

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122015\
 Data File : BF083973.D
 Acq On : 19 Dec 2015 23:54
 Operator : UM/SJ
 Sample : G4823-03
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9879-C

Quant Time: Dec 21 01:03:01 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

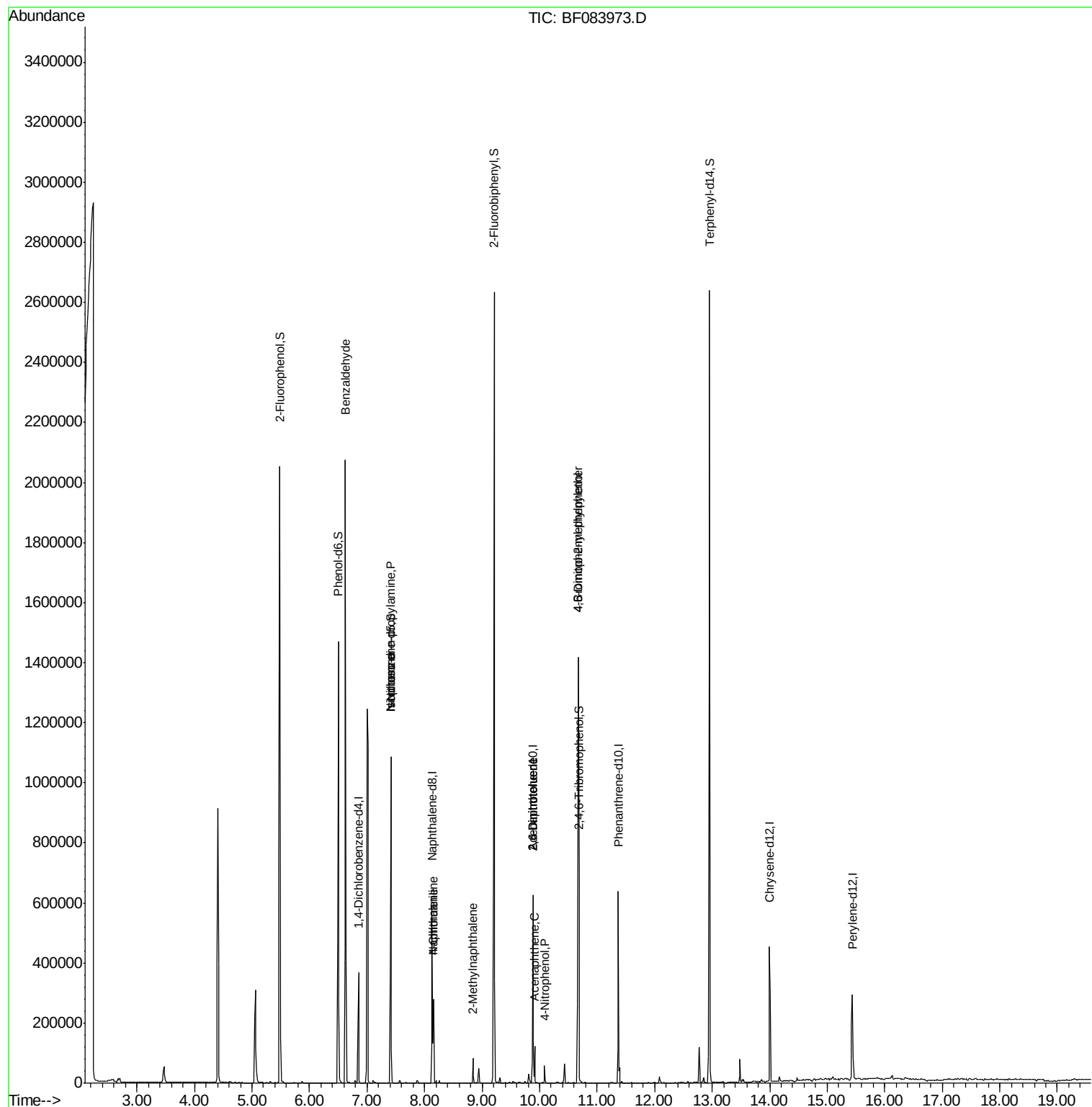
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	70355	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	262234	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	122784	20.00	ng	-0.03
63) Phenanthrene-d10	11.37	188	217393	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	194242	20.00	ng	-0.03
86) Perylene-d12	15.44	264	130353	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	599016	133.24	ng	0.00
7) Phenol-d6	6.50	99	579550	105.32	ng	-0.01
23) Nitrobenzene-d5	7.41	82	372213	81.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	224907	166.27	ng	-0.02
44) 2-Fluorobiphenyl	9.21	172	859405	101.32	ng	-0.03
78) Terphenyl-d14	12.96	244	940342	115.43	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.62	77	13804	4.16	ng	88
19) n-Nitroso-di-n-propylamine	7.41	70	52496	16.36	ng	# 76
25) Isophorone	7.41	82	284664	32.93	ng	# 66
31) Naphthalene	8.16	128	137927	8.66	ng	98
33) 4-Chloroaniline	8.16	127	18083	3.04	ng	# 32
37) 2-Methylnaphthalene	8.84	142	23135	2.54	ng	98
45) 1,1'-Biphenyl	9.31	154	7354	Below Cal		96
50) 2,6-Dinitrotoluene	9.88	165	15425	6.86	ng	# 37
51) Acenaphthene	9.92	154	26946	3.06	ng	98
55) 4-Nitrophenol	10.09	139	9012	6.09	ng	# 10
56) 2,4-Dinitrotoluene	9.88	165	15426	5.35	ng	# 21
57) Fluorene	10.43	166	18301	Below Cal		99
64) 4,6-Dinitro-2-methylphenol	10.67	198	331	4.16	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	14424	5.43	ng	# 1
77) Pyrene	12.58	202	2071	Below Cal		95

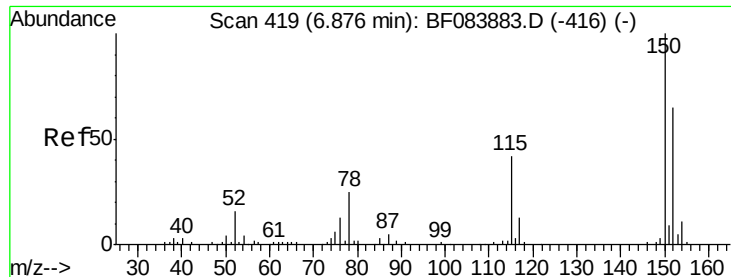
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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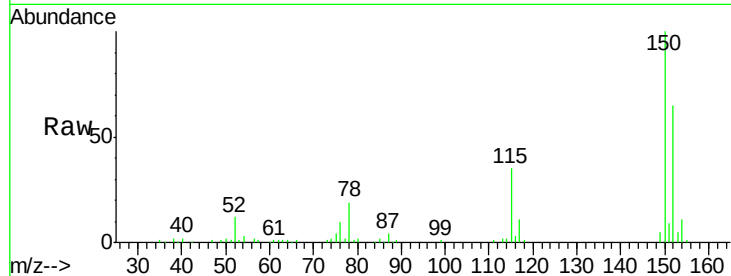


#1

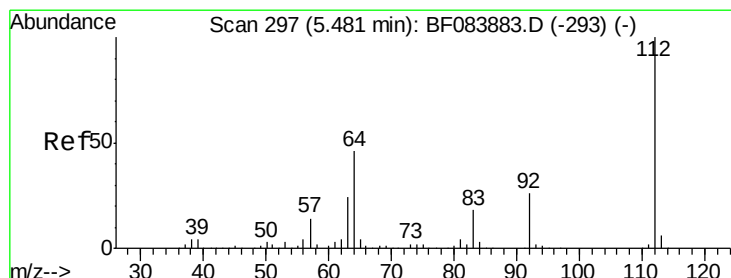
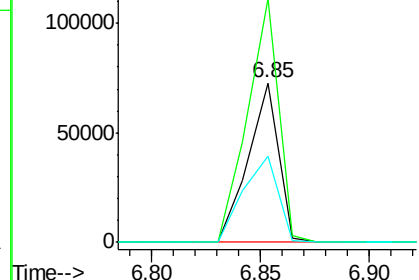
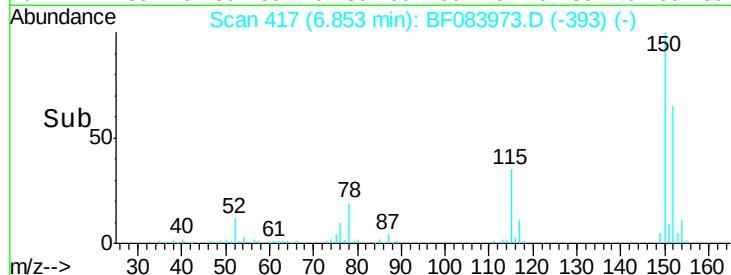
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.02 min
Lab File: BF083973.D
Acq: 19 Dec 2015 23:54

Instrument :
BNA_F
ClientSampleId :
LAR-9879-C

Tgt Ion:152 Resp: 70355
Ion Ratio Lower Upper
152 100
150 153.0 123.0 184.4
115 53.8 51.4 77.2



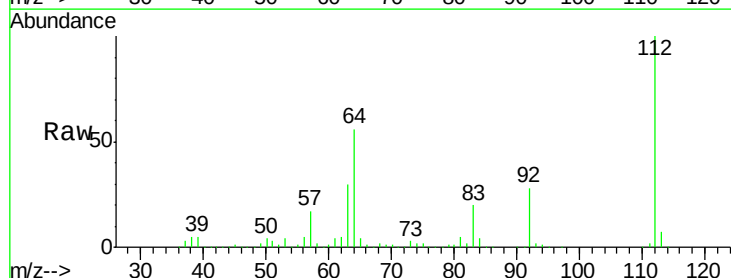
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



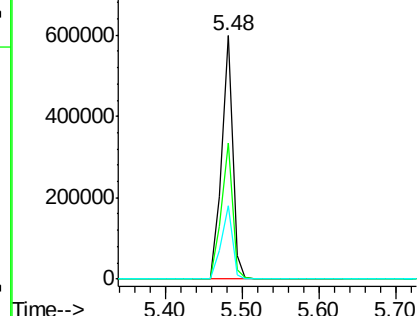
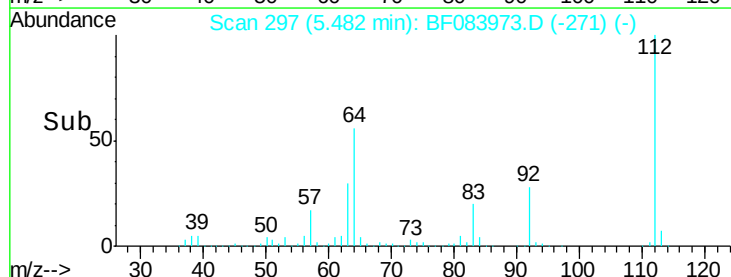
#5

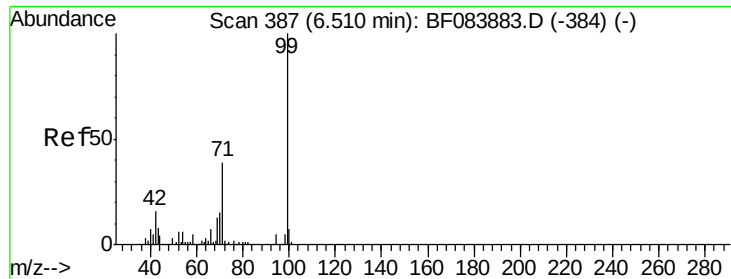
2-Fluorophenol
Concen: 133.24 ng
RT: 5.48 min Scan# 297
Delta R.T. 0.00 min
Lab File: BF083973.D
Acq: 19 Dec 2015 23:54

Tgt Ion:112 Resp: 599016
Ion Ratio Lower Upper
112 100
64 55.8 36.6 55.0#
63 30.3 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: 105.32 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF083973.D

Acq: 19 Dec 2015 23:54

Instrument :

BNA_F

ClientSampleId :

LAR-9879-C

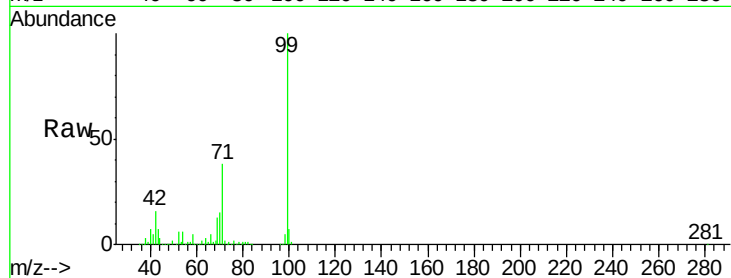
Tgt Ion: 99 Resp: 579550

Ion Ratio Lower Upper

99 100

42 16.2 12.8 19.2

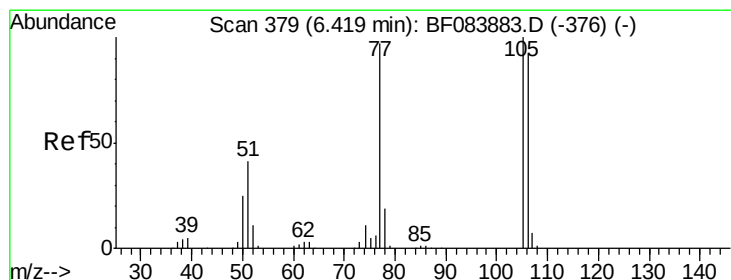
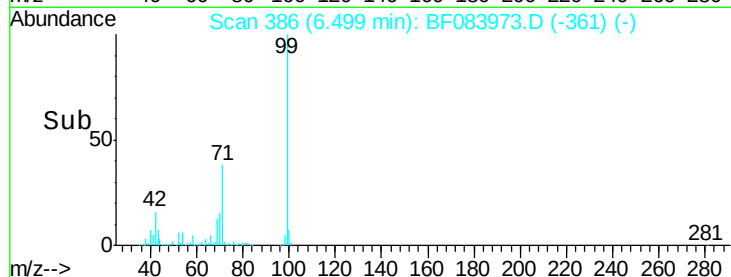
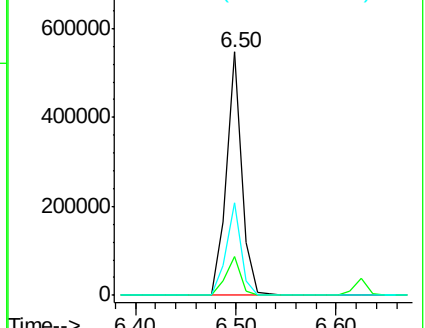
71 38.0 30.9 46.3



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



#9

Benzaldehyde

Concen: 4.16 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.21 min

Lab File: BF083973.D

Acq: 19 Dec 2015 23:54

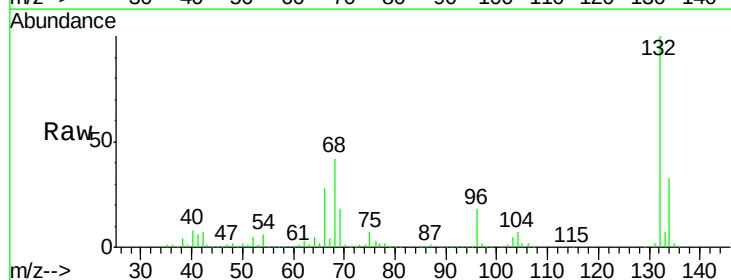
Tgt Ion: 77 Resp: 13804

Ion Ratio Lower Upper

77 100

105 86.3 83.0 123.0

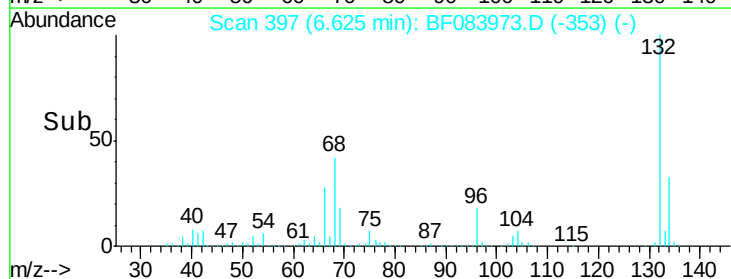
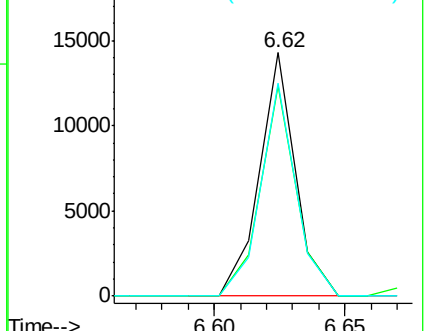
106 87.3 74.6 114.6

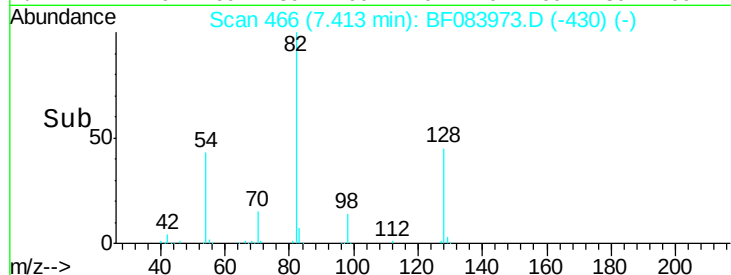
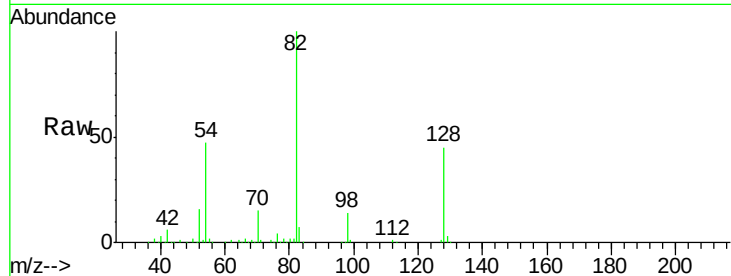
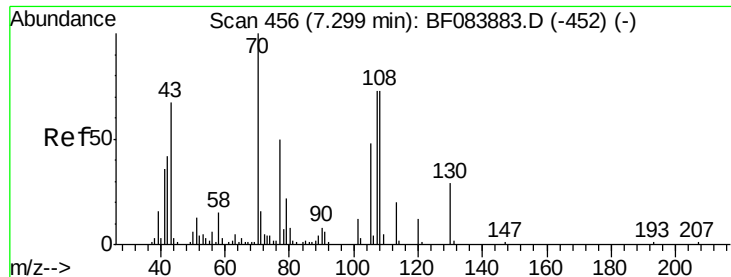


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

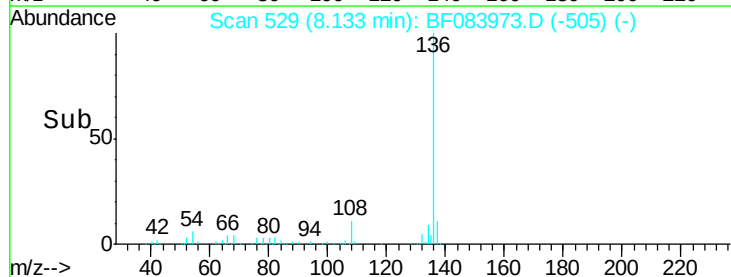
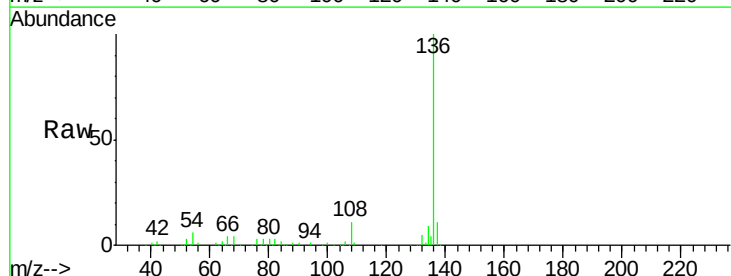
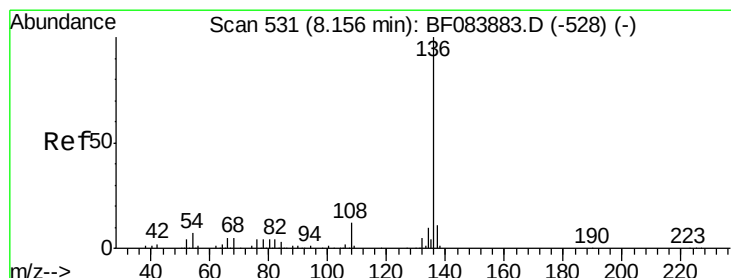
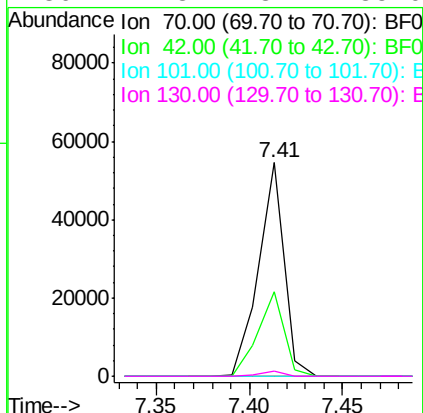




#19
n-Nitroso-di-n-propylamine
Concen: 16.36 ng
RT: 7.41 min Scan# 466
Delta R.T. 0.11 min
Lab File: BF083973.D
Acq: 19 Dec 2015 23:54

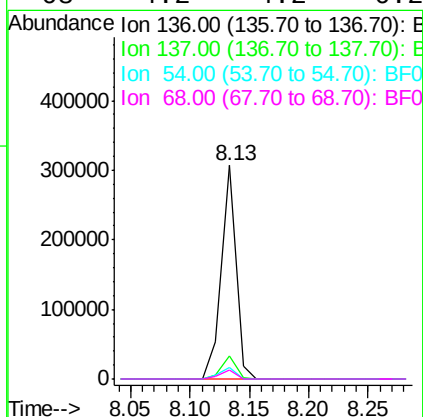
Instrument :
BNA_F
ClientSampleId :
LAR-9879-C

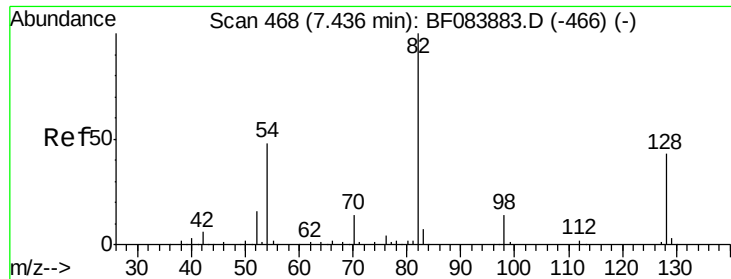
Tgt Ion: 70 Resp: 52496
Ion Ratio Lower Upper
70 100
42 39.3 33.3 49.9
101 0.0 9.3 13.9#
130 2.3 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.02 min
Lab File: BF083973.D
Acq: 19 Dec 2015 23:54

Tgt Ion: 136 Resp: 262234
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 5.6 5.8 8.8#
68 4.2 4.2 6.2

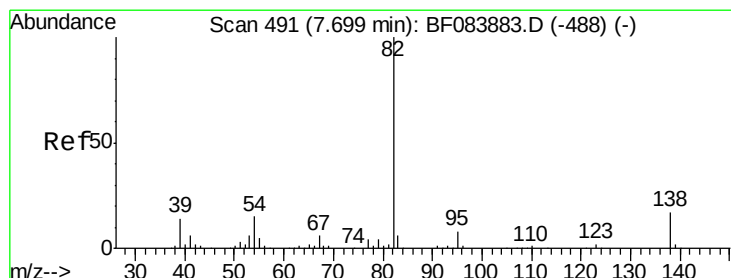
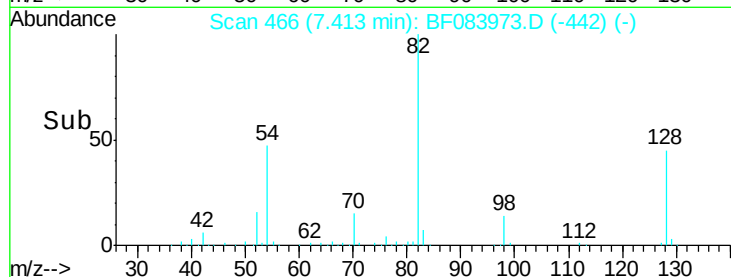
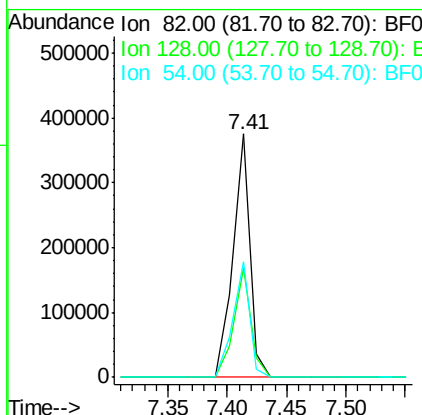
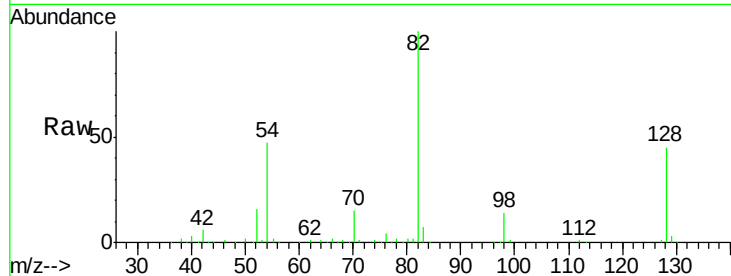




#23
 Nitrobenzene-d5
 Concen: 81.01 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.02 min
 Lab File: BF083973.D
 Acq: 19 Dec 2015 23:54

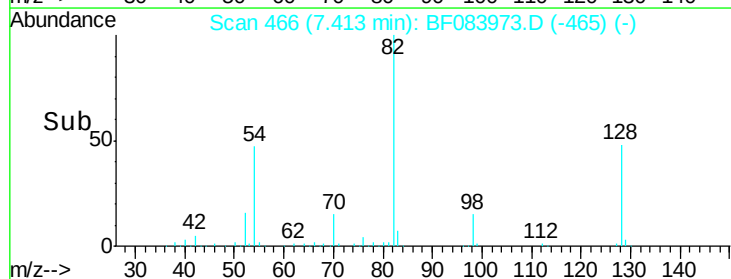
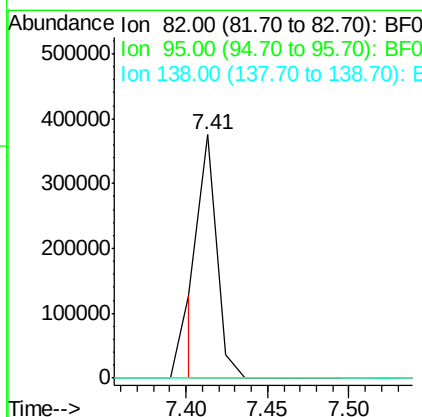
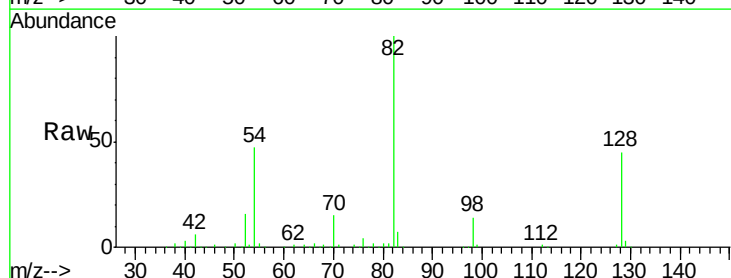
Instrument :
 BNA_F
 ClientSampleId :
 LAR-9879-C

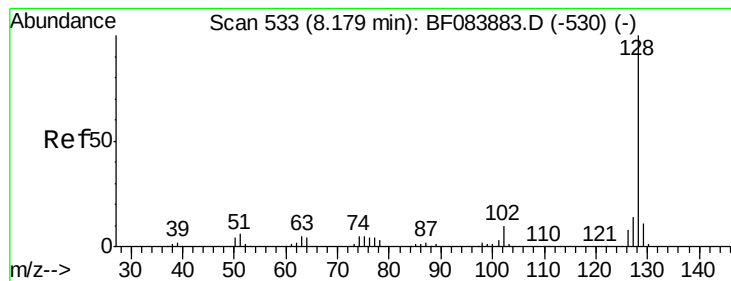
Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.0	34.6	51.8
54	47.3	38.4	57.6



#25
 Isophorone
 Concen: 32.93 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.29 min
 Lab File: BF083973.D
 Acq: 19 Dec 2015 23:54

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.6	10.0#
138	0.0	13.6	20.4#





#31

Naphthalene

Concen: 8.66 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.02 min

Lab File: BF083973.D

Acq: 19 Dec 2015 23:54

Instrument :

BNA_F

ClientSampleId :

LAR-9879-C

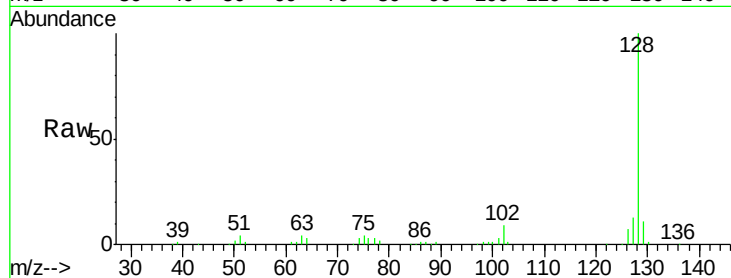
Tgt Ion:128 Resp: 137927

Ion Ratio Lower Upper

128 100

129 11.0 9.1 13.7

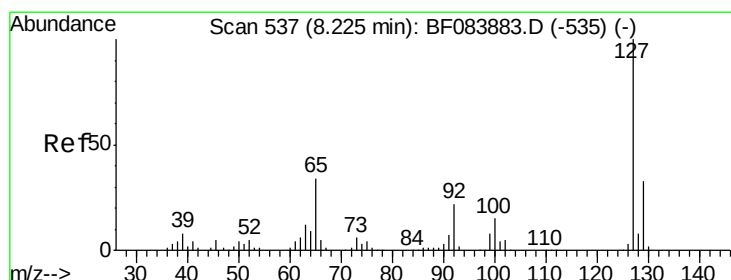
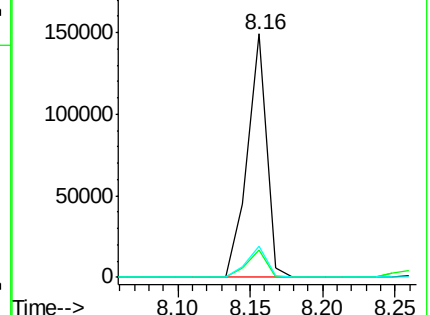
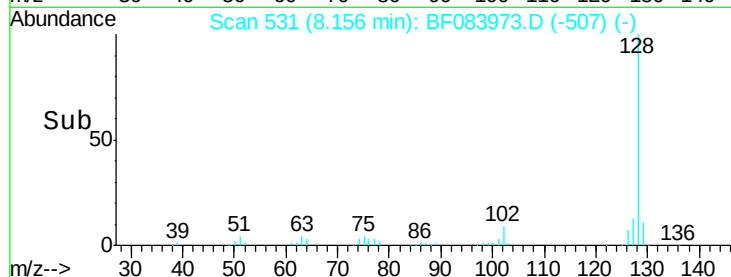
127 13.0 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 3.04 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.07 min

Lab File: BF083973.D

Acq: 19 Dec 2015 23:54

Tgt Ion:127 Resp: 18083

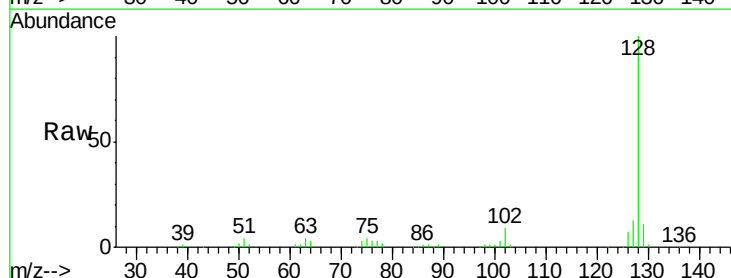
Ion Ratio Lower Upper

127 100

129 84.5 26.5 39.7#

65 0.0 27.2 40.8#

92 0.0 17.7 26.5#

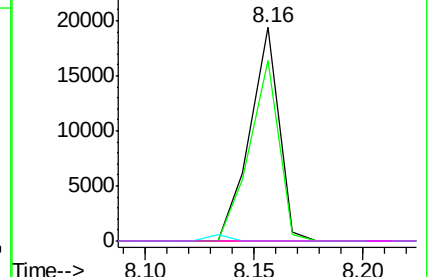
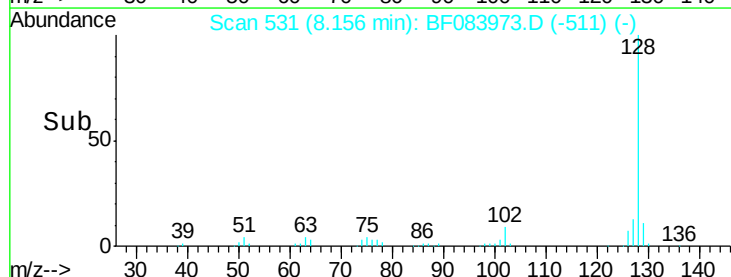


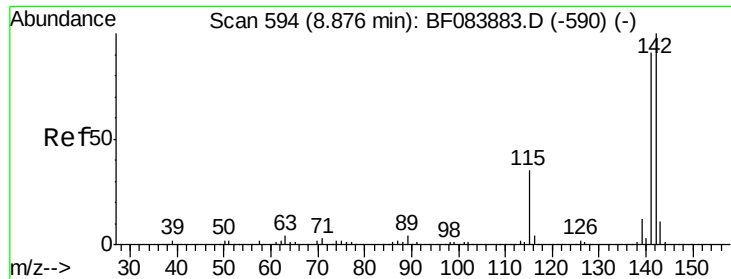
Abundance Ion 127.00 (126.70 to 127.70): E

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

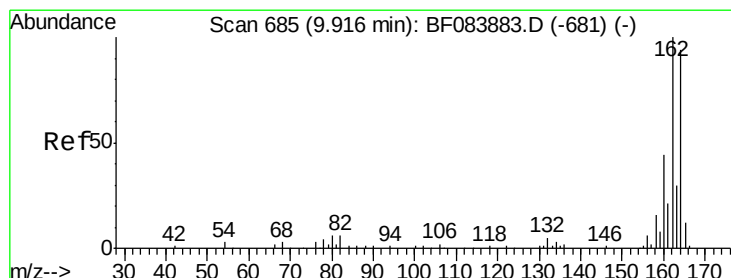
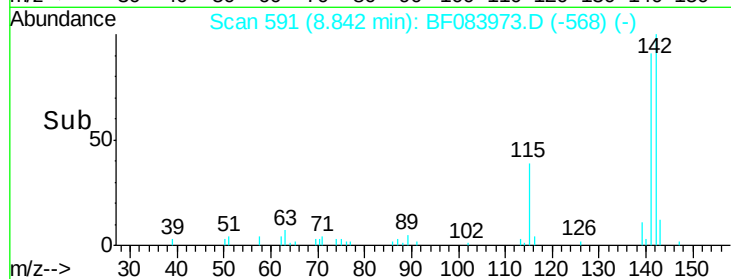
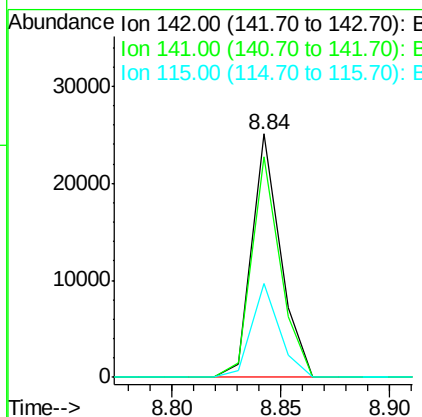
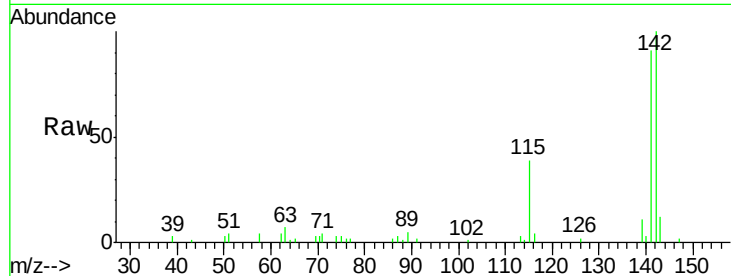




#37
 2-Methylnaphthalene
 Concen: 2.54 ng
 RT: 8.84 min Scan# 591
 Delta R.T. -0.03 min
 Lab File: BF083973.D
 Acq: 19 Dec 2015 23:54

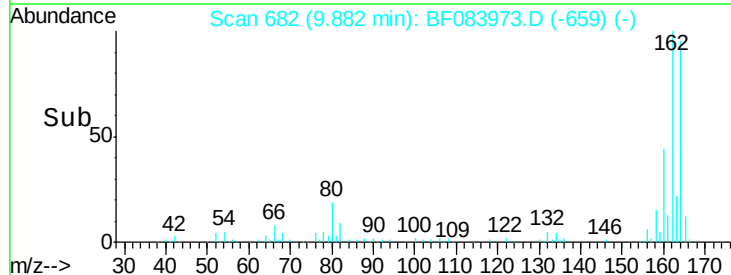
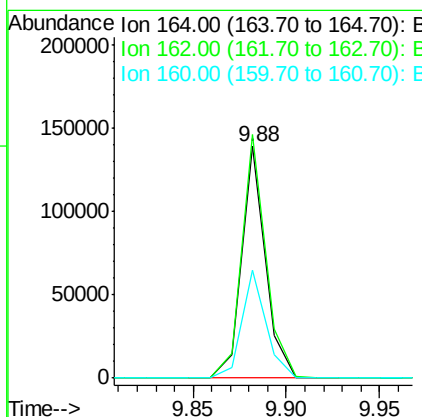
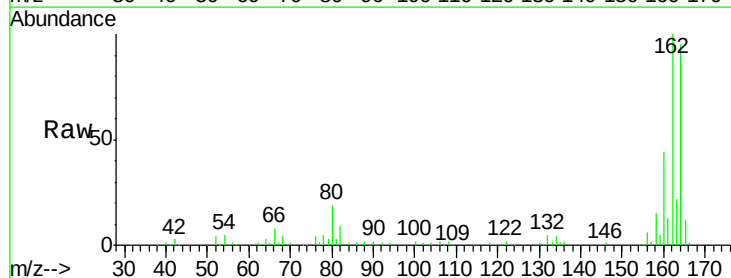
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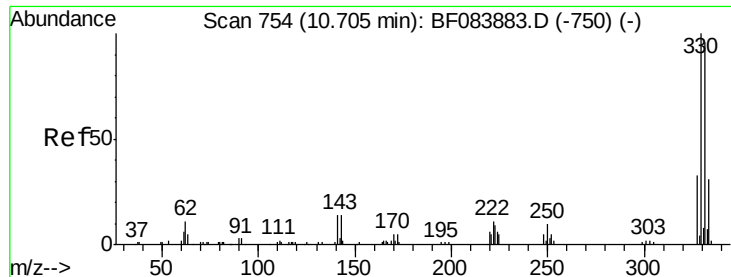
Tgt Ion:142 Resp: 23135
 Ion Ratio Lower Upper
 142 100
 141 90.7 72.4 108.6
 115 38.8 27.9 41.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.03 min
 Lab File: BF083973.D
 Acq: 19 Dec 2015 23:54

Tgt Ion:164 Resp: 122784
 Ion Ratio Lower Upper
 164 100
 162 105.1 85.1 127.7
 160 46.4 37.5 56.3

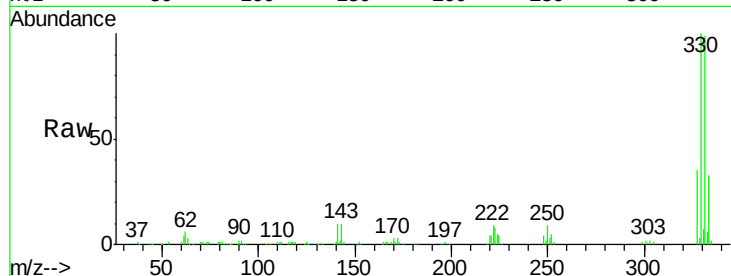




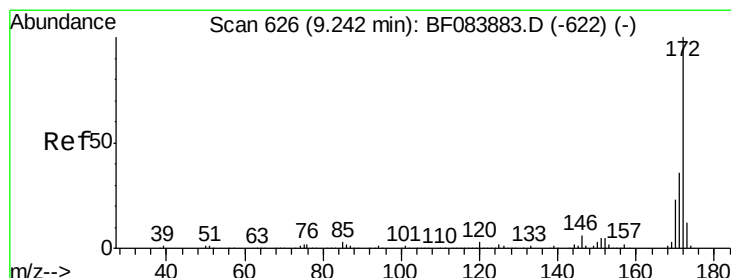
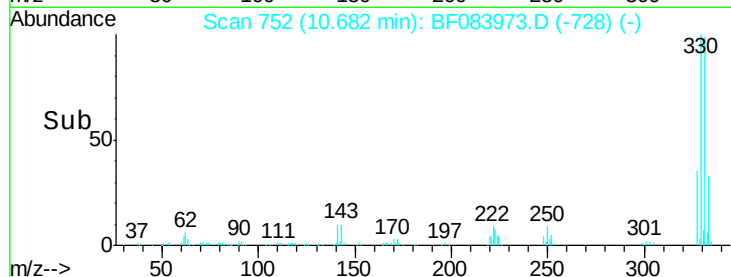
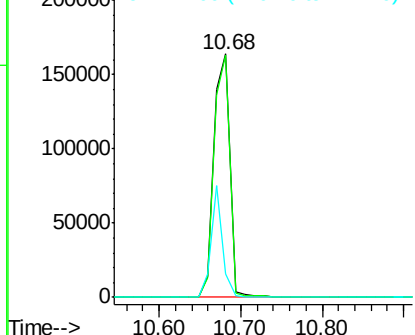
#41
 2,4,6-Tribromophenol
 Concen: 166.27 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.02 min
 Lab File: BF083973.D
 Acq: 19 Dec 2015 23:54

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9879-C

Tgt Ion:330 Resp: 224907
 Ion Ratio Lower Upper
 330 100
 332 97.9 76.6 114.8
 141 33.4 27.8 41.6

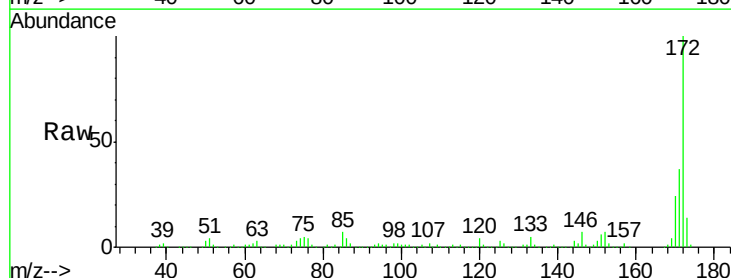


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

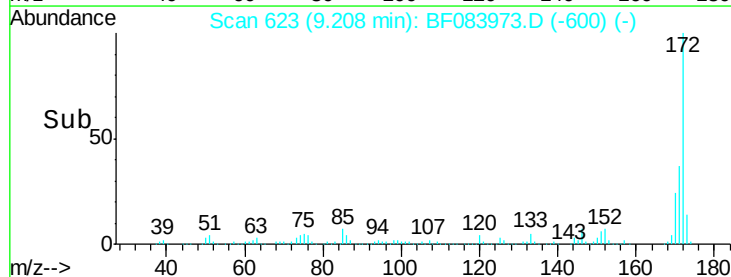
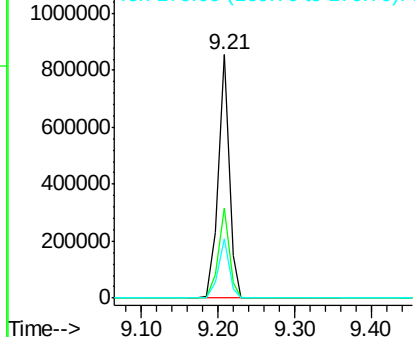


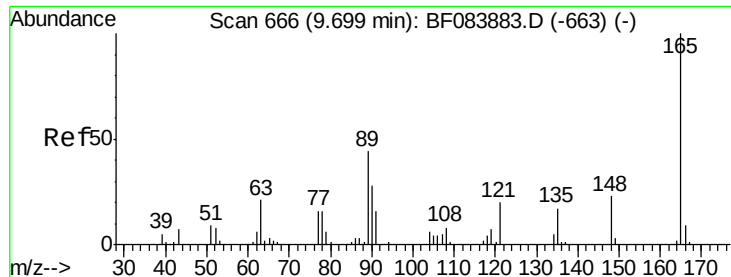
#44
 2-Fluorobiphenyl
 Concen: 101.32 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.03 min
 Lab File: BF083973.D
 Acq: 19 Dec 2015 23:54

Tgt Ion:172 Resp: 859405
 Ion Ratio Lower Upper
 172 100
 171 36.9 28.9 43.3
 170 24.3 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

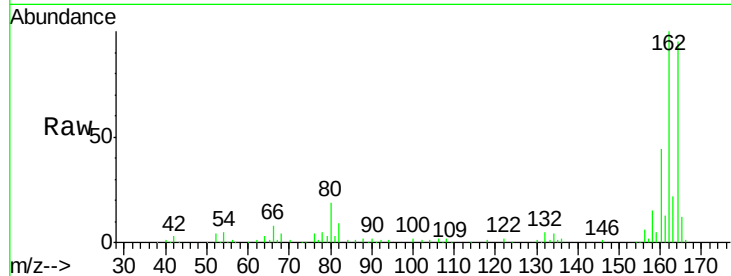




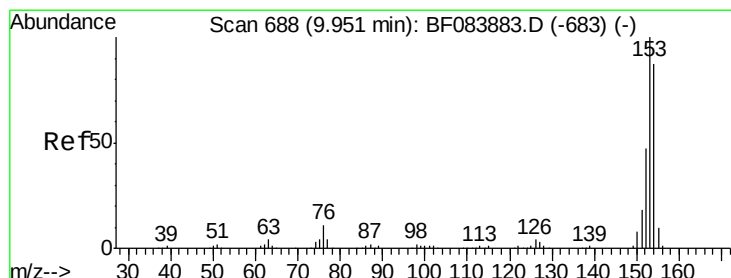
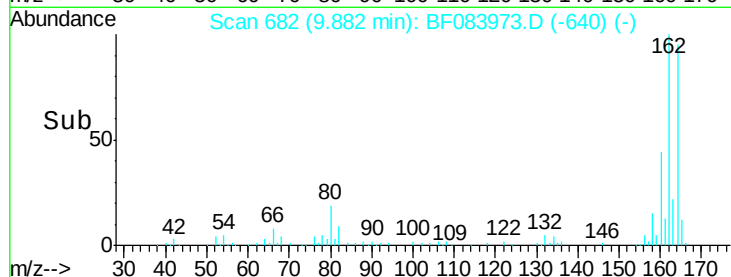
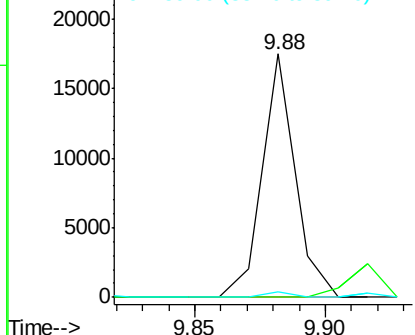
#50
 2,6-Dinitrotoluene
 Concen: 6.86 ng
 RT: 9.88 min Scan# 682
 Delta R.T. 0.18 min
 Lab File: BF083973.D
 Acq: 19 Dec 2015 23:54

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9879-C

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.8	43.2#
89	2.2	35.1	52.7#

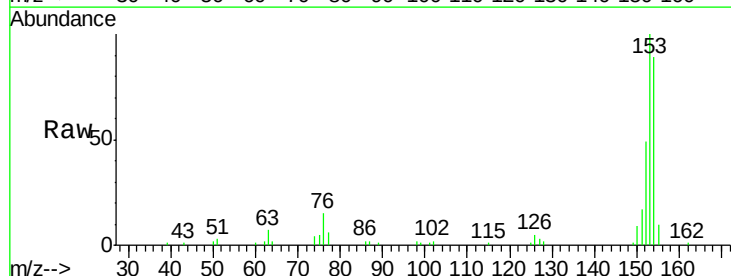


Abundance Ion 165.00 (164.70 to 165.70): E

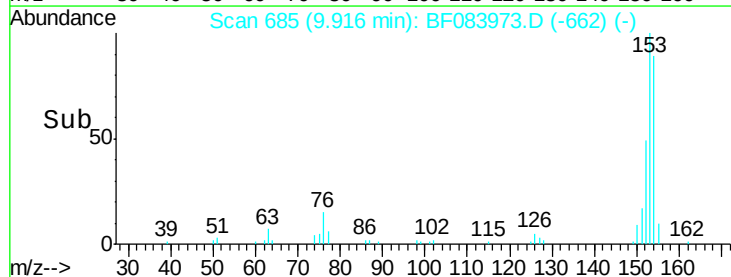
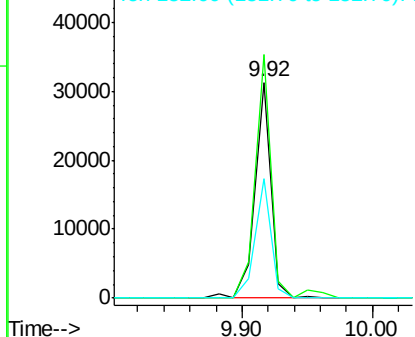


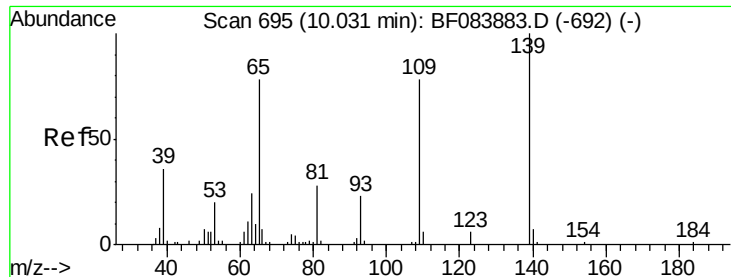
#51
 Acenaphthene
 Concen: 3.06 ng
 RT: 9.92 min Scan# 685
 Delta R.T. -0.03 min
 Lab File: BF083973.D
 Acq: 19 Dec 2015 23:54

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.7	91.5	137.3
152	55.2	43.0	64.6



Abundance Ion 154.00 (153.70 to 154.70): E

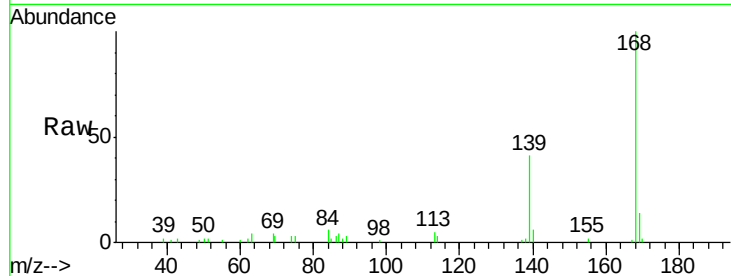




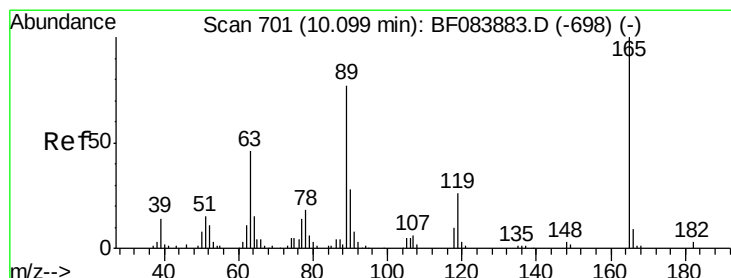
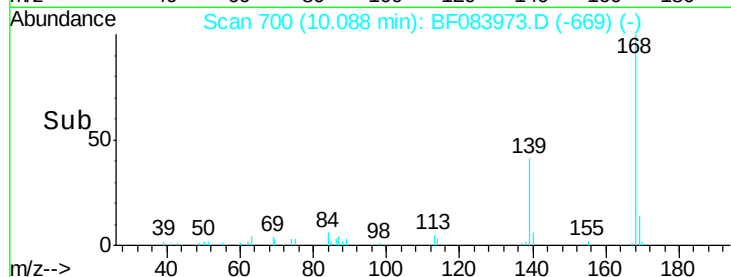
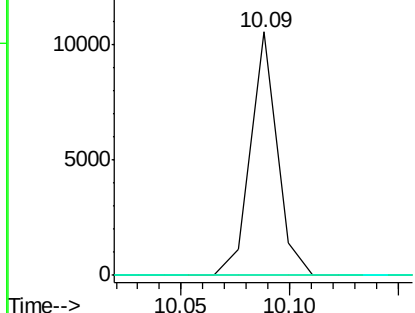
#55
4-Nitrophenol
Concen: 6.09 ng
RT: 10.09 min Scan# 700
Delta R.T. 0.06 min
Lab File: BF083973.D
Acq: 19 Dec 2015 23:54

Instrument :
BNA_F
ClientSampled :
LAR-9879-C

Tgt Ion:139 Resp: 9012
Ion Ratio Lower Upper
139 100
109 0.0 58.5 98.5#
65 0.0 57.6 97.6#

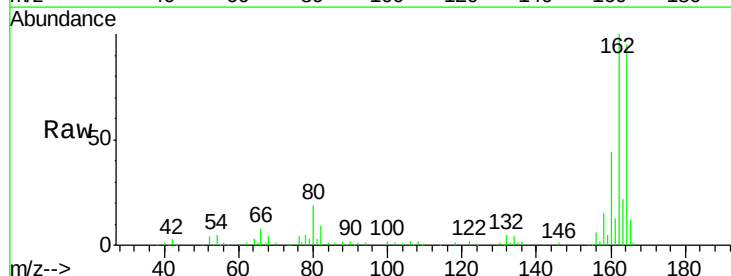


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

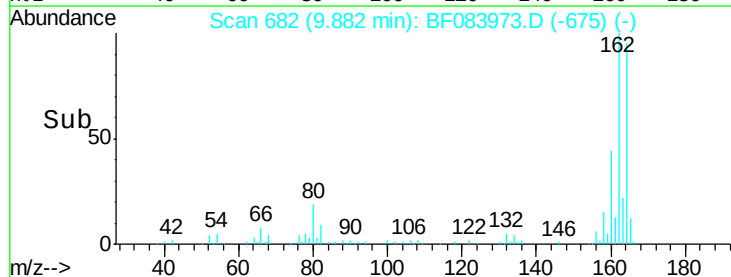
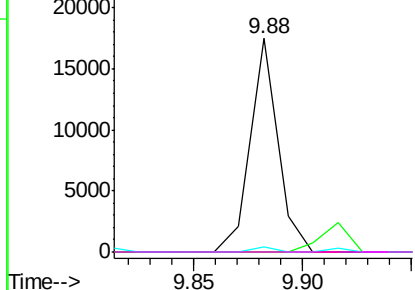


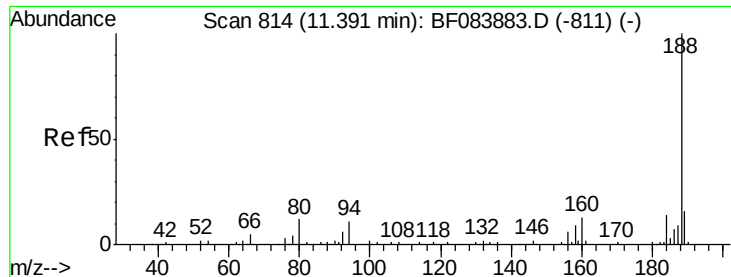
#56
2,4-Dinitrotoluene
Concen: 5.35 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.22 min
Lab File: BF083973.D
Acq: 19 Dec 2015 23:54

Tgt Ion:165 Resp: 15426
Ion Ratio Lower Upper
165 100
63 0.0 36.7 55.1#
89 2.2 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

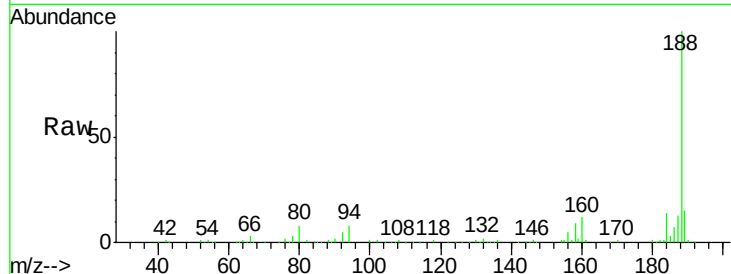




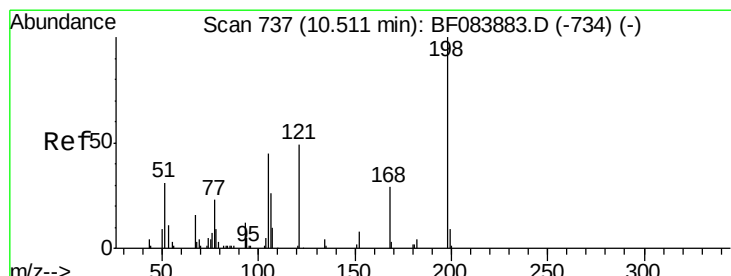
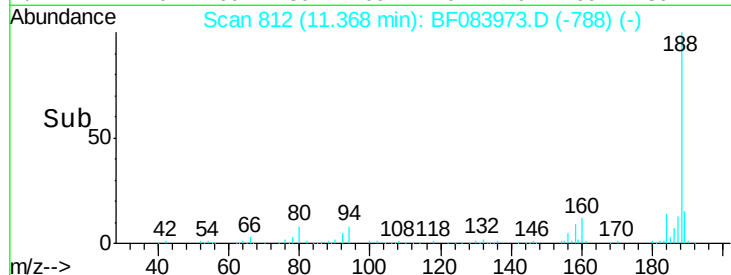
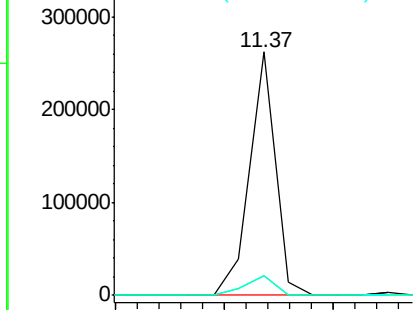
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.02 min
 Lab File: BF083973.D
 Acq: 19 Dec 2015 23:54

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9879-C

Tgt Ion:188 Resp: 217393
 Ion Ratio Lower Upper
 188 100
 94 7.8 9.0 13.4#
 80 8.2 9.6 14.4#

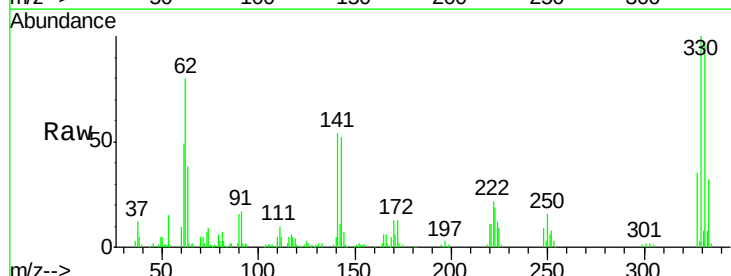


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

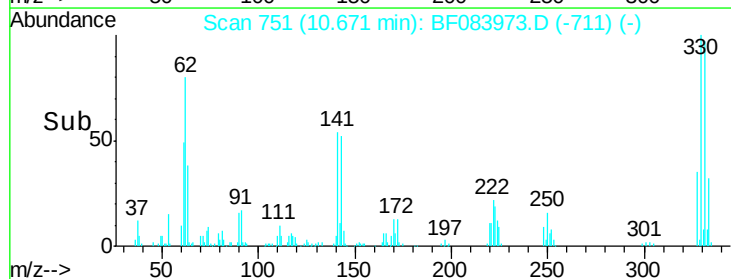
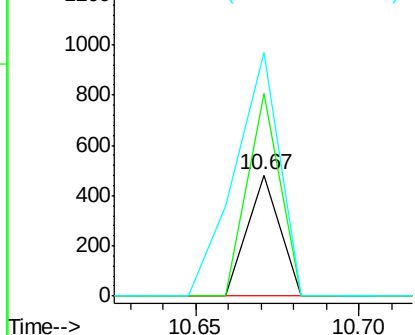


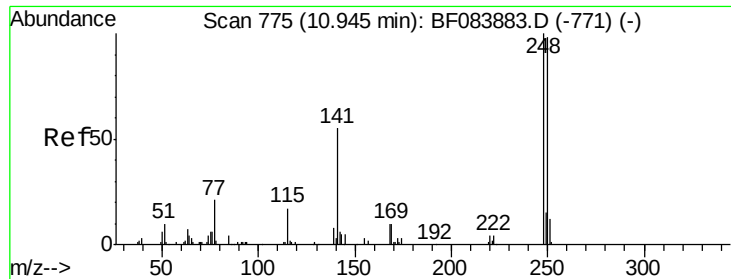
#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.16 ng
 RT: 10.67 min Scan# 751
 Delta R.T. 0.16 min
 Lab File: BF083973.D
 Acq: 19 Dec 2015 23:54

Tgt Ion:198 Resp: 331
 Ion Ratio Lower Upper
 198 100
 51 167.6 18.9 58.9#
 105 201.0 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

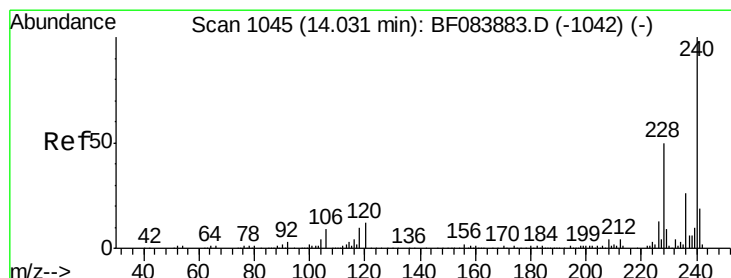
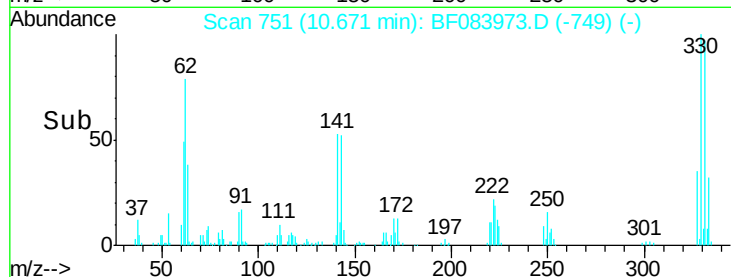
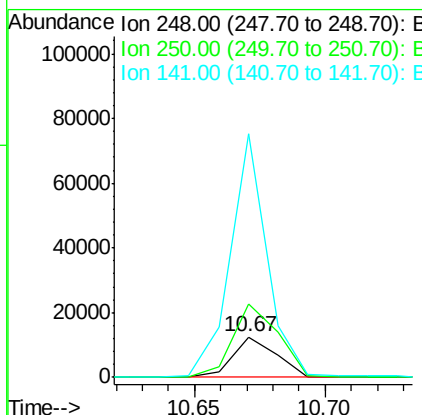
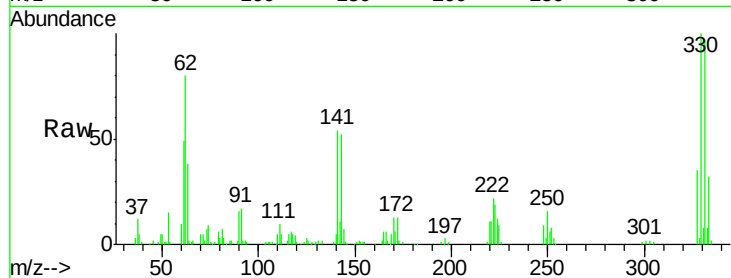




#66
4-Bromophenyl-phenylether
Concen: 5.43 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.27 min
Lab File: BF083973.D
Acq: 19 Dec 2015 23:54

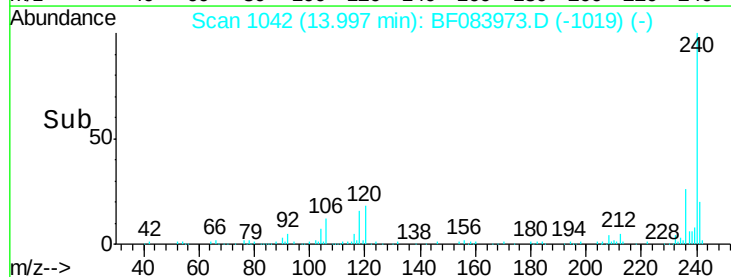
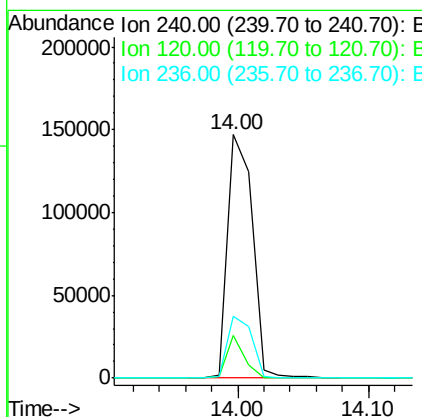
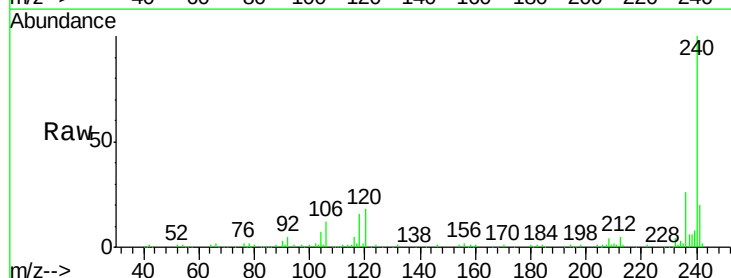
Instrument :
BNA_F
ClientSampleId :
LAR-9879-C

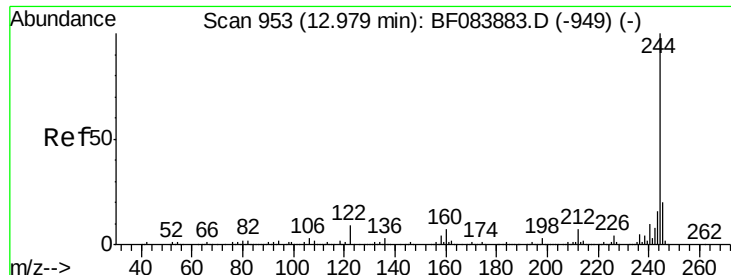
Tgt Ion:248 Resp: 14424
Ion Ratio Lower Upper
248 100
250 181.6 78.4 117.6#
141 598.6 44.0 66.0#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.03 min
Lab File: BF083973.D
Acq: 19 Dec 2015 23:54

Tgt Ion:240 Resp: 194242
Ion Ratio Lower Upper
240 100
120 17.5 9.5 14.3#
236 25.5 20.6 31.0

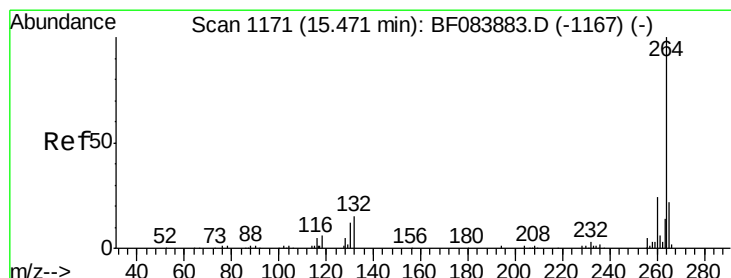
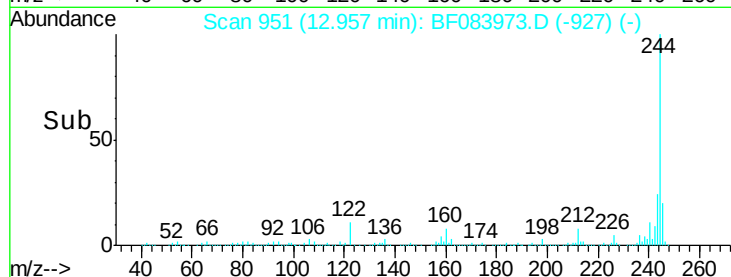
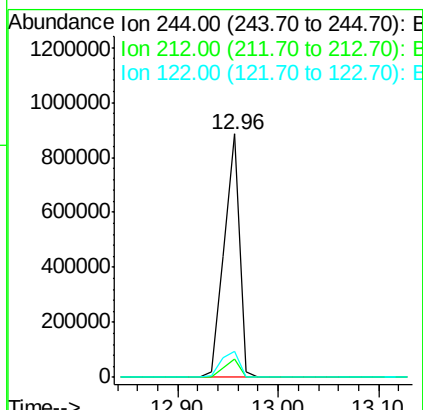
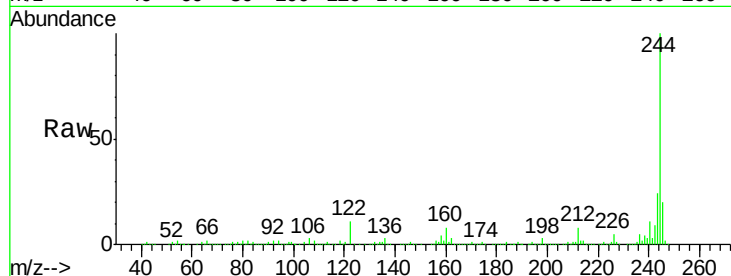




#78
 Terphenyl-d14
 Concen: 115.43 ng
 RT: 12.96 min Scan# 951
 Delta R.T. -0.02 min
 Lab File: BF083973.D
 Acq: 19 Dec 2015 23:54

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9879-C

Tgt Ion:244 Resp: 940342
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.7 8.5
 122 10.6 7.4 11.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.03 min
 Lab File: BF083973.D
 Acq: 19 Dec 2015 23:54

Tgt Ion:264 Resp: 130353
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.4 29.2
 265 21.1 17.8 26.6

