

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
 Data File : BF110425.D
 Acq On : 2 Nov 2018 21:24
 Operator : JU/SJ
 Sample : J5767-07 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 03 00:52:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

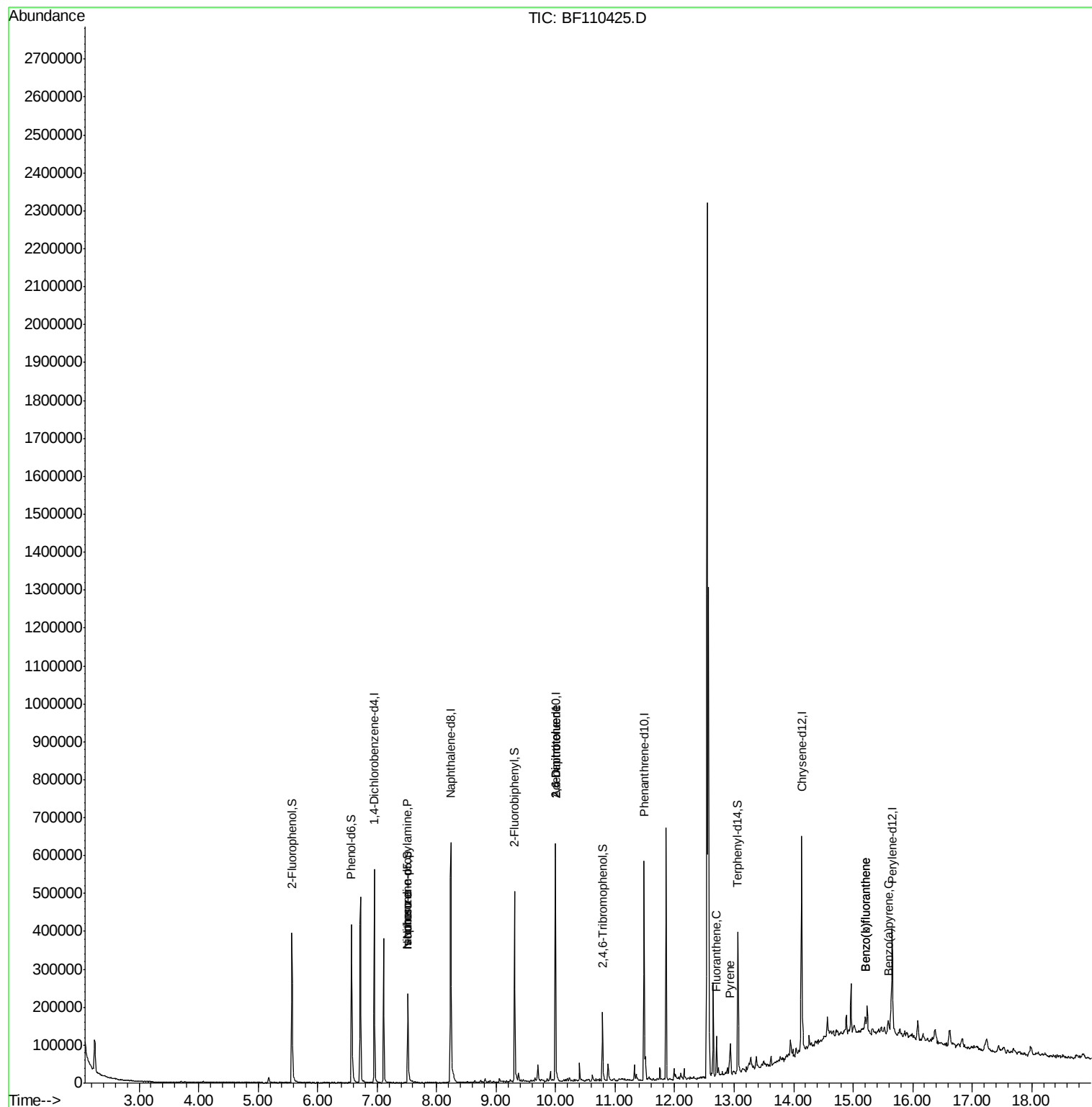
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	88485	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	352388	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	136146	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	216377	20.00	ng	0.00
76) Chrysene-d12	14.13	240	176104	20.00	ng	0.00
87) Perylene-d12	15.66	264	128222	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	118853	21.87	ng	0.00
7) Phenol-d6	6.57	99	153317	22.06	ng	-0.01
23) Nitrobenzene-d5	7.52	82	87629	14.75	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	23060	17.10	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	171532	19.78	ng	0.00
79) Terphenyl-d14	13.07	244	129642	15.31	ng	0.00
Target Compounds						
9) Benzaldehyde	6.72	77	2939	Below Cal		84
19) n-Nitroso-di-n-propylamine	7.52	70	11537	2.587 ng	#	77
25) Isophorone	7.52	82	87628	8.653 ng	#	67
51) 2,6-Dinitrotoluene	9.99	165	18013	8.321 ng	#	22
57) 2,4-Dinitrotoluene	9.99	165	18013	6.551 ng	#	19
75) Fluoranthene	12.70	202	31889	2.775 ng		99
77) Benzidine	13.06	184	1860	Below Cal	#	84
78) Pyrene	12.93	202	32904	2.606 ng		98
88) Benzo(b)fluoranthene	15.20	252	25448	3.437 ng	#	77
89) Benzo(k)fluoranthene	15.20	252	25448	3.496 ng	#	76
90) Benzo(a)pyrene	15.59	252	13656	2.004 ng	#	83

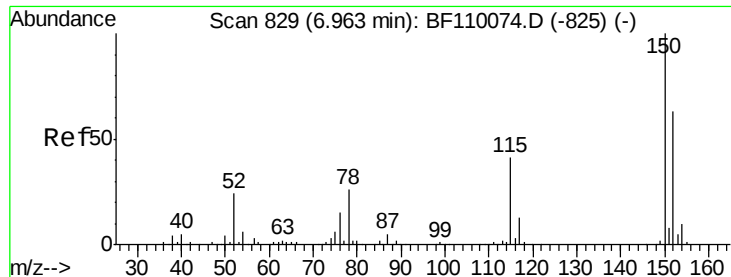
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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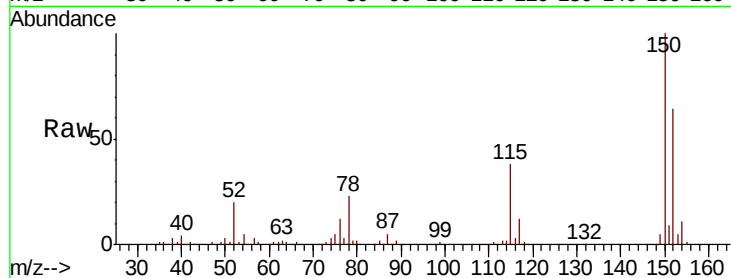


#1

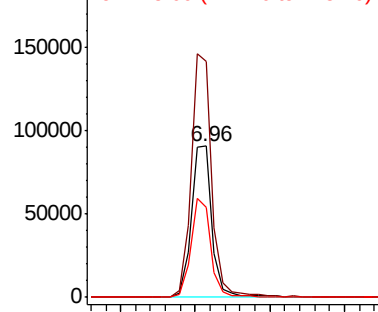
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.00 min
Lab File: BF110425.D
Acq: 2 Nov 2018 21:24

Instrument :
BNA_F
ClientSampleId :

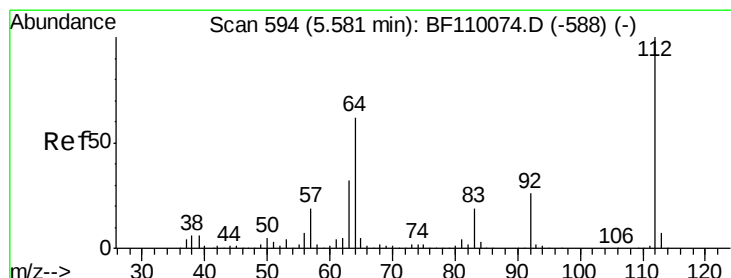
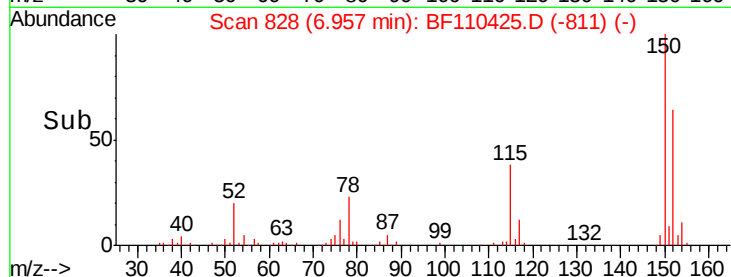
Tot Ion:152 Resp: 88485
Ion Ratio Lower Upper
152 100
150 155.7 122.7 184.1
115 59.3 49.1 73.7



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



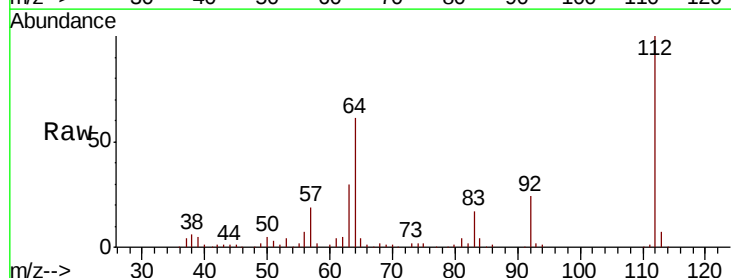
Time-->



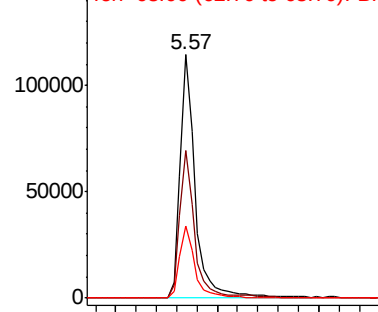
#5

2-Fluorophenol
Concen: 21.873 ng
RT: 5.57 min Scan# 592
Delta R.T. -0.01 min
Lab File: BF110425.D
Acq: 2 Nov 2018 21:24

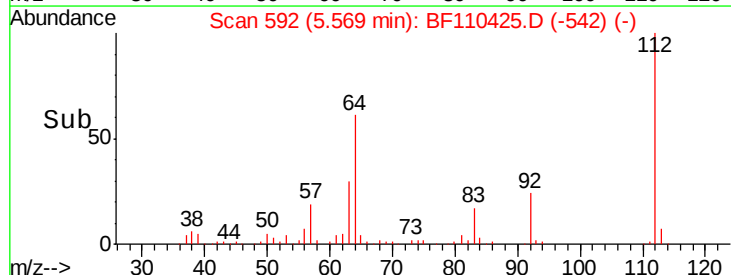
Tgt Ion:112 Resp: 118853
Ion Ratio Lower Upper
112 100
64 60.6 44.1 66.1
63 29.5 23.7 35.5

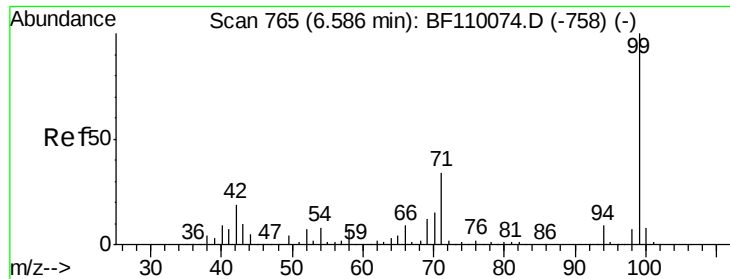


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



Time-->





#7

Phenol-d6

Concen: 22.060 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110425.D

Acq: 2 Nov 2018 21:24

Instrument :

BNA_F

ClientSampleId :

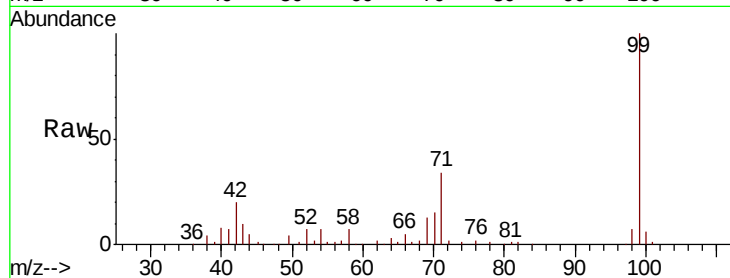
Tot Ion: 99 Resp: 153317

Ion Ratio Lower Upper

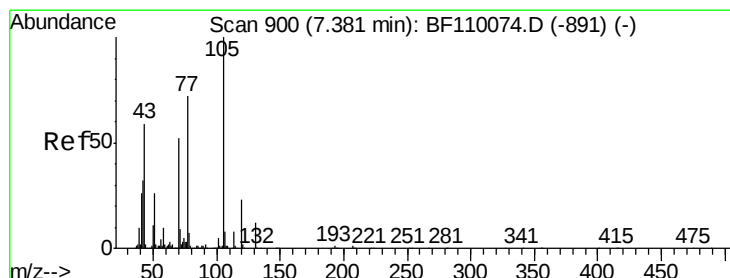
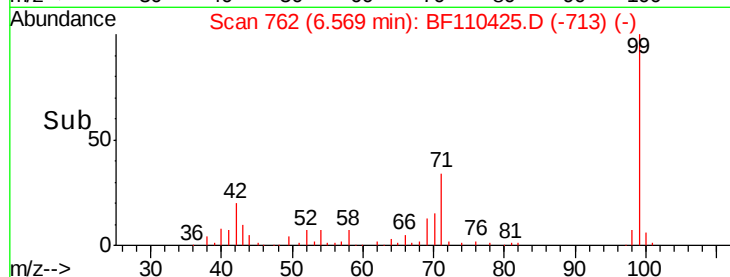
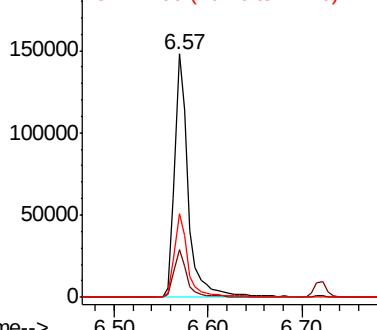
99 100

42 19.8 15.8 23.6

71 34.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 2.587 ng

RT: 7.52 min Scan# 923

Delta R.T. 0.15 min

Lab File: BF110425.D

Acq: 2 Nov 2018 21:24

Tgt Ion: 70 Resp: 11537

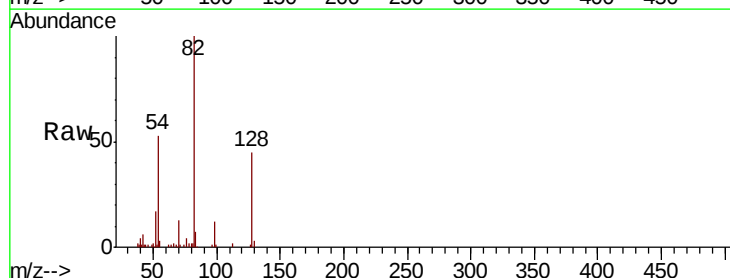
Ion Ratio Lower Upper

70 100

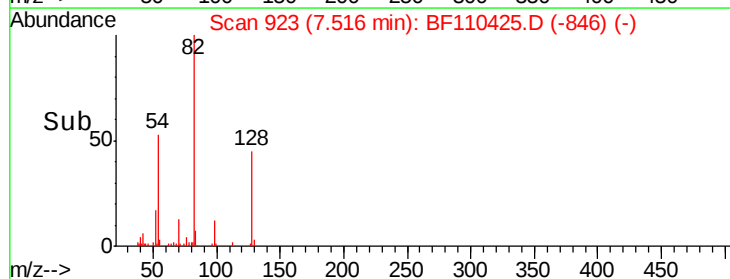
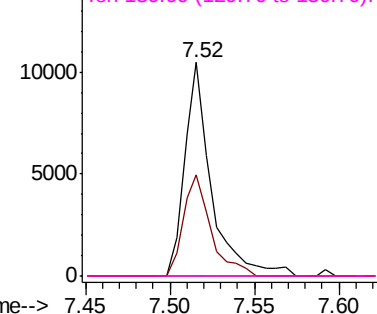
42 47.6 47.4 71.2

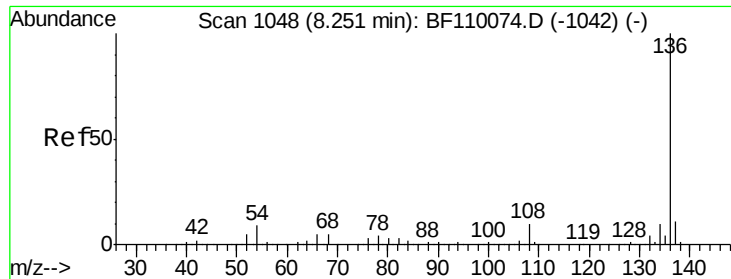
101 0.0 7.3 10.9#

130 0.0 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): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BF110425.D

Acq: 2 Nov 2018 21:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 352388

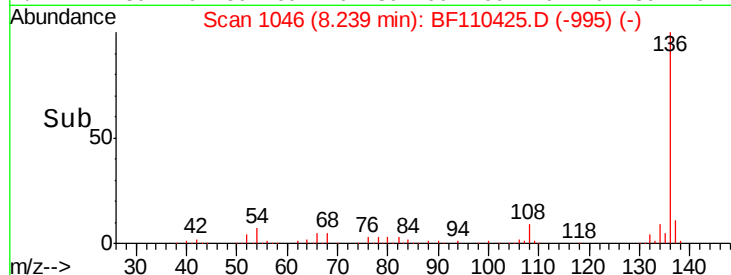
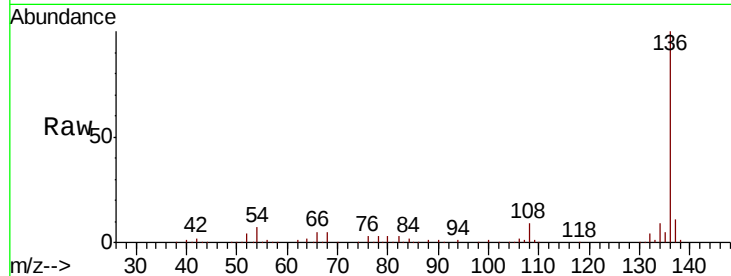
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 7.2 5.4 8.2

68 4.7 4.2 6.2

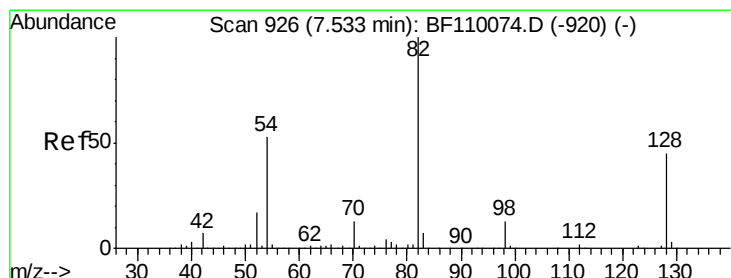
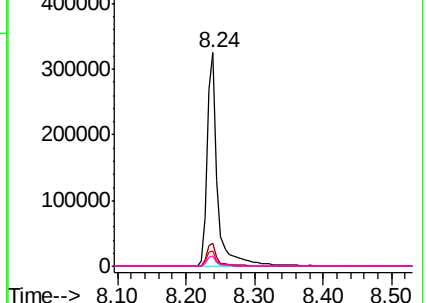


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.750 ng

RT: 7.52 min Scan# 923

Delta R.T. -0.01 min

Lab File: BF110425.D

Acq: 2 Nov 2018 21:24

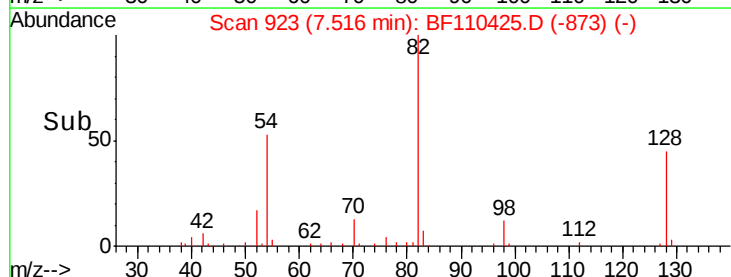
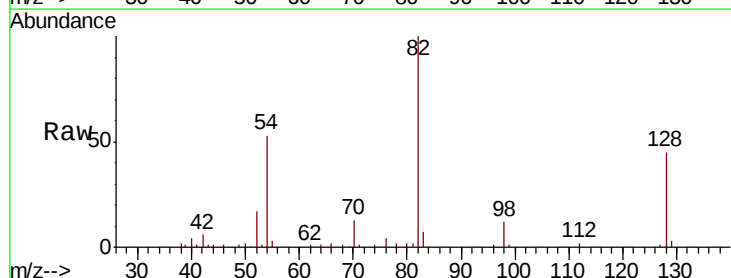
Tgt Ion: 82 Resp: 87629

Ion Ratio Lower Upper

82 100

128 45.5 34.2 51.2

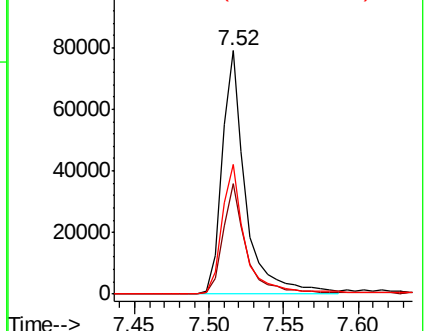
54 53.3 38.6 58.0

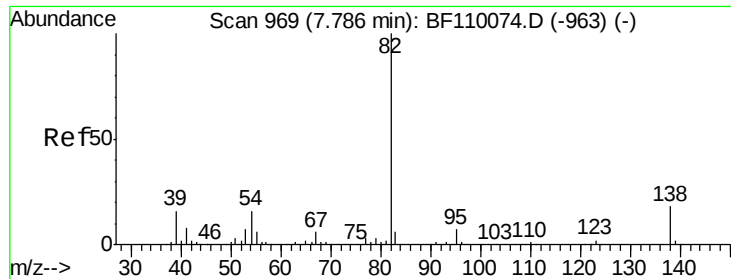


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

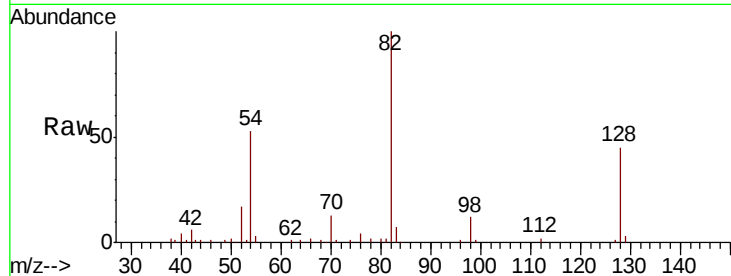




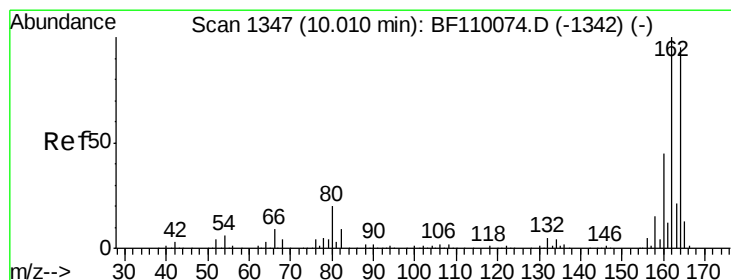
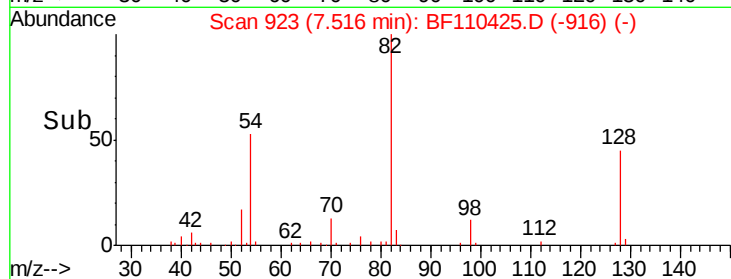
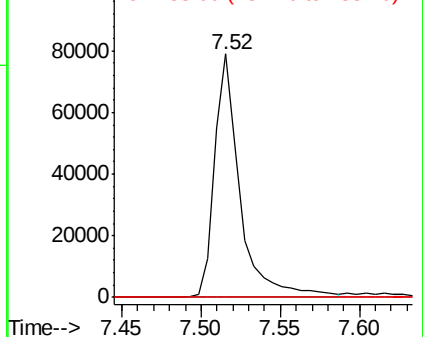
#25
Isophorone
Concen: 8.653 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.26 min
Lab File: BF110425.D
Acq: 2 Nov 2018 21:24

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 87628
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#

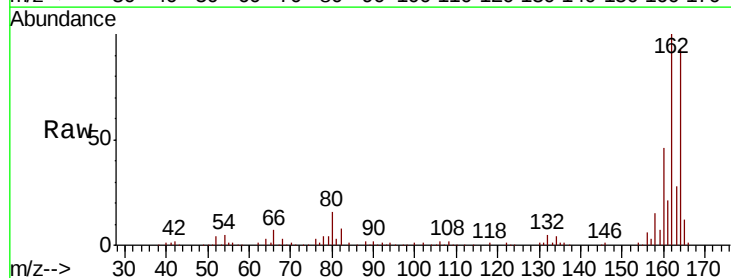


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

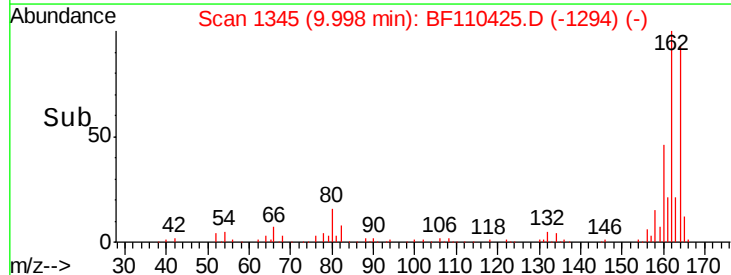
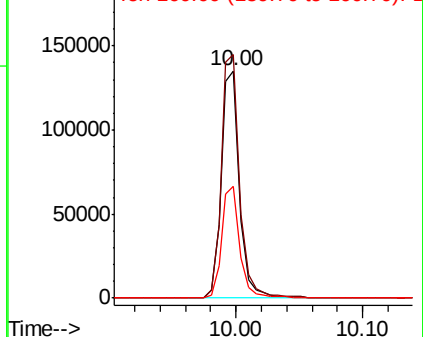


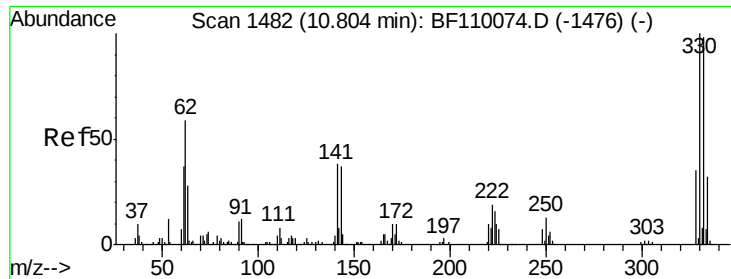
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BF110425.D
Acq: 2 Nov 2018 21:24

Tgt Ion:164 Resp: 136146
Ion Ratio Lower Upper
164 100
162 107.0 83.0 124.6
160 49.2 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

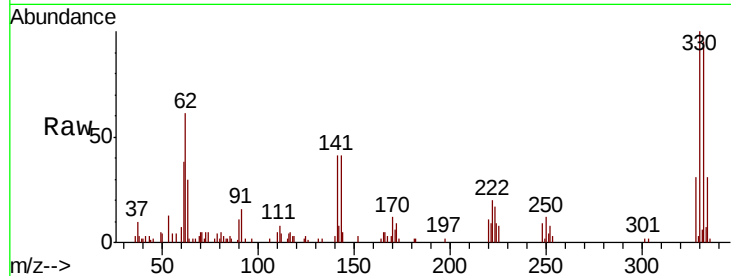




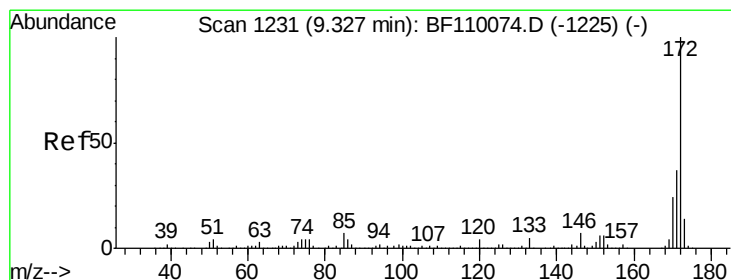
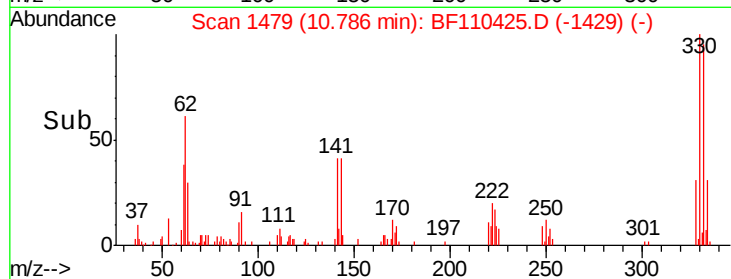
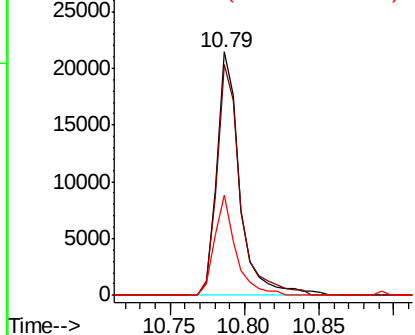
#42
 2,4,6-Tribromophenol
 Concen: 17.099 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: BF110425.D
 Acq: 2 Nov 2018 21:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 23060
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.1 115.7
 141 38.0 27.0 40.4

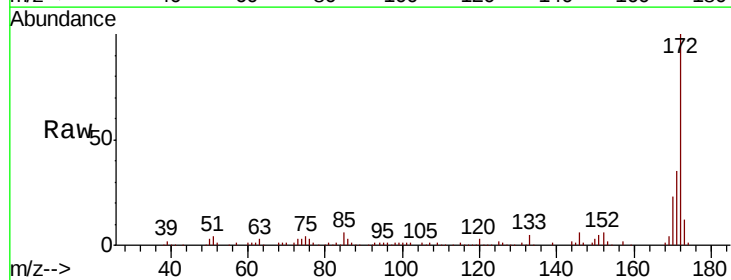


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

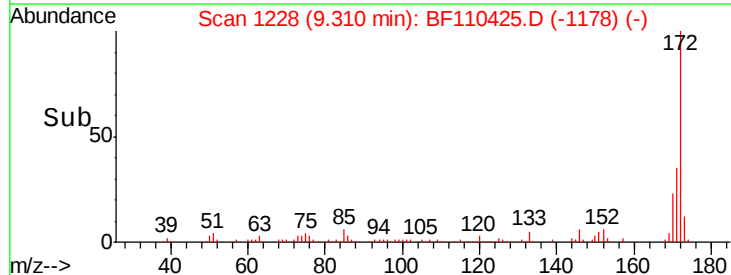
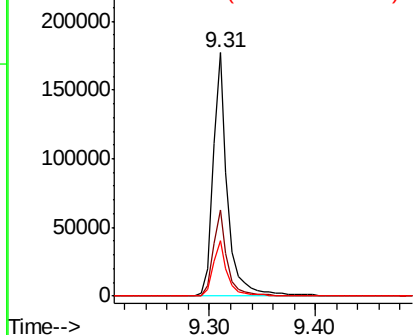


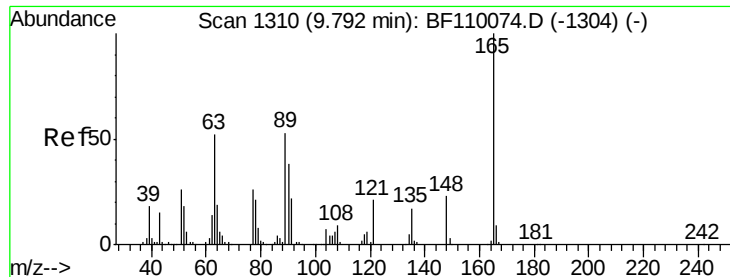
#45
 2-Fluorobiphenyl
 Concen: 19.784 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF110425.D
 Acq: 2 Nov 2018 21:24

Tgt Ion:172 Resp: 171532
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 43.0
 170 22.9 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

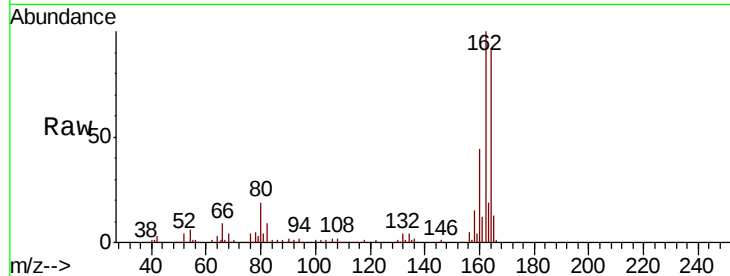




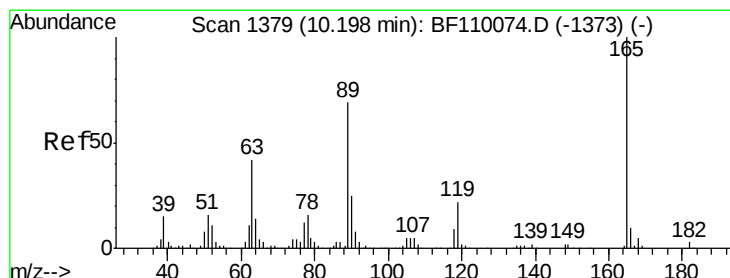
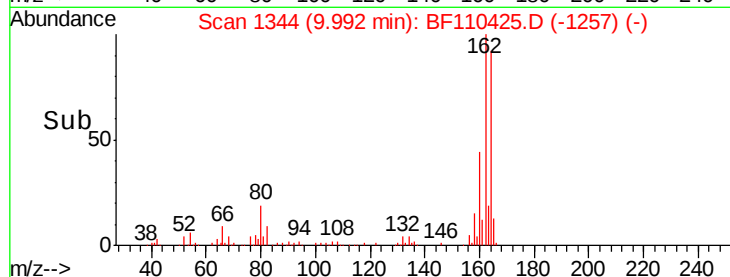
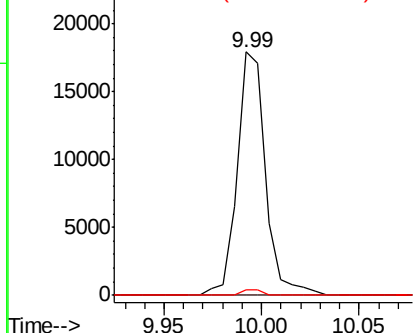
#51
 2,6-Dinitrotoluene
 Concen: 8.321 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. 0.21 min
 Lab File: BF110425.D
 Acq: 2 Nov 2018 21:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	2.1	46.6	69.8#



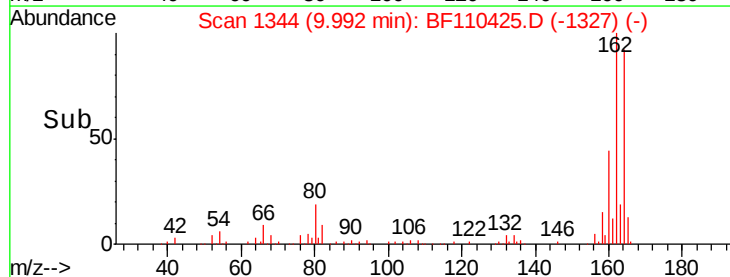
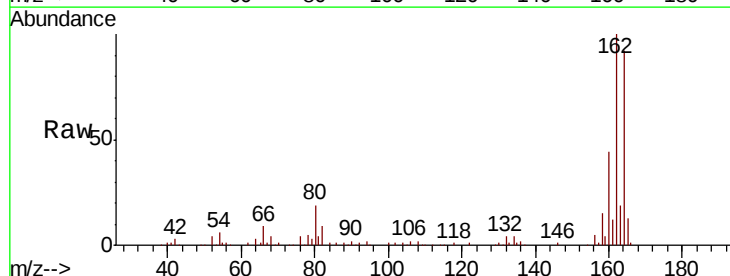
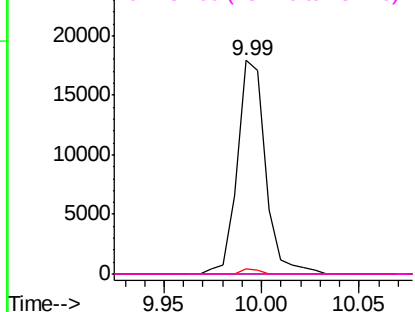
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

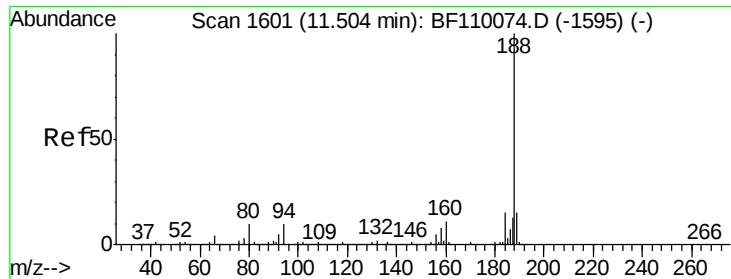


#57
 2,4-Dinitrotoluene
 Concen: 6.551 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. -0.20 min
 Lab File: BF110425.D
 Acq: 2 Nov 2018 21:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	2.1	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

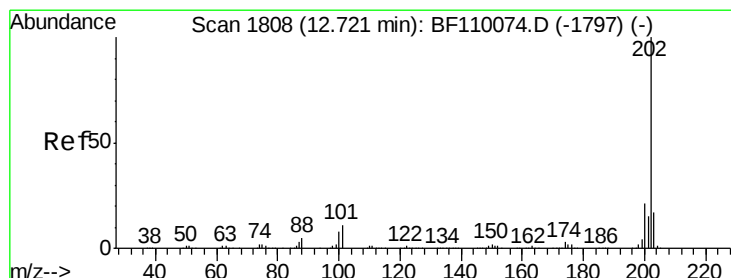
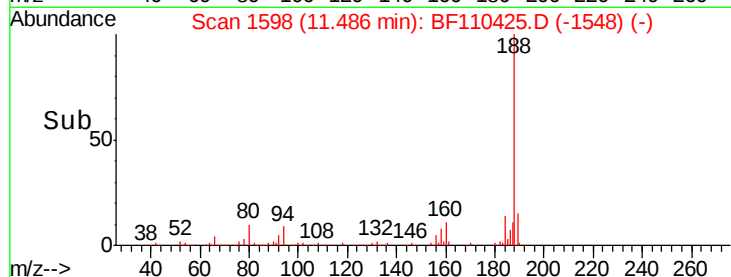
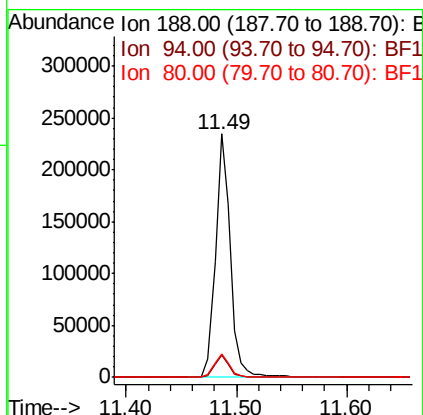
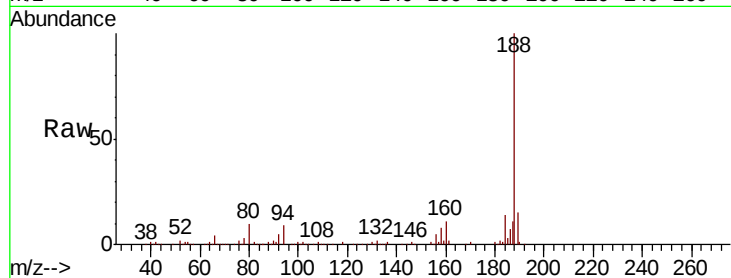




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF110425.D
Acq: 2 Nov 2018 21:24

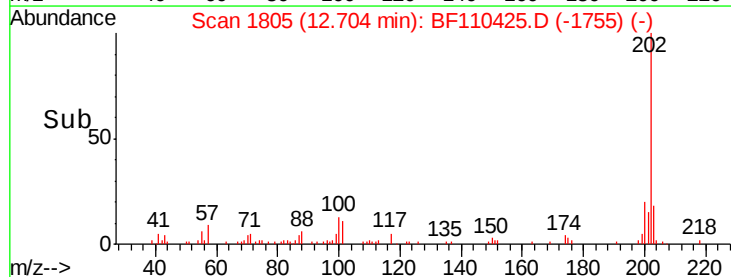
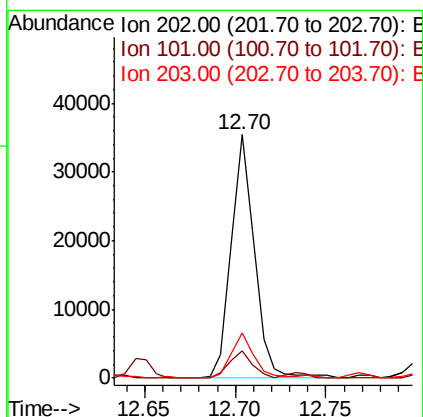
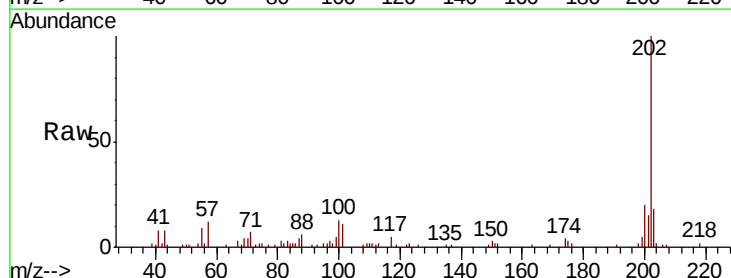
Instrument :
BNA_F
ClientSampleId :

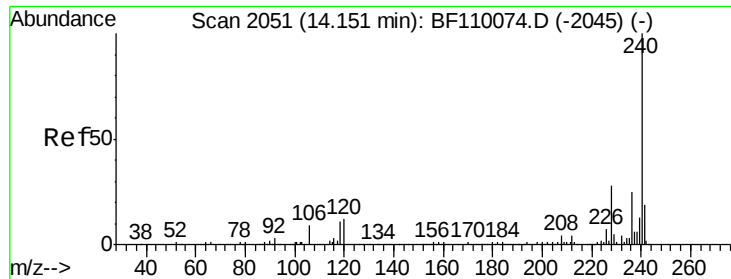
Tot Ion:188 Resp: 216377
Ion Ratio Lower Upper
188 100
94 9.1 7.2 10.8
80 9.6 7.9 11.9



#75
Fluoranthene
Concen: 2.775 ng
RT: 12.70 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BF110425.D
Acq: 2 Nov 2018 21:24

Tgt Ion:202 Resp: 31889
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.4
203 18.4 0.0 37.7

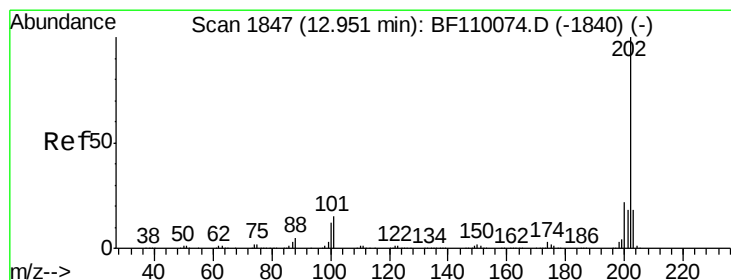
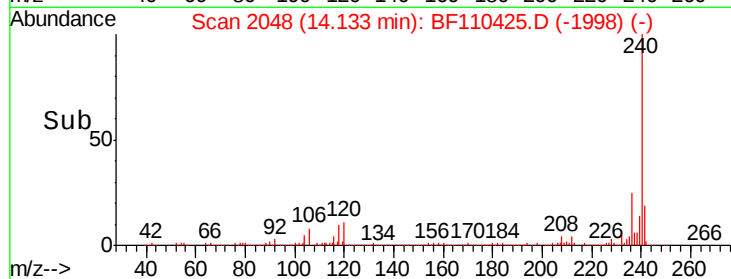
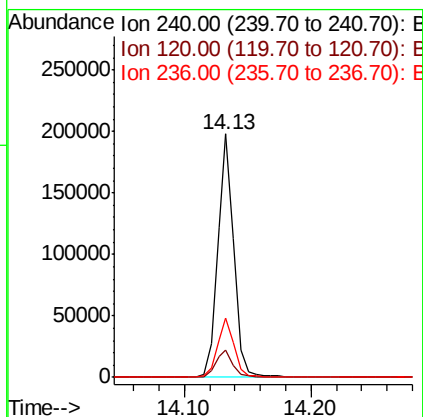
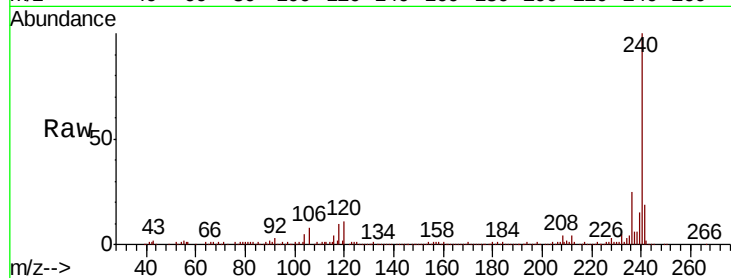




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF110425.D
Acq: 2 Nov 2018 21:24

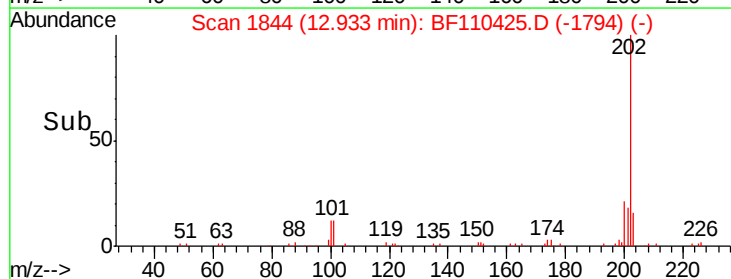
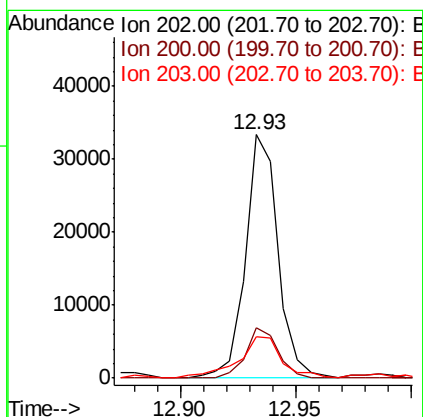
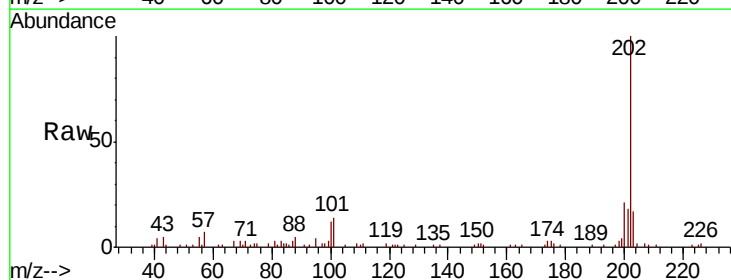
Instrument :
BNA_F
ClientSampleId :

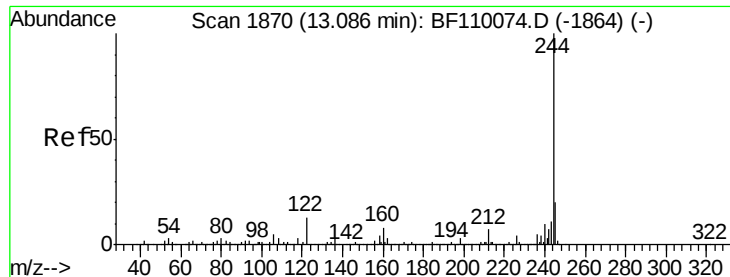
Tot Ion:240 Resp: 176104
Ion Ratio Lower Upper
240 100
120 11.1 8.3 12.5
236 24.6 21.2 31.8



#78
Pyrene
Concen: 2.606 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BF110425.D
Acq: 2 Nov 2018 21:24

Tgt Ion:202 Resp: 32904
Ion Ratio Lower Upper
202 100
200 20.8 17.8 26.6
203 17.2 14.2 21.4





#79

Terphenyl-d14

Concen: 15.310 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF110425.D

Acq: 2 Nov 2018 21:24

Instrument :

BNA_F

ClientSampleId :

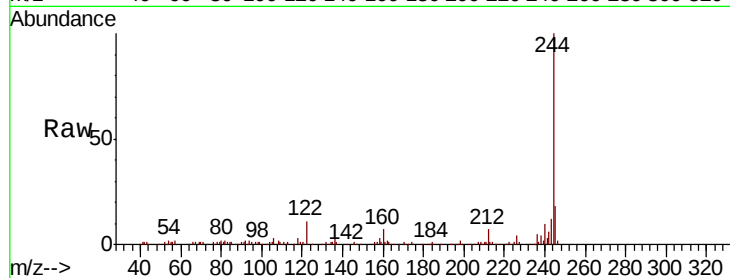
Tot Ion:244 Resp: 129642

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

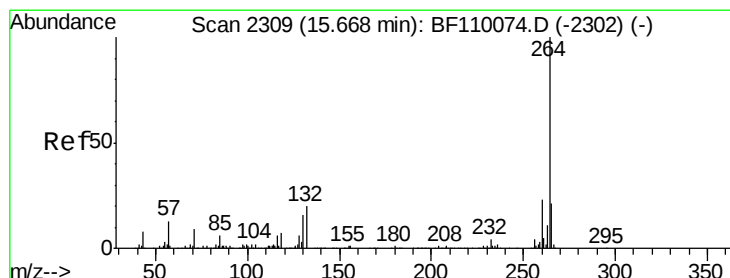
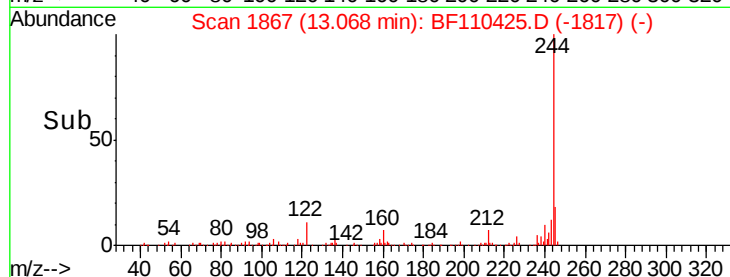
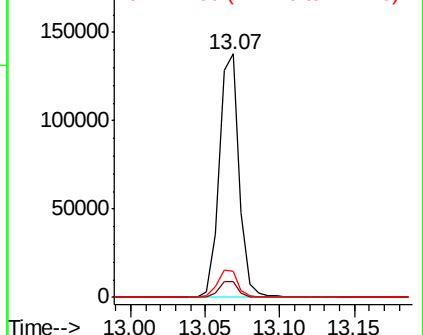
122 10.6 8.7 13.1



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# 2307

Delta R.T. -0.00 min

Lab File: BF110425.D

Acq: 2 Nov 2018 21:24

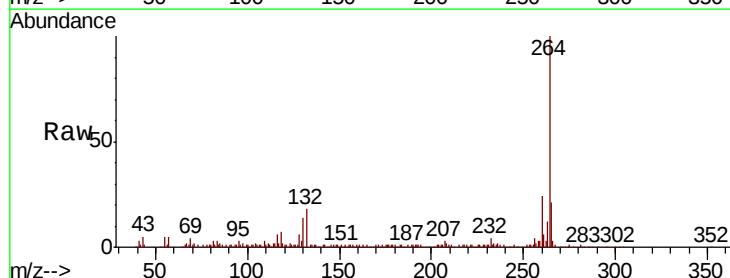
Tgt Ion:264 Resp: 128222

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

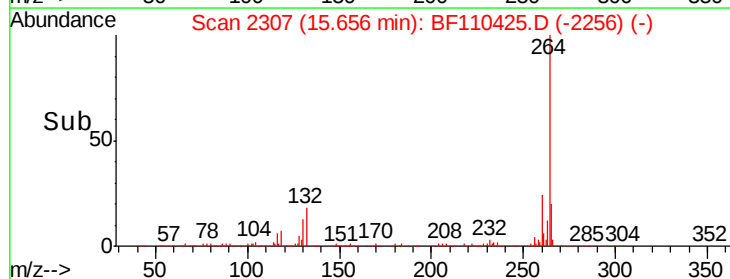
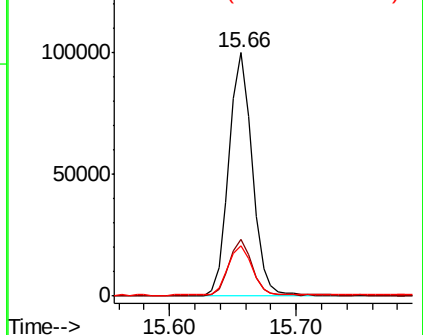
265 20.7 16.7 25.1

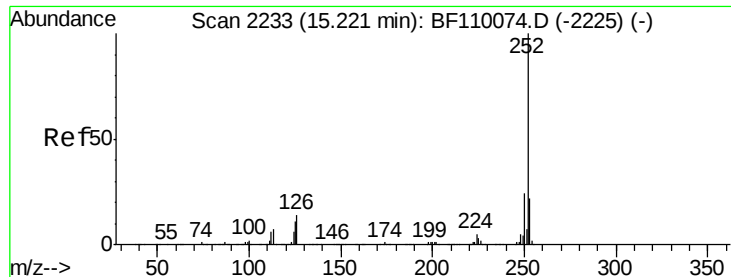


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

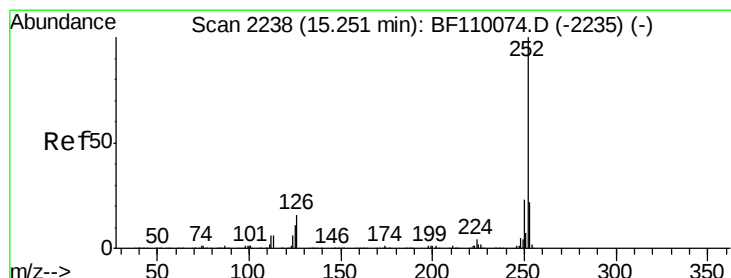
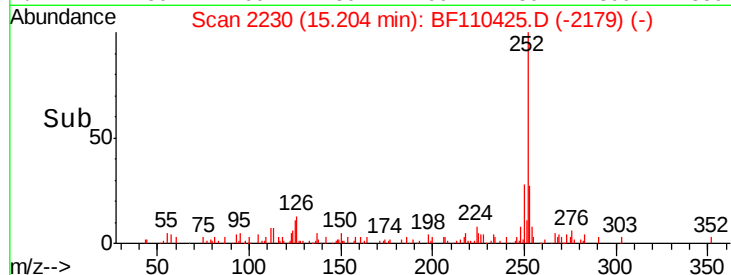
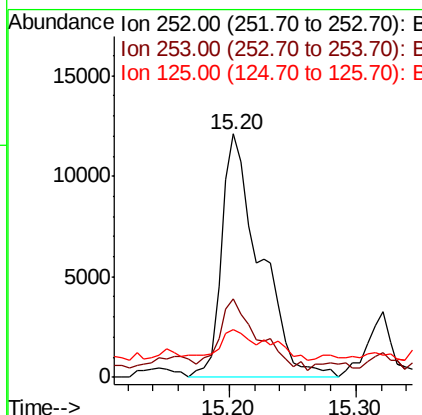
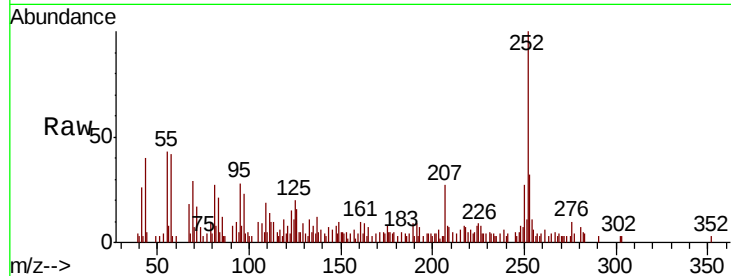




#88
Benzo(b)fluoranthene
Concen: 3.437 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.00 min
Lab File: BF110425.D
Acq: 2 Nov 2018 21:24

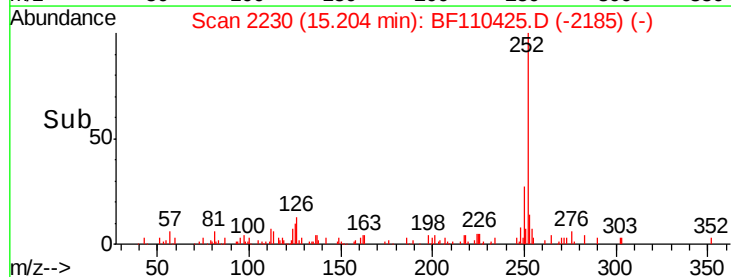
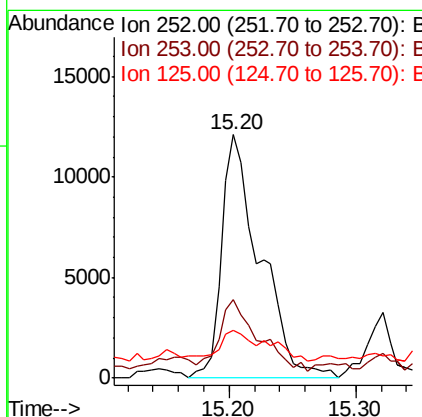
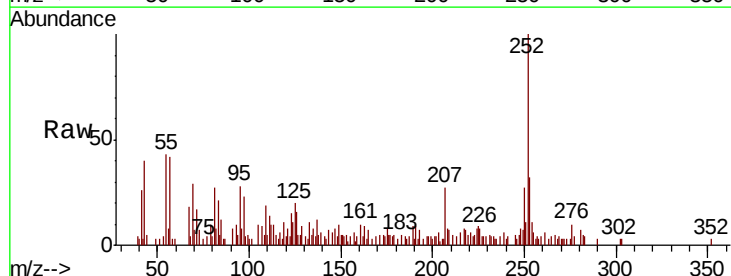
Instrument :
BNA_F
ClientSampleId :

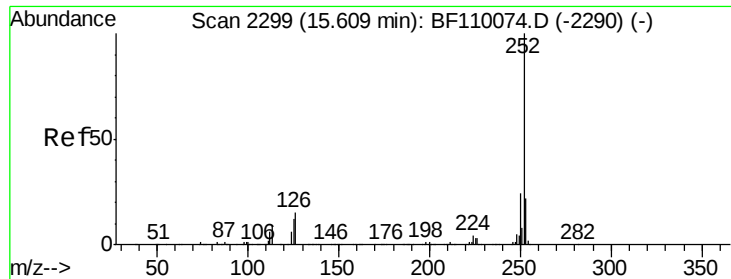
Tot Ion	Ratio	Lower	Upper
252	100		
253	32.1	17.2	25.8#
125	19.6	8.2	12.4#



#89
Benzo(k)fluoranthene
Concen: 3.496 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110425.D
Acq: 2 Nov 2018 21:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.1	17.2	25.8#
125	19.6	7.4	11.0#





#90
 Benzo(a)pyrene
 Concen: 2.004 ng
 RT: 15.59 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: BF110425.D
 Acq: 2 Nov 2018 21:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.0	18.2	27.4
125	21.6	9.0	13.6

