

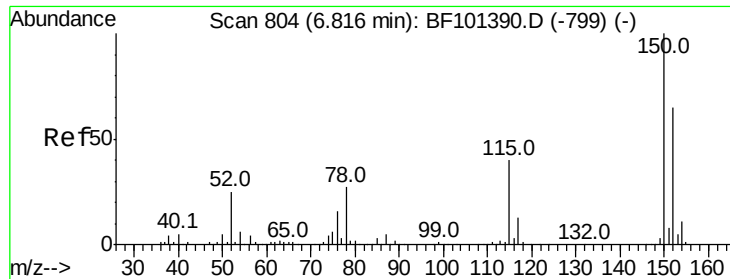
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121517\
 Data File : BF101455.D
 Acq On : 15 Dec 2017 20:48
 Operator : SJ/JU
 Sample : I6889-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 15 21:46:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 17:36:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	188005	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	760620	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	316402	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	530448	20.00	ng	0.00
75) Chrysene-d12	13.99	240	366802	20.00	ng	0.00
86) Perylene-d12	15.47	264	321576	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1255753	99.49	ng	0.02
7) Phenol-d6	6.46	99	1530407	97.43	ng	0.00
23) Nitrobenzene-d5	7.39	82	966568	70.74	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	303027	99.39	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1362154	66.78	ng	0.00
78) Terphenyl-d14	12.93	244	1040552	68.39	ng	0.00
Target Compounds						
10) Phenol	6.47	94	89716	5.011	ng	95
19) n-Nitroso-di-n-propylamine	7.39	70	129365	12.541	ng	# 83
25) Isophorone	7.39	82	966564	35.262	ng	# 64
32) Benzoic acid	8.09	122	108	7.973	ng	# 1
49) Dimethylphthalate	9.57	163	199974	7.857	ng	99
56) 2,4-Dinitrotoluene	9.85	165	38632	6.629	ng	# 23
62) Azobenzene	10.56	77	118439	4.536	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	18807	3.155	ng	# 1

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

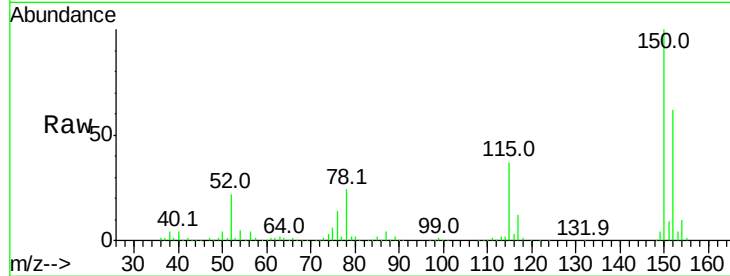


#1

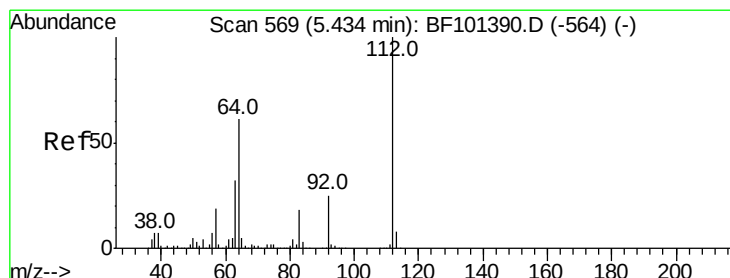
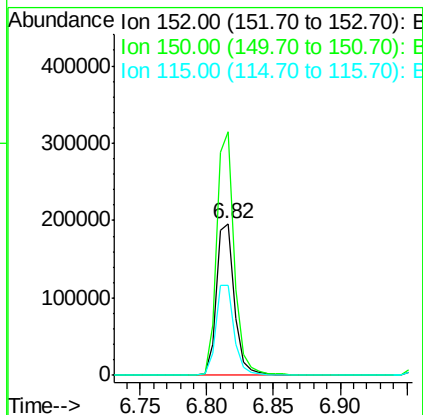
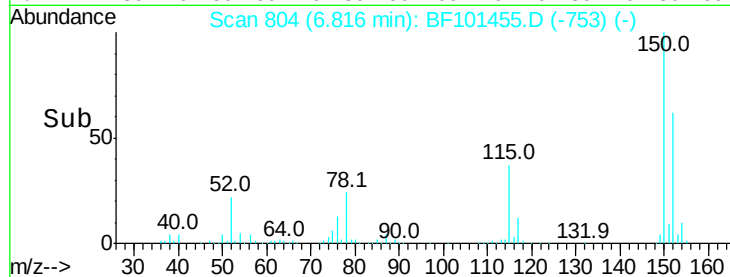
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF101455.D
Acq: 15 Dec 2017 20:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 188005
Ion Ratio Lower Upper
152 100
150 160.3 124.6 186.8
115 59.5 50.1 75.1



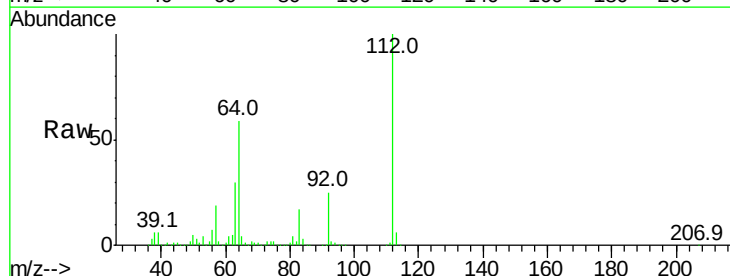
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



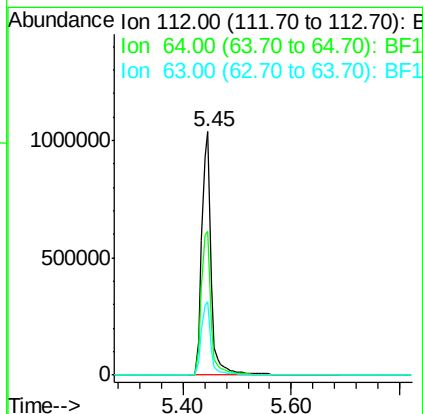
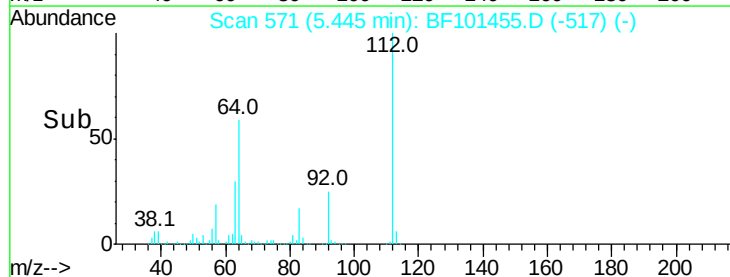
#5

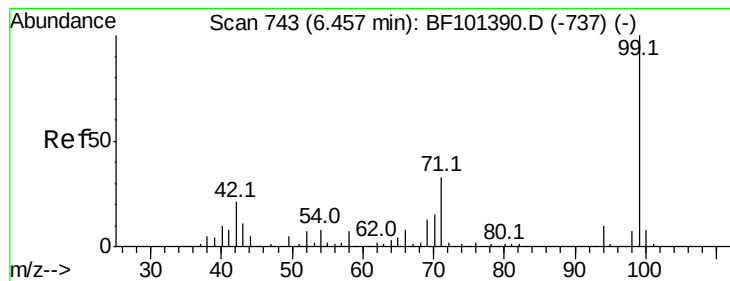
2-Fluorophenol
Concen: 99.494 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.02 min
Lab File: BF101455.D
Acq: 15 Dec 2017 20:48

Tgt Ion:112 Resp: 1255753
Ion Ratio Lower Upper
112 100
64 59.3 47.9 71.9
63 30.3 23.7 35.5



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: 97.430 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF101455.D

Acq: 15 Dec 2017 20:48

Instrument :

BNA_F

ClientSampleId :

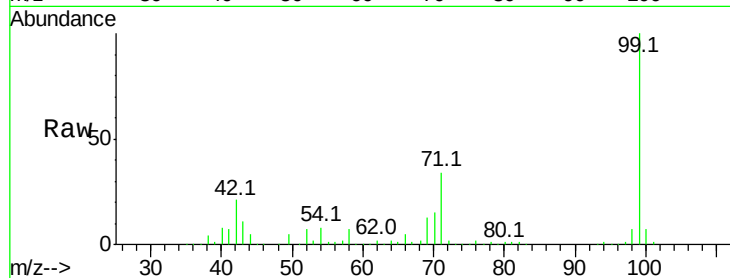
Tot Ion: 99 Resp: 1530407

Ion	Ratio	Lower	Upper
99	100		
42	21.1	14.5	21.7
71	34.0	25.4	38.0

99 100

42 21.1 14.5 21.7

71 34.0 25.4 38.0

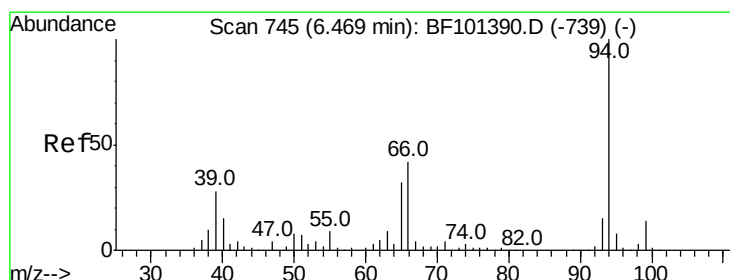
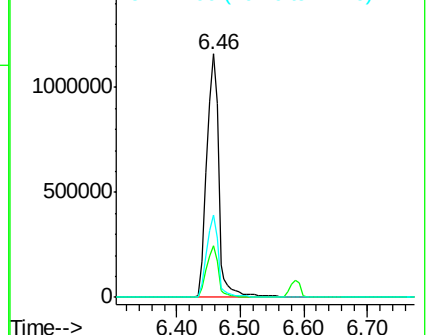
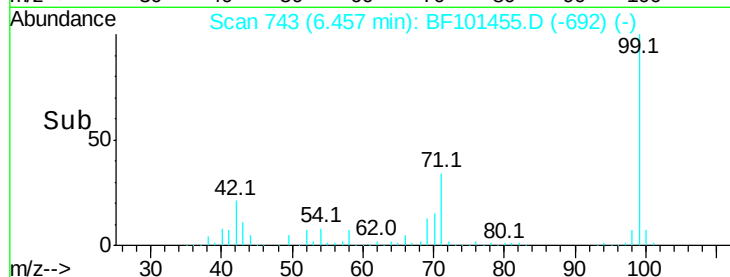


Abundance

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



#10

Phenol

Concen: 5.011 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.00 min

Lab File: BF101455.D

Acq: 15 Dec 2017 20:48

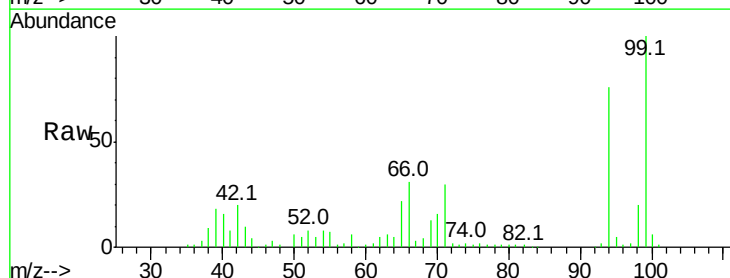
Tgt Ion: 94 Resp: 89716

Ion	Ratio	Lower	Upper
94	100		
65	28.7	7.9	47.9
66	40.5	16.2	56.2

94 100

65 28.7 7.9 47.9

66 40.5 16.2 56.2

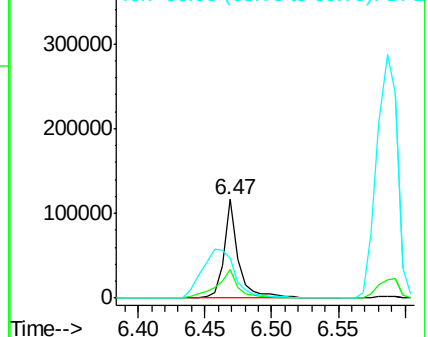
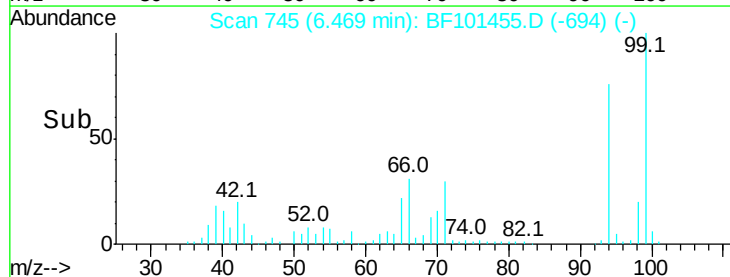


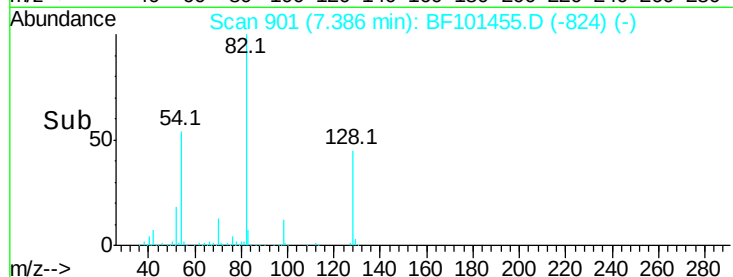
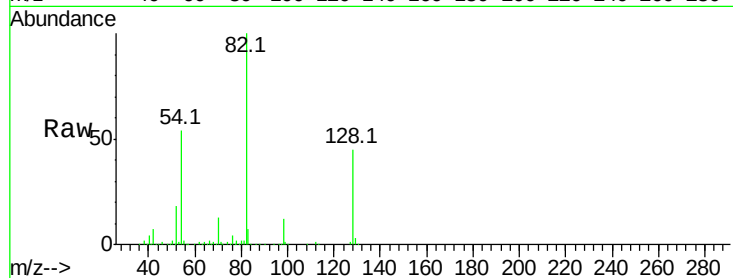
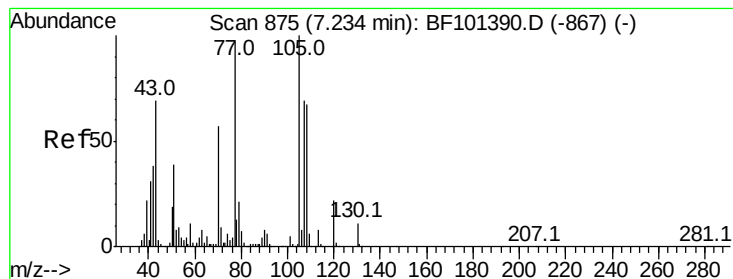
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 12.541 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF101455.D

Acq: 15 Dec 2017 20:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 129365

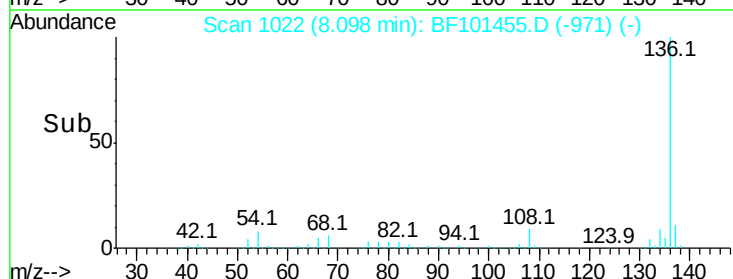
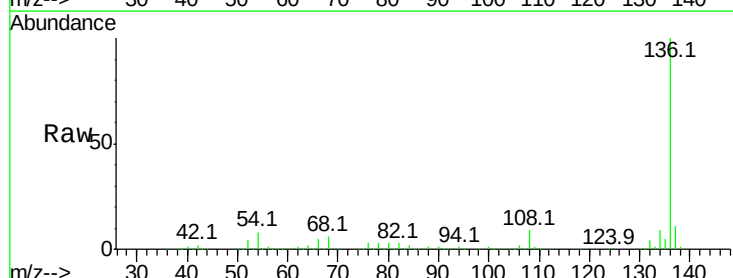
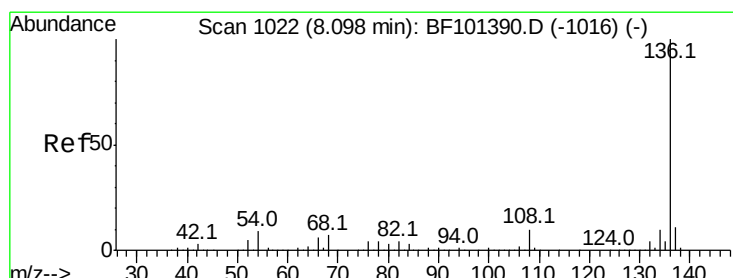
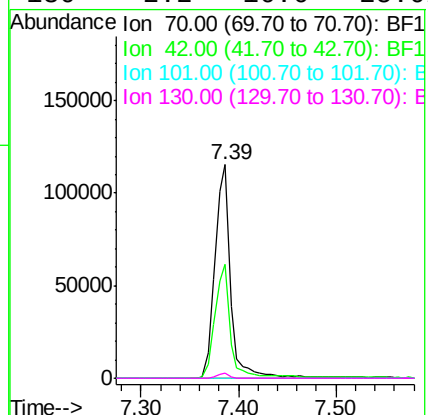
Ion Ratio Lower Upper

70 100

42 53.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF101455.D

Acq: 15 Dec 2017 20:48

Tgt Ion: 136 Resp: 760620

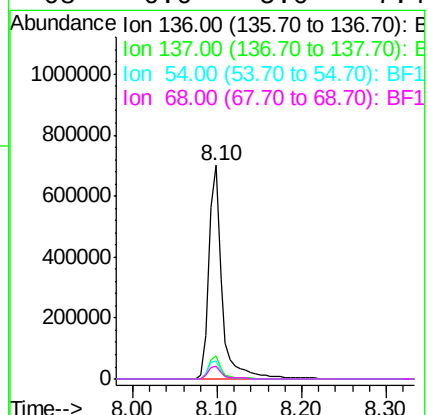
Ion Ratio Lower Upper

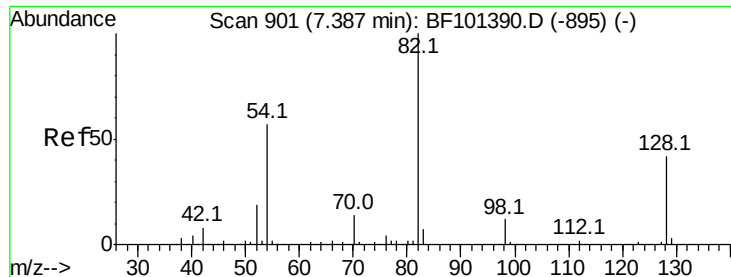
136 100

137 10.7 8.9 13.3

54 8.3 6.6 9.8

68 6.0 5.0 7.4





#23

Nitrobenzene-d5

Concen: 70.738 ng

RT: 7.39 min Scan# 901

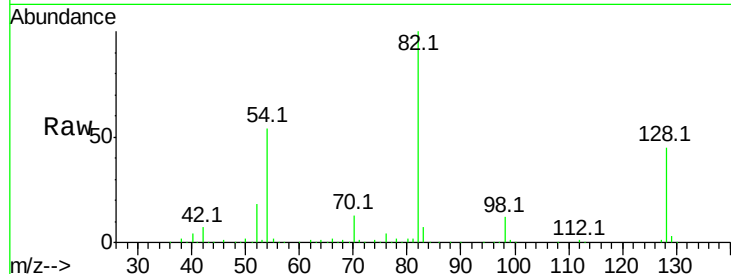
Delta R.T. 0.00 min

Lab File: BF101455.D

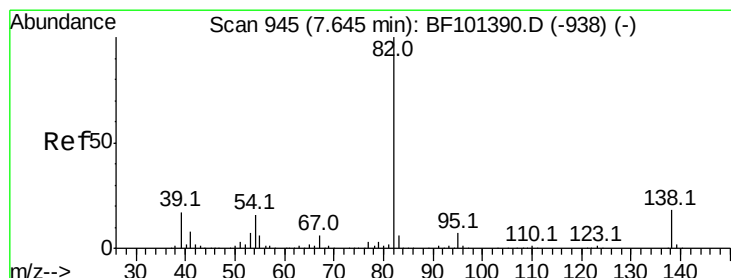
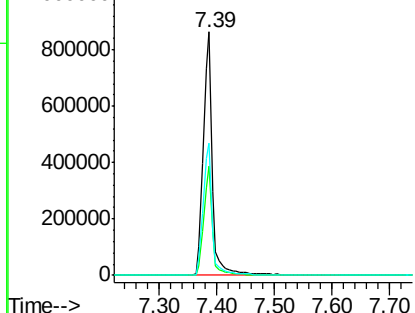
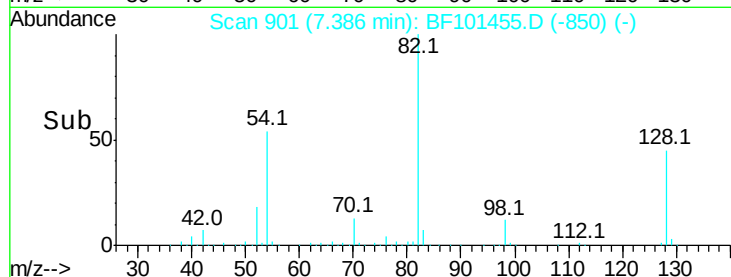
Acq: 15 Dec 2017 20:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:	82	Resp:	966568
Ion	Ratio	Lower	Upper
82	100		
128	44.9	36.1	54.1
54	54.2	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: 35.262 ng

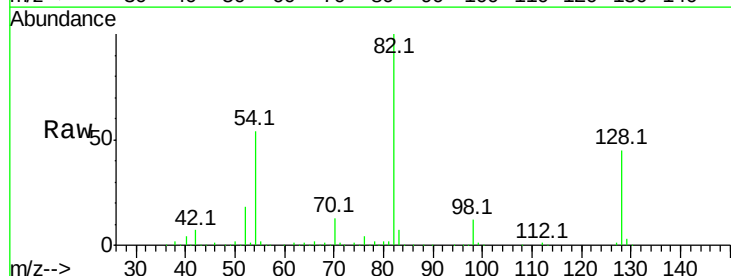
RT: 7.39 min Scan# 901

Delta R.T. -0.25 min

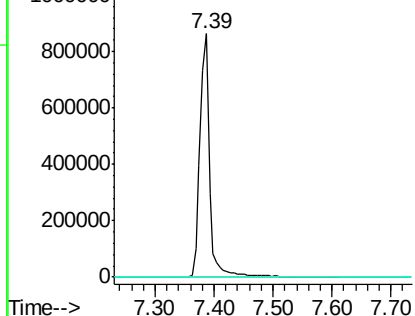
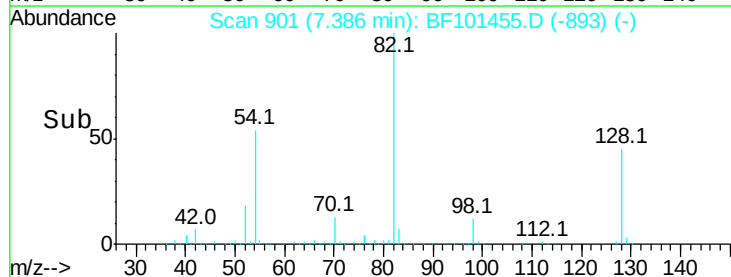
Lab File: BF101455.D

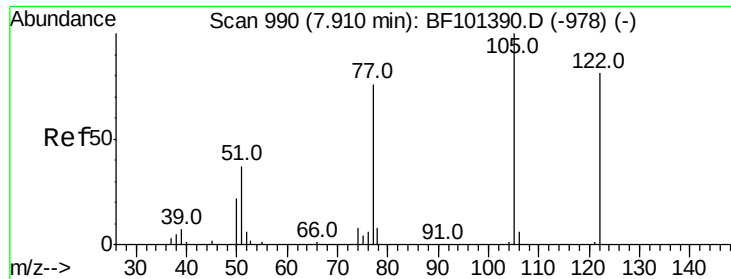
Acq: 15 Dec 2017 20:48

Tgt Ion:	82	Resp:	966564
Ion	Ratio	Lower	Upper
82	100		
95	0.0	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

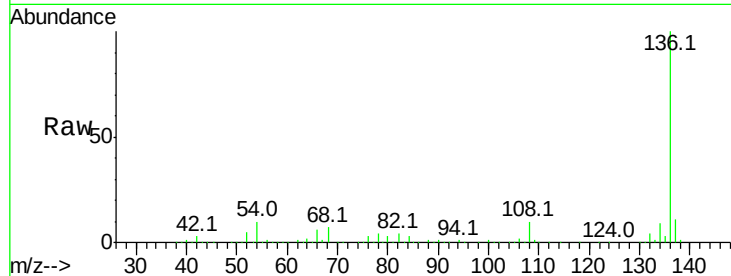




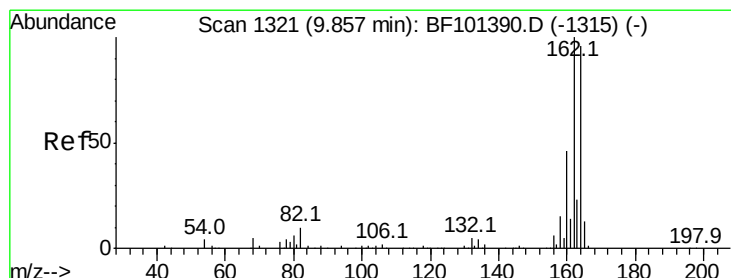
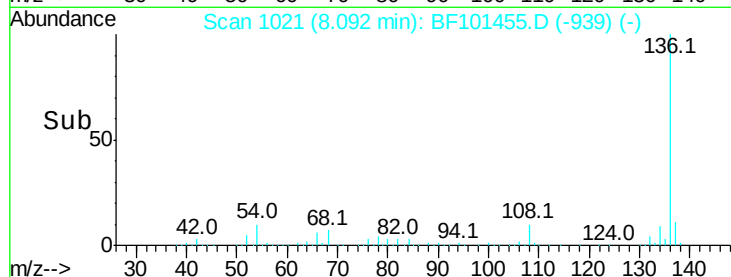
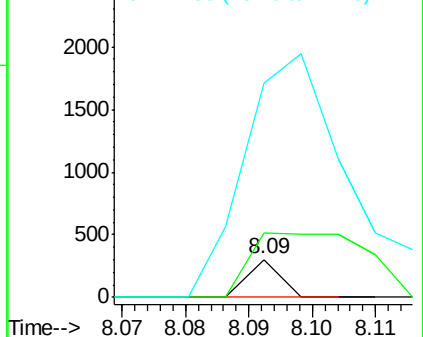
#32
Benzoic acid
Concen: 7.973 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.18 min
Lab File: BF101455.D
Acq: 15 Dec 2017 20:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:122 Resp: 108
Ion Ratio Lower Upper
122 100
105 168.5 101.1 141.1#
77 560.0 70.7 110.7#

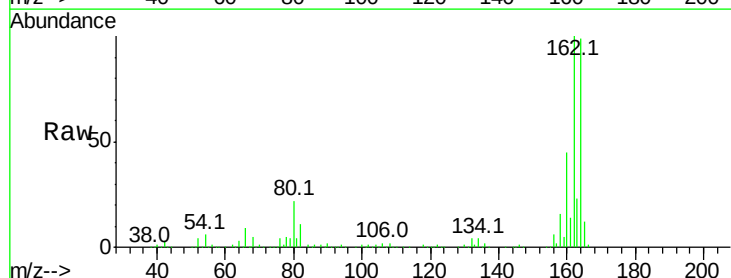


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

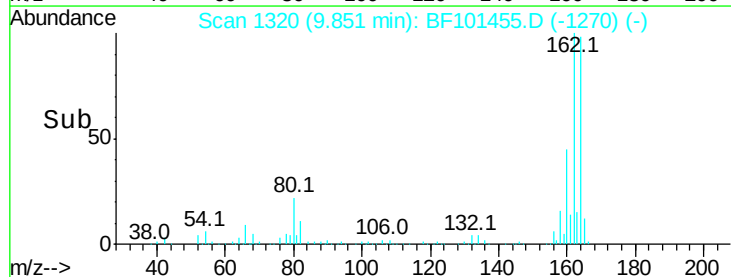
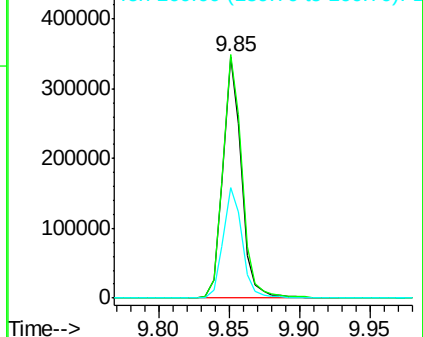


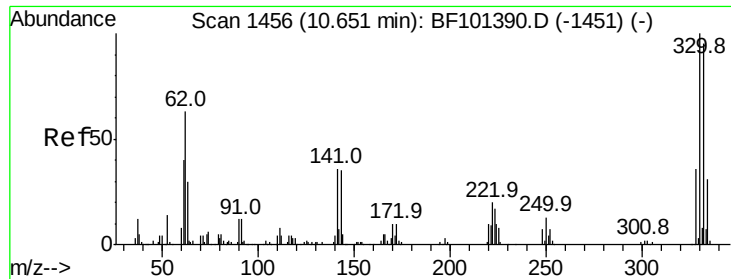
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF101455.D
Acq: 15 Dec 2017 20:48

Tgt Ion:164 Resp: 316402
Ion Ratio Lower Upper
164 100
162 100.8 86.1 129.1
160 45.6 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

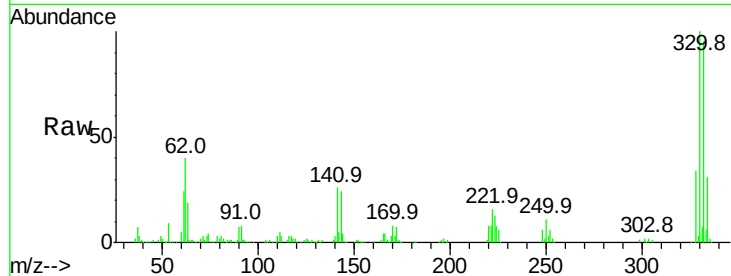




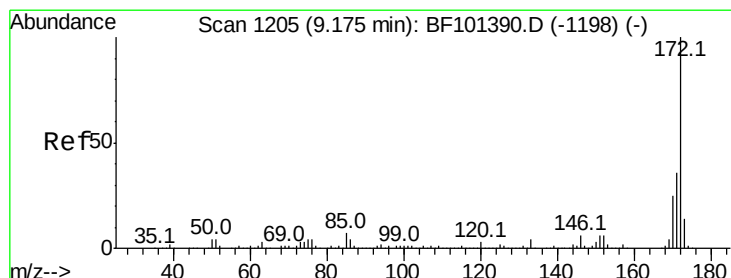
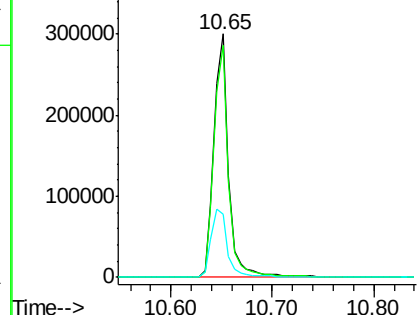
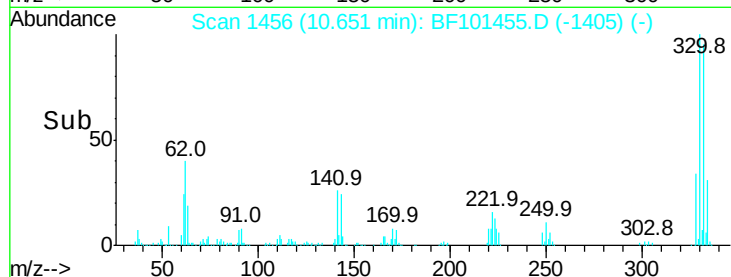
#41
 2,4,6-Tribromophenol
 Concen: 99.393 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. 0.00 min
 Lab File: BF101455.D
 Acq: 15 Dec 2017 20:48

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	31.8	29.9	44.9

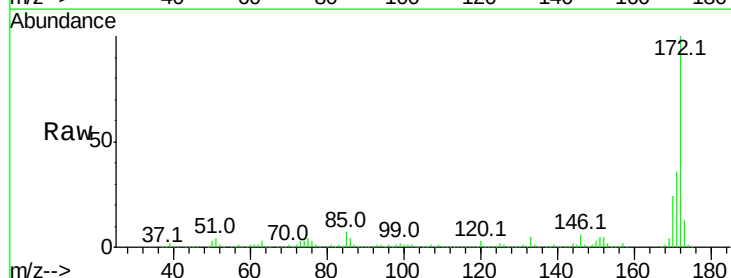


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

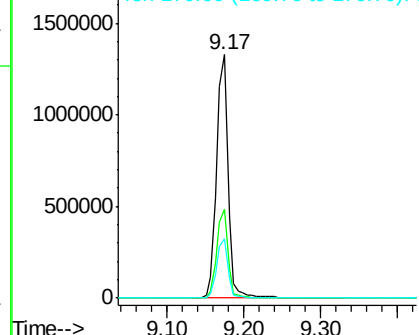
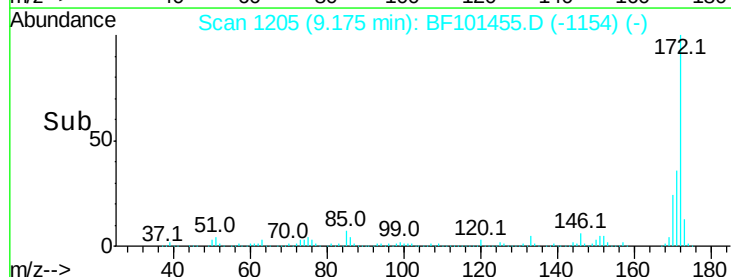


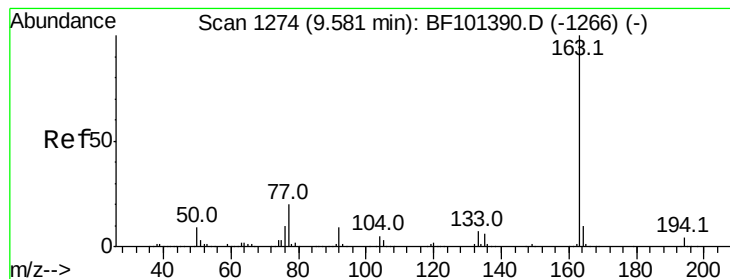
#44
 2-Fluorobiphenyl
 Concen: 66.783 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF101455.D
 Acq: 15 Dec 2017 20:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.5	19.6	29.4



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





#49

Dimethylphthalate

Concen: 7.857 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BF101455.D

Acq: 15 Dec 2017 20:48

Instrument :

BNA_F

ClientSampled :

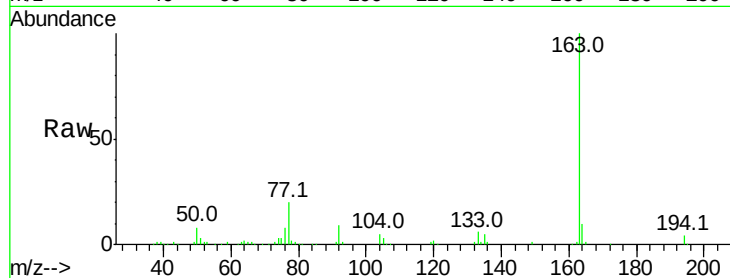
Tot Ion:163 Resp: 199974

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

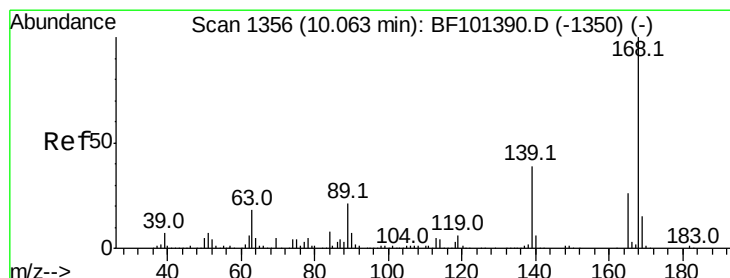
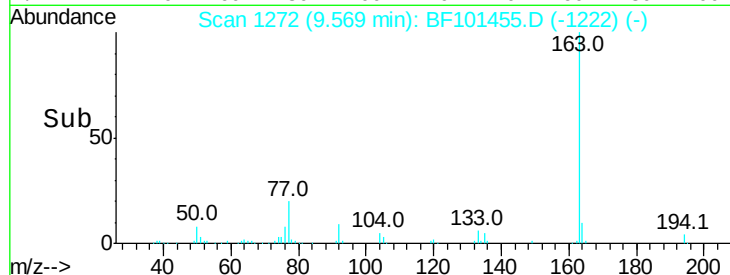
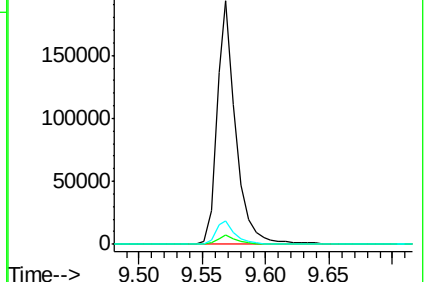
164 9.7 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.629 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.21 min

Lab File: BF101455.D

Acq: 15 Dec 2017 20:48

Tgt Ion:165 Resp: 38632

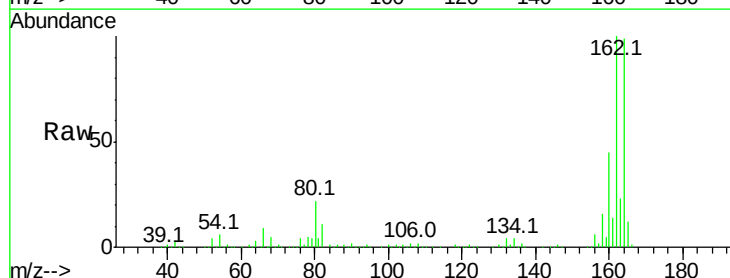
Ion Ratio Lower Upper

165 100

63 1.7 36.4 54.6#

89 1.1 57.8 86.6#

182 0.0 1.6 2.4#

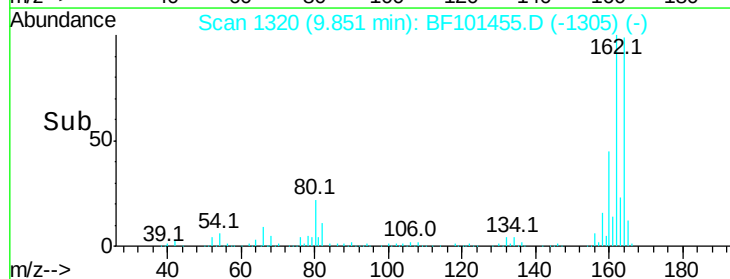
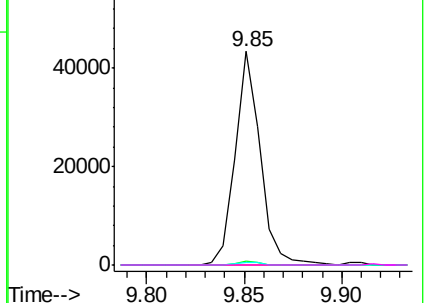


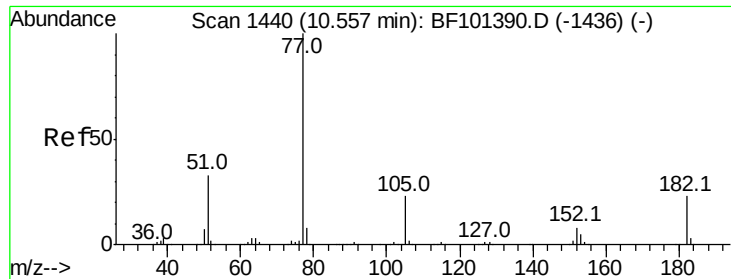
Abundance Ion 165.00 (164.70 to 165.70): E

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





#62

Azobenzene

Concen: 4.536 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.01 min

Lab File: BF101455.D

Acq: 15 Dec 2017 20:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 118439

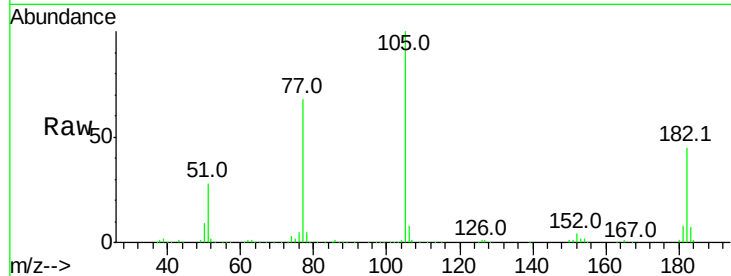
Ion Ratio Lower Upper

77 100

182 67.0 1.7 41.7#

105 147.7 3.0 43.0#

51 41.2 9.9 49.9

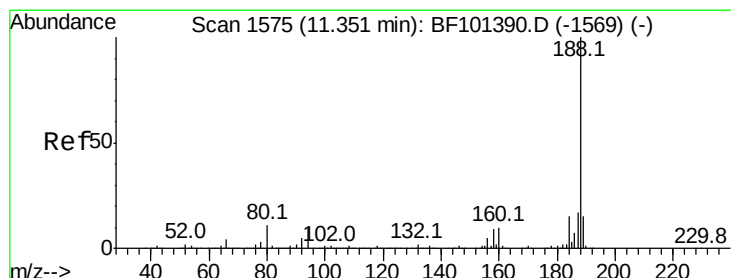
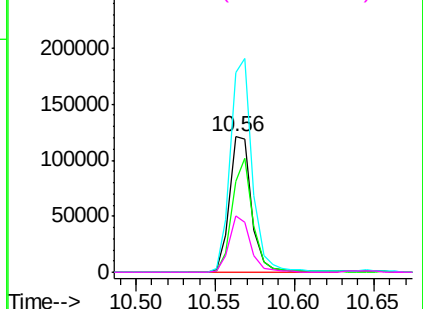
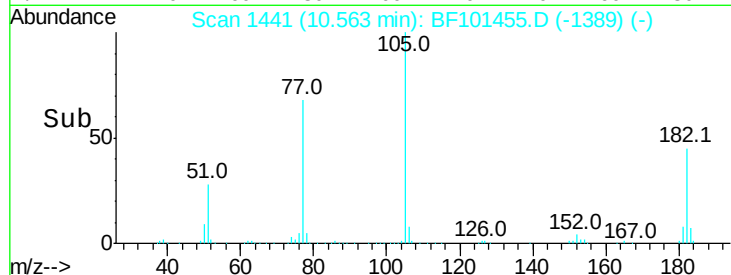


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1574

Delta R.T. 0.00 min

Lab File: BF101455.D

Acq: 15 Dec 2017 20:48

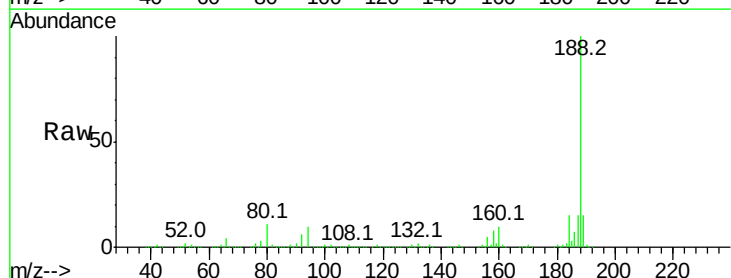
Tgt Ion: 188 Resp: 530448

Ion Ratio Lower Upper

188 100

94 10.3 8.5 12.7

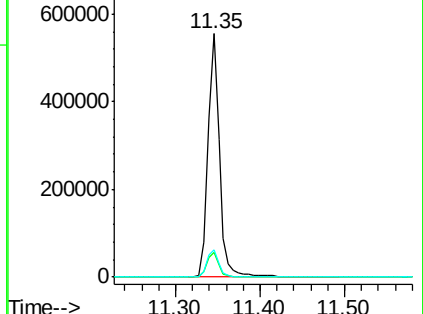
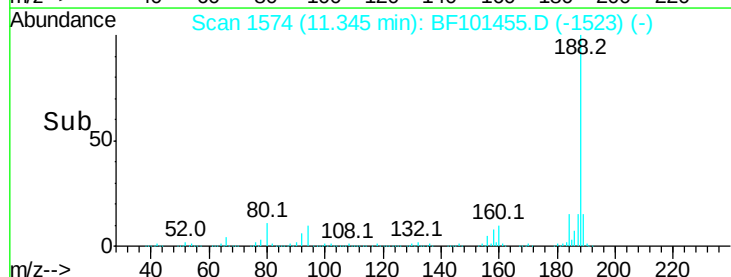
80 11.1 9.2 13.8

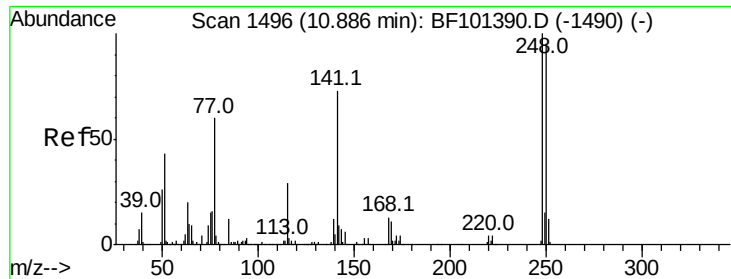


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

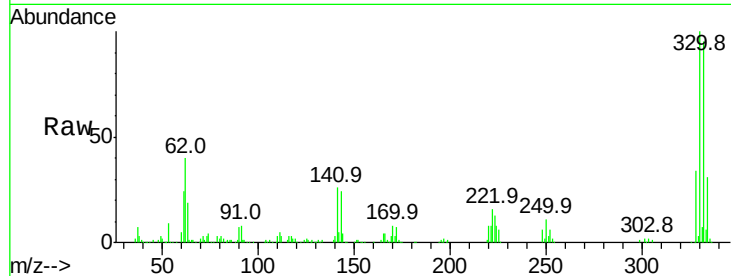




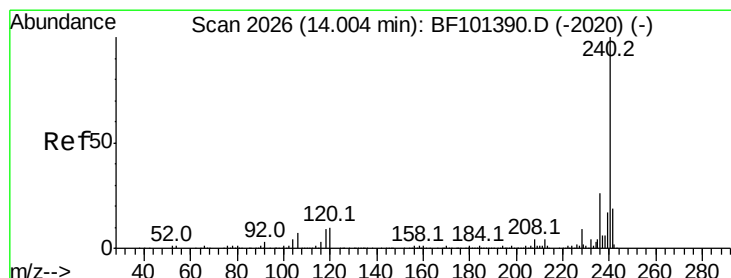
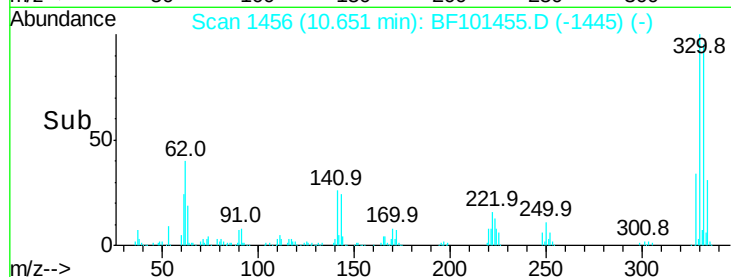
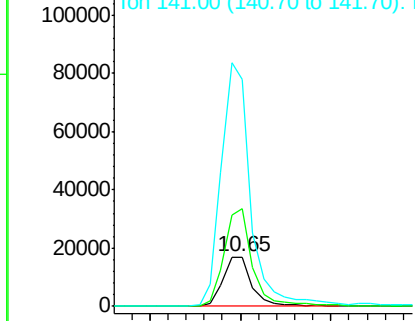
#66
4-Bromophenyl-phenylether
Concen: 3.155 ng
RT: 10.65 min Scan# 1456
Delta R.T. -0.24 min
Lab File: BF101455.D
Acq: 15 Dec 2017 20:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 18807
Ion Ratio Lower Upper
248 100
250 199.5 76.9 115.3#
141 460.8 74.4 111.6#

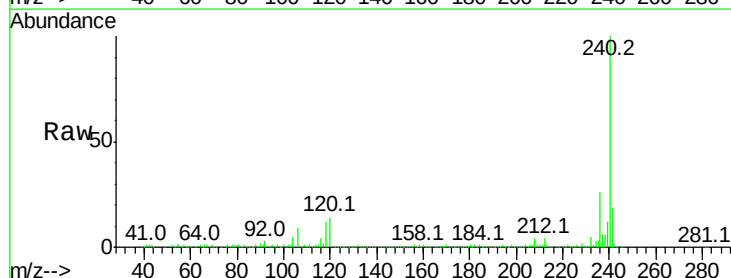


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

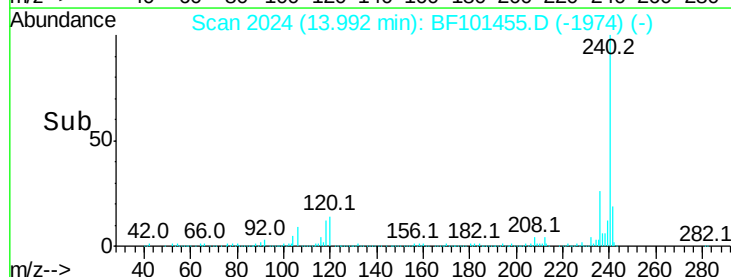
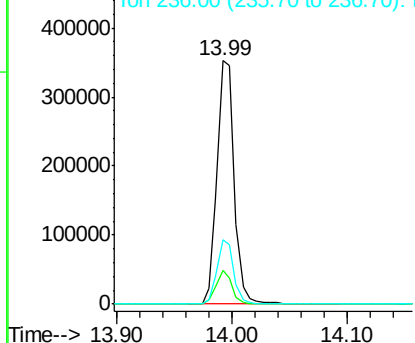


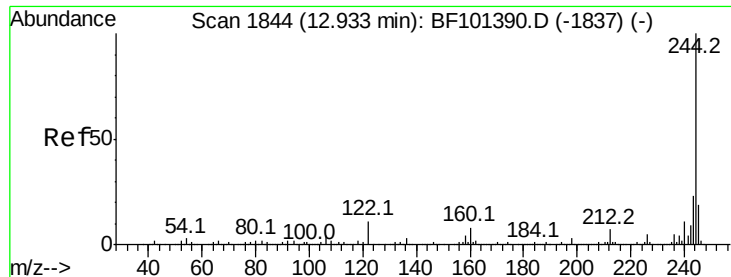
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101455.D
Acq: 15 Dec 2017 20:48

Tgt Ion:240 Resp: 366802
Ion Ratio Lower Upper
240 100
120 13.8 9.5 14.3
236 26.3 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





#78

Terphenyl-d14

Concen: 68.389 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF101455.D

Acq: 15 Dec 2017 20:48

Instrument :

BNA_F

ClientSampled :

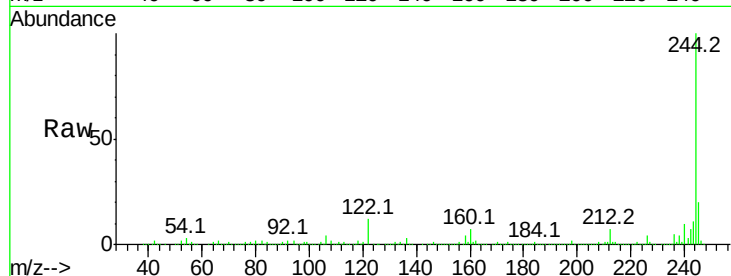
Tot Ion:244 Resp: 1040552

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

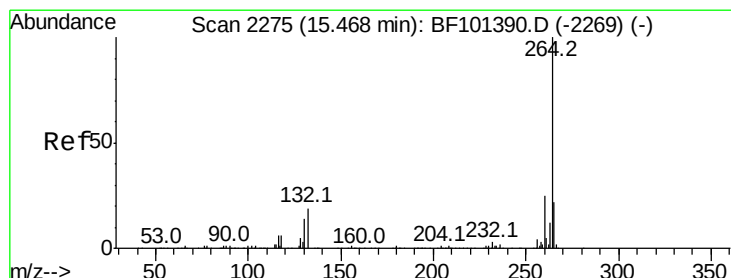
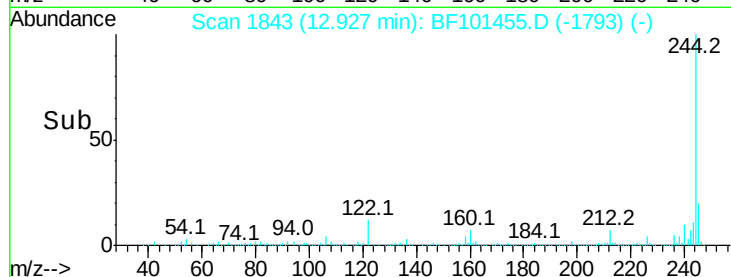
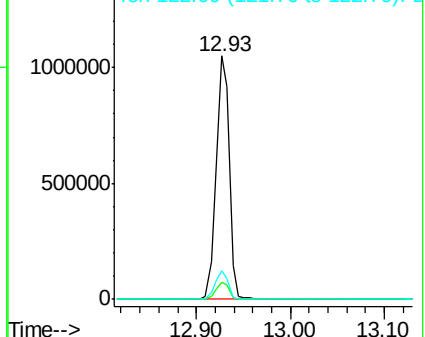
122 11.9 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. 0.00 min

Lab File: BF101455.D

Acq: 15 Dec 2017 20:48

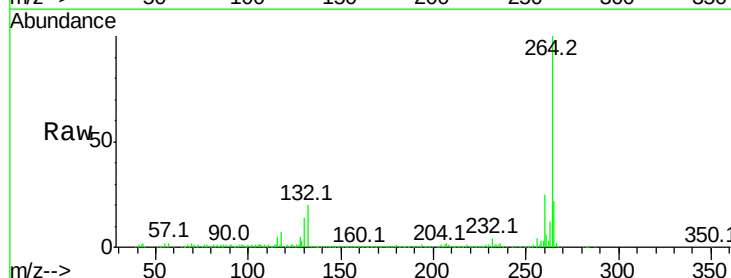
Tgt Ion:264 Resp: 321576

Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

265 22.2 17.5 26.3



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

