

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122015\
 Data File : BF083971.D
 Acq On : 19 Dec 2015 22:58
 Operator : UM/SJ
 Sample : G4823-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9879-A

Quant Time: Dec 21 01:02:09 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

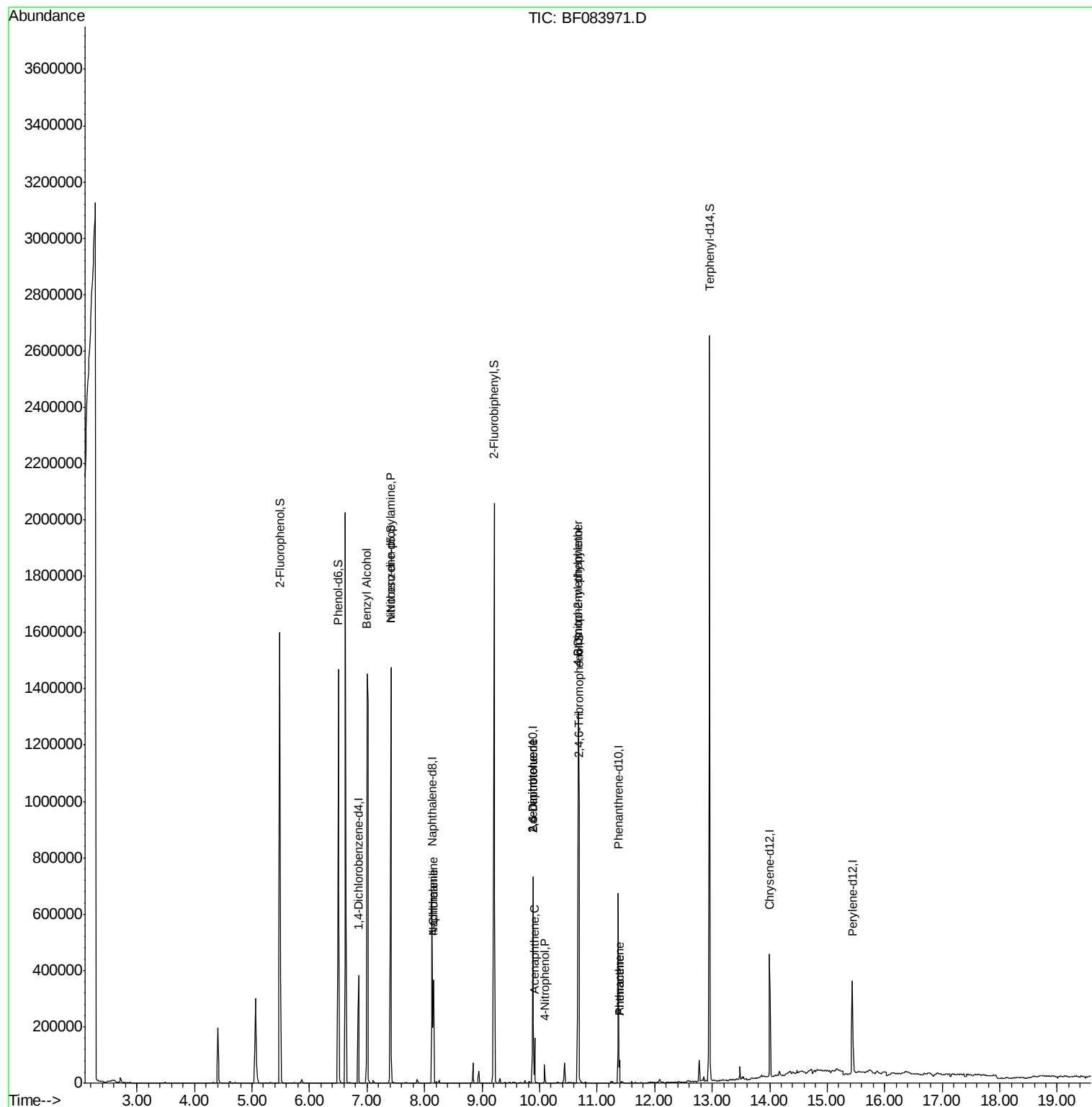
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	78102	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	331774	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	153150	20.00	ng	-0.03
63) Phenanthrene-d10	11.37	188	230432	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	186342	20.00	ng	-0.03
86) Perylene-d12	15.44	264	145888	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	504258	101.04	ng	0.00
7) Phenol-d6	6.50	99	685434	112.21	ng	-0.01
23) Nitrobenzene-d5	7.41	82	515666	88.71	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	255756	151.59	ng	-0.02
44) 2-Fluorobiphenyl	9.21	172	846804	76.41	ng	-0.03
78) Terphenyl-d14	12.96	244	904056	115.69	ng	-0.02
Target Compounds						Qvalue
15) Benzyl Alcohol	7.00	79	9301	2.01	ng	# 45
19) n-Nitroso-di-n-propylamine	7.41	70	72623	20.39	ng	# 77
31) Naphthalene	8.16	128	192145	9.77	ng	99
33) 4-Chloroaniline	8.16	127	25107	3.33	ng	# 33
45) 1,1'-Biphenyl	9.31	154	7759	Below	Cal	94
50) 2,6-Dinitrotoluene	9.88	165	19837	7.08	ng	# 35
51) Acenaphthene	9.92	154	35561	3.24	ng	98
55) 4-Nitrophenol	10.09	139	10027	5.44	ng	# 10
56) 2,4-Dinitrotoluene	9.88	165	19838	5.52	ng	# 20
57) Fluorene	10.43	166	19542	Below	Cal	96
64) 4,6-Dinitro-2-methylphenol	10.67	198	326	4.14	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	16184	5.74	ng	# 1
70) Phenanthrene	11.39	178	29310	2.11	ng	100
71) Anthracene	11.39	178	29310	2.18	ng	100
77) Pyrene	12.58	202	2899	Below	Cal	97

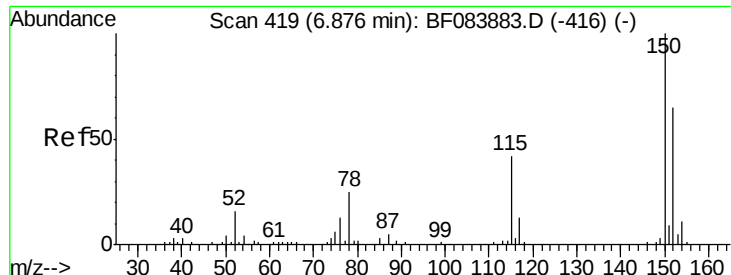
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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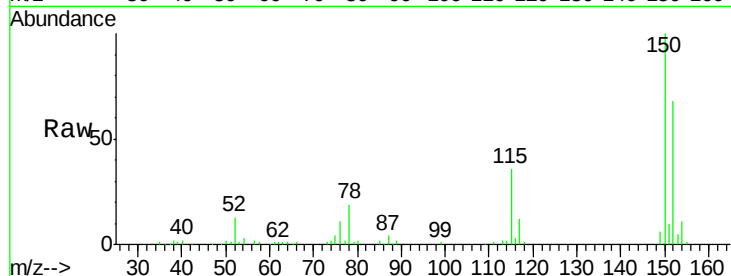




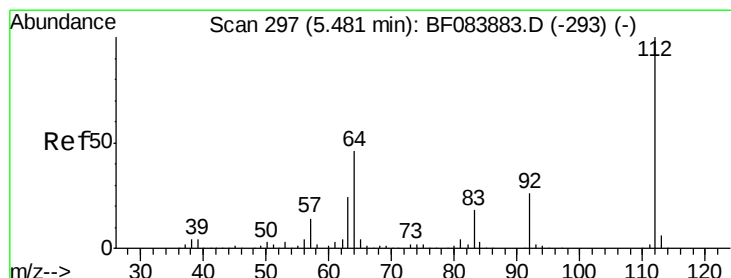
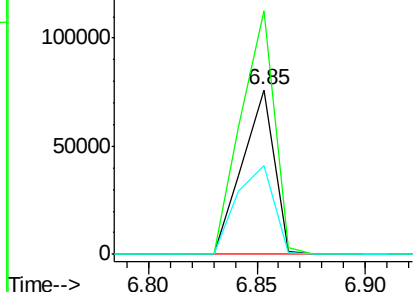
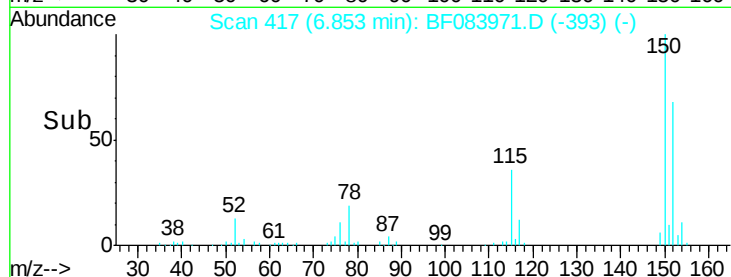
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 417
 Delta R.T. -0.02 min
 Lab File: BF083971.D
 Acq: 19 Dec 2015 22:58

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9879-A

Tgt Ion:152 Resp: 78102
 Ion Ratio Lower Upper
 152 100
 150 147.8 123.0 184.4
 115 53.7 51.4 77.2

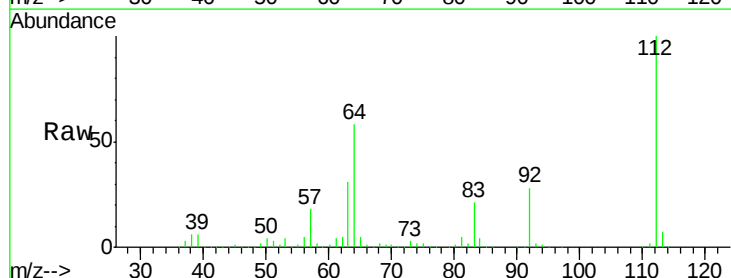


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

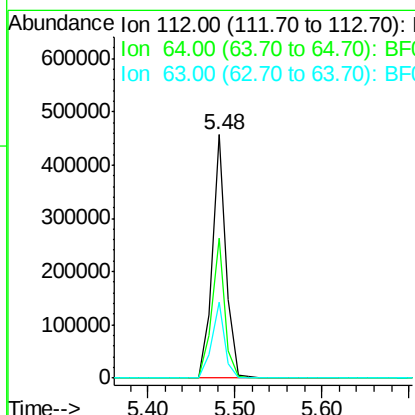
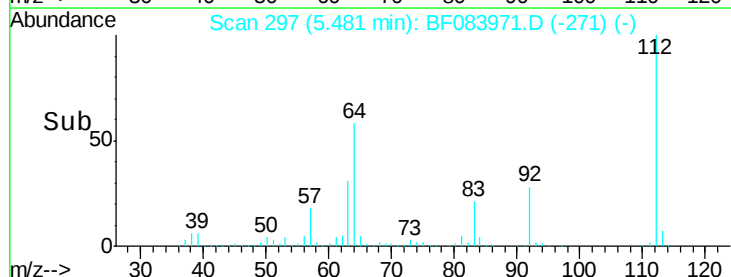


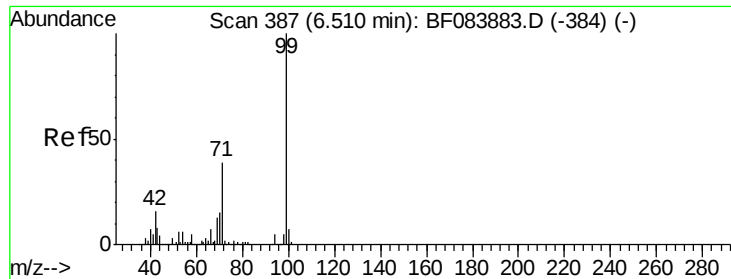
#5
 2-Fluorophenol
 Concen: 101.04 ng
 RT: 5.48 min Scan# 297
 Delta R.T. -0.00 min
 Lab File: BF083971.D
 Acq: 19 Dec 2015 22:58

Tgt Ion:112 Resp: 504258
 Ion Ratio Lower Upper
 112 100
 64 57.6 36.6 55.0#
 63 31.3 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: 112.21 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF083971.D

Acq: 19 Dec 2015 22:58

Instrument :

BNA_F

ClientSampled :

LAR-9879-A

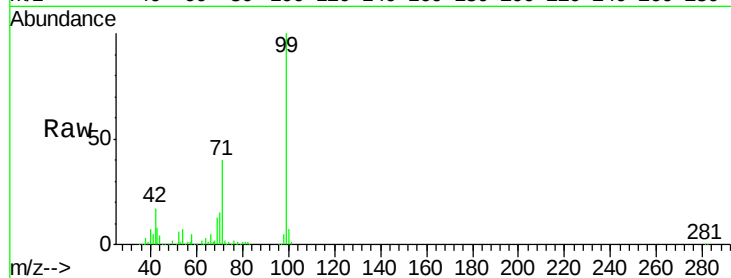
Tgt Ion: 99 Resp: 685434

Ion Ratio Lower Upper

99 100

42 16.8 12.8 19.2

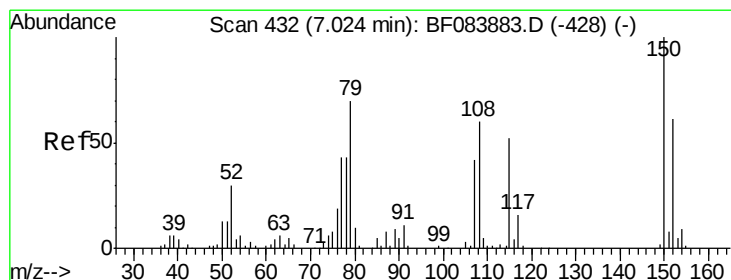
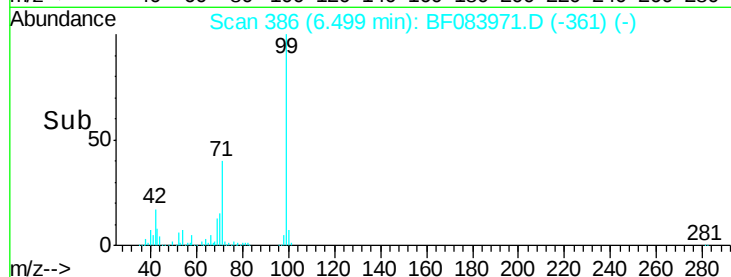
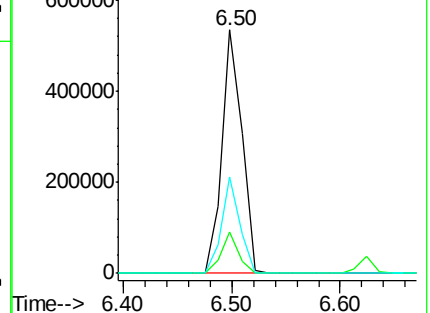
71 39.6 30.9 46.3



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



#15

Benzyl Alcohol

Concen: 2.01 ng

RT: 7.00 min Scan# 430

Delta R.T. -0.02 min

Lab File: BF083971.D

Acq: 19 Dec 2015 22:58

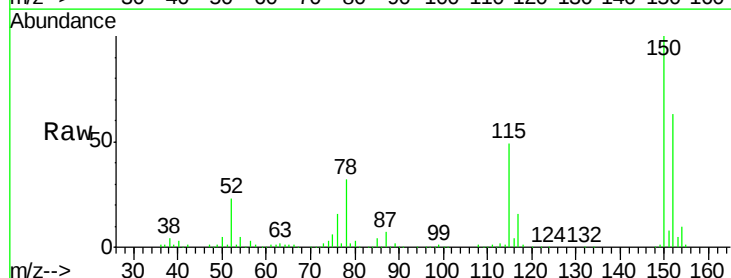
Tgt Ion: 79 Resp: 9301

Ion Ratio Lower Upper

79 100

108 26.8 69.0 103.4#

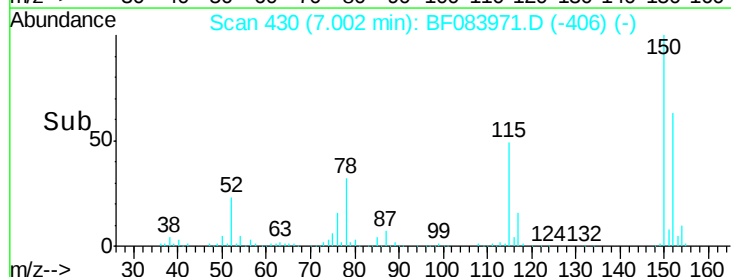
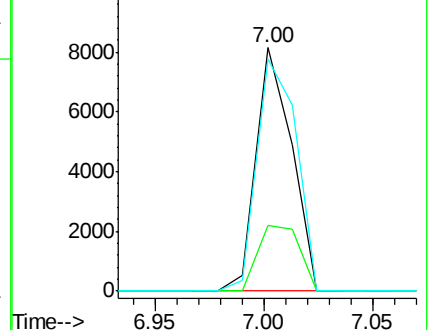
77 95.3 50.0 75.0#

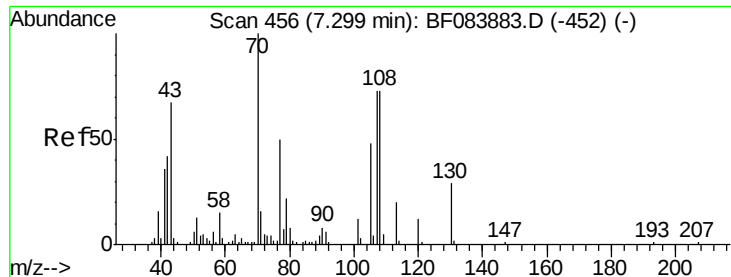


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): B

Ion 77.00 (76.70 to 77.70): BF0

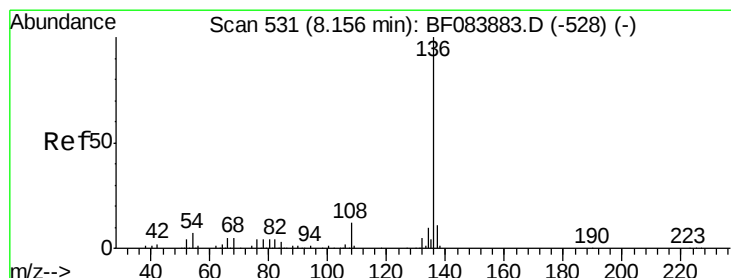
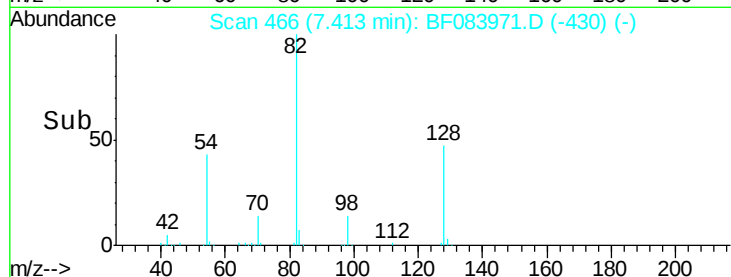
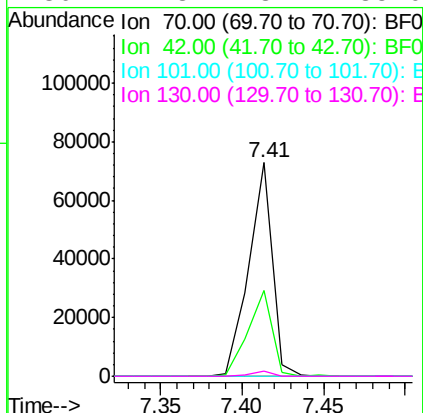
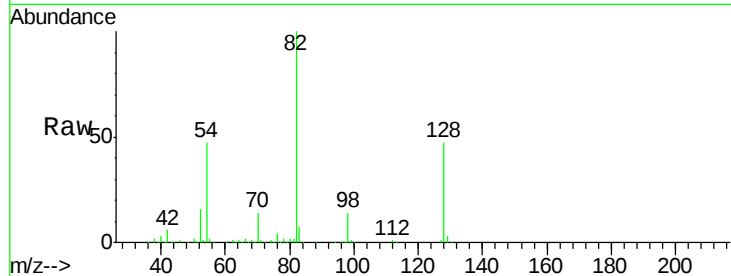




#19
n-Nitroso-di-n-propylamine
Concen: 20.39 ng
RT: 7.41 min Scan# 466
Delta R.T. 0.11 min
Lab File: BF083971.D
Acq: 19 Dec 2015 22:58

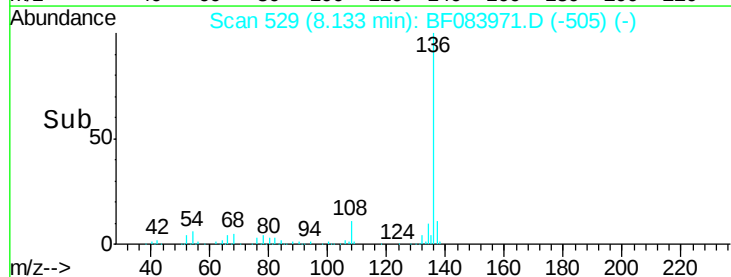
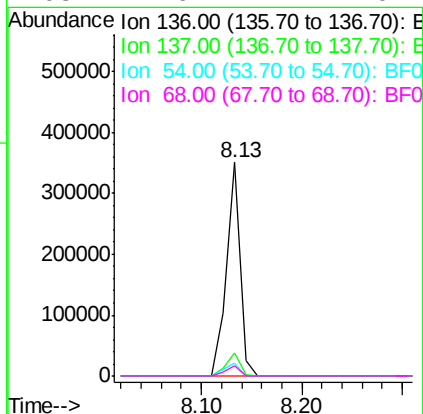
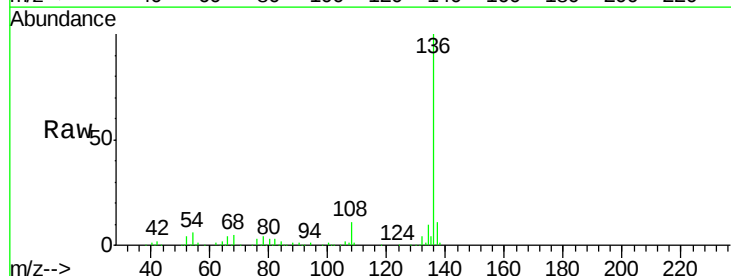
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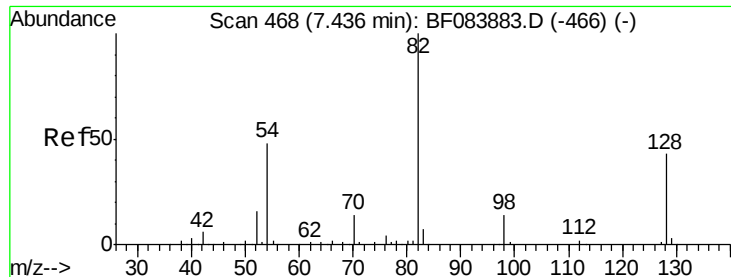
Tgt Ion: 70 Resp: 72623
Ion Ratio Lower Upper
70 100
42 40.1 33.3 49.9
101 0.0 9.3 13.9#
130 2.3 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.02 min
Lab File: BF083971.D
Acq: 19 Dec 2015 22:58

Tgt Ion: 136 Resp: 331774
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 5.8 5.8 8.8#
68 4.6 4.2 6.2

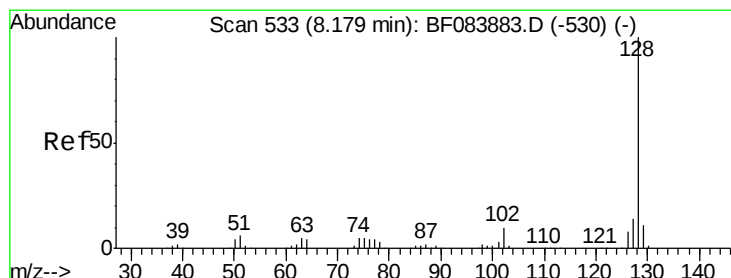
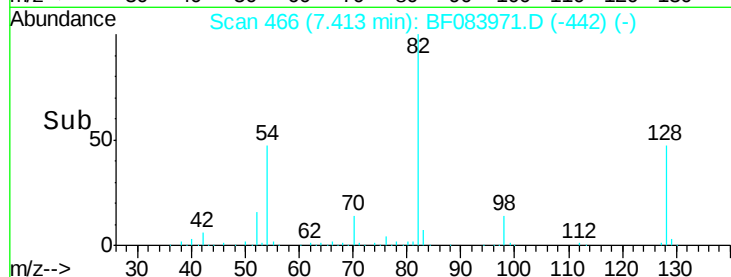
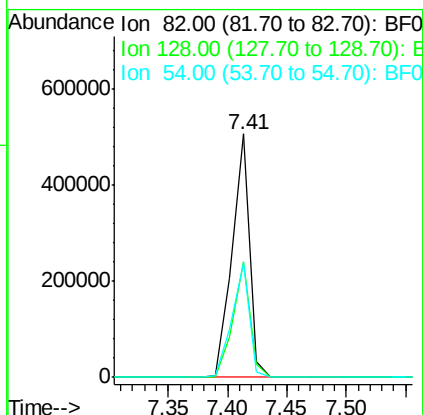
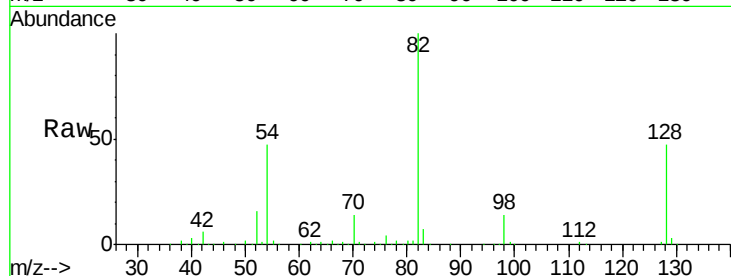




#23
 Nitrobenzene-d5
 Concen: 88.71 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.02 min
 Lab File: BF083971.D
 Acq: 19 Dec 2015 22:58

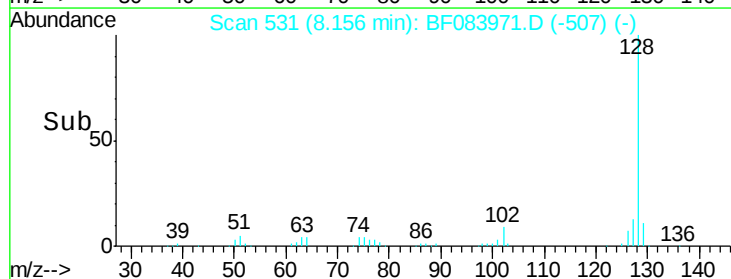
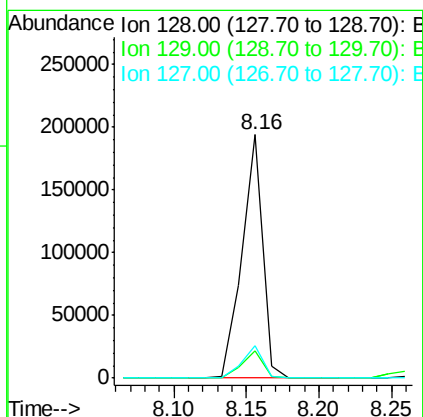
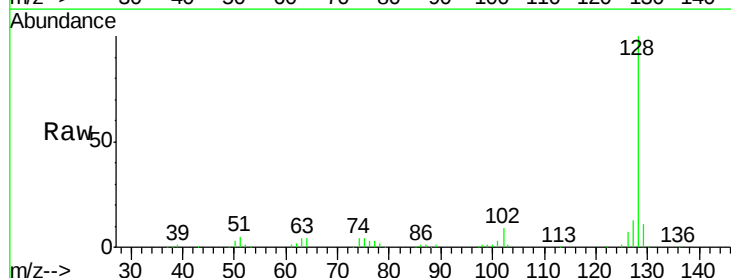
Instrument :
 BNA_F
 ClientSampleId :
 LAR-9879-A

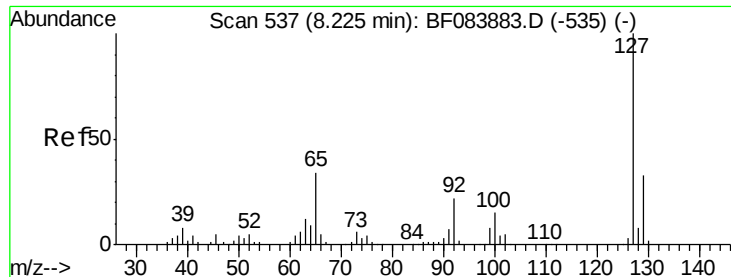
Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.3	34.6	51.8
54	46.9	38.4	57.6



#31
 Naphthalene
 Concen: 9.77 ng
 RT: 8.16 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: BF083971.D
 Acq: 19 Dec 2015 22:58

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.1	13.7
127	13.3	11.1	16.7

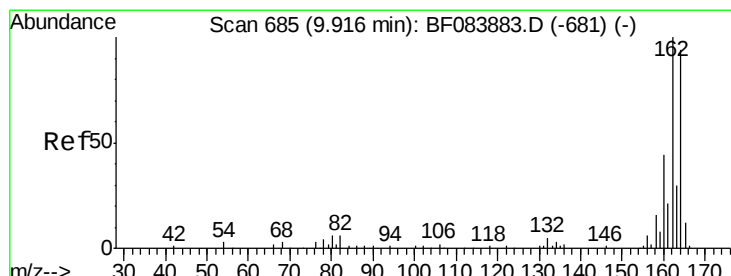
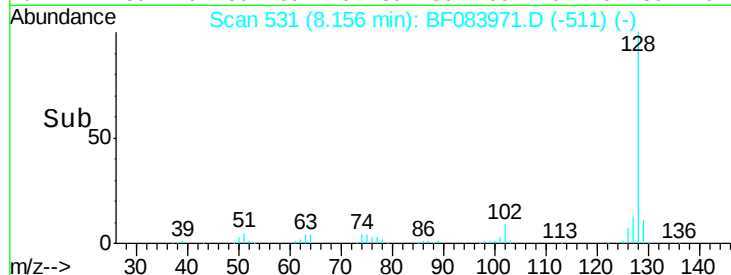
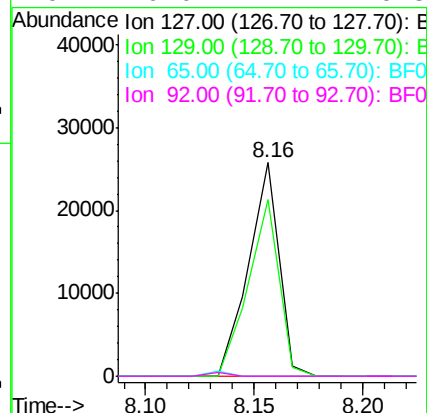
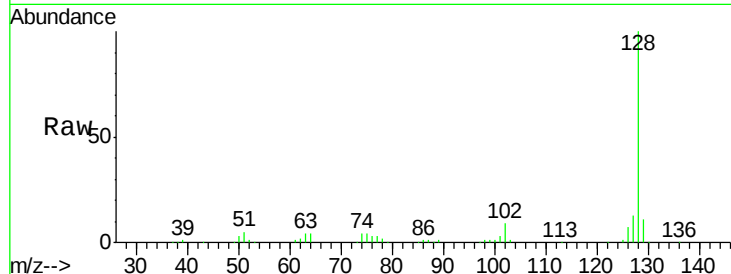




#33
4-Chloroaniline
Concen: 3.33 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.07 min
Lab File: BF083971.D
Acq: 19 Dec 2015 22:58

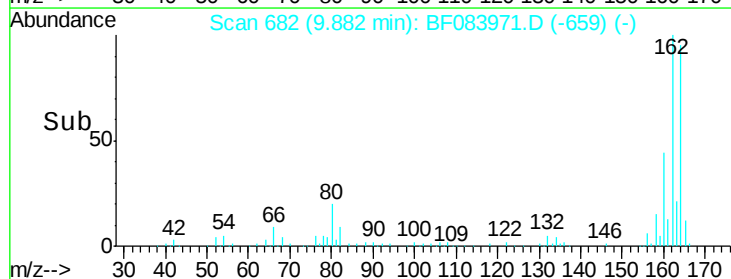
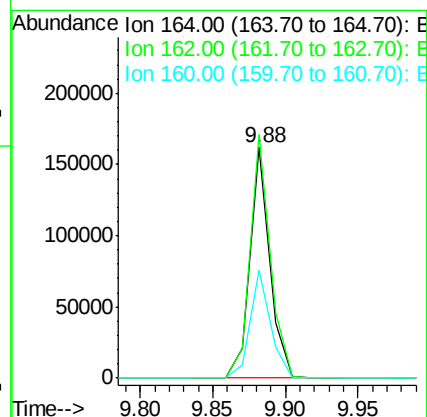
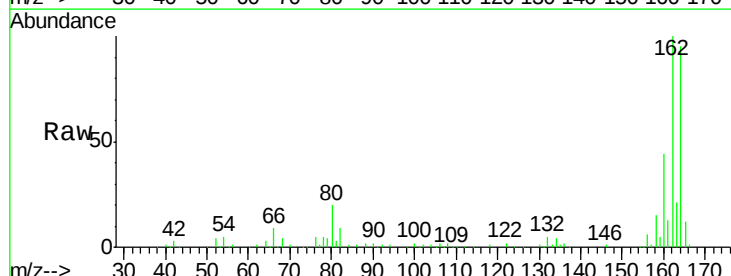
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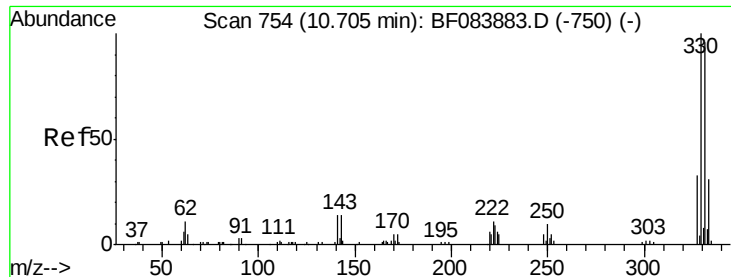
Tgt Ion:	127	Resp:	25107
Ion	Ratio	Lower	Upper
127	100		
129	82.8	26.5	39.7#
65	0.0	27.2	40.8#
92	0.0	17.7	26.5#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.03 min
Lab File: BF083971.D
Acq: 19 Dec 2015 22:58

Tgt Ion:	164	Resp:	153150
Ion	Ratio	Lower	Upper
164	100		
162	105.7	85.1	127.7
160	46.8	37.5	56.3

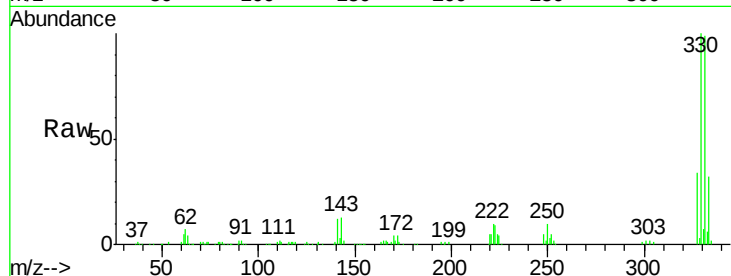




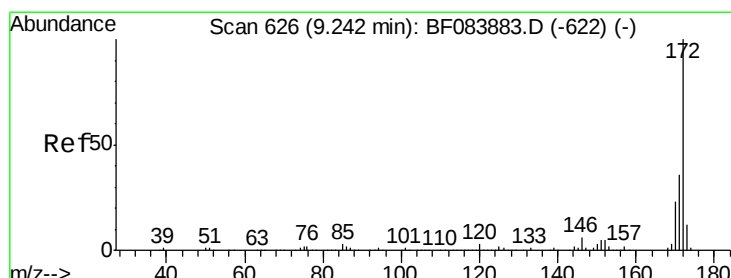
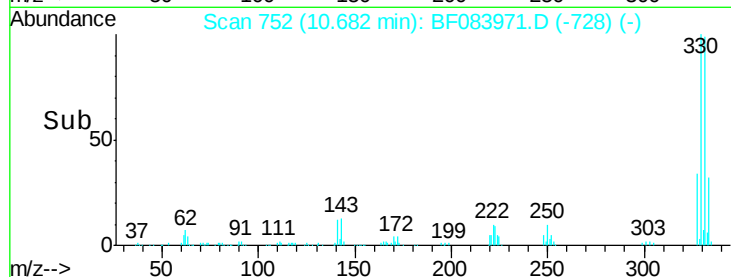
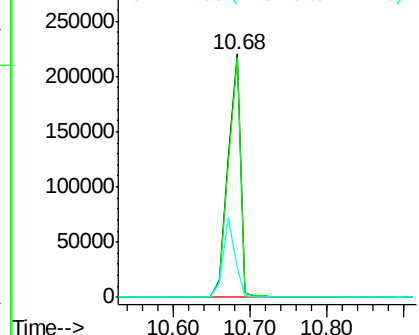
#41
 2,4,6-Tribromophenol
 Concen: 151.59 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.02 min
 Lab File: BF083971.D
 Acq: 19 Dec 2015 22:58

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9879-A

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.6	114.8
141	31.0	27.8	41.6

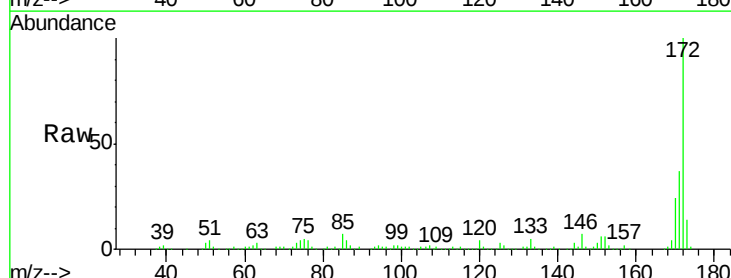


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

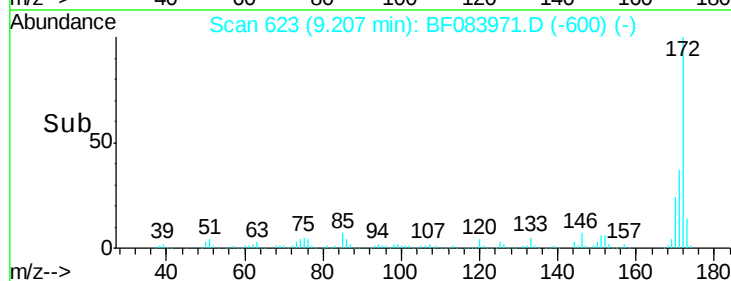
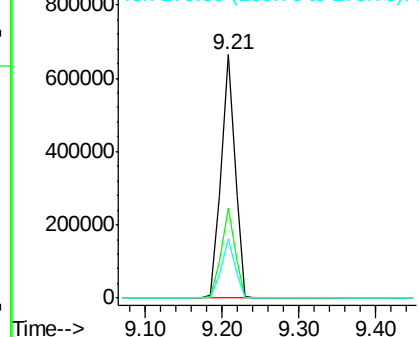


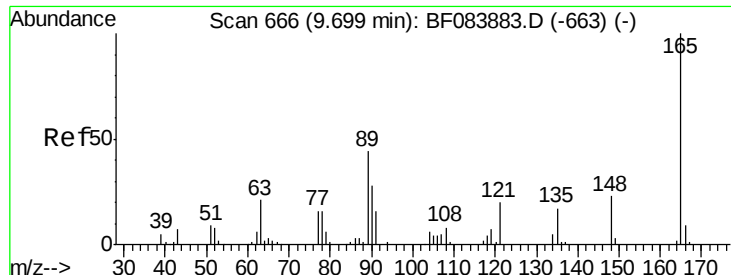
#44
 2-Fluorobiphenyl
 Concen: 76.41 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.03 min
 Lab File: BF083971.D
 Acq: 19 Dec 2015 22:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	28.9	43.3
170	24.4	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

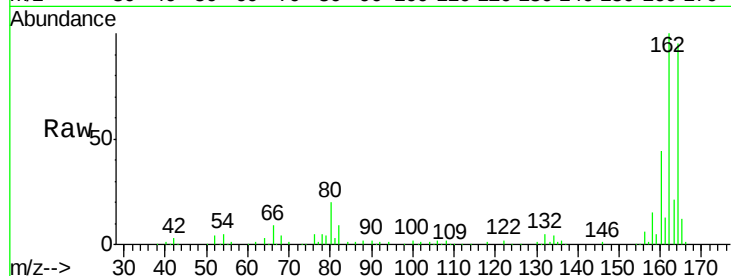




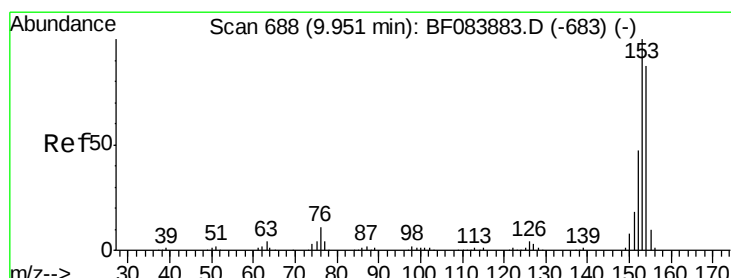
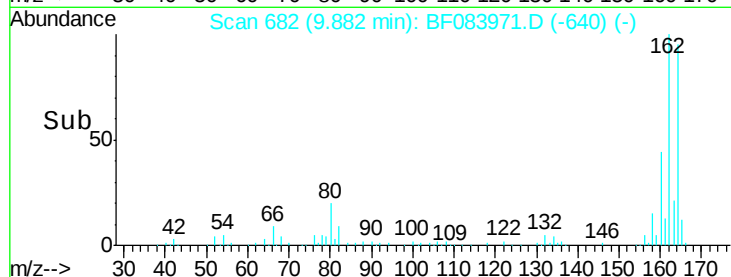
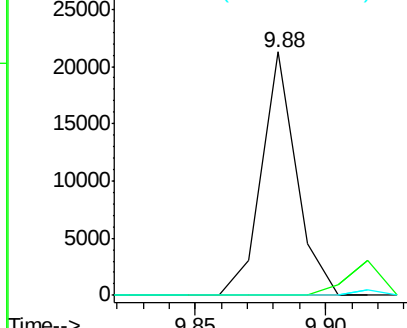
#50
2,6-Dinitrotoluene
Concen: 7.08 ng
RT: 9.88 min Scan# 682
Delta R.T. 0.18 min
Lab File: BF083971.D
Acq: 19 Dec 2015 22:58

Instrument :
BNA_F
ClientSampled :
LAR-9879-A

Tgt Ion:165 Resp: 19837
Ion Ratio Lower Upper
165 100
63 0.0 28.8 43.2#
89 0.0 35.1 52.7#

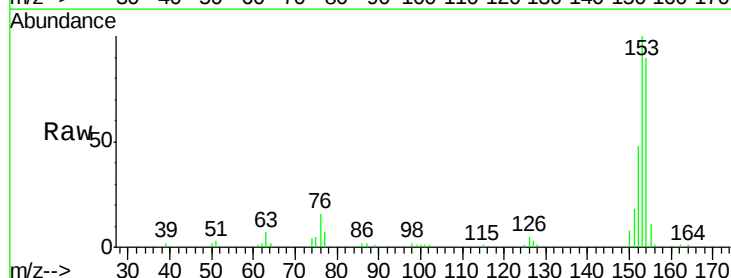


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

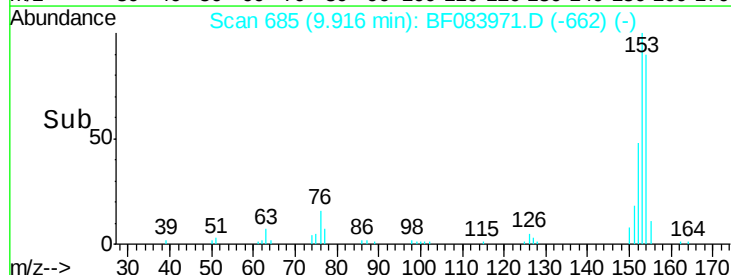
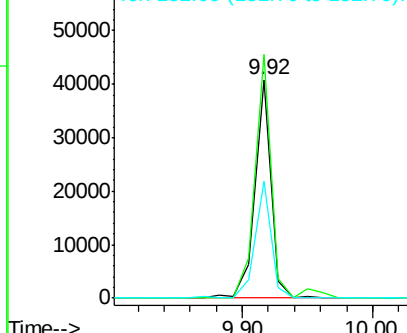


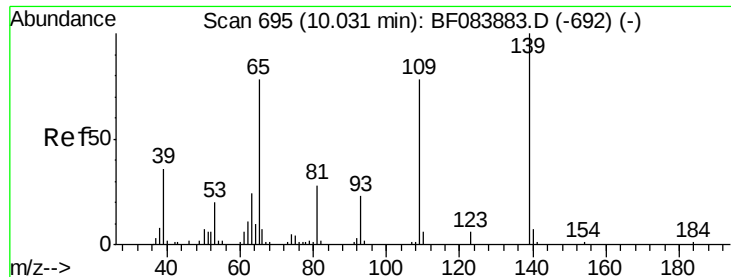
#51
Acenaphthene
Concen: 3.24 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.03 min
Lab File: BF083971.D
Acq: 19 Dec 2015 22:58

Tgt Ion:154 Resp: 35561
Ion Ratio Lower Upper
154 100
153 111.4 91.5 137.3
152 53.7 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#55

4-Nitrophenol

Concen: 5.44 ng

RT: 10.09 min Scan# 700

Delta R.T. 0.06 min

Lab File: BF083971.D

Acq: 19 Dec 2015 22:58

Instrument :

BNA_F

ClientSampleId :

LAR-9879-A

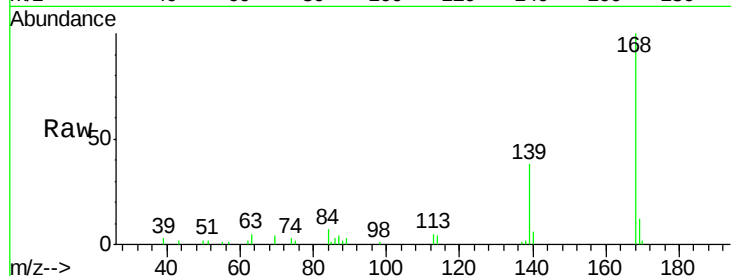
Tgt Ion:139 Resp: 10027

Ion Ratio Lower Upper

139 100

109 0.0 58.5 98.5#

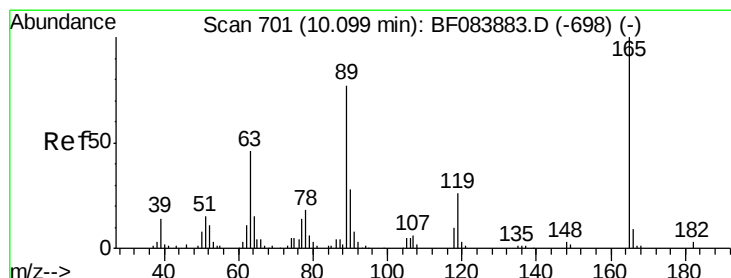
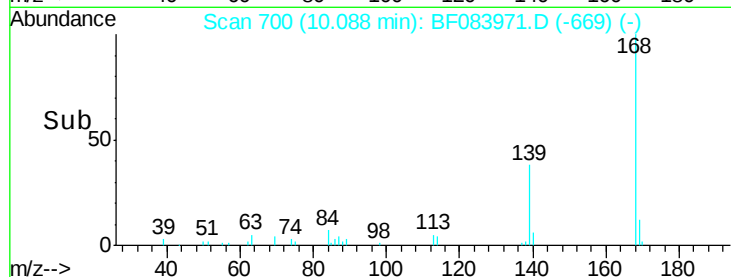
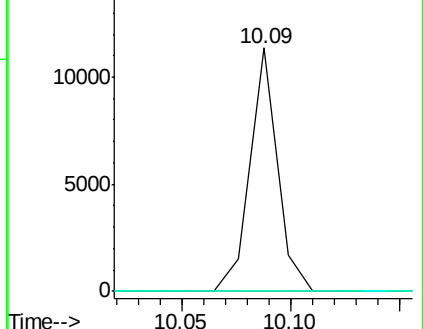
65 0.0 57.6 97.6#



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: 5.52 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.22 min

Lab File: BF083971.D

Acq: 19 Dec 2015 22:58

Tgt Ion:165 Resp: 19838

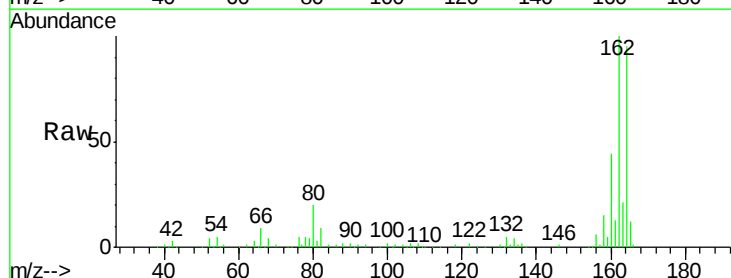
Ion Ratio Lower Upper

165 100

63 0.0 36.7 55.1#

89 0.0 61.9 92.9#

182 0.0 2.0 3.0#

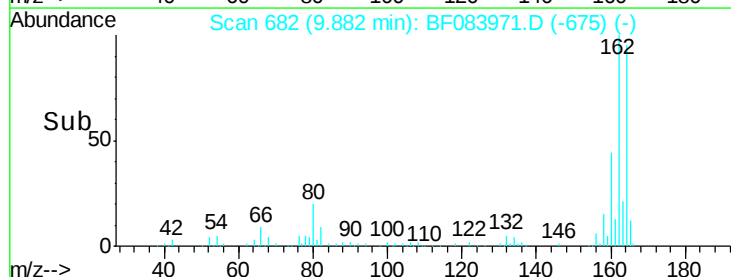
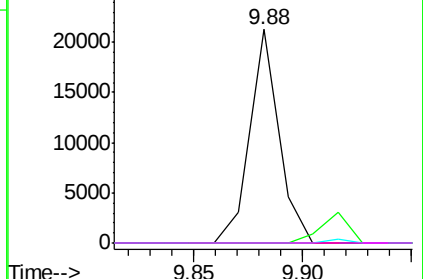


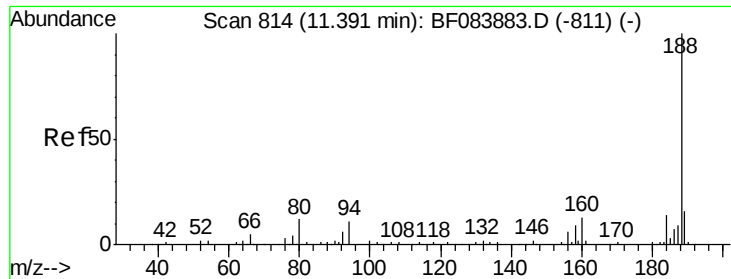
Abundance Ion 165.00 (164.70 to 165.70): E

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

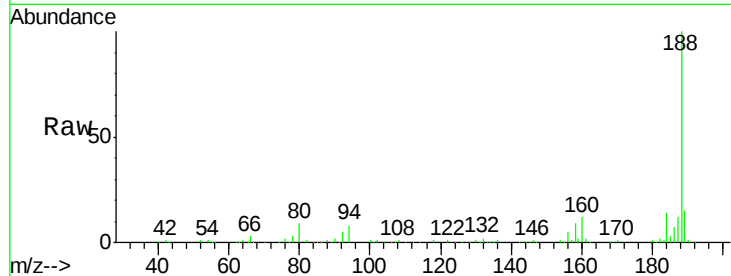




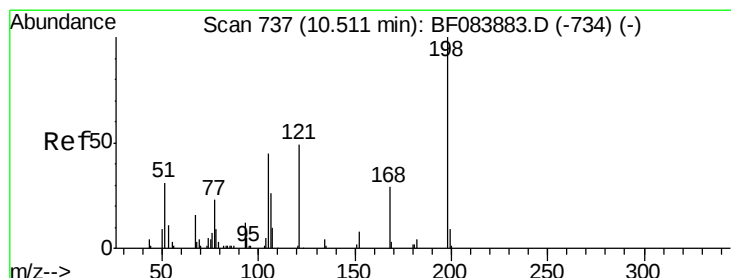
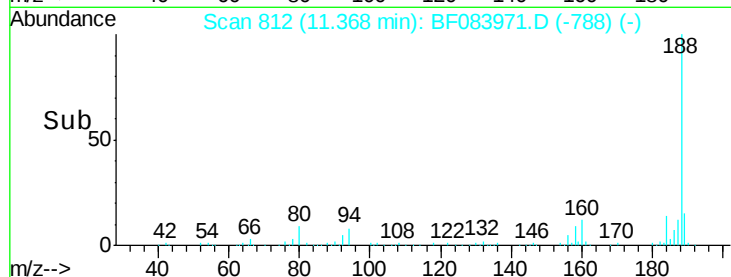
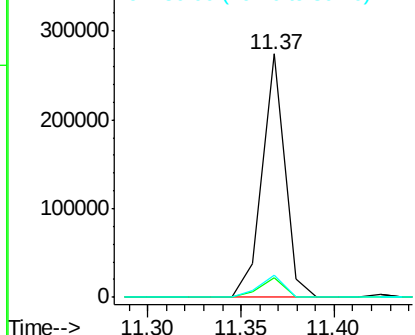
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.02 min
Lab File: BF083971.D
Acq: 19 Dec 2015 22:58

Instrument :
BNA_F
ClientSampleId :
LAR-9879-A

Tgt Ion:188 Resp: 230432
Ion Ratio Lower Upper
188 100
94 8.2 9.0 13.4#
80 9.0 9.6 14.4#

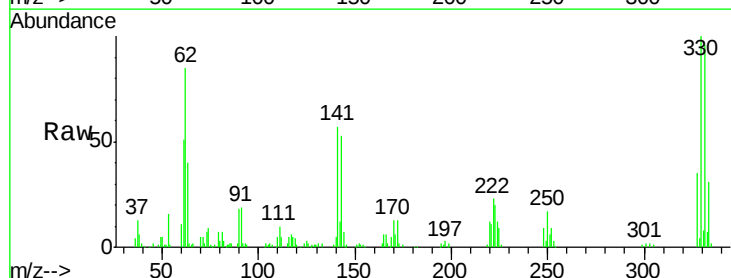


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

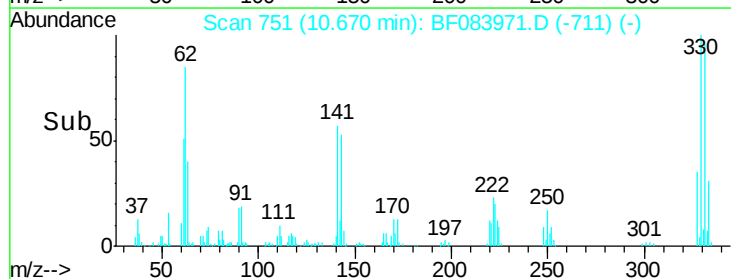
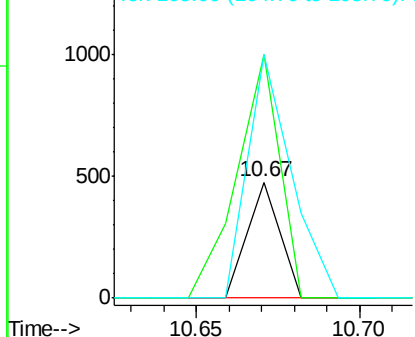


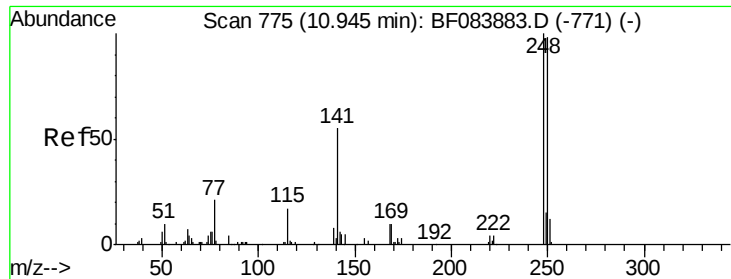
#64
4,6-Dinitro-2-methylphenol
Concen: 4.14 ng
RT: 10.67 min Scan# 751
Delta R.T. 0.16 min
Lab File: BF083971.D
Acq: 19 Dec 2015 22:58

Tgt Ion:198 Resp: 326
Ion Ratio Lower Upper
198 100
51 210.5 18.9 58.9#
105 210.3 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

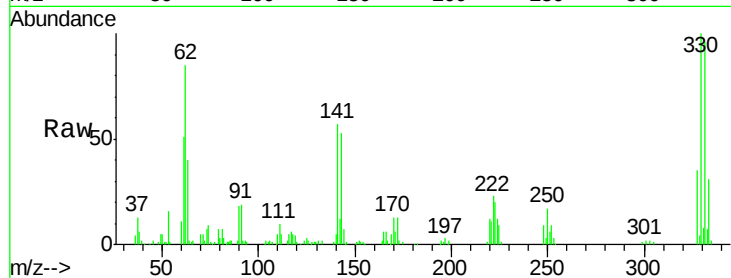




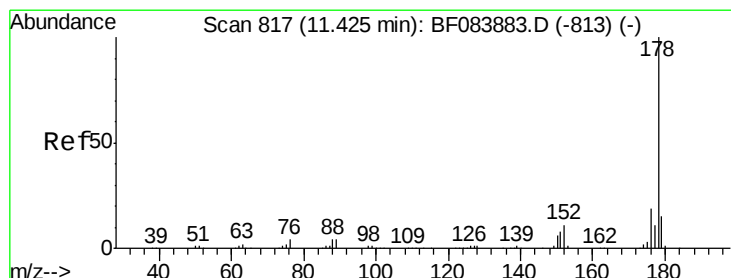
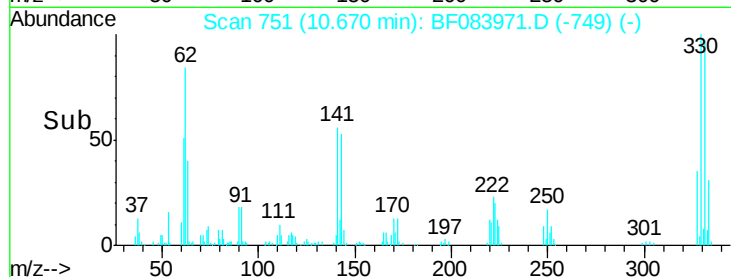
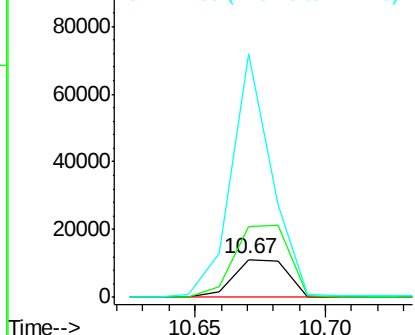
#66
 4-Bromophenyl-phenylether
 Concen: 5.74 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.27 min
 Lab File: BF083971.D
 Acq: 19 Dec 2015 22:58

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9879-A

Tgt Ion:248 Resp: 16184
 Ion Ratio Lower Upper
 248 100
 250 187.7 78.4 117.6#
 141 640.5 44.0 66.0#

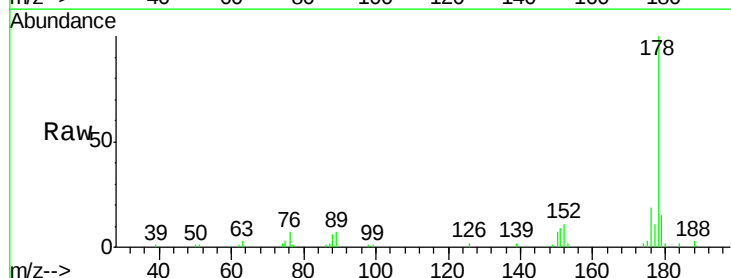


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

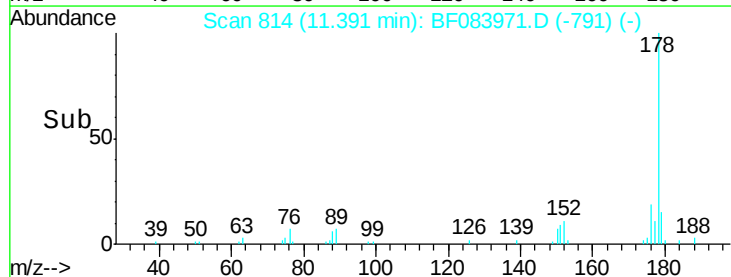
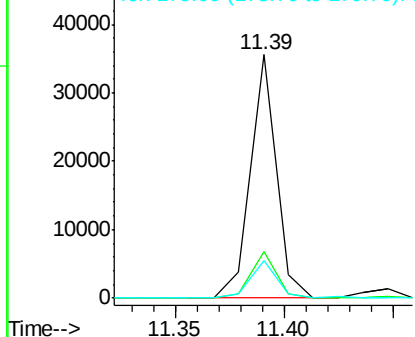


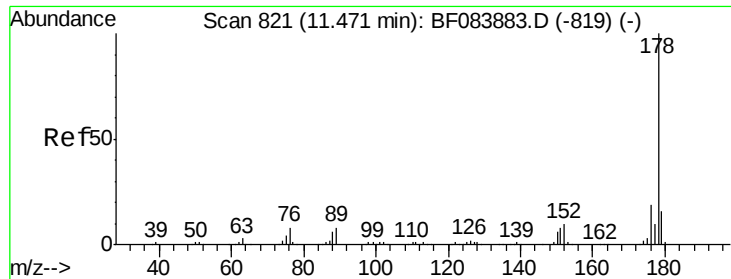
#70
 Phenanthrene
 Concen: 2.11 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.03 min
 Lab File: BF083971.D
 Acq: 19 Dec 2015 22:58

Tgt Ion:178 Resp: 29310
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.3 22.9
 179 15.2 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

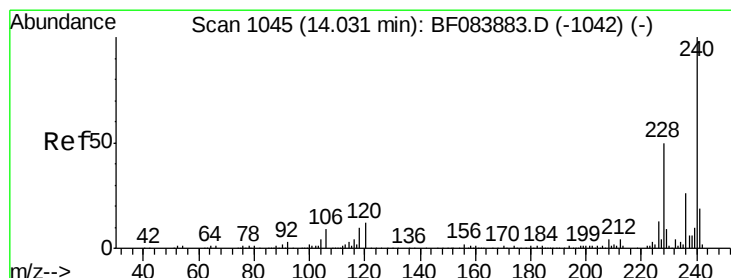
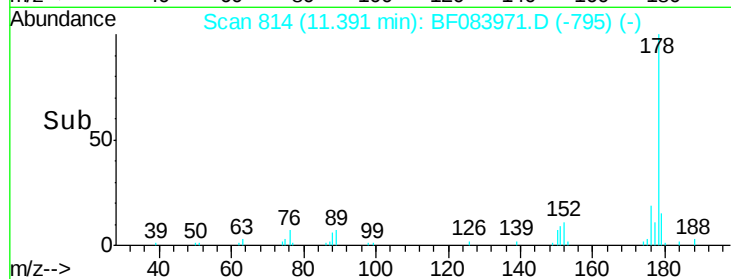
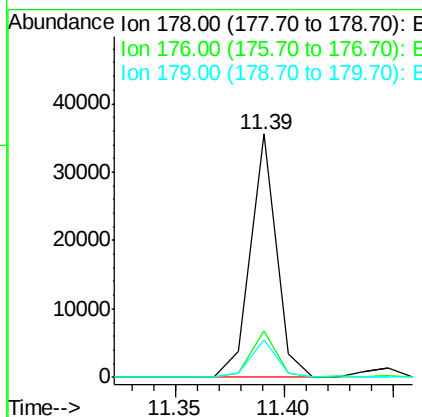
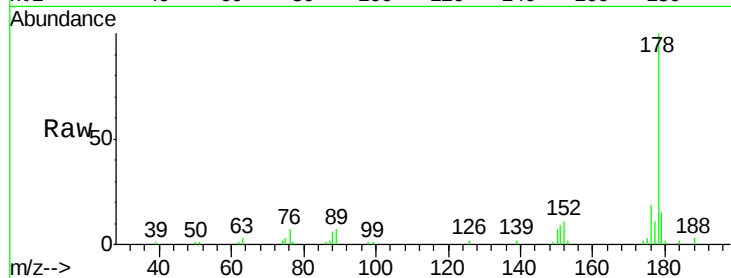




#71
 Anthracene
 Concen: 2.18 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.08 min
 Lab File: BF083971.D
 Acq: 19 Dec 2015 22:58

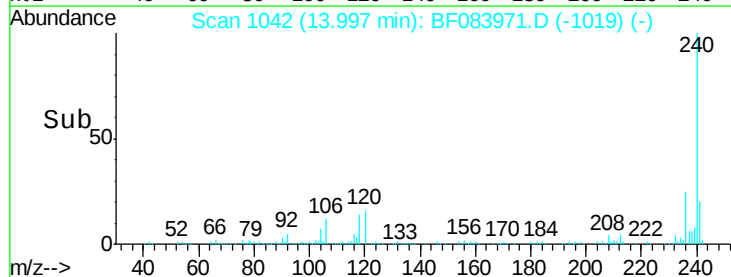
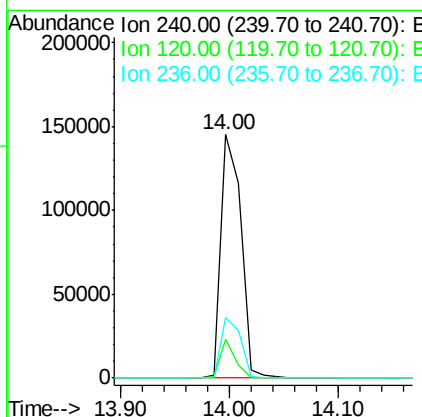
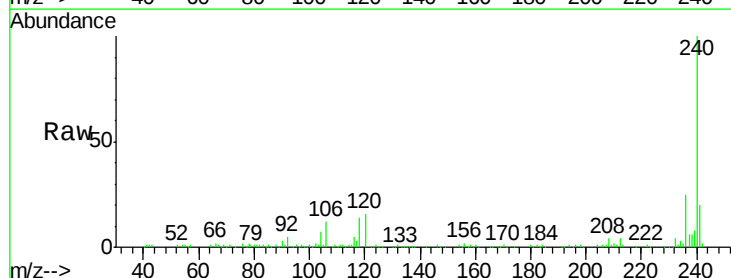
Instrument :
 BNA_F
 ClientSampleId :
 LAR-9879-A

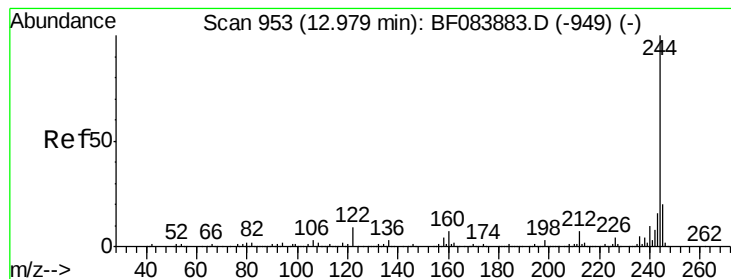
Tgt Ion:178 Resp: 29310
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.0
 179 15.2 12.5 18.7



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.00 min Scan# 1042
 Delta R.T. -0.03 min
 Lab File: BF083971.D
 Acq: 19 Dec 2015 22:58

Tgt Ion:240 Resp: 186342
 Ion Ratio Lower Upper
 240 100
 120 16.0 9.5 14.3#
 236 25.1 20.6 31.0





#78

Terphenyl-d14

Concen: 115.69 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.02 min

Lab File: BF083971.D

Acq: 19 Dec 2015 22:58

Instrument :

BNA_F

ClientSampleId :

LAR-9879-A

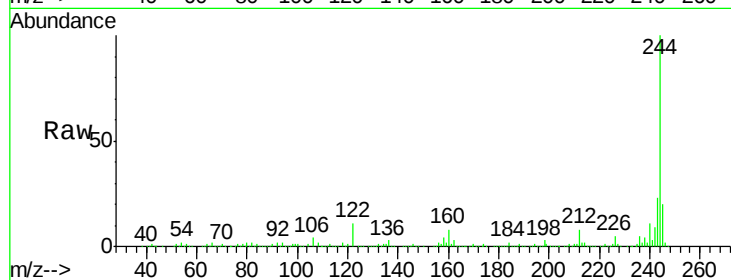
Tgt Ion:244 Resp: 904056

Ion Ratio Lower Upper

244 100

212 7.9 5.7 8.5

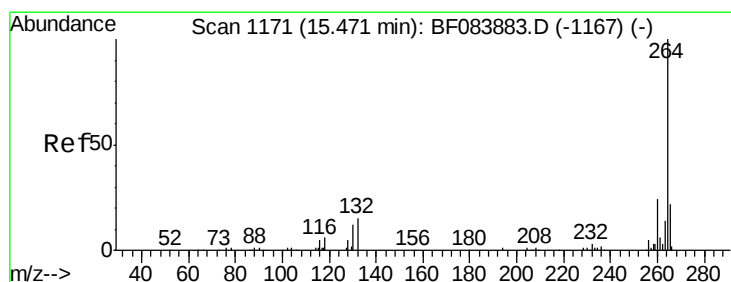
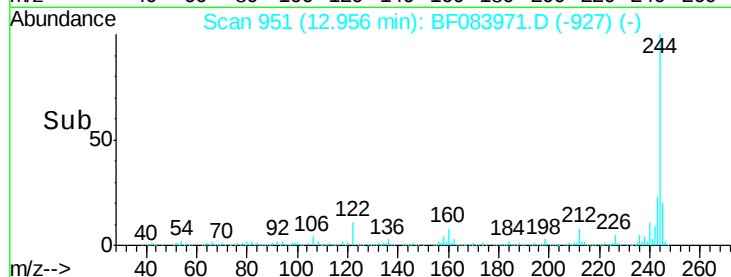
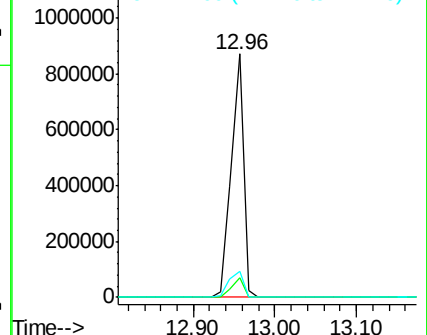
122 10.7 7.4 11.0



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: BF083971.D

Acq: 19 Dec 2015 22:58

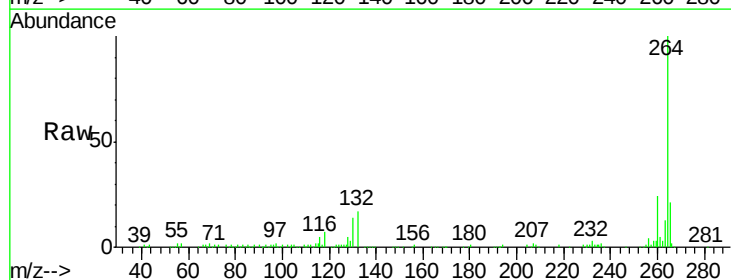
Tgt Ion:264 Resp: 145888

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.2

265 21.3 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

