

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111318\
 Data File : BF110741.D
 Acq On : 14 Nov 2018 1:23
 Operator : JU/SJ
 Sample : J5921-08 20X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-UST-MIDDLE

Quant Time: Nov 14 04:32:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	76576	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	291966	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	113983	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	186420	20.00	ng	0.00
76) Chrysene-d12	14.13	240	157536	20.00	ng	-0.01
87) Perylene-d12	15.66	264	100924	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	7260	1.54	ng	0.01
7) Phenol-d6	6.58	99	7680	1.27	ng	0.00
23) Nitrobenzene-d5	7.51	82	14796	2.92	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	4614	4.02	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	32741	4.10	ng	0.00
79) Terphenyl-d14	13.06	244	28056	3.34	ng	0.00

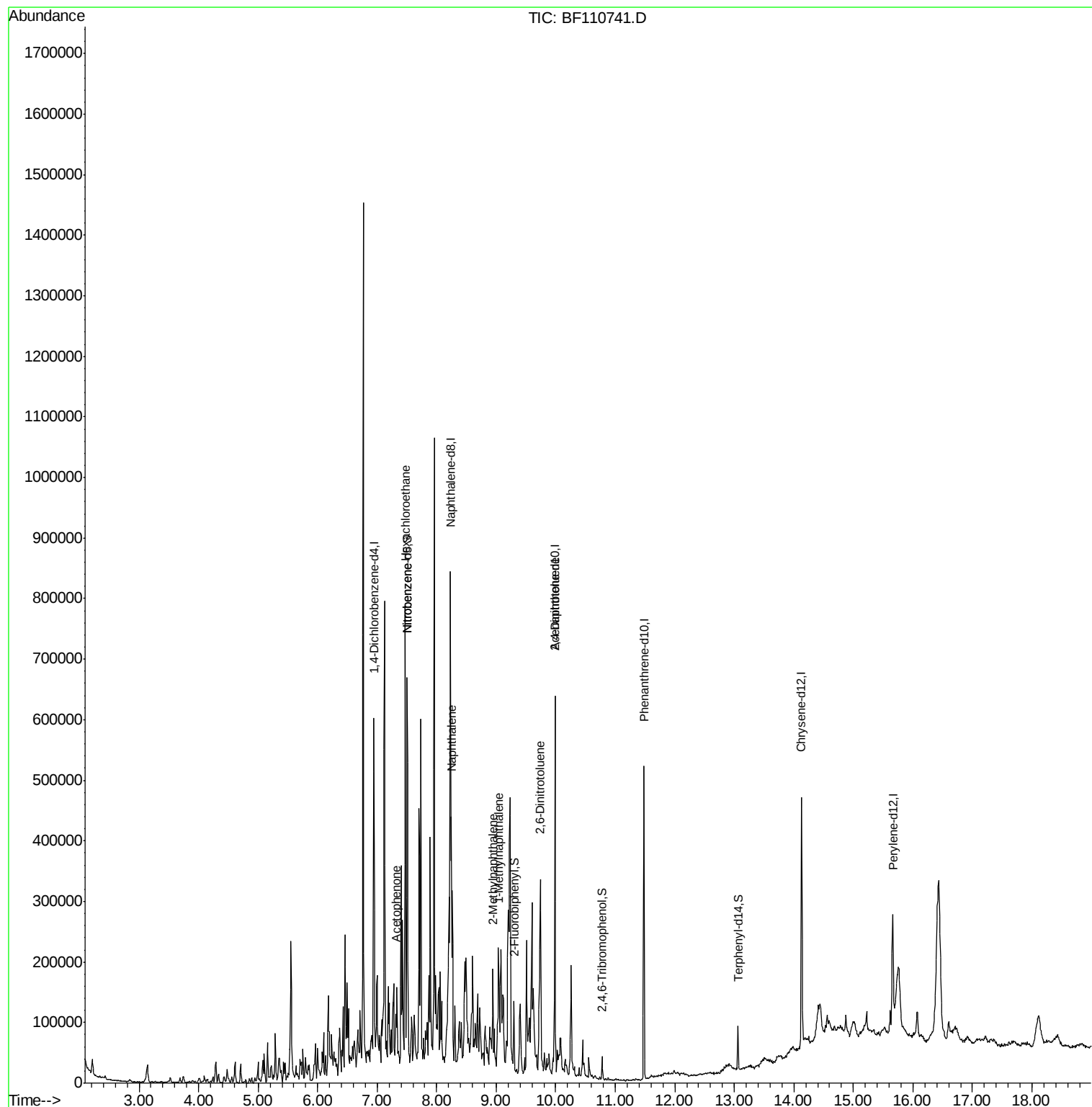
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.47	117	51543	22.737	ng	# 1
22) Acetophenone	7.33	105	38535	5.663	ng	# 60
24) Nitrobenzene	7.50	77	11222	2.160	ng	# 1
31) Naphthalene	8.25	128	130289	9.506	ng	98
37) 2-Methylnaphthalene	8.94	142	31728	3.531	ng	98
38) 1-Methylnaphthalene	9.04	142	25044	2.898	ng	# 97
51) 2,6-Dinitrotoluene	9.74	165	6307	3.371	ng	# 71
57) 2,4-Dinitrotoluene	9.99	165	14644	6.020	ng	# 23

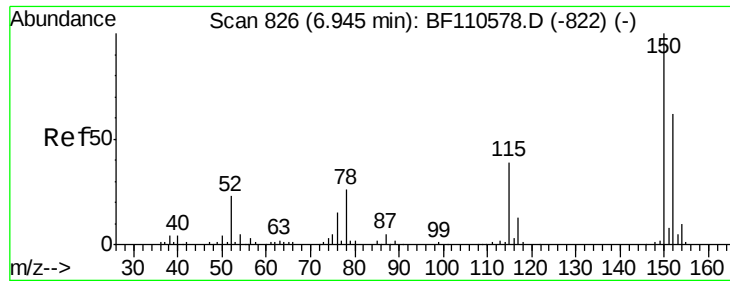
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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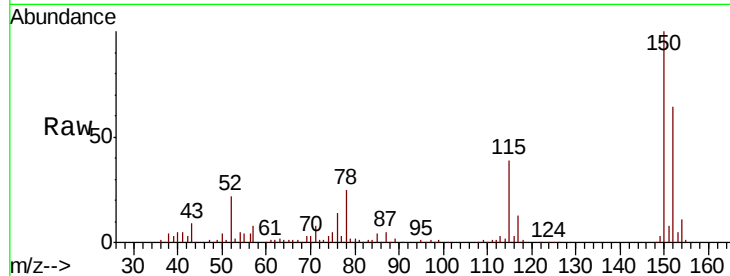




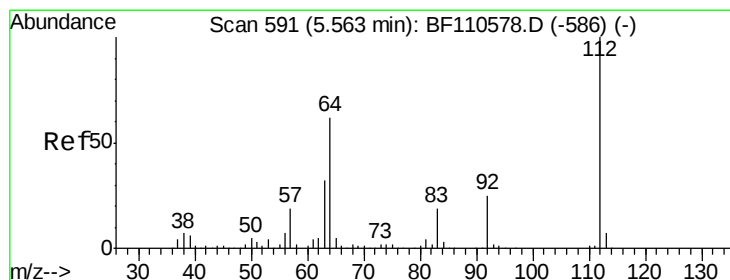
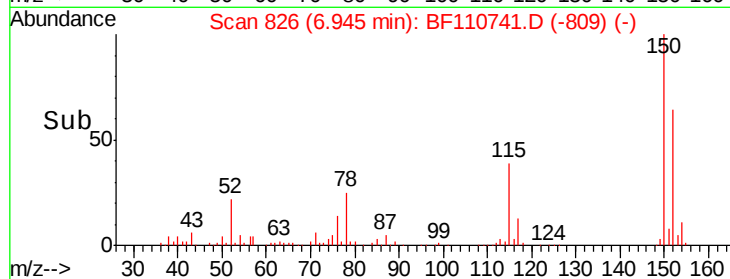
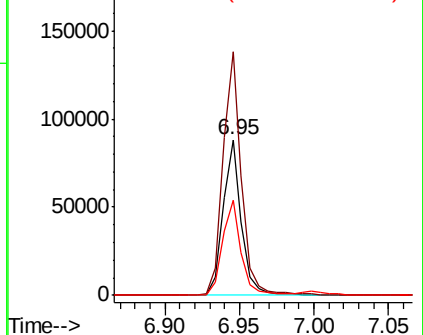
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF110741.D
 Acq: 14 Nov 2018 1:23

Instrument :
 BNA_F
 ClientSampleId :
 SP-UST-MIDDLE

Tgt Ion:152 Resp: 76576
 Ion Ratio Lower Upper
 152 100
 150 156.6 122.7 184.1
 115 61.6 49.1 73.7

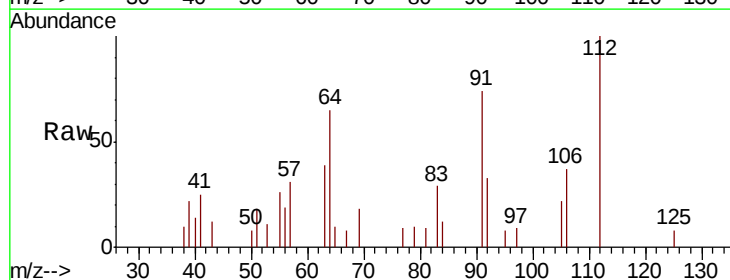


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

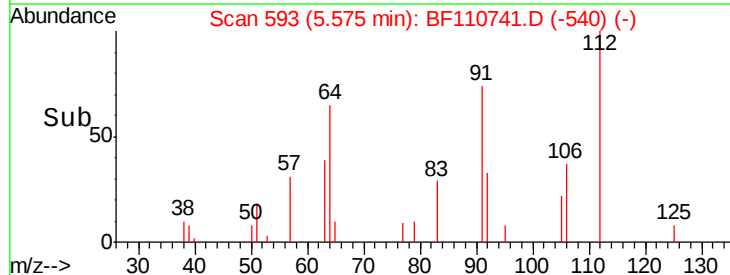
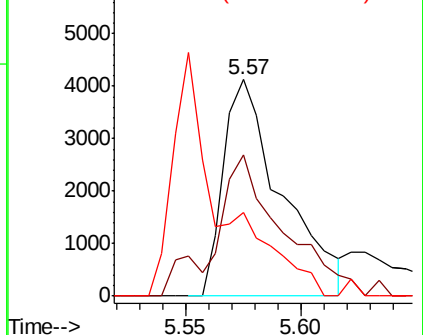


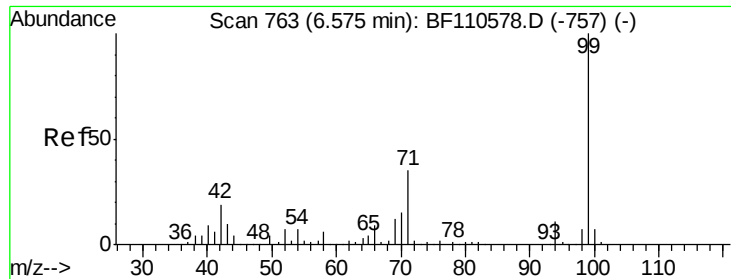
#5
 2-Fluorophenol
 Concen: 1.540 ng
 RT: 5.57 min Scan# 593
 Delta R.T. 0.01 min
 Lab File: BF110741.D
 Acq: 14 Nov 2018 1:23

Tgt Ion:112 Resp: 7260
 Ion Ratio Lower Upper
 112 100
 64 65.4 44.1 66.1
 63 38.9 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: 1.274 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.01 min

Lab File: BF110741.D

Acq: 14 Nov 2018 1:23

Instrument :

BNA_F

ClientSampleId :

SP-UST-MIDDLE

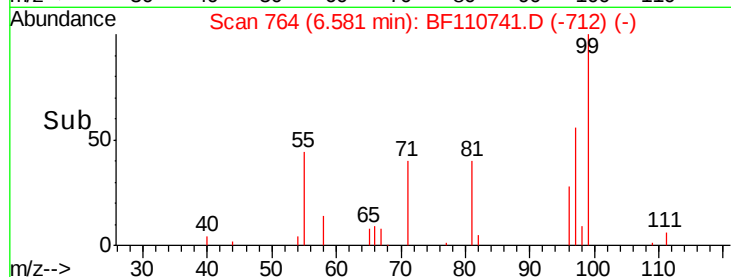
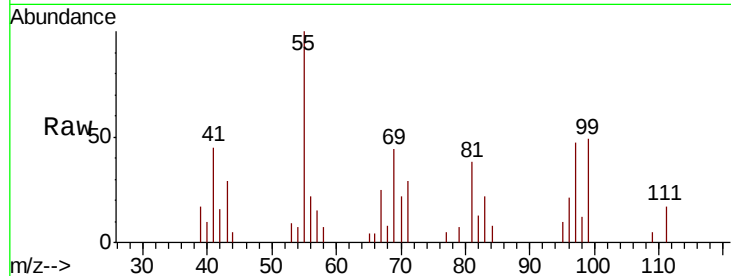
Tgt Ion: 99 Resp: 7680

Ion Ratio Lower Upper

99 100

42 32.7 15.8 23.6#

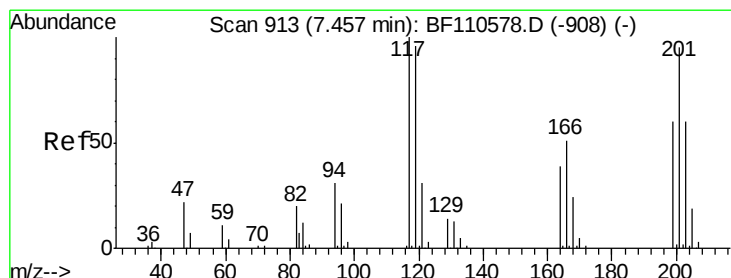
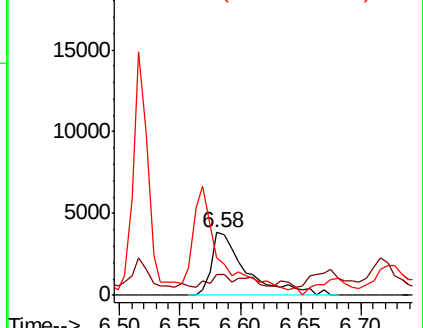
71 58.5 28.0 42.0#



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



#18

Hexachloroethane

Concen: 22.737 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.01 min

Lab File: BF110741.D

Acq: 14 Nov 2018 1:23

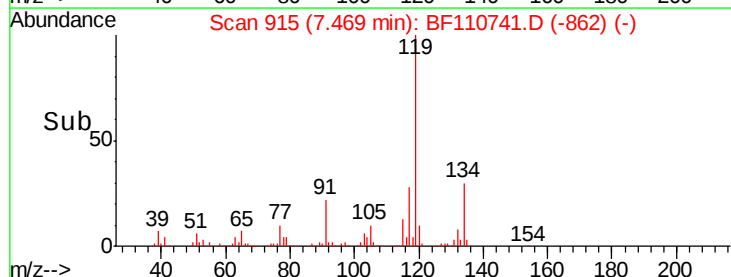
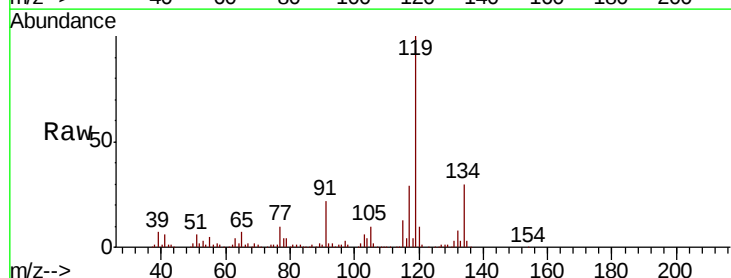
Tgt Ion: 117 Resp: 51543

Ion Ratio Lower Upper

117 100

119 350.7 75.0 112.6#

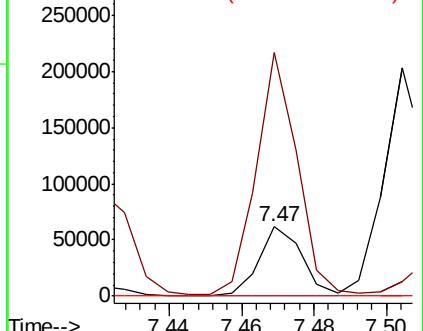
201 0.0 79.2 118.8#

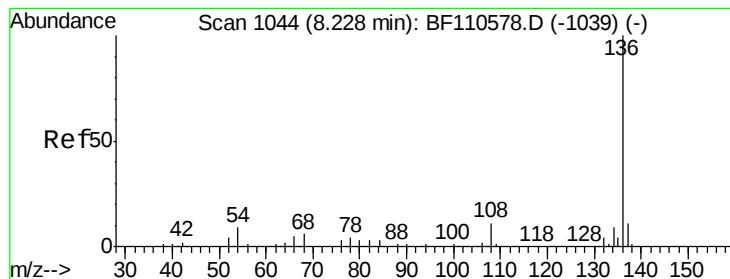


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.23 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BF110741.D

Acq: 14 Nov 2018 1:23

Instrument :

BNA_F

ClientSampleId :

SP-UST-MIDDLE

Tgt Ion:136 Resp: 291966

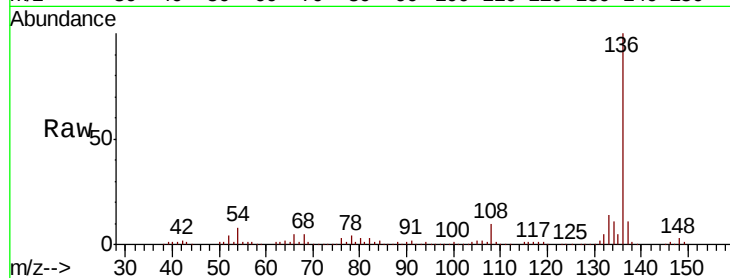
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 7.6 5.4 8.2

68 5.1 4.2 6.2

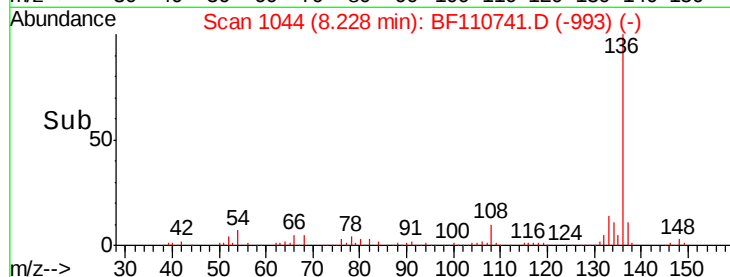


Abundance Ion 136.00 (135.70 to 136.70): E

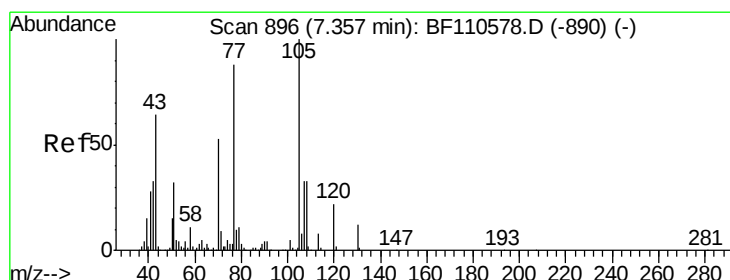
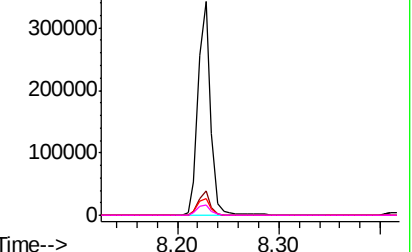
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#22

Acetophenone

Concen: 5.663 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.03 min

Lab File: BF110741.D

Acq: 14 Nov 2018 1:23

Tgt Ion:105 Resp: 38535

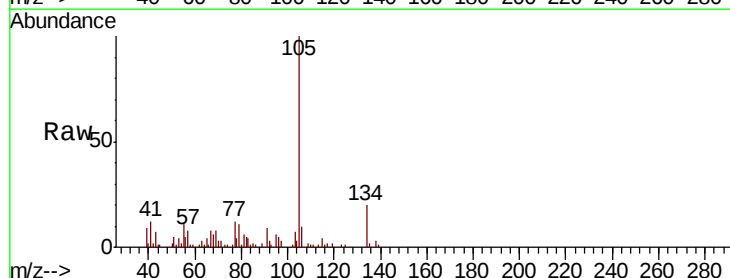
Ion Ratio Lower Upper

105 100

71 2.8 5.2 7.8#

51 4.7 21.8 32.8#

120 0.0 17.0 25.4#

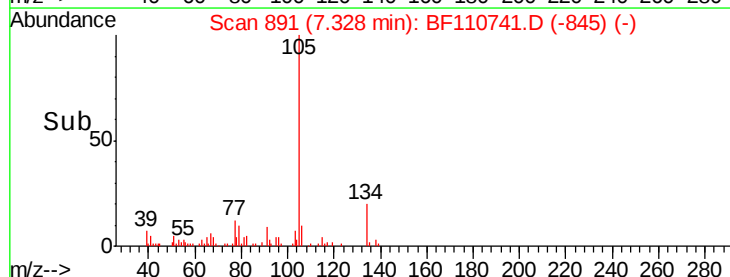


Abundance Ion 105.00 (104.70 to 105.70): E

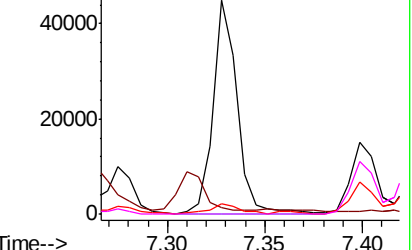
Ion 71.00 (70.70 to 71.70): BF1

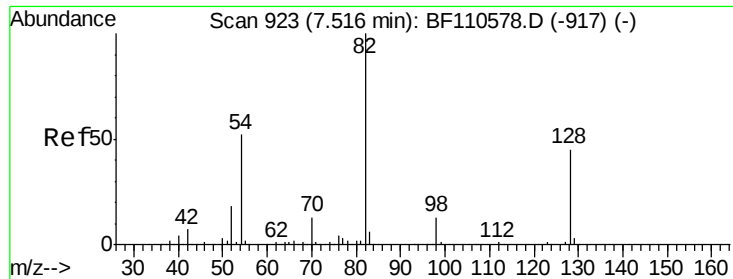
Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



Time-->

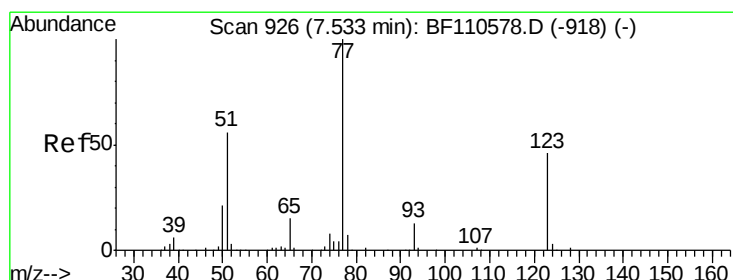
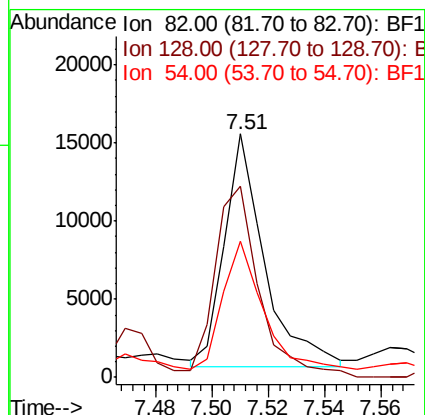
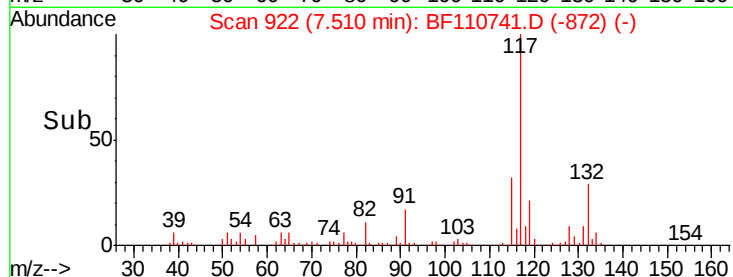
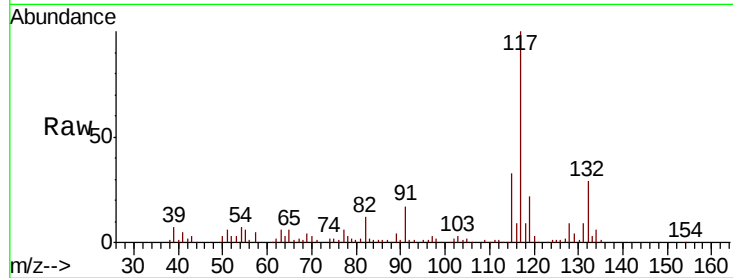




#23
 Nitrobenzene-d5
 Concen: 2.918 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF110741.D
 Acq: 14 Nov 2018 1:23

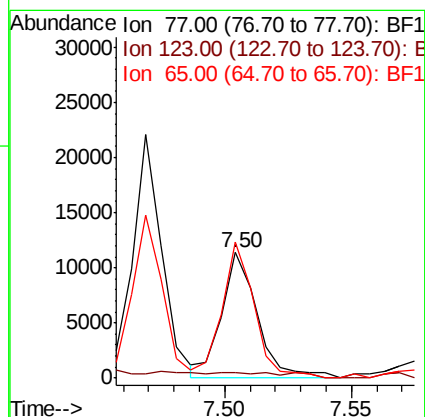
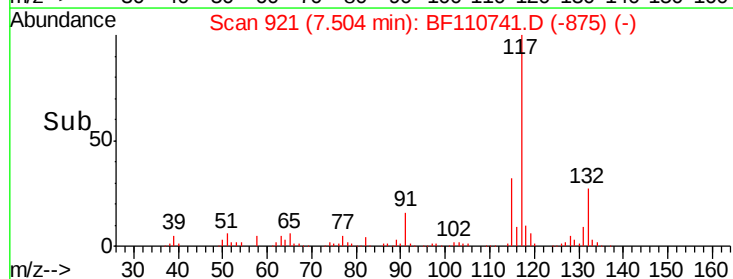
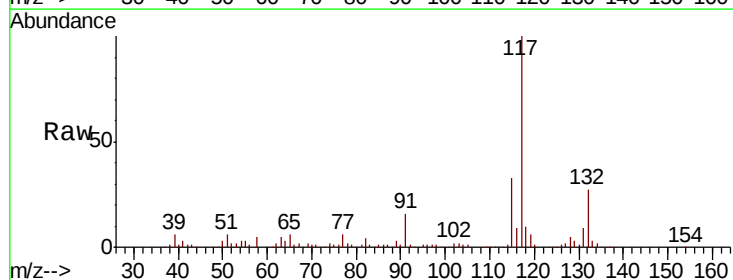
Instrument :
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 ClientSampleId :
 SP-UST-MIDDLE

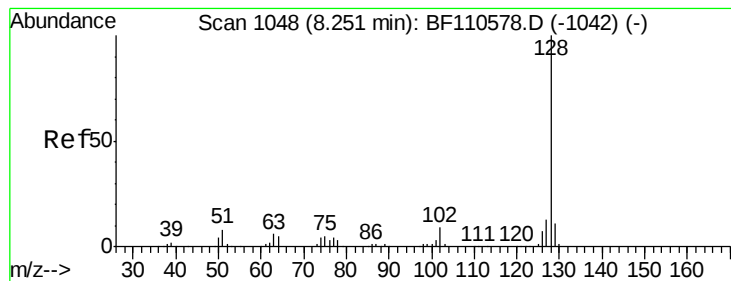
Tgt Ion	Ratio	Lower	Upper
82	100		
128	78.7	34.2	51.2#
54	55.8	38.6	58.0



#24
 Nitrobenzene
 Concen: 2.160 ng
 RT: 7.50 min Scan# 921
 Delta R.T. -0.03 min
 Lab File: BF110741.D
 Acq: 14 Nov 2018 1:23

Tgt Ion	Ratio	Lower	Upper
77	100		
123	4.3	35.7	53.5#
65	108.4	10.7	16.1#





#31

Naphthalene

Concen: 9.506 ng

RT: 8.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF110741.D

Acq: 14 Nov 2018 1:23

Instrument :

BNA_F

ClientSampleId :

SP-UST-MIDDLE

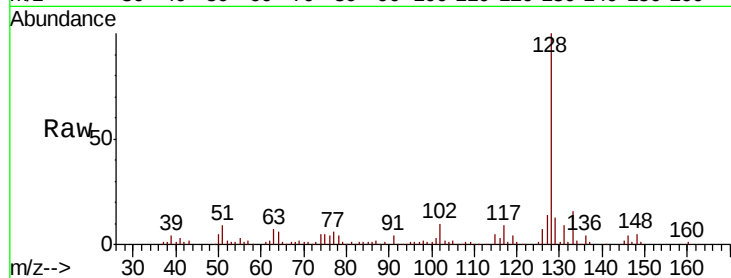
Tgt Ion:128 Resp: 130289

Ion Ratio Lower Upper

128 100

129 12.9 8.8 13.2

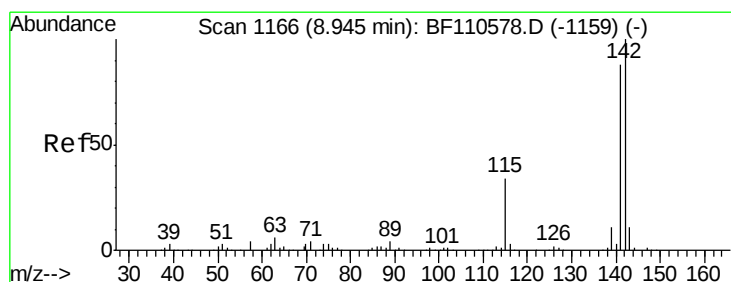
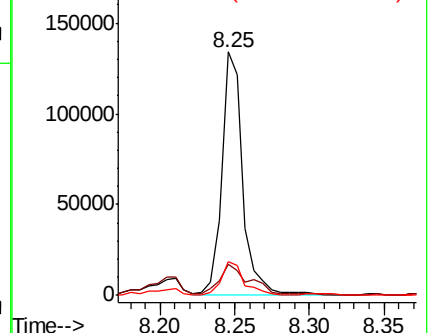
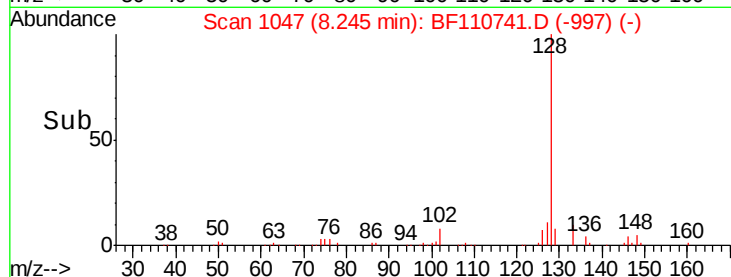
127 13.6 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 3.531 ng

RT: 8.94 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF110741.D

Acq: 14 Nov 2018 1:23

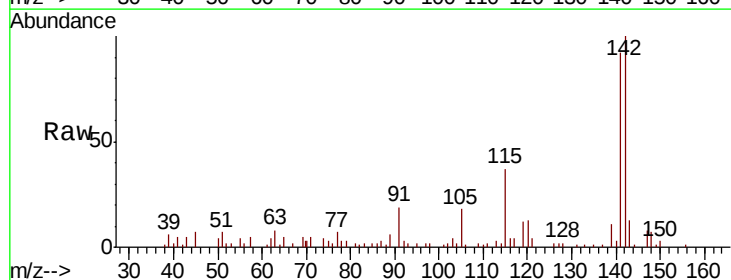
Tgt Ion:142 Resp: 31728

Ion Ratio Lower Upper

142 100

141 92.1 71.4 107.2

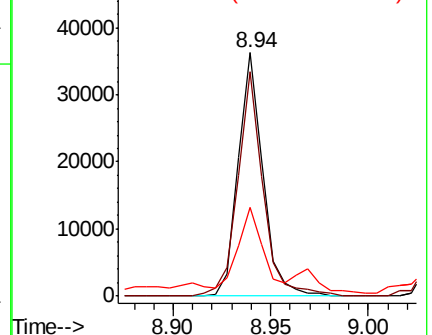
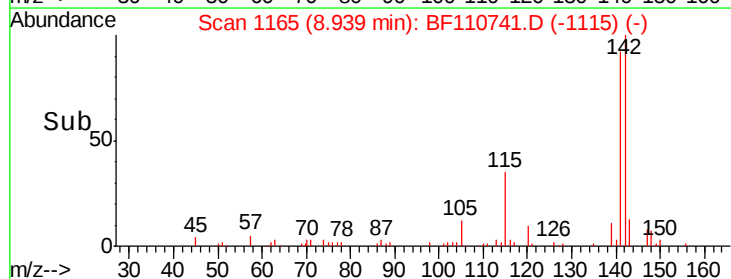
115 36.5 28.7 43.1

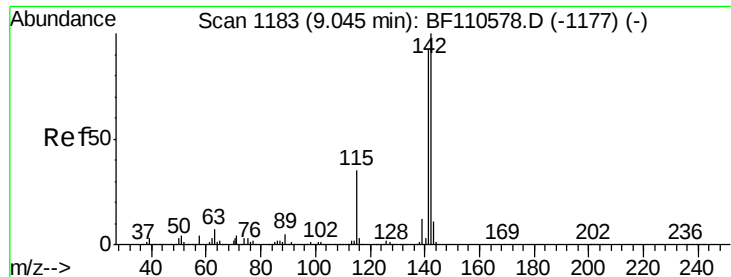


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

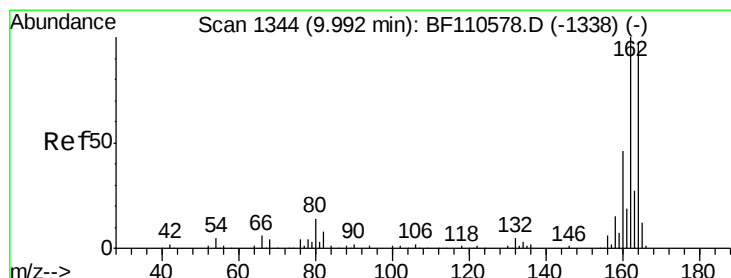
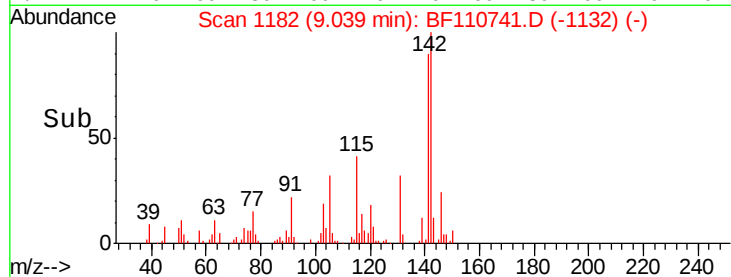
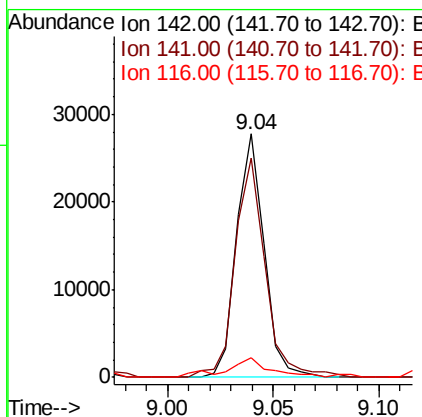
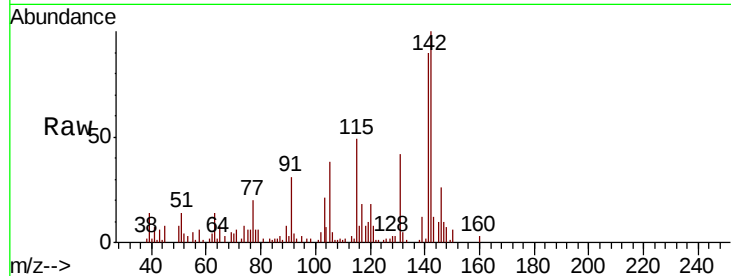




#38
 1-Methylnaphthalene
 Concen: 2.898 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF110741.D
 Acq: 14 Nov 2018 1:23

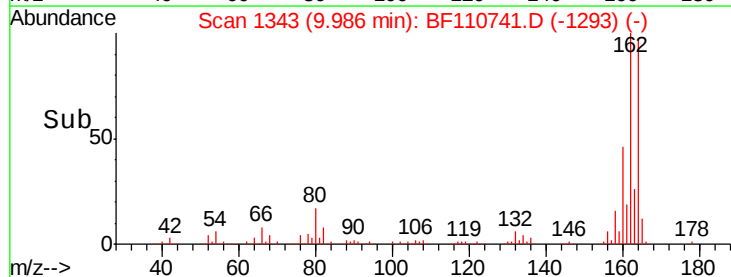
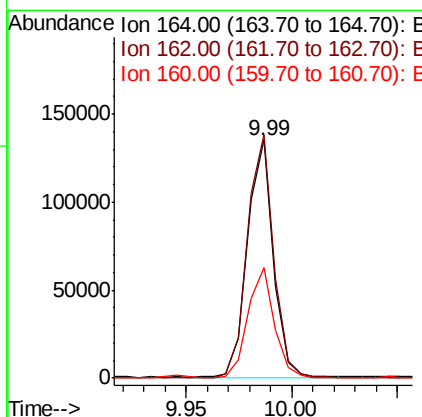
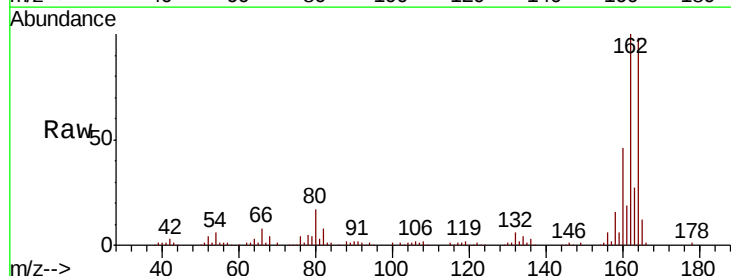
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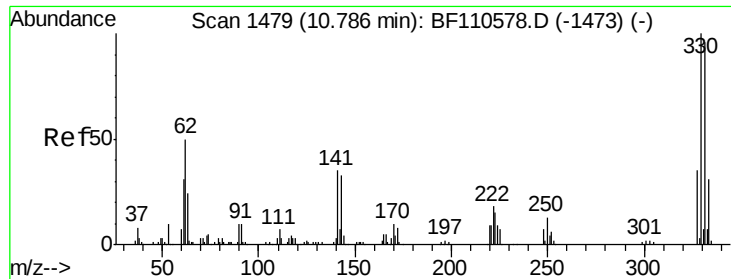
Tgt Ion:142 Resp: 25044
 Ion Ratio Lower Upper
 142 100
 141 89.9 74.2 111.4
 116 8.3 2.6 4.0#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: BF110741.D
 Acq: 14 Nov 2018 1:23

Tgt Ion:164 Resp: 113983
 Ion Ratio Lower Upper
 164 100
 162 102.3 83.0 124.6
 160 46.6 37.0 55.6

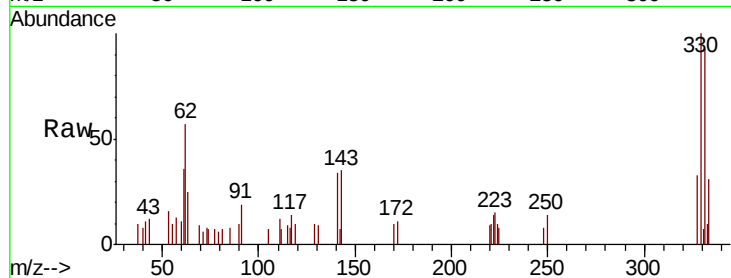




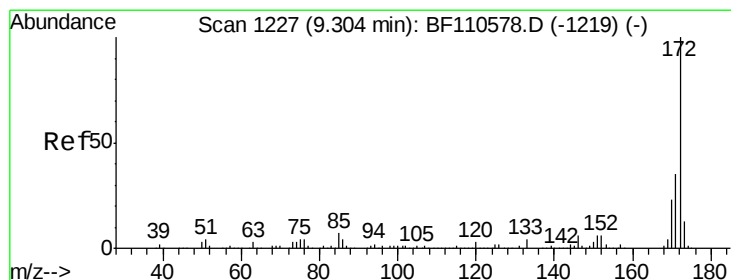
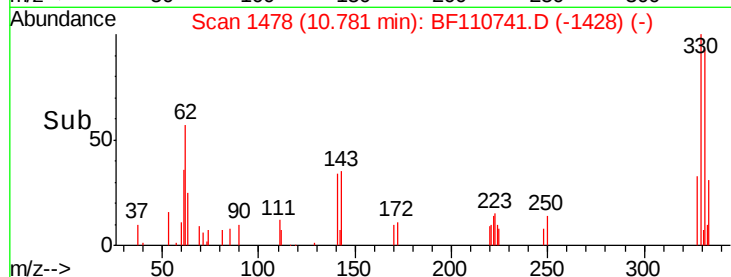
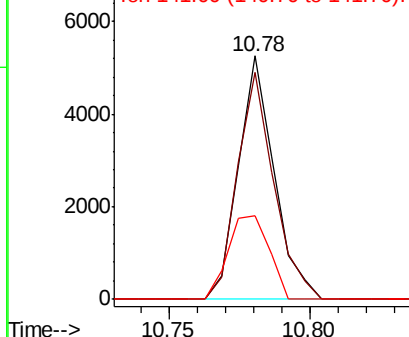
#42
 2,4,6-Tribromophenol
 Concen: 4.017 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: BF110741.D
 Acq: 14 Nov 2018 1:23

Instrument :
 BNA_F
 ClientSampleId :
 SP-UST-MIDDLE

Tgt Ion:330 Resp: 4614
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.1 115.7
 141 39.5 27.0 40.4

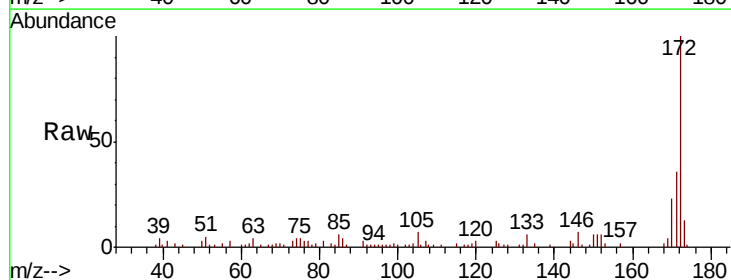


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

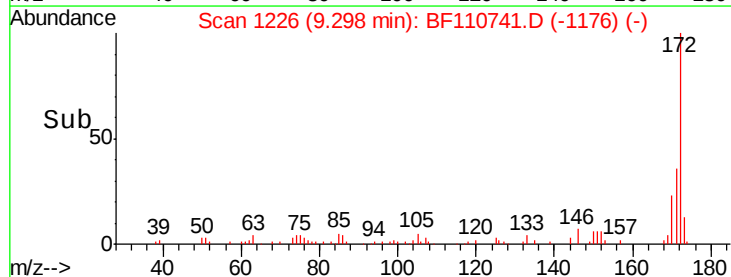
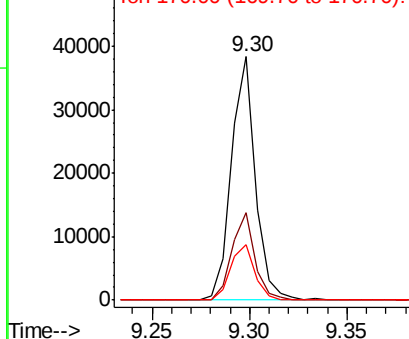


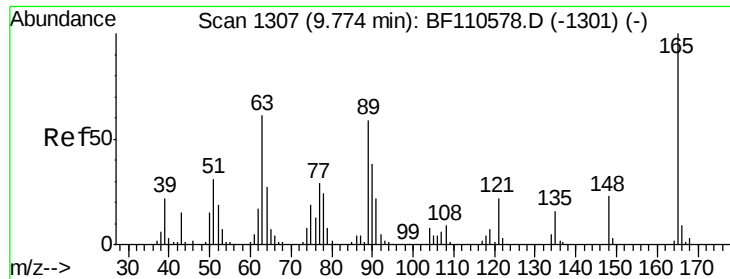
#45
 2-Fluorobiphenyl
 Concen: 4.102 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110741.D
 Acq: 14 Nov 2018 1:23

Tgt Ion:172 Resp: 32741
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 22.8 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

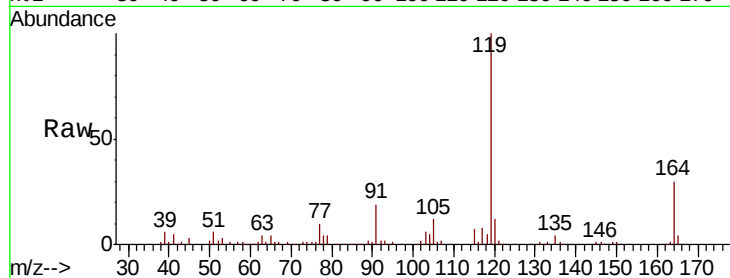




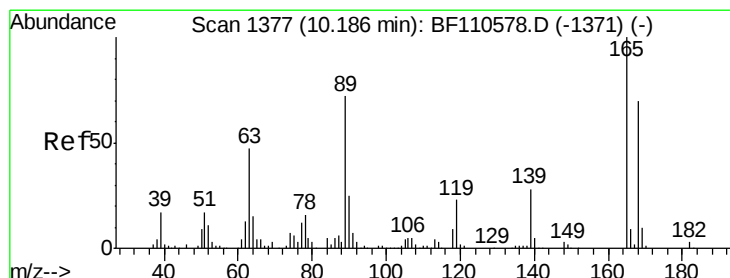
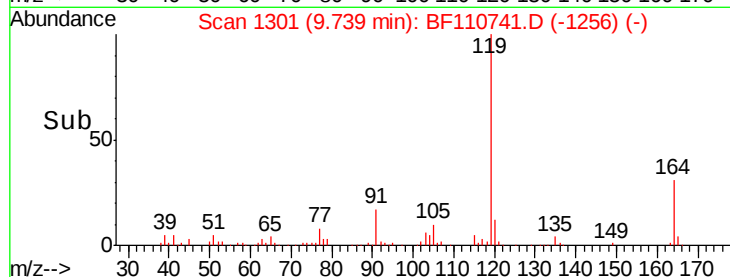
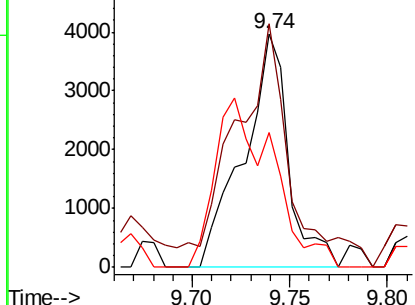
#51
 2,6-Dinitrotoluene
 Concen: 3.371 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.04 min
 Lab File: BF110741.D
 Acq: 14 Nov 2018 1:23

Instrument :
 BNA_F
 ClientSampleId :
 SP-UST-MIDDLE

Tgt Ion:165 Resp: 6307
 Ion Ratio Lower Upper
 165 100
 63 104.0 48.9 73.3#
 89 57.6 46.6 69.8

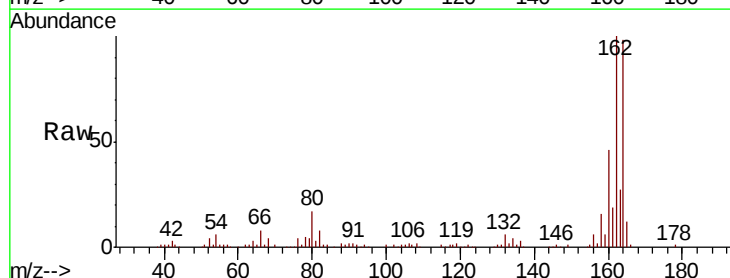


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

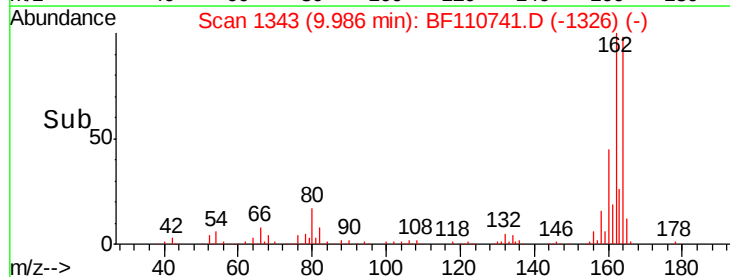
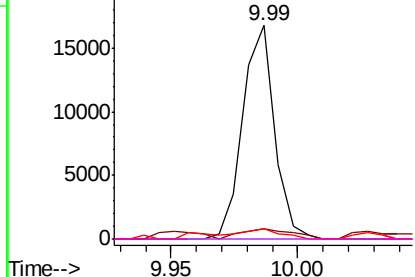


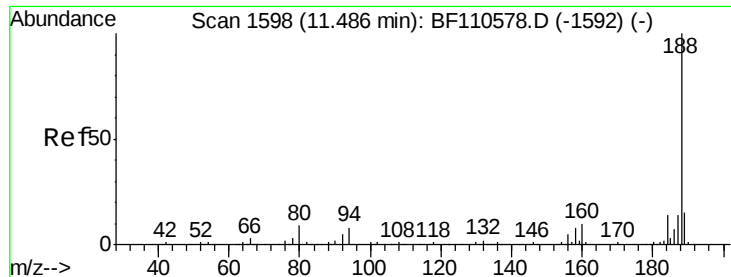
#57
 2,4-Dinitrotoluene
 Concen: 6.020 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.20 min
 Lab File: BF110741.D
 Acq: 14 Nov 2018 1:23

Tgt Ion:165 Resp: 14644
 Ion Ratio Lower Upper
 165 100
 63 4.6 44.8 67.2#
 89 4.5 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: BF110741.D

Acq: 14 Nov 2018 1:23

Instrument :

BNA_F

ClientSampleId :

SP-UST-MIDDLE

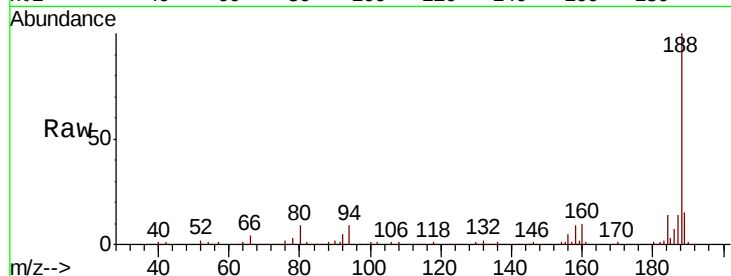
Tgt Ion:188 Resp: 186420

Ion Ratio Lower Upper

188 100

94 8.5 7.2 10.8

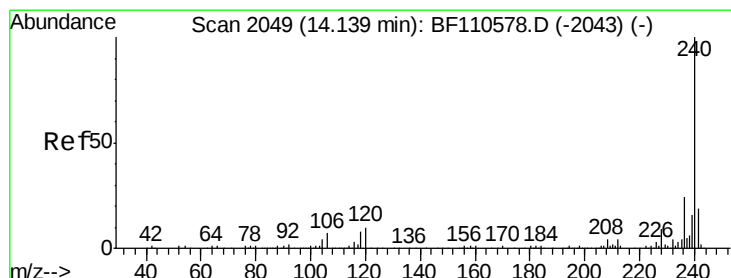
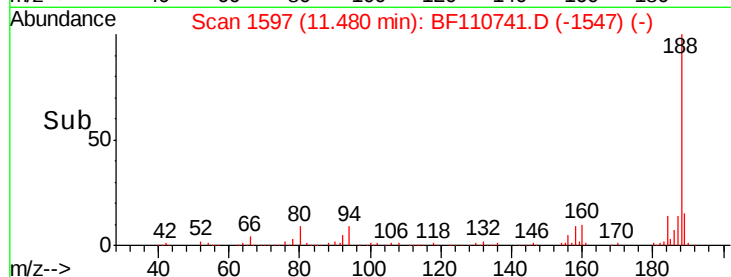
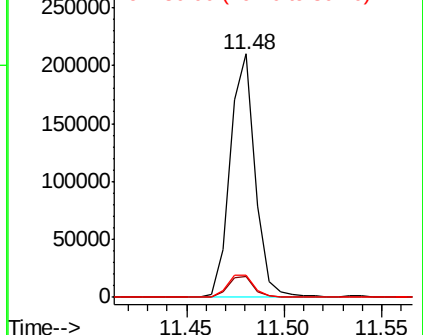
80 9.1 7.9 11.9



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BF110741.D

Acq: 14 Nov 2018 1:23

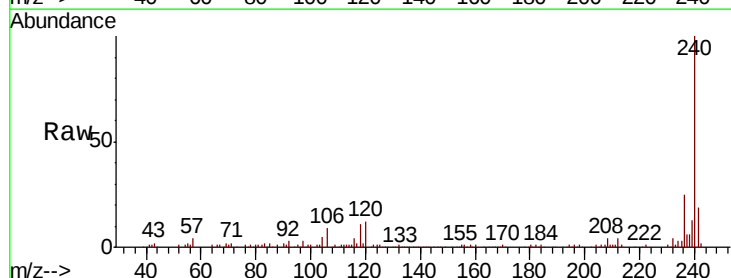
Tgt Ion:240 Resp: 157536

Ion Ratio Lower Upper

240 100

120 12.0 8.3 12.5

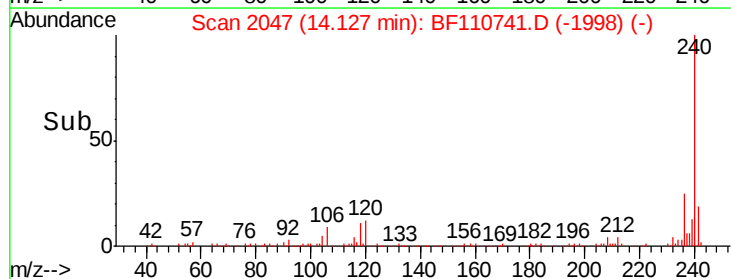
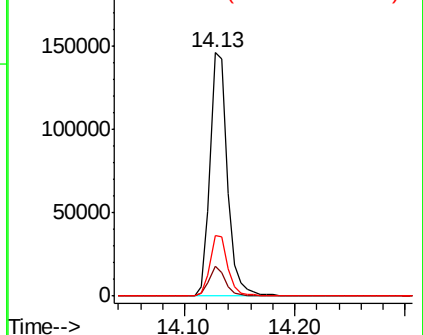
236 25.1 21.2 31.8

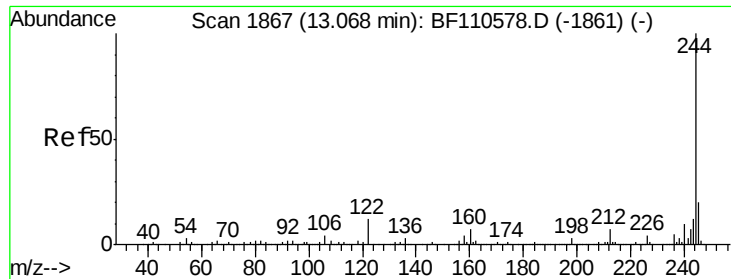


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 3.335 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110741.D

Acq: 14 Nov 2018 1:23

Instrument :

BNA_F

ClientSampleId :

SP-UST-MIDDLE

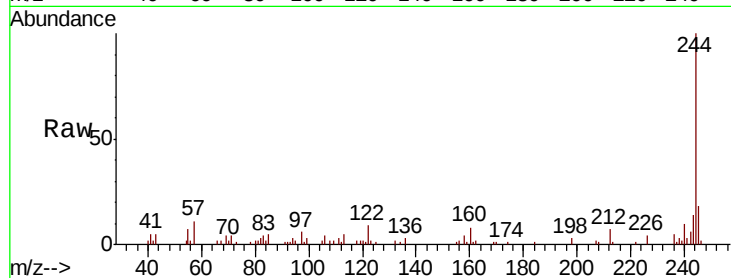
Tgt Ion:244 Resp: 28056

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

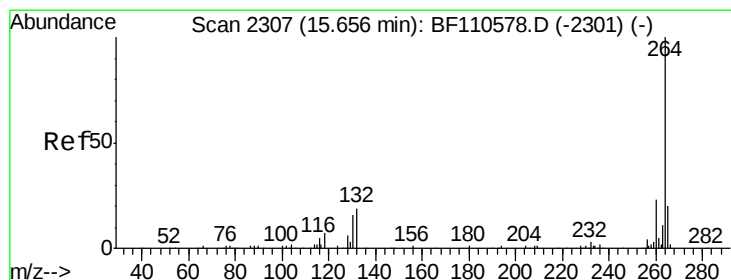
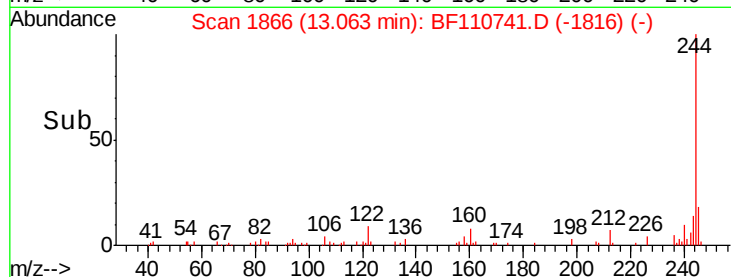
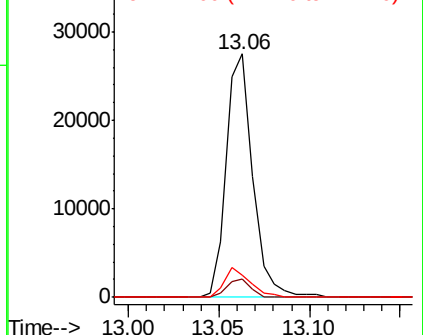
122 8.9 8.7 13.1



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: 15.66 min Scan# 2308

Delta R.T. 0.01 min

Lab File: BF110741.D

Acq: 14 Nov 2018 1:23

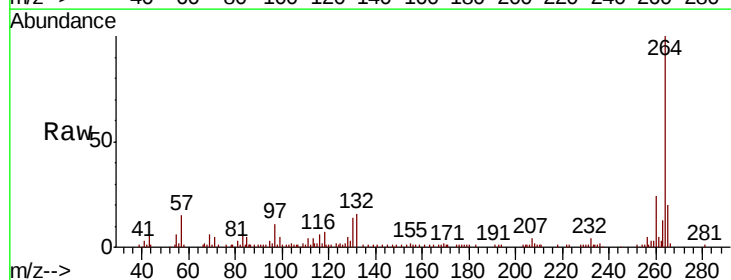
Tgt Ion:264 Resp: 100924

Ion Ratio Lower Upper

264 100

260 24.3 18.7 28.1

265 20.4 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

