

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112718\
 Data File : BF111036.D
 Acq On : 28 Nov 2018 4:21
 Operator : JU/SJ
 Sample : J5070-20
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

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

Quant Time: Nov 28 06:11:29 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

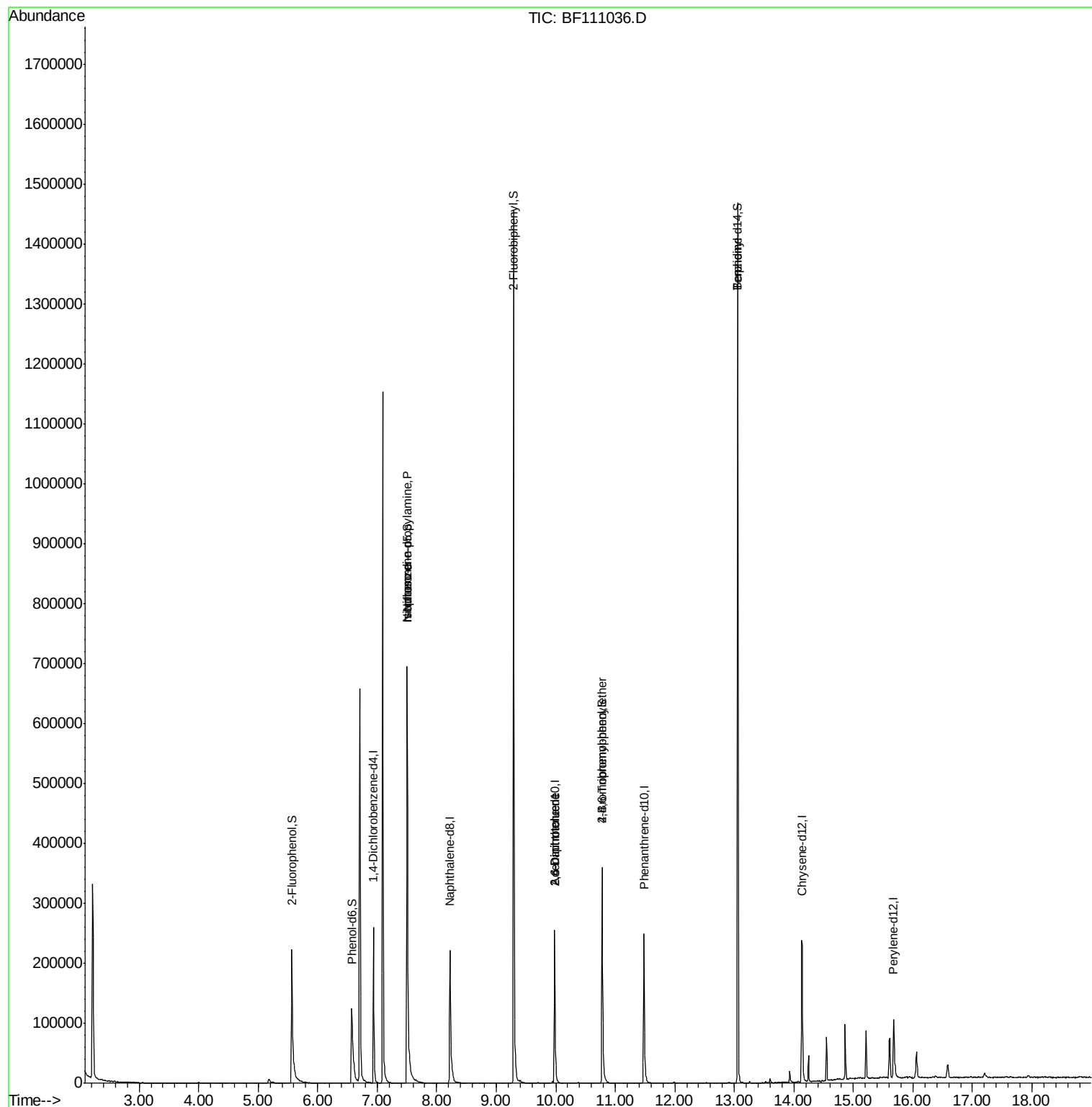
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	44577	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	165737	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	65505	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	129824	20.00	ng	0.00
76) Chrysene-d12	14.13	240	107847	20.00	ng	0.00
87) Perylene-d12	15.68	264	68385	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	112310	41.78	ng	0.01
7) Phenol-d6	6.57	99	86652	24.74	ng	0.00
23) Nitrobenzene-d5	7.50	82	283572	97.92	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	60309	92.70	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	476237	105.33	ng	0.00
79) Terphenyl-d14	13.06	244	512033	92.42	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.50	70	36256	15.889	ng	Qvalue 80
25) Isophorone	7.50	82	283572	59.695	ng	# 67
51) 2,6-Dinitrotoluene	9.98	165	8375	7.831	ng	# 21
57) 2,4-Dinitrotoluene	9.98	165	8375	6.036	ng	# 17
67) 4-Bromophenyl-phenylether	10.78	248	3530	2.497	ng	# 1
77) Benzidine	13.06	184	6802	2.466	ng	# 94

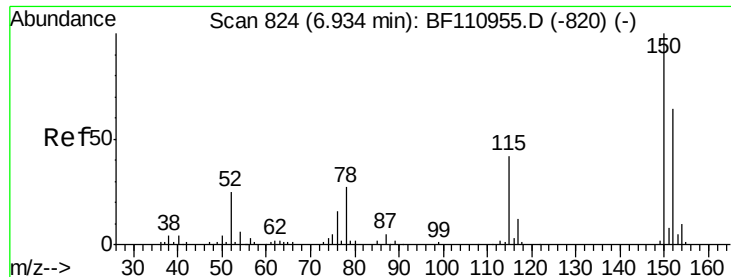
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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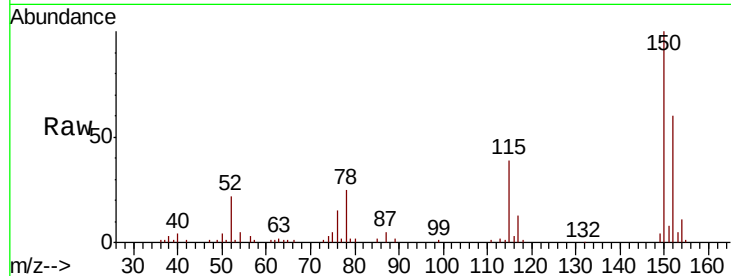


#1

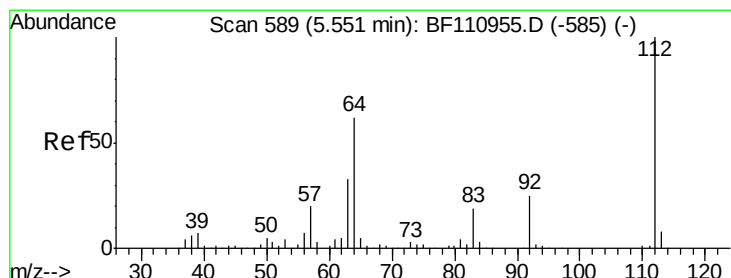
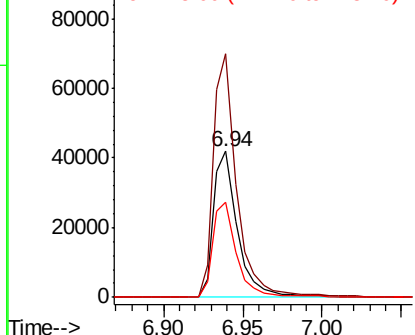
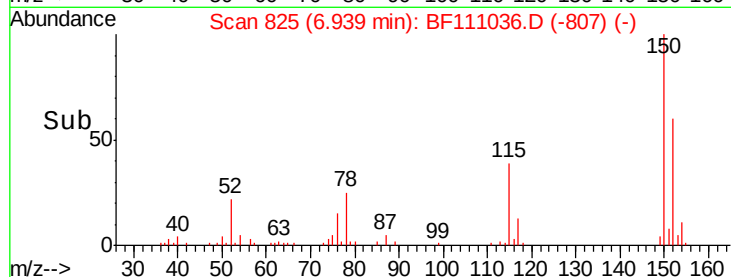
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. 0.01 min
Lab File: BF111036.D
Acq: 28 Nov 2018 4:21

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

Tgt Ion:152 Resp: 44577
Ion Ratio Lower Upper
152 100
150 166.6 122.7 184.1
115 65.4 49.1 73.7



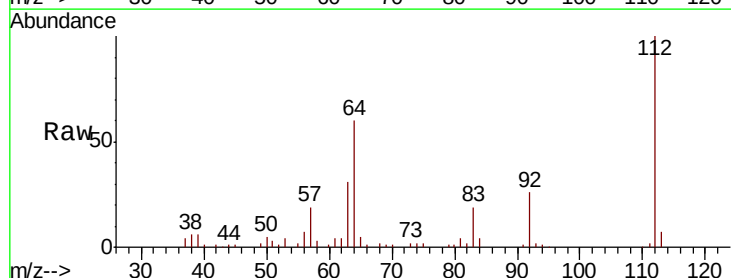
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



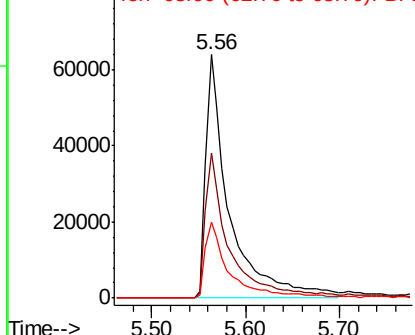
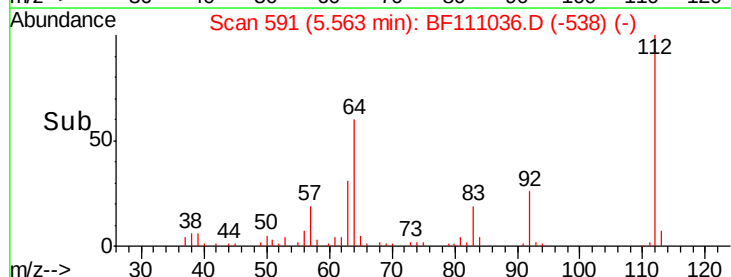
#5

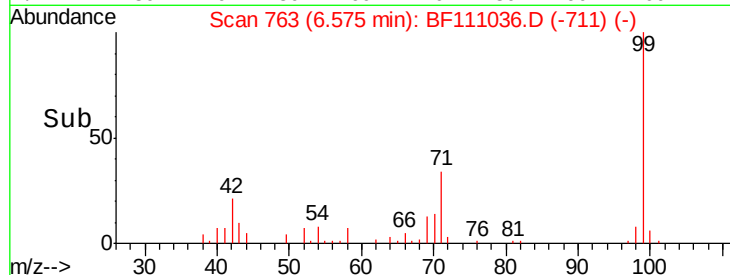
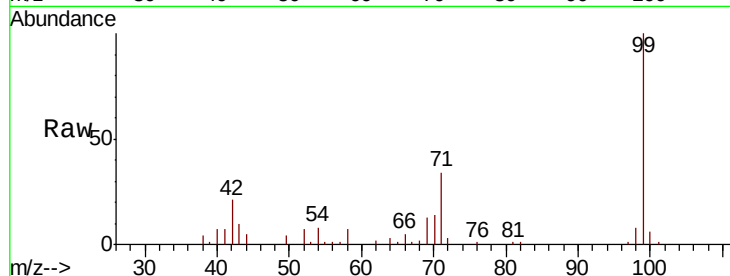
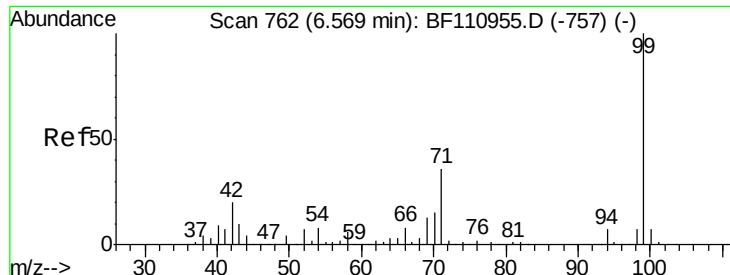
2-Fluorophenol
Concen: 41.781 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.01 min
Lab File: BF111036.D
Acq: 28 Nov 2018 4:21

Tgt Ion:112 Resp: 112310
Ion Ratio Lower Upper
112 100
64 59.8 44.1 66.1
63 31.2 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

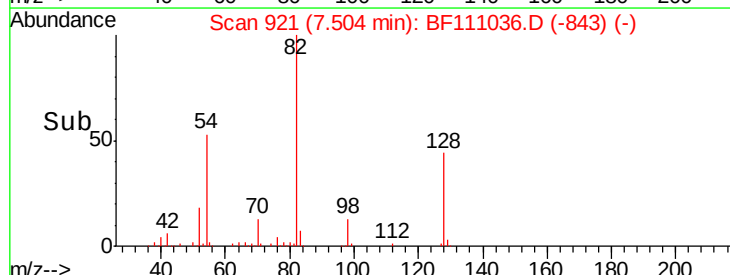
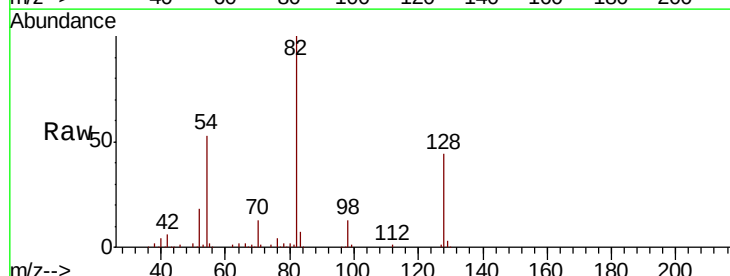
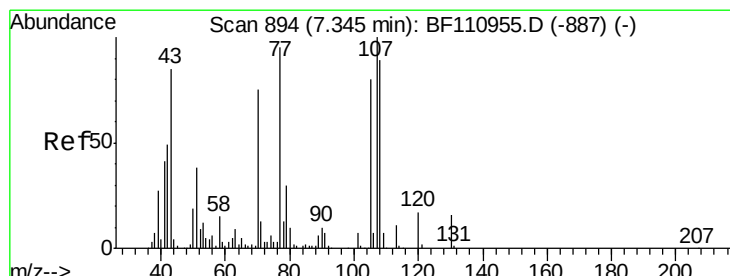
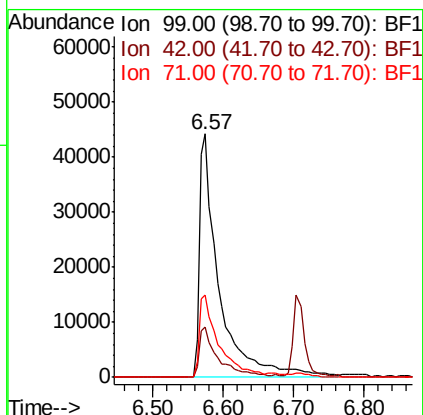




#7
 Phenol-d6
 Concen: 24.736 ng
 RT: 6.57 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BF111036.D
 Acq: 28 Nov 2018 4:21

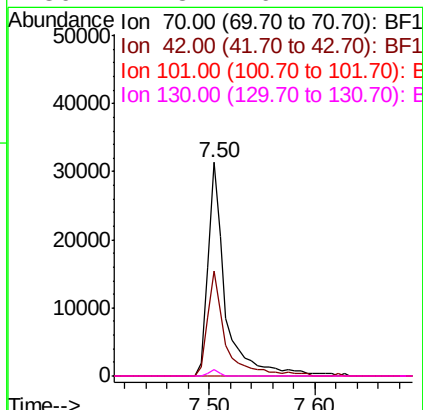
Instrument :
 BNA_F
 ClientSampleId :
 112418-CHDE-F-U-S

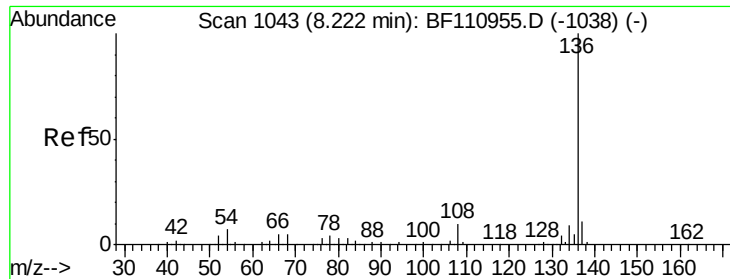
Tgt Ion: 99 Resp: 86652
 Ion Ratio Lower Upper
 99 100
 42 20.7 15.8 23.6
 71 33.7 28.0 42.0



#19
 n-Nitroso-di-n-propylamine
 Concen: 15.889 ng
 RT: 7.50 min Scan# 921
 Delta R.T. 0.16 min
 Lab File: BF111036.D
 Acq: 28 Nov 2018 4:21

Tgt Ion: 70 Resp: 36256
 Ion Ratio Lower Upper
 70 100
 42 49.0 47.4 71.2
 101 0.0 7.3 10.9#
 130 2.8 16.2 24.2#

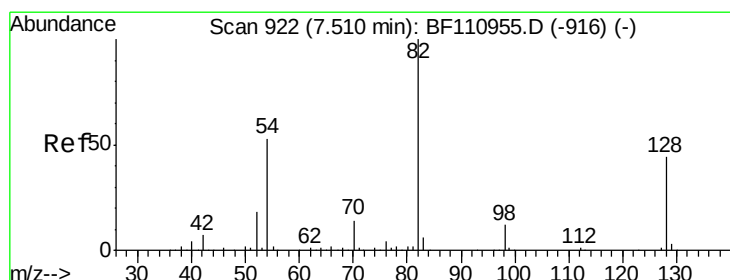
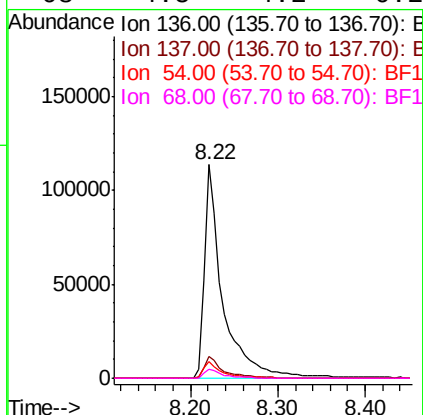
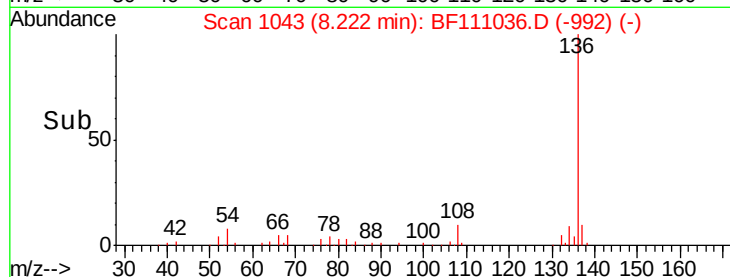
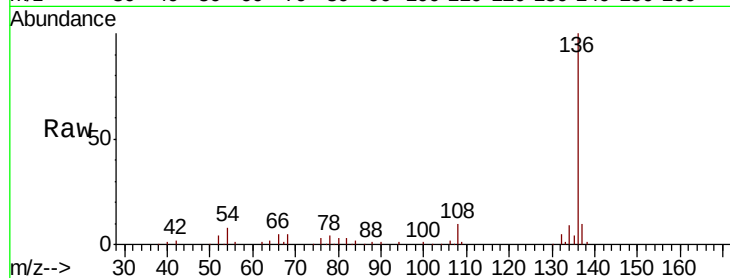




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BF111036.D
Acq: 28 Nov 2018 4:21

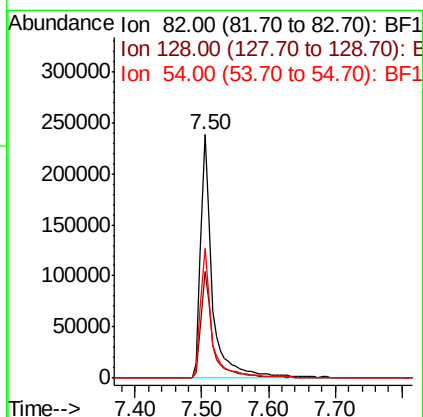
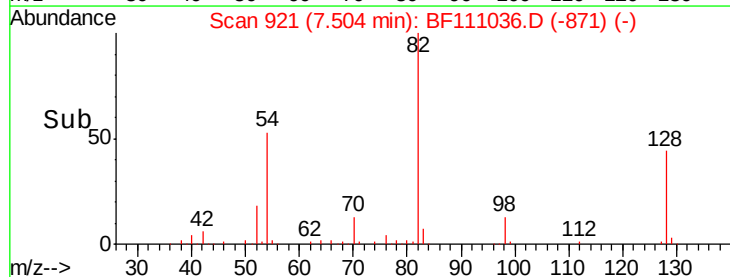
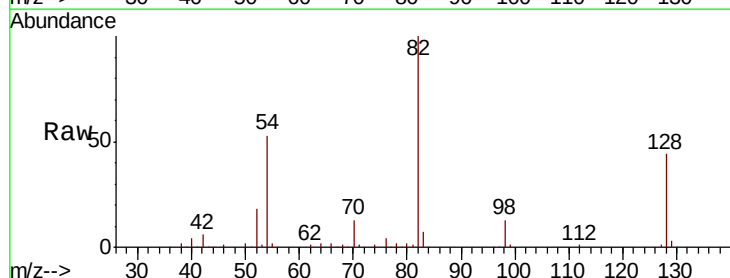
Instrument :
BNA_F
ClientSampleId :
112418-CHDE-F-U-S

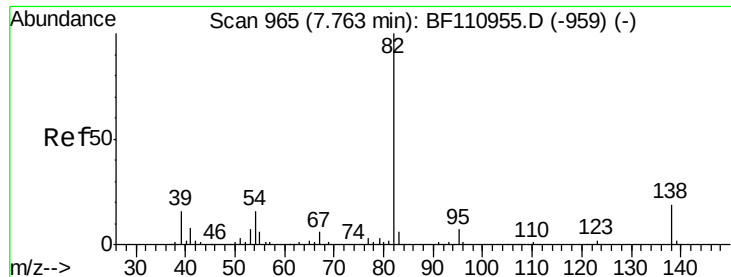
Tgt Ion:	136	Resp:	165737
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.8	13.2
54	7.9	5.4	8.2
68	4.5	4.2	6.2



#23
Nitrobenzene-d5
Concen: 97.920 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF111036.D
Acq: 28 Nov 2018 4:21

Tgt Ion:	82	Resp:	283572
Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.2	51.2
54	53.1	38.6	58.0





#25

Isophorone

Concen: 59.695 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.26 min

Lab File: BF111036.D

Acq: 28 Nov 2018 4:21

Instrument :

BNA_F

ClientSampleId :

112418-CHDE-F-U-S

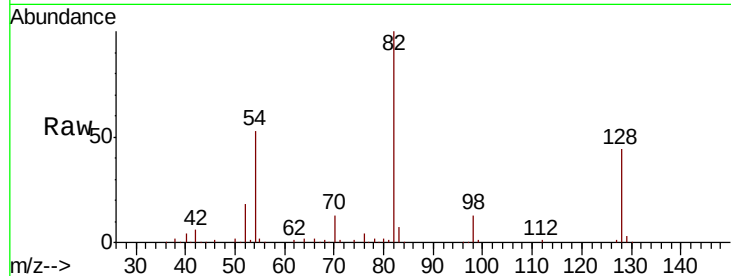
Tgt Ion: 82 Resp: 283572

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

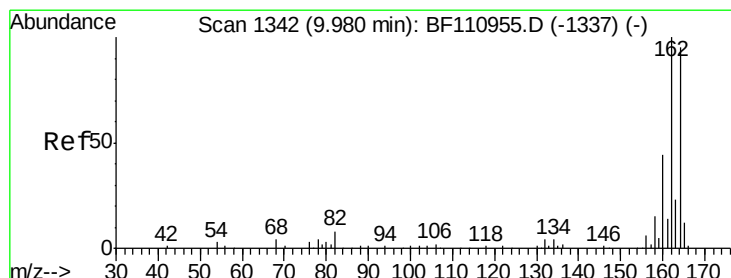
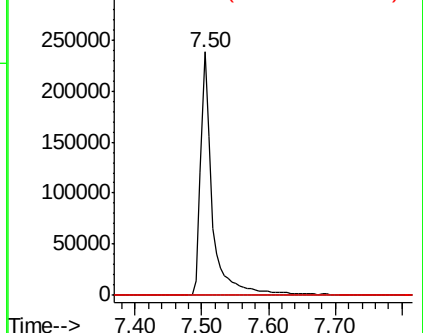
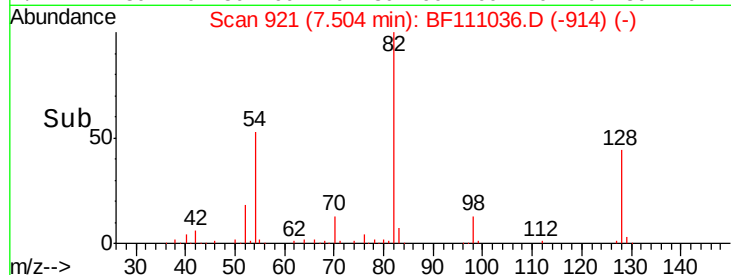
138 0.0 13.2 19.8#



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: BF111036.D

Acq: 28 Nov 2018 4:21

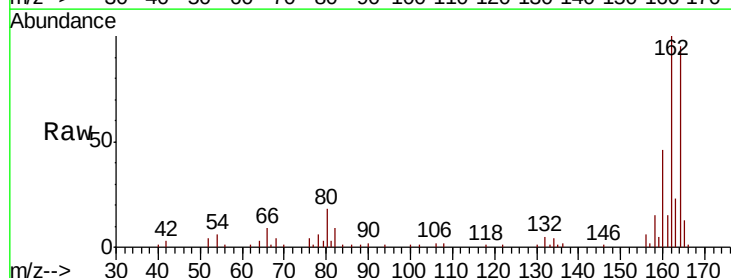
Tgt Ion: 164 Resp: 65505

Ion Ratio Lower Upper

164 100

162 105.7 83.0 124.6

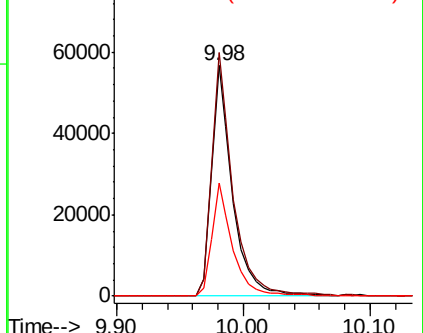
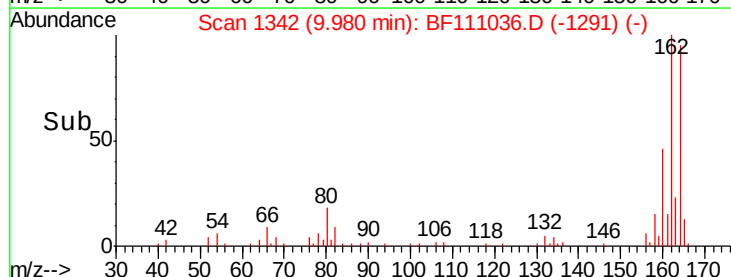
160 48.9 37.0 55.6

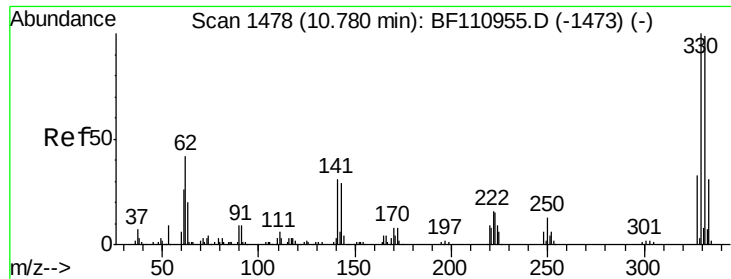


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

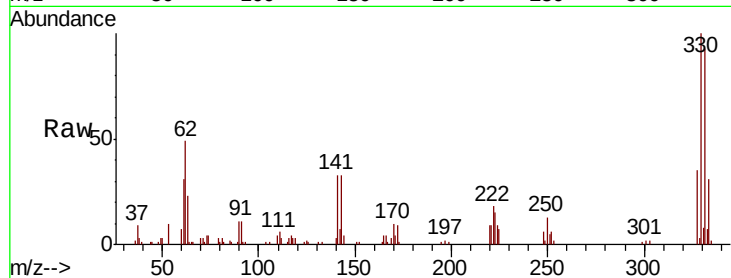




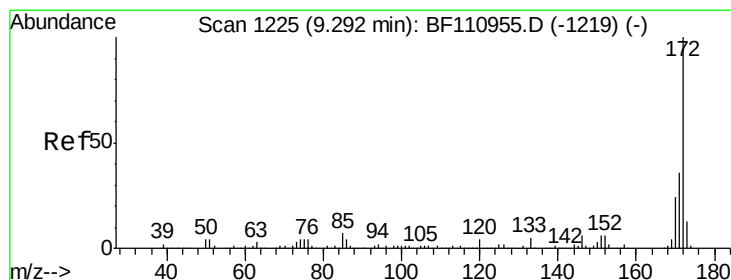
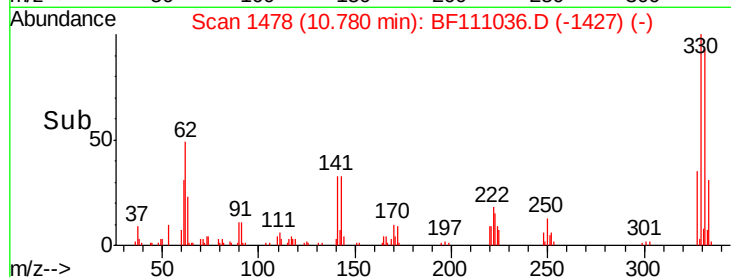
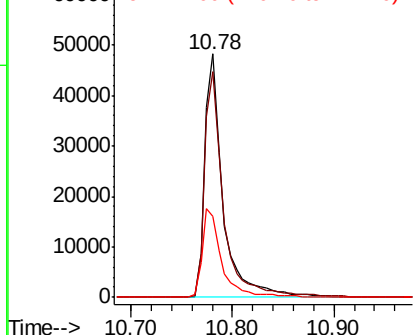
#42
 2,4,6-Tribromophenol
 Concen: 92.704 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.00 min
 Lab File: BF111036.D
 Acq: 28 Nov 2018 4:21

Instrument :
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 112418-CHDE-F-U-S

Tgt Ion:330 Resp: 60309
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.1 115.7
 141 38.8 27.0 40.4

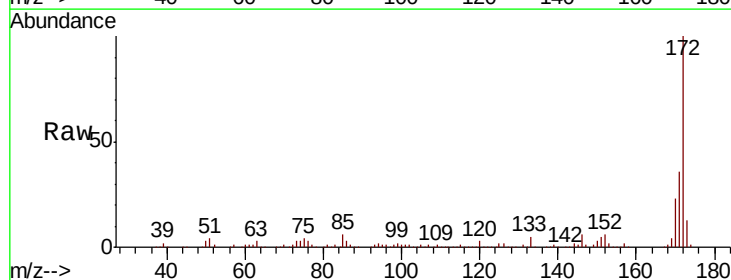


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

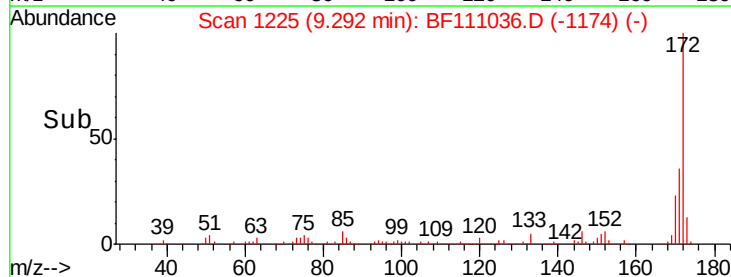
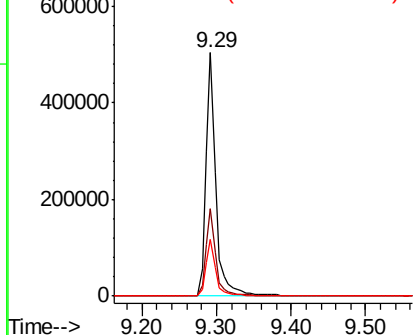


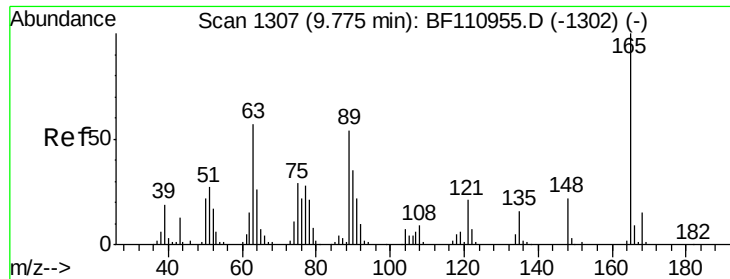
#45
 2-Fluorobiphenyl
 Concen: 105.329 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: BF111036.D
 Acq: 28 Nov 2018 4:21

Tgt Ion:172 Resp: 476237
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.6 43.0
 170 23.3 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: 7.831 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.21 min

Lab File: BF111036.D

Acq: 28 Nov 2018 4:21

Instrument :

BNA_F

ClientSampleId :

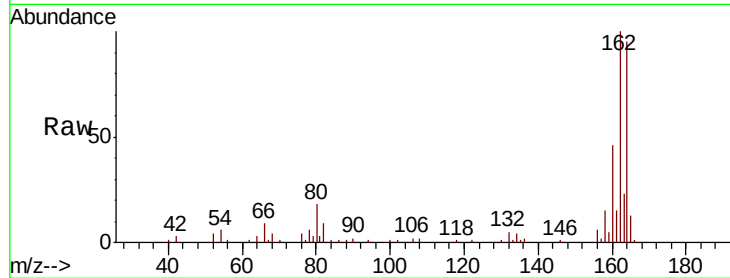
112418-CHDE-F-U-S

Tgt Ion:165 Resp: 8375
Ion Ratio Lower Upper

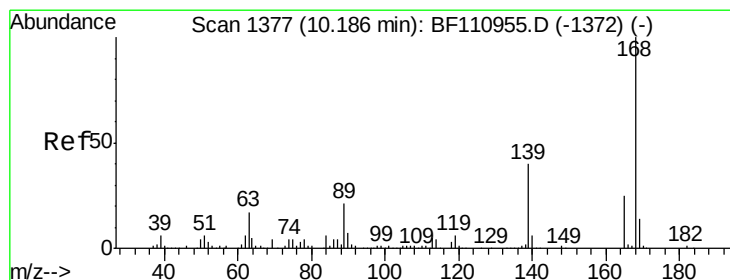
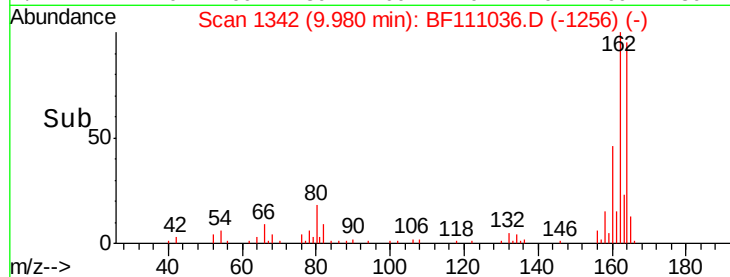
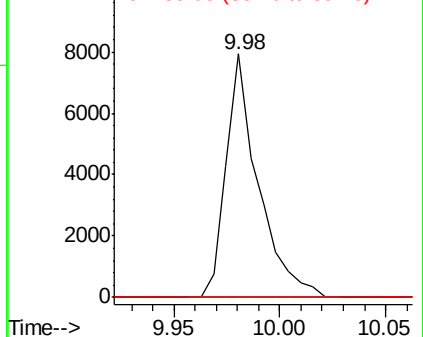
165 100

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: 6.036 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.21 min

Lab File: BF111036.D

Acq: 28 Nov 2018 4:21

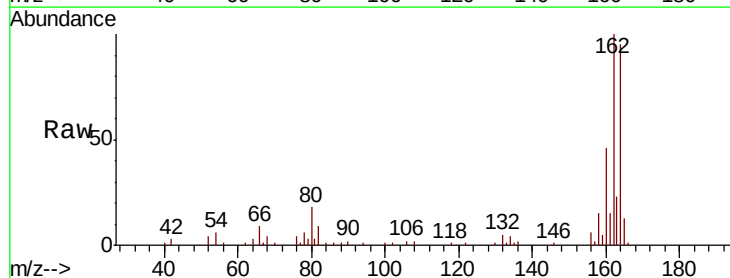
Tgt Ion:165 Resp: 8375
Ion Ratio Lower Upper

165 100

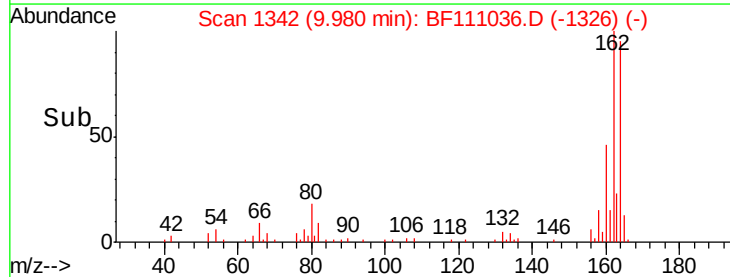
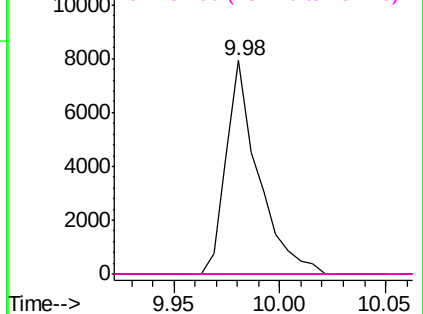
63 0.0 44.8 67.2#

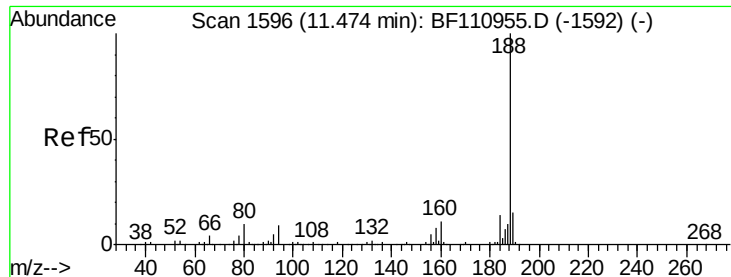
89 0.0 62.2 93.4#

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: BF111036.D

Acq: 28 Nov 2018 4:21

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112418-CHDE-F-U-S

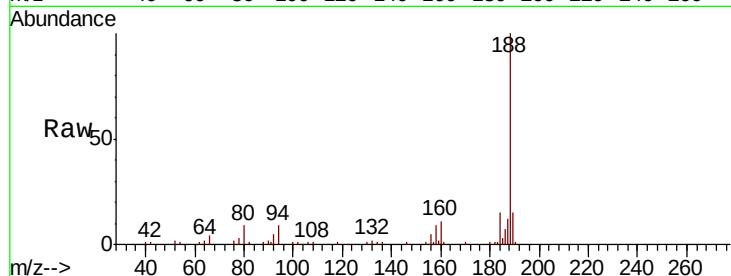
Tgt Ion:188 Resp: 129824

Ion Ratio Lower Upper

188 100

94 8.7 7.2 10.8

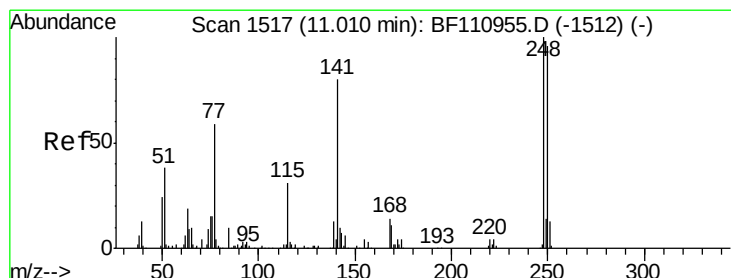
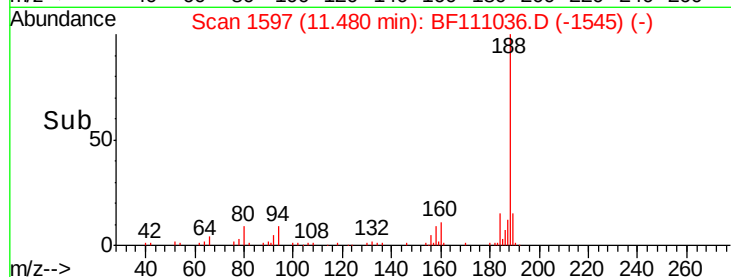
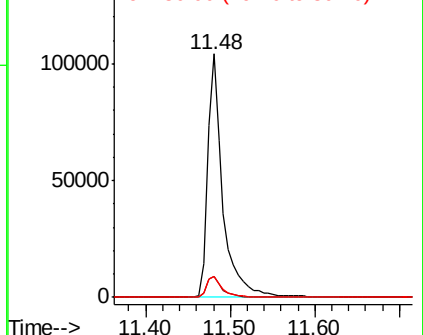
80 8.8 7.9 11.9



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: 2.497 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.23 min

Lab File: BF111036.D

Acq: 28 Nov 2018 4:21

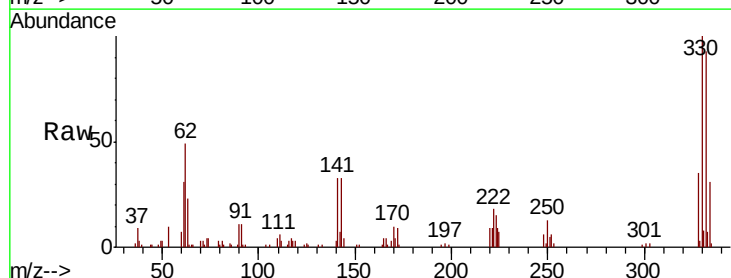
Tgt Ion:248 Resp: 3530

Ion Ratio Lower Upper

248 100

250 206.3 79.4 119.2#

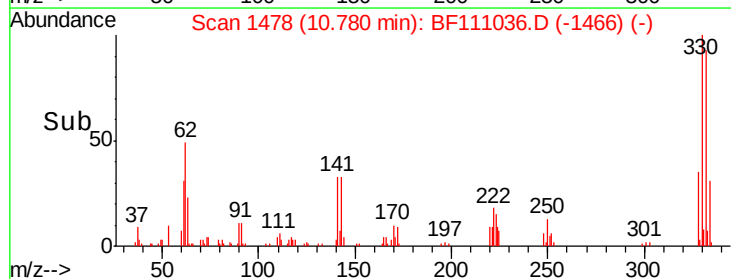
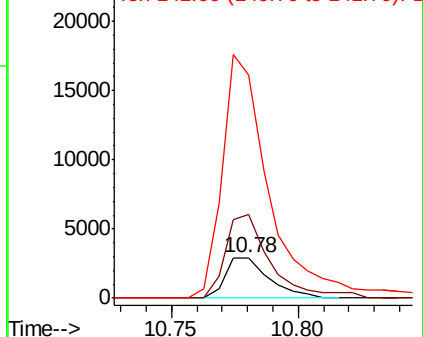
141 549.4 55.9 83.9#

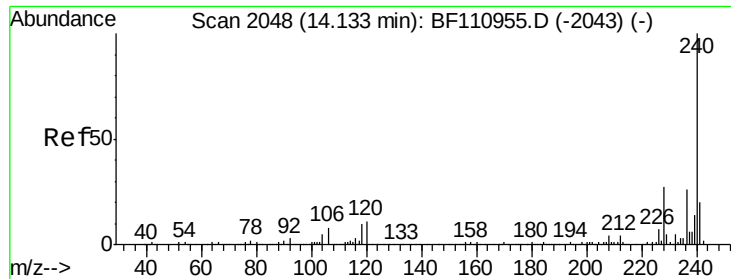


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

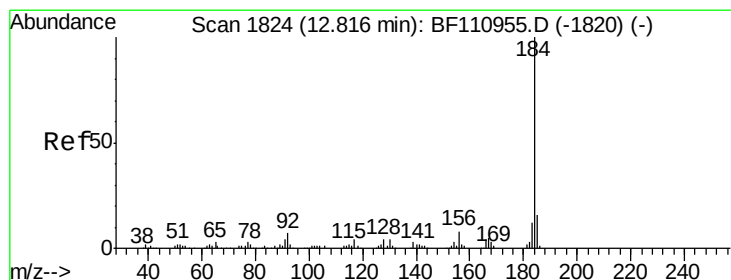
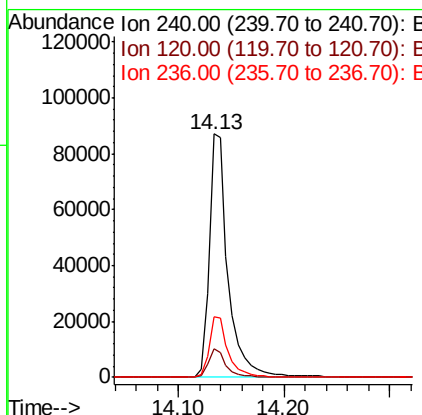
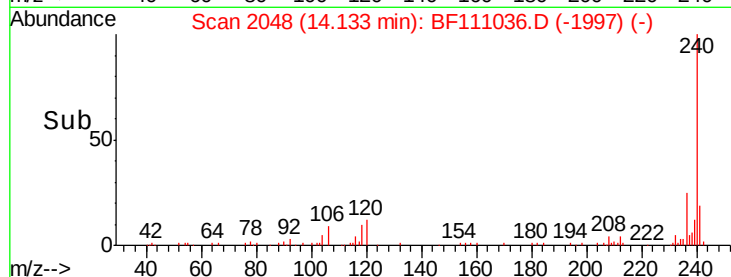
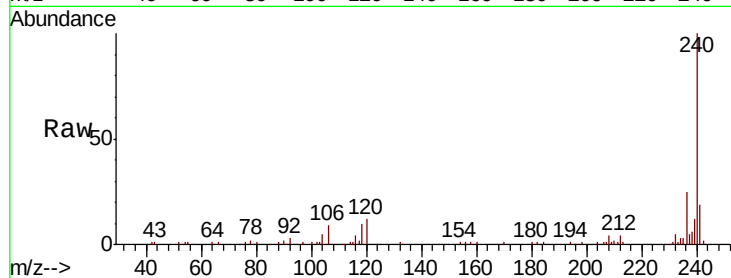




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.00 min
Lab File: BF111036.D
Acq: 28 Nov 2018 4:21

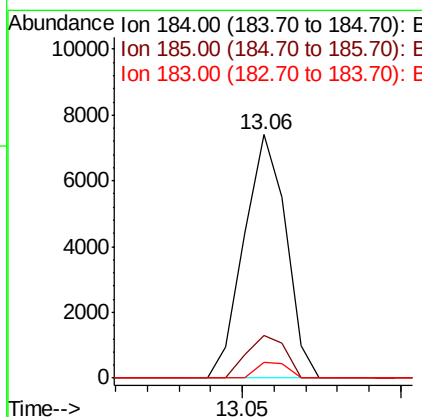
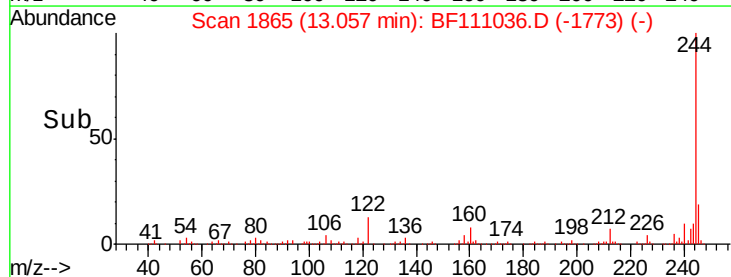
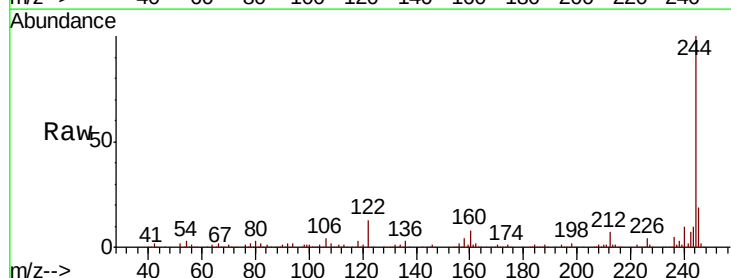
Instrument :
BNA_F
ClientSampleId :
112418-CHDE-F-U-S

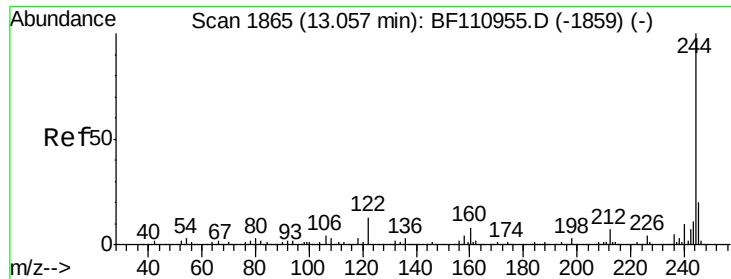
Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.9	8.3	12.5
236	24.8	21.2	31.8



#77
Benzidine
Concen: 2.466 ng
RT: 13.06 min Scan# 1865
Delta R.T. 0.24 min
Lab File: BF111036.D
Acq: 28 Nov 2018 4:21

Tgt Ion	Ratio	Lower	Upper
184	100		
185	17.4	13.4	20.2
183	6.7	9.4	14.2#





#79

Terphenyl-d14

Concen: 92.422 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.00 min

Lab File: BF111036.D

Acq: 28 Nov 2018 4:21

Instrument :

BNA_F

ClientSampleId :

112418-CHDE-F-U-S

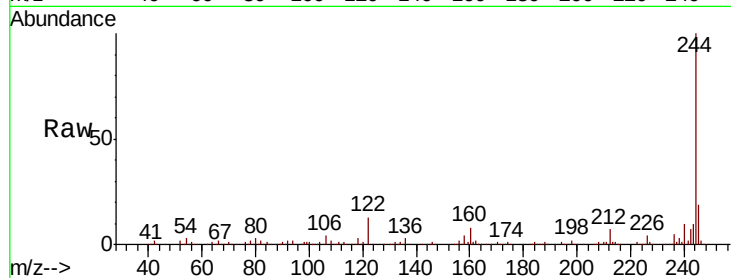
Tgt Ion:244 Resp: 512033

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

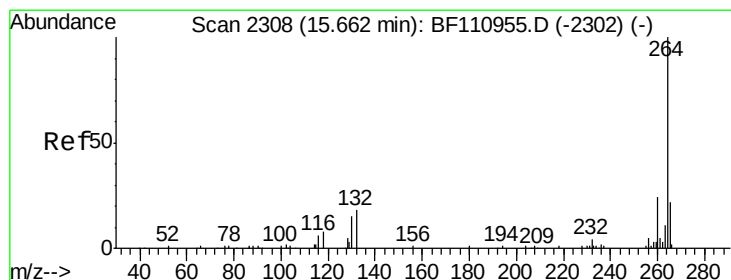
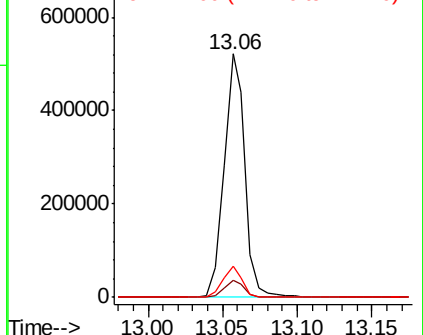
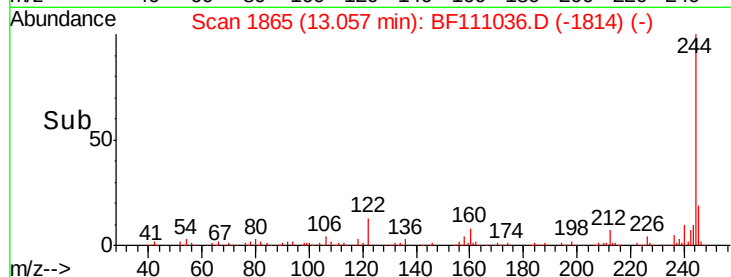
122 12.9 8.7 13.1



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: BF111036.D

Acq: 28 Nov 2018 4:21

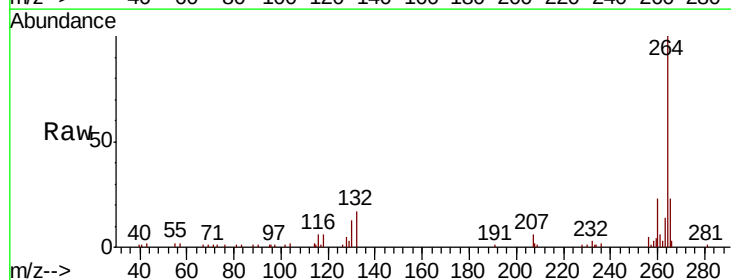
Tgt Ion:264 Resp: 68385

Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

265 22.5 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

