

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
 Data File : BF113728.D
 Acq On : 11 Apr 2019 19:00
 Operator : JU/SJ
 Sample : K2343-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 12 01:01:22 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	120816	20.00	ng	-0.02
21) Naphthalene-d8	7.96	136	467710	20.00	ng	-0.01
39) Acenaphthene-d10	9.70	164	224547	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	455593	20.00	ng	-0.02
76) Chrysene-d12	13.82	240	341667	20.00	ng	-0.02
87) Perylene-d12	15.23	264	327079	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	798796	112.74	ng	-0.01
7) Phenol-d6	6.33	99	1041895	119.31	ng	-0.01
23) Nitrobenzene-d5	7.24	82	608546	76.21	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	265323	98.36	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	1174343	84.19	ng	-0.02
79) Terphenyl-d14	12.76	244	1217577	72.56	ng	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.45	93	995	0.094	ng	# 1
9) Benzaldehyde	6.33	77	1130	0.218	ng	# 1
10) Phenol	6.34	94	5048	0.506	ng	# 1
11) bis(2-Chloroethyl)ether	6.45	93	995	0.128	ng	# 1
15) Benzyl Alcohol	6.83	79	9170	1.553	ng	# 45
19) n-Nitroso-di-n-propylamine	7.24	70	76496	14.206	ng	# 77
24) Nitrobenzene	7.24	77	1316	0.160	ng	# 34
25) Isophorone	7.24	82	608542	39.563	ng	# 64
31) Naphthalene	7.97	128	2240	0.099	ng	# 68
37) 2-Methylnaphthalene	8.69	142	1843	0.124	ng	# 87
38) 1-Methylnaphthalene	8.78	142	2383	0.166	ng	# 88
46) 1,1'-Biphenyl	9.13	154	2606	0.141	ng	# 81
47) 2-Chloronaphthalene	9.43	162	344	0.025	ng	# 1
48) 2-Nitroaniline	9.43	65	603	0.140	ng	# 1
49) Acenaphthylene	9.57	152	2164	0.095	ng	# 98
50) Dimethylphthalate	9.43	163	106150	6.413	ng	# 100
51) 2,6-Dinitrotoluene	9.43	165	935	0.256	ng	# 1
52) Acenaphthene	9.73	154	5057	0.387	ng	# 97
55) Dibenzofuran	9.93	168	9009	0.470	ng	# 95
56) 4-Nitrophenol	9.93	139	2945	1.144	ng	# 7
57) 2,4-Dinitrotoluene	9.70	165	28509	6.461	ng	# 23
58) Fluorene	10.26	166	6109	0.403	ng	# 99
60) Diethylphthalate	10.13	149	285	0.018	ng	# 59
63) Azobenzene	10.49	77	952	0.063	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.49	198	185	0.077	ng	# 1
66) n-Nitrosodiphenylamine	10.49	169	7235	0.517	ng	# 39
67) 4-Bromophenyl-phenylether	10.49	248	14967	2.929	ng	# 1
71) Phenanthrene	11.21	178	102943	4.547	ng	# 97
72) Anthracene	11.27	178	24979	1.084	ng	# 97
73) Carbazole	11.46	167	4497	0.209	ng	# 97
74) Di-n-butylphthalate	11.75	149	1190	0.046	ng	# 78
75) Fluoranthene	12.40	202	137731	5.678	ng	# 99
77) Benzidine	12.76	184	14018	1.103	ng	# 95
78) Pyrene	12.63	202	120789	4.646	ng	# 97

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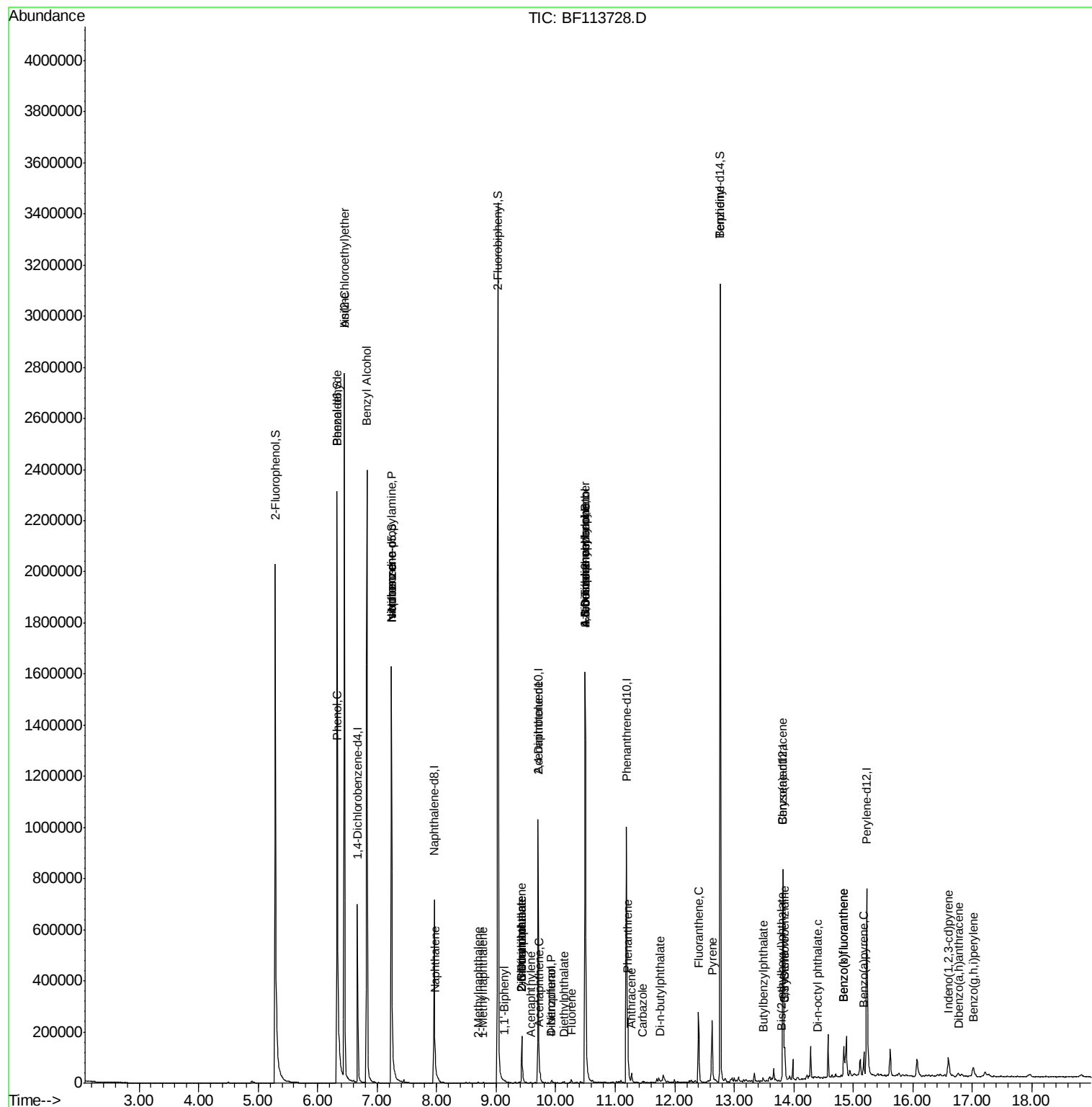
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Butylbenzylphthalate	13.48	149	114	0.011	nq	# 25
81) Benzo(a)anthracene	13.81	228	54974	2.789	nq	99
82) 3,3'-Dichlorobenzidine	13.85	252	113	0.015	nq	# 14
83) Chrysene	13.85	228	48333	2.419	nq	99
84) Bis(2-ethylhexyl)phthalate	13.79	149	1541	0.120	nq	# 98
85) Di-n-octyl phthalate	14.41	149	251	0.012	nq	# 77
86) Indeno(1,2,3-cd)pyrene	16.60	276	40255	2.182	nq	96
88) Benzo(b)fluoranthene	14.84	252	90783	4.534	nq	96
89) Benzo(k)fluoranthene	14.84	252	90783	5.052	nq	# 97
90) Benzo(a)pyrene	15.17	252	50521	2.840	nq	99
91) Dibenzo(a,h)anthracene	16.76	278	7683	0.462	nq	95
92) Benzo(a,h,i)perylene	17.01	276	38957	2.294	nq	95

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

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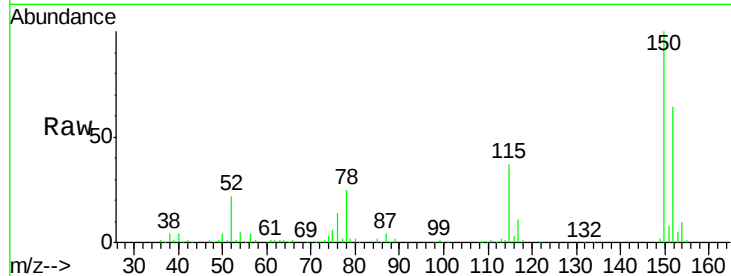


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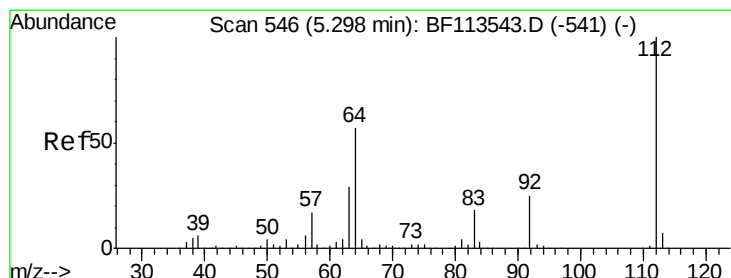
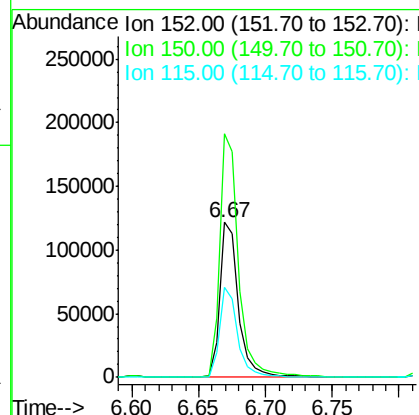
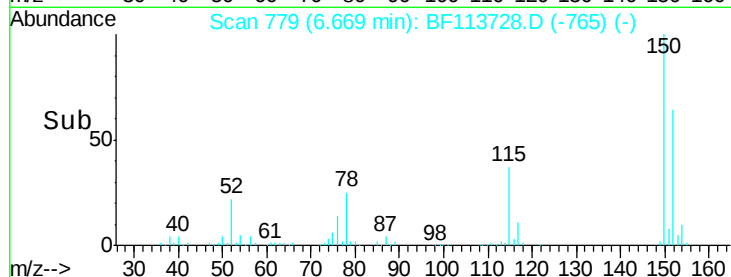
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.02 min
Lab File: BF113728.D
Acq: 11 Apr 2019 19:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 120816
Ion Ratio Lower Upper
152 100
150 157.1 124.7 187.1
115 58.3 46.0 69.0



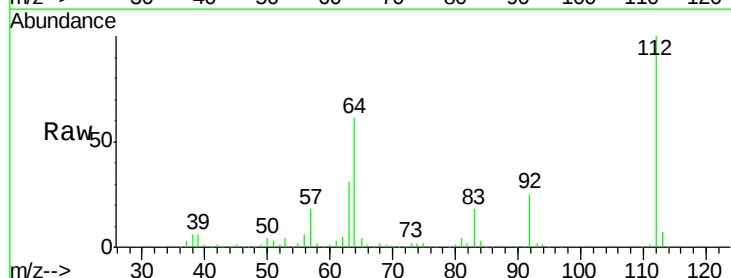
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



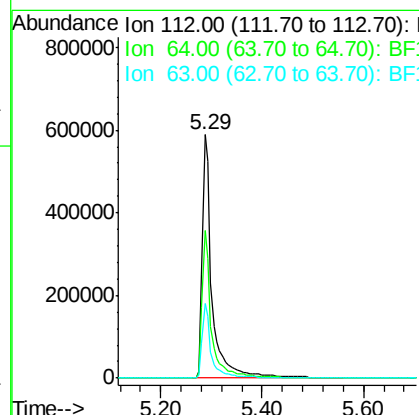
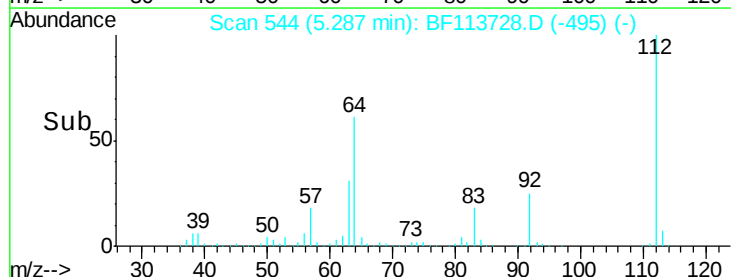
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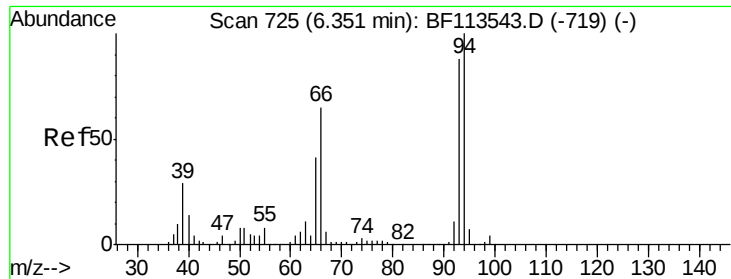
2-Fluorophenol
Concen: 112.744 ng
RT: 5.29 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF113728.D
Acq: 11 Apr 2019 19:00

Tgt Ion:112 Resp: 798796
Ion Ratio Lower Upper
112 100
64 60.5 49.2 73.8
63 30.7 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1

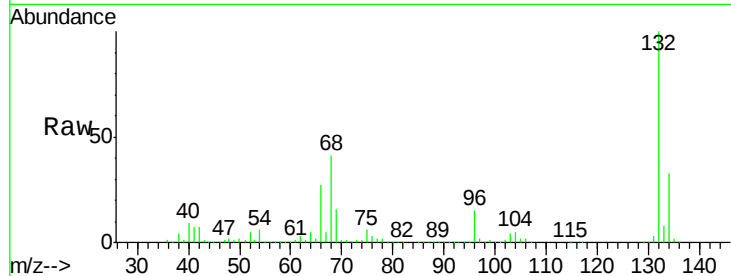




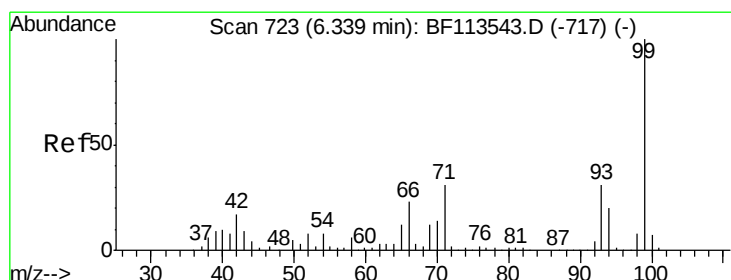
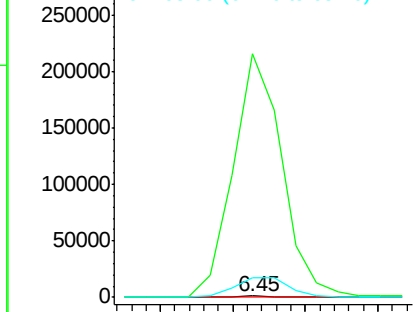
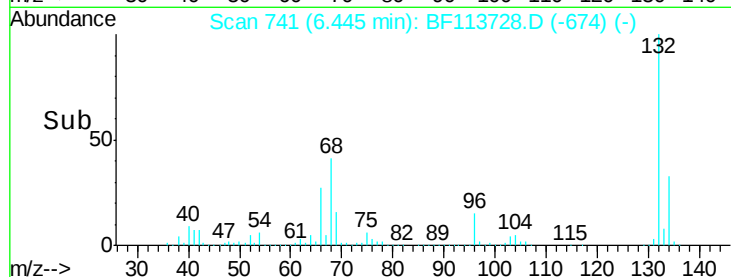
#6
Aniline
Concen: 0.094 ng
RT: 6.45 min Scan# 741
Delta R.T. 0.09 min
Lab File: BF113728.D
Acq: 11 Apr 2019 19:00

Instrument :
BNA_F
ClientSampled :

Tot Ion: 93 Resp: 995
Ion Ratio Lower Upper
93 100
66 17819.5 62.1 93.1#
65 1453.2 38.7 58.1#

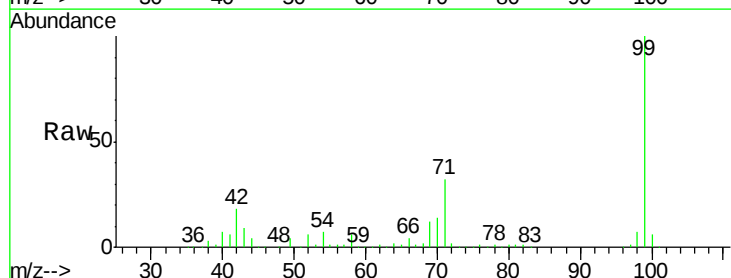


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1

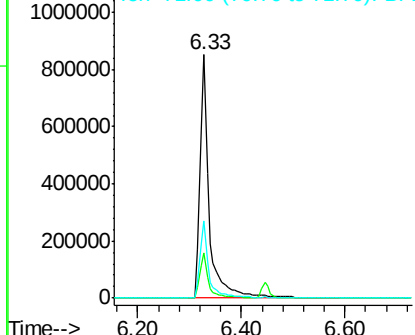
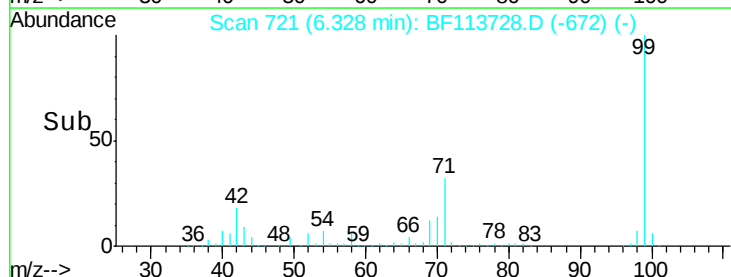


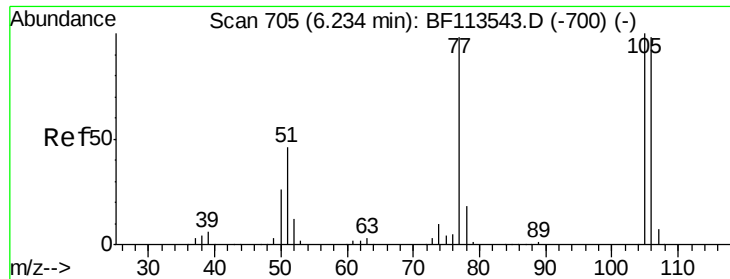
#7
Phenol-d6
Concen: 119.315 ng
RT: 6.33 min Scan# 721
Delta R.T. -0.01 min
Lab File: BF113728.D
Acq: 11 Apr 2019 19:00

Tgt Ion: 99 Resp: 1041895
Ion Ratio Lower Upper
99 100
42 18.4 14.8 22.2
71 31.5 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: 0.218 ng

RT: 6.33 min Scan# 721

Delta R.T. 0.09 min

Lab File: BF113728.D

Acq: 11 Apr 2019 19:00

Instrument :

BNA_F

ClientSampled :

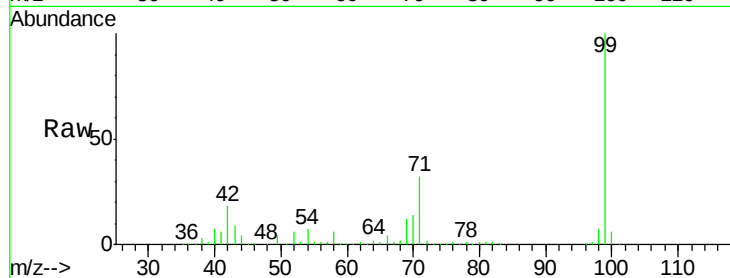
Tot Ion: 77 Resp: 1130

Ion Ratio Lower Upper

77 100

105 0.0 80.9 120.9#

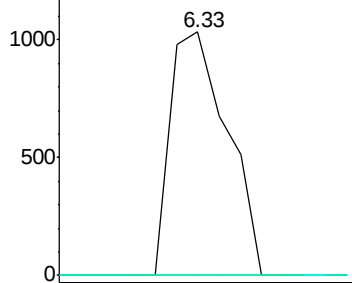
106 0.0 77.8 117.8#



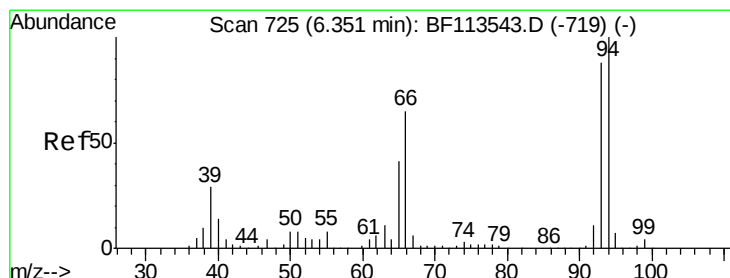
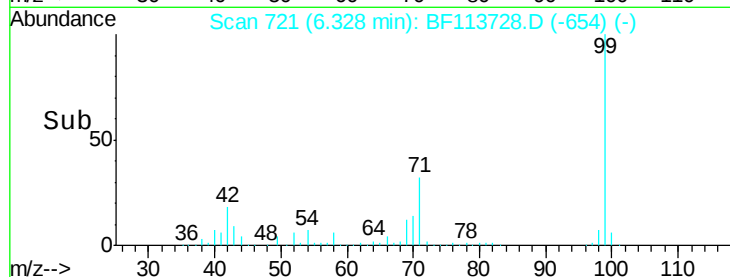
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



Time-->



#10

Phenol

Concen: 0.506 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF113728.D

Acq: 11 Apr 2019 19:00

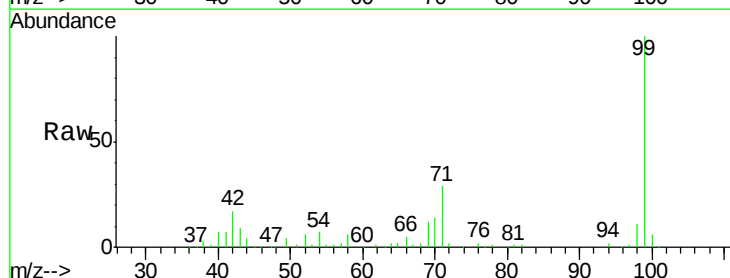
Tgt Ion: 94 Resp: 5048

Ion Ratio Lower Upper

94 100

65 72.3 21.4 61.4#

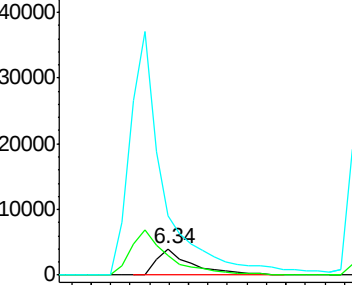
66 223.2 46.4 86.4#



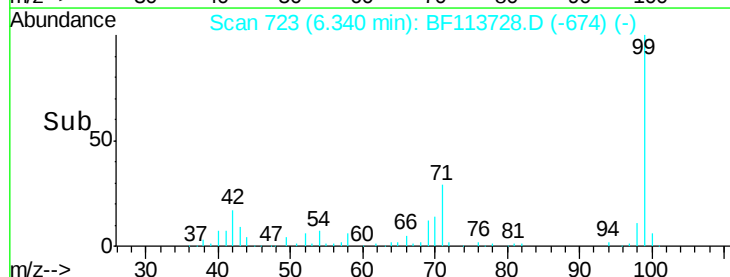
Abundance Ion 94.00 (93.70 to 94.70): BF1

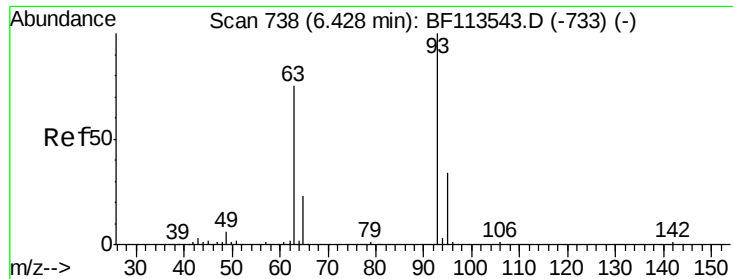
Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



Time-->

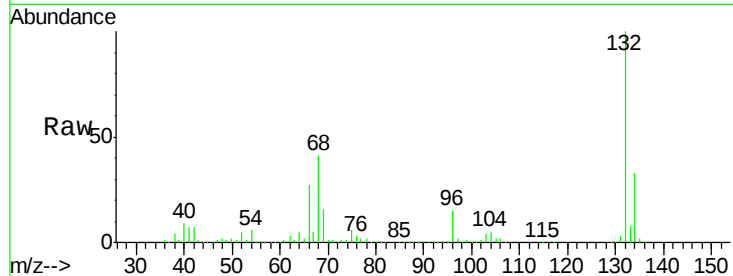




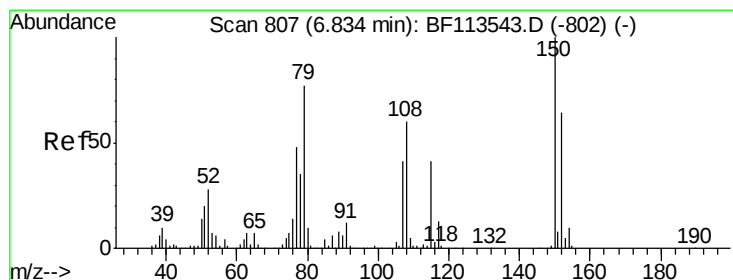
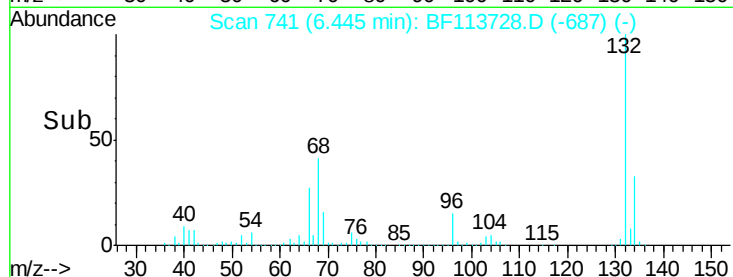
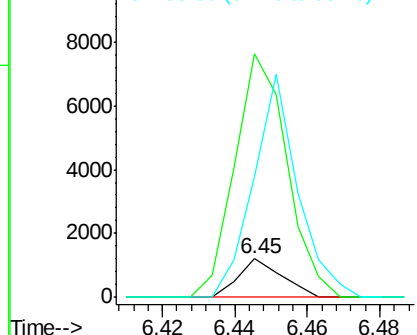
#11
bis(2-Chloroethyl)ether
Concen: 0.128 ng
RT: 6.45 min Scan# 741
Delta R.T. 0.02 min
Lab File: BF113728.D
Acq: 11 Apr 2019 19:00

Instrument :
BNA_F
ClientSampled :

Tot Ion: 93 Resp: 995
Ion Ratio Lower Upper
93 100
63 630.2 56.1 96.1#
95 312.8 12.8 52.8#

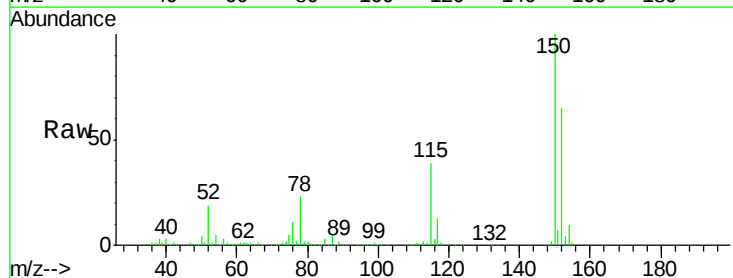


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

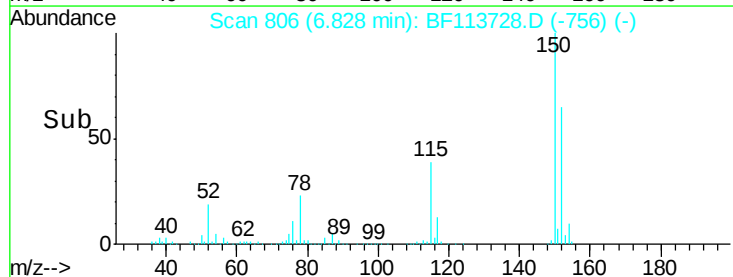
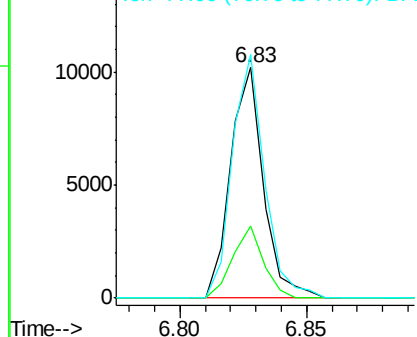


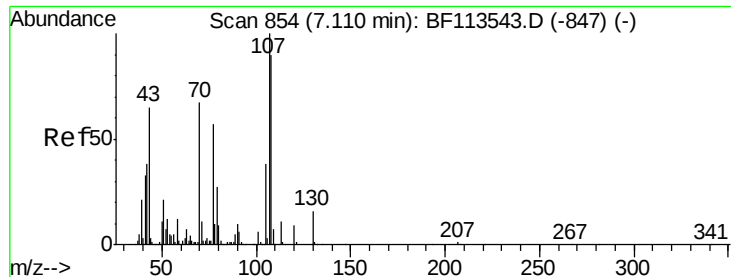
#15
Benzyl Alcohol
Concen: 1.553 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF113728.D
Acq: 11 Apr 2019 19:00

Tgt Ion: 79 Resp: 9170
Ion Ratio Lower Upper
79 100
108 31.3 62.0 93.0#
77 105.6 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

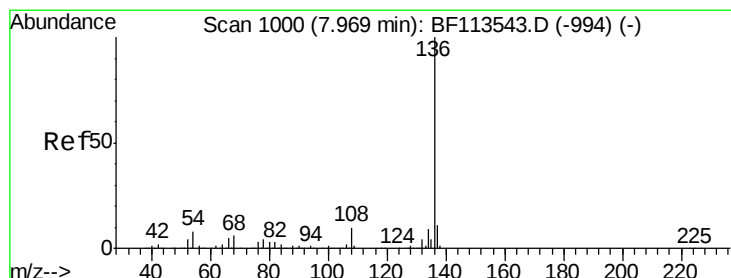
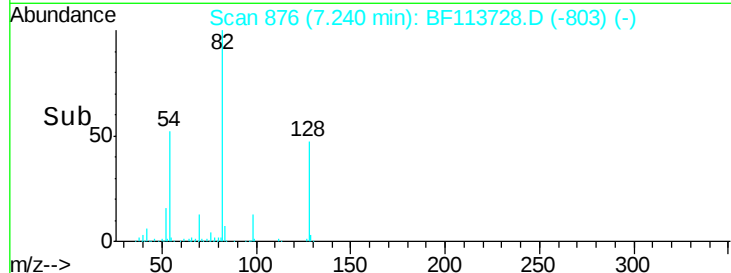
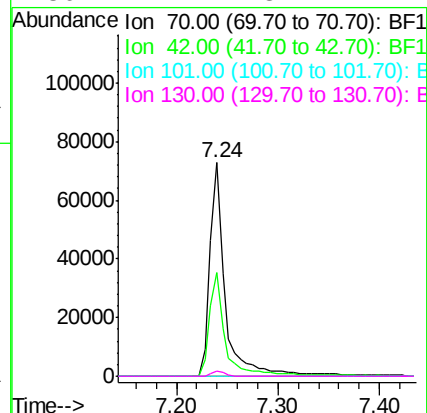
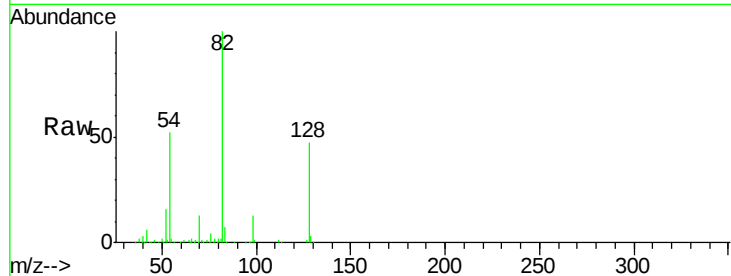




#19
n-Nitroso-di-n-propylamine
Concen: 14.206 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.13 min
Lab File: BF113728.D
Acq: 11 Apr 2019 19:00

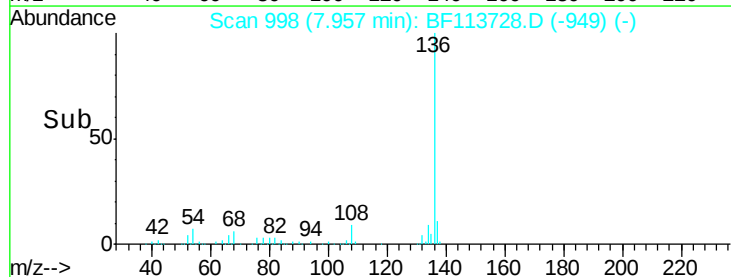
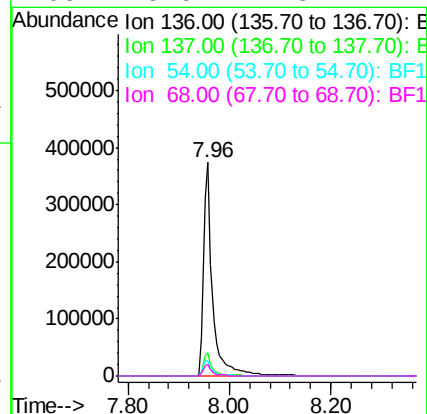
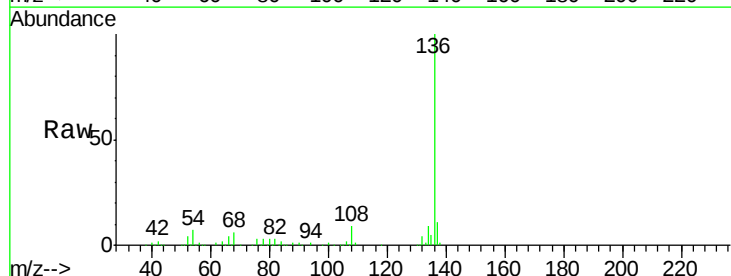
Instrument :
BNA_F
ClientSampled :

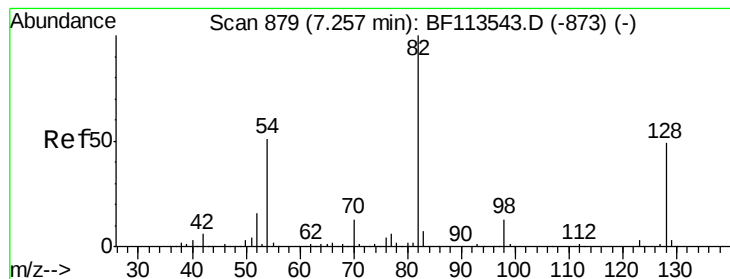
Tot Ion: 70 Resp: 76496
Ion Ratio Lower Upper
70 100
42 48.6 48.4 72.6
101 0.0 7.8 11.8#
130 2.4 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.01 min
Lab File: BF113728.D
Acq: 11 Apr 2019 19:00

Tgt Ion:136 Resp: 467710
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 7.3 7.0 10.6
68 5.5 4.8 7.2





#23

Nitrobenzene-d5

Concen: 76.213 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.02 min

Lab File: BF113728.D

Acq: 11 Apr 2019 19:00

Instrument :

BNA_F

ClientSampleId :

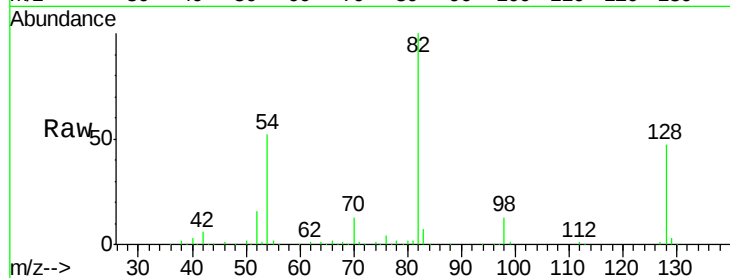
Tot Ion: 82 Resp: 608546

Ion Ratio Lower Upper

82 100

128 47.1 36.5 54.7

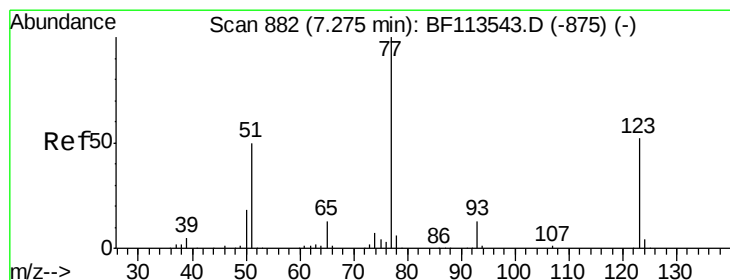
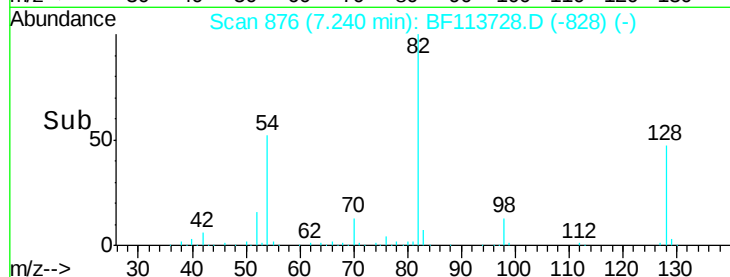
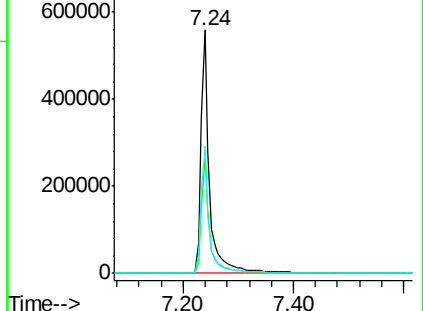
54 52.2 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 0.160 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.04 min

Lab File: BF113728.D

Acq: 11 Apr 2019 19:00

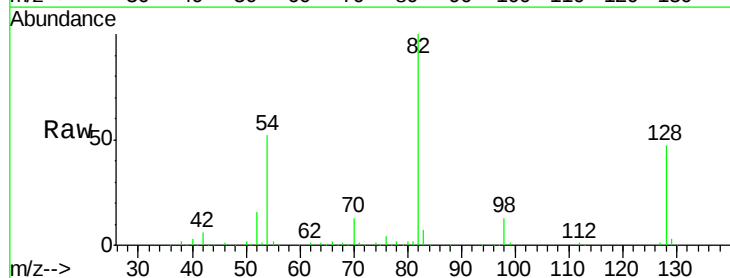
Tgt Ion: 77 Resp: 1316

Ion Ratio Lower Upper

77 100

123 0.0 40.8 61.2#

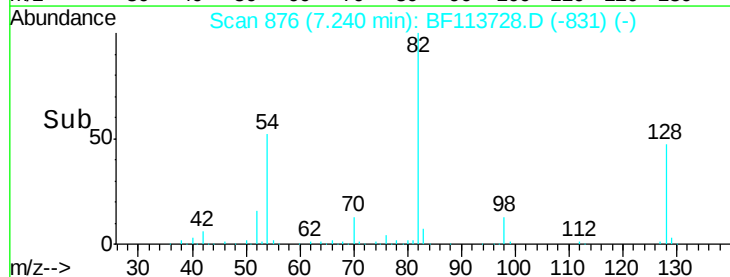
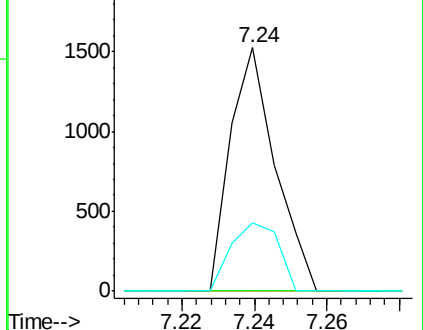
65 27.9 10.6 16.0#

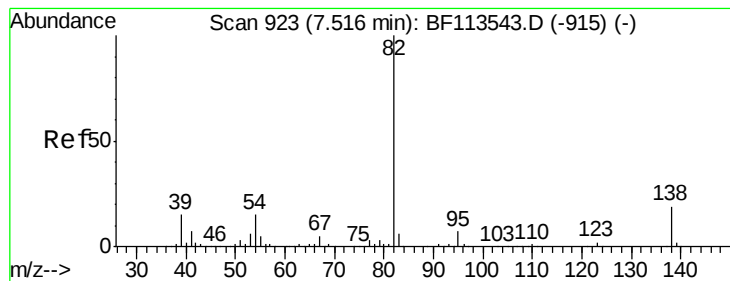


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 39.563 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.28 min

Lab File: BF113728.D

Acq: 11 Apr 2019 19:00

Instrument :

BNA_F

ClientSampleId :

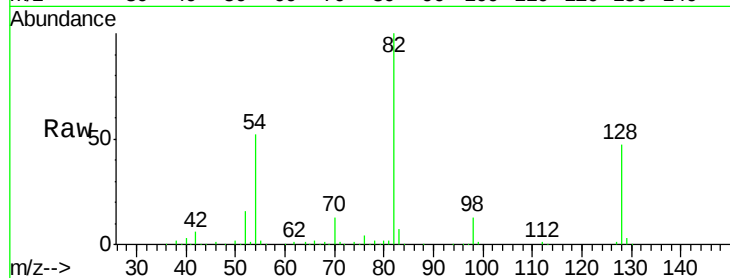
Tot Ion: 82 Resp: 608542

Ion Ratio Lower Upper

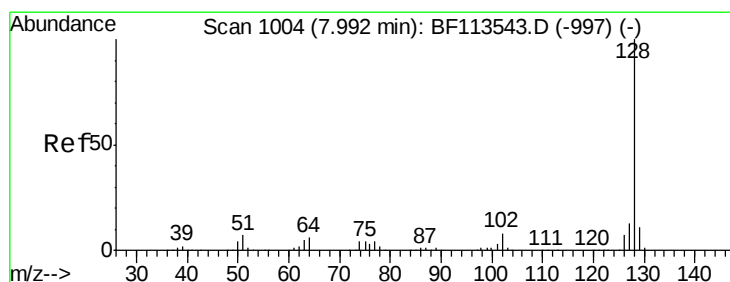
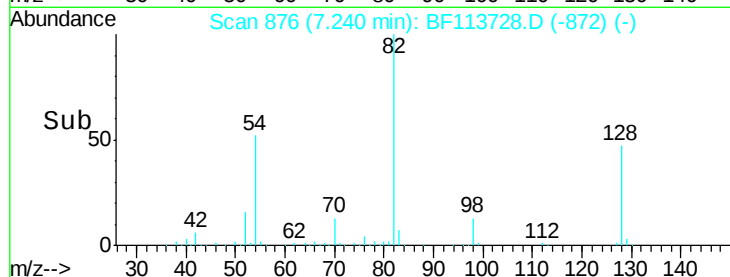
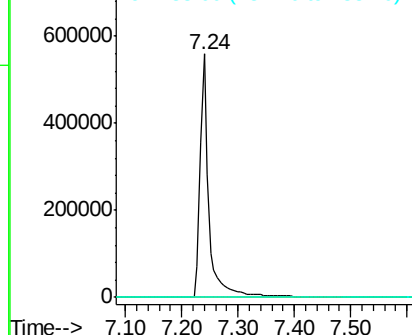
82 100

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: 0.099 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.02 min

Lab File: BF113728.D

Acq: 11 Apr 2019 19:00

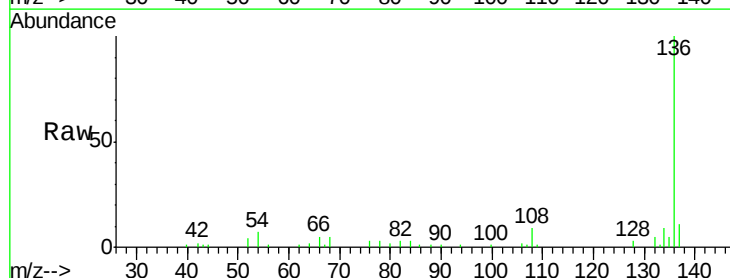
Tgt Ion: 128 Resp: 2240

Ion Ratio Lower Upper

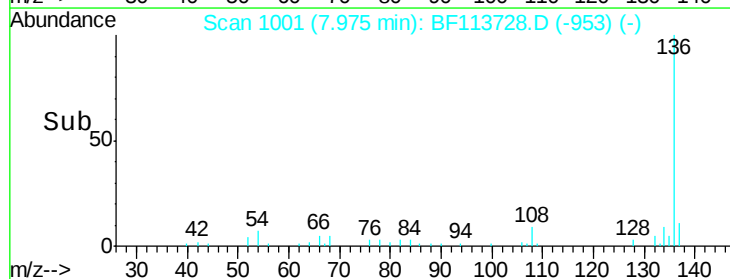
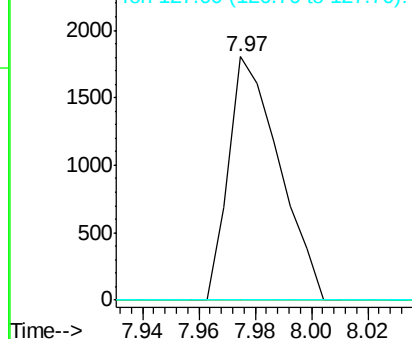
128 100

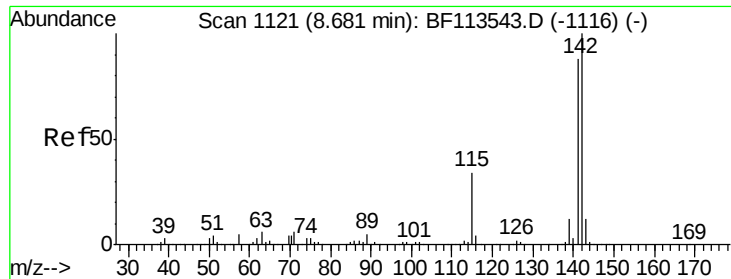
129 0.0 9.3 13.9#

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

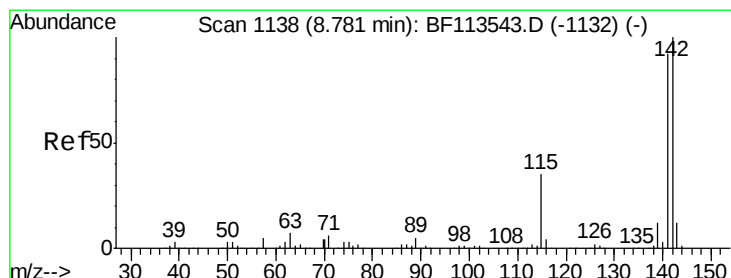
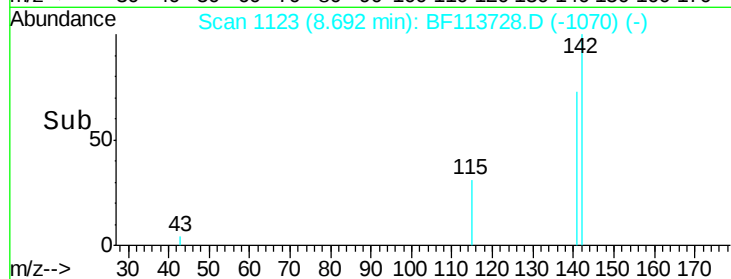
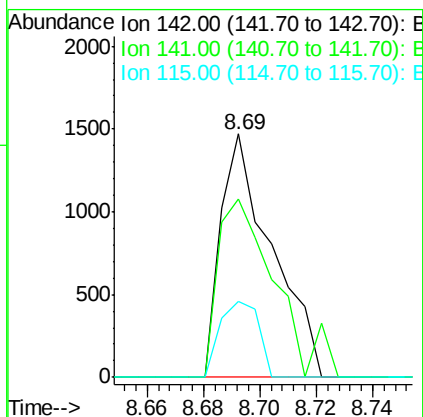
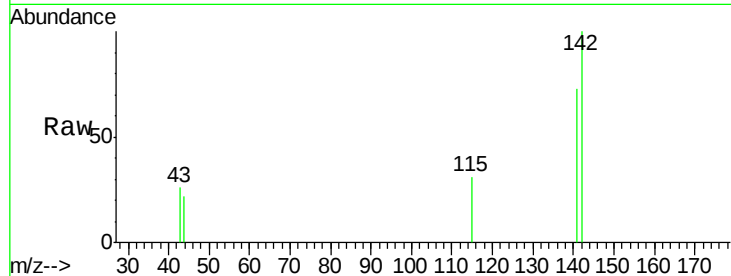




#37
2-Methylnaphthalene
Concen: 0.124 ng
RT: 8.69 min Scan# 1123
Delta R.T. 0.01 min
Lab File: BF113728.D
Acq: 11 Apr 2019 19:00

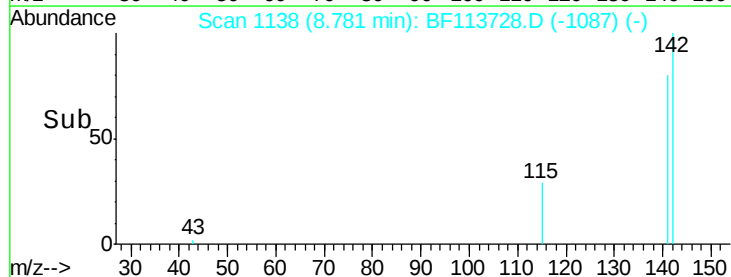
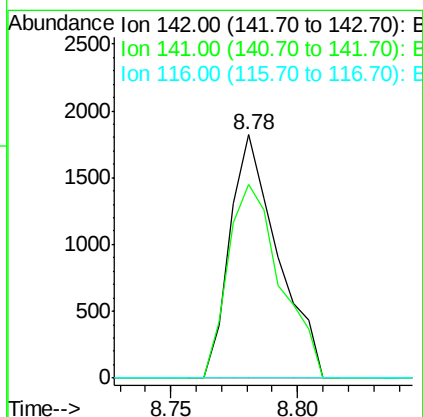
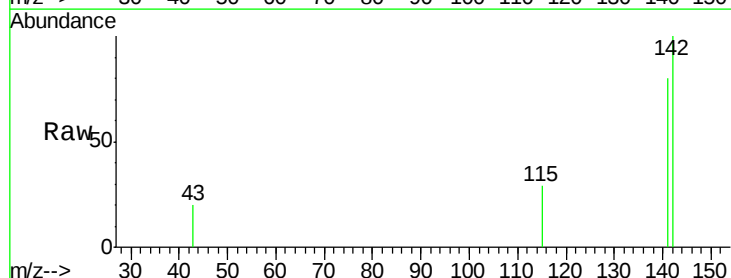
Instrument :
BNA_F
ClientSampleId :

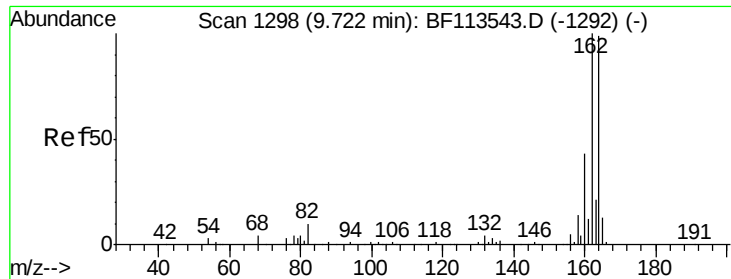
Tot Ion:142 Resp: 1843
Ion Ratio Lower Upper
142 100
141 73.5 71.0 106.6
115 31.0 26.6 39.8



#38
1-Methylnaphthalene
Concen: 0.166 ng
RT: 8.78 min Scan# 1138
Delta R.T. 0.00 min
Lab File: BF113728.D
Acq: 11 Apr 2019 19:00

Tgt Ion:142 Resp: 2383
Ion Ratio Lower Upper
142 100
141 79.8 73.2 109.8
116 0.0 3.0 4.4#

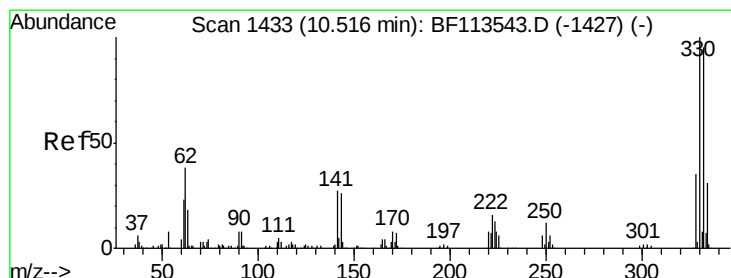
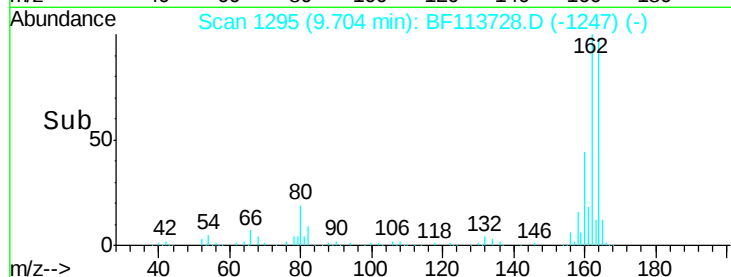
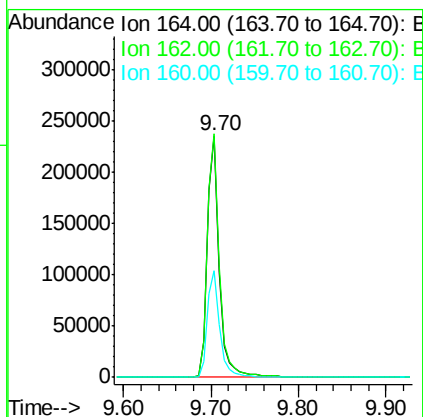
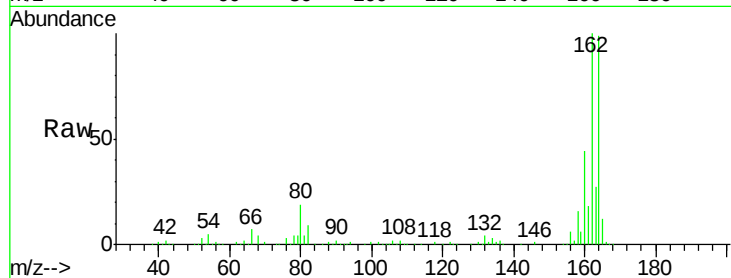




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.02 min
 Lab File: BF113728.D
 Acq: 11 Apr 2019 19:00

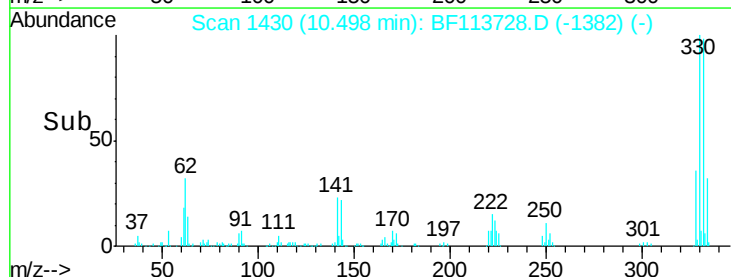
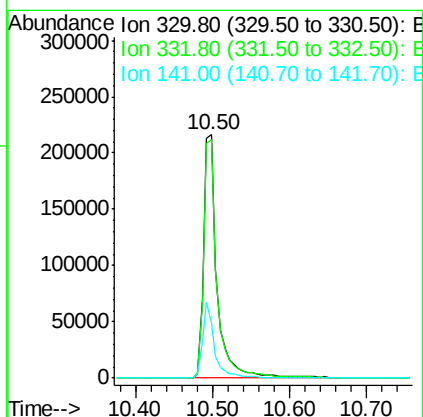
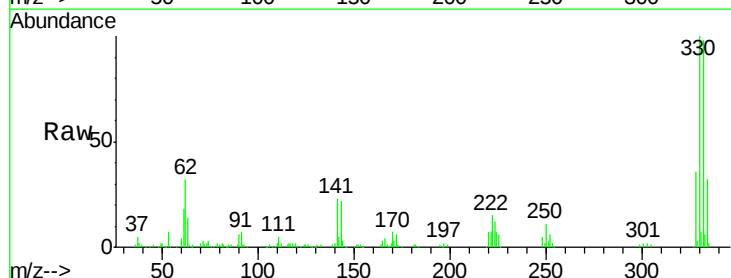
Instrument :
 BNA_F
 ClientSampleId :

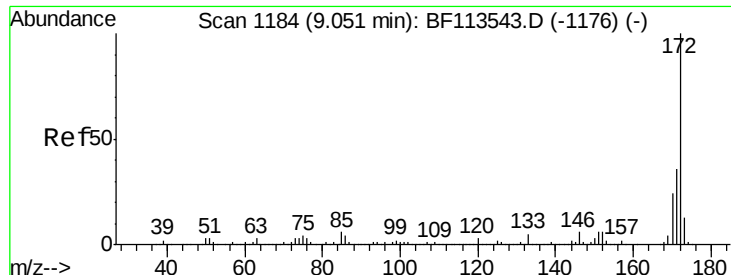
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.8	122.6
160	44.2	36.4	54.6



#42
 2,4,6-Tribromophenol
 Concen: 98.364 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF113728.D
 Acq: 11 Apr 2019 19:00

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.8	77.8	116.6
141	27.8	22.7	34.1

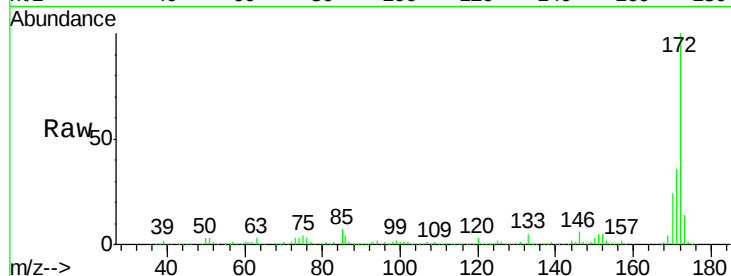




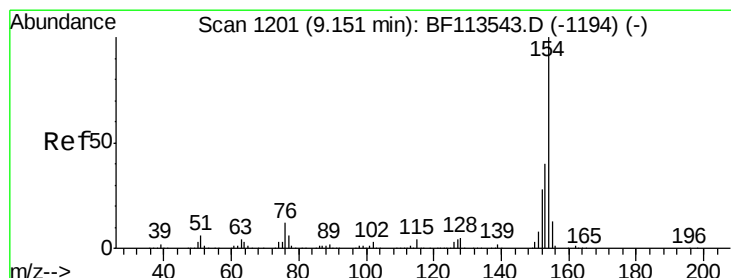
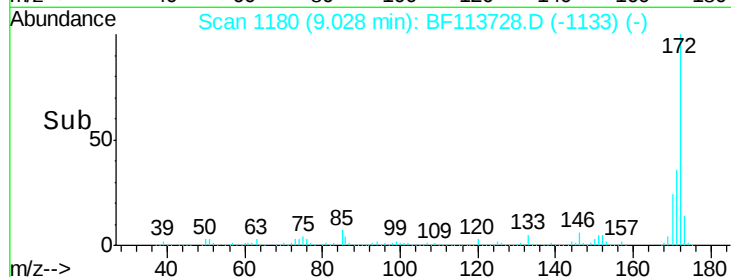
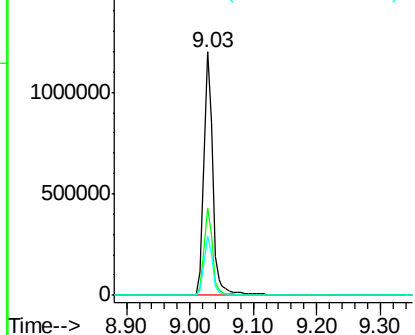
#45
 2-Fluorobiphenyl
 Concen: 84.195 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.02 min
 Lab File: BF113728.D
 Acq: 11 Apr 2019 19:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1174343
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.0 43.6
 170 24.3 19.5 29.3

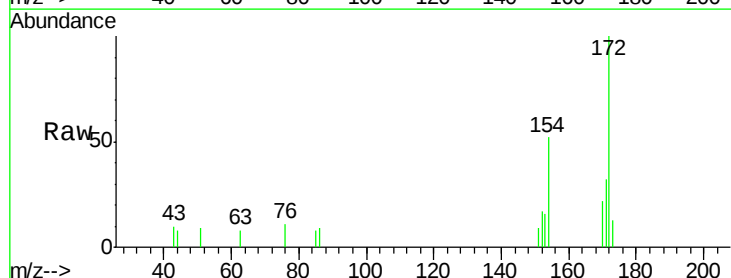


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

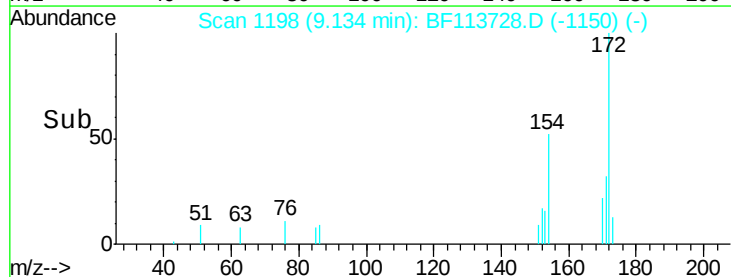
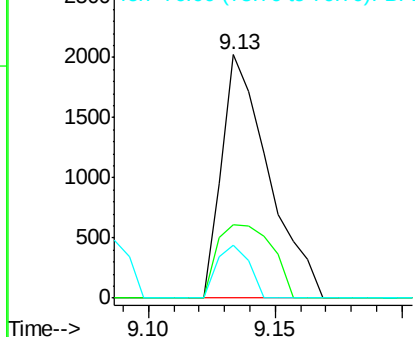


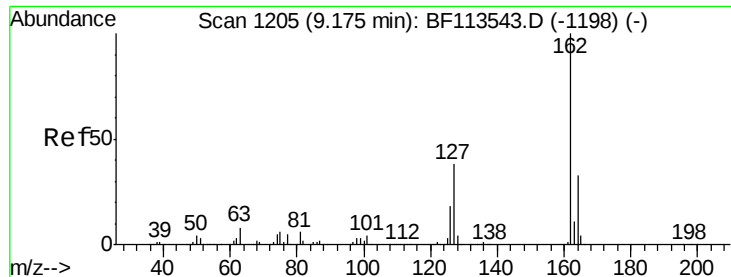
#46
 1,1'-Biphenyl
 Concen: 0.141 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: BF113728.D
 Acq: 11 Apr 2019 19:00

Tgt Ion:154 Resp: 2606
 Ion Ratio Lower Upper
 154 100
 153 30.3 20.8 60.8
 76 21.6 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

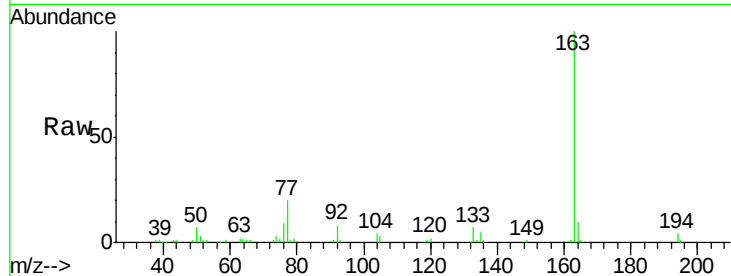




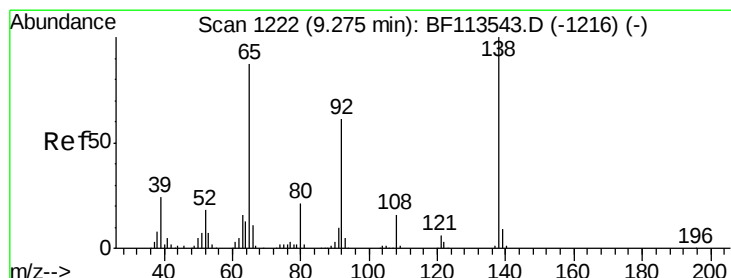
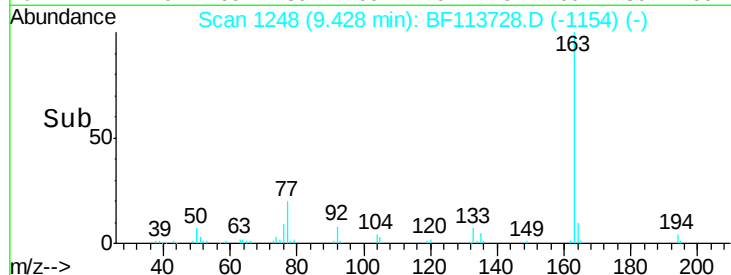
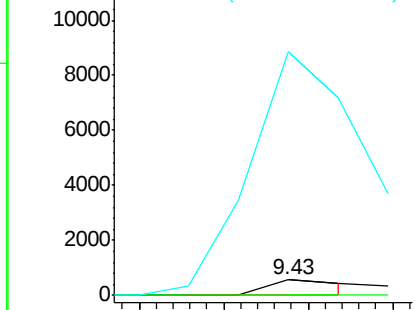
#47
2-Chloronaphthalene
Concen: 0.025 ng
RT: 9.43 min Scan# 1248
Delta R.T. 0.25 min
Lab File: BF113728.D
Acq: 11 Apr 2019 19:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:162 Resp: 344
Ion Ratio Lower Upper
162 100
127 0.0 32.6 49.0#
164 1583.9 26.6 39.8#

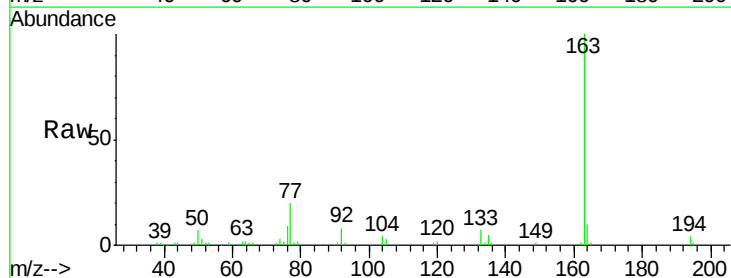


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

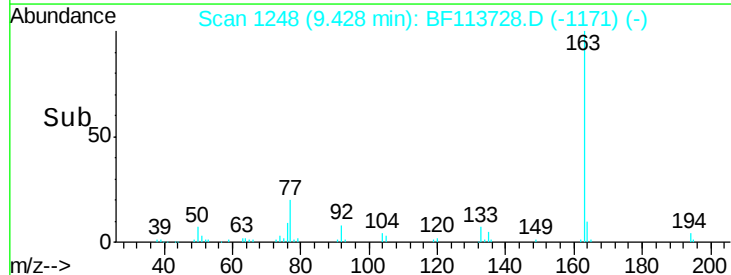
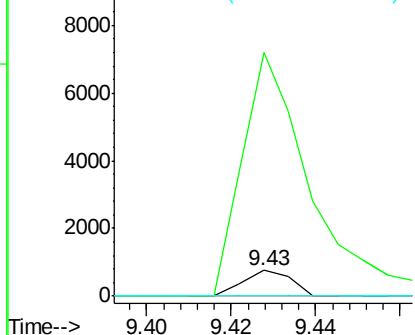


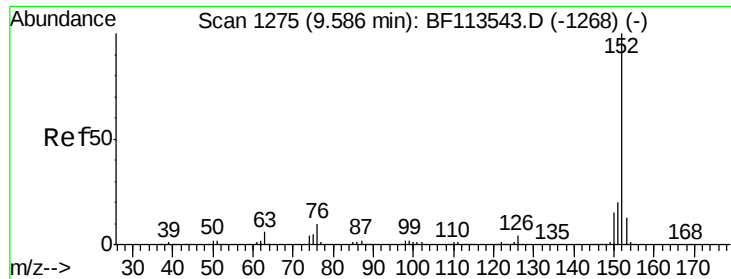
#48
2-Nitroaniline
Concen: 0.140 ng
RT: 9.43 min Scan# 1248
Delta R.T. 0.15 min
Lab File: BF113728.D
Acq: 11 Apr 2019 19:00

Tgt Ion: 65 Resp: 603
Ion Ratio Lower Upper
65 100
92 945.2 56.8 85.2#
138 0.0 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: 0.095 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF113728.D

Acq: 11 Apr 2019 19:00

Instrument :

BNA_F

ClientSampleId :

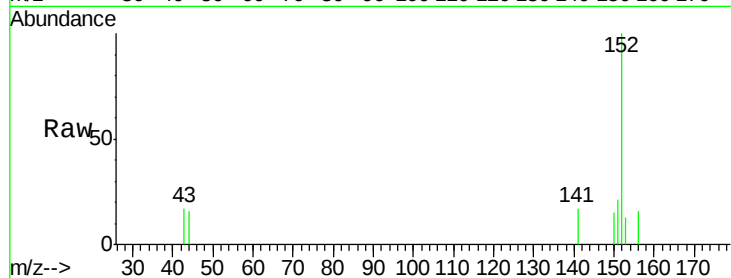
Tot Ion:152 Resp: 2164

Ion Ratio Lower Upper

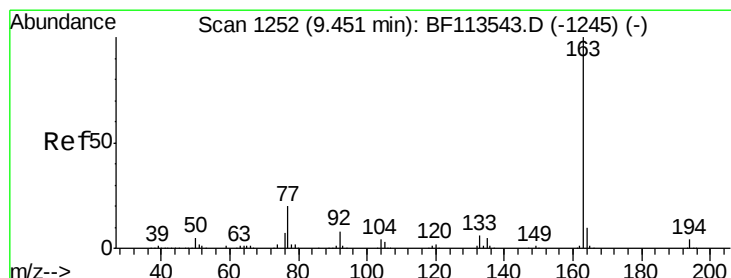
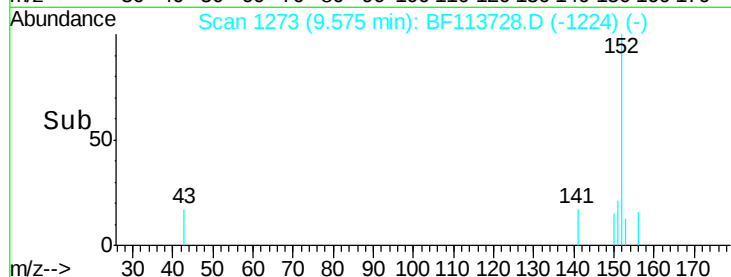
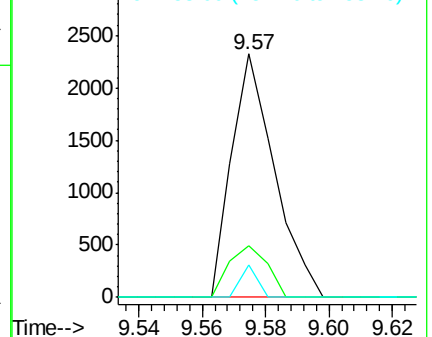
152 100

151 21.1 16.2 24.4

153 13.1 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



#50

Dimethylphthalate

Concen: 6.413 ng

RT: 9.43 min Scan# 1248

Delta R.T. -0.02 min

Lab File: BF113728.D

Acq: 11 Apr 2019 19:00

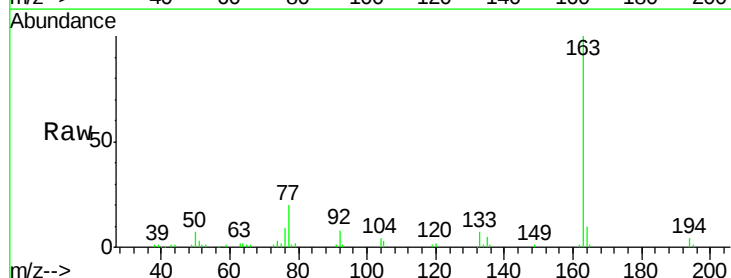
Tgt Ion:163 Resp: 106150

Ion Ratio Lower Upper

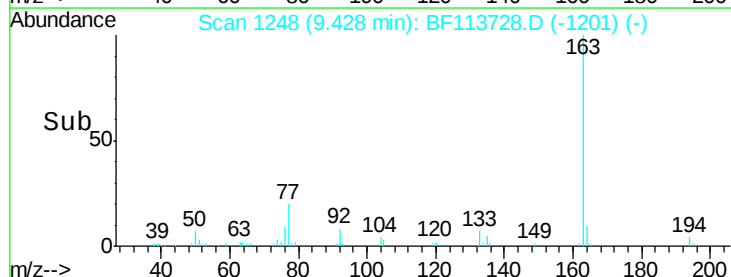
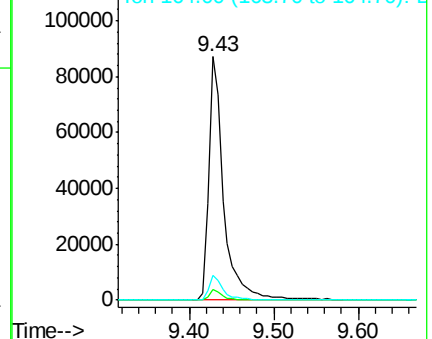
163 100

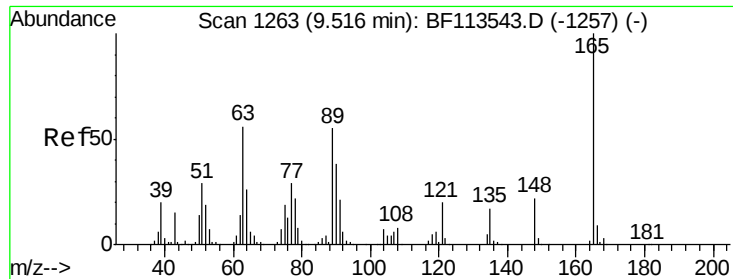
194 4.2 3.0 4.6

164 10.2 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





#51

2,6-Dinitrotoluene

Concen: 0.256 ng

RT: 9.43 min Scan# 1248

Delta R.T. -0.09 min

Lab File: BF113728.D

Acq: 11 Apr 2019 19:00

Instrument :

BNA_F

ClientSampleId :

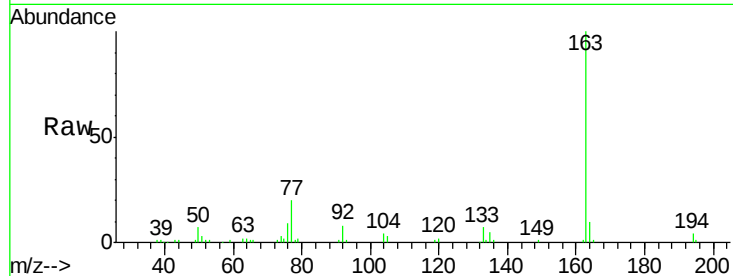
Tot Ion:165 Resp: 935

Ion Ratio Lower Upper

165 100

63 142.1 43.4 65.0#

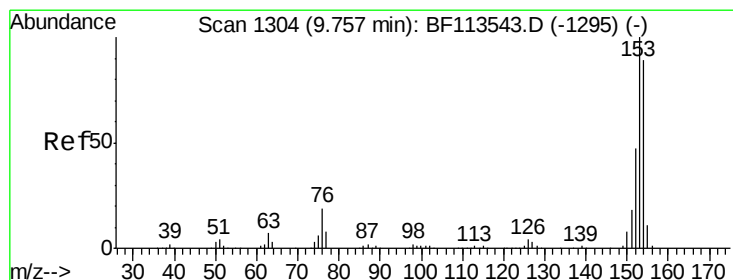
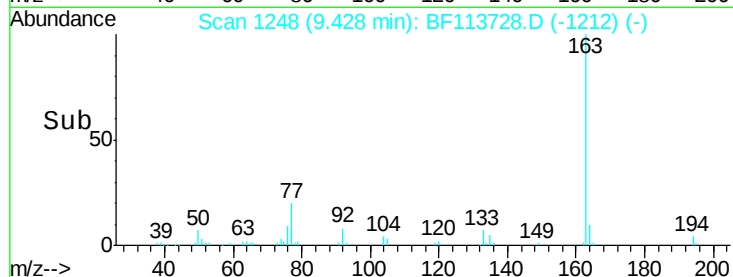
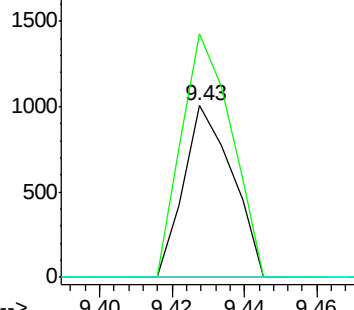
89 0.0 43.1 64.7#



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: 0.387 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BF113728.D

Acq: 11 Apr 2019 19:00

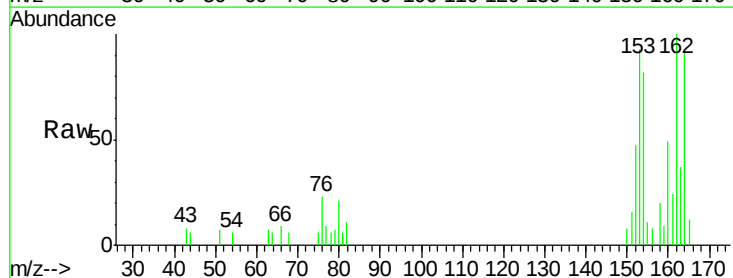
Tgt Ion:154 Resp: 5057

Ion Ratio Lower Upper

154 100

153 113.7 89.5 134.3

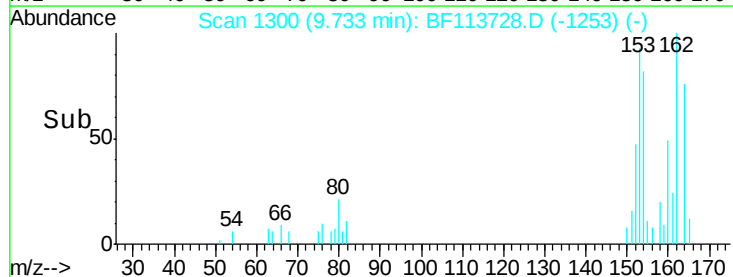
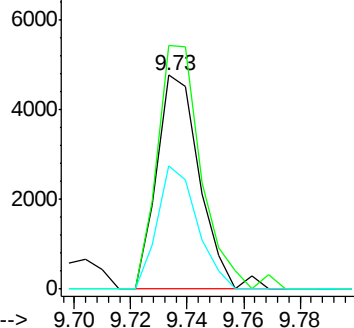
152 57.7 43.3 64.9

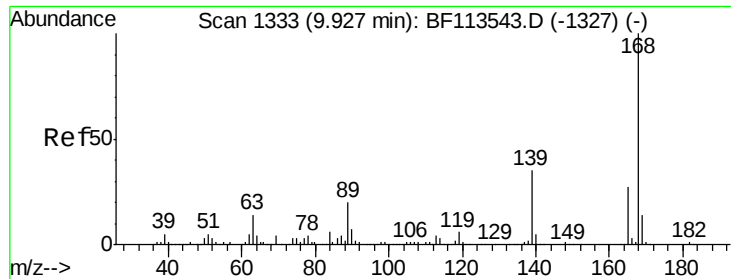


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

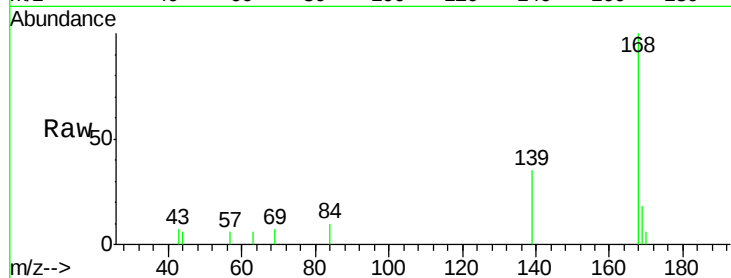




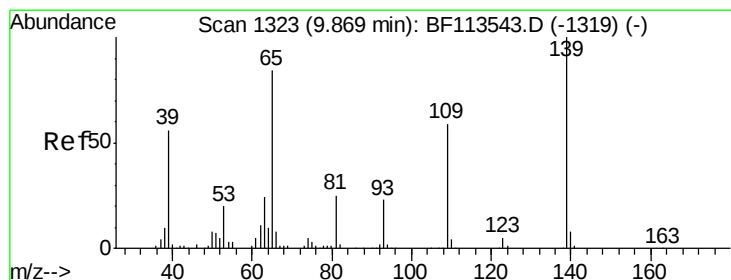
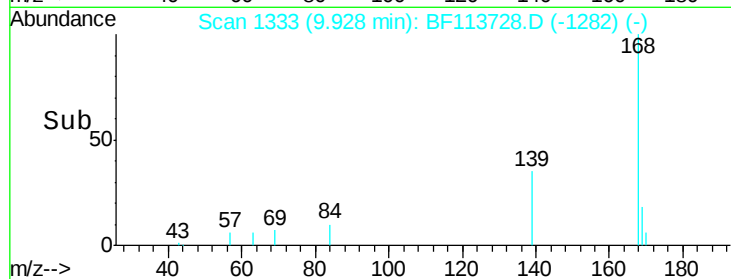
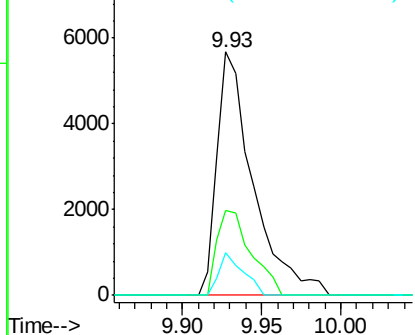
#55
Dibenzenofuran
Concen: 0.470 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BF113728.D
Acq: 11 Apr 2019 19:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 9009
Ion Ratio Lower Upper
168 100
139 34.9 29.7 44.5
169 17.5 10.7 16.1#

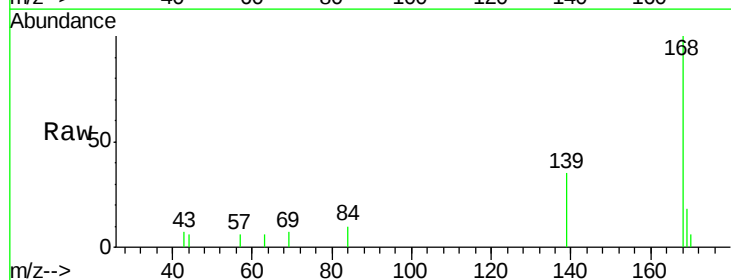


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

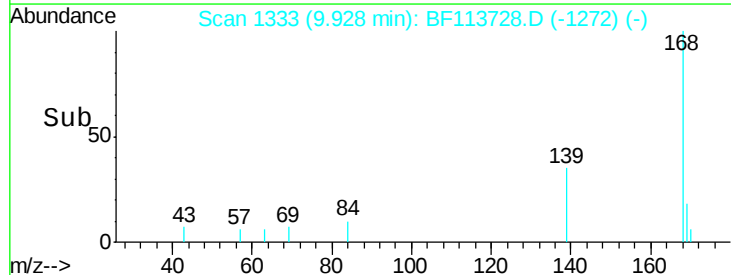
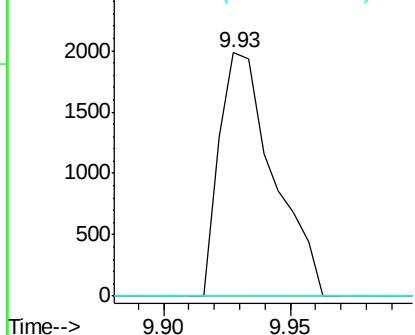


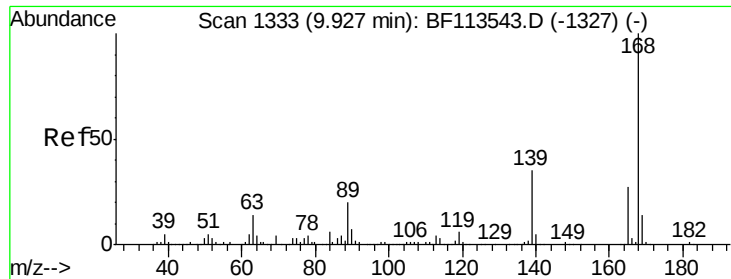
#56
4-Nitrophenol
Concen: 1.144 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.06 min
Lab File: BF113728.D
Acq: 11 Apr 2019 19:00

Tgt Ion:139 Resp: 2945
Ion Ratio Lower Upper
139 100
109 0.0 46.9 86.9#
65 0.0 77.2 117.2#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

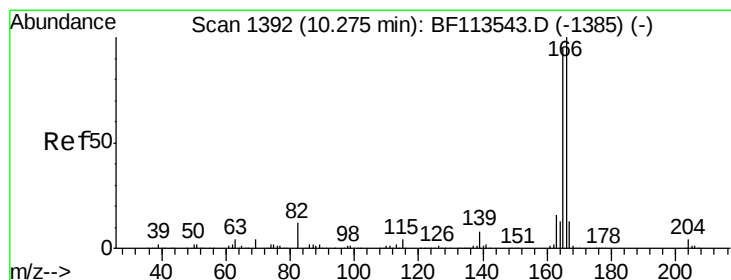
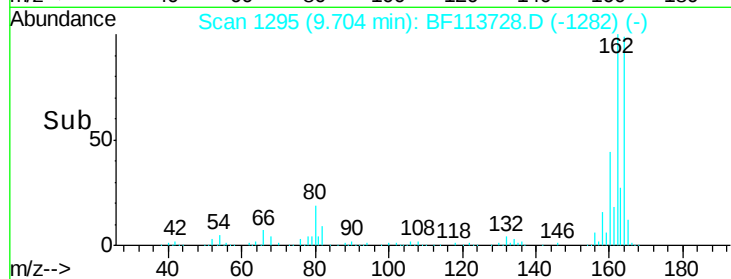
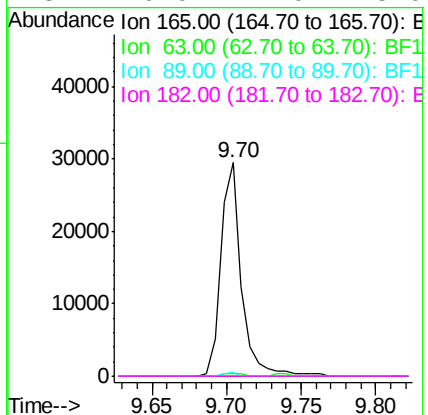
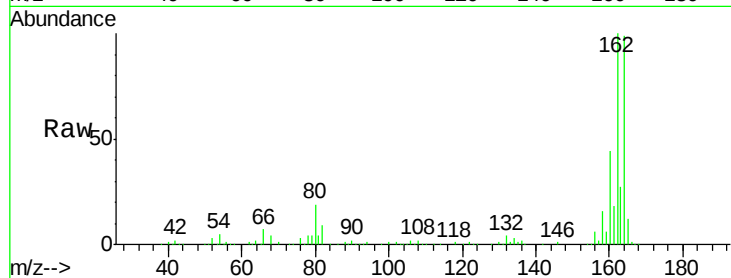




#57
 2,4-Dinitrotoluene
 Concen: 6.461 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.22 min
 Lab File: BF113728.D
 Acq: 11 Apr 2019 19:00

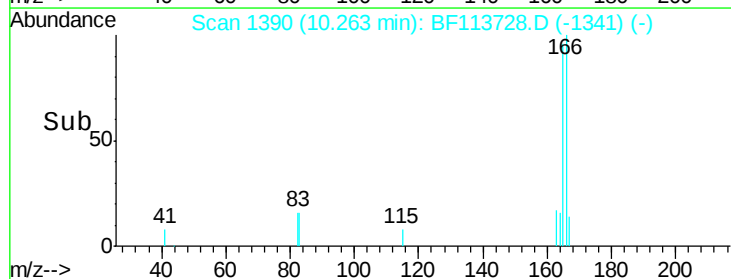
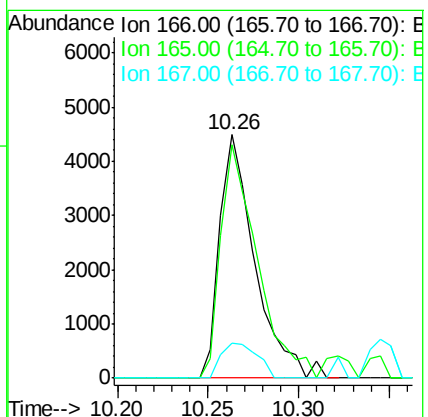
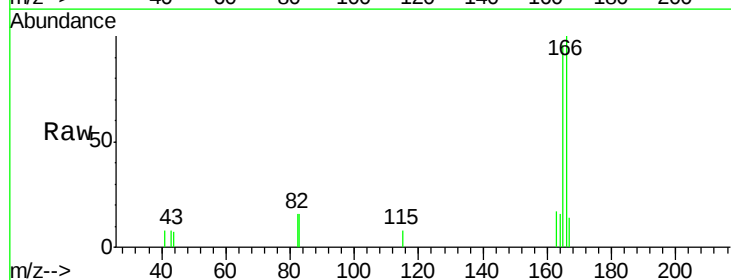
Instrument :
 BNA_F
 ClientSampleId :

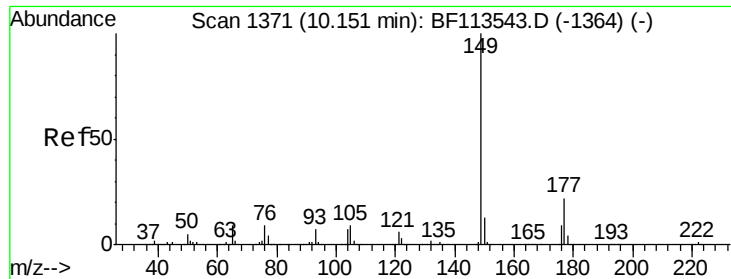
Tot Ion:165 Resp: 28509
 Ion Ratio Lower Upper
 165 100
 63 1.3 37.5 56.3#
 89 1.5 57.4 86.2#
 182 0.0 2.0 3.0#



#58
 Fluorene
 Concen: 0.403 ng
 RT: 10.26 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: BF113728.D
 Acq: 11 Apr 2019 19:00

Tgt Ion:166 Resp: 6109
 Ion Ratio Lower Upper
 166 100
 165 95.6 76.2 114.2
 167 14.5 10.7 16.1





#60

Diethylphthalate

Concen: 0.018 ng

RT: 10.13 min Scan# 1367

Delta R.T. -0.02 min

Lab File: BF113728.D

Acq: 11 Apr 2019 19:00

Instrument :

BNA_F

ClientSampleId :

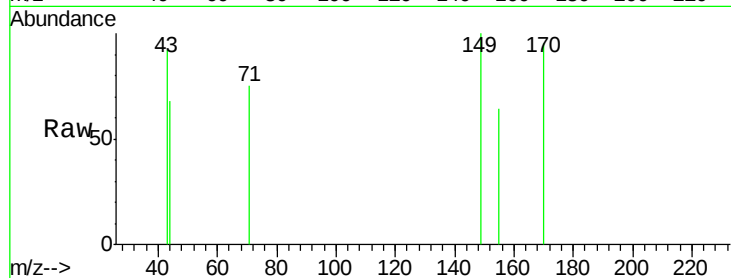
Tot Ion:149 Resp: 285

Ion Ratio Lower Upper

149 100

177 0.0 17.4 26.0#

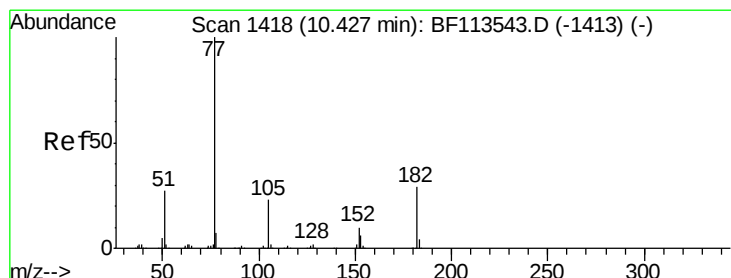
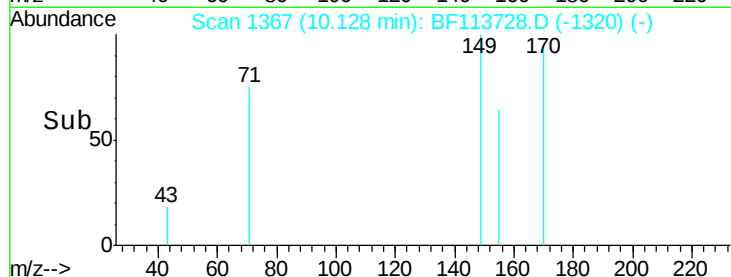
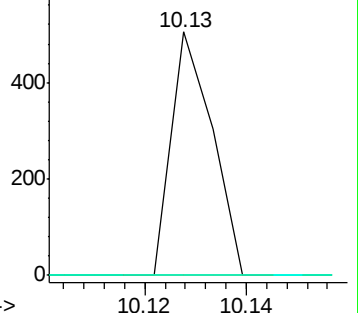
150 0.0 10.0 15.0#



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: 0.063 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.06 min

Lab File: BF113728.D

Acq: 11 Apr 2019 19:00

Tgt Ion: 77 Resp: 952

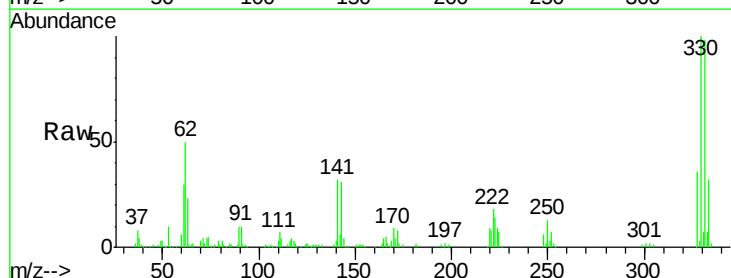
Ion Ratio Lower Upper

77 100

182 163.5 8.7 48.7#

105 70.4 2.9 42.9#

51 89.6 8.8 48.8#

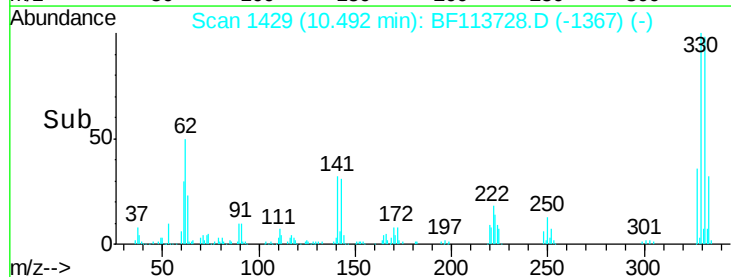
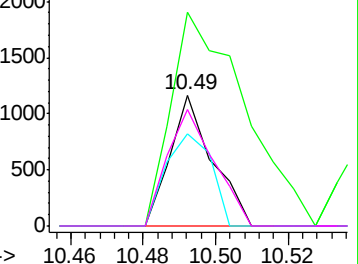


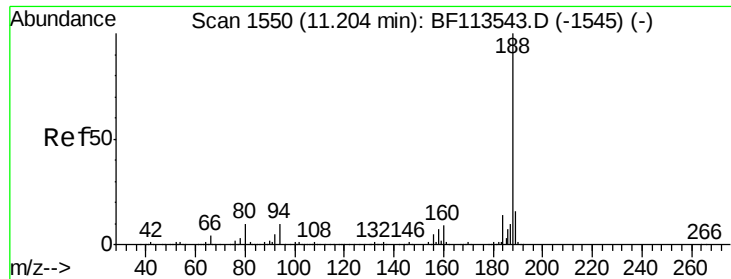
Abundance Ion 77.00 (76.70 to 77.70): BF1

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

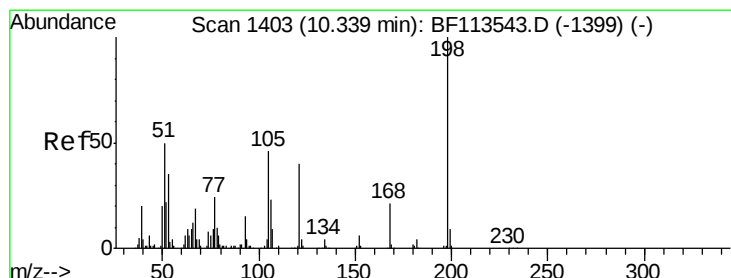
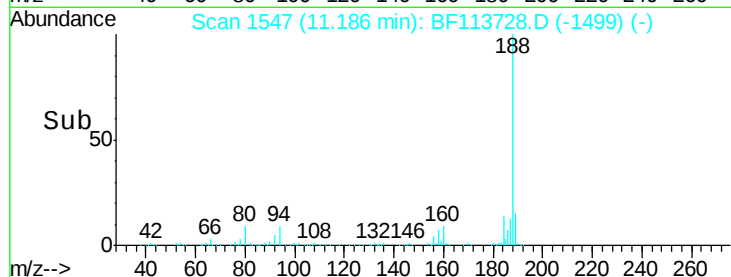
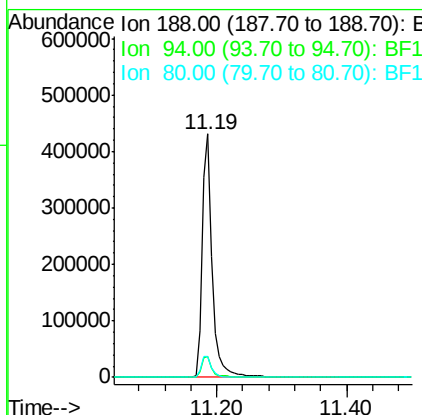
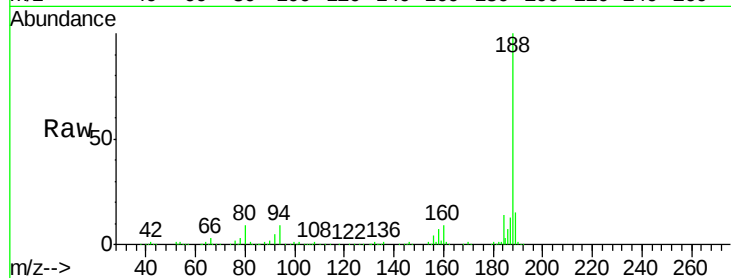




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. -0.02 min
 Lab File: BF113728.D
 Acq: 11 Apr 2019 19:00

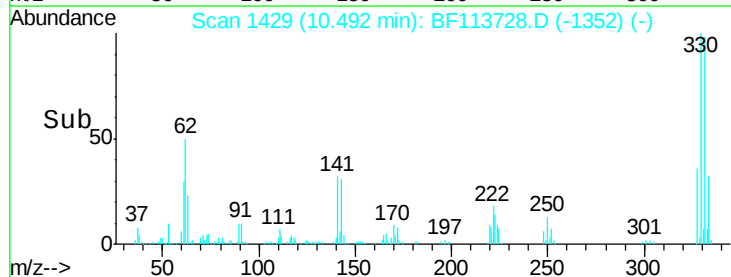
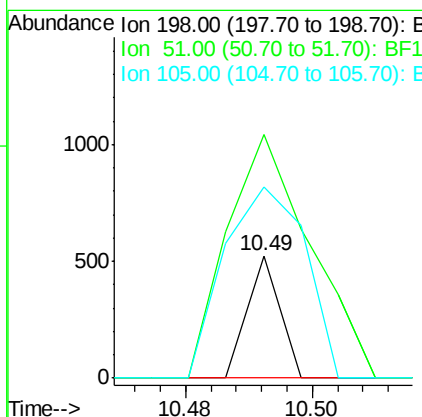
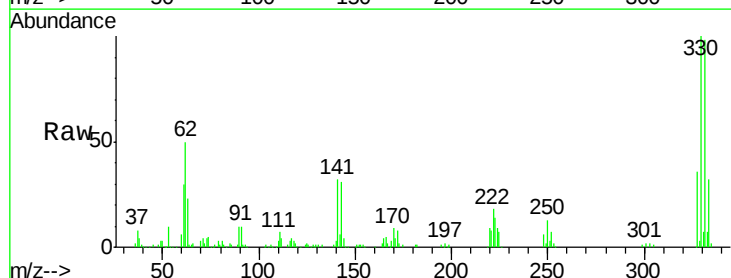
Instrument :
 BNA_F
 ClientSampleID :

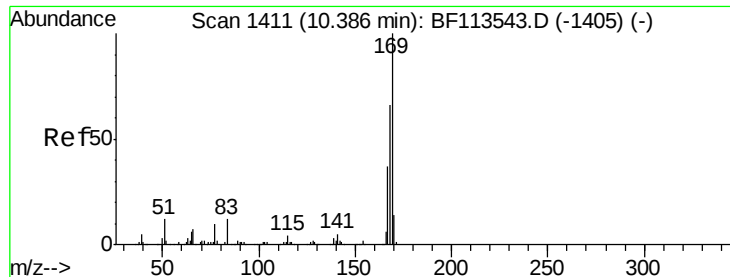
Tot Ion:188 Resp: 455593
 Ion Ratio Lower Upper
 188 100
 94 8.6 7.0 10.6
 80 8.7 7.7 11.5



#65
 4,6-Dinitro-2-methylphenol
 Concen: 0.077 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. 0.15 min
 Lab File: BF113728.D
 Acq: 11 Apr 2019 19:00

Tgt Ion:198 Resp: 185
 Ion Ratio Lower Upper
 198 100
 51 198.7 21.6 61.6#
 105 156.0 20.6 60.6#

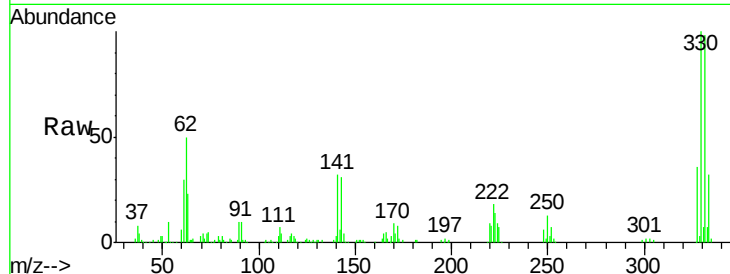




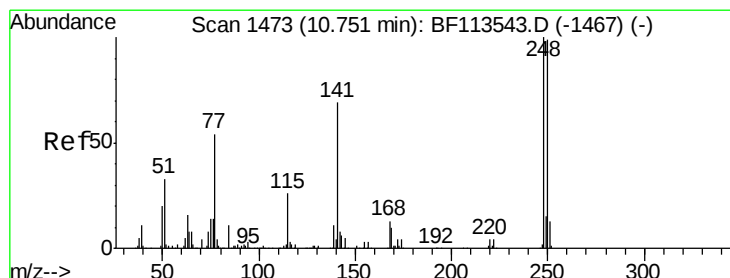
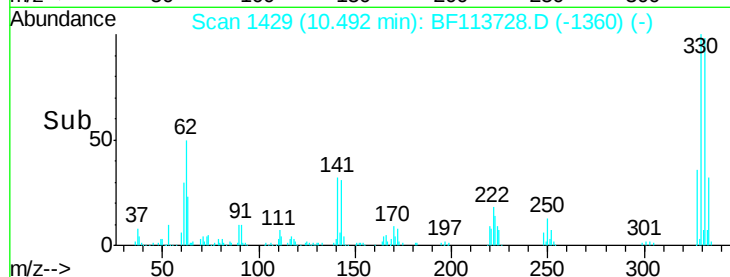
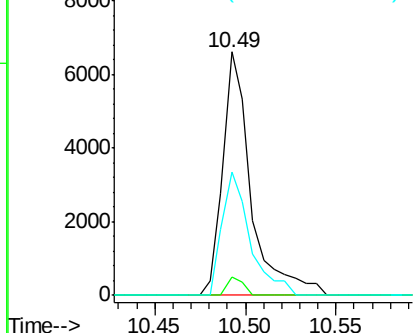
#66
 n-Nitrosodiphenylamine
 Concen: 0.517 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. 0.11 min
 Lab File: BF113728.D
 Acq: 11 Apr 2019 19:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:169 Resp: 7235
 Ion Ratio Lower Upper
 169 100
 168 7.4 53.7 80.5#
 167 58.1 29.5 44.3#

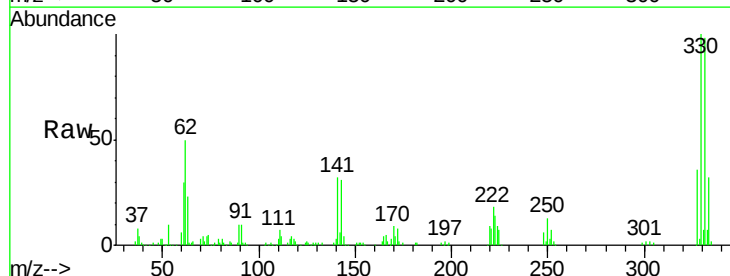


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

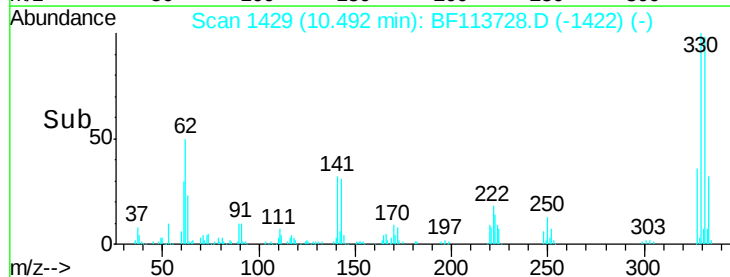
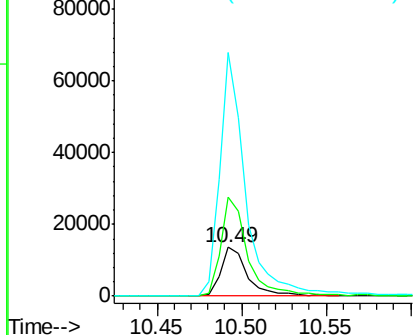


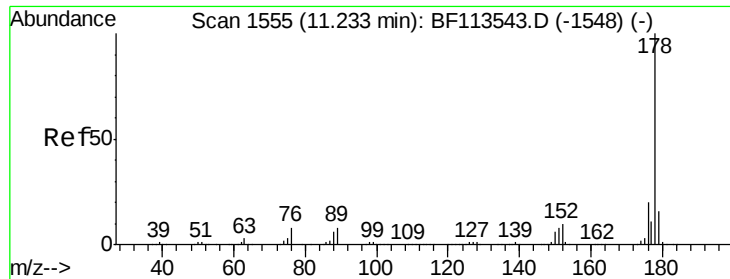
#67
 4-Bromophenyl-phenylether
 Concen: 2.929 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.26 min
 Lab File: BF113728.D
 Acq: 11 Apr 2019 19:00

Tgt Ion:248 Resp: 14967
 Ion Ratio Lower Upper
 248 100
 250 203.0 78.3 117.5#
 141 498.9 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

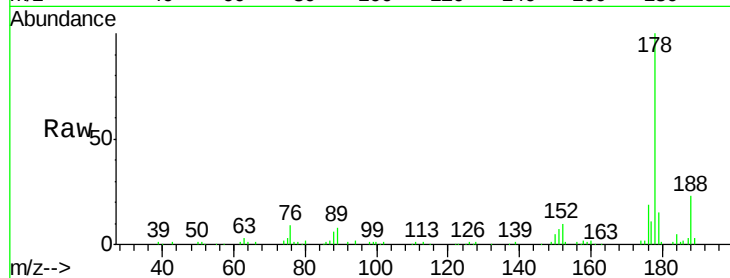




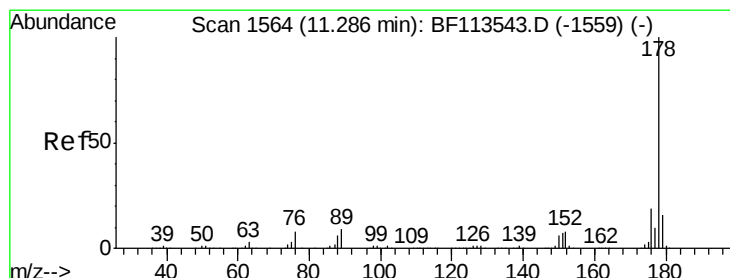
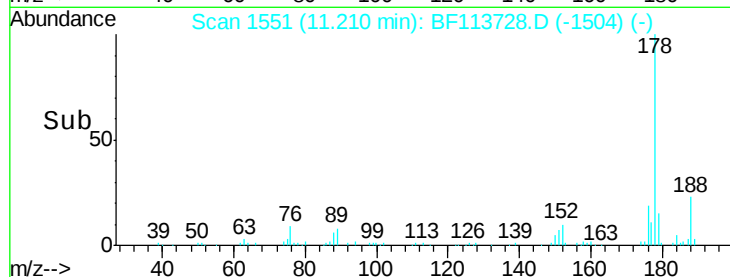
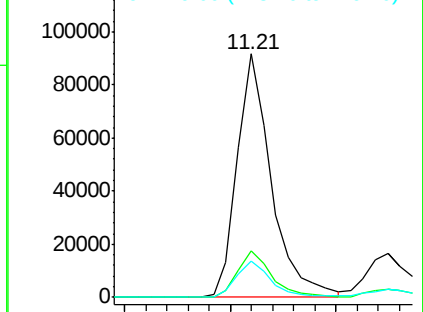
#71
Phenanthrene
Concen: 4.547 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF113728.D
Acq: 11 Apr 2019 19:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 102943
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.2
179 14.7 12.7 19.1

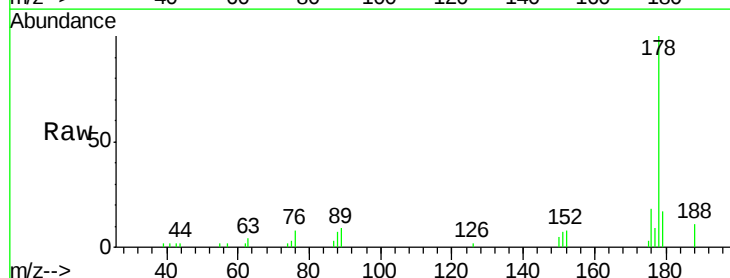


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

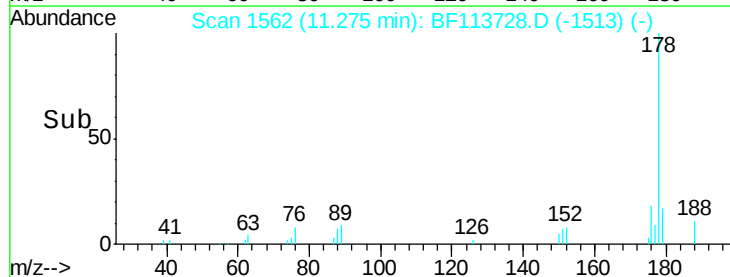
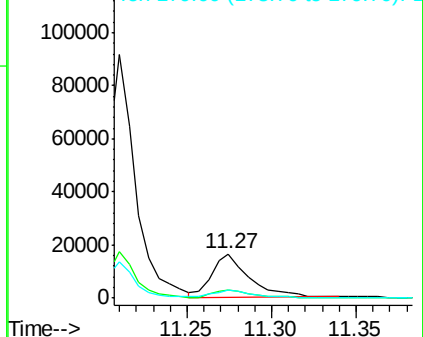


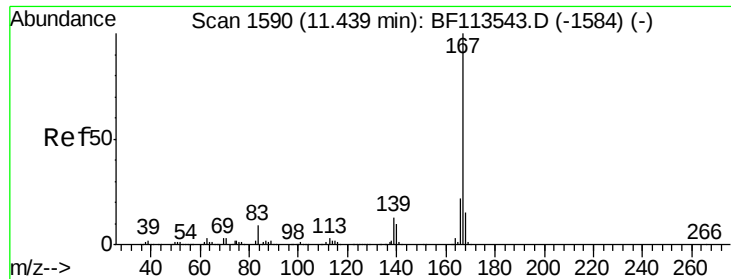
#72
Anthracene
Concen: 1.084 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF113728.D
Acq: 11 Apr 2019 19:00

Tgt Ion:178 Resp: 24979
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.2
179 17.3 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





#73

Carbazole

Concen: 0.209 ng

RT: 11.46 min Scan# 1593

Delta R.T. 0.02 min

Lab File: BF113728.D

Acq: 11 Apr 2019 19:00

Instrument :

BNA_F

ClientSampleId :

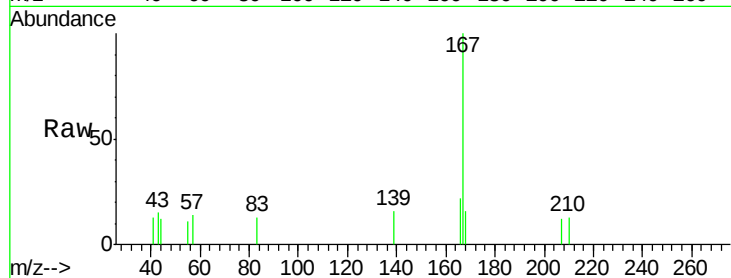
Tot Ion:167 Resp: 4497

Ion Ratio Lower Upper

167 100

166 22.0 17.4 26.0

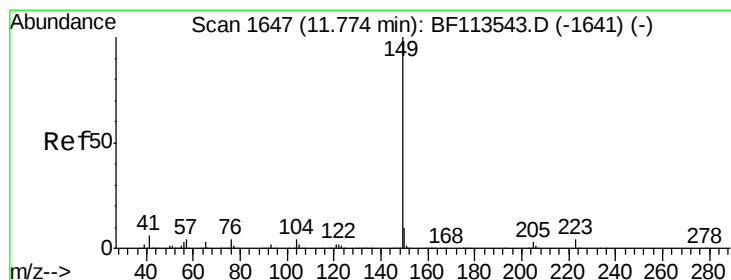
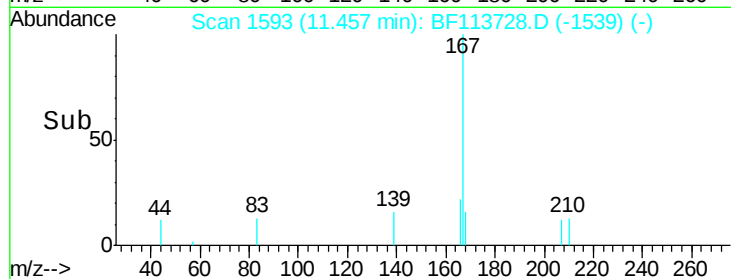
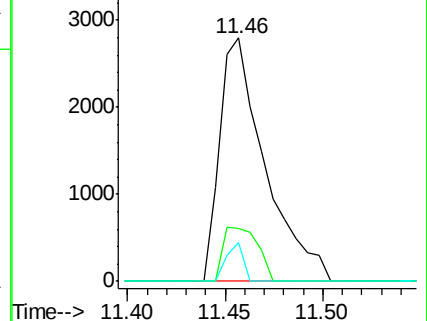
139 16.2 10.4 15.6#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 0.046 ng

RT: 11.75 min Scan# 1643

Delta R.T. -0.02 min

Lab File: BF113728.D

Acq: 11 Apr 2019 19:00

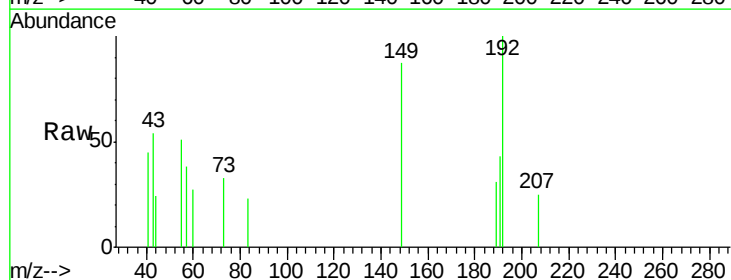
Tgt Ion:149 Resp: 1190

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

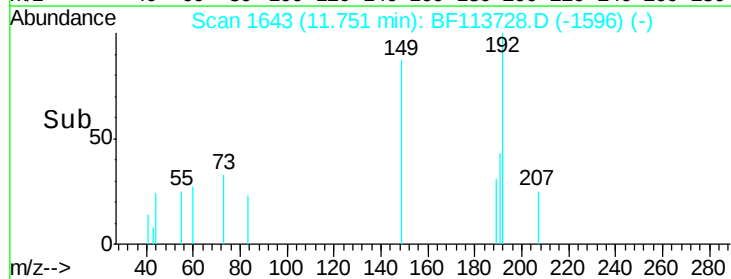
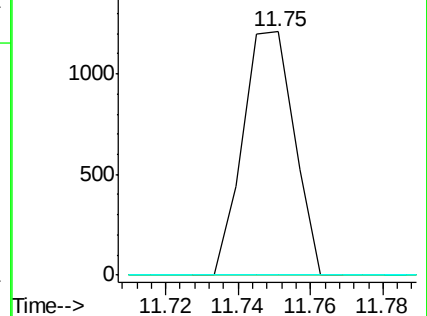
104 0.0 3.7 5.5#

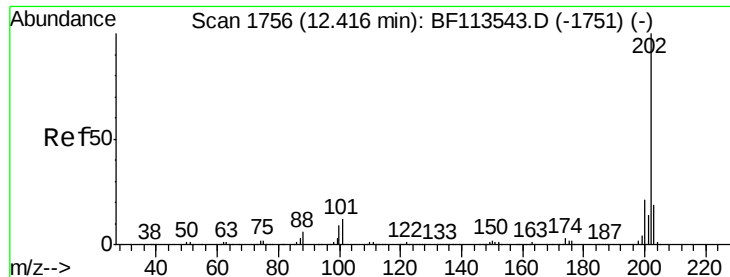


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 5.678 ng

RT: 12.40 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF113728.D

Acq: 11 Apr 2019 19:00

Instrument :

BNA_F

ClientSampleId :

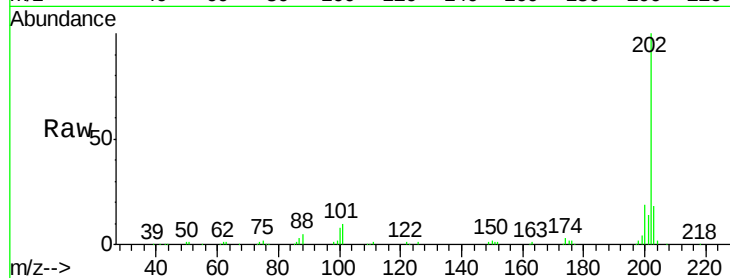
Tot Ion:202 Resp: 137731

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.4

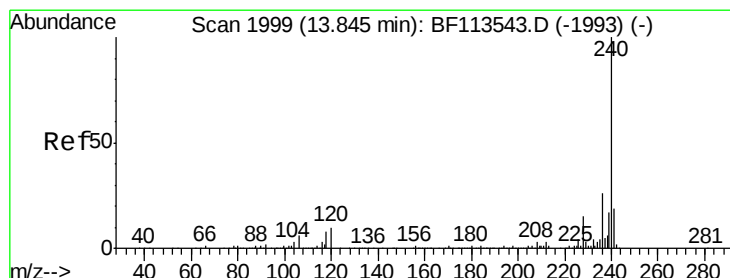
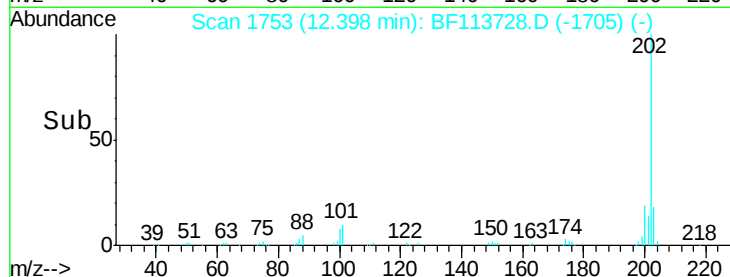
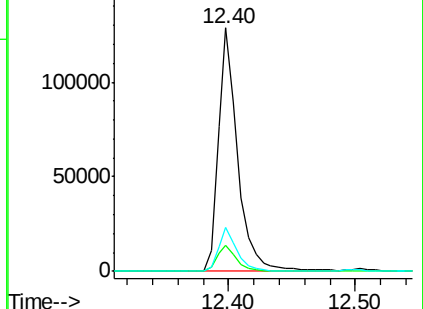
203 17.8 0.0 38.0



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: BF113728.D

Acq: 11 Apr 2019 19:00

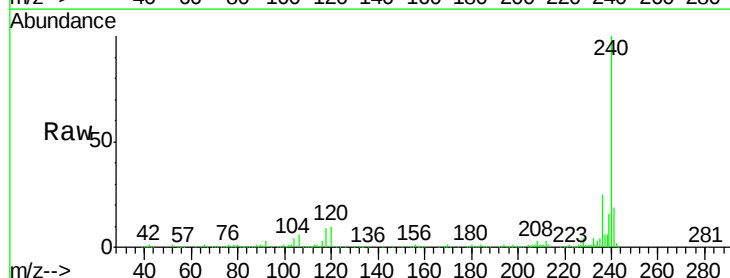
Tgt Ion:240 Resp: 341667

Ion Ratio Lower Upper

240 100

120 9.6 8.8 13.2

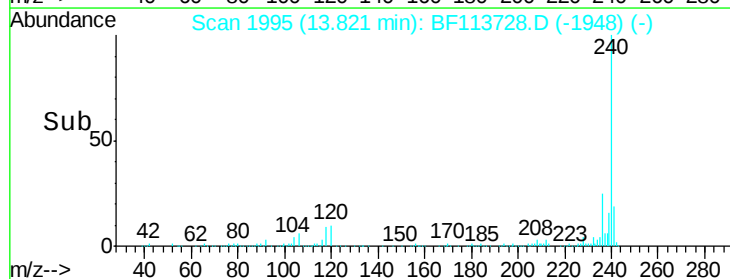
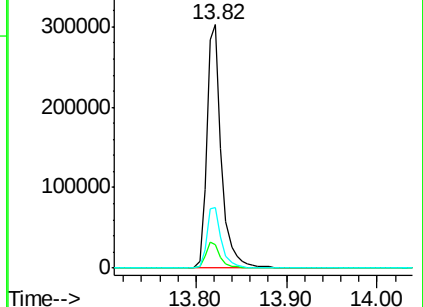
236 25.1 20.9 31.3

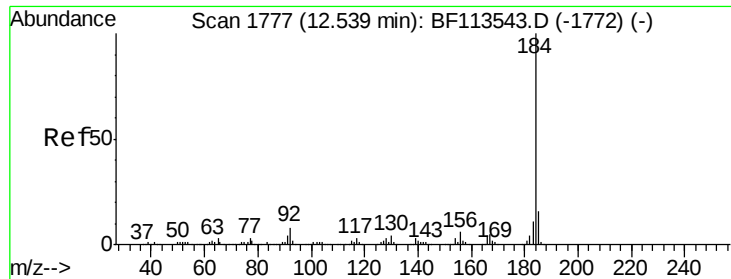


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 1.103 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.22 min

Lab File: BF113728.D

Acq: 11 Apr 2019 19:00

Instrument :

BNA_F

ClientSampleId :

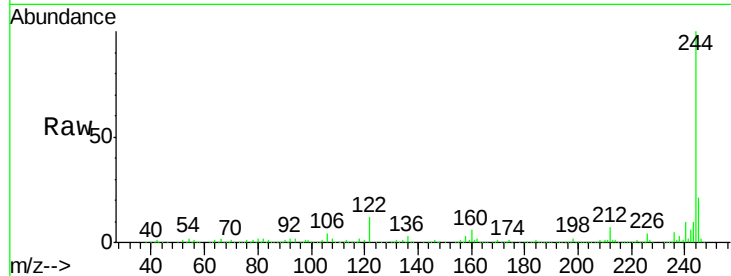
Tot Ion:184 Resp: 14018

Ion Ratio Lower Upper

184 100

185 15.3 13.0 19.6

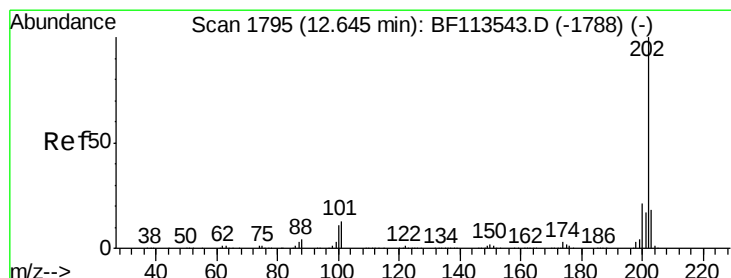
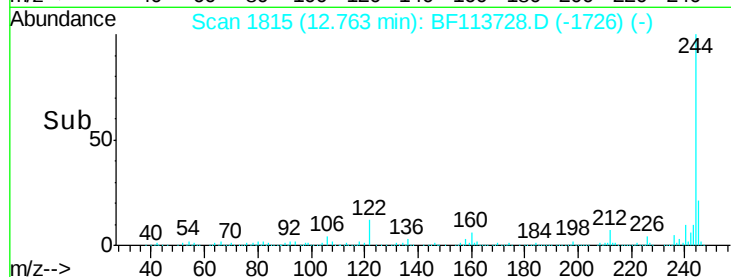
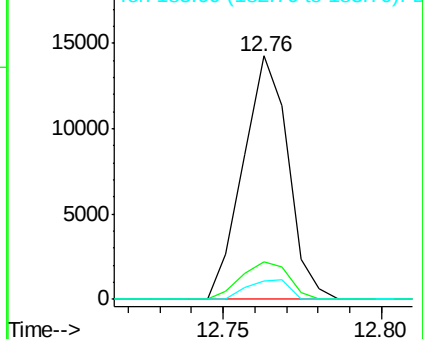
183 7.7 9.0 13.4#



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: 4.646 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.02 min

Lab File: BF113728.D

Acq: 11 Apr 2019 19:00

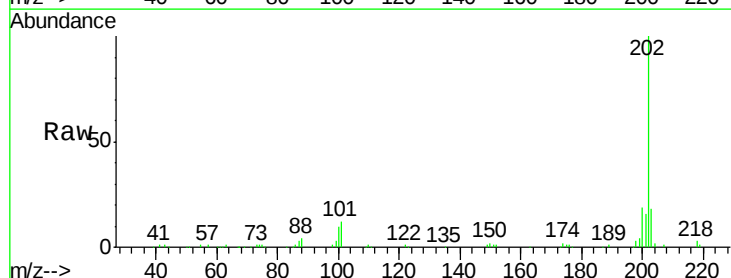
Tgt Ion:202 Resp: 120789

Ion Ratio Lower Upper

202 100

200 18.5 16.8 25.2

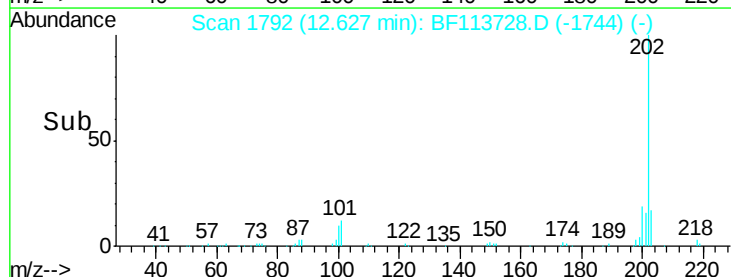
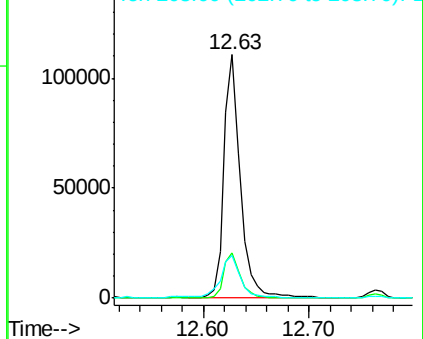
203 17.5 14.4 21.6

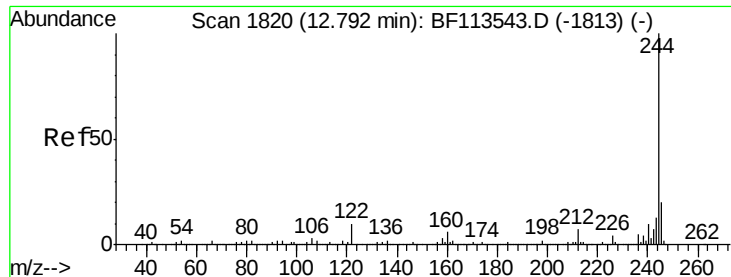


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 72.556 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.03 min

Lab File: BF113728.D

Acq: 11 Apr 2019 19:00

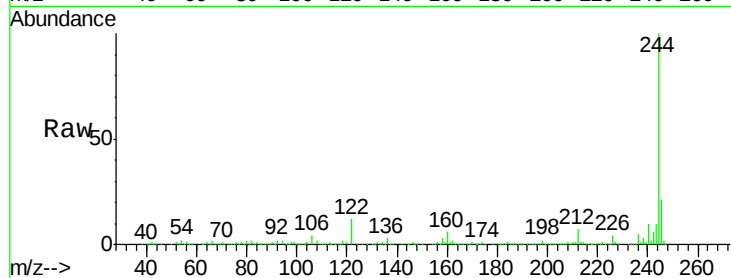
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 1217577

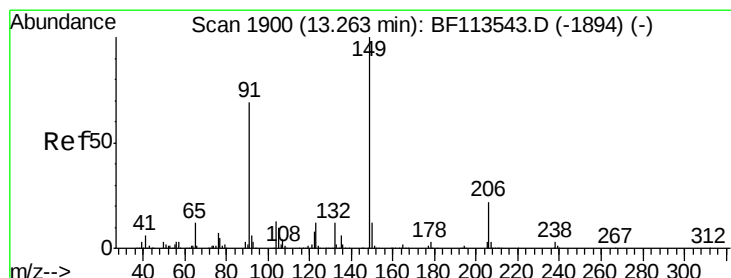
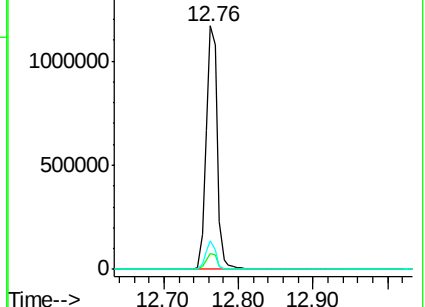
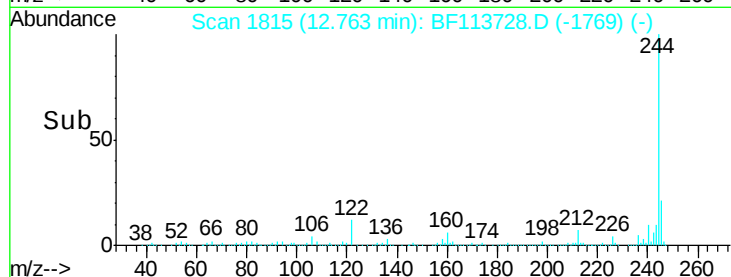
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.5	8.3
122	11.7	8.6	13.0



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



#80

Butylbenzylphthalate

Concen: 0.011 ng

RT: 13.48 min Scan# 1937

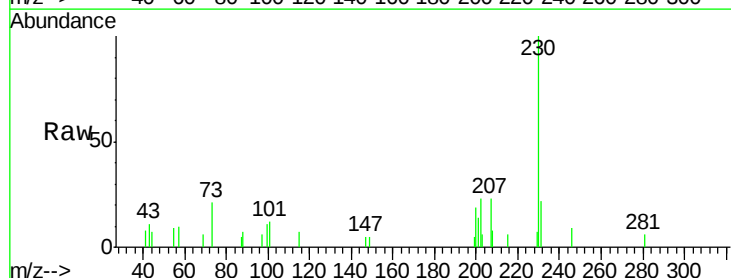
Delta R.T. 0.22 min

Lab File: BF113728.D

Acq: 11 Apr 2019 19:00

Tgt Ion:149 Resp: 114

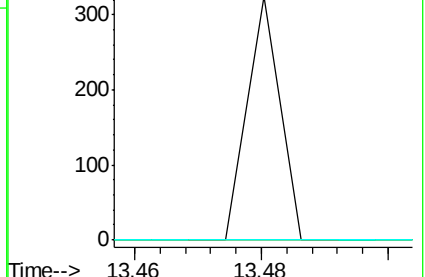
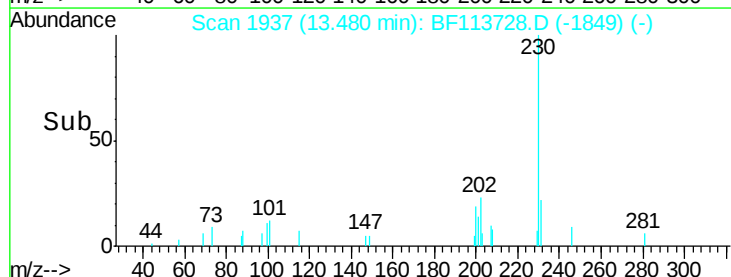
Ion	Ratio	Lower	Upper
149	100		
91	0.0	55.2	82.8#
206	0.0	16.1	24.1#

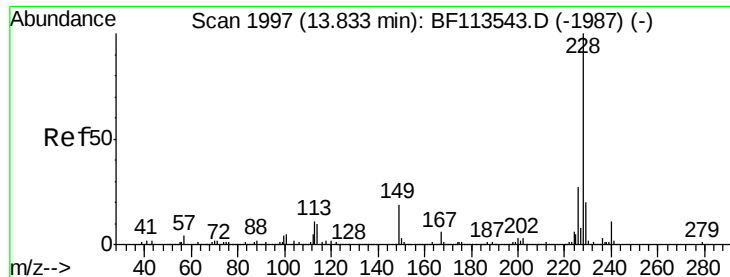


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 2.789 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF113728.D

Acq: 11 Apr 2019 19:00

Instrument :

BNA_F

ClientSampleId :

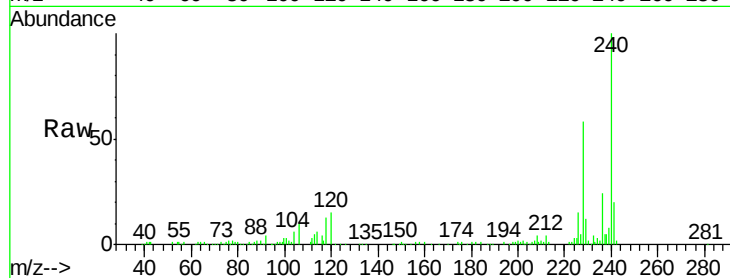
Tot Ion:228 Resp: 54974

Ion Ratio Lower Upper

228 100

226 26.1 21.8 32.8

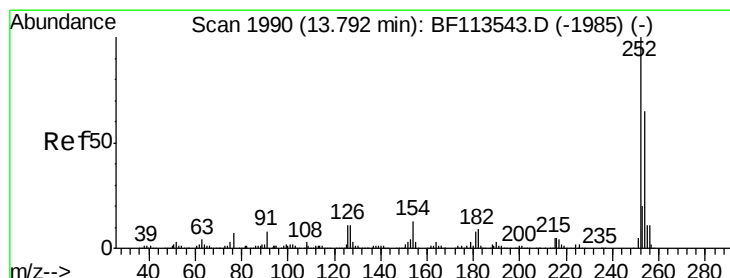
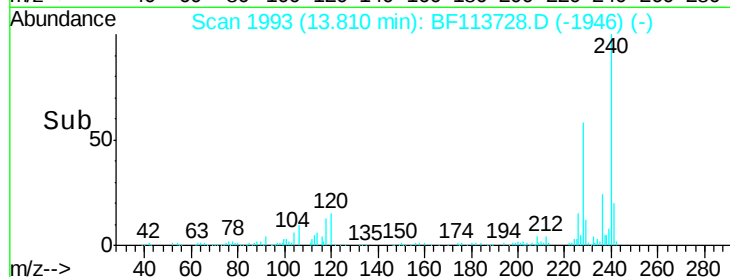
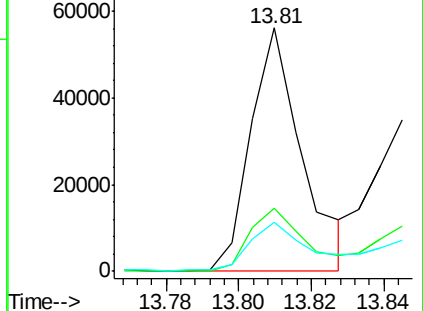
229 20.4 16.2 24.4



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



#82

3,3'-Dichlorobenzidine

Concen: 0.015 ng

RT: 13.85 min Scan# 2000

Delta R.T. 0.06 min

Lab File: BF113728.D

Acq: 11 Apr 2019 19:00

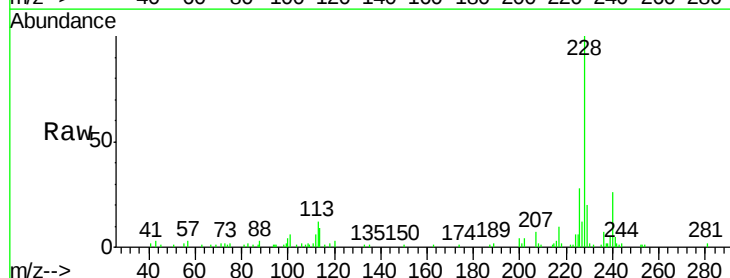
Tgt Ion:252 Resp: 113

Ion Ratio Lower Upper

252 100

254 140.1 52.2 78.2#

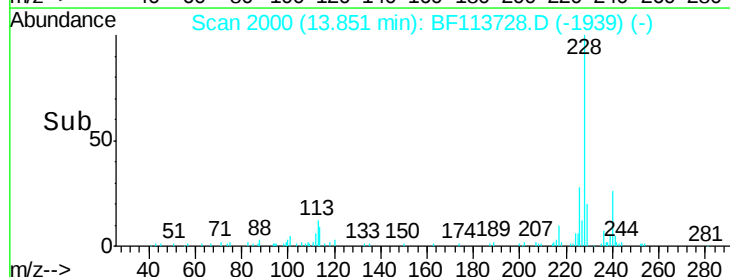
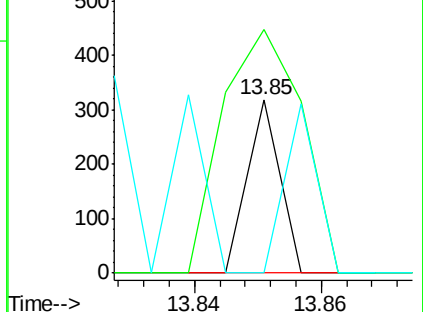
126 0.0 8.5 12.7#

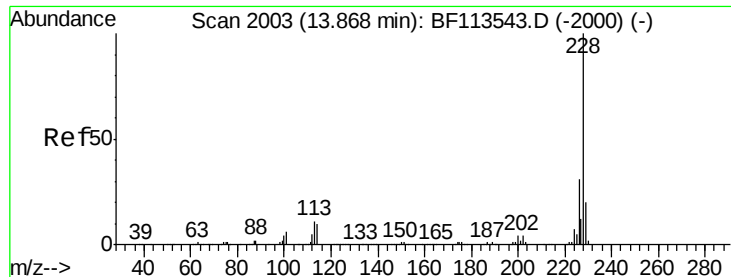


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 2.419 ng

RT: 13.85 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BF113728.D

Acq: 11 Apr 2019 19:00

Instrument :

BNA_F

ClientSampleId :

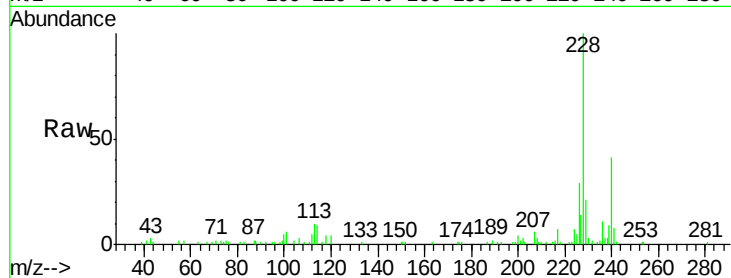
Tot Ion:228 Resp: 48333

Ion Ratio Lower Upper

228 100

226 29.5 24.3 36.5

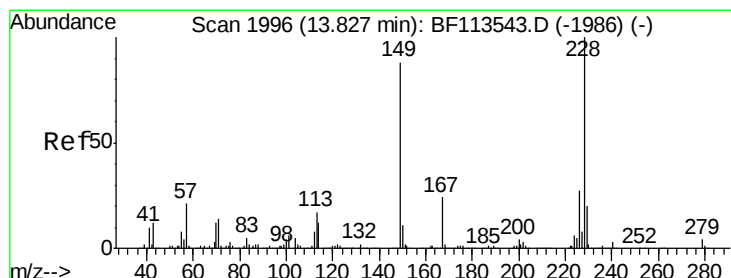
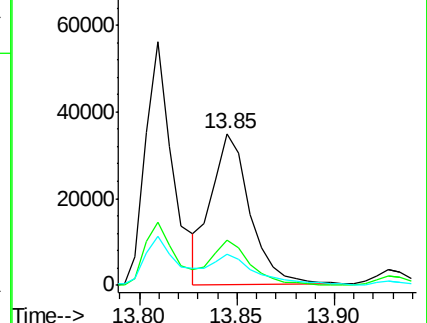
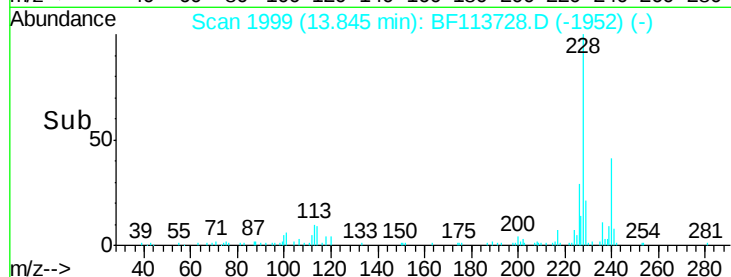
229 20.8 16.3 24.5



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.120 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.04 min

Lab File: BF113728.D

Acq: 11 Apr 2019 19:00

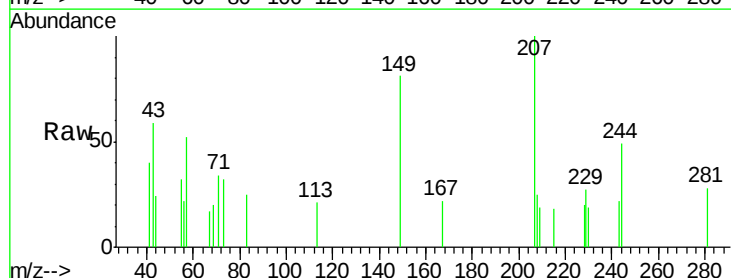
Tgt Ion:149 Resp: 1541

Ion Ratio Lower Upper

149 100

167 27.0 21.8 32.8

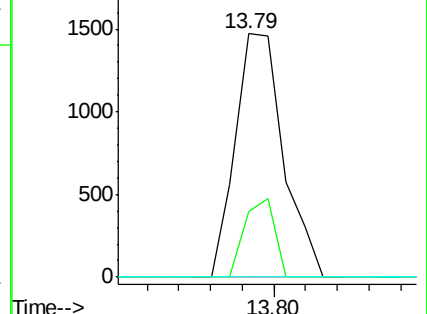
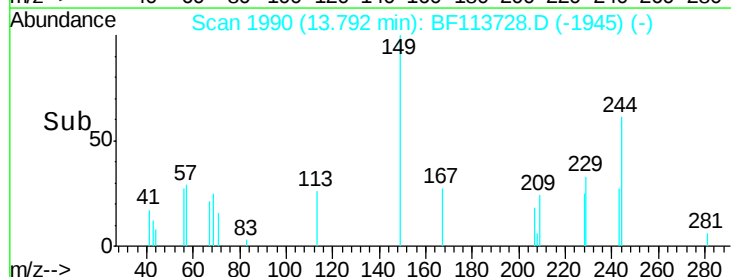
279 0.0 2.9 4.3#

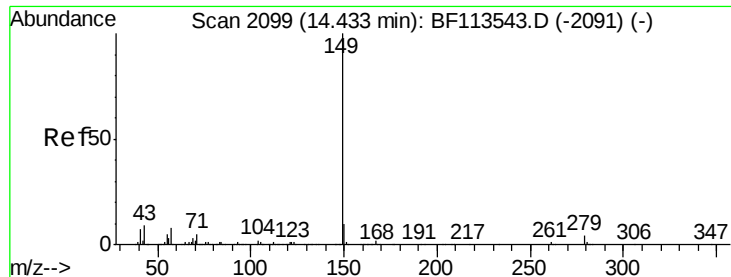


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

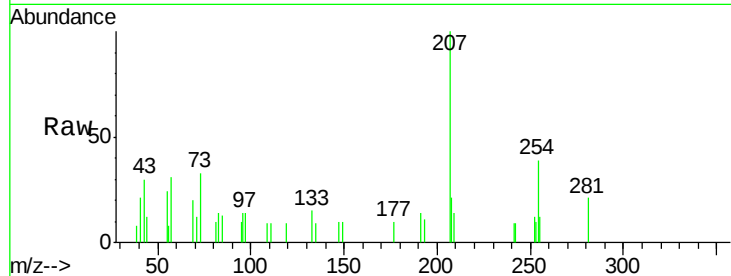




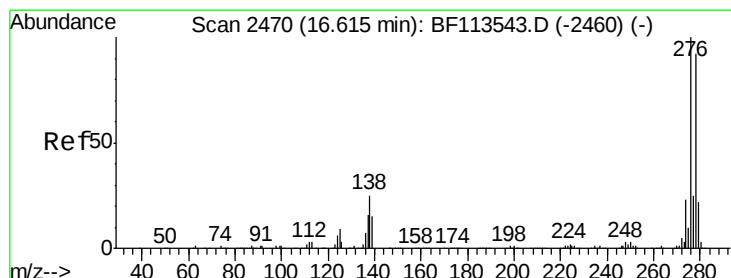
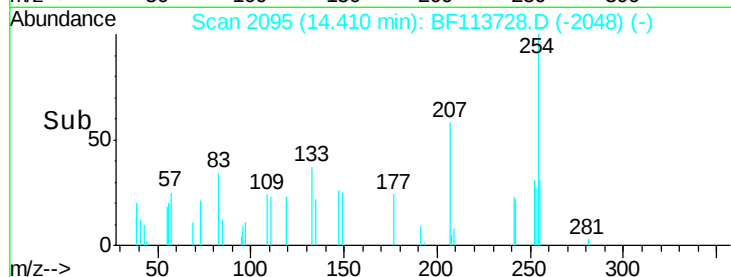
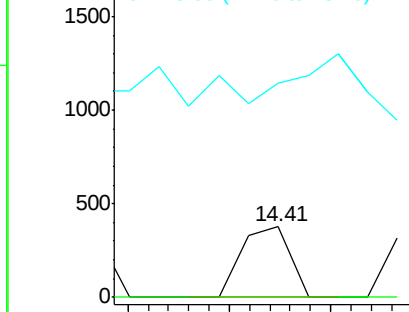
#85
Di-n-octyl phthalate
Concen: 0.012 ng
RT: 14.41 min Scan# 2095
Delta R.T. -0.02 min
Lab File: BF113728.D
Acq: 11 Apr 2019 19:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 251
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 0.0 7.7 11.5#

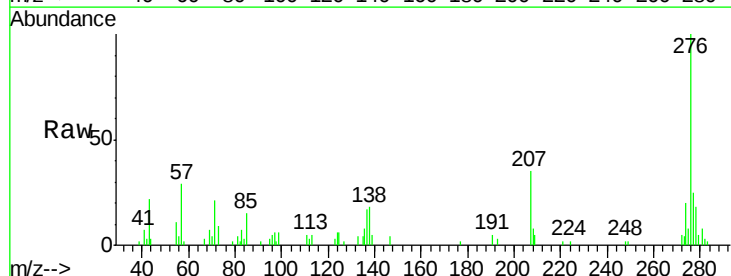


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

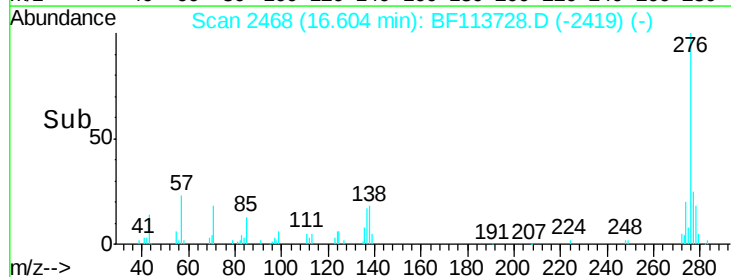
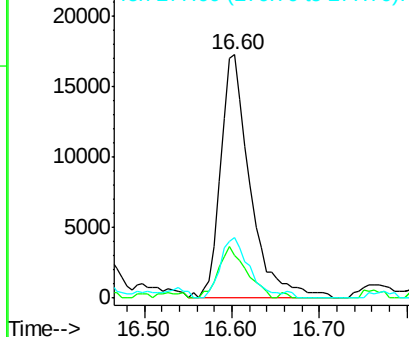


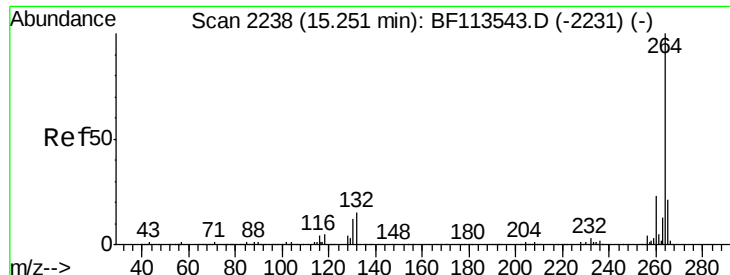
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.182 ng
RT: 16.60 min Scan# 2468
Delta R.T. -0.01 min
Lab File: BF113728.D
Acq: 11 Apr 2019 19:00

Tgt Ion:276 Resp: 40255
Ion Ratio Lower Upper
276 100
138 19.9 18.1 27.1
277 24.1 20.2 30.4



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



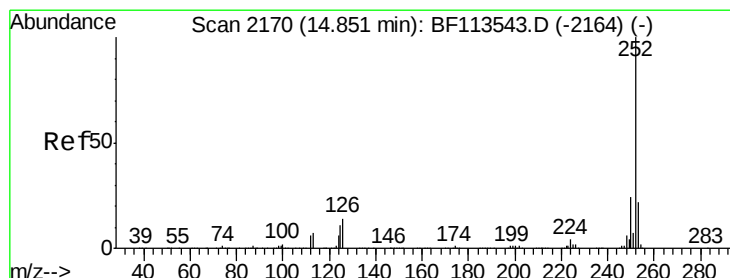
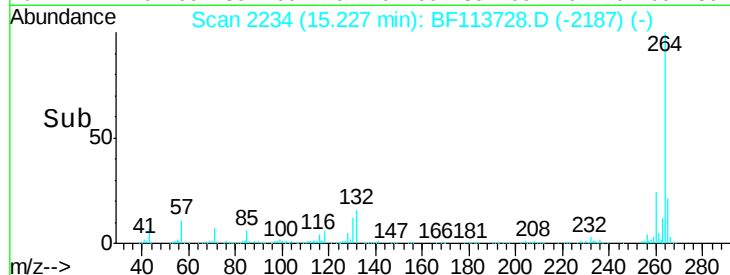
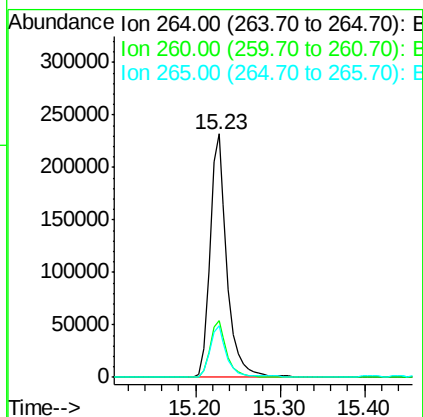
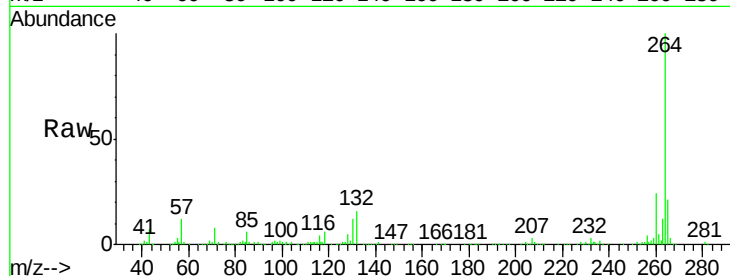


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.02 min
Lab File: BF113728.D
Acq: 11 Apr 2019 19:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 327079

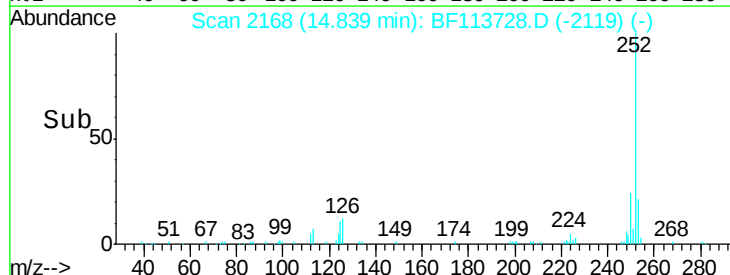
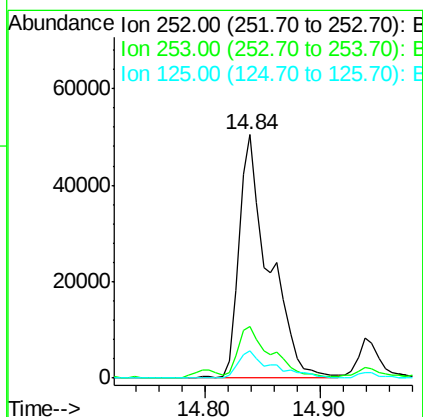
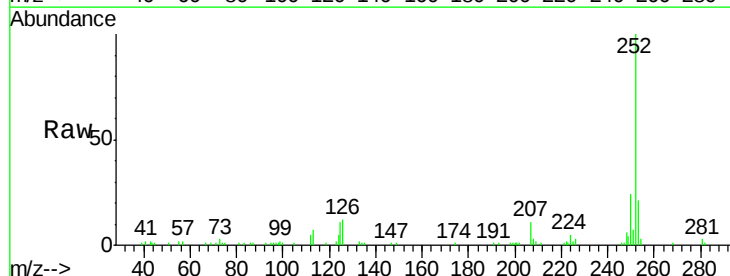
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.1	28.7
265	21.0	17.1	25.7

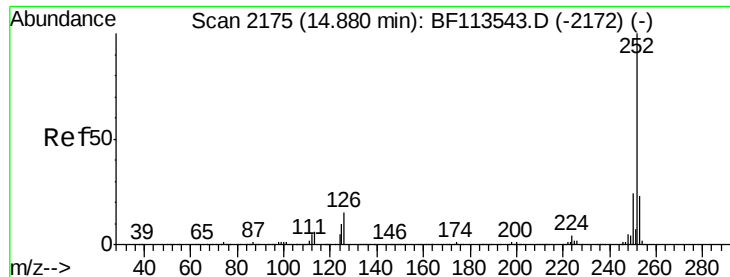


#88
Benzo(b)fluoranthene
Concen: 4.534 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF113728.D
Acq: 11 Apr 2019 19:00

Tgt Ion:252 Resp: 90783

Ion	Ratio	Lower	Upper
252	100		
253	21.0	18.0	27.0
125	11.2	7.6	11.4

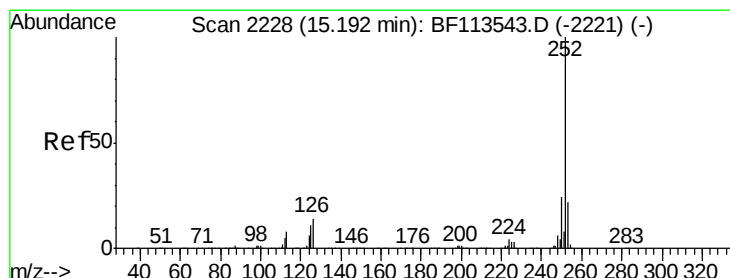
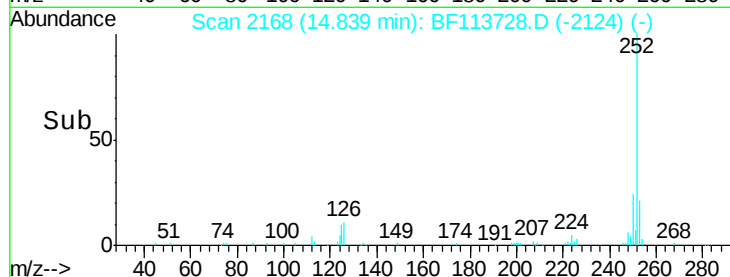
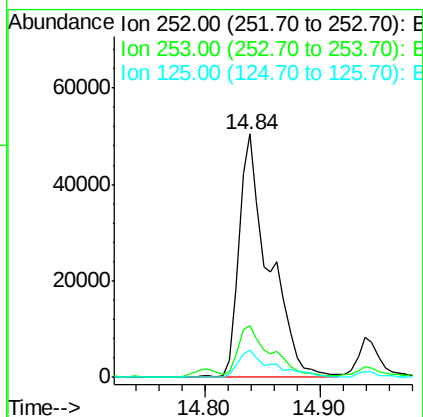
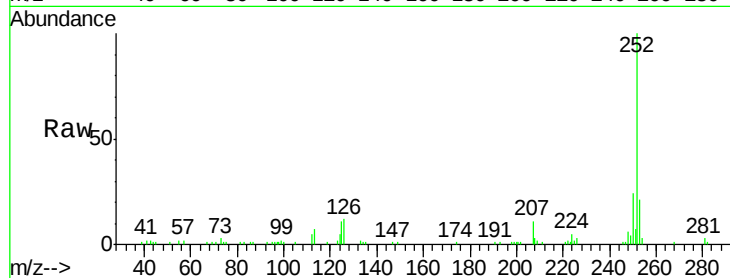




#89
Benzo(k)fluoranthene
Concen: 5.052 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.04 min
Lab File: BF113728.D
Acq: 11 Apr 2019 19:00

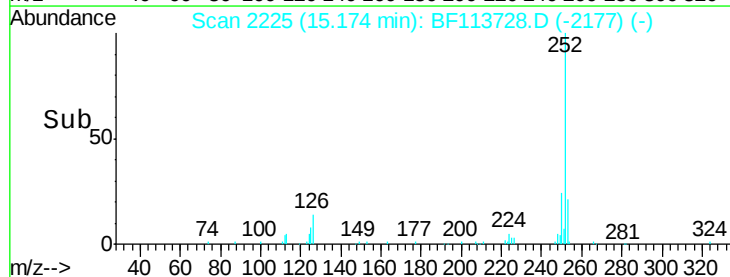
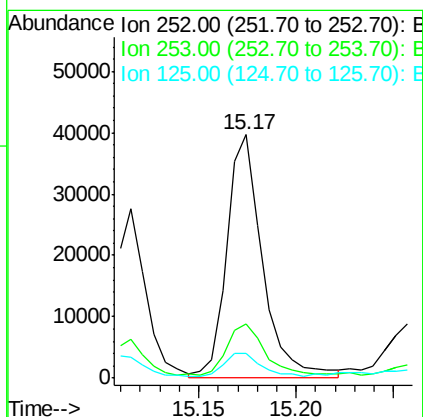
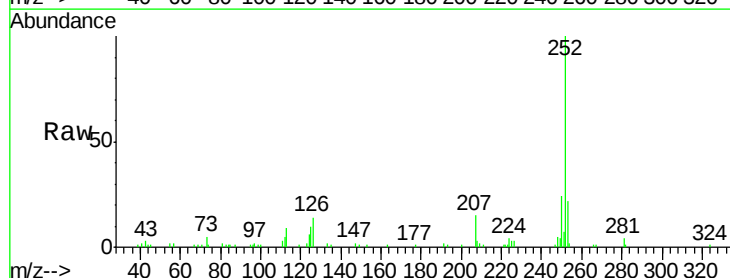
Instrument :
BNA_F
ClientSampleId :

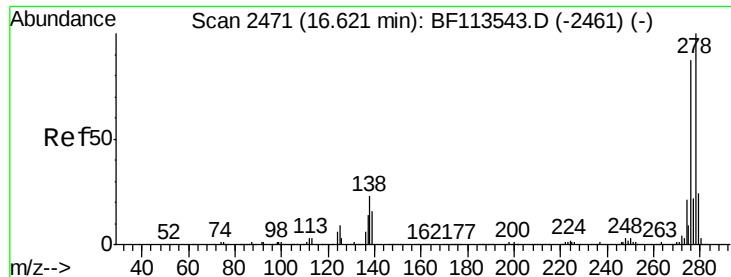
Tot Ion:252 Resp: 90783
Ion Ratio Lower Upper
252 100
253 21.0 17.7 26.5
125 11.2 7.3 10.9#



#90
Benzo(a)pyrene
Concen: 2.840 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.02 min
Lab File: BF113728.D
Acq: 11 Apr 2019 19:00

Tgt Ion:252 Resp: 50521
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 10.1 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 0.462 ng

RT: 16.76 min Scan# 2495

Delta R.T. 0.14 min

Lab File: BF113728.D

Acq: 11 Apr 2019 19:00

Instrument :

BNA_F

ClientSampleId :

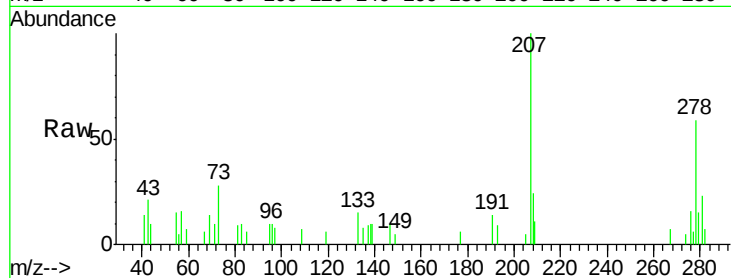
Tot Ion:278 Resp: 7683

Ion Ratio Lower Upper

278 100

139 17.7 12.0 18.0

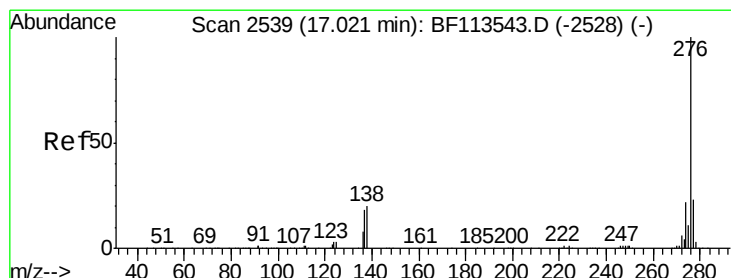
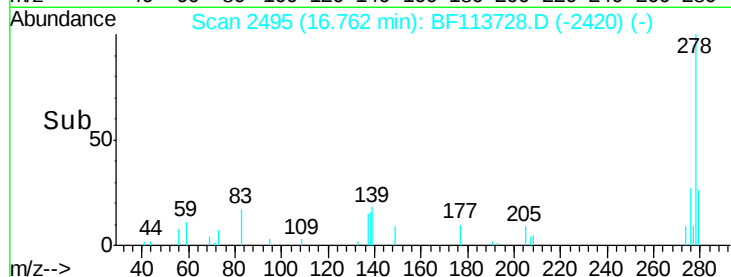
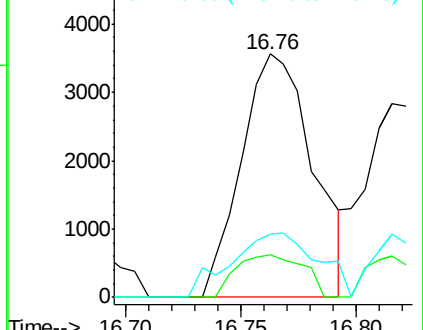
279 25.8 19.0 28.6



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



#92

Benzo(g,h,i)perylene

Concen: 2.294 ng

RT: 17.01 min Scan# 2537

Delta R.T. -0.01 min

Lab File: BF113728.D

Acq: 11 Apr 2019 19:00

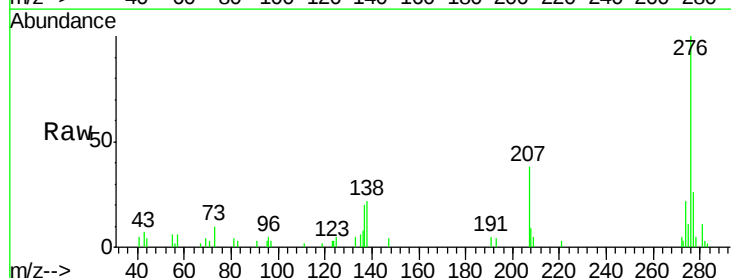
Tgt Ion:276 Resp: 38957

Ion Ratio Lower Upper

276 100

277 25.5 18.8 28.2

138 21.7 15.6 23.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

