

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061816\
 Data File : BF088160.D
 Acq On : 19 Jun 2016 4:16
 Operator : UM/SJ
 Sample : H3628-04
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-26

Quant Time: Jun 19 07:54:41 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 17 16:09:13 2016
 Response via : Initial Calibration

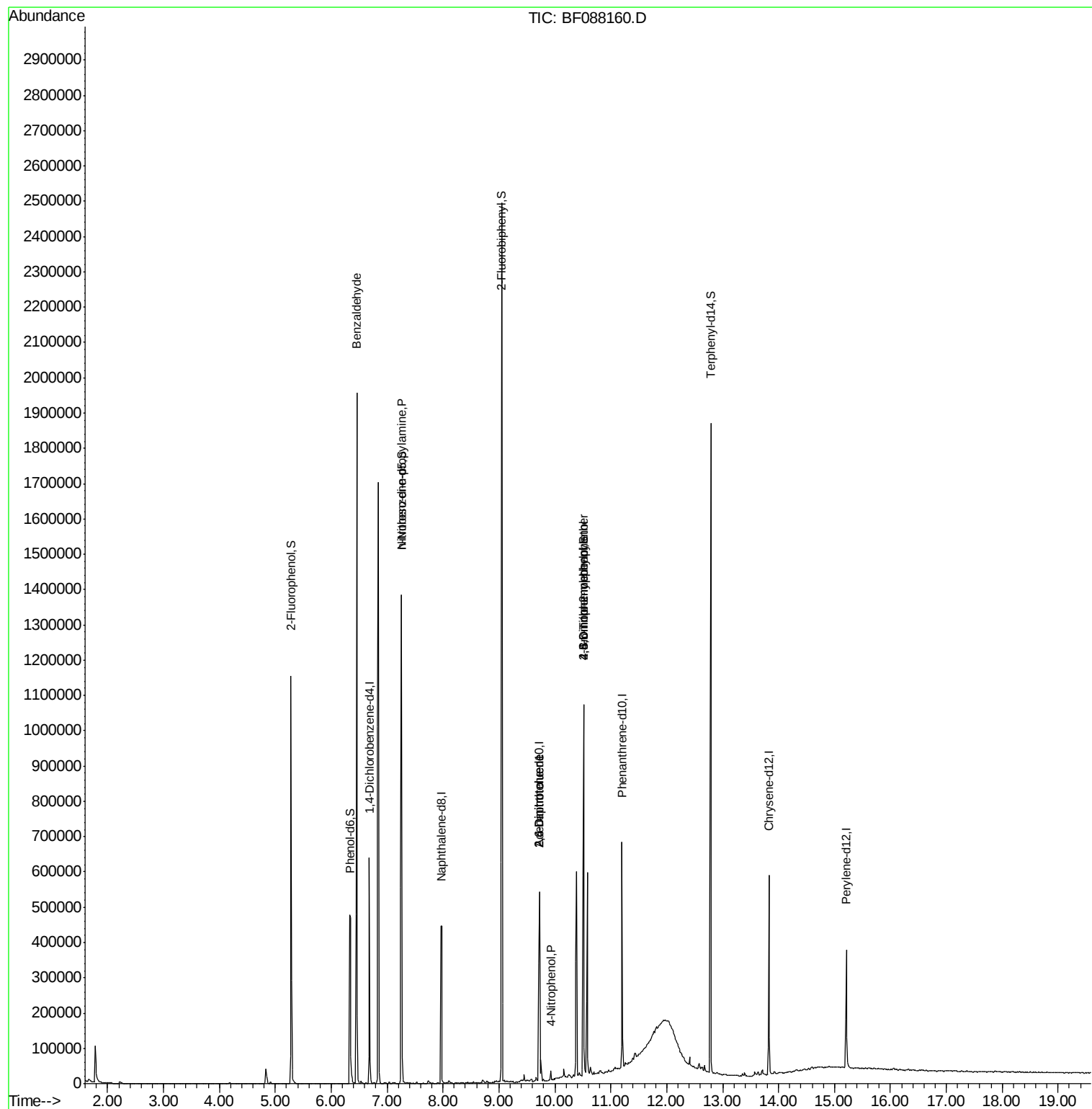
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	95554	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	326778	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	132463	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	214946	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	179528	20.00	ng	-0.02
86) Perylene-d12	15.21	264	140083	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	345896	61.88	ng	0.00
7) Phenol-d6	6.34	99	269175	39.74	ng	-0.01
23) Nitrobenzene-d5	7.26	82	497056	88.82	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	144229	103.12	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	786643	93.87	ng	-0.02
78) Terphenyl-d14	12.79	244	650416	82.44	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.46	77	12065	2.58	ng	# 73
10) Phenol	6.35	94	494	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.26	70	65938	15.22	ng	# 70
45) 1,1'-Biphenyl	9.05	154	1459	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.72	165	16976	7.73	ng	# 39
55) 4-Nitrophenol	9.93	139	5294	2.69	ng	# 14
56) 2,4-Dinitrotoluene	9.72	165	16976	6.01	ng	# 37
57) Fluorene	10.26	166	1947	Below Cal	#	94
64) 4,6-Dinitro-2-methylphenol	10.51	198	247	2.34	ng	# 1
66) 4-Bromophenyl-phenylether	10.51	248	10369	4.50	ng	# 1

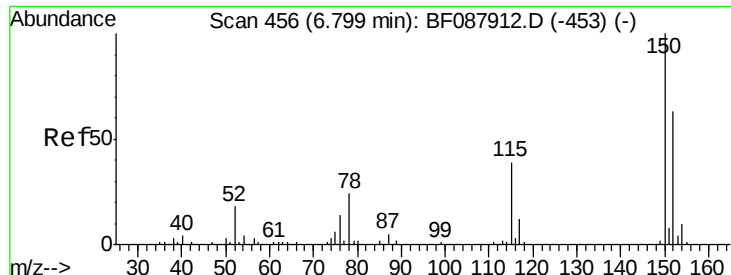
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF088160.D

Acq: 19 Jun 2016 4:16

Instrument :

BNA_F

ClientSampled :

W-26

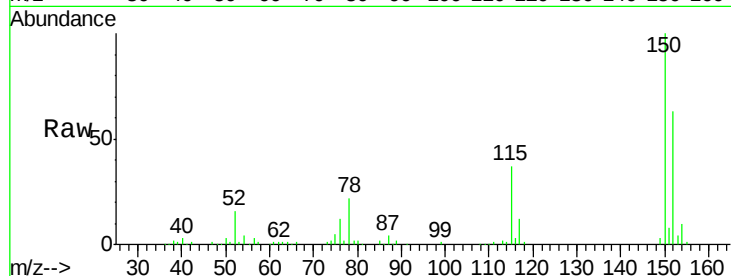
Tgt Ion:152 Resp: 95554

Ion Ratio Lower Upper

152 100

150 157.7 123.8 185.6

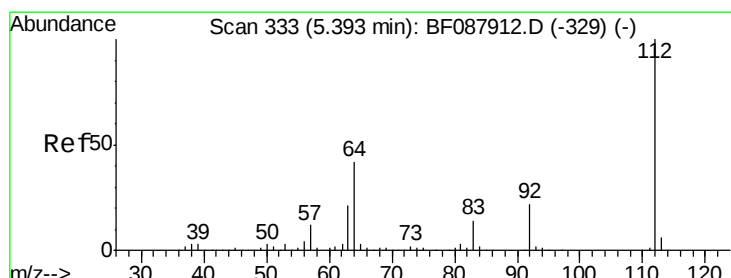
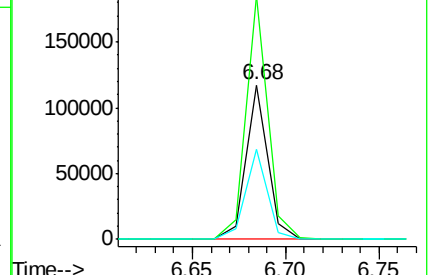
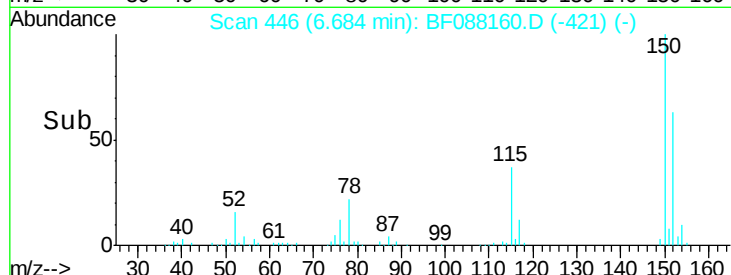
115 58.6 39.6 59.4



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: 61.88 ng

RT: 5.28 min Scan# 323

Delta R.T. -0.00 min

Lab File: BF088160.D

Acq: 19 Jun 2016 4:16

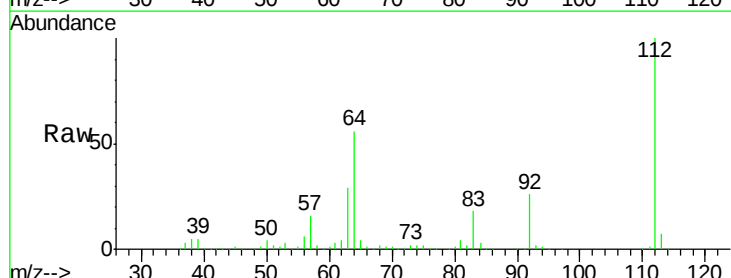
Tgt Ion:112 Resp: 345896

Ion Ratio Lower Upper

112 100

64 55.8 42.2 63.2

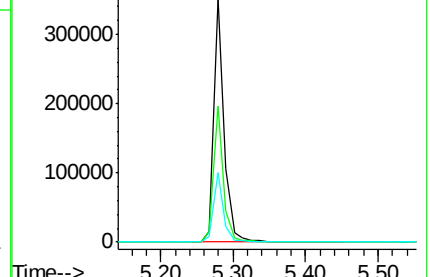
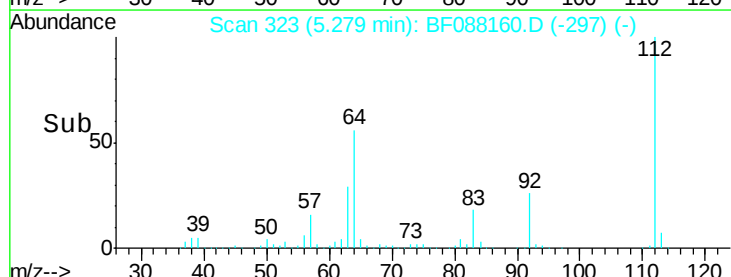
63 28.6 21.8 32.8

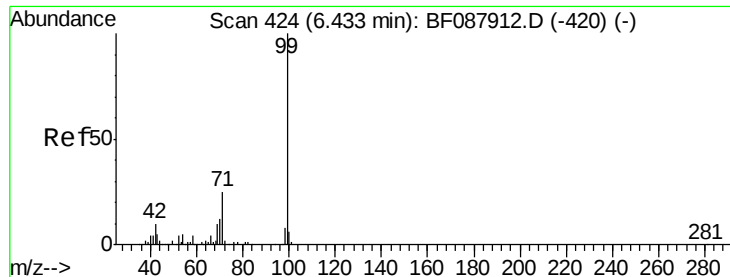


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.74 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088160.D

Acq: 19 Jun 2016 4:16

Instrument :

BNA_F

ClientSampled :

W-26

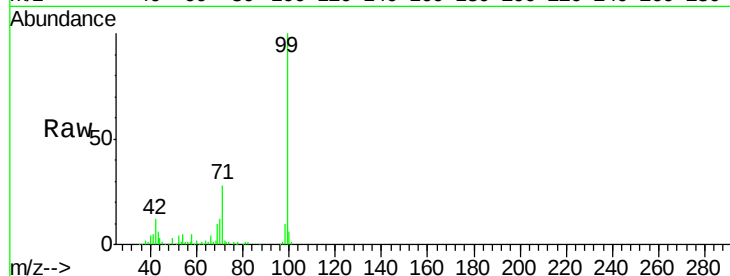
Tgt Ion: 99 Resp: 269175

Ion Ratio Lower Upper

99 100

42 11.8 12.2 18.2#

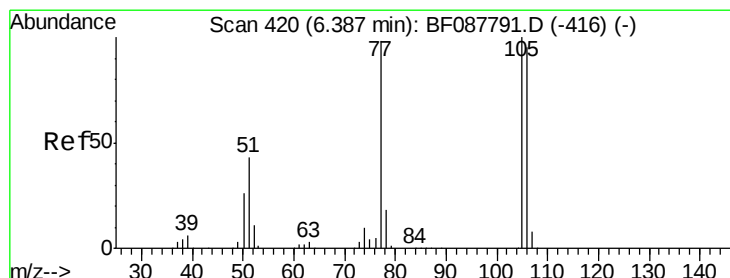
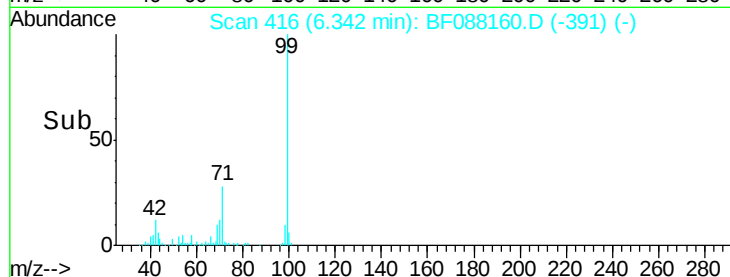
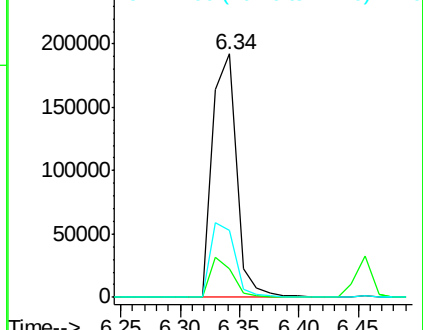
71 27.7 23.4 35.0



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: 2.58 ng

RT: 6.46 min Scan# 426

Delta R.T. 0.22 min

Lab File: BF088160.D

Acq: 19 Jun 2016 4:16

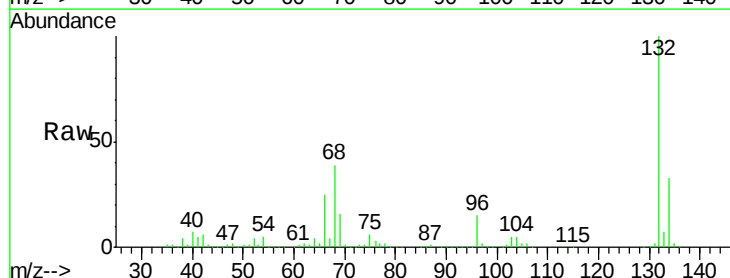
Tgt Ion: 77 Resp: 12065

Ion Ratio Lower Upper

77 100

105 84.6 90.6 130.6#

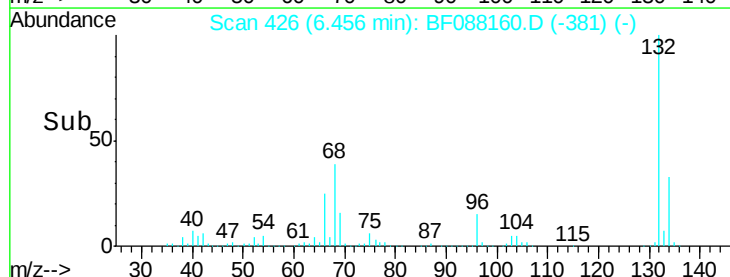
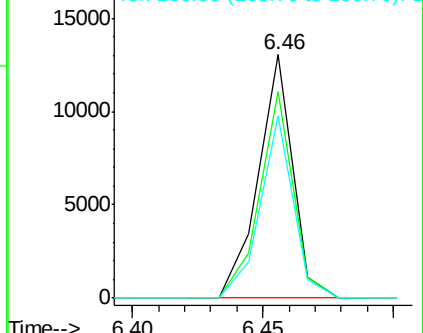
106 74.6 85.3 125.3#

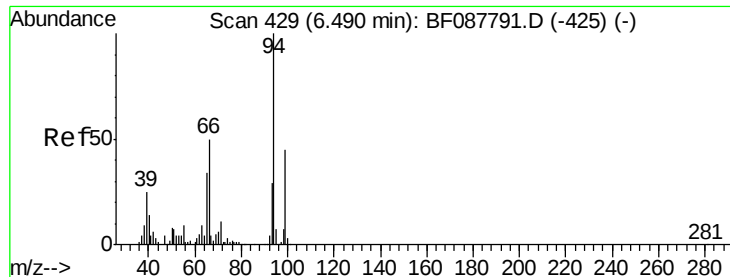


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: Below Cal

RT: 6.35 min Scan# 417

Delta R.T. -0.01 min

Lab File: BF088160.D

Acq: 19 Jun 2016 4:16

Instrument :

BNA_F

ClientSampled :

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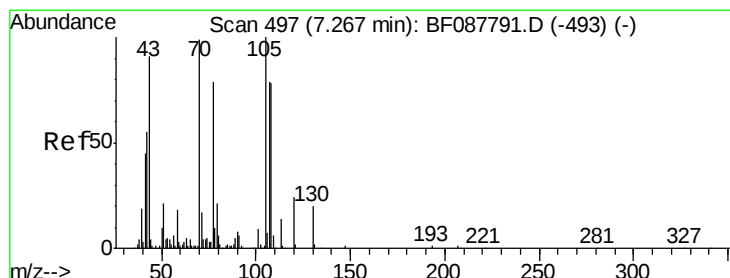
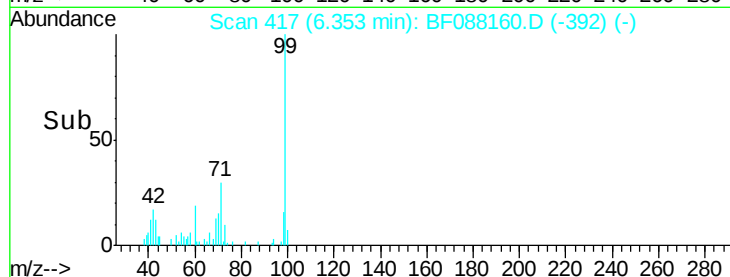
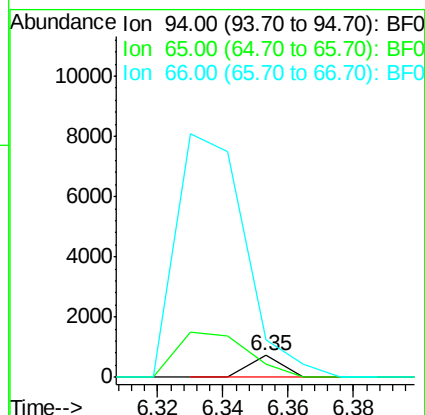
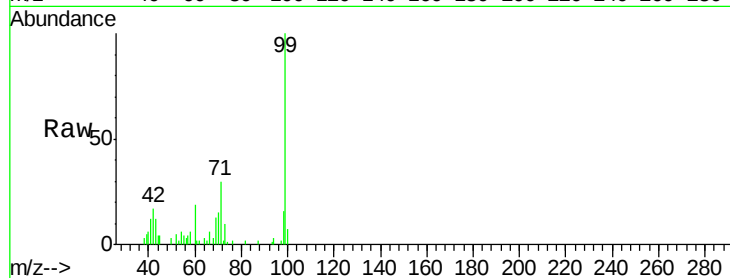
Tgt Ion: 94 Resp: 494

Ion Ratio Lower Upper

94 100

65 60.1 5.9 45.9#

66 171.0 14.0 54.0#



#19

n-Nitroso-di-n-propylamine

Concen: 15.22 ng

RT: 7.26 min Scan# 496

Delta R.T. 0.13 min

Lab File: BF088160.D

Acq: 19 Jun 2016 4:16

Tgt Ion: 70 Resp: 65938

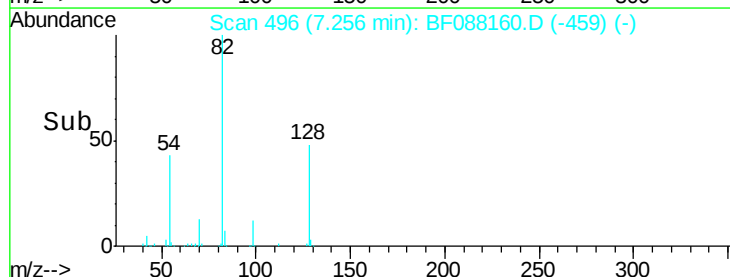
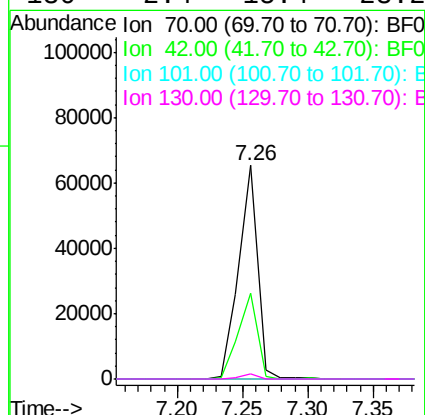
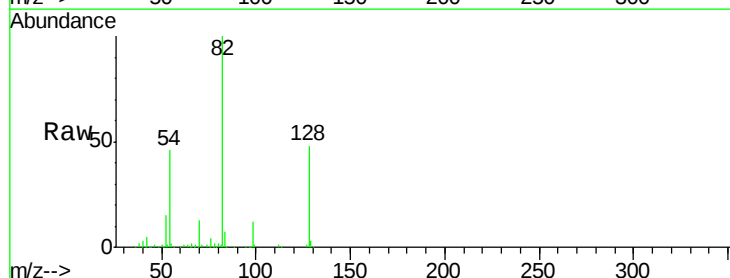
Ion Ratio Lower Upper

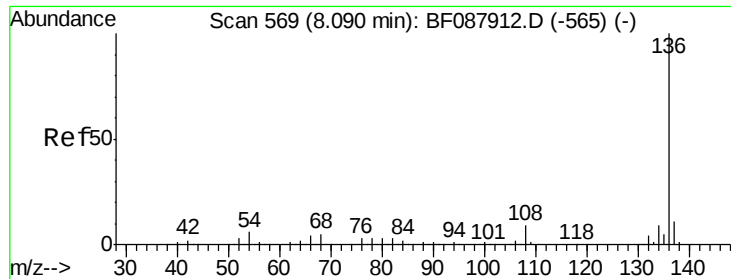
70 100

42 39.9 49.6 74.4#

101 0.0 7.1 10.7#

130 2.4 15.4 23.2#

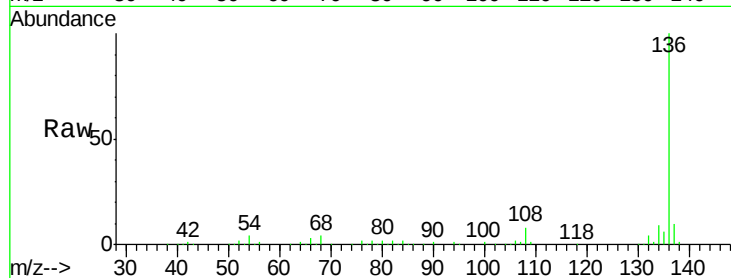




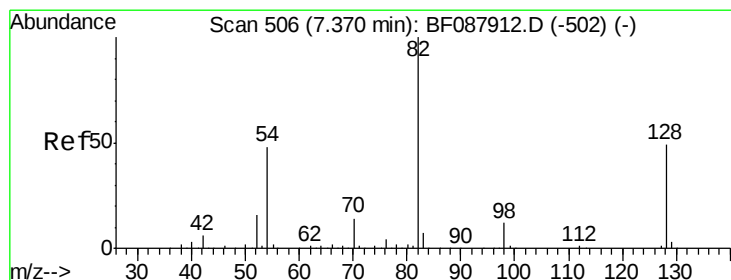
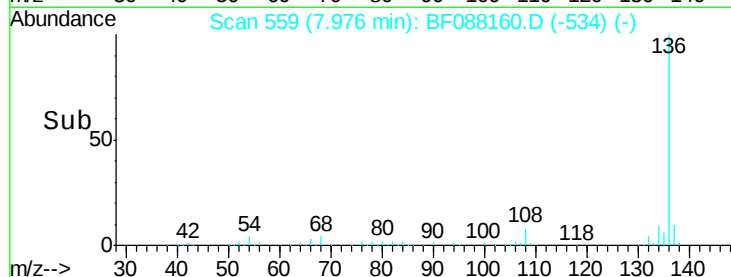
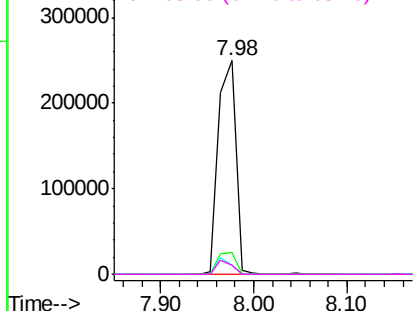
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF088160.D
Acq: 19 Jun 2016 4:16

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	4.4	6.6	10.0#
68	4.0	5.1	7.7#

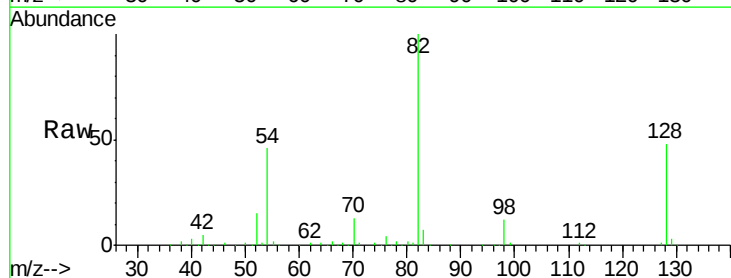


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

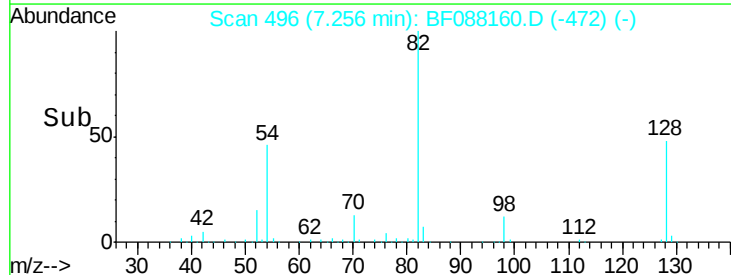
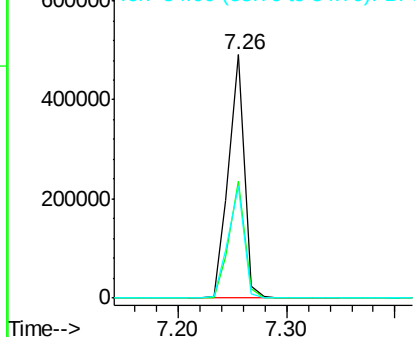


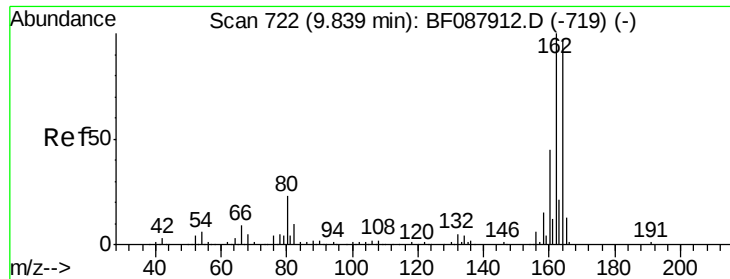
#23
Nitrobenzene-d5
Concen: 88.82 ng
RT: 7.26 min Scan# 496
Delta R.T. -0.02 min
Lab File: BF088160.D
Acq: 19 Jun 2016 4:16

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.9	35.9	53.9
54	45.9	40.9	61.3



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF088160.D

Acq: 19 Jun 2016 4:16

Instrument :

BNA_F

ClientSampleId :

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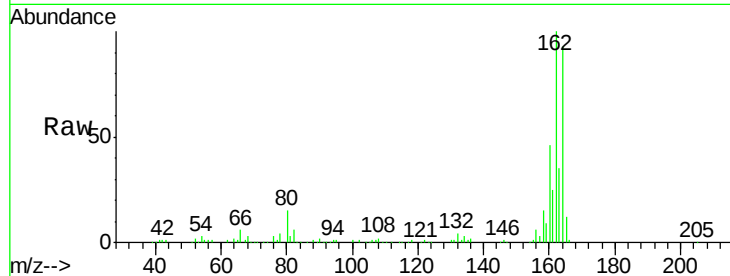
Tgt Ion:164 Resp: 132463

Ion Ratio Lower Upper

164 100

162 107.3 85.4 128.2

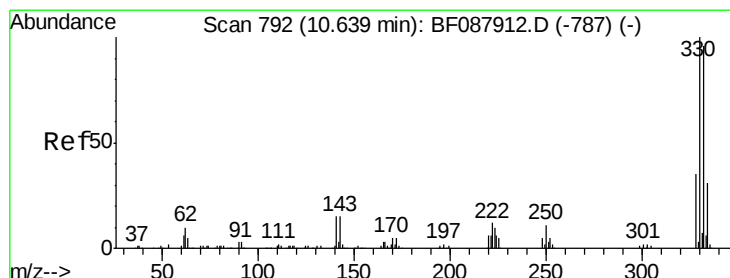
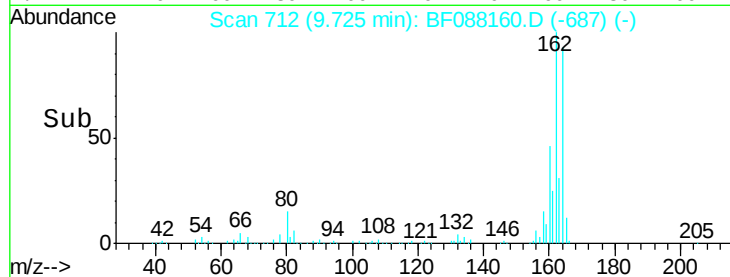
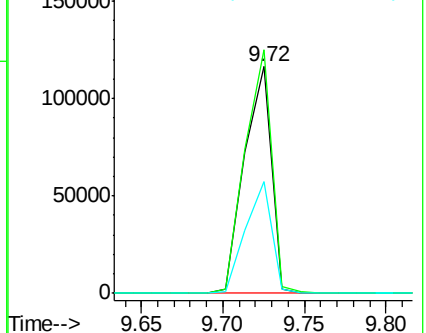
160 49.0 39.5 59.3



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: 103.12 ng

RT: 10.51 min Scan# 781

Delta R.T. -0.01 min

Lab File: BF088160.D

Acq: 19 Jun 2016 4:16

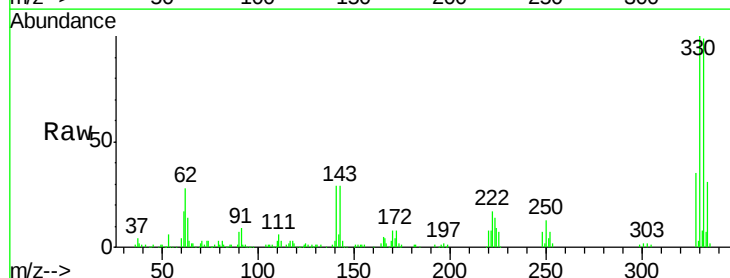
Tgt Ion:330 Resp: 144229

Ion Ratio Lower Upper

330 100

332 98.4 0.0 0.0#

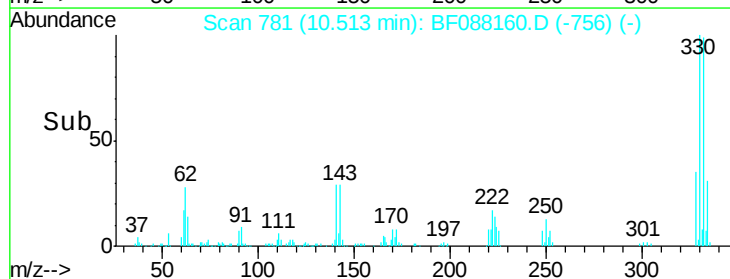
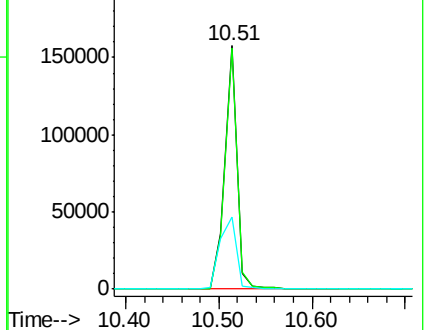
141 40.1 0.0 0.0#

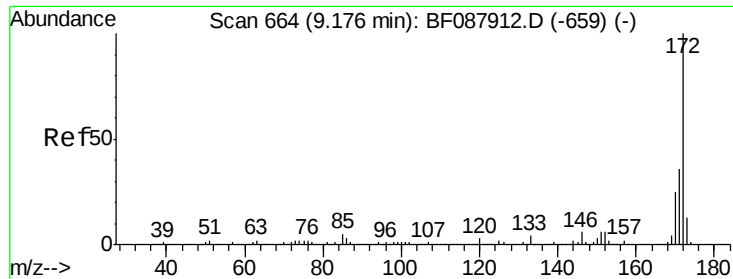


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

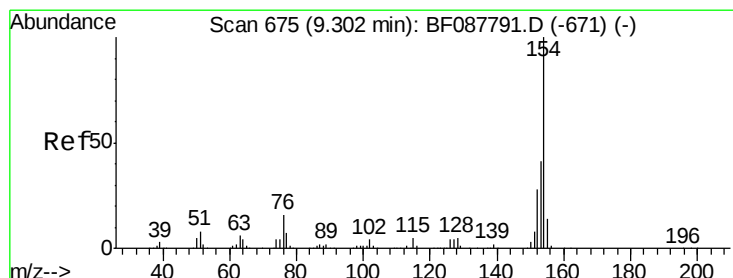
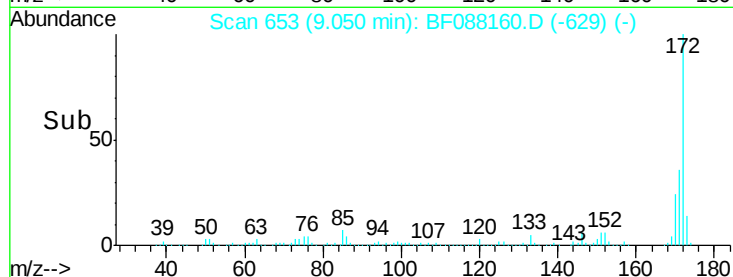
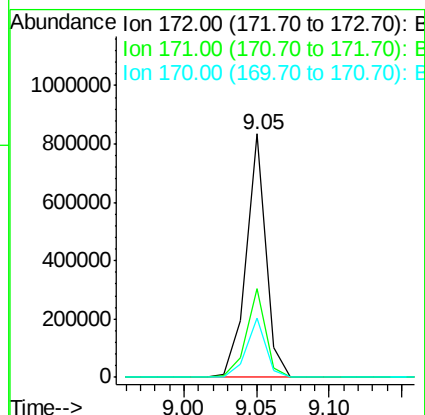
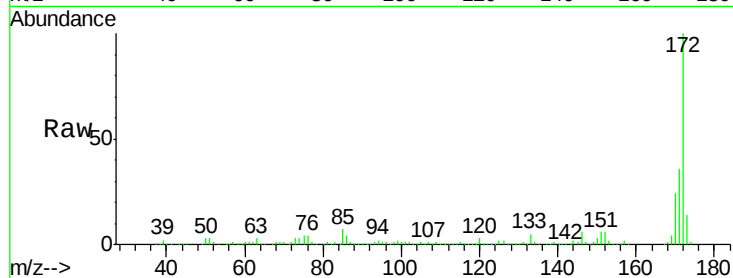




#44
 2-Fluorobiphenyl
 Concen: 93.87 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088160.D
 Acq: 19 Jun 2016 4:16

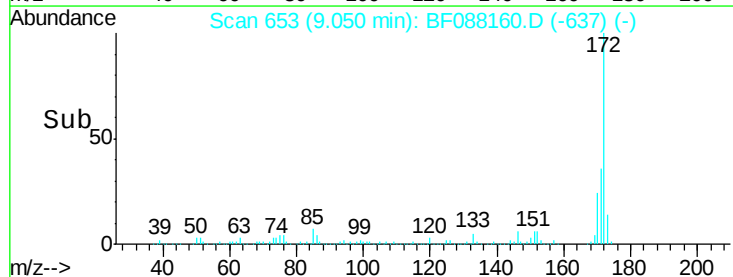
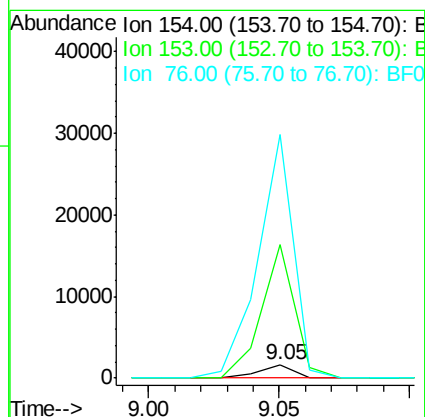
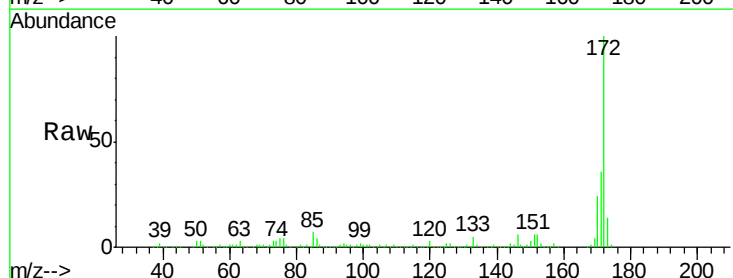
Instrument :
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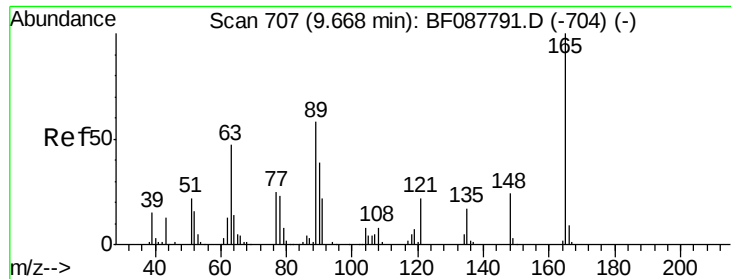
Tgt Ion:172 Resp: 786643
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.6 43.0
 170 24.3 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.05 min Scan# 653
 Delta R.T. -0.11 min
 Lab File: BF088160.D
 Acq: 19 Jun 2016 4:16

Tgt Ion:154 Resp: 1459
 Ion Ratio Lower Upper
 154 100
 153 982.3 20.6 60.6#
 76 1789.9 0.0 35.1#

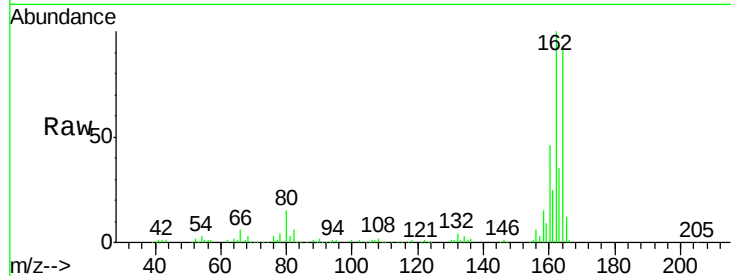




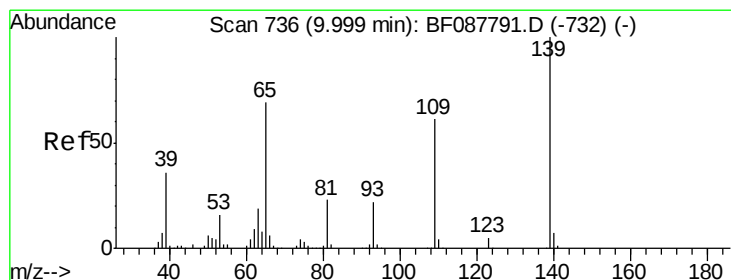
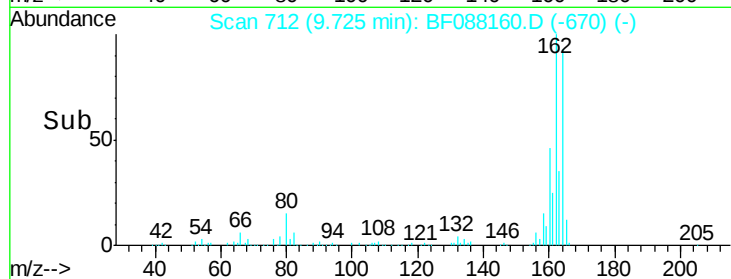
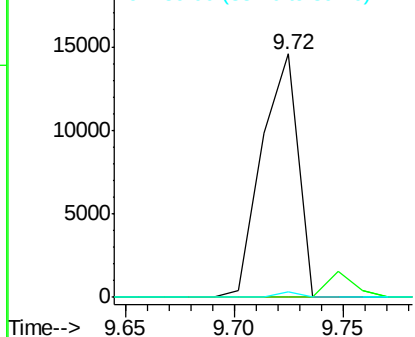
#50
 2,6-Dinitrotoluene
 Concen: 7.73 ng
 RT: 9.72 min Scan# 712
 Delta R.T. 0.18 min
 Lab File: BF088160.D
 Acq: 19 Jun 2016 4:16

Instrument :
 BNA_F
 ClientSampleId :
 W-26

Tgt Ion:165 Resp: 16976
 Ion Ratio Lower Upper
 165 100
 63 0.0 28.1 42.1#
 89 2.2 32.2 48.2#

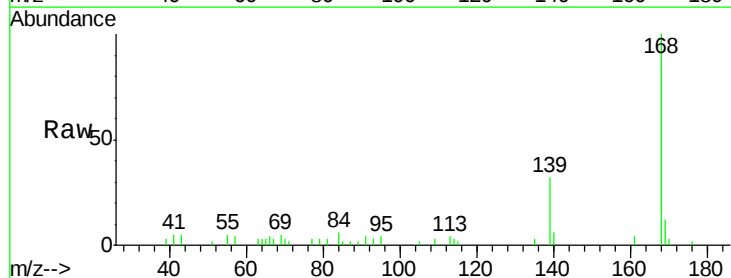


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

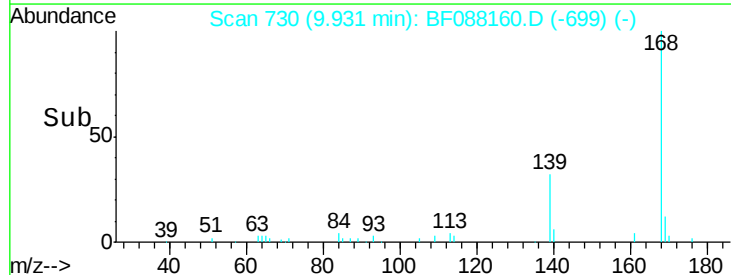
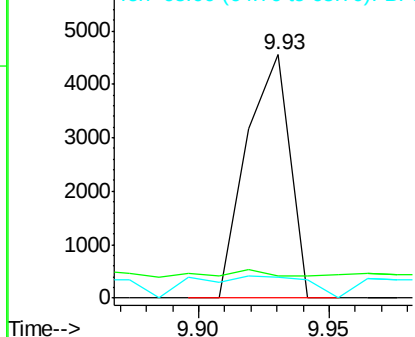


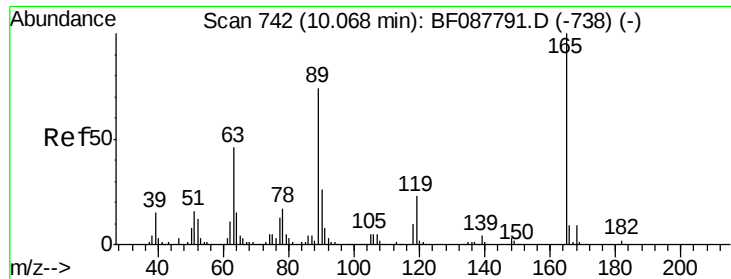
#55
 4-Nitrophenol
 Concen: 2.69 ng
 RT: 9.93 min Scan# 730
 Delta R.T. 0.06 min
 Lab File: BF088160.D
 Acq: 19 Jun 2016 4:16

Tgt Ion:139 Resp: 5294
 Ion Ratio Lower Upper
 139 100
 109 9.3 48.9 88.9#
 65 8.6 84.9 124.9#



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

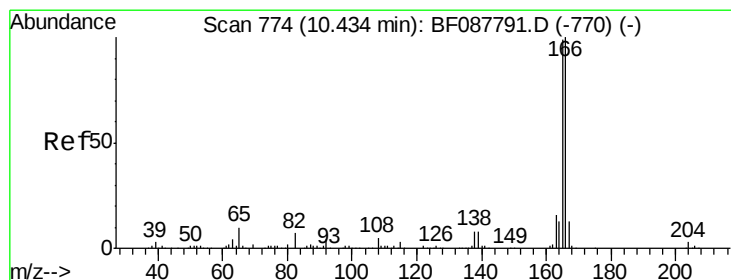
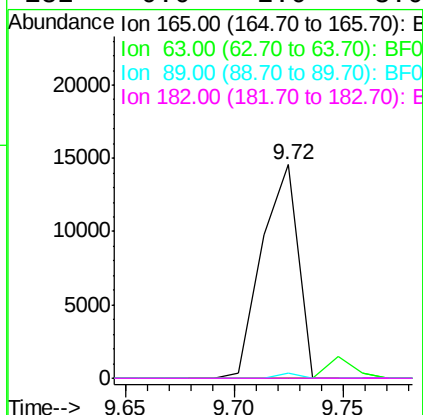
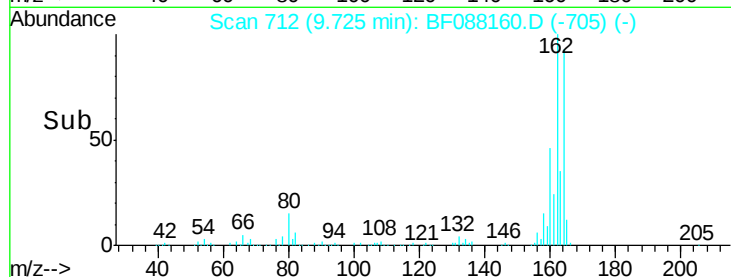
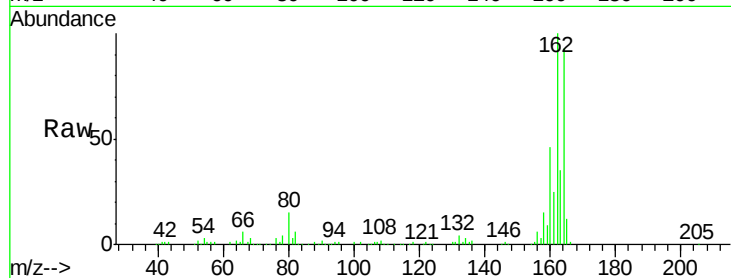




#56
2,4-Dinitrotoluene
Concen: 6.01 ng
RT: 9.72 min Scan# 712
Delta R.T. -0.22 min
Lab File: BF088160.D
Acq: 19 Jun 2016 4:16

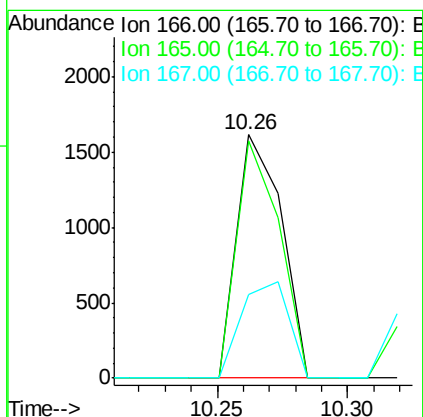
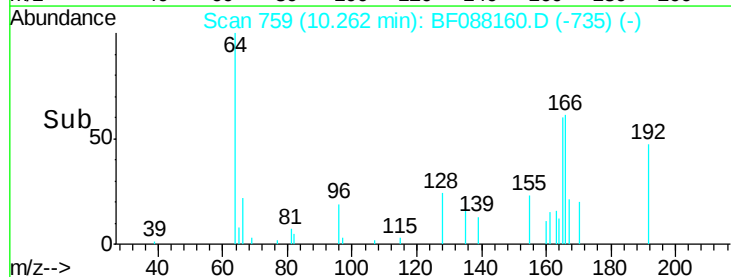
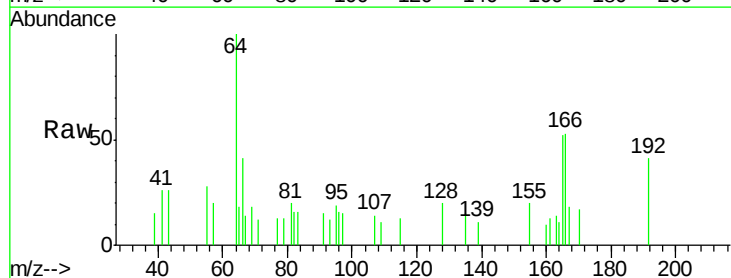
Instrument :
BNA_F
ClientSampleId :
W-26

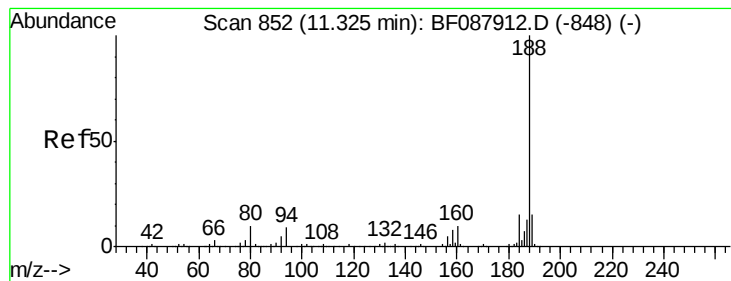
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	2.2	41.1	61.7#
182	0.0	2.0	3.0#



#57
Fluorene
Concen: Below Cal
RT: 10.26 min Scan# 759
Delta R.T. -0.02 min
Lab File: BF088160.D
Acq: 19 Jun 2016 4:16

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.3	77.8	116.8
167	34.2	11.2	16.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.20 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF088160.D

Acq: 19 Jun 2016 4:16

Instrument :

BNA_F

ClientSampleId :

W-26

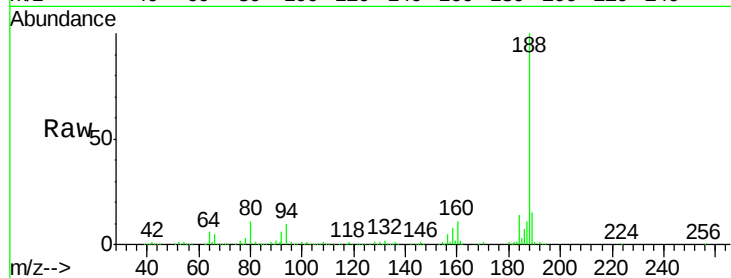
Tgt Ion:188 Resp: 214946

Ion Ratio Lower Upper

188 100

94 10.3 9.0 13.6

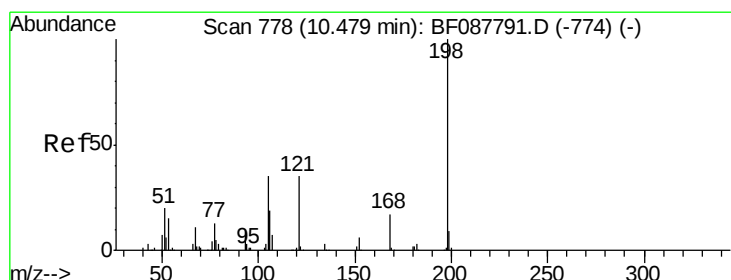
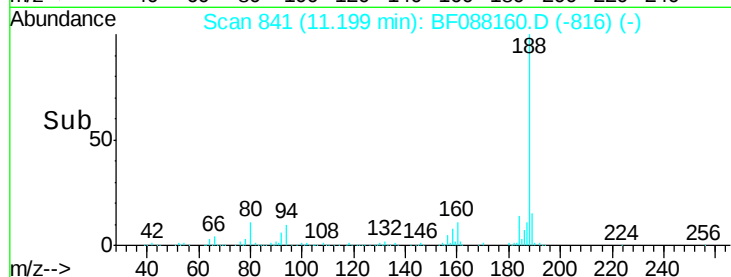
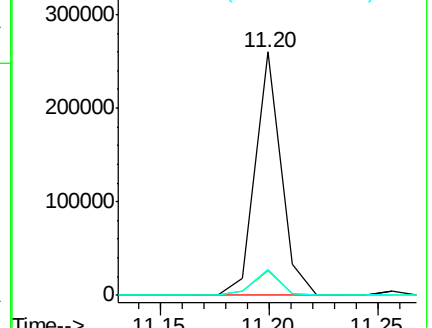
80 10.6 10.0 15.0



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: 2.34 ng

RT: 10.51 min Scan# 781

Delta R.T. 0.16 min

Lab File: BF088160.D

Acq: 19 Jun 2016 4:16

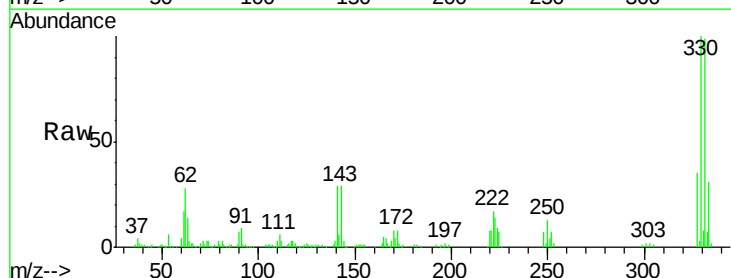
Tgt Ion:198 Resp: 247

Ion Ratio Lower Upper

198 100

51 211.9 39.6 79.6#

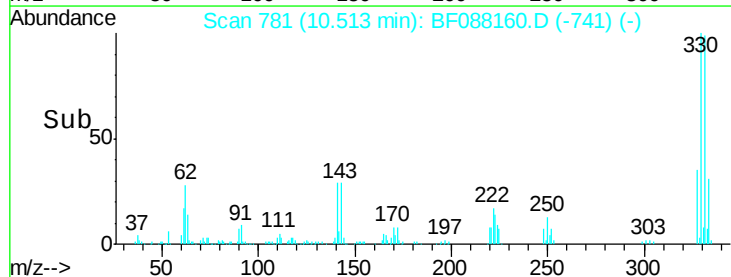
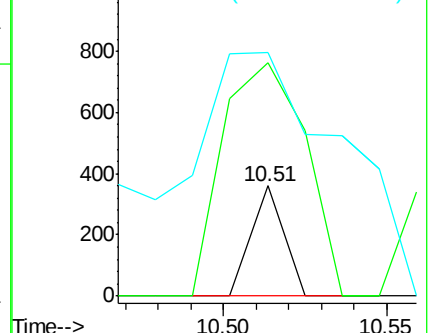
105 221.1 36.6 76.6#

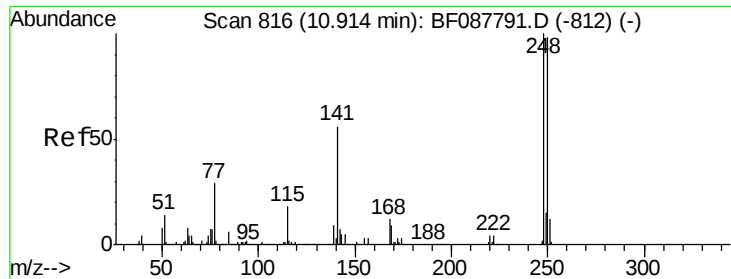


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

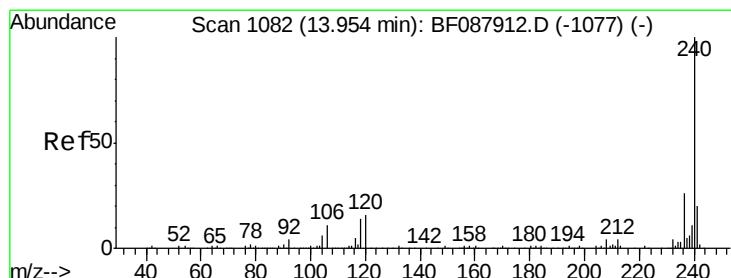
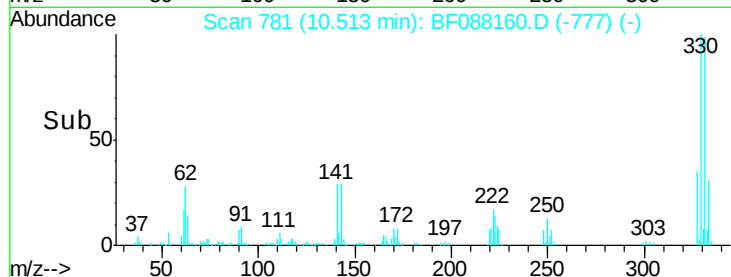
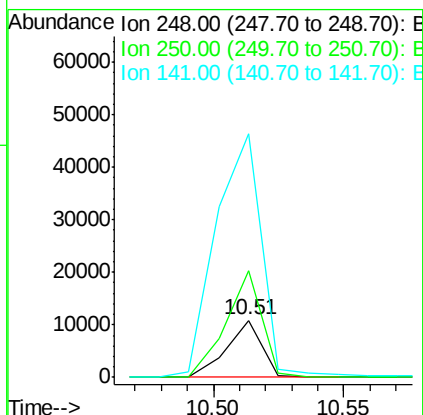
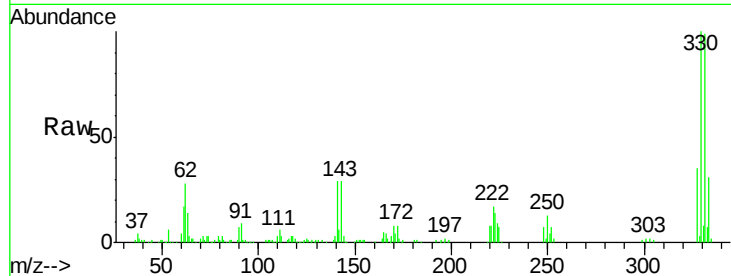




#66
 4-Bromophenyl-phenylether
 Concen: 4.50 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.25 min
 Lab File: BF088160.D
 Acq: 19 Jun 2016 4:16

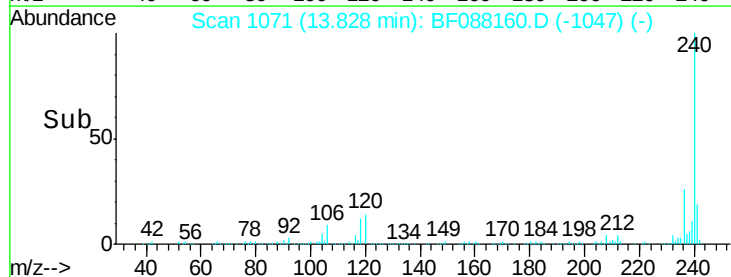
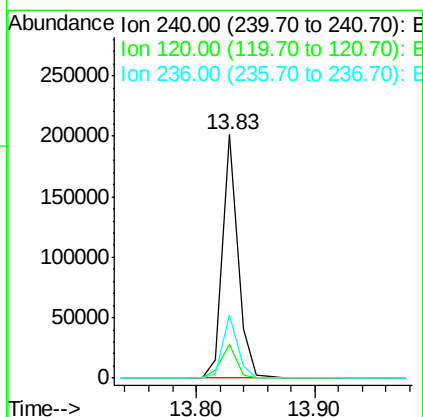
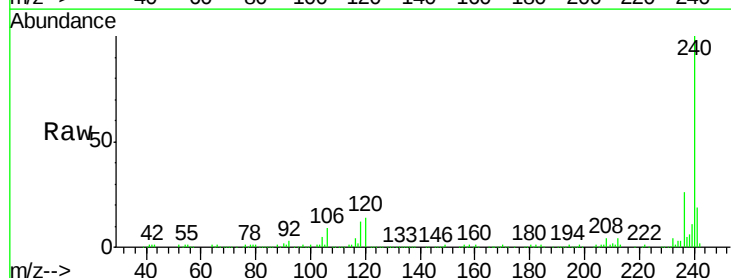
Instrument :
 BNA_F
 ClientSampleId :
 W-26

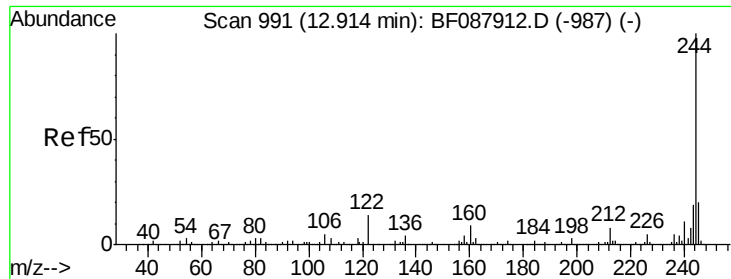
Tgt Ion:248 Resp: 10369
 Ion Ratio Lower Upper
 248 100
 250 187.2 77.1 115.7#
 141 425.3 50.6 76.0#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.83 min Scan# 1071
 Delta R.T. -0.02 min
 Lab File: BF088160.D
 Acq: 19 Jun 2016 4:16

Tgt Ion:240 Resp: 179528
 Ion Ratio Lower Upper
 240 100
 120 13.7 6.8 10.2#
 236 25.7 20.2 30.2

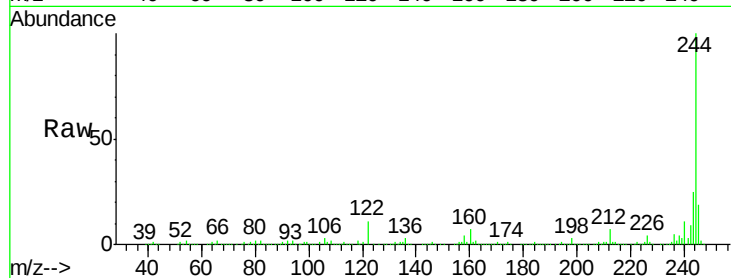




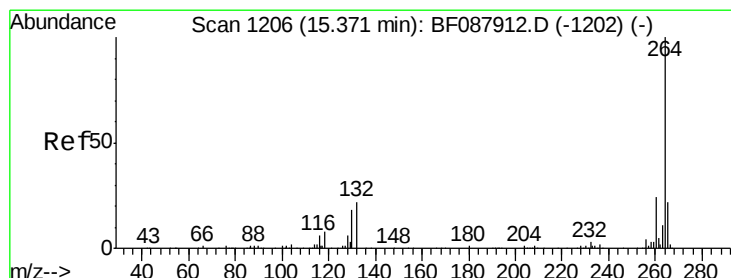
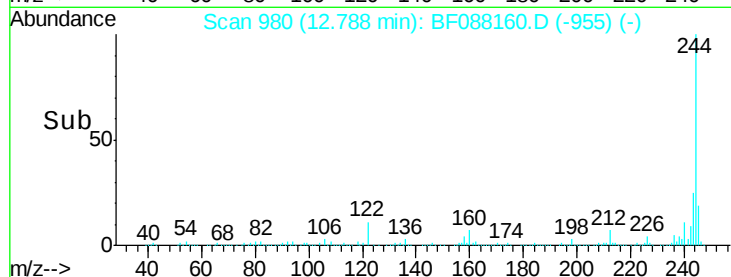
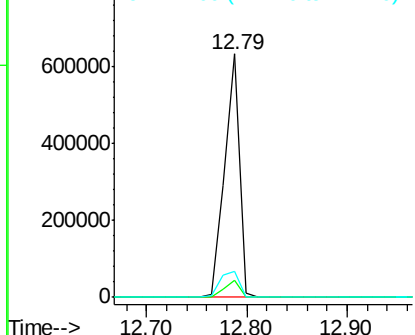
#78
 Terphenyl-d14
 Concen: 82.44 ng
 RT: 12.79 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: BF088160.D
 Acq: 19 Jun 2016 4:16

Instrument :
 BNA_F
 ClientSampleId :
 W-26

Tgt Ion:244 Resp: 650416
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 10.8 11.2 16.8#

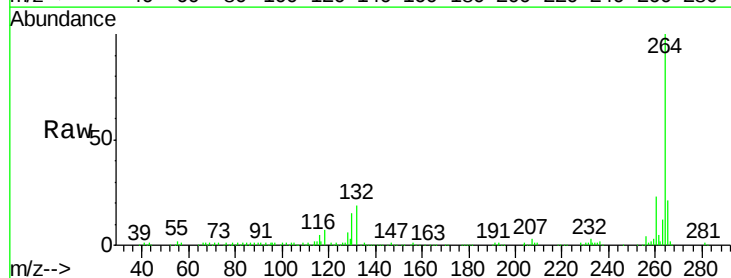


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.21 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF088160.D
 Acq: 19 Jun 2016 4:16

Tgt Ion:264 Resp: 140083
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.2 28.8
 265 20.7 16.9 25.3



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

