

Data Path : U:\HPCHEM1\BNA F\DATA\BF011118\
 Data File : BF102026.D
 Acq On : 11 Jan 2018 18:46
 Operator : SJ/JU
 Sample : J1067-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-27007

Quant Time: Jan 11 23:42:26 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	171474	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	657488	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	133234	20.00	ng	0.02
63) Phenanthrene-d10	11.23	188	70482	20.00	ng	-0.01
75) Chrysene-d12	13.84	240	1309	20.00	ng	-0.04
86) Perylene-d12	15.47	264	86346	20.00	ng	0.18

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	1328646	109.41	ng	0.00
7) Phenol-d6	6.36	99	1570499	108.40	ng	0.00
23) Nitrobenzene-d5	7.29	82	953918	85.26	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	70834	60.92	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	1858206	217.89	ng	0.02
78) Terphenyl-d14	12.72	244	1562	24.78	ng	-0.11

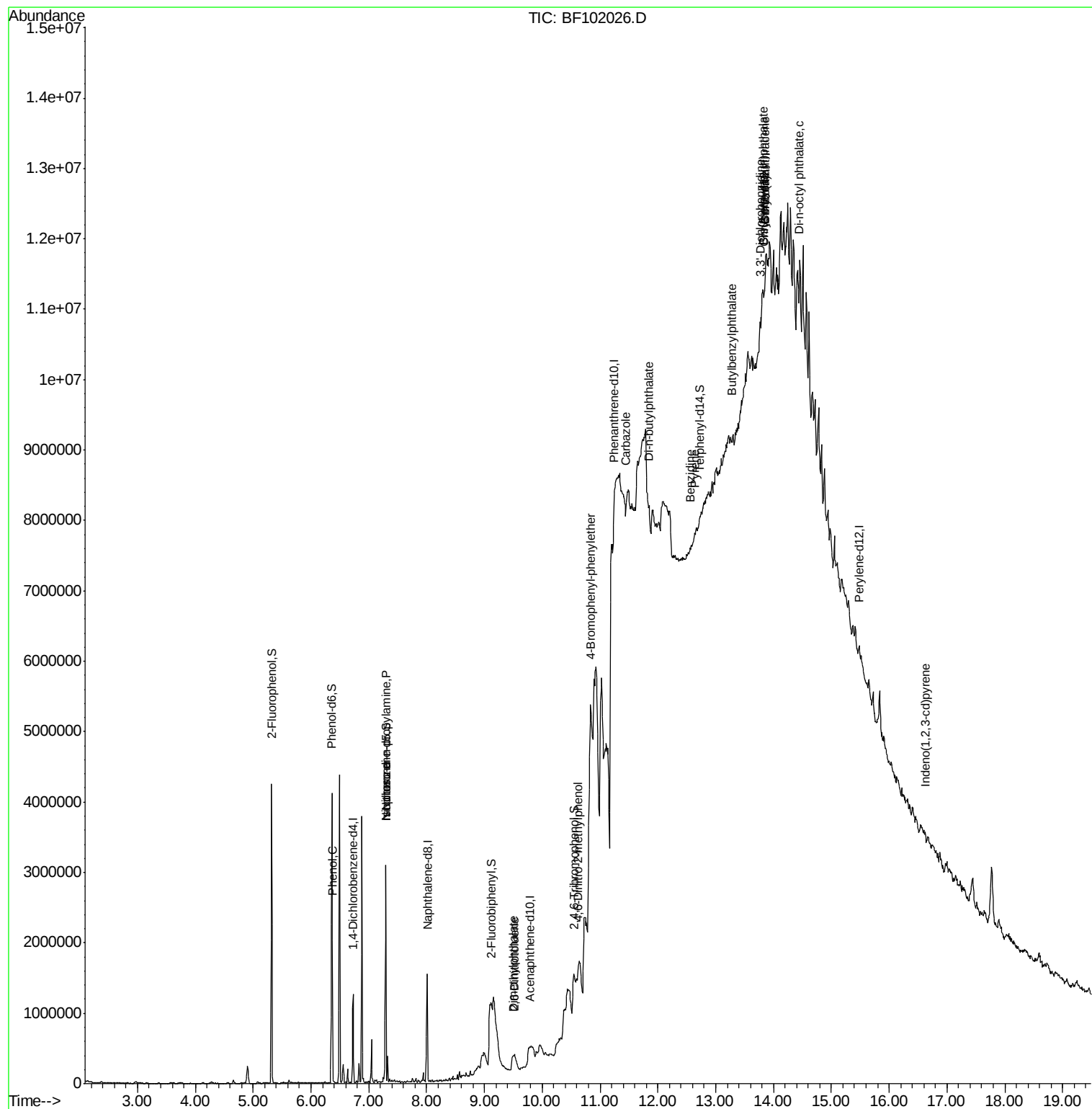
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	89066	5.440	ng	95
19) n-Nitroso-di-n-propylamine	7.29	70	134447	14.160	ng	# 83
25) Isophorone	7.29	82	951695	43.048	ng	# 64
49) Dimethylphthalate	9.49	163	212605	19.892	ng	98
50) 2,6-Dinitrotoluene	9.53	165	9149	4.285	ng	# 61
64) 4,6-Dinitro-2-methylphenol	10.62	198	111	5.918	ng	# 1
66) 4-Bromophenyl-phenylether	10.83	248	3521	4.730	ng	# 23
72) Carbazole	11.45	167	29116	7.094	ng	# 66
73) Di-n-butylphthalate	11.84	149	15287	3.036	ng	# 1
76) Benzidine	12.55	184	646	10.220	ng	# 1
77) Pyrene	12.64	202	1764	15.245	ng	# 1
79) Butylbenzylphthalate	13.28	149	1924	36.233	ng	# 1
80) Benzo(a)anthracene	13.85	228	1494	17.888	ng	# 1
81) 3,3'-Dichlorobenzidine	13.77	252	2630	85.047	ng	# 1
82) Chrysene	13.85	228	1494	17.155	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.81	149	1514	24.854	ng	# 1
84) Di-n-octyl phthalate	14.44	149	869	8.597	ng	# 75
85) Indeno(1,2,3-cd)pyrene	16.63	276	371	5.853	ng	# 24

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

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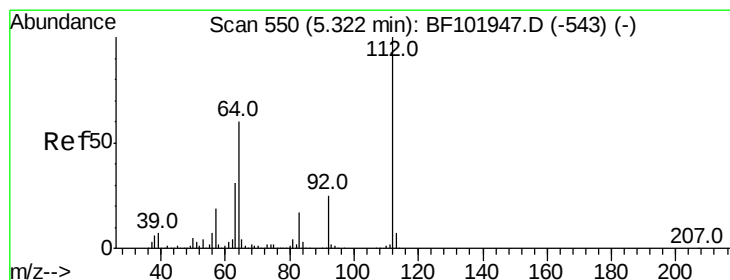
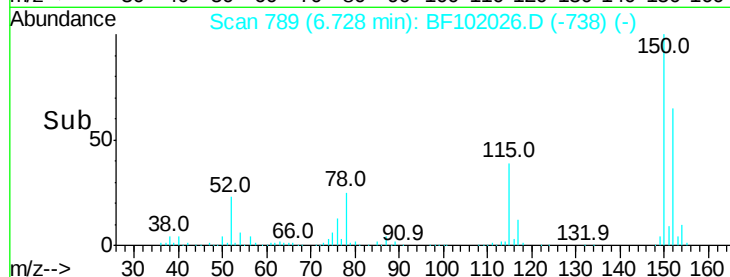
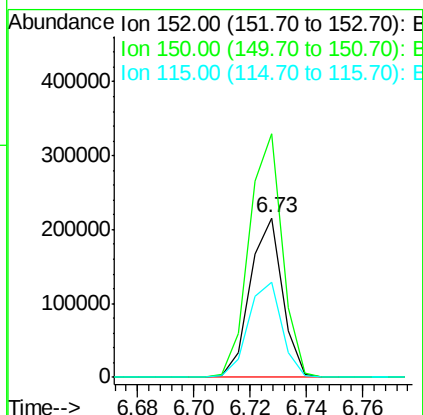
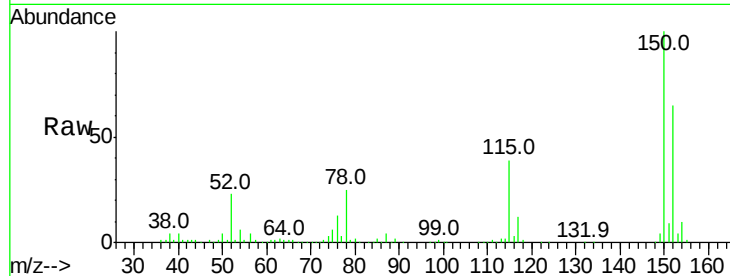


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF102026.D
Acq: 11 Jan 2018 18:46

Instrument :
BNA_F
ClientSampleId :
CHRT-27007

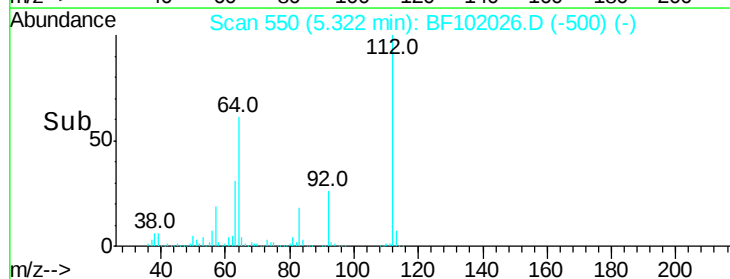
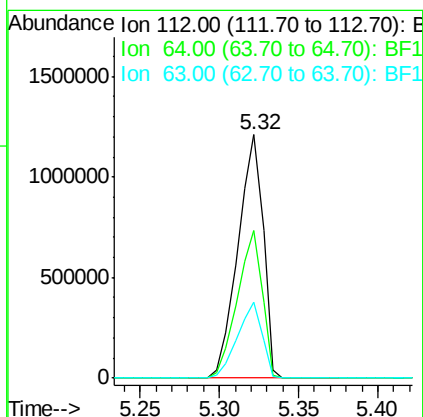
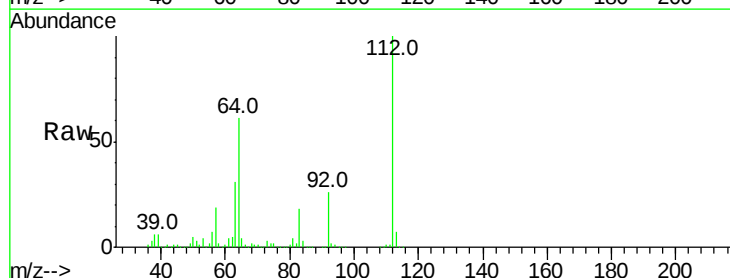
Tot Ion:152 Resp: 171474
Ion Ratio Lower Upper
152 100
150 152.7 124.6 186.8
115 59.4 50.1 75.1



#5

2-Fluorophenol
Concen: 109.413 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.01 min
Lab File: BF102026.D
Acq: 11 Jan 2018 18:46

Tgt Ion:112 Resp: 1328646
Ion Ratio Lower Upper
112 100
64 60.7 47.9 71.9
63 31.4 23.7 35.5





#7

Phenol-d6

Concen: 108.398 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102026.D

Acq: 11 Jan 2018 18:46

Instrument :

BNA_F

ClientSampleId :

CHRT-27007

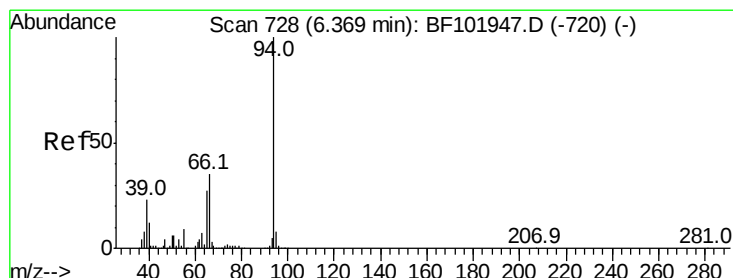
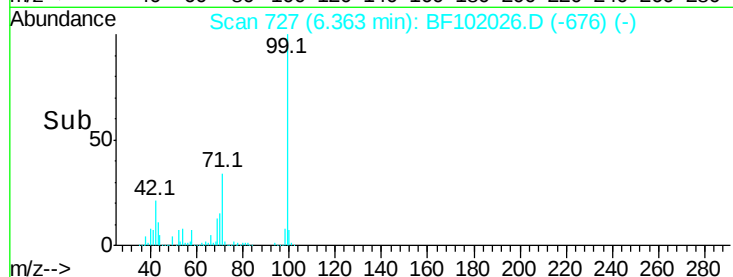
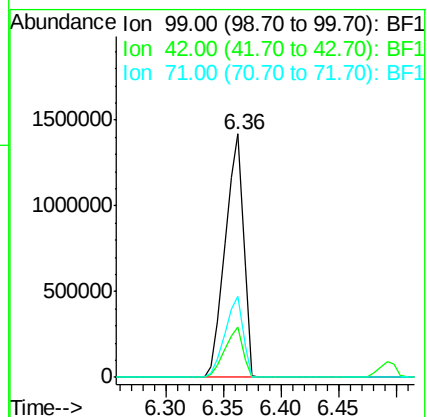
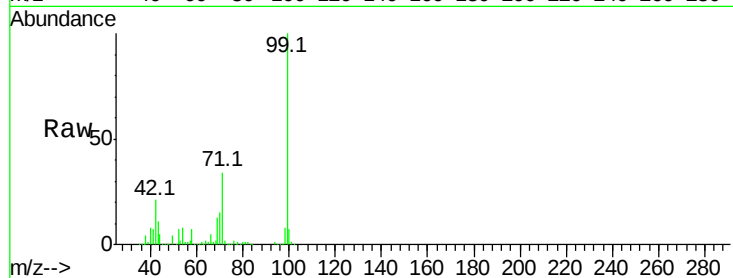
Tot Ion: 99 Resp: 1570499

Ion Ratio Lower Upper

99 100

42 20.6 14.5 21.7

71 33.5 25.4 38.0



#10

Phenol

Concen: 5.440 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102026.D

Acq: 11 Jan 2018 18:46

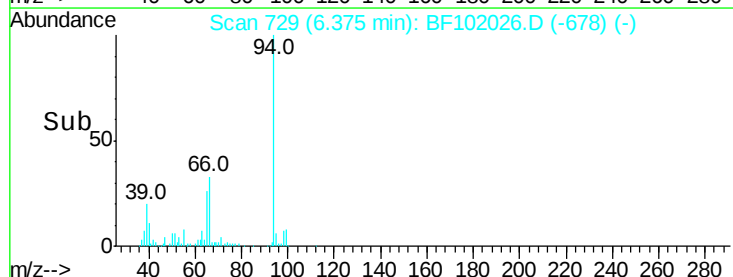
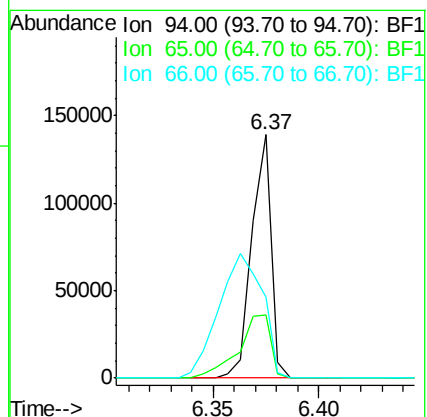
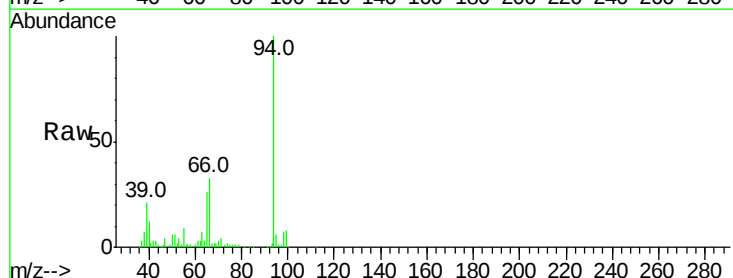
Tgt Ion: 94 Resp: 89066

Ion Ratio Lower Upper

94 100

65 26.0 7.9 47.9

66 33.1 16.2 56.2

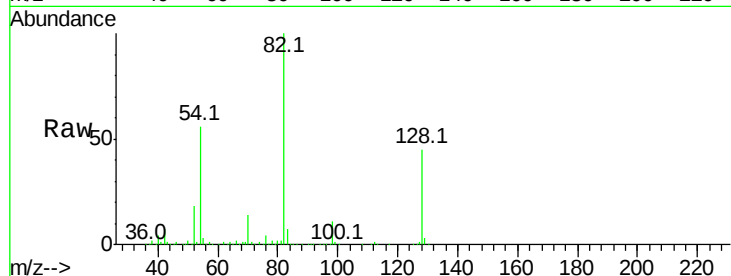




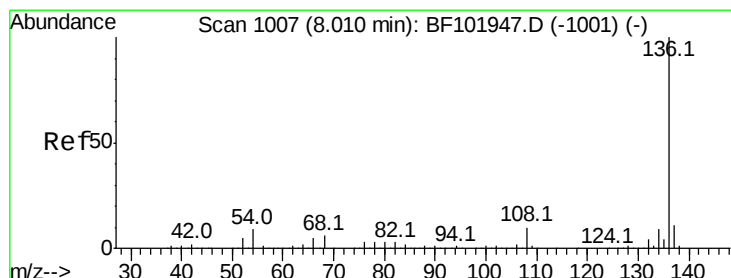
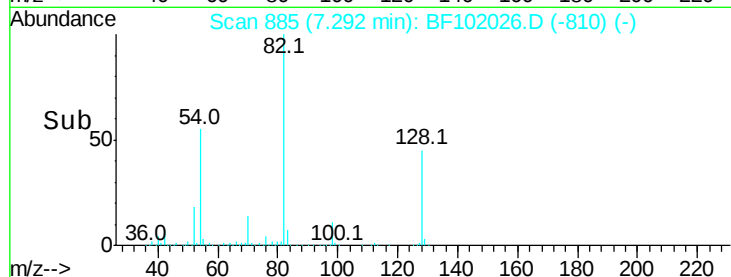
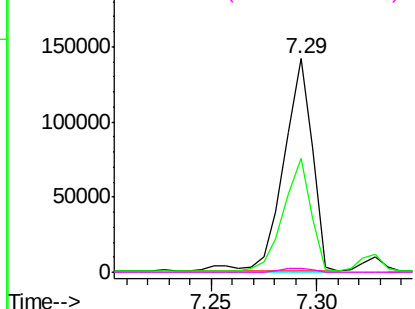
#19
n-Nitroso-di-n-propylamine
Concen: 14.160 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF102026.D
Acq: 11 Jan 2018 18:46

Instrument :
BNA_F
ClientSampleId :
CHRT-27007

Tot Ion: 70 Resp: 134447
Ion Ratio Lower Upper
70 100
42 53.4 47.5 71.3
101 0.0 7.4 11.2#
130 1.8 16.6 25.0#

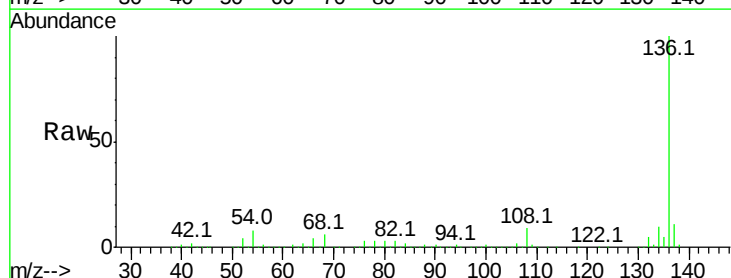


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

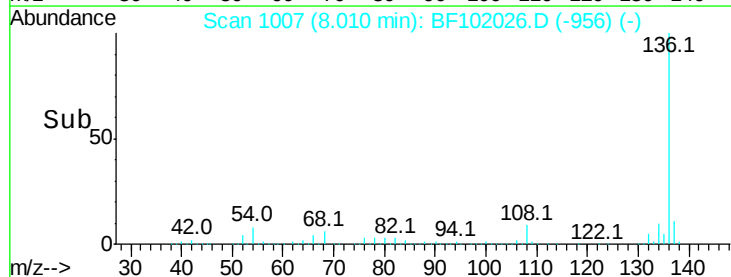
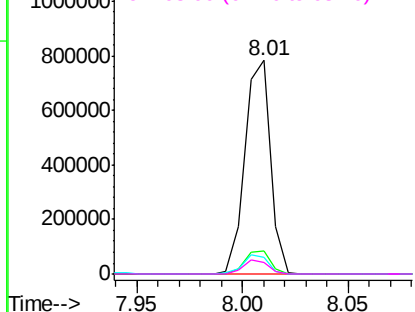


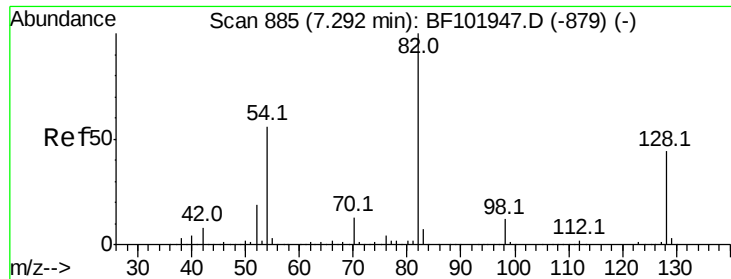
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BF102026.D
Acq: 11 Jan 2018 18:46

Tgt Ion:136 Resp: 657488
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.8 6.6 9.8
68 5.7 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

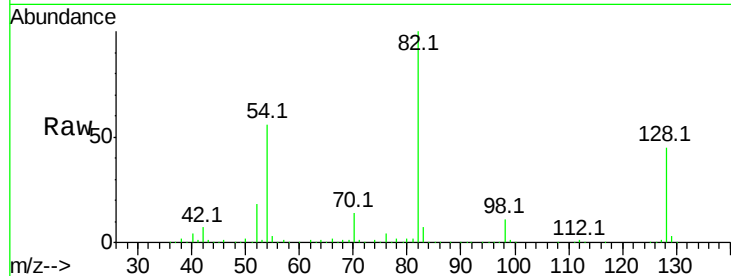




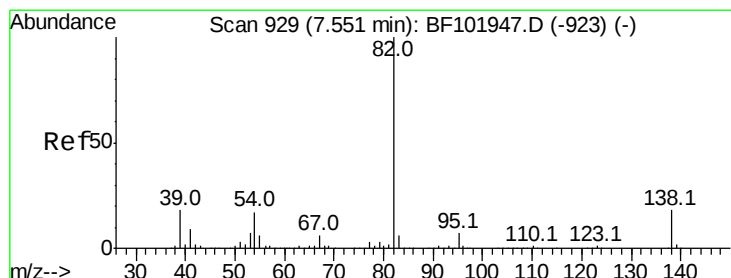
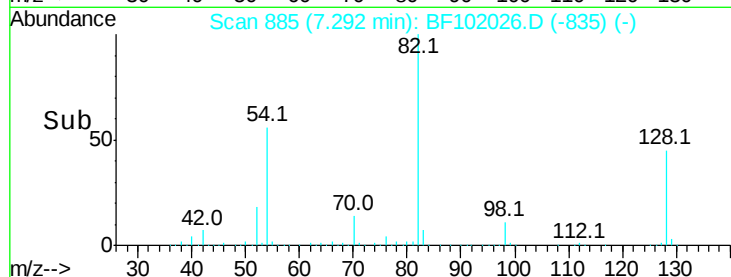
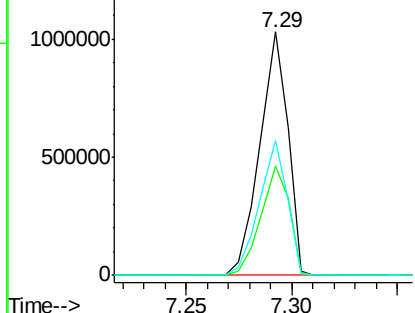
#23
 Nitrobenzene-d5
 Concen: 85.258 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF102026.D
 Acq: 11 Jan 2018 18:46

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-27007

Tot Ion	82	Resp	953918
Ion Ratio	Lower	Upper	
82	100		
128	45.0	36.1	54.1
54	55.5	41.4	62.2

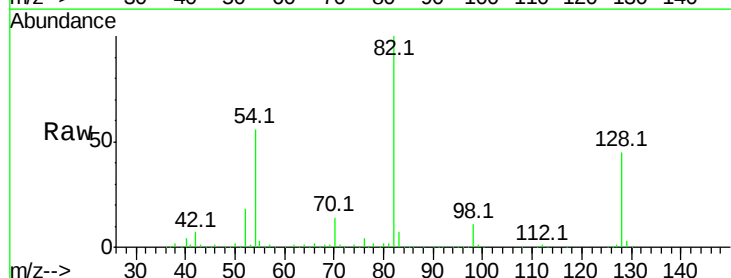


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

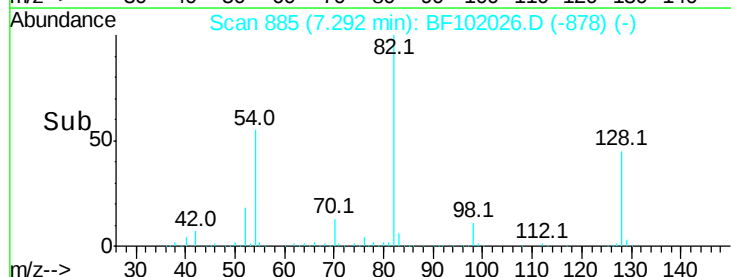
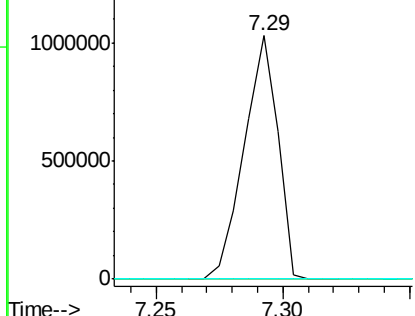


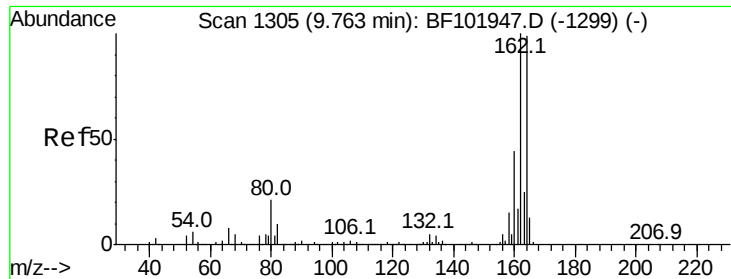
#25
 Isophorone
 Concen: 43.048 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.26 min
 Lab File: BF102026.D
 Acq: 11 Jan 2018 18:46

Tgt Ion	82	Resp	951695
Ion Ratio	Lower	Upper	
82	100		
95	0.1	5.2	7.8#
138	0.0	14.9	22.3#



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

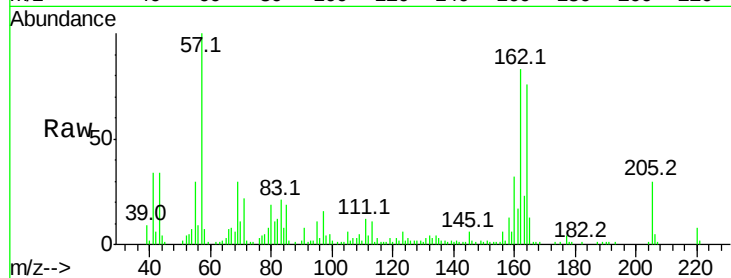




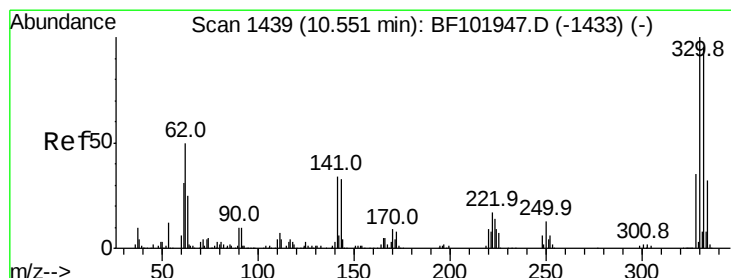
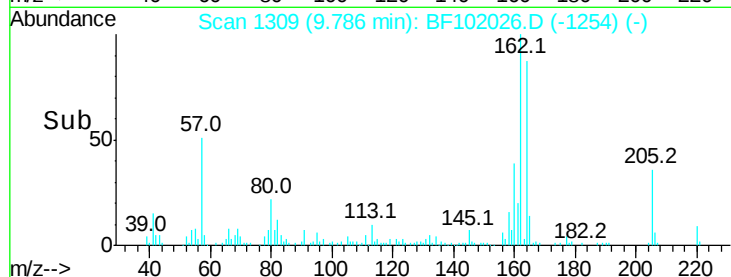
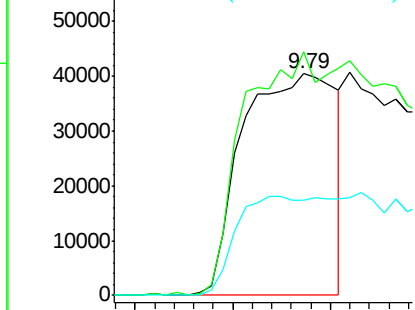
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. 0.02 min
 Lab File: BF102026.D
 Acq: 11 Jan 2018 18:46

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-27007

Tot Ion:164 Resp: 133234
 Ion Ratio Lower Upper
 164 100
 162 109.9 86.1 129.1
 160 43.0 38.3 57.5

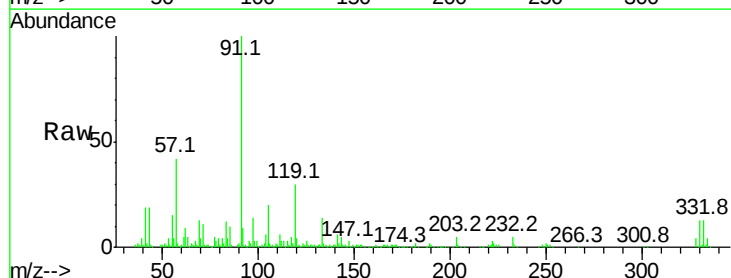


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

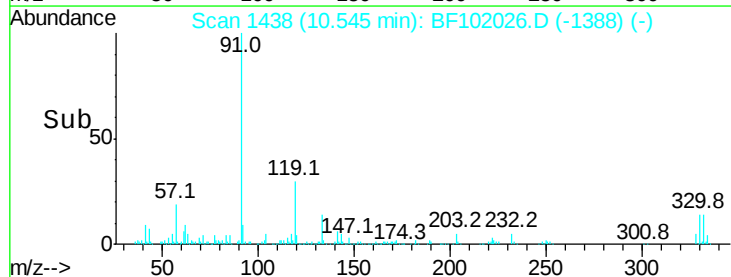
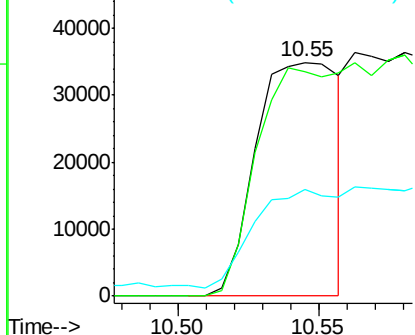


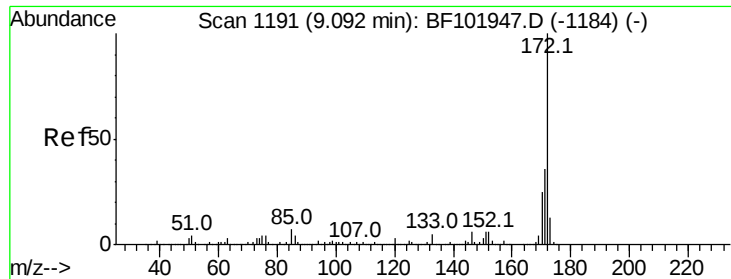
#41
 2,4,6-Tribromophenol
 Concen: 60.921 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102026.D
 Acq: 11 Jan 2018 18:46

Tgt Ion:330 Resp: 70834
 Ion Ratio Lower Upper
 330 100
 332 79.6 77.0 115.6
 141 40.5 29.9 44.9



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

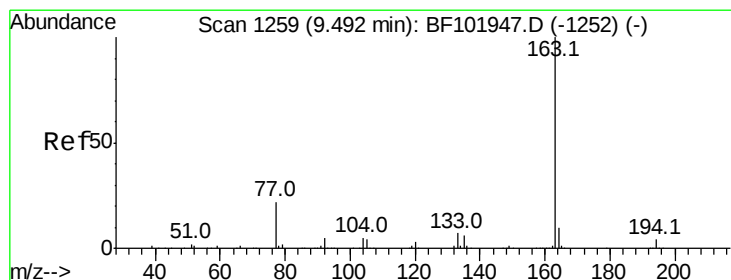
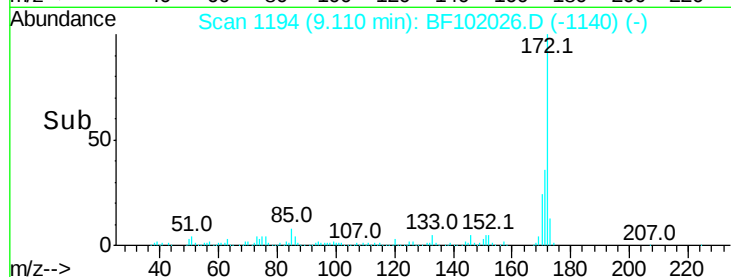
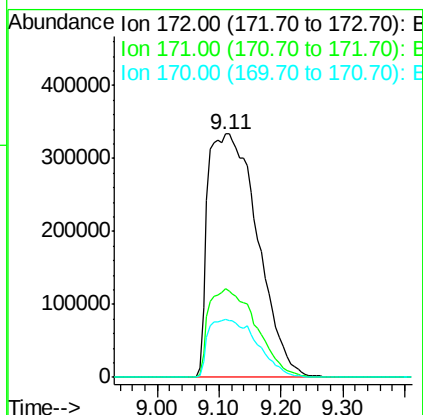
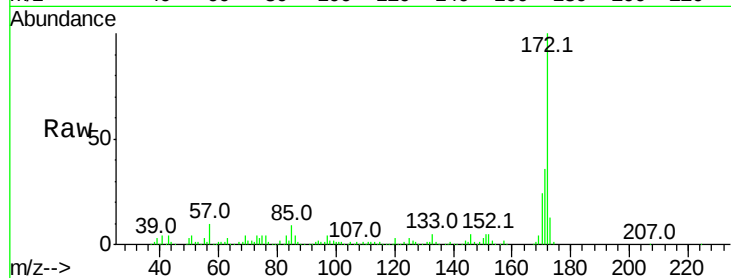




#44
2-Fluorobiphenyl
Concen: 217.889 ng
RT: 9.11 min Scan# 1194
Delta R.T. 0.02 min
Lab File: BF102026.D
Acq: 11 Jan 2018 18:46

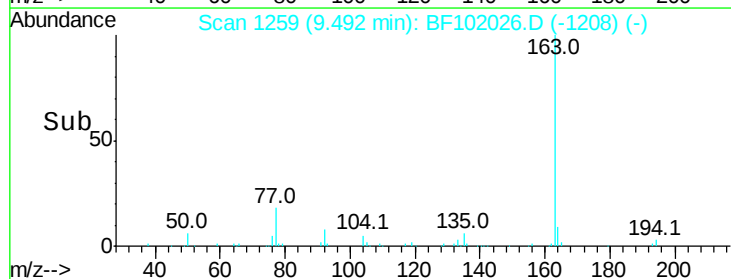
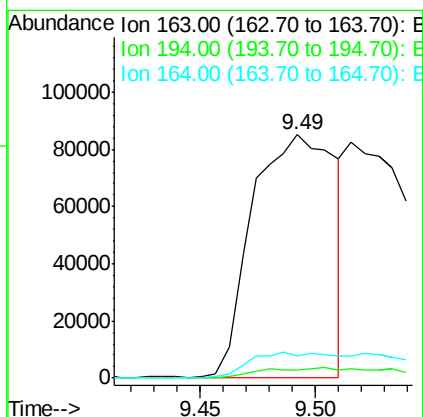
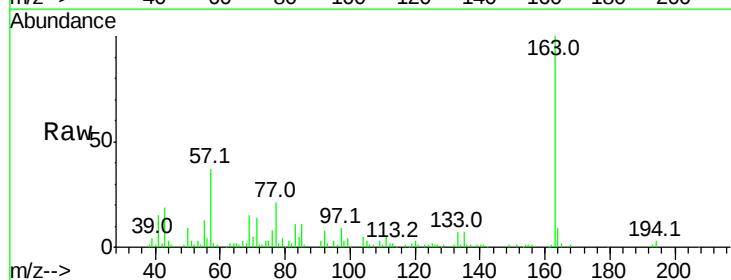
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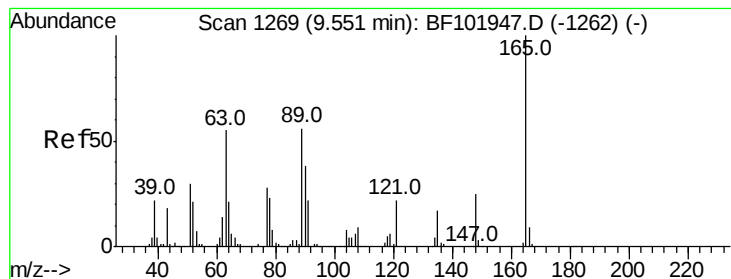
Tot Ion:172 Resp: 1858206
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 24.0 19.6 29.4



#49
Dimethylphthalate
Concen: 19.892 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.00 min
Lab File: BF102026.D
Acq: 11 Jan 2018 18:46

Tgt Ion:163 Resp: 212605
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 9.2 8.2 12.2





#50

2,6-Dinitrotoluene

Concen: 4.285 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BF102026.D

Acq: 11 Jan 2018 18:46

Instrument :

BNA_F

ClientSampleId :

CHRT-27007

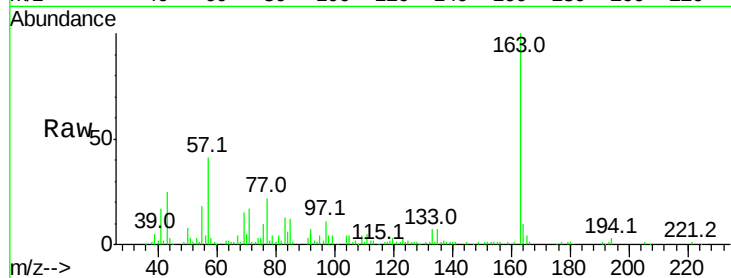
Tot Ion:165 Resp: 9149

Ion Ratio Lower Upper

165 100

63 54.5 44.7 67.1

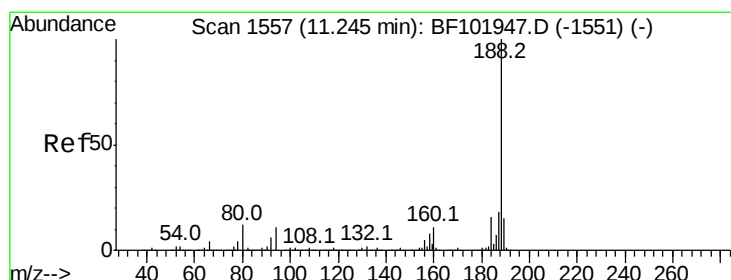
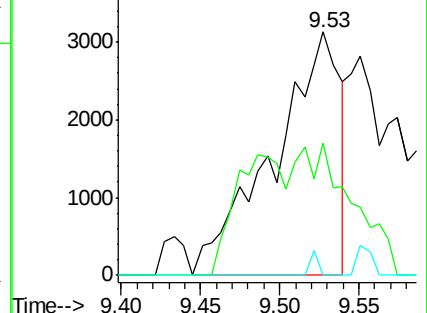
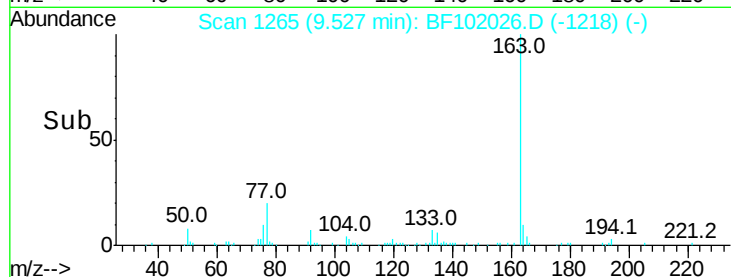
89 0.0 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF102026.D

Acq: 11 Jan 2018 18:46

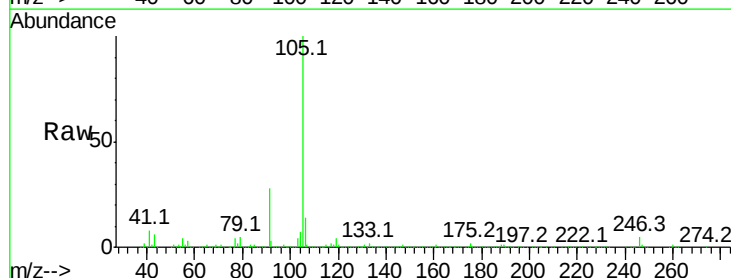
Tgt Ion:188 Resp: 70482

Ion Ratio Lower Upper

188 100

94 15.3 8.5 12.7#

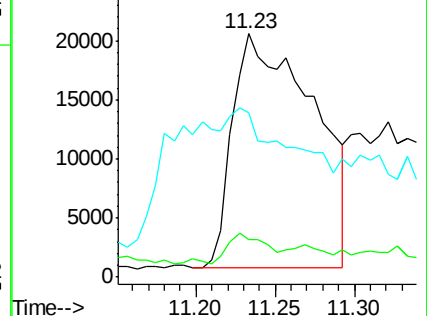
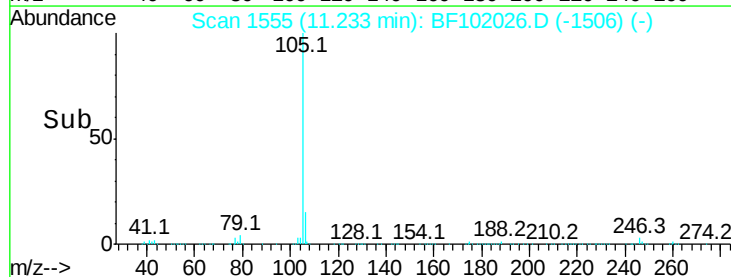
80 67.6 9.2 13.8#

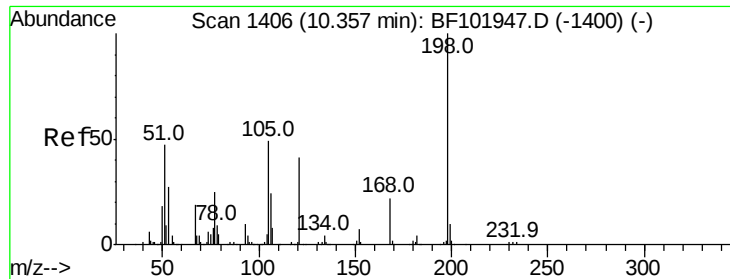


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 5.918 ng

RT: 10.62 min Scan# 1450

Delta R.T. 0.26 min

Lab File: BF102026.D

Acq: 11 Jan 2018 18:46

Instrument :

BNA_F

ClientSampleId :

CHRT-27007

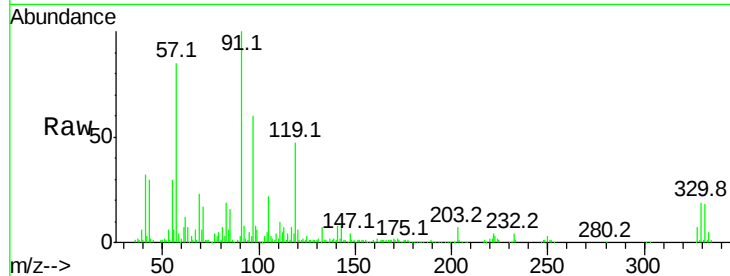
Tot Ion:198 Resp: 111

Ion Ratio Lower Upper

198 100

51 998.7 37.7 77.7#

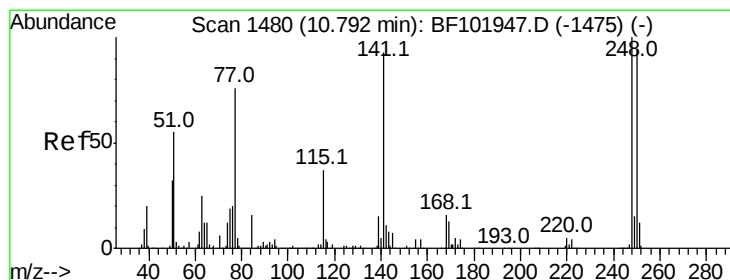
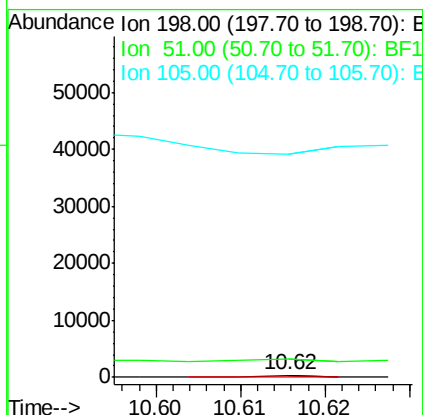
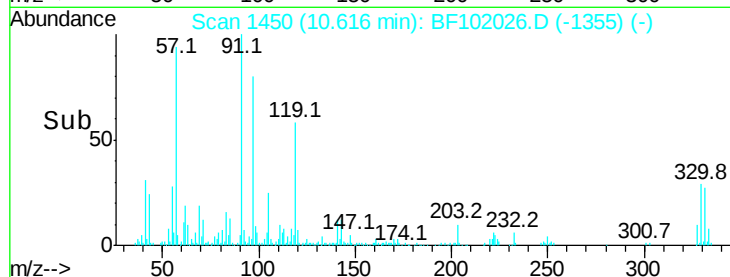
105 12440.8 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.730 ng

RT: 10.83 min Scan# 1487

Delta R.T. 0.04 min

Lab File: BF102026.D

Acq: 11 Jan 2018 18:46

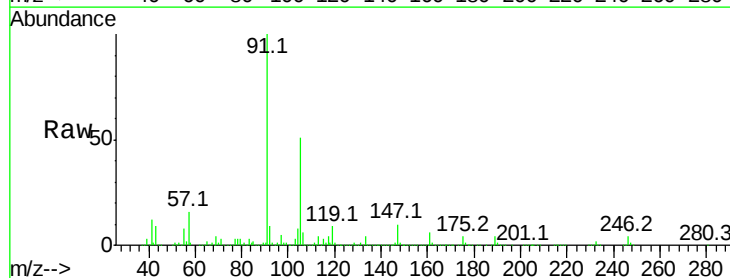
Tgt Ion:248 Resp: 3521

Ion Ratio Lower Upper

248 100

250 0.0 76.9 115.3#

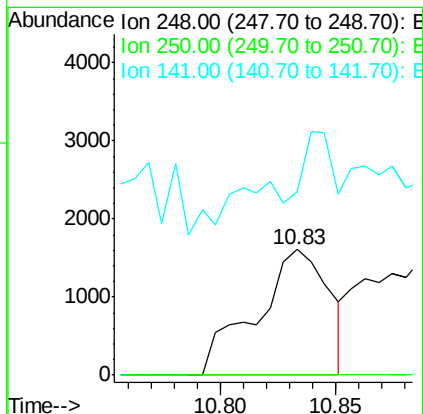
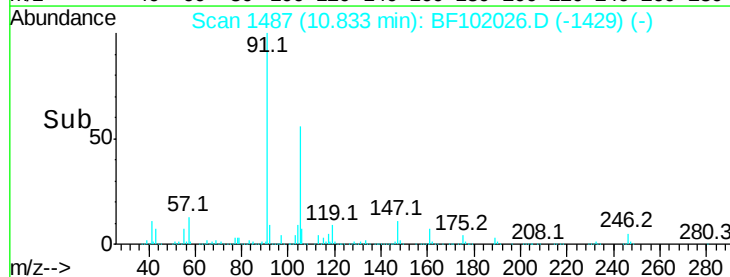
141 146.0 74.4 111.6#

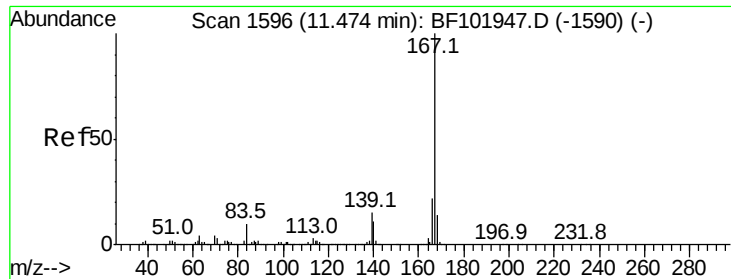


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#72

Carbazole

Concen: 7.094 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.04 min

Lab File: BF102026.D

Acq: 11 Jan 2018 18:46

Instrument :

BNA_F

ClientSampleId :

CHRT-27007

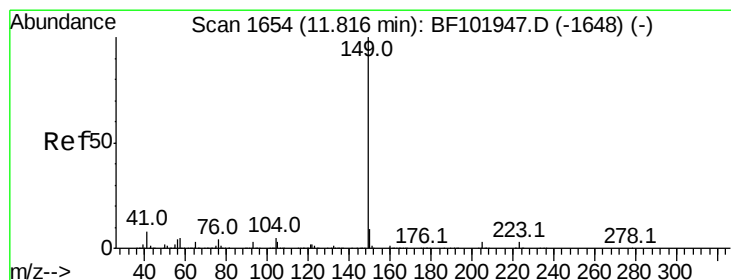
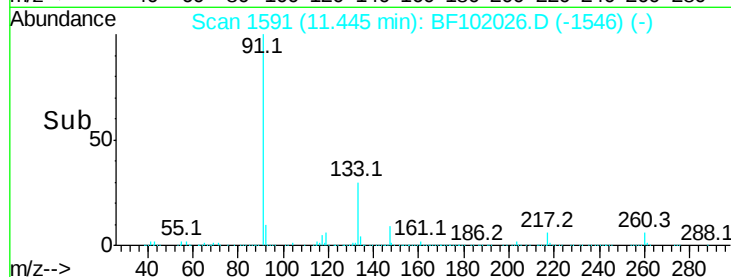
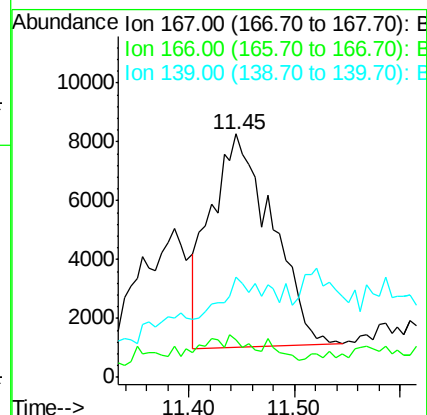
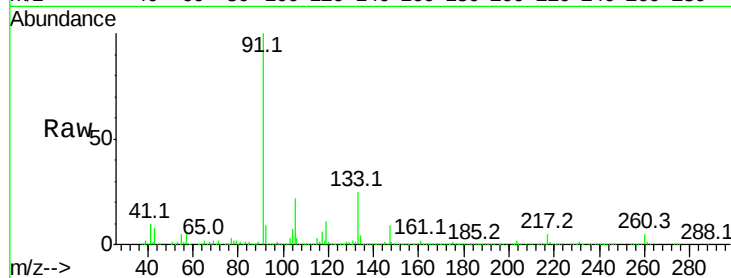
Tot Ion:167 Resp: 29116

Ion Ratio Lower Upper

167 100

166 15.6 17.6 26.4#

139 40.9 10.9 16.3#



#73

Di-n-butylphthalate

Concen: 3.036 ng

RT: 11.84 min Scan# 1658

Delta R.T. 0.03 min

Lab File: BF102026.D

Acq: 11 Jan 2018 18:46

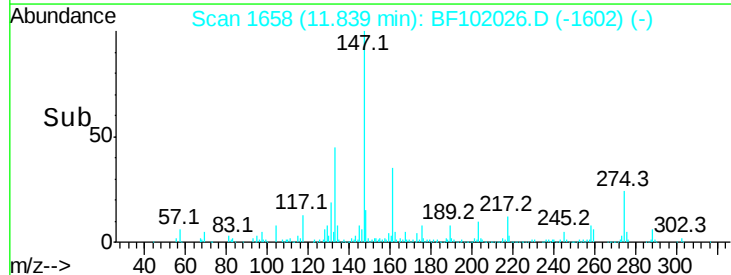
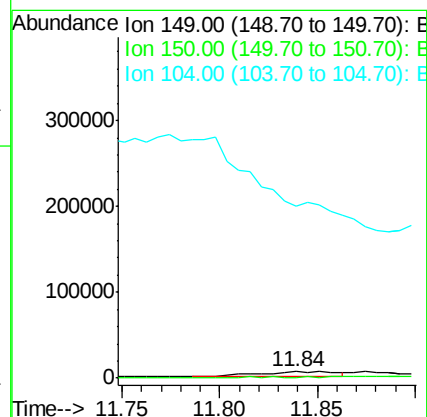
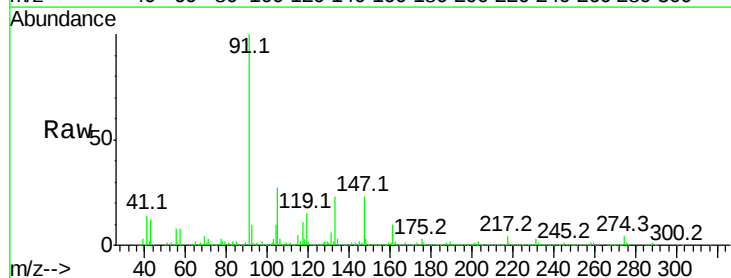
Tgt Ion:149 Resp: 15287

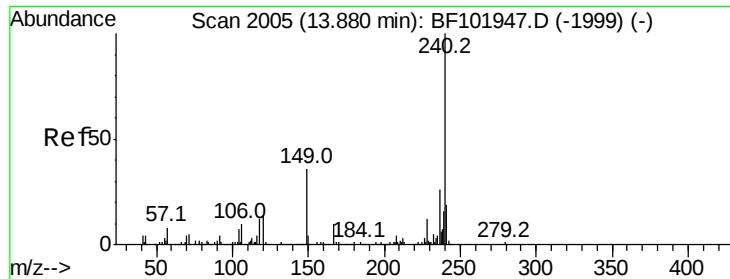
Ion Ratio Lower Upper

149 100

150 15.0 7.8 11.6#

104 2641.5 3.8 5.8#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.04 min

Lab File: BF102026.D

Acq: 11 Jan 2018 18:46

Instrument :

BNA_F

ClientSampleId :

CHRT-27007

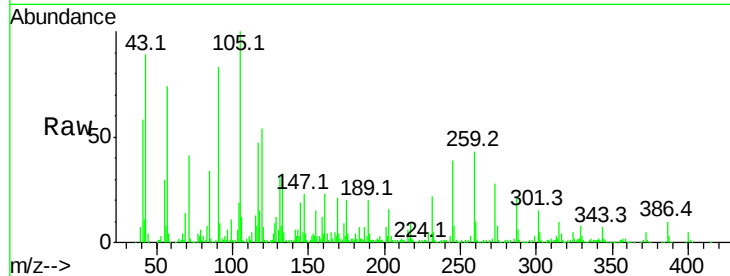
Tot Ion:240 Resp: 1309

Ion Ratio Lower Upper

240 100

120 1105.7 9.5 14.3#

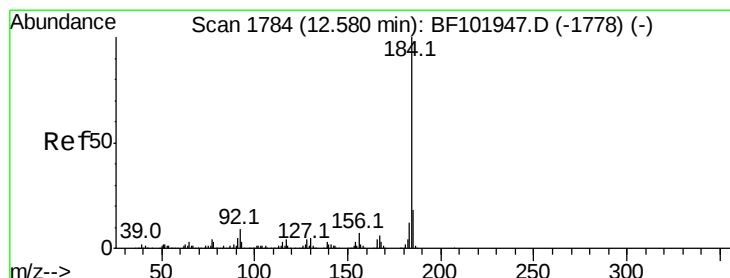
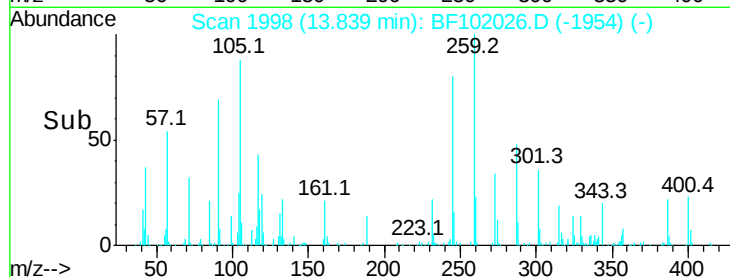
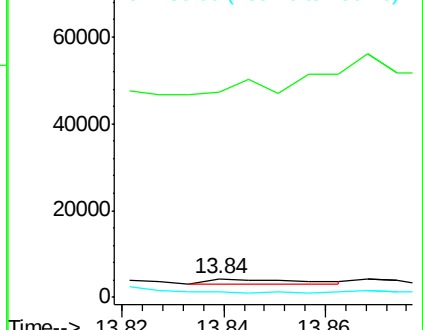
236 27.8 20.7 31.1



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



#76

Benzidine

Concen: 10.220 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.03 min

Lab File: BF102026.D

Acq: 11 Jan 2018 18:46

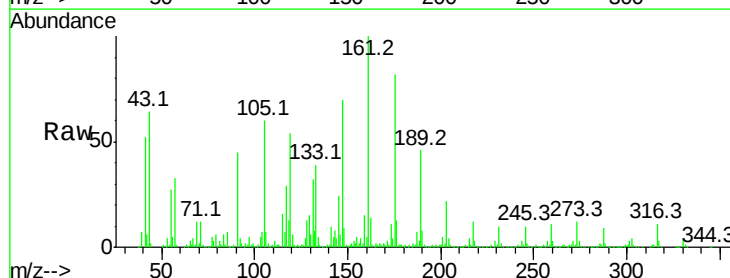
Tgt Ion:184 Resp: 646

Ion Ratio Lower Upper

184 100

185 438.3 12.6 18.8#

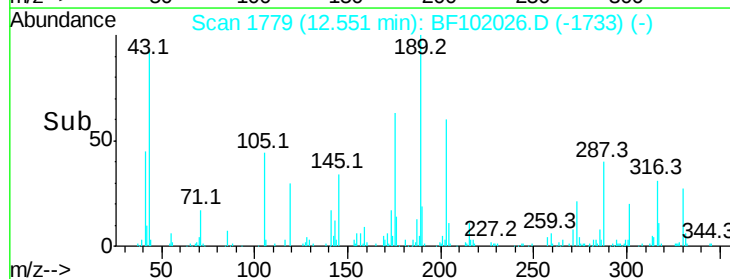
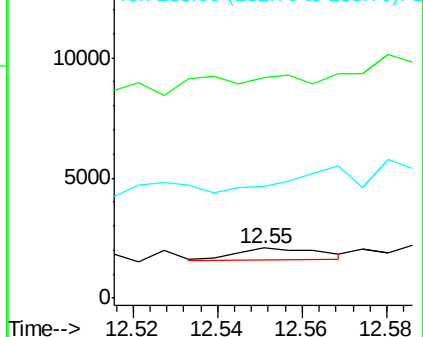
183 221.8 9.3 13.9#

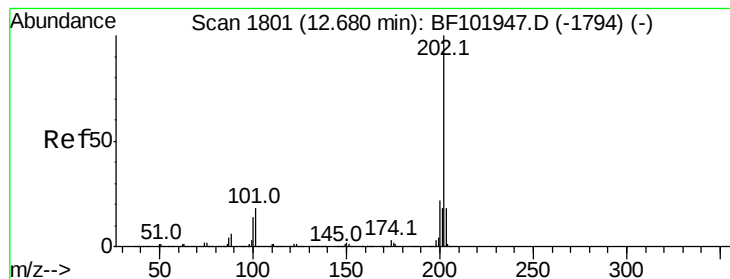


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 15.245 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.04 min

Lab File: BF102026.D

Acq: 11 Jan 2018 18:46

Instrument :

BNA_F

ClientSampleId :

CHRT-27007

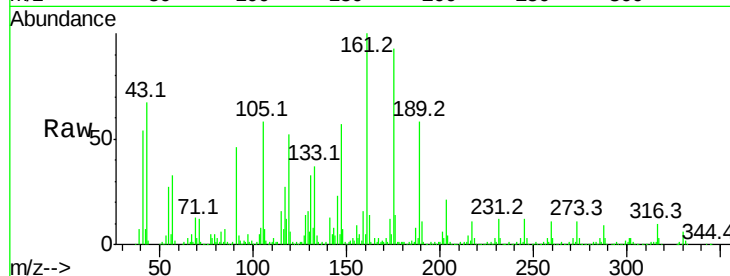
Tot Ion:202 Resp: 1764

Ion Ratio Lower Upper

202 100

200 28.3 17.4 26.2#

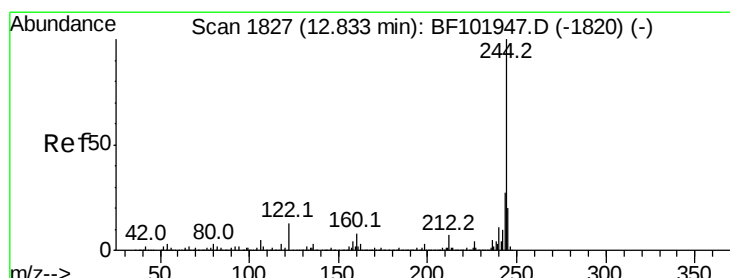
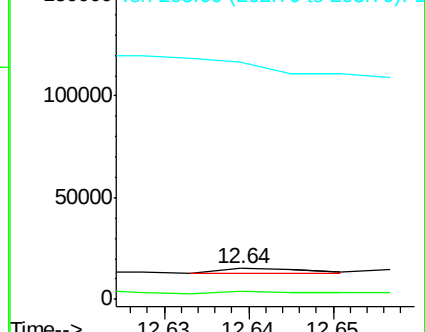
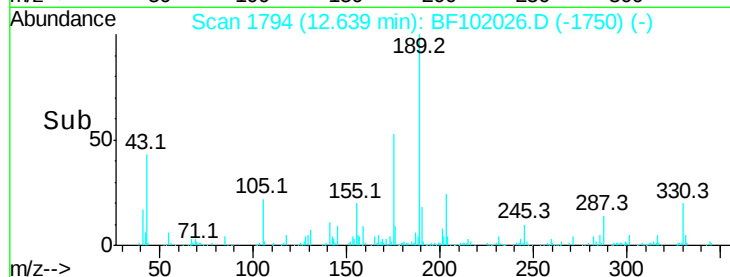
203 777.2 14.3 21.5#



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



#78

Terphenyl-d14

Concen: 24.776 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.11 min

Lab File: BF102026.D

Acq: 11 Jan 2018 18:46

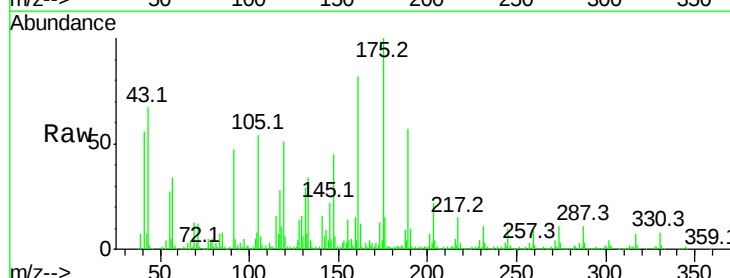
Tgt Ion:244 Resp: 1562

Ion Ratio Lower Upper

244 100

212 35.5 5.4 8.0#

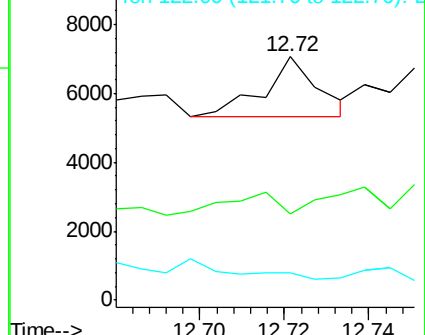
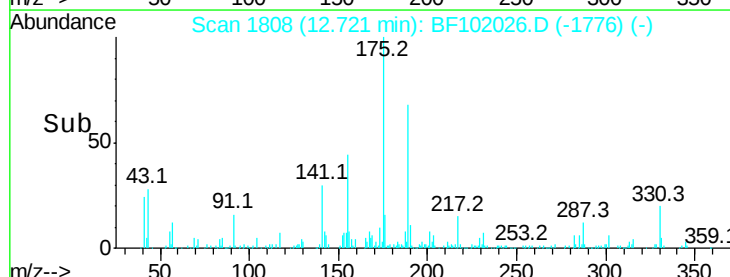
122 11.5 11.0 16.4

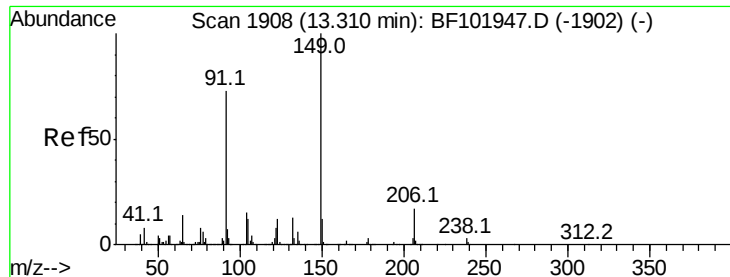


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 36.233 ng

RT: 13.28 min Scan# 1903

Delta R.T. -0.03 min

Lab File: BF102026.D

Acq: 11 Jan 2018 18:46

Instrument :

BNA_F

ClientSampleId :

CHRT-27007

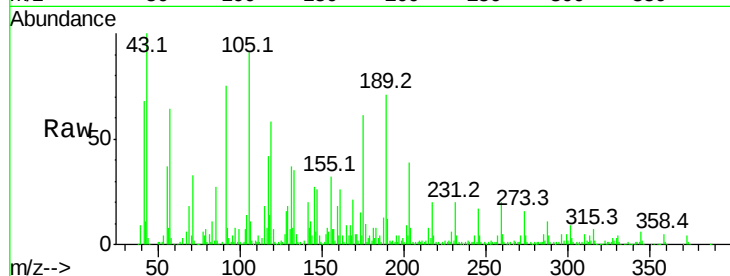
Tot Ion:149 Resp: 1924

Ion Ratio Lower Upper

149 100

91 10374.3 56.8 85.2#

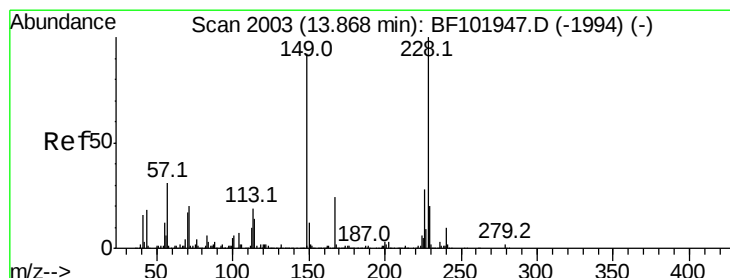
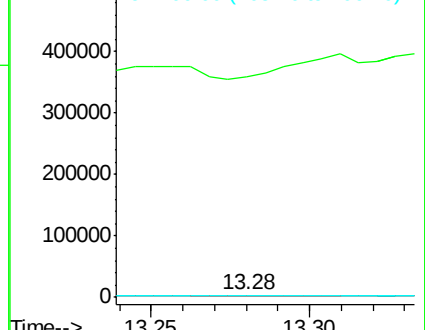
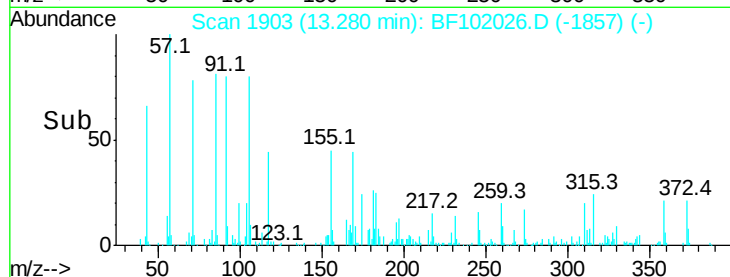
206 55.6 14.1 21.1#



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



#80

Benzo(a)anthracene

Concen: 17.888 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.02 min

Lab File: BF102026.D

Acq: 11 Jan 2018 18:46

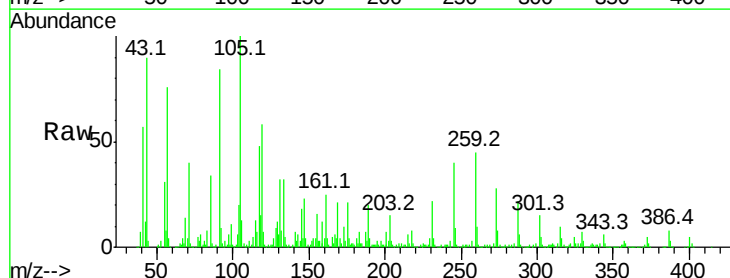
Tgt Ion:228 Resp: 1494

Ion Ratio Lower Upper

228 100

226 108.0 22.6 33.8#

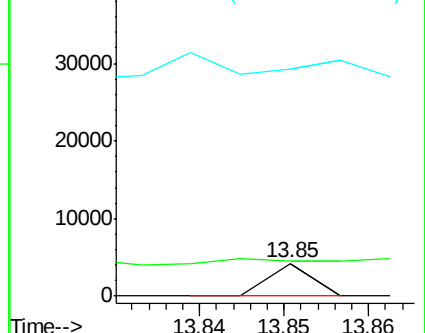
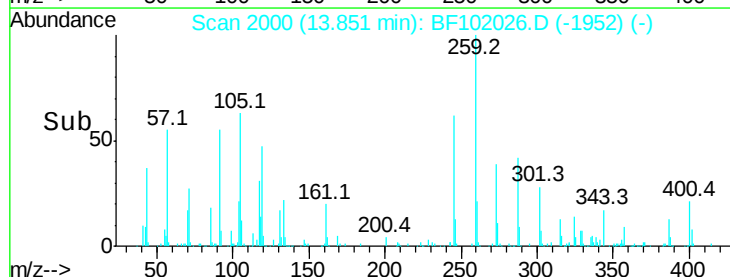
229 690.0 15.8 23.6#

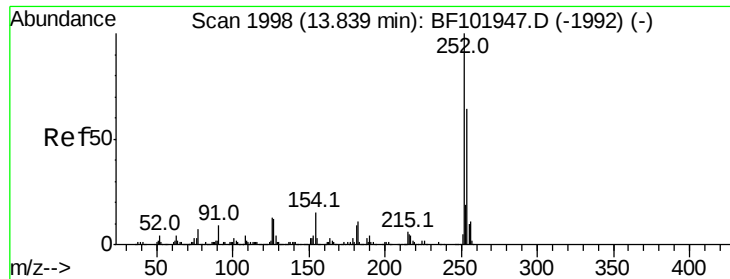


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

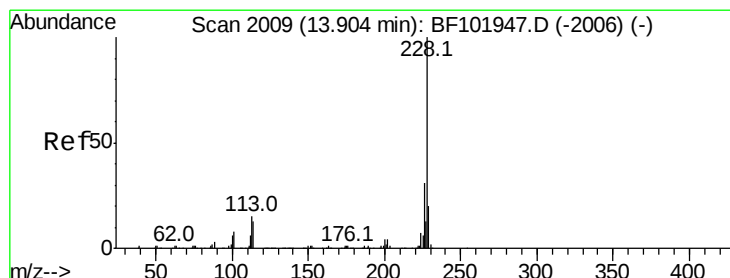
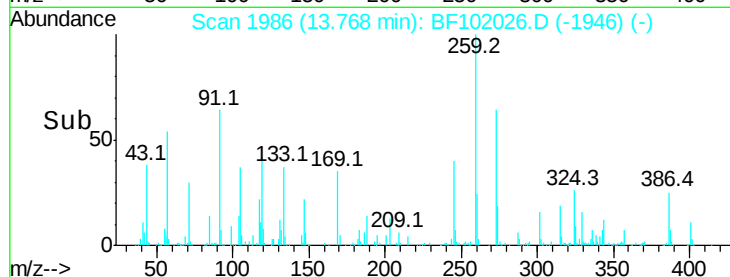
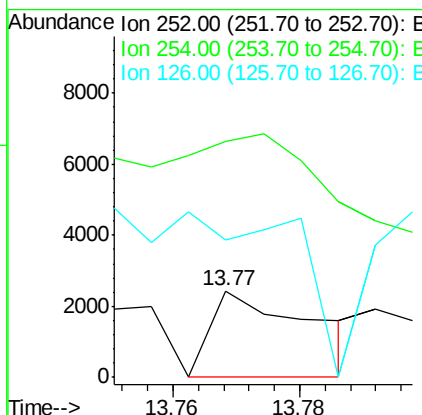
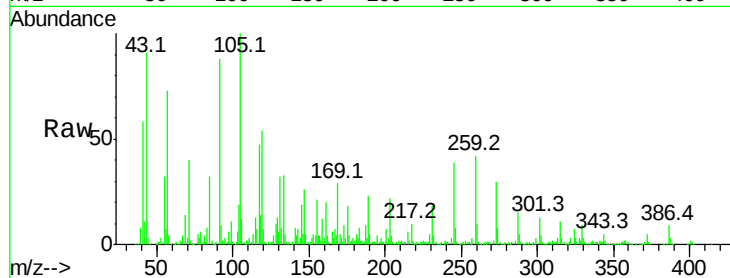




#81
 3,3'-Dichlorobenzidine
 Concen: 85.047 ng
 RT: 13.77 min Scan# 1986
 Delta R.T. -0.06 min
 Lab File: BF102026.D
 Acq: 11 Jan 2018 18:46

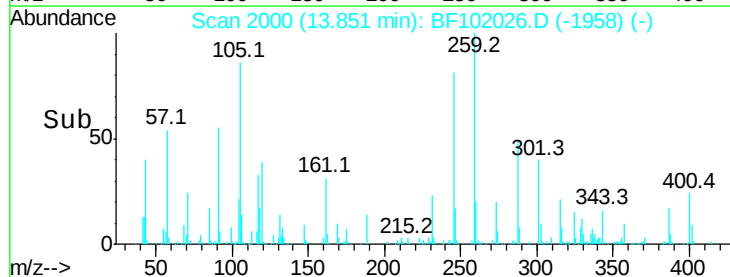
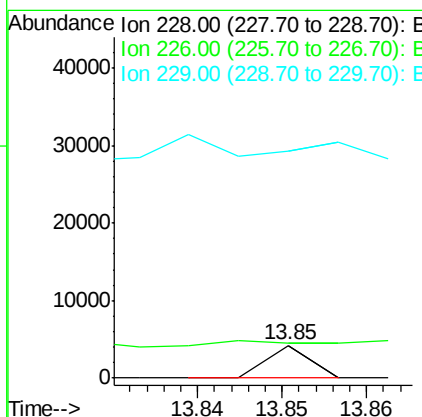
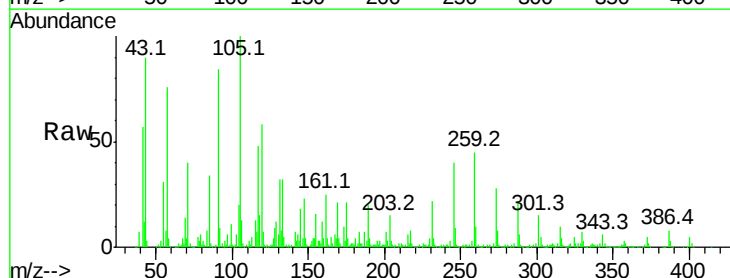
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-27007

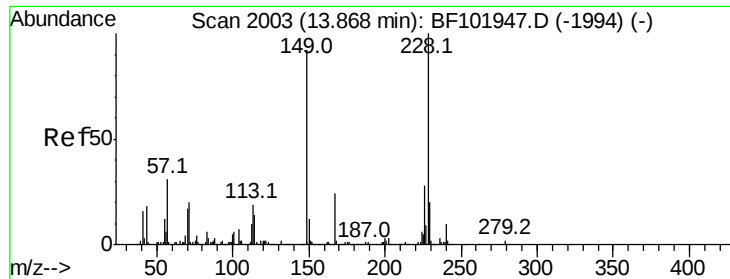
Tot Ion:252 Resp: 2630
 Ion Ratio Lower Upper
 252 100
 254 272.3 50.4 75.6#
 126 158.2 11.3 16.9#



#82
 Chrysene
 Concen: 17.155 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.05 min
 Lab File: BF102026.D
 Acq: 11 Jan 2018 18:46

Tgt Ion:228 Resp: 1494
 Ion Ratio Lower Upper
 228 100
 226 108.0 25.0 37.6#
 229 690.0 16.2 24.4#

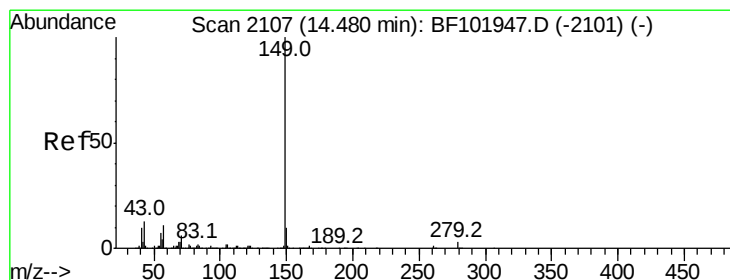
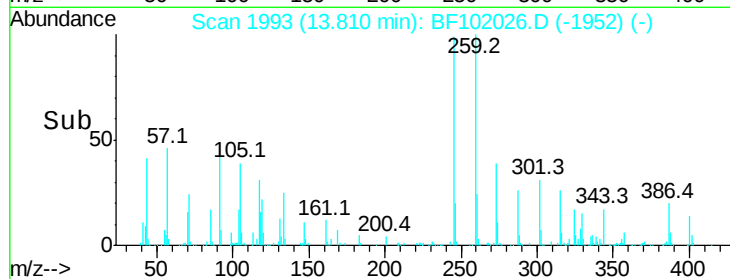
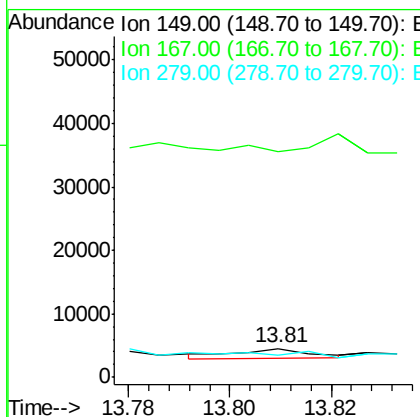
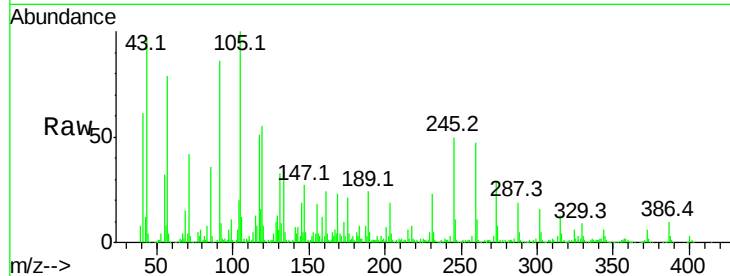




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 24.854 ng
 RT: 13.81 min Scan# 1993
 Delta R.T. -0.06 min
 Lab File: BF102026.D
 Acq: 11 Jan 2018 18:46

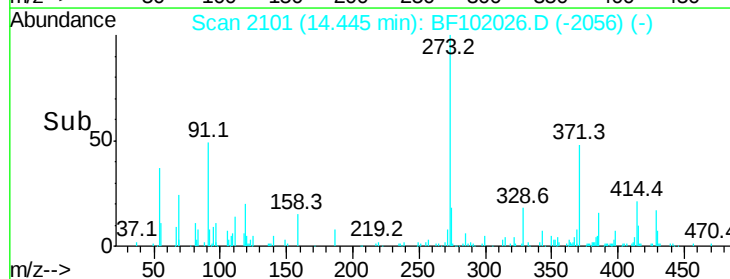
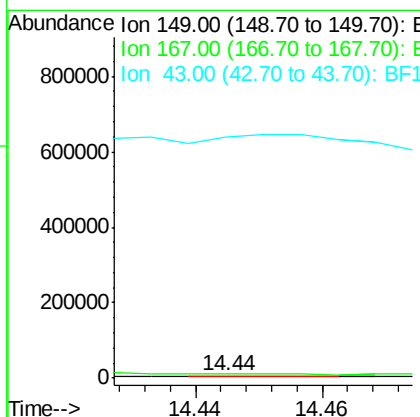
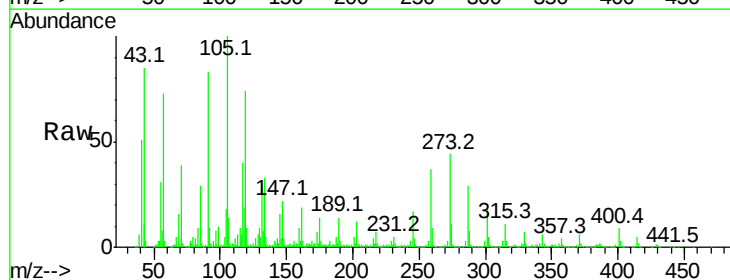
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-27007

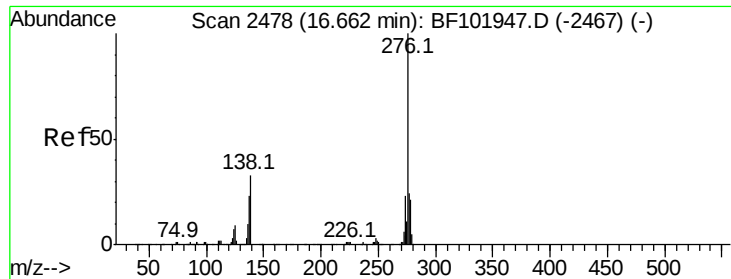
Tot Ion:149 Resp: 1514
 Ion Ratio Lower Upper
 149 100
 167 785.8 21.3 31.9#
 279 75.3 3.0 4.4#



#84
 Di-n-octyl phthalate
 Concen: 8.597 ng
 RT: 14.44 min Scan# 2101
 Delta R.T. -0.04 min
 Lab File: BF102026.D
 Acq: 11 Jan 2018 18:46

Tgt Ion:149 Resp: 869
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.2 1.8#
 43 0.0 8.4 12.6#

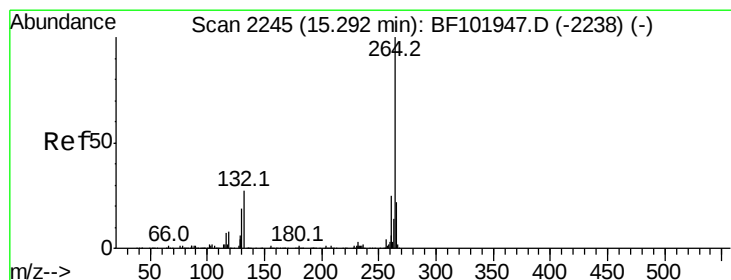
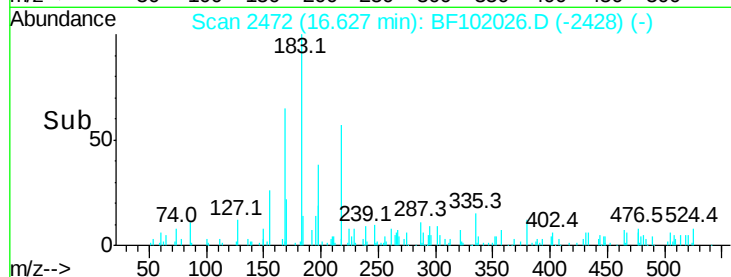
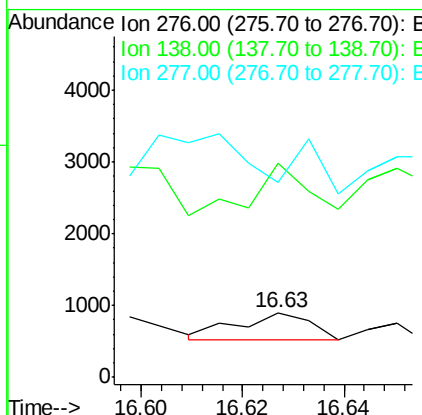
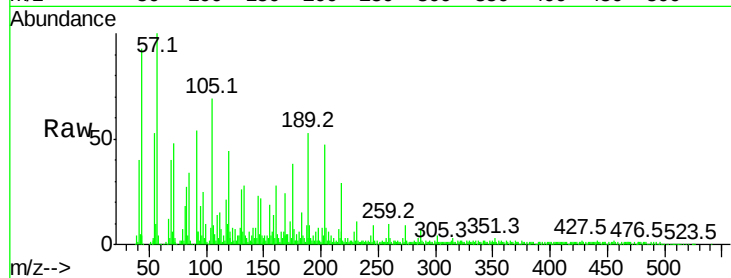




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.853 ng
RT: 16.63 min Scan# 2472
Delta R.T. -0.04 min
Lab File: BF102026.D
Acq: 11 Jan 2018 18:46

Instrument :
BNA_F
ClientSampleId :
CHRT-27007

Tot Ion:276 Resp: 371
Ion Ratio Lower Upper
276 100
138 85.2 25.0 37.6#
277 0.0 20.1 30.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.18 min
Lab File: BF102026.D
Acq: 11 Jan 2018 18:46

Tgt Ion:264 Resp: 86346
Ion Ratio Lower Upper
264 100
260 27.4 19.2 28.8
265 24.6 17.5 26.3

