

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012216\
 Data File : BF084598.D
 Acq On : 22 Jan 2016 19:18
 Operator : SJ/IZ
 Sample : H1127-01 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1

Quant Time: Jan 22 22:13:51 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

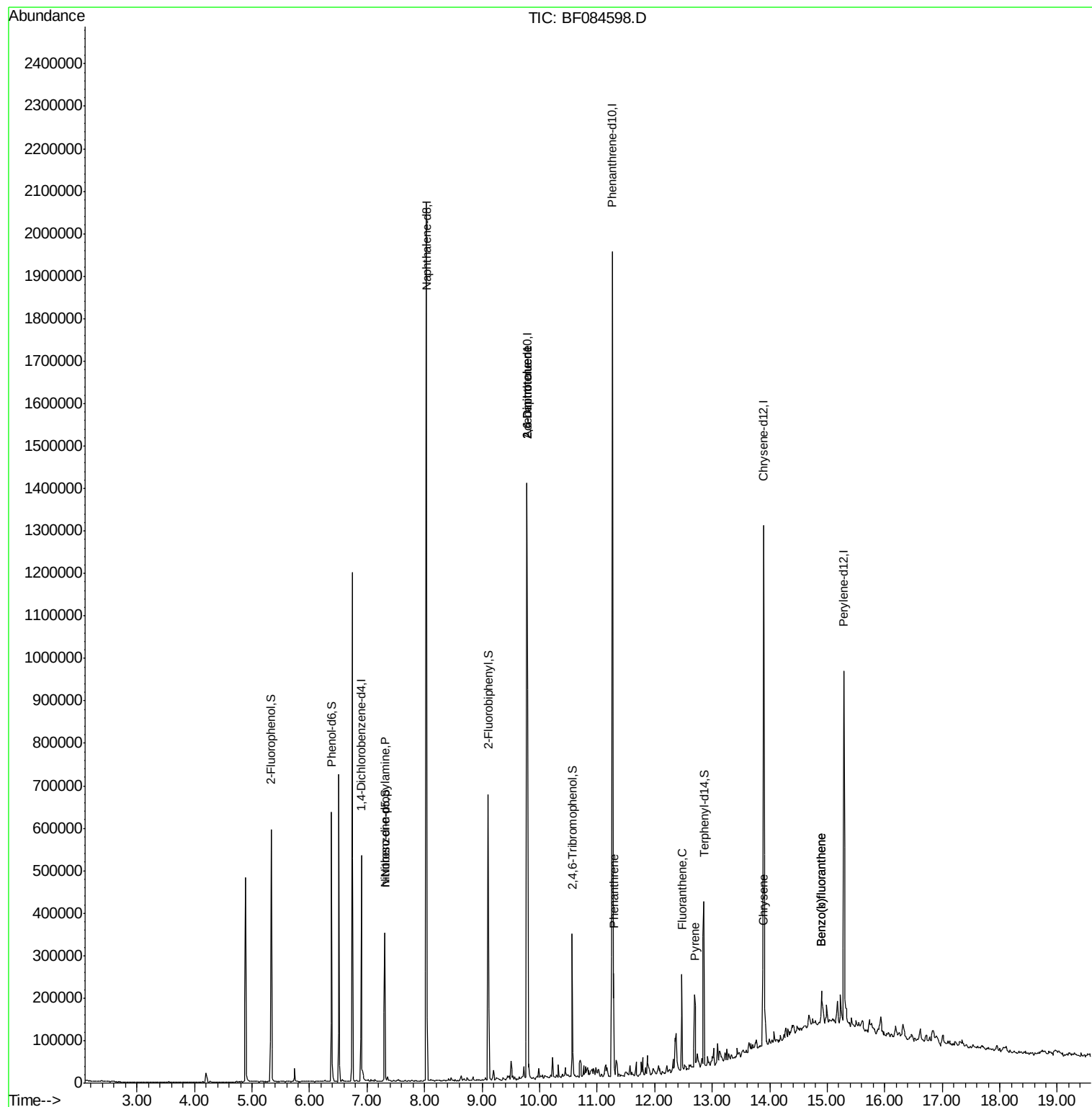
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	74586	20.00	ng	0.07
21) Naphthalene-d8	8.03	136	830829	20.00	ng	-0.09
38) Acenaphthene-d10	9.78	164	348943	20.00	ng	-0.09
63) Phenanthrene-d10	11.26	188	642948	20.00	ng	-0.09
75) Chrysene-d12	13.89	240	423613	20.00	ng	-0.10
86) Perylene-d12	15.29	264	374849	20.00	ng	-0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	158423	34.36	ng	-0.10
7) Phenol-d6	6.38	99	208360	35.98	ng	-0.09
23) Nitrobenzene-d5	7.31	82	121356	8.13	ng	-0.09
41) 2,4,6-Tribromophenol	10.57	330	36727	10.43	ng	-0.10
44) 2-Fluorobiphenyl	9.10	172	210022	4.60	ng	-0.09
78) Terphenyl-d14	12.85	244	157640	8.31	ng	-0.09
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.31	70	15672	4.00	ng	# 75
50) 2,6-Dinitrotoluene	9.78	165	44538	8.14	ng	# 38
54) Dibenzofuran	9.98	168	4489	Below Cal		# 88
56) 2,4-Dinitrotoluene	9.78	165	44766	6.46	ng	# 22
57) Fluorene	10.33	166	7059	Below Cal		98
70) Phenanthrene	11.29	178	82713	2.46	ng	99
73) Di-n-butylphthalate	11.84	149	2806	Below Cal	#	72
74) Fluoranthene	12.48	202	110256	3.14	ng	93
77) Pyrene	12.70	202	100351	3.02	ng	97
82) Chrysene	13.88	228	48406	2.03	ng	95
87) Benzo(b)fluoranthene	14.90	252	53465	2.18	ng	# 88
88) Benzo(k)fluoranthene	14.90	252	53465	2.67	ng	93

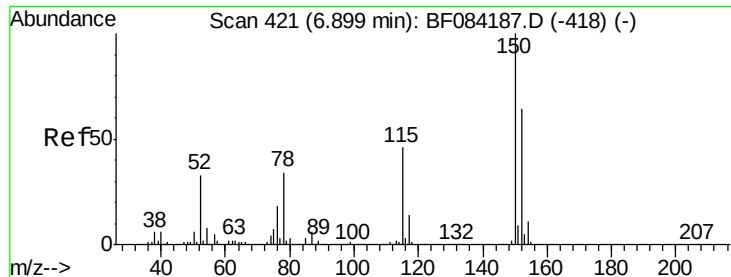
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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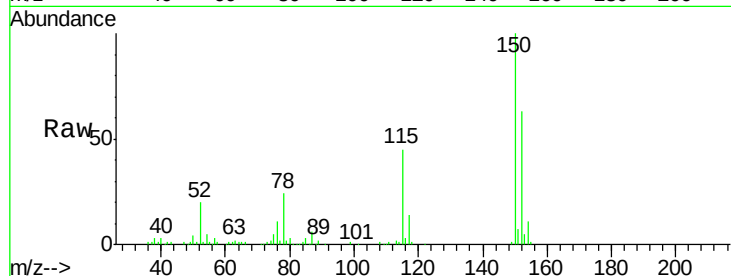


#1

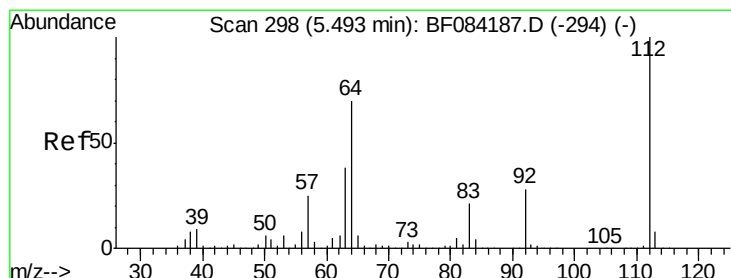
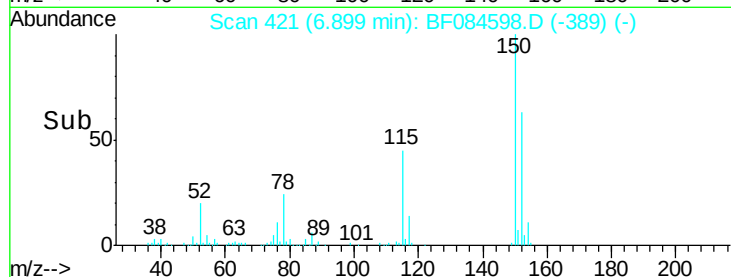
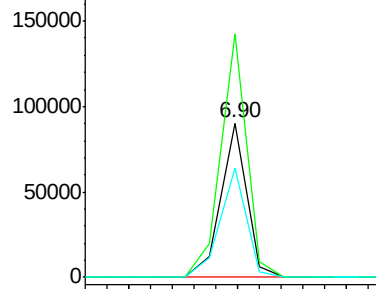
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. 0.07 min
Lab File: BF084598.D
Acq: 22 Jan 2016 19:18

Instrument :
BNA_F
ClientSampled :
S-1

Tgt Ion:152 Resp: 74586
Ion Ratio Lower Upper
152 100
150 158.0 123.0 184.4
115 71.2 51.4 77.2



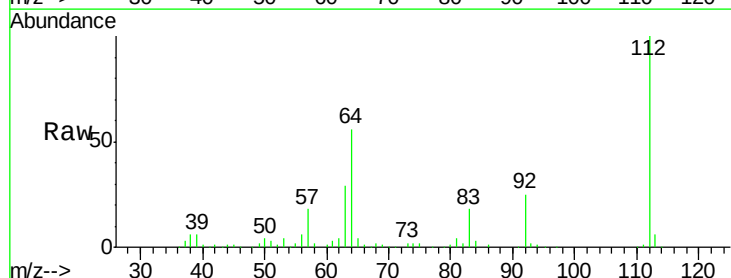
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



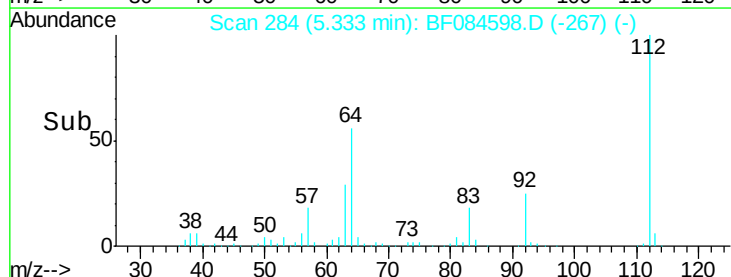
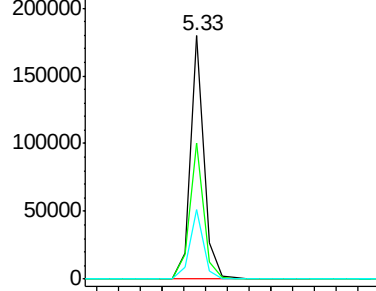
#5

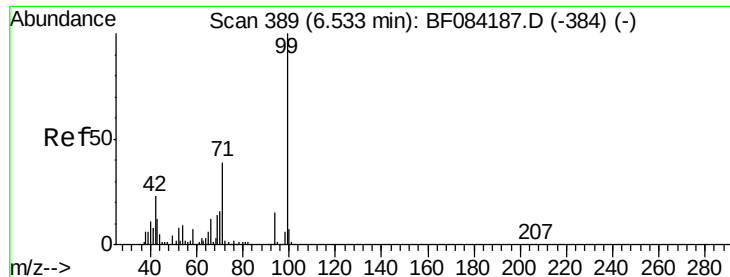
2-Fluorophenol
Concen: 34.36 ng
RT: 5.33 min Scan# 284
Delta R.T. -0.10 min
Lab File: BF084598.D
Acq: 22 Jan 2016 19:18

Tgt Ion:112 Resp: 158423
Ion Ratio Lower Upper
112 100
64 55.7 36.6 55.0#
63 28.7 19.4 29.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 35.98 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.09 min

Lab File: BF084598.D

Acq: 22 Jan 2016 19:18

Instrument :

BNA_F

ClientSampleId :

S-1

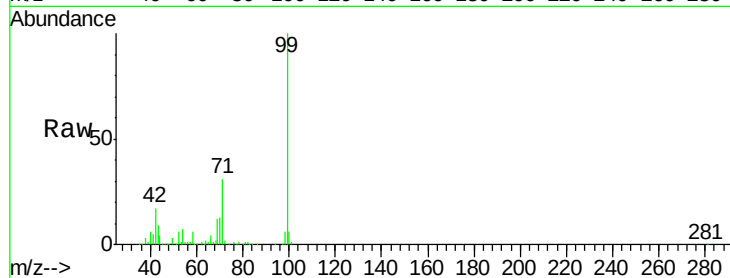
Tgt Ion: 99 Resp: 208360

Ion Ratio Lower Upper

99 100

42 16.8 12.8 19.2

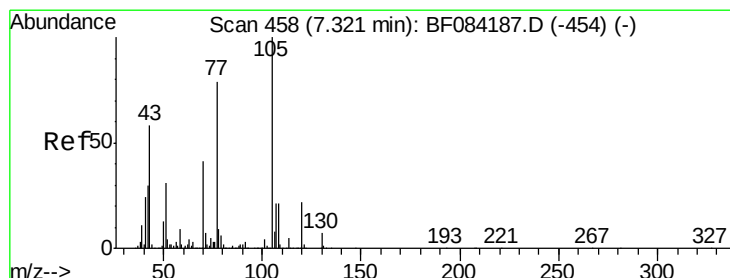
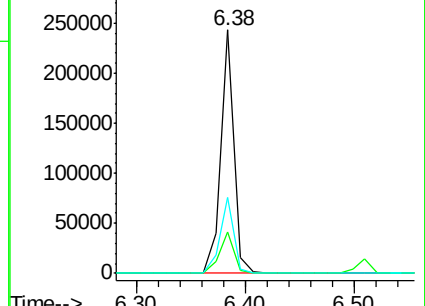
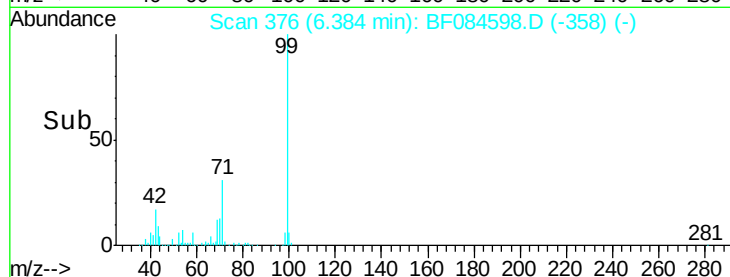
71 31.3 30.9 46.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 4.00 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.06 min

Lab File: BF084598.D

Acq: 22 Jan 2016 19:18

Tgt Ion: 70 Resp: 15672

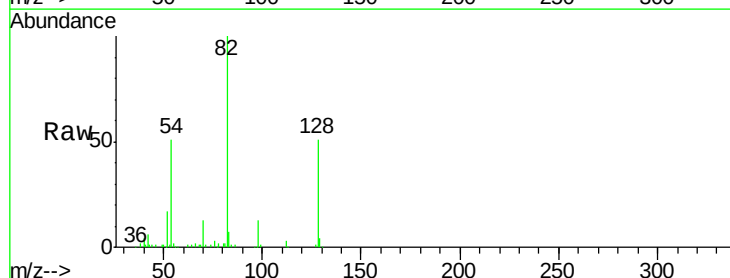
Ion Ratio Lower Upper

70 100

42 45.2 33.3 49.9

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#

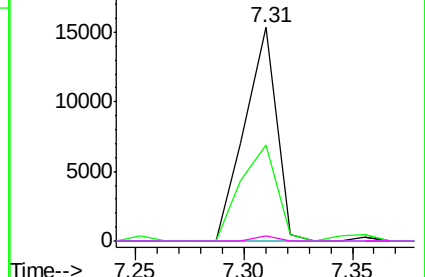
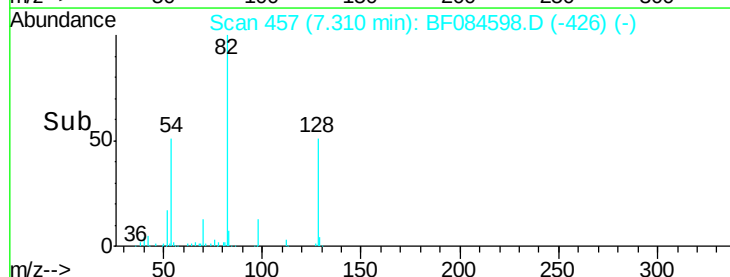


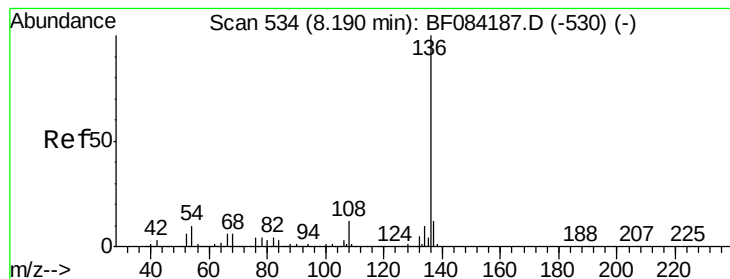
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.09 min

Lab File: BF084598.D

Acq: 22 Jan 2016 19:18

Instrument :

BNA_F

ClientSampleId :

S-1

Tgt Ion: 136 Resp: 830829

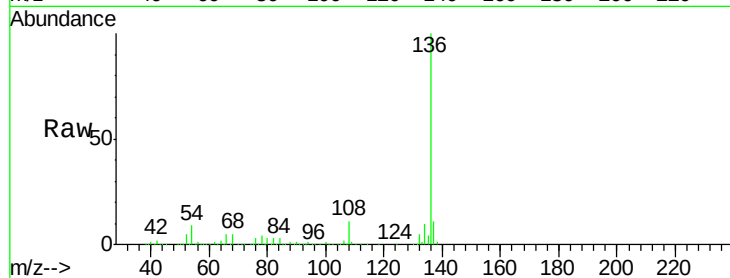
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 8.8 5.8 8.8#

68 4.9 4.2 6.2

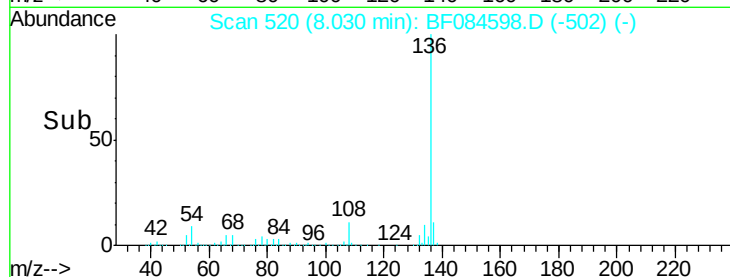


Abundance Ion 136.00 (135.70 to 136.70): E

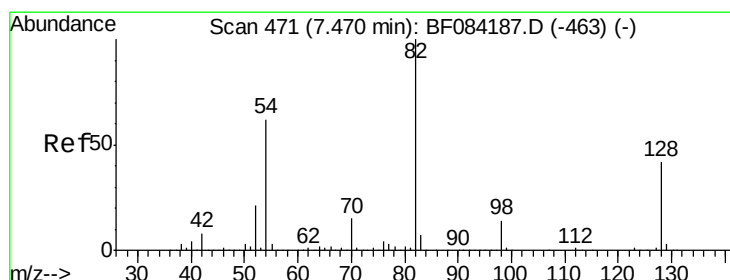
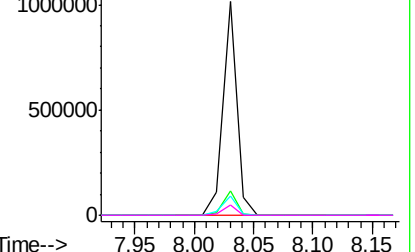
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 8.13 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.09 min

Lab File: BF084598.D

Acq: 22 Jan 2016 19:18

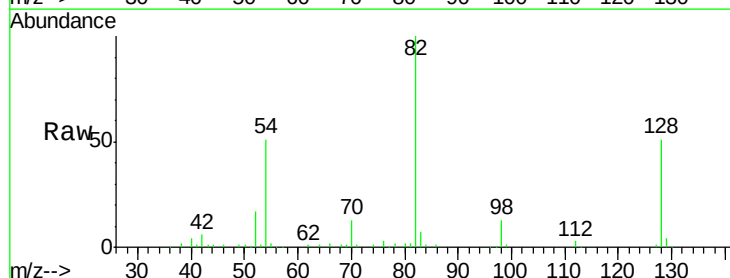
Tgt Ion: 82 Resp: 121356

Ion Ratio Lower Upper

82 100

128 51.3 34.6 51.8

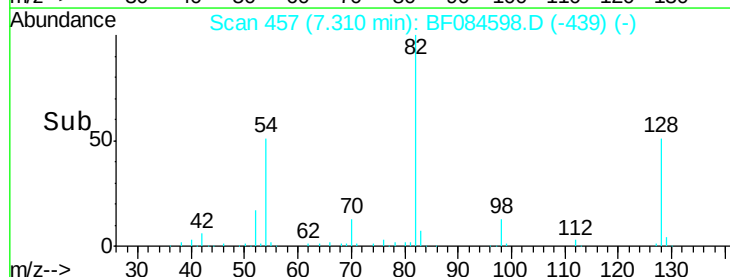
54 50.9 38.4 57.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

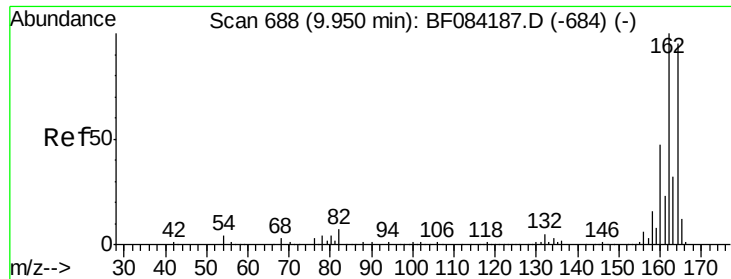
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

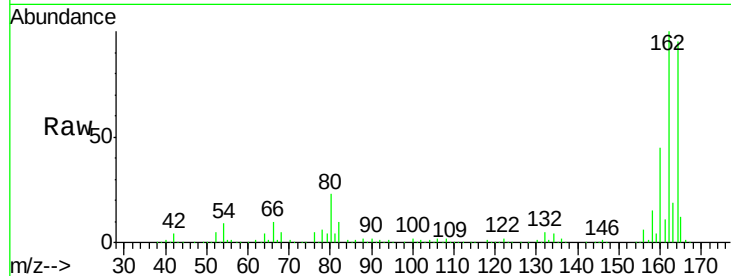




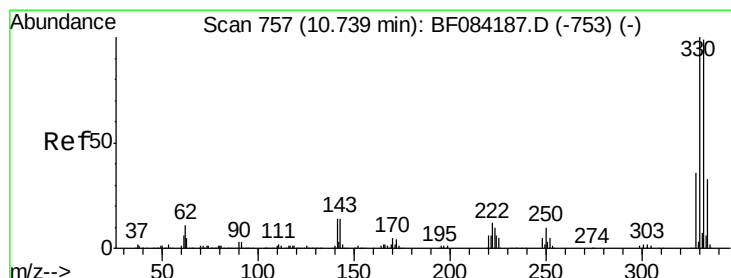
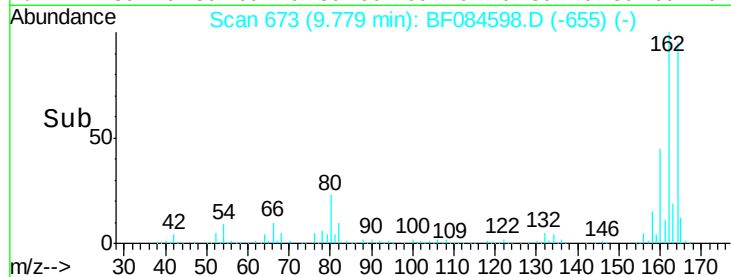
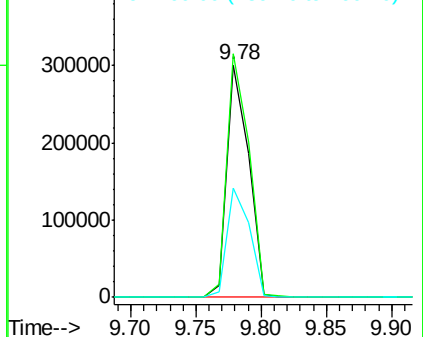
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.09 min
 Lab File: BF084598.D
 Acq: 22 Jan 2016 19:18

Instrument :
 BNA_F
 ClientSampleId :
 S-1

Tgt Ion:164 Resp: 348943
 Ion Ratio Lower Upper
 164 100
 162 104.8 85.1 127.7
 160 47.2 37.5 56.3

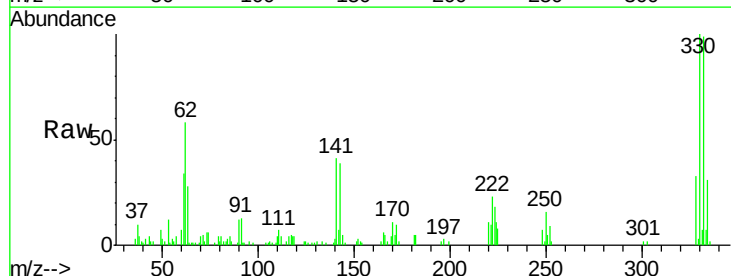


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

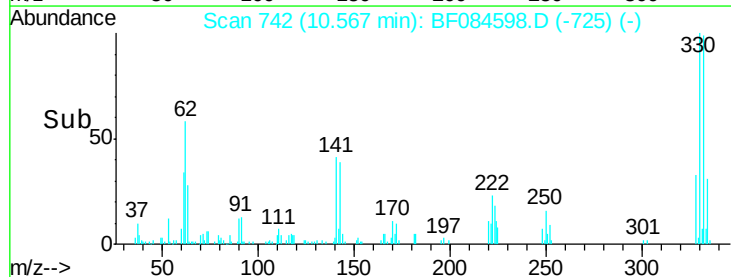
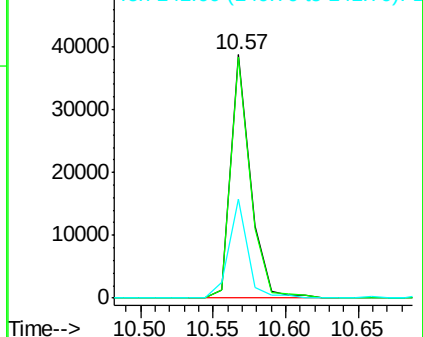


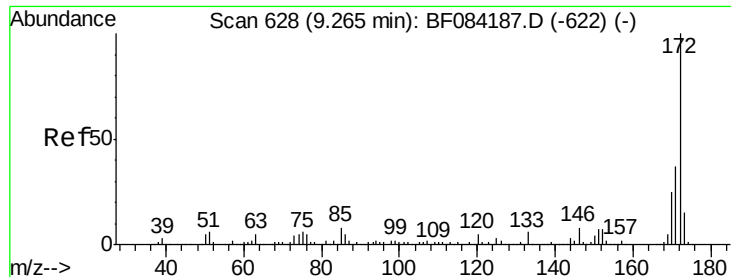
#41
 2,4,6-Tribromophenol
 Concen: 10.43 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.10 min
 Lab File: BF084598.D
 Acq: 22 Jan 2016 19:18

Tgt Ion:330 Resp: 36727
 Ion Ratio Lower Upper
 330 100
 332 98.3 76.6 114.8
 141 38.9 27.8 41.6



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

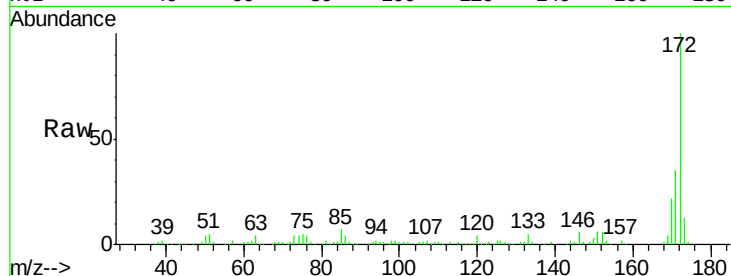




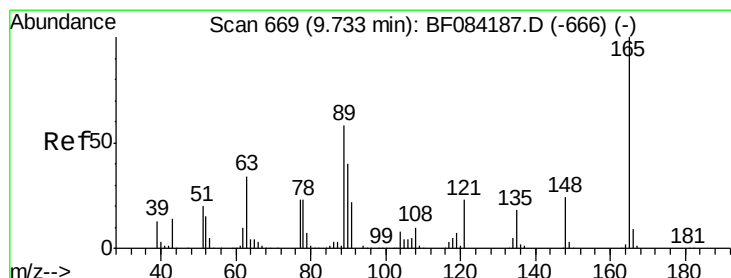
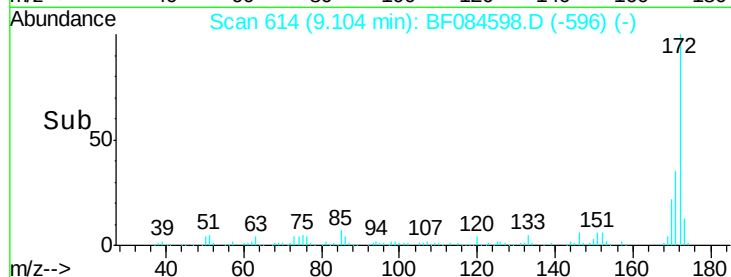
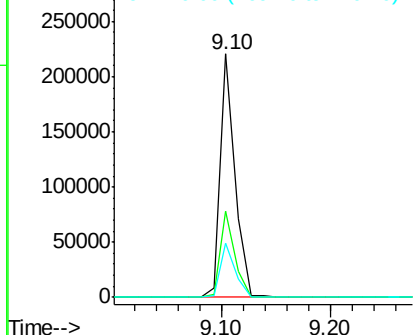
#44
 2-Fluorobiphenyl
 Concen: 4.60 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.09 min
 Lab File: BF084598.D
 Acq: 22 Jan 2016 19:18

Instrument :
 BNA_F
 ClientSampleId :
 S-1

Tgt Ion:172 Resp: 210022
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.9 43.3
 170 22.4 18.6 27.8

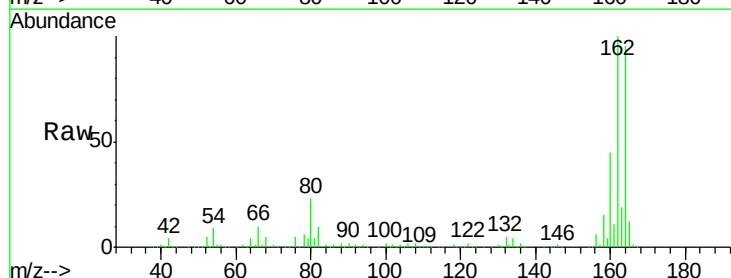


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

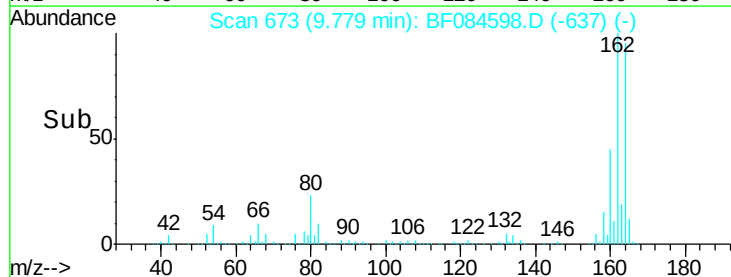
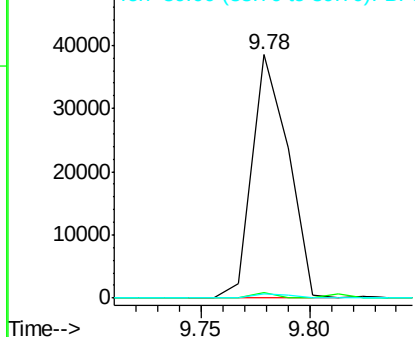


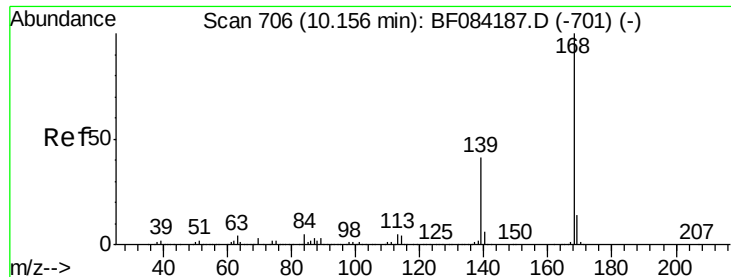
#50
 2,6-Dinitrotoluene
 Concen: 8.14 ng
 RT: 9.78 min Scan# 673
 Delta R.T. 0.11 min
 Lab File: BF084598.D
 Acq: 22 Jan 2016 19:18

Tgt Ion:165 Resp: 44538
 Ion Ratio Lower Upper
 165 100
 63 2.2 28.8 43.2#
 89 1.8 35.1 52.7#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0





#54

Dibenzofuran

Concen: Below Cal

RT: 9.98 min Scan# 691

Delta R.T. -0.09 min

Lab File: BF084598.D

Acq: 22 Jan 2016 19:18

Instrument :

BNA_F

ClientSampleId :

S-1

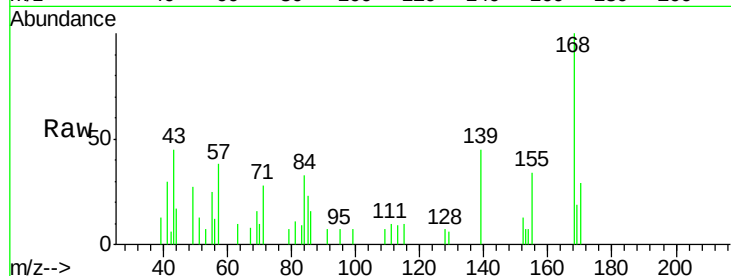
Tgt Ion:168 Resp: 4489

Ion Ratio Lower Upper

168 100

139 44.6 30.5 45.7

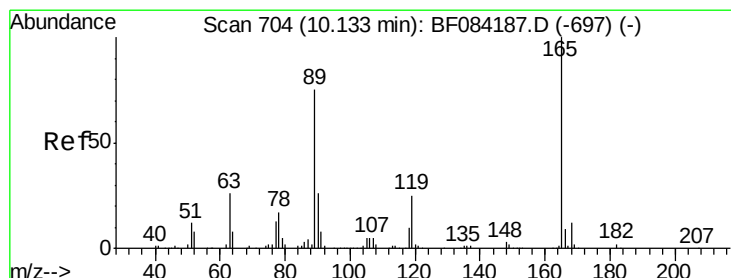
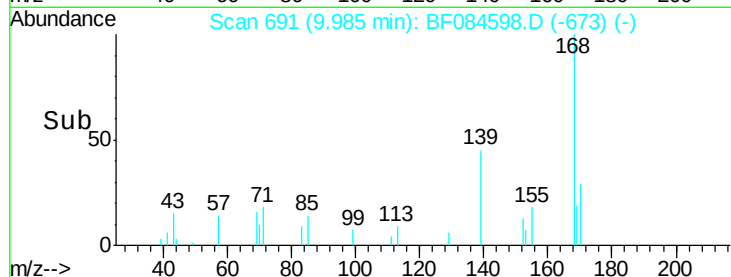
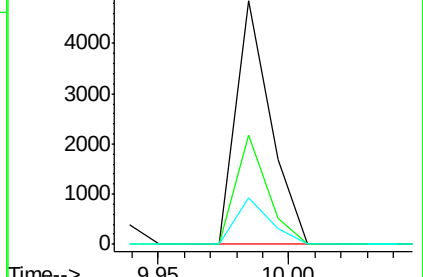
169 18.9 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

2,4-Dinitrotoluene

Concen: 6.46 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.29 min

Lab File: BF084598.D

Acq: 22 Jan 2016 19:18

Tgt Ion:165 Resp: 44766

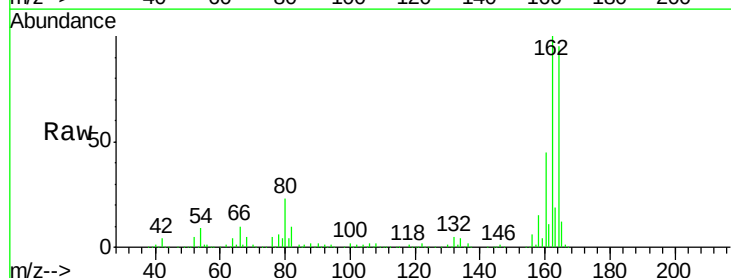
Ion Ratio Lower Upper

165 100

63 2.2 36.7 55.1#

89 1.8 61.9 92.9#

182 0.0 2.0 3.0#

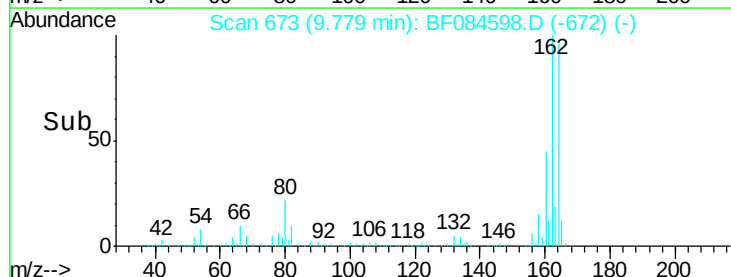
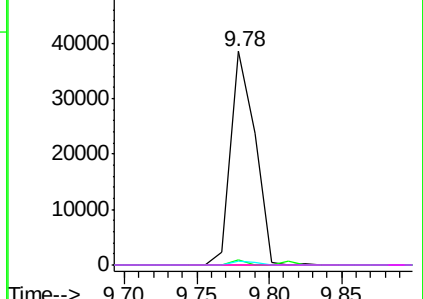


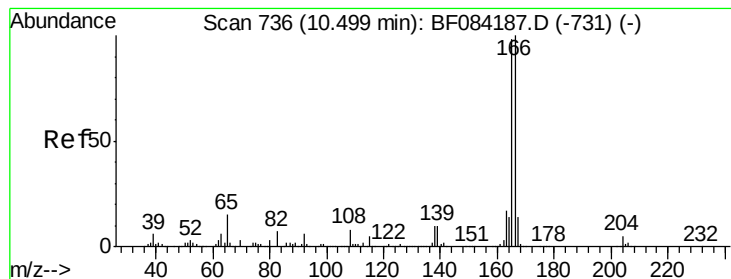
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: Below Cal

RT: 10.33 min Scan# 721

Delta R.T. -0.09 min

Lab File: BF084598.D

Acq: 22 Jan 2016 19:18

Instrument :

BNA_F

ClientSampled :

S-1

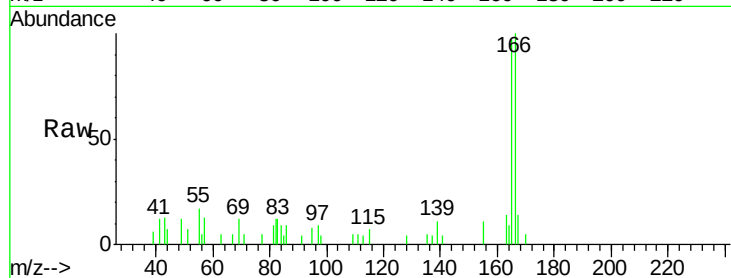
Tgt Ion:166 Resp: 7059

Ion Ratio Lower Upper

166 100

165 97.3 79.1 118.7

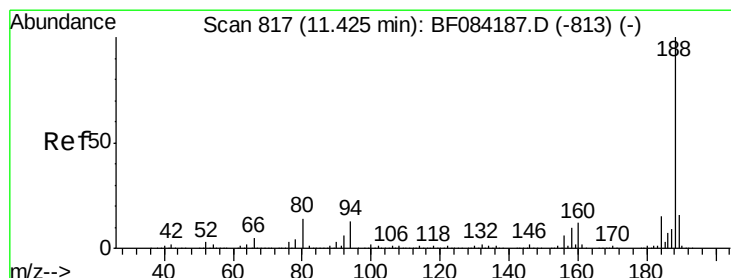
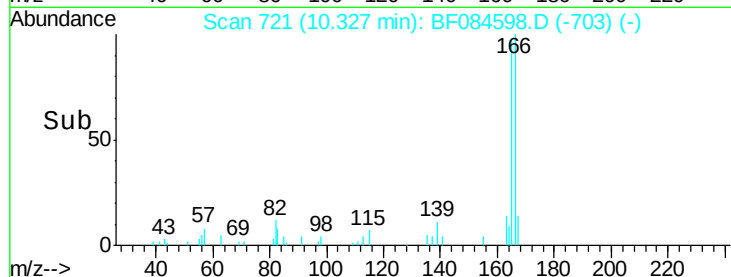
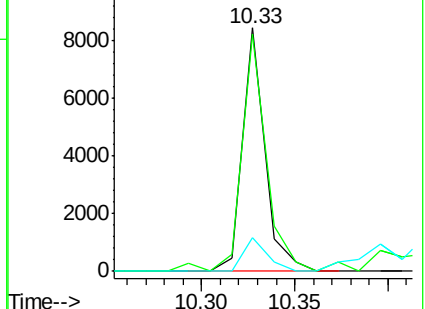
167 13.6 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.09 min

Lab File: BF084598.D

Acq: 22 Jan 2016 19:18

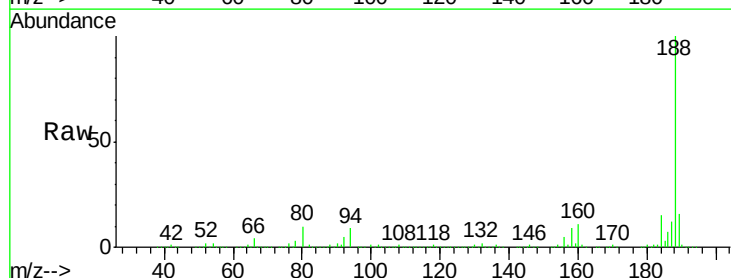
Tgt Ion:188 Resp: 642948

Ion Ratio Lower Upper

188 100

94 9.1 9.0 13.4

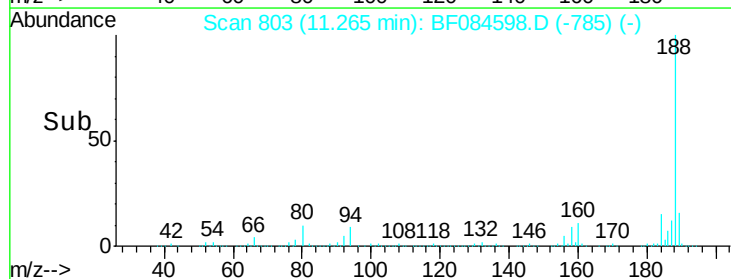
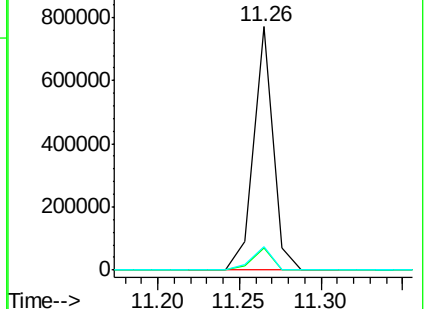
80 9.9 9.6 14.4

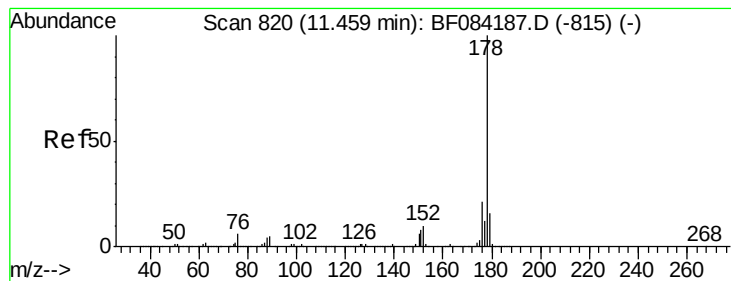


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 2.46 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.09 min

Lab File: BF084598.D

Acq: 22 Jan 2016 19:18

Instrument :

BNA_F

ClientSampleId :

S-1

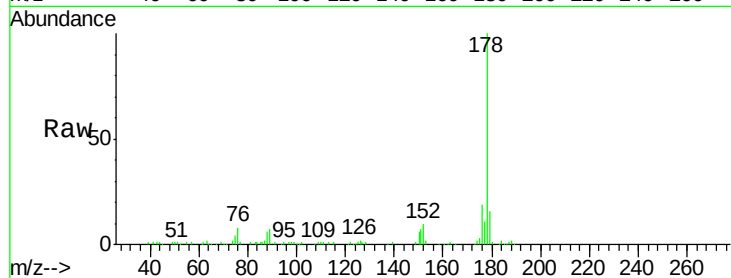
Tgt Ion:178 Resp: 82713

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

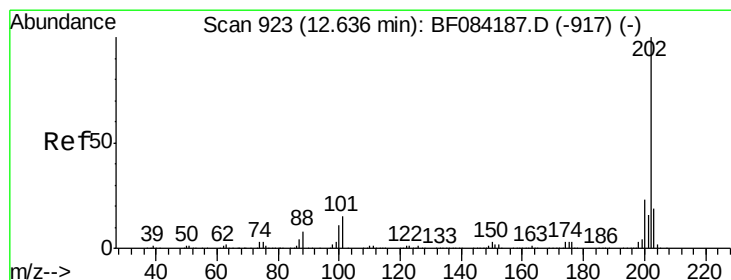
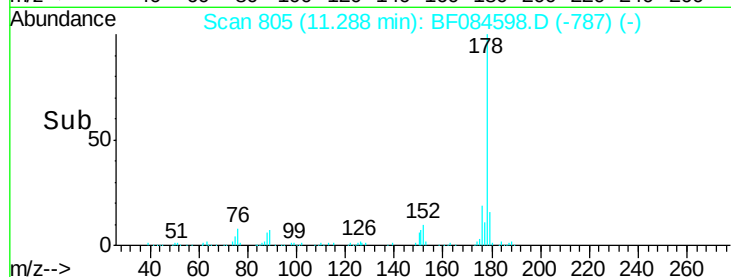
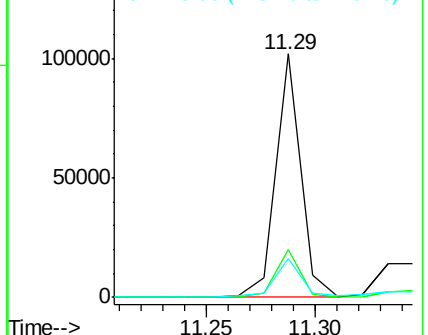
179 15.9 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 3.14 ng

RT: 12.48 min Scan# 909

Delta R.T. -0.09 min

Lab File: BF084598.D

Acq: 22 Jan 2016 19:18

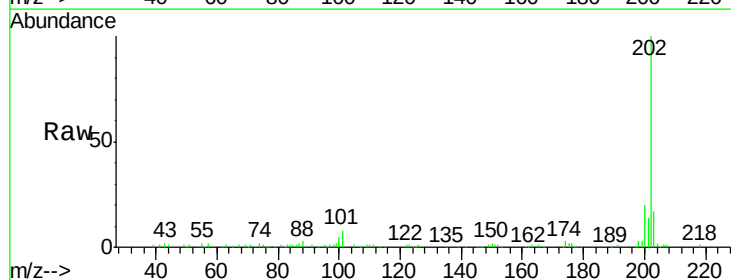
Tgt Ion:202 Resp: 110256

Ion Ratio Lower Upper

202 100

101 7.5 0.0 32.8

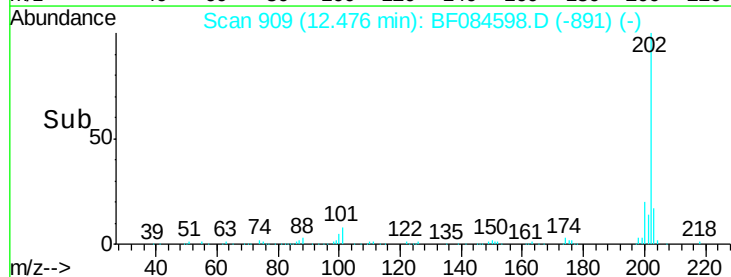
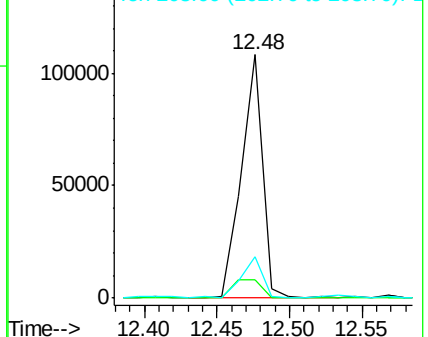
203 16.8 0.0 37.9

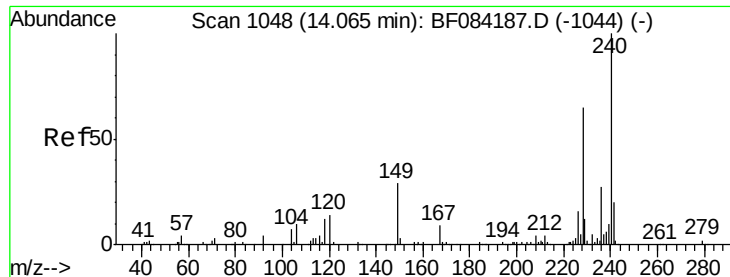


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.10 min

Lab File: BF084598.D

Acq: 22 Jan 2016 19:18

Instrument :

BNA_F

ClientSampleId :

S-1

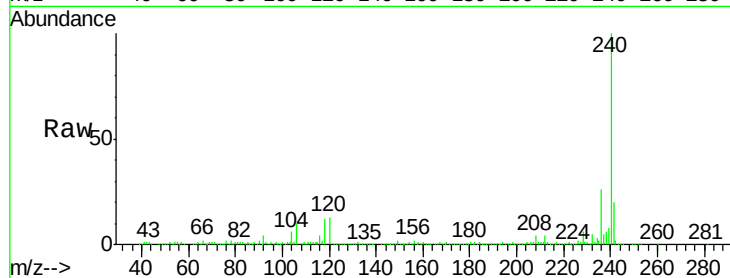
Tgt Ion:240 Resp: 423613

Ion Ratio Lower Upper

240 100

120 13.2 9.5 14.3

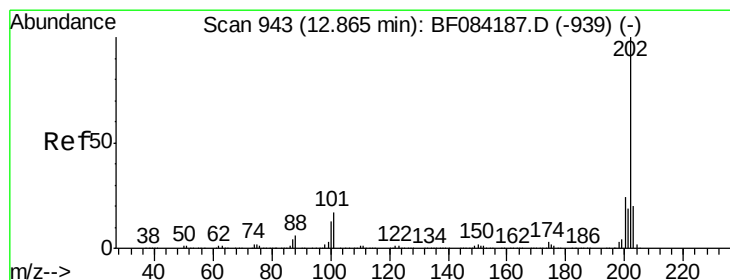
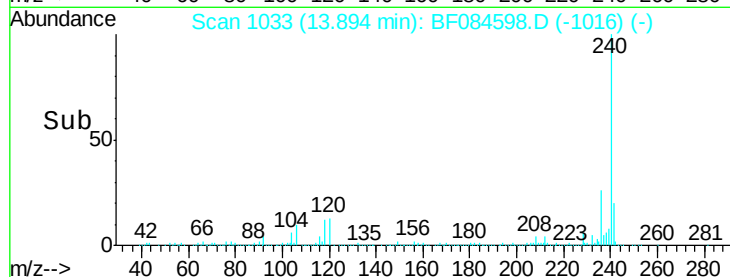
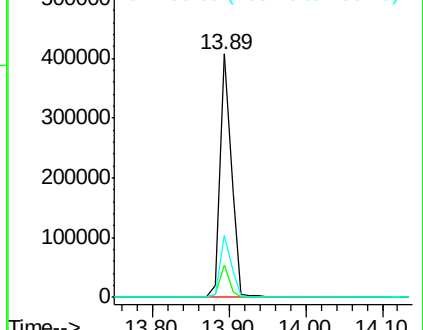
236 25.6 20.6 31.0



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

Pyrene

Concen: 3.02 ng

RT: 12.70 min Scan# 929

Delta R.T. -0.09 min

Lab File: BF084598.D

Acq: 22 Jan 2016 19:18

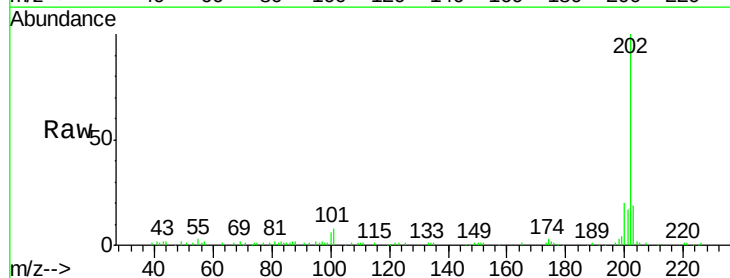
Tgt Ion:202 Resp: 100351

Ion Ratio Lower Upper

202 100

200 19.9 17.2 25.8

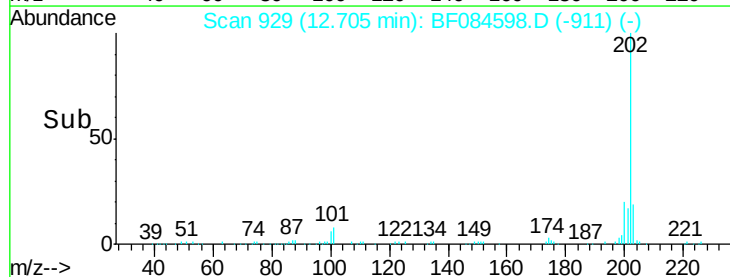
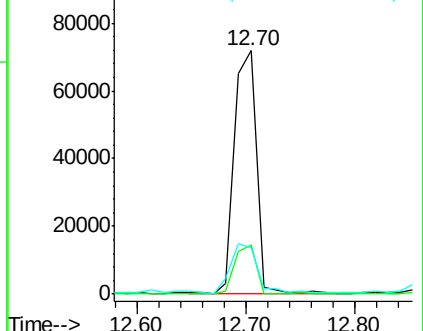
203 19.0 14.3 21.5

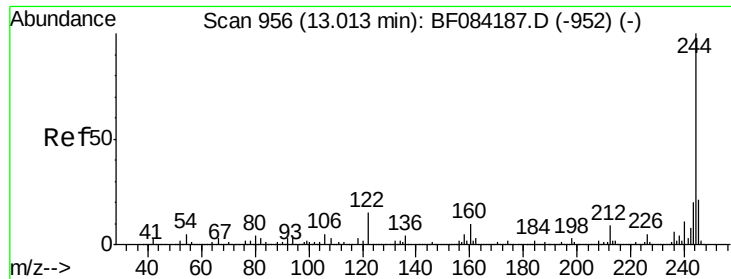


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 8.31 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.09 min

Lab File: BF084598.D

Acq: 22 Jan 2016 19:18

Instrument :

BNA_F

ClientSampleId :

S-1

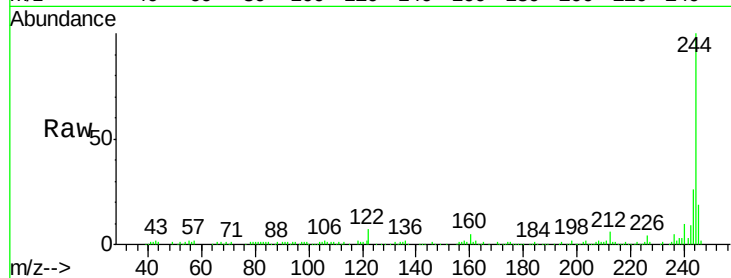
Tgt Ion:244 Resp: 157640

Ion Ratio Lower Upper

244 100

212 6.3 5.7 8.5

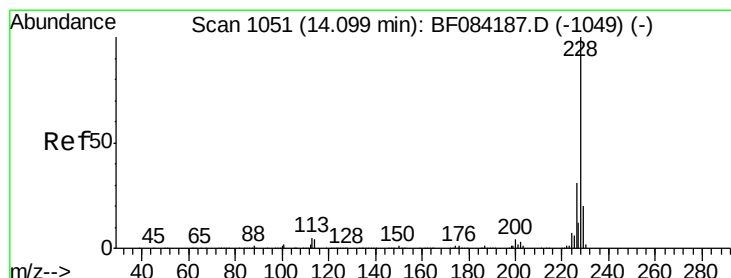
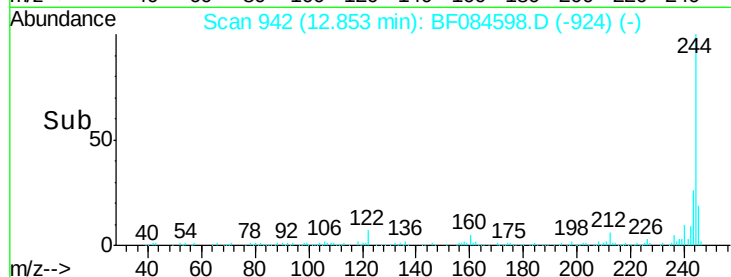
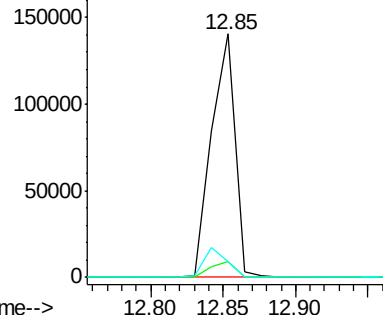
122 6.6 7.4 11.0#



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



#82

Chrysene

Concen: 2.03 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.14 min

Lab File: BF084598.D

Acq: 22 Jan 2016 19:18

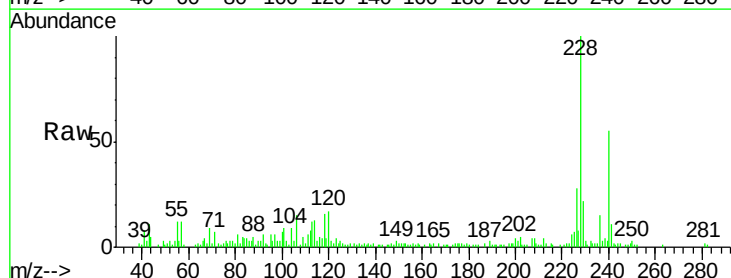
Tgt Ion:228 Resp: 48406

Ion Ratio Lower Upper

228 100

226 27.5 24.3 36.5

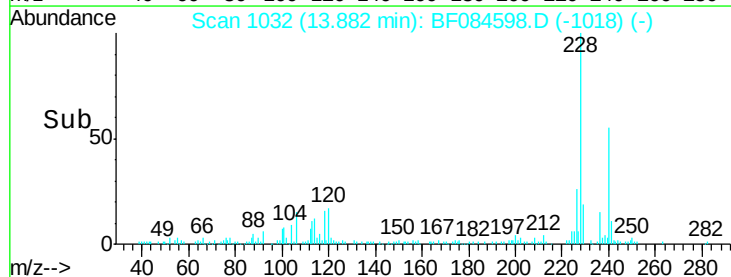
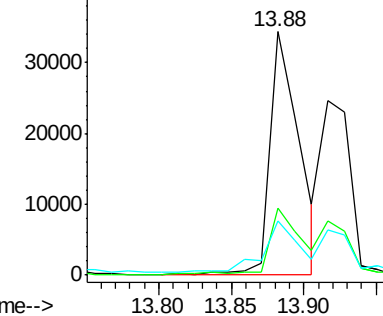
229 22.2 16.1 24.1

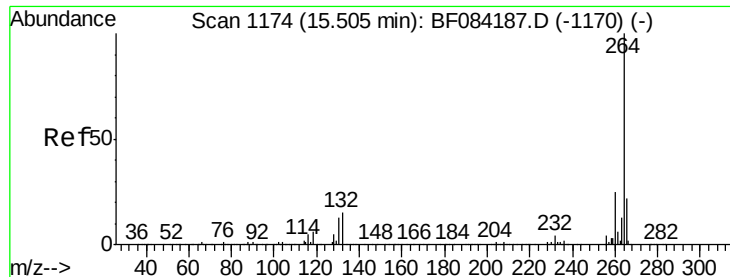


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

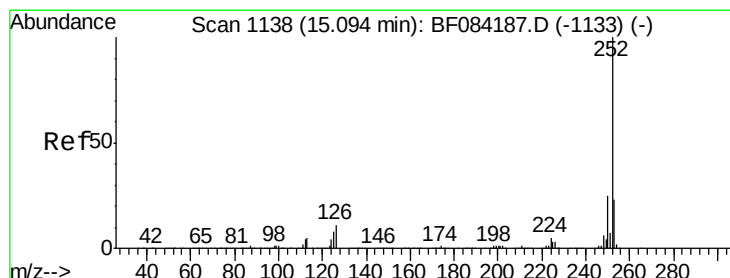
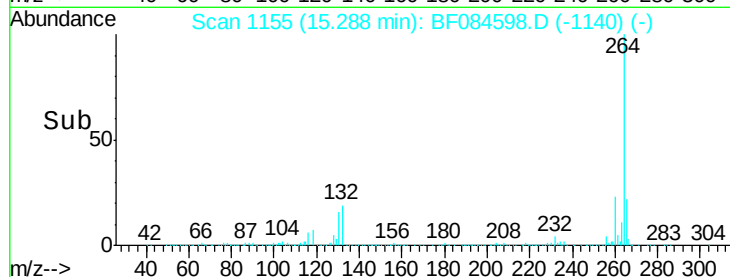
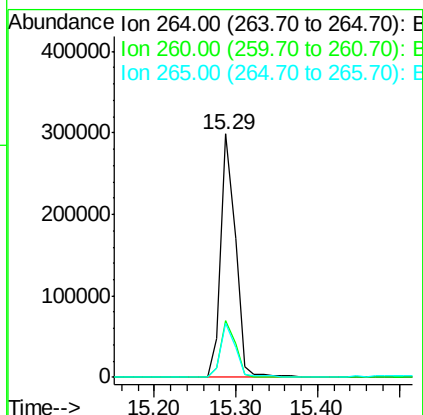
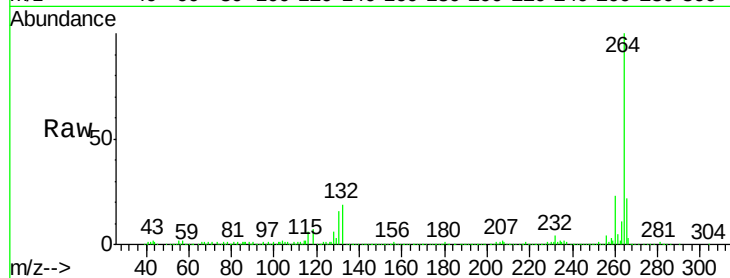




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.13 min
Lab File: BF084598.D
Acq: 22 Jan 2016 19:18

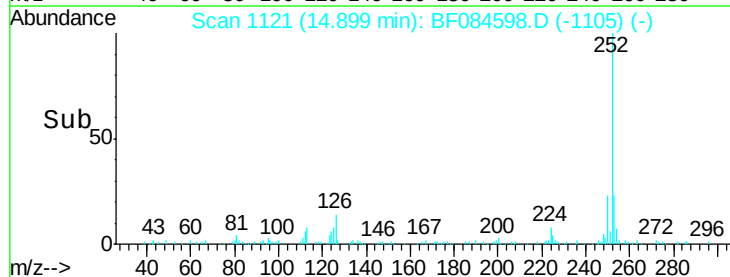
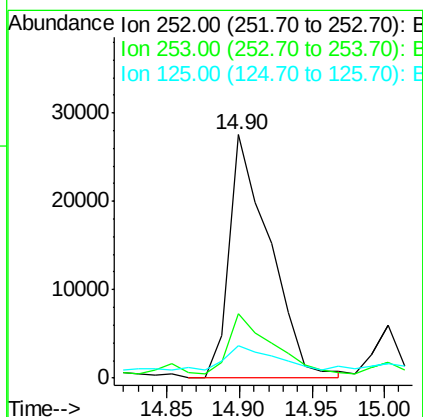
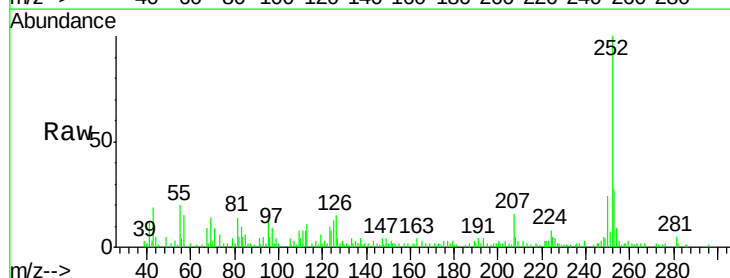
Instrument :
BNA_F
ClientSampleId :
S-1

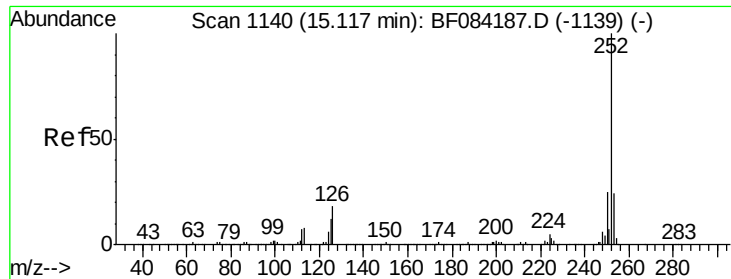
Tgt Ion:264 Resp: 374849
Ion Ratio Lower Upper
264 100
260 23.5 19.4 29.2
265 22.0 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 2.18 ng
RT: 14.90 min Scan# 1121
Delta R.T. -0.11 min
Lab File: BF084598.D
Acq: 22 Jan 2016 19:18

Tgt Ion:252 Resp: 53465
Ion Ratio Lower Upper
252 100
253 26.7 17.3 25.9#
125 13.3 6.5 9.7#

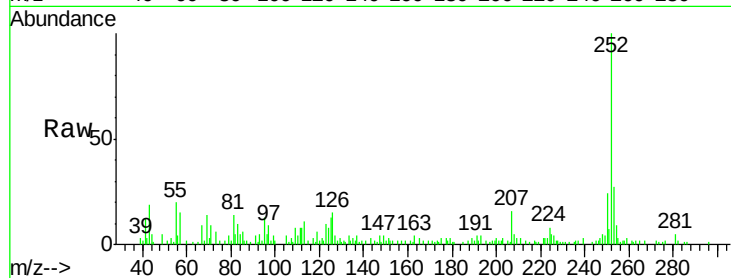




#88
 Benzo(k)fluoranthene
 Concen: 2.67 ng
 RT: 14.90 min Scan# 1121
 Delta R.T. -0.14 min
 Lab File: BF084598.D
 Acq: 22 Jan 2016 19:18

Instrument :
 BNA_F
 ClientSampleId :
 S-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.1	27.1
125	13.3	9.0	13.6



Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 253.00 (252.70 to 253.70): E
 Ion 125.00 (124.70 to 125.70): E

