

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
 Data File : BF084259.D
 Acq On : 5 Jan 2016 2:17
 Operator : UM/SJ
 Sample : G4990-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-31

Quant Time: Jan 05 03:44:35 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

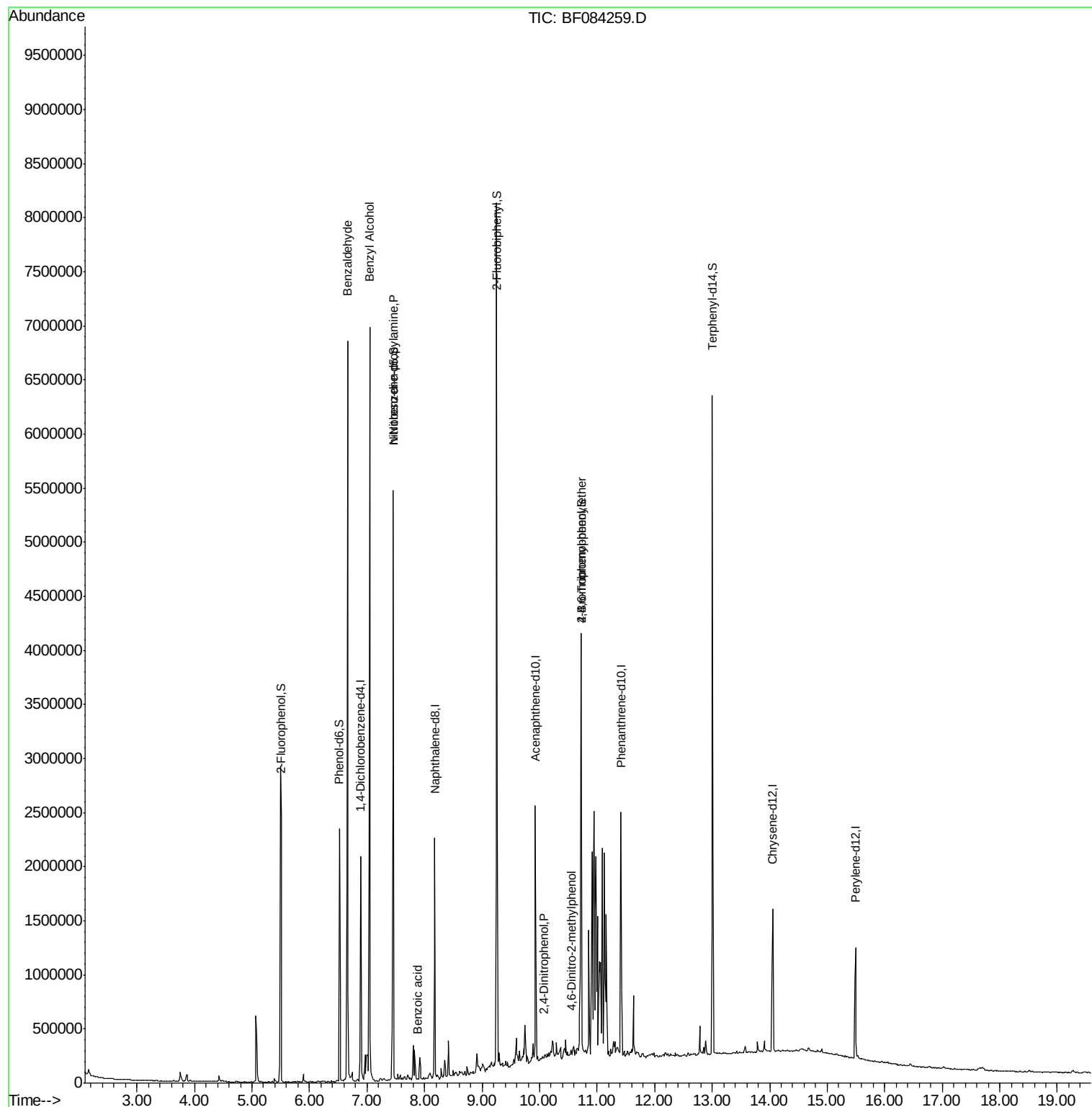
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	268529	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1110213	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	483906	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	788600	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	561326	20.00	ng	-0.01
86) Perylene-d12	15.49	264	535850	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1091678	65.76	ng	0.01
7) Phenol-d6	6.52	99	769326	36.90	ng	-0.01
23) Nitrobenzene-d5	7.46	82	1979407	99.23	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	717832	146.93	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	2715704	99.83	ng	-0.01
78) Terphenyl-d14	13.00	244	1999986	79.53	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.66	77	43578	3.21	ng	# 72
15) Benzyl Alcohol	7.05	79	35139	2.00	ng	# 43
19) n-Nitroso-di-n-propylamine	7.46	70	289349	20.50	ng	# 72
32) Benzoic acid	7.88	122	523	6.29	ng	# 1
53) 2,4-Dinitrophenol	10.08	184	218	3.62	ng	# 1
54) Dibenzofuran	10.13	168	2165	Below Cal	#	13
57) Fluorene	10.48	166	1935	Below Cal	#	42
60) 4-Chlorophenyl-phenylether	10.45	204	1629	Below Cal	#	40
64) 4,6-Dinitro-2-methylphenol	10.56	198	337	6.48	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	44444	5.24	ng	# 1
73) Di-n-butylphthalate	11.99	149	20049	Below Cal	#	90

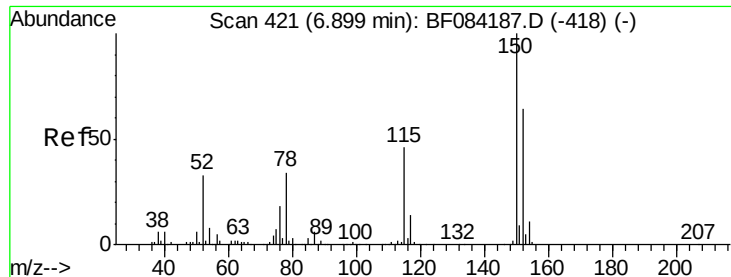
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF084259.D

Acq: 5 Jan 2016 2:17

Instrument :

BNA_F

ClientSampleId :

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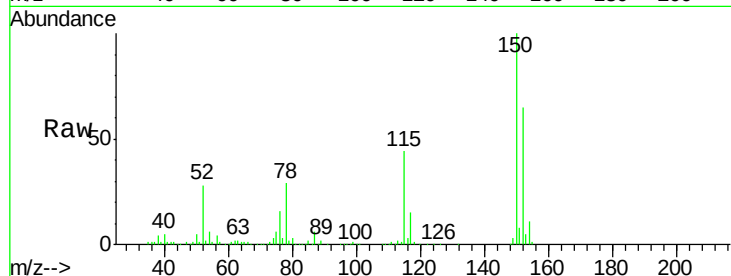
Tgt Ion:152 Resp: 268529

Ion Ratio Lower Upper

152 100

150 153.7 123.0 184.4

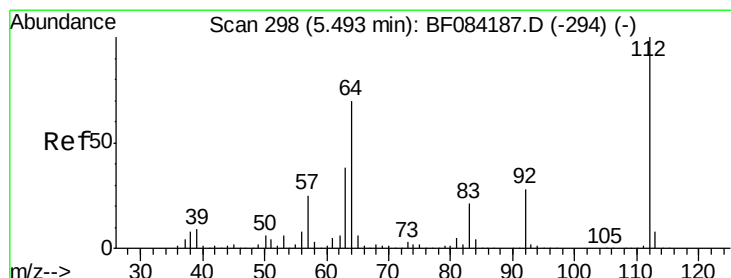
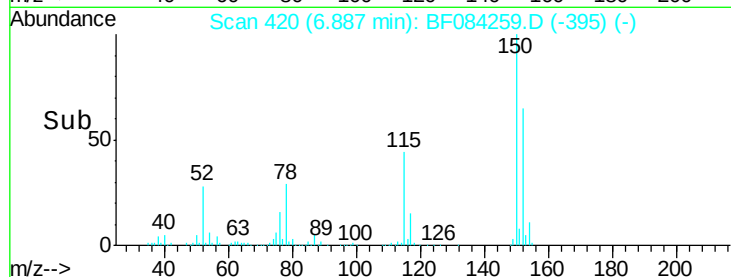
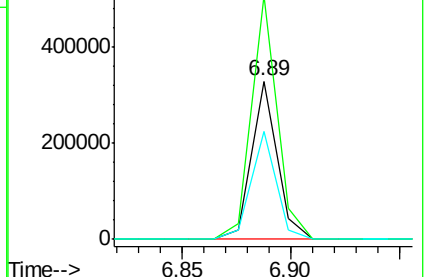
115 67.9 51.4 77.2



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: 65.76 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084259.D

Acq: 5 Jan 2016 2:17

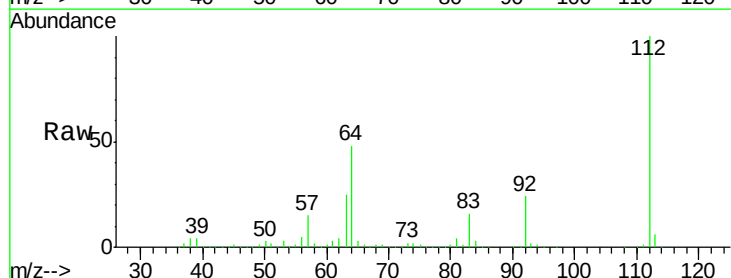
Tgt Ion:112 Resp: 1091678

Ion Ratio Lower Upper

112 100

64 48.4 36.6 55.0

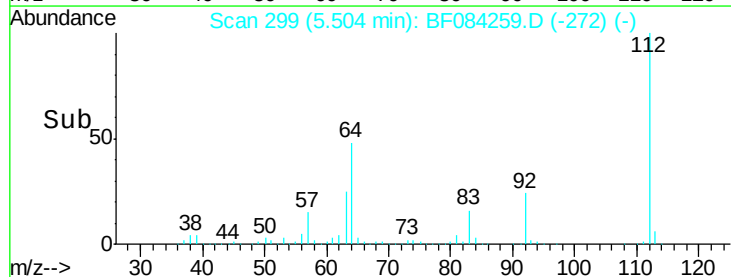
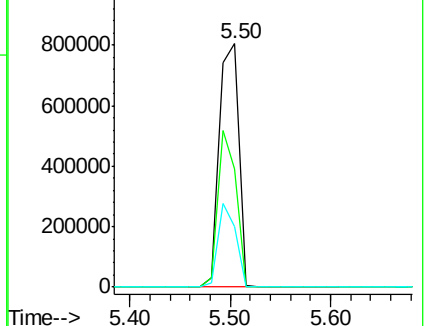
63 24.8 19.4 29.0

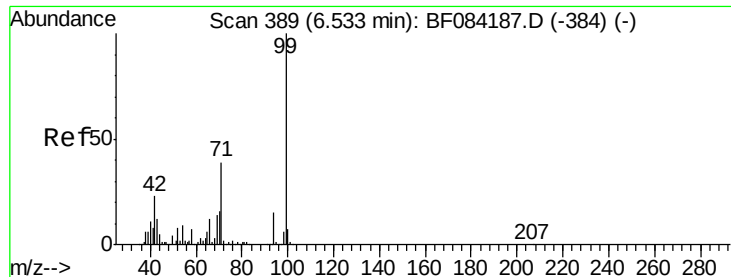


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.90 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF084259.D

Acq: 5 Jan 2016 2:17

Instrument :

BNA_F

ClientSampled :

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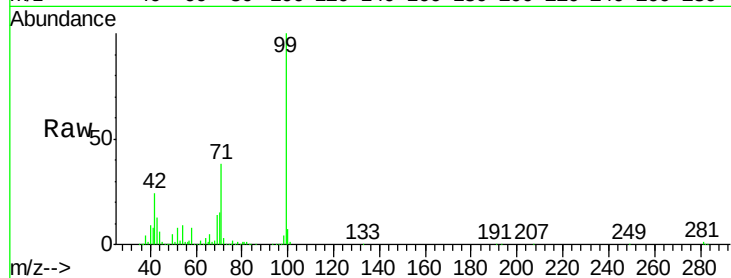
Tgt Ion: 99 Resp: 769326

Ion Ratio Lower Upper

99 100

42 23.7 12.8 19.2#

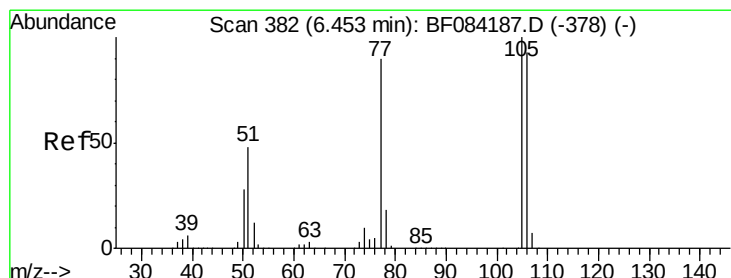
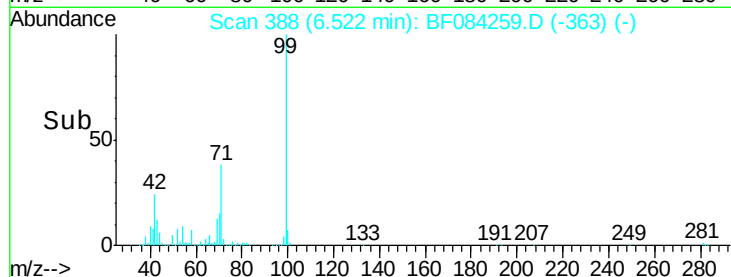
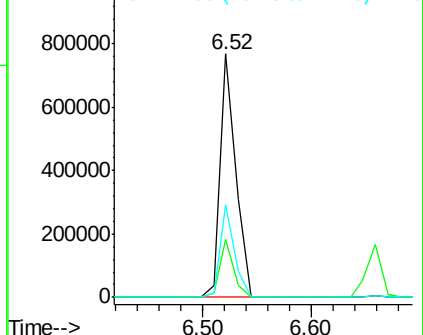
71 38.0 30.9 46.3



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: 3.21 ng

RT: 6.66 min Scan# 400

Delta R.T. 0.21 min

Lab File: BF084259.D

Acq: 5 Jan 2016 2:17

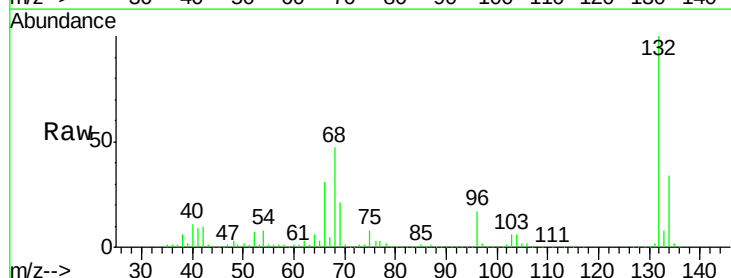
Tgt Ion: 77 Resp: 43578

Ion Ratio Lower Upper

77 100

105 76.8 83.0 123.0#

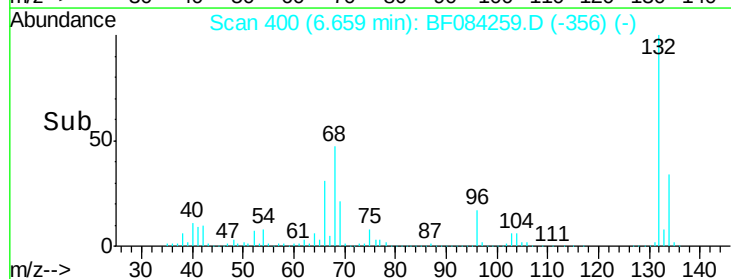
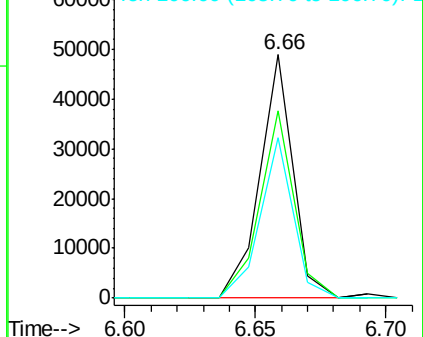
106 65.8 74.6 114.6#

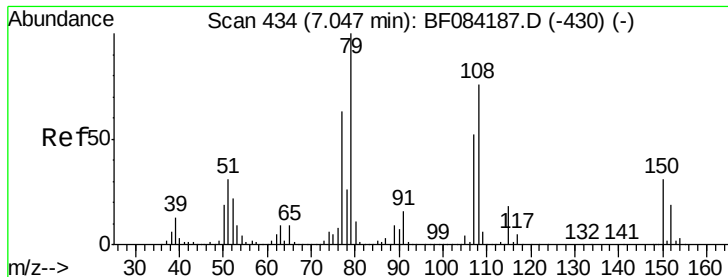


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.00 ng

RT: 7.05 min Scan# 434

Delta R.T. 0.00 min

Lab File: BF084259.D

Acq: 5 Jan 2016 2:17

Instrument :

BNA_F

ClientSampled :

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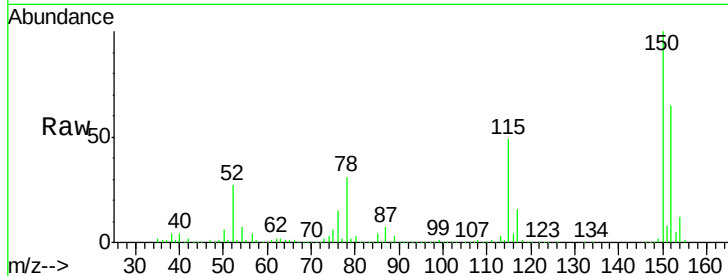
Tgt Ion: 79 Resp: 35139

Ion Ratio Lower Upper

79 100

108 26.6 69.0 103.4#

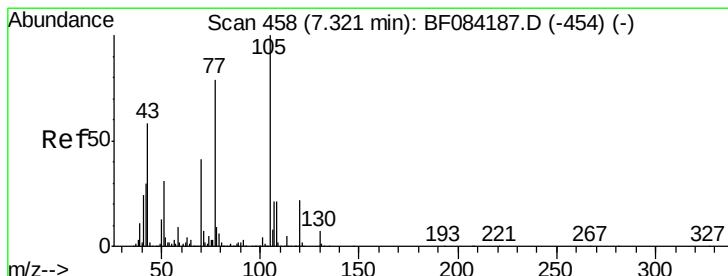
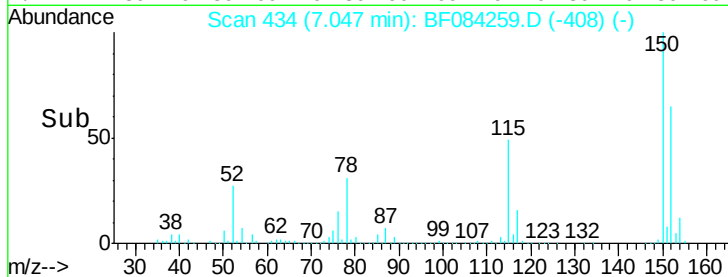
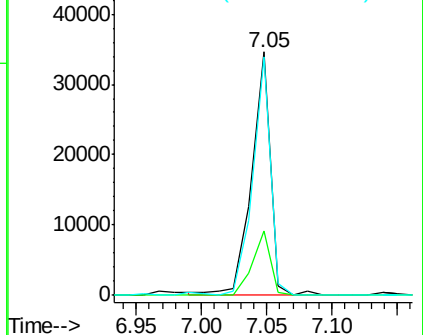
77 97.9 50.0 75.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 20.50 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.14 min

Lab File: BF084259.D

Acq: 5 Jan 2016 2:17

Tgt Ion: 70 Resp: 289349

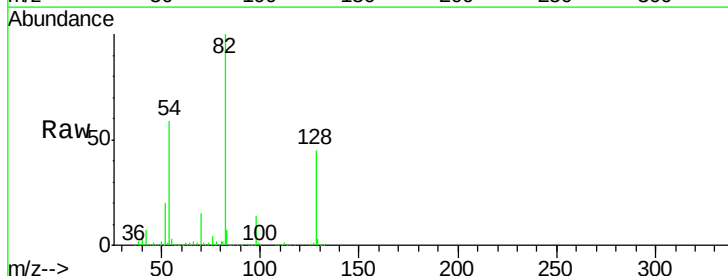
Ion Ratio Lower Upper

70 100

42 49.1 33.3 49.9

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#

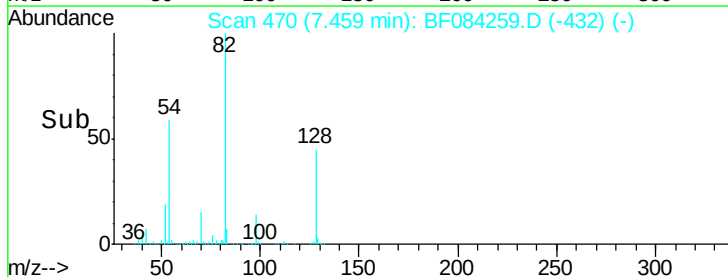
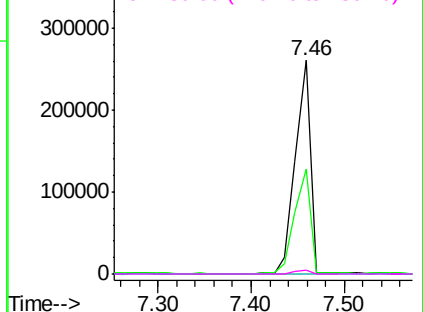


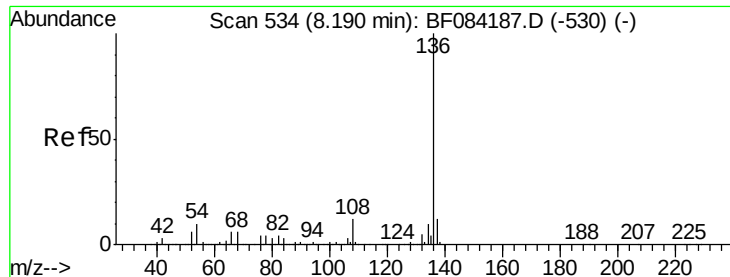
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

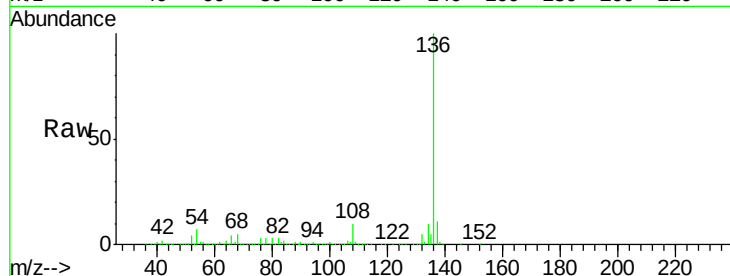




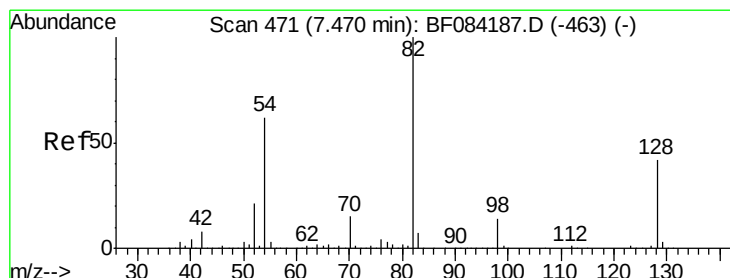
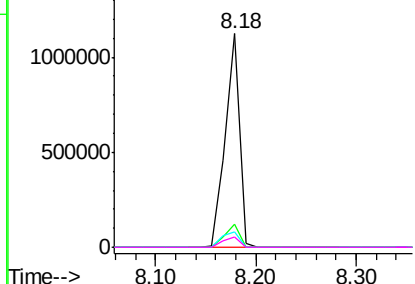
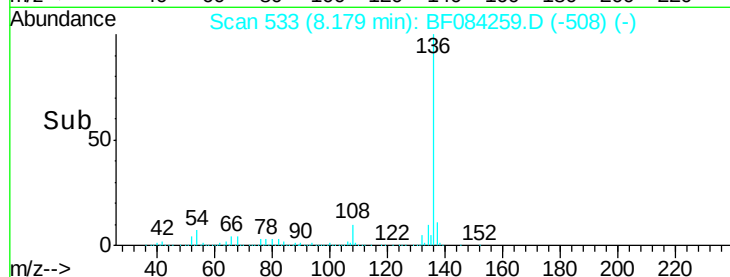
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF084259.D
Acq: 5 Jan 2016 2:17

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:136 Resp: 1110213
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 7.5 5.8 8.8
68 4.5 4.2 6.2

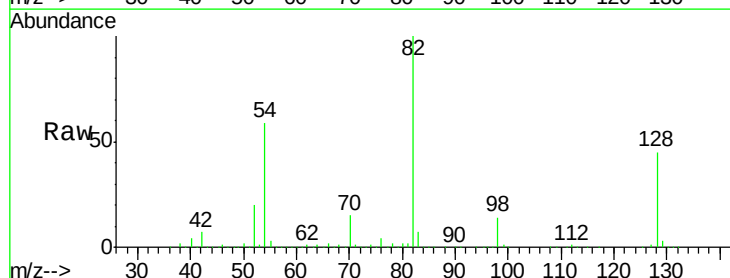


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

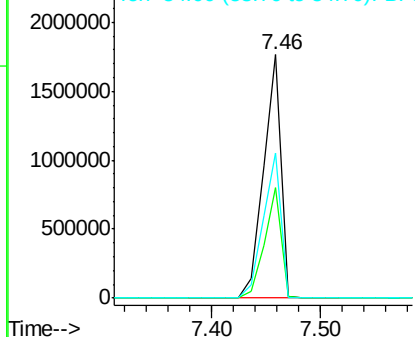
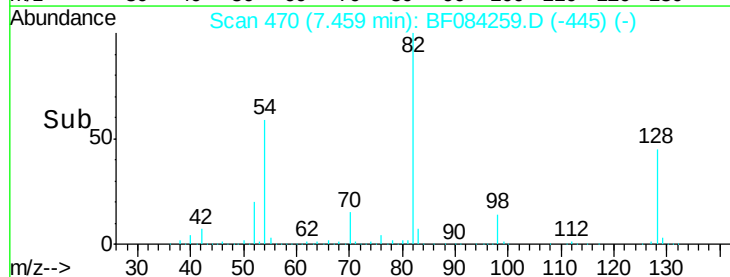


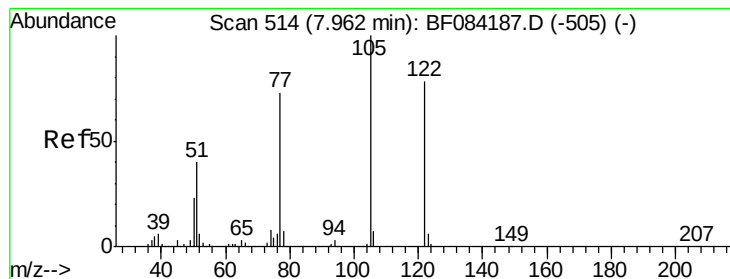
#23
Nitrobenzene-d5
Concen: 99.23 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.01 min
Lab File: BF084259.D
Acq: 5 Jan 2016 2:17

Tgt Ion: 82 Resp: 1979407
Ion Ratio Lower Upper
82 100
128 45.1 34.6 51.8
54 59.4 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





#32

Benzoic acid

Concen: 6.29 ng

RT: 7.88 min Scan# 507

Delta R.T. -0.08 min

Lab File: BF084259.D

Acq: 5 Jan 2016 2:17

Instrument :

BNA_F

ClientSampleId :

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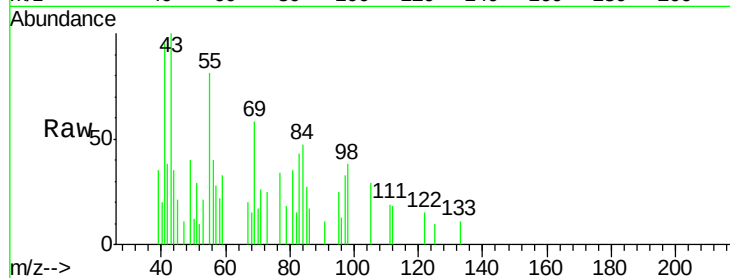
Tgt Ion:122 Resp: 523

Ion Ratio Lower Upper

122 100

105 195.2 100.3 140.3#

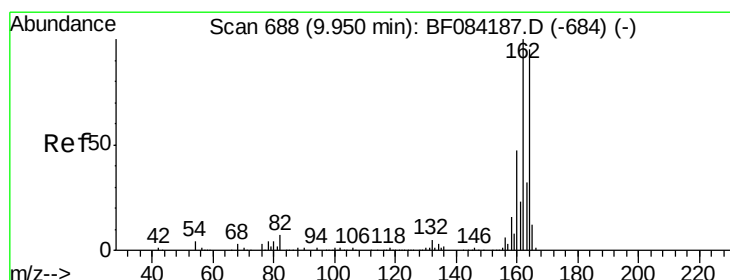
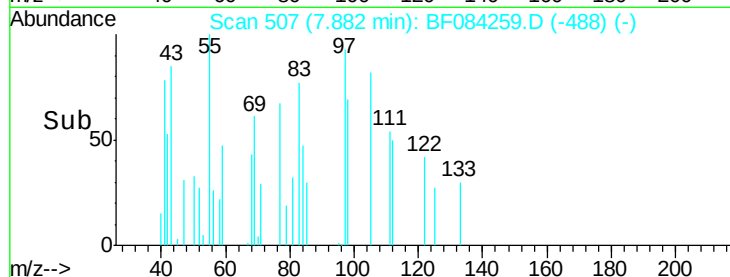
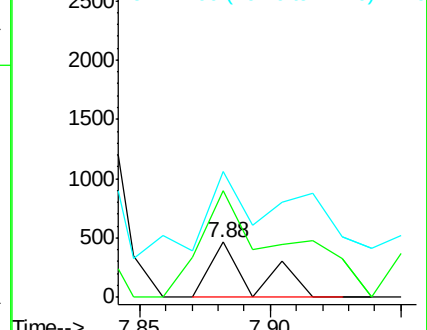
77 228.5 63.5 103.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.02 min

Lab File: BF084259.D

Acq: 5 Jan 2016 2:17

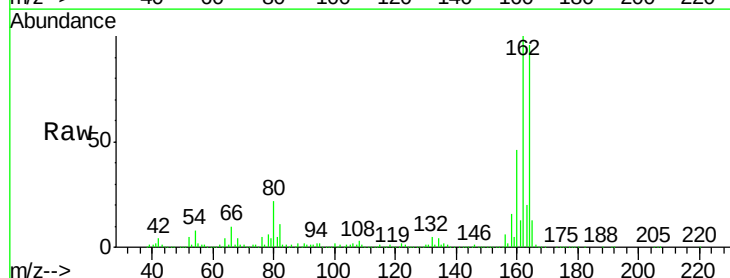
Tgt Ion:164 Resp: 483906

Ion Ratio Lower Upper

164 100

162 104.6 85.1 127.7

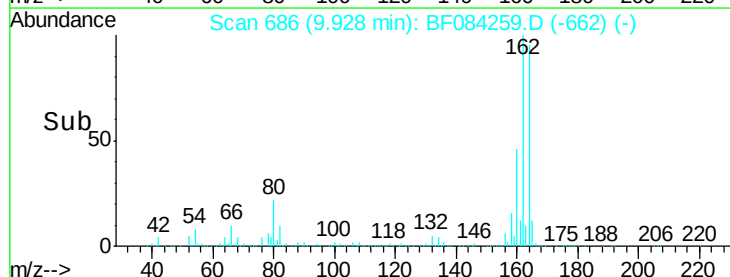
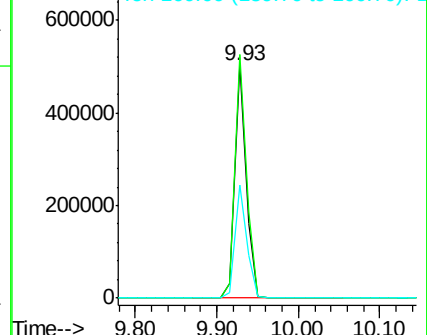
160 48.5 37.5 56.3

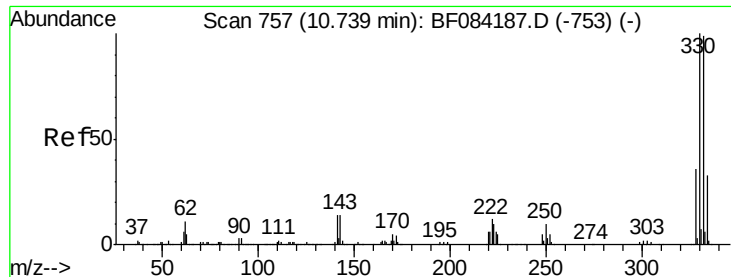


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

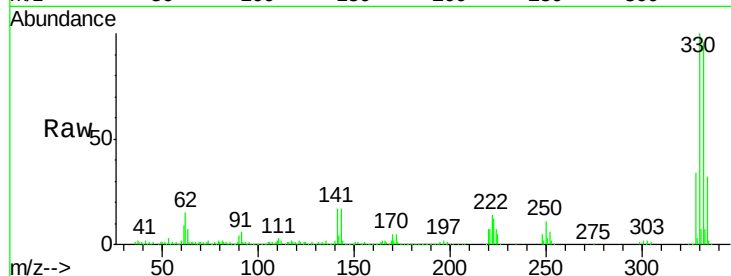




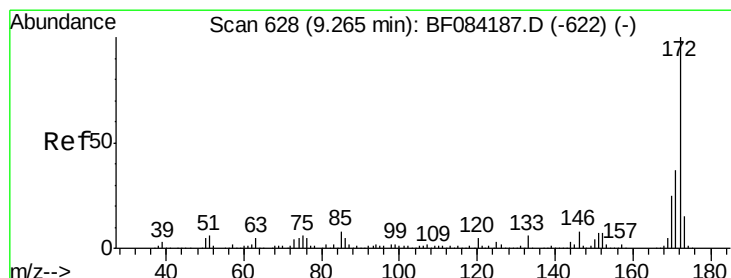
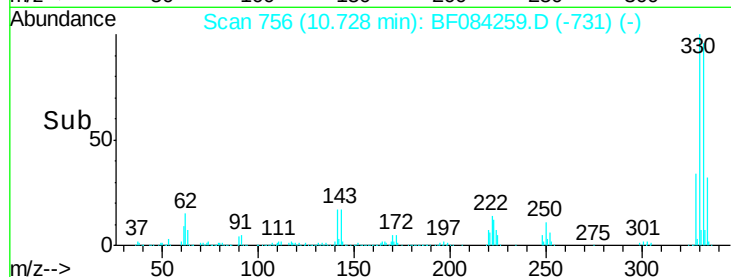
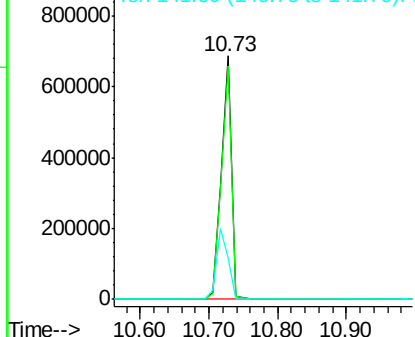
#41
 2,4,6-Tribromophenol
 Concen: 146.93 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF084259.D
 Acq: 5 Jan 2016 2:17

Instrument :
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 ClientSampleId :
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Tgt Ion:330 Resp: 717832
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 114.8
 141 33.2 27.8 41.6

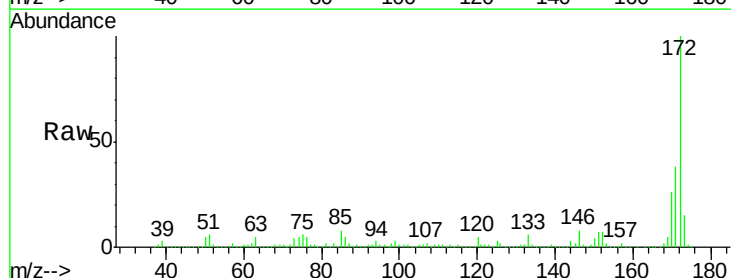


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

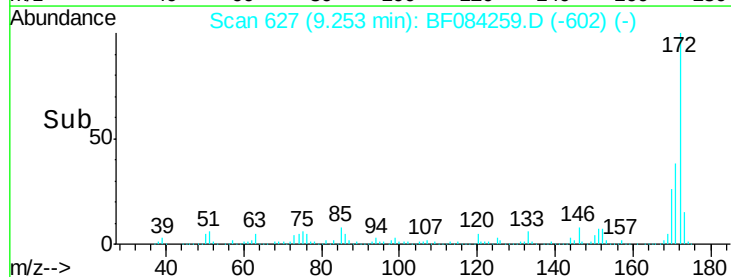
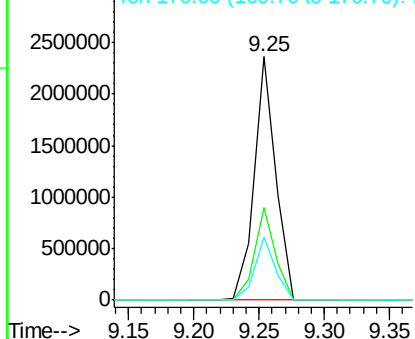


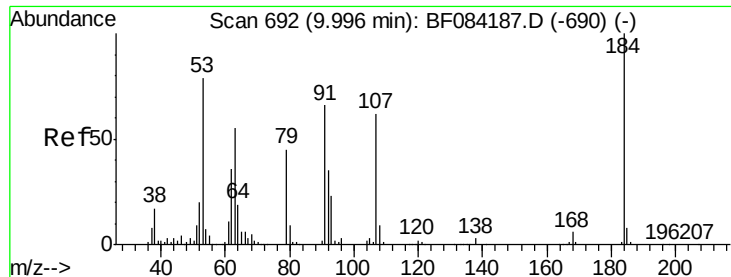
#44
 2-Fluorobiphenyl
 Concen: 99.83 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF084259.D
 Acq: 5 Jan 2016 2:17

Tgt Ion:172 Resp: 2715704
 Ion Ratio Lower Upper
 172 100
 171 38.2 28.9 43.3
 170 26.0 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

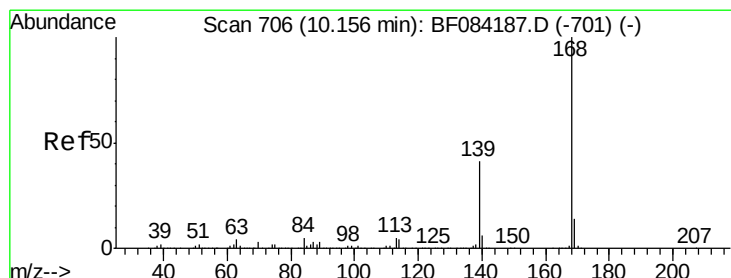
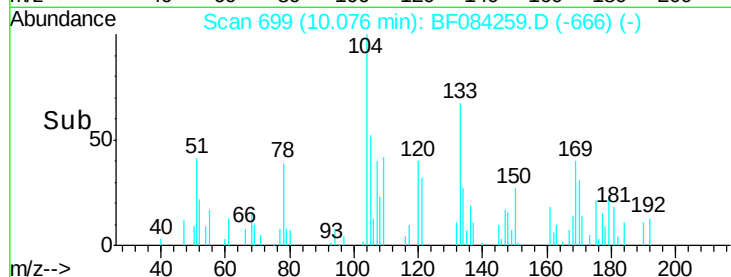
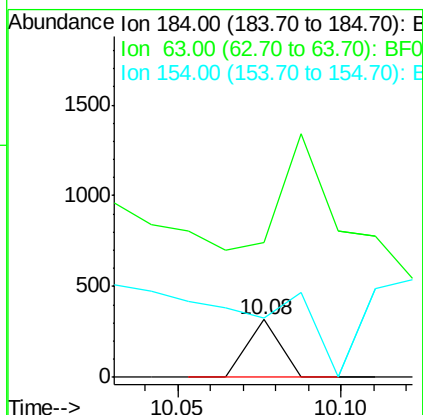
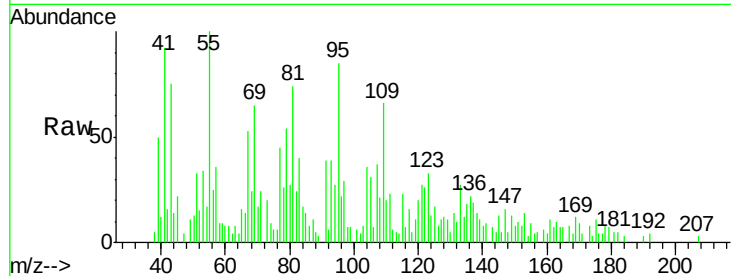




#53
 2,4-Dinitrophenol
 Concen: 3.62 ng
 RT: 10.08 min Scan# 699
 Delta R.T. 0.08 min
 Lab File: BF084259.D
 Acq: 5 Jan 2016 2:17

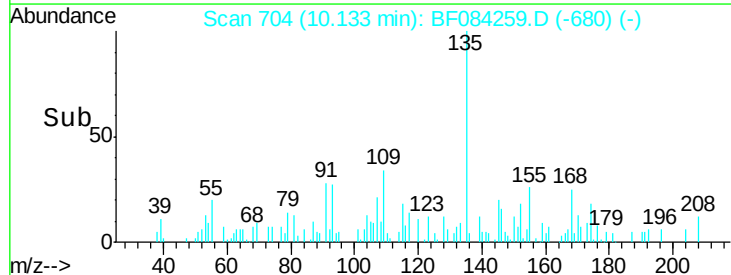
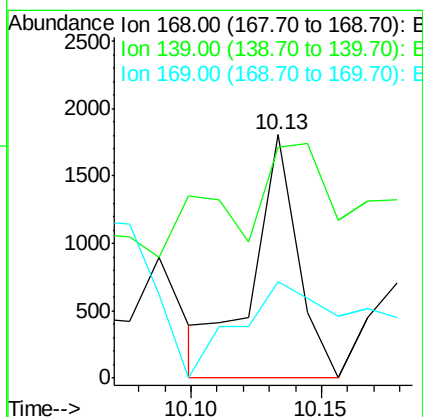
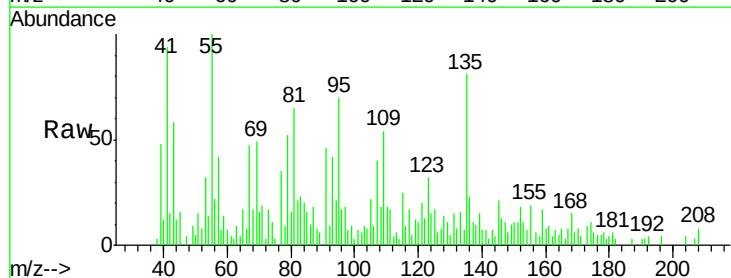
Instrument :
 BNA_F
 ClientSampled :
 W-31

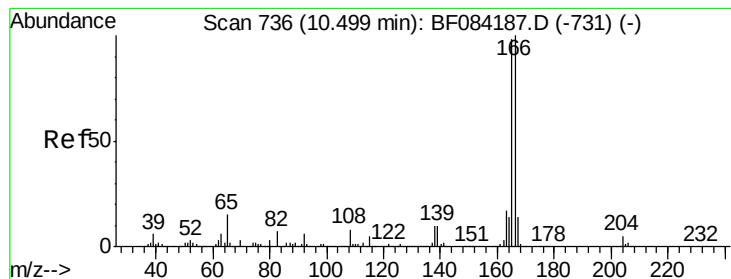
Tgt Ion:184 Resp: 218
 Ion Ratio Lower Upper
 184 100
 63 234.6 43.1 64.7#
 154 102.2 60.5 90.7#



#54
 Dibenzofuran
 Concen: Below Cal
 RT: 10.13 min Scan# 704
 Delta R.T. -0.02 min
 Lab File: BF084259.D
 Acq: 5 Jan 2016 2:17

Tgt Ion:168 Resp: 2165
 Ion Ratio Lower Upper
 168 100
 139 95.0 30.5 45.7#
 169 39.4 10.4 15.6#





#57

Fluorene

Concen: Below Cal

RT: 10.48 min Scan# 734

Delta R.T. -0.02 min

Lab File: BF084259.D

Acq: 5 Jan 2016 2:17

Instrument :

BNA_F

ClientSampleId :

W-31

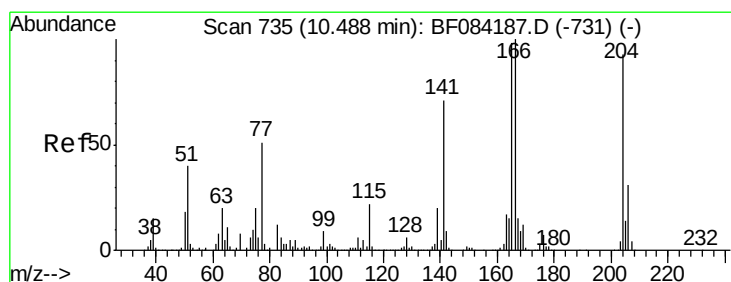
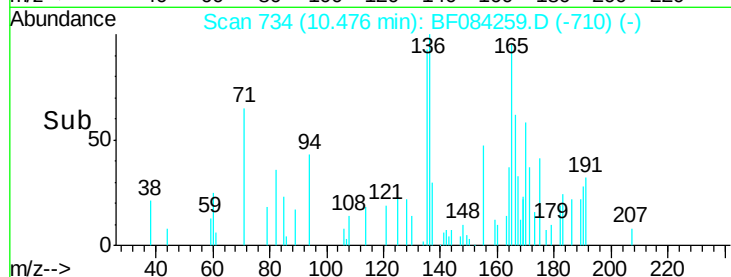
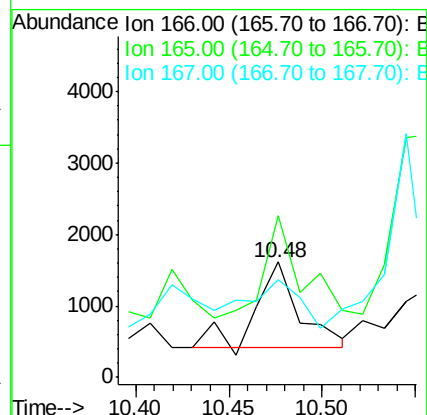
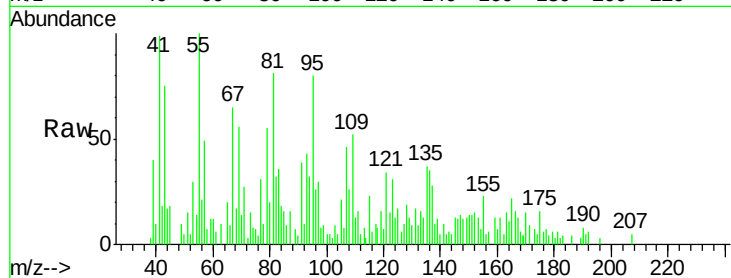
Tgt Ion:166 Resp: 1935

Ion Ratio Lower Upper

166 100

165 140.9 79.1 118.7#

167 84.7 10.4 15.6#



#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.45 min Scan# 732

Delta R.T. -0.03 min

Lab File: BF084259.D

Acq: 5 Jan 2016 2:17

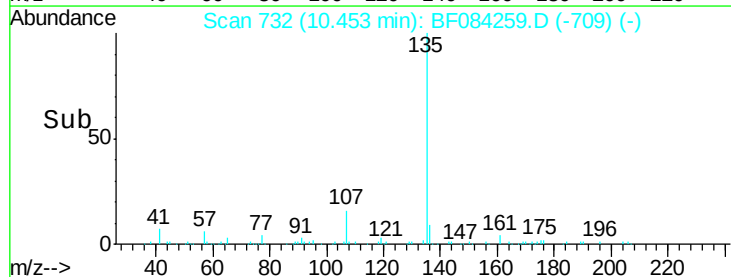
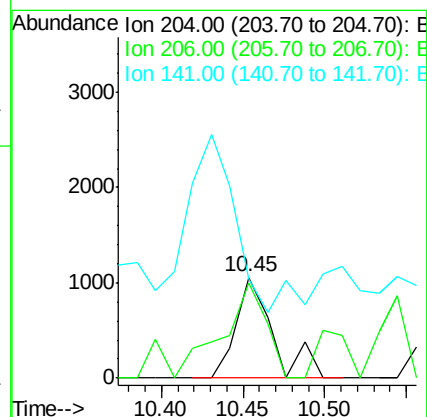
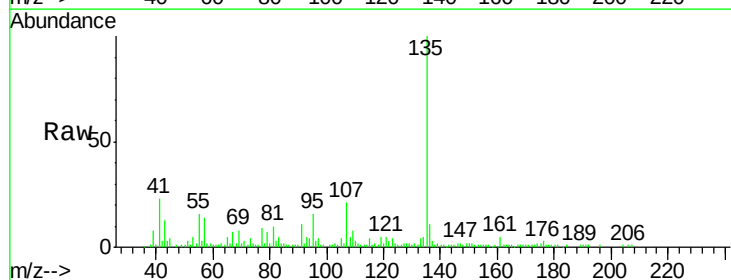
Tgt Ion:204 Resp: 1629

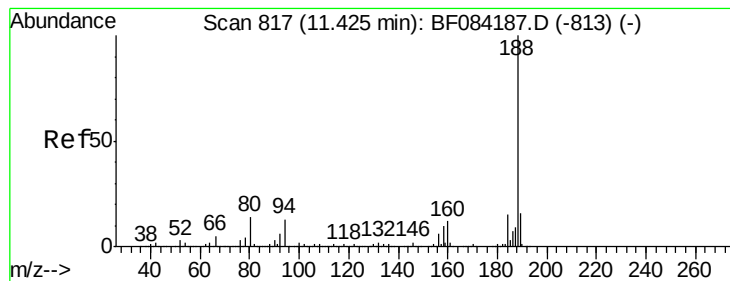
Ion Ratio Lower Upper

204 100

206 94.9 25.7 38.5#

141 98.2 55.1 82.7#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF084259.D

Acq: 5 Jan 2016 2:17

Instrument :

BNA_F

ClientSampled :

W-31

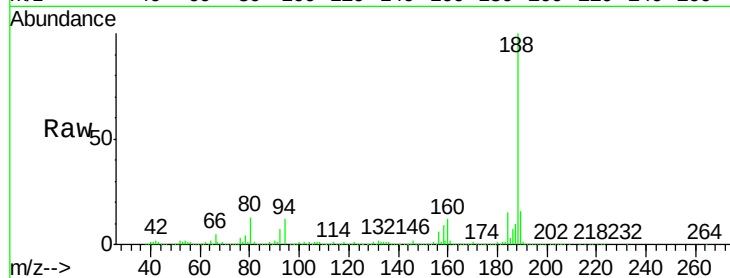
Tgt Ion:188 Resp: 788600

Ion Ratio Lower Upper

188 100

94 11.9 9.0 13.4

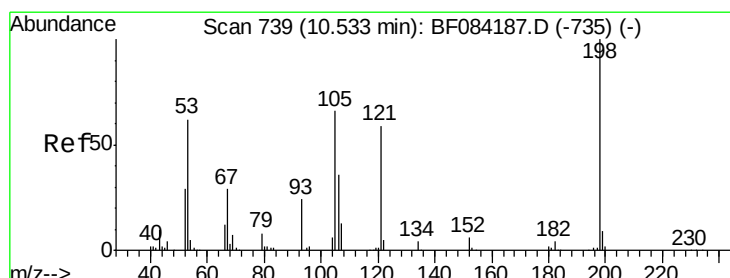
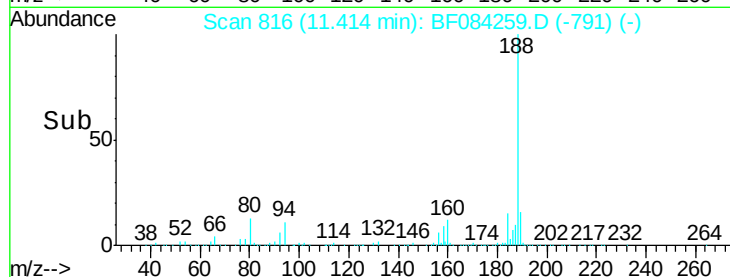
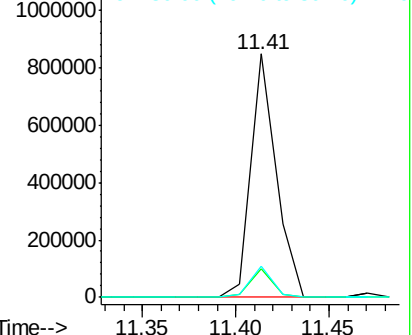
80 12.9 9.6 14.4



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: 6.48 ng

RT: 10.56 min Scan# 741

Delta R.T. 0.02 min

Lab File: BF084259.D

Acq: 5 Jan 2016 2:17

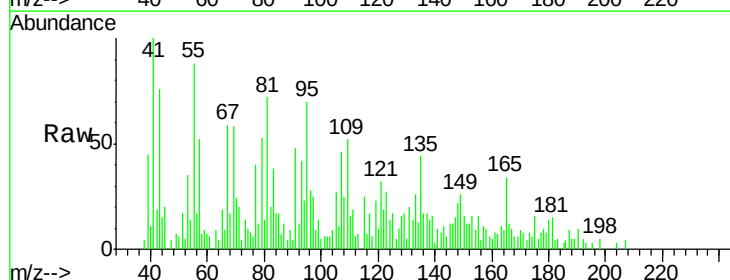
Tgt Ion:198 Resp: 337

Ion Ratio Lower Upper

198 100

51 353.0 18.9 58.9#

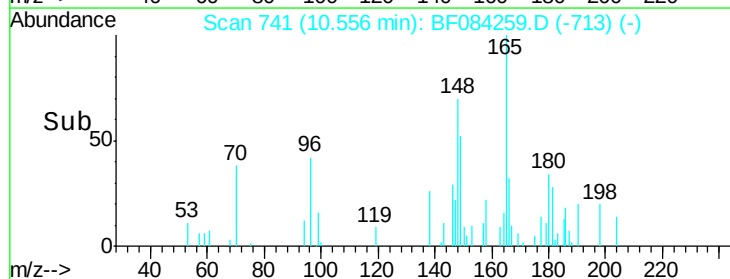
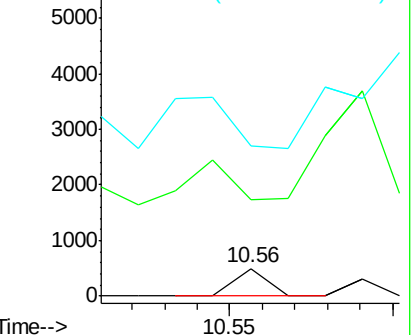
105 548.4 26.4 66.4#

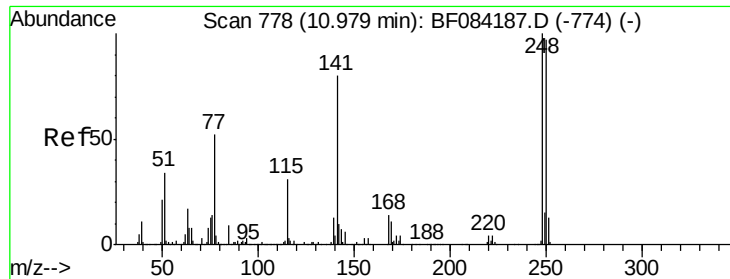


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

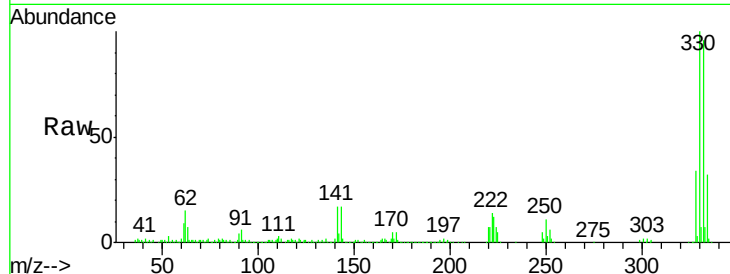




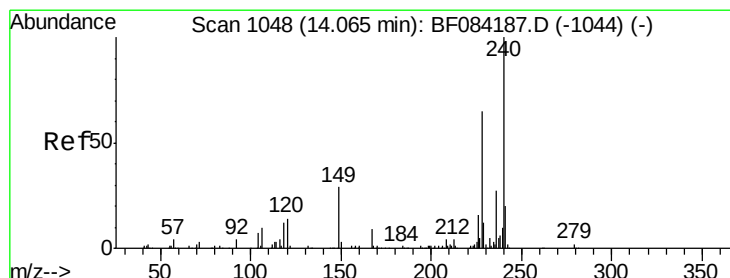
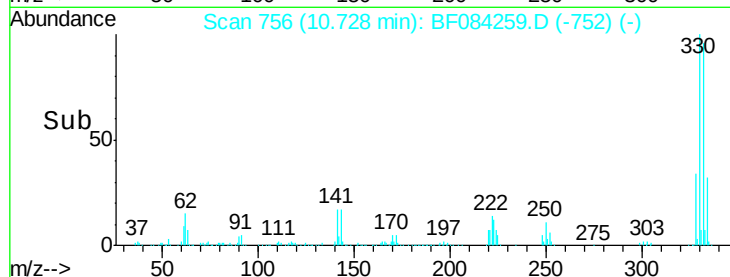
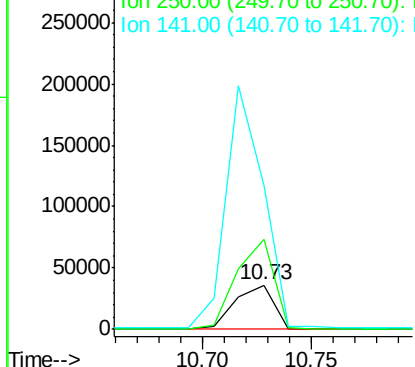
#66
 4-Bromophenyl-phenylether
 Concen: 5.24 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.25 min
 Lab File: BF084259.D
 Acq: 5 Jan 2016 2:17

Instrument :
 BNA_F
 ClientSampled :
 W-31

Tgt Ion:248 Resp: 44444
 Ion Ratio Lower Upper
 248 100
 250 204.4 78.4 117.6#
 141 326.5 44.0 66.0#

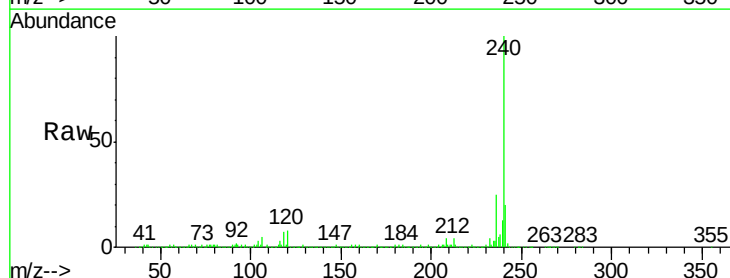


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

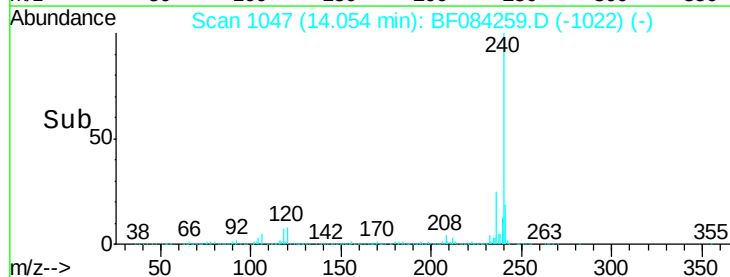
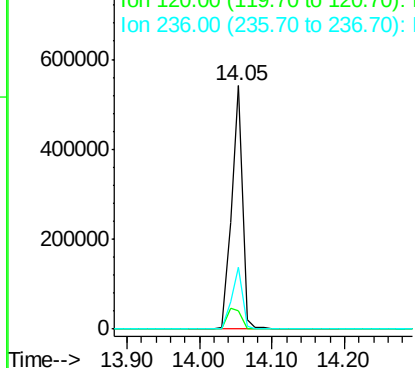


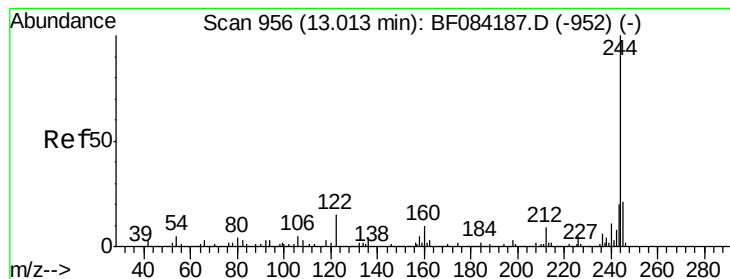
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BF084259.D
 Acq: 5 Jan 2016 2:17

Tgt Ion:240 Resp: 561326
 Ion Ratio Lower Upper
 240 100
 120 7.8 9.5 14.3#
 236 25.3 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: 79.53 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF084259.D

Acq: 5 Jan 2016 2:17

Instrument :

BNA_F

ClientSampleId :

W-31

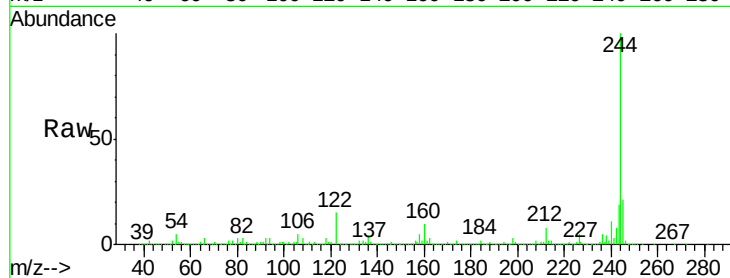
Tgt Ion:244 Resp: 1999986

Ion Ratio Lower Upper

244 100

212 8.1 5.7 8.5

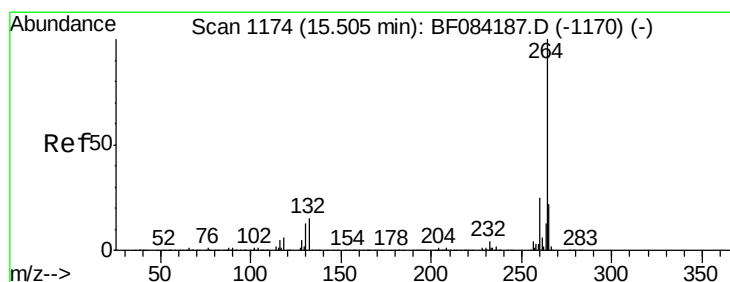
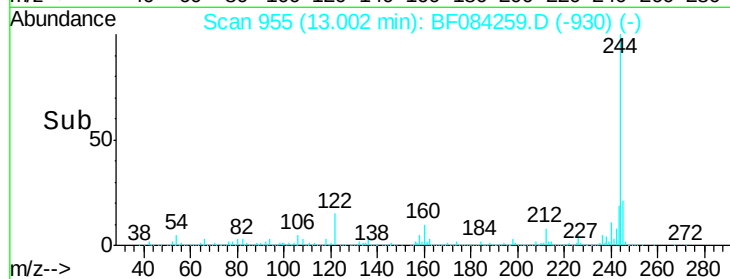
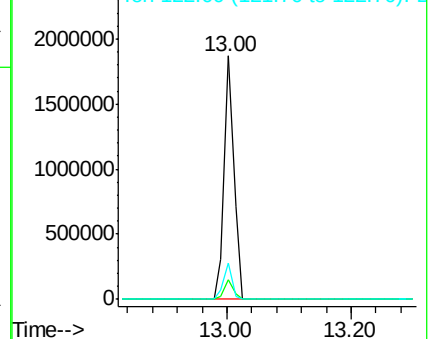
122 14.8 7.4 11.0#



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: 15.49 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF084259.D

Acq: 5 Jan 2016 2:17

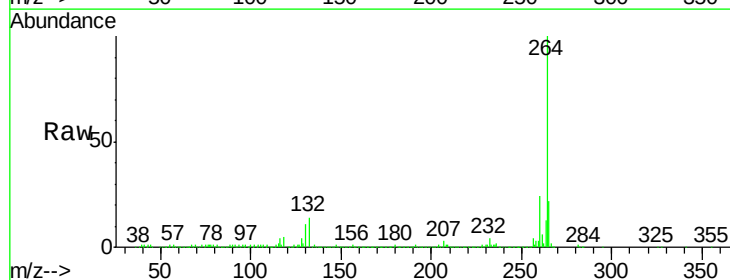
Tgt Ion:264 Resp: 535850

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

265 21.7 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

