

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041619\
 Data File : BF113801.D
 Acq On : 16 Apr 2019 18:53
 Operator : JU/SJ
 Sample : K2411-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 17 01:07:10 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

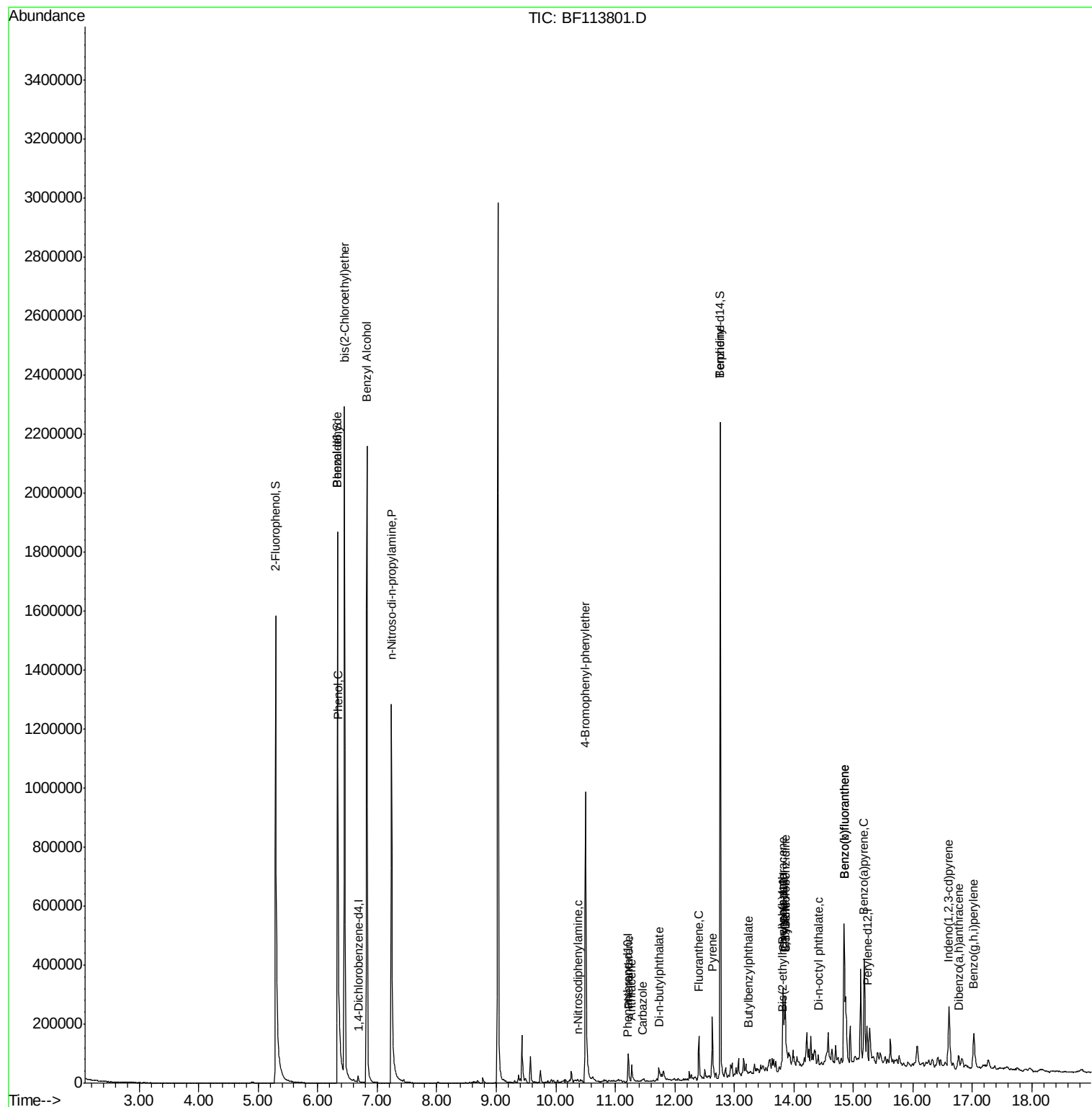
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	4977	20.00	ng	0.00
21) Naphthalene-d8	0.00	136	0	0.00	ng	-7.97
39) Acenaphthene-d10	0.00	164	0	0.00	ng	-9.72
64) Phenanthrene-d10	11.20	188	354	20.00	ng	0.00
76) Chrysene-d12	13.83	240	693	20.00	ng	-0.02
87) Perylene-d12	15.24	264	1045	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	731322	2505.67	ng	0.00
7) Phenol-d6	6.33	99	972903	2704.55	ng	0.00
23) Nitrobenzene-d5	7.24	82	555163	0.00	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	196826	0.00	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	1051719	0.00	ng	-0.02
79) Terphenyl-d14	12.76	244	846510	24870.24	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.33	77	735	3.436	ng	# 1
10) Phenol	6.35	94	1129	2.748	ng	# 1
11) bis(2-Chloroethyl)ether	6.45	93	771	2.412	ng	# 1
15) Benzyl Alcohol	6.83	79	8079	33.215	ng	# 45
19) n-Nitroso-di-n-propylamine	7.24	70	69311	312.460	ng	# 76
66) n-Nitrosodiphenylamine	10.37	169	347	31.930	ng	# 1
67) 4-Bromophenyl-phenylether	10.50	248	10261	2584.467	ng	# 1
71) Phenanthrene	11.22	178	47226	2684.744	ng	100
72) Anthracene	11.27	178	36026	2012.964	ng	97
73) Carbazole	11.46	167	3649	217.996	ng	# 85
74) Di-n-butylphthalate	11.74	149	1917	96.273	ng	# 78
75) Fluoranthene	12.40	202	66011	3501.996	ng	98
77) Benzidine	12.76	184	9370	363.595	ng	# 97
78) Pyrene	12.63	202	106382	2017.501	ng	97
80) Butylbenzylphthalate	13.24	149	117	5.451	ng	# 60
81) Benzo(a)anthracene	13.82	228	113384	2836.301	ng	98
82) 3,3'-Dichlorobenzidine	13.86	252	1572	102.095	ng	# 1
83) Chrysene	13.85	228	105514	2603.716	ng	98
84) Bis(2-ethylhexyl)phthalate	13.80	149	5044	194.364	ng	# 82
85) Di-n-octyl phthalate	14.40	149	1395	33.070	ng	# 77
86) Indeno(1,2,3-cd)pyrene	16.61	276	136051	3636.220	ng	94
88) Benzo(b)fluoranthene	14.84	252	345767	5405.402	ng	99
89) Benzo(k)fluoranthene	14.84	252	345767	6022.889	ng	99
90) Benzo(a)pyrene	15.19	252	191422	3367.673	ng	99
91) Dibenzo(a,h)anthracene	16.77	278	27346	514.459	ng	95
92) Benzo(g,h,i)perylene	17.02	276	109778	2023.384	ng	96

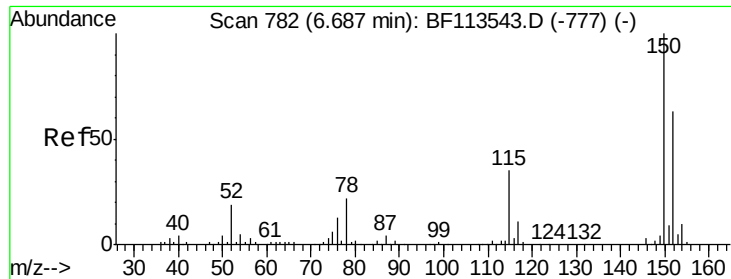
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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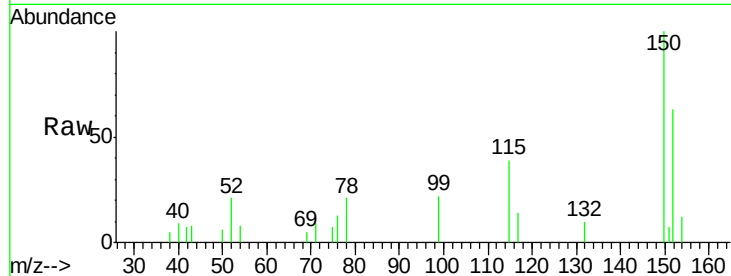


#1

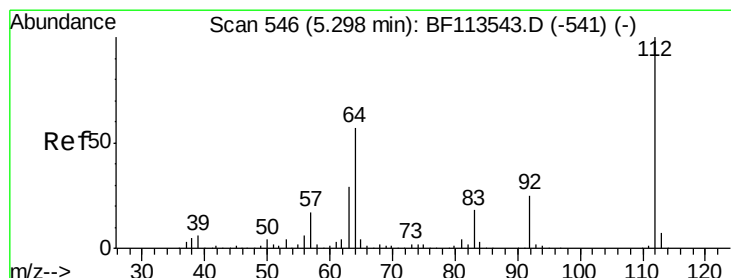
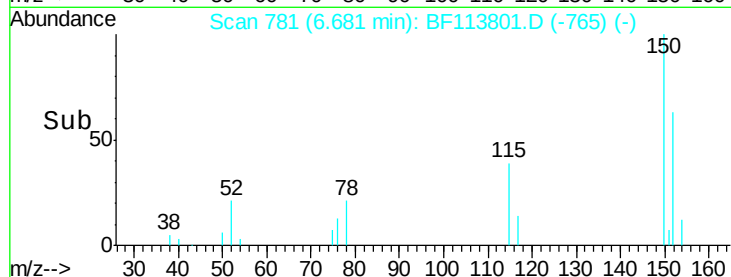
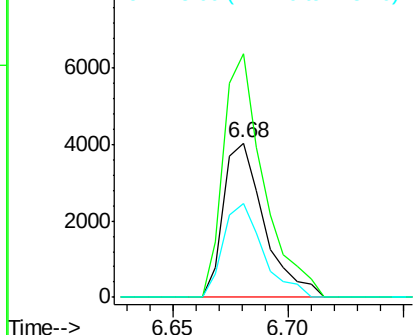
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.01 min
Lab File: BF113801.D
Acq: 16 Apr 2019 18:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 4977
Ion Ratio Lower Upper
152 100
150 158.0 124.7 187.1
115 61.1 46.0 69.0



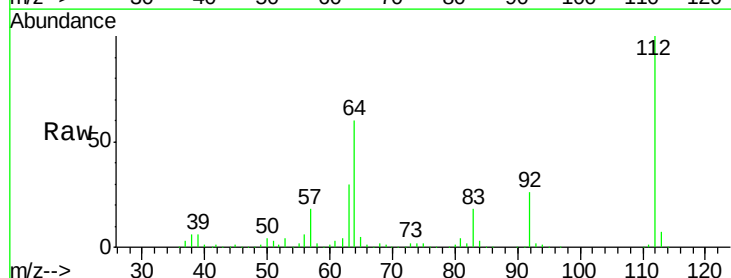
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



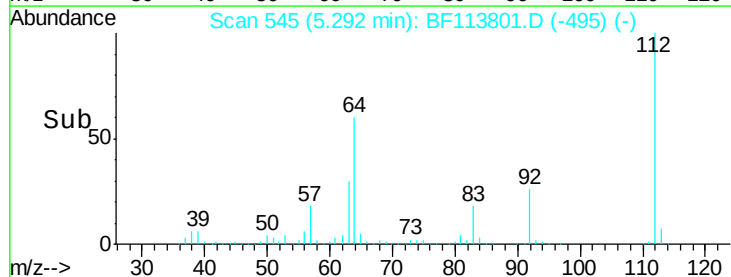
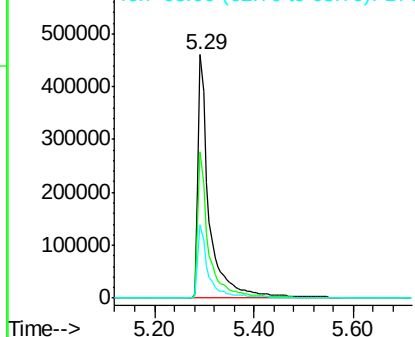
#5

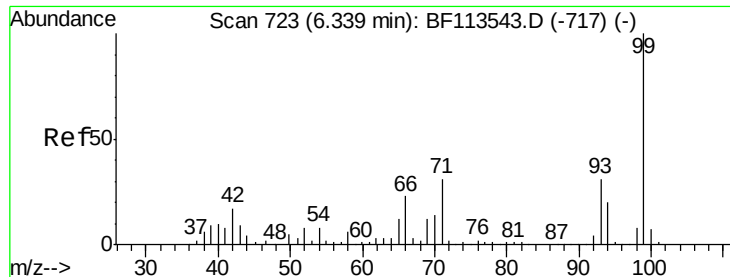
2-Fluorophenol
Concen: 2505.671 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF113801.D
Acq: 16 Apr 2019 18:53

Tgt Ion:112 Resp: 731322
Ion Ratio Lower Upper
112 100
64 60.1 49.2 73.8
63 30.3 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





#7

Phenol-d6

Concen: 2704.555 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113801.D

Acq: 16 Apr 2019 18:53

Instrument :

BNA_F

ClientSampleId :

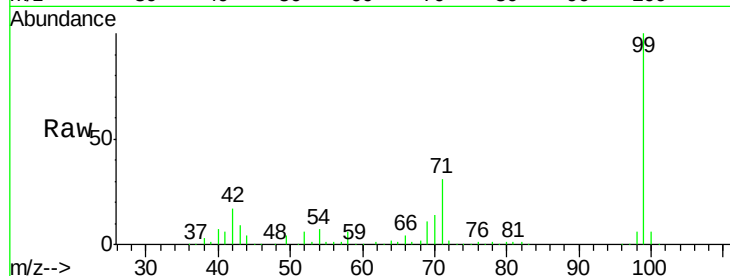
Tot Ion: 99 Resp: 972903

Ion Ratio Lower Upper

99 100

42 17.2 14.8 22.2

71 30.5 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

800000

600000

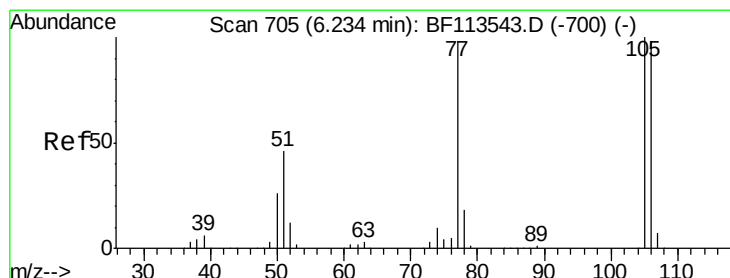
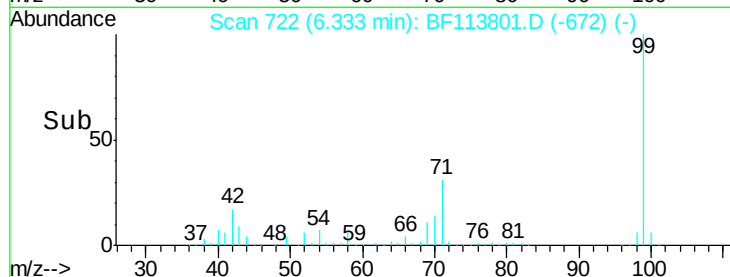
400000

200000

0

6.20 6.40 6.60

Time-->



#9

Benzaldehyde

Concen: 3.436 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.10 min

Lab File: BF113801.D

Acq: 16 Apr 2019 18:53

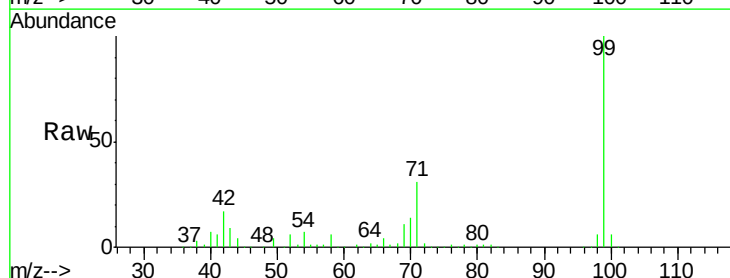
Tgt Ion: 77 Resp: 735

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): E
Ion 106.00 (105.70 to 106.70): E

1000

800

600

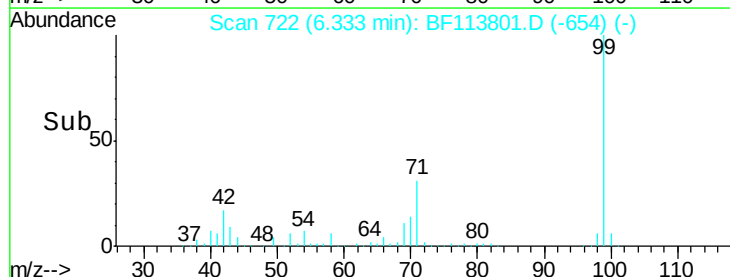
400

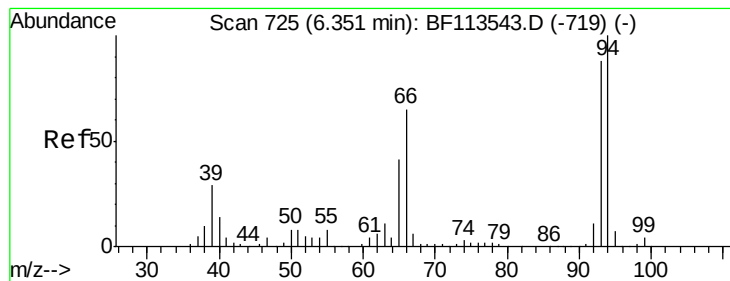
200

0

6.30 6.32 6.34 6.36

Time-->





#10

Phenol

Concen: 2.748 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113801.D

Acq: 16 Apr 2019 18:53

Instrument :

BNA_F

ClientSampleId :

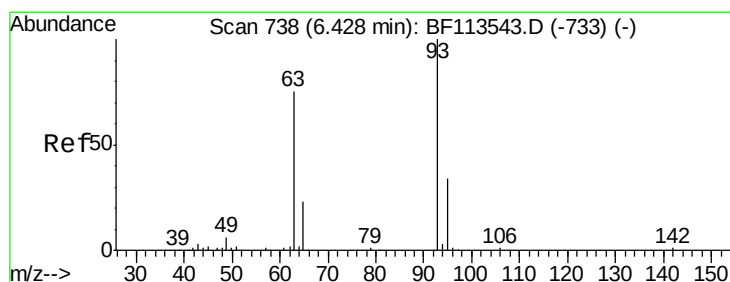
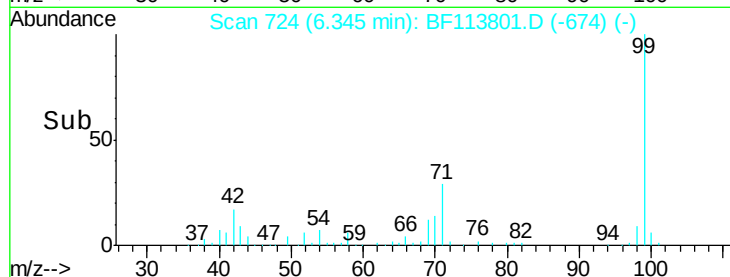
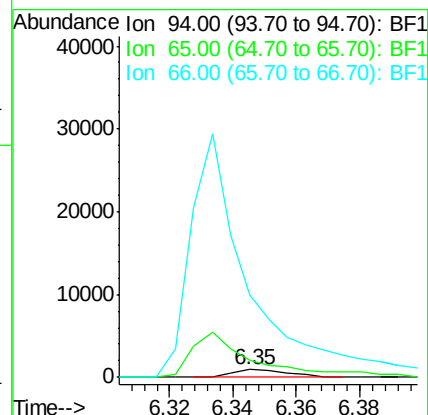
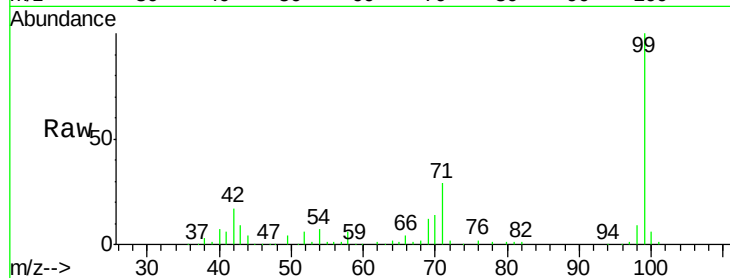
Tot Ion: 94 Resp: 1129

Ion Ratio Lower Upper

94 100

65 205.1 21.4 61.4#

66 1022.1 46.4 86.4#



#11

bis(2-Chloroethyl)ether

Concen: 2.412 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.02 min

Lab File: BF113801.D

Acq: 16 Apr 2019 18:53

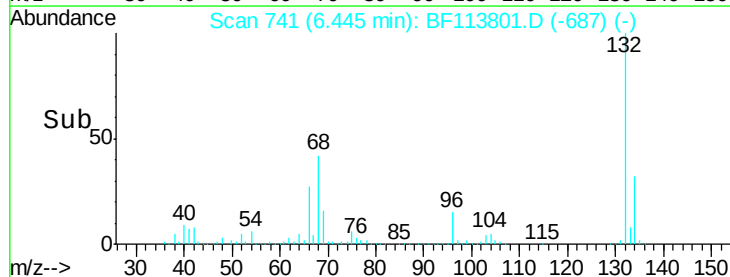
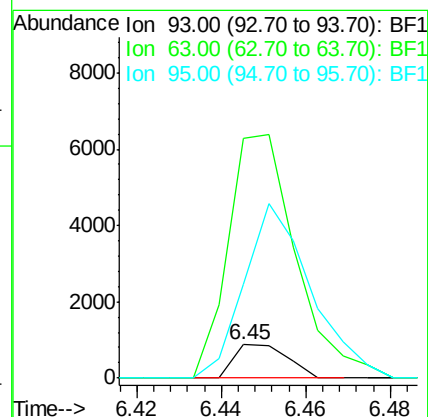
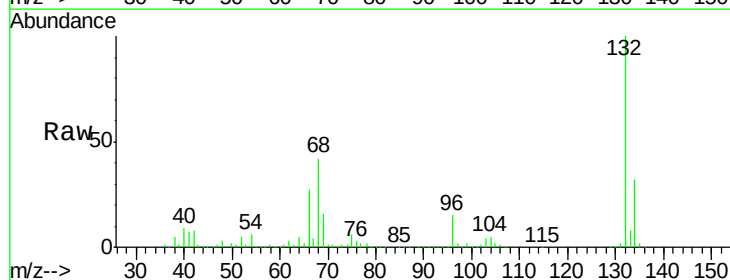
Tgt Ion: 93 Resp: 771

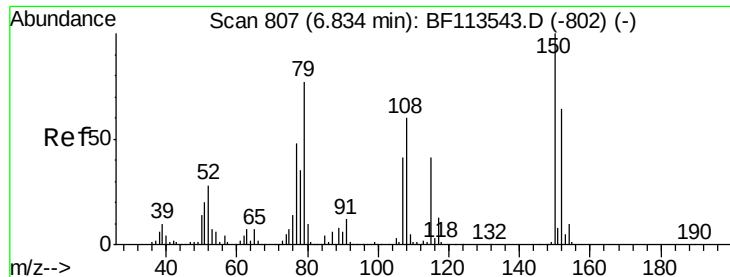
Ion Ratio Lower Upper

93 100

63 715.7 56.1 96.1#

95 279.3 12.8 52.8#

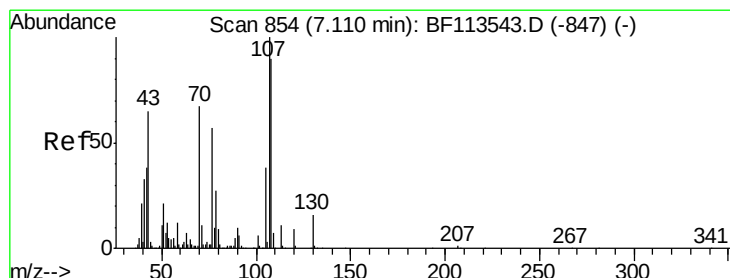
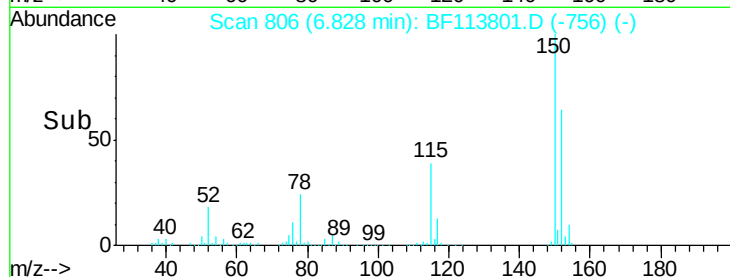
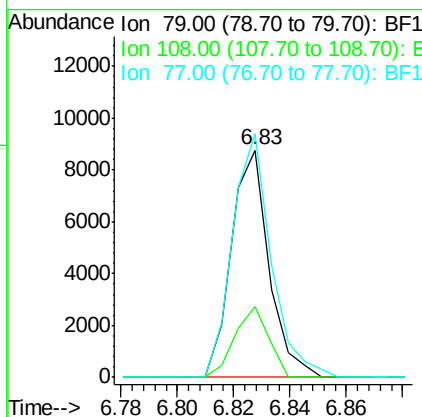
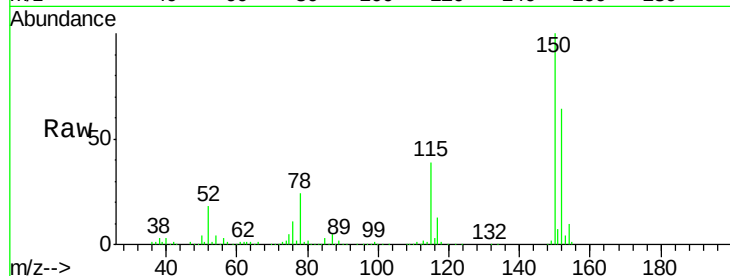




#15
Benzyl Alcohol
Concen: 33.215 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF113801.D
Acq: 16 Apr 2019 18:53

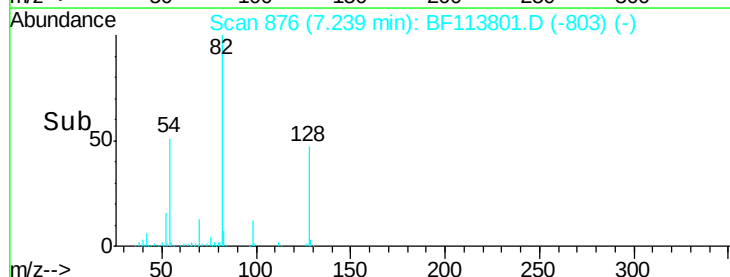
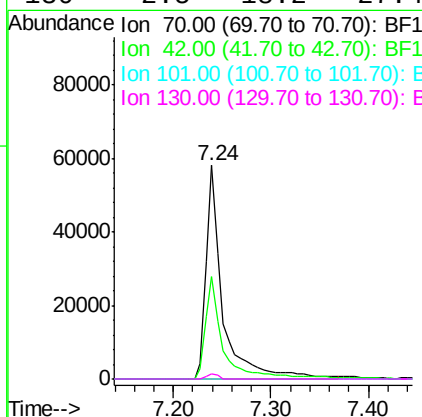
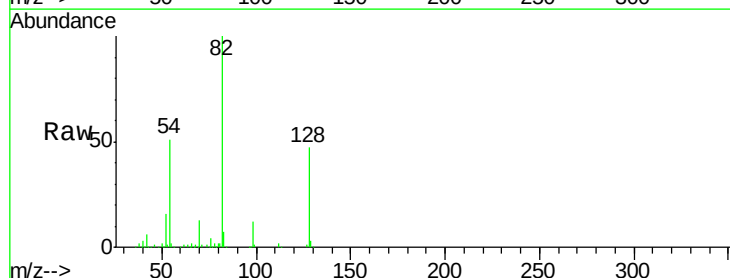
Instrument :
BNA_F
ClientSampleId :

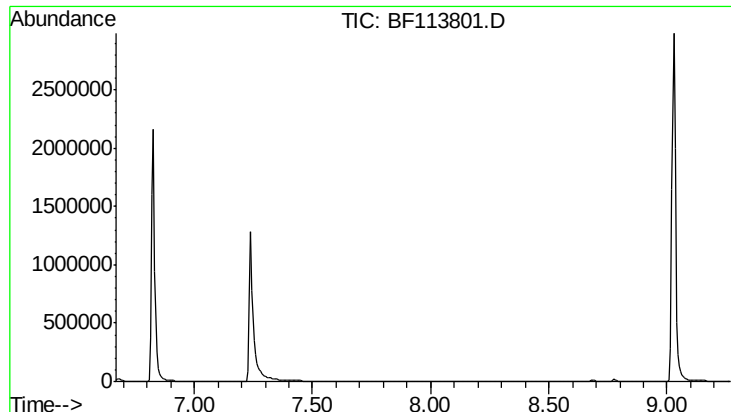
Tot Ion	Ratio	Lower	Upper
79	100		
108	31.3	62.0	93.0#
77	107.3	49.9	74.9#



#19
n-Nitroso-di-n-propylamine
Concen: 312.460 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.13 min
Lab File: BF113801.D
Acq: 16 Apr 2019 18:53

Tgt Ion	Ratio	Lower	Upper
70	100		
42	48.1	48.4	72.6#
101	0.0	7.8	11.8#
130	2.5	18.2	27.4#

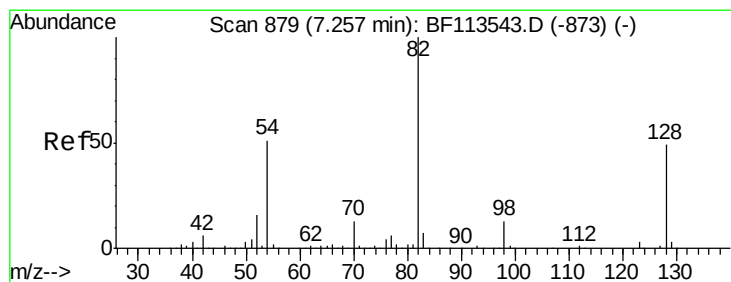
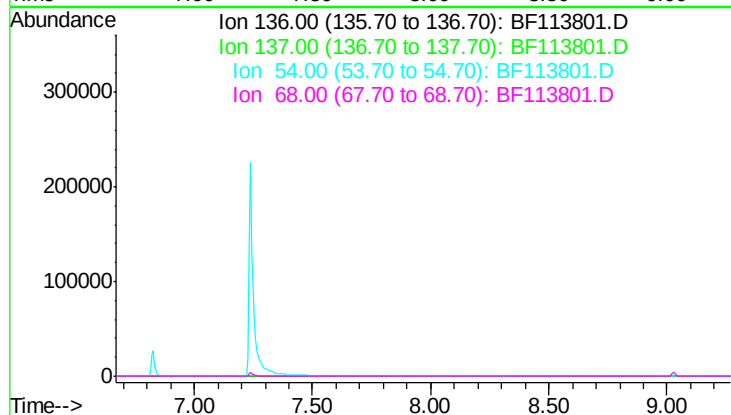




#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 7.97 min
Lab File: BF113801.D
Acq: 16 Apr 2019 18:53

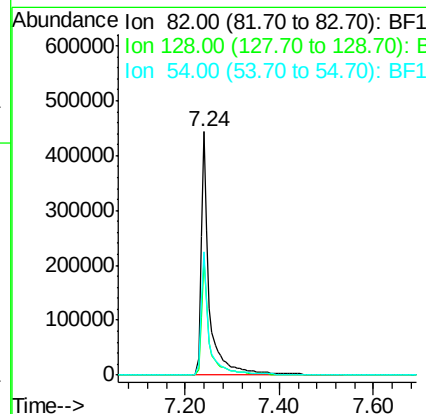
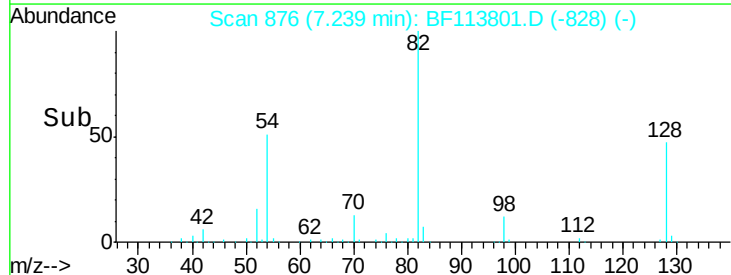
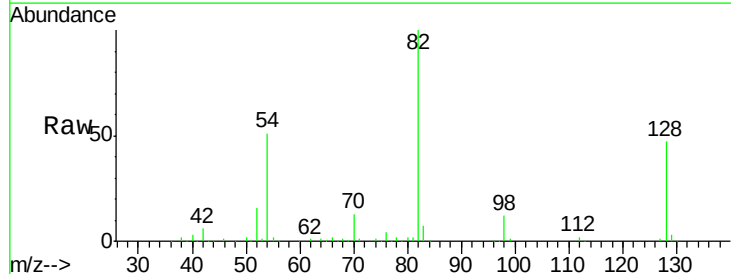
Instrument :
BNA_F
ClientSampleId :

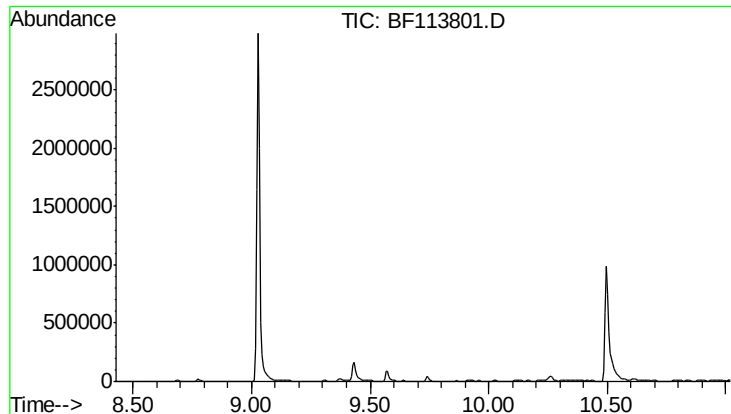
Tot Ion: 136
Sig Exp Ratio
136 100
137 11.1
54 8.8
68 6.0



#23
Nitrobenzene-d5
Concen: 0.000 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.02 min
Lab File: BF113801.D
Acq: 16 Apr 2019 18:53

Tgt Ion: 82 Resp: 555163
Ion Ratio Lower Upper
82 100
128 47.3 36.5 54.7
54 50.9 42.2 63.2





#39

Acenaphthene-d10

Concen: 0.000 ng

Expected RT: 9.72 min

Lab File: BF113801.D

Acq: 16 Apr 2019 18:53

Tot Ion: 164

Sig Exp Ratio

164 100

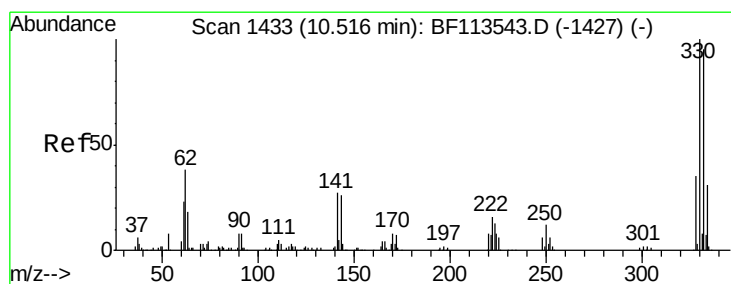
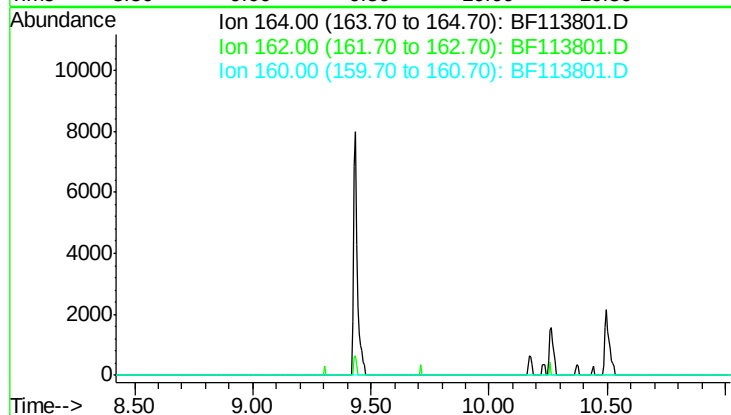
162 102.2

160 45.5

Instrument :

BNA_F

ClientSampleId :



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BF113801.D

Acq: 16 Apr 2019 18:53

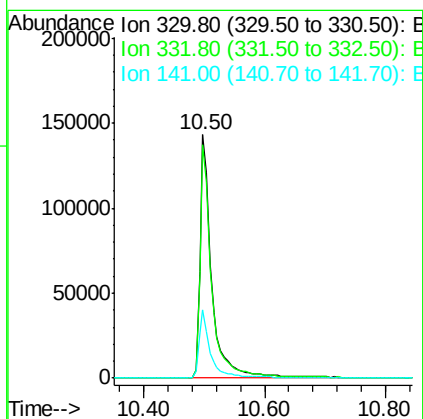
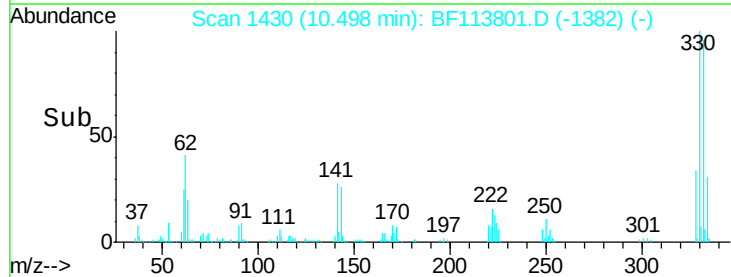
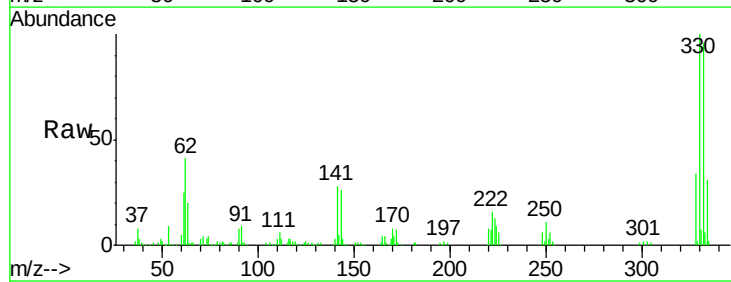
Tgt Ion: 330 Resp: 196826

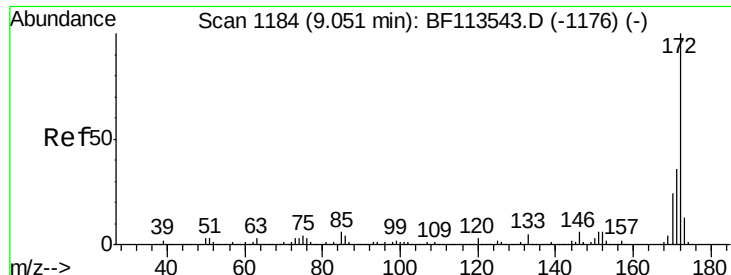
Ion Ratio Lower Upper

330 100

332 95.4 77.8 116.6

141 27.6 22.7 34.1



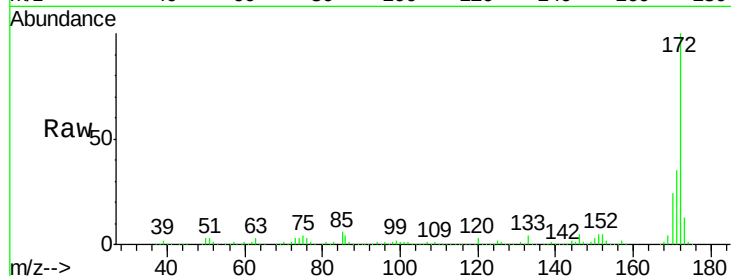


#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.02 min
 Lab File: BF113801.D
 Acq: 16 Apr 2019 18:53

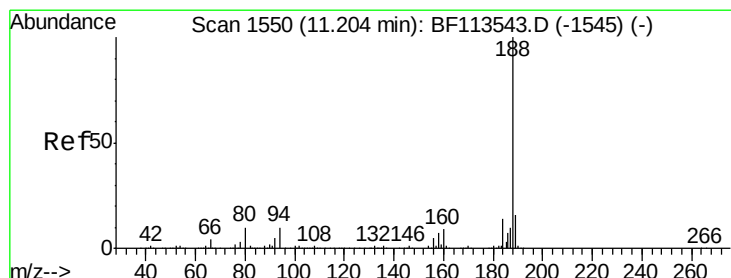
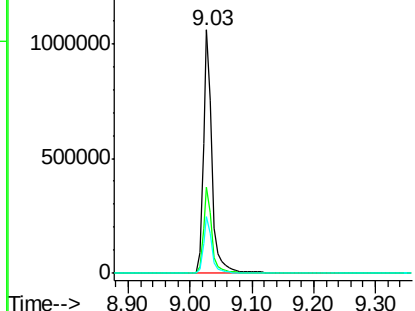
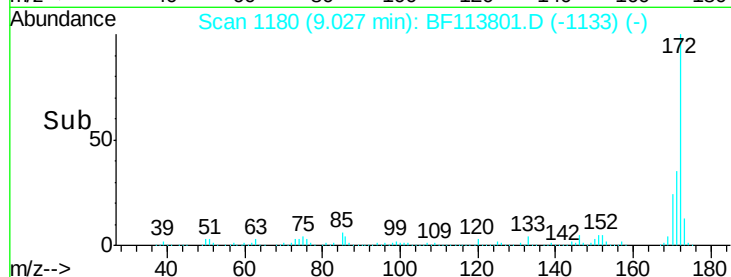
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1051719

Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.0	43.6
170	23.6	19.5	29.3



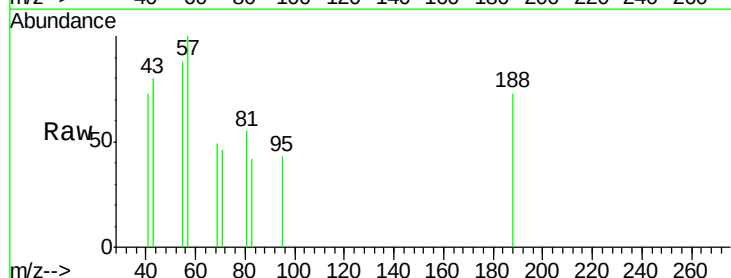
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



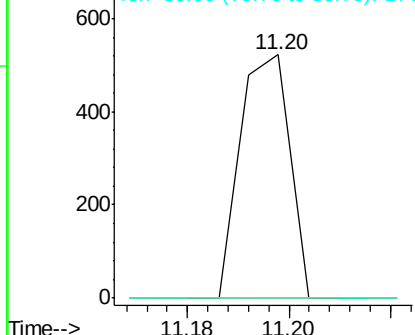
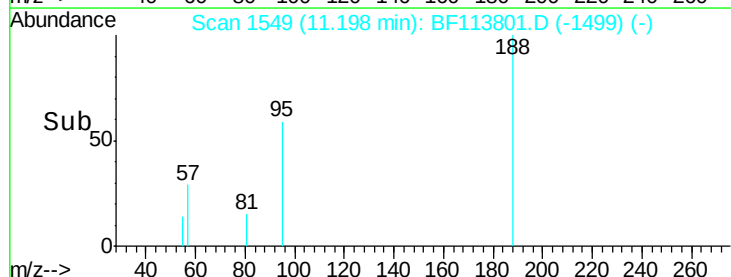
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF113801.D
 Acq: 16 Apr 2019 18:53

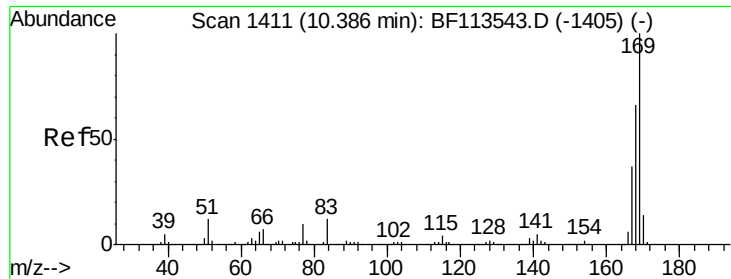
Tgt Ion:188 Resp: 354

Ion	Ratio	Lower	Upper
188	100		
94	0.0	7.0	10.6#
80	0.0	7.7	11.5#



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

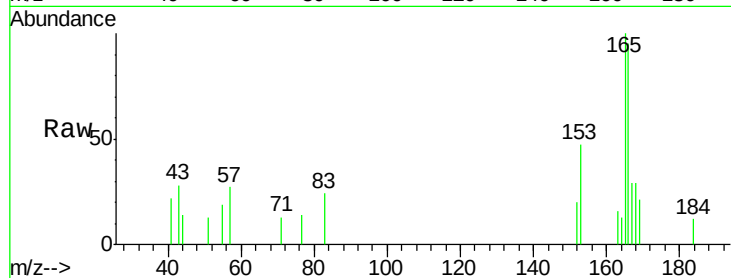




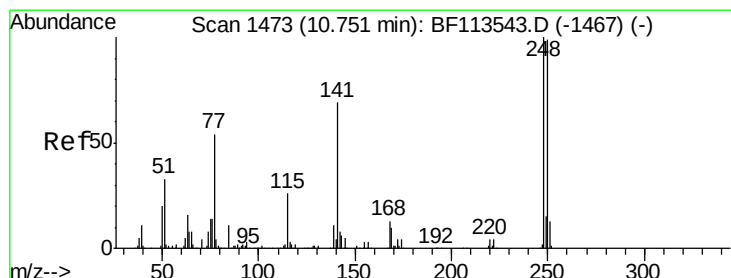
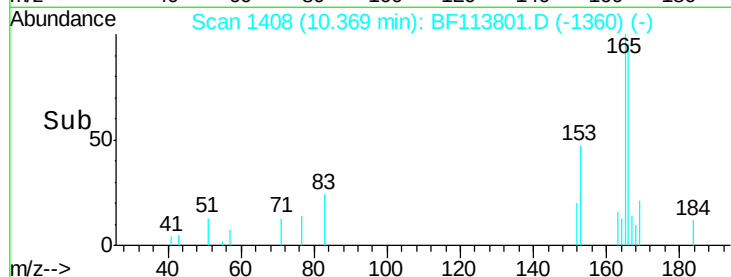
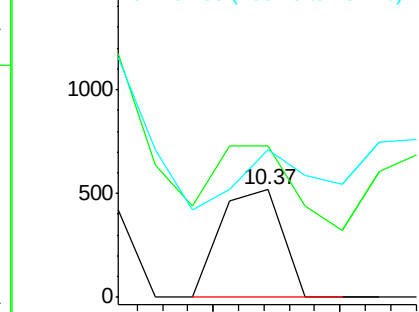
#66
 n-Nitrosodiphenylamine
 Concen: 31.930 ng
 RT: 10.37 min Scan# 1408
 Delta R.T. -0.02 min
 Lab File: BF113801.D
 Acq: 16 Apr 2019 18:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:169 Resp: 347
 Ion Ratio Lower Upper
 169 100
 168 140.5 53.7 80.5#
 167 137.3 29.5 44.3#

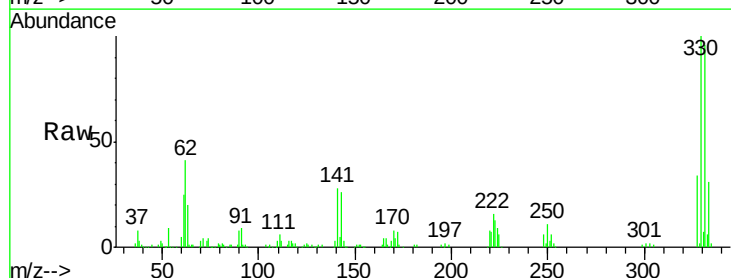


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

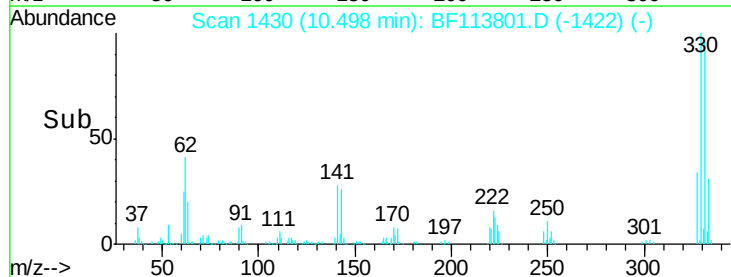
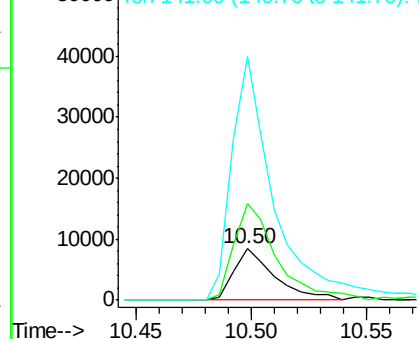


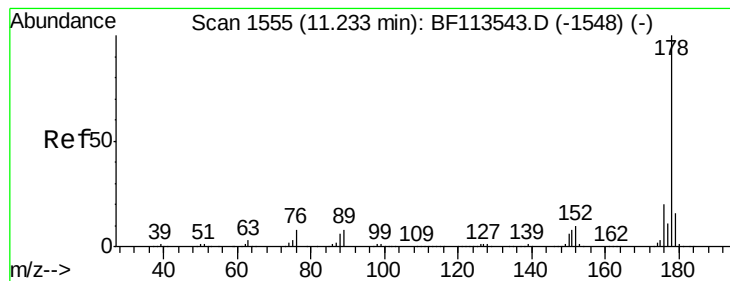
#67
 4-Bromophenyl-phenylether
 Concen: 2584.467 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.25 min
 Lab File: BF113801.D
 Acq: 16 Apr 2019 18:53

Tgt Ion:248 Resp: 10261
 Ion Ratio Lower Upper
 248 100
 250 187.7 78.3 117.5#
 141 475.8 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: 2684.744 ng

RT: 11.22 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BF113801.D

Acq: 16 Apr 2019 18:53

Instrument :

BNA_F

ClientSampleId :

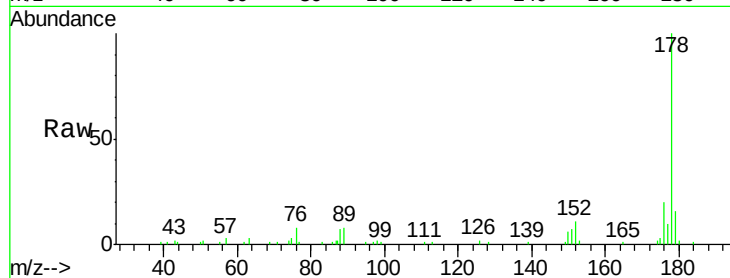
Tot Ion:178 Resp: 47226

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.2

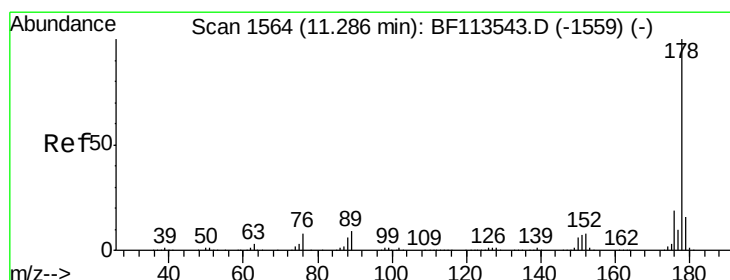
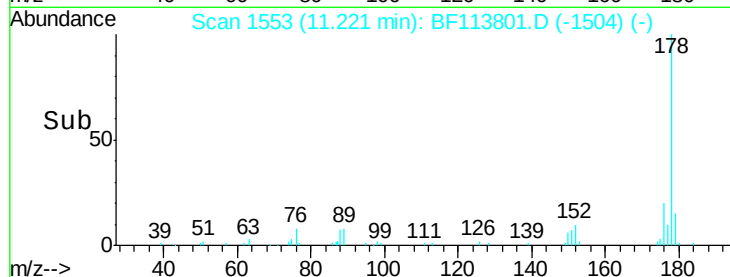
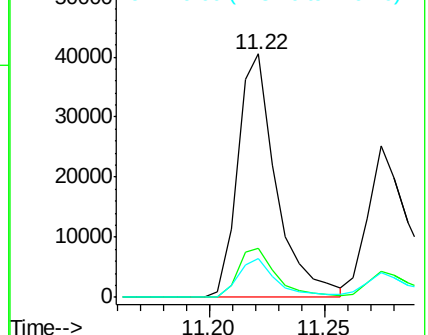
179 16.0 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 2012.964 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.01 min

Lab File: BF113801.D

Acq: 16 Apr 2019 18:53

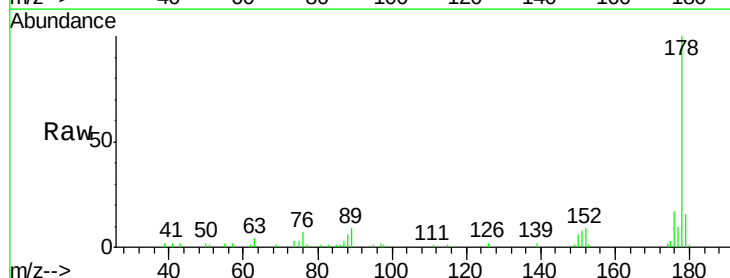
Tgt Ion:178 Resp: 36026

Ion Ratio Lower Upper

178 100

176 17.4 15.4 23.2

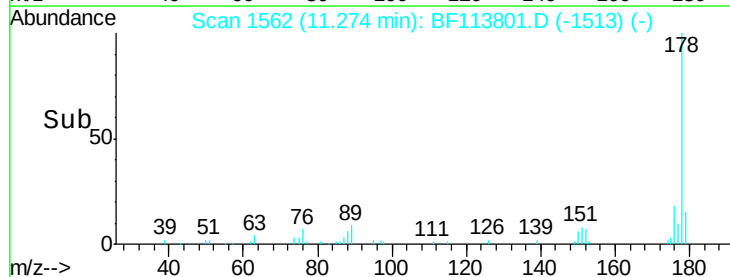
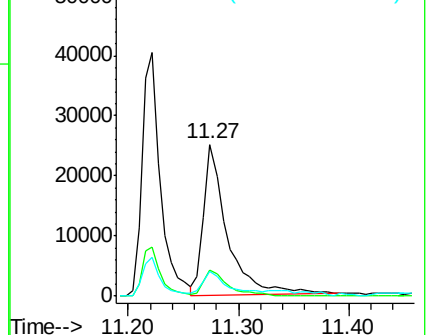
179 16.4 12.8 19.2

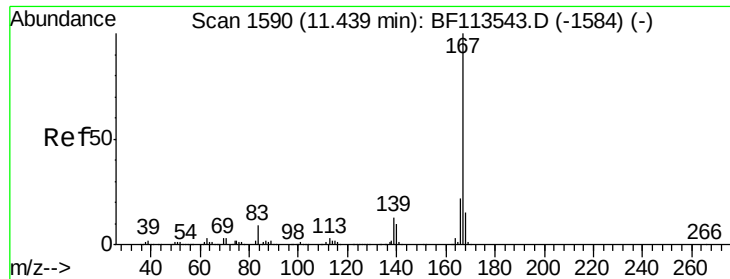


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 217.996 ng

RT: 11.46 min Scan# 1593

Delta R.T. 0.02 min

Lab File: BF113801.D

Acq: 16 Apr 2019 18:53

Instrument :

BNA_F

ClientSampleId :

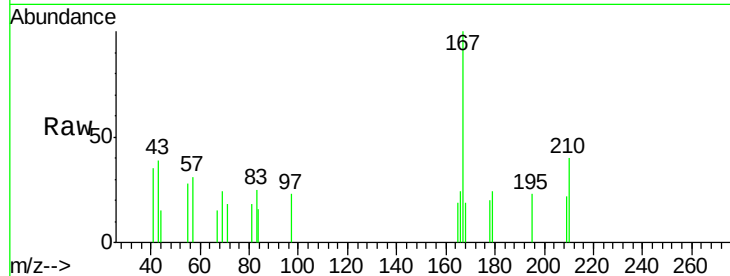
Tot Ion:167 Resp: 3649

Ion Ratio Lower Upper

167 100

166 24.0 17.4 26.0

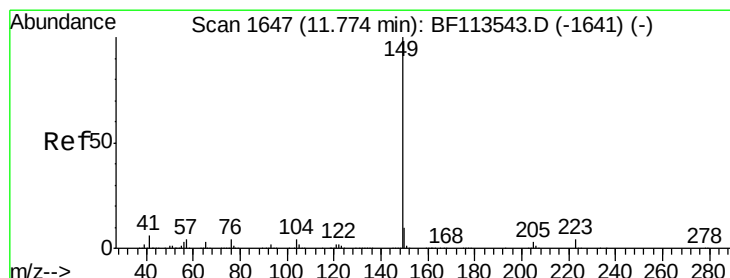
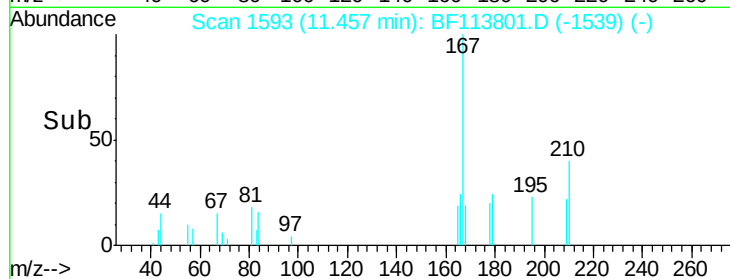
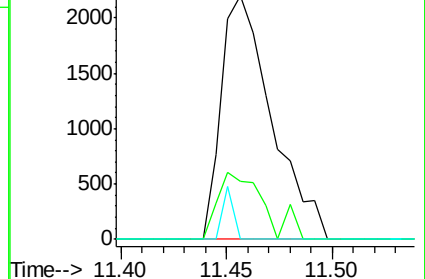
139 0.0 10.4 15.6#



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: 96.273 ng

RT: 11.74 min Scan# 1642

Delta R.T. -0.03 min

Lab File: BF113801.D

Acq: 16 Apr 2019 18:53

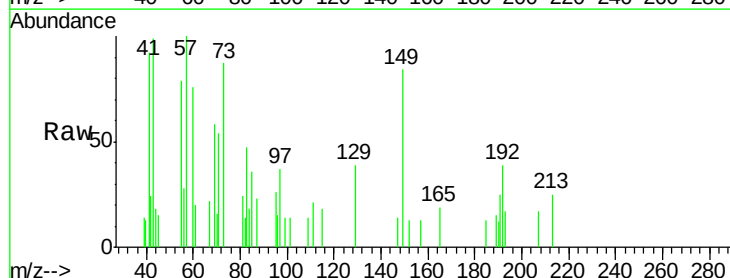
Tgt Ion:149 Resp: 1917

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

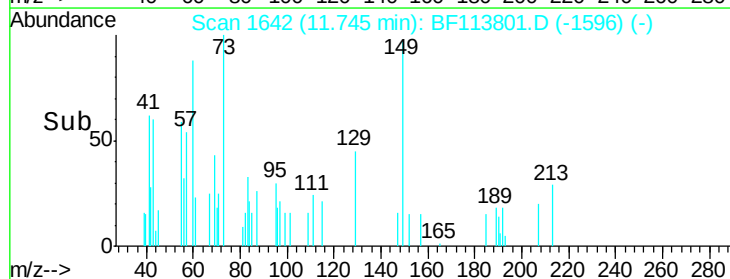
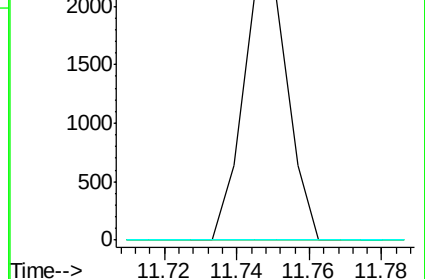
104 0.0 3.7 5.5#

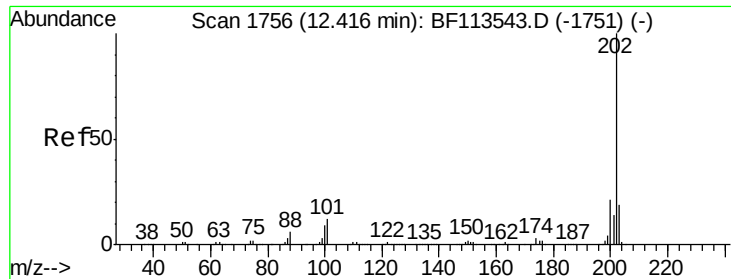


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 3501.996 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF113801.D

Acq: 16 Apr 2019 18:53

Instrument :

BNA_F

ClientSampleId :

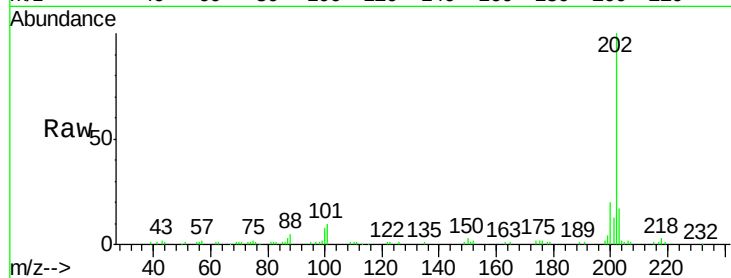
Tot Ion:202 Resp: 66011

Ion Ratio Lower Upper

202 100

101 9.9 0.0 31.4

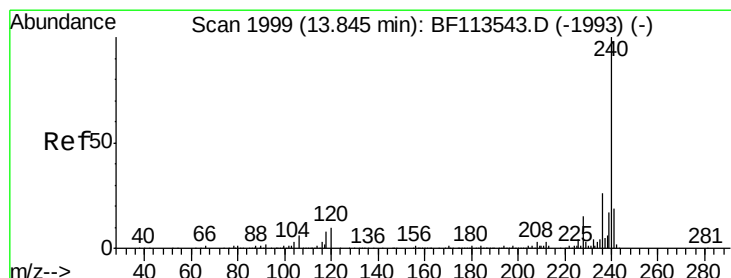
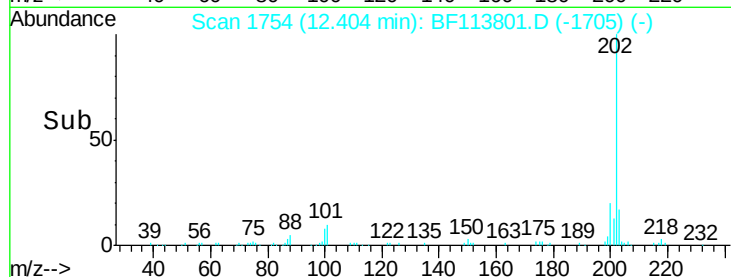
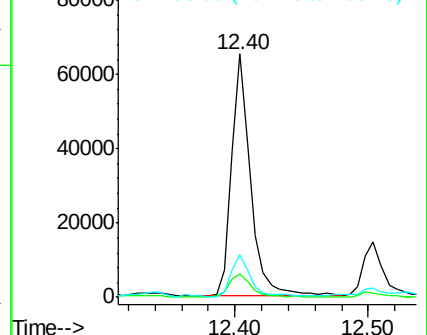
203 17.5 0.0 38.0



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: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF113801.D

Acq: 16 Apr 2019 18:53

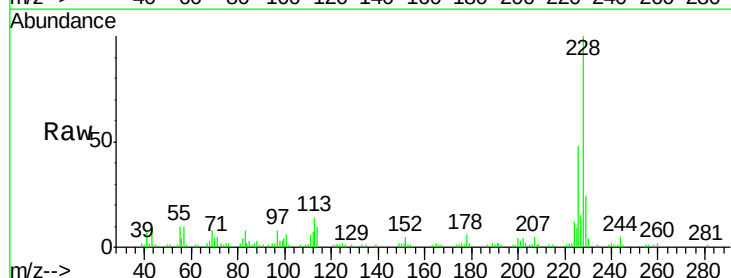
Tgt Ion:240 Resp: 693

Ion Ratio Lower Upper

240 100

120 0.0 8.8 13.2#

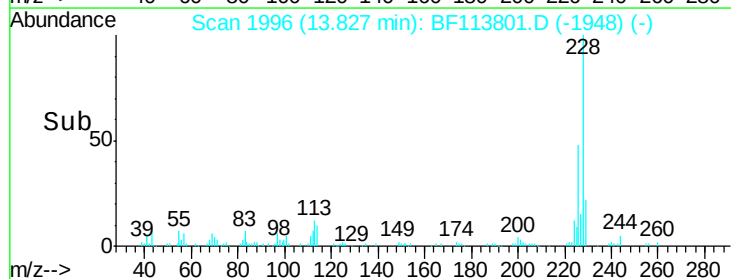
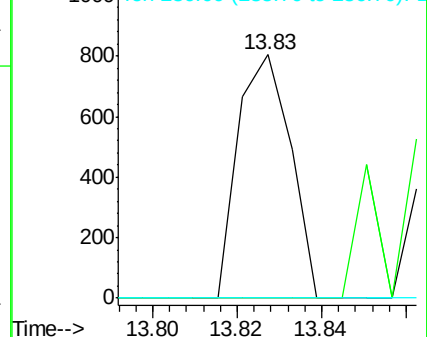
236 0.0 20.9 31.3#

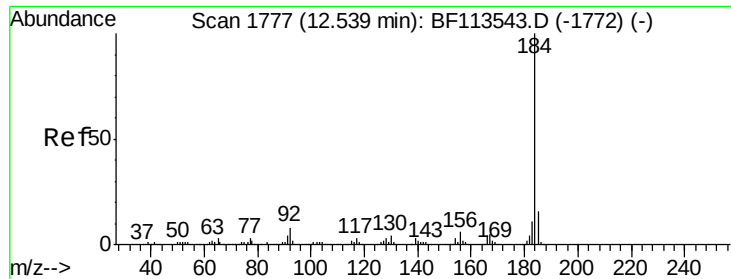


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 363.595 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.22 min

Lab File: BF113801.D

Acq: 16 Apr 2019 18:53

Instrument :

BNA_F

ClientSampled :

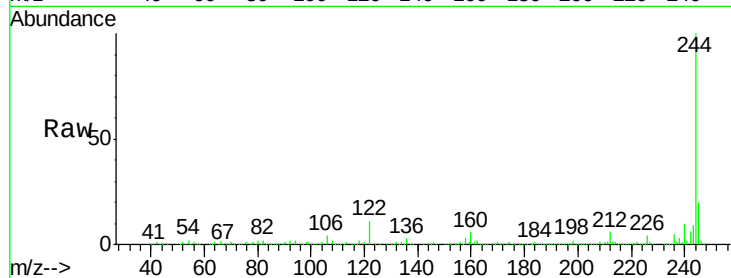
Tot Ion:184 Resp: 9370

Ion Ratio Lower Upper

184 100

185 17.0 13.0 19.6

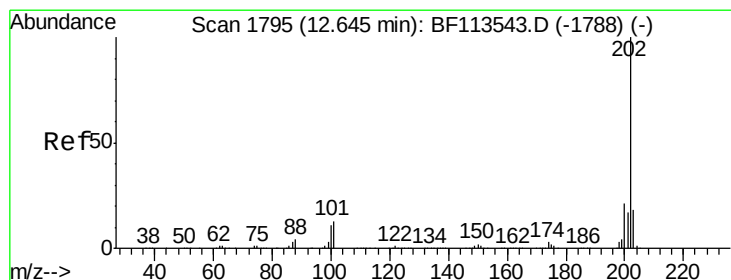
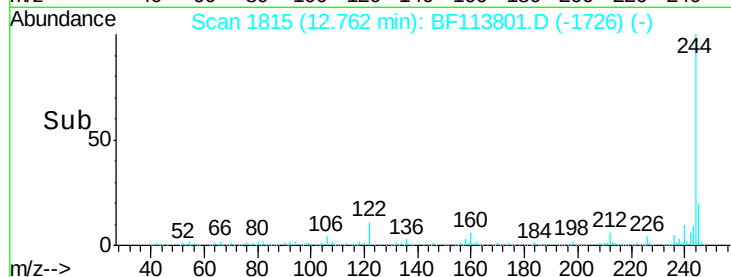
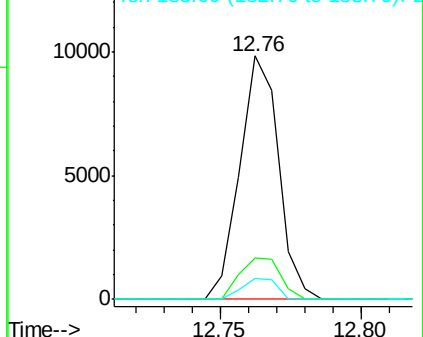
183 8.8 9.0 13.4#



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: 2017.501 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.02 min

Lab File: BF113801.D

Acq: 16 Apr 2019 18:53

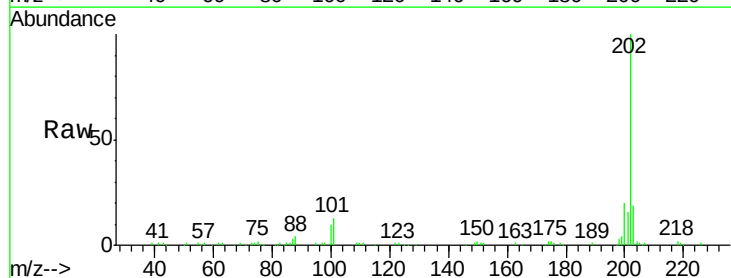
Tgt Ion:202 Resp: 106382

Ion Ratio Lower Upper

202 100

200 20.1 16.8 25.2

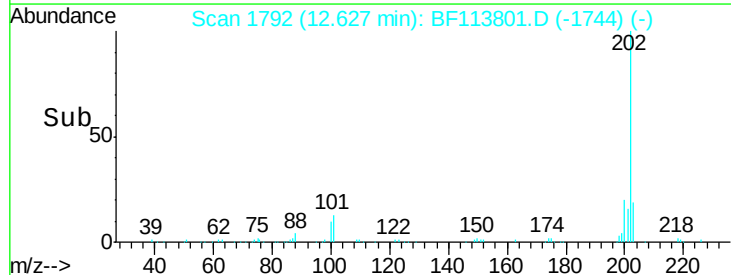
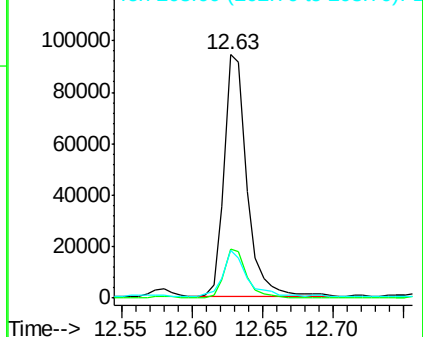
203 19.4 14.4 21.6

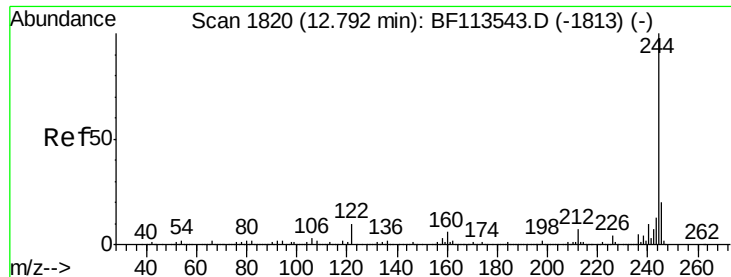


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 24870.237 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.03 min

Lab File: BF113801.D

Acq: 16 Apr 2019 18:53

Instrument :

BNA_F

ClientSampleId :

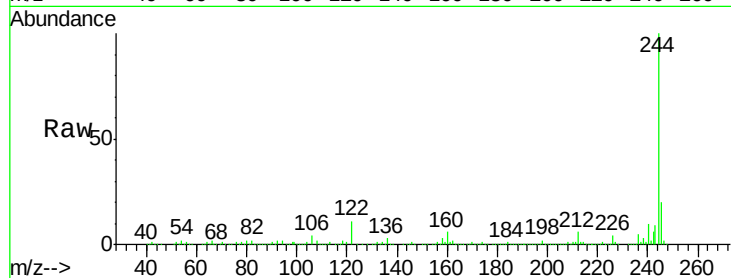
Tot Ion:244 Resp: 846510

Ion Ratio Lower Upper

244 100

212 6.5 5.5 8.3

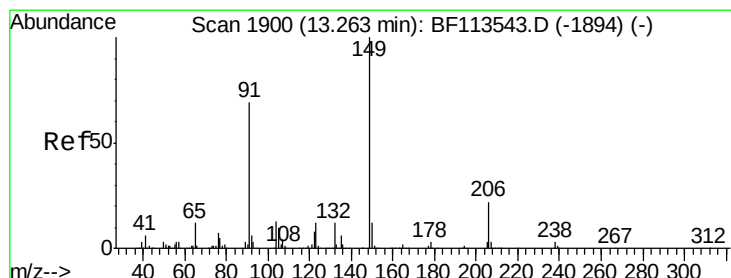
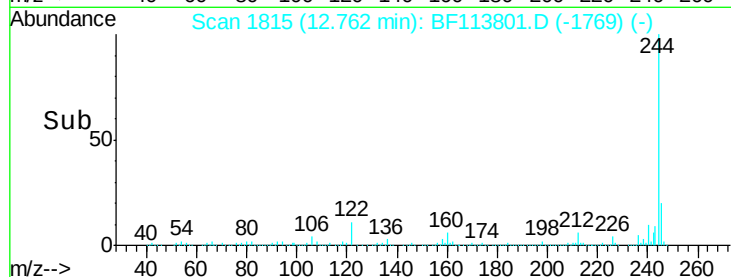
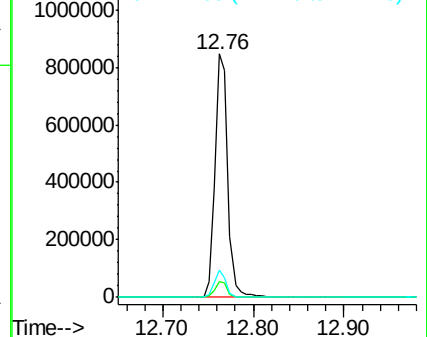
122 11.3 8.6 13.0



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: 5.451 ng

RT: 13.24 min Scan# 1896

Delta R.T. -0.02 min

Lab File: BF113801.D

Acq: 16 Apr 2019 18:53

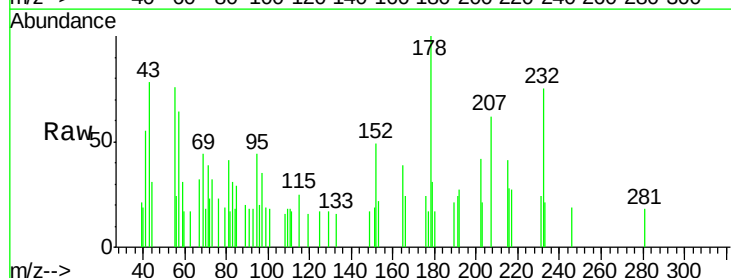
Tgt Ion:149 Resp: 117

Ion Ratio Lower Upper

149 100

91 100.9 55.2 82.8#

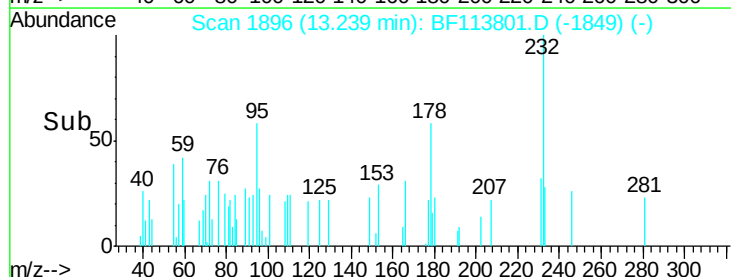
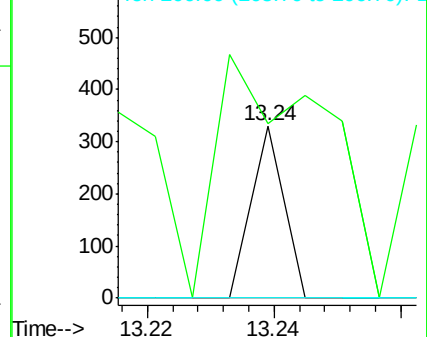
206 0.0 16.1 24.1#

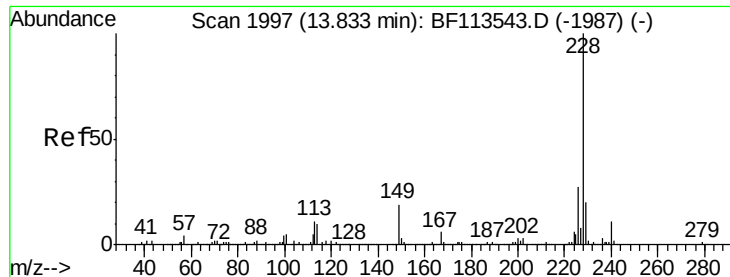


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E



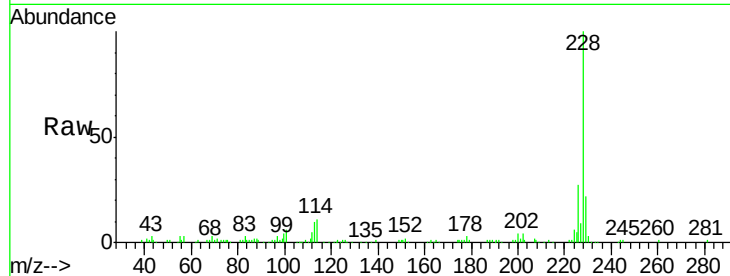


#81

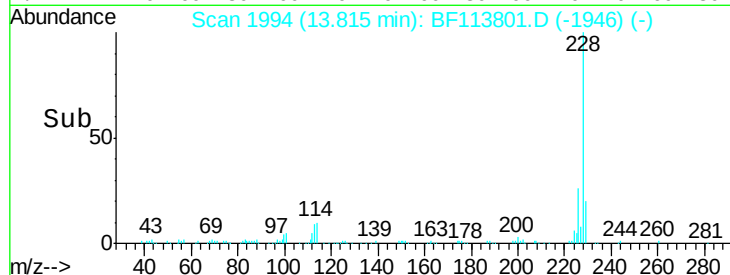
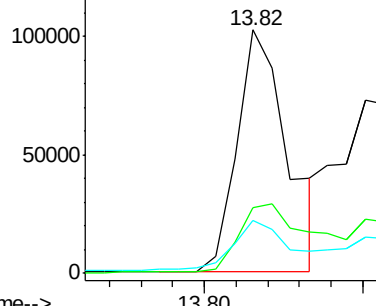
Benzo(a)anthracene
Concen: 2836.301 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.02 min
Lab File: BF113801.D
Acq: 16 Apr 2019 18:53

Instrument :
BNA_F
ClientSampled :

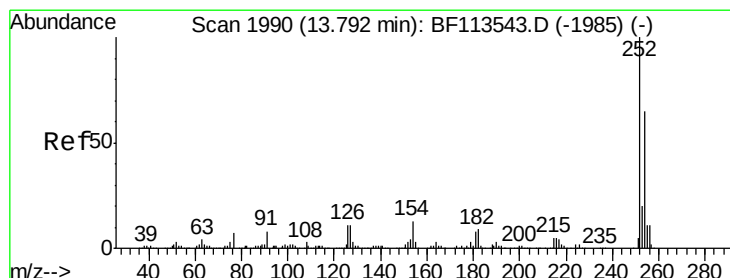
Tot Ion:228 Resp: 113384
Ion Ratio Lower Upper
228 100
226 27.2 21.8 32.8
229 21.8 16.2 24.4



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



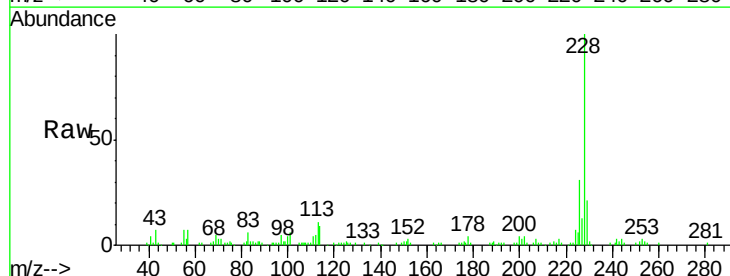
Time-->



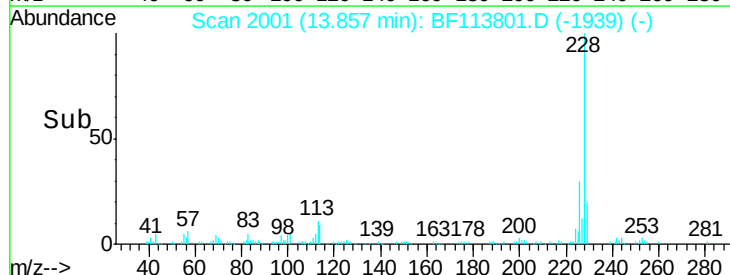
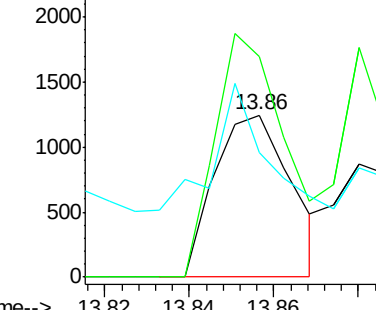
#82

3,3'-Dichlorobenzidine
Concen: 102.095 ng
RT: 13.86 min Scan# 2001
Delta R.T. 0.06 min
Lab File: BF113801.D
Acq: 16 Apr 2019 18:53

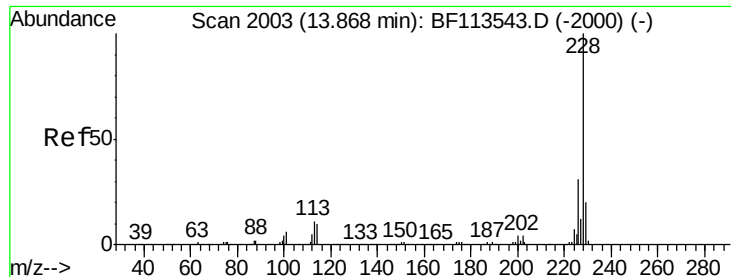
Tgt Ion:252 Resp: 1572
Ion Ratio Lower Upper
252 100
254 136.2 52.2 78.2#
126 77.0 8.5 12.7#



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



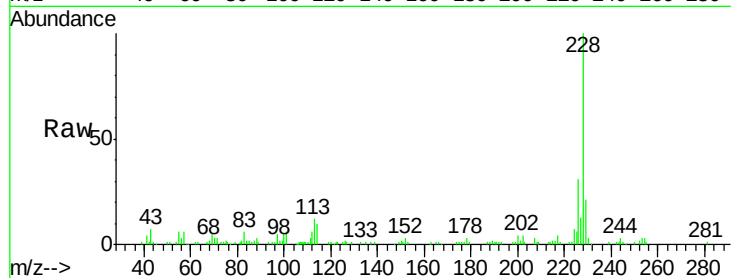
Time-->



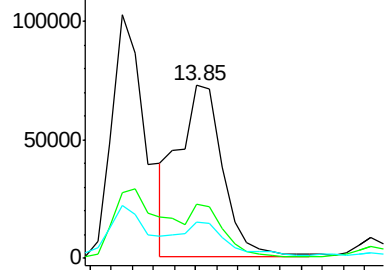
#83
 Chrysene
 Concen: 2603.716 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.02 min
 Lab File: BF113801.D
 Acq: 16 Apr 2019 18:53

Instrument :
 BNA_F
 ClientSampleId :

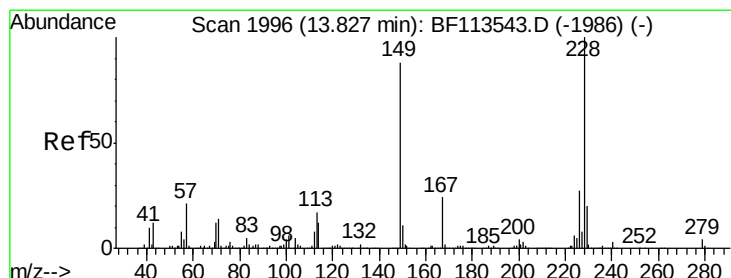
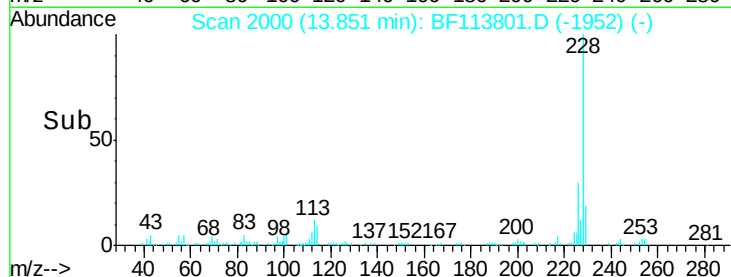
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.3	36.5
229	21.3	16.3	24.5



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

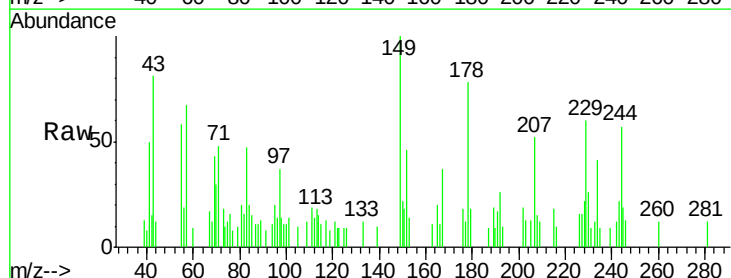


Time--> 13.80 13.85 13.90

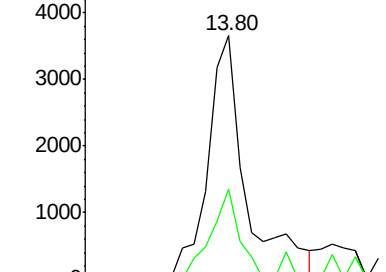


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 194.364 ng
 RT: 13.80 min Scan# 1991
 Delta R.T. -0.03 min
 Lab File: BF113801.D
 Acq: 16 Apr 2019 18:53

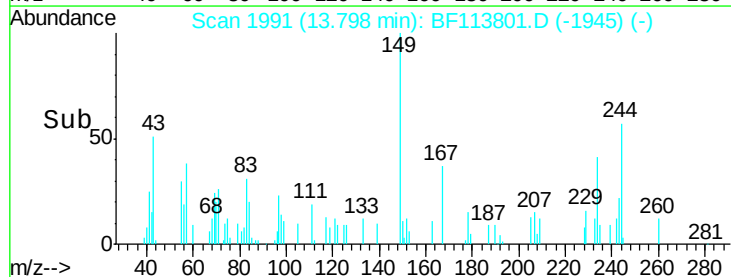
Tgt Ion	Ratio	Lower	Upper
149	100		
167	37.1	21.8	32.8#
279	0.0	2.9	4.3#

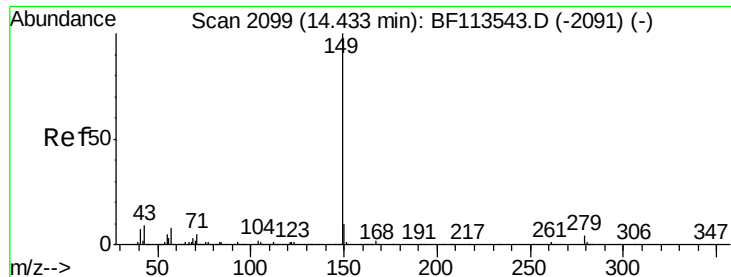


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



Time--> 13.75 13.80 13.85

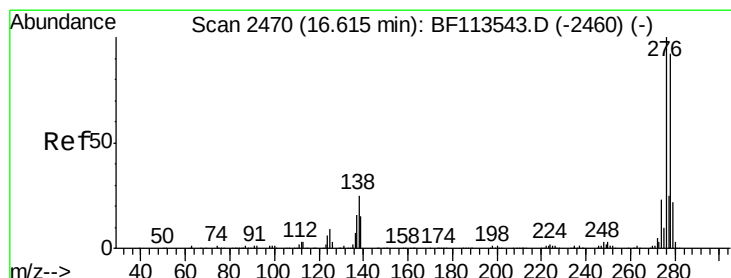
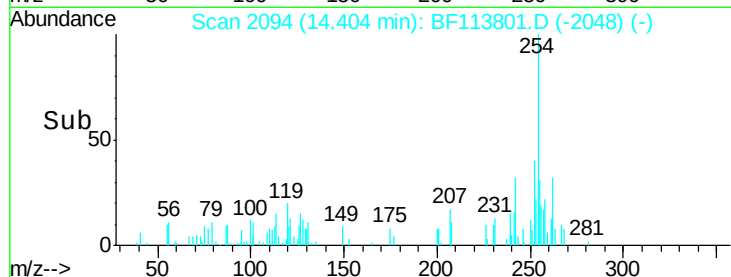
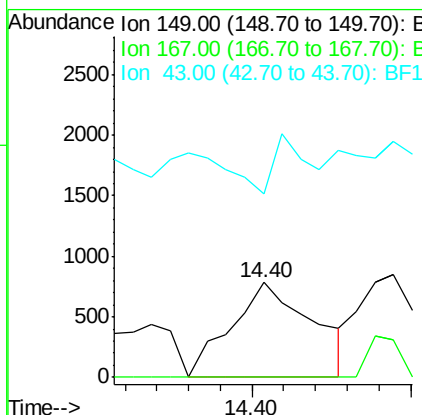
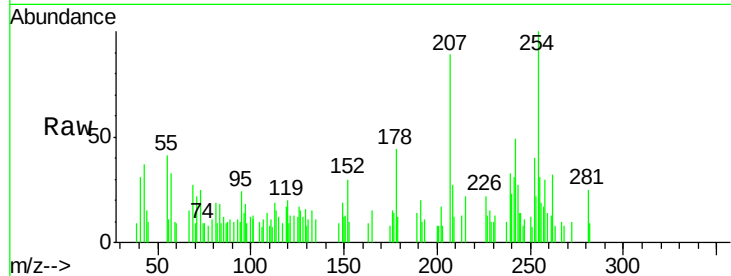




#85
Di-n-octyl phthalate
Concen: 33.070 ng
RT: 14.40 min Scan# 2094
Delta R.T. -0.03 min
Lab File: BF113801.D
Acq: 16 Apr 2019 18:53

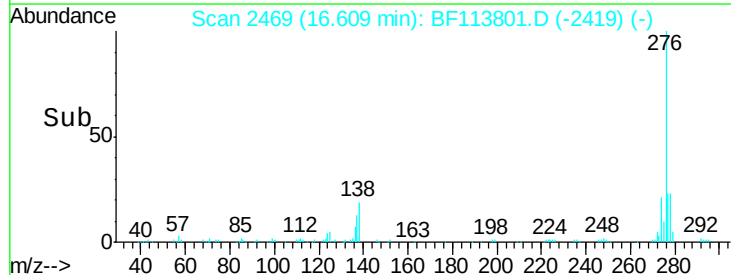
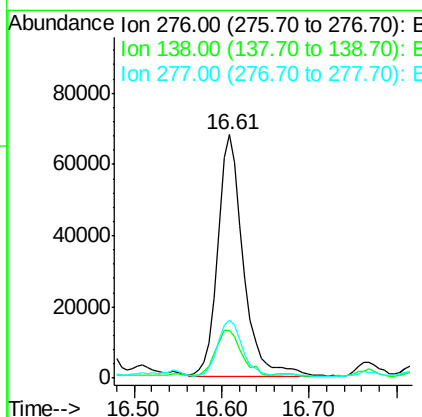
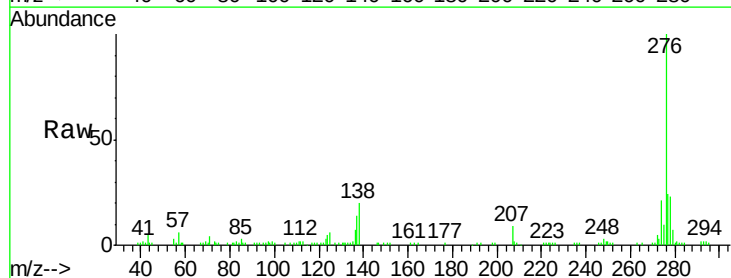
Instrument :
BNA_F
ClientSampled :

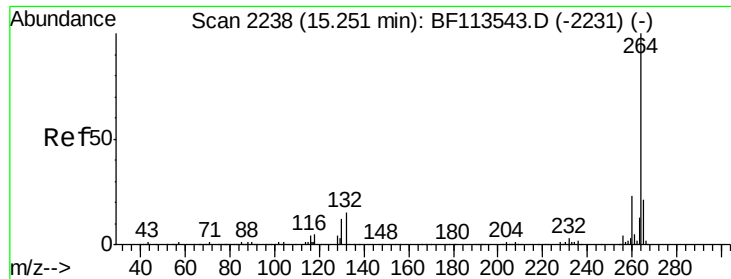
Tot Ion:149 Resp: 1395
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 0.0 7.7 11.5#



#86
Indeno(1,2,3-cd)pyrene
Concen: 3636.220 ng
RT: 16.61 min Scan# 2469
Delta R.T. -0.01 min
Lab File: BF113801.D
Acq: 16 Apr 2019 18:53

Tgt Ion:276 Resp: 136051
Ion Ratio Lower Upper
276 100
138 19.2 18.1 27.1
277 22.8 20.2 30.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF113801.D

Acq: 16 Apr 2019 18:53

Instrument :

BNA_F

ClientSampleId :

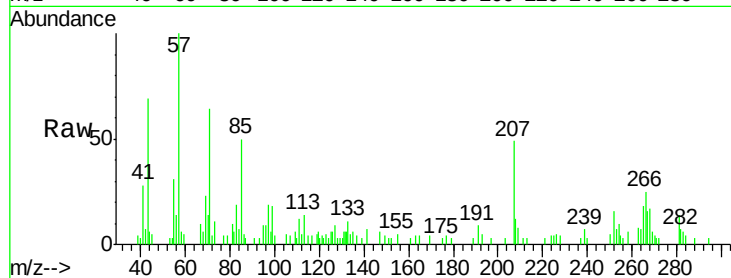
Tot Ion:264 Resp: 1045

Ion Ratio Lower Upper

264 100

260 0.0 19.1 28.7#

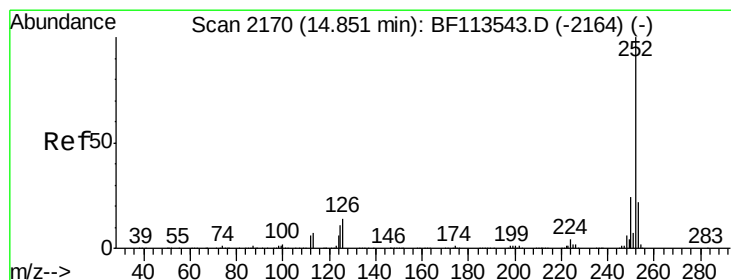
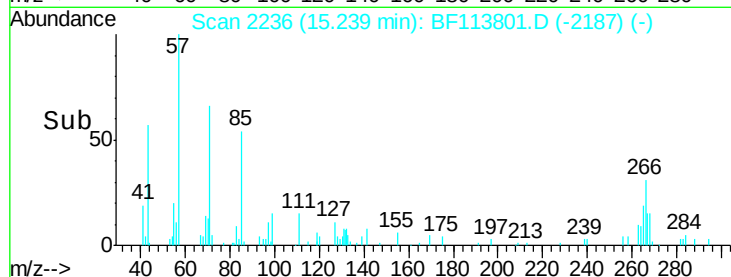
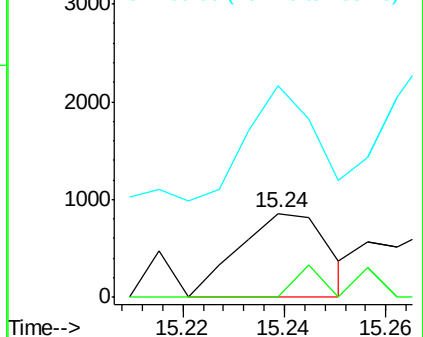
265 253.0 17.1 25.7#



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 5405.402 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BF113801.D

Acq: 16 Apr 2019 18:53

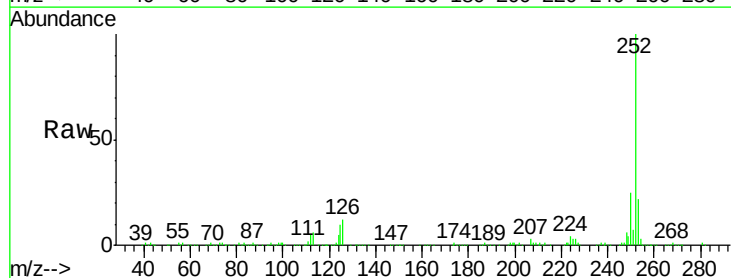
Tgt Ion:252 Resp: 345767

Ion Ratio Lower Upper

252 100

253 22.2 18.0 27.0

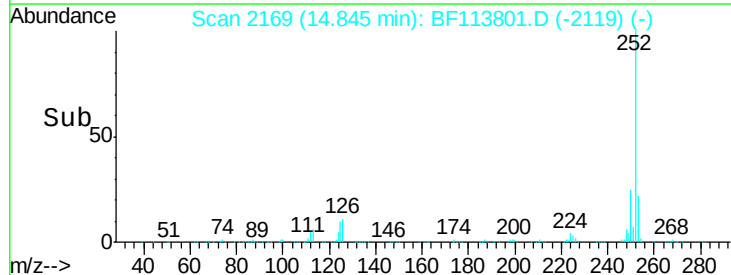
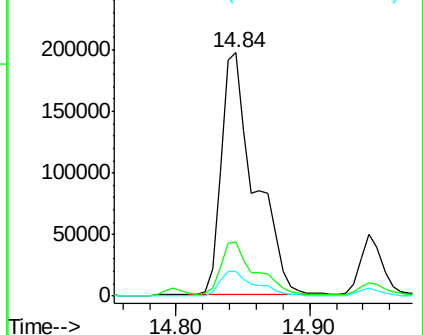
125 10.0 7.6 11.4

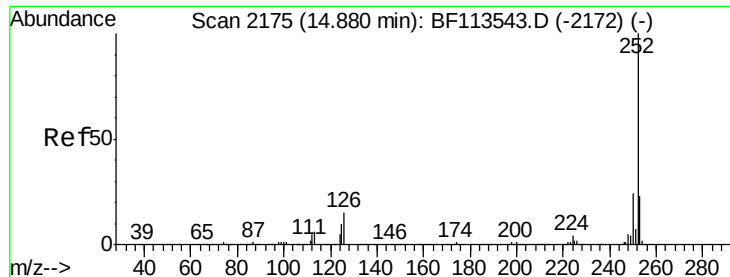


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

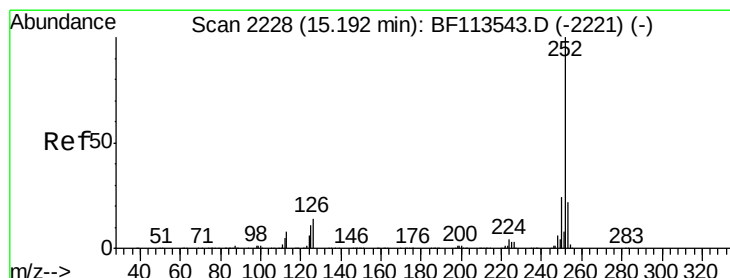
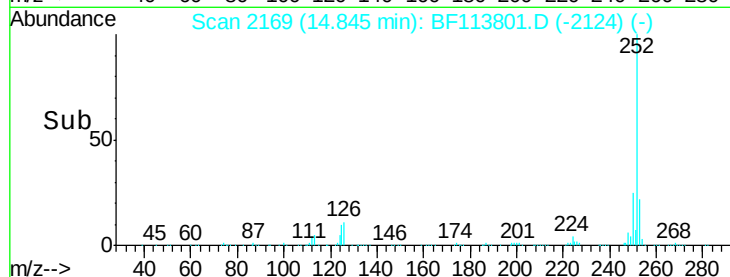
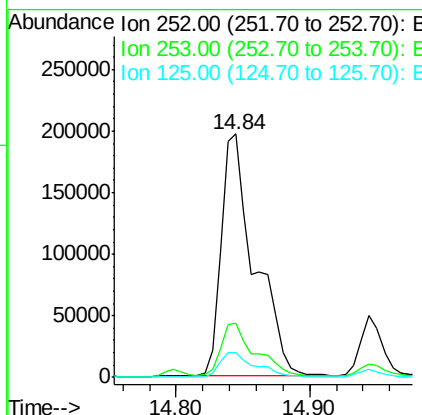
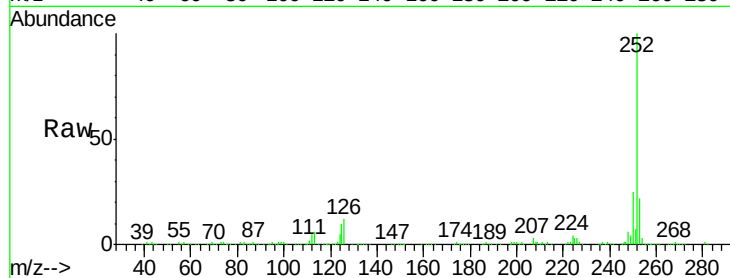




#89
Benzo(k)fluoranthene
Concen: 6022.889 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF113801.D
Acq: 16 Apr 2019 18:53

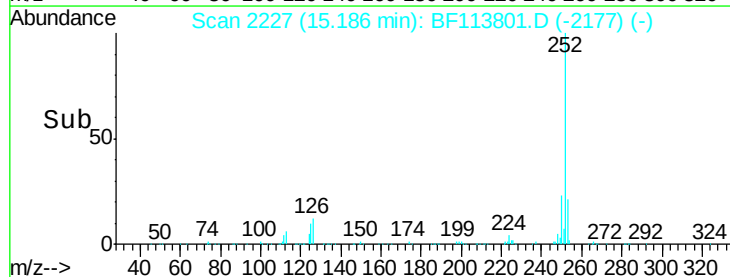
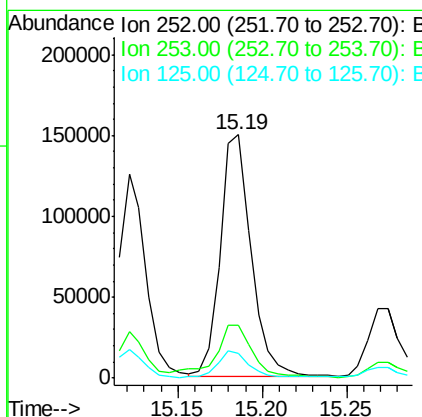
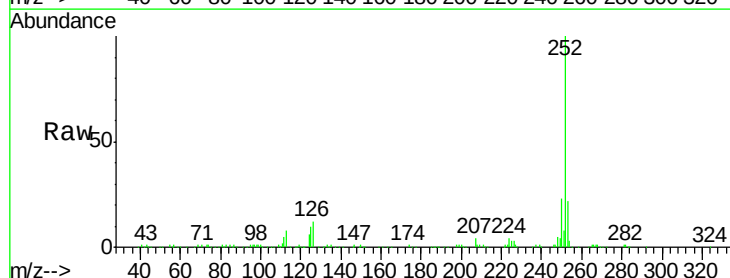
Instrument :
BNA_F
ClientSampleId :

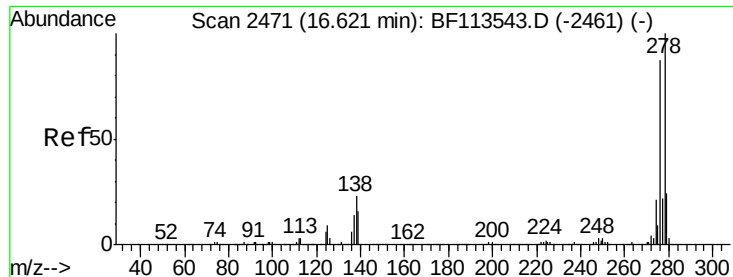
Tot Ion:252 Resp: 345767
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 10.0 7.3 10.9



#90
Benzo(a)pyrene
Concen: 3367.673 ng
RT: 15.19 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BF113801.D
Acq: 16 Apr 2019 18:53

Tgt Ion:252 Resp: 191422
Ion Ratio Lower Upper
252 100
253 21.9 17.9 26.9
125 10.1 8.8 13.2

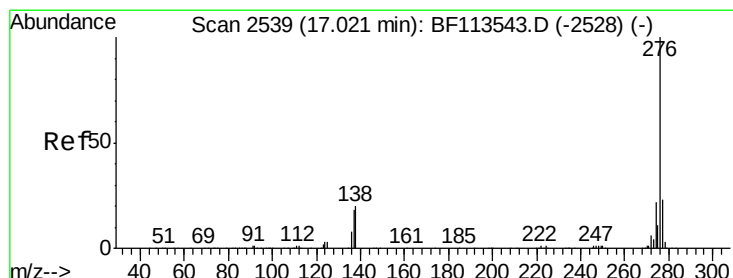
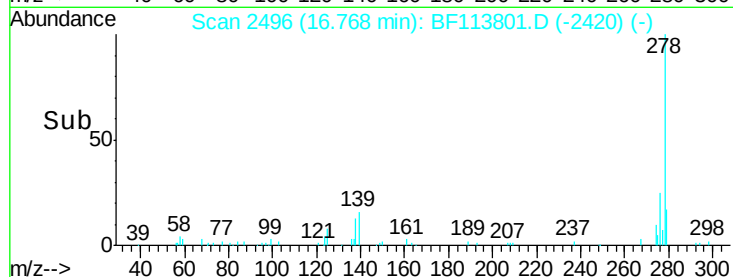
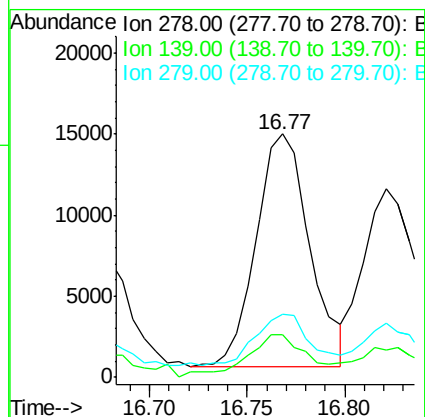
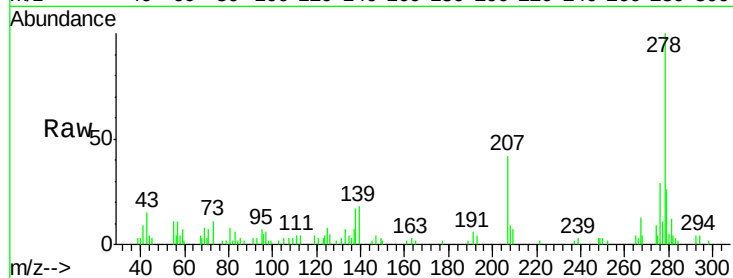




#91
Dibenzo(a,h)anthracene
Concen: 514.459 ng
RT: 16.77 min Scan# 2496
Delta R.T. 0.15 min
Lab File: BF113801.D
Acq: 16 Apr 2019 18:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 27346
Ion Ratio Lower Upper
278 100
139 17.6 12.0 18.0
279 26.1 19.0 28.6



#92
Benzo(g,h,i)perylene
Concen: 2023.384 ng
RT: 17.02 min Scan# 2539
Delta R.T. -0.00 min
Lab File: BF113801.D
Acq: 16 Apr 2019 18:53

Tgt Ion:276 Resp: 109778
Ion Ratio Lower Upper
276 100
277 25.9 18.8 28.2
138 20.4 15.6 23.4

