

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
 Data File : BF113964.D
 Acq On : 24 Apr 2019 16:29
 Operator : JU/SJ
 Sample : K2487-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 25 01:24:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	124432	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	459197	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	230521	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	440881	20.00	ng	0.00
76) Chrysene-d12	14.05	240	332546	20.00	ng	-0.02
87) Perylene-d12	15.53	264	395382	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	500699	68.82	ng	0.00
7) Phenol-d6	6.52	99	429933	47.10	ng	0.00
23) Nitrobenzene-d5	7.45	82	737514	99.17	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	358462	127.65	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1436489	97.46	ng	0.00
79) Terphenyl-d14	13.00	244	1589165	97.97	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.70	88	2859	0.834	ng	95
6) Aniline	6.62	93	1220	0.097	ng	# 53
9) Benzaldehyde	6.66	77	18628	Below Cal		# 78
10) Phenol	6.53	94	608	0.056	ng	# 1
11) bis(2-Chloroethyl)ether	6.62	93	1220	0.149	ng	# 86
12) 1,3-Dichlorobenzene	7.07	146	573	0.061	ng	# 68
13) 1,4-Dichlorobenzene	7.07	146	573	0.061	ng	# 87
14) 1,2-Dichlorobenzene	7.07	146	573	0.066	ng	# 89
15) Benzyl Alcohol	7.05	79	11916	1.938	ng	# 49
19) n-Nitroso-di-n-propylamine	7.45	70	99195	16.782	ng	# 78
22) Acetophenone	7.43	105	958	0.094	ng	# 48
24) Nitrobenzene	7.45	77	2105	0.256	ng	# 36
25) Isophorone	7.45	82	737507	48.464	ng	# 65
27) 2,4-Dimethylphenol	7.88	122	137	0.022	ng	# 4
28) bis(2-Chloroethoxy)methane	7.77	93	116	0.012	ng	# 50
29) 2,4-Dichlorophenol	8.24	162	283	0.041	ng	# 26
31) Naphthalene	8.20	128	508	0.023	ng	# 1
32) Benzoic acid	7.88	122	137	0.033	ng	95
37) 2-Methylnaphthalene	9.10	142	108	0.007	ng	# 1
38) 1-Methylnaphthalene	9.10	142	108	0.008	ng	# 1
46) 1,1'-Biphenyl	9.35	154	2775	0.158	ng	96
47) 2-Chloronaphthalene	9.63	162	106	0.007	ng	# 1
48) 2-Nitroaniline	9.64	65	252	0.067	ng	# 1
50) Dimethylphthalate	9.64	163	39256	2.355	ng	98
51) 2,6-Dinitrotoluene	9.93	165	30399	8.499	ng	# 33
52) Acenaphthene	9.93	154	876	0.066	ng	# 6
57) 2,4-Dinitrotoluene	9.93	165	30394	6.732	ng	# 29
58) Fluorene	10.72	166	14345	0.960	ng	# 89
60) Diethylphthalate	10.34	149	573	0.036	ng	# 57
63) Azobenzene	10.63	77	524	0.034	ng	# 30
65) 4,6-Dinitro-2-methylphenol	10.72	198	679	7.593	ng	# 1
66) n-Nitrosodiphenylamine	10.72	169	9650	0.729	ng	# 44
67) 4-Bromophenyl-phenylether	10.72	248	23014	4.321	ng	# 1
71) Phenanthrene	11.43	178	357	0.016	ng	# 59

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

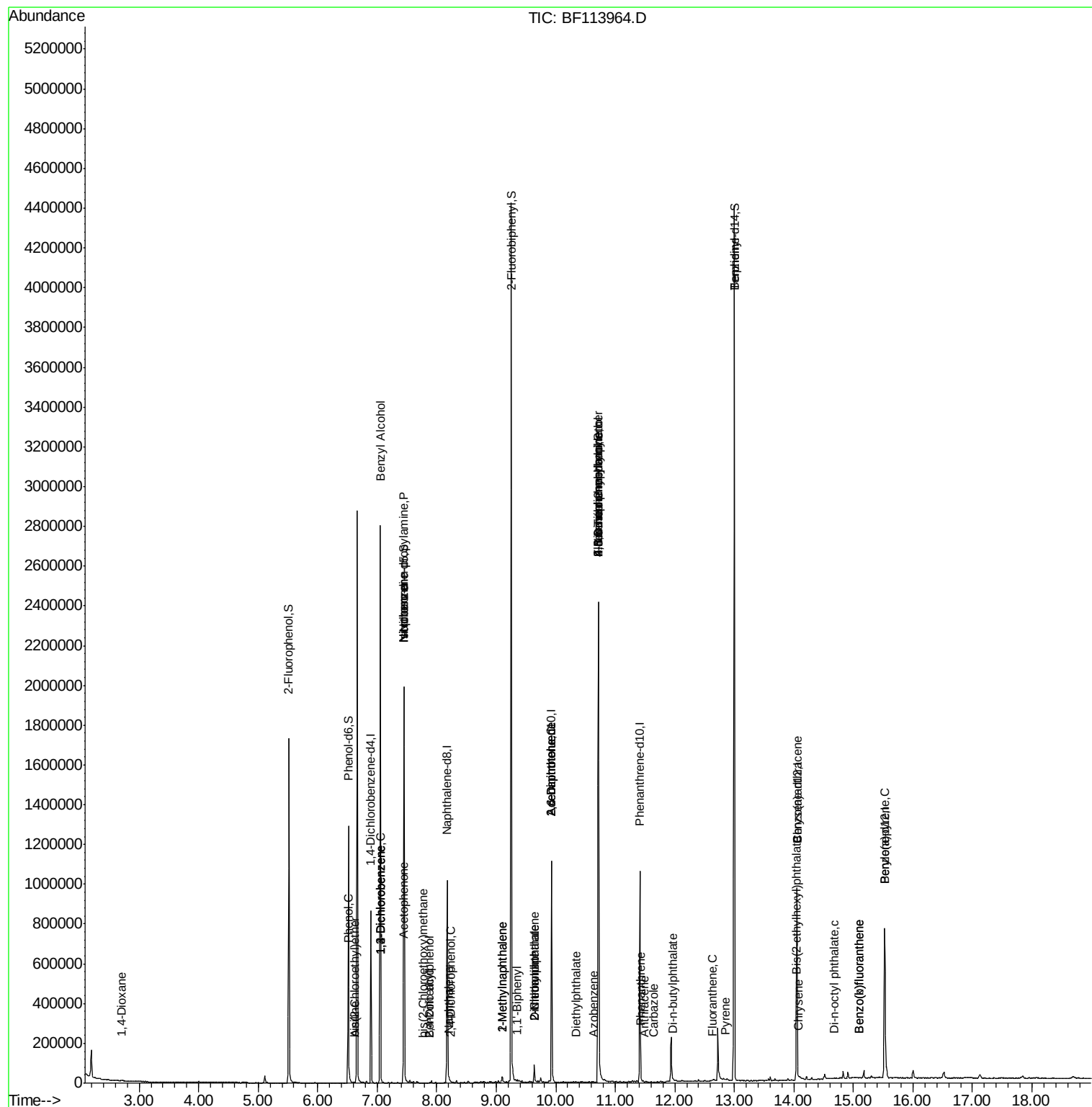
72) Anthracene	11.49	178	491	0.022	ng	# 59
73) Carbazole	11.65	167	119	0.006	ng	# 59
74) Di-n-butylphthalate	11.97	149	895	0.038	ng	# 77
75) Fluoranthene	12.62	202	327	0.014	ng	63
77) Benzidine	13.00	184	17442	1.760	ng	96
78) Pyrene	12.85	202	274	0.012	ng	# 56
81) Benzo(a)anthracene	14.05	228	996	0.051	ng	# 48
83) Chrysene	14.07	228	174	0.009	ng	# 48
84) Bis(2-ethylhexyl)phthalate	14.03	149	1091	0.094	ng	# 91
85) Di-n-octyl phthalate	14.68	149	486	0.027	ng	# 80
88) Benzo(b)fluoranthene	15.09	252	131	0.005	ng	# 60
89) Benzo(k)fluoranthene	15.09	252	131	0.006	ng	# 59
90) Benzo(a)pyrene	15.53	252	1208	0.056	ng	# 48

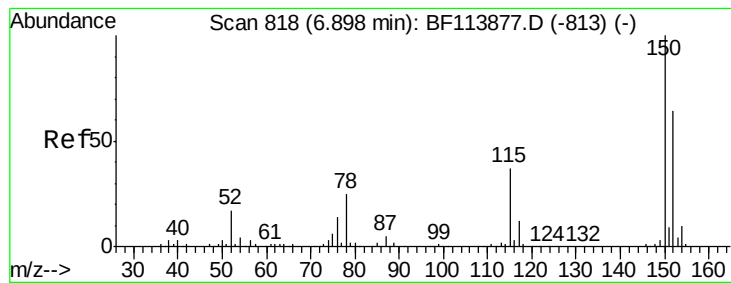
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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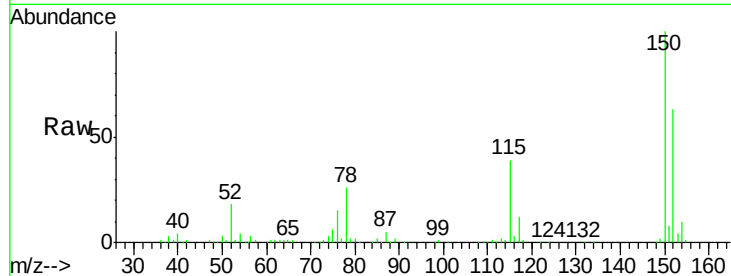


#1

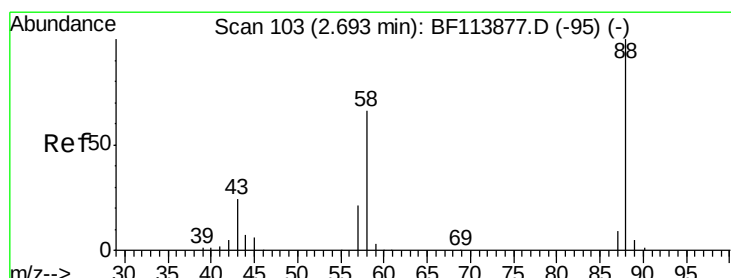
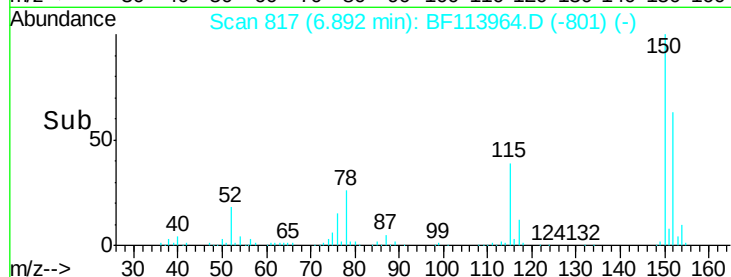
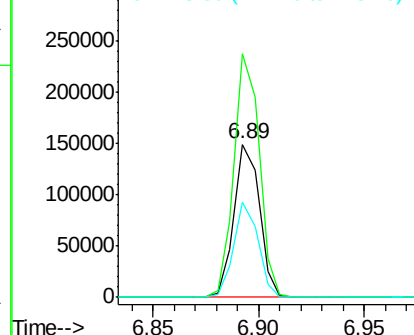
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 124432
Ion Ratio Lower Upper
152 100
150 159.0 125.9 188.9
115 62.3 45.9 68.9



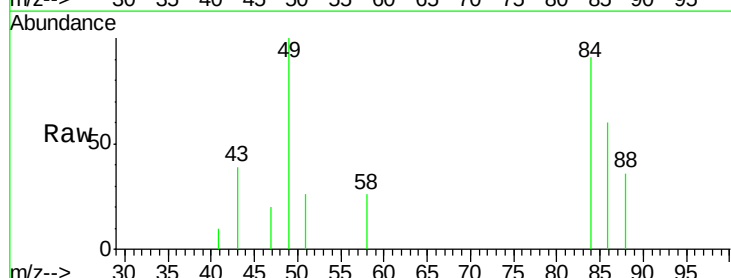
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



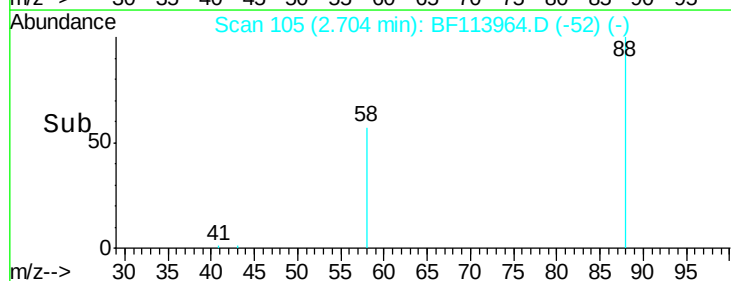
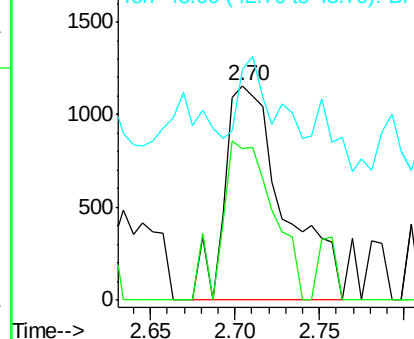
#2

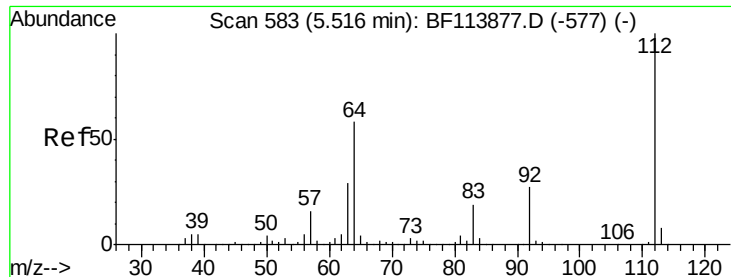
1,4-Dioxane
Concen: 0.834 ng
RT: 2.70 min Scan# 105
Delta R.T. 0.01 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion: 88 Resp: 2859
Ion Ratio Lower Upper
88 100
58 63.4 53.3 79.9
43 19.2 19.0 28.4



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





#5

2-Fluorophenol

Concen: 68.823 ng

RT: 5.52 min Scan# 583

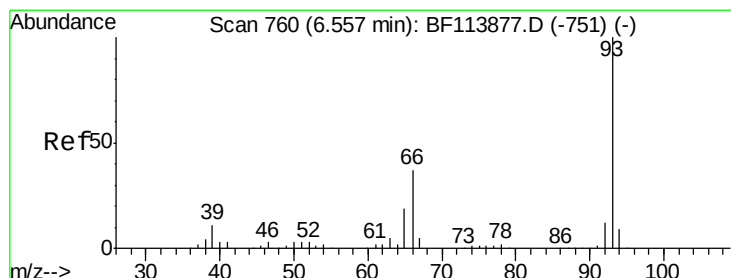
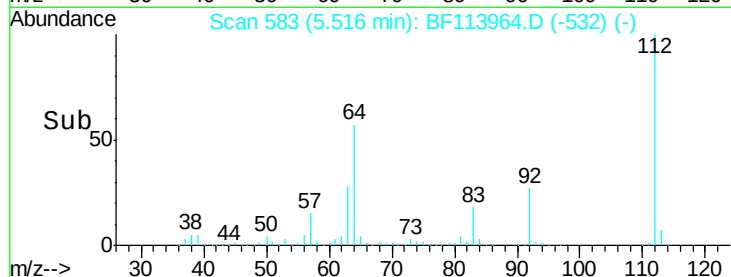
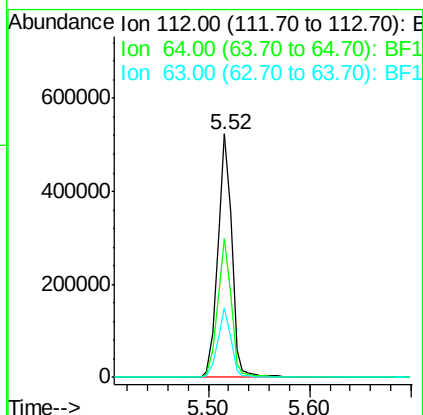
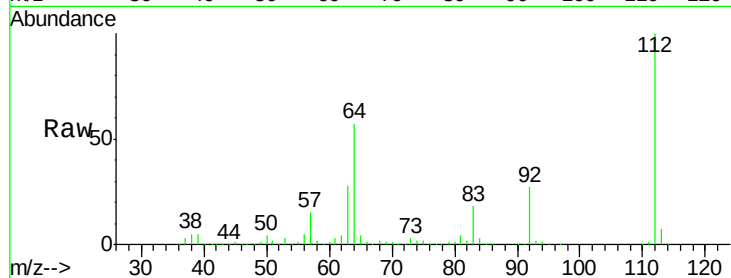
Delta R.T. 0.00 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	112	Resp:	500699
Ion	Ratio	Lower	Upper
112	100		
64	56.8	46.6	69.8
63	28.4	23.1	34.7



#6

Aniline

Concen: 0.097 ng

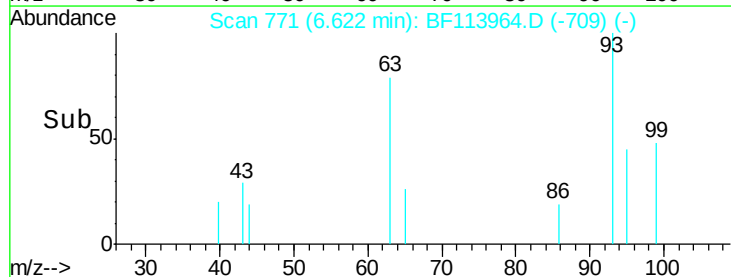
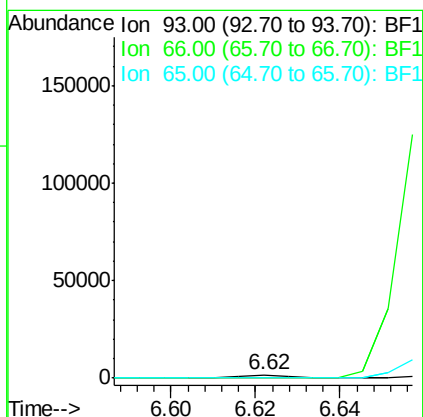
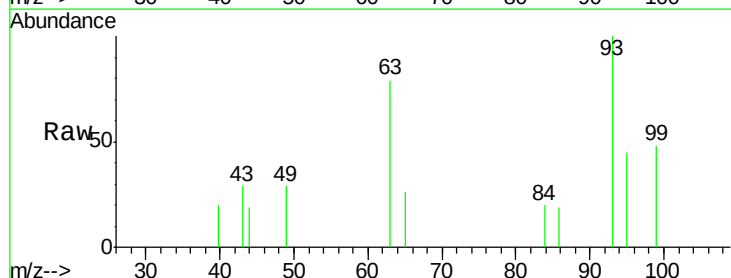
RT: 6.62 min Scan# 771

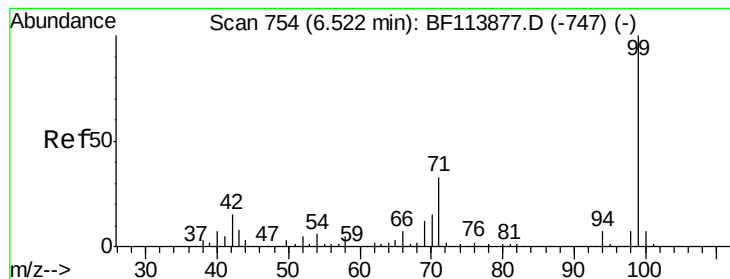
Delta R.T. 0.06 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

Tgt Ion:	93	Resp:	1220
Ion	Ratio	Lower	Upper
93	100		
66	0.0	29.8	44.6#
65	25.6	14.9	22.3#





#7

Phenol-d6

Concen: 47.102 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

Instrument :

BNA_F

ClientSampleId :

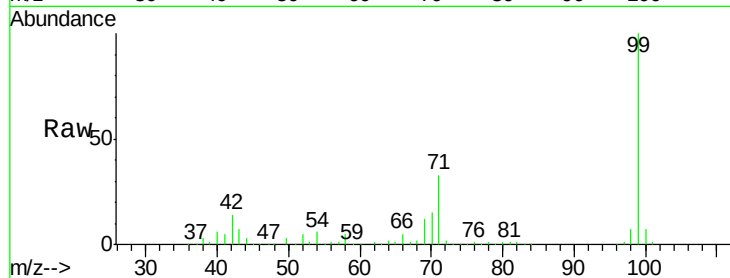
Tot Ion: 99 Resp: 429933

Ion Ratio Lower Upper

99 100

42 14.3 12.5 18.7

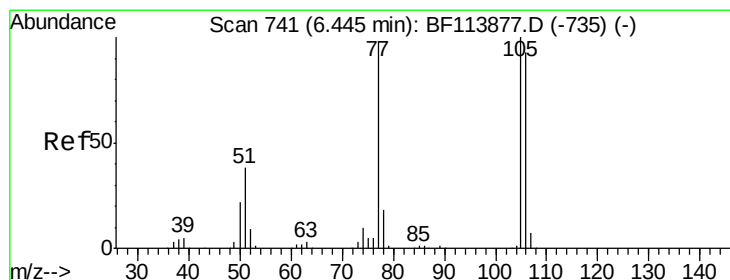
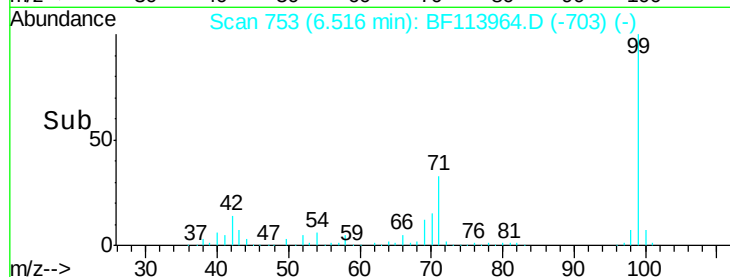
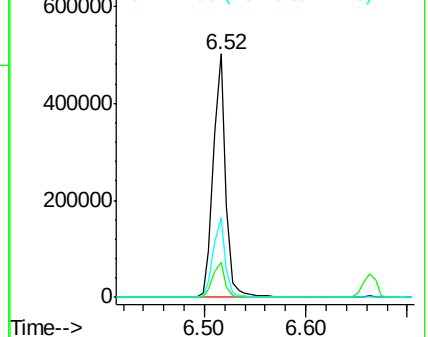
71 32.8 26.9 40.3



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: Below Cal

RT: 6.66 min Scan# 778

Delta R.T. 0.22 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

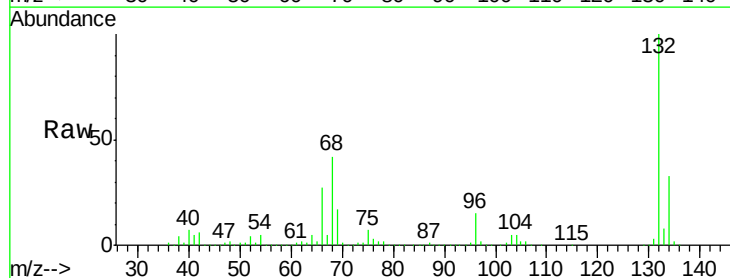
Tgt Ion: 77 Resp: 18628

Ion Ratio Lower Upper

77 100

105 75.7 74.1 114.1

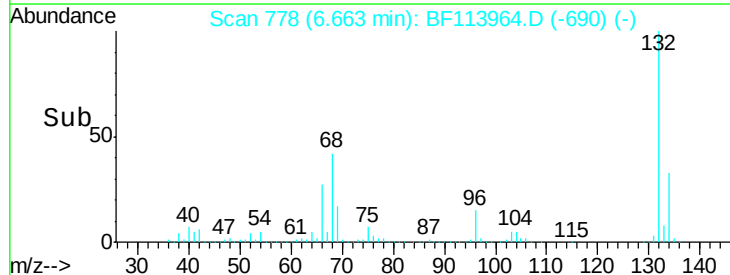
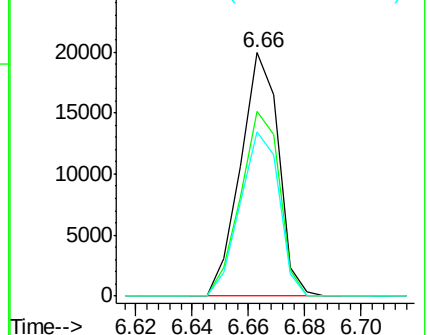
106 67.3 70.3 110.3#

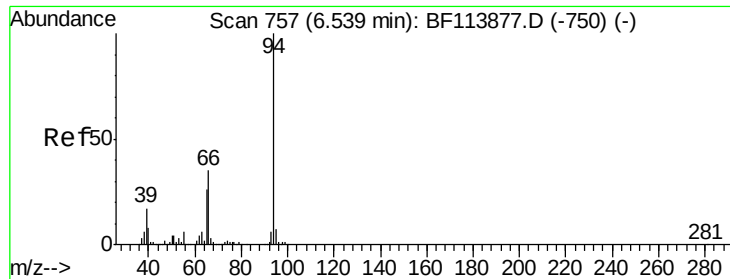


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 0.056 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

Instrument :

BNA_F

ClientSampleId :

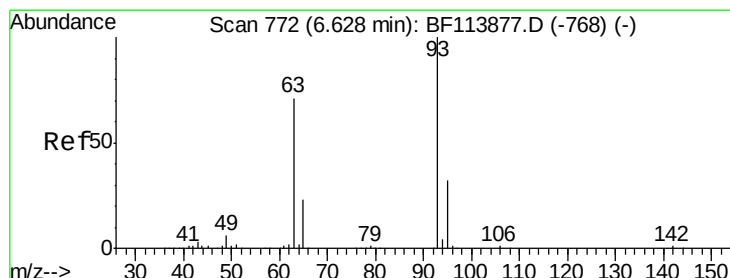
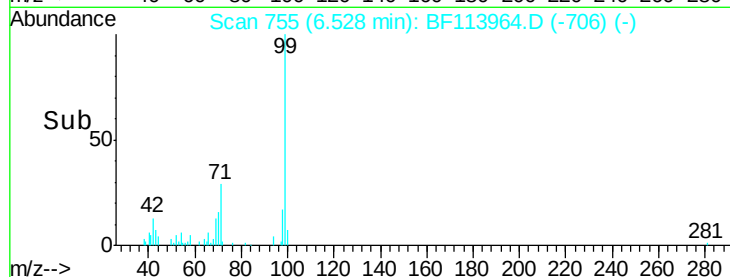
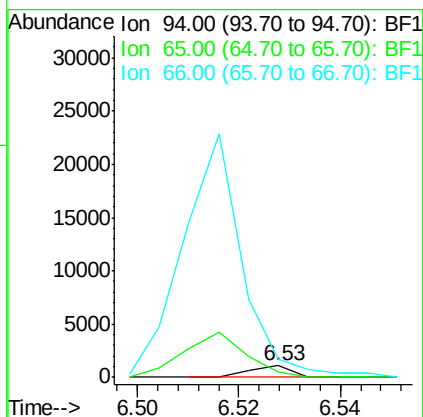
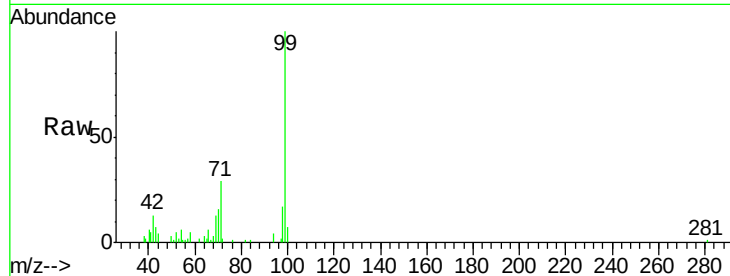
Tot Ion: 94 Resp: 608

Ion Ratio Lower Upper

94 100

65 47.2 8.1 48.1

66 154.7 16.6 56.6#



#11

bis(2-Chloroethyl)ether

Concen: 0.149 ng

RT: 6.62 min Scan# 771

Delta R.T. -0.01 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

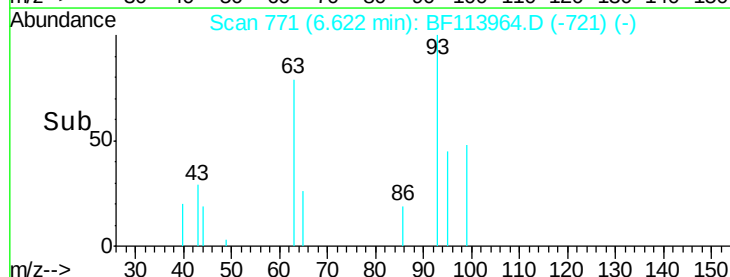
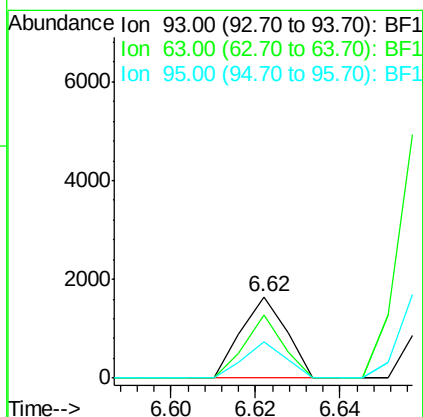
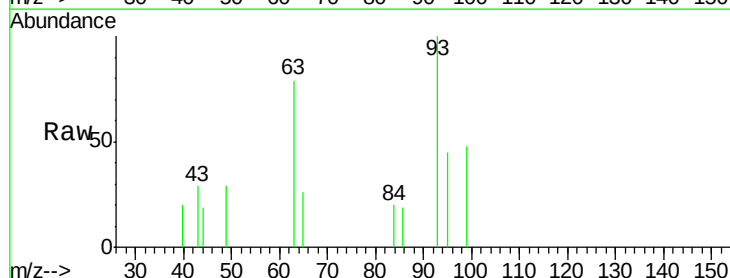
Tgt Ion: 93 Resp: 1220

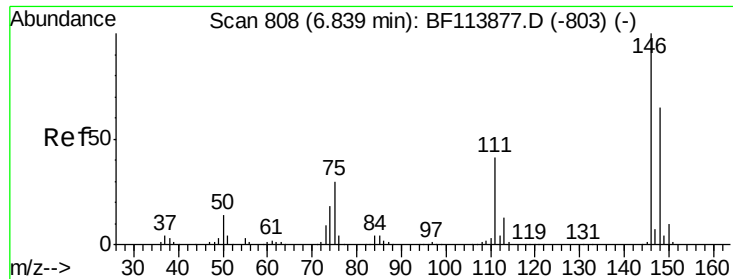
Ion Ratio Lower Upper

93 100

63 78.5 50.7 90.7

95 44.8 12.3 52.3

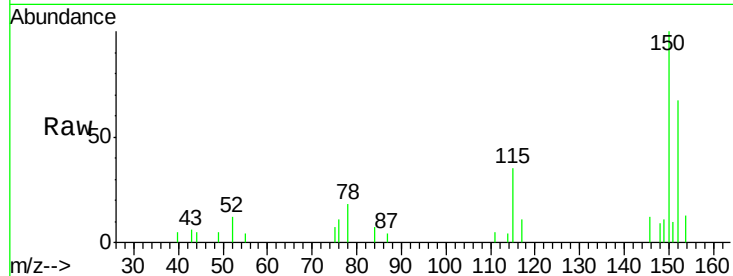




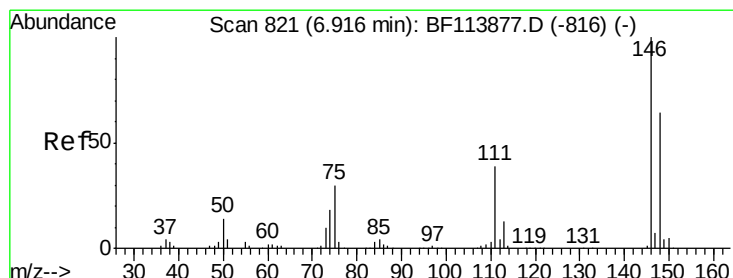
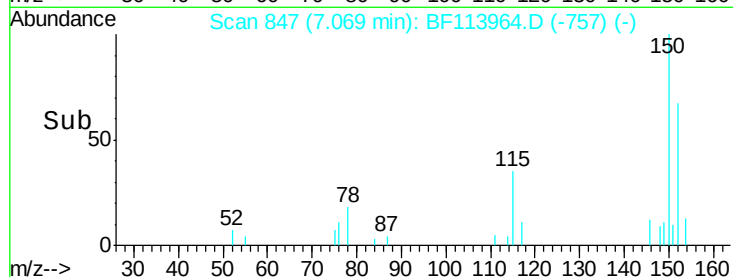
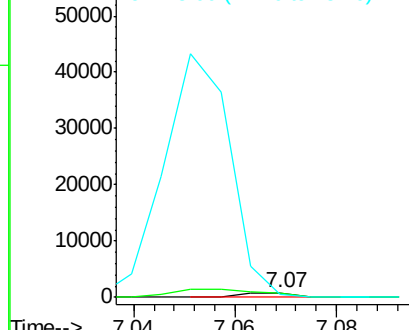
#12
 1,3-Dichlorobenzene
 Concen: 0.061 ng
 RT: 7.07 min Scan# 847
 Delta R.T. 0.23 min
 Lab File: BF113964.D
 Acq: 24 Apr 2019 16:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:146 Resp: 573
 Ion Ratio Lower Upper
 146 100
 148 78.6 51.0 76.6#
 75 61.8 23.8 35.8#

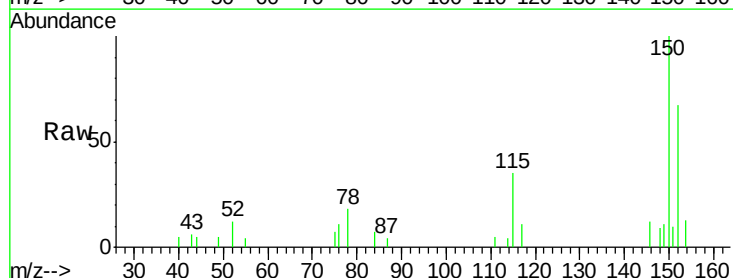


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF1

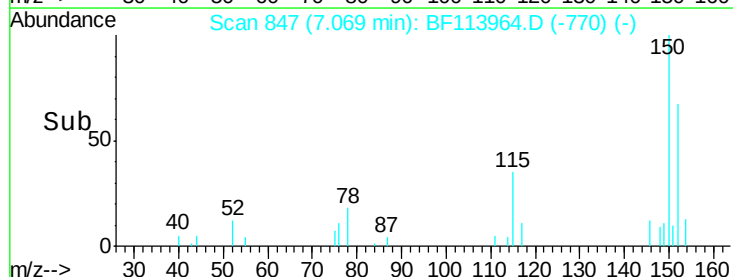
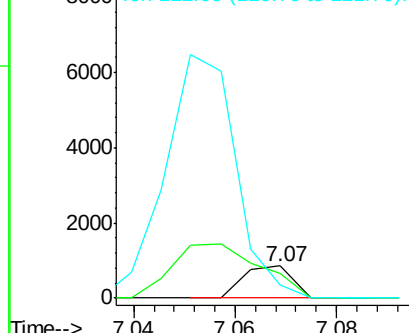


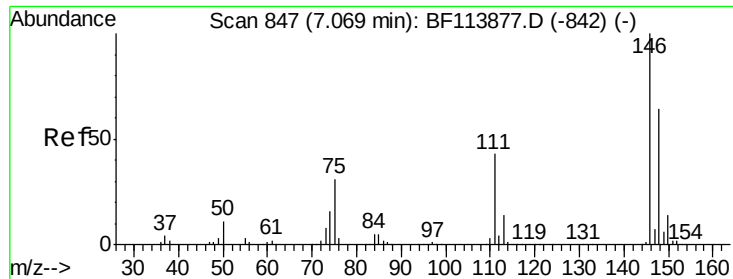
#13
 1,4-Dichlorobenzene
 Concen: 0.061 ng
 RT: 7.07 min Scan# 847
 Delta R.T. 0.15 min
 Lab File: BF113964.D
 Acq: 24 Apr 2019 16:29

Tgt Ion:146 Resp: 573
 Ion Ratio Lower Upper
 146 100
 148 78.6 51.8 77.8#
 111 41.1 30.9 46.3



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

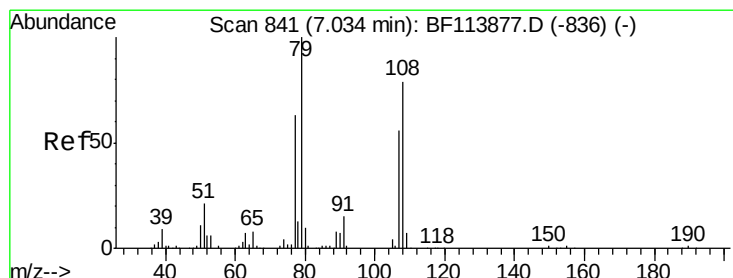
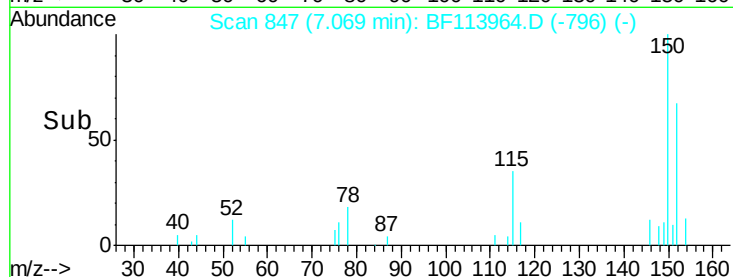
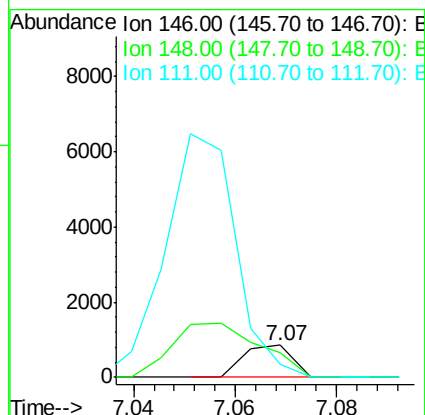
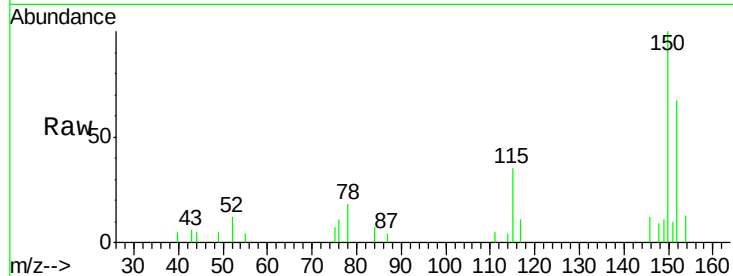




#14
 1,2-Dichlorobenzene
 Concen: 0.066 ng
 RT: 7.07 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: BF113964.D
 Acq: 24 Apr 2019 16:29

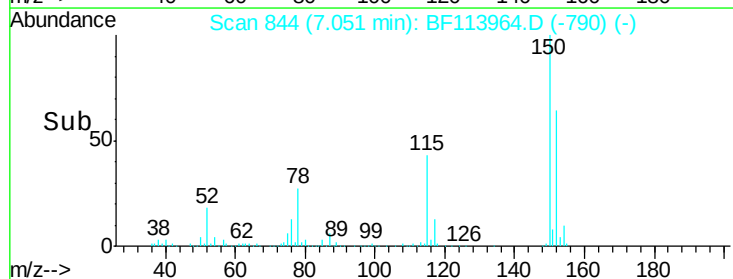
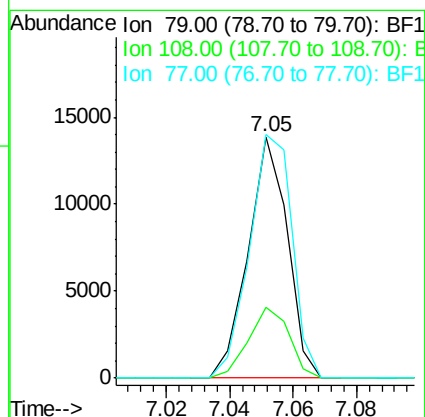
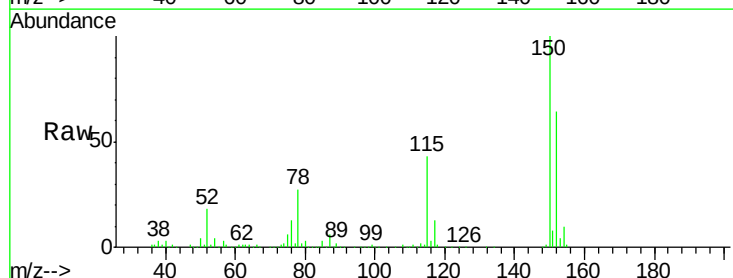
Instrument :
 BNA_F
 ClientSampleId :

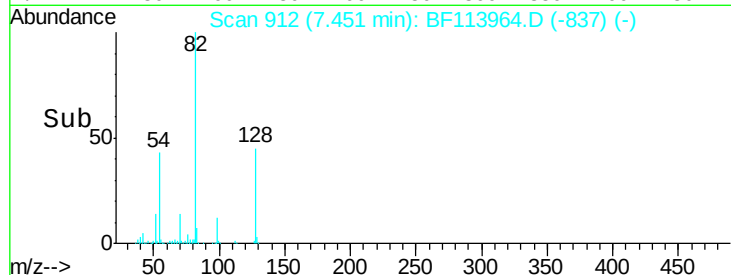
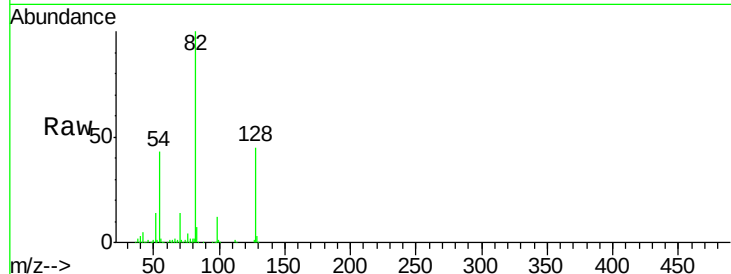
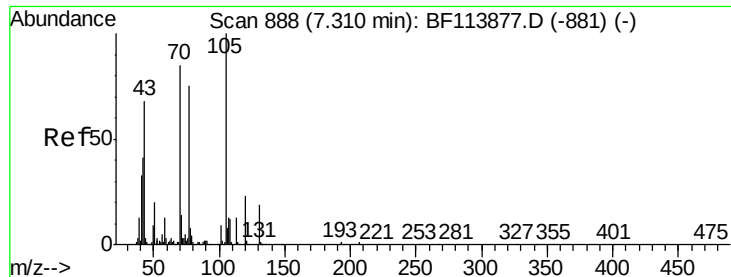
Tot Ion:146 Resp: 573
 Ion Ratio Lower Upper
 146 100
 148 78.6 52.1 78.1#
 111 41.1 34.2 51.4



#15
 Benzyl Alcohol
 Concen: 1.938 ng
 RT: 7.05 min Scan# 844
 Delta R.T. 0.02 min
 Lab File: BF113964.D
 Acq: 24 Apr 2019 16:29

Tgt Ion: 79 Resp: 11916
 Ion Ratio Lower Upper
 79 100
 108 29.3 61.4 92.0#
 77 100.8 51.6 77.4#

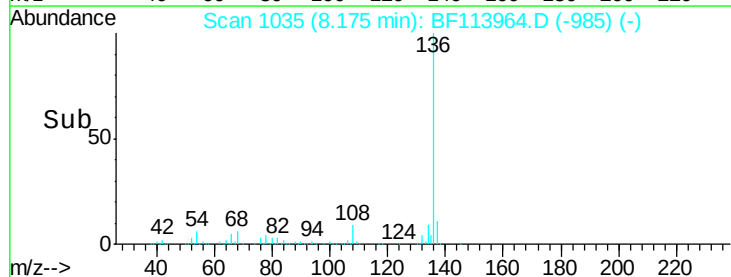
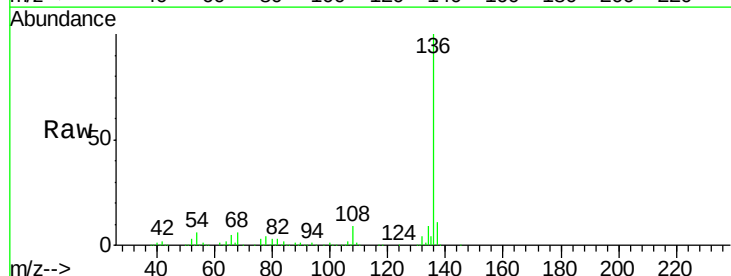
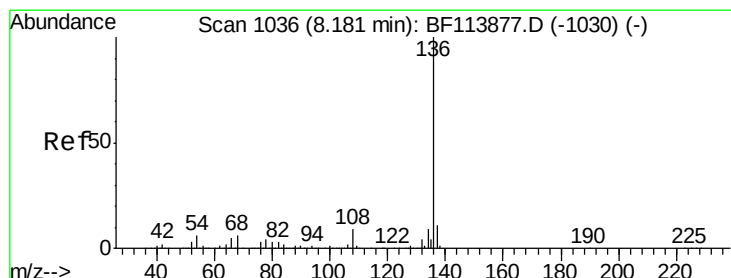
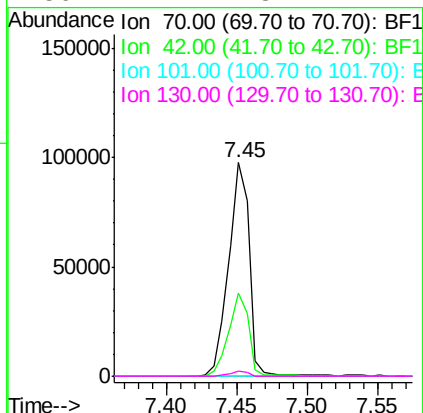




#19
n-Nitroso-di-n-propylamine
Concen: 16.782 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.14 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

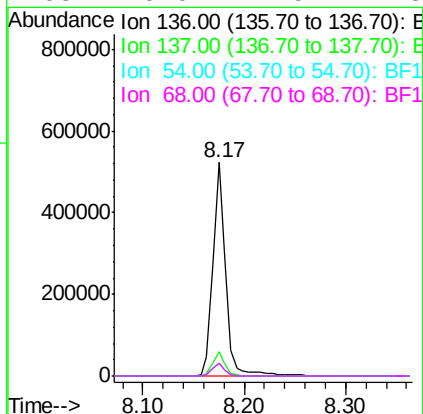
Instrument :
BNA_F
ClientSampled :

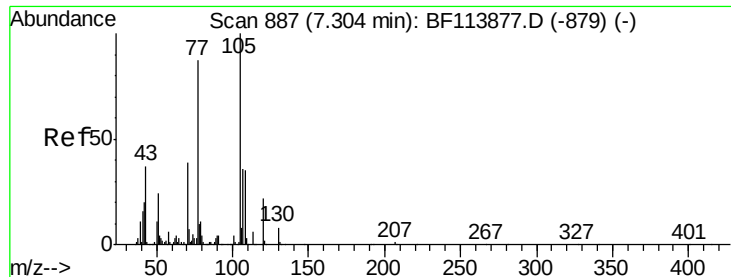
Tot Ion:	70	Resp:	99195
Ion	Ratio	Lower	Upper
70	100		
42	39.1	37.3	55.9
101	0.0	7.8	11.8#
130	2.1	18.2	27.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion:	136	Resp:	459197
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	6.2	5.0	7.6
68	6.0	4.9	7.3





#22

Acetophenone

Concen: 0.094 ng

RT: 7.43 min Scan# 909

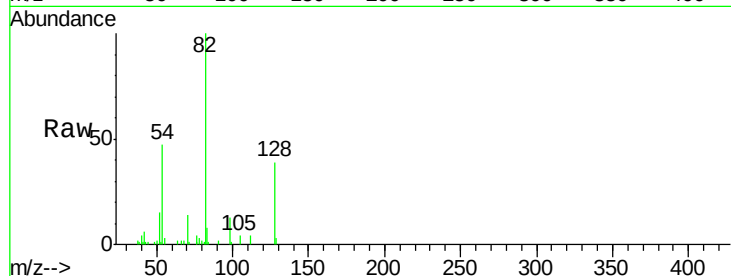
Delta R.T. 0.13 min

Lab File: BF113964.D

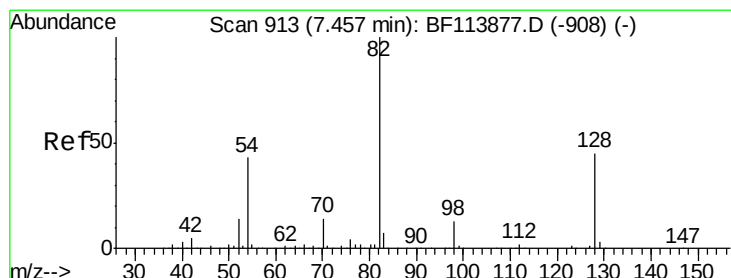
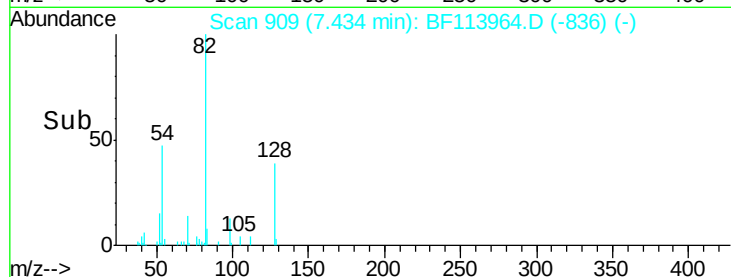
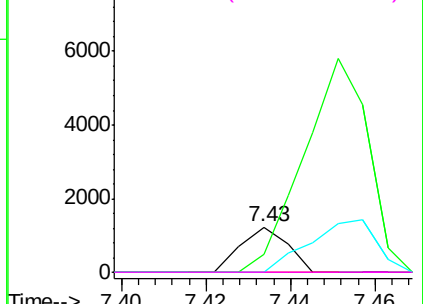
Acq: 24 Apr 2019 16:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	105	Resp:	958
Ion	Ratio	Lower	Upper
105	100		
71	38.3	6.1	9.1#
51	0.0	16.8	25.2#
120	0.0	17.6	26.4#



Abundance Ion 105.00 (104.70 to 105.70): E



#23

Nitrobenzene-d5

Concen: 99.167 ng

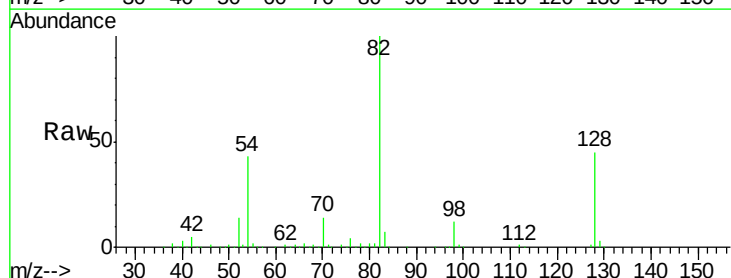
RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

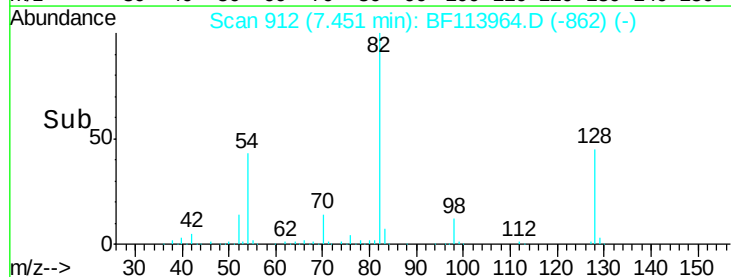
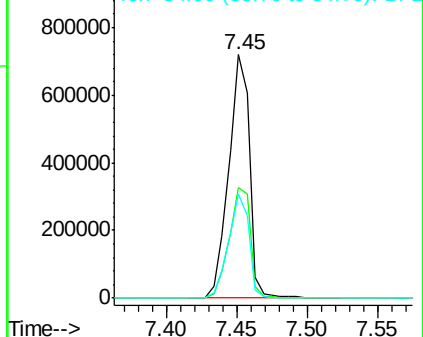
Lab File: BF113964.D

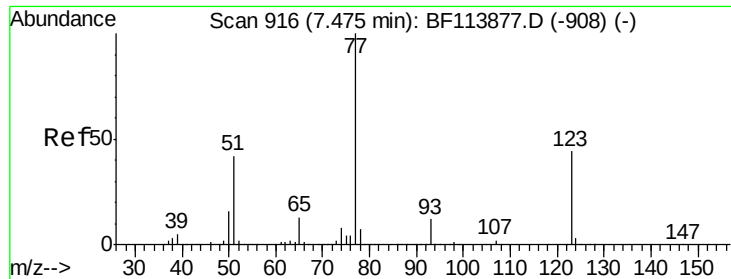
Acq: 24 Apr 2019 16:29

Tgt Ion:	82	Resp:	737514
Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.8	55.2
54	42.8	33.8	50.6



Abundance Ion 82.00 (81.70 to 82.70): BF1





#24

Nitrobenzene

Concen: 0.256 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.02 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

Instrument :

BNA_F

ClientSampleId :

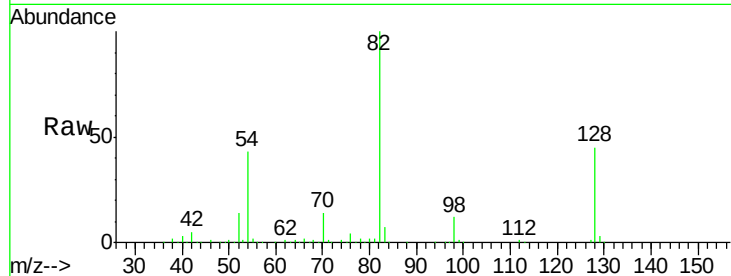
Tot Ion: 77 Resp: 2105

Ion Ratio Lower Upper

77 100

123 0.0 36.3 54.5#

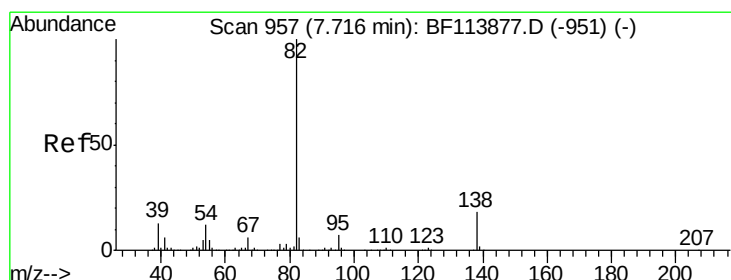
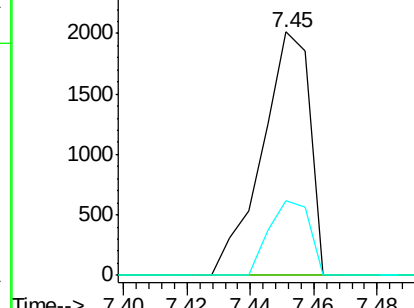
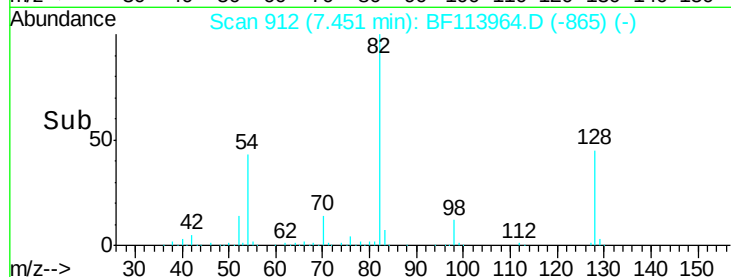
65 30.5 10.3 15.5#



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: 48.464 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

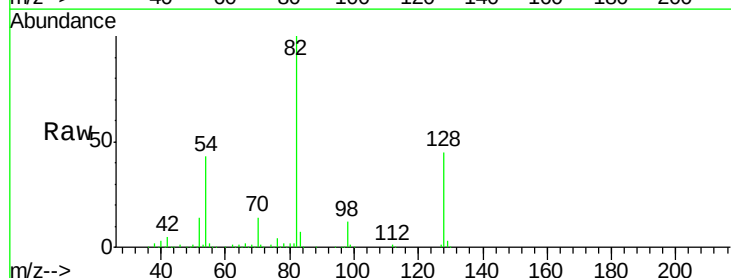
Tgt Ion: 82 Resp: 737507

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

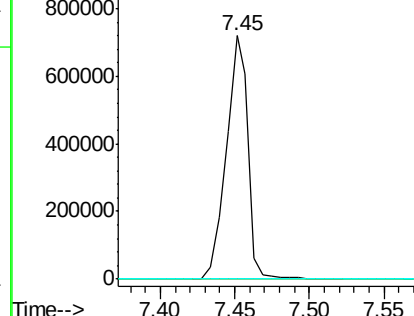
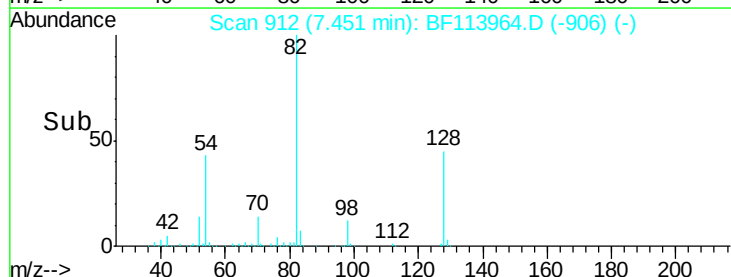
138 0.0 14.6 22.0#

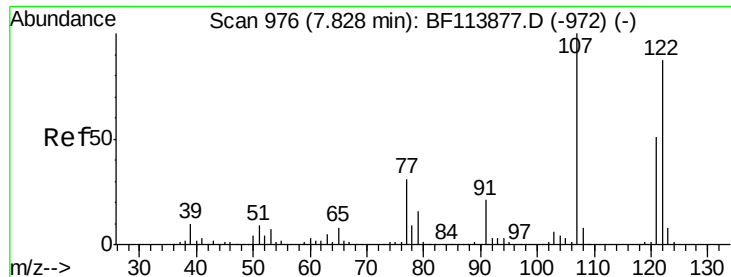


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#27

2,4-Dimethylphenol

Concen: 0.022 ng

RT: 7.88 min Scan# 985

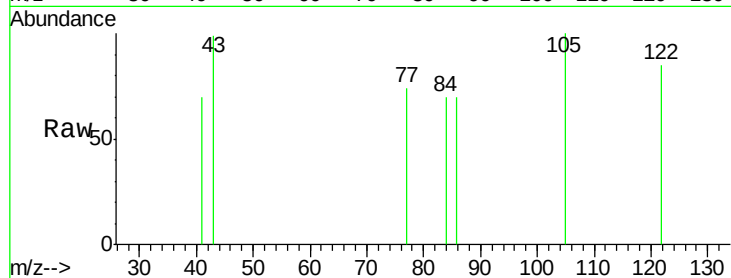
Delta R.T. 0.05 min

Lab File: BF113964.D

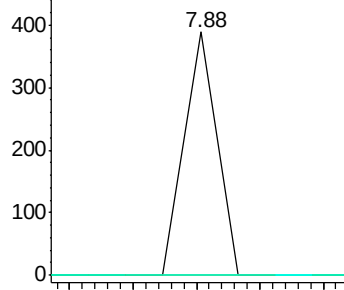
Acq: 24 Apr 2019 16:29

Instrument :
BNA_F
ClientSampleId :

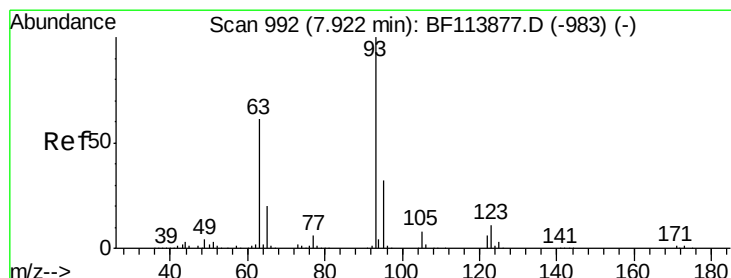
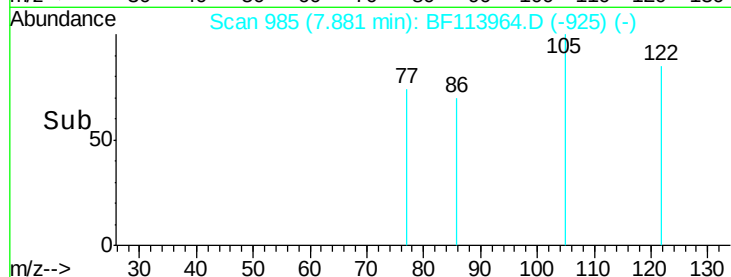
Tot Ion:122 Resp: 137
Ion Ratio Lower Upper
122 100
107 0.0 91.2 136.8#
121 0.0 46.4 69.6#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



Time-->



#28

bis(2-Chloroethoxy)methane

Concen: 0.012 ng

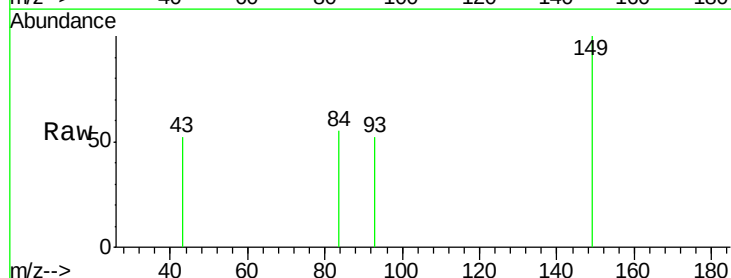
RT: 7.77 min Scan# 967

Delta R.T. -0.15 min

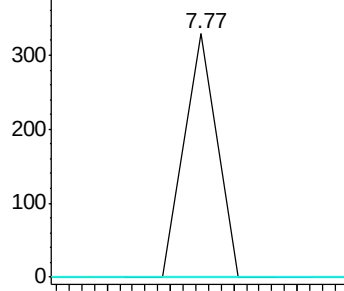
Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

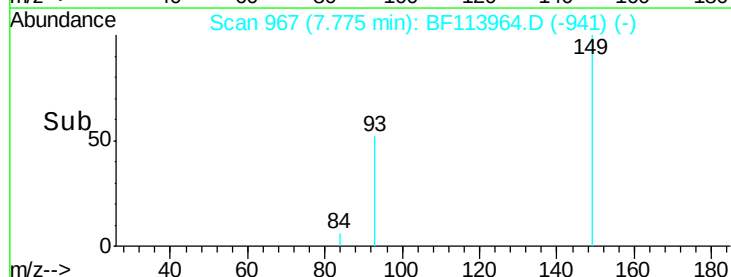
Tgt Ion: 93 Resp: 116
Ion Ratio Lower Upper
93 100
95 0.0 25.8 38.6#
123 0.0 9.0 13.6#

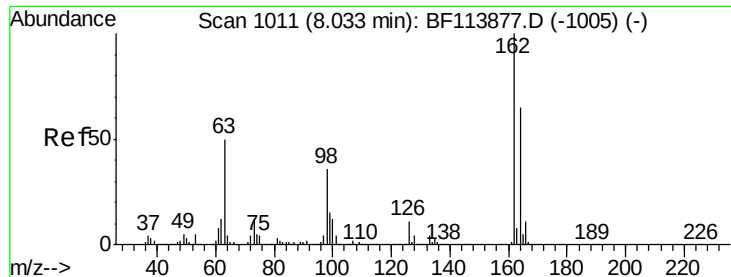


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): E



Time-->

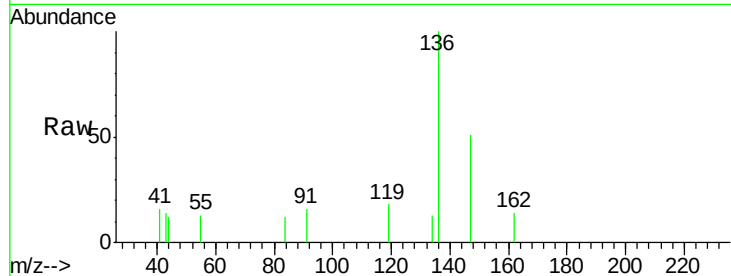




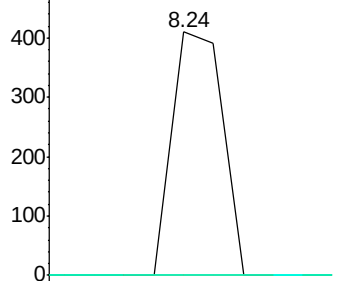
#29
2,4-Dichlorophenol
Concen: 0.041 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.21 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Instrument :
BNA_F
ClientSampled :

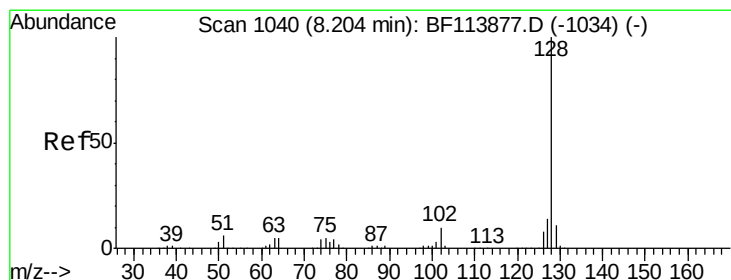
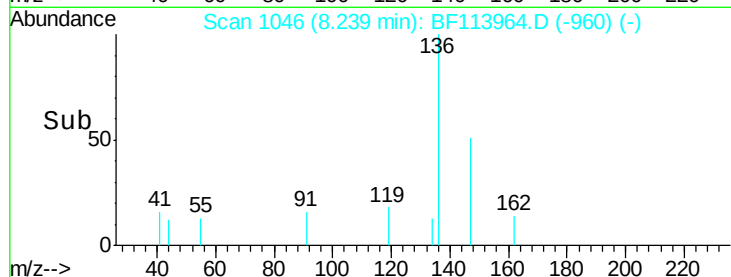
Tot Ion:162 Resp: 283
Ion Ratio Lower Upper
162 100
164 0.0 43.7 83.7#
98 0.0 15.5 55.5#



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

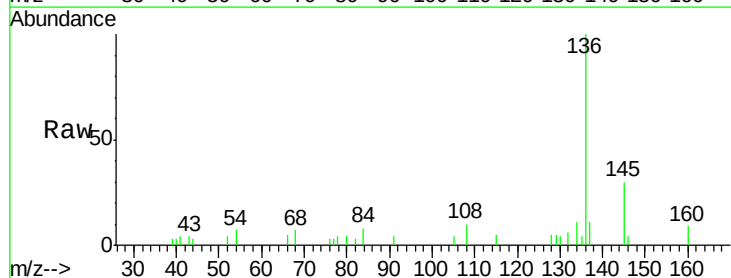


Time-->

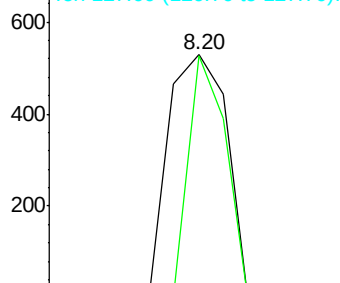


#31
Naphthalene
Concen: 0.023 ng
RT: 8.20 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

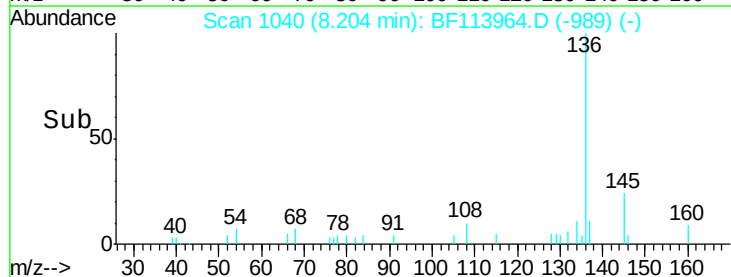
Tgt Ion:128 Resp: 508
Ion Ratio Lower Upper
128 100
129 99.4 9.4 14.0#
127 0.0 10.8 16.2#

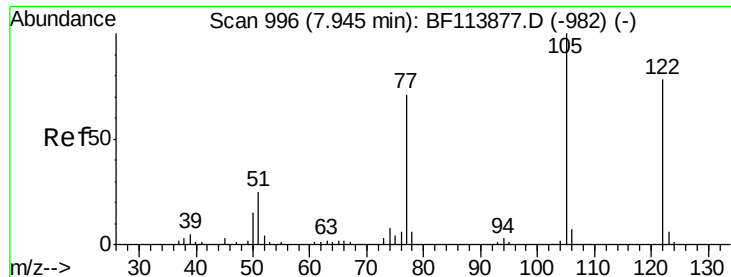


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



Time-->





#32

Benzoic acid

Concen: 0.033 ng

RT: 7.88 min Scan# 985

Delta R.T. -0.06 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

Instrument :

BNA_F

ClientSampleId :

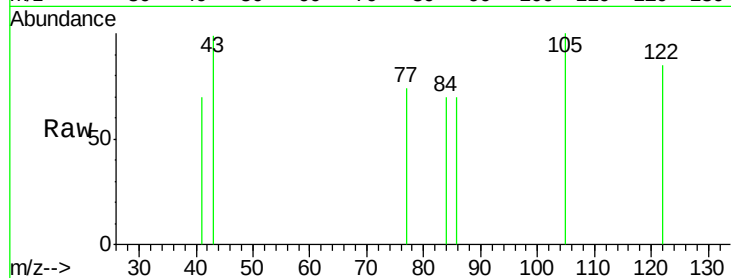
Tot Ion:122 Resp: 137

Ion Ratio Lower Upper

122 100

105 117.5 104.3 144.3

77 87.1 70.4 110.4

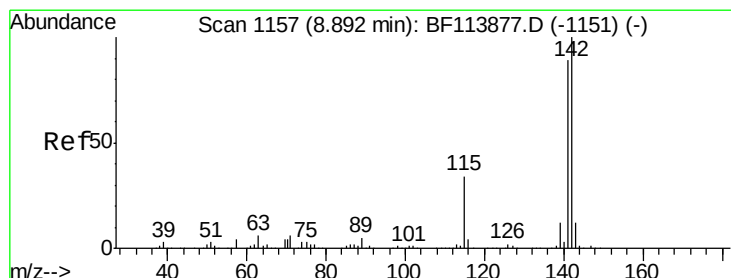
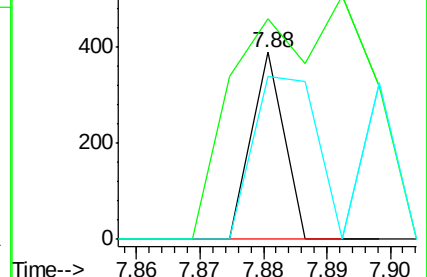
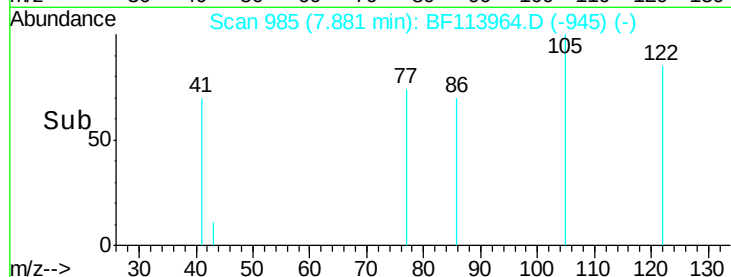


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

Time-->



#37

2-Methylnaphthalene

Concen: 0.007 ng

RT: 9.10 min Scan# 1193

Delta R.T. 0.21 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

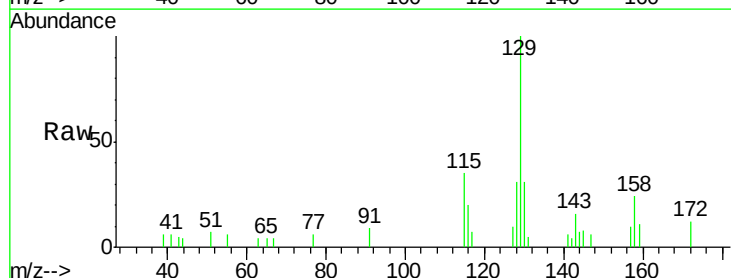
Tgt Ion:142 Resp: 108

Ion Ratio Lower Upper

142 100

141 155.1 70.4 105.6#

115 850.8 26.3 39.5#

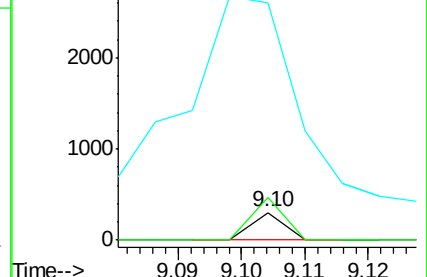
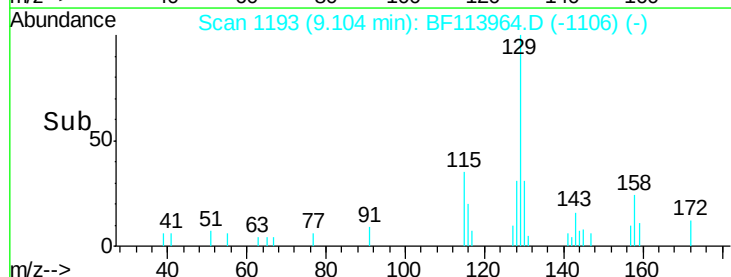


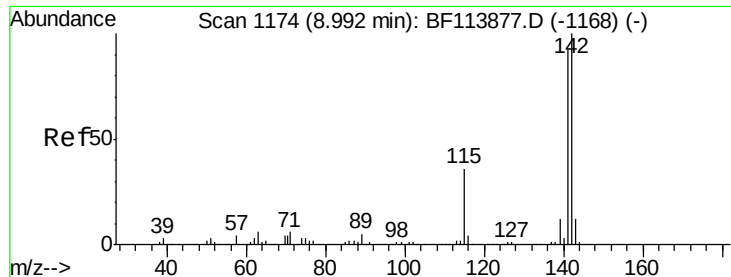
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

Time-->

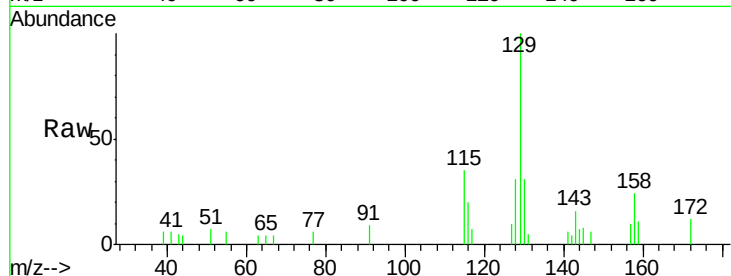




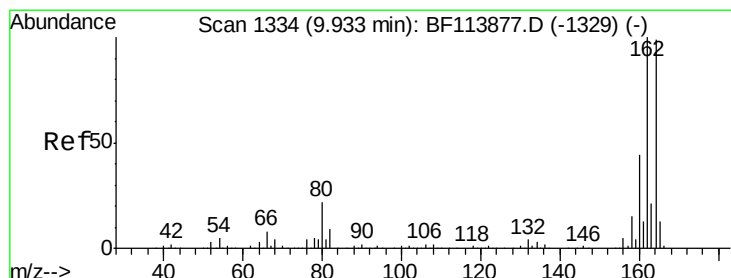
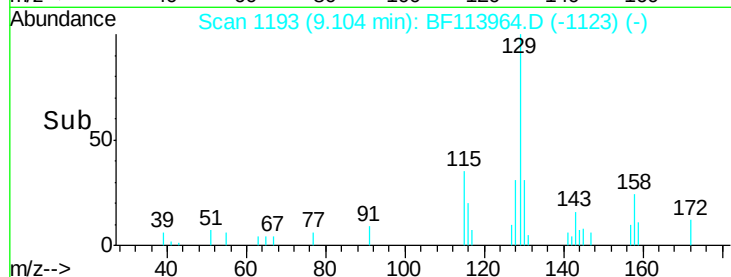
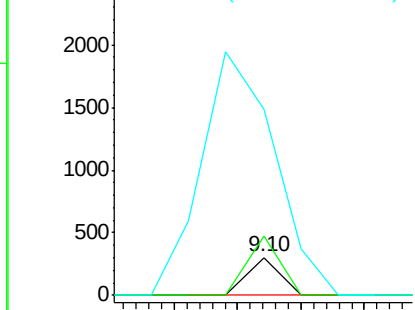
#38
1-Methylnaphthalene
Concen: 0.008 ng
RT: 9.10 min Scan# 1193
Delta R.T. 0.11 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:142 Resp: 108
Ion Ratio Lower Upper
142 100
141 155.1 72.3 108.5#
116 486.9 3.0 4.4#

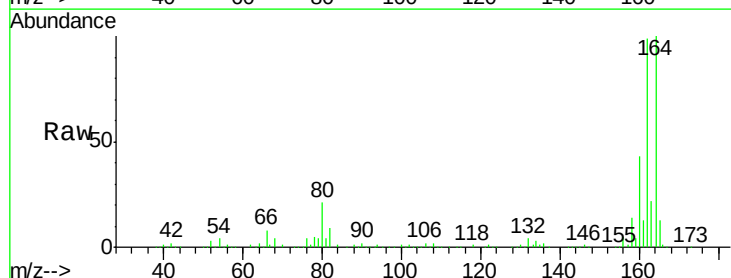


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

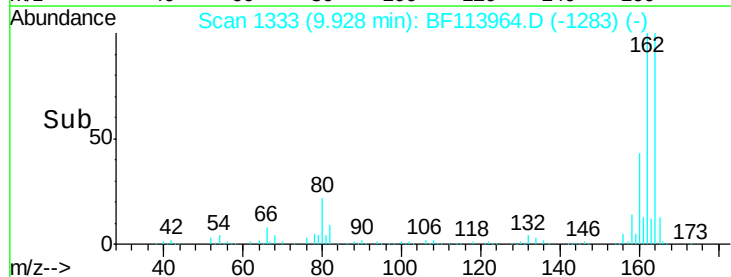
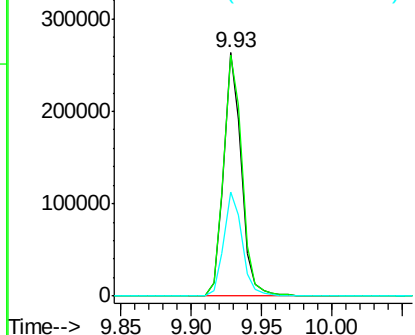


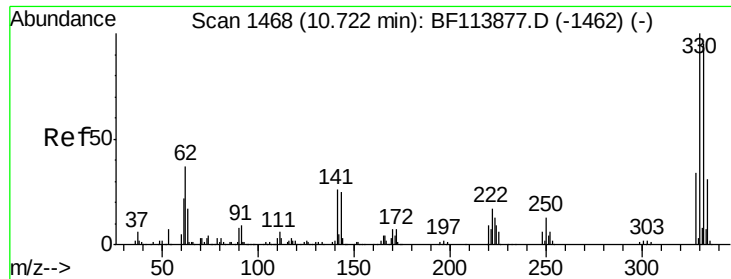
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion:164 Resp: 230521
Ion Ratio Lower Upper
164 100
162 99.0 81.1 121.7
160 42.8 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

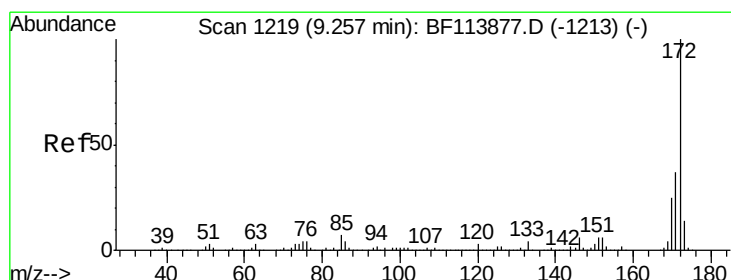
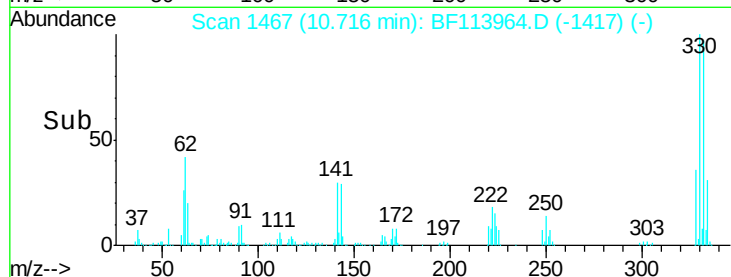
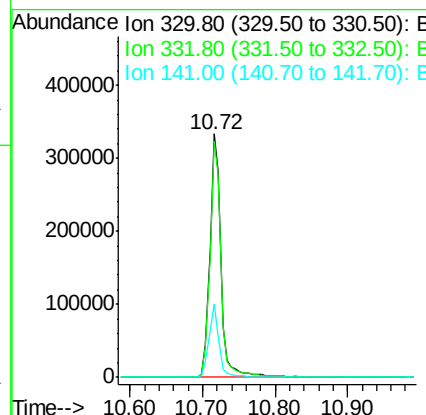
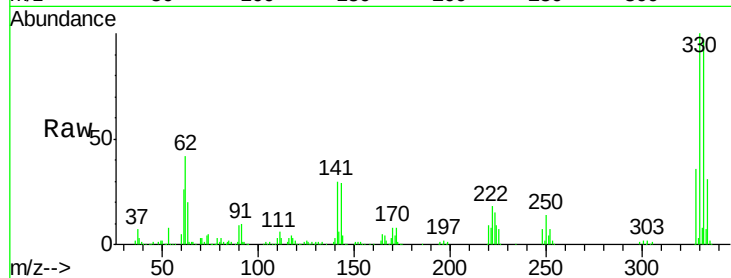




#42
 2,4,6-Tribromophenol
 Concen: 127.648 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF113964.D
 Acq: 24 Apr 2019 16:29

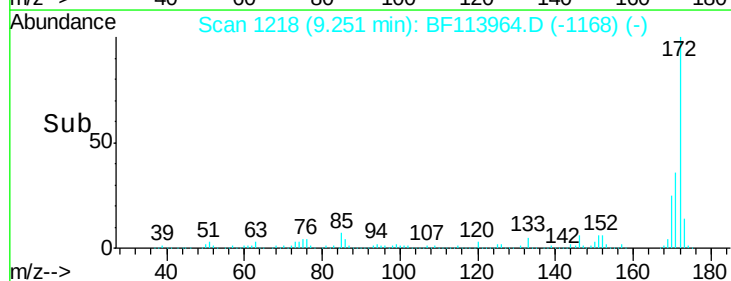
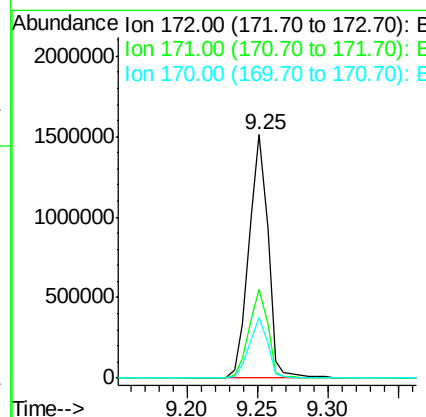
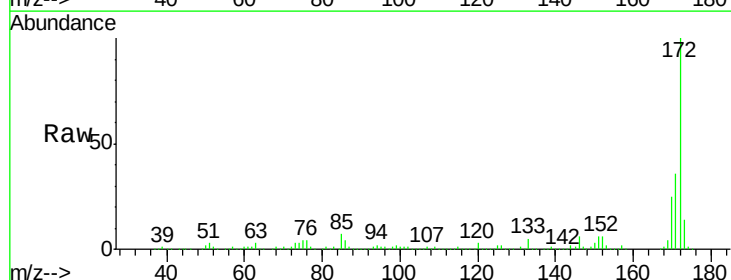
Instrument :
 BNA_F
 ClientSampleId :

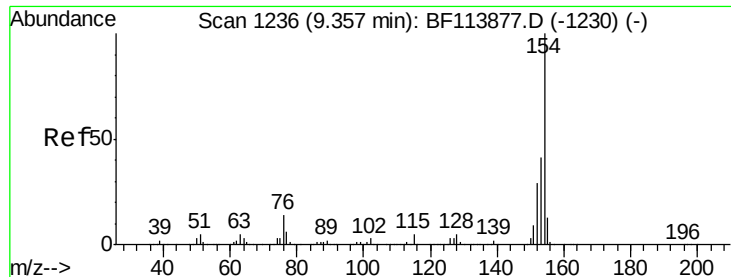
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.5	116.3
141	28.1	22.2	33.2



#45
 2-Fluorobiphenyl
 Concen: 97.462 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF113964.D
 Acq: 24 Apr 2019 16:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	24.8	19.9	29.9





#46

1,1'-Biphenyl

Concen: 0.158 ng

RT: 9.35 min Scan# 1235

Delta R.T. -0.01 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

Instrument :

BNA_F

ClientSampleId :

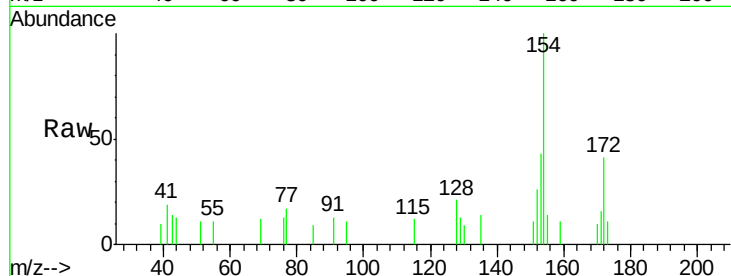
Tot Ion:154 Resp: 2775

Ion Ratio Lower Upper

154 100

153 43.3 20.8 60.8

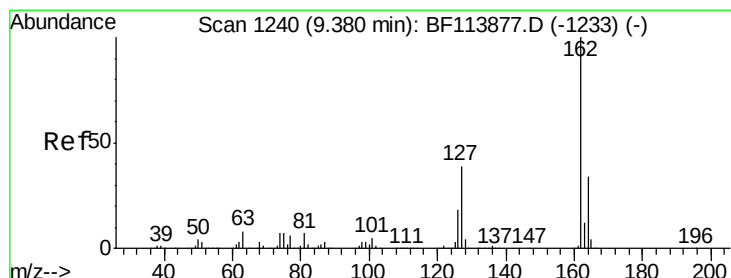
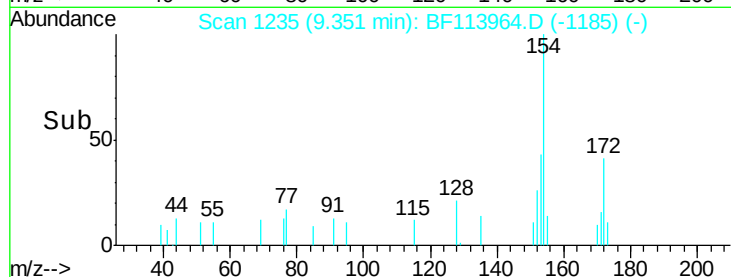
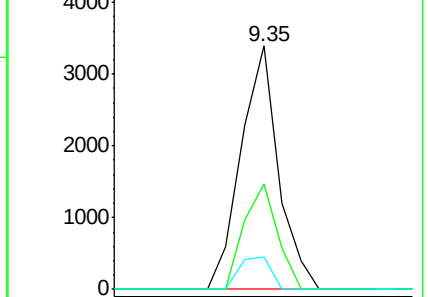
76 13.2 0.0 35.2



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: 0.007 ng

RT: 9.63 min Scan# 1283

Delta R.T. 0.25 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

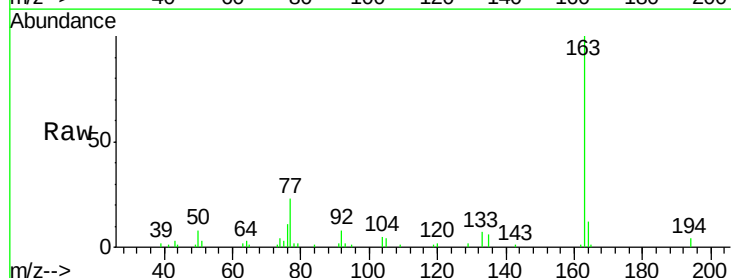
Tgt Ion:162 Resp: 106

Ion Ratio Lower Upper

162 100

127 0.0 29.3 43.9#

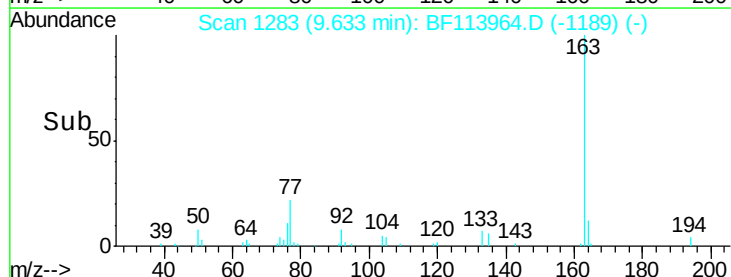
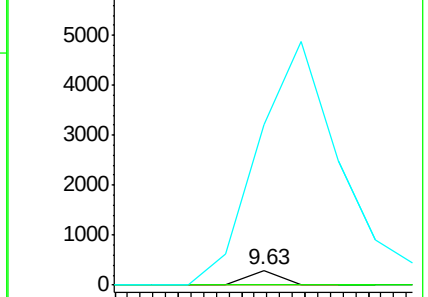
164 1069.4 27.1 40.7#

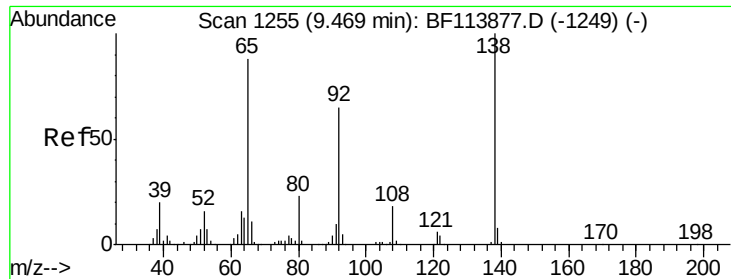


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

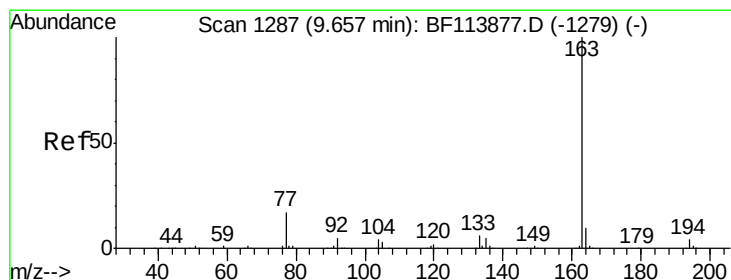
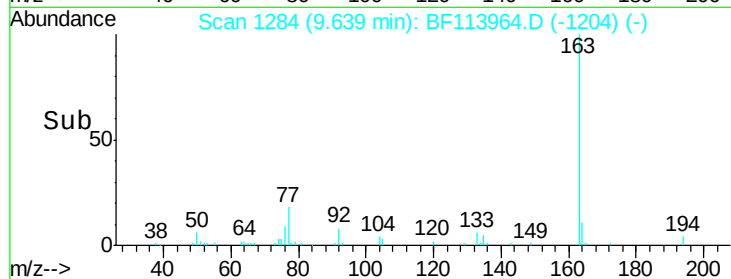
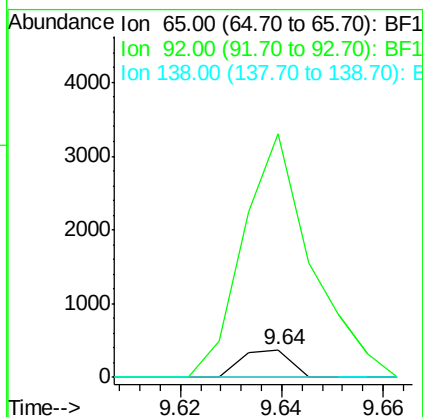
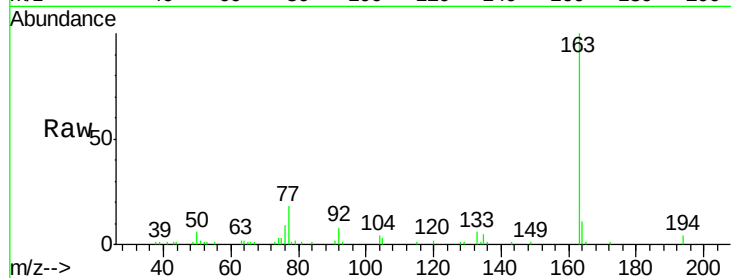




#48
2-Nitroaniline
Concen: 0.067 ng
RT: 9.64 min Scan# 1284
Delta R.T. 0.17 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

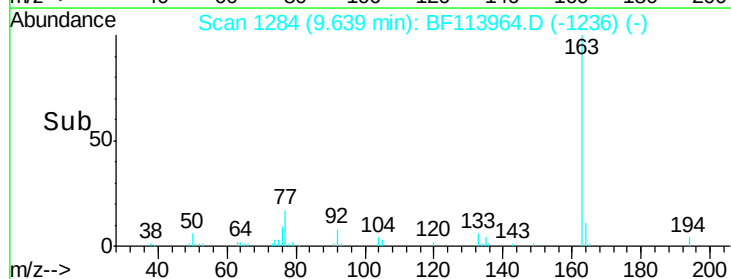
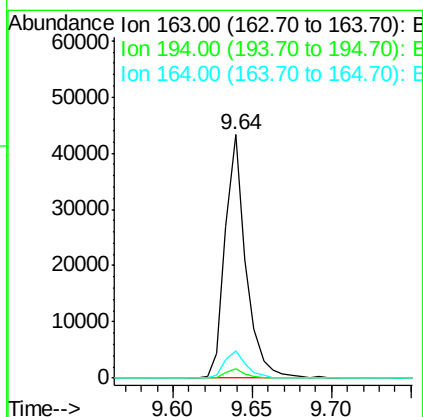
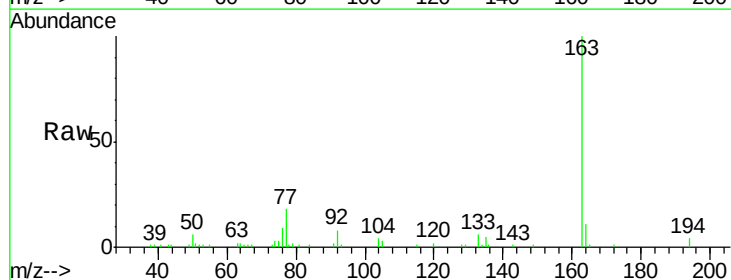
Instrument :
BNA_F
ClientSampleId :

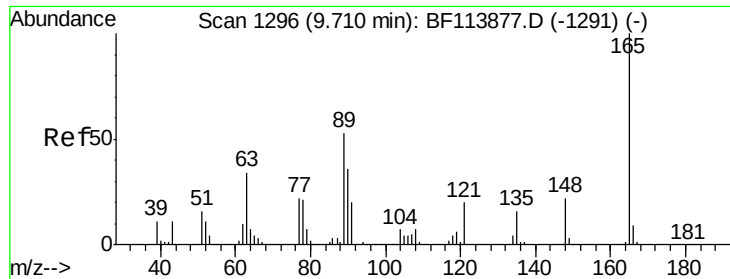
Tot Ion: 65 Resp: 252
Ion Ratio Lower Upper
65 100
92 873.5 57.4 86.0#
138 0.0 85.4 128.0#



#50
Dimethylphthalate
Concen: 2.355 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion:163 Resp: 39256
Ion Ratio Lower Upper
163 100
194 3.8 3.4 5.2
164 11.3 8.5 12.7





#51

2,6-Dinitrotoluene

Concen: 8.499 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.22 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

Instrument :

BNA_F

ClientSampleId :

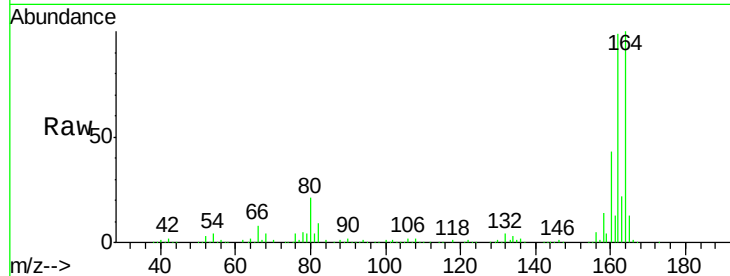
Tot Ion:165 Resp: 30399

Ion Ratio Lower Upper

165 100

63 1.1 33.8 50.8#

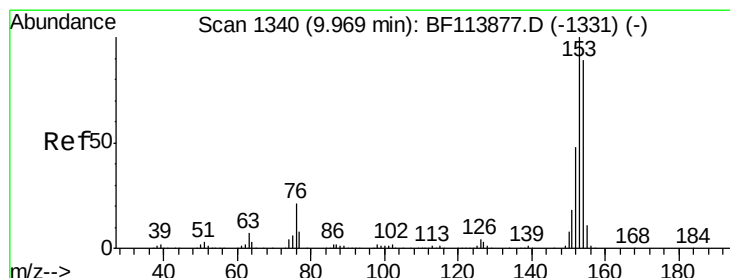
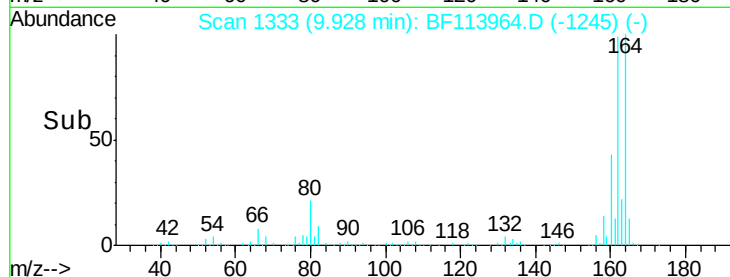
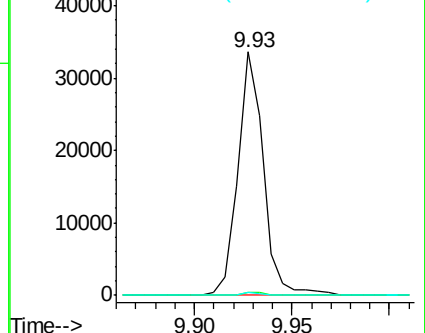
89 1.4 38.2 57.2#



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: 0.066 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.04 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

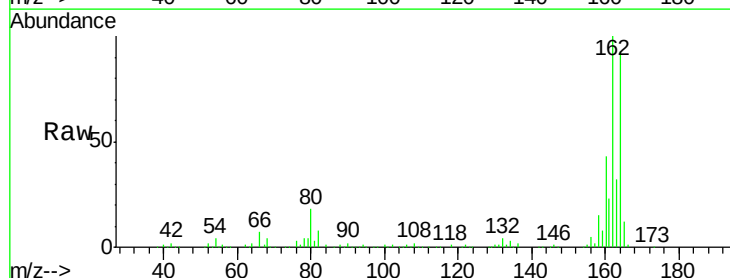
Tgt Ion:154 Resp: 876

Ion Ratio Lower Upper

154 100

153 0.0 87.2 130.8#

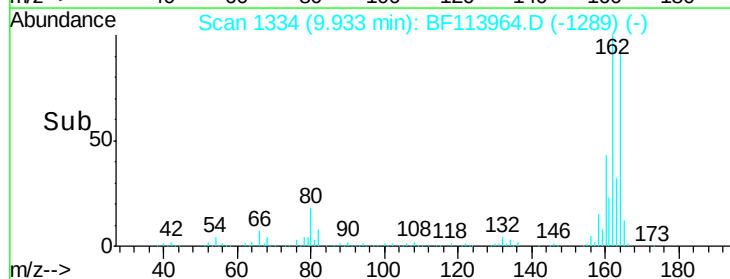
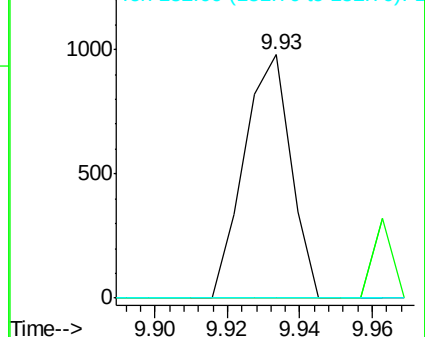
152 0.0 42.3 63.5#

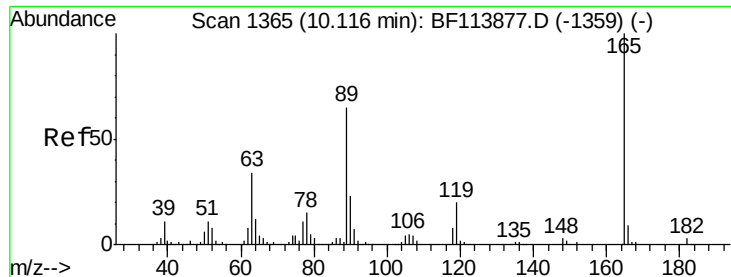


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

2,4-Dinitrotoluene

Concen: 6.732 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.19 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 30394

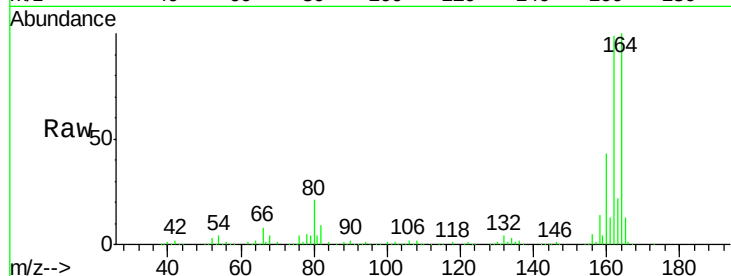
Ion Ratio Lower Upper

165 100

63 1.1 27.4 41.0#

89 1.4 51.8 77.6#

182 0.0 2.2 3.2#

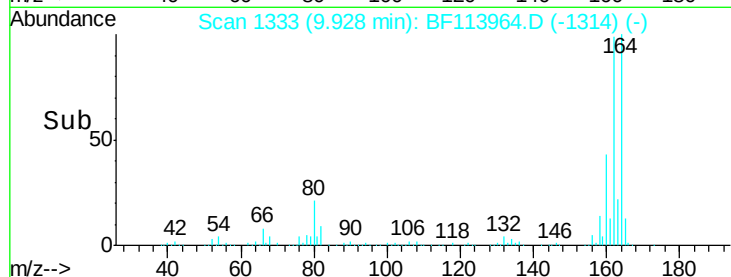


Abundance Ion 165.00 (164.70 to 165.70): E

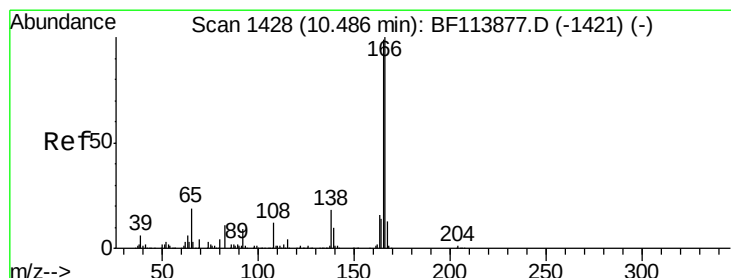
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



Time-->



#58

Fluorene

Concen: 0.960 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.23 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

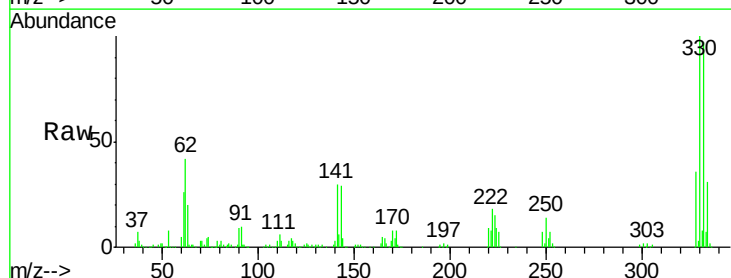
Tgt Ion:166 Resp: 14345

Ion Ratio Lower Upper

166 100

165 103.3 78.4 117.6

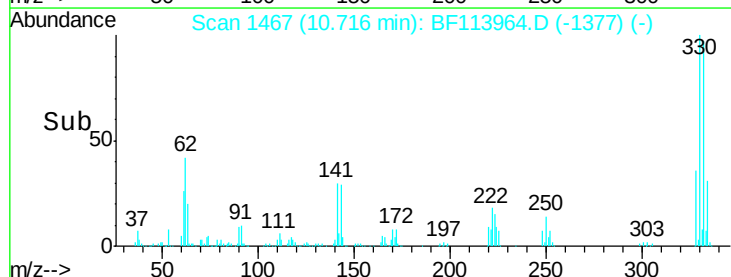
167 34.3 10.9 16.3#



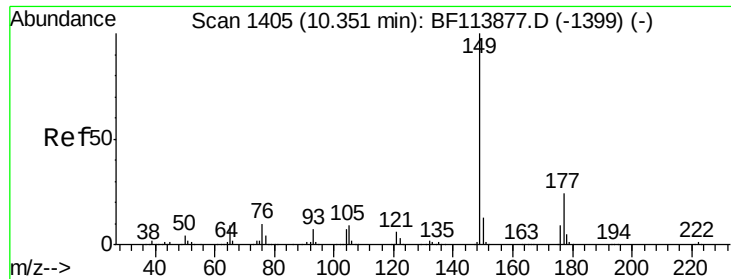
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



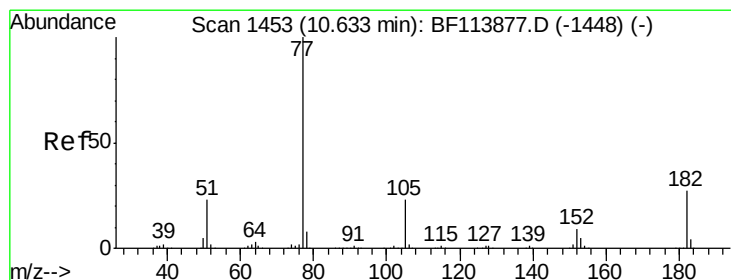
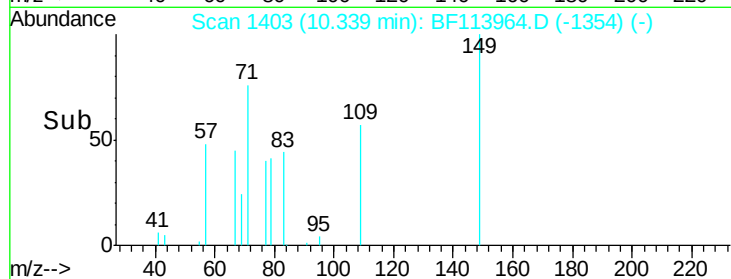
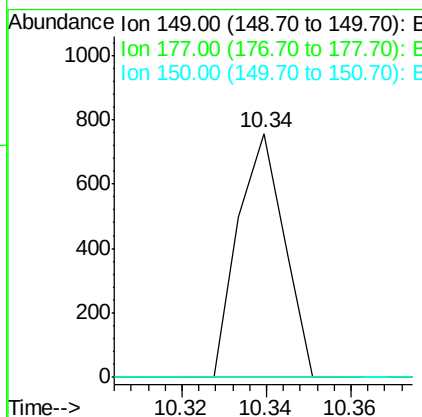
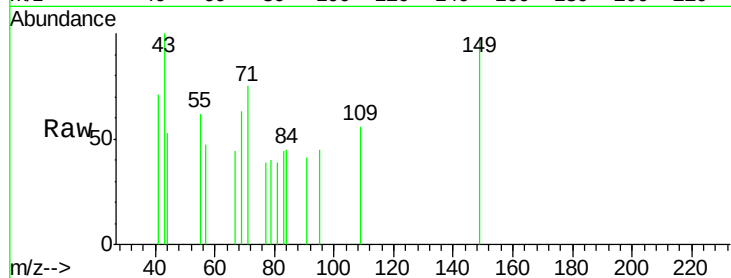
Time-->



#60
 Diethylphthalate
 Concen: 0.036 ng
 RT: 10.34 min Scan# 1403
 Delta R.T. -0.01 min
 Lab File: BF113964.D
 Acq: 24 Apr 2019 16:29

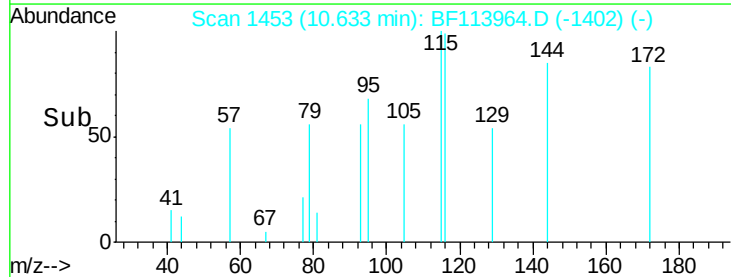
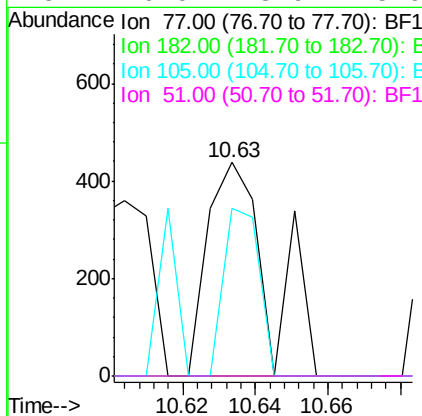
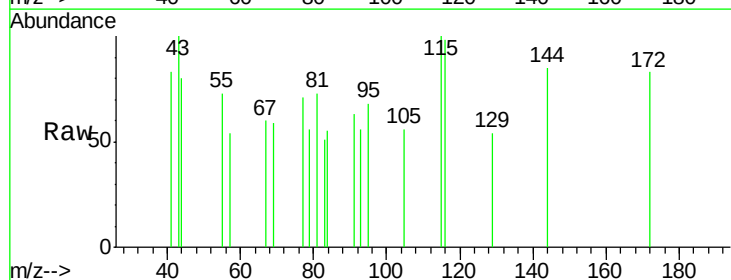
Instrument :
 BNA_F
 ClientSampleId :

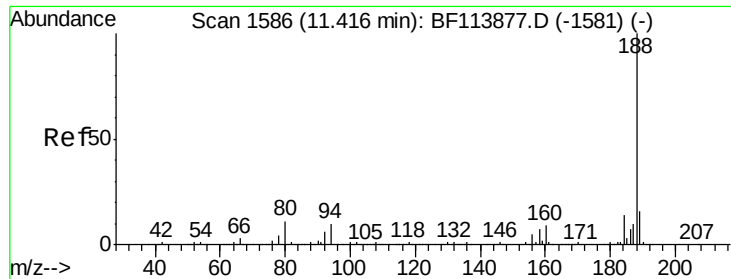
Tot Ion:149 Resp: 573
 Ion Ratio Lower Upper
 149 100
 177 0.0 19.2 28.8#
 150 0.0 10.3 15.5#



#63
 Azobenzene
 Concen: 0.034 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF113964.D
 Acq: 24 Apr 2019 16:29

Tgt Ion: 77 Resp: 524
 Ion Ratio Lower Upper
 77 100
 182 0.0 4.4 44.4#
 105 78.3 2.2 42.2#
 51 0.0 3.9 43.9#

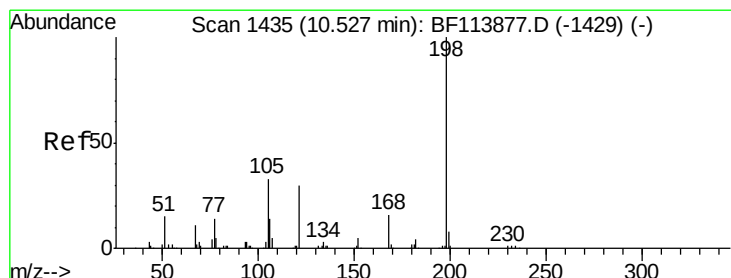
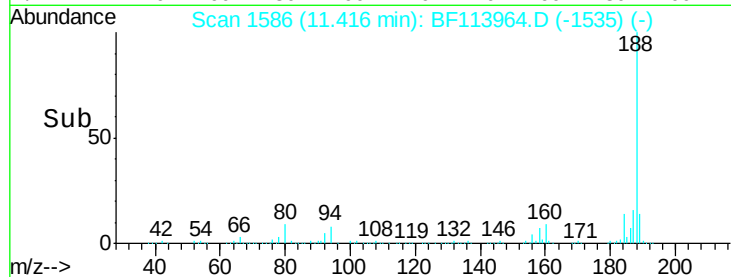
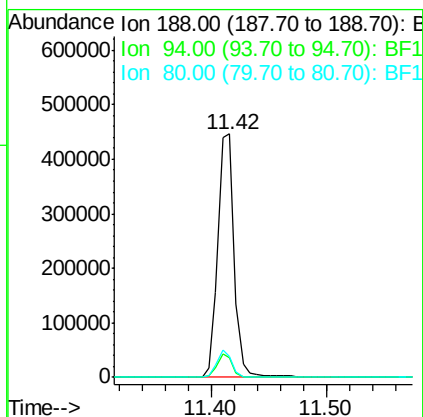
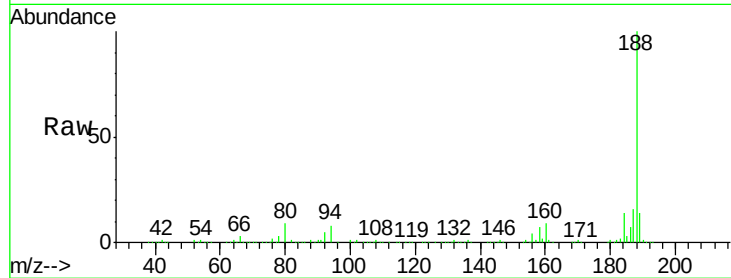




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: BF113964.D
 Acq: 24 Apr 2019 16:29

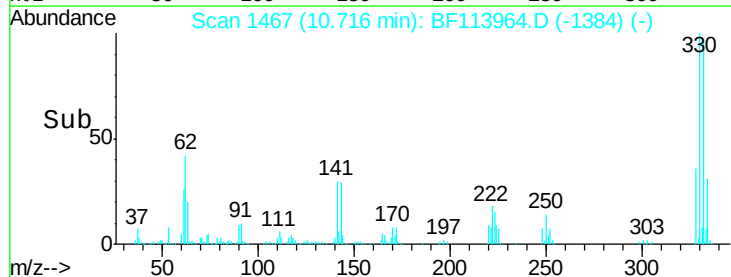
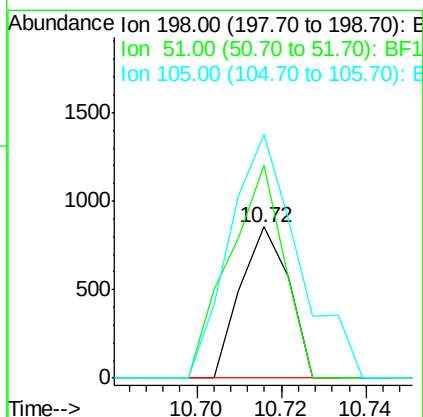
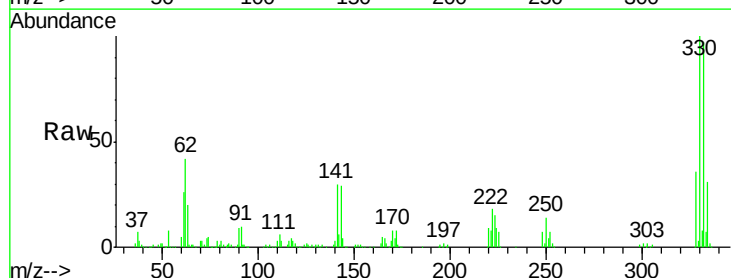
Instrument :
 BNA_F
 ClientSampleId :

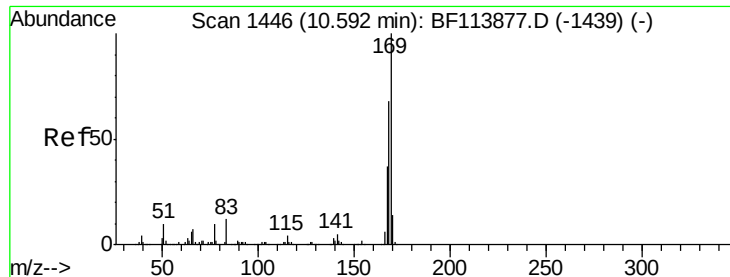
Tot Ion:188 Resp: 440881
 Ion Ratio Lower Upper
 188 100
 94 8.1 8.2 12.4#
 80 8.8 9.0 13.6#



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.593 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.19 min
 Lab File: BF113964.D
 Acq: 24 Apr 2019 16:29

Tgt Ion:198 Resp: 679
 Ion Ratio Lower Upper
 198 100
 51 141.0 11.1 51.1#
 105 161.0 20.7 60.7#

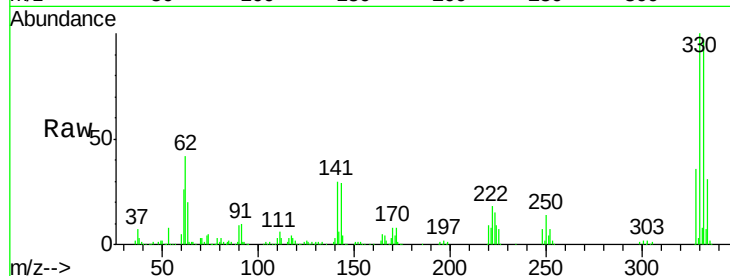




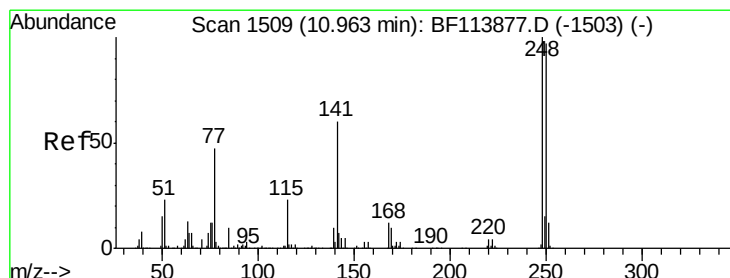
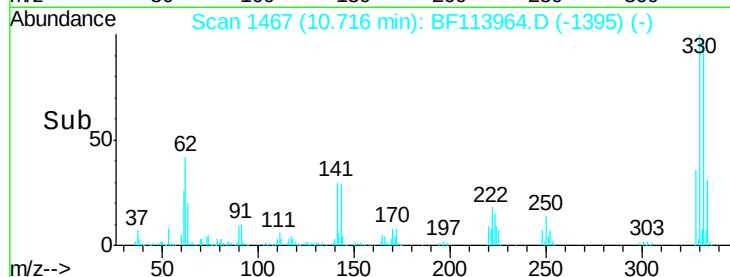
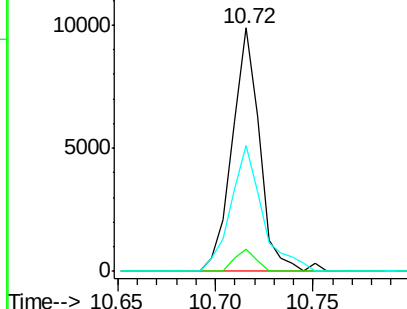
#66
 n-Nitrosodiphenylamine
 Concen: 0.729 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.12 min
 Lab File: BF113964.D
 Acq: 24 Apr 2019 16:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:169 Resp: 9650
 Ion Ratio Lower Upper
 169 100
 168 9.0 54.3 81.5#
 167 51.6 29.4 44.0#

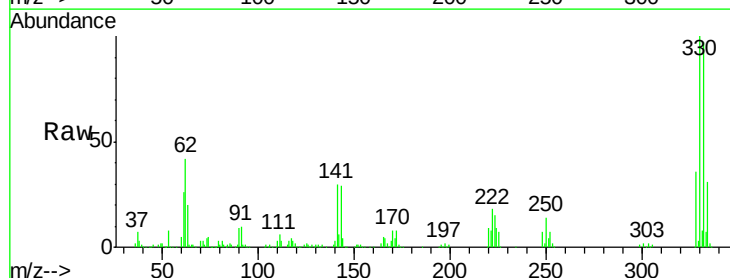


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

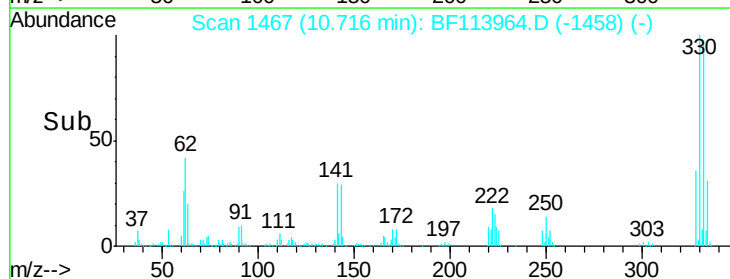
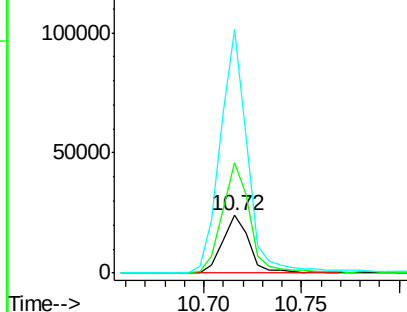


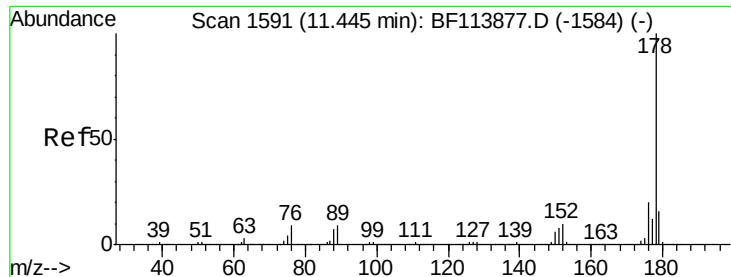
#67
 4-Bromophenyl-phenylether
 Concen: 4.321 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.25 min
 Lab File: BF113964.D
 Acq: 24 Apr 2019 16:29

Tgt Ion:248 Resp: 23014
 Ion Ratio Lower Upper
 248 100
 250 190.2 75.8 113.6#
 141 420.8 50.2 75.4#



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: 0.016 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

Instrument :

BNA_F

ClientSampleId :

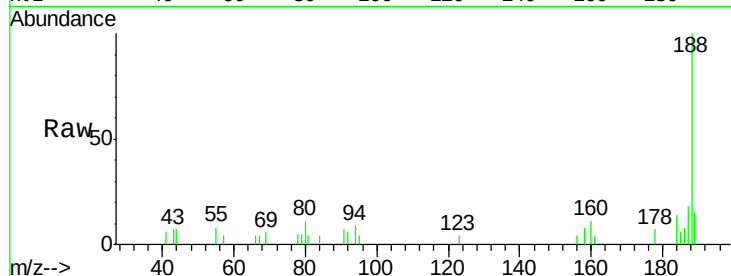
Tot Ion:178 Resp: 357

Ion Ratio Lower Upper

178 100

176 0.0 16.1 24.1#

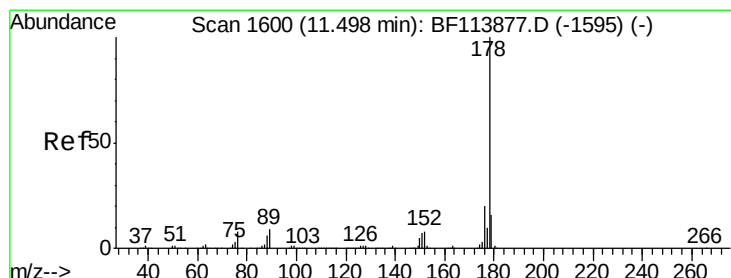
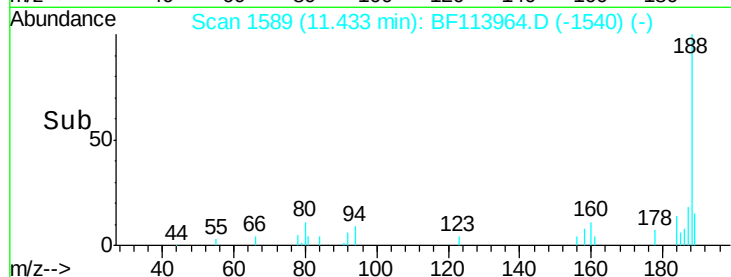
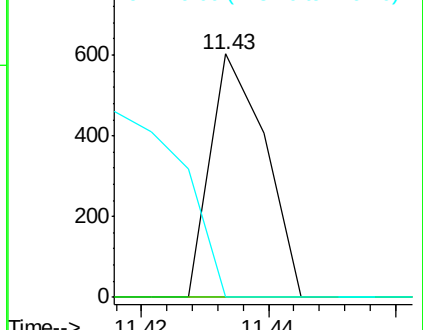
179 0.0 12.8 19.2#



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



#72

Anthracene

Concen: 0.022 ng

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

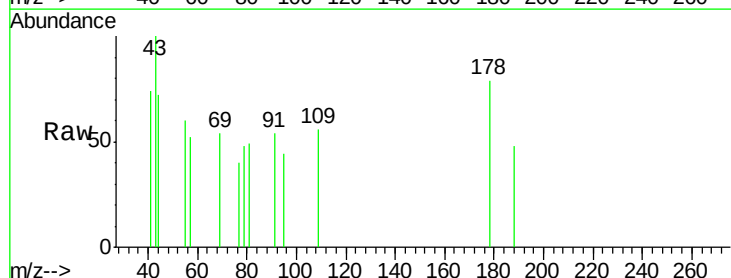
Tgt Ion:178 Resp: 491

Ion Ratio Lower Upper

178 100

176 0.0 15.7 23.5#

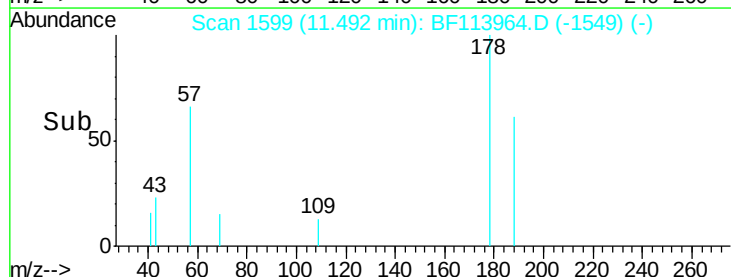
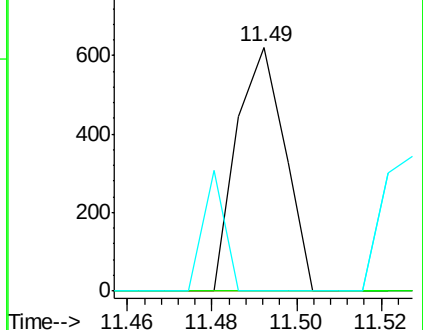
179 0.0 13.0 19.4#

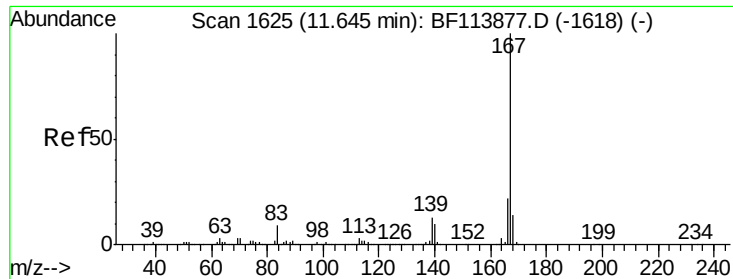


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 0.006 ng

RT: 11.65 min Scan# 1625

Delta R.T. 0.00 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

Instrument :

BNA_F

ClientSampleId :

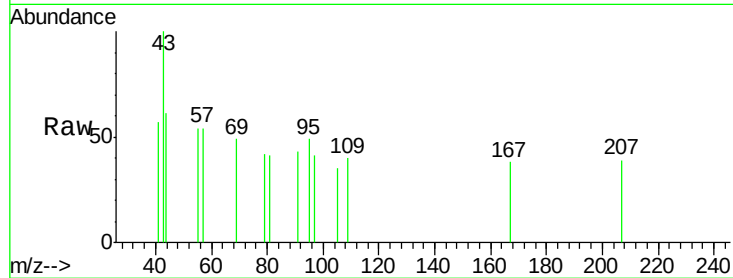
Tot Ion:167 Resp: 119

Ion Ratio Lower Upper

167 100

166 0.0 17.7 26.5#

139 0.0 10.0 15.0#



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

11.65

400

300

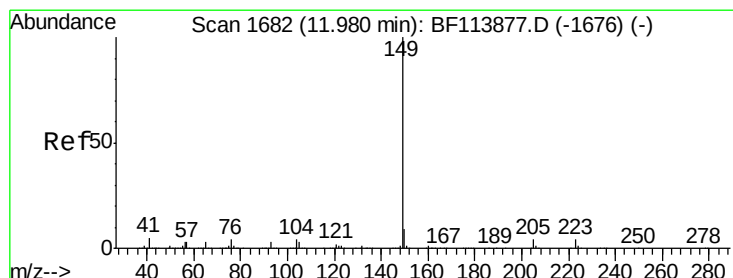
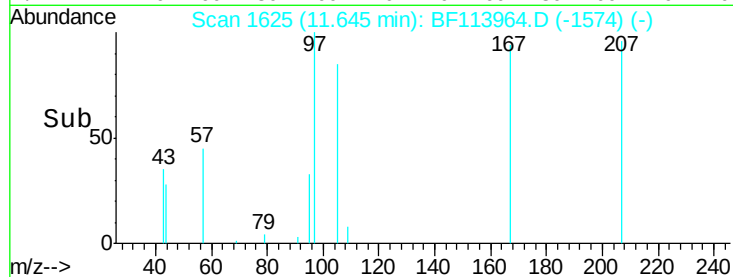
200

100

0

11.64 11.66

Time-->



#74

Di-n-butylphthalate

Concen: 0.038 ng

RT: 11.97 min Scan# 1680

Delta R.T. -0.01 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

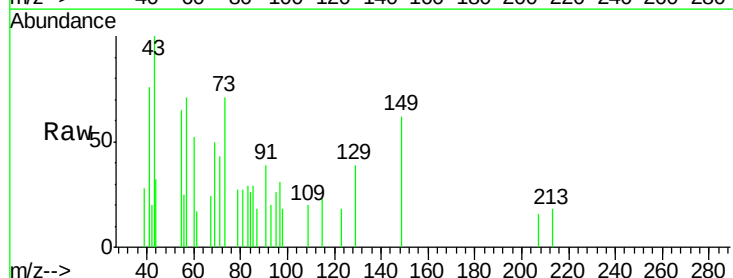
Tgt Ion:149 Resp: 895

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.8#

104 0.0 3.8 5.8#



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

11.97

1500

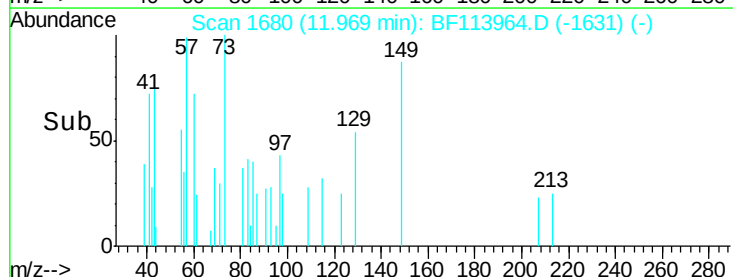
1000

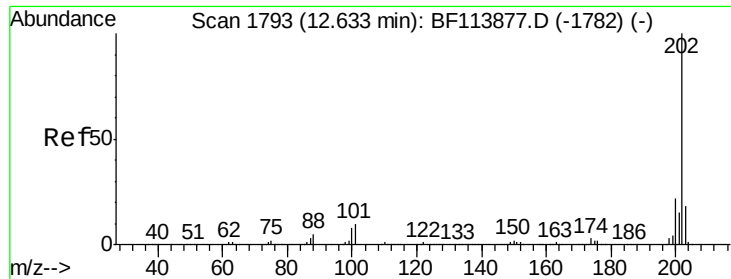
500

0

11.96 11.98

Time-->

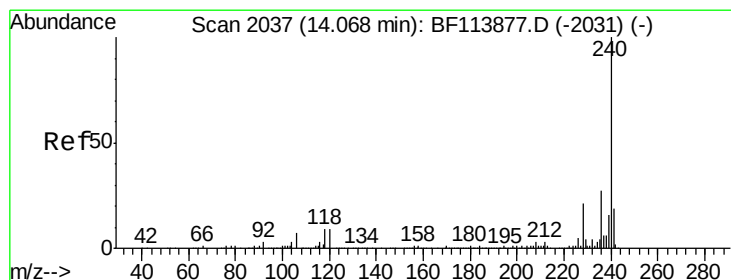
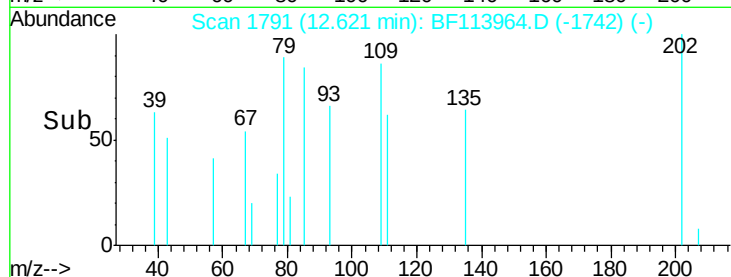
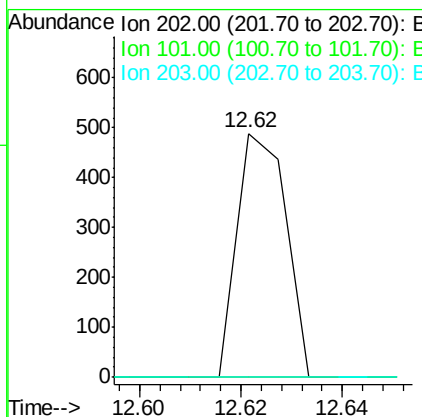
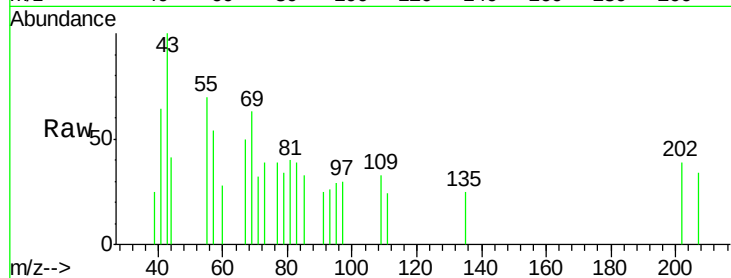




#75
Fluoranthene
Concen: 0.014 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

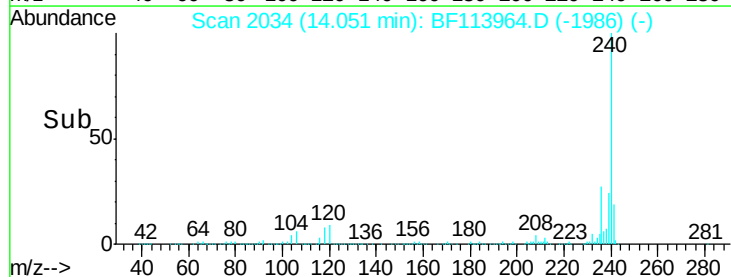
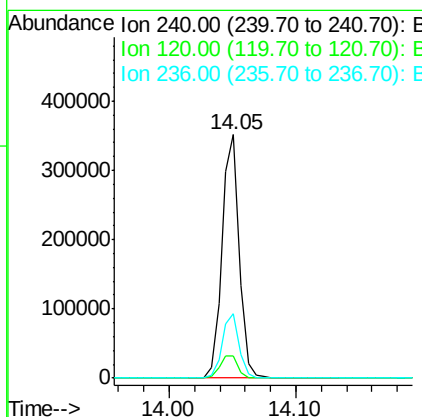
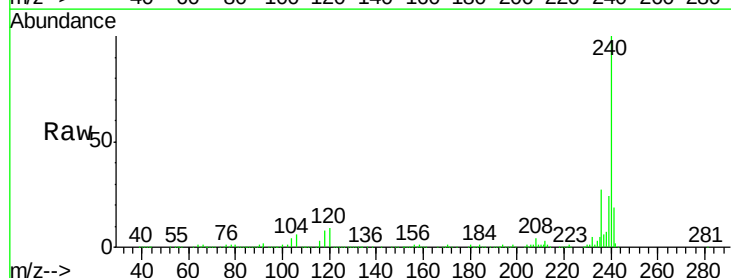
Instrument :
BNA_F
ClientSampled :

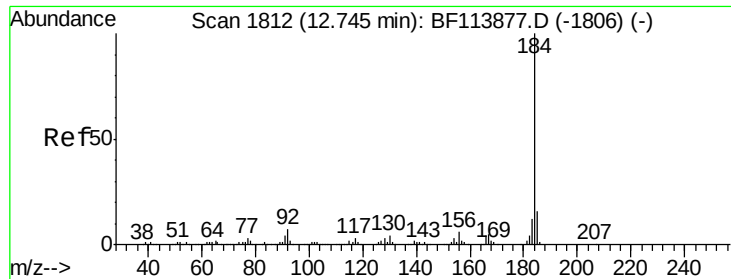
Tot Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	32.9
203	0.0	0.0	38.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.2	9.3	13.9#
236	26.6	21.2	31.8





#77

Benzidine

Concen: 1.760 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.25 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

Instrument :

BNA_F

ClientSampleId :

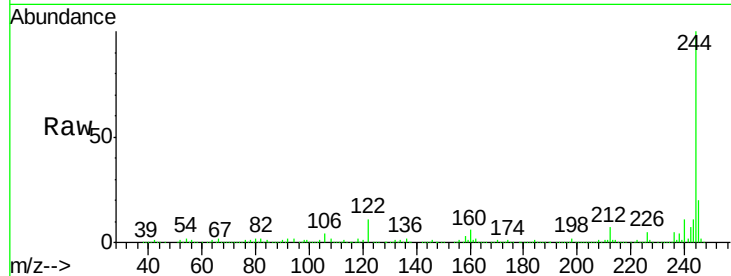
Tot Ion:184 Resp: 17442

Ion Ratio Lower Upper

184 100

185 17.8 13.0 19.6

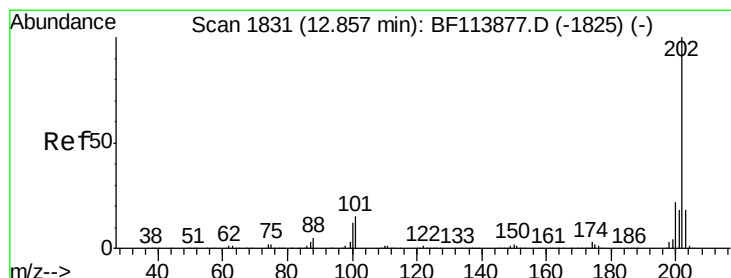
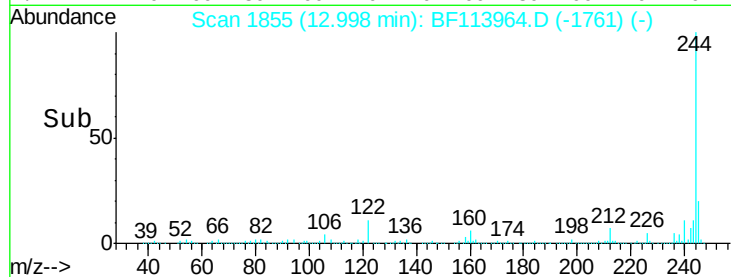
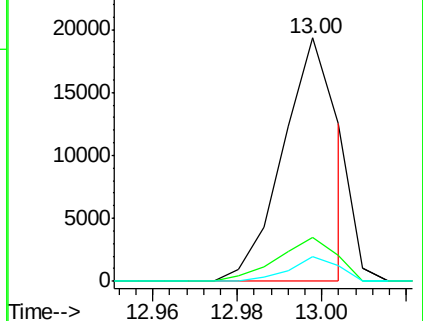
183 10.3 9.4 14.0



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: 0.012 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

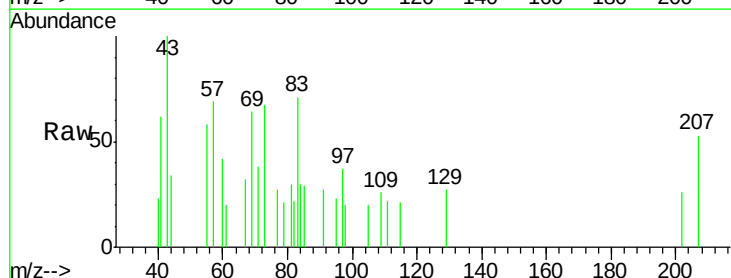
Tgt Ion:202 Resp: 274

Ion Ratio Lower Upper

202 100

200 0.0 17.7 26.5#

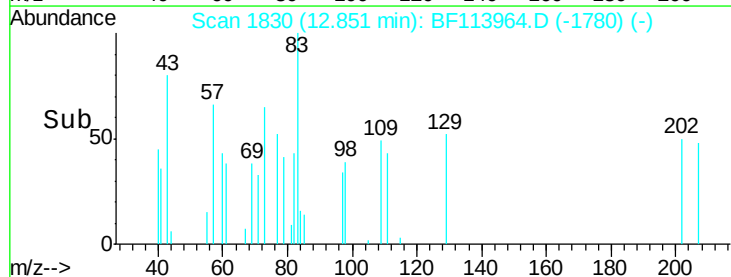
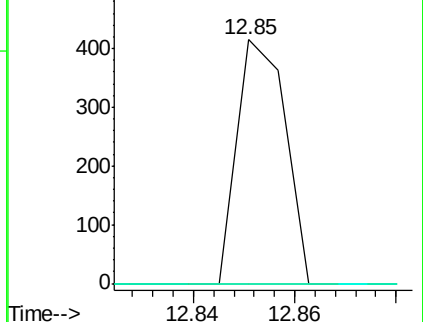
203 0.0 15.0 22.6#

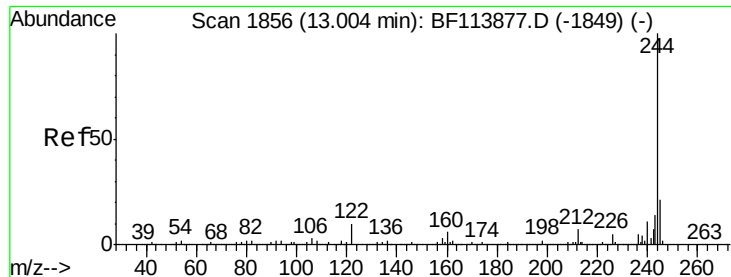


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 97.971 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

Instrument :

BNA_F

ClientSampleId :

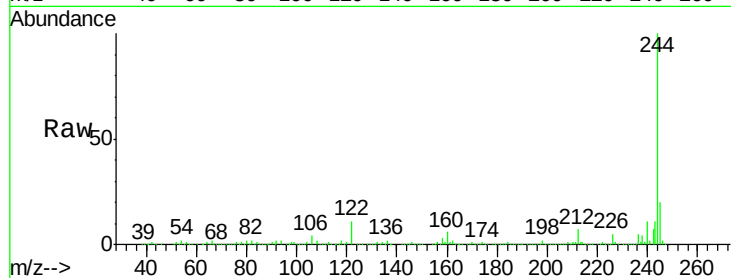
Tot Ion:244 Resp: 1589165

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

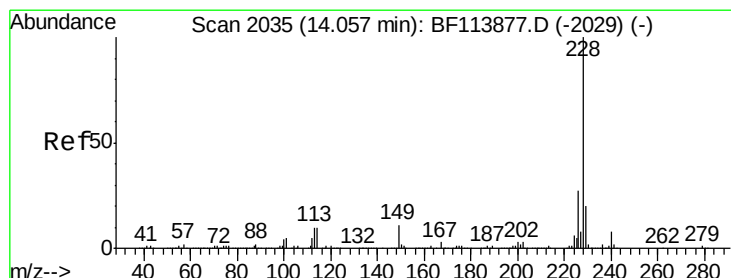
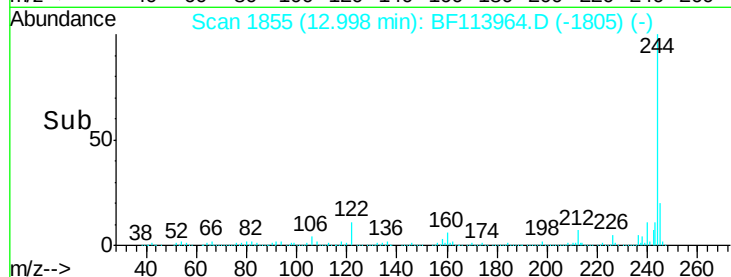
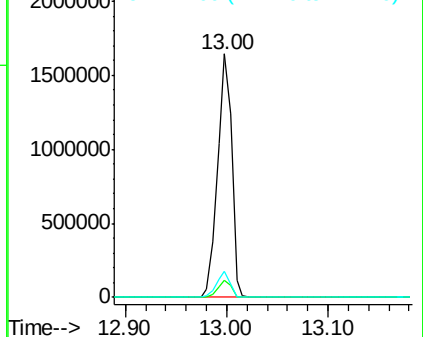
122 10.9 7.6 11.4



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: 0.051 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

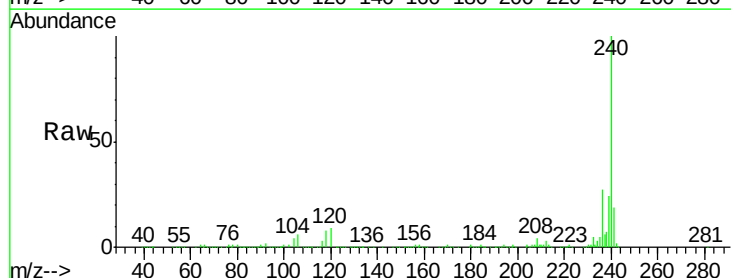
Tgt Ion:228 Resp: 996

Ion Ratio Lower Upper

228 100

226 0.0 22.2 33.2#

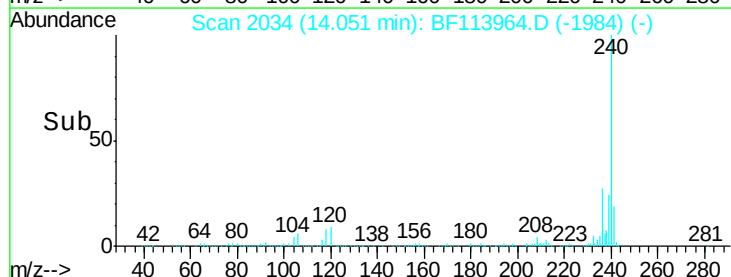
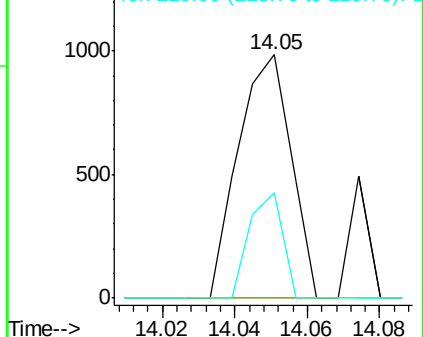
229 43.4 16.0 24.0#

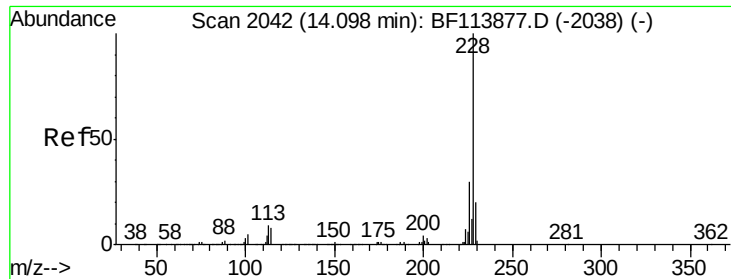


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 0.009 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.02 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

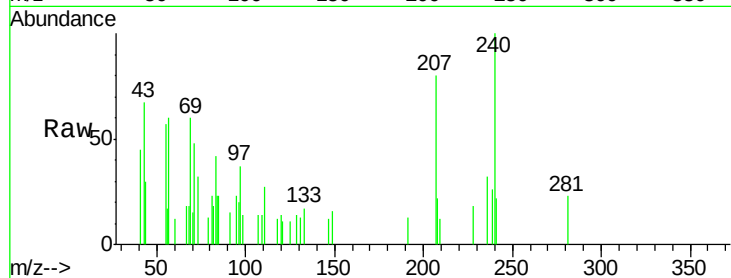
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 174

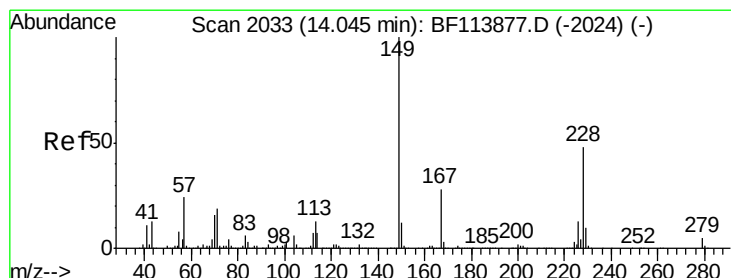
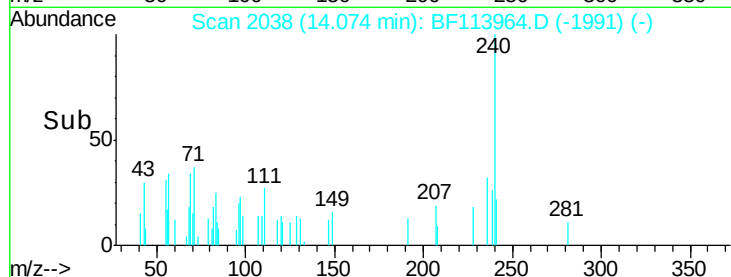
Ion	Ratio	Lower	Upper
228	100		
226	0.0	25.2	37.8#
229	0.0	16.7	25.1#



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: 0.094 ng

RT: 14.03 min Scan# 2031

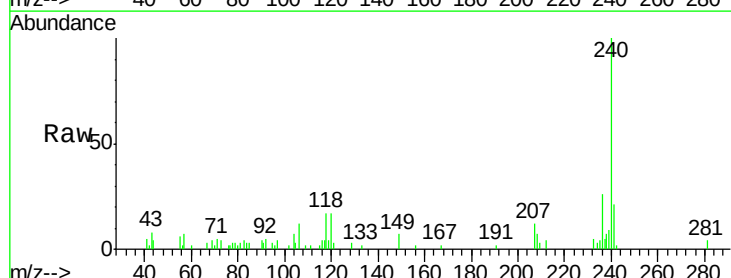
Delta R.T. -0.01 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

Tgt Ion:149 Resp: 1091

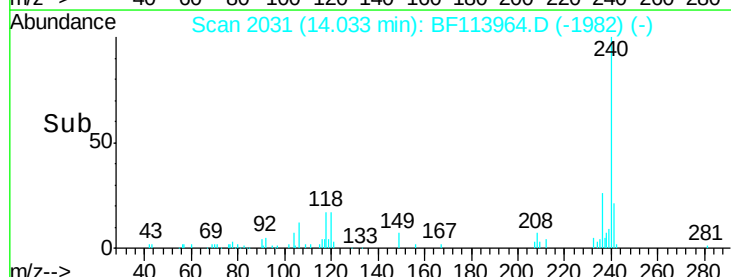
Ion	Ratio	Lower	Upper
149	100		
167	32.8	22.9	34.3
279	0.0	4.2	6.2#

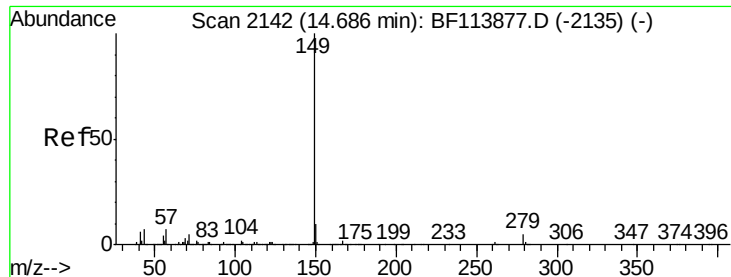


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

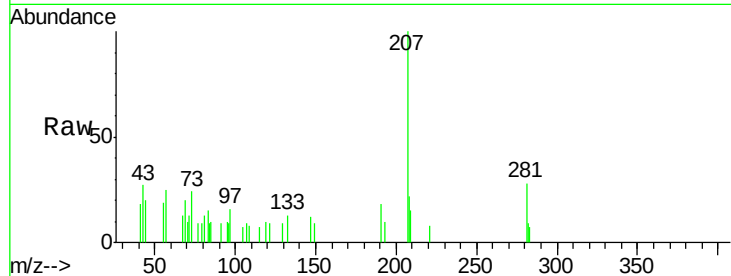




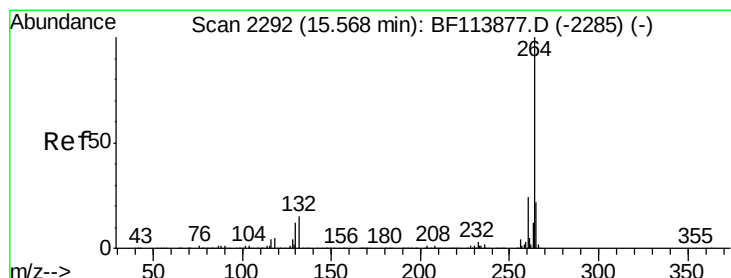
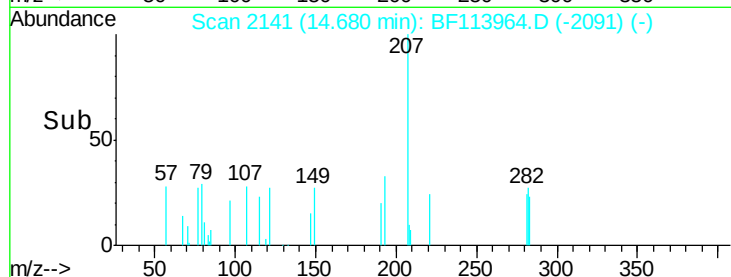
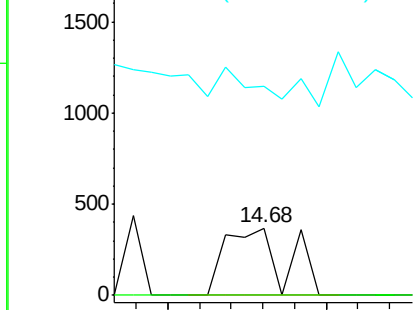
#85
Di-n-octyl phthalate
Concen: 0.027 ng
RT: 14.68 min Scan# 2141
Delta R.T. -0.01 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.3	1.9#
43	0.0	6.6	10.0#

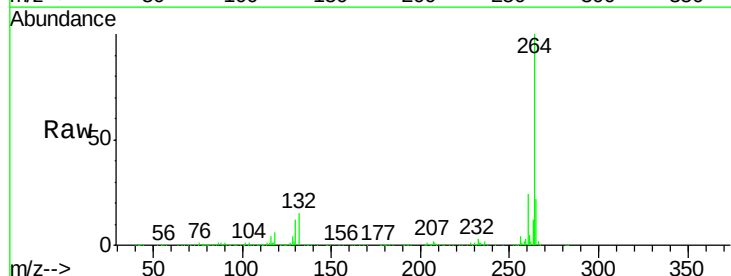


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

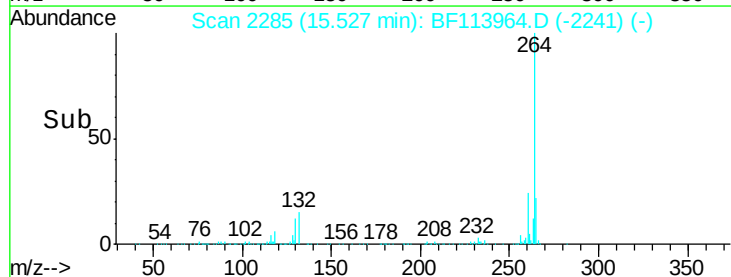
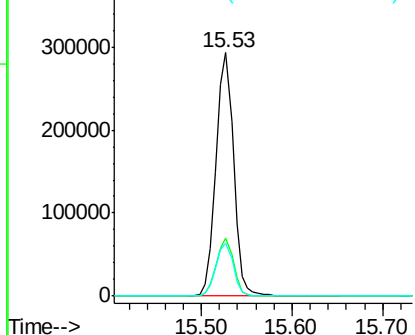


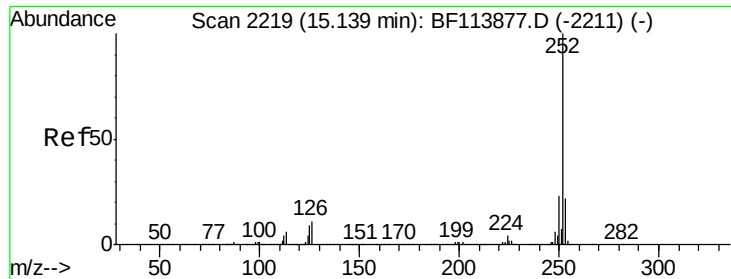
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. -0.04 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	21.7	17.3	25.9



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

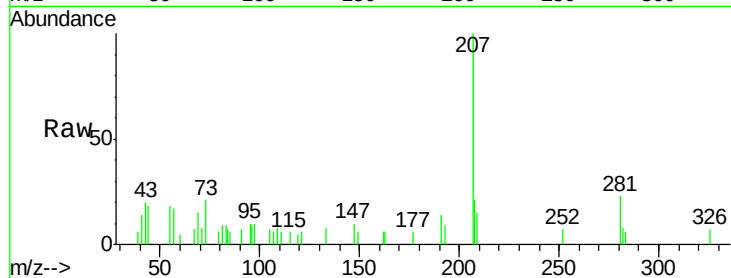




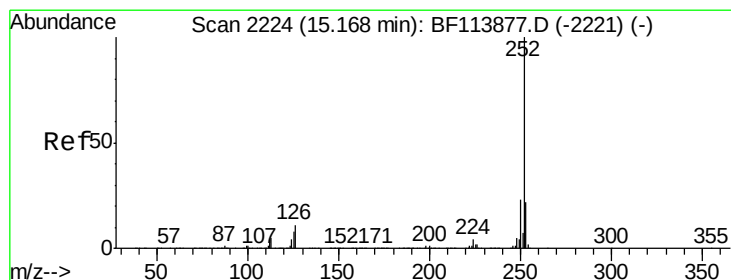
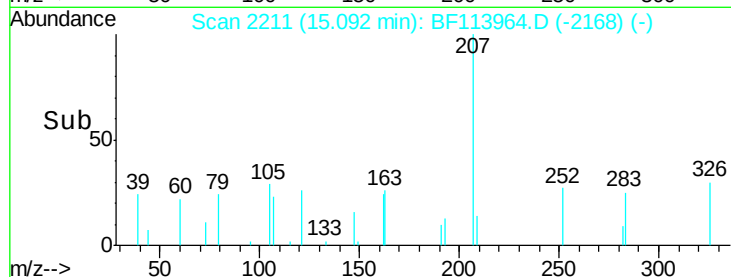
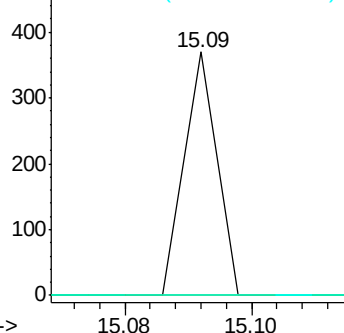
#88
Benzo(b)fluoranthene
Concen: 0.005 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.05 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 131
Ion Ratio Lower Upper
252 100
253 0.0 17.8 26.6#
125 0.0 7.0 10.6#

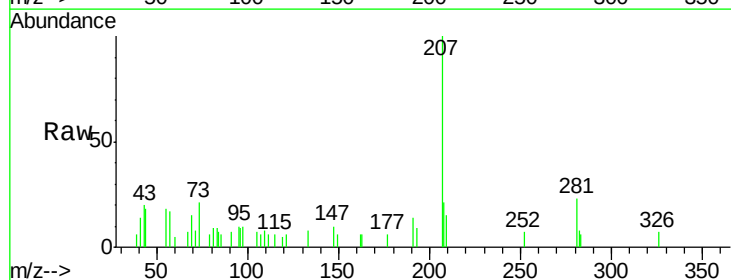


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

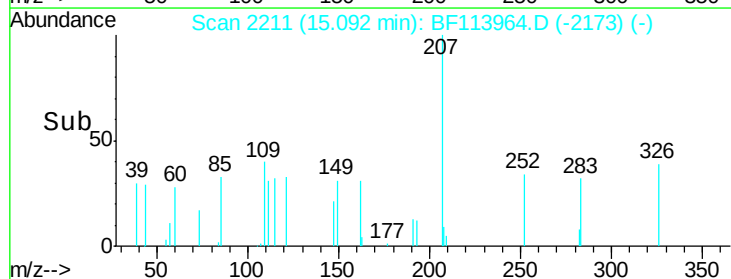
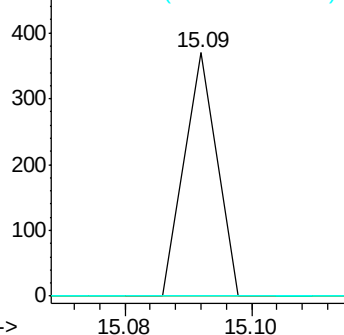


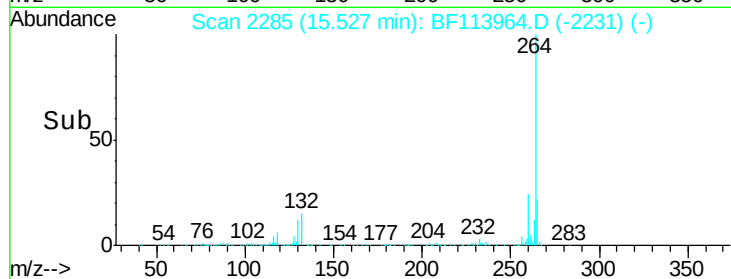
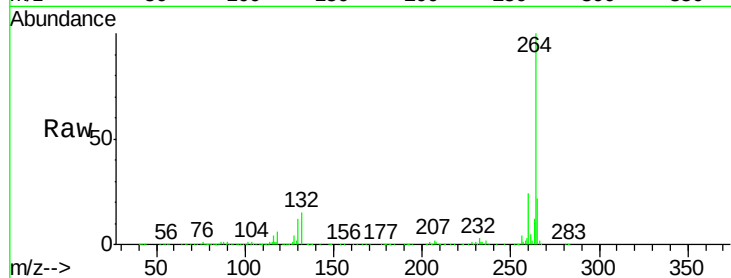
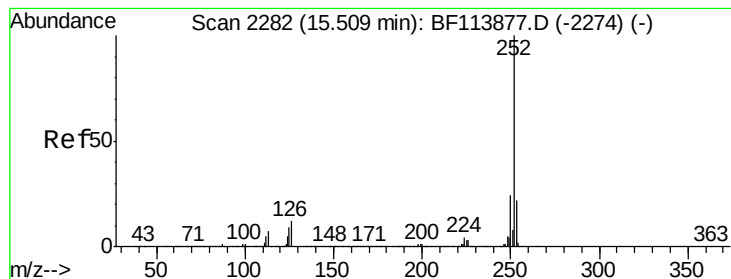
#89
Benzo(k)fluoranthene
Concen: 0.006 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.08 min
Lab File: BF113964.D
Acq: 24 Apr 2019 16:29

Tgt Ion:252 Resp: 131
Ion Ratio Lower Upper
252 100
253 0.0 18.2 27.2#
125 0.0 7.4 11.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 0.056 ng

RT: 15.53 min Scan# 2285

Delta R.T. 0.02 min

Lab File: BF113964.D

Acq: 24 Apr 2019 16:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 1208

Ion Ratio Lower Upper

252 100

253 44.9 17.5 26.3#

125 33.2 8.5 12.7#

