

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122015\
 Data File : BF083972.D
 Acq On : 19 Dec 2015 23:26
 Operator : UM/SJ
 Sample : G4823-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9879-B

Quant Time: Dec 21 01:02:39 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

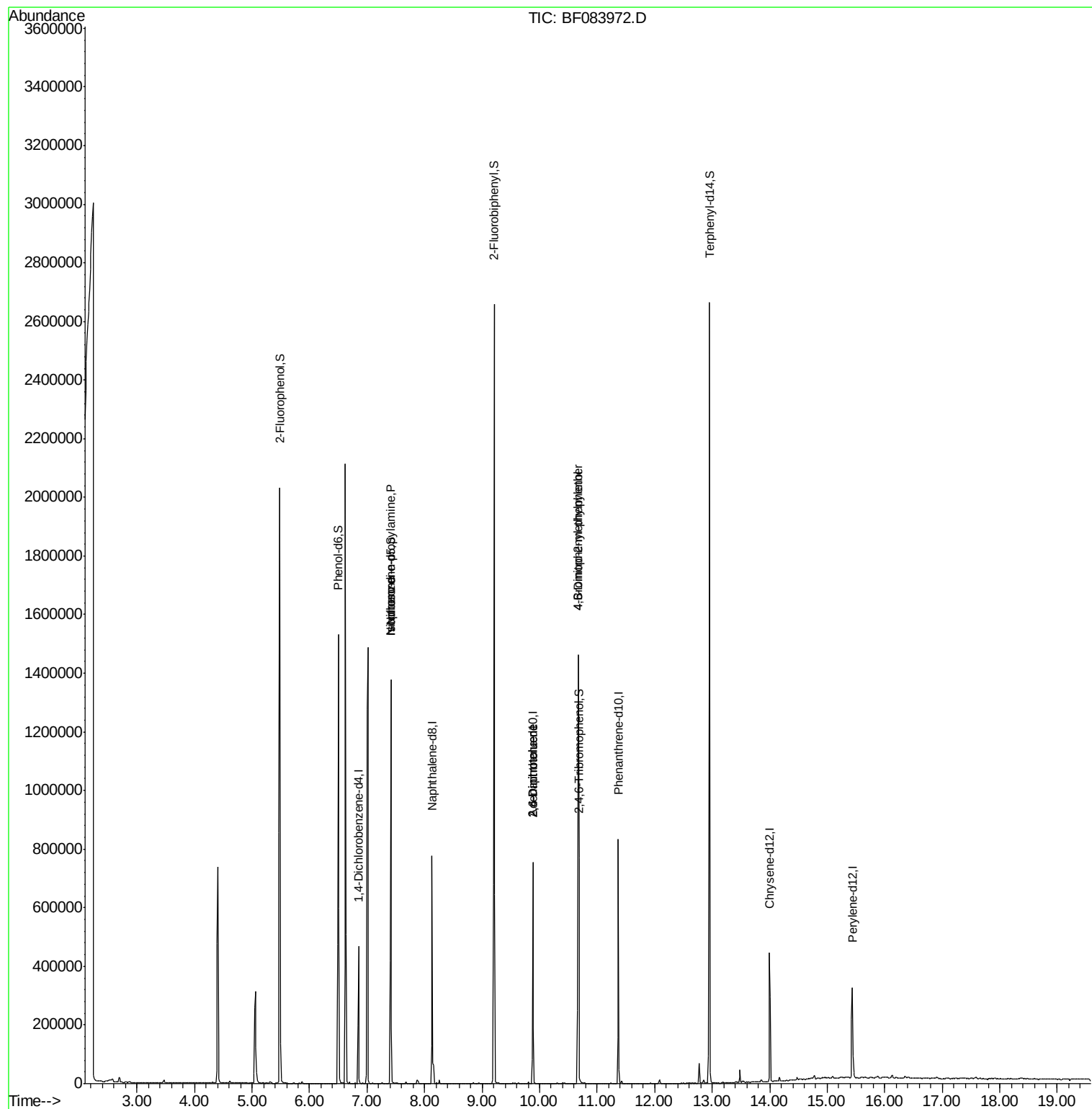
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	82816	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	338198	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	150554	20.00	ng	-0.03
63) Phenanthrene-d10	11.37	188	287785	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	191155	20.00	ng	-0.03
86) Perylene-d12	15.44	264	153503	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	611914	115.63	ng	0.00
7) Phenol-d6	6.50	99	693352	107.04	ng	-0.01
23) Nitrobenzene-d5	7.41	82	476909	80.48	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	239602	144.46	ng	-0.02
44) 2-Fluorobiphenyl	9.21	172	937193	87.88	ng	-0.03
78) Terphenyl-d14	12.96	244	954322	119.25	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	66695	17.66	ng	# 76
25) Isophorone	7.41	82	375117	33.64	ng	# 66
31) Naphthalene	8.16	128	28723	Below Cal		98
45) 1,1'-Biphenyl	9.21	154	2029	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.88	165	19298	7.00	ng	# 37
56) 2,4-Dinitrotoluene	9.88	165	19299	5.46	ng	# 21
57) Fluorene	10.43	166	476	Below Cal	#	86
64) 4,6-Dinitro-2-methylphenol	10.67	198	347	4.11	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	14787	4.20	ng	# 1
77) Pyrene	12.81	202	359	Below Cal	#	57

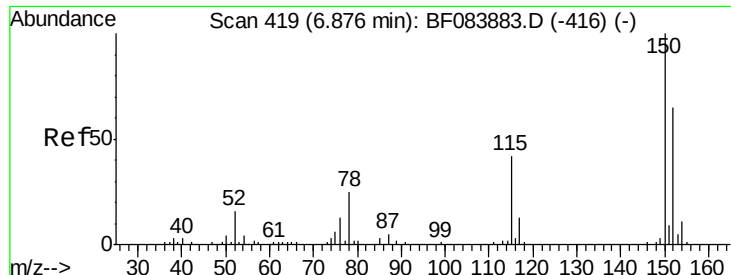
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.02 min

Lab File: BF083972.D

Acq: 19 Dec 2015 23:26

Instrument :

BNA_F

ClientSampleId :

LAR-9879-B

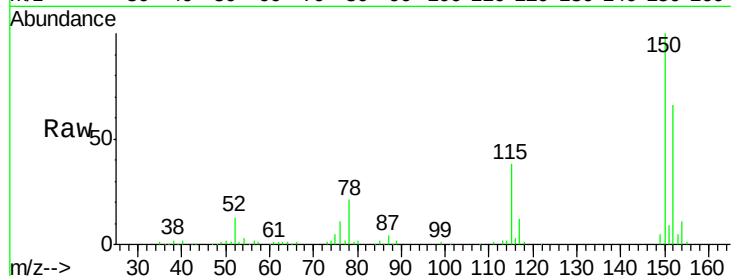
Tgt Ion:152 Resp: 82816

Ion Ratio Lower Upper

152 100

150 151.8 123.0 184.4

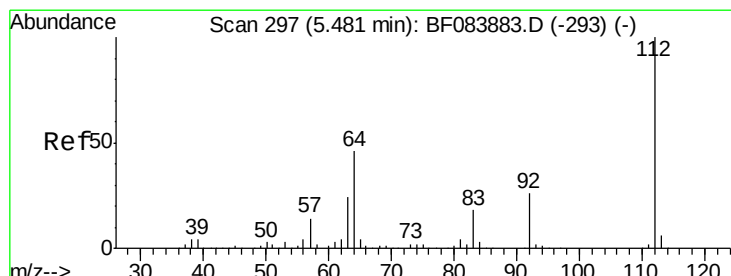
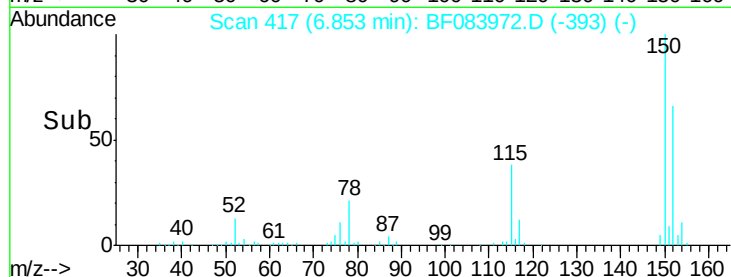
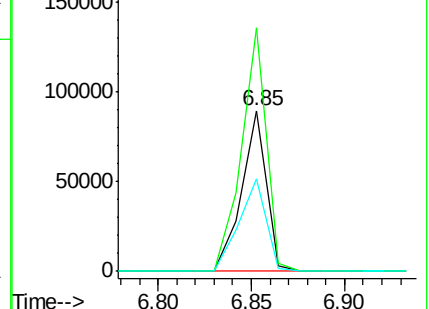
115 57.4 51.4 77.2



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: 115.63 ng

RT: 5.48 min Scan# 297

Delta R.T. -0.00 min

Lab File: BF083972.D

Acq: 19 Dec 2015 23:26

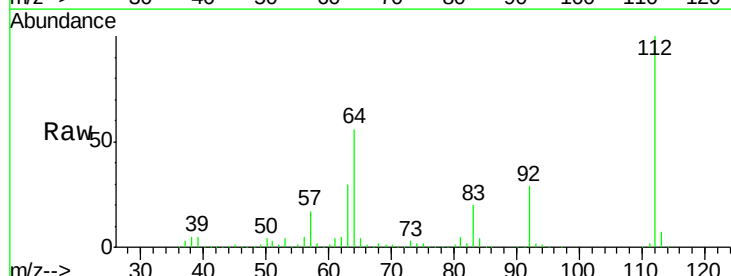
Tgt Ion:112 Resp: 611914

Ion Ratio Lower Upper

112 100

64 55.6 36.6 55.0#

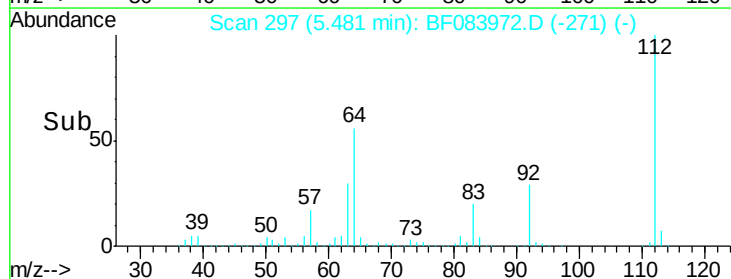
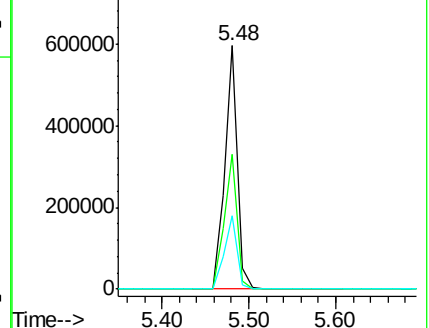
63 30.1 19.4 29.0#

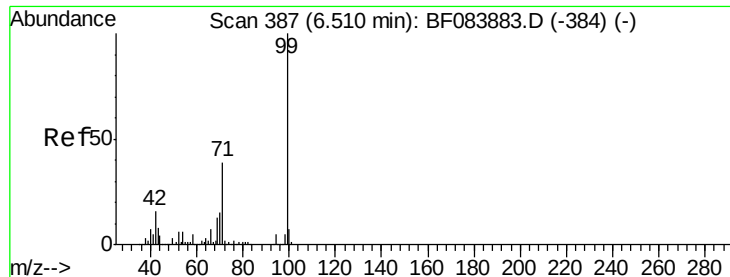


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 107.04 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF083972.D

Acq: 19 Dec 2015 23:26

Instrument :

BNA_F

ClientSampleId :

LAR-9879-B

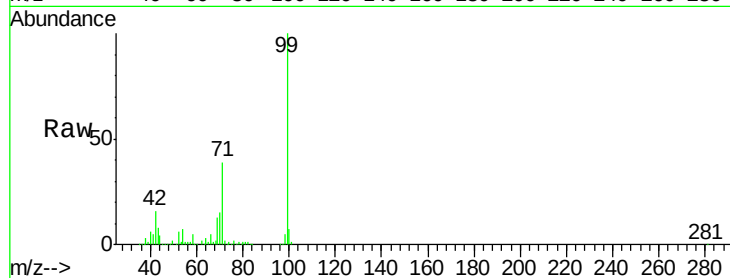
Tgt Ion: 99 Resp: 693352

Ion Ratio Lower Upper

99 100

42 16.5 12.8 19.2

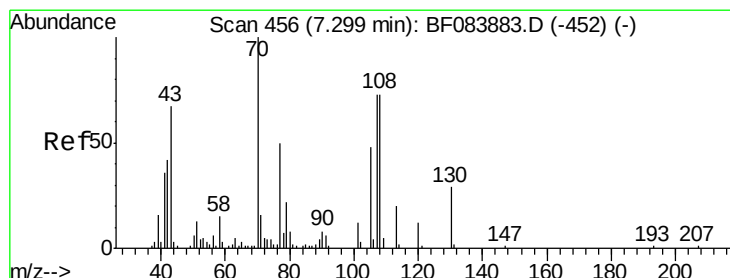
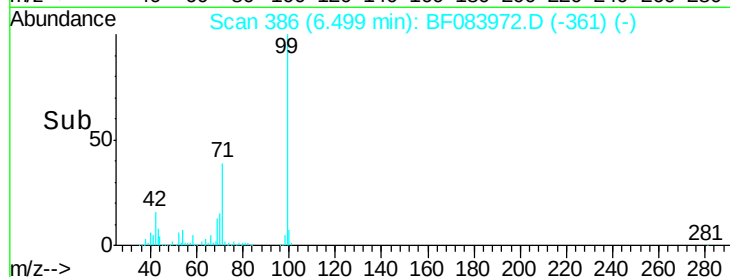
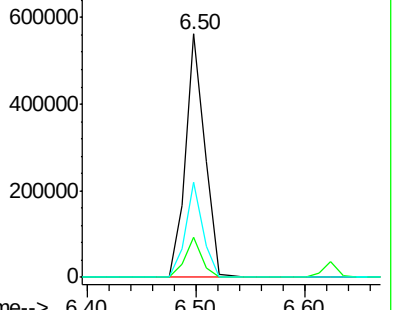
71 38.9 30.9 46.3



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: 17.66 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.11 min

Lab File: BF083972.D

Acq: 19 Dec 2015 23:26

Tgt Ion: 70 Resp: 66695

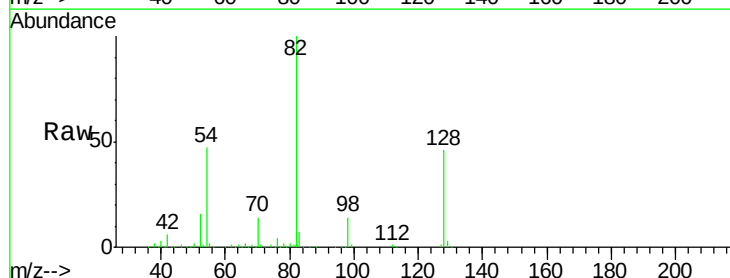
Ion Ratio Lower Upper

70 100

42 39.6 33.3 49.9

101 0.0 9.3 13.9#

130 2.0 23.4 35.0#

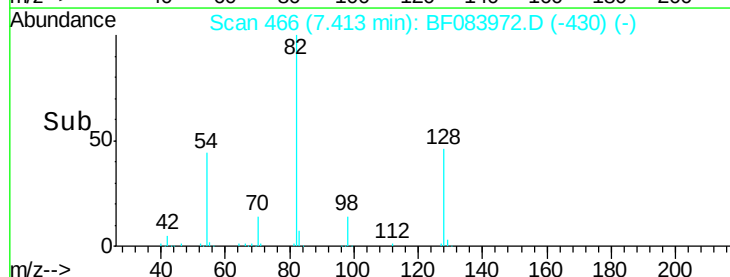
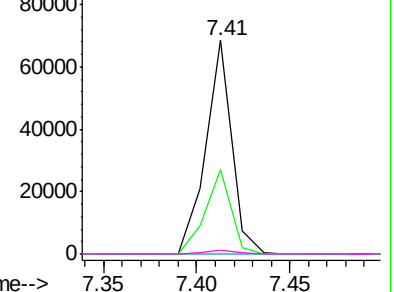


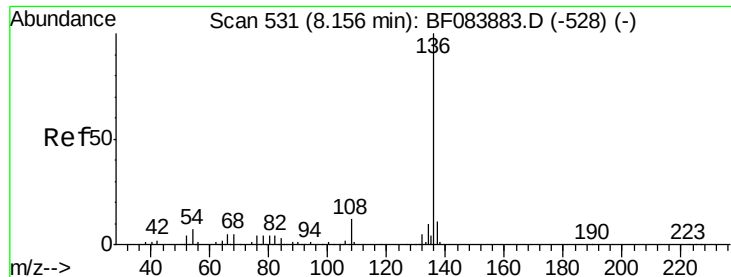
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.13 min Scan# 529

Delta R.T. -0.02 min

Lab File: BF083972.D

Acq: 19 Dec 2015 23:26

Instrument :

BNA_F

ClientSampleId :

LAR-9879-B

Tgt Ion:136 Resp: 338198

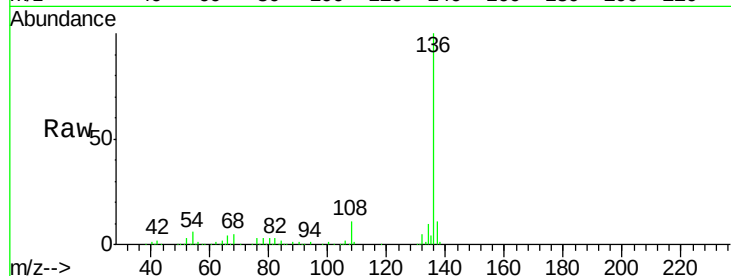
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 5.9 5.8 8.8

68 4.6 4.2 6.2

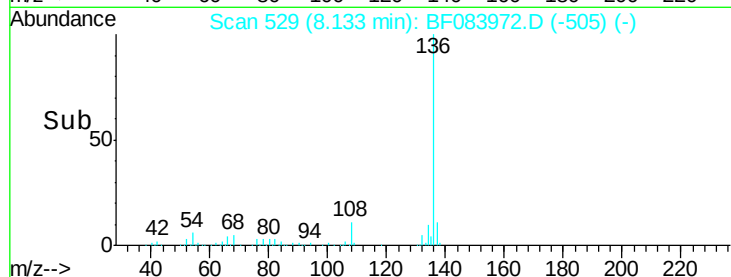


Abundance Ion 136.00 (135.70 to 136.70): E

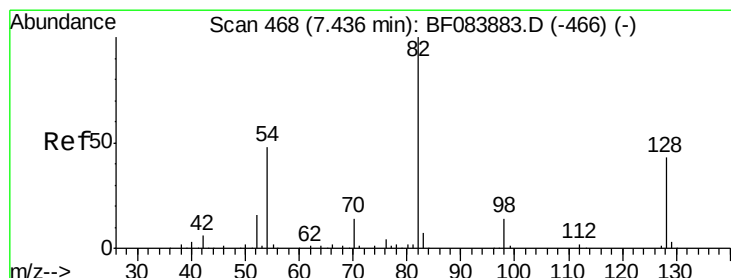
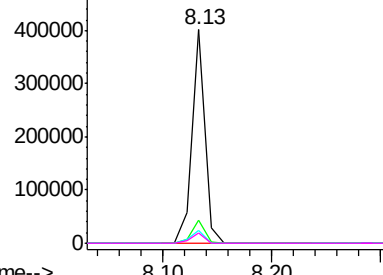
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 80.48 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.02 min

Lab File: BF083972.D

Acq: 19 Dec 2015 23:26

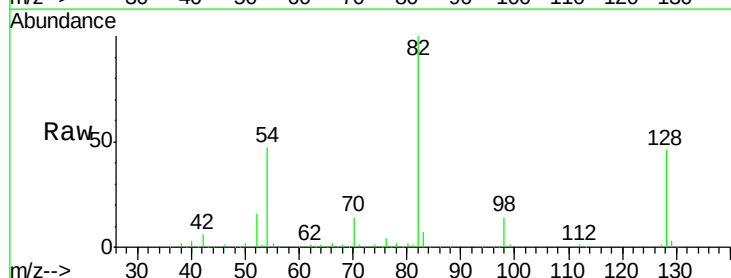
Tgt Ion: 82 Resp: 476909

Ion Ratio Lower Upper

82 100

128 45.5 34.6 51.8

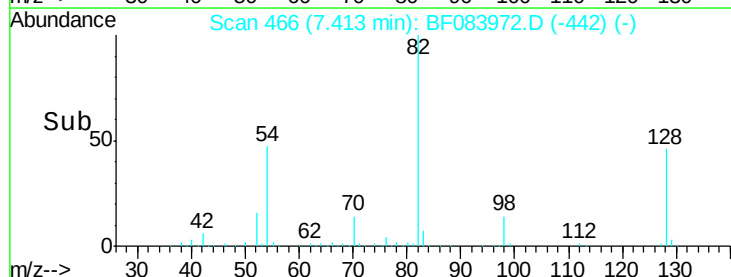
54 47.1 38.4 57.6



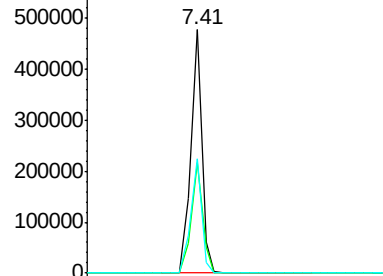
Abundance Ion 82.00 (81.70 to 82.70): BF0

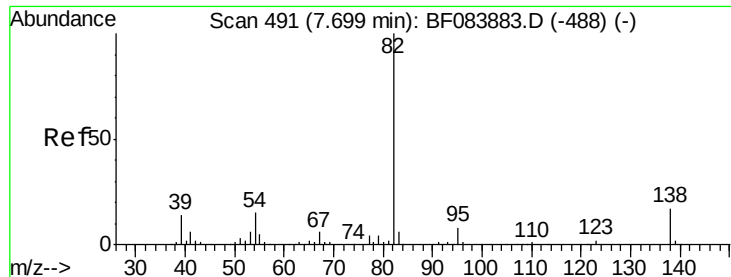
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 33.64 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.29 min

Lab File: BF083972.D

Acq: 19 Dec 2015 23:26

Instrument :

BNA_F

ClientSampleId :

LAR-9879-B

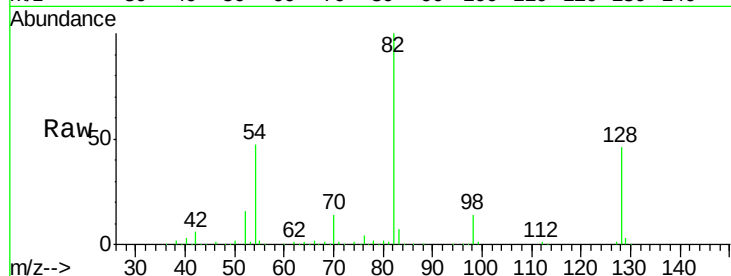
Tgt Ion: 82 Resp: 375117

Ion Ratio Lower Upper

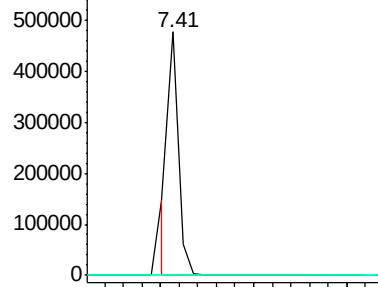
82 100

95 0.0 6.6 10.0#

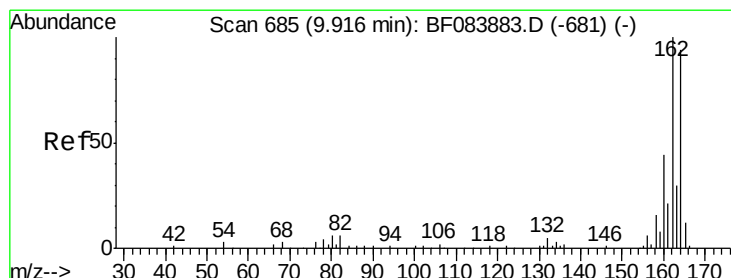
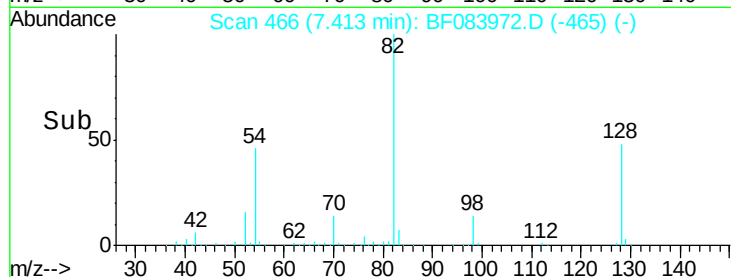
138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.03 min

Lab File: BF083972.D

Acq: 19 Dec 2015 23:26

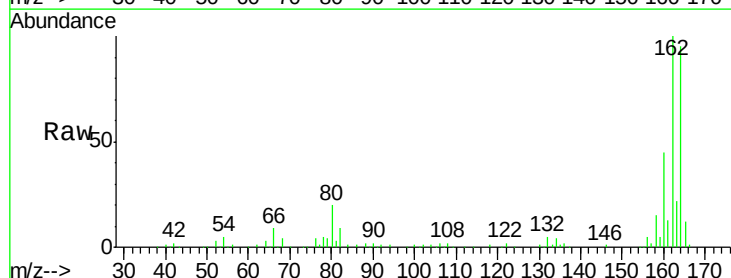
Tgt Ion: 164 Resp: 150554

Ion Ratio Lower Upper

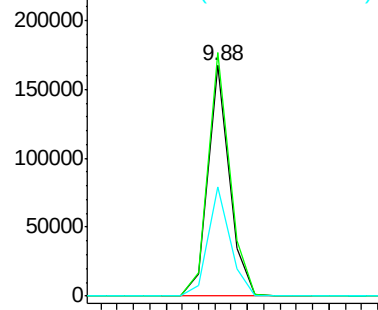
164 100

162 105.6 85.1 127.7

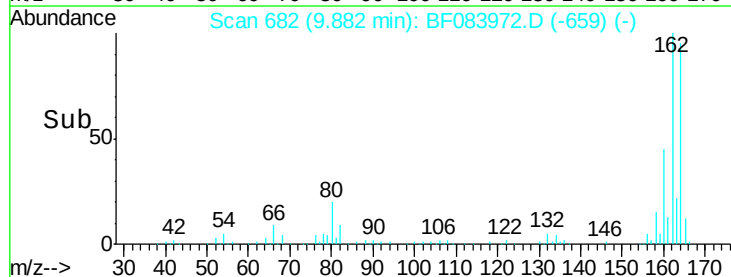
160 47.3 37.5 56.3

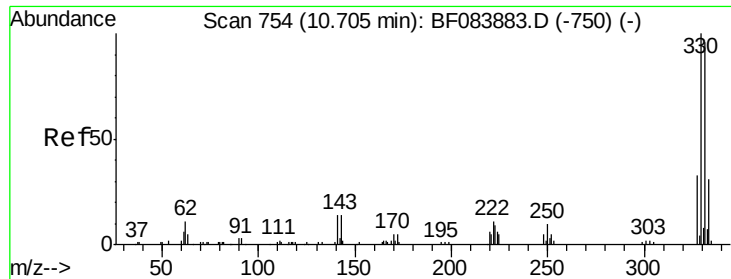


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time-->

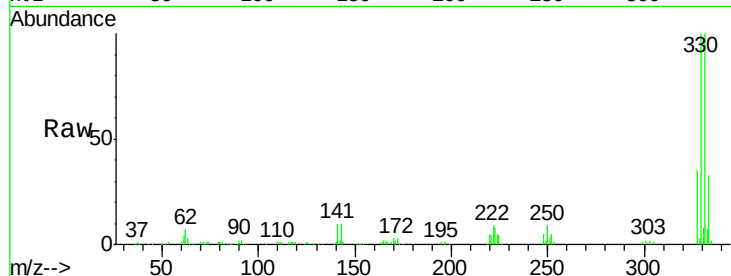




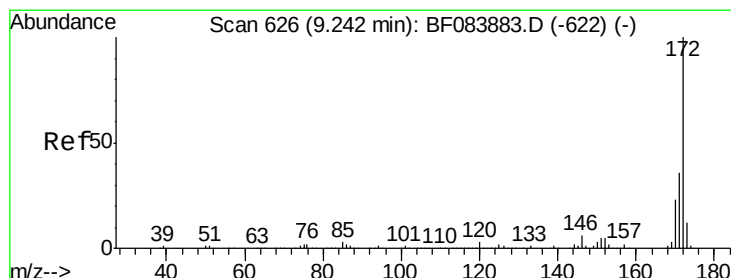
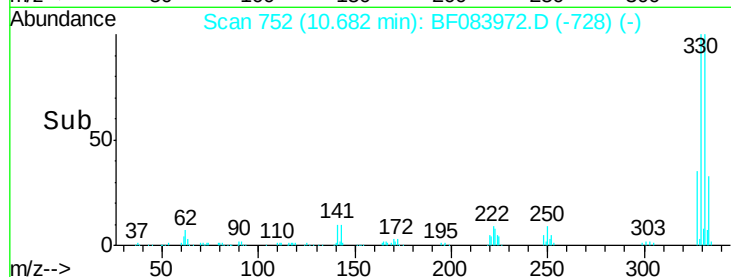
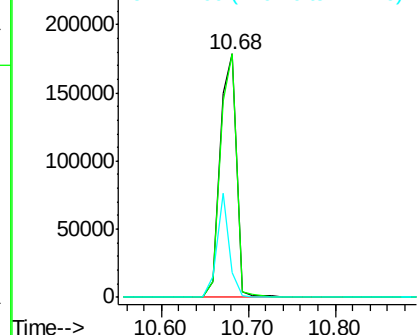
#41
 2,4,6-Tribromophenol
 Concen: 144.46 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.02 min
 Lab File: BF083972.D
 Acq: 19 Dec 2015 23:26

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9879-B

Tgt Ion:330 Resp: 239602
 Ion Ratio Lower Upper
 330 100
 332 98.5 76.6 114.8
 141 32.2 27.8 41.6

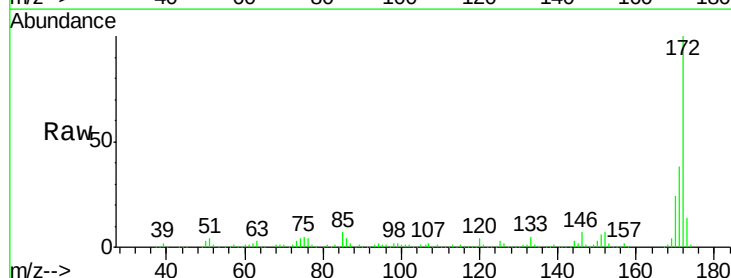


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

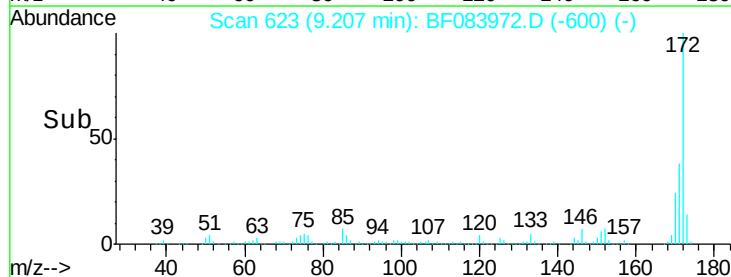
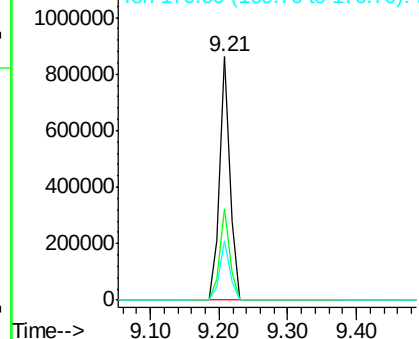


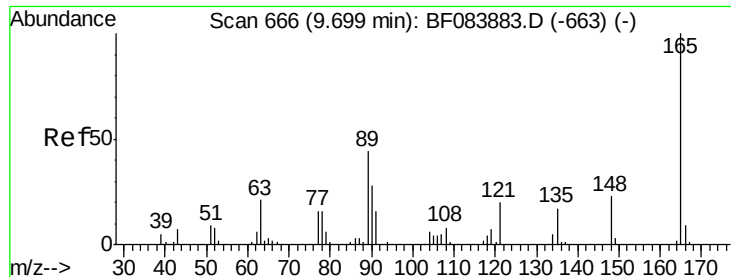
#44
 2-Fluorobiphenyl
 Concen: 87.88 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.03 min
 Lab File: BF083972.D
 Acq: 19 Dec 2015 23:26

Tgt Ion:172 Resp: 937193
 Ion Ratio Lower Upper
 172 100
 171 37.6 28.9 43.3
 170 24.2 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

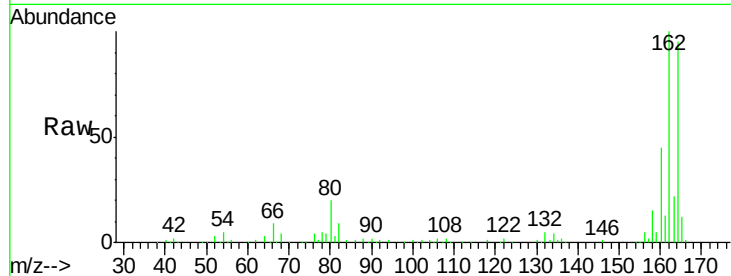




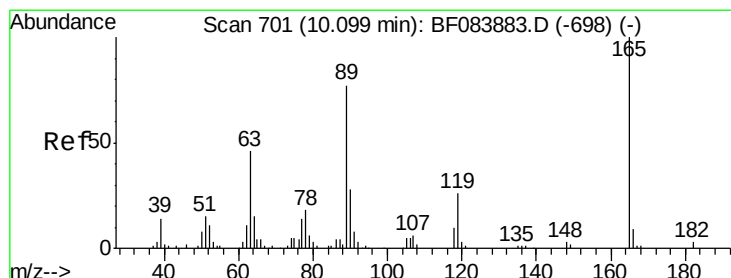
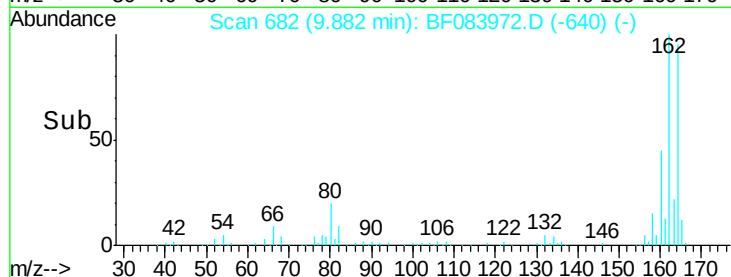
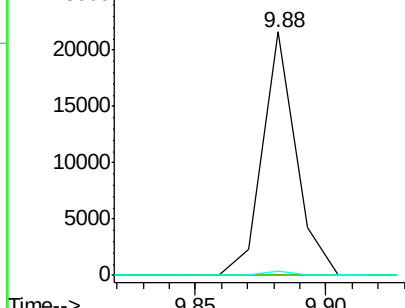
#50
 2,6-Dinitrotoluene
 Concen: 7.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. 0.18 min
 Lab File: BF083972.D
 Acq: 19 Dec 2015 23:26

Instrument :
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.8	43.2#
89	2.0	35.1	52.7#



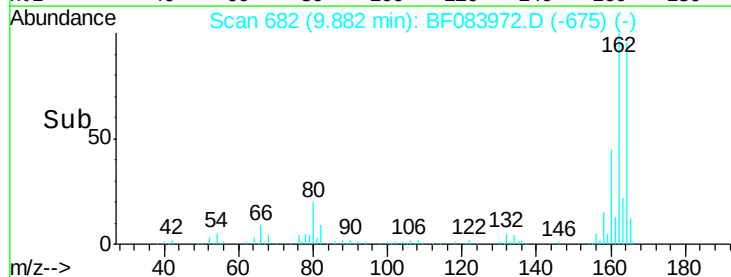
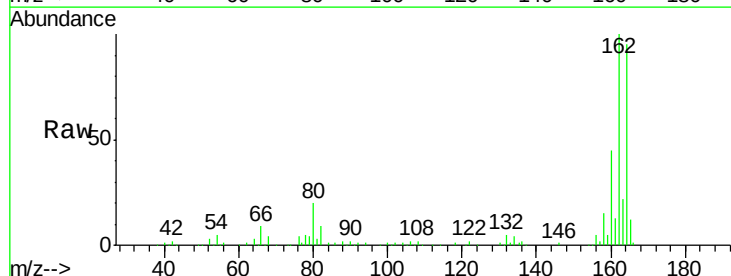
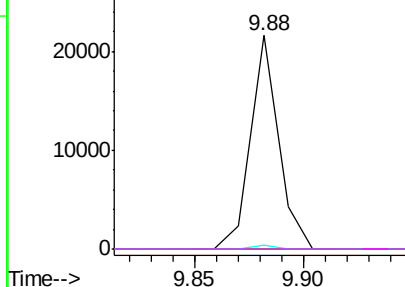
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

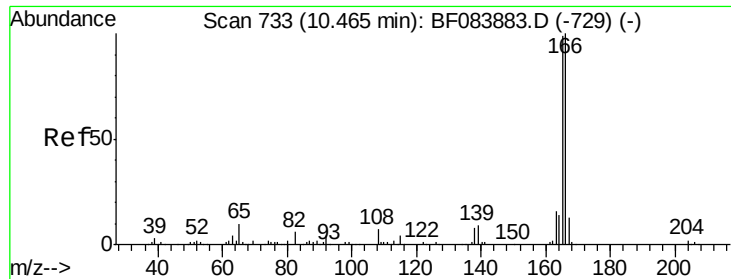


#56
 2,4-Dinitrotoluene
 Concen: 5.46 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.22 min
 Lab File: BF083972.D
 Acq: 19 Dec 2015 23:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.7	55.1#
89	2.0	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

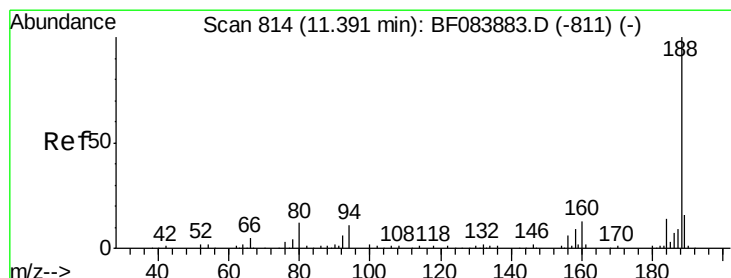
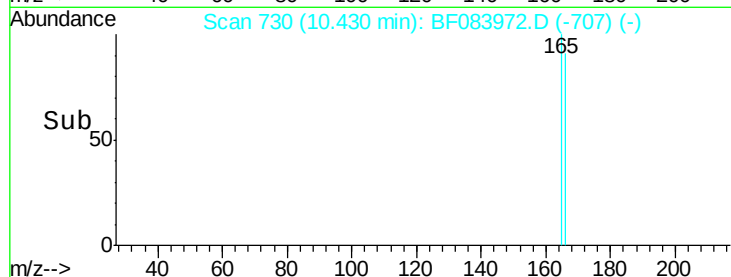
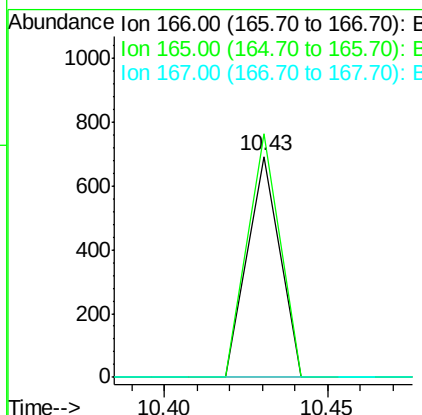
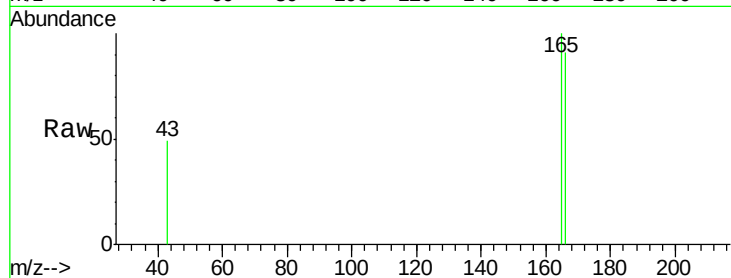




#57
 Fluorene
 Concen: Below Cal
 RT: 10.43 min Scan# 730
 Delta R.T. -0.03 min
 Lab File: BF083972.D
 Acq: 19 Dec 2015 23:26

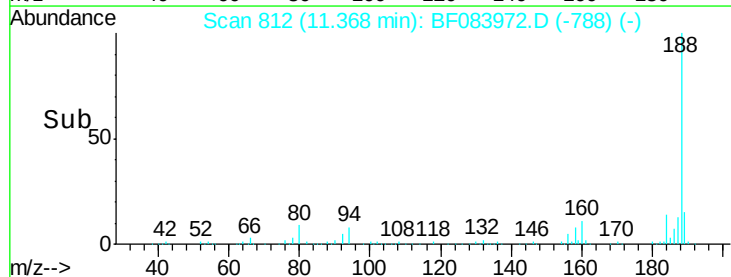
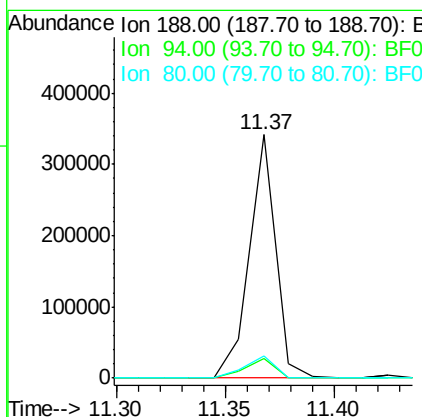
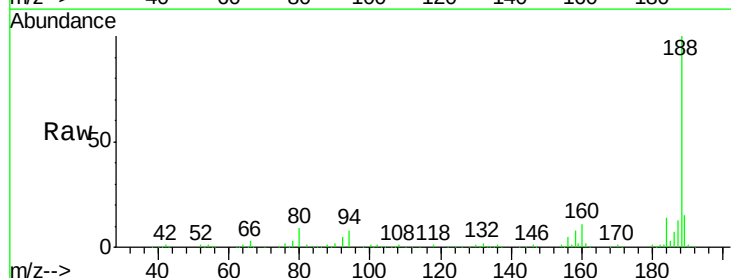
Instrument :
 BNA_F
 ClientSampleId :
 LAR-9879-B

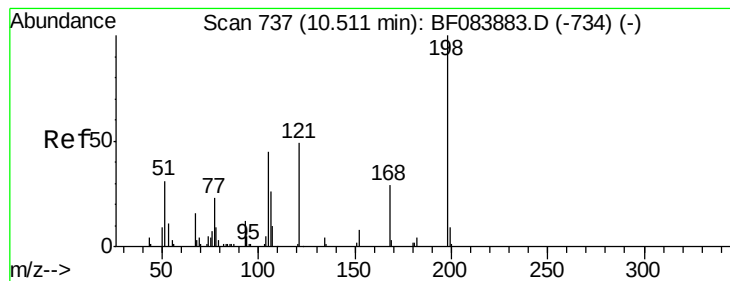
Tgt Ion:166 Resp: 476
 Ion Ratio Lower Upper
 166 100
 165 110.1 79.1 118.7
 167 0.0 10.4 15.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.02 min
 Lab File: BF083972.D
 Acq: 19 Dec 2015 23:26

Tgt Ion:188 Resp: 287785
 Ion Ratio Lower Upper
 188 100
 94 8.3 9.0 13.4#
 80 8.9 9.6 14.4#





#64

4,6-Dinitro-2-methylphenol

Concen: 4.11 ng

RT: 10.67 min Scan# 751

Delta R.T. 0.16 min

Lab File: BF083972.D

Acq: 19 Dec 2015 23:26

Instrument :

BNA_F

ClientSampleId :

LAR-9879-B

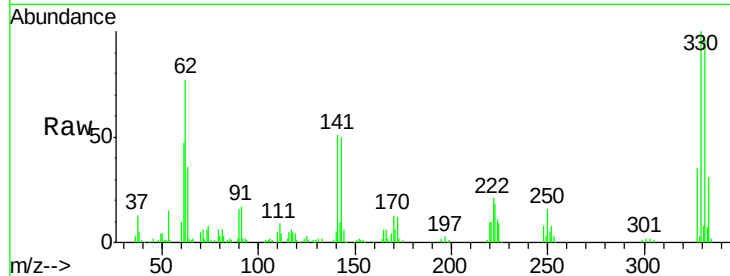
Tgt Ion:198 Resp: 347

Ion Ratio Lower Upper

198 100

51 194.5 18.9 58.9#

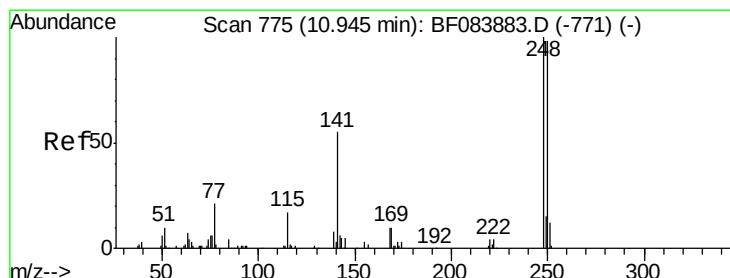
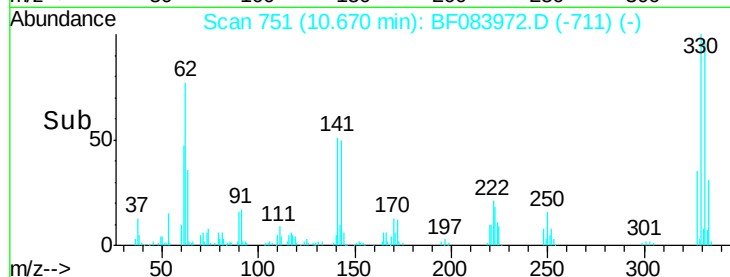
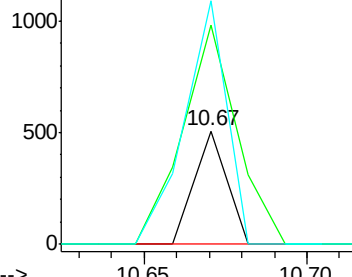
105 215.4 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.20 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.27 min

Lab File: BF083972.D

Acq: 19 Dec 2015 23:26

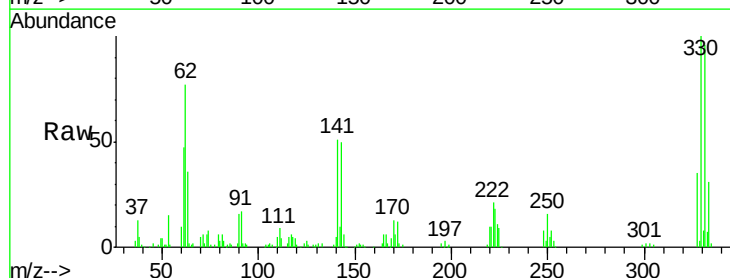
Tgt Ion:248 Resp: 14787

Ion Ratio Lower Upper

248 100

250 201.8 78.4 117.6#

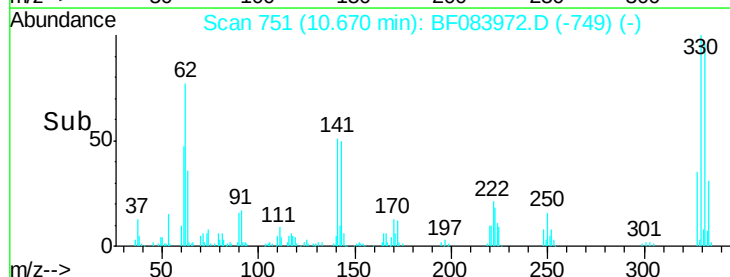
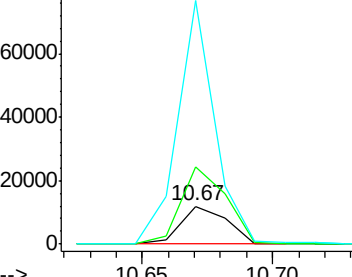
141 639.8 44.0 66.0#

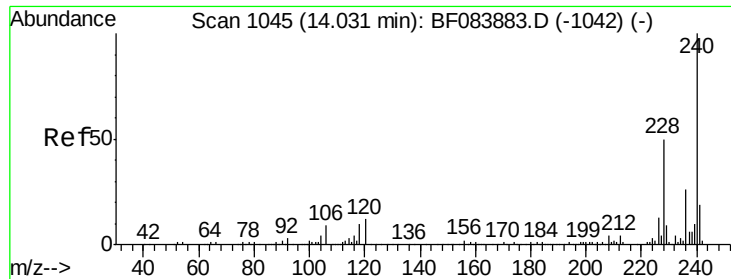


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.03 min

Lab File: BF083972.D

Acq: 19 Dec 2015 23:26

Instrument :

BNA_F

ClientSampleId :

LAR-9879-B

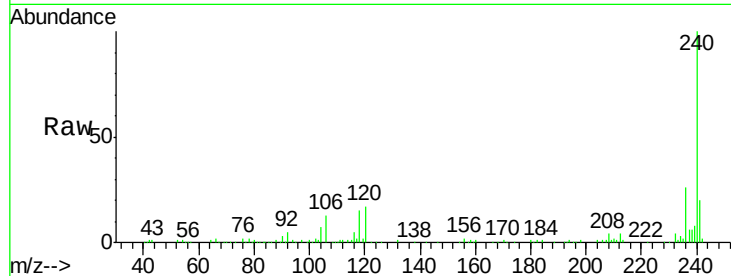
Tgt Ion:240 Resp: 191155

Ion Ratio Lower Upper

240 100

120 16.9 9.5 14.3#

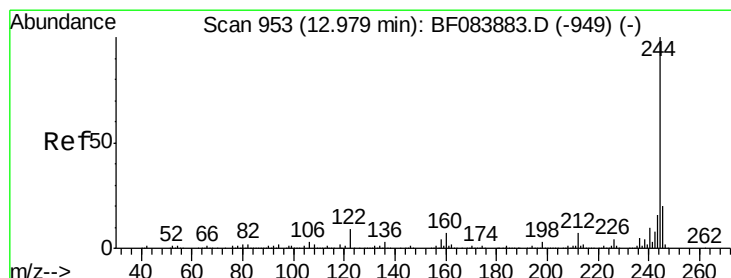
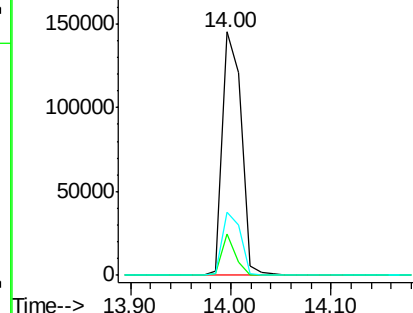
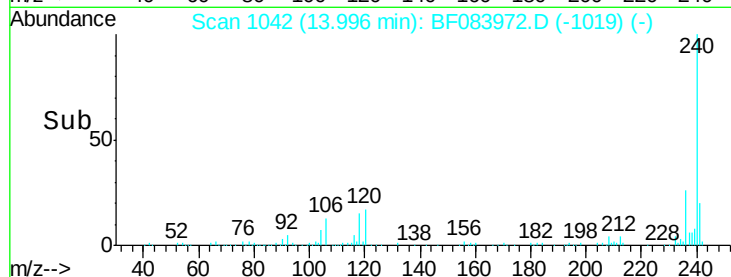
236 26.1 20.6 31.0



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: 119.25 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.02 min

Lab File: BF083972.D

Acq: 19 Dec 2015 23:26

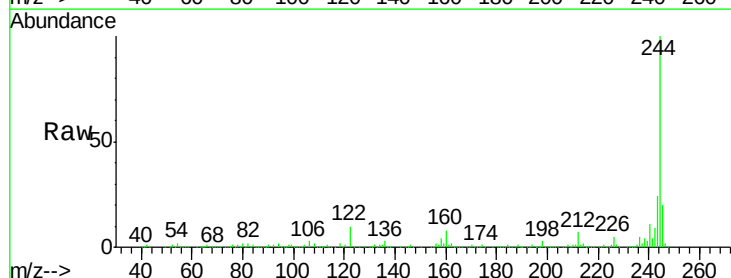
Tgt Ion:244 Resp: 954322

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

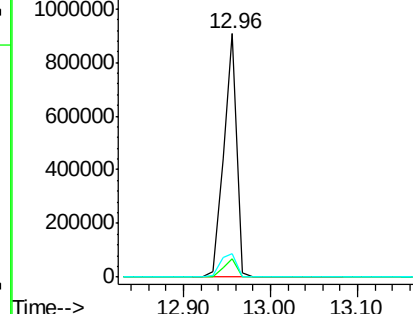
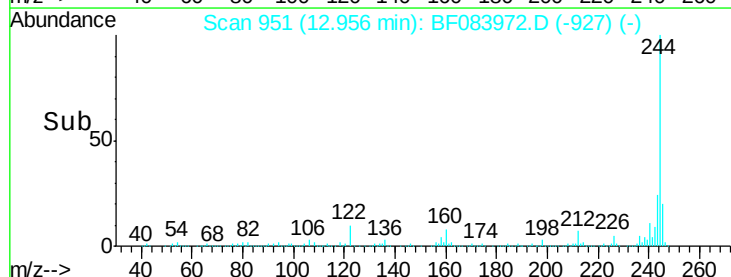
122 9.7 7.4 11.0

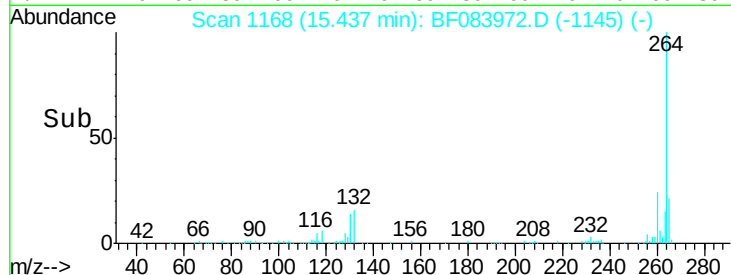
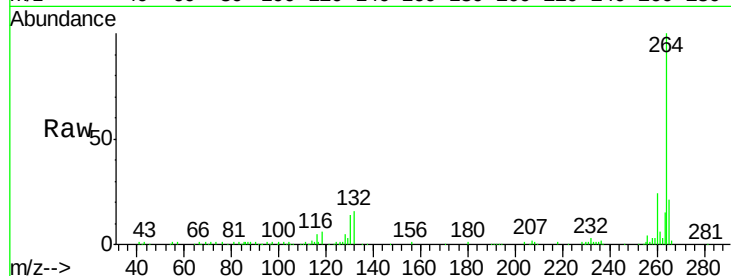
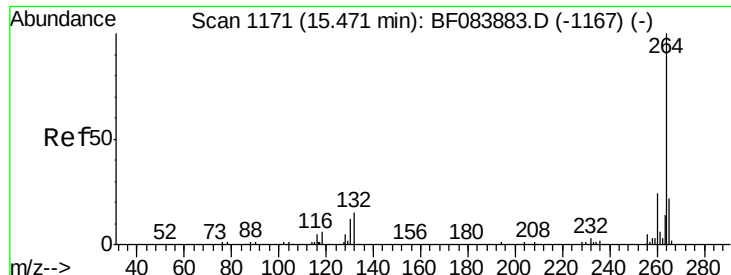


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.44 min Scan# 1168
Delta R.T. -0.03 min
Lab File: BF083972.D
Acq: 19 Dec 2015 23:26

Instrument :
BNA_F
ClientSampleId :
LAR-9879-B

Tgt Ion:	264	Resp:	153503
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	21.4	17.8	26.6

