

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112718\
 Data File : BF111035.D
 Acq On : 28 Nov 2018 3:54
 Operator : JU/SJ
 Sample : J5070-19
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

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

Quant Time: Nov 28 06:11:21 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

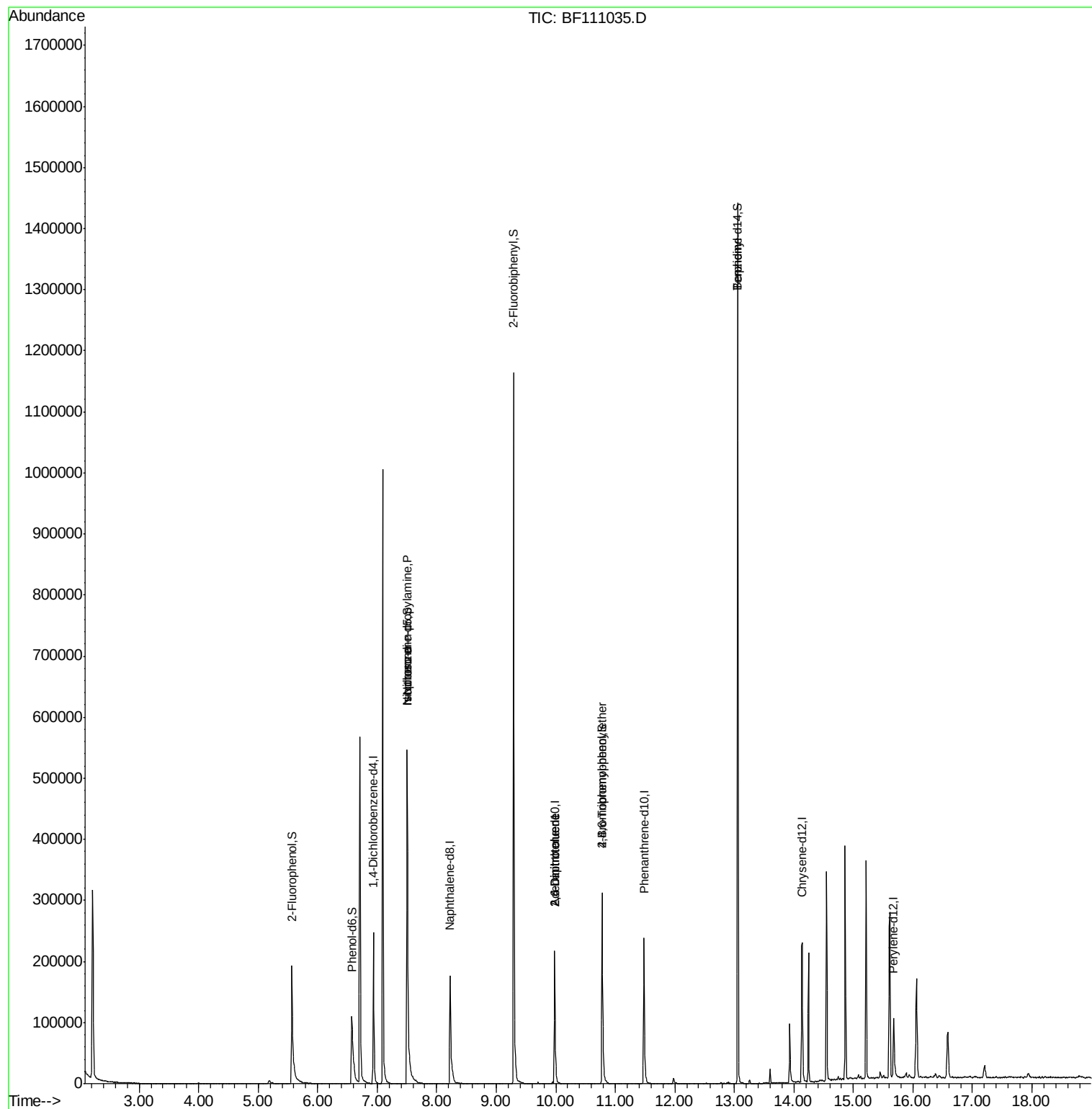
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	41476	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	150416	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	59410	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	123070	20.00	ng	0.00
76) Chrysene-d12	14.14	240	103782	20.00	ng	0.00
87) Perylene-d12	15.68	264	64920	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	104565	41.81	ng	0.01
7) Phenol-d6	6.57	99	79523	24.40	ng	0.00
23) Nitrobenzene-d5	7.50	82	247333	94.11	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	52971	89.78	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	408200	99.54	ng	0.00
79) Terphenyl-d14	13.06	244	486944	91.34	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.50	70	32155	15.145	ng	# 77
25) Isophorone	7.50	82	247333	57.369	ng	# 67
51) 2,6-Dinitrotoluene	9.98	165	7630	7.866	ng	# 21
57) 2,4-Dinitrotoluene	9.98	165	7630	6.063	ng	# 17
67) 4-Bromophenyl-phenylether	10.78	248	3371	2.515	ng	# 1
77) Benzidine	13.06	184	6293	2.371	ng	# 92

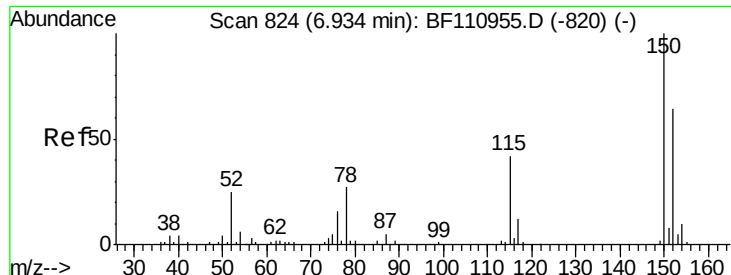
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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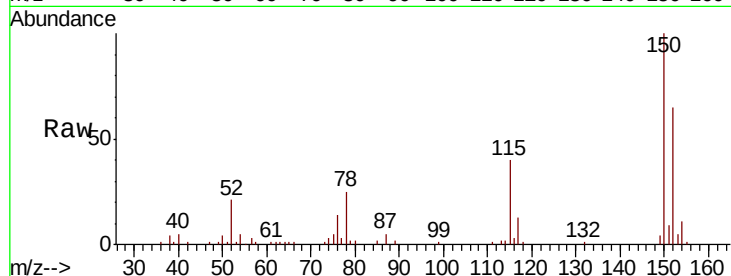


#1

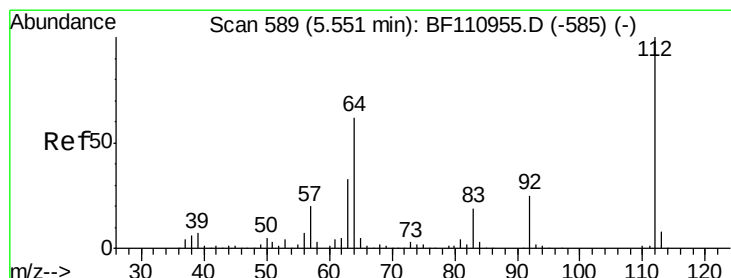
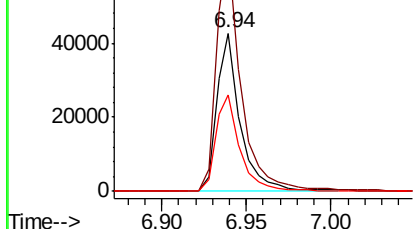
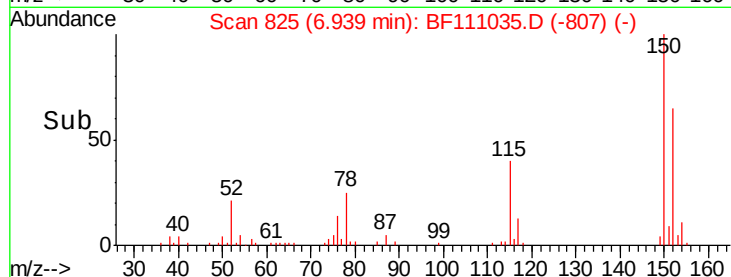
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. 0.01 min
Lab File: BF111035.D
Acq: 28 Nov 2018 3:54

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

Tgt Ion:152 Resp: 41476
Ion Ratio Lower Upper
152 100
150 154.1 122.7 184.1
115 61.2 49.1 73.7



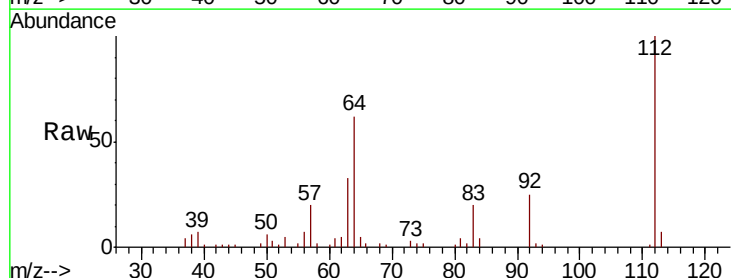
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



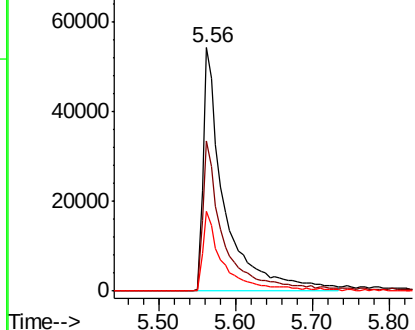
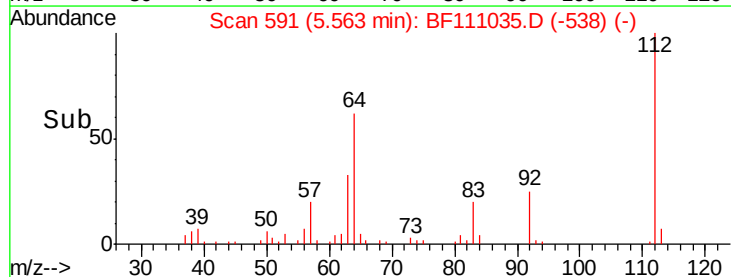
#5

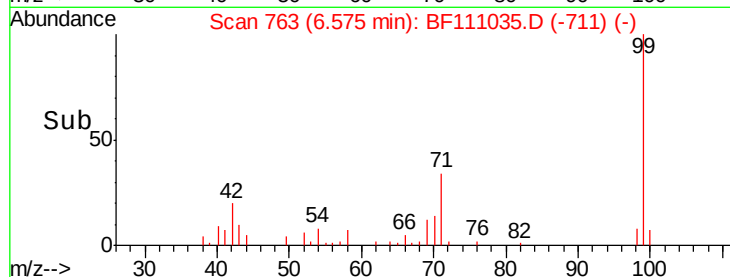
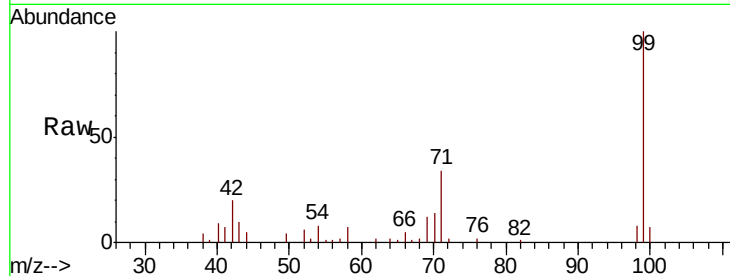
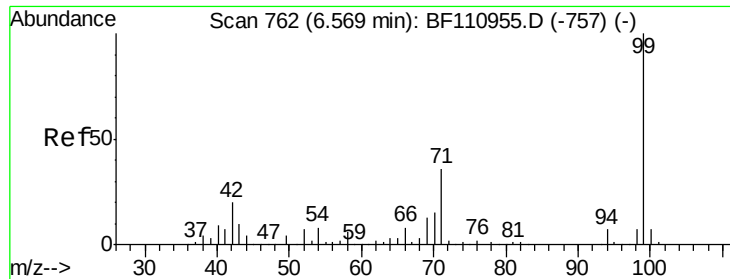
2-Fluorophenol
Concen: 41.808 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.01 min
Lab File: BF111035.D
Acq: 28 Nov 2018 3:54

Tgt Ion:112 Resp: 104565
Ion Ratio Lower Upper
112 100
64 61.6 44.1 66.1
63 32.6 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: 24.398 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.01 min

Lab File: BF111035.D

Acq: 28 Nov 2018 3:54

Instrument :

BNA_F

ClientSampleId :

112418-CHDE-F-U-M

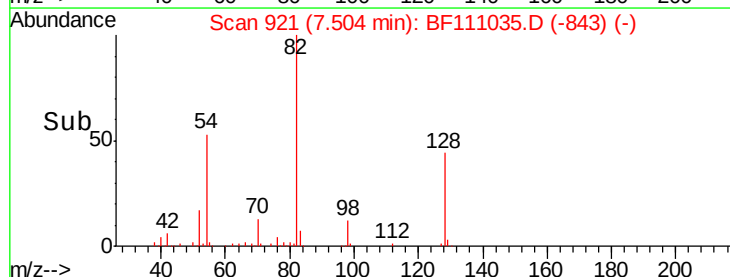
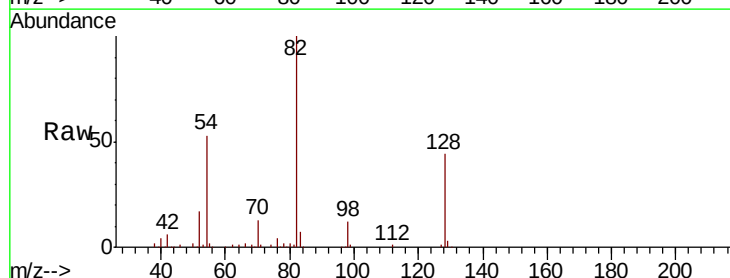
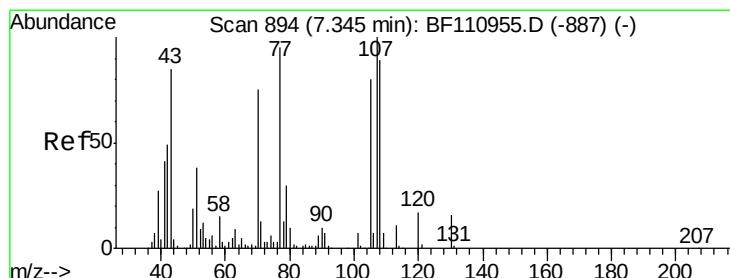
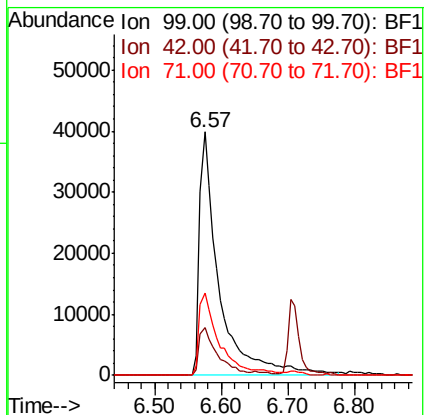
Tgt Ion: 99 Resp: 79523

Ion Ratio Lower Upper

99 100

42 19.6 15.8 23.6

71 33.7 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.145 ng

RT: 7.50 min Scan# 921

Delta R.T. 0.16 min

Lab File: BF111035.D

Acq: 28 Nov 2018 3:54

Tgt Ion: 70 Resp: 32155

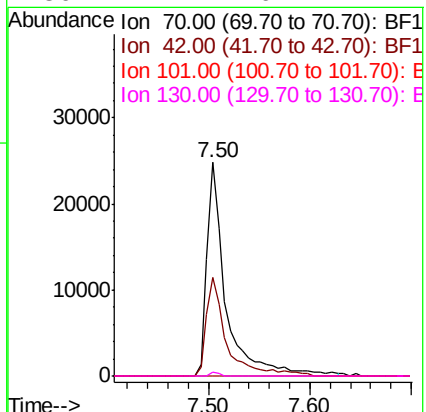
Ion Ratio Lower Upper

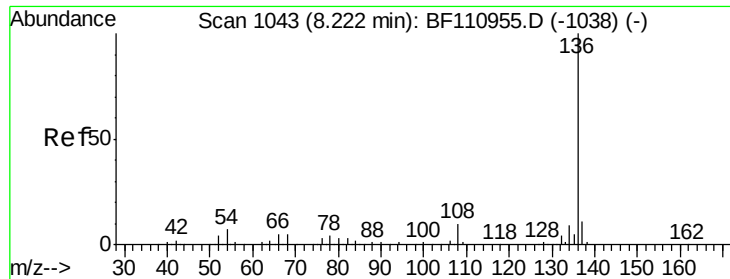
70 100

42 46.4 47.4 71.2#

101 0.0 7.3 10.9#

130 1.7 16.2 24.2#

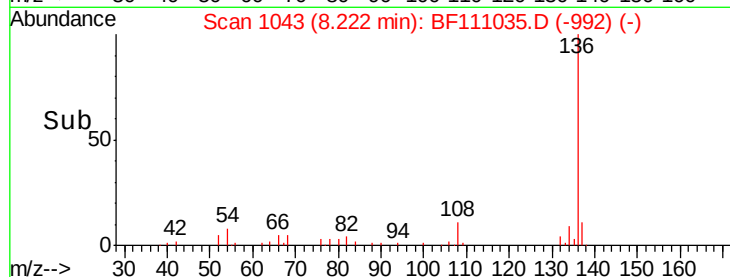
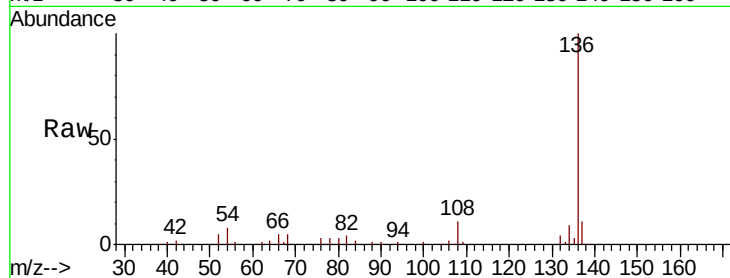




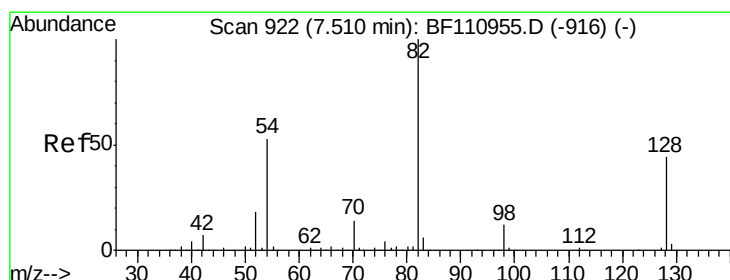
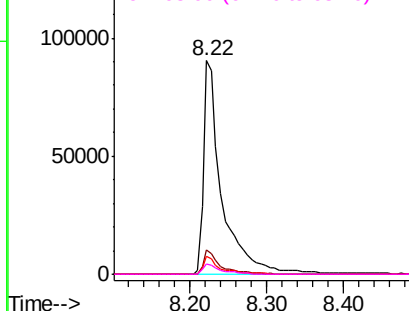
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BF111035.D
Acq: 28 Nov 2018 3:54

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

Tgt Ion:	136	Resp:	150416
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	8.4	5.4	8.2#
68	4.8	4.2	6.2

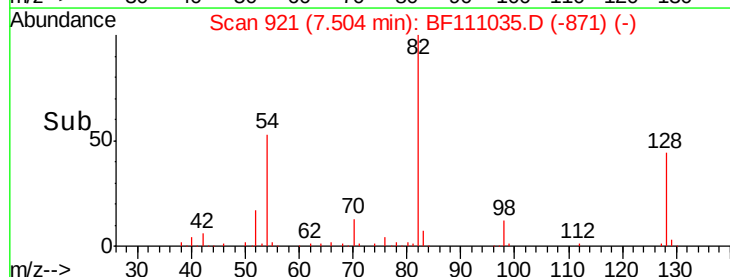
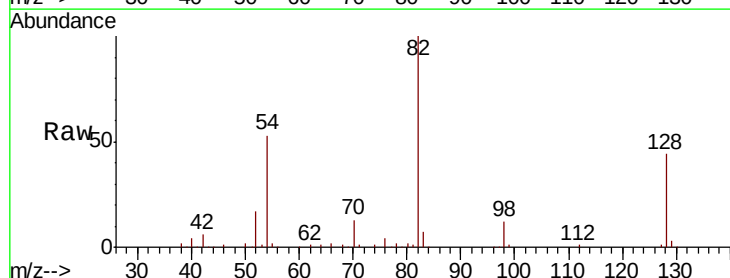


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

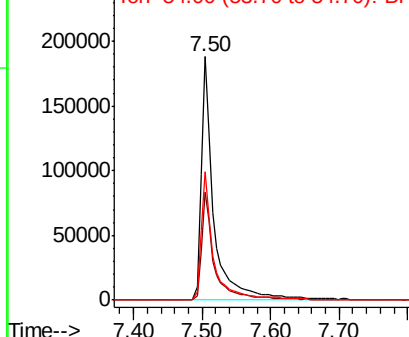


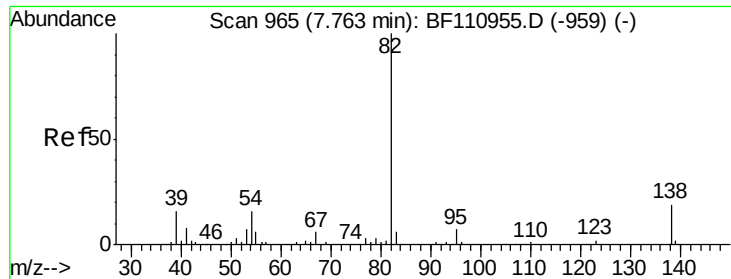
#23
Nitrobenzene-d5
Concen: 94.106 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF111035.D
Acq: 28 Nov 2018 3:54

Tgt Ion:	82	Resp:	247333
Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.2	51.2
54	52.6	38.6	58.0



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

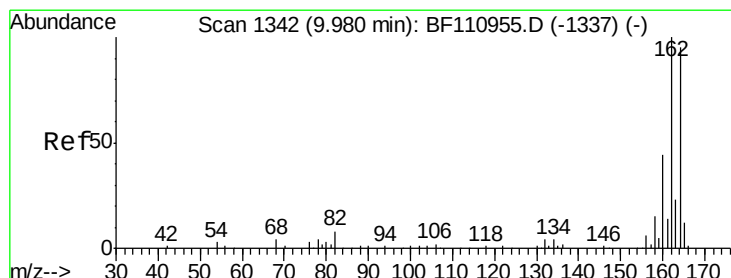
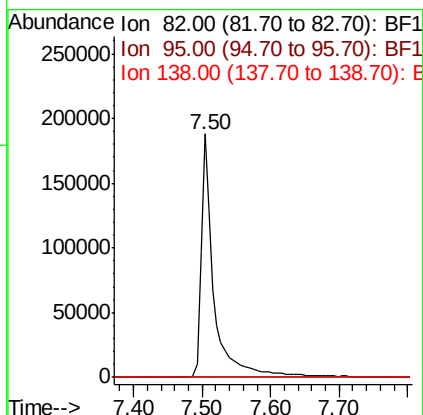
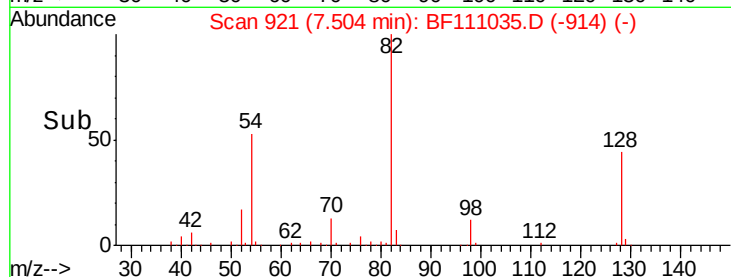
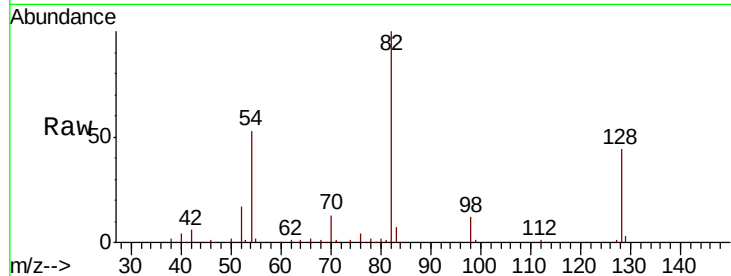




#25
Isophorone
Concen: 57.369 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.26 min
Lab File: BF111035.D
Acq: 28 Nov 2018 3:54

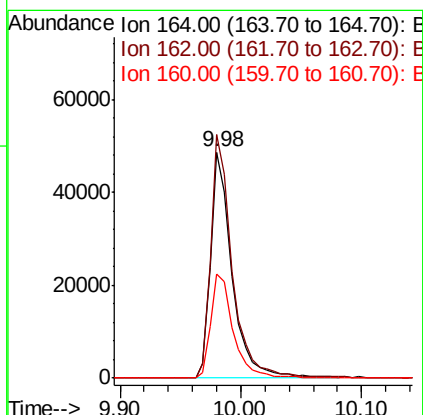
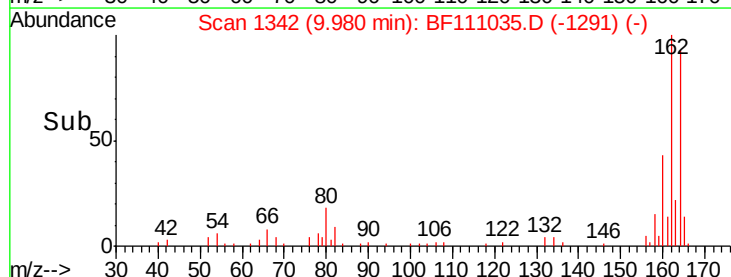
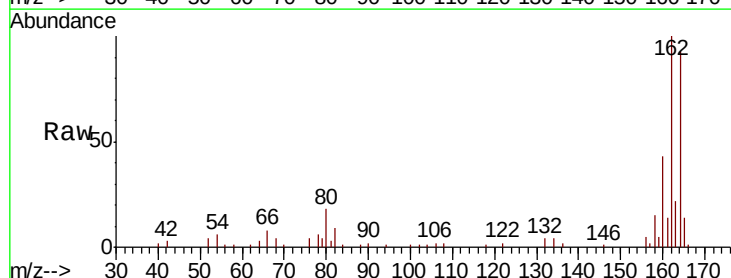
Instrument :
BNA_F
ClientSampleId :
112418-CHDE-F-U-M

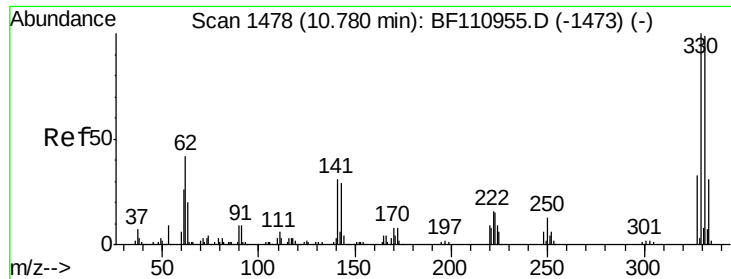
Tgt Ion: 82 Resp: 247333
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BF111035.D
Acq: 28 Nov 2018 3:54

Tgt Ion: 164 Resp: 59410
Ion Ratio Lower Upper
164 100
162 107.7 83.0 124.6
160 45.9 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 89.778 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.00 min

Lab File: BF111035.D

Acq: 28 Nov 2018 3:54

Instrument :

BNA_F

ClientSampleId :

112418-CHDE-F-U-M

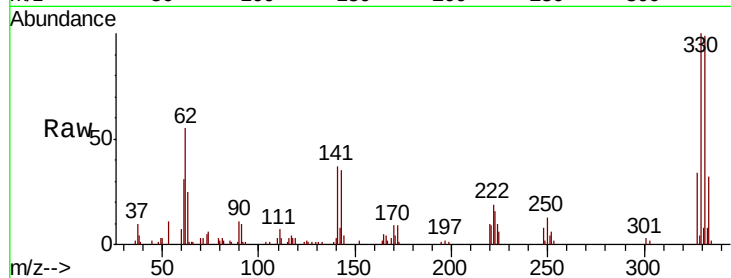
Tgt Ion:330 Resp: 52971

Ion Ratio Lower Upper

330 100

332 96.9 77.1 115.7

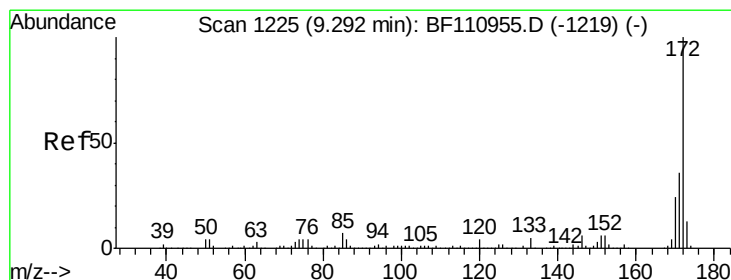
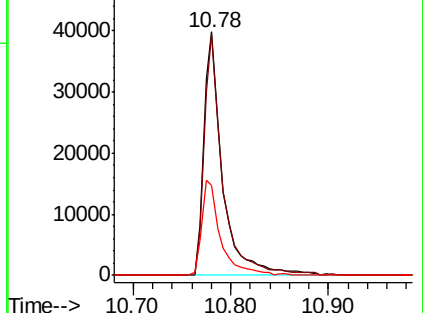
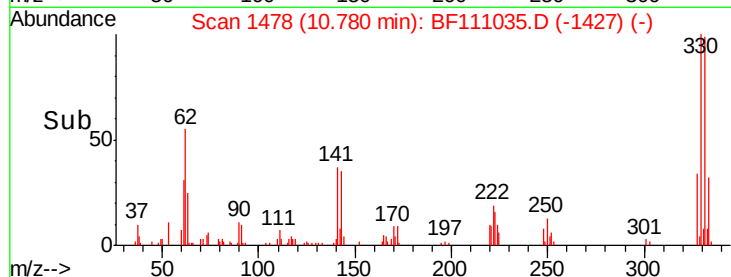
141 38.7 27.0 40.4



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: 99.544 ng

RT: 9.29 min Scan# 1225

Delta R.T. -0.00 min

Lab File: BF111035.D

Acq: 28 Nov 2018 3:54

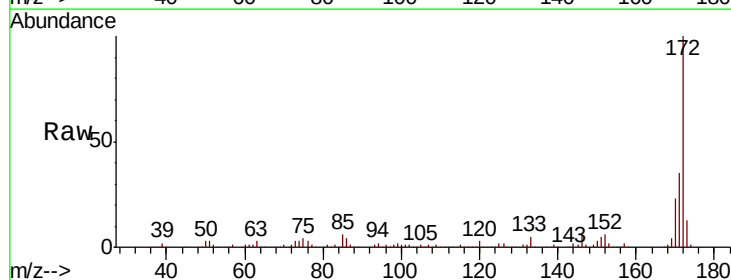
Tgt Ion:172 Resp: 408200

Ion Ratio Lower Upper

172 100

171 35.0 28.6 43.0

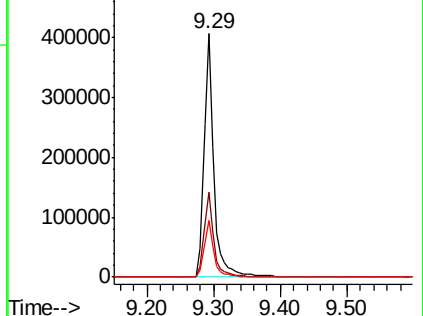
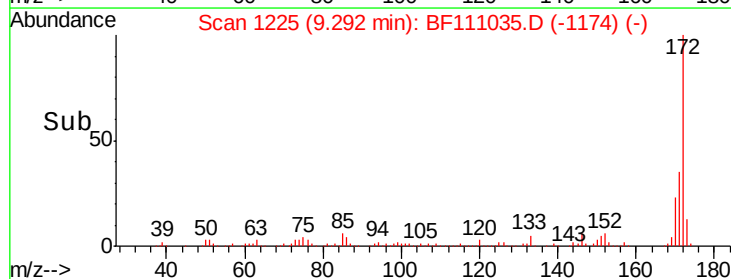
170 23.1 19.7 29.5

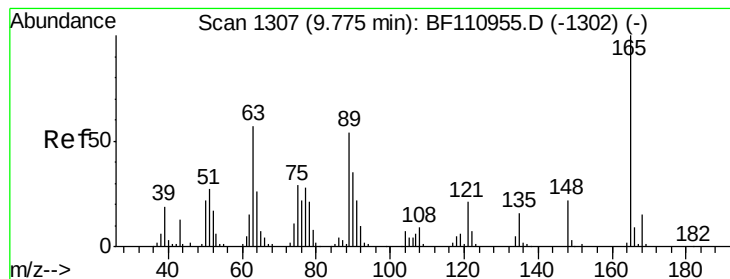


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.866 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.21 min

Lab File: BF111035.D

Acq: 28 Nov 2018 3:54

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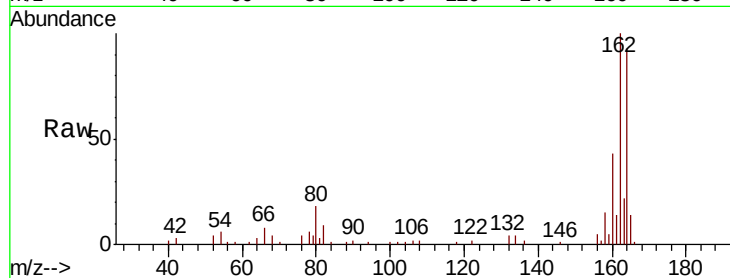
Tgt Ion:165 Resp: 7630

Ion Ratio Lower Upper

165 100

63 0.0 48.9 73.3#

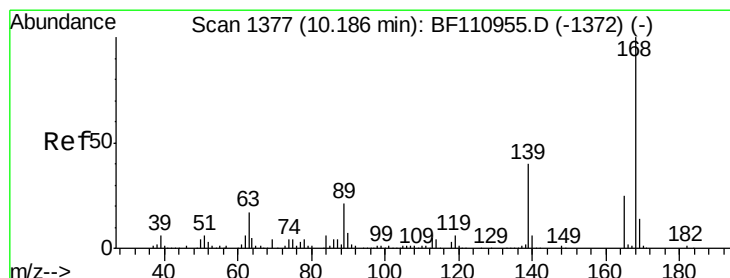
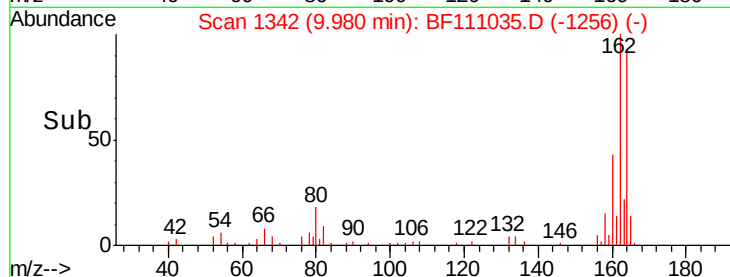
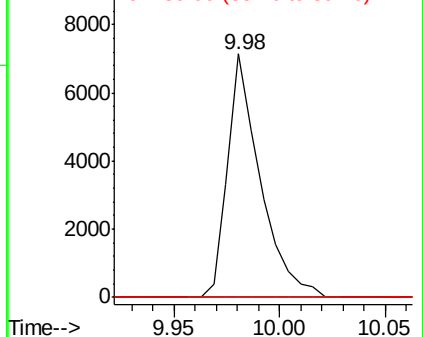
89 0.0 46.6 69.8#



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



#57

2,4-Dinitrotoluene

Concen: 6.063 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.21 min

Lab File: BF111035.D

Acq: 28 Nov 2018 3:54

Tgt Ion:165 Resp: 7630

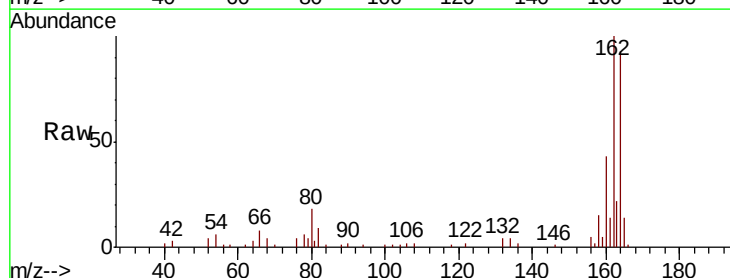
Ion Ratio Lower Upper

165 100

63 0.0 44.8 67.2#

89 0.0 62.2 93.4#

182 0.0 2.1 3.1#

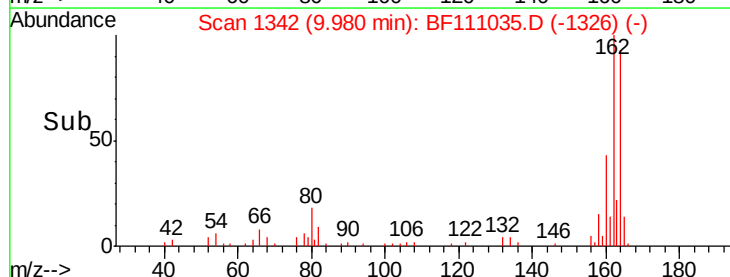
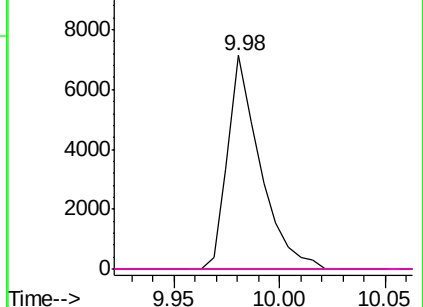


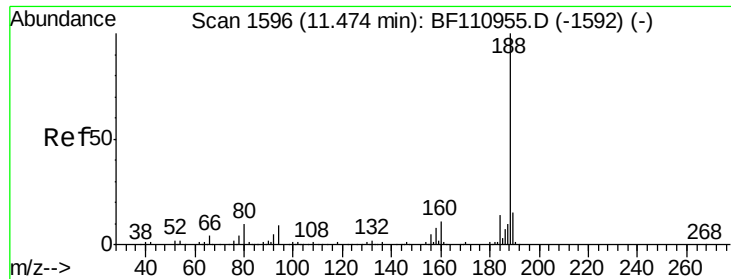
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1597

Delta R.T. 0.01 min

Lab File: BF111035.D

Acq: 28 Nov 2018 3:54

Instrument :

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ClientSampleId :

112418-CHDE-F-U-M

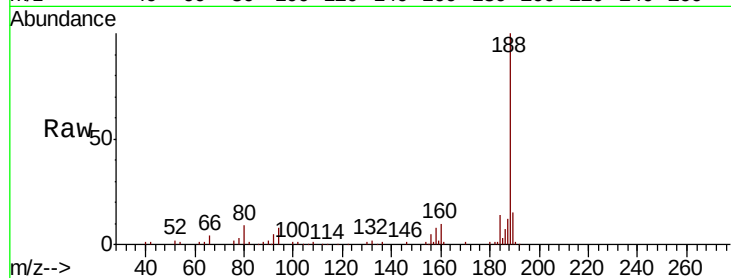
Tgt Ion:188 Resp: 123070

Ion Ratio Lower Upper

188 100

94 8.4 7.2 10.8

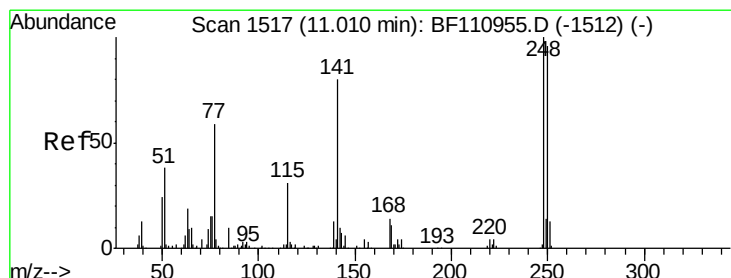
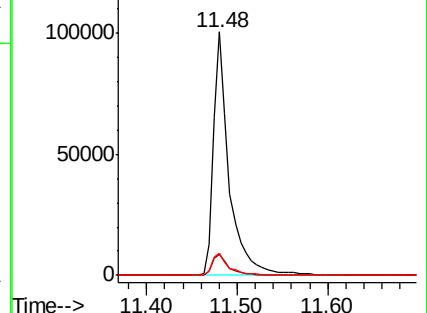
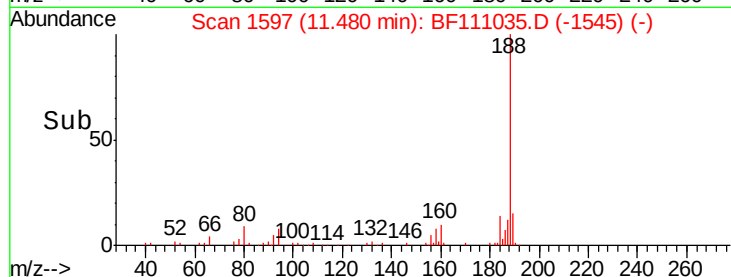
80 9.2 7.9 11.9



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



#67

4-Bromophenyl-phenylether

Concen: 2.515 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.23 min

Lab File: BF111035.D

Acq: 28 Nov 2018 3:54

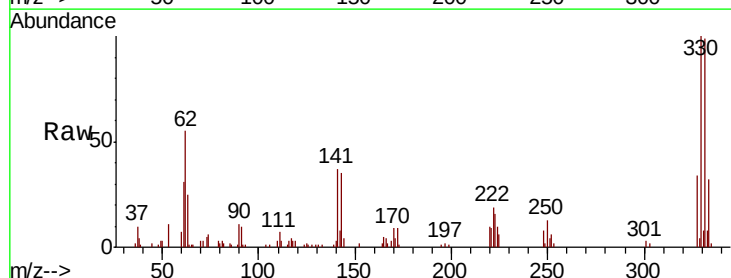
Tgt Ion:248 Resp: 3371

Ion Ratio Lower Upper

248 100

250 176.2 79.4 119.2#

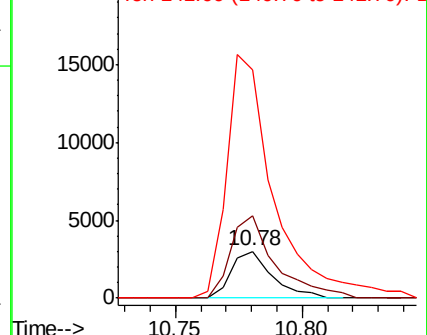
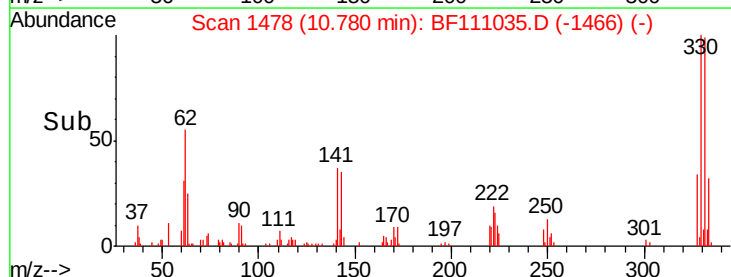
141 484.8 55.9 83.9#

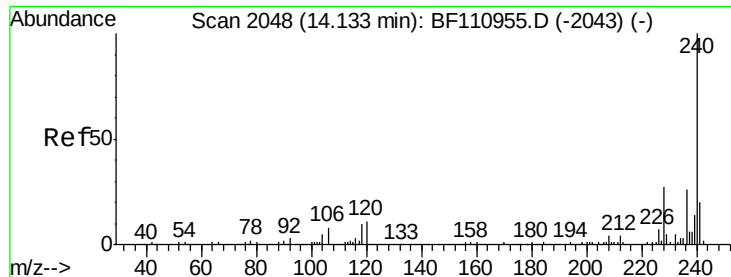


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

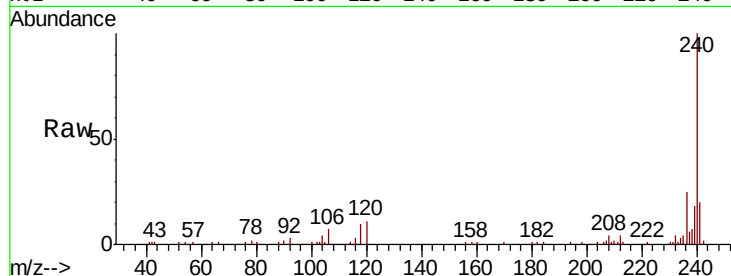




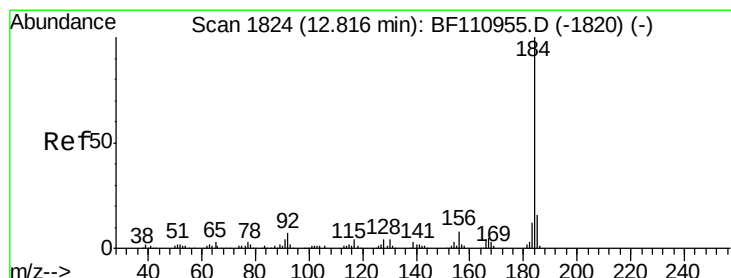
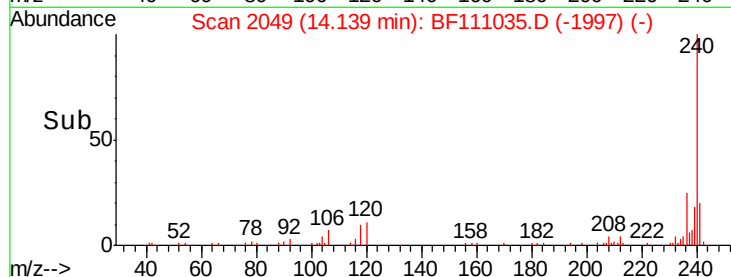
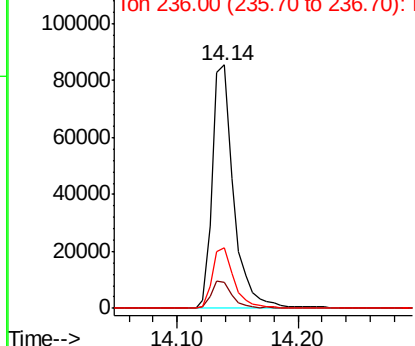
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2049
Delta R.T. 0.01 min
Lab File: BF111035.D
Acq: 28 Nov 2018 3:54

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

Tgt Ion: 240 Resp: 103782
Ion Ratio Lower Upper
240 100
120 10.6 8.3 12.5
236 24.7 21.2 31.8

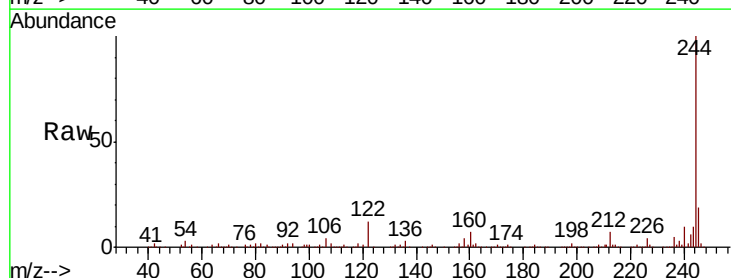


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

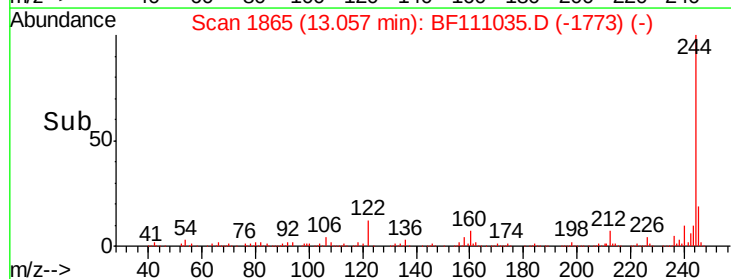
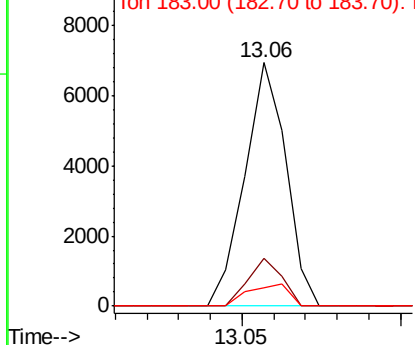


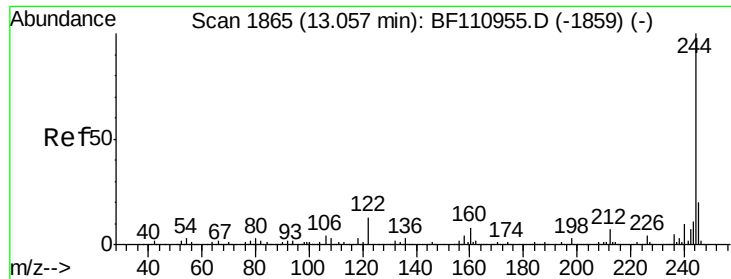
#77
Benzidine
Concen: 2.371 ng
RT: 13.06 min Scan# 1865
Delta R.T. 0.24 min
Lab File: BF111035.D
Acq: 28 Nov 2018 3:54

Tgt Ion: 184 Resp: 6293
Ion Ratio Lower Upper
184 100
185 19.6 13.4 20.2
183 7.6 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: 91.336 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.00 min

Lab File: BF111035.D

Acq: 28 Nov 2018 3:54

Instrument :

BNA_F

ClientSampleId :

112418-CHDE-F-U-M

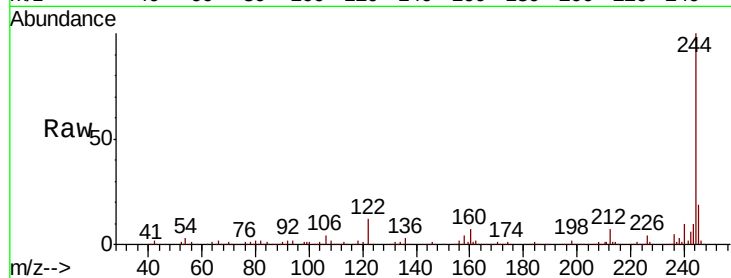
Tgt Ion:244 Resp: 486944

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

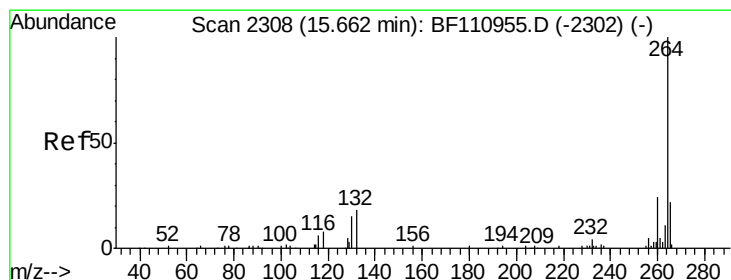
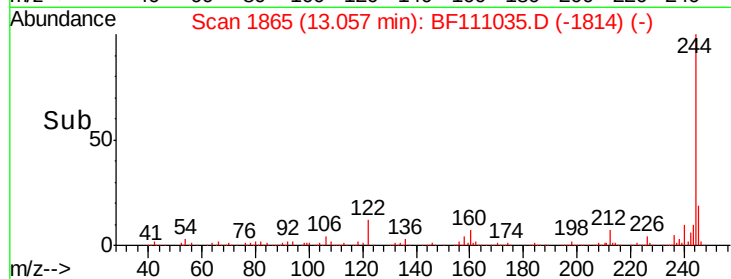
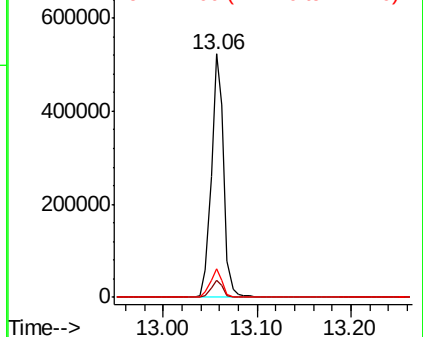
122 11.9 8.7 13.1



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: 15.68 min Scan# 2311

Delta R.T. 0.01 min

Lab File: BF111035.D

Acq: 28 Nov 2018 3:54

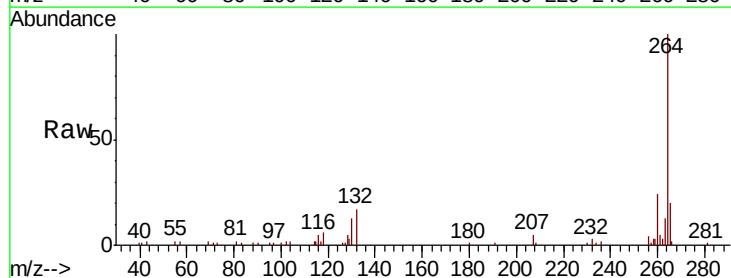
Tgt Ion:264 Resp: 64920

Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

265 19.7 16.7 25.1



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

