

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
 Data File : BF083926.D
 Acq On : 18 Dec 2015 21:21
 Operator : UM/SJ
 Sample : G4822-01 20X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9878

Quant Time: Dec 19 04:18:35 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

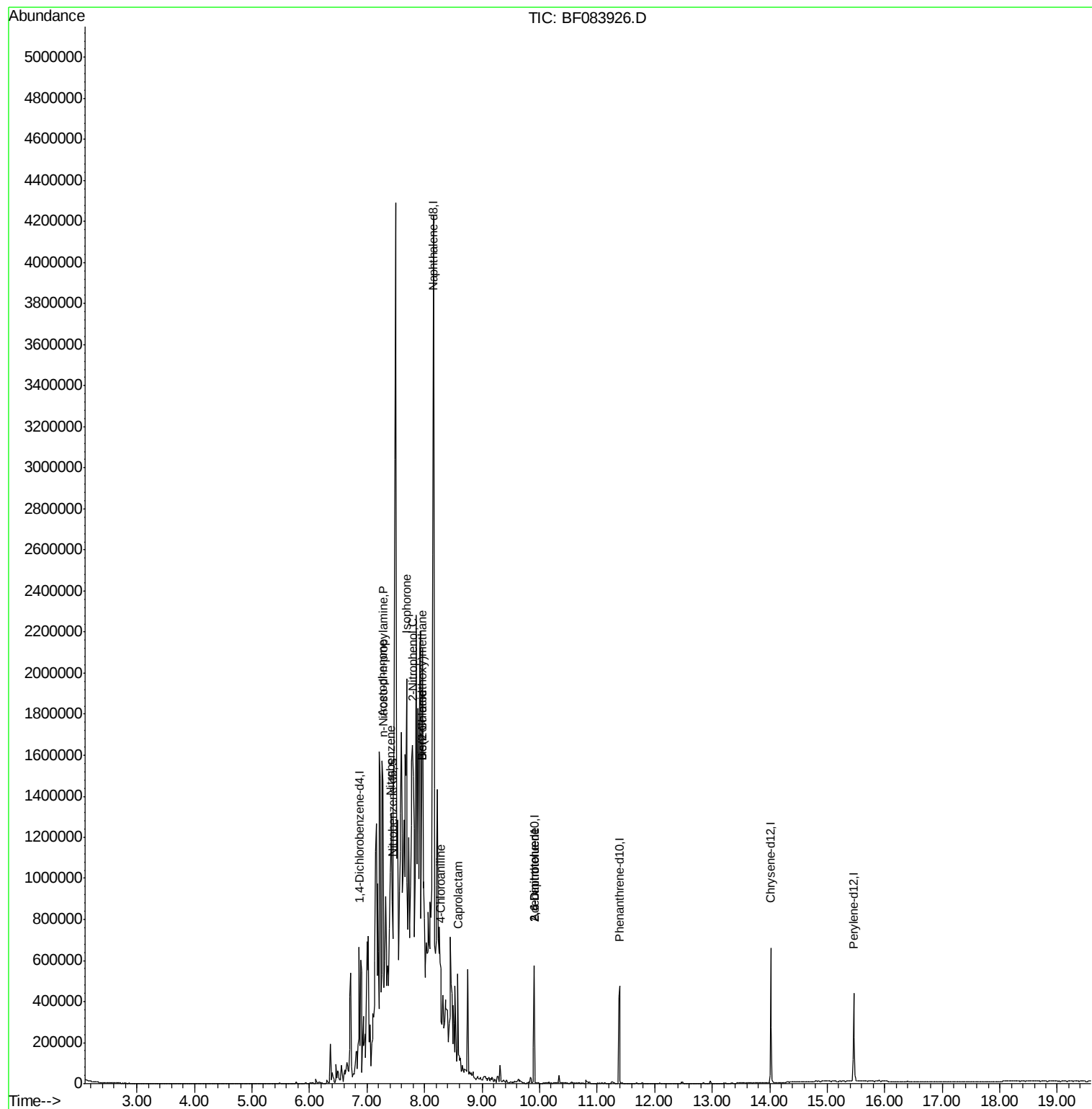
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	66071	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	160258	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	114938	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	255958	20.00	ng	0.00
75) Chrysene-d12	14.02	240	246726	20.00	ng	-0.01
86) Perylene-d12	15.46	264	197183	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	2759	0.65	ng	0.00
7) Phenol-d6	6.51	99	4504	0.87	ng	0.00
23) Nitrobenzene-d5	7.44	82	48458	17.26	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	560	0.44	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	4839	-1.00	ng	-0.02
78) Terphenyl-d14	12.97	244	6116	-6.14	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	17458	5.80	ng	# 33
22) Acetophenone	7.26	105	9794	2.54	ng	# 1
24) Nitrobenzene	7.41	77	11153	3.84	ng	# 66
25) Isophorone	7.69	82	86345	16.34	ng	# 1
26) 2-Nitrophenol	7.79	139	10616	7.06	ng	# 1
28) bis(2-Chloroethoxy)methane	7.95	93	9255	2.96	ng	# 1
31) Naphthalene	8.18	128	14354	Below Cal		# 79
32) Benzoic acid	7.95	122	7350	11.61	ng	# 1
33) 4-Chloroaniline	8.28	127	8761	2.41	ng	# 55
35) Caprolactam	8.58	113	9296	11.98	ng	# 1
36) 4-Chloro-3-methylphenol	8.70	107	2395	Below Cal		# 20
45) 1,1'-Biphenyl	9.32	154	2046	Below Cal		# 87
50) 2,6-Dinitrotoluene	9.90	165	14856	7.06	ng	# 35
56) 2,4-Dinitrotoluene	9.90	165	14857	5.51	ng	# 20

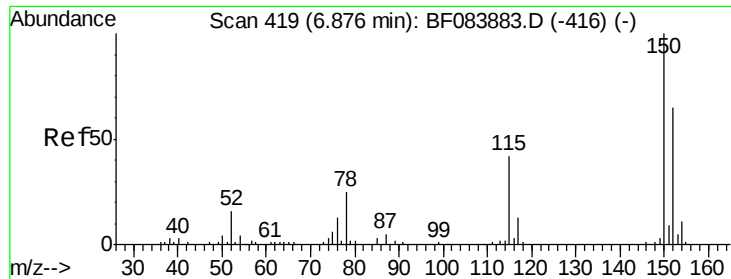
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF083926.D

Acq: 18 Dec 2015 21:21

Instrument :

BNA_F

ClientSampleId :

LAR-9878

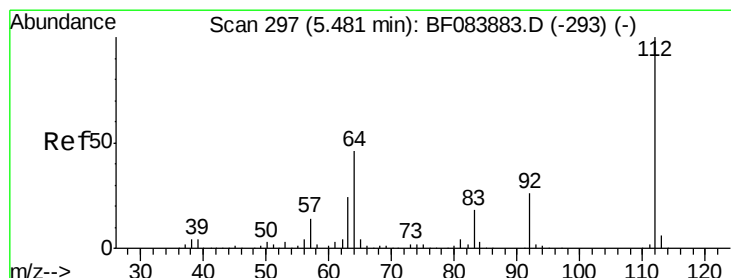
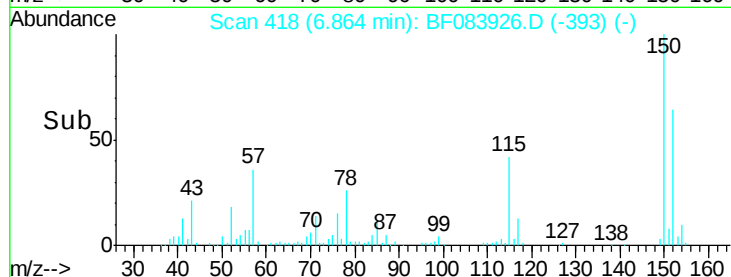
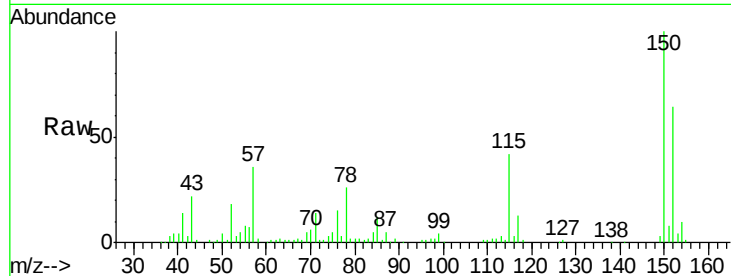
Tgt Ion:152 Resp: 66071

Ion Ratio Lower Upper

152 100

150 156.4 123.0 184.4

115 65.7 51.4 77.2



#5

2-Fluorophenol

Concen: 0.65 ng

RT: 5.48 min Scan# 297

Delta R.T. -0.00 min

Lab File: BF083926.D

Acq: 18 Dec 2015 21:21

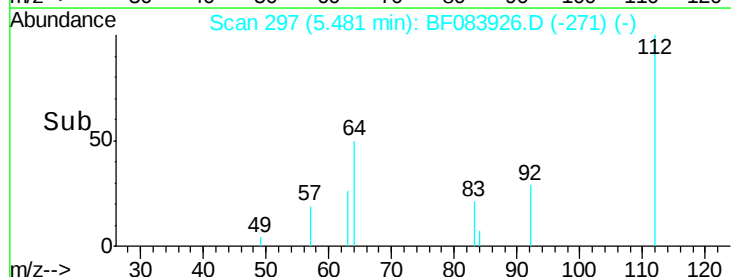
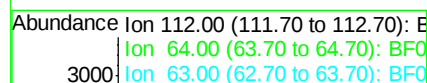
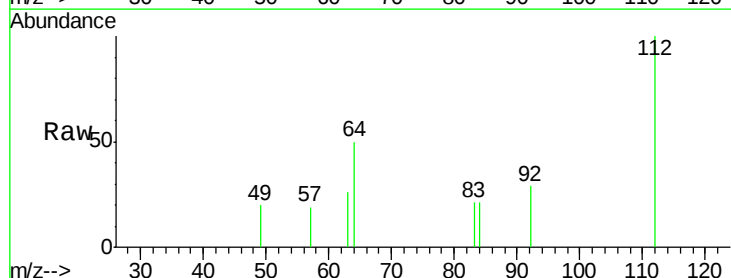
Tgt Ion:112 Resp: 2759

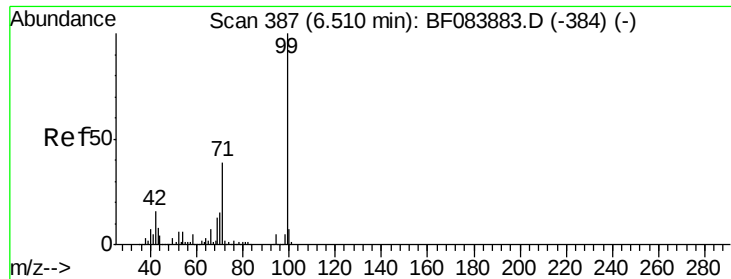
Ion Ratio Lower Upper

112 100

64 50.3 36.6 55.0

63 25.7 19.4 29.0





#7

Phenol-d6

Concen: 0.87 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF083926.D

Acq: 18 Dec 2015 21:21

Instrument :

BNA_F

ClientSampled :

LAR-9878

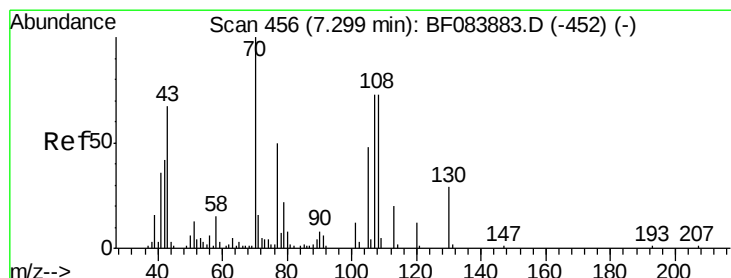
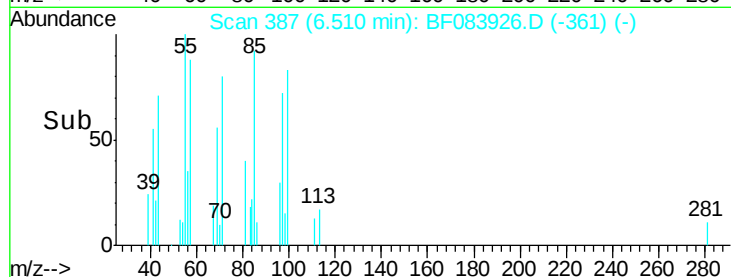
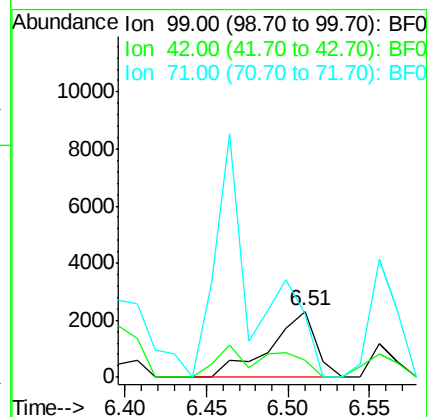
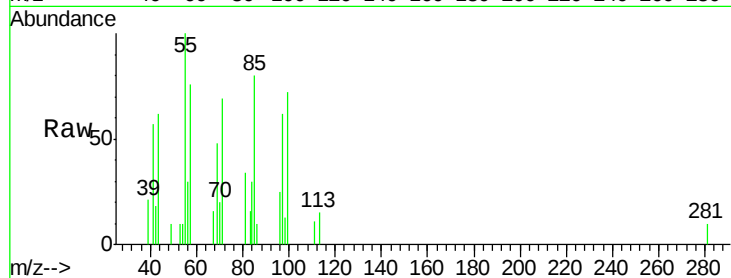
Tgt Ion: 99 Resp: 4504

Ion Ratio Lower Upper

99 100

42 25.4 12.8 19.2#

71 96.1 30.9 46.3#



#19

n-Nitroso-di-n-propylamine

Concen: 5.80 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.02 min

Lab File: BF083926.D

Acq: 18 Dec 2015 21:21

Tgt Ion: 70 Resp: 17458

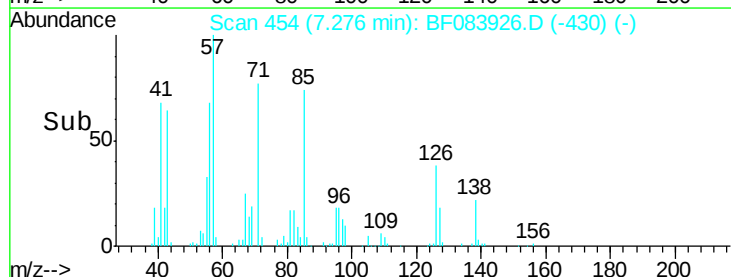
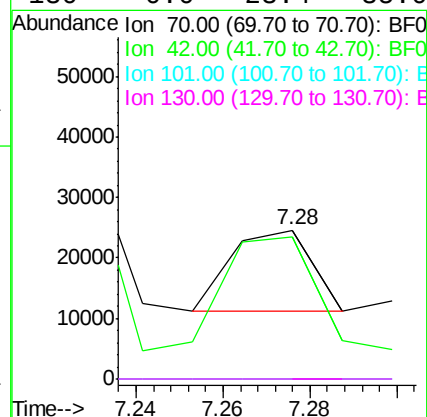
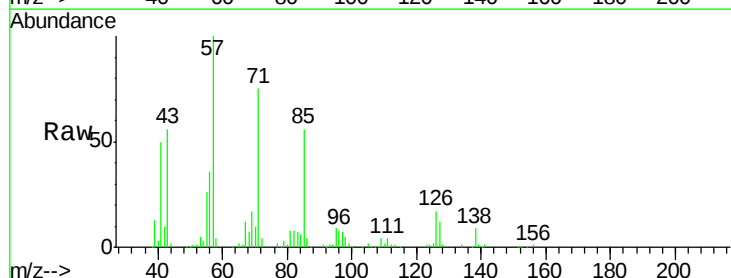
Ion Ratio Lower Upper

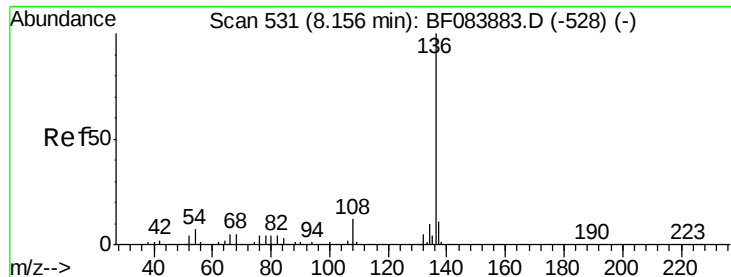
70 100

42 95.4 33.3 49.9#

101 0.0 9.3 13.9#

130 0.0 23.4 35.0#

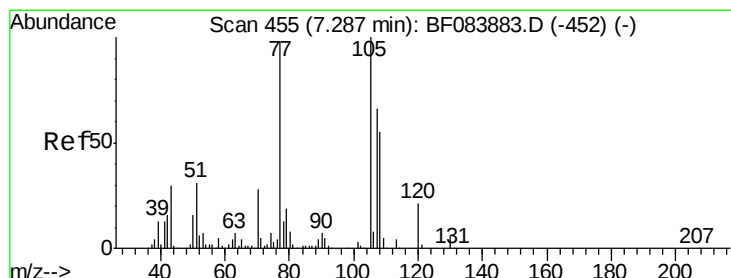
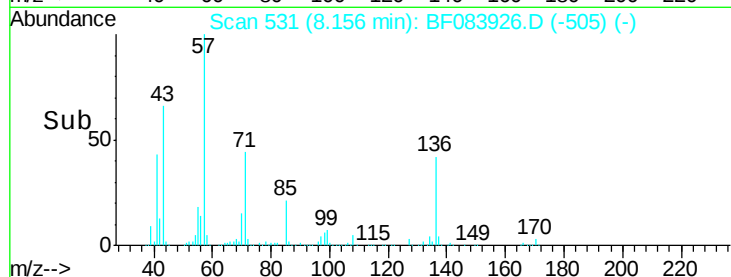
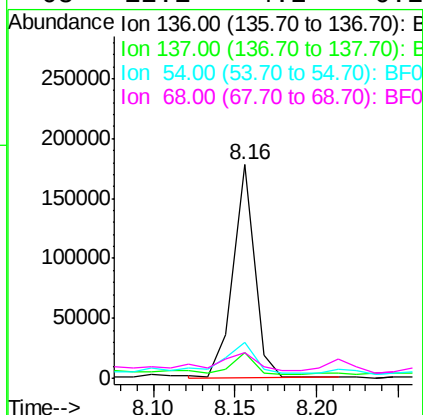
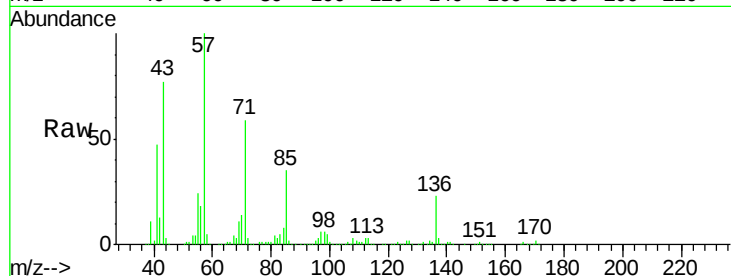




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.00 min
Lab File: BF083926.D
Acq: 18 Dec 2015 21:21

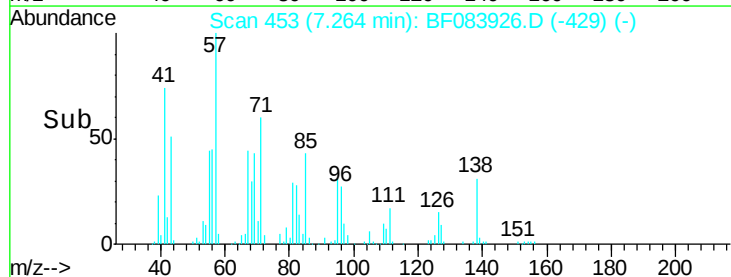
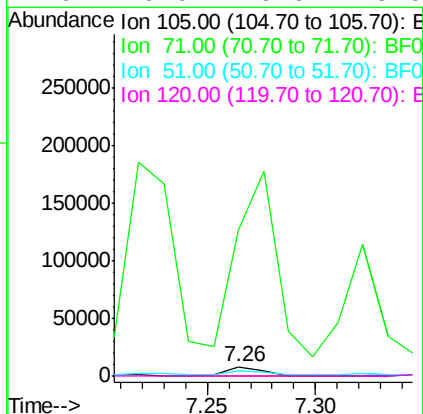
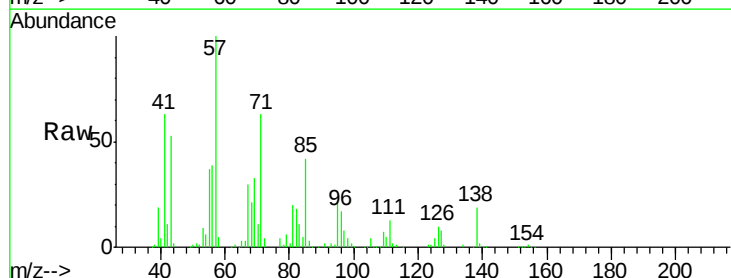
Instrument :
BNA_F
ClientSampleId :
LAR-9878

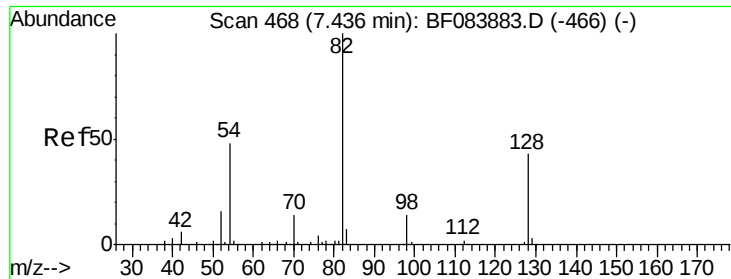
Tgt Ion:	136	Resp:	160258
Ion	Ratio	Lower	Upper
136	100		
137	12.1	8.7	13.1
54	16.7	5.8	8.8#
68	12.1	4.2	6.2#



#22
Acetophenone
Concen: 2.54 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.02 min
Lab File: BF083926.D
Acq: 18 Dec 2015 21:21

Tgt Ion:	105	Resp:	9794
Ion	Ratio	Lower	Upper
105	100		
71	1550.5	3.7	5.5#
51	55.8	25.1	37.7#
120	0.0	16.6	25.0#

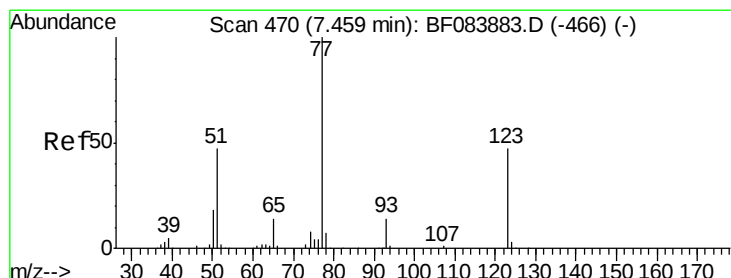
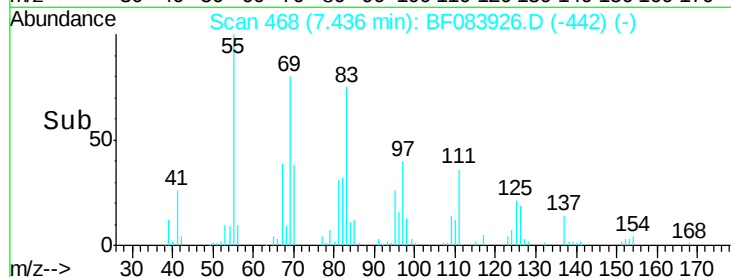
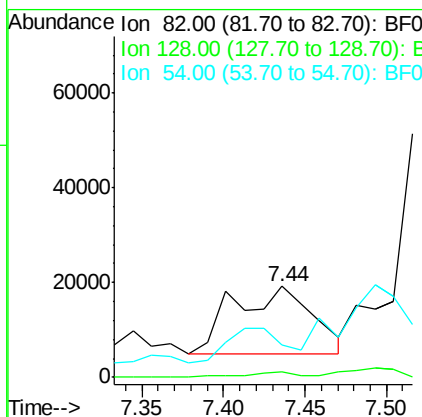
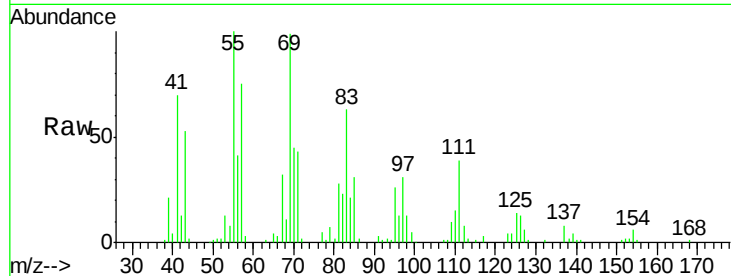




#23
 Nitrobenzene-d5
 Concen: 17.26 ng
 RT: 7.44 min Scan# 468
 Delta R.T. -0.00 min
 Lab File: BF083926.D
 Acq: 18 Dec 2015 21:21

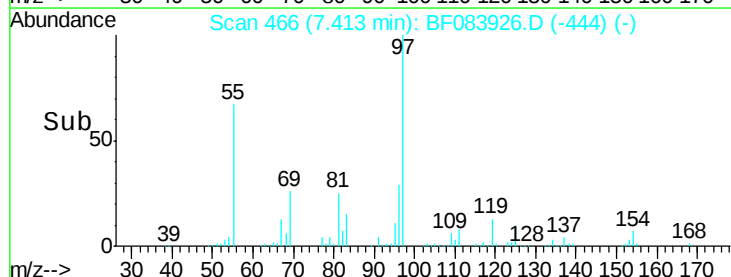
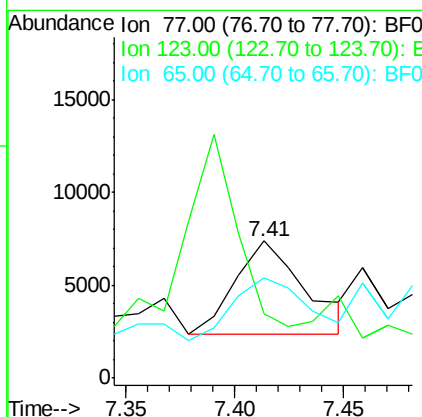
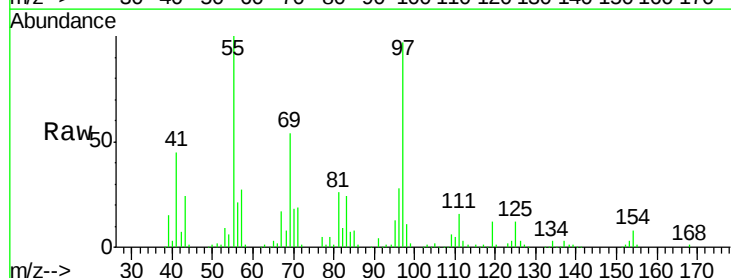
Instrument :
 BNA_F
 ClientSampleId :
 LAR-9878

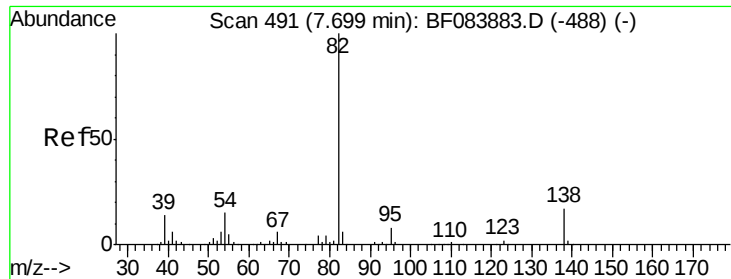
Tgt Ion: 82 Resp: 48458
 Ion Ratio Lower Upper
 82 100
 128 6.0 34.6 51.8#
 54 35.4 38.4 57.6#



#24
 Nitrobenzene
 Concen: 3.84 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.05 min
 Lab File: BF083926.D
 Acq: 18 Dec 2015 21:21

Tgt Ion: 77 Resp: 11153
 Ion Ratio Lower Upper
 77 100
 123 47.3 37.4 56.2
 65 73.4 10.9 16.3#





#25

Isophorone

Concen: 16.34 ng

RT: 7.69 min Scan# 490

Delta R.T. -0.01 min

Lab File: BF083926.D

Acq: 18 Dec 2015 21:21

Instrument :

BNA_F

ClientSampleId :

LAR-9878

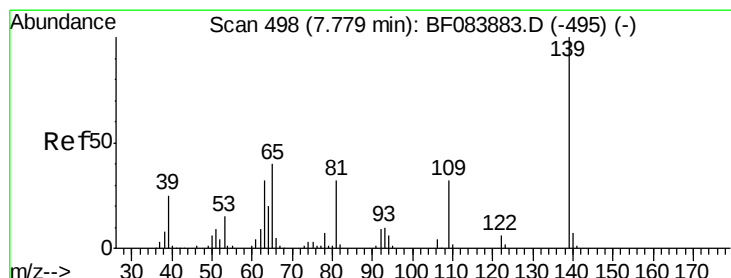
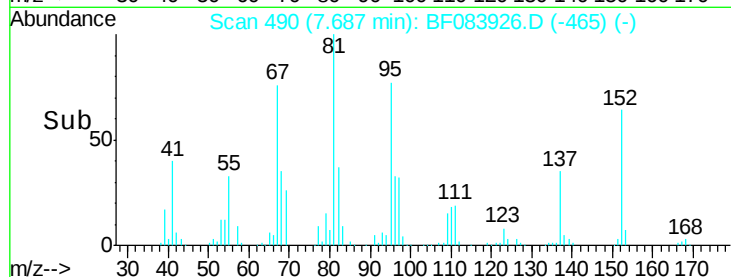
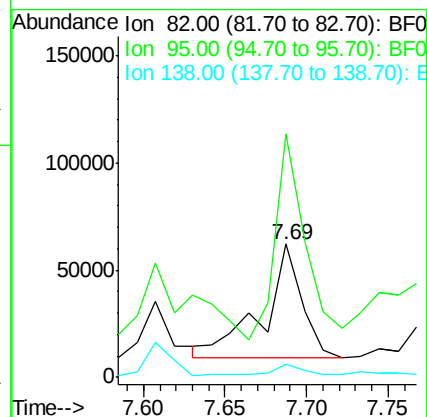
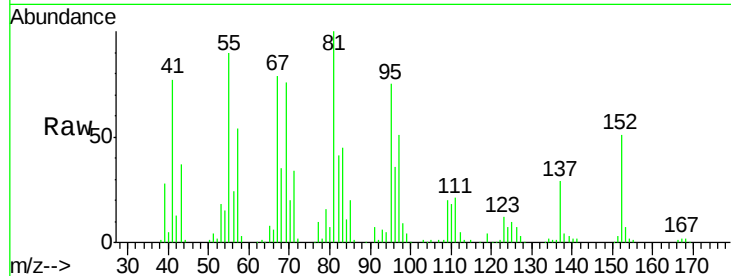
Tgt Ion: 82 Resp: 86345

Ion Ratio Lower Upper

82 100

95 183.0 6.6 10.0#

138 10.2 13.6 20.4#



#26

2-Nitrophenol

Concen: 7.06 ng

RT: 7.79 min Scan# 499

Delta R.T. 0.01 min

Lab File: BF083926.D

Acq: 18 Dec 2015 21:21

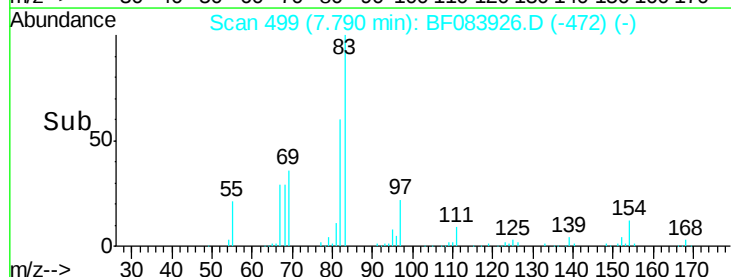
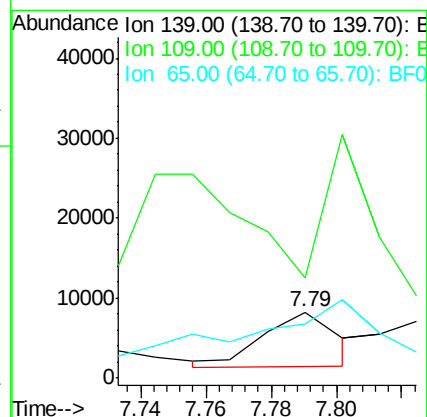
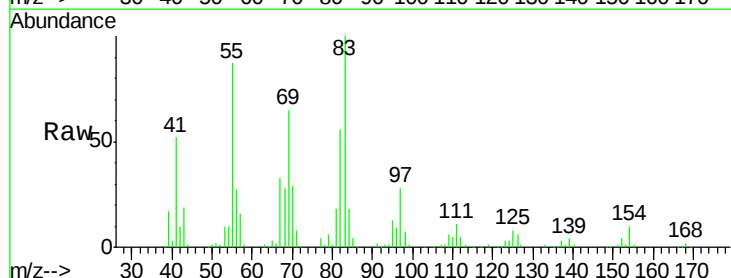
Tgt Ion: 139 Resp: 10616

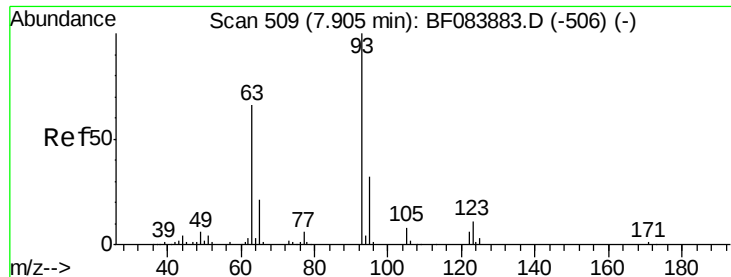
Ion Ratio Lower Upper

139 100

109 151.6 25.4 38.2#

65 83.1 32.3 48.5#

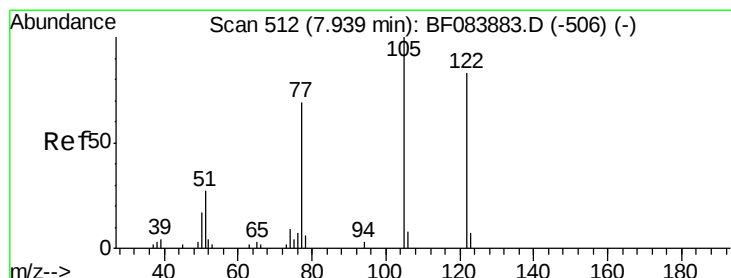
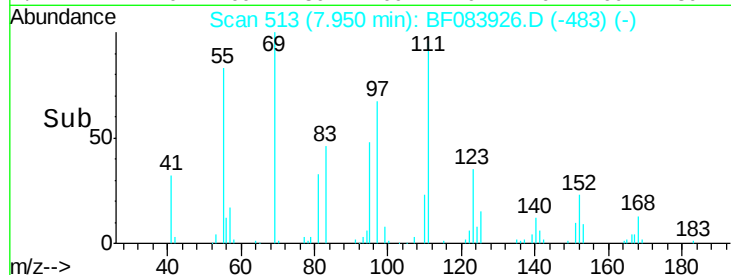
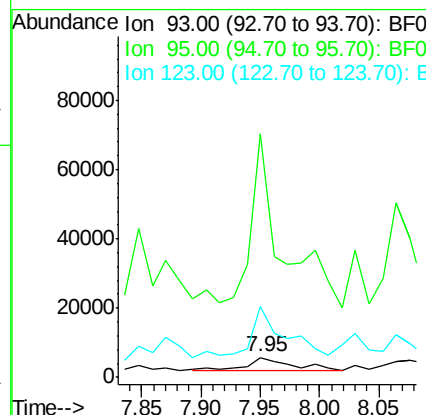
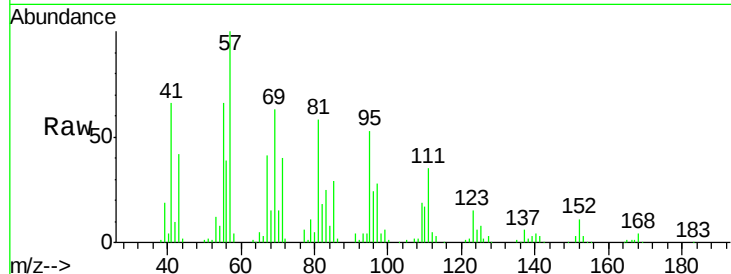




#28
bis(2-Chloroethoxy)methane
Concen: 2.96 ng
RT: 7.95 min Scan# 513
Delta R.T. 0.05 min
Lab File: BF083926.D
Acq: 18 Dec 2015 21:21

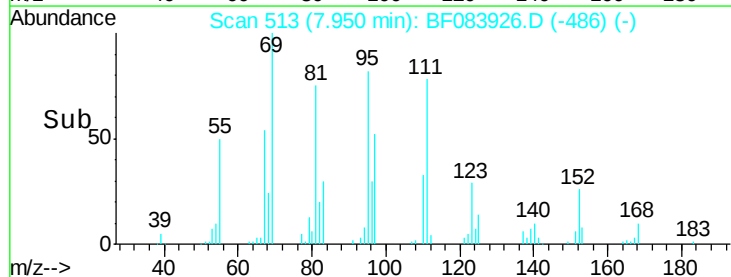
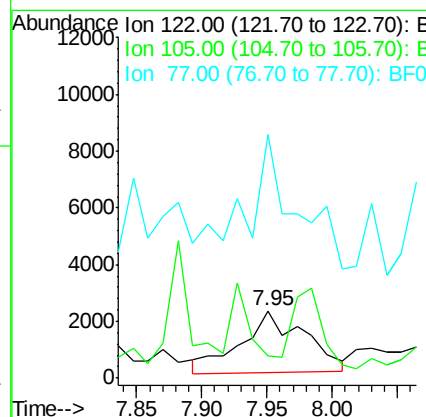
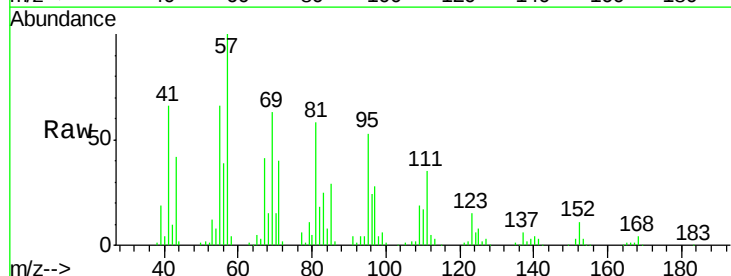
Instrument :
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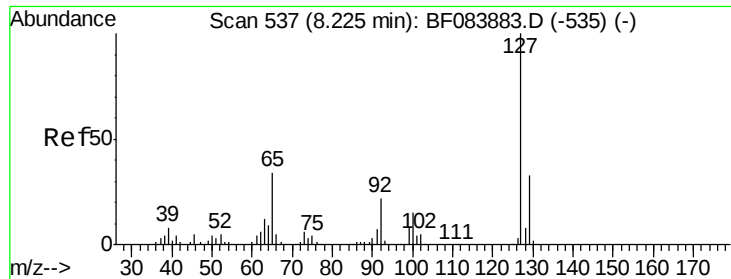
Tgt Ion: 93 Resp: 9255
Ion Ratio Lower Upper
93 100
95 1231.4 25.8 38.6#
123 358.4 8.6 12.8#



#32
Benzoic acid
Concen: 11.61 ng
RT: 7.95 min Scan# 513
Delta R.T. 0.01 min
Lab File: BF083926.D
Acq: 18 Dec 2015 21:21

Tgt Ion: 122 Resp: 7350
Ion Ratio Lower Upper
122 100
105 33.1 100.3 140.3#
77 360.6 63.5 103.5#

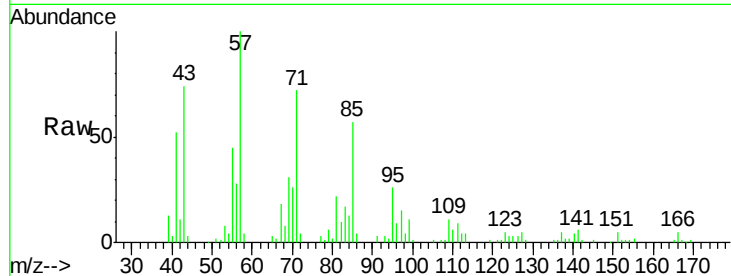




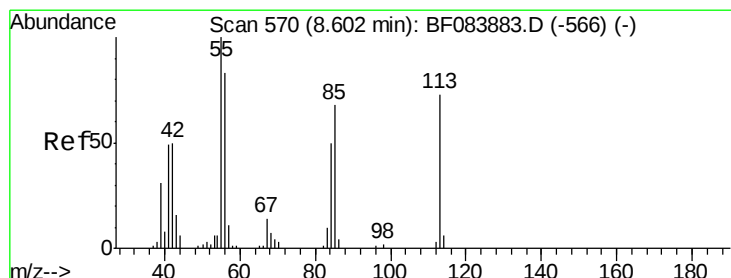
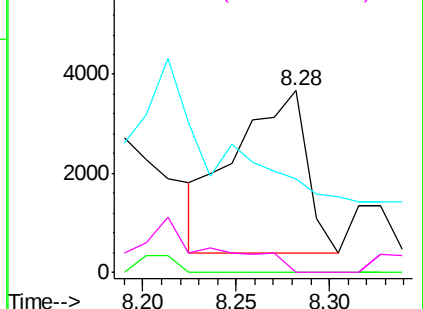
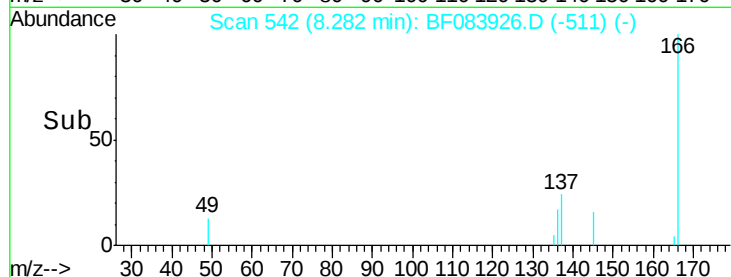
#33
4-Chloroaniline
Concen: 2.41 ng
RT: 8.28 min Scan# 542
Delta R.T. 0.06 min
Lab File: BF083926.D
Acq: 18 Dec 2015 21:21

Instrument :
BNA_F
ClientSampleId :
LAR-9878

Tgt Ion:127 Resp: 8761
Ion Ratio Lower Upper
127 100
129 0.0 26.5 39.7#
65 51.1 27.2 40.8#
92 0.0 17.7 26.5#

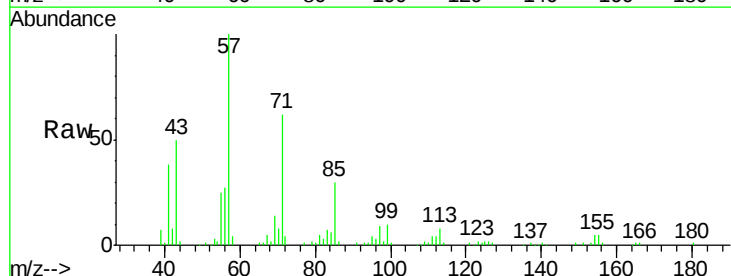


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

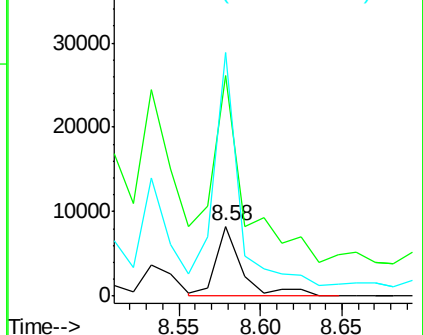
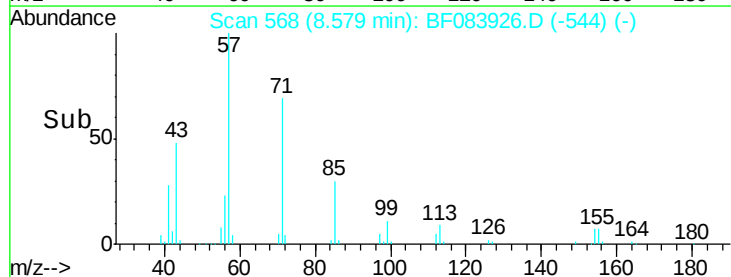


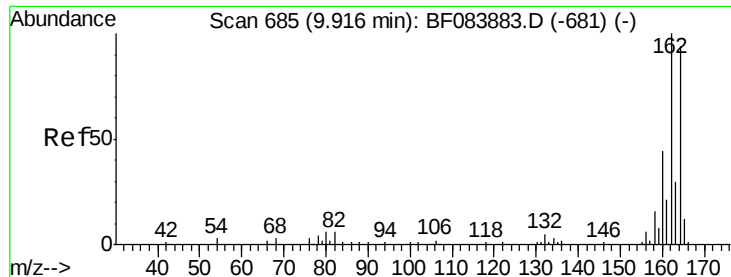
#35
Caprolactam
Concen: 11.98 ng
RT: 8.58 min Scan# 568
Delta R.T. -0.02 min
Lab File: BF083926.D
Acq: 18 Dec 2015 21:21

Tgt Ion:113 Resp: 9296
Ion Ratio Lower Upper
113 100
55 316.9 116.9 156.9#
56 350.0 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

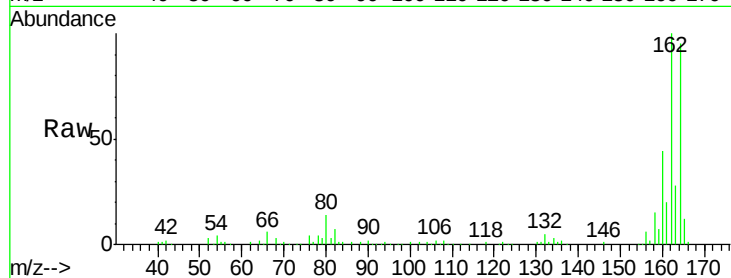




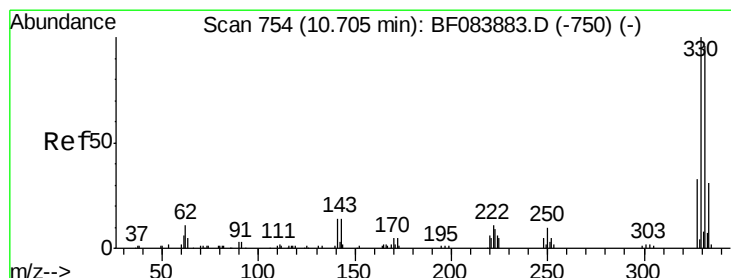
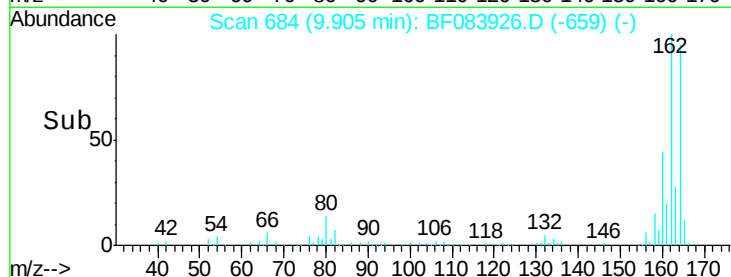
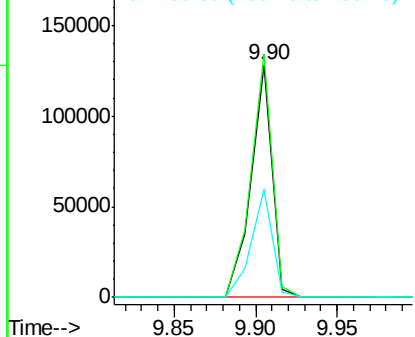
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.01 min
 Lab File: BF083926.D
 Acq: 18 Dec 2015 21:21

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9878

Tgt Ion:164 Resp: 114938
 Ion Ratio Lower Upper
 164 100
 162 104.9 85.1 127.7
 160 46.5 37.5 56.3

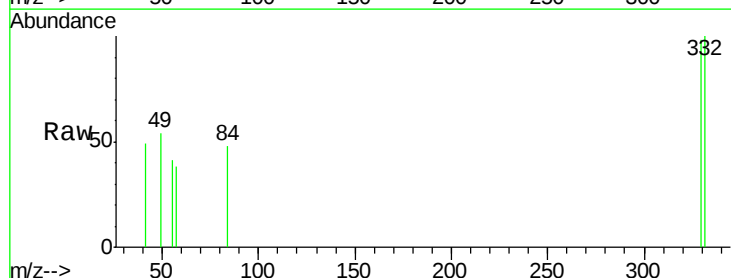


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

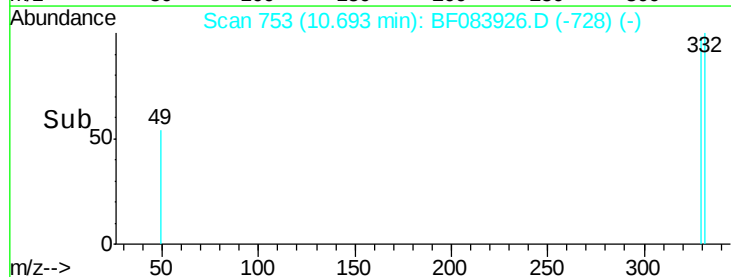
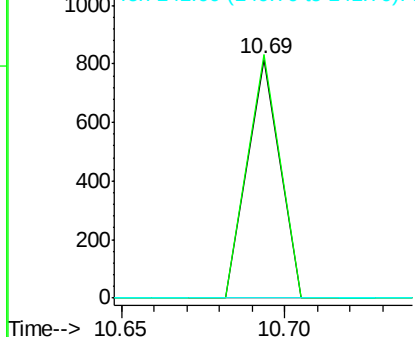


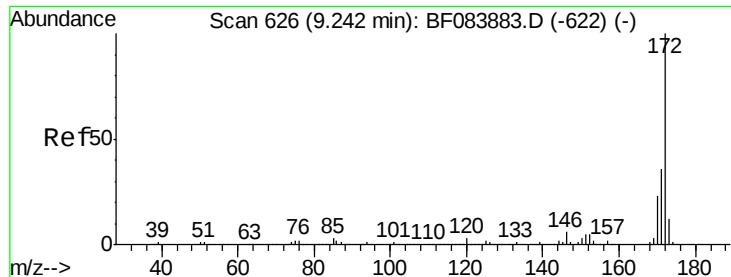
#41
 2,4,6-Tribromophenol
 Concen: 0.44 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: BF083926.D
 Acq: 18 Dec 2015 21:21

Tgt Ion:330 Resp: 560
 Ion Ratio Lower Upper
 330 100
 332 102.0 76.6 114.8
 141 0.0 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

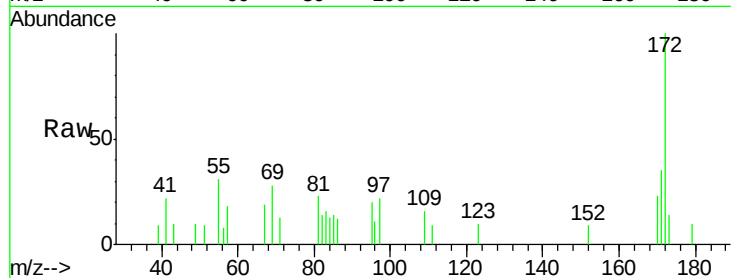




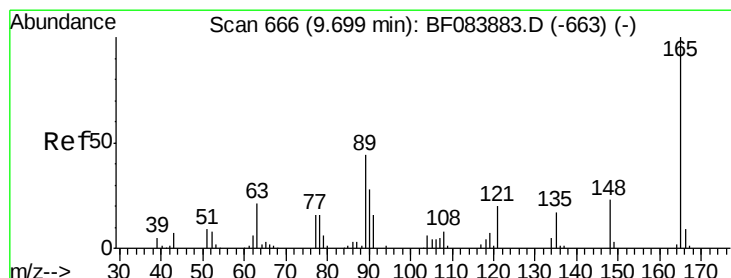
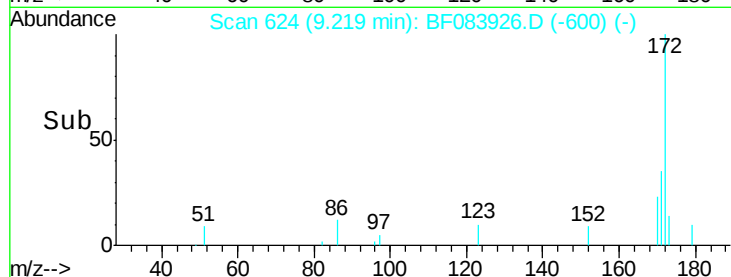
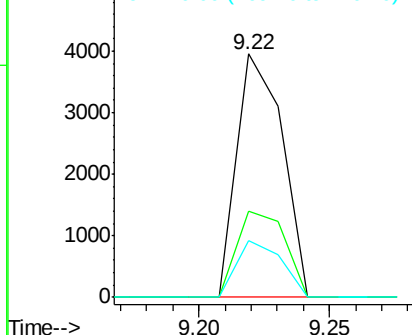
#44
 2-Fluorobiphenyl
 Concen: -1.00 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.02 min
 Lab File: BF083926.D
 Acq: 18 Dec 2015 21:21

Instrument :
 BNA_F
 ClientSampled :
 LAR-9878

Tgt Ion:172 Resp: 4839
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.9 43.3
 170 23.3 18.6 27.8

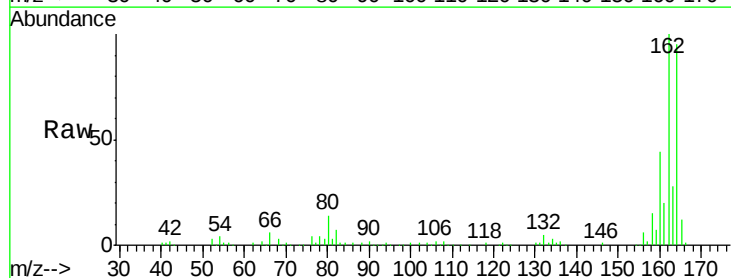


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

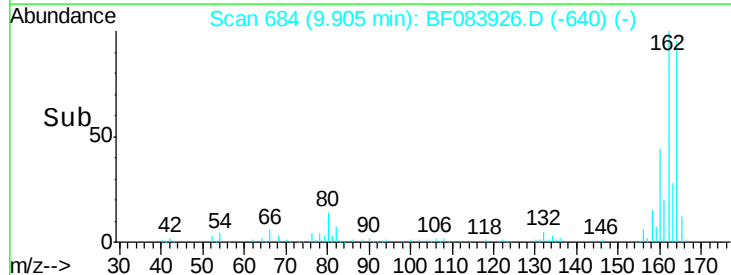
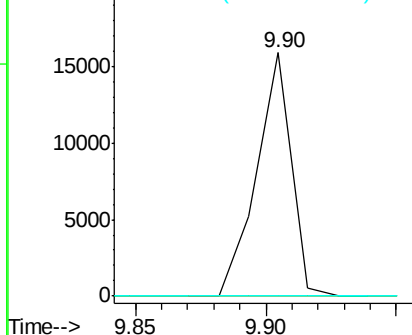


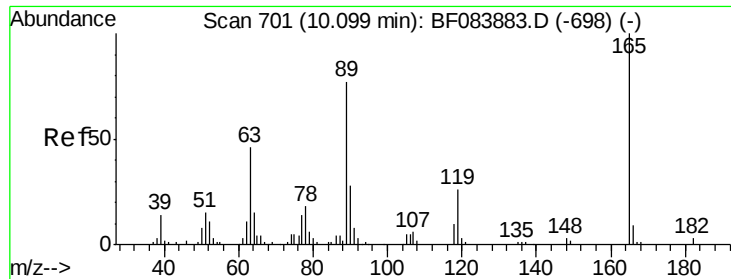
#50
 2,6-Dinitrotoluene
 Concen: 7.06 ng
 RT: 9.90 min Scan# 684
 Delta R.T. 0.21 min
 Lab File: BF083926.D
 Acq: 18 Dec 2015 21:21

Tgt Ion:165 Resp: 14856
 Ion Ratio Lower Upper
 165 100
 63 0.0 28.8 43.2#
 89 0.0 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

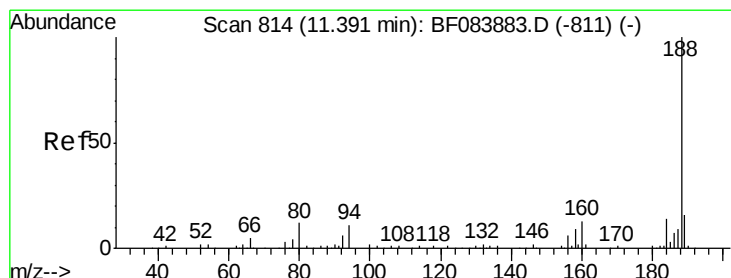
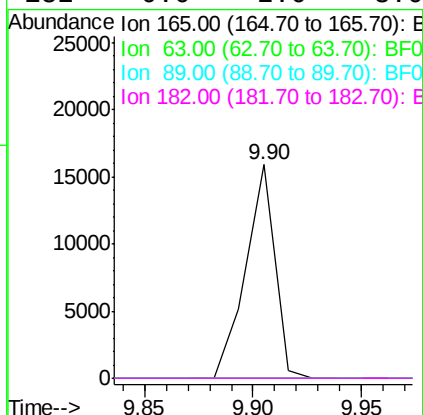
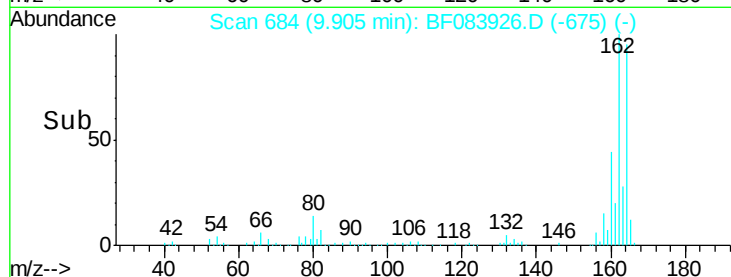
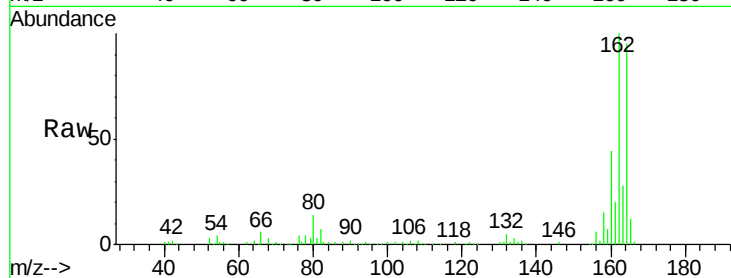




#56
2,4-Dinitrotoluene
Concen: 5.51 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.19 min
Lab File: BF083926.D
Acq: 18 Dec 2015 21:21

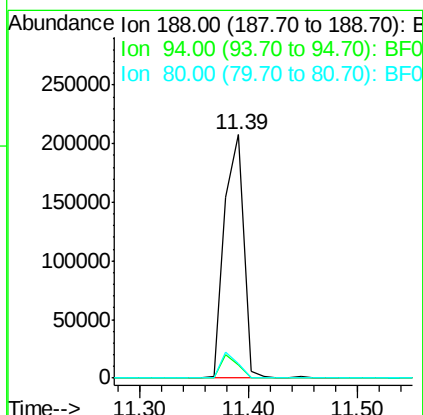
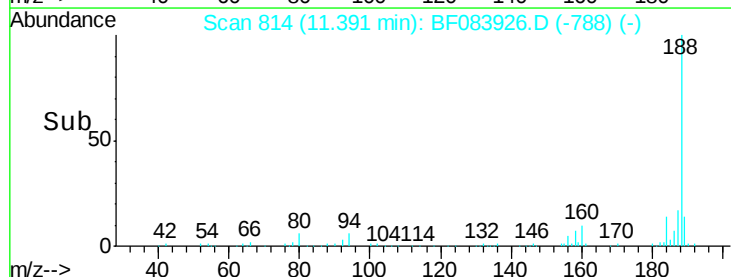
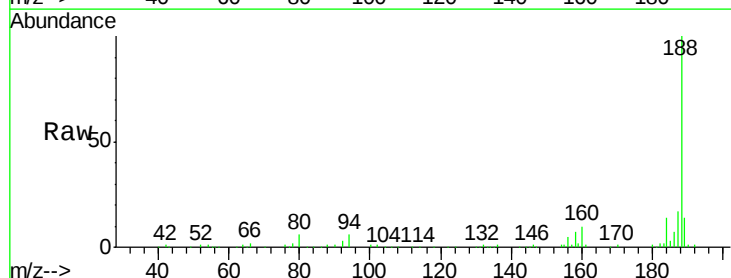
Instrument :
BNA_F
ClientSampleId :
LAR-9878

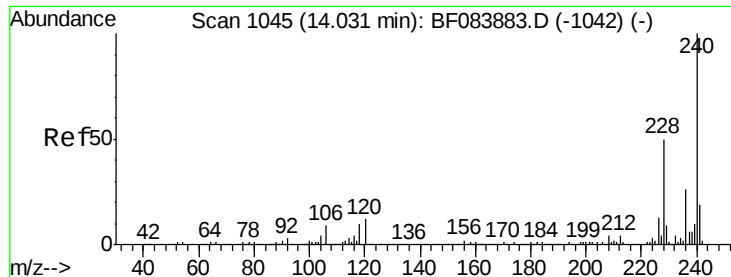
Tgt Ion:165 Resp: 14857
Ion Ratio Lower Upper
165 100
63 0.0 36.7 55.1#
89 0.0 61.9 92.9#
182 0.0 2.0 3.0#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF083926.D
Acq: 18 Dec 2015 21:21

Tgt Ion:188 Resp: 255958
Ion Ratio Lower Upper
188 100
94 5.7 9.0 13.4#
80 6.0 9.6 14.4#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BF083926.D

Acq: 18 Dec 2015 21:21

Instrument :

BNA_F

ClientSampleId :

LAR-9878

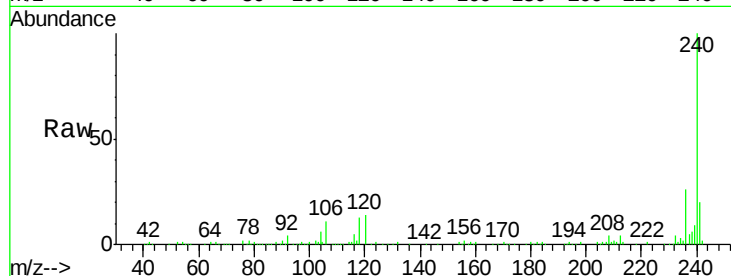
Tgt Ion:240 Resp: 246726

Ion Ratio Lower Upper

240 100

120 14.4 9.5 14.3#

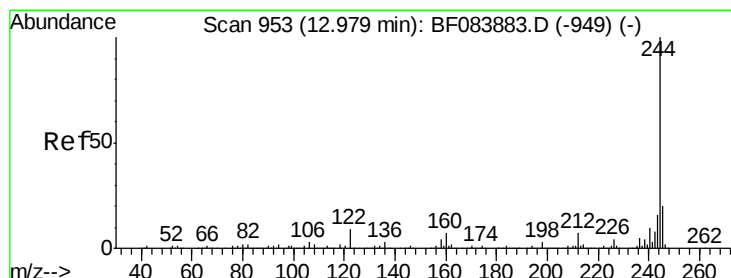
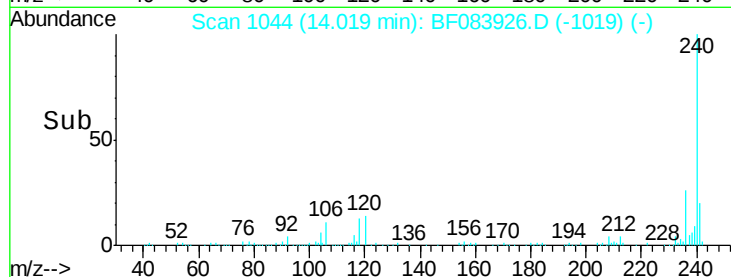
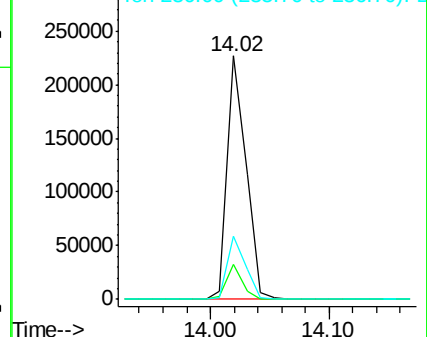
236 25.7 20.6 31.0



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: -6.14 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF083926.D

Acq: 18 Dec 2015 21:21

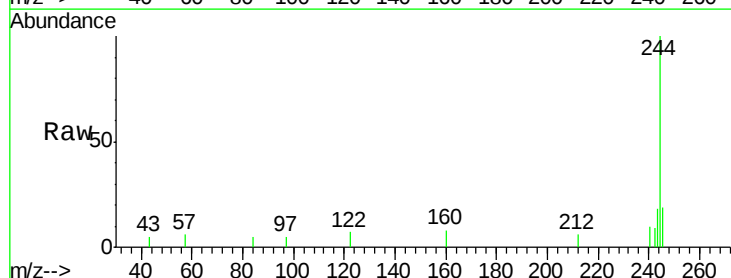
Tgt Ion:244 Resp: 6116

Ion Ratio Lower Upper

244 100

212 6.3 5.7 8.5

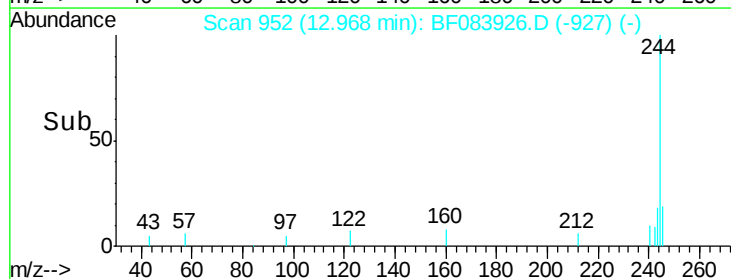
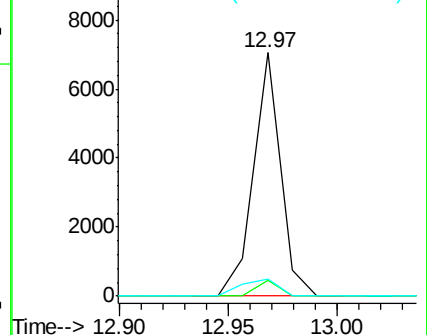
122 7.2 7.4 11.0#

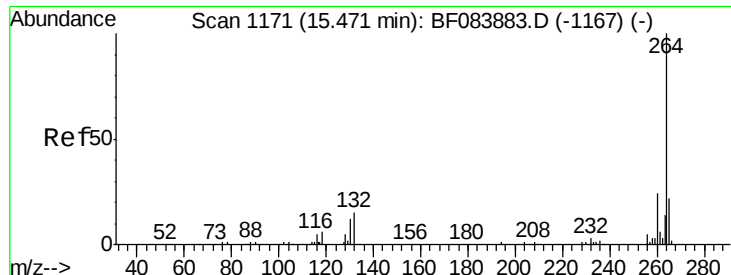


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

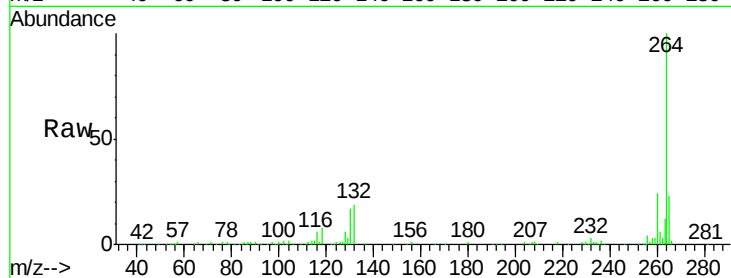




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BF083926.D
Acq: 18 Dec 2015 21:21

Instrument :
BNA_F
ClientSampleId :
LAR-9878

Tgt Ion: 264 Resp: 197183
Ion Ratio Lower Upper
264 100
260 23.6 19.4 29.2
265 22.6 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

