

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
 Data File : BF083924.D
 Acq On : 18 Dec 2015 20:26
 Operator : UM/SJ
 Sample : G4820-01 20X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9876

Quant Time: Dec 19 04:18:14 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 14:23:22 2015
 Response via : Initial Calibration

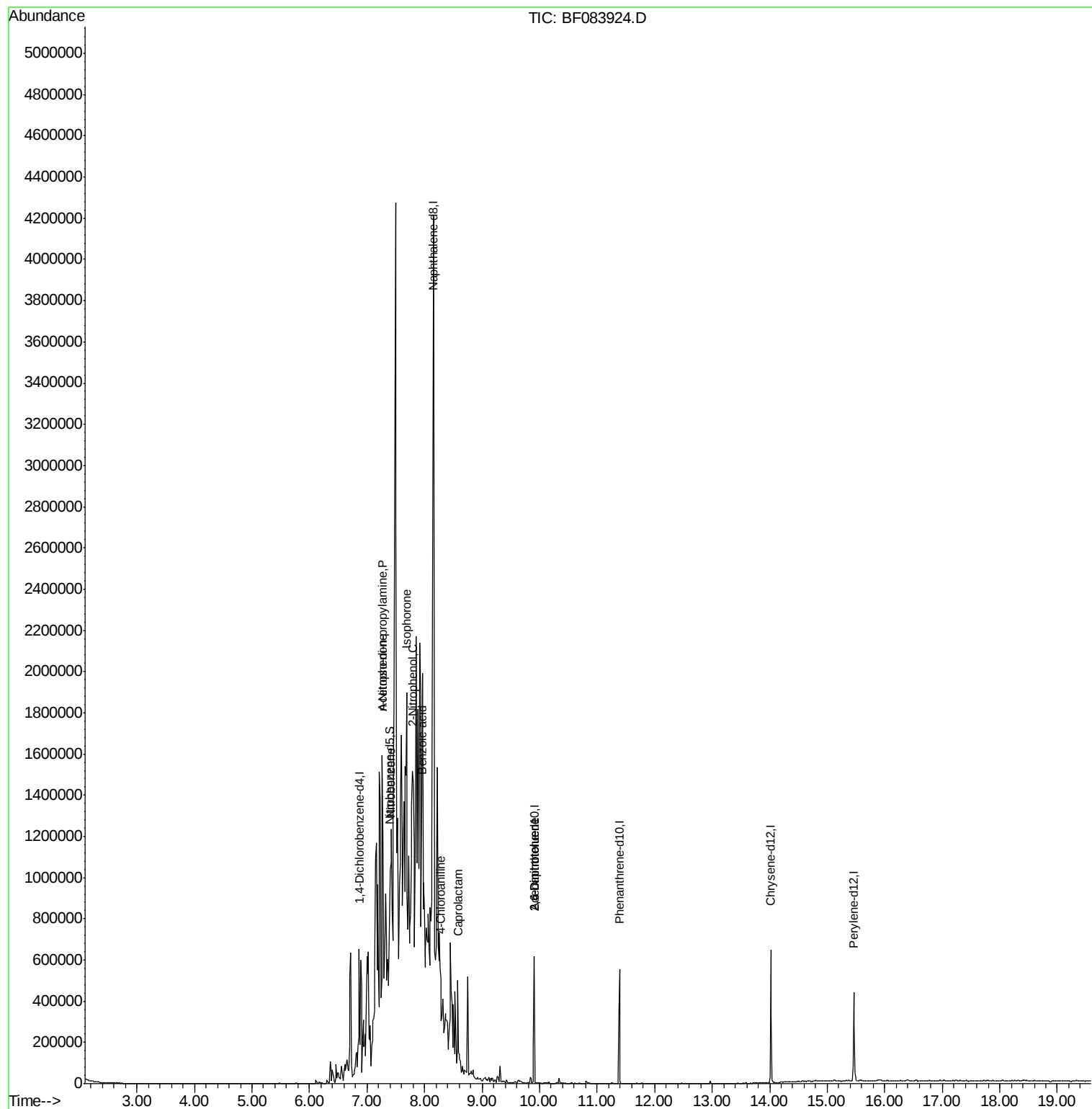
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	67392	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	160095	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	121515	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	255928	20.00	ng	0.00
75) Chrysene-d12	14.02	240	258305	20.00	ng	-0.01
86) Perylene-d12	15.46	264	206542	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	2130	0.49	ng	0.00
7) Phenol-d6	6.51	99	5086	0.96	ng	0.00
23) Nitrobenzene-d5	7.40	82	16363	5.83	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	649	0.48	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	4872	-1.00	ng	-0.02
78) Terphenyl-d14	12.97	244	5394	-6.24	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	15685	5.10	ng	# 27
22) Acetophenone	7.26	105	12626	3.28	ng	# 1
24) Nitrobenzene	7.41	77	10205	3.52	ng	# 62
25) Isophorone	7.69	82	88502	16.77	ng	# 1
26) 2-Nitrophenol	7.79	139	8396	5.59	ng	# 1
31) Naphthalene	8.18	128	14907	Below Cal	#	76
32) Benzoic acid	7.95	122	5960	9.83	ng	# 1
33) 4-Chloroaniline	8.28	127	9338	2.57	ng	# 60
35) Caprolactam	8.58	113	9283	11.97	ng	# 1
36) 4-Chloro-3-methylphenol	8.70	107	2409	Below Cal	#	20
45) 1,1'-Biphenyl	9.32	154	1748	Below Cal	#	88
50) 2,6-Dinitrotoluene	9.90	165	15468	6.95	ng	# 37
56) 2,4-Dinitrotoluene	9.90	165	15468	5.43	ng	# 21

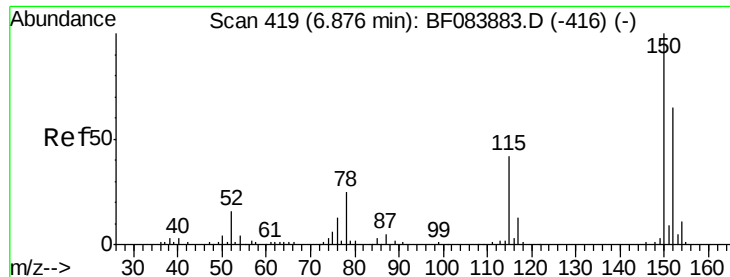
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF083924.D

Acq: 18 Dec 2015 20:26

Instrument :

BNA_F

ClientSampleId :

LAR-9876

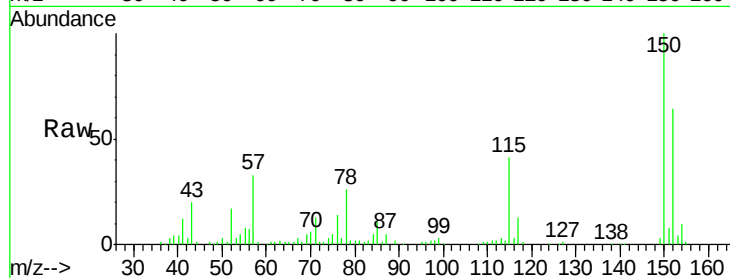
Tgt Ion:152 Resp: 67392

Ion Ratio Lower Upper

152 100

150 157.1 123.0 184.4

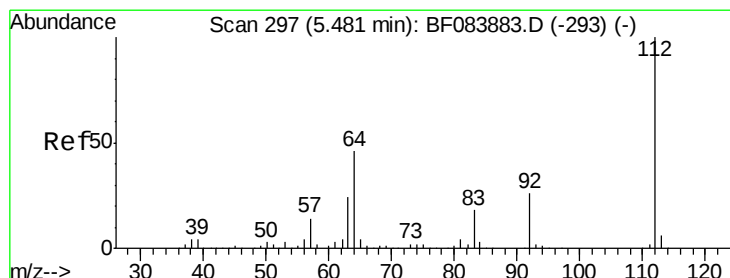
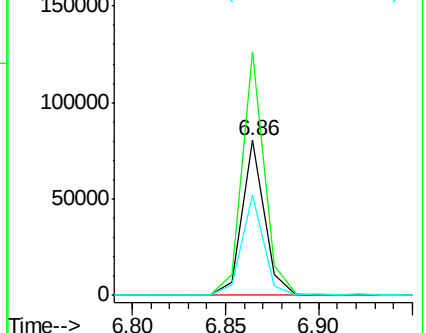
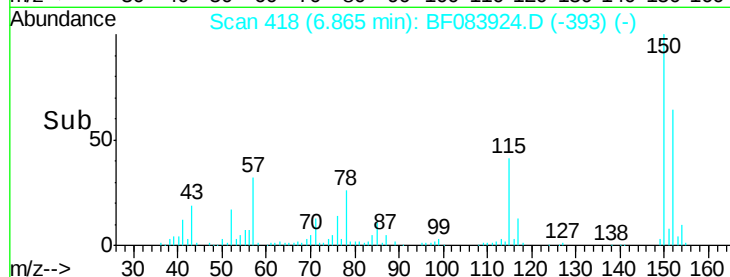
115 64.6 51.4 77.2



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: 0.49 ng

RT: 5.48 min Scan# 297

Delta R.T. 0.00 min

Lab File: BF083924.D

Acq: 18 Dec 2015 20:26

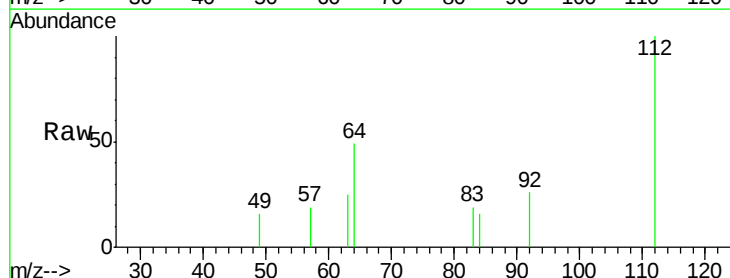
Tgt Ion:112 Resp: 2130

Ion Ratio Lower Upper

112 100

64 49.2 36.6 55.0

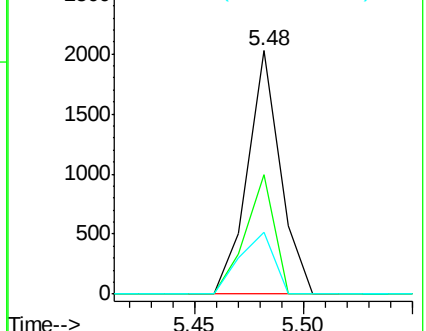
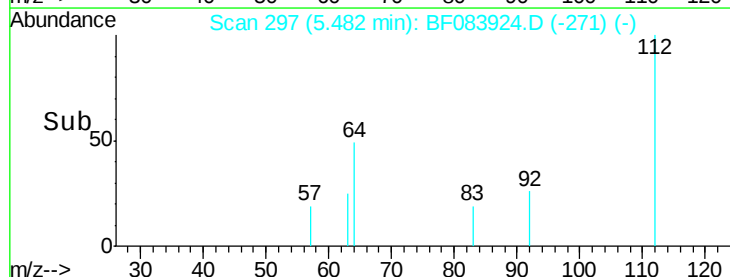
63 25.4 19.4 29.0

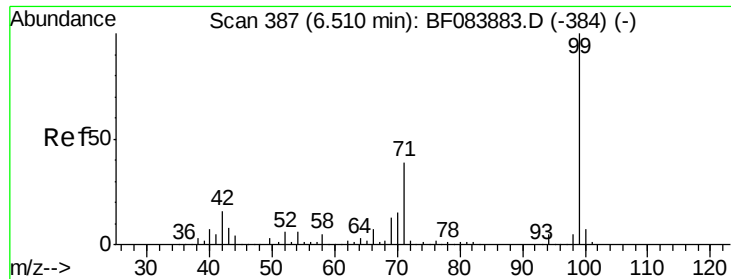


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 0.96 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF083924.D

Acq: 18 Dec 2015 20:26

Instrument :

BNA_F

ClientSampled :

LAR-9876

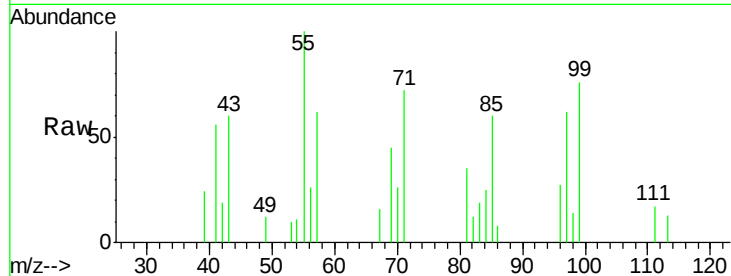
Tgt Ion: 99 Resp: 5086

Ion Ratio Lower Upper

99 100

42 24.4 12.8 19.2#

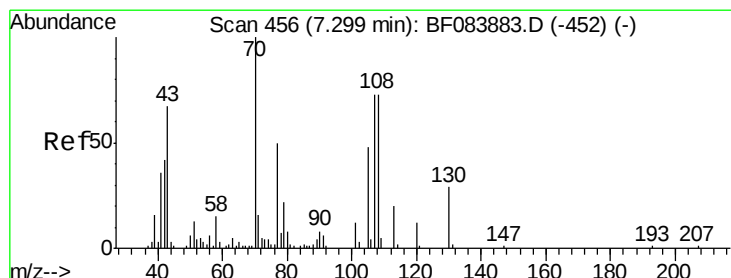
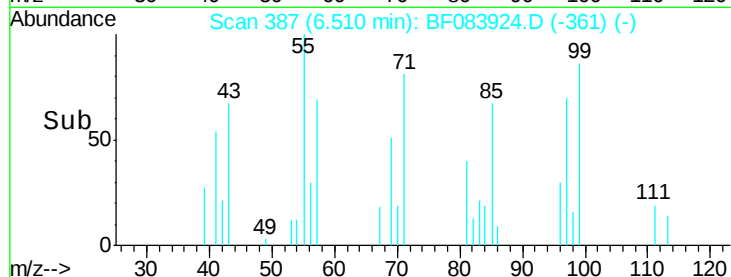
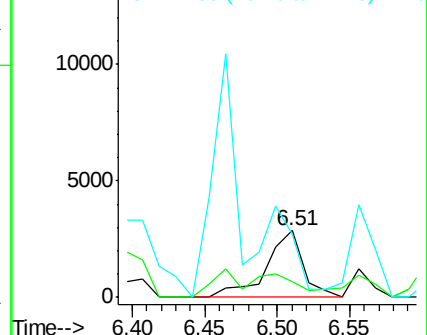
71 94.3 30.9 46.3#



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: 5.10 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.03 min

Lab File: BF083924.D

Acq: 18 Dec 2015 20:26

Tgt Ion: 70 Resp: 15685

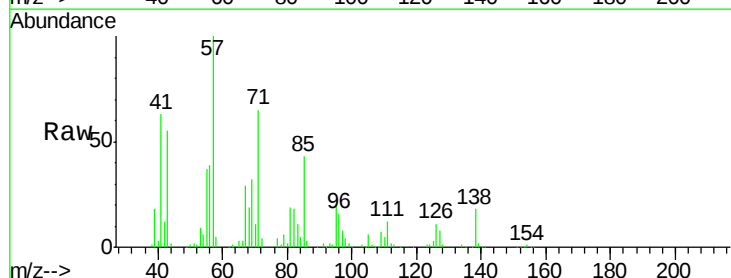
Ion Ratio Lower Upper

70 100

42 103.3 33.3 49.9#

101 0.0 9.3 13.9#

130 0.0 23.4 35.0#

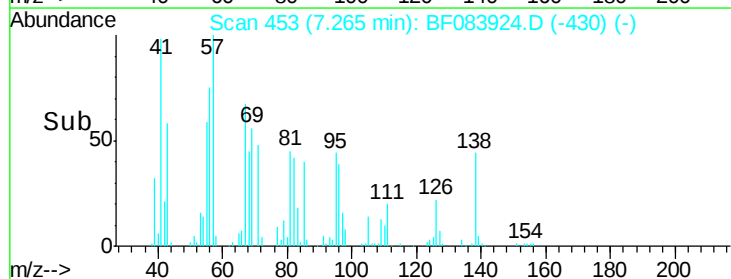
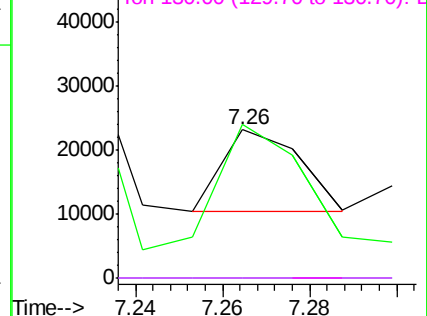


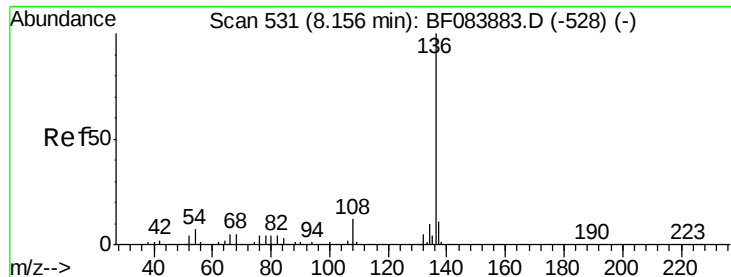
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

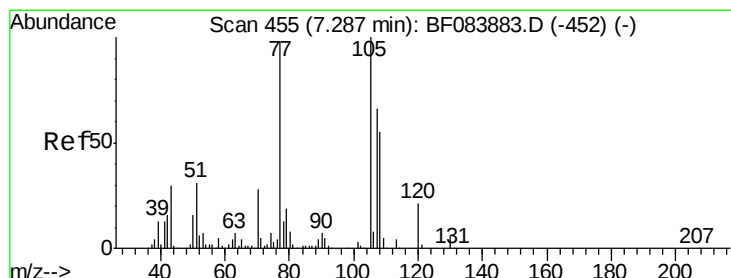
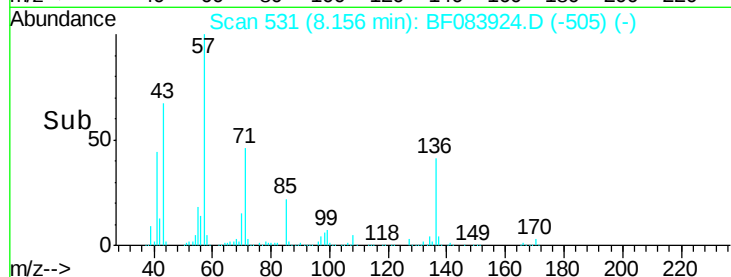
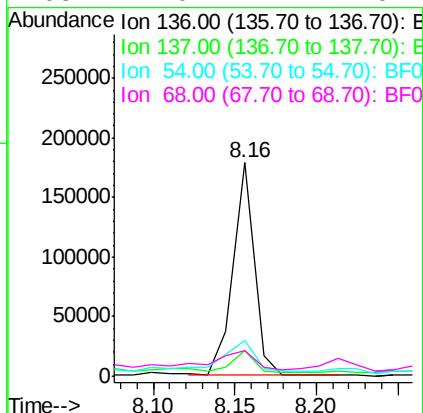
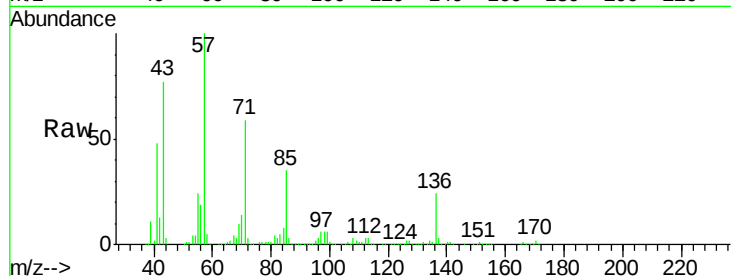




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. 0.00 min
Lab File: BF083924.D
Acq: 18 Dec 2015 20:26

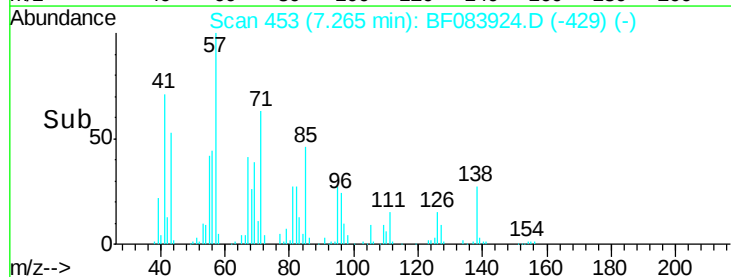
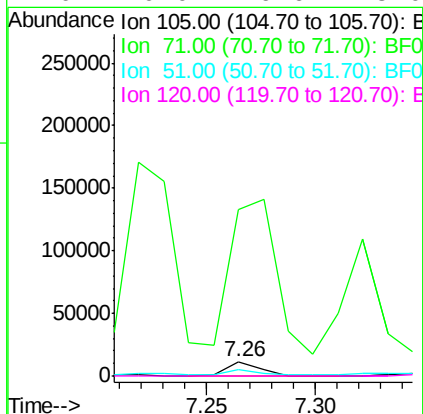
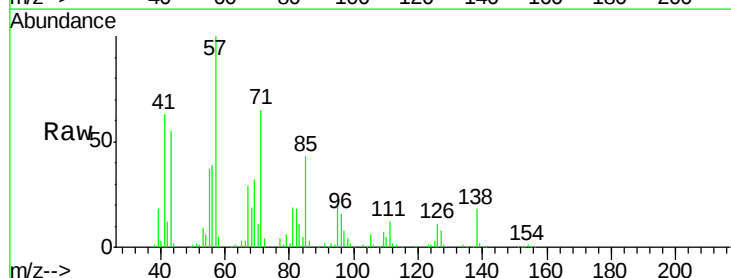
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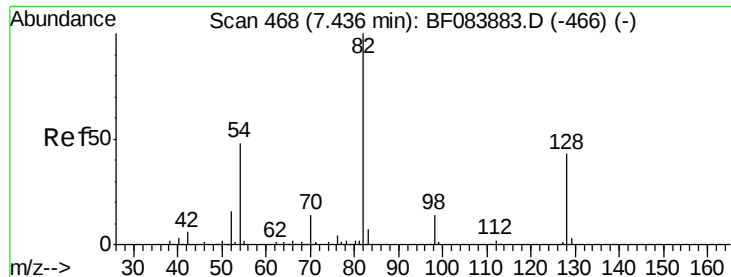
Tgt Ion:	136	Resp:	160095
Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.7	13.1
54	16.9	5.8	8.8#
68	12.0	4.2	6.2#



#22
Acetophenone
Concen: 3.28 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.02 min
Lab File: BF083924.D
Acq: 18 Dec 2015 20:26

Tgt Ion:	105	Resp:	12626
Ion	Ratio	Lower	Upper
105	100		
71	1136.0	3.7	5.5#
51	41.2	25.1	37.7#
120	0.0	16.6	25.0#

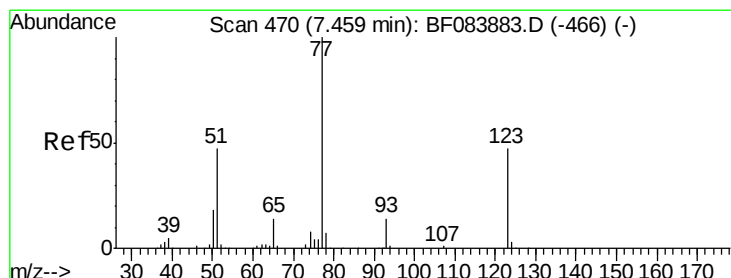
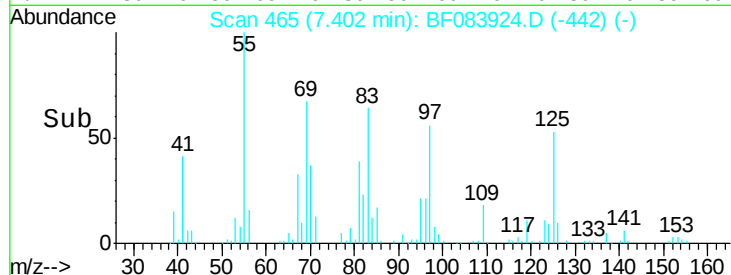
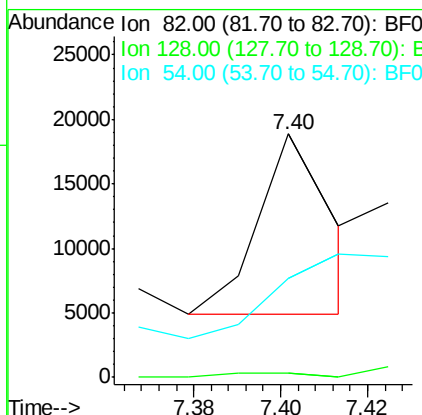
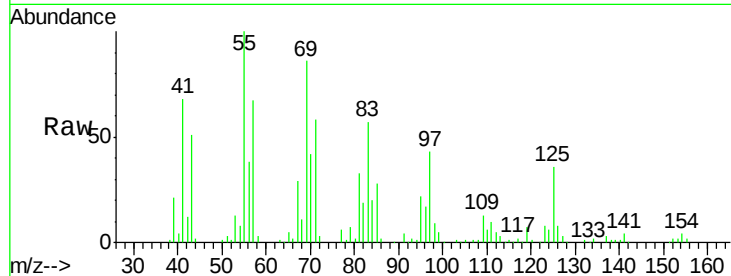




#23
Nitrobenzene-d5
Concen: 5.83 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.03 min
Lab File: BF083924.D
Acq: 18 Dec 2015 20:26

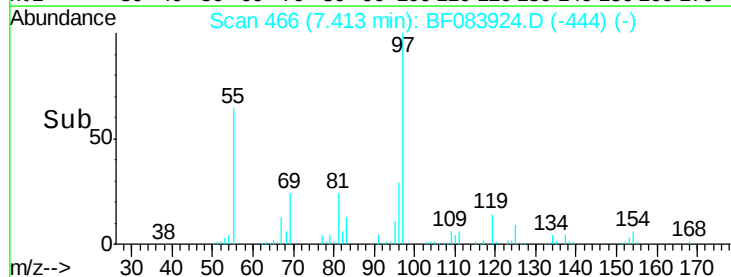
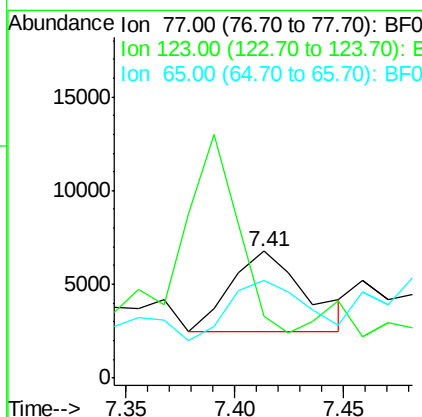
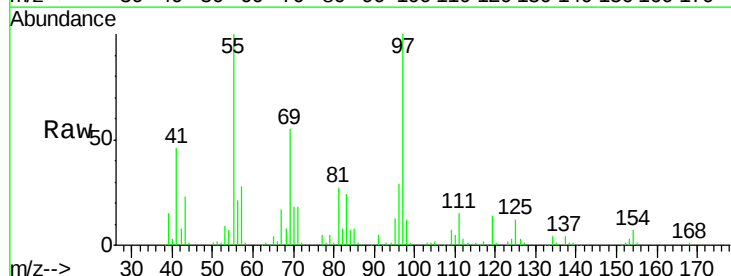
Instrument :
BNA_F
ClientSampled :
LAR-9876

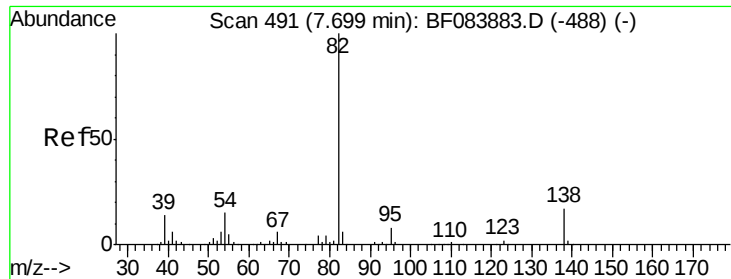
Tgt Ion: 82 Resp: 16363
Ion Ratio Lower Upper
82 100
128 1.8 34.6 51.8#
54 40.5 38.4 57.6



#24
Nitrobenzene
Concen: 3.52 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.05 min
Lab File: BF083924.D
Acq: 18 Dec 2015 20:26

Tgt Ion: 77 Resp: 10205
Ion Ratio Lower Upper
77 100
123 49.2 37.4 56.2
65 77.4 10.9 16.3#

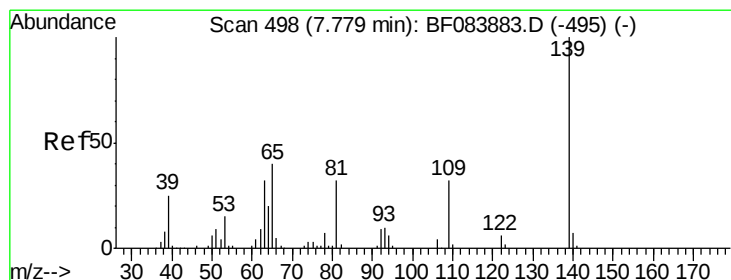
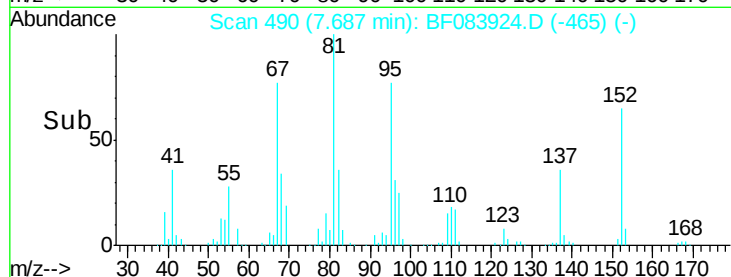
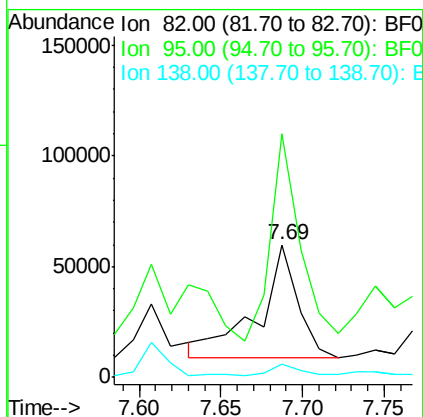
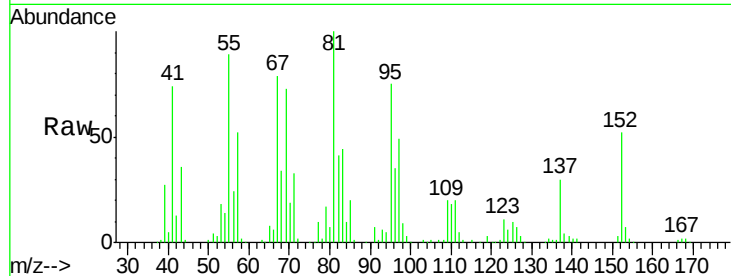




#25
Isophorone
Concen: 16.77 ng
RT: 7.69 min Scan# 490
Delta R.T. -0.01 min
Lab File: BF083924.D
Acq: 18 Dec 2015 20:26

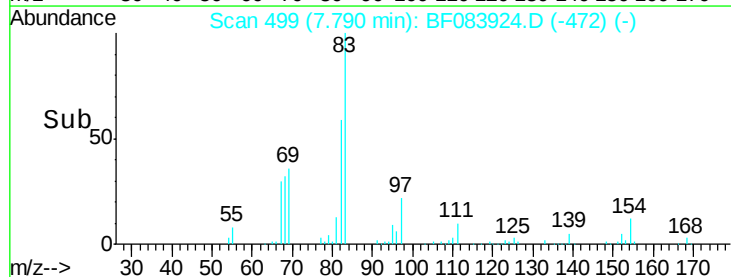
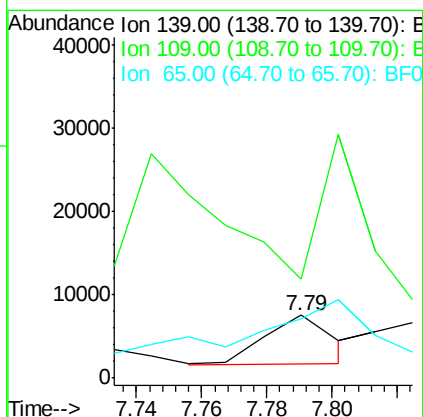
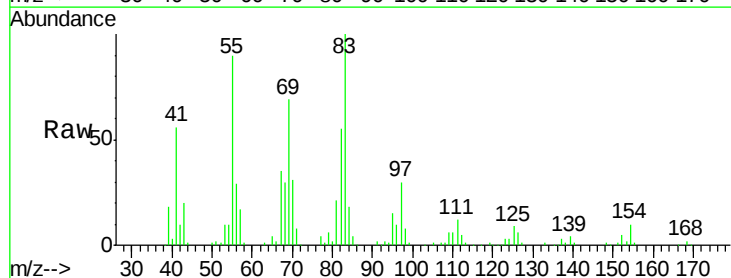
Instrument :
BNA_F
ClientSampled :
LAR-9876

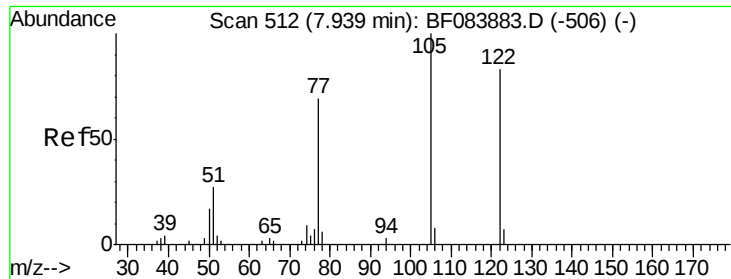
Tgt Ion: 82 Resp: 88502
Ion Ratio Lower Upper
82 100
95 184.0 6.6 10.0#
138 9.7 13.6 20.4#



#26
2-Nitrophenol
Concen: 5.59 ng
RT: 7.79 min Scan# 499
Delta R.T. 0.01 min
Lab File: BF083924.D
Acq: 18 Dec 2015 20:26

Tgt Ion: 139 Resp: 8396
Ion Ratio Lower Upper
139 100
109 158.7 25.4 38.2#
65 95.5 32.3 48.5#





#32

Benzoic acid

Concen: 9.83 ng

RT: 7.95 min Scan# 513

Delta R.T. 0.01 min

Lab File: BF083924.D

Acq: 18 Dec 2015 20:26

Instrument :

BNA_F

ClientSampled :

LAR-9876

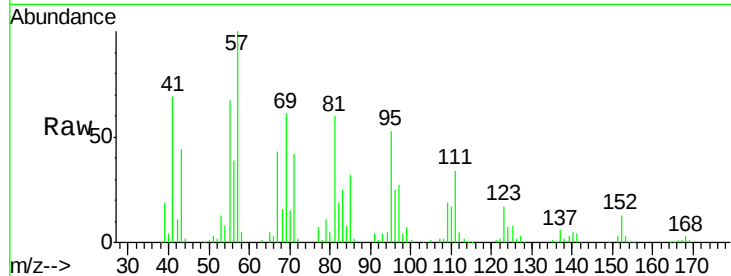
Tgt Ion:122 Resp: 5960

Ion Ratio Lower Upper

122 100

105 28.7 100.3 140.3#

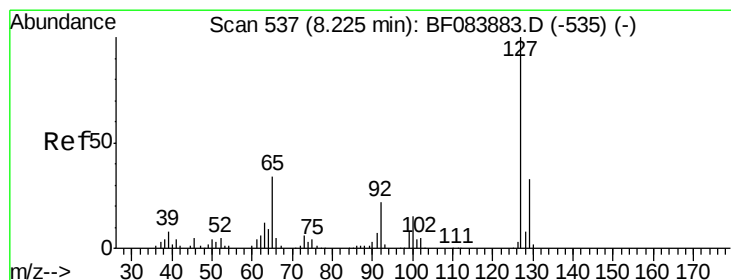
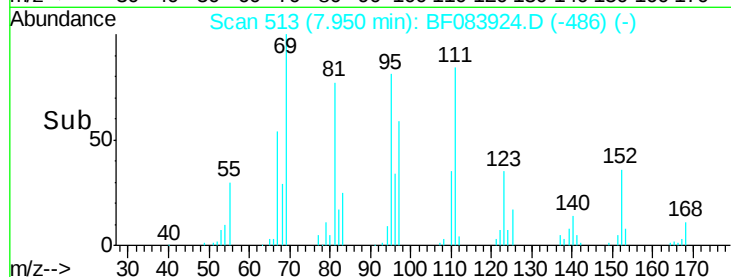
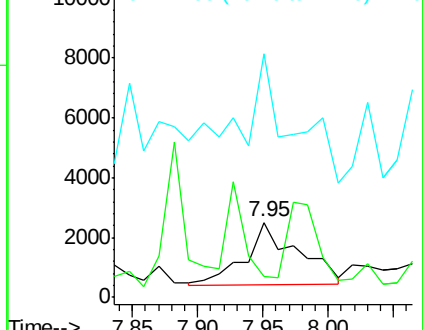
77 325.5 63.5 103.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 2.57 ng

RT: 8.28 min Scan# 542

Delta R.T. 0.06 min

Lab File: BF083924.D

Acq: 18 Dec 2015 20:26

Tgt Ion:127 Resp: 9338

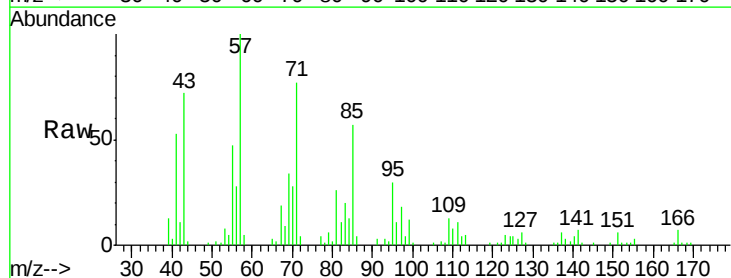
Ion Ratio Lower Upper

127 100

129 0.0 26.5 39.7#

65 43.6 27.2 40.8#

92 0.0 17.7 26.5#

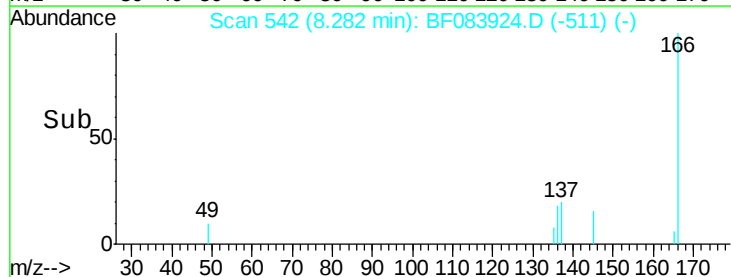
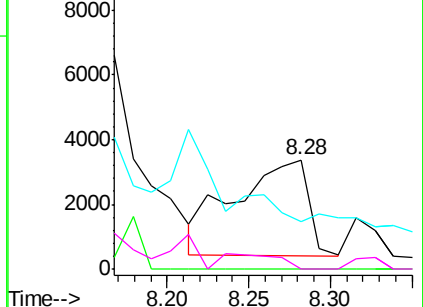


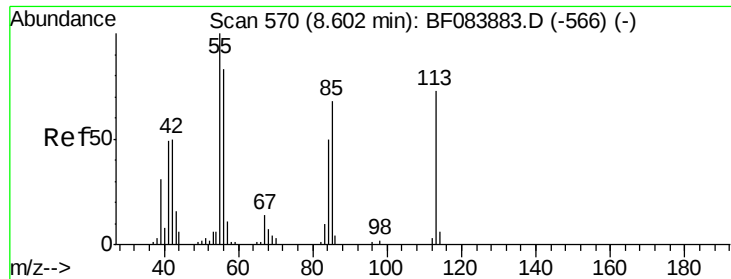
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#35

Caprolactam

Concen: 11.97 ng

RT: 8.58 min Scan# 568

Delta R.T. -0.02 min

Lab File: BF083924.D

Acq: 18 Dec 2015 20:26

Instrument :

BNA_F

ClientSampleId :

LAR-9876

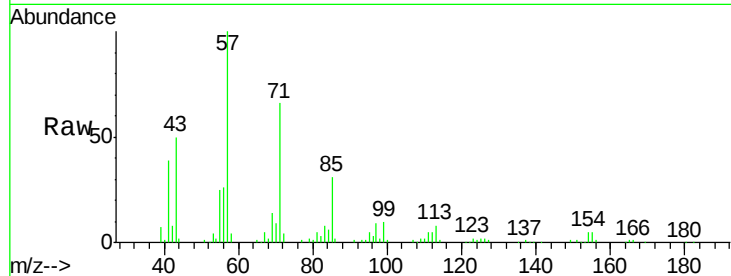
Tgt Ion:113 Resp: 9283

Ion Ratio Lower Upper

113 100

55 304.6 116.9 156.9#

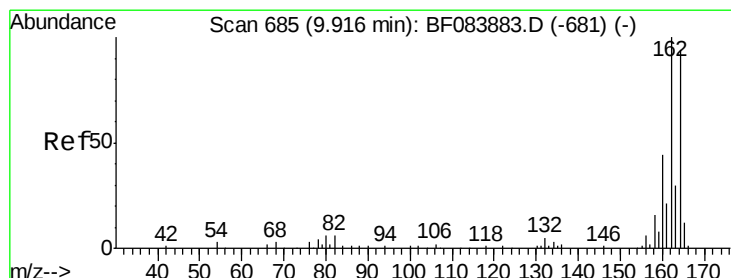
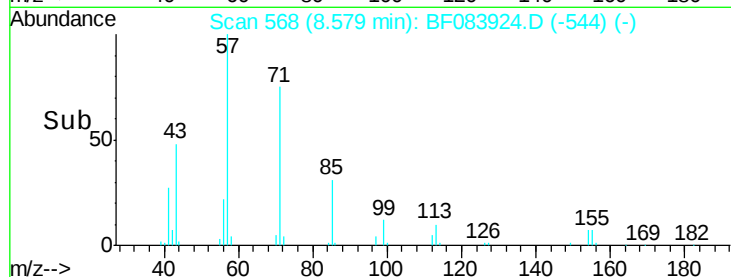
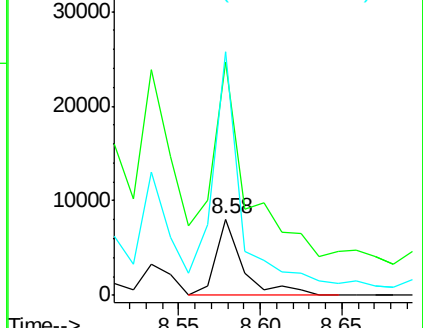
56 318.6 93.8 133.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF083924.D

Acq: 18 Dec 2015 20:26

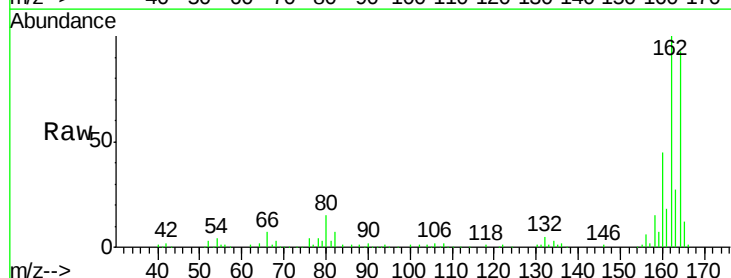
Tgt Ion:164 Resp: 121515

Ion Ratio Lower Upper

164 100

162 107.3 85.1 127.7

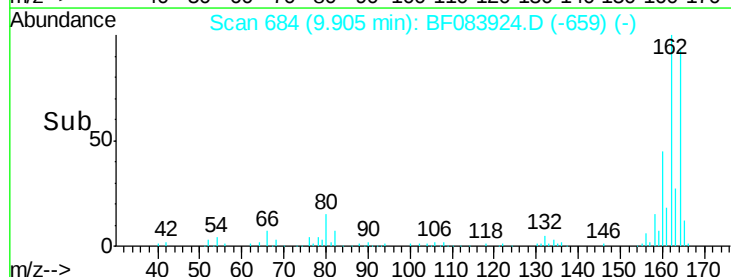
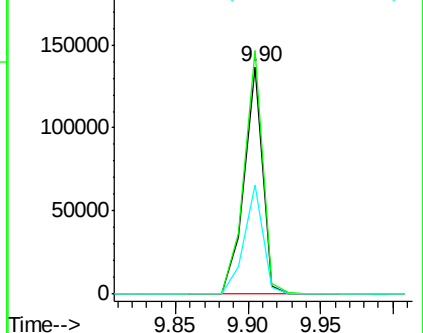
160 48.1 37.5 56.3

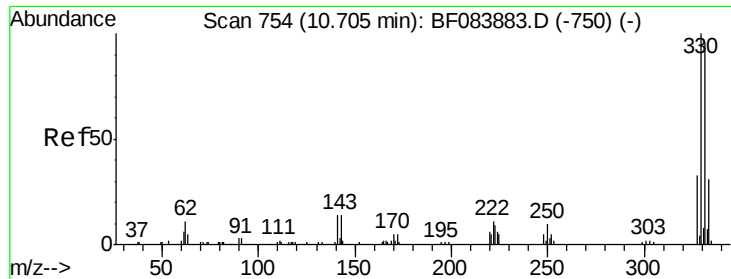


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

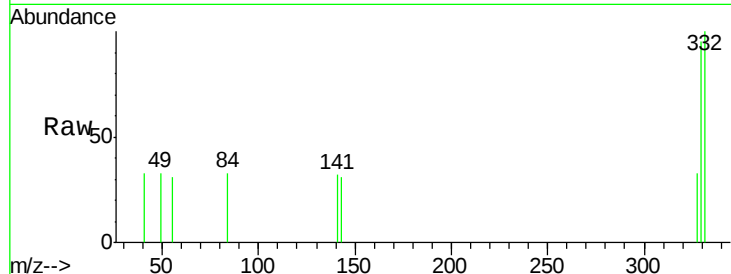




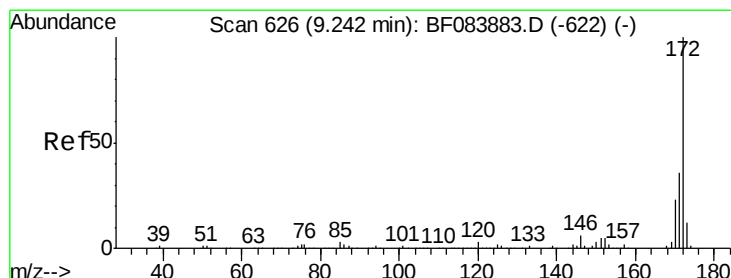
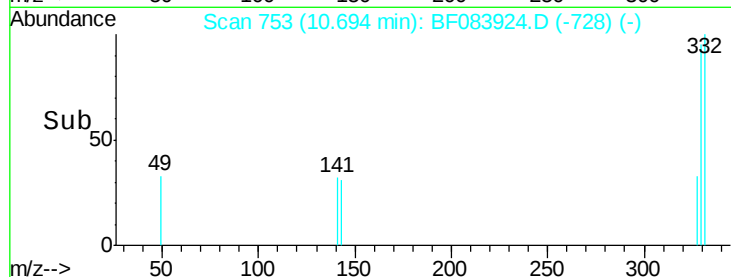
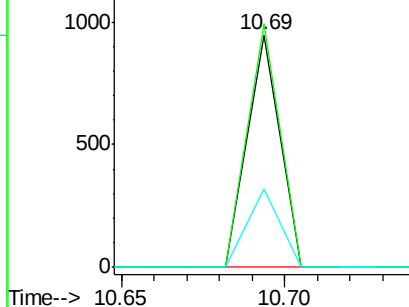
#41
 2,4,6-Tribromophenol
 Concen: 0.48 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: BF083924.D
 Acq: 18 Dec 2015 20:26

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9876

Tgt Ion:330 Resp: 649
 Ion Ratio Lower Upper
 330 100
 332 104.8 76.6 114.8
 141 34.1 27.8 41.6

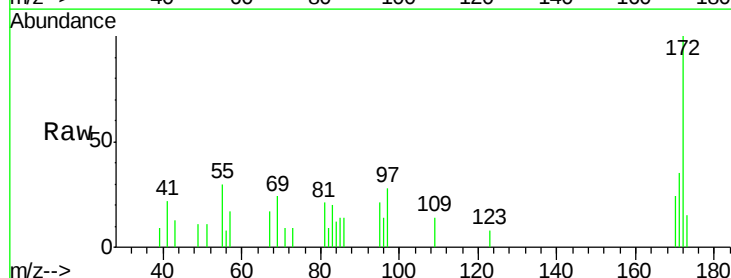


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

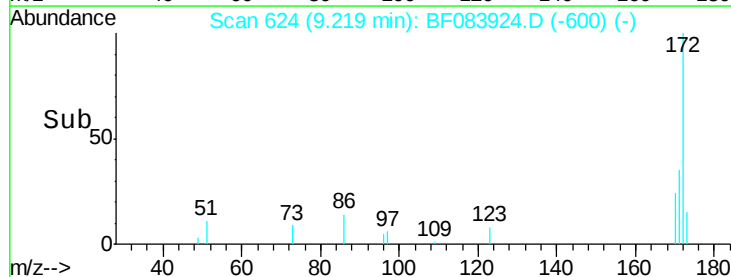
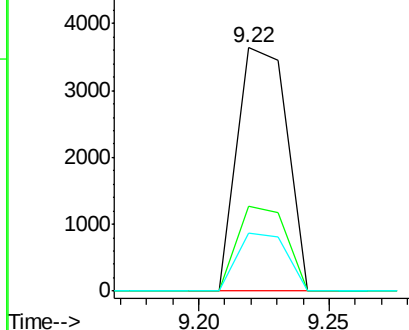


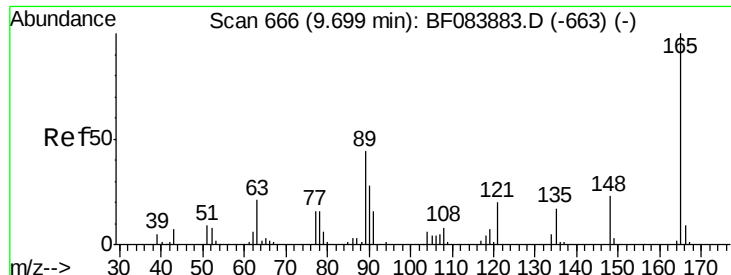
#44
 2-Fluorobiphenyl
 Concen: -1.00 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.02 min
 Lab File: BF083924.D
 Acq: 18 Dec 2015 20:26

Tgt Ion:172 Resp: 4872
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.9 43.3
 170 23.6 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

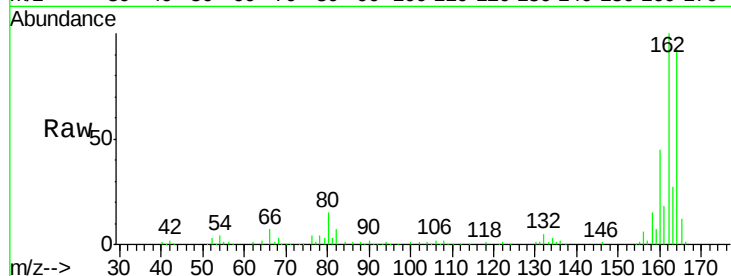




#50
 2,6-Dinitrotoluene
 Concen: 6.95 ng
 RT: 9.90 min Scan# 684
 Delta R.T. 0.21 min
 Lab File: BF083924.D
 Acq: 18 Dec 2015 20:26

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9876

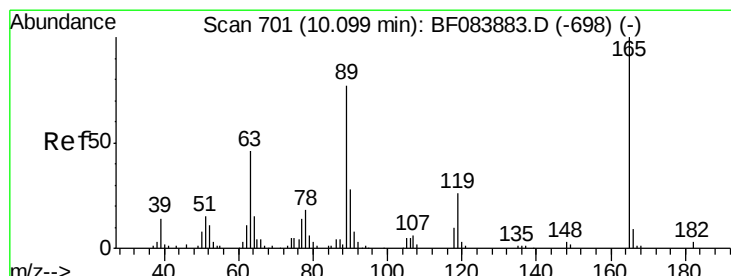
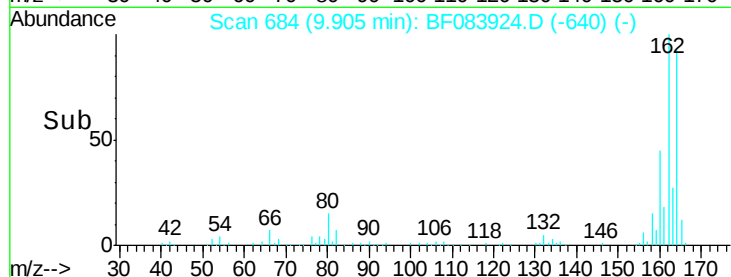
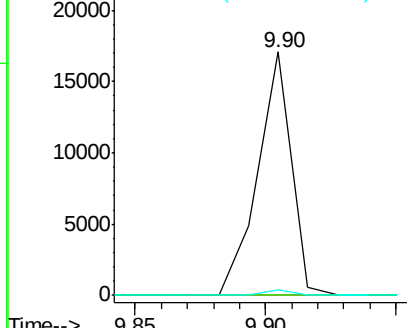
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.8	43.2#
89	2.1	35.1	52.7#



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



#56
 2,4-Dinitrotoluene
 Concen: 5.43 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.19 min
 Lab File: BF083924.D
 Acq: 18 Dec 2015 20:26

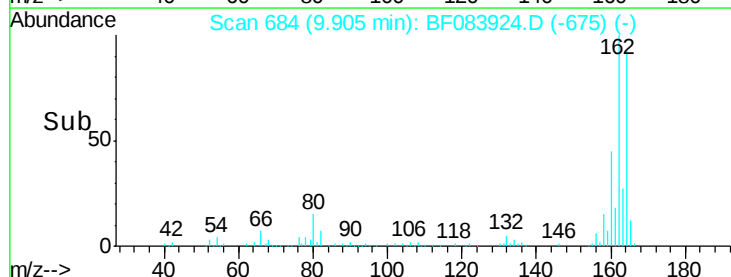
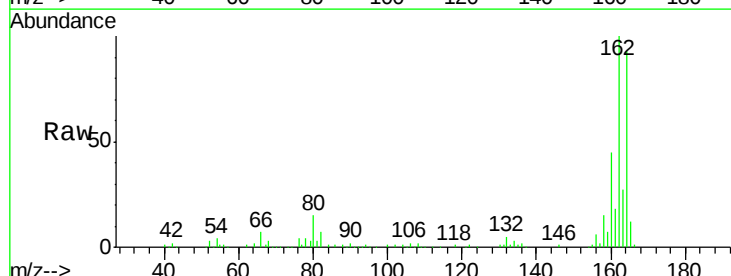
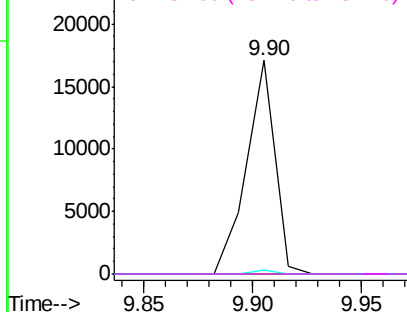
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.7	55.1#
89	2.1	61.9	92.9#
182	0.0	2.0	3.0#

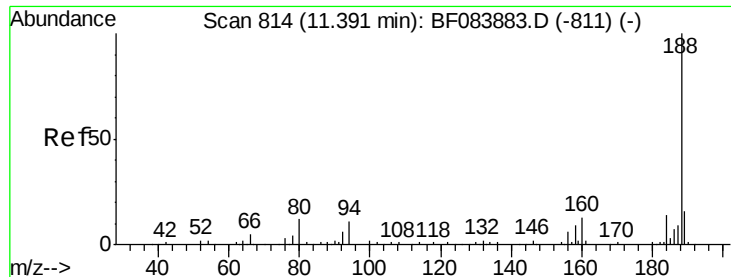
Abundance Ion 165.00 (164.70 to 165.70): E

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

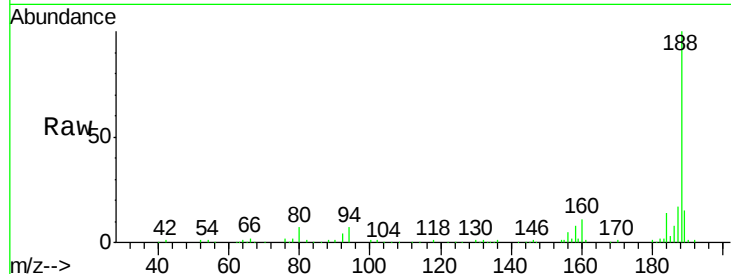




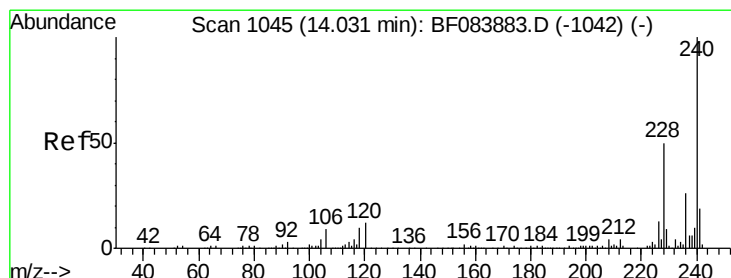
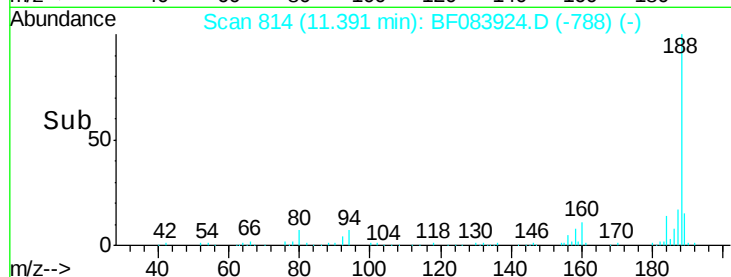
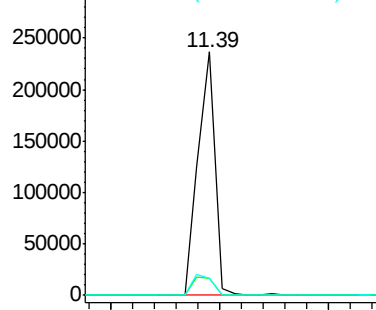
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF083924.D
Acq: 18 Dec 2015 20:26

Instrument :
BNA_F
ClientSampleId :
LAR-9876

Tgt Ion:188 Resp: 255928
Ion Ratio Lower Upper
188 100
94 6.9 9.0 13.4#
80 7.0 9.6 14.4#

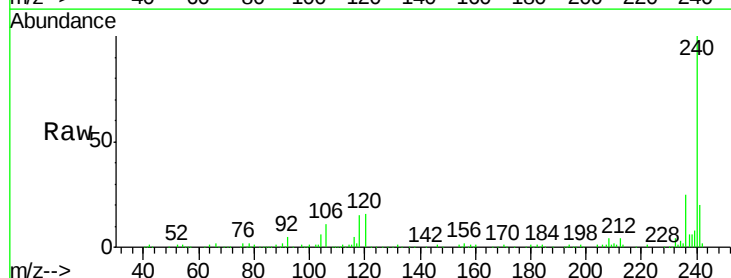


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

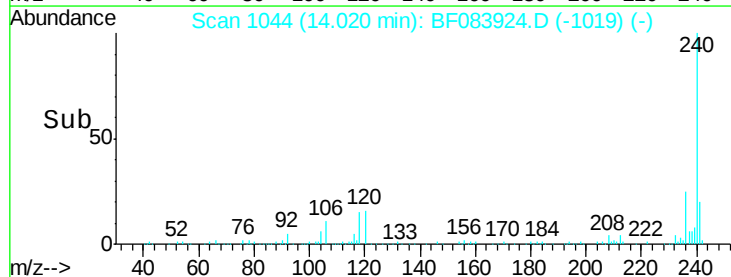
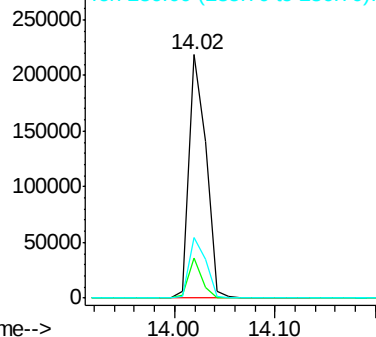


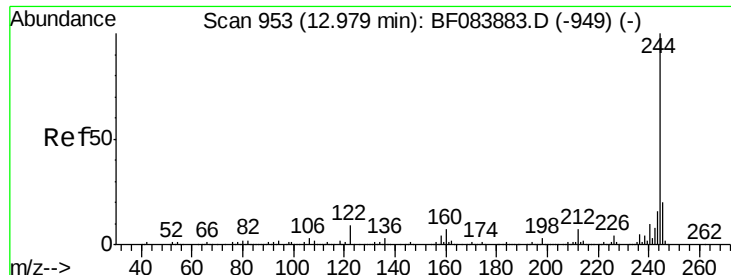
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BF083924.D
Acq: 18 Dec 2015 20:26

Tgt Ion:240 Resp: 258305
Ion Ratio Lower Upper
240 100
120 16.2 9.5 14.3#
236 25.1 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





#78

Terphenyl-d14

Concen: -6.24 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF083924.D

Acq: 18 Dec 2015 20:26

Instrument :

BNA_F

ClientSampleId :

LAR-9876

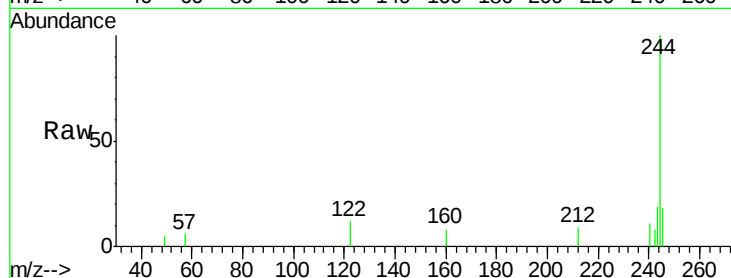
Tgt Ion:244 Resp: 5394

Ion Ratio Lower Upper

244 100

212 8.7 5.7 8.5#

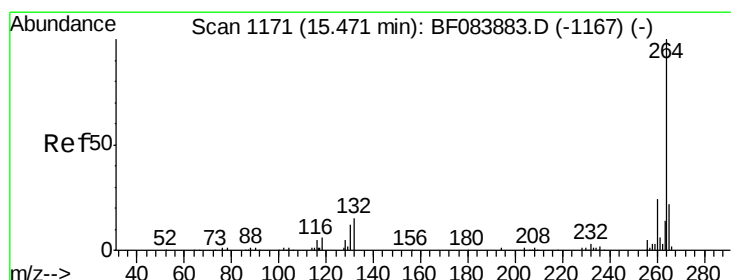
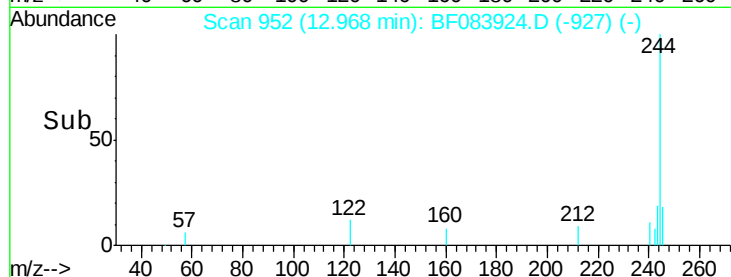
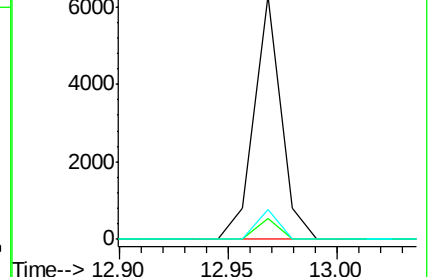
122 12.5 7.4 11.0#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.46 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF083924.D

Acq: 18 Dec 2015 20:26

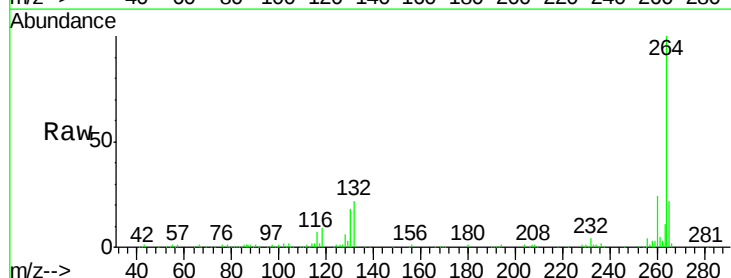
Tgt Ion:264 Resp: 206542

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.2

265 22.0 17.8 26.6



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

