

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
 Data File : BF083921.D
 Acq On : 18 Dec 2015 19:03
 Operator : UM/SJ
 Sample : G4817-01 20X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9873

Quant Time: Dec 19 04:17:41 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

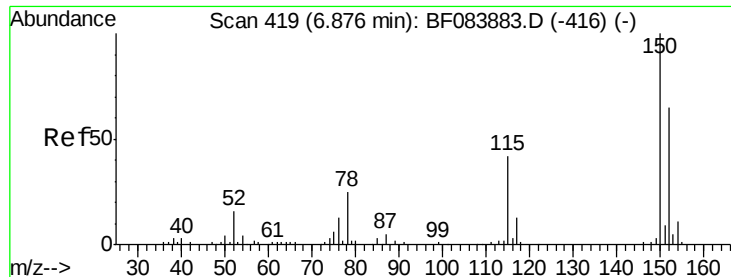
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	55764	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	167444	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	137811	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	240060	20.00	ng	0.00
75) Chrysene-d12	14.02	240	248974	20.00	ng	-0.01
86) Perylene-d12	15.46	264	198145	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	2263	0.64	ng	0.00
7) Phenol-d6	6.51	99	6753	1.55	ng	0.00
23) Nitrobenzene-d5	7.44	82	41978	14.31	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	670	0.44	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	5250	-1.00	ng	-0.01
78) Terphenyl-d14	12.97	244	6905	-6.07	ng	-0.01

Target Compounds						Qvalue
9) Benzaldehyde	6.40	77	25148	9.57	ng	# 1
18) Hexachloroethane	7.37	117	8533	4.99	ng	# 1
19) n-Nitroso-di-n-propylamine	7.28	70	15585	6.13	ng	# 32
22) Acetophenone	7.26	105	42127	10.45	ng	# 1
24) Nitrobenzene	7.41	77	12792	4.22	ng	# 56
25) Isophorone	7.69	82	76646	13.88	ng	# 1
26) 2-Nitrophenol	7.79	139	7784	4.96	ng	# 1
27) 2,4-Dimethylphenol	7.81	122	7595	2.81	ng	# 1
28) bis(2-Chloroethoxy)methane	7.95	93	8971	2.75	ng	# 1
31) Naphthalene	8.18	128	35095	2.06	ng	# 91
32) Benzoic acid	7.95	122	6968	10.74	ng	# 1
35) Caprolactam	8.58	113	8704	10.73	ng	# 1
36) 4-Chloro-3-methylphenol	8.70	107	1123	Below Cal		# 20
45) 1,1'-Biphenyl	9.32	154	1587	Below Cal		# 81
50) 2,6-Dinitrotoluene	9.90	165	17506	6.94	ng	# 35
56) 2,4-Dinitrotoluene	9.90	165	17507	5.41	ng	# 20

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

```
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Sample    : G4817-01 20X  
Misc      :  
ALS Vial  : 12      Sample Multiplier: 1
```



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF083921.D

Acq: 18 Dec 2015 19:03

Instrument :

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LAR-9873

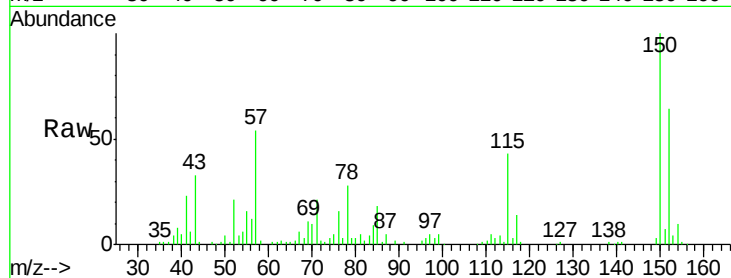
Tgt Ion:152 Resp: 55764

Ion Ratio Lower Upper

152 100

150 157.3 123.0 184.4

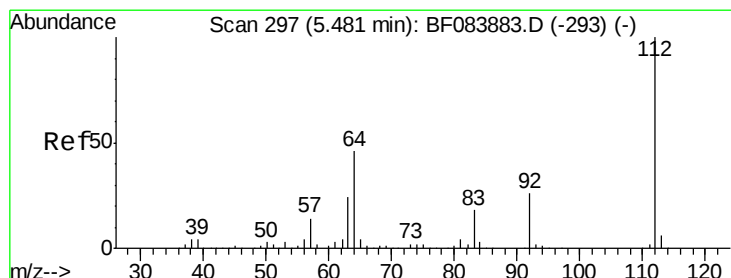
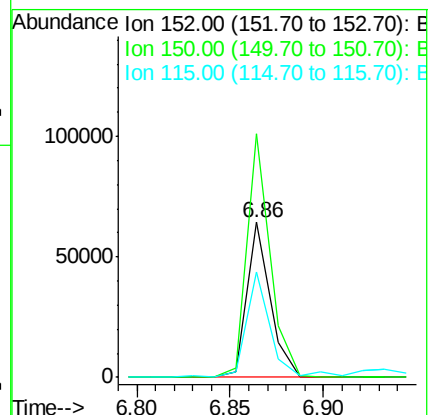
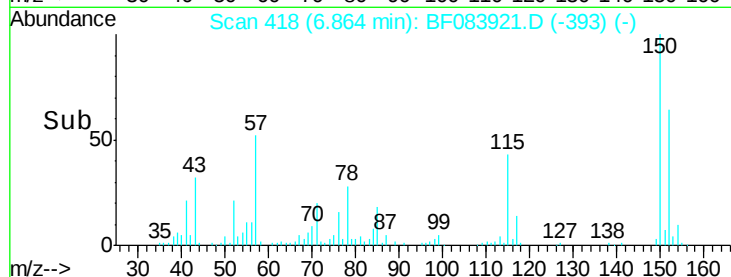
115 68.0 51.4 77.2



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: 0.64 ng

RT: 5.48 min Scan# 297

Delta R.T. -0.00 min

Lab File: BF083921.D

Acq: 18 Dec 2015 19:03

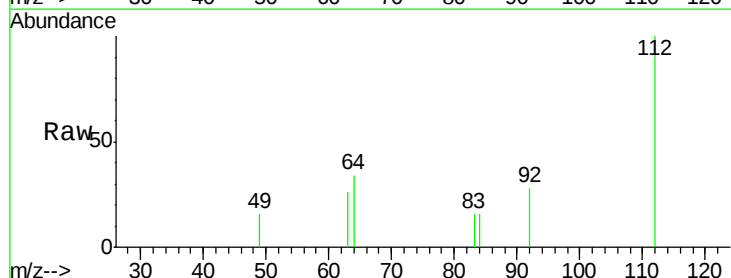
Tgt Ion:112 Resp: 2263

Ion Ratio Lower Upper

112 100

64 33.5 36.6 55.0#

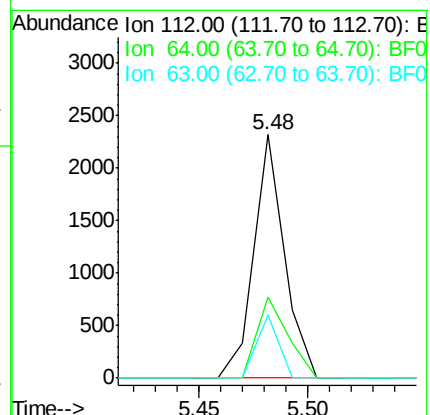
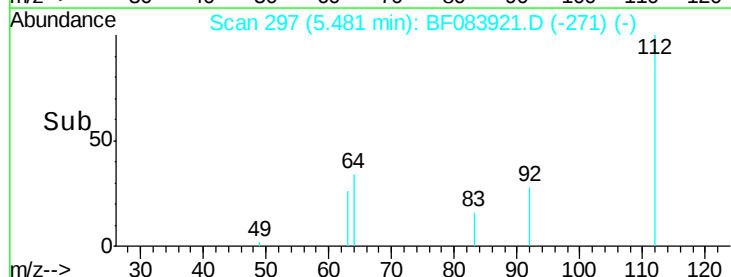
63 25.9 19.4 29.0

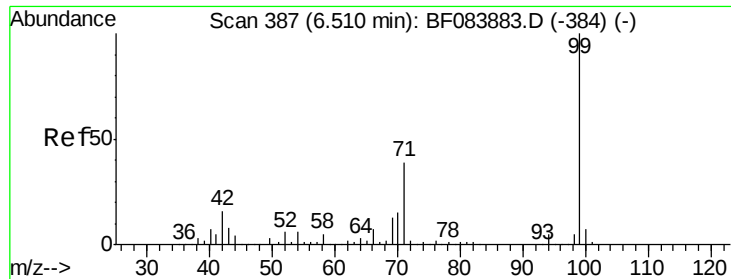


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 1.55 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF083921.D

Acq: 18 Dec 2015 19:03

Instrument :

BNA_F

ClientSampleId :

LAR-9873

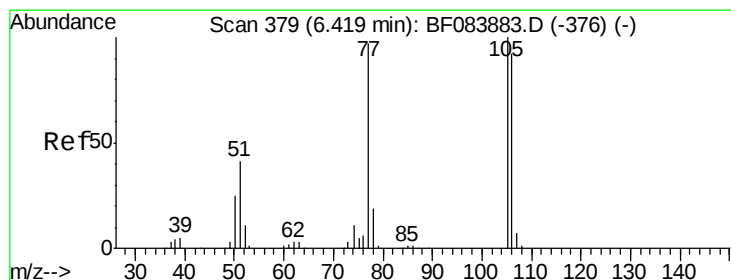
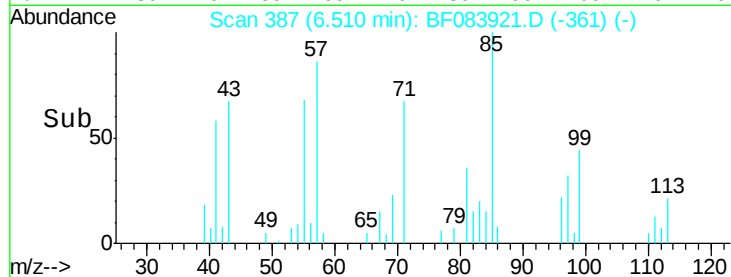
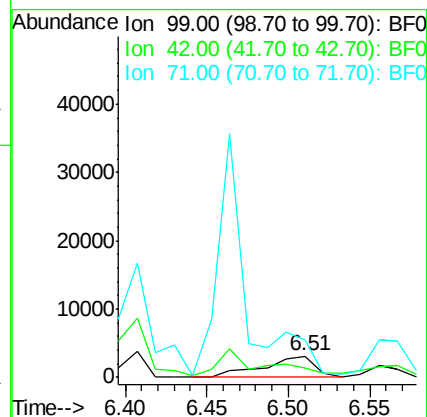
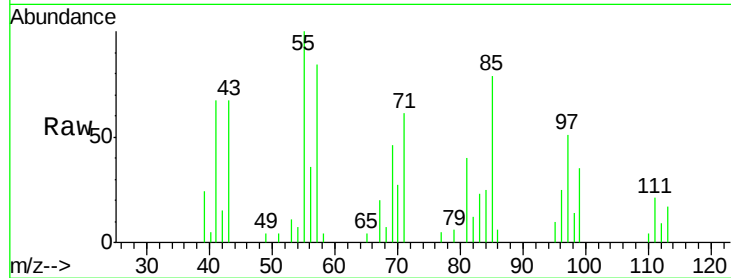
Tgt Ion: 99 Resp: 6753

Ion Ratio Lower Upper

99 100

42 41.9 12.8 19.2#

71 175.5 30.9 46.3#



#9

Benzaldehyde

Concen: 9.57 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF083921.D

Acq: 18 Dec 2015 19:03

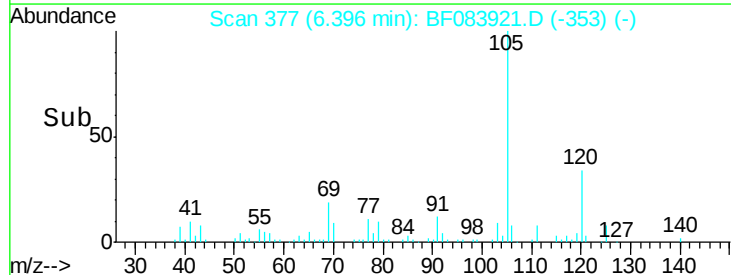
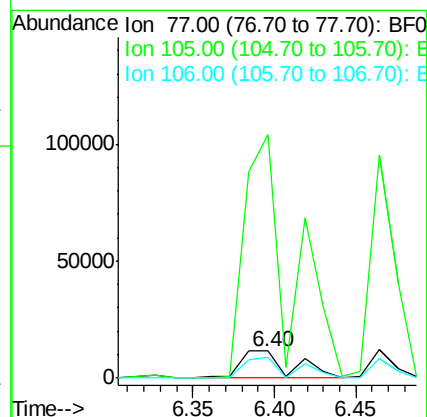
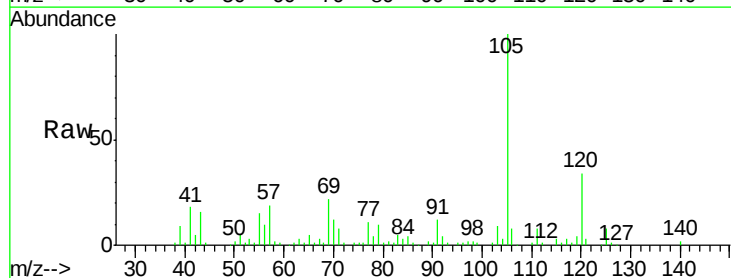
Tgt Ion: 77 Resp: 25148

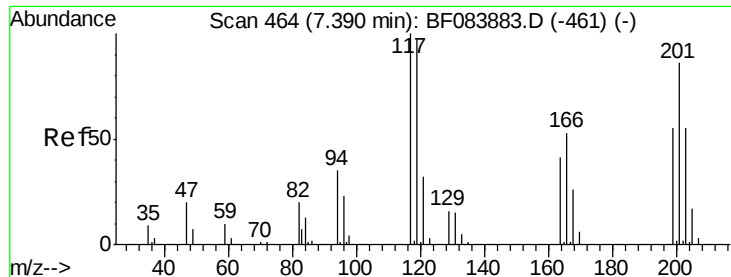
Ion Ratio Lower Upper

77 100

105 894.1 83.0 123.0#

106 75.5 74.6 114.6

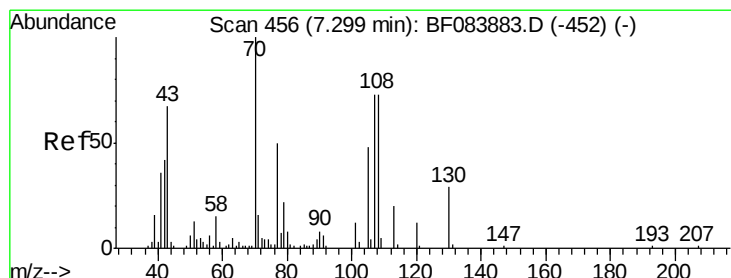
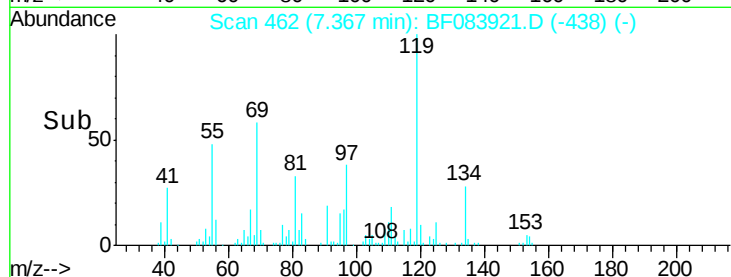
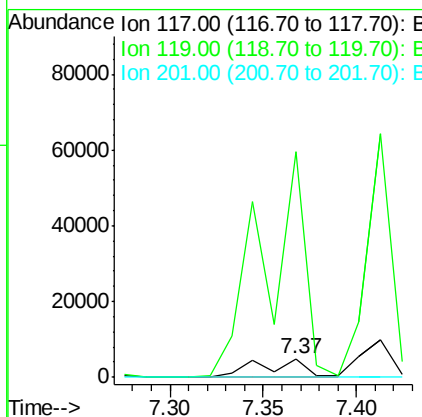
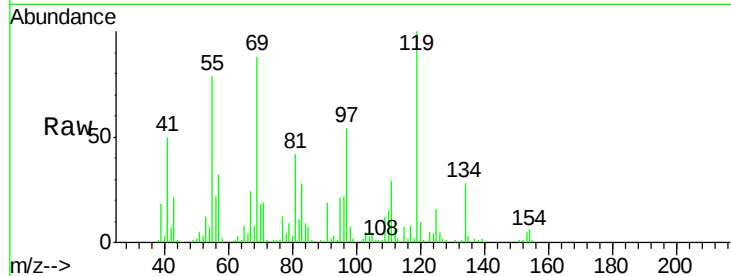




#18
 Hexachloroethane
 Concen: 4.99 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.02 min
 Lab File: BF083921.D
 Acq: 18 Dec 2015 19:03

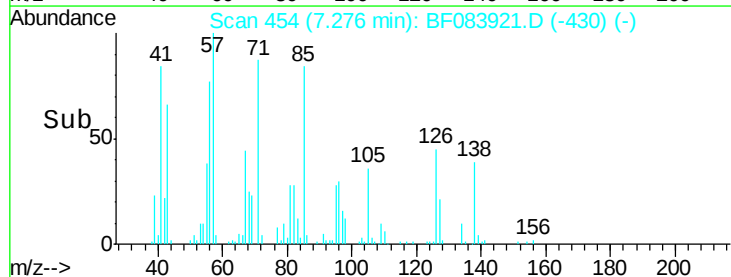
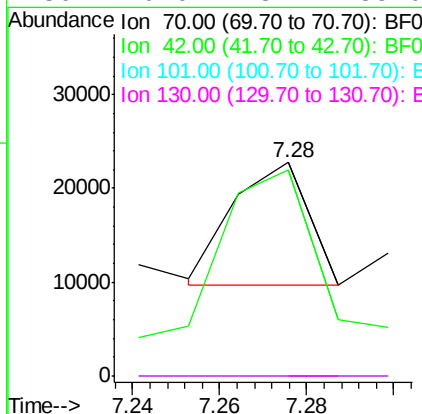
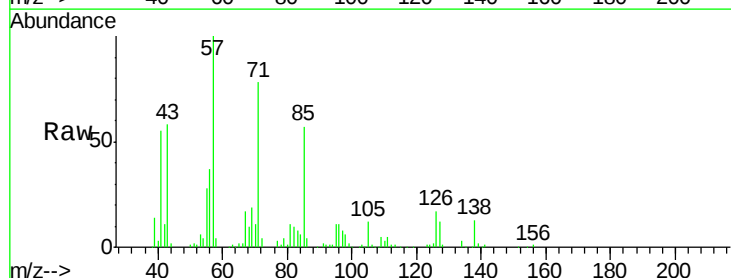
Instrument :
 BNA_F
 ClientSampleId :
 LAR-9873

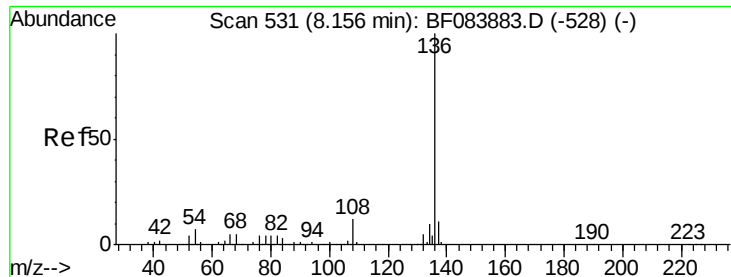
Tgt Ion: 117 Resp: 8533
 Ion Ratio Lower Upper
 117 100
 119 1201.5 77.4 116.0#
 201 0.0 68.6 103.0#



#19
 n-Nitroso-di-n-propylamine
 Concen: 6.13 ng
 RT: 7.28 min Scan# 454
 Delta R.T. -0.02 min
 Lab File: BF083921.D
 Acq: 18 Dec 2015 19:03

Tgt Ion: 70 Resp: 15585
 Ion Ratio Lower Upper
 70 100
 42 96.8 33.3 49.9#
 101 0.0 9.3 13.9#
 130 0.0 23.4 35.0#

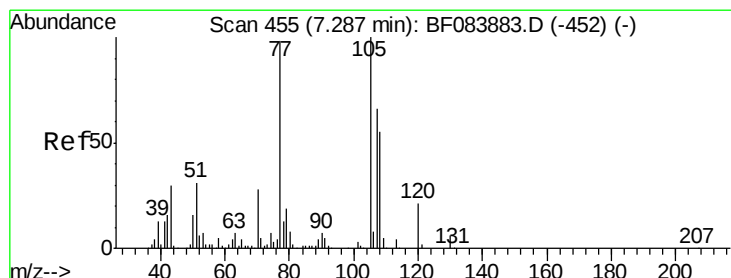
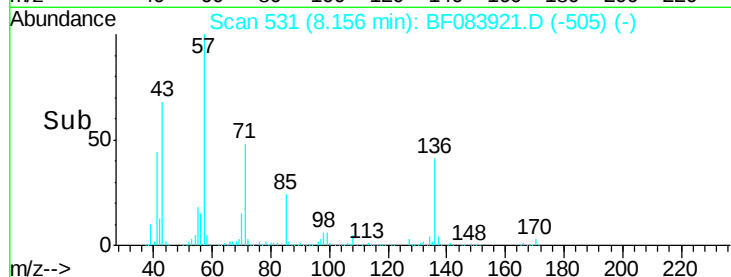
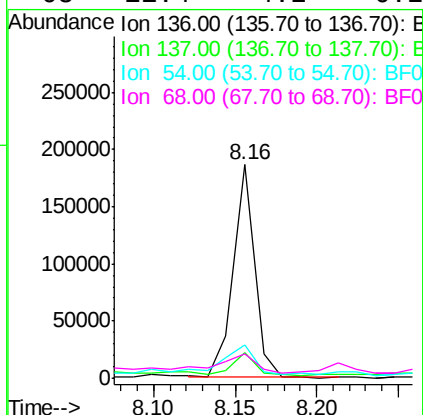
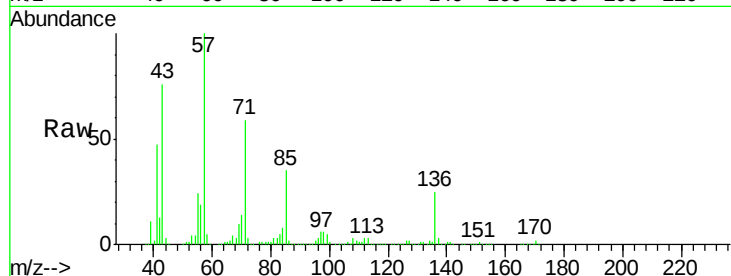




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.00 min
Lab File: BF083921.D
Acq: 18 Dec 2015 19:03

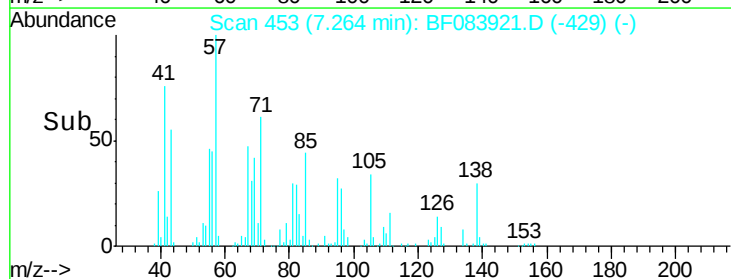
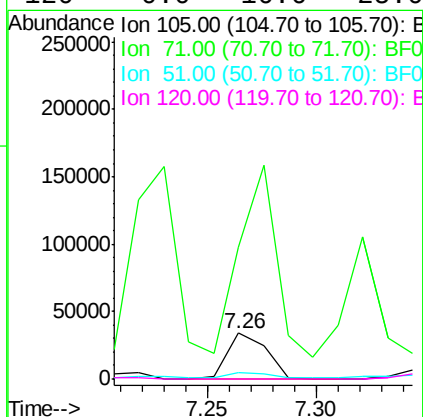
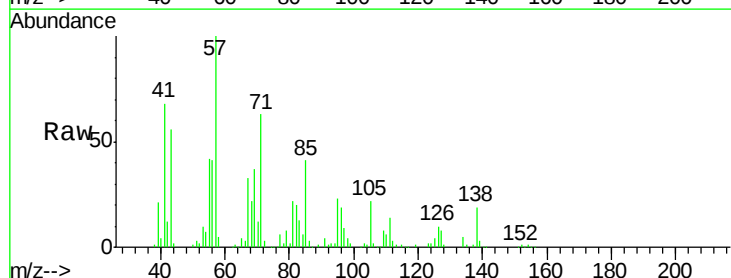
Instrument :
BNA_F
ClientSampleId :
LAR-9873

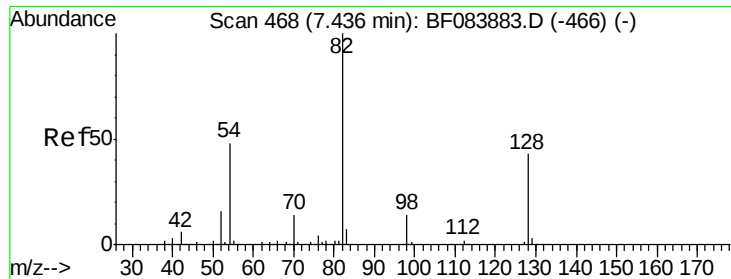
Tgt Ion:	136	Resp:	167444
Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.7	13.1
54	15.8	5.8	8.8#
68	11.4	4.2	6.2#



#22
Acetophenone
Concen: 10.45 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.02 min
Lab File: BF083921.D
Acq: 18 Dec 2015 19:03

Tgt Ion:	105	Resp:	42127
Ion	Ratio	Lower	Upper
105	100		
71	291.1	3.7	5.5#
51	15.0	25.1	37.7#
120	0.0	16.6	25.0#

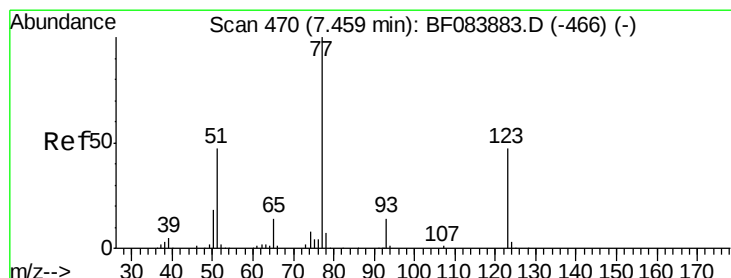
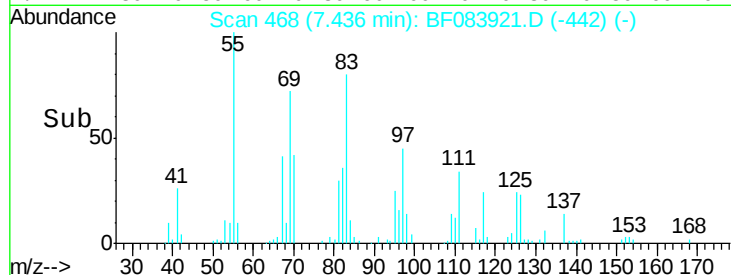
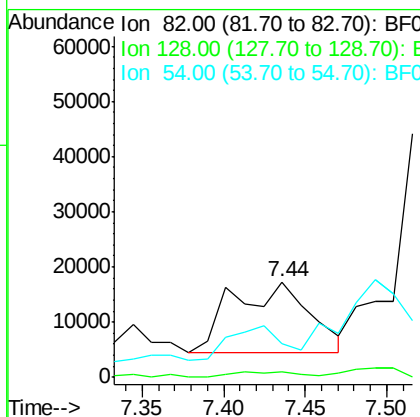
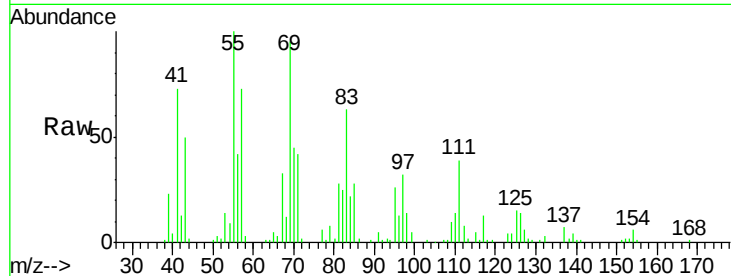




#23
 Nitrobenzene-d5
 Concen: 14.31 ng
 RT: 7.44 min Scan# 468
 Delta R.T. -0.00 min
 Lab File: BF083921.D
 Acq: 18 Dec 2015 19:03

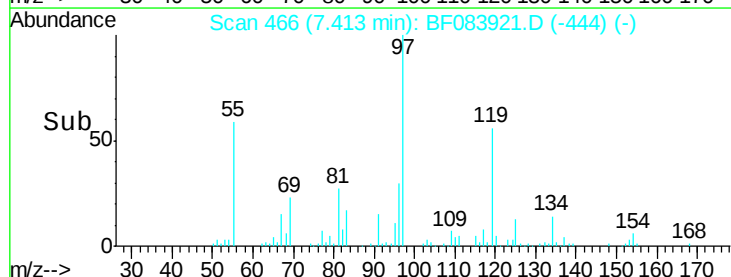
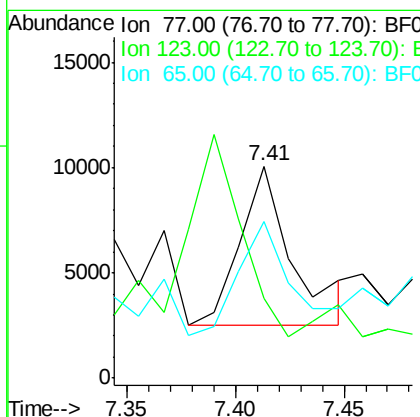
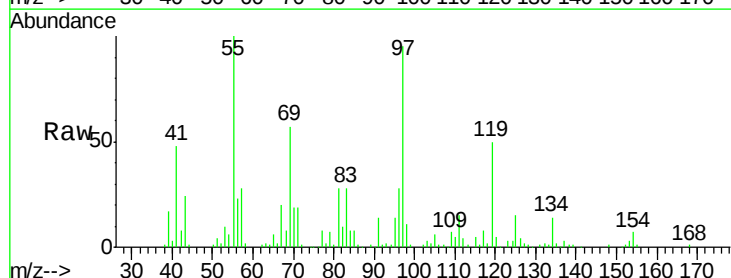
Instrument :
 BNA_F
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 LAR-9873

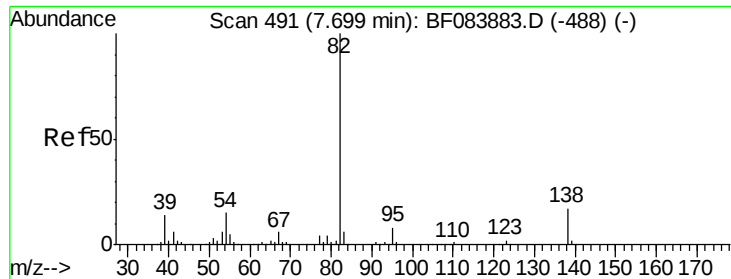
Tgt Ion: 82 Resp: 41978
 Ion Ratio Lower Upper
 82 100
 128 6.4 34.6 51.8#
 54 34.7 38.4 57.6#



#24
 Nitrobenzene
 Concen: 4.22 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.05 min
 Lab File: BF083921.D
 Acq: 18 Dec 2015 19:03

Tgt Ion: 77 Resp: 12792
 Ion Ratio Lower Upper
 77 100
 123 37.6 37.4 56.2
 65 73.9 10.9 16.3#

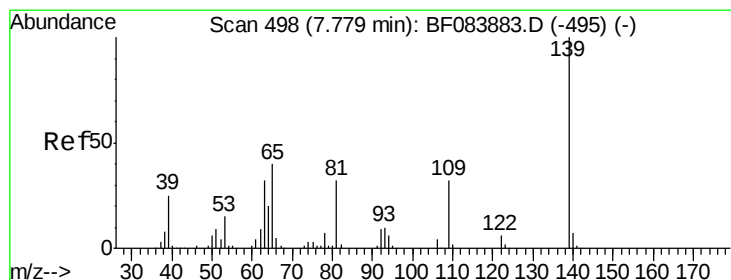
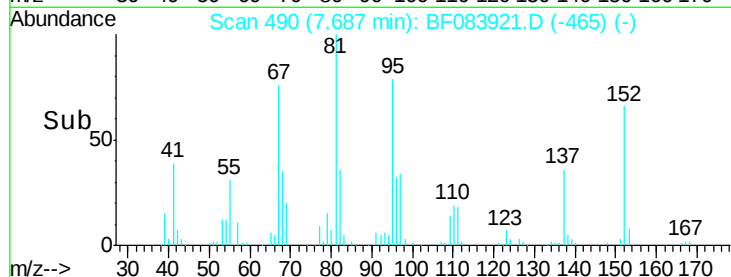
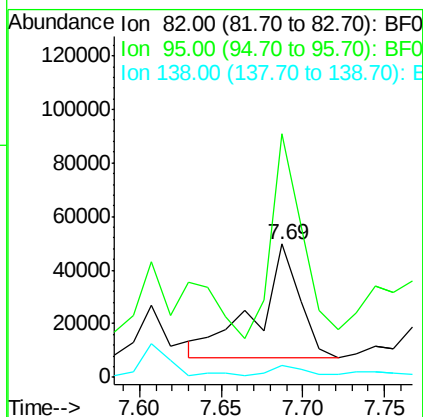
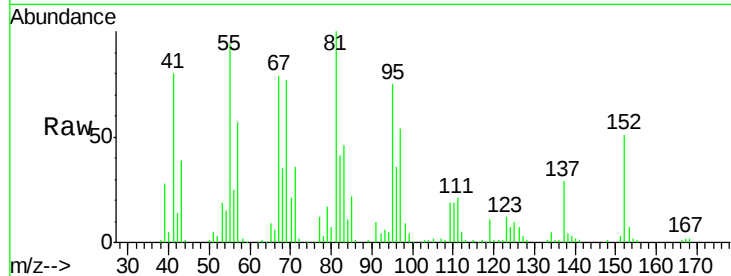




#25
Isophorone
Concen: 13.88 ng
RT: 7.69 min Scan# 490
Delta R.T. -0.01 min
Lab File: BF083921.D
Acq: 18 Dec 2015 19:03

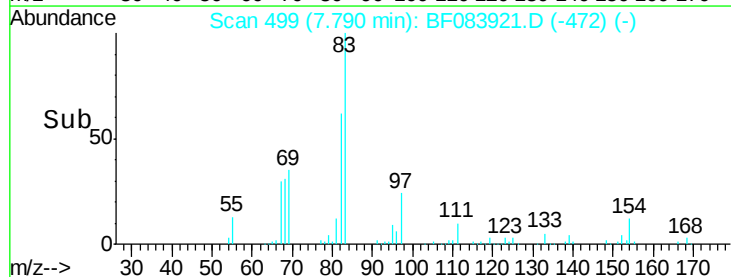
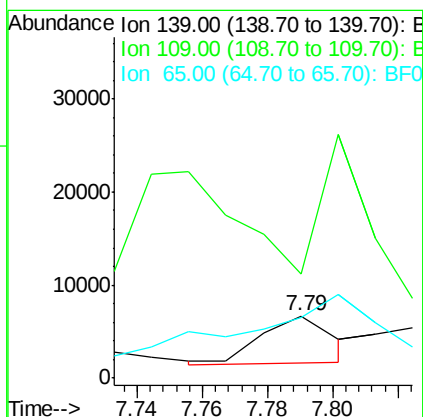
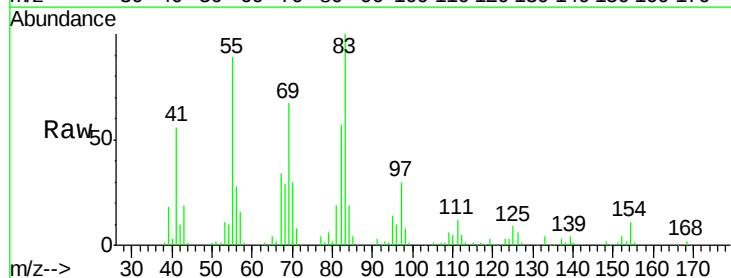
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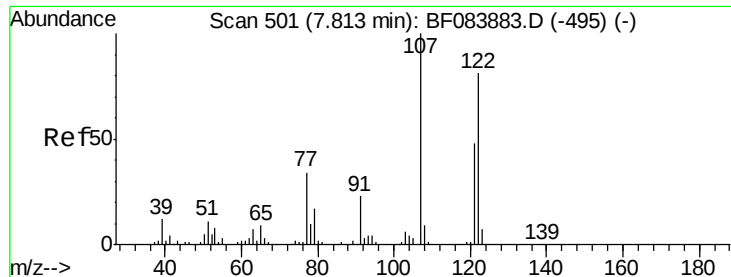
Tgt Ion: 82 Resp: 76646
Ion Ratio Lower Upper
82 100
95 182.6 6.6 10.0#
138 9.4 13.6 20.4#



#26
2-Nitrophenol
Concen: 4.96 ng
RT: 7.79 min Scan# 499
Delta R.T. 0.01 min
Lab File: BF083921.D
Acq: 18 Dec 2015 19:03

Tgt Ion: 139 Resp: 7784
Ion Ratio Lower Upper
139 100
109 167.6 25.4 38.2#
65 97.1 32.3 48.5#





#27

2,4-Dimethylphenol

Concen: 2.81 ng

RT: 7.81 min Scan# 501

Delta R.T. -0.00 min

Lab File: BF083921.D

Acq: 18 Dec 2015 19:03

Instrument :

BNA_F

ClientSampleId :

LAR-9873

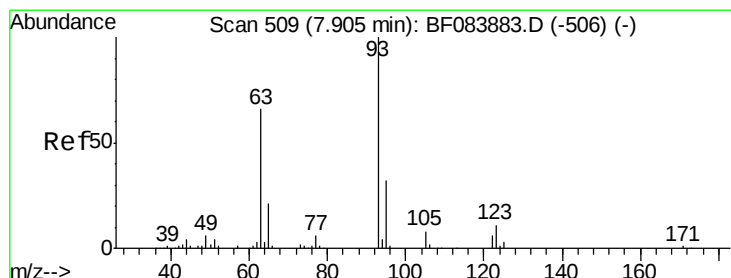
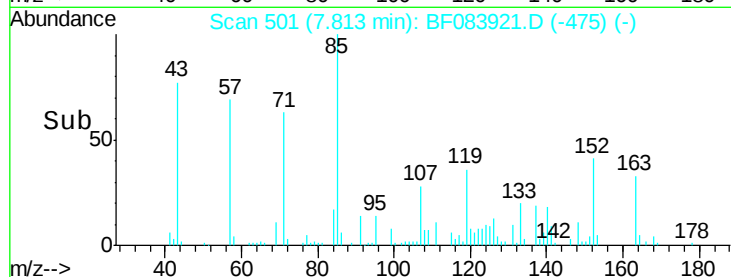
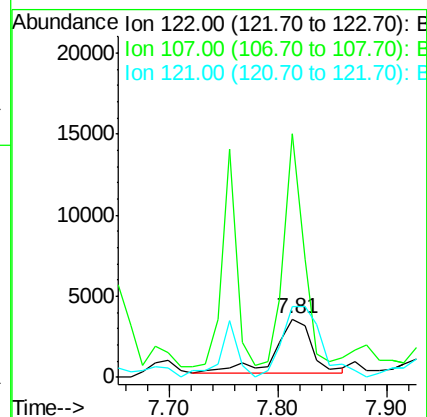
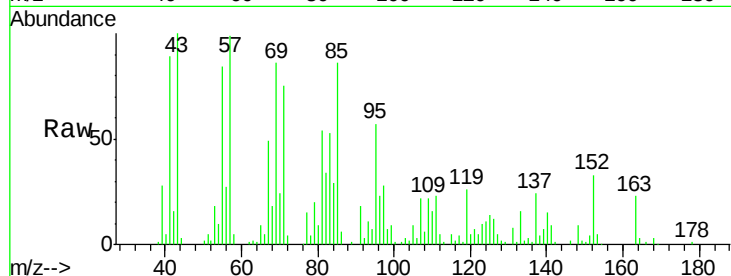
Tgt Ion: 122 Resp: 7595

Ion Ratio Lower Upper

122 100

107 416.2 99.1 148.7#

121 122.1 47.9 71.9#



#28

bis(2-Chloroethoxy)methane

Concen: 2.75 ng

RT: 7.95 min Scan# 513

Delta R.T. 0.05 min

Lab File: BF083921.D

Acq: 18 Dec 2015 19:03

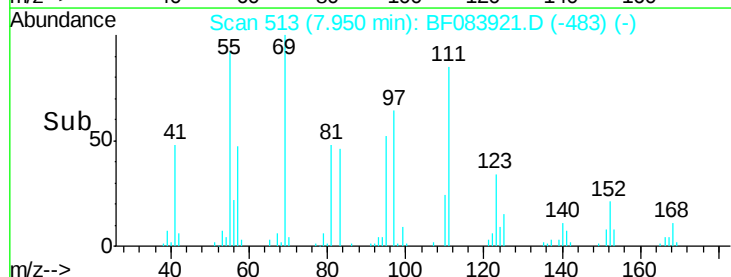
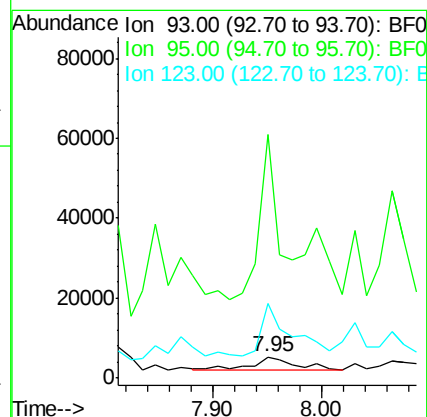
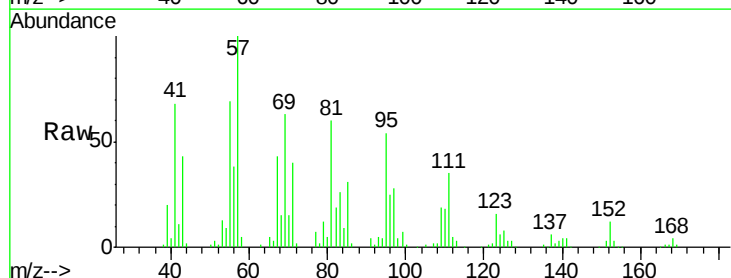
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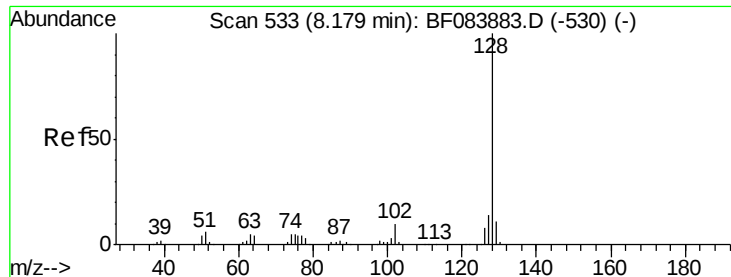
Ion Ratio Lower Upper

93 100

95 1157.0 25.8 38.6#

123 352.3 8.6 12.8#

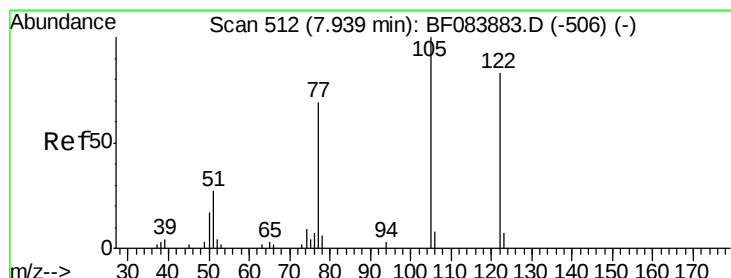
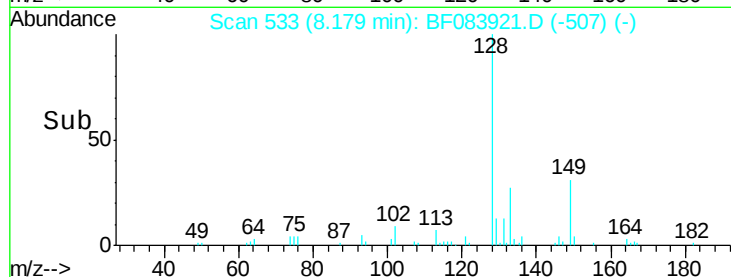
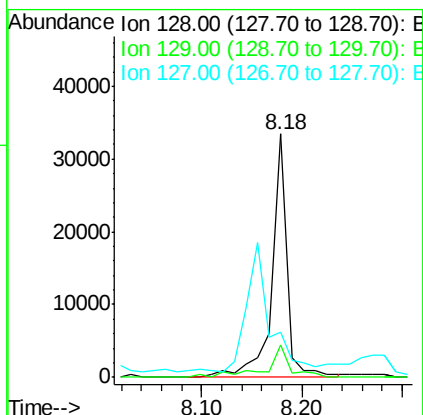
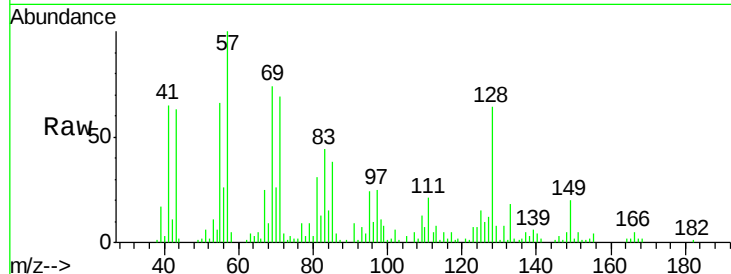




#31
Naphthalene
Concen: 2.06 ng
RT: 8.18 min Scan# 533
Delta R.T. 0.00 min
Lab File: BF083921.D
Acq: 18 Dec 2015 19:03

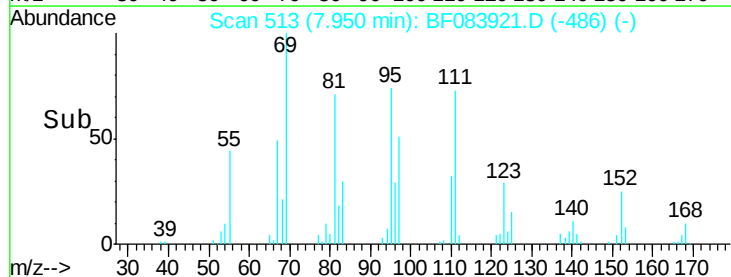
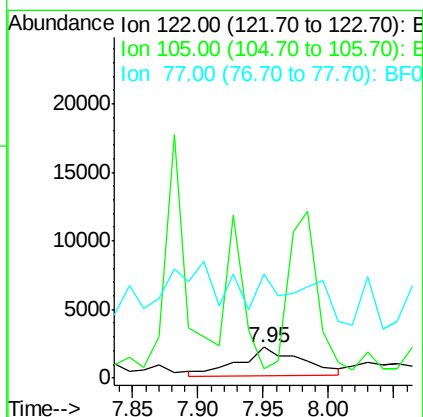
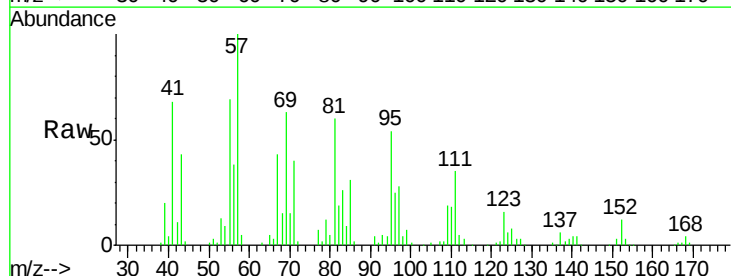
Instrument :
BNA_F
ClientSampleId :
LAR-9873

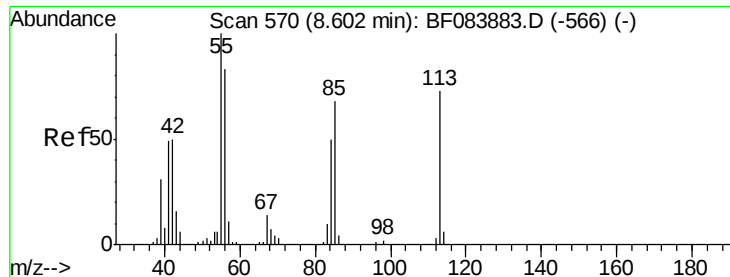
Tgt Ion:128 Resp: 35095
Ion Ratio Lower Upper
128 100
129 13.2 9.1 13.7
127 18.7 11.1 16.7#



#32
Benzoic acid
Concen: 10.74 ng
RT: 7.95 min Scan# 513
Delta R.T. 0.01 min
Lab File: BF083921.D
Acq: 18 Dec 2015 19:03

Tgt Ion:122 Resp: 6968
Ion Ratio Lower Upper
122 100
105 31.8 100.3 140.3#
77 337.6 63.5 103.5#





#35

Caprolactam

Concen: 10.73 ng

RT: 8.58 min Scan# 568

Delta R.T. -0.02 min

Lab File: BF083921.D

Acq: 18 Dec 2015 19:03

Instrument :

BNA_F

ClientSampleId :

LAR-9873

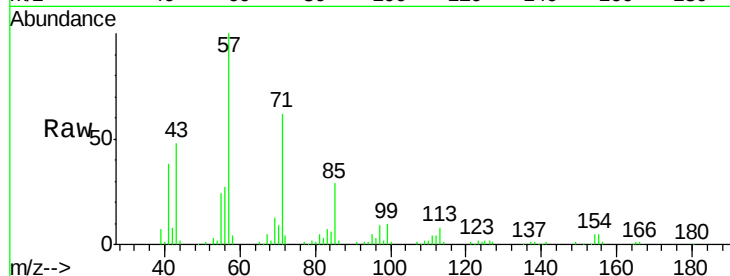
Tgt Ion:113 Resp: 8704

Ion Ratio Lower Upper

113 100

55 317.1 116.9 156.9#

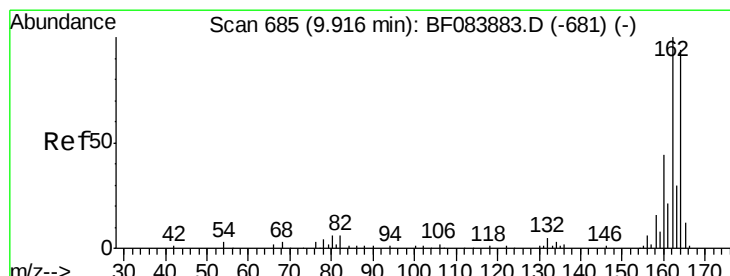
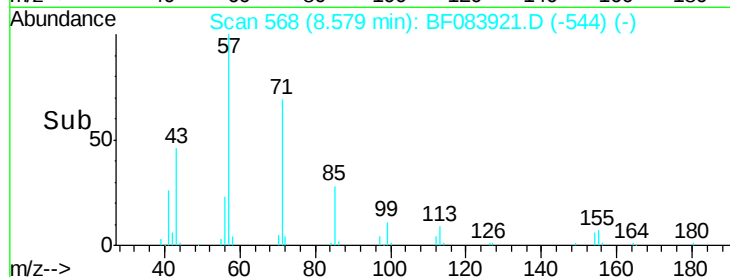
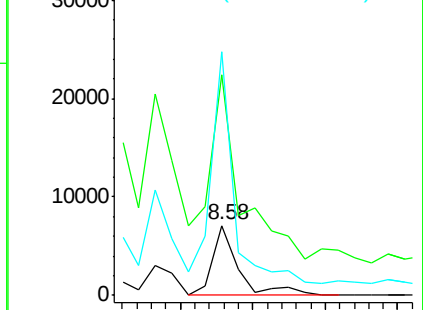
56 349.6 93.8 133.8#



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: BF083921.D

Acq: 18 Dec 2015 19:03

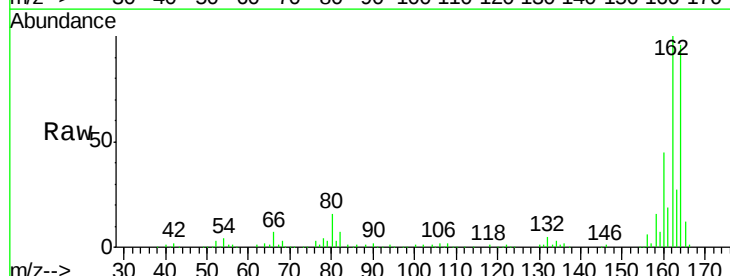
Tgt Ion:164 Resp: 137811

Ion Ratio Lower Upper

164 100

162 104.2 85.1 127.7

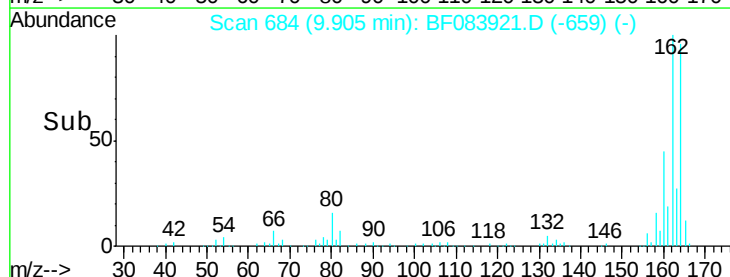
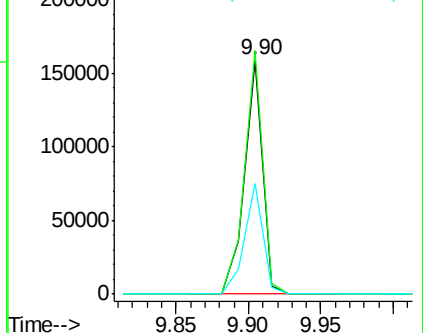
160 47.0 37.5 56.3

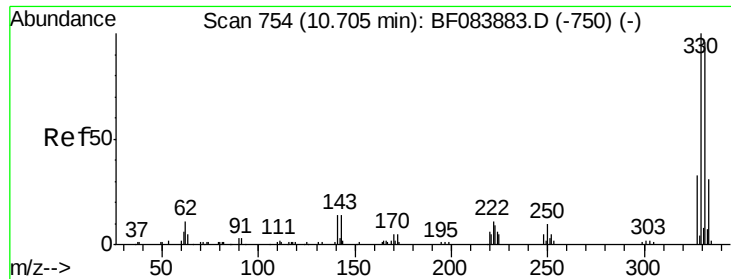


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

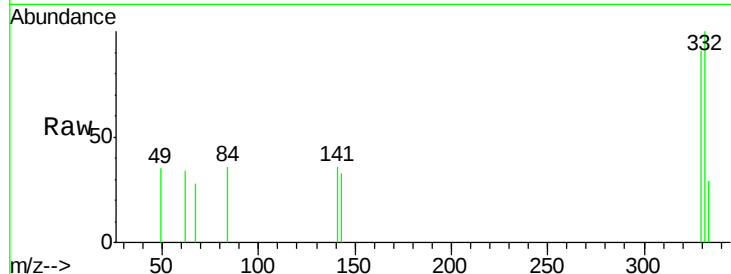




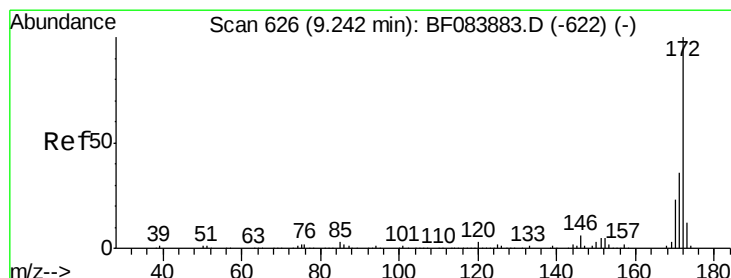
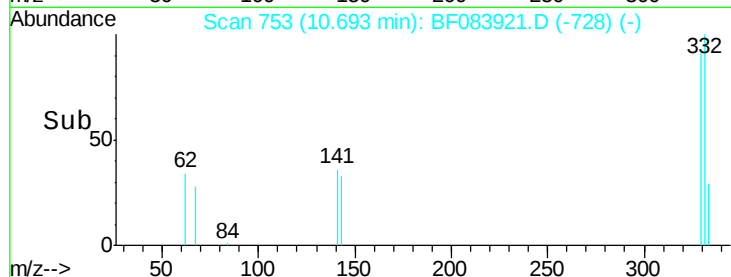
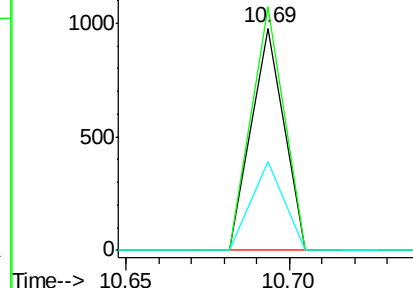
#41
 2,4,6-Tribromophenol
 Concen: 0.44 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: BF083921.D
 Acq: 18 Dec 2015 19:03

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9873

Tgt Ion:330 Resp: 670
 Ion Ratio Lower Upper
 330 100
 332 109.7 76.6 114.8
 141 39.9 27.8 41.6

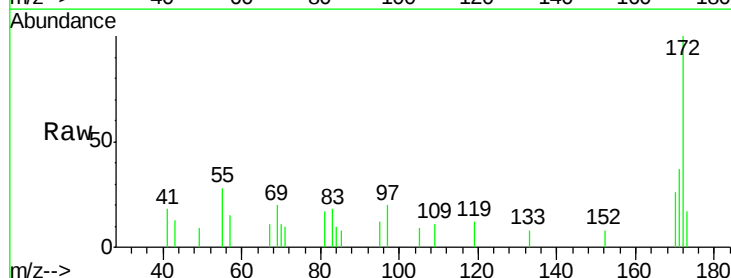


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

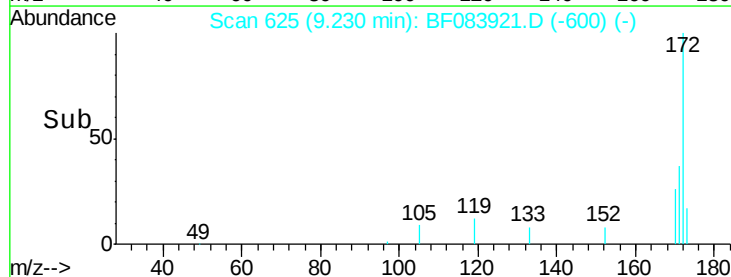
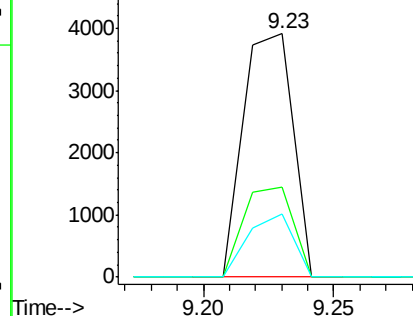


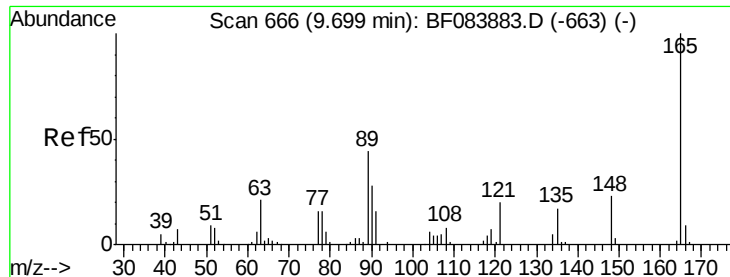
#44
 2-Fluorobiphenyl
 Concen: -1.00 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF083921.D
 Acq: 18 Dec 2015 19:03

Tgt Ion:172 Resp: 5250
 Ion Ratio Lower Upper
 172 100
 171 36.9 28.9 43.3
 170 26.1 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

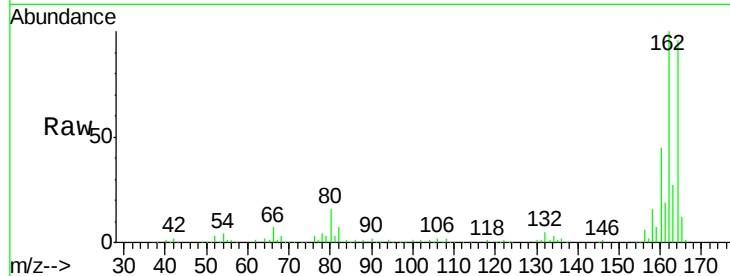




#50
 2,6-Dinitrotoluene
 Concen: 6.94 ng
 RT: 9.90 min Scan# 684
 Delta R.T. 0.21 min
 Lab File: BF083921.D
 Acq: 18 Dec 2015 19:03

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9873

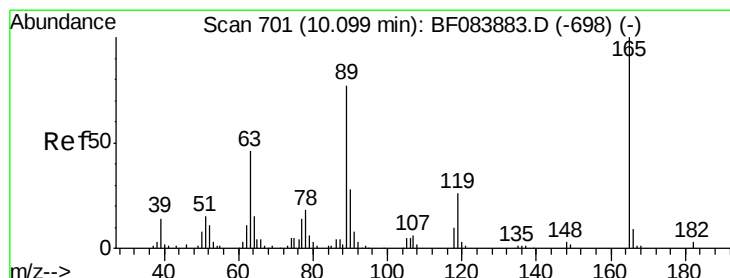
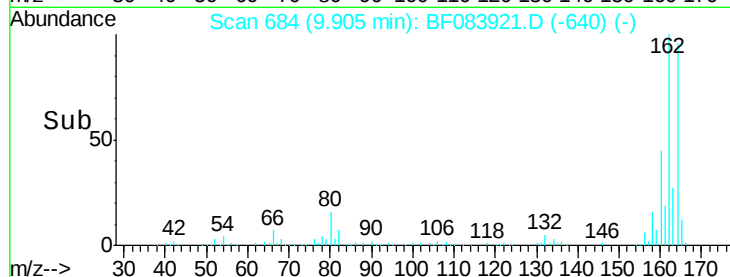
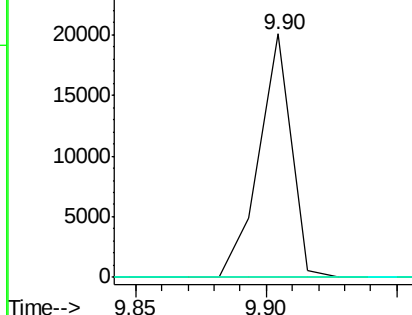
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.8	43.2#
89	0.0	35.1	52.7#



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: 5.41 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.19 min
 Lab File: BF083921.D
 Acq: 18 Dec 2015 19:03

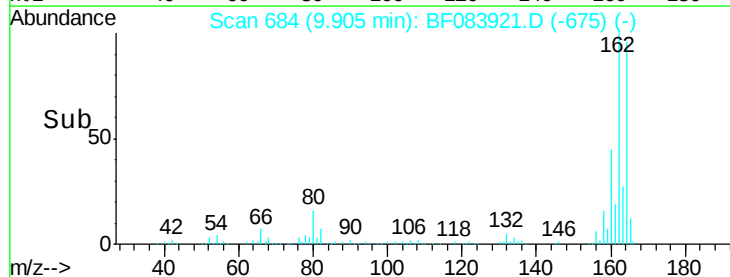
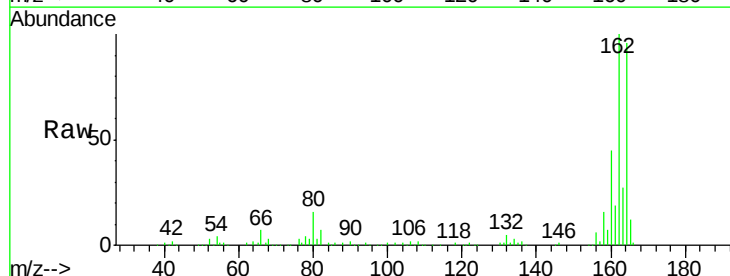
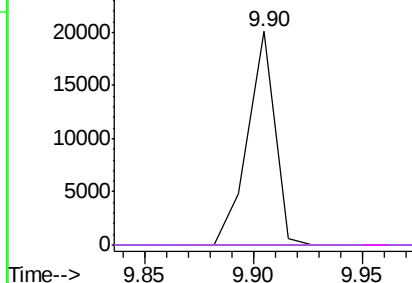
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.7	55.1#
89	0.0	61.9	92.9#
182	0.0	2.0	3.0#

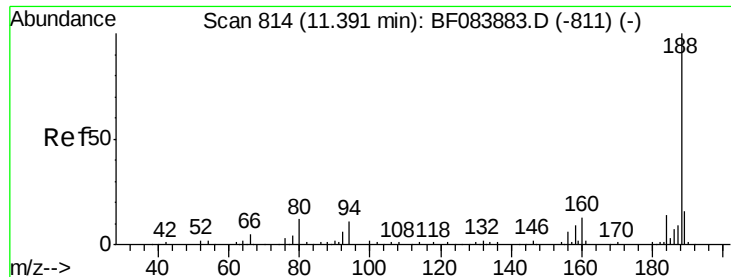
Abundance Ion 165.00 (164.70 to 165.70): E

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

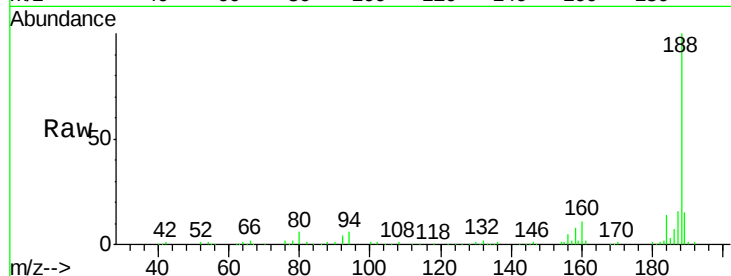




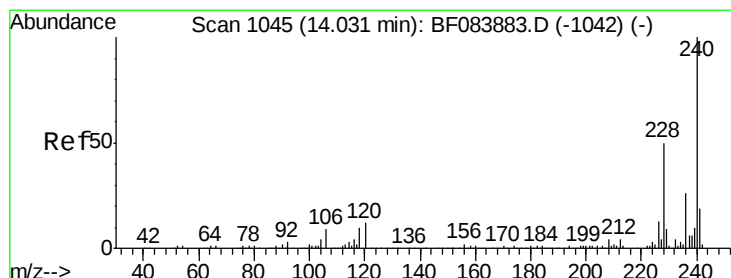
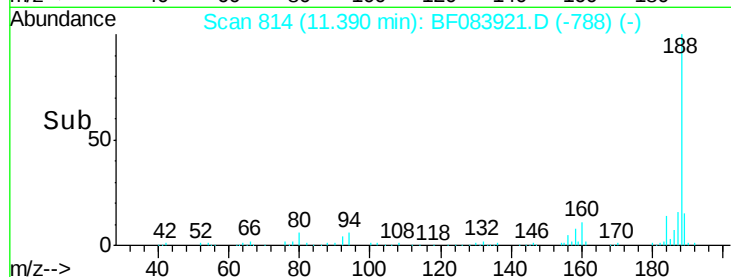
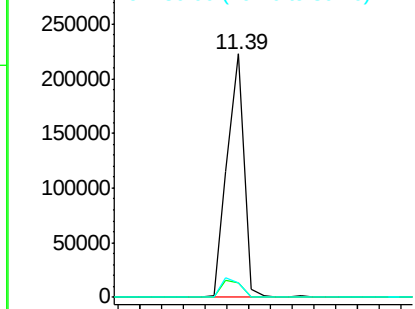
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF083921.D
Acq: 18 Dec 2015 19:03

Instrument :
BNA_F
ClientSampleId :
LAR-9873

Tgt Ion:188 Resp: 240060
Ion Ratio Lower Upper
188 100
94 6.1 9.0 13.4#
80 6.1 9.6 14.4#

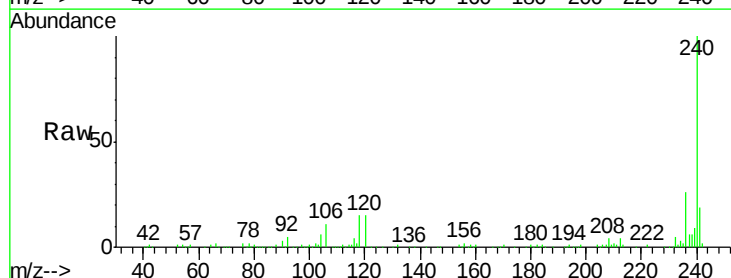


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

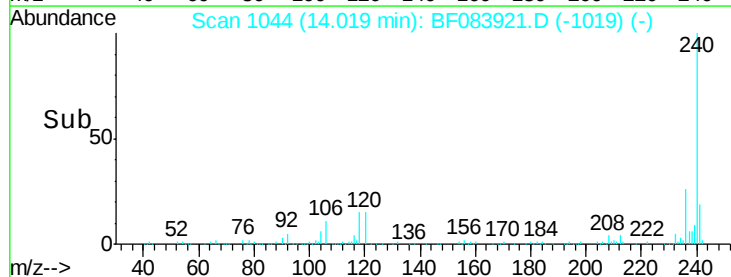
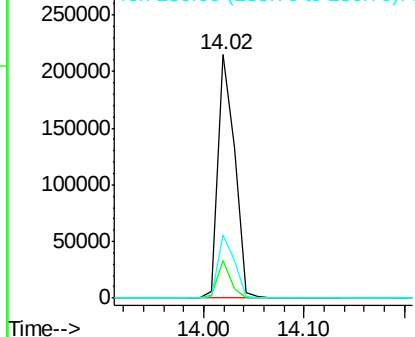


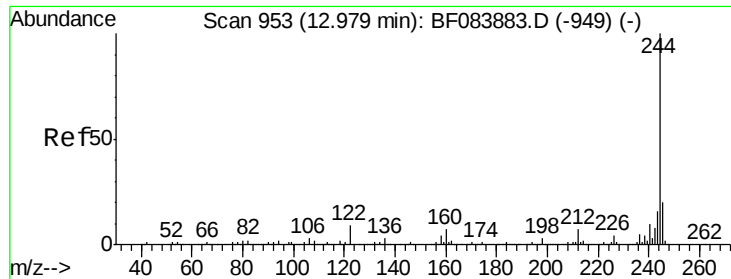
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BF083921.D
Acq: 18 Dec 2015 19:03

Tgt Ion:240 Resp: 248974
Ion Ratio Lower Upper
240 100
120 15.3 9.5 14.3#
236 26.2 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

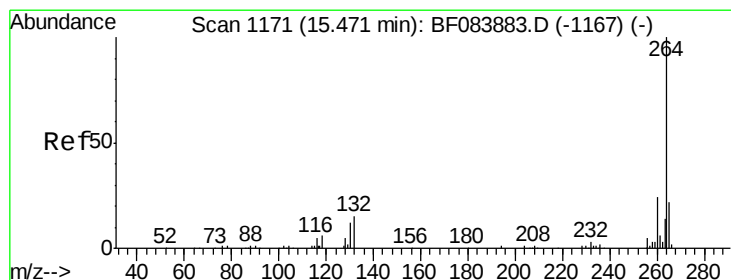
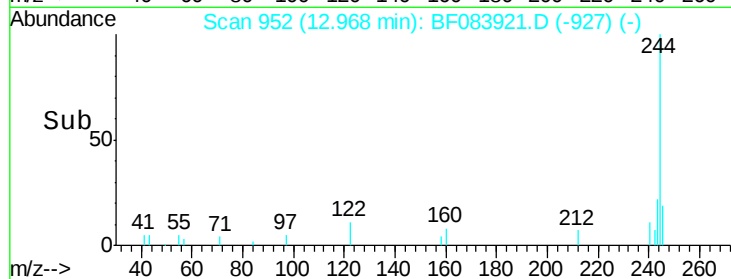
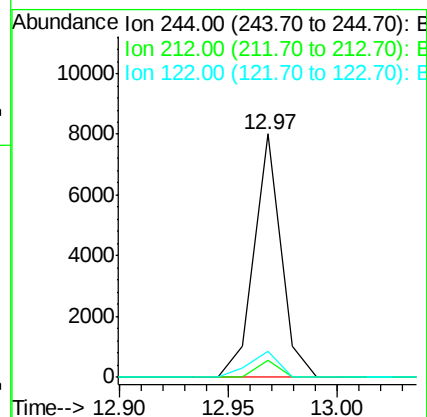
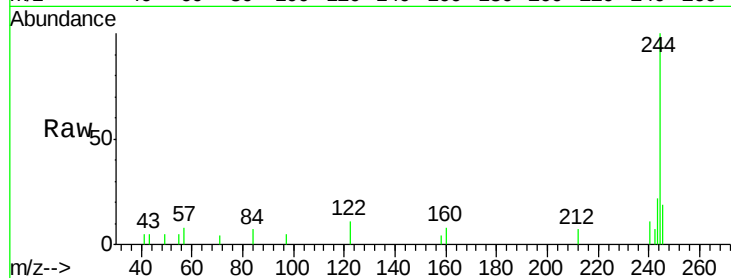




#78
 Terphenyl-d14
 Concen: -6.07 ng
 RT: 12.97 min Scan# 952
 Delta R.T. -0.01 min
 Lab File: BF083921.D
 Acq: 18 Dec 2015 19:03

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9873

Tgt Ion:244 Resp: 6905
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 10.6 7.4 11.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.46 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: BF083921.D
 Acq: 18 Dec 2015 19:03

Tgt Ion:264 Resp: 198145
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.4 29.2
 265 21.6 17.8 26.6

