

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112718\
 Data File : BF111032.D
 Acq On : 28 Nov 2018 2:31
 Operator : JU/SJ
 Sample : J5070-16
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 112418-CHDE-F-D-M

Quant Time: Nov 28 03:16:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 27 15:32:10 2018
 Response via : Initial Calibration

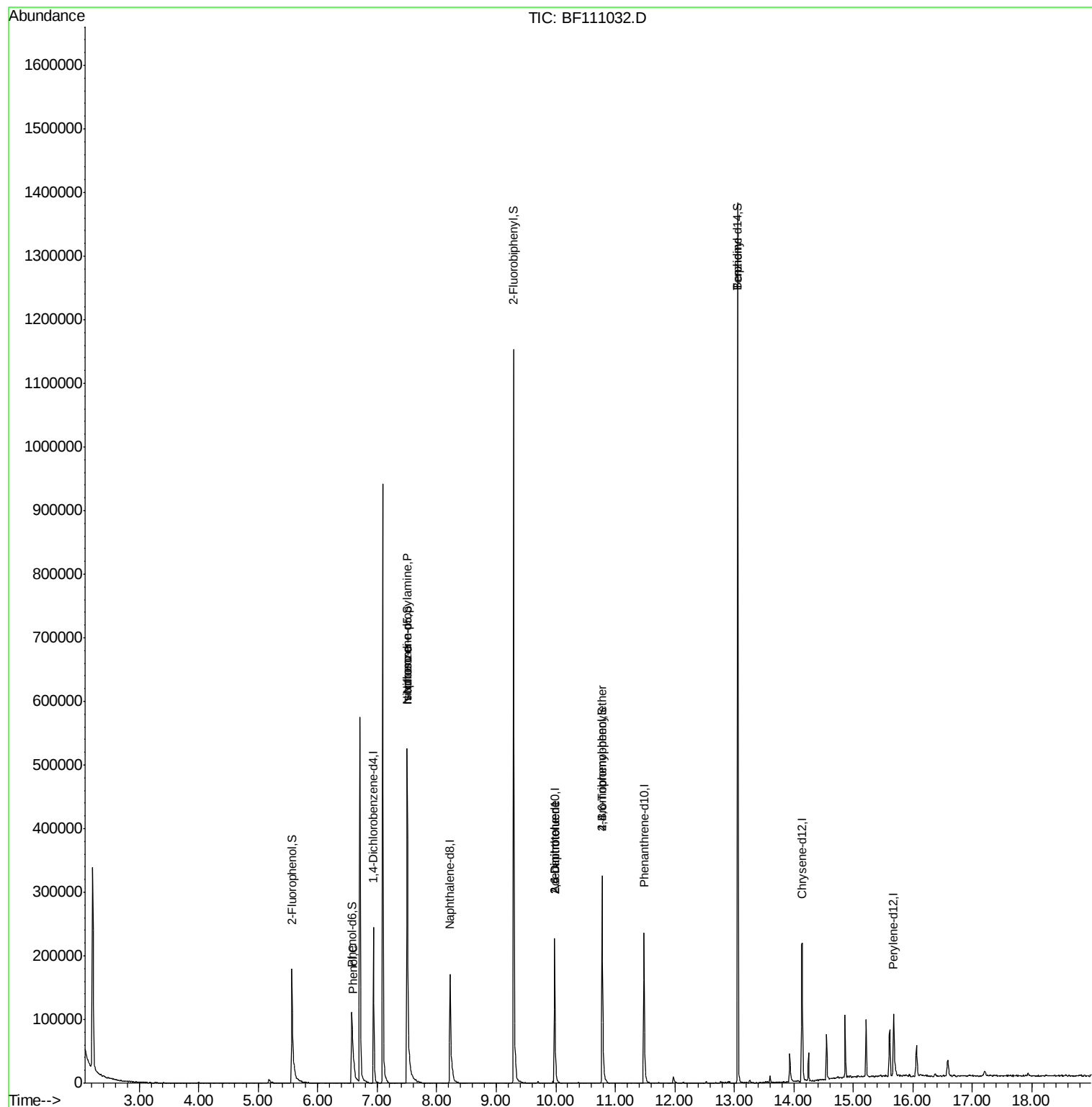
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	42516	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	147982	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	60528	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	120545	20.00	ng	0.00
76) Chrysene-d12	14.14	240	102743	20.00	ng	0.00
87) Perylene-d12	15.67	264	65536	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	101959	39.77	ng	0.01
7) Phenol-d6	6.57	99	69831	20.90	ng	0.00
23) Nitrobenzene-d5	7.50	82	232626	89.97	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	54978	91.46	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	390076	93.37	ng	0.00
79) Terphenyl-d14	13.06	244	451353	85.52	ng	0.00
Target Compounds						
10) Phenol	6.59	94	9520	2.530	ng	85
19) n-Nitroso-di-n-propylamine	7.50	70	30879	14.188	ng	# 80
25) Isophorone	7.50	82	232626	54.845	ng	# 67
51) 2,6-Dinitrotoluene	9.98	165	7308	7.395	ng	# 21
57) 2,4-Dinitrotoluene	9.98	165	7308	5.700	ng	# 17
67) 4-Bromophenyl-phenylether	10.78	248	3114	2.372	ng	# 1
77) Benzidine	13.06	184	5785	2.201	ng	97

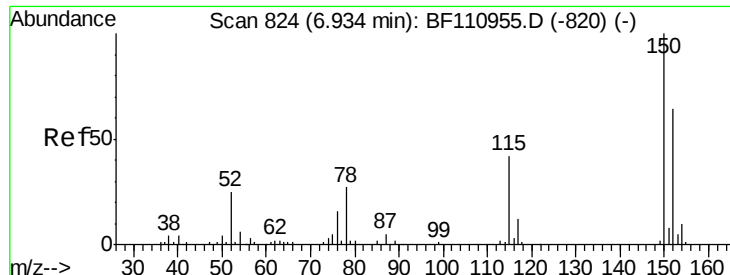
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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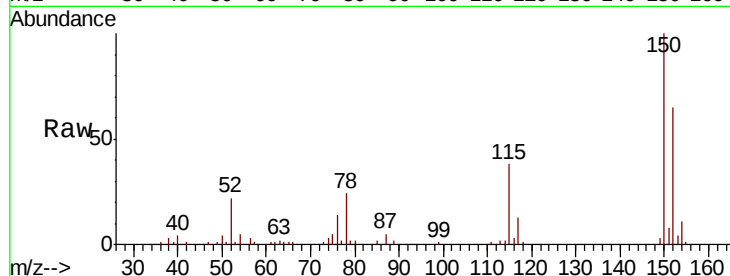


#1

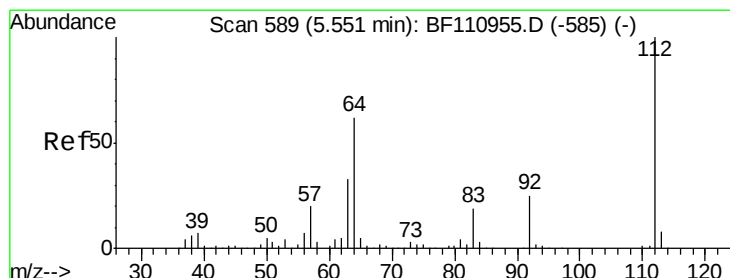
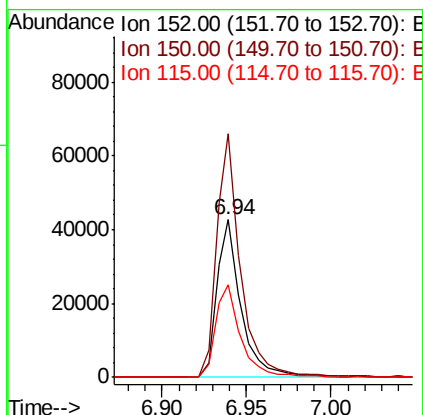
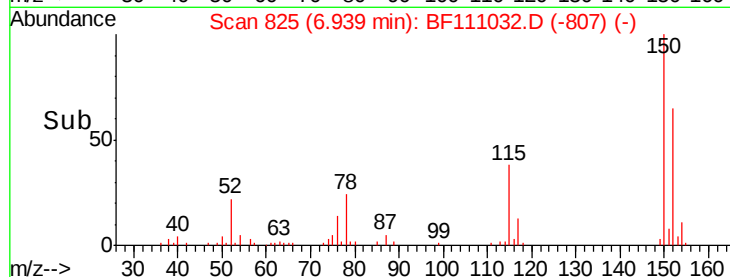
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. 0.01 min
Lab File: BF111032.D
Acq: 28 Nov 2018 2:31

Instrument :
BNA_F
ClientSampleId :
112418-CHDE-F-D-M

Tgt Ion:152 Resp: 42516
Ion Ratio Lower Upper
152 100
150 154.3 122.7 184.1
115 58.7 49.1 73.7



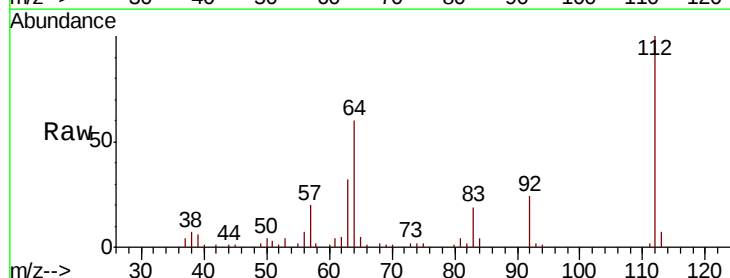
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



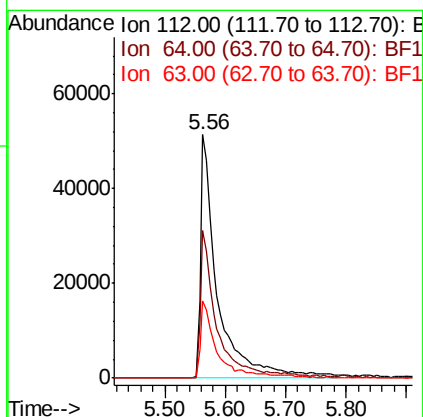
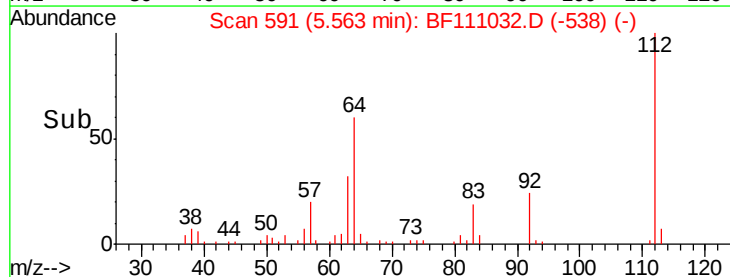
#5

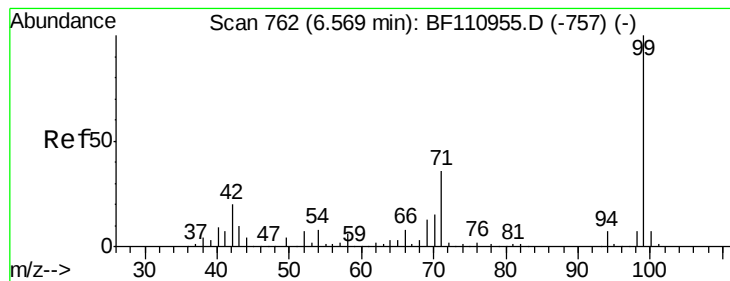
2-Fluorophenol
Concen: 39.769 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.01 min
Lab File: BF111032.D
Acq: 28 Nov 2018 2:31

Tgt Ion:112 Resp: 101959
Ion Ratio Lower Upper
112 100
64 60.4 44.1 66.1
63 31.9 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: 20.901 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.01 min

Lab File: BF111032.D

Acq: 28 Nov 2018 2:31

Instrument :

BNA_F

ClientSampleId :

112418-CHDE-F-D-M

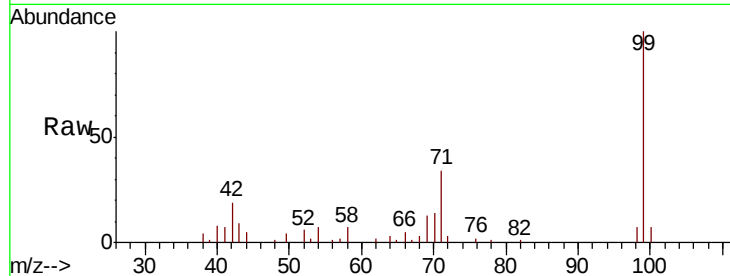
Tgt Ion: 99 Resp: 69831

Ion Ratio Lower Upper

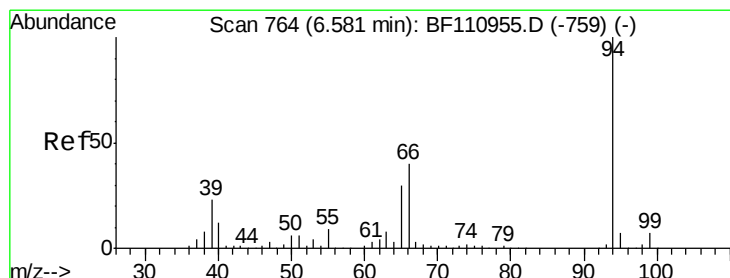
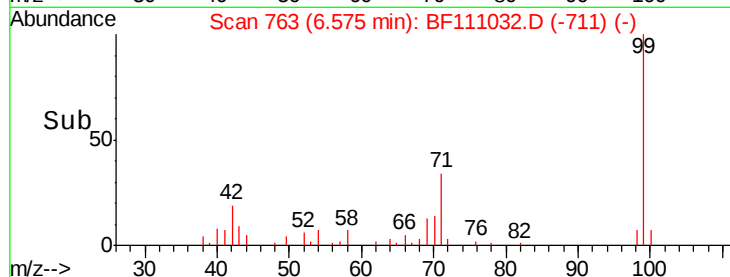
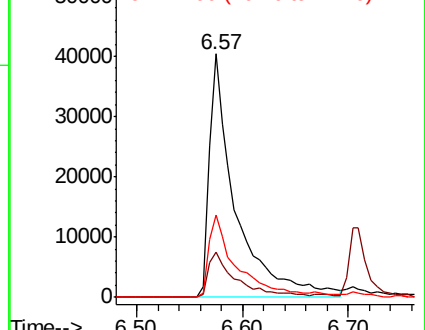
99 100

42 18.7 15.8 23.6

71 33.8 28.0 42.0



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: 2.530 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.01 min

Lab File: BF111032.D

Acq: 28 Nov 2018 2:31

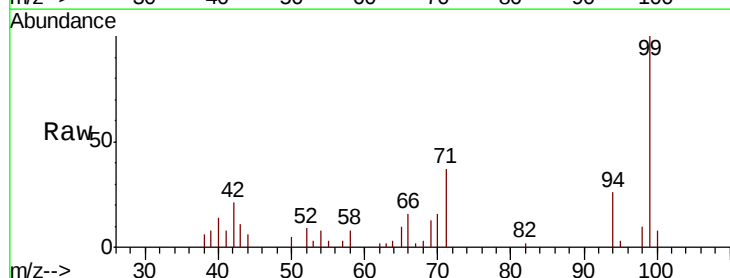
Tgt Ion: 94 Resp: 9520

Ion Ratio Lower Upper

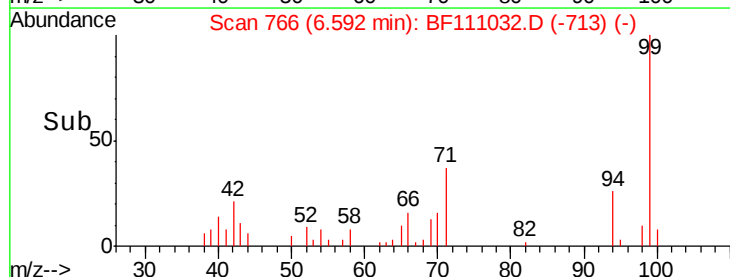
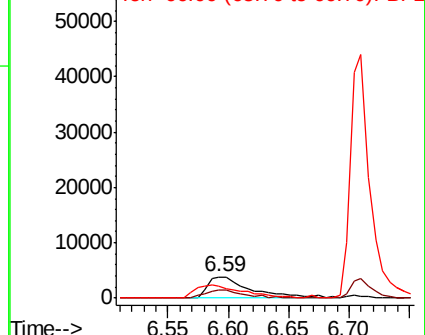
94 100

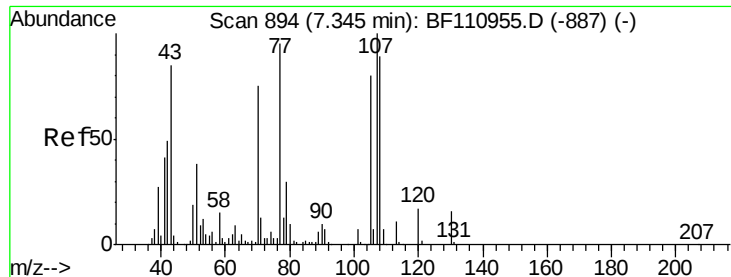
65 37.7 25.3 65.3

66 59.7 54.5 94.5



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: 14.188 ng

RT: 7.50 min Scan# 921

Delta R.T. 0.16 min

Lab File: BF111032.D

Acq: 28 Nov 2018 2:31

Instrument :

BNA_F

ClientSampleId :

112418-CHDE-F-D-M

Tgt Ion: 70 Resp: 30879

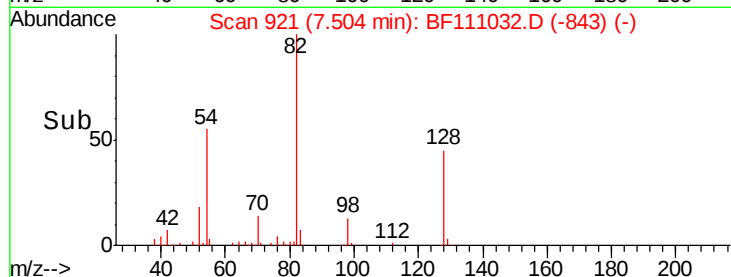
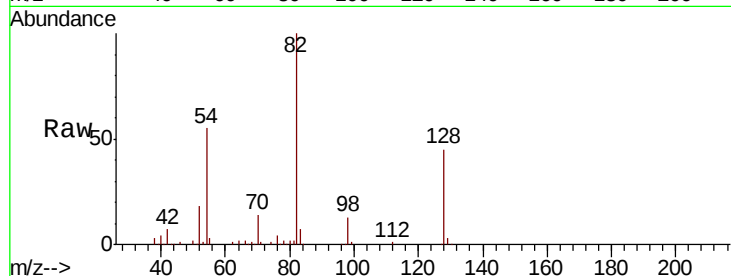
Ion Ratio Lower Upper

70 100

42 49.9 47.4 71.2

101 0.0 7.3 10.9#

130 2.5 16.2 24.2#

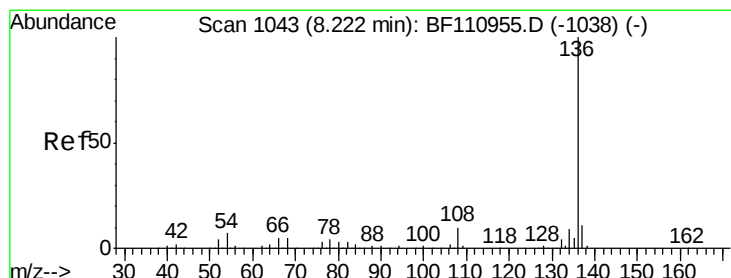
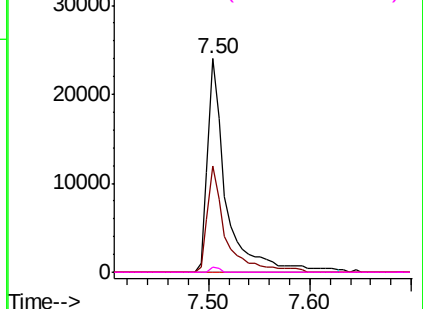


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.22 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BF111032.D

Acq: 28 Nov 2018 2:31

Tgt Ion: 136 Resp: 147982

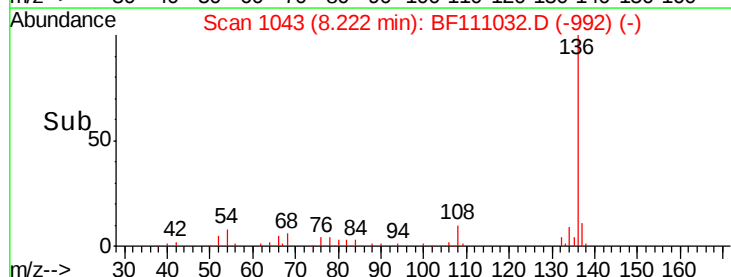
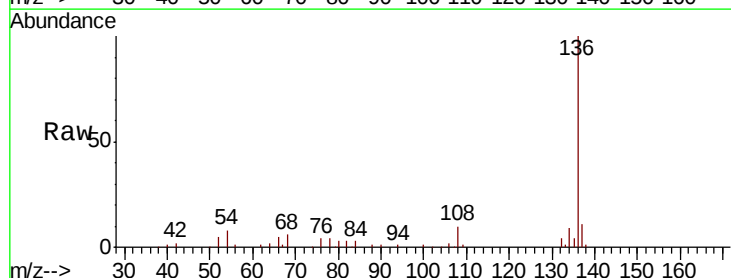
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 8.4 5.4 8.2#

68 5.9 4.2 6.2

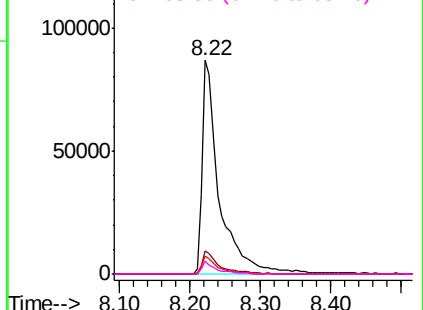


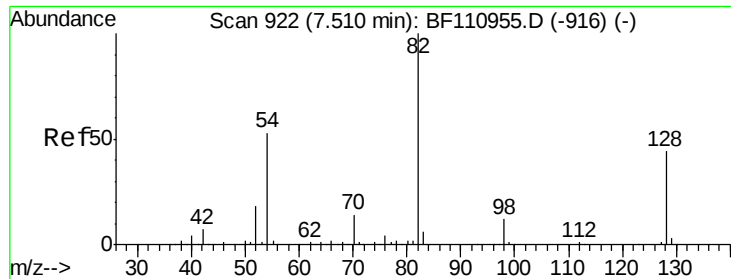
Abundance Ion 136.00 (135.70 to 136.70): E

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

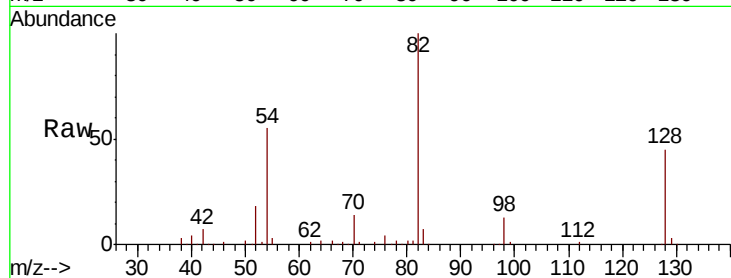




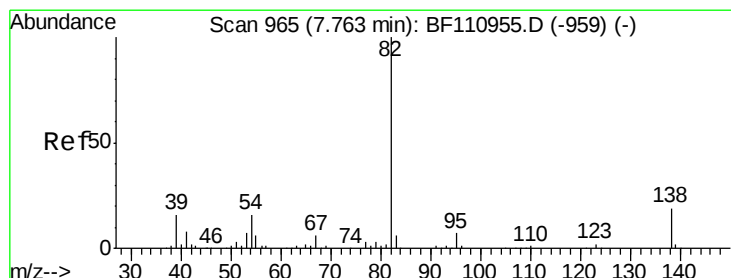
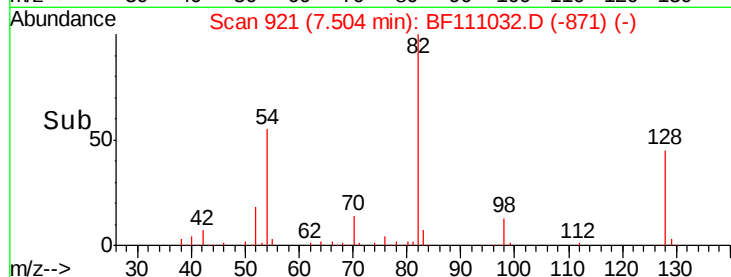
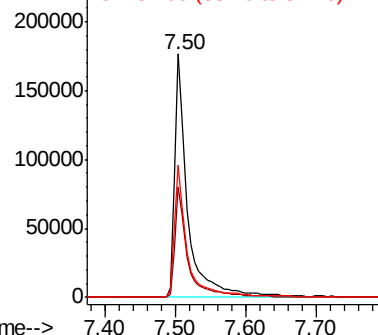
#23
Nitrobenzene-d5
Concen: 89.966 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF111032.D
Acq: 28 Nov 2018 2:31

Instrument :
BNA_F
ClientSampleId :
112418-CHDE-F-D-M

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.2	51.2
54	54.5	38.6	58.0

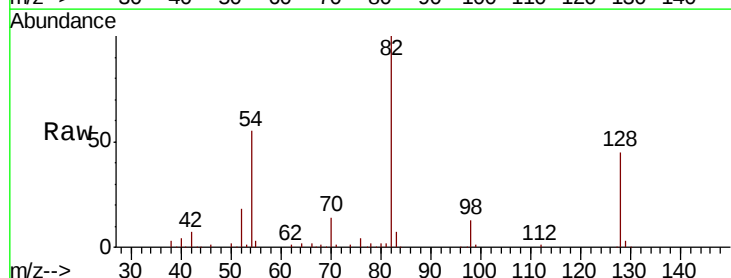


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

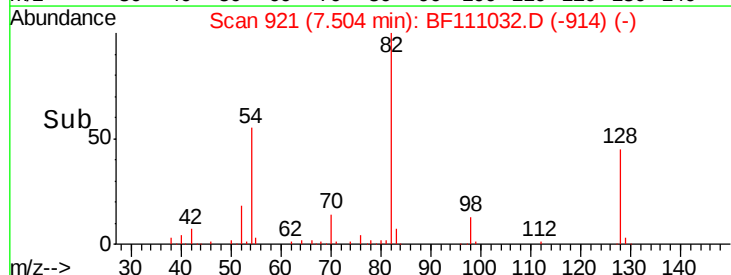
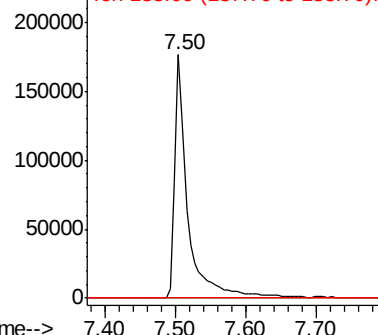


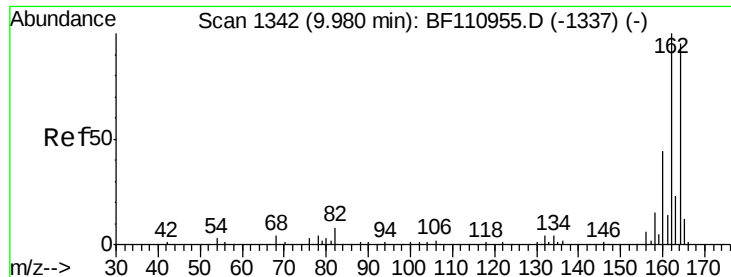
#25
Isophorone
Concen: 54.845 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.26 min
Lab File: BF111032.D
Acq: 28 Nov 2018 2:31

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

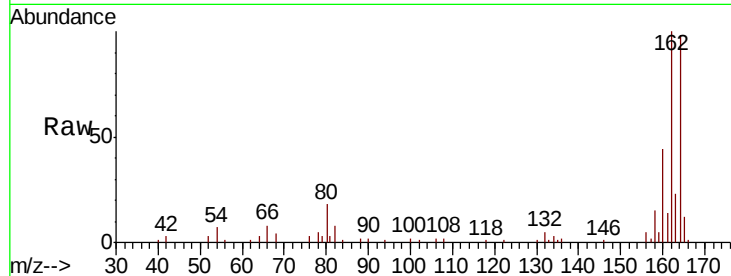




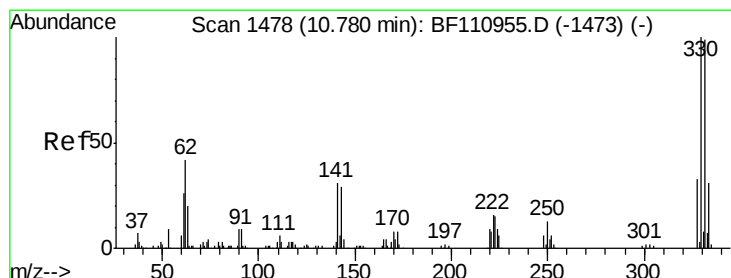
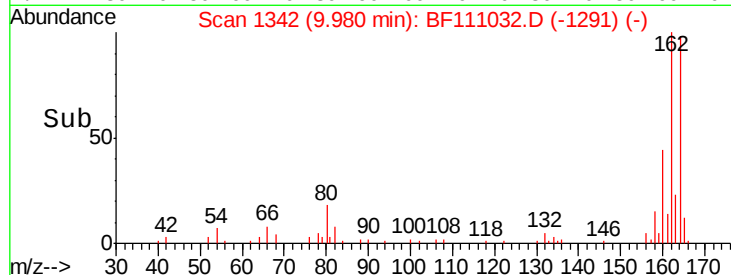
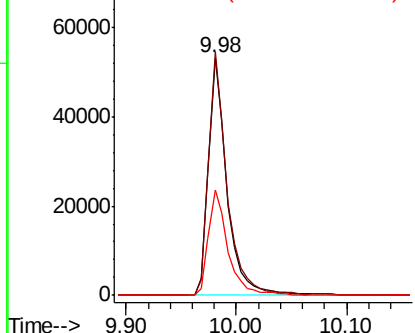
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.00 min
 Lab File: BF111032.D
 Acq: 28 Nov 2018 2:31

Instrument :
 BNA_F
 ClientSampleId :
 112418-CHDE-F-D-M

Tgt Ion:164 Resp: 60528
 Ion Ratio Lower Upper
 164 100
 162 102.4 83.0 124.6
 160 44.6 37.0 55.6

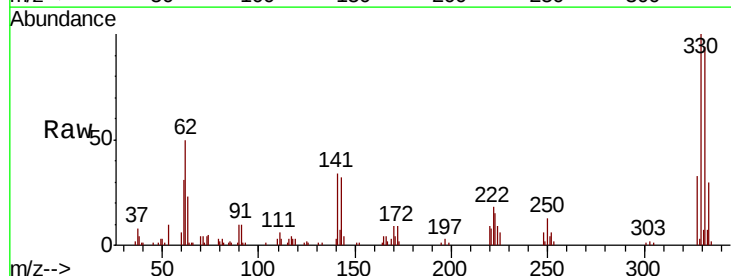


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

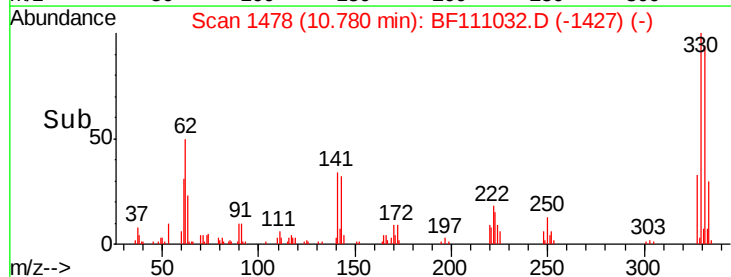
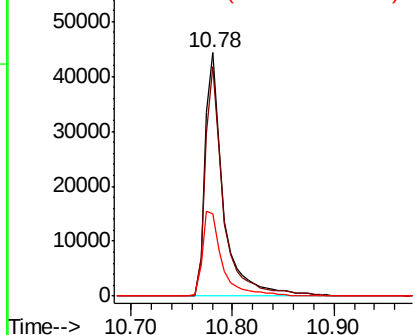


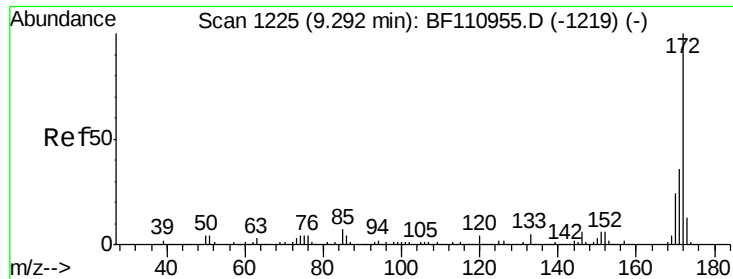
#42
 2,4,6-Tribromophenol
 Concen: 91.459 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.00 min
 Lab File: BF111032.D
 Acq: 28 Nov 2018 2:31

Tgt Ion:330 Resp: 54978
 Ion Ratio Lower Upper
 330 100
 332 94.6 77.1 115.7
 141 37.7 27.0 40.4



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

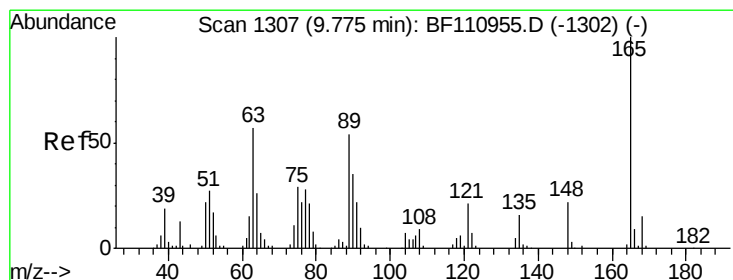
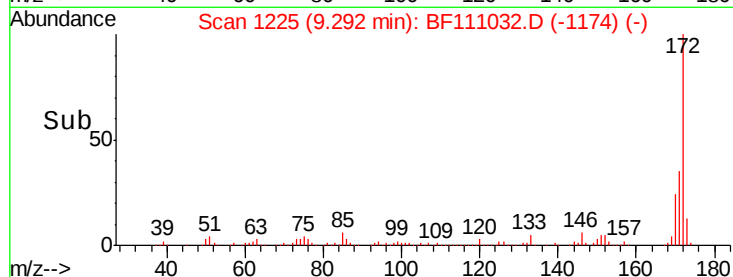
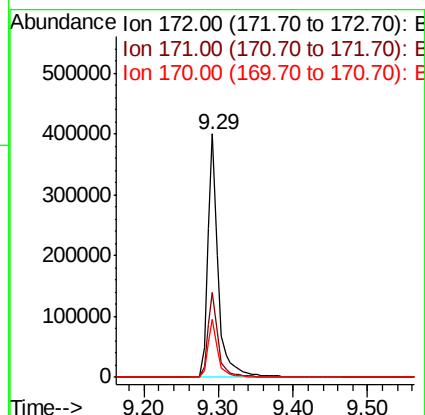
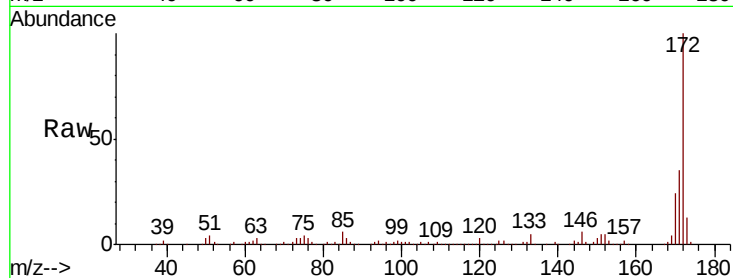




#45
 2-Fluorobiphenyl
 Concen: 93.367 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: BF111032.D
 Acq: 28 Nov 2018 2:31

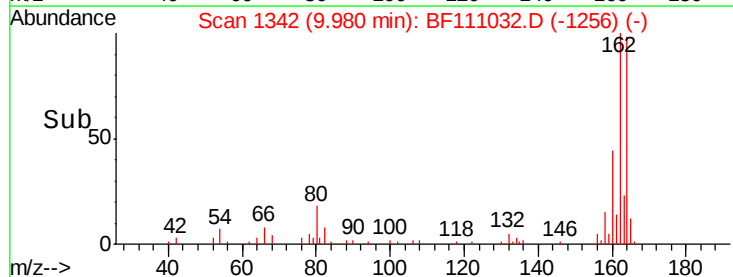
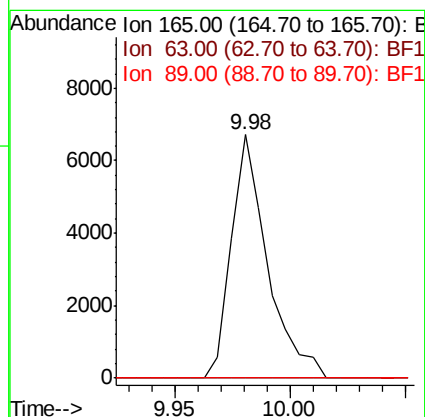
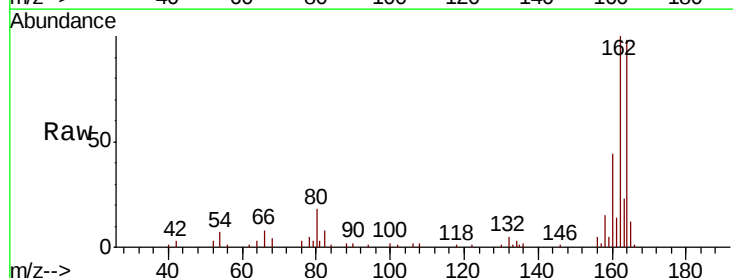
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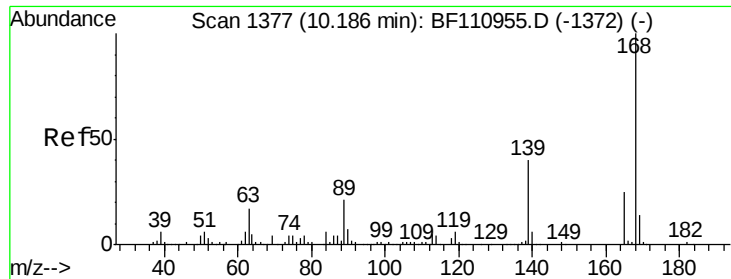
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	43.0
170	23.7	19.7	29.5



#51
 2,6-Dinitrotoluene
 Concen: 7.395 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.21 min
 Lab File: BF111032.D
 Acq: 28 Nov 2018 2:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	0.0	46.6	69.8#

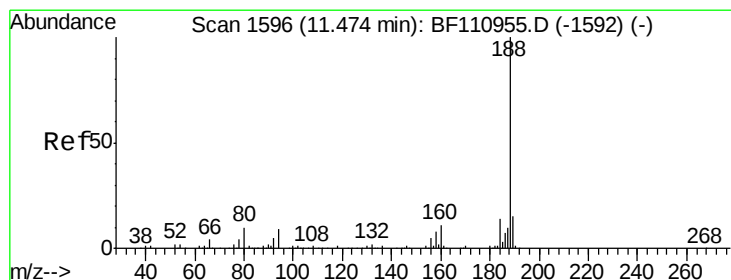
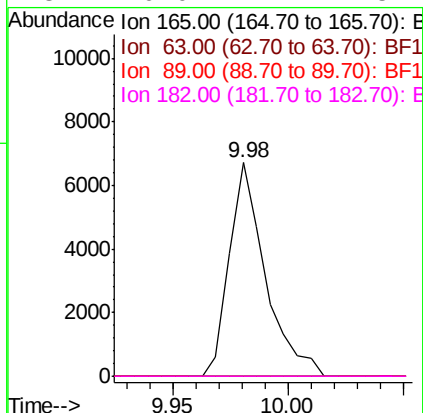
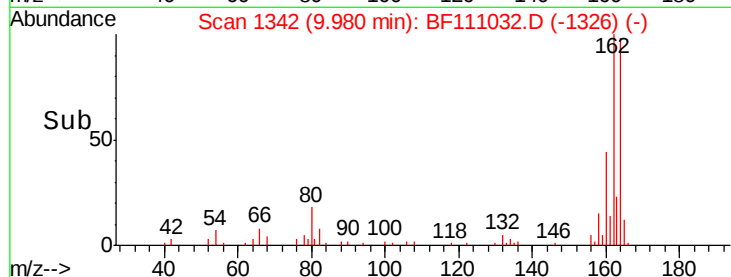
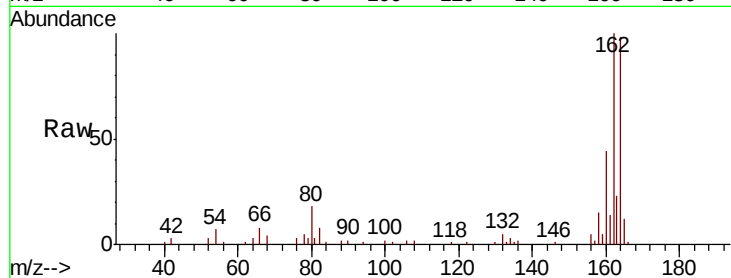




#57
 2,4-Dinitrotoluene
 Concen: 5.700 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.21 min
 Lab File: BF111032.D
 Acq: 28 Nov 2018 2:31

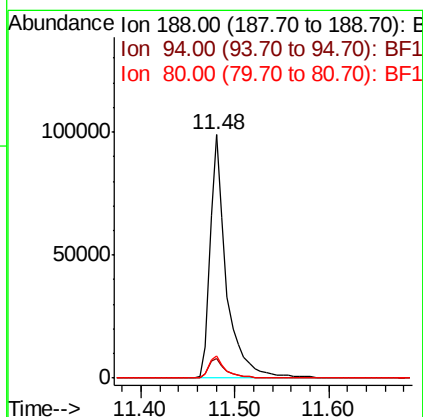
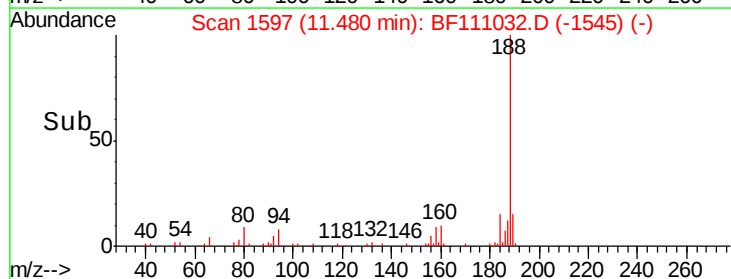
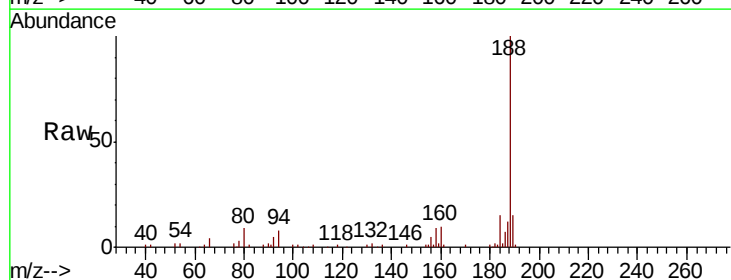
Instrument :
 BNA_F
 ClientSampleId :
 112418-CHDE-F-D-M

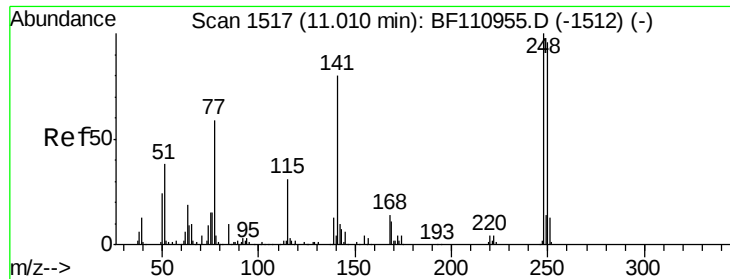
Tgt Ion:	165	Resp:	7308
Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: BF111032.D
 Acq: 28 Nov 2018 2:31

Tgt Ion:	188	Resp:	120545
Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.2	10.8
80	9.0	7.9	11.9

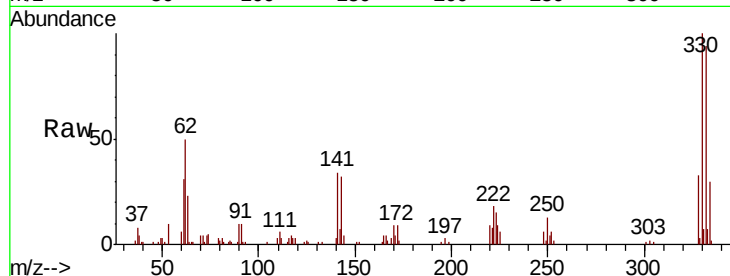




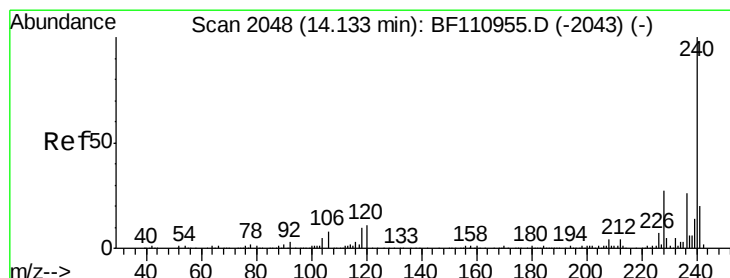
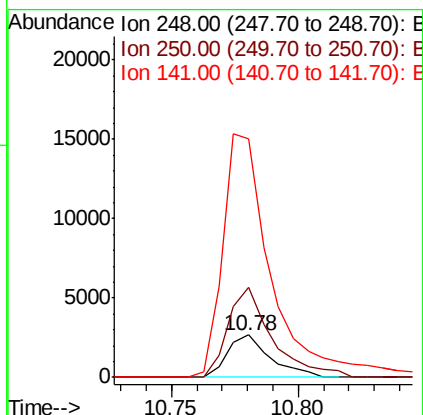
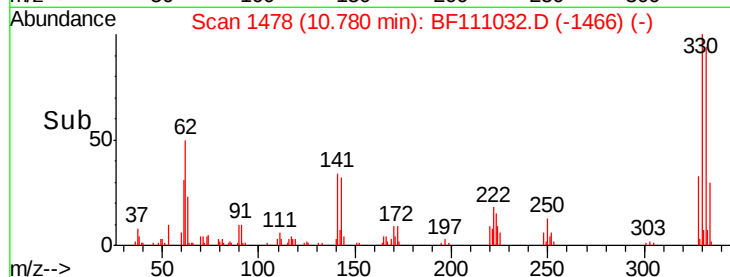
#67
 4-Bromophenyl-phenylether
 Concen: 2.372 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.23 min
 Lab File: BF111032.D
 Acq: 28 Nov 2018 2:31

Instrument :
 BNA_F
 ClientSampleId :
 112418-CHDE-F-D-M

Tgt Ion: 248 Resp: 3114
 Ion Ratio Lower Upper
 248 100
 250 212.7 79.4 119.2#
 141 565.4 55.9 83.9#

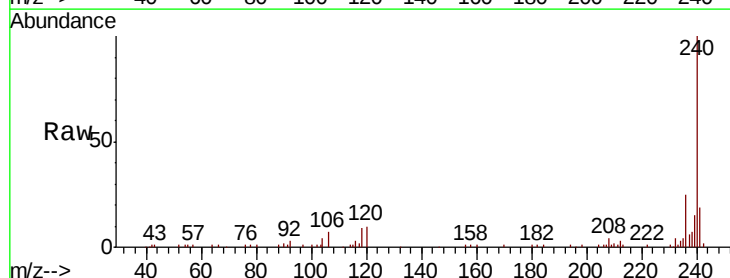


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

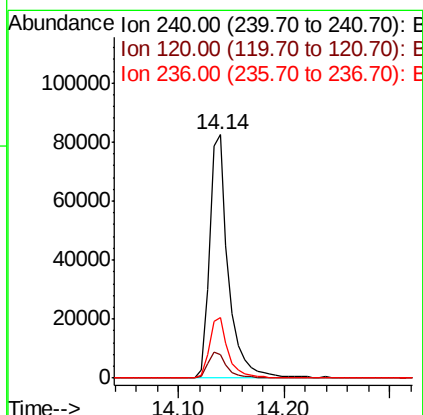
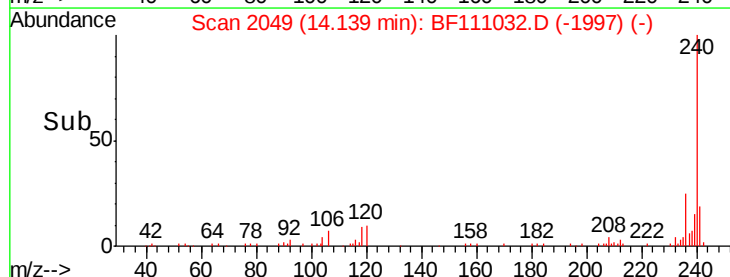


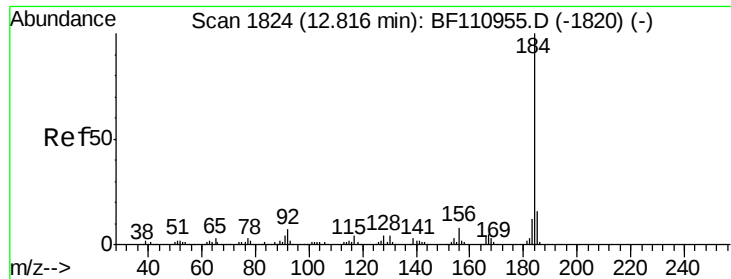
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.01 min
 Lab File: BF111032.D
 Acq: 28 Nov 2018 2:31

Tgt Ion: 240 Resp: 102743
 Ion Ratio Lower Upper
 240 100
 120 9.7 8.3 12.5
 236 25.0 21.2 31.8



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: 2.201 ng

RT: 13.06 min Scan# 1865

Delta R.T. 0.24 min

Lab File: BF111032.D

Acq: 28 Nov 2018 2:31

Instrument :

BNA_F

ClientSampleId :

112418-CHDE-F-D-M

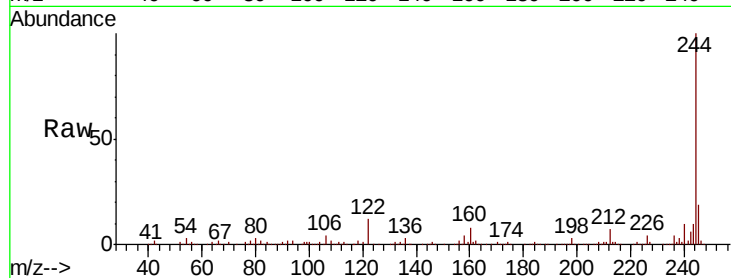
Tgt Ion:184 Resp: 5785

Ion Ratio Lower Upper

184 100

185 17.3 13.4 20.2

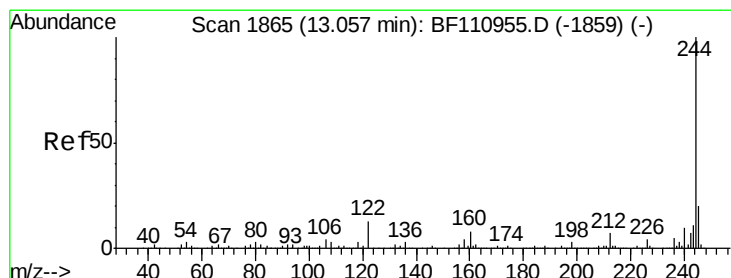
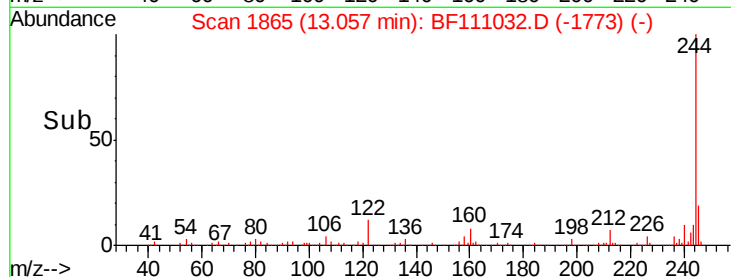
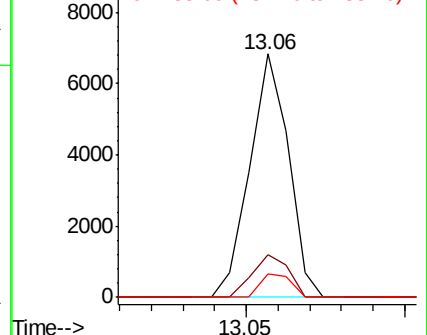
183 9.8 9.4 14.2



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



#79

Terphenyl-d14

Concen: 85.517 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.00 min

Lab File: BF111032.D

Acq: 28 Nov 2018 2:31

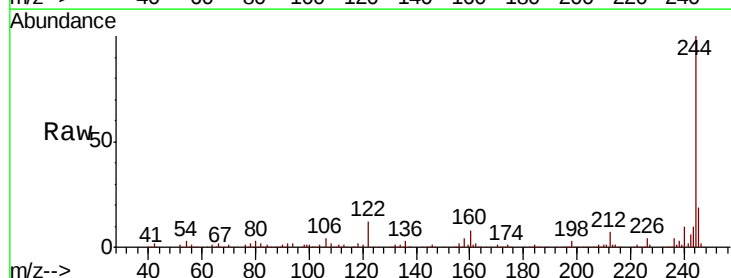
Tgt Ion:244 Resp: 451353

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

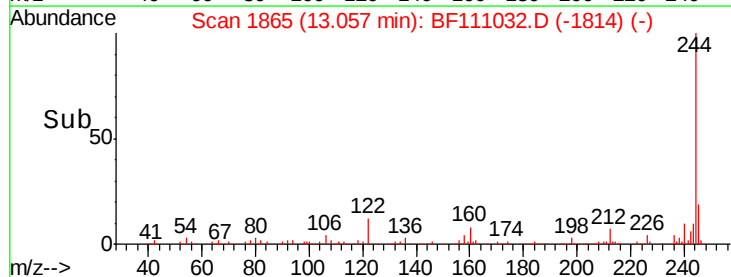
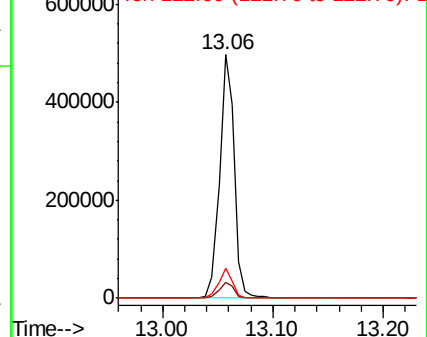
122 12.4 8.7 13.1

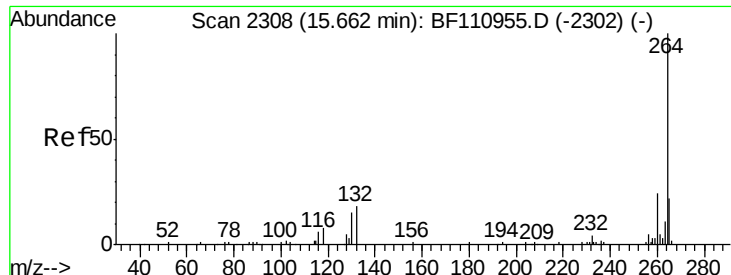


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. 0.01 min
Lab File: BF111032.D
Acq: 28 Nov 2018 2:31

Instrument :
BNA_F
ClientSampleId :
112418-CHDE-F-D-M

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	21.6	16.7	25.1

