

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
 Data File : BF110145.D
 Acq On : 25 Oct 2018 5:59
 Operator : JU/SJ
 Sample : J5640-13
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 25 09:26:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 25 02:28:50 2018
 Response via : Initial Calibration

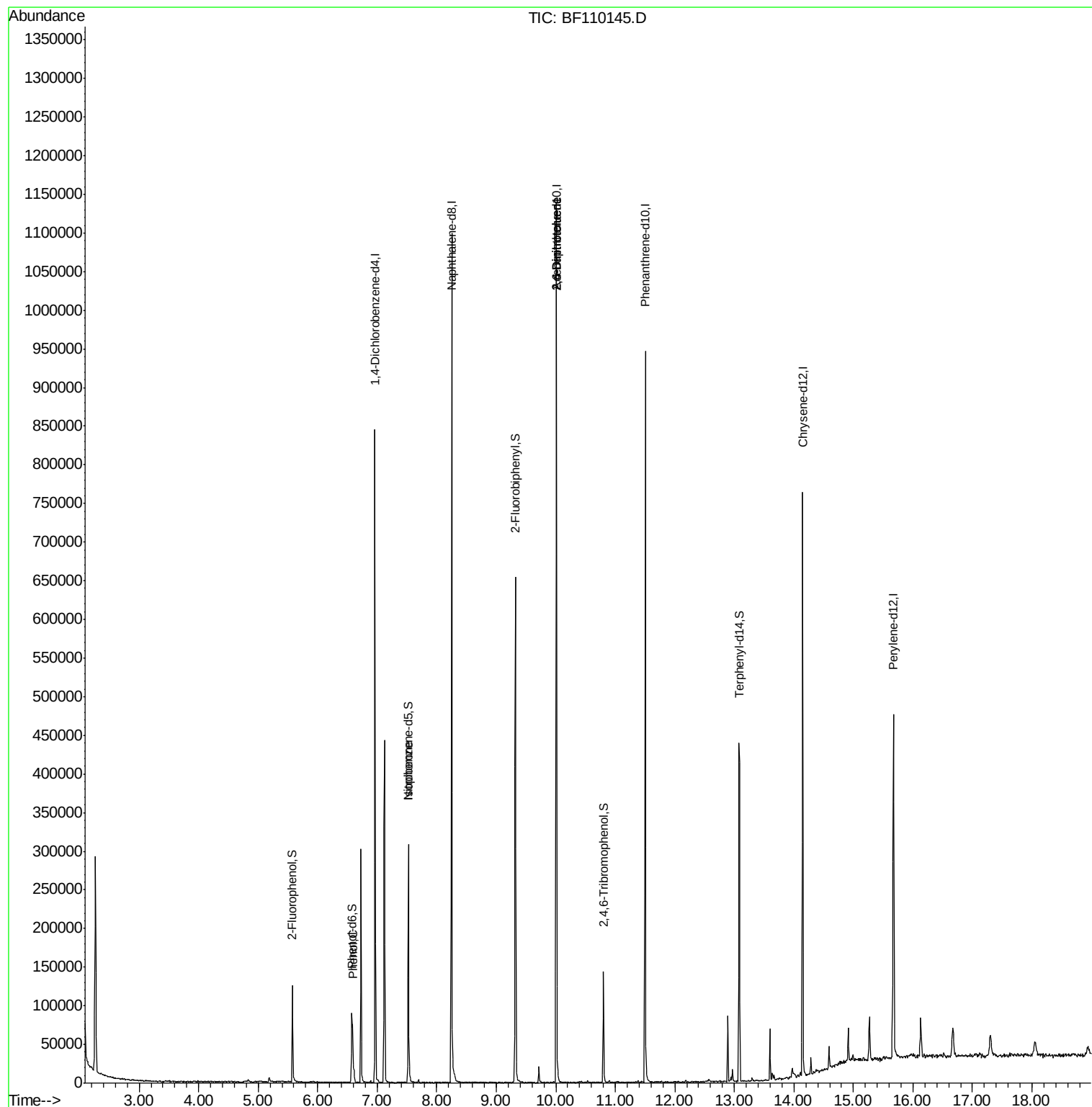
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	125095	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	506411	20.00	ng	0.00
39) Acenaphthene-d10	10.01	164	211715	20.00	ng	0.00
64) Phenanthrene-d10	11.50	188	356331	20.00	ng	0.00
76) Chrysene-d12	14.14	240	249745	20.00	ng	0.00
87) Perylene-d12	15.67	264	198589	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	35051	4.56	ng	0.00
7) Phenol-d6	6.57	99	28418	2.89	ng	-0.01
23) Nitrobenzene-d5	7.52	82	96881	11.35	ng	-0.01
42) 2,4,6-Tribromophenol	10.80	330	17294	8.25	ng	0.00
45) 2-Fluorobiphenyl	9.32	172	200228	14.85	ng	0.00
79) Terphenyl-d14	13.09	244	150774	12.56	ng	0.00
Target Compounds						
9) Benzaldehyde	6.73	77	1608	Below Cal		88
10) Phenol	6.59	94	21639	2.060 ng	#	59
25) Isophorone	7.52	82	96880	6.657 ng	#	67
51) 2,6-Dinitrotoluene	10.01	165	26888	7.987 ng	#	23
57) 2,4-Dinitrotoluene	10.01	165	26888	6.288 ng	#	19

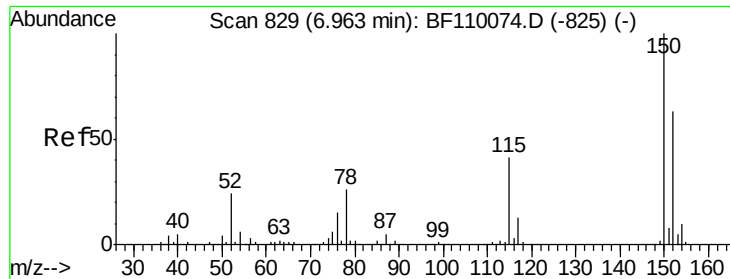
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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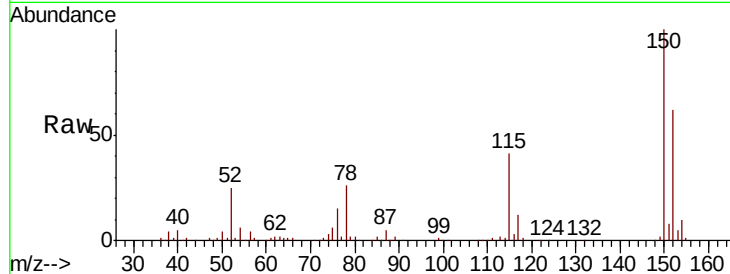


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.00 min
Lab File: BF110145.D
Acq: 25 Oct 2018 5:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.2	122.7	184.1
115	66.2	49.1	73.7

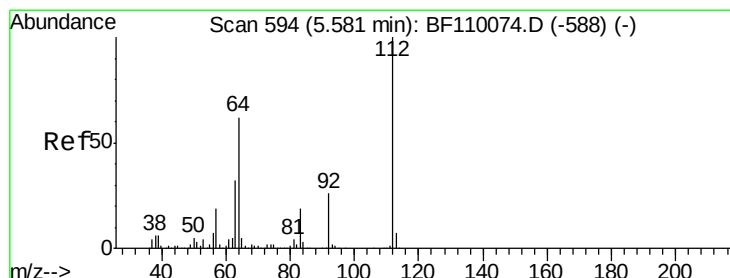
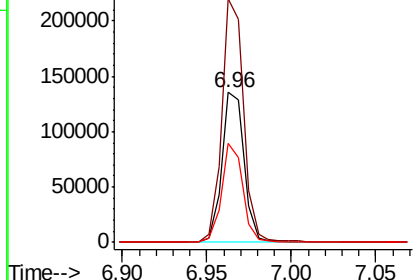
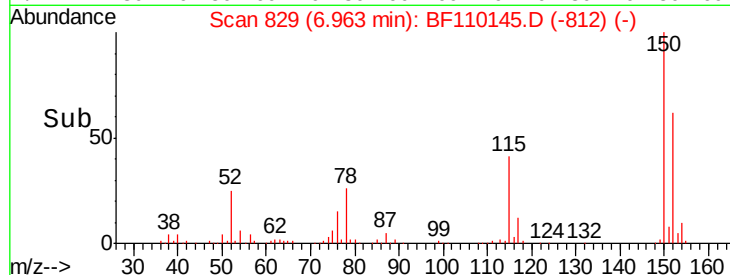


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

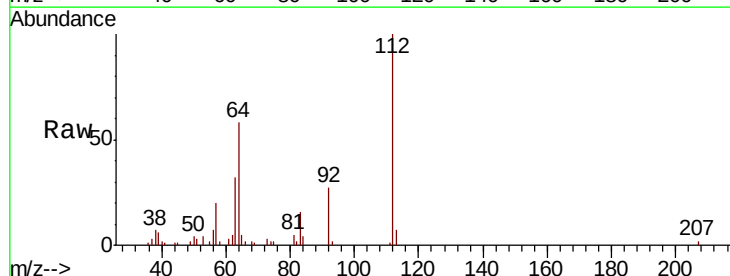
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 4.563 ng
RT: 5.57 min Scan# 593
Delta R.T. -0.01 min
Lab File: BF110145.D
Acq: 25 Oct 2018 5:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	44.1	66.1
63	32.2	23.7	35.5

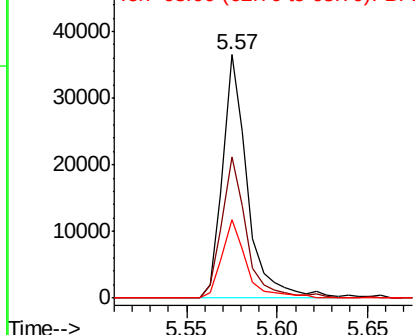
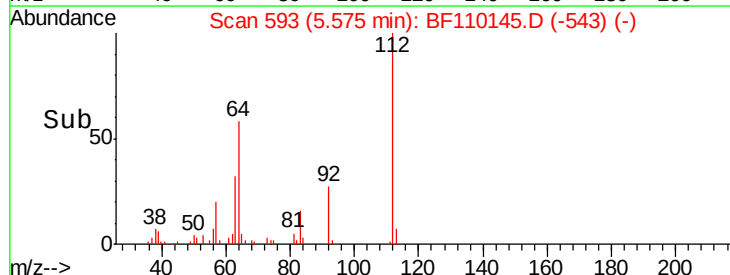


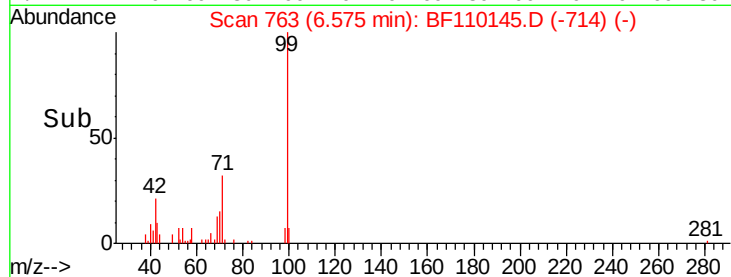
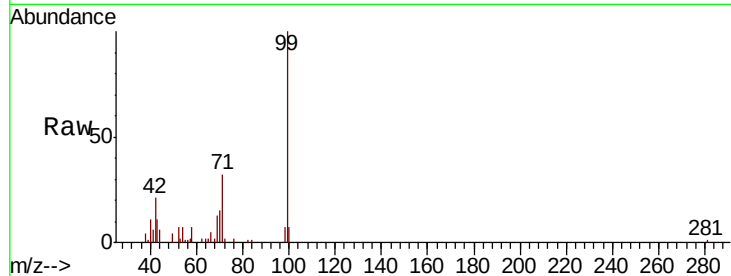
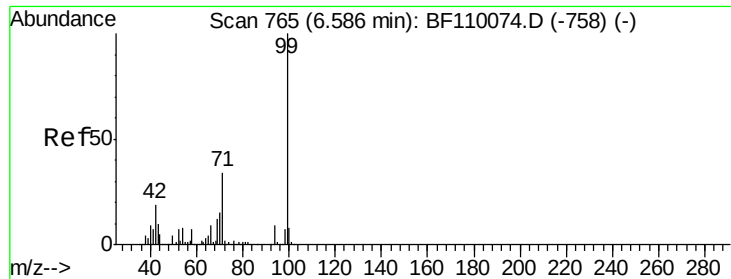
Abundance

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: 2.892 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110145.D

Acq: 25 Oct 2018 5:59

Instrument :

BNA_F

ClientSampleId :

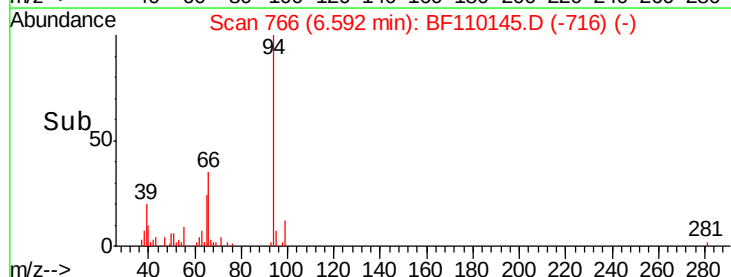
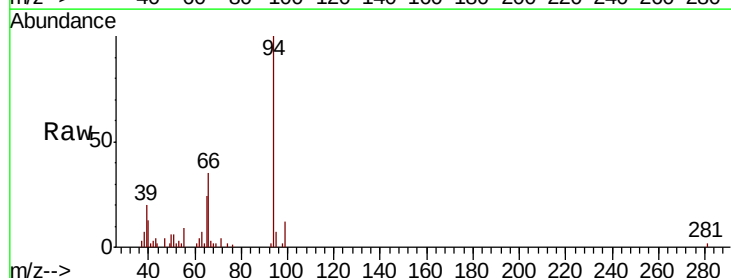
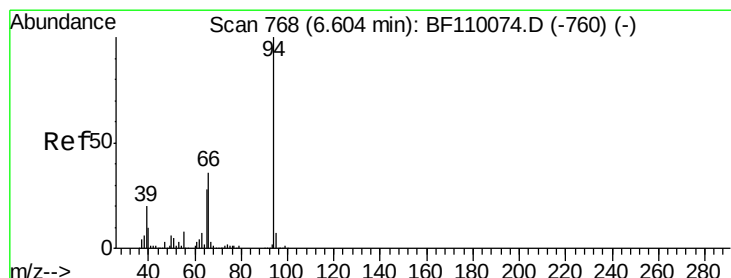
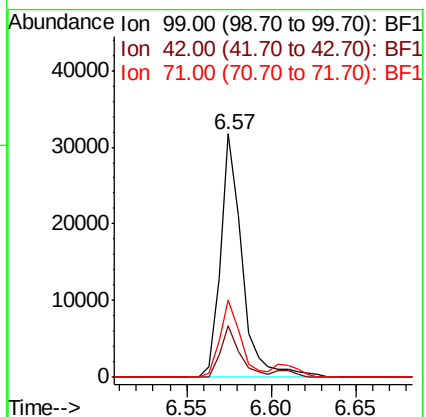
Tot Ion: 99 Resp: 28418

Ion Ratio Lower Upper

99 100

42 21.4 15.8 23.6

71 31.9 28.0 42.0



#10

Phenol

Concen: 2.060 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110145.D

Acq: 25 Oct 2018 5:59

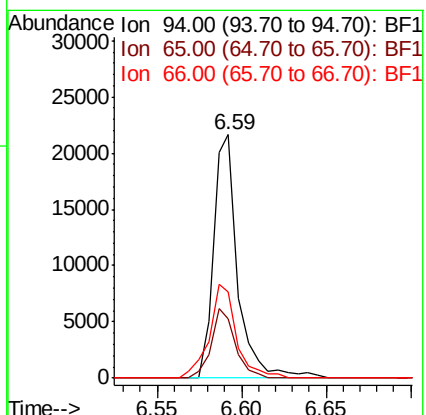
Tgt Ion: 94 Resp: 21639

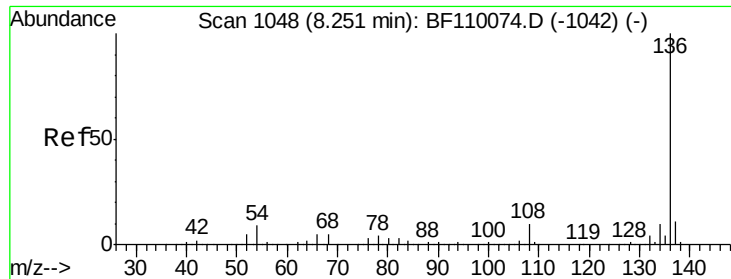
Ion Ratio Lower Upper

94 100

65 24.5 25.3 65.3#

66 35.5 54.5 94.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF110145.D

Acq: 25 Oct 2018 5:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 506411

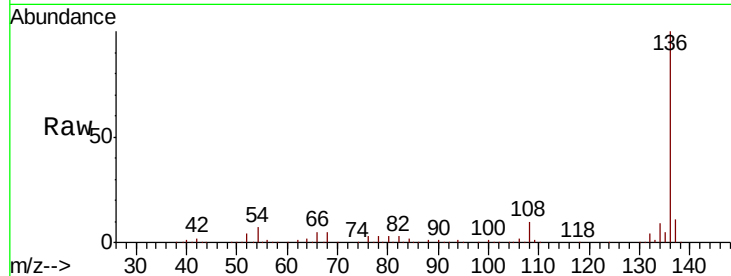
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.3 5.4 8.2

68 5.3 4.2 6.2

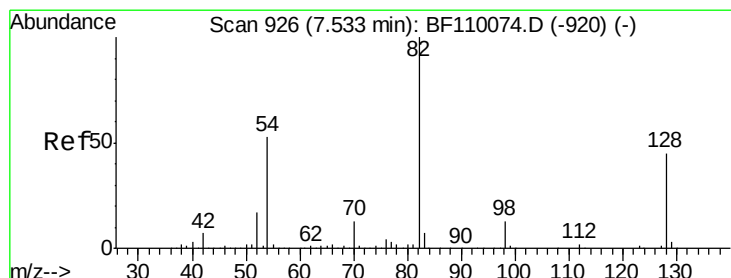
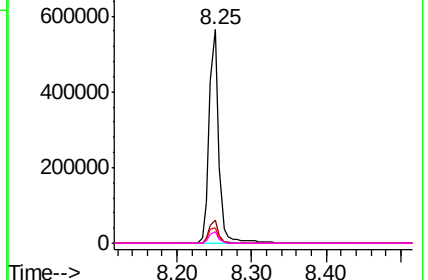
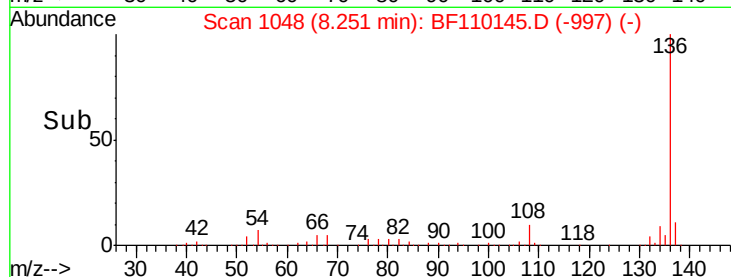


Abundance Ion 136.00 (135.70 to 136.70): E

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: 11.347 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.01 min

Lab File: BF110145.D

Acq: 25 Oct 2018 5:59

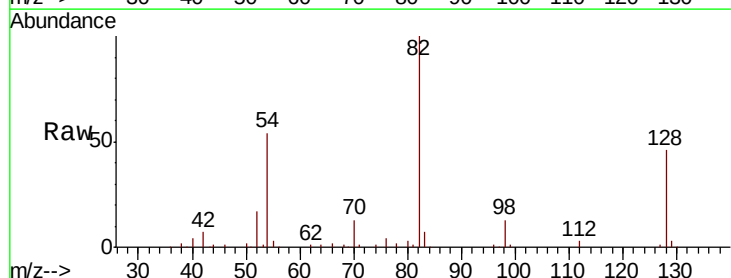
Tgt Ion: 82 Resp: 96881

Ion Ratio Lower Upper

82 100

128 45.6 34.2 51.2

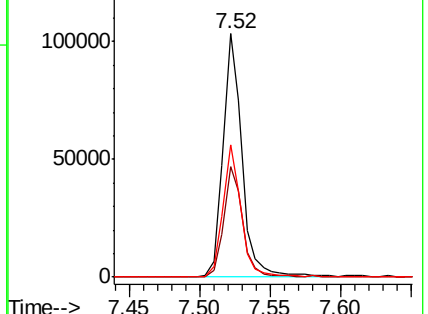
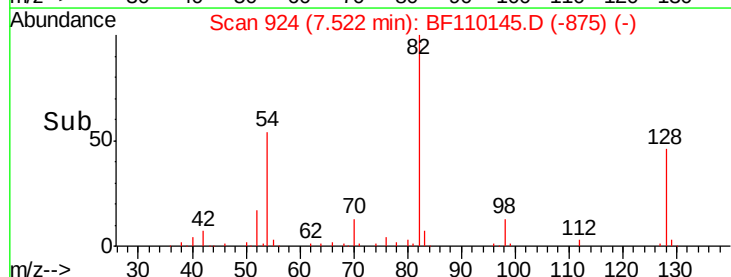
54 54.4 38.6 58.0

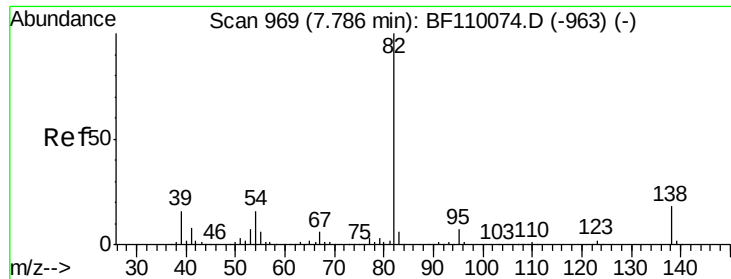


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 6.657 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.26 min

Lab File: BF110145.D

Acq: 25 Oct 2018 5:59

Instrument :

BNA_F

ClientSampled :

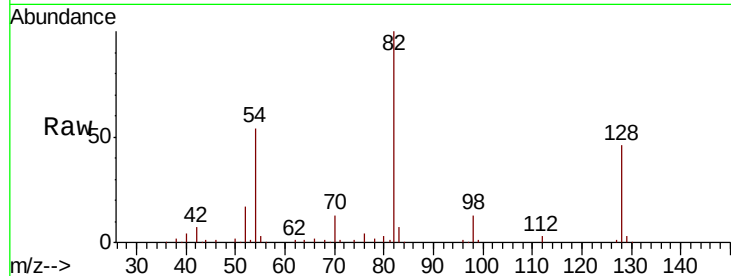
Tot Ion: 82 Resp: 96880

Ion Ratio Lower Upper

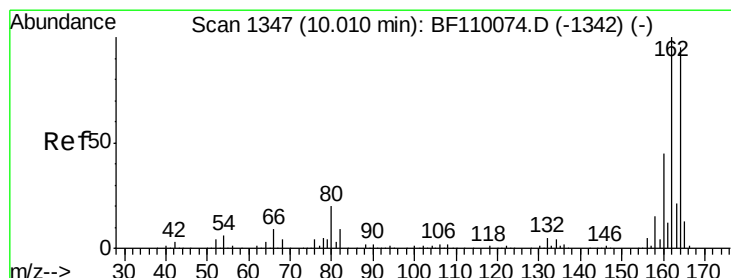
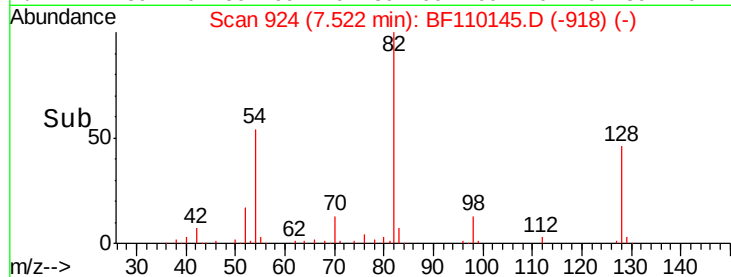
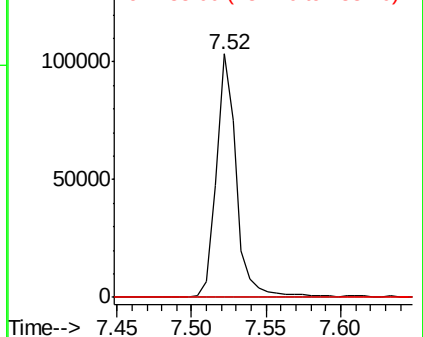
82 100

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: 10.01 min Scan# 1347

Delta R.T. -0.00 min

Lab File: BF110145.D

Acq: 25 Oct 2018 5:59

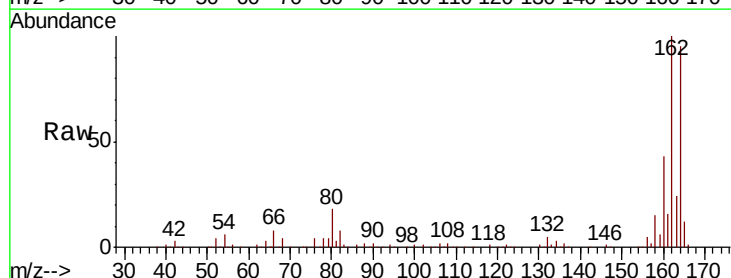
Tgt Ion: 164 Resp: 211715

Ion Ratio Lower Upper

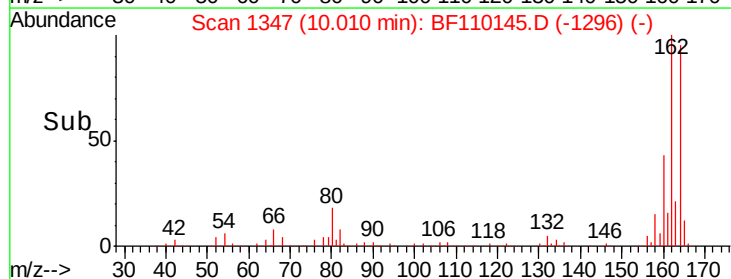
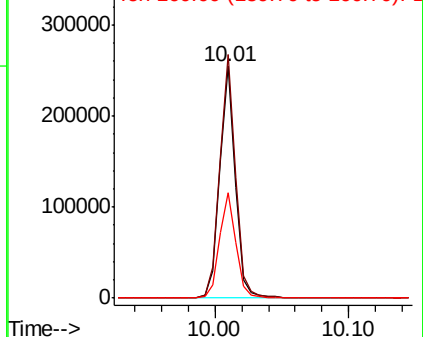
164 100

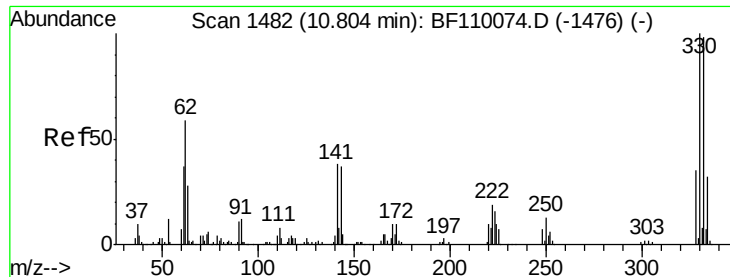
162 105.1 83.0 124.6

160 45.6 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

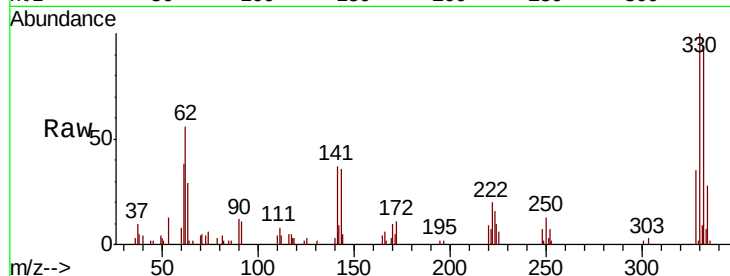




#42
 2,4,6-Tribromophenol
 Concen: 8.246 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF110145.D
 Acq: 25 Oct 2018 5:59

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	330	332	141
Resp:	17294		
Ion Ratio	100	97.0	37.4
Lower		77.1	27.0
Upper		115.7	40.4

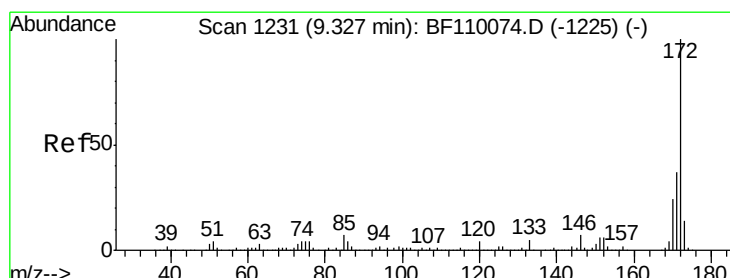
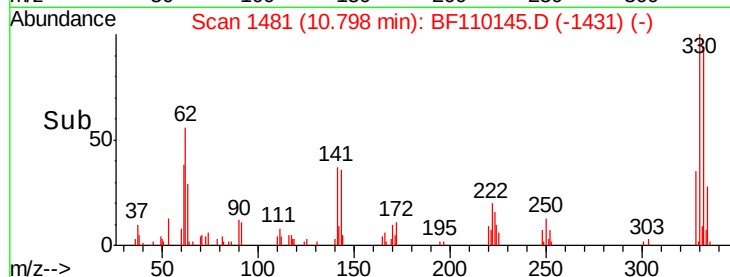
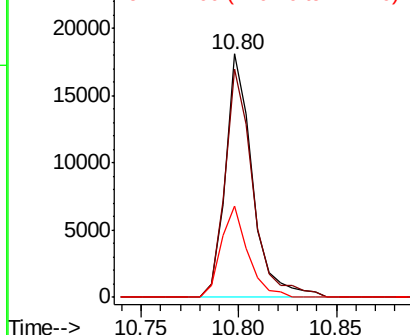


Abundance

Ion 329.80 (329.50 to 330.50): E

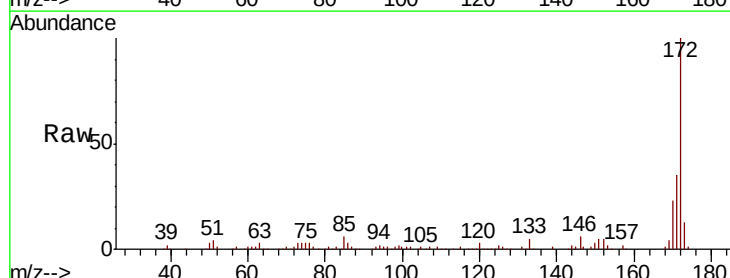
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 14.851 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF110145.D
 Acq: 25 Oct 2018 5:59

Tgt Ion	172	171	170
Resp:	200228		
Ion Ratio	100	34.9	23.0
Lower		28.6	19.7
Upper		43.0	29.5

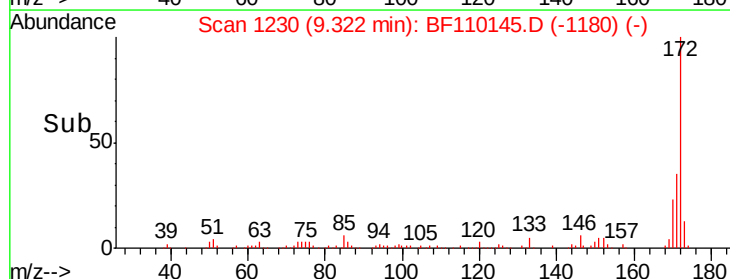
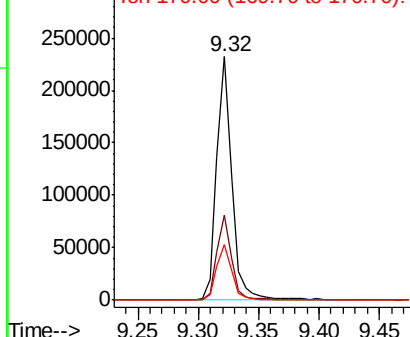


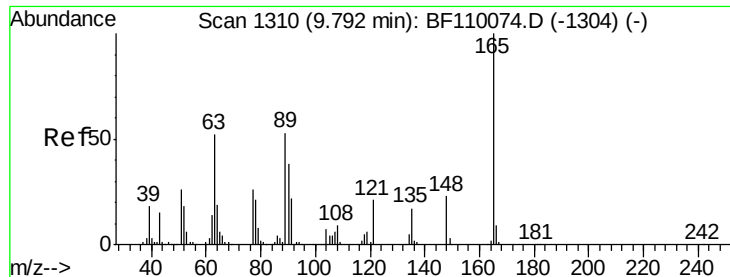
Abundance

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: 7.987 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.22 min

Lab File: BF110145.D

Acq: 25 Oct 2018 5:59

Instrument :

BNA_F

ClientSampleId :

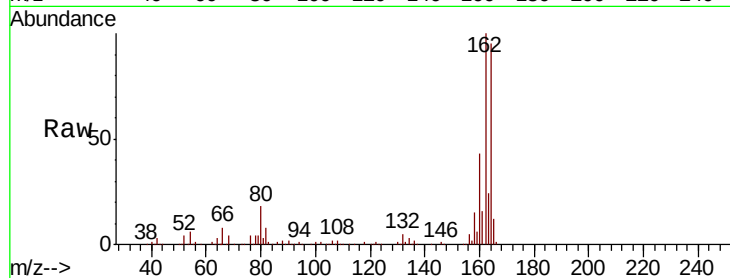
Tot Ion:165 Resp: 26888

Ion Ratio Lower Upper

165 100

63 1.4 48.9 73.3#

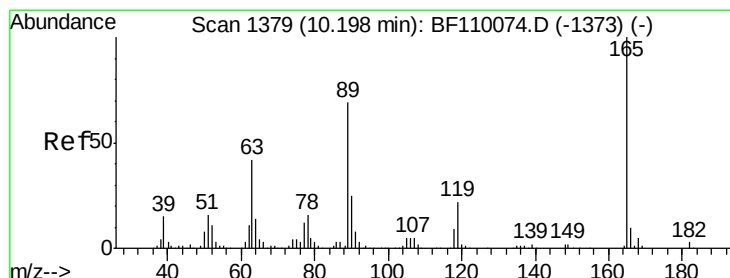
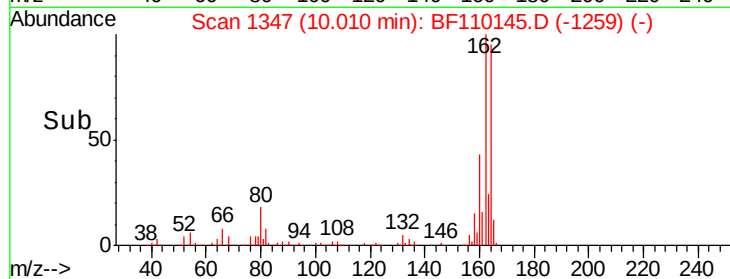
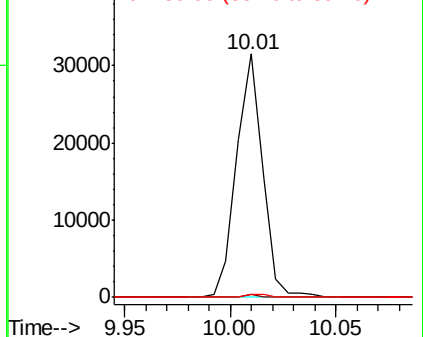
89 1.3 46.6 69.8#



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: 6.288 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.18 min

Lab File: BF110145.D

Acq: 25 Oct 2018 5:59

Tgt Ion:165 Resp: 26888

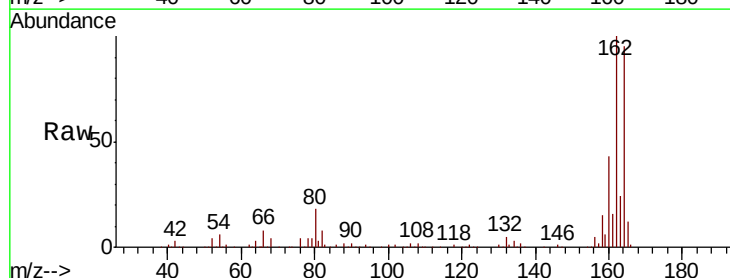
Ion Ratio Lower Upper

165 100

63 1.4 44.8 67.2#

89 1.3 62.2 93.4#

182 0.0 2.1 3.1#

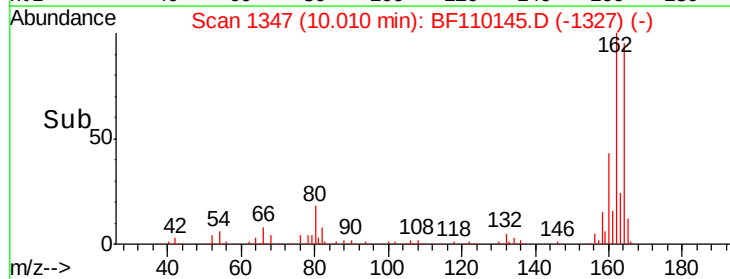
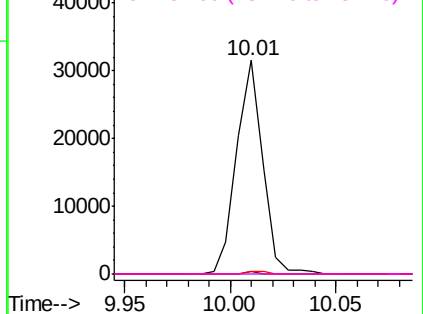


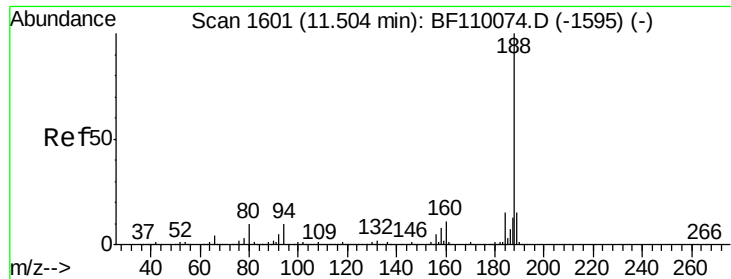
Abundance Ion 165.00 (164.70 to 165.70): E

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

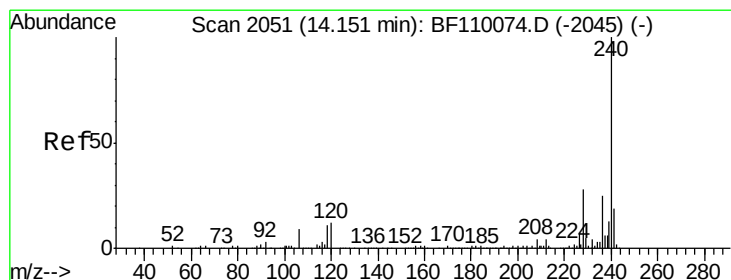
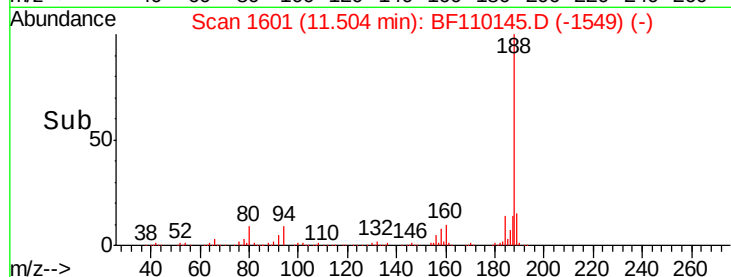
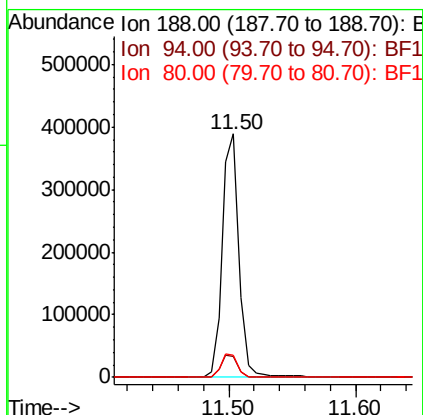
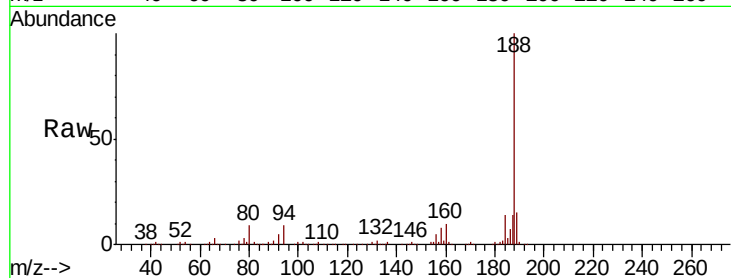




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF110145.D
Acq: 25 Oct 2018 5:59

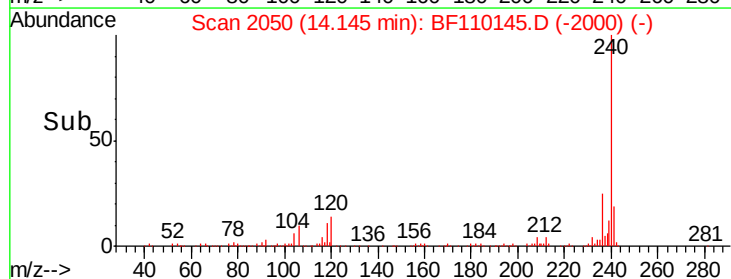
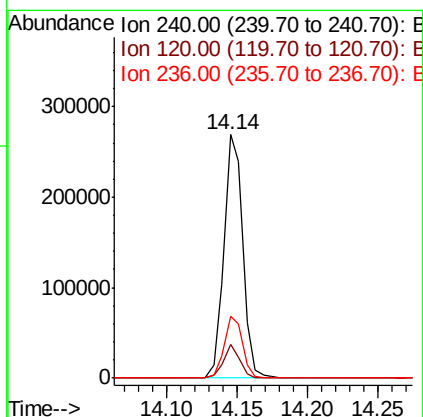
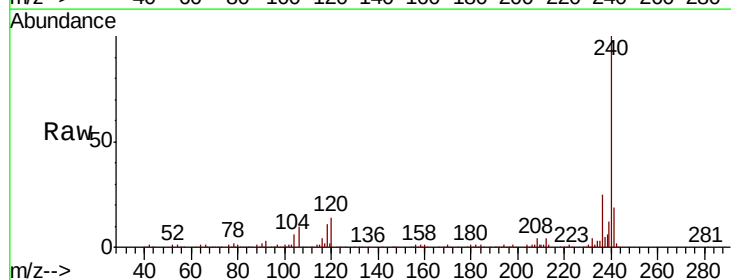
Instrument :
BNA_F
ClientSampled :

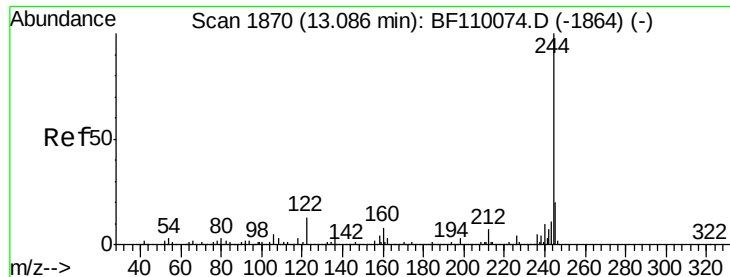
Tot Ion:188 Resp: 356331
Ion Ratio Lower Upper
188 100
94 8.7 7.2 10.8
80 8.9 7.9 11.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF110145.D
Acq: 25 Oct 2018 5:59

Tgt Ion:240 Resp: 249745
Ion Ratio Lower Upper
240 100
120 13.6 8.3 12.5#
236 25.2 21.2 31.8





#79

Terphenyl-d14

Concen: 12.555 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.00 min

Lab File: BF110145.D

Acq: 25 Oct 2018 5:59

Instrument :

BNA_F

ClientSampleId :

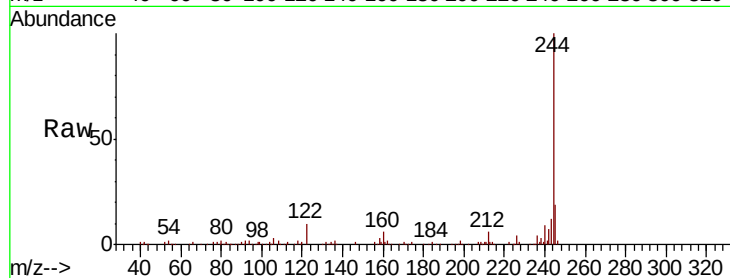
Tot Ion:244 Resp: 150774

Ion Ratio Lower Upper

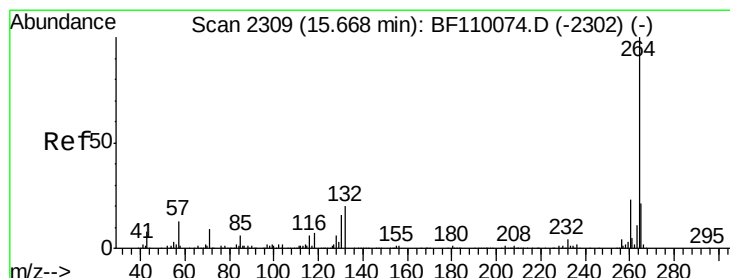
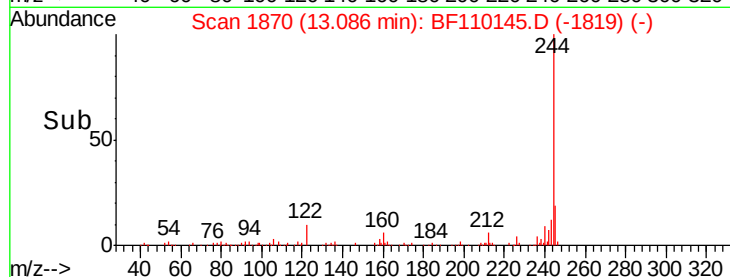
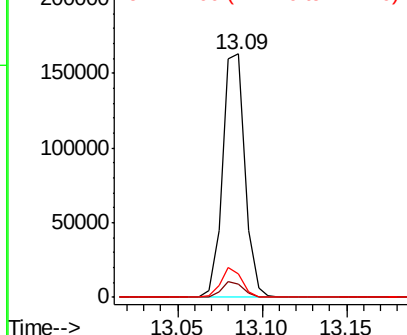
244 100

212 5.5 5.8 8.8#

122 9.6 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: 15.67 min Scan# 2310

Delta R.T. 0.01 min

Lab File: BF110145.D

Acq: 25 Oct 2018 5:59

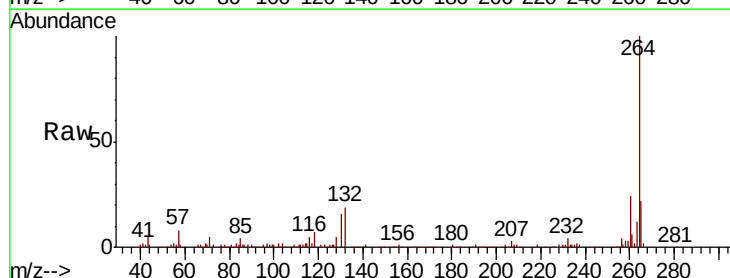
Tgt Ion:264 Resp: 198589

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 21.7 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

