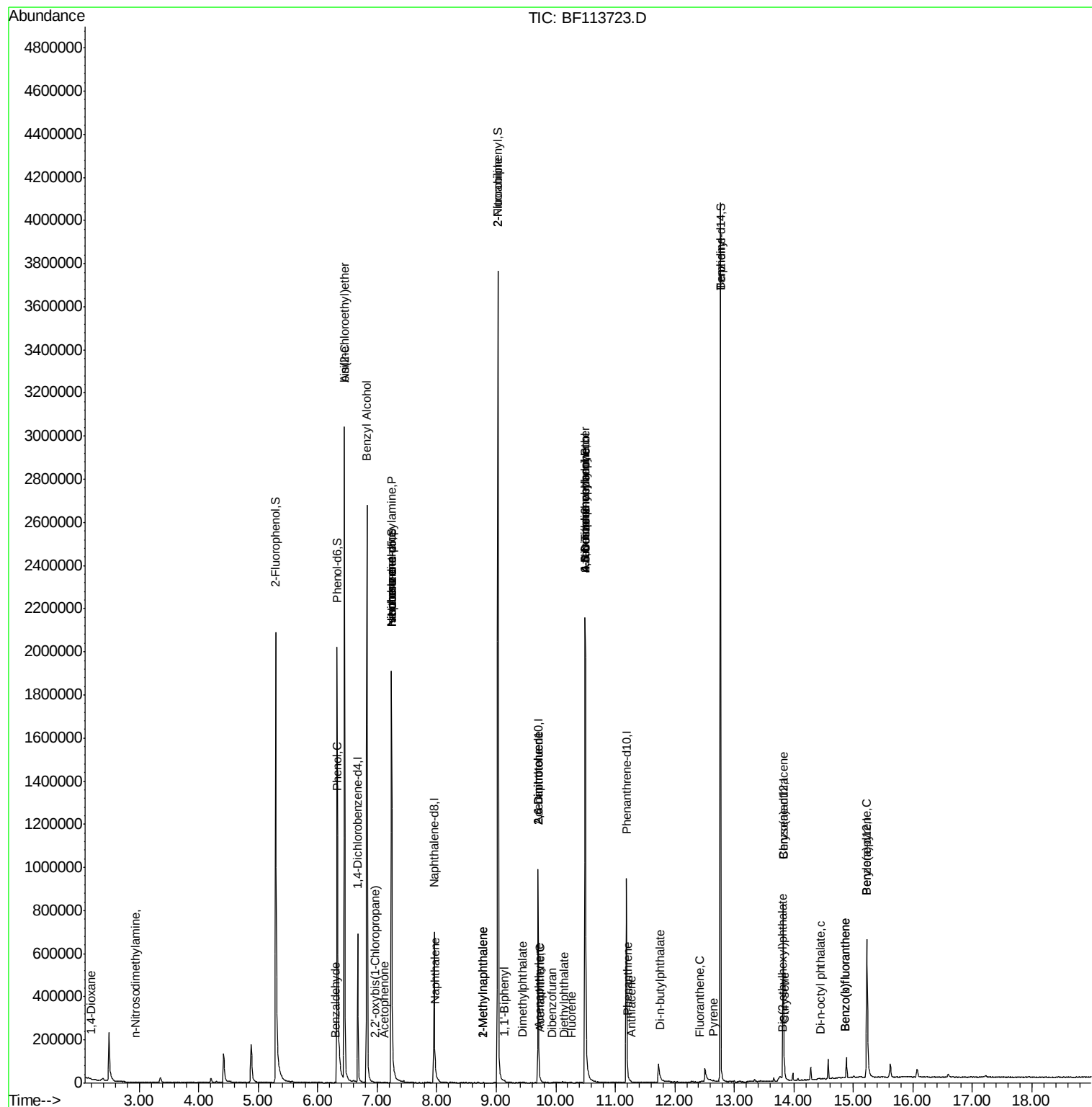
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Benzidine	12.77	184	17785	1.371	nq	# 96
78) Pyrene	12.64	202	289	0.011	nq	# 57
81) Benzo(a)anthracene	13.82	228	869	0.043	nq	# 51
83) Chrysene	13.85	228	116	0.006	nq	# 49
84) Bis(2-ethylhexyl)phthalate	13.80	149	1057	0.081	nq	# 63
85) Di-n-octyl phthalate	14.44	149	153	0.007	nq	# 77
88) Benzo(b)fluoranthene	14.86	252	237	0.012	nq	# 59
89) Benzo(k)fluoranthene	14.86	252	237	0.013	nq	# 60
90) Benzo(a)pyrene	15.23	252	1018	0.057	nq	# 6

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

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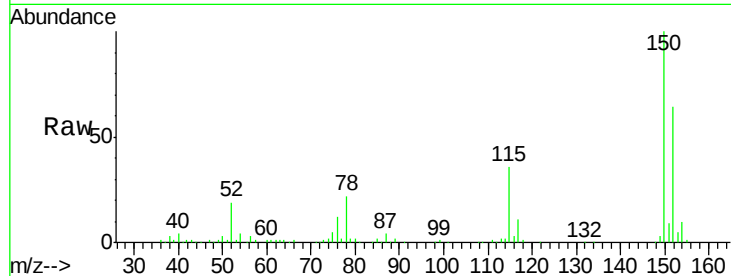


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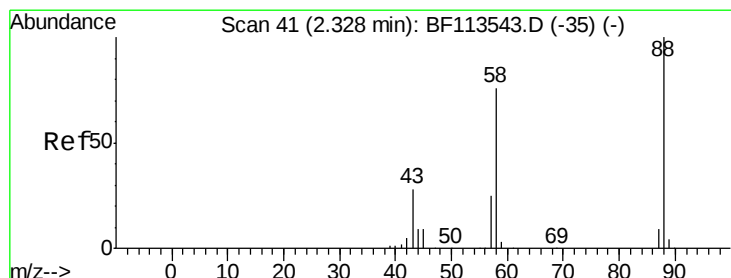
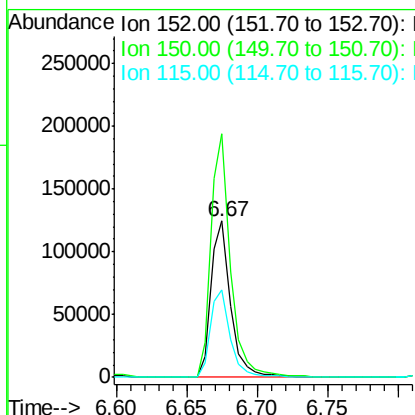
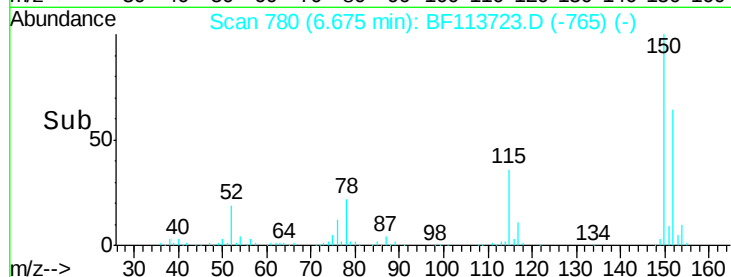
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF113723.D
Acq: 11 Apr 2019 16:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 120525
Ion Ratio Lower Upper
152 100
150 156.0 124.7 187.1
115 56.1 46.0 69.0



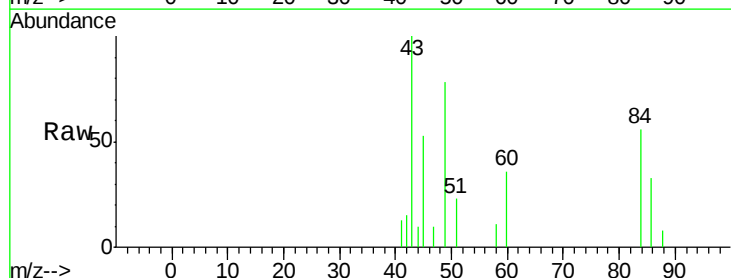
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



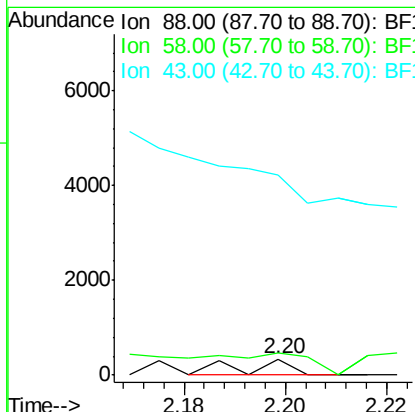
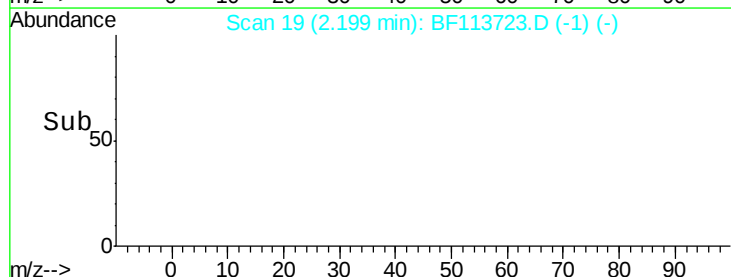
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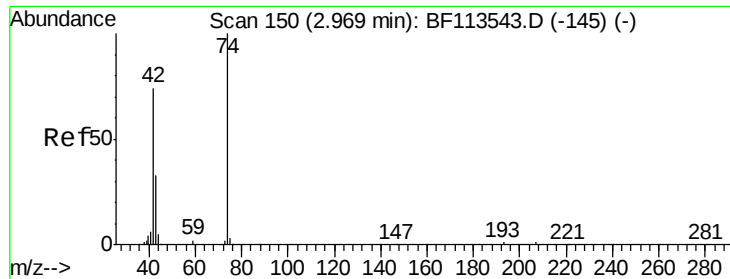
1,4-Dioxane
Concen: 0.069 ng
RT: 2.20 min Scan# 19
Delta R.T. -0.13 min
Lab File: BF113723.D
Acq: 11 Apr 2019 16:35

Tgt Ion: 88 Resp: 231
Ion Ratio Lower Upper
88 100
58 0.0 61.9 92.9#
43 0.0 24.2 36.4#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1



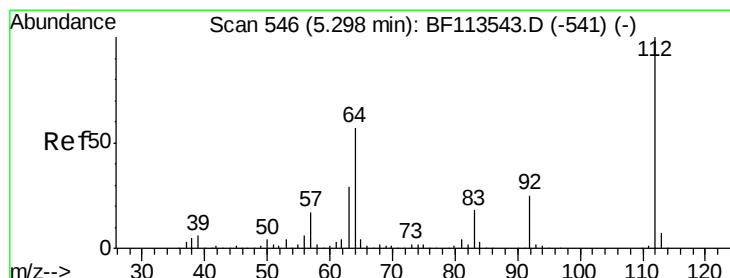
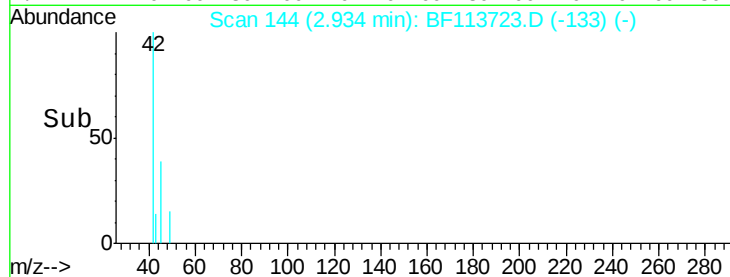
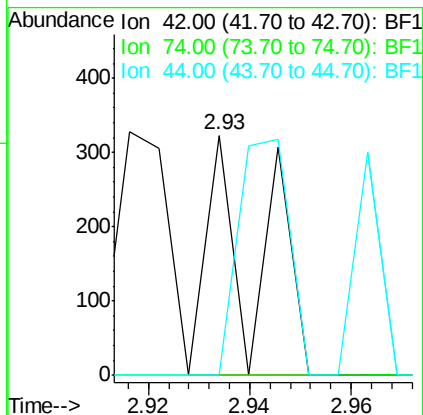
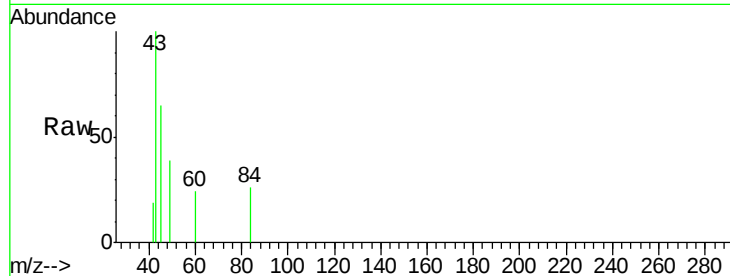


#4

n-Nitrosodimethylamine
 Concen: 0.060 ng
 RT: 2.93 min Scan# 144
 Delta R.T. -0.04 min
 Lab File: BF113723.D
 Acq: 11 Apr 2019 16:35

Instrument :
 BNA_F
 ClientSampleId :

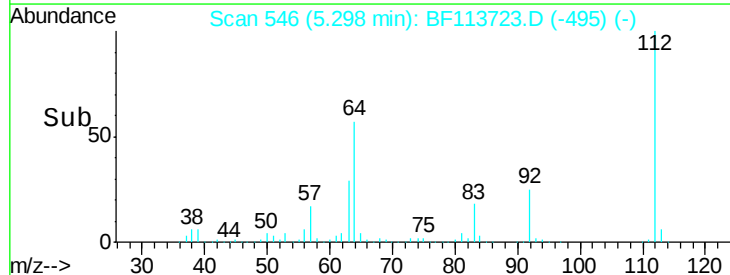
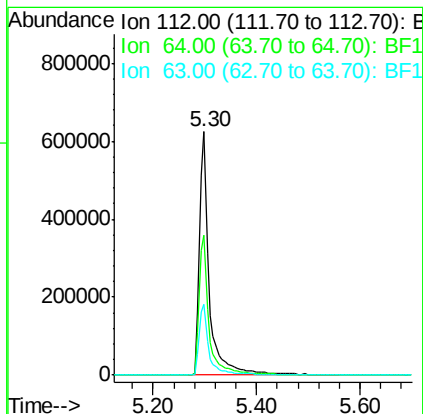
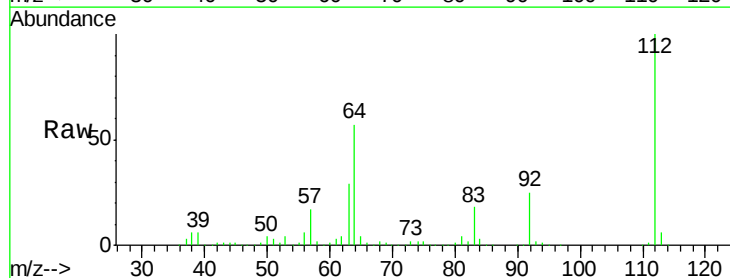
Tot Ion: 42 Resp: 223
 Ion Ratio Lower Upper
 42 100
 74 0.0 102.4 153.6#
 44 0.0 5.5 8.3#

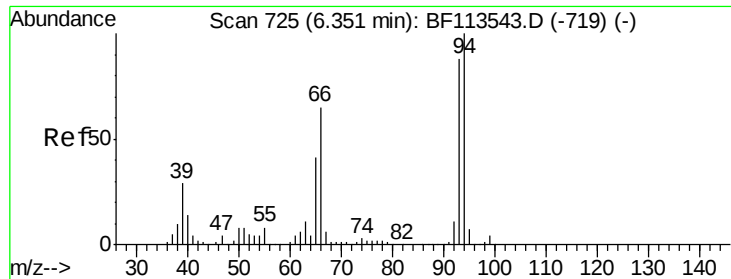


#5

2-Fluorophenol
 Concen: 115.285 ng
 RT: 5.30 min Scan# 546
 Delta R.T. 0.00 min
 Lab File: BF113723.D
 Acq: 11 Apr 2019 16:35

Tgt Ion: 112 Resp: 814831
 Ion Ratio Lower Upper
 112 100
 64 57.5 49.2 73.8
 63 28.9 24.9 37.3





#6

Aniline

Concen: 0.119 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.10 min

Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

Instrument :

BNA_F

ClientSampleId :

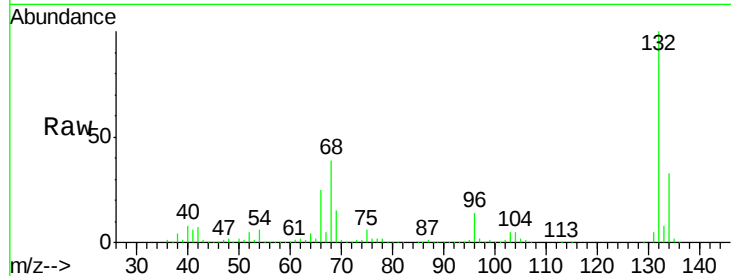
Tot Ion: 93 Resp: 1260

Ion Ratio Lower Upper

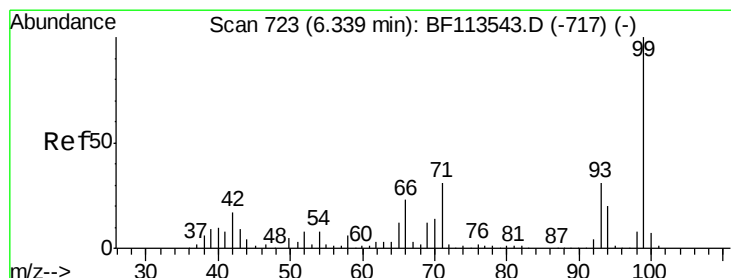
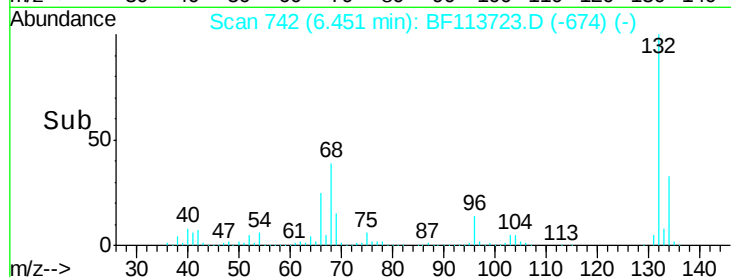
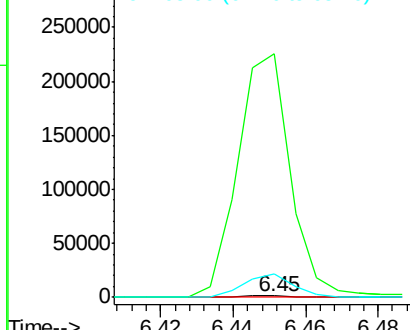
93 100

66 15157.0 62.1 93.1#

65 1465.1 38.7 58.1#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 109.888 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

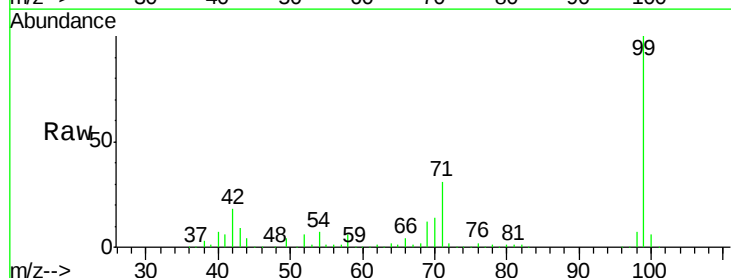
Tgt Ion: 99 Resp: 957264

Ion Ratio Lower Upper

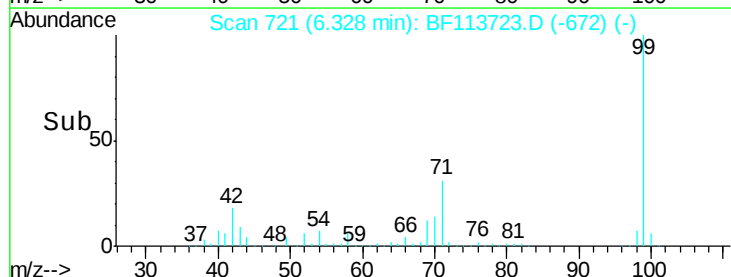
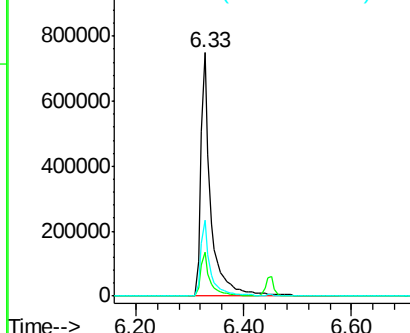
99 100

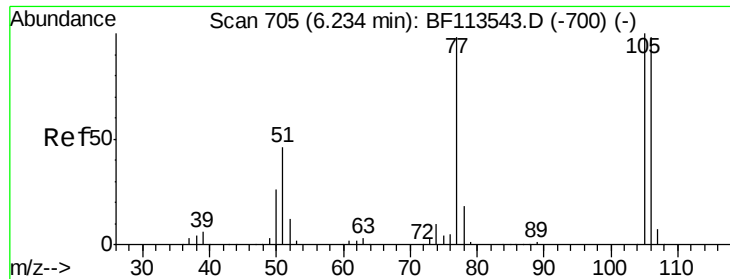
42 18.0 14.8 22.2

71 31.1 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 0.135 ng

RT: 6.30 min Scan# 716

Delta R.T. 0.06 min

Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

Instrument :

BNA_F

ClientSampleId :

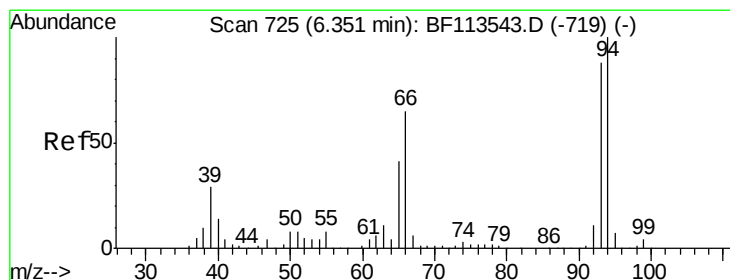
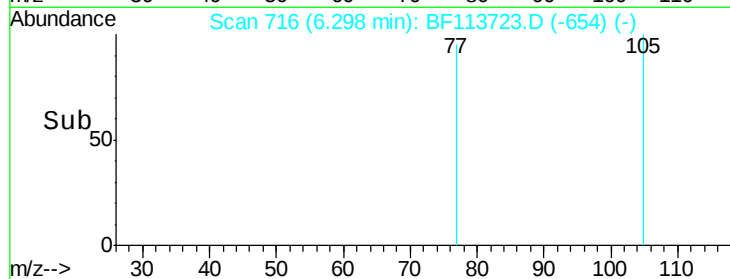
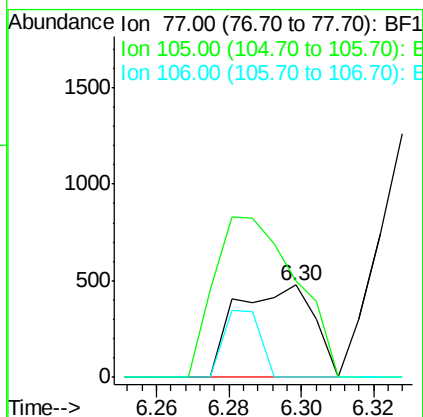
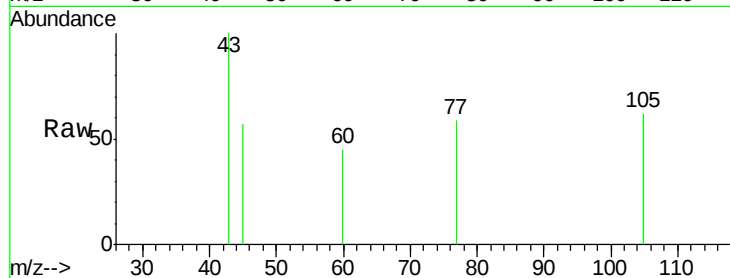
Tot Ion: 77 Resp: 699

Ion Ratio Lower Upper

77 100

105 105.2 80.9 120.9

106 0.0 77.8 117.8#



#10

Phenol

Concen: 0.202 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

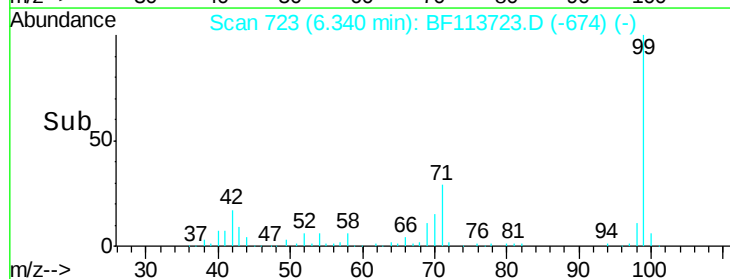
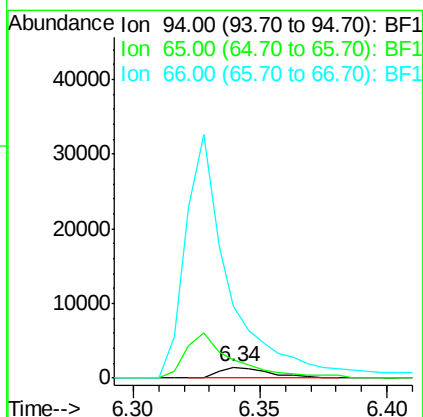
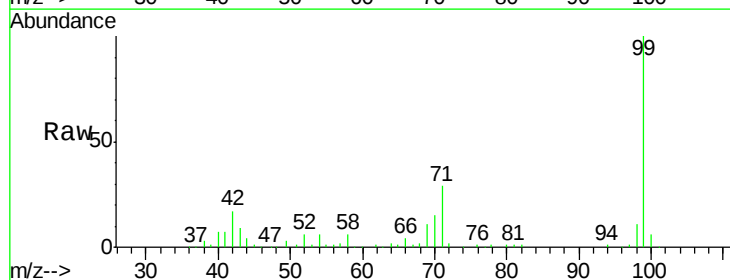
Tgt Ion: 94 Resp: 2005

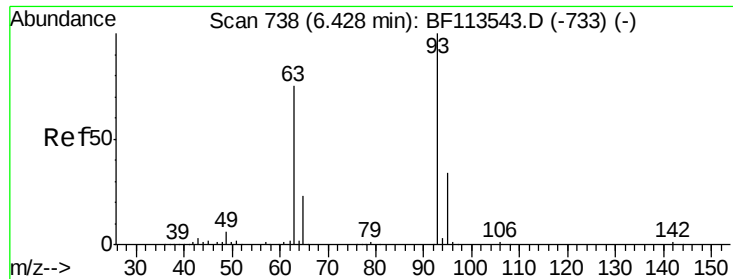
Ion Ratio Lower Upper

94 100

65 165.7 21.4 61.4#

66 646.1 46.4 86.4#

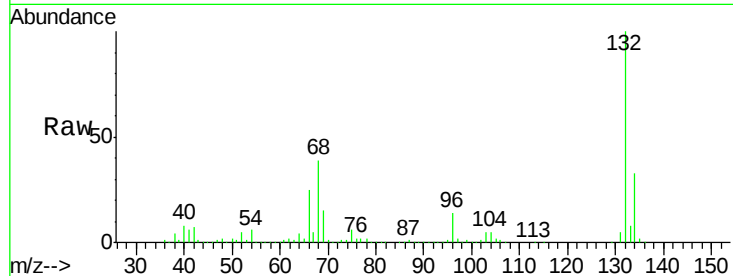




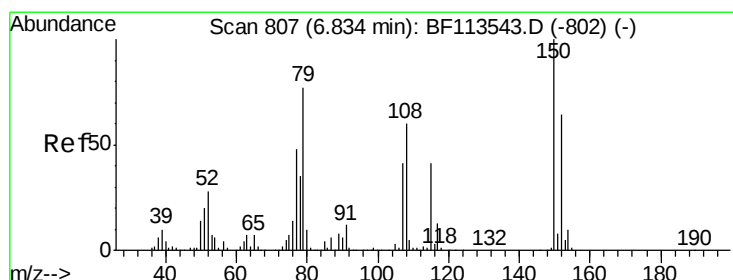
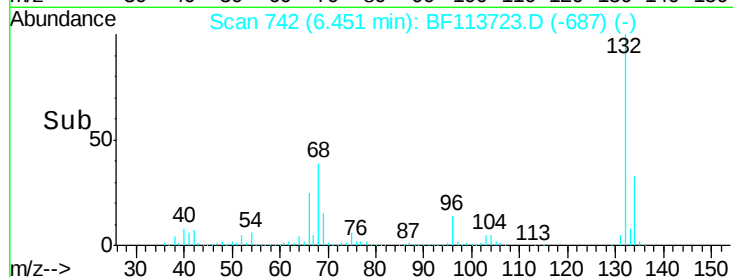
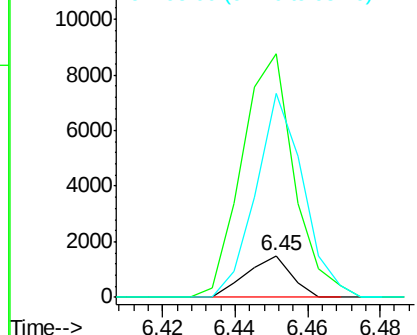
#11
bis(2-Chloroethyl)ether
Concen: 0.163 ng
RT: 6.45 min Scan# 742
Delta R.T. 0.02 min
Lab File: BF113723.D
Acq: 11 Apr 2019 16:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 93 Resp: 1260
Ion Ratio Lower Upper
93 100
63 588.5 56.1 96.1#
95 492.3 12.8 52.8#

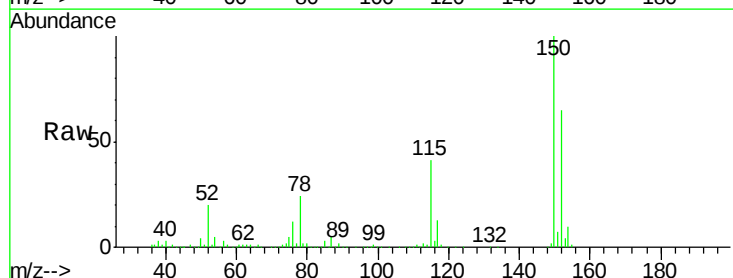


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

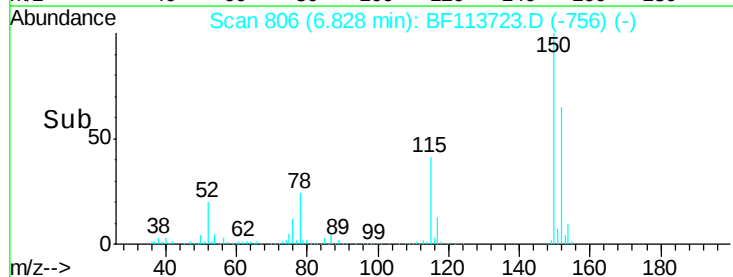
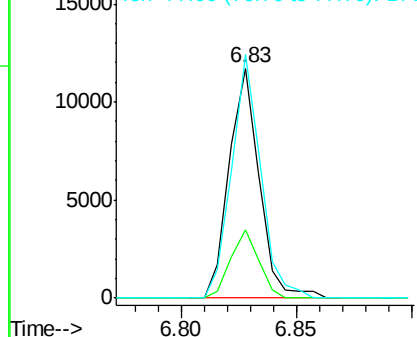


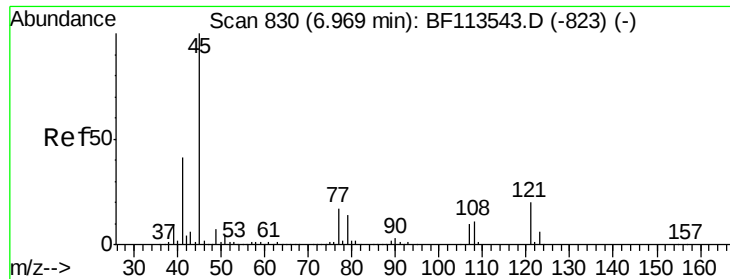
#15
Benzyl Alcohol
Concen: 1.814 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF113723.D
Acq: 11 Apr 2019 16:35

Tgt Ion: 79 Resp: 10683
Ion Ratio Lower Upper
79 100
108 29.7 62.0 93.0#
77 105.9 49.9 74.9#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

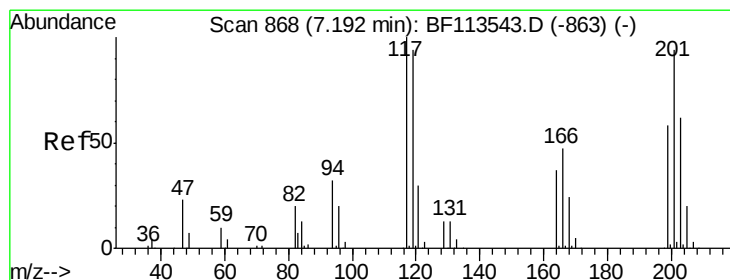
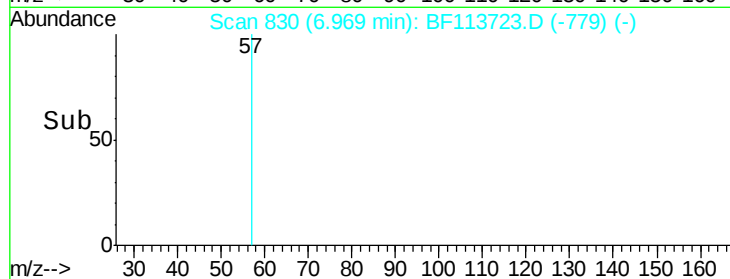
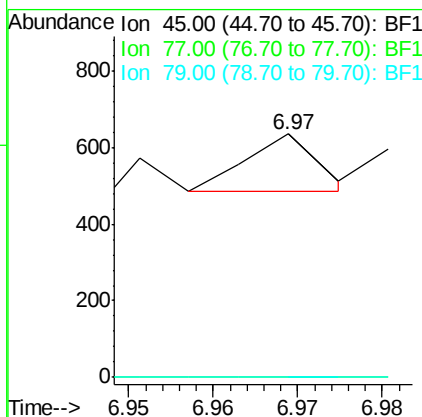
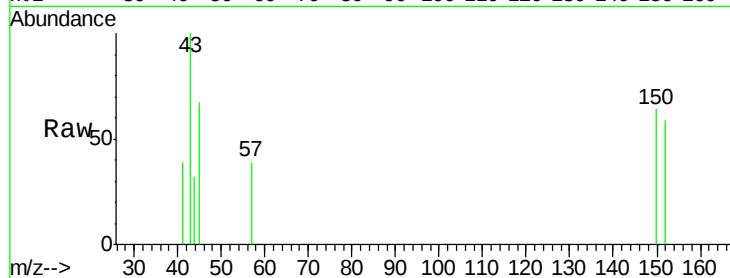




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.007 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF113723.D
Acq: 11 Apr 2019 16:35

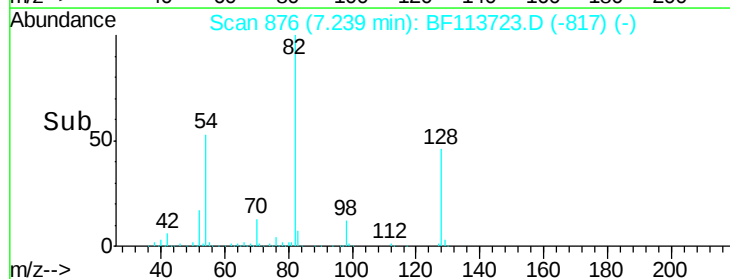
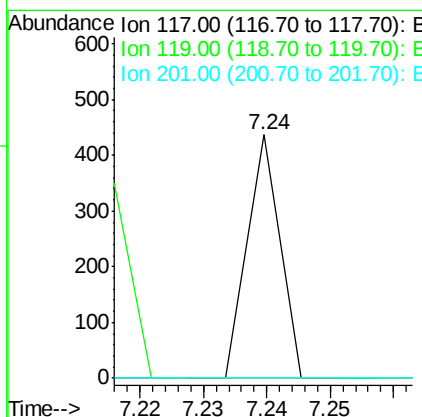
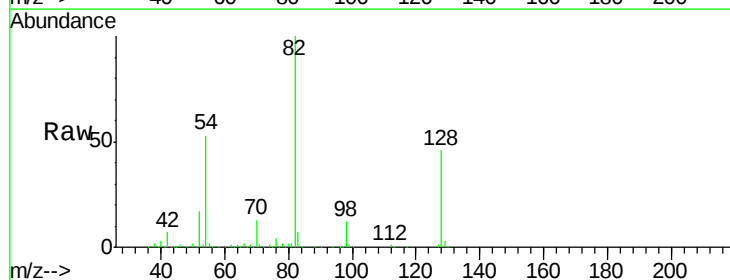
Instrument :
BNA_F
ClientSampleId :

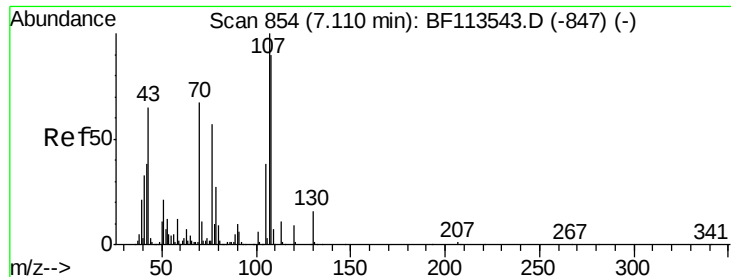
Tot Ion	45	Resp	88
Ion Ratio	100		
Lower	0.0	0.0	36.6
Upper	0.0	0.0	34.0



#18
Hexachloroethane
Concen: 0.048 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.05 min
Lab File: BF113723.D
Acq: 11 Apr 2019 16:35

Tgt Ion	117	Resp	154
Ion Ratio	100		
Lower	0.0	76.9	115.3#
Upper	0.0	78.7	118.1#

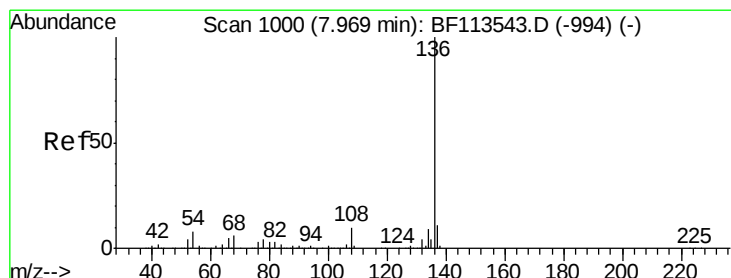
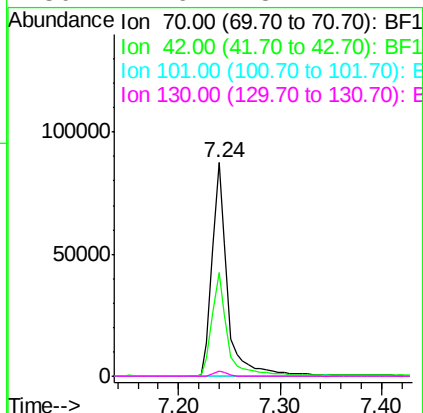
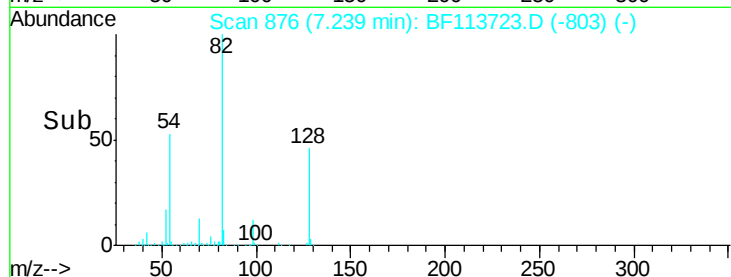
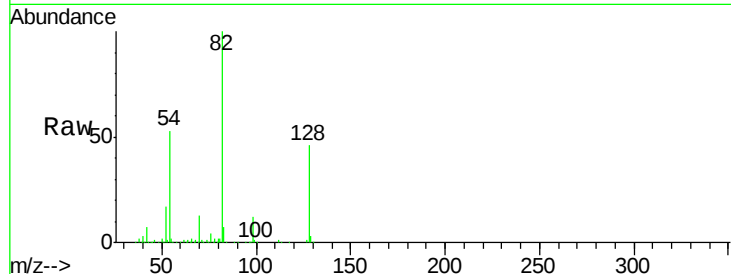




#19
n-Nitroso-di-n-propylamine
Concen: 17.479 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.13 min
Lab File: BF113723.D
Acq: 11 Apr 2019 16:35

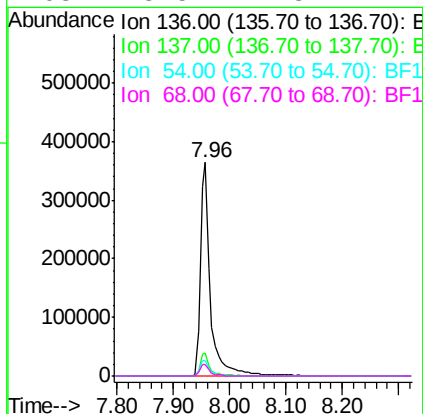
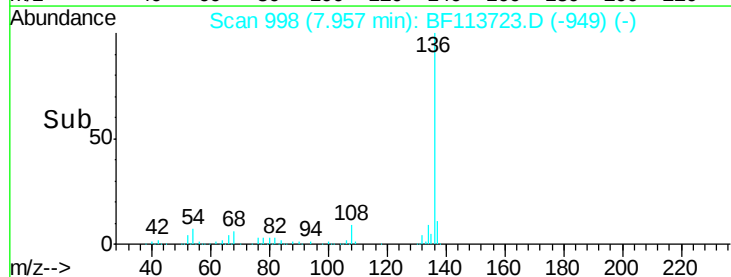
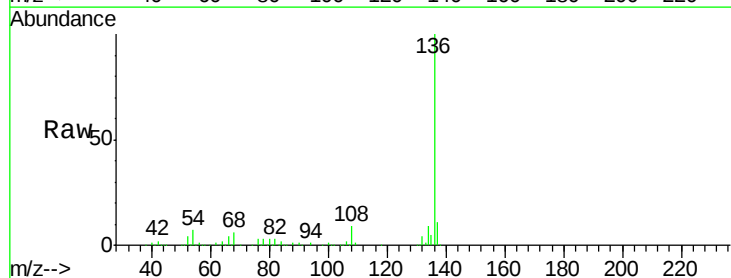
Instrument :
BNA_F
ClientSampleId :

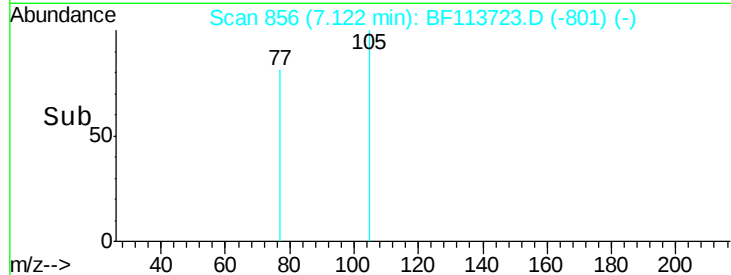
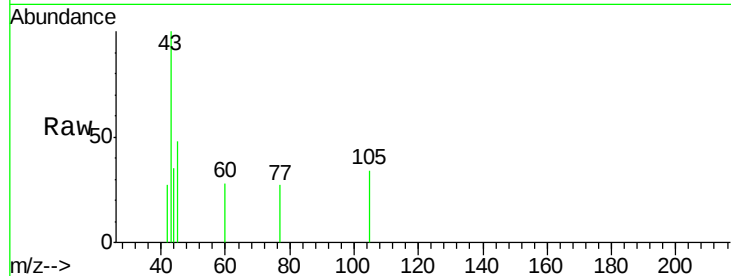
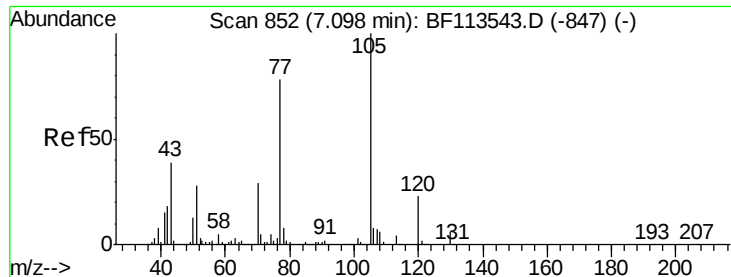
Tot Ion: 70 Resp: 93895
Ion Ratio Lower Upper
70 100
42 48.8 48.4 72.6
101 0.0 7.8 11.8#
130 2.6 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.01 min
Lab File: BF113723.D
Acq: 11 Apr 2019 16:35

Tgt Ion: 136 Resp: 449251
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 7.3 7.0 10.6
68 5.5 4.8 7.2

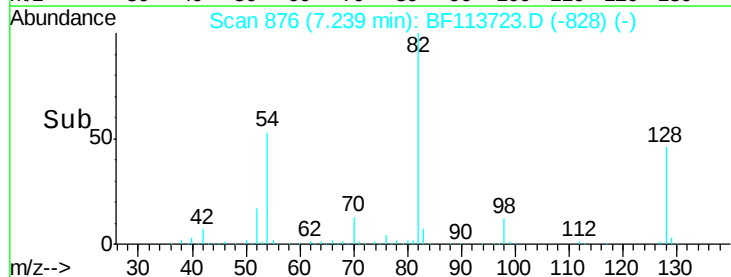
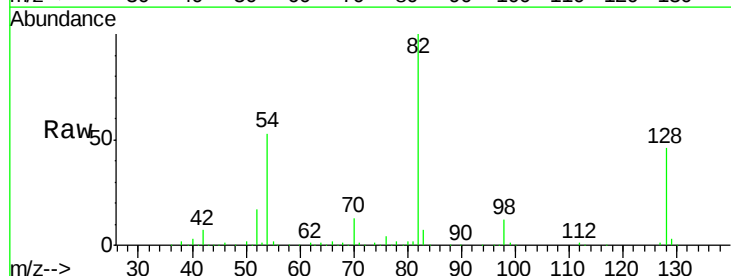
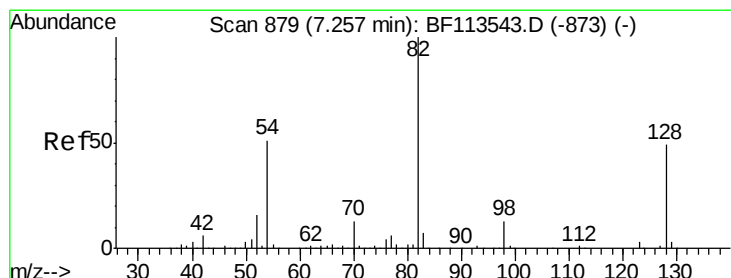
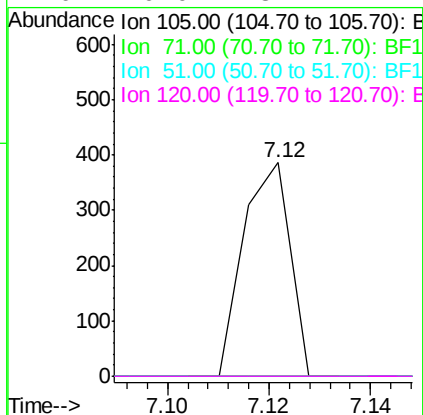




#22
Acetophenone
Concen: 0.025 ng
RT: 7.12 min Scan# 856
Delta R.T. 0.02 min
Lab File: BF113723.D
Acq: 11 Apr 2019 16:35

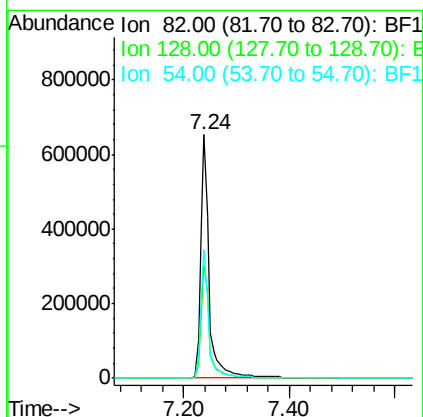
Instrument :
BNA_F
ClientSampleId :

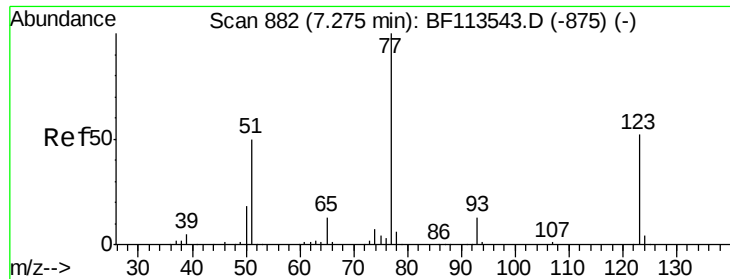
Tot Ion:105 Resp: 246
Ion Ratio Lower Upper
105 100
71 0.0 3.3 4.9#
51 0.0 24.2 36.2#
120 0.0 18.1 27.1#



#23
Nitrobenzene-d5
Concen: 95.431 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.02 min
Lab File: BF113723.D
Acq: 11 Apr 2019 16:35

Tgt Ion: 82 Resp: 731919
Ion Ratio Lower Upper
82 100
128 46.5 36.5 54.7
54 52.7 42.2 63.2





#24

Nitrobenzene

Concen: 0.222 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.04 min

Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

Instrument :

BNA_F

ClientSampled :

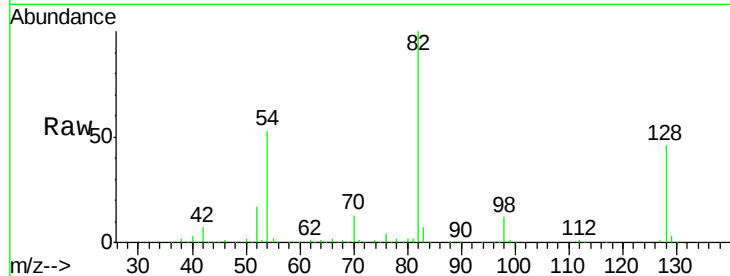
Tot Ion: 77 Resp: 1755

Ion Ratio Lower Upper

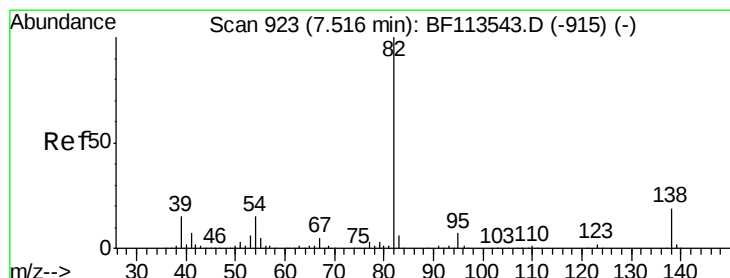
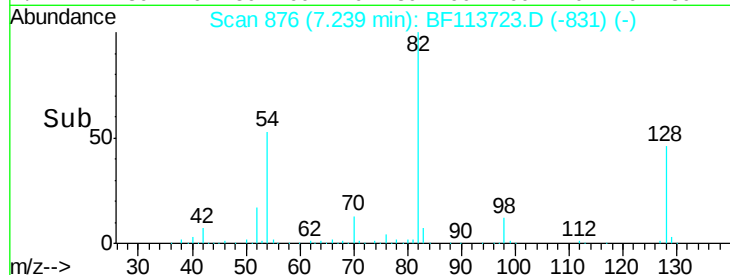
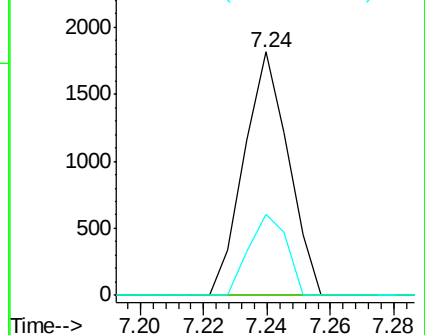
77 100

123 0.0 40.8 61.2#

65 33.4 10.6 16.0#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#25

Isophorone

Concen: 49.539 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.28 min

Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

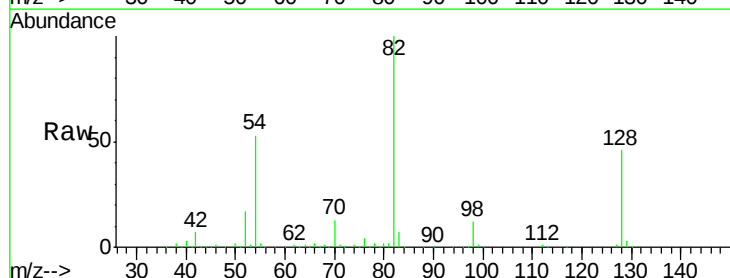
Tgt Ion: 82 Resp: 731915

Ion Ratio Lower Upper

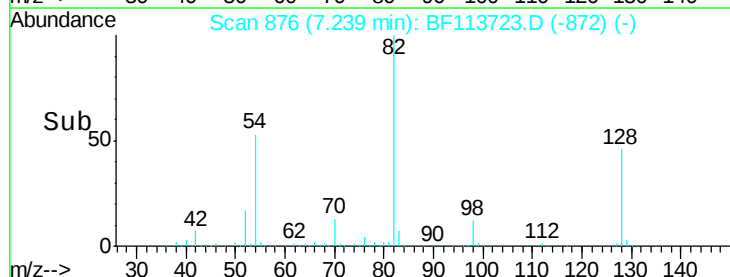
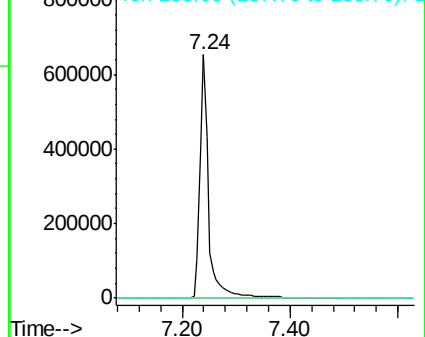
82 100

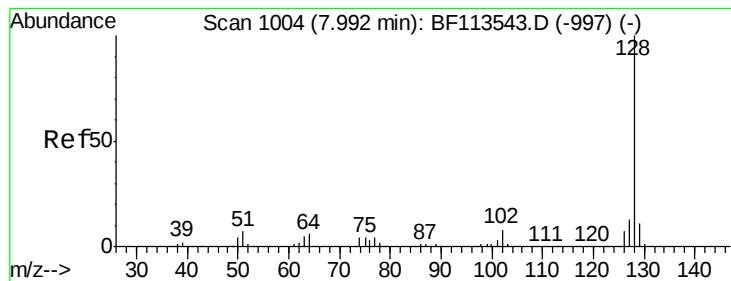
95 0.0 5.5 8.3#

138 0.0 15.2 22.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 0.121 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.02 min

Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

Instrument :

BNA_F

ClientSampleId :

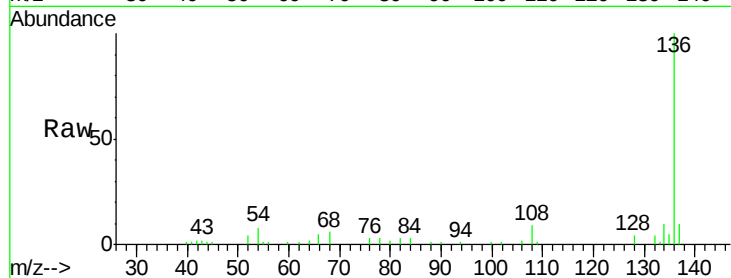
Tot Ion:128 Resp: 2638

Ion Ratio Lower Upper

128 100

129 0.0 9.3 13.9#

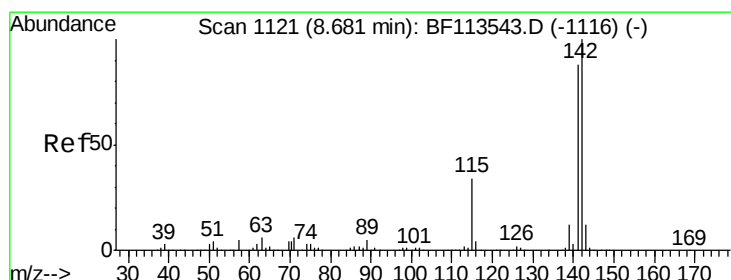
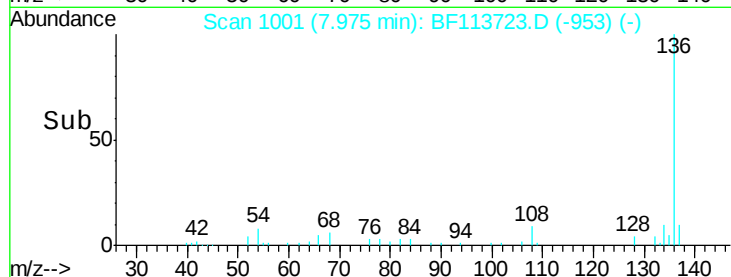
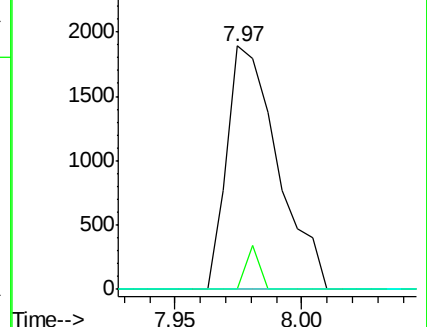
127 0.0 10.9 16.3#



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



#37

2-Methylnaphthalene

Concen: 0.051 ng

RT: 8.78 min Scan# 1138

Delta R.T. 0.10 min

Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

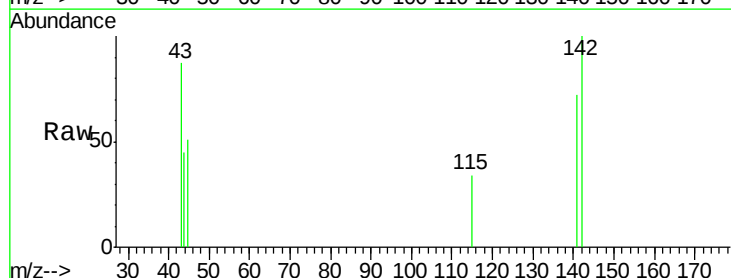
Tgt Ion:142 Resp: 736

Ion Ratio Lower Upper

142 100

141 71.9 71.0 106.6

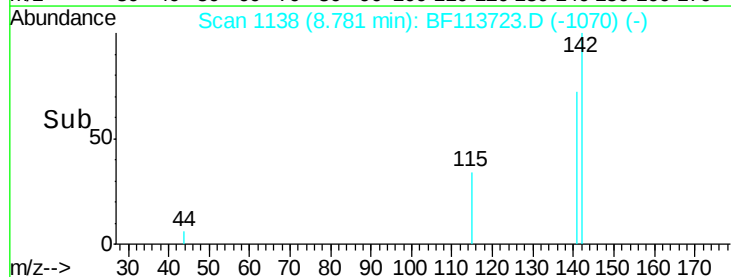
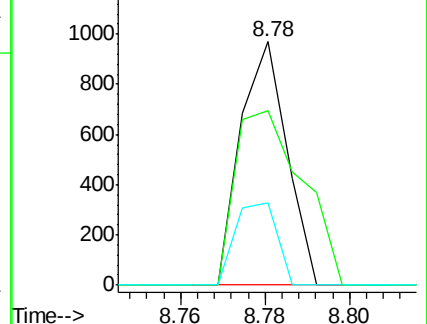
115 33.9 26.6 39.8

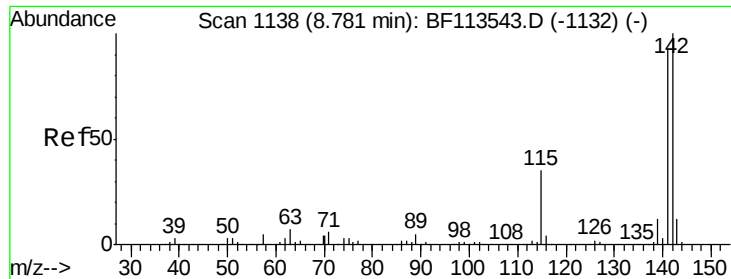


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

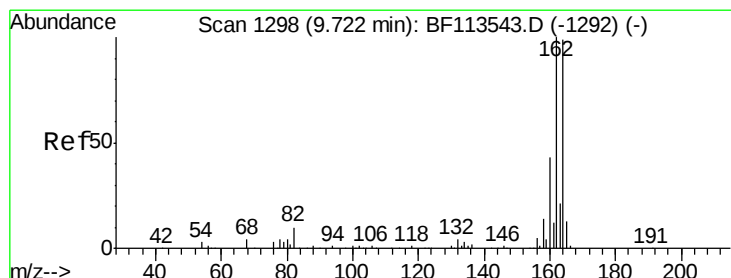
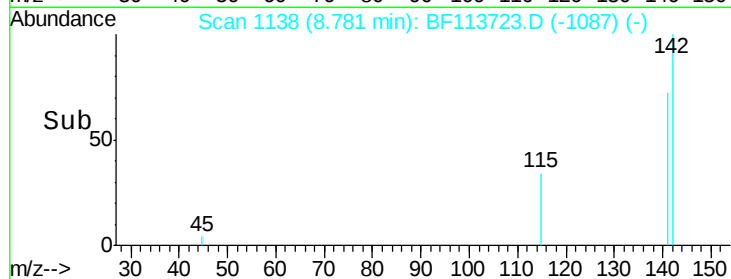
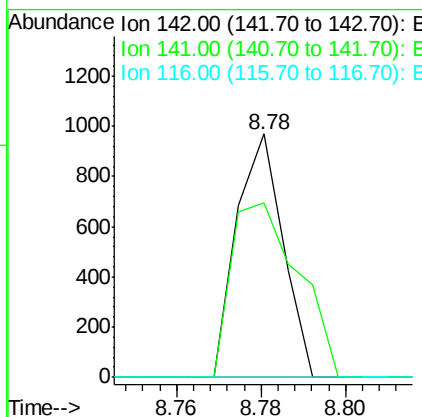
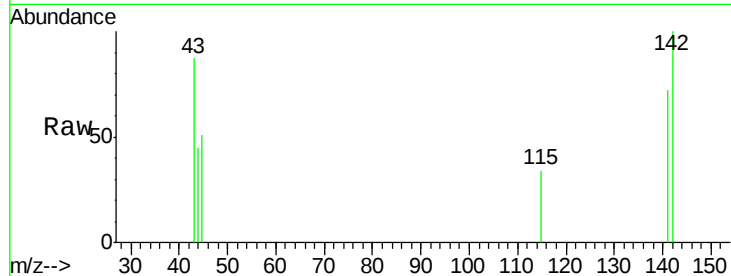




#38
 1-Methylnaphthalene
 Concen: 0.053 ng
 RT: 8.78 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: BF113723.D
 Acq: 11 Apr 2019 16:35

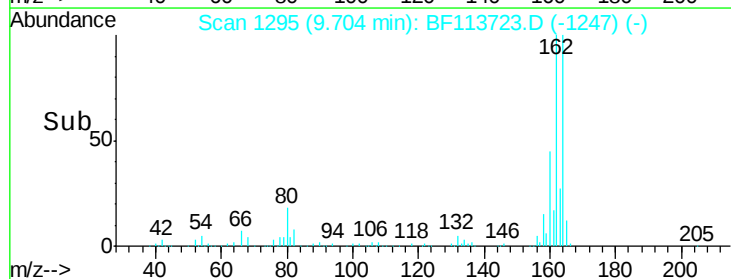
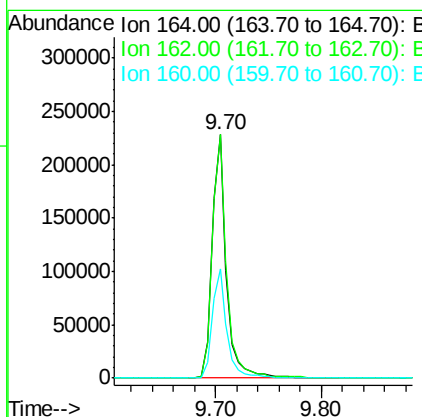
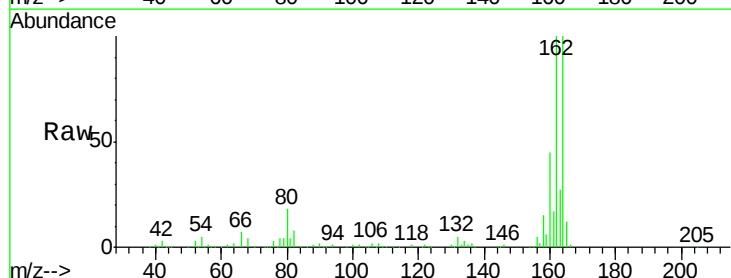
Instrument :
 BNA_F
 ClientSampleId :

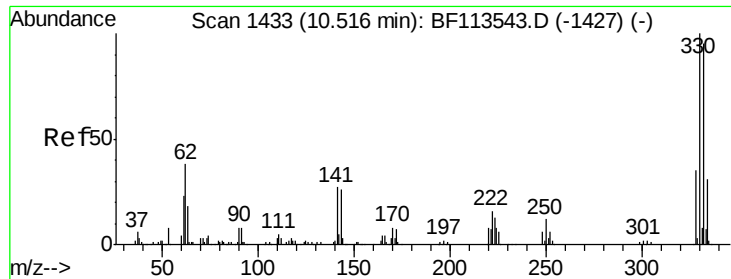
Tot Ion:142 Resp: 736
 Ion Ratio Lower Upper
 142 100
 141 71.9 73.2 109.8#
 116 0.0 3.0 4.4#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.02 min
 Lab File: BF113723.D
 Acq: 11 Apr 2019 16:35

Tgt Ion:164 Resp: 216972
 Ion Ratio Lower Upper
 164 100
 162 100.2 81.8 122.6
 160 45.2 36.4 54.6

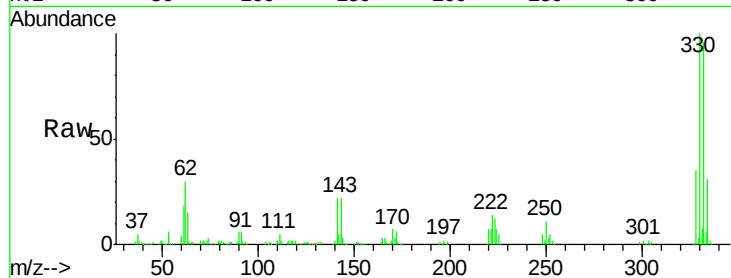




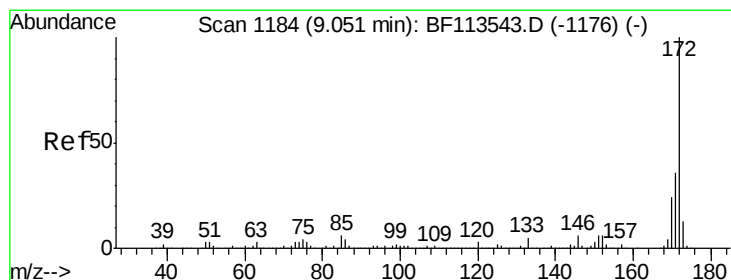
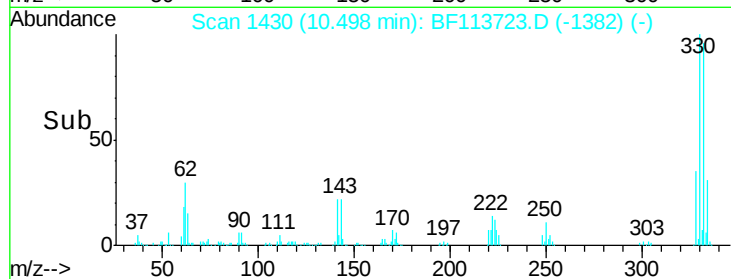
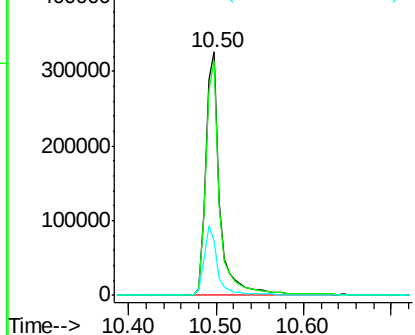
#42
 2,4,6-Tribromophenol
 Concen: 141.921 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF113723.D
 Acq: 11 Apr 2019 16:35

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 369897
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.8 116.6
 141 28.0 22.7 34.1

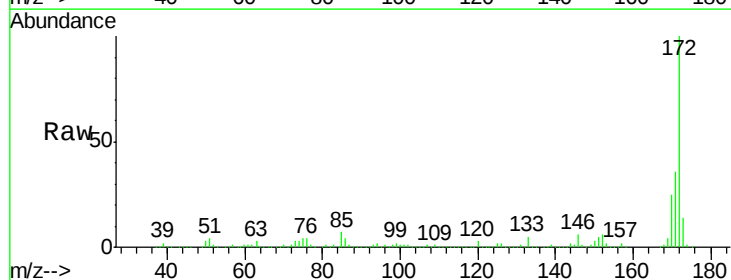


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

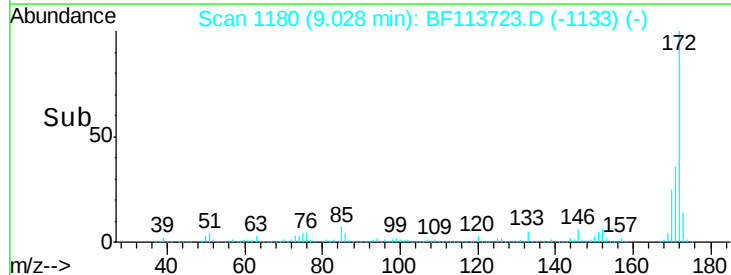
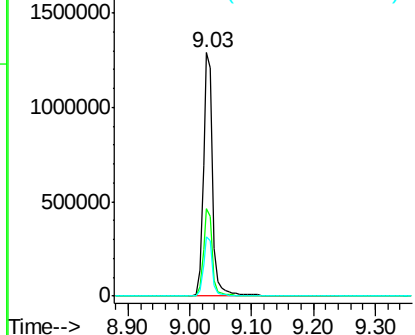


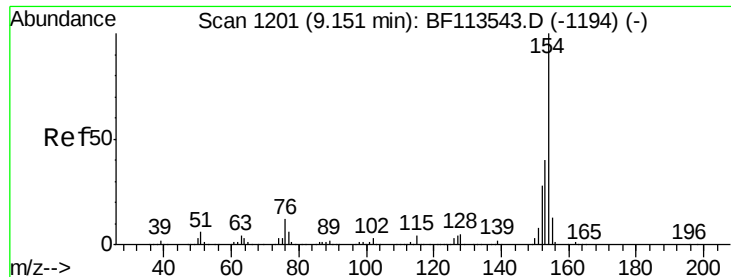
#45
 2-Fluorobiphenyl
 Concen: 101.920 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.02 min
 Lab File: BF113723.D
 Acq: 11 Apr 2019 16:35

Tgt Ion:172 Resp: 1373618
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.0 43.6
 170 24.5 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

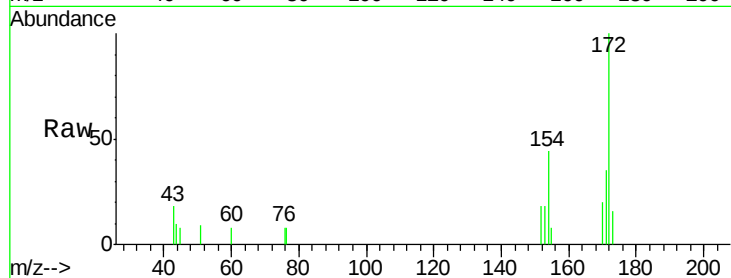




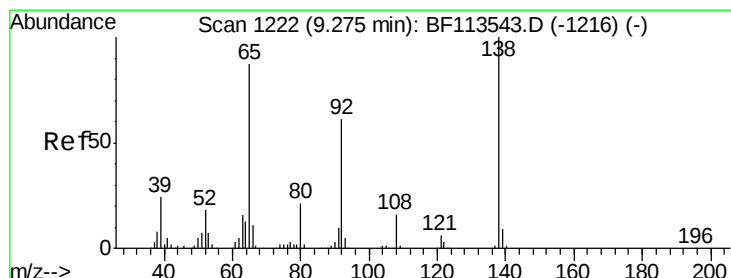
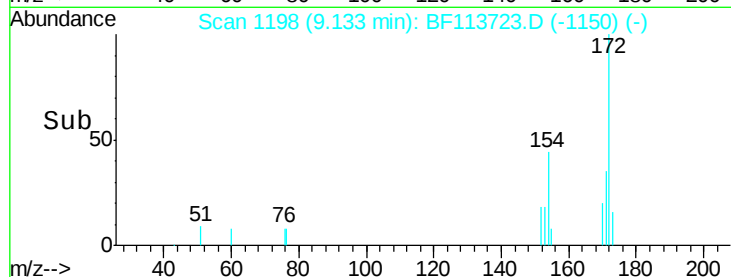
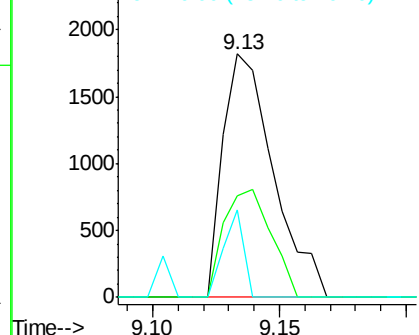
#46
 1,1'-Biphenyl
 Concen: 0.141 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: BF113723.D
 Acq: 11 Apr 2019 16:35

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.7	20.8	60.8
76	35.7	0.0	31.9

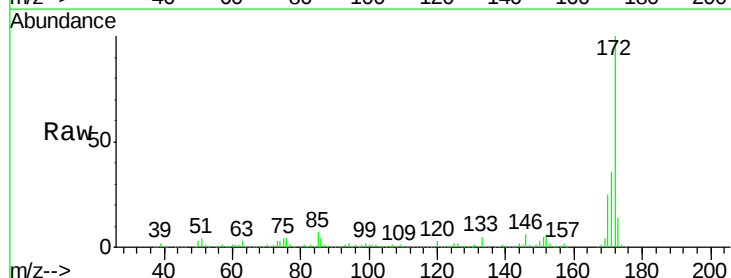


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

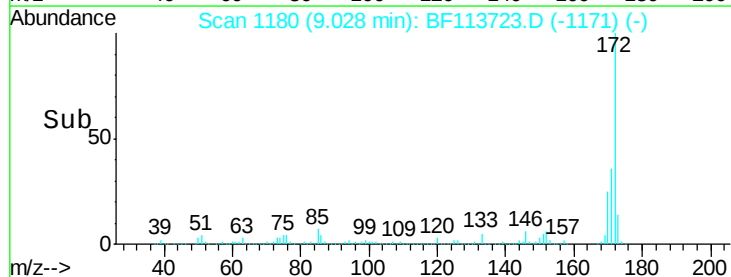
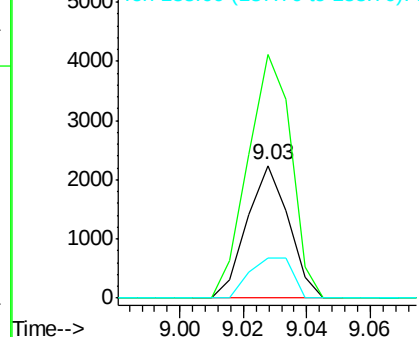


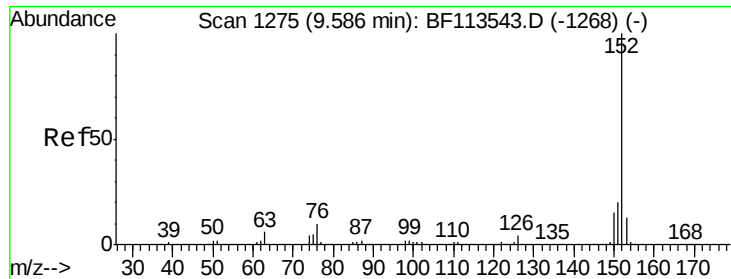
#48
 2-Nitroaniline
 Concen: 0.493 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.25 min
 Lab File: BF113723.D
 Acq: 11 Apr 2019 16:35

Tgt Ion	Ratio	Lower	Upper
65	100		
92	183.4	56.8	85.2
138	29.8	92.3	138.5



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 0.021 ng

RT: 9.73 min Scan# 1300

Delta R.T. 0.15 min

Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

Instrument :

BNA_F

ClientSampleId :

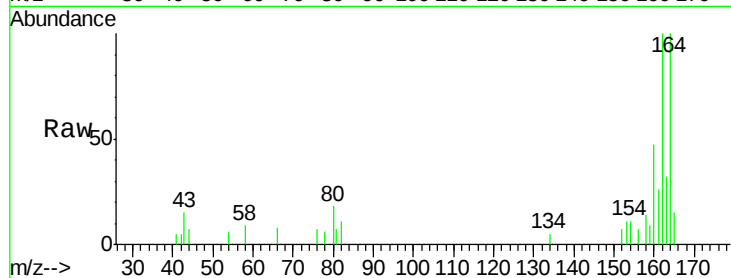
Tot Ion:152 Resp: 462

Ion Ratio Lower Upper

152 100

151 0.0 16.2 24.4#

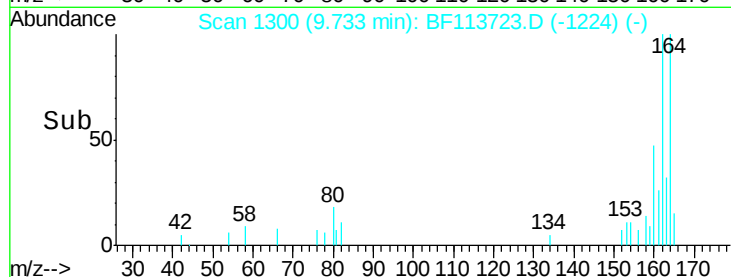
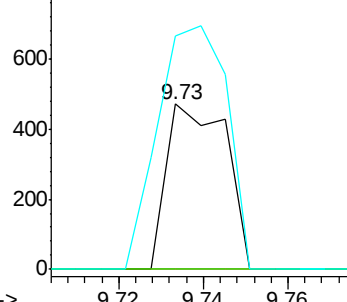
153 141.6 11.0 16.6#



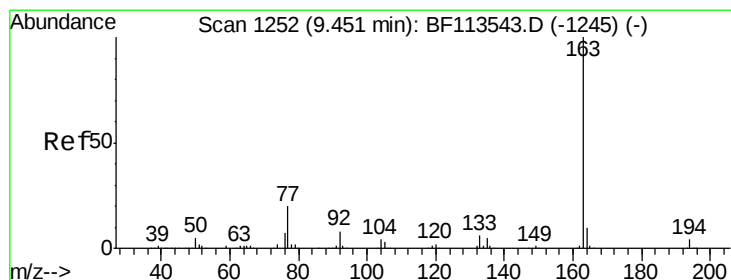
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#50

Dimethylphthalate

Concen: 0.295 ng

RT: 9.44 min Scan# 1250

Delta R.T. -0.01 min

Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

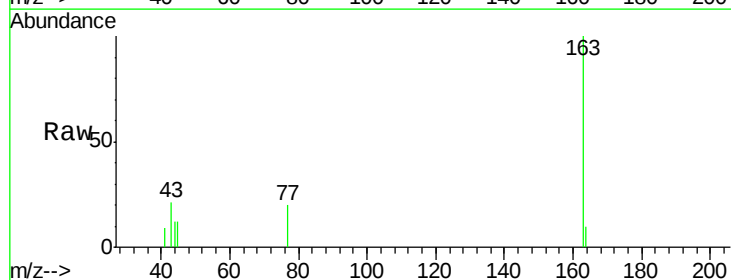
Tgt Ion:163 Resp: 4711

Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.6#

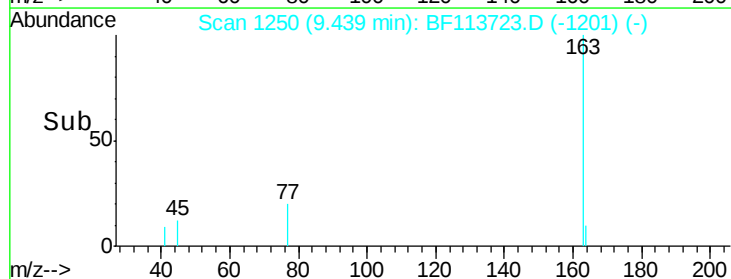
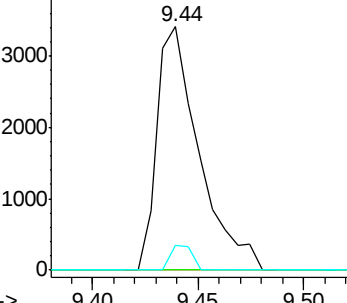
164 10.0 8.1 12.1



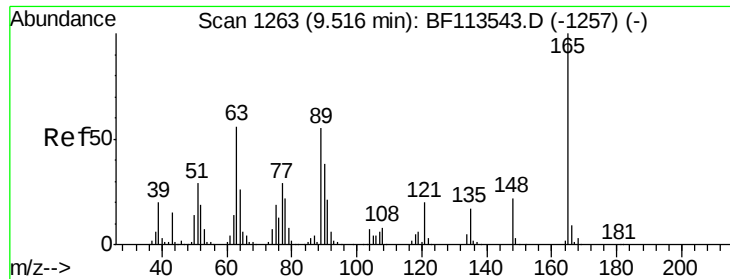
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



Time-->



#51

2,6-Dinitrotoluene

Concen: 7.885 ng

RT: 9.70 min Scan# 1295

Delta R.T. 0.19 min

Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

Instrument :

BNA_F

ClientSampleId :

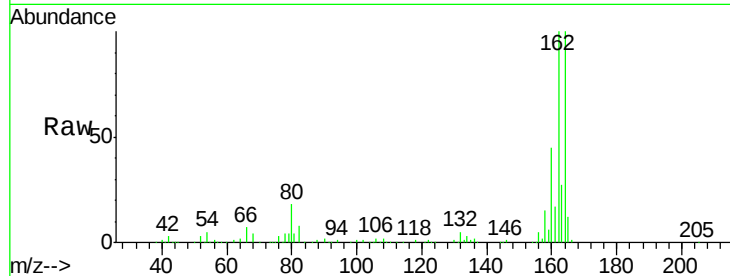
Tot Ion:165 Resp: 27799

Ion Ratio Lower Upper

165 100

63 0.0 43.4 65.0#

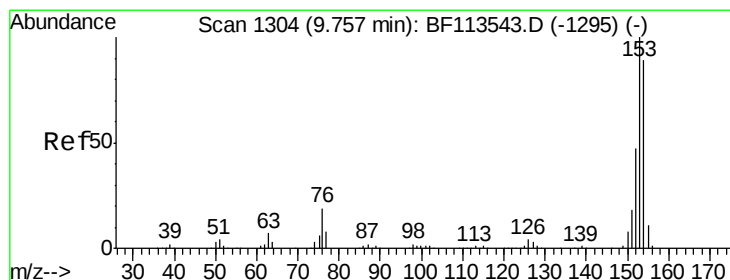
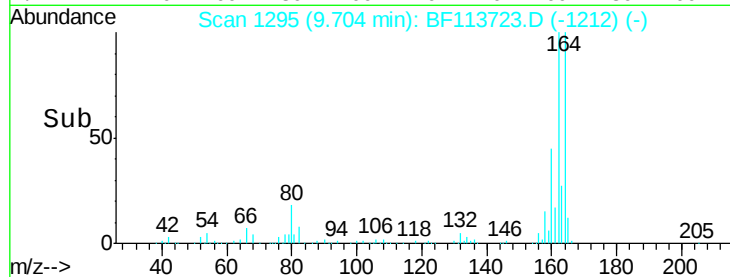
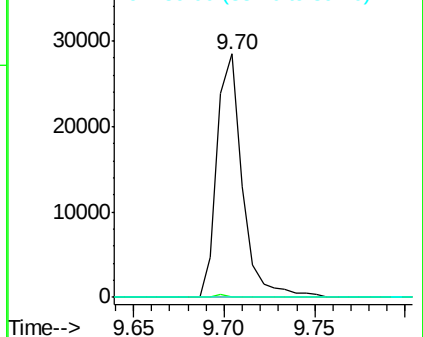
89 0.0 43.1 64.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 0.060 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

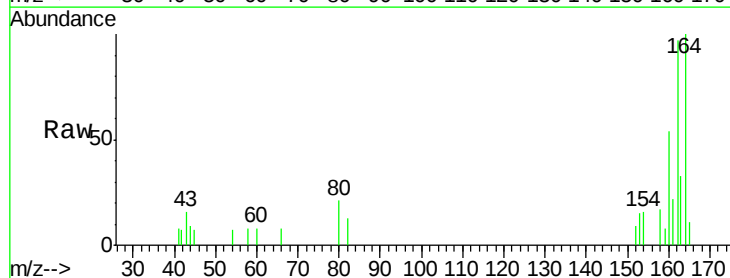
Tgt Ion:154 Resp: 751

Ion Ratio Lower Upper

154 100

153 92.4 89.5 134.3

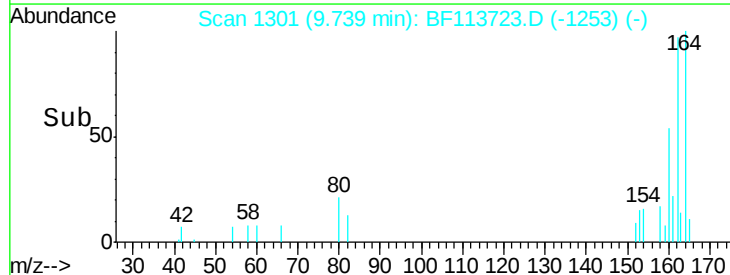
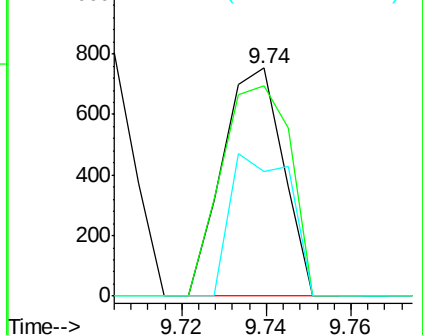
152 54.7 43.3 64.9

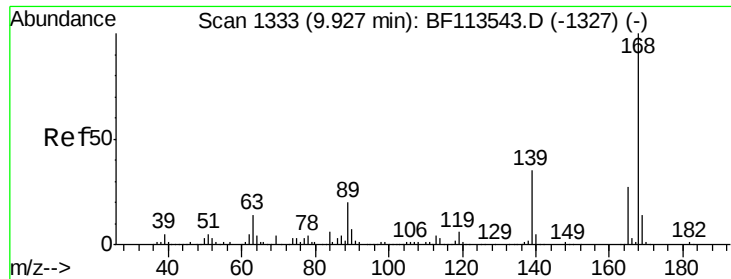


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

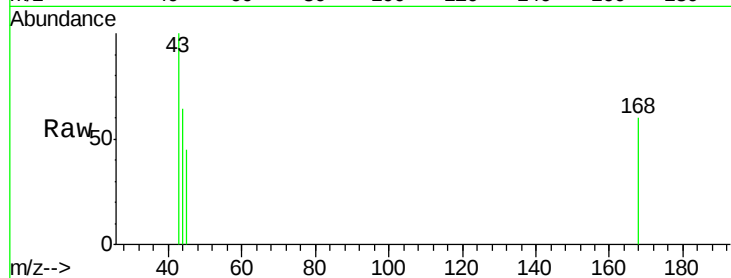




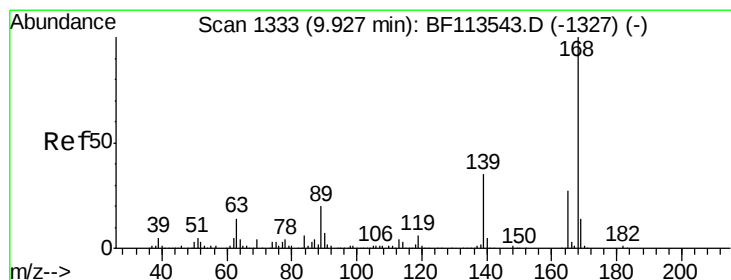
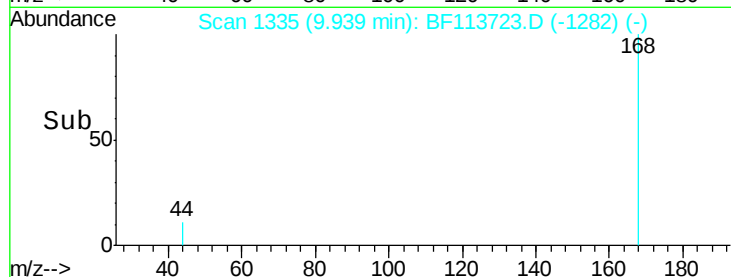
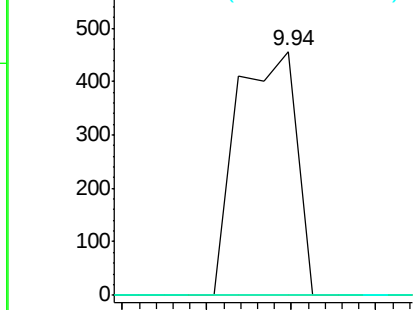
#55
Dibenzenofuran
Concen: 0.024 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.01 min
Lab File: BF113723.D
Acq: 11 Apr 2019 16:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 447
Ion Ratio Lower Upper
168 100
139 0.0 29.7 44.5#
169 0.0 10.7 16.1#

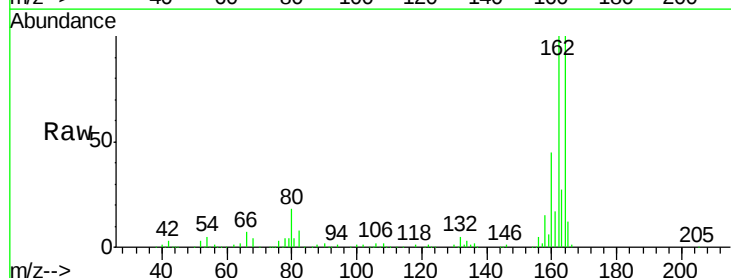


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

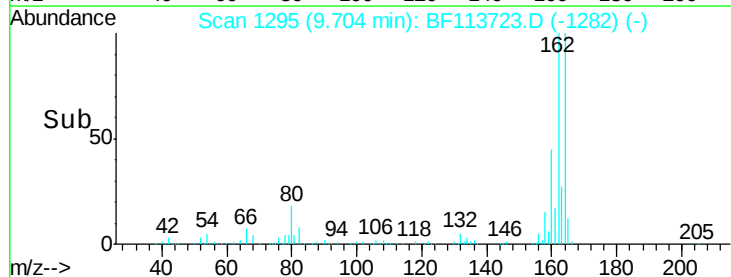
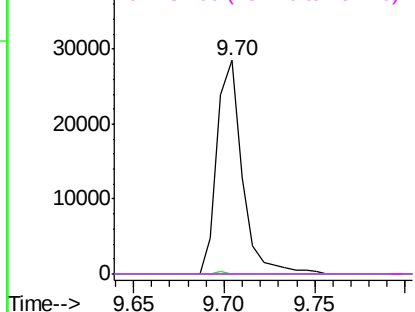


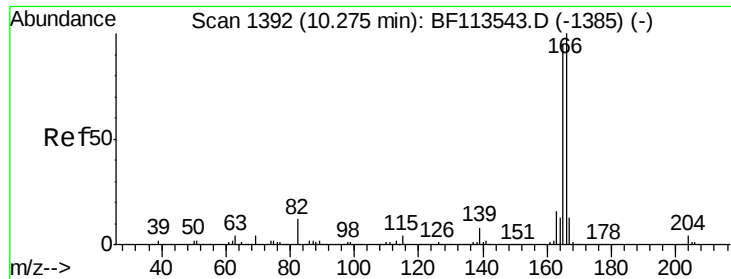
#57
2,4-Dinitrotoluene
Concen: 6.520 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.22 min
Lab File: BF113723.D
Acq: 11 Apr 2019 16:35

Tgt Ion:165 Resp: 27799
Ion Ratio Lower Upper
165 100
63 0.0 37.5 56.3#
89 0.0 57.4 86.2#
182 0.0 2.0 3.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 0.042 ng

RT: 10.26 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

Instrument :

BNA_F

ClientSampled :

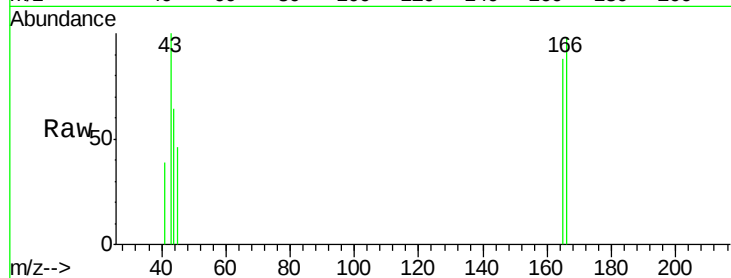
Tot Ion:166 Resp: 614

Ion Ratio Lower Upper

166 100

165 89.8 76.2 114.2

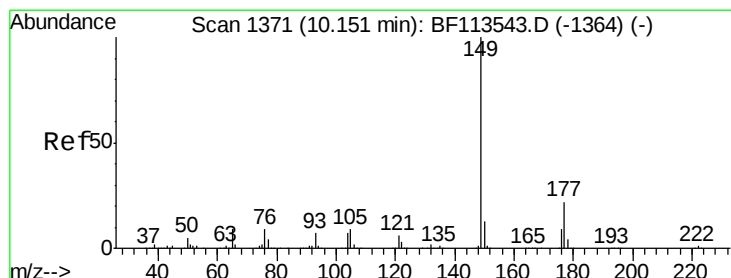
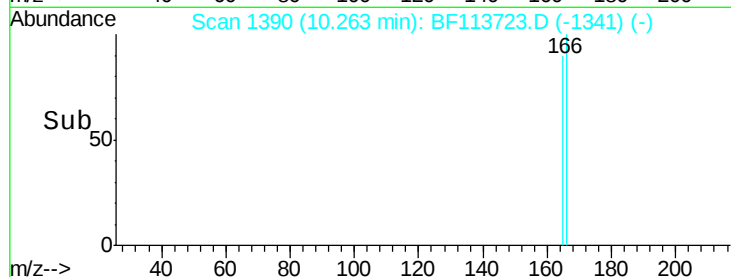
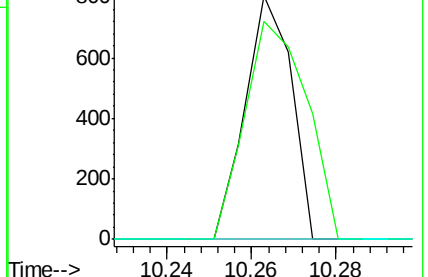
167 0.0 10.7 16.1#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#60

Diethylphthalate

Concen: 0.052 ng

RT: 10.13 min Scan# 1367

Delta R.T. -0.02 min

Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

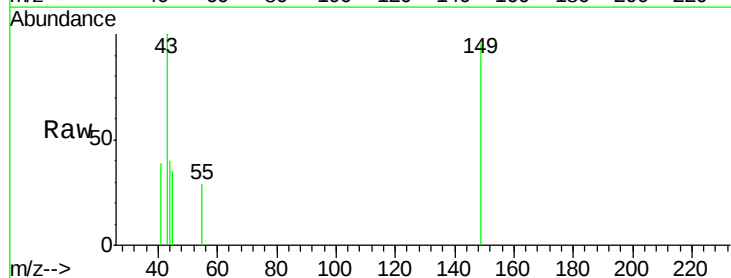
Tgt Ion:149 Resp: 806

Ion Ratio Lower Upper

149 100

177 0.0 17.4 26.0#

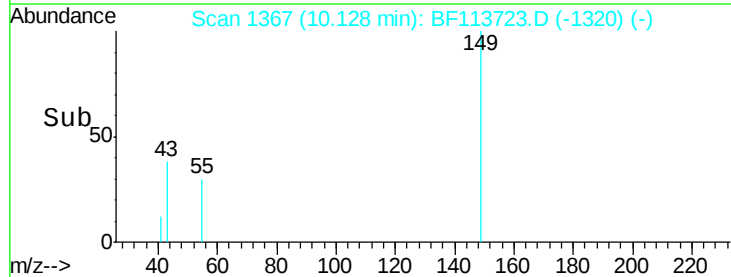
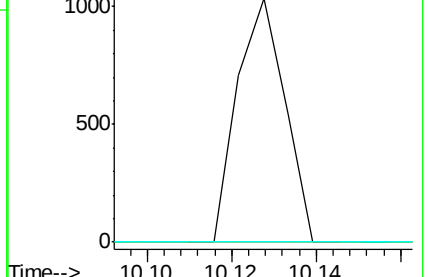
150 0.0 10.0 15.0#

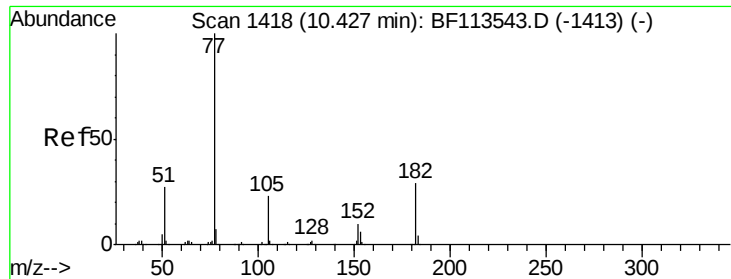


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#63

Azobenzene

Concen: 0.086 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.06 min

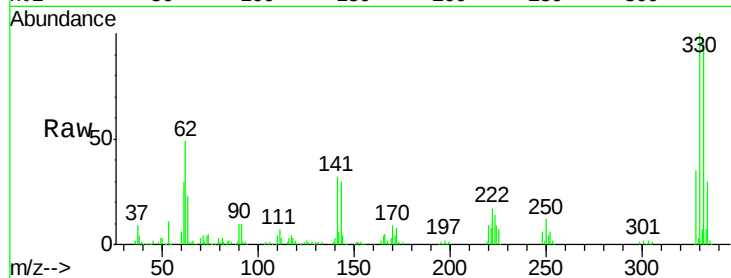
Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

Instrument :

BNA_F

ClientSampleId :



Tot Ion: 77 Resp: 1256

Ion Ratio Lower Upper

77 100

182 0.0 8.7 48.7#

105 88.9 2.9 42.9#

51 87.3 8.8 48.8#

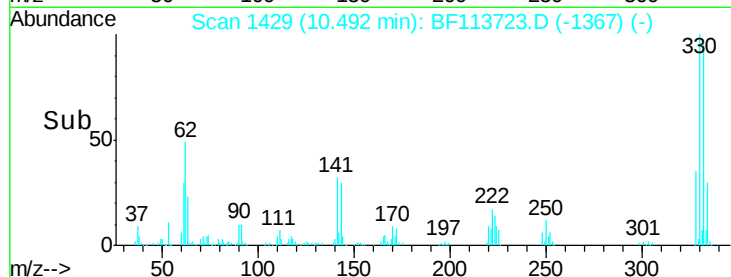
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

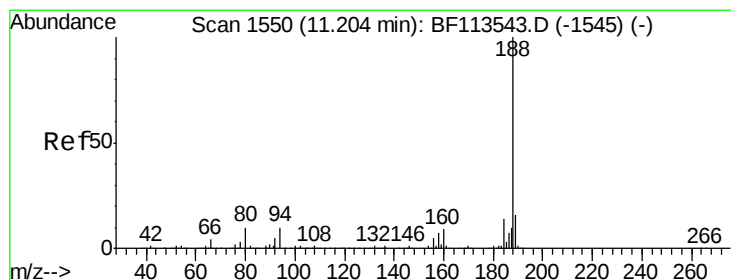
Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1

Time-->



Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.02 min

Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

Tgt Ion: 188 Resp: 445453

Ion Ratio Lower Upper

188 100

94 8.6 7.0 10.6

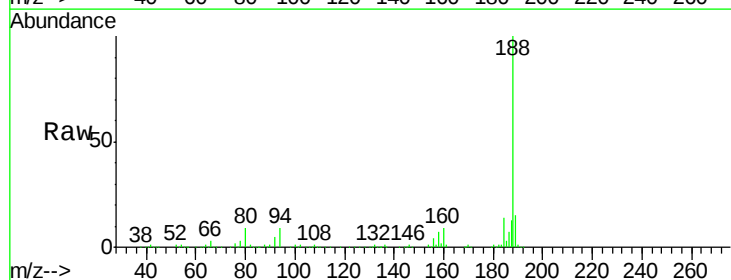
80 8.8 7.7 11.5

Abundance Ion 188.00 (187.70 to 188.70): E

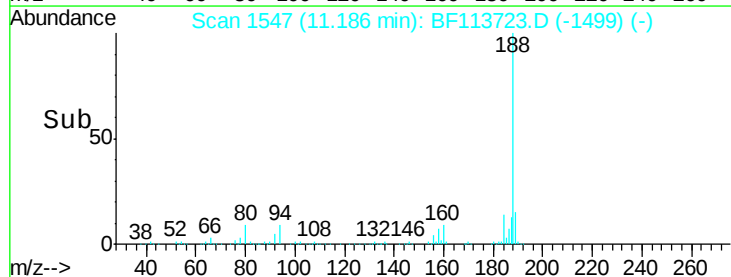
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

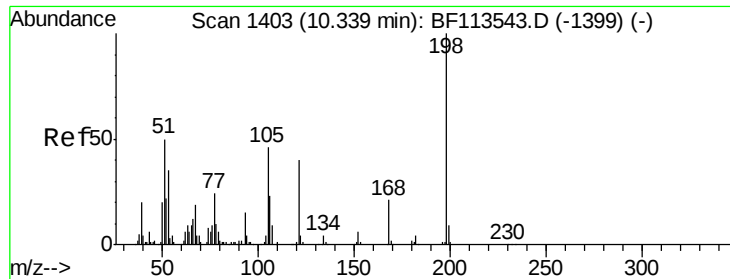
Time-->



Time-->



Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 0.223 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.15 min

Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

Instrument :

BNA_F

ClientSampleId :

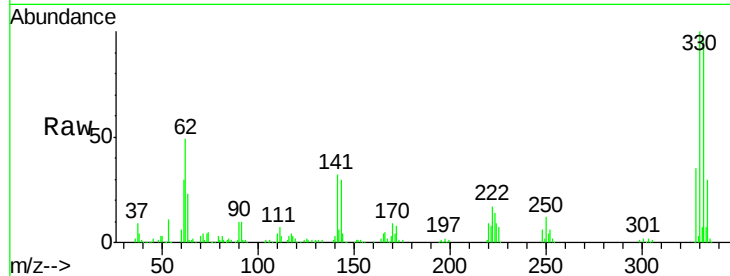
Tot Ion:198 Resp: 522

Ion Ratio Lower Upper

198 100

51 166.8 21.6 61.6#

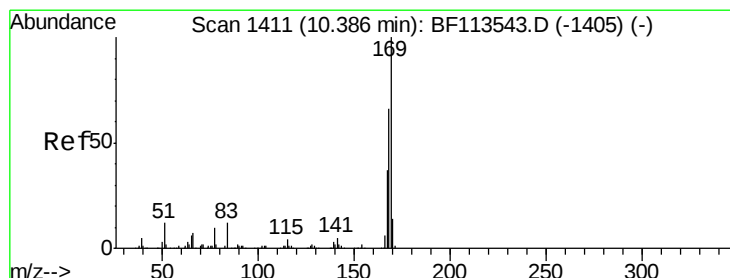
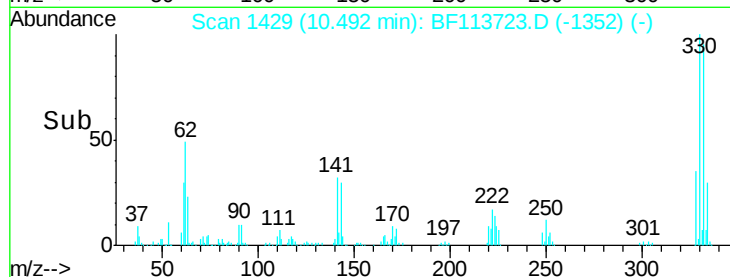
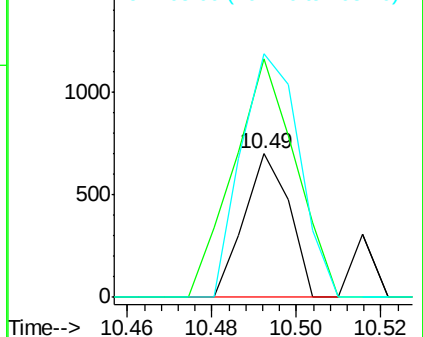
105 170.0 20.6 60.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 0.723 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.11 min

Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

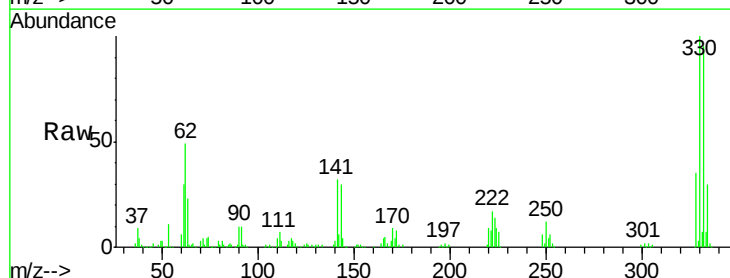
Tgt Ion:169 Resp: 9887

Ion Ratio Lower Upper

169 100

168 6.0 53.7 80.5#

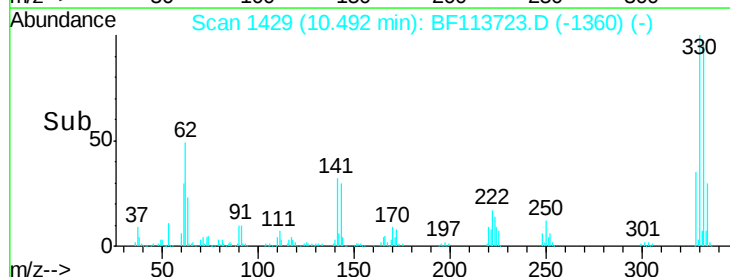
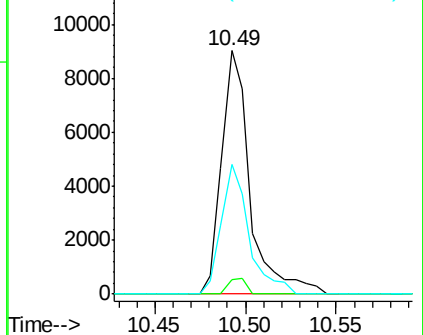
167 53.5 29.5 44.3#

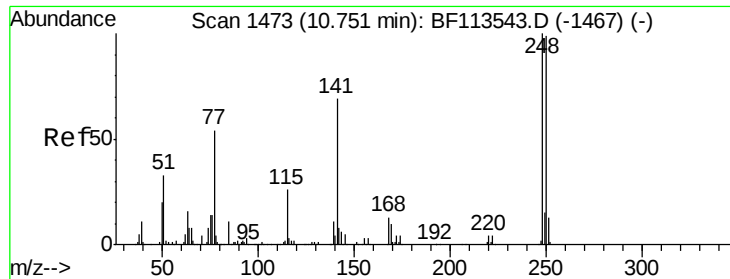


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

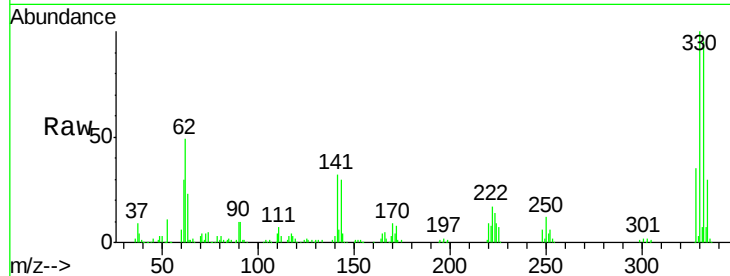




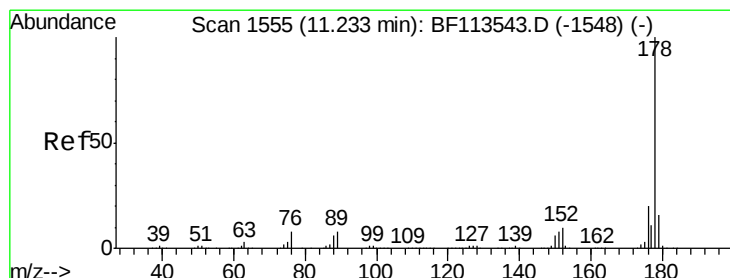
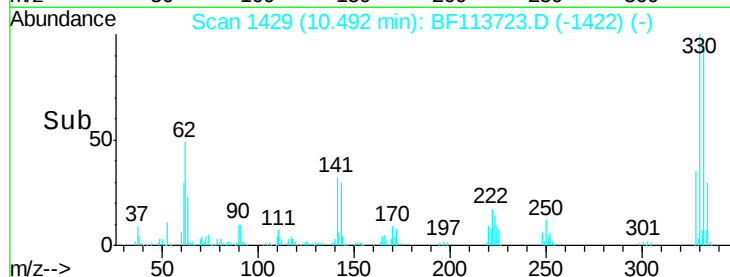
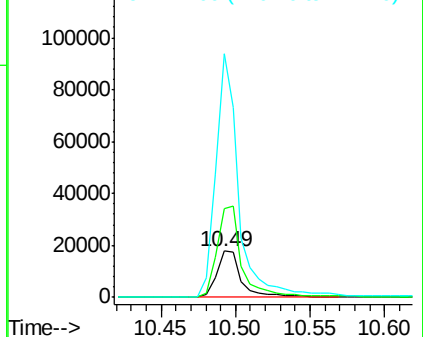
#67
 4-Bromophenyl-phenylether
 Concen: 4.134 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.26 min
 Lab File: BF113723.D
 Acq: 11 Apr 2019 16:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 20652
 Ion Ratio Lower Upper
 248 100
 250 192.6 78.3 117.5#
 141 526.9 56.2 84.4#

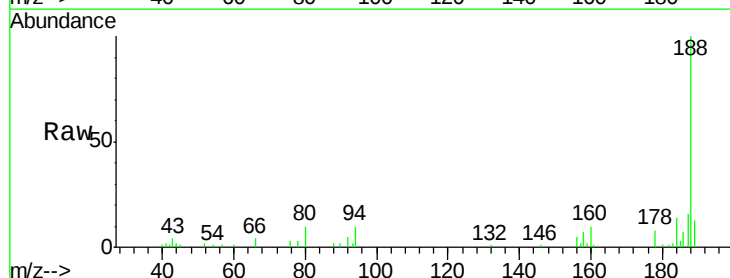


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

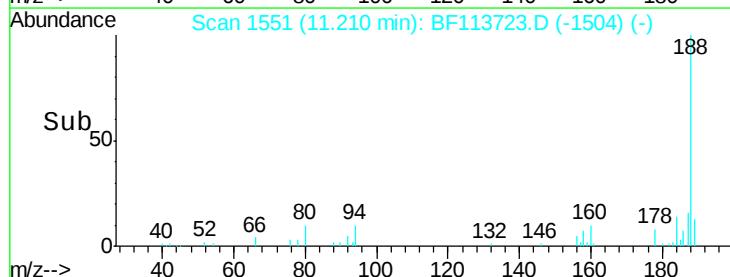
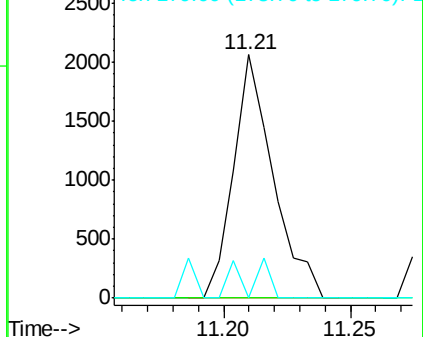


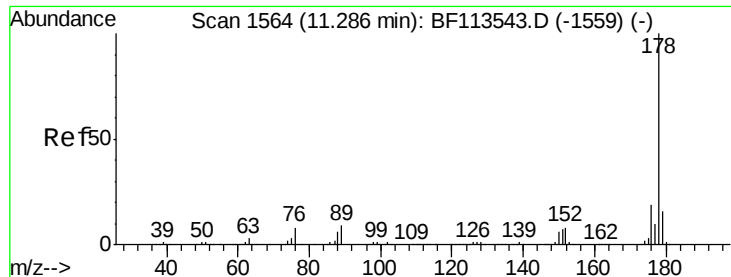
#71
 Phenanthrene
 Concen: 0.102 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.02 min
 Lab File: BF113723.D
 Acq: 11 Apr 2019 16:35

Tgt Ion:178 Resp: 2251
 Ion Ratio Lower Upper
 178 100
 176 0.0 16.2 24.2#
 179 0.0 12.7 19.1#



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





#72

Anthracene

Concen: 0.005 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.01 min

Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

Instrument :

BNA_F

ClientSampleId :

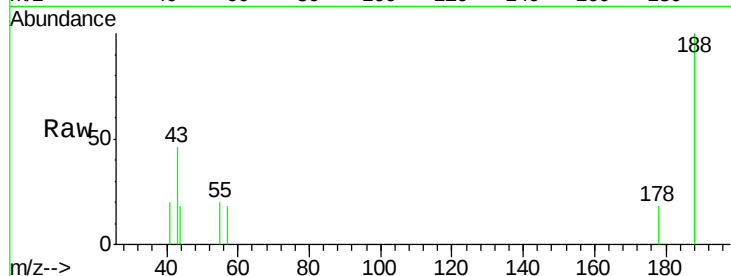
Tot Ion:178 Resp: 122

Ion Ratio Lower Upper

178 100

176 0.0 15.4 23.2#

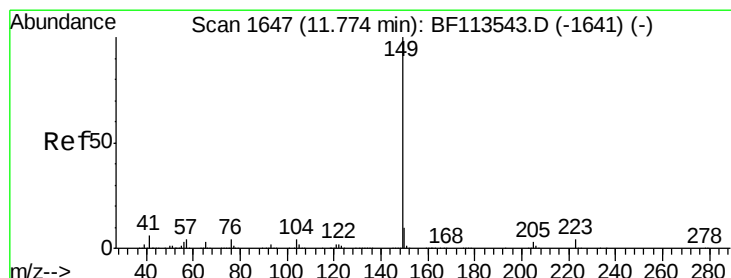
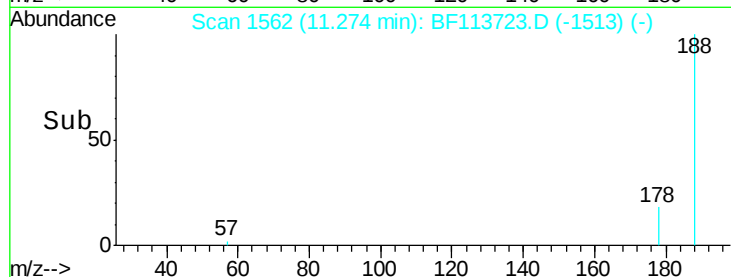
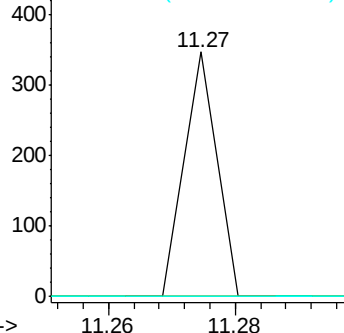
179 0.0 12.8 19.2#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Di-n-butylphthalate

Concen: 0.104 ng

RT: 11.75 min Scan# 1643

Delta R.T. -0.02 min

Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

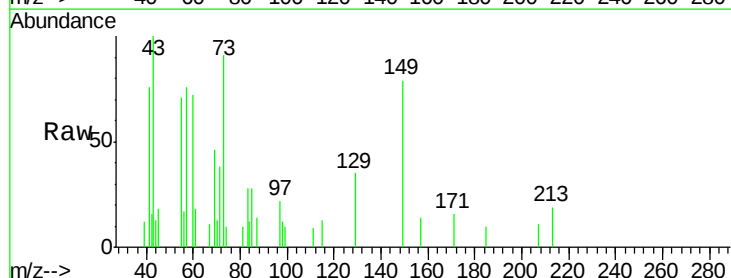
Tgt Ion:149 Resp: 2609

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

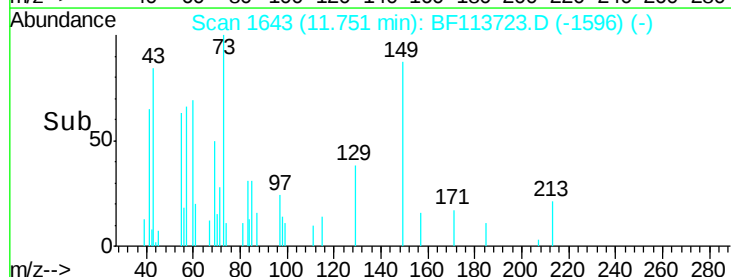
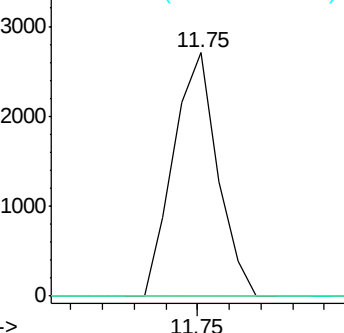
104 0.0 3.7 5.5#

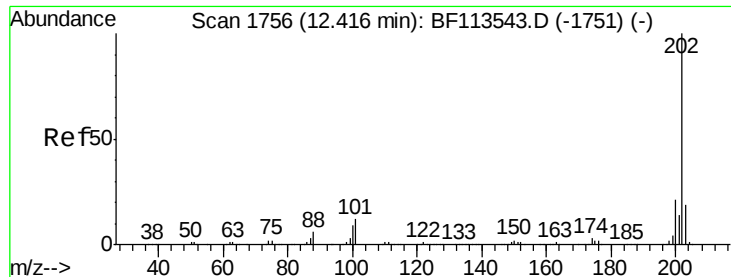


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

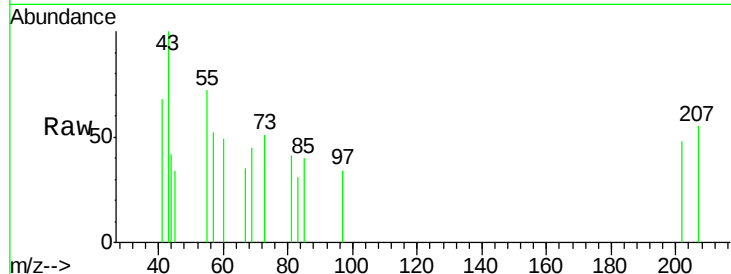




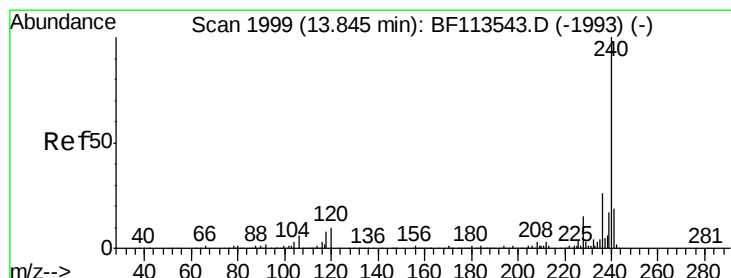
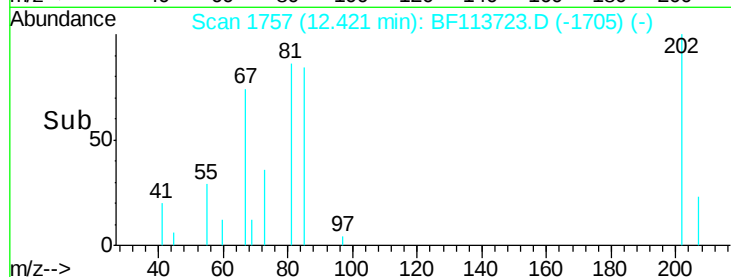
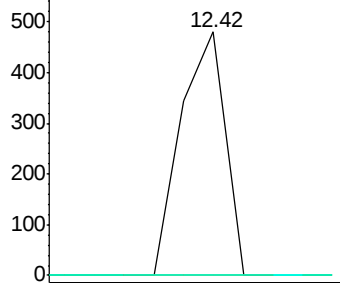
#75
Fluoranthene
Concen: 0.012 ng
RT: 12.42 min Scan# 1757
Delta R.T. 0.01 min
Lab File: BF113723.D
Acq: 11 Apr 2019 16:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	31.4
203	0.0	0.0	38.0

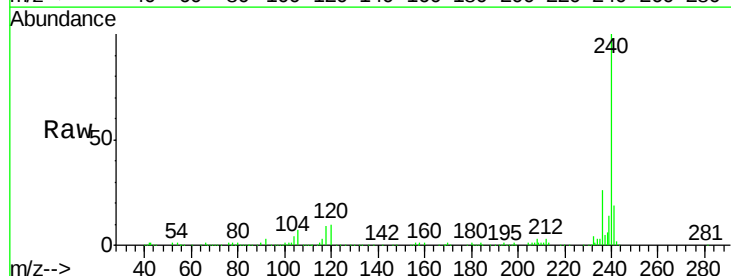


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

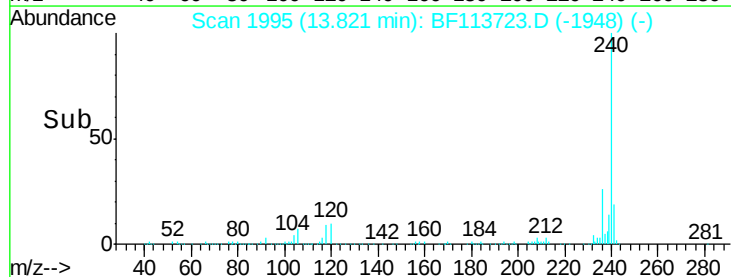
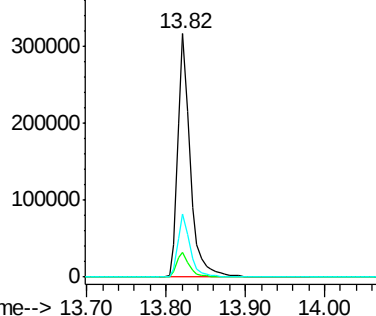


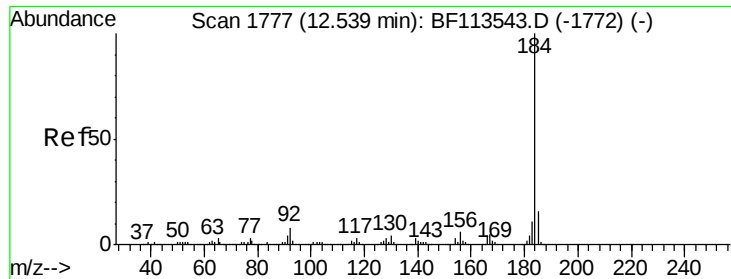
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.02 min
Lab File: BF113723.D
Acq: 11 Apr 2019 16:35

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.8	13.2
236	25.8	20.9	31.3



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 1.371 ng

RT: 12.77 min Scan# 1816

Delta R.T. 0.23 min

Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

Instrument :

BNA_F

ClientSampleId :

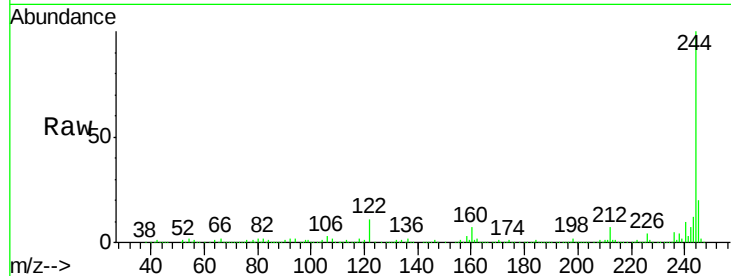
Tot Ion:184 Resp: 17785

Ion Ratio Lower Upper

184 100

185 16.9 13.0 19.6

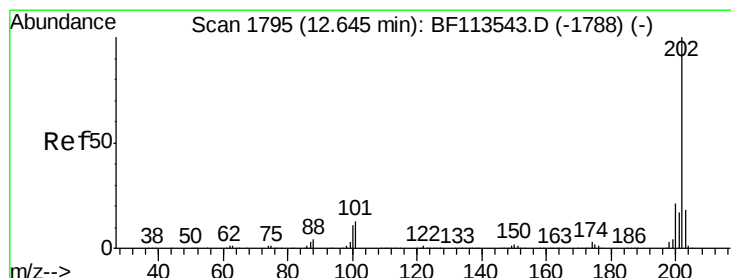
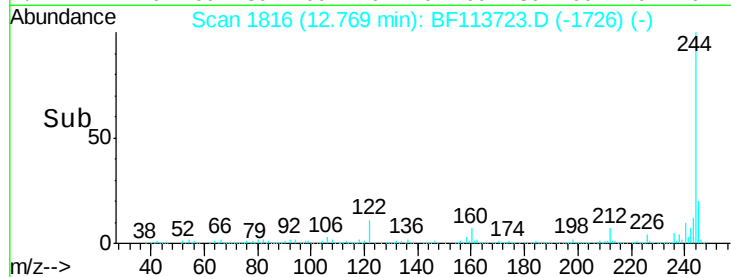
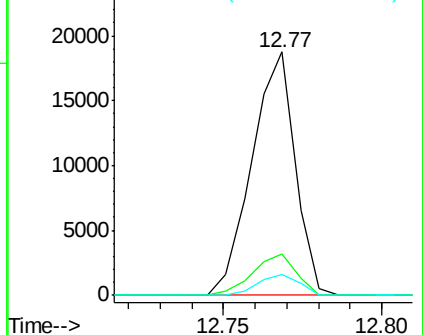
183 8.5 9.0 13.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 0.011 ng

RT: 12.64 min Scan# 1795

Delta R.T. 0.00 min

Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

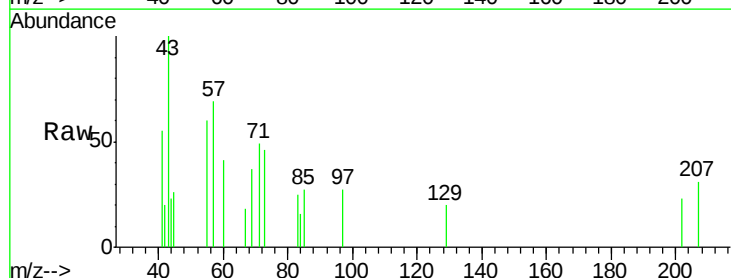
Tgt Ion:202 Resp: 289

Ion Ratio Lower Upper

202 100

200 0.0 16.8 25.2#

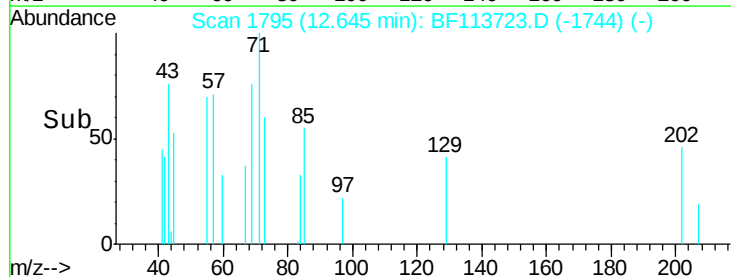
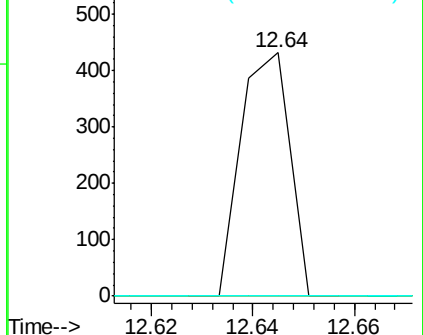
203 0.0 14.4 21.6#

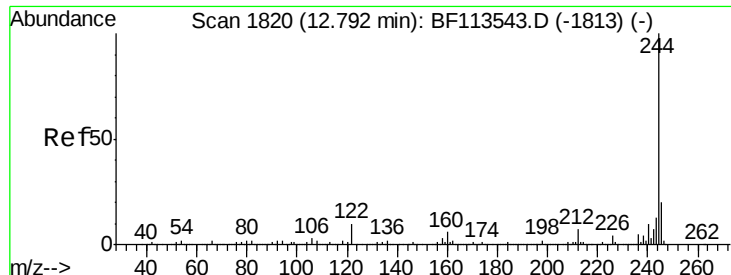


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 89.459 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

Instrument :

BNA_F

ClientSampleId :

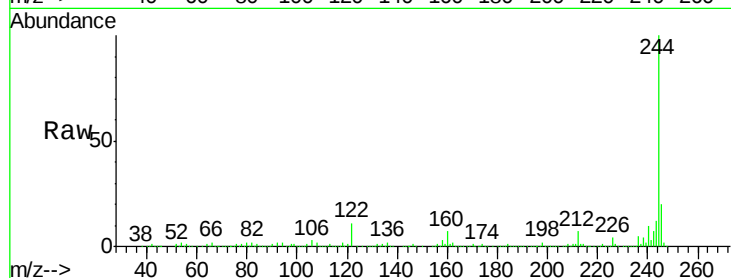
Tot Ion:244 Resp: 1532723

Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

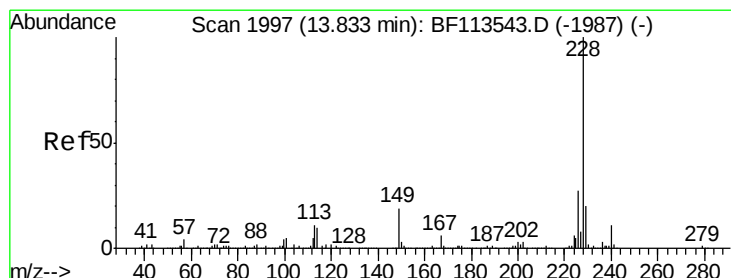
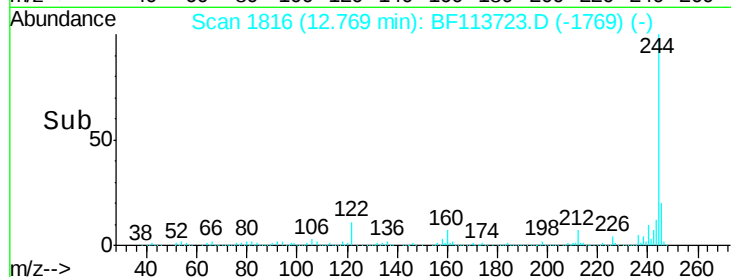
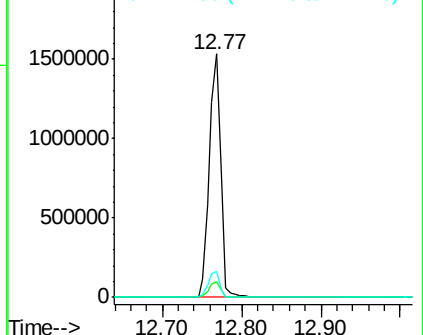
122 10.7 8.6 13.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 0.043 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

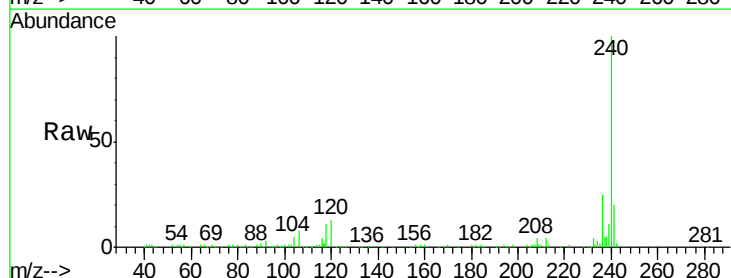
Tgt Ion:228 Resp: 869

Ion Ratio Lower Upper

228 100

226 0.0 21.8 32.8#

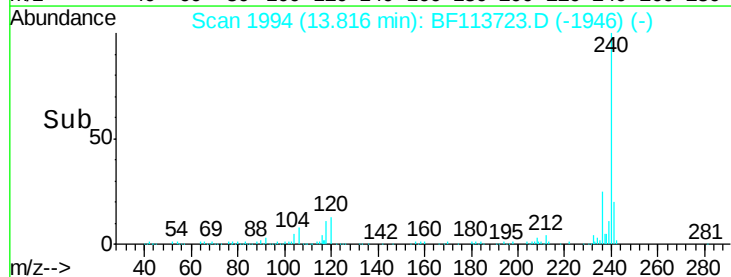
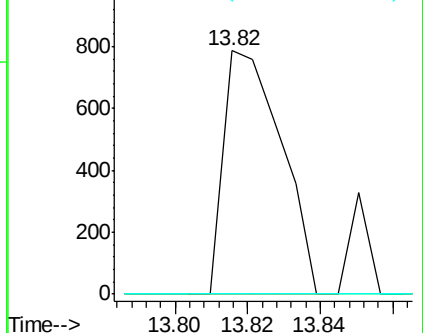
229 0.0 16.2 24.4#

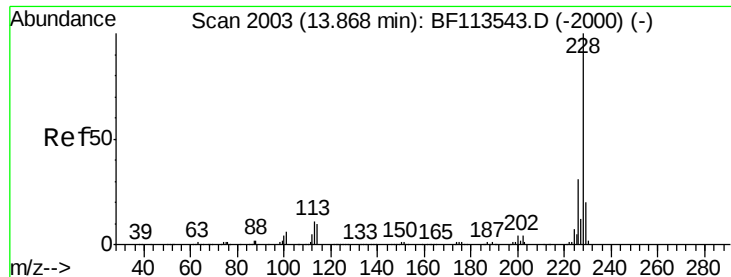


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

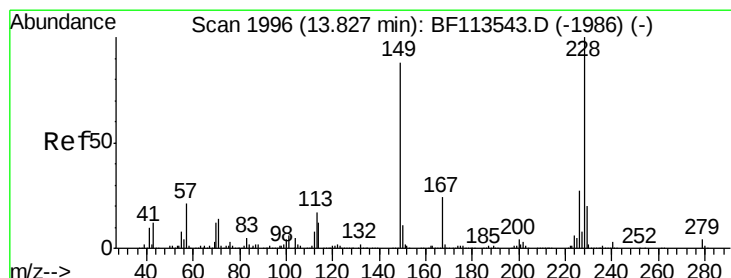
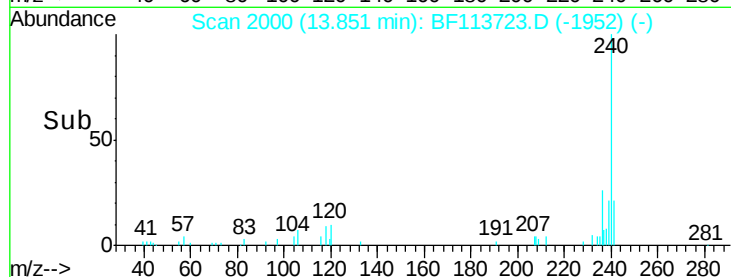
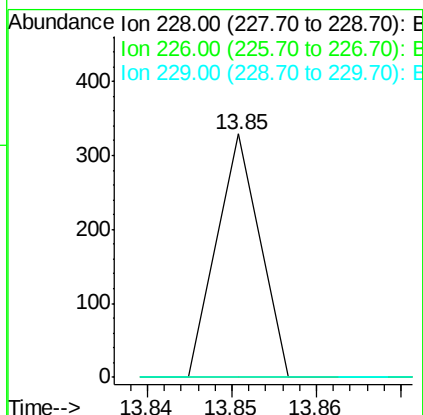
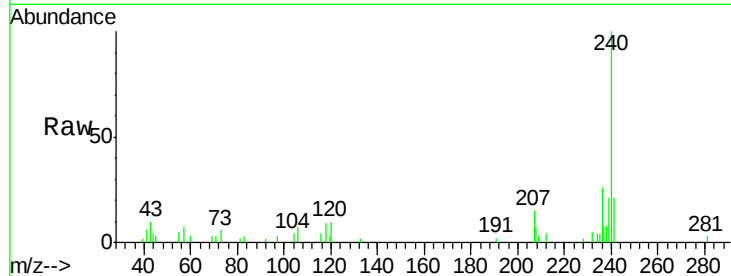




#83
 Chrysene
 Concen: 0.006 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.02 min
 Lab File: BF113723.D
 Acq: 11 Apr 2019 16:35

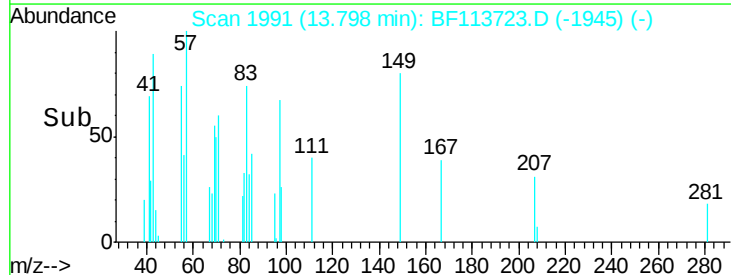
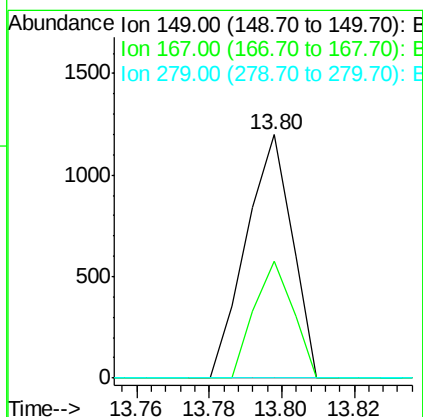
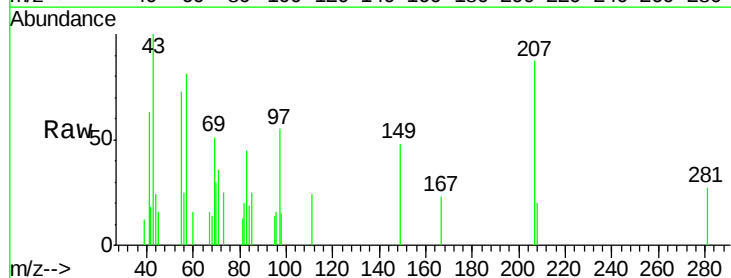
Instrument :
 BNA_F
 ClientSampleId :

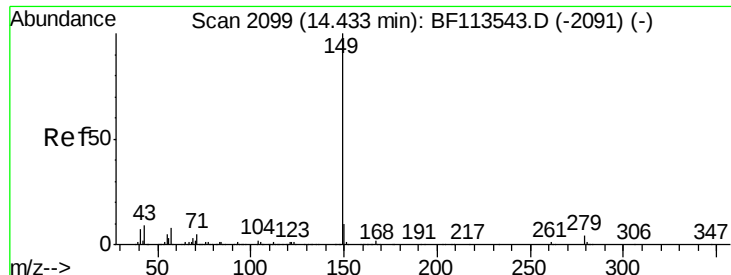
Tot Ion:228 Resp: 116
 Ion Ratio Lower Upper
 228 100
 226 0.0 24.3 36.5#
 229 0.0 16.3 24.5#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.081 ng
 RT: 13.80 min Scan# 1991
 Delta R.T. -0.03 min
 Lab File: BF113723.D
 Acq: 11 Apr 2019 16:35

Tgt Ion:149 Resp: 1057
 Ion Ratio Lower Upper
 149 100
 167 48.1 21.8 32.8#
 279 0.0 2.9 4.3#





#85

Di-n-octyl phthalate

Concen: 0.007 ng

RT: 14.44 min Scan# 2100

Delta R.T. 0.01 min

Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

Instrument :

BNA_F

ClientSampleId :

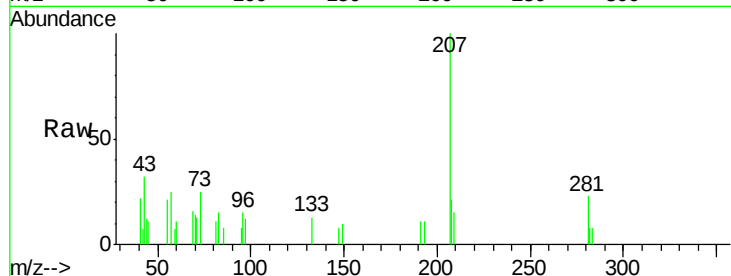
Tot Ion:149 Resp: 153

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

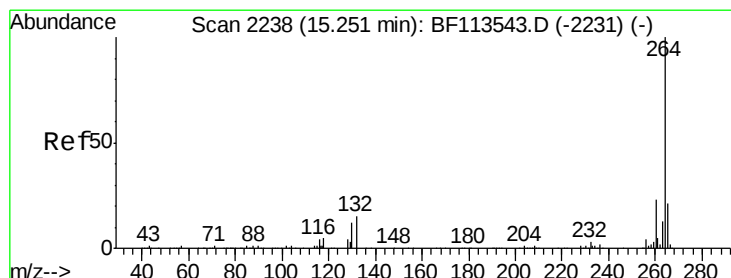
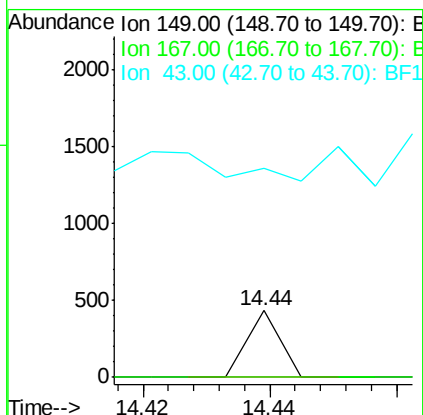
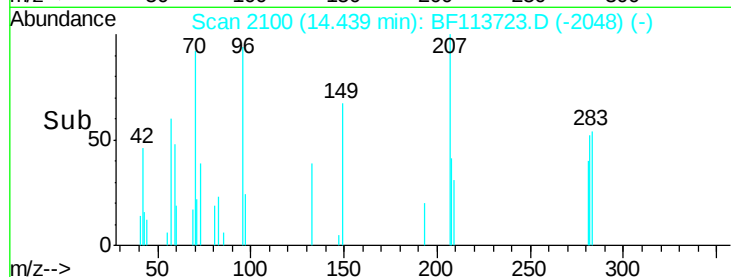
43 0.0 7.7 11.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.02 min

Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

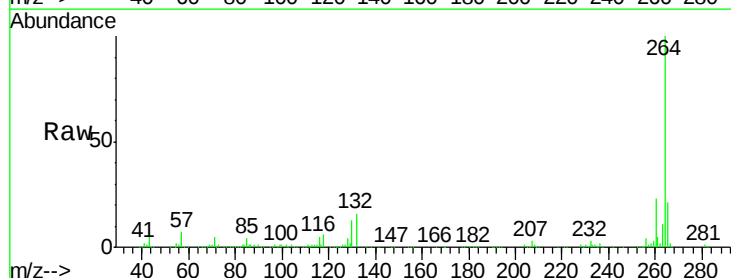
Tgt Ion:264 Resp: 330802

Ion Ratio Lower Upper

264 100

260 23.5 19.1 28.7

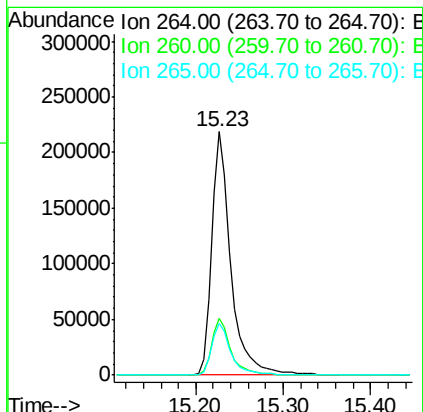
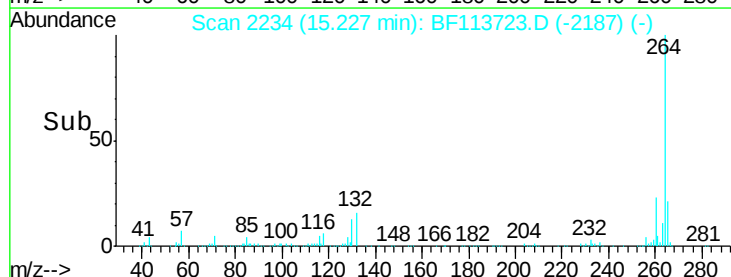
265 21.3 17.1 25.7

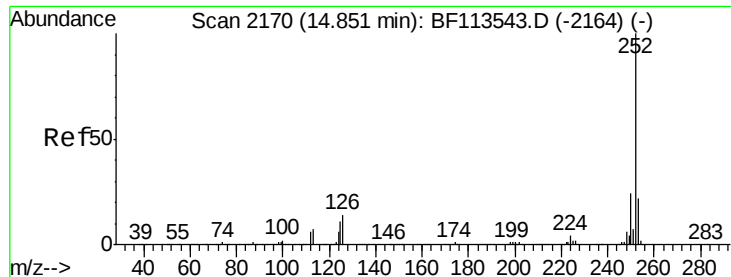


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

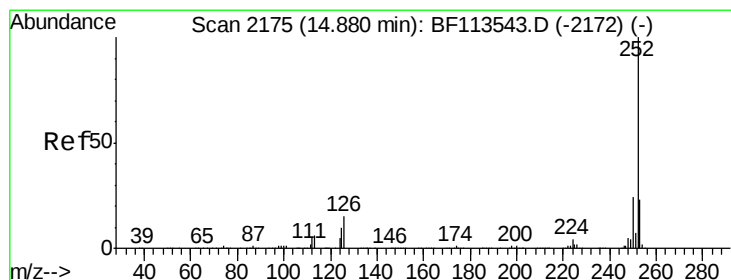
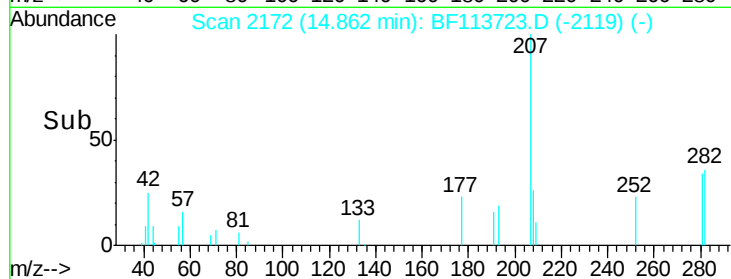
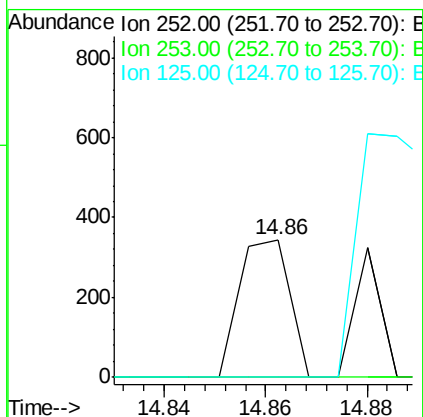
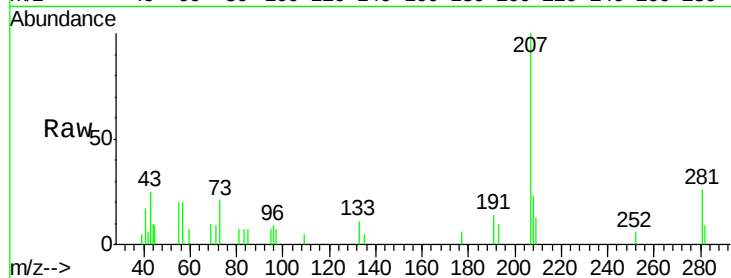




#88
Benzo(b)fluoranthene
Concen: 0.012 ng
RT: 14.86 min Scan# 2172
Delta R.T. 0.01 min
Lab File: BF113723.D
Acq: 11 Apr 2019 16:35

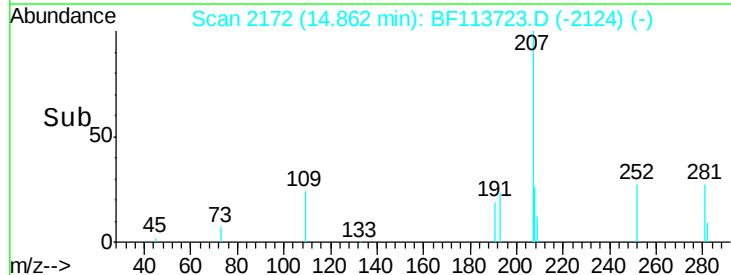
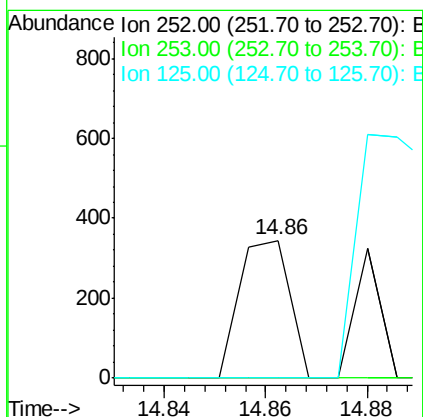
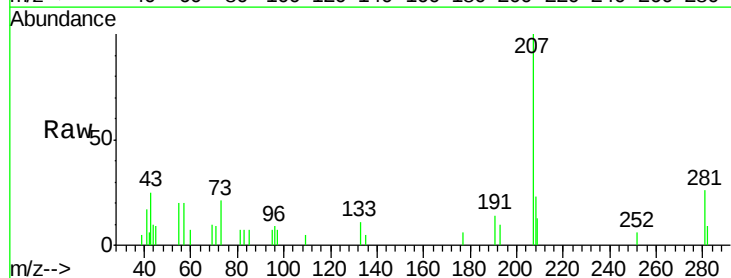
Instrument :
BNA_F
ClientSampleId :

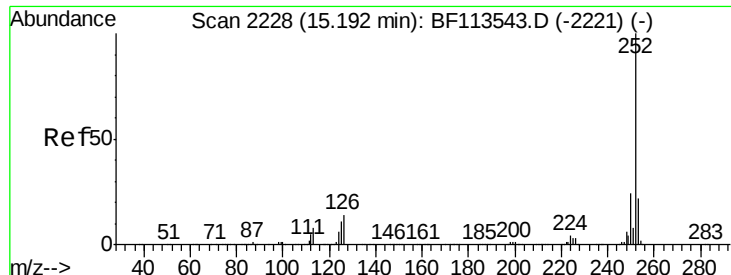
Tot Ion	Ratio	Lower	Upper
252	100		
253	0.0	18.0	27.0#
125	0.0	7.6	11.4#



#89
Benzo(k)fluoranthene
Concen: 0.013 ng
RT: 14.86 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF113723.D
Acq: 11 Apr 2019 16:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	0.0	17.7	26.5#
125	0.0	7.3	10.9#





#90

Benzo(a)pyrene

Concen: 0.057 ng

RT: 15.23 min Scan# 2235

Delta R.T. 0.04 min

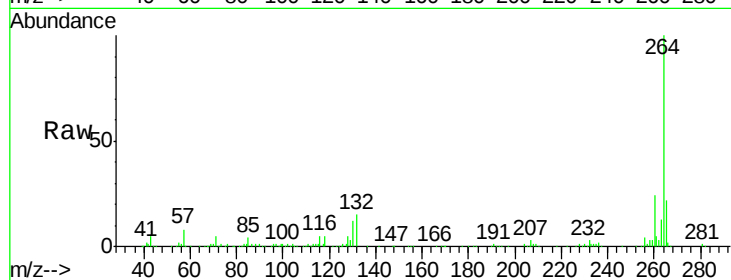
Lab File: BF113723.D

Acq: 11 Apr 2019 16:35

Instrument :

BNA_F

ClientSampleId :



Tot Ion:	252	Resp:	1018
Ion Ratio	Lower	Upper	
252	100		
253	0.0	17.9	26.9#
125	83.2	8.8	13.2#

