

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012016\
 Data File : BF084572.D
 Acq On : 20 Jan 2016 18:45
 Operator : SJ/UM
 Sample : H1159-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SULFURCAKE

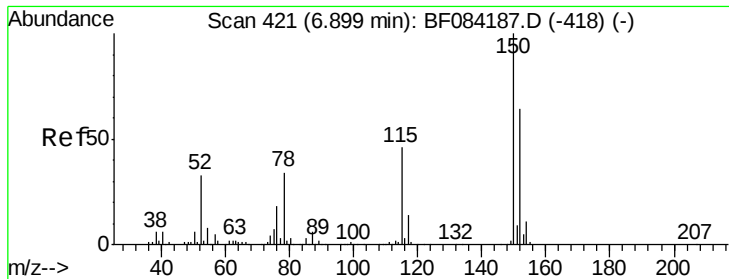
Quant Time: Jan 20 22:09:36 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	218876	20.00	ng	-0.05
21) Naphthalene-d8	8.06	136	947695	20.00	ng	-0.06
38) Acenaphthene-d10	9.82	164	451489	20.00	ng	-0.05
63) Phenanthrene-d10	11.31	188	860044	20.00	ng	-0.05
75) Chrysene-d12	13.94	240	721602	20.00	ng	-0.06
86) Perylene-d12	15.36	264	546240	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	1718175	126.97	ng	-0.03
7) Phenol-d6	6.43	99	1871483	110.12	ng	-0.05
23) Nitrobenzene-d5	7.34	82	1274060	74.82	ng	-0.06
41) 2,4,6-Tribromophenol	10.61	330	575726	126.31	ng	-0.06
44) 2-Fluorobiphenyl	9.15	172	2562182	101.02	ng	-0.05
78) Terphenyl-d14	12.90	244	2279014	70.50	ng	-0.05

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.34	70	178242	15.49	ng	# 72
25) Isophorone	7.34	82	1043403	32.04	ng	# 66
31) Naphthalene	8.09	128	356461	8.29	ng	# 98
32) Benzoic acid	7.82	122	210	6.27	ng	# 61
33) 4-Chloroaniline	8.09	127	44727	2.27	ng	# 31
37) 2-Methylnaphthalene	8.77	142	66739	2.16	ng	# 97
50) 2,6-Dinitrotoluene	9.82	165	58791	8.30	ng	# 37
51) Acenaphthene	9.85	154	69818	2.50	ng	# 97
54) Dibenzofuran	10.02	168	66836	Below Cal		# 91
55) 4-Nitrophenol	10.02	139	26112	4.10	ng	# 12
56) 2,4-Dinitrotoluene	9.82	165	58793	6.56	ng	# 21
57) Fluorene	10.36	166	50686	Below Cal		# 97
64) 4,6-Dinitro-2-methylphenol	10.61	198	1351	6.61	ng	# 1
66) 4-Bromophenyl-phenylether	10.61	248	37066	4.00	ng	# 1
70) Phenanthrene	11.32	178	102961	2.29	ng	# 96
73) Di-n-butylphthalate	11.88	149	3586	Below Cal		# 90

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.05 min

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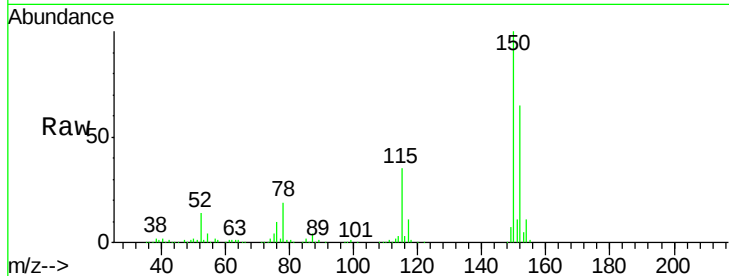
Tgt Ion:152 Resp: 218876

Ion Ratio Lower Upper

152 100

150 152.9 123.0 184.4

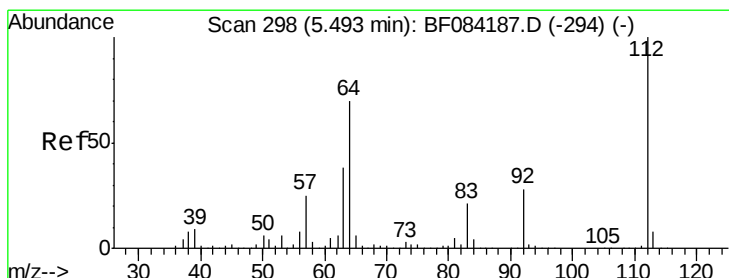
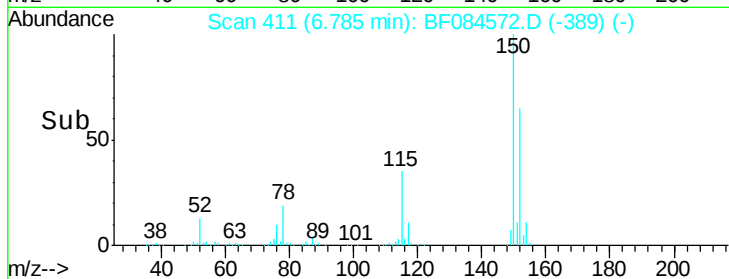
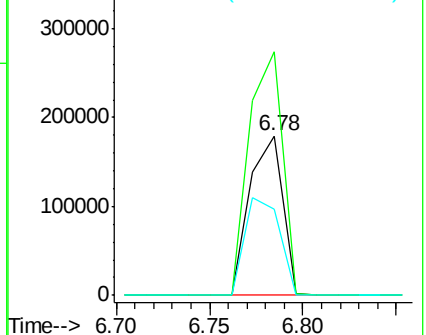
115 53.9 51.4 77.2



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: 126.97 ng

RT: 5.40 min Scan# 290

Delta R.T. -0.03 min

Lab File: BF084572.D

Acq: 20 Jan 2016 18:45

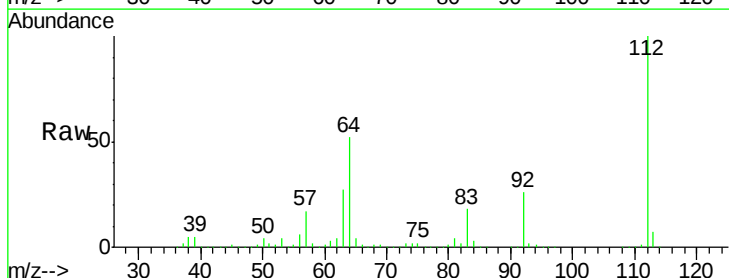
Tgt Ion:112 Resp: 1718175

Ion Ratio Lower Upper

112 100

64 52.4 36.6 55.0

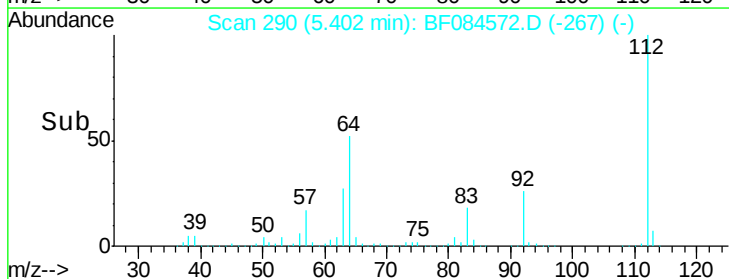
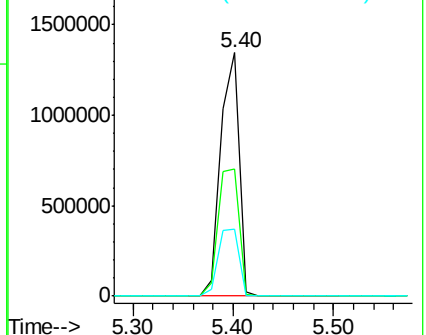
63 27.4 19.4 29.0



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: 110.12 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.05 min

Lab File: BF084572.D

Acq: 20 Jan 2016 18:45

Instrument :

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ClientSampleId :

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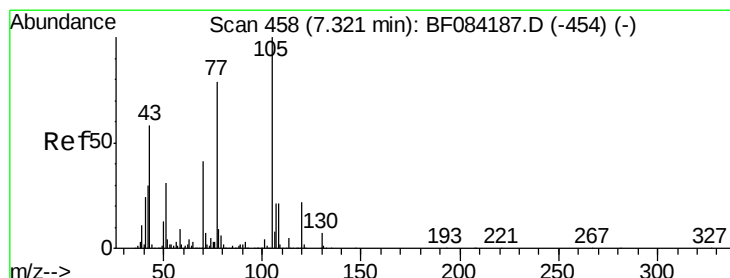
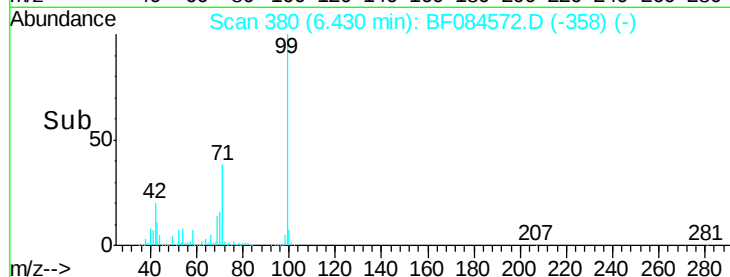
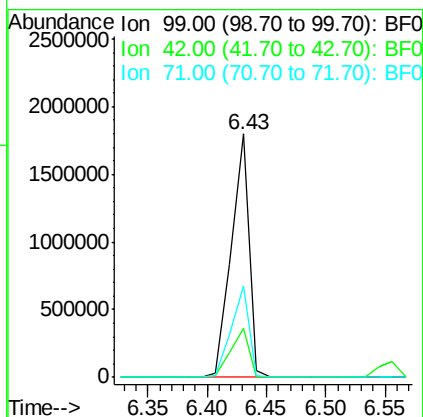
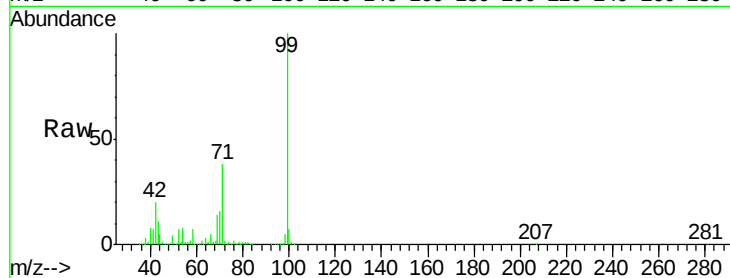
Tgt Ion: 99 Resp: 1871483

Ion Ratio Lower Upper

99 100

42 20.2 12.8 19.2#

71 37.5 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 15.49 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.09 min

Lab File: BF084572.D

Acq: 20 Jan 2016 18:45

Tgt Ion: 70 Resp: 178242

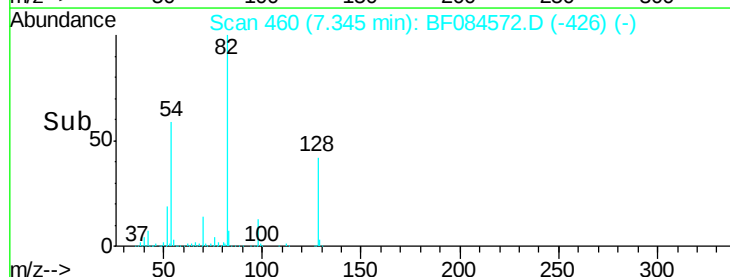
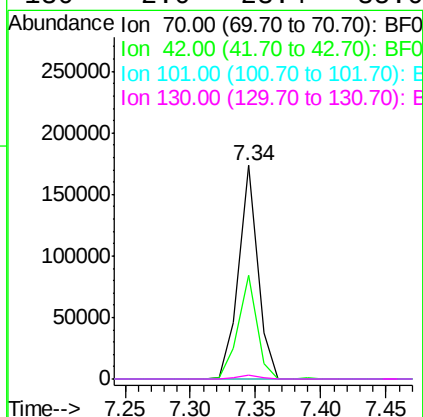
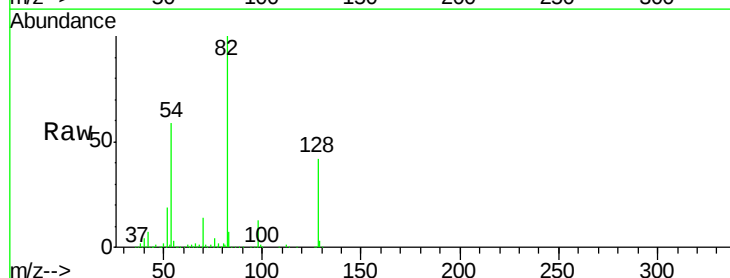
Ion Ratio Lower Upper

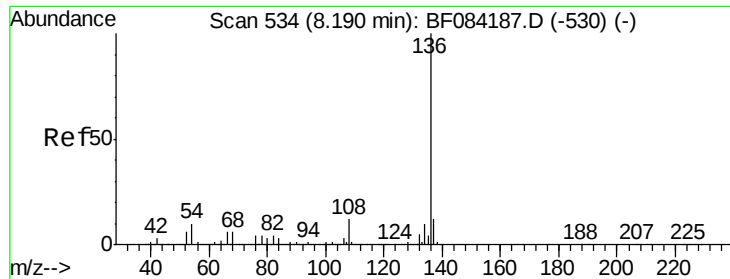
70 100

42 48.7 33.3 49.9

101 0.0 9.3 13.9#

130 2.0 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.06 min

Lab File: BF084572.D

Acq: 20 Jan 2016 18:45

Instrument :

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ClientSampleId :

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Tgt Ion: 136 Resp: 947695

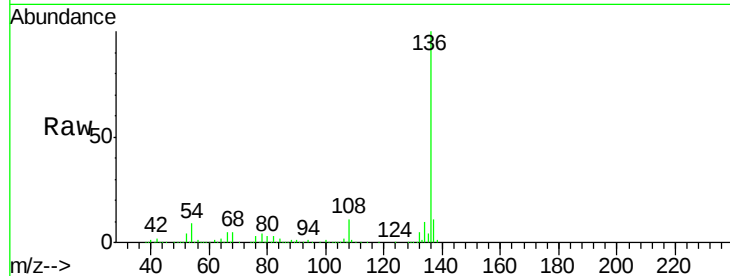
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 8.7 5.8 8.8

68 5.3 4.2 6.2

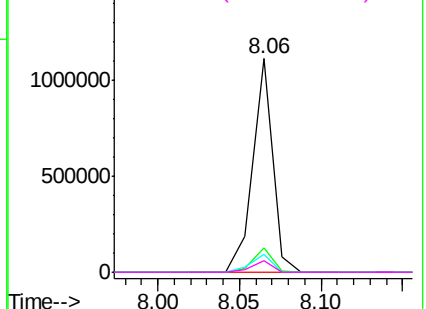
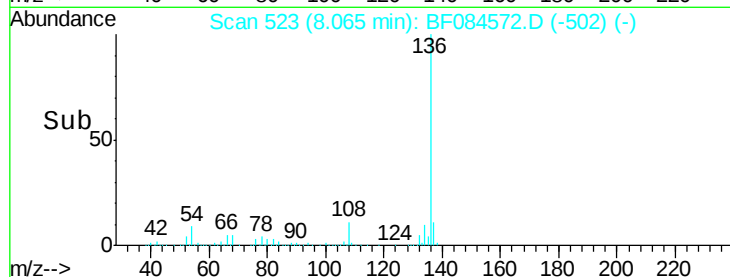


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.82 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.06 min

Lab File: BF084572.D

Acq: 20 Jan 2016 18:45

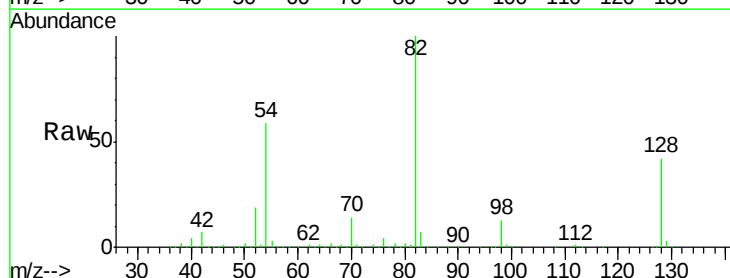
Tgt Ion: 82 Resp: 1274060

Ion Ratio Lower Upper

82 100

128 41.6 34.6 51.8

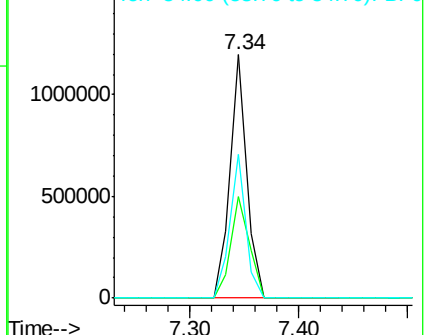
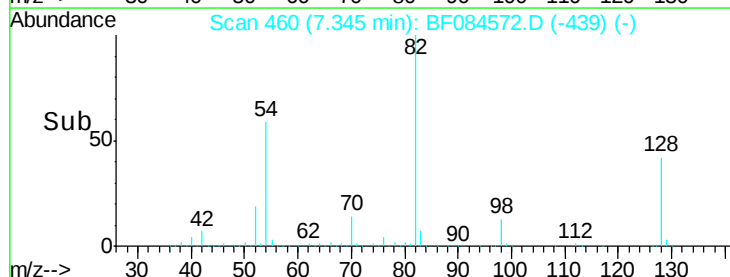
54 59.0 38.4 57.6#

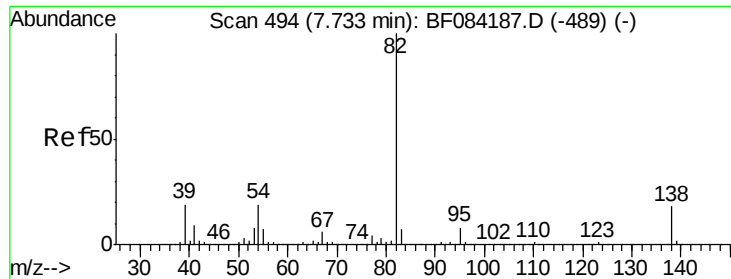


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 32.04 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.32 min

Lab File: BF084572.D

Acq: 20 Jan 2016 18:45

Instrument :

BNA_F

ClientSampleId :

SULFURCAKE

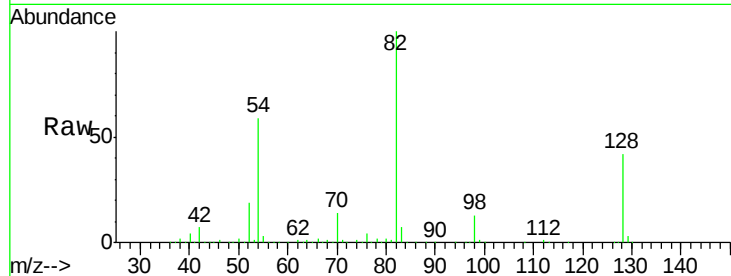
Tgt Ion: 82 Resp: 1043403

Ion Ratio Lower Upper

82 100

95 0.0 6.6 10.0#

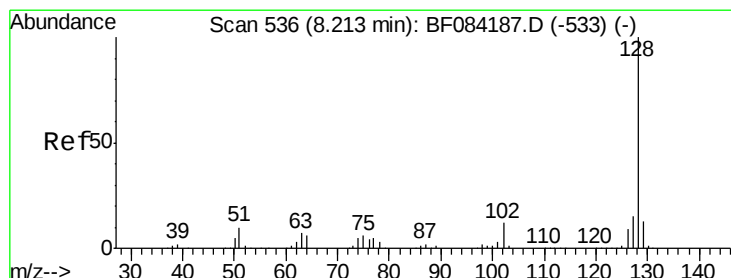
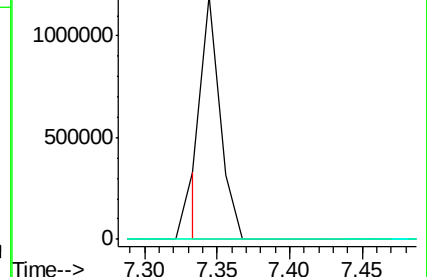
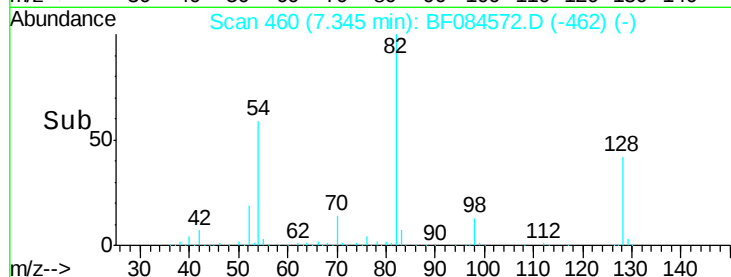
138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 8.29 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.06 min

Lab File: BF084572.D

Acq: 20 Jan 2016 18:45

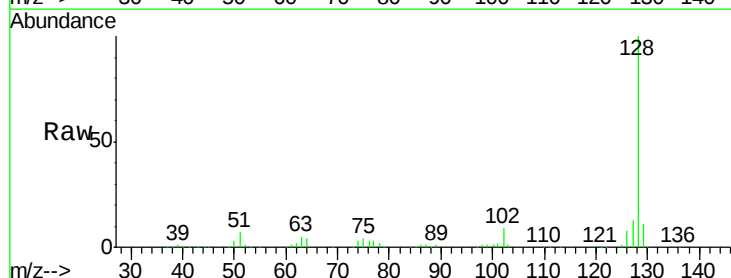
Tgt Ion: 128 Resp: 356461

Ion Ratio Lower Upper

128 100

129 11.0 9.1 13.7

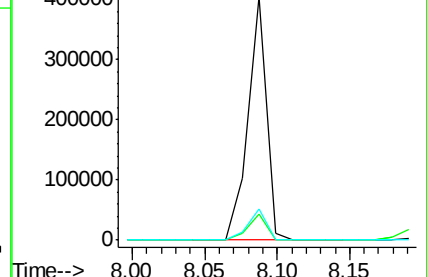
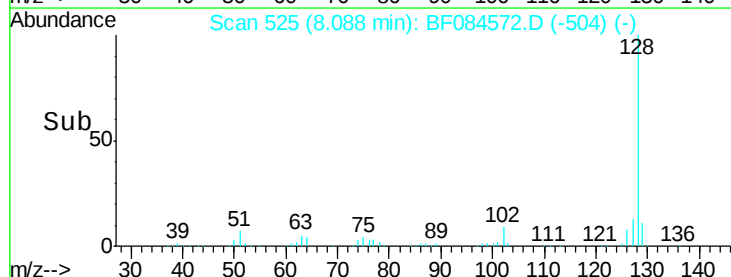
127 12.7 11.1 16.7

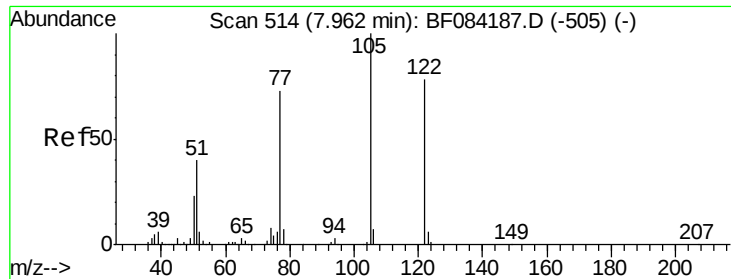


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

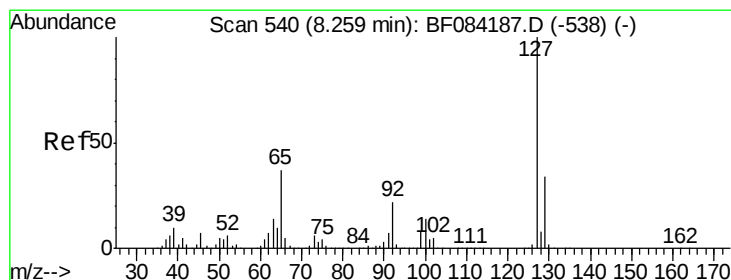
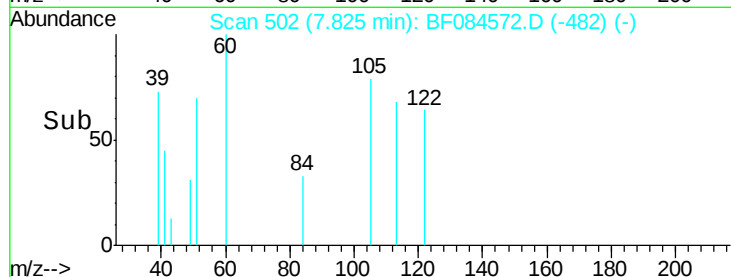
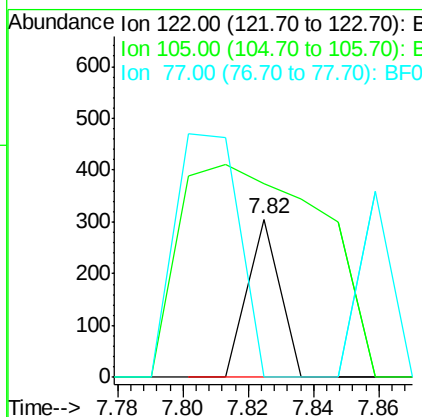
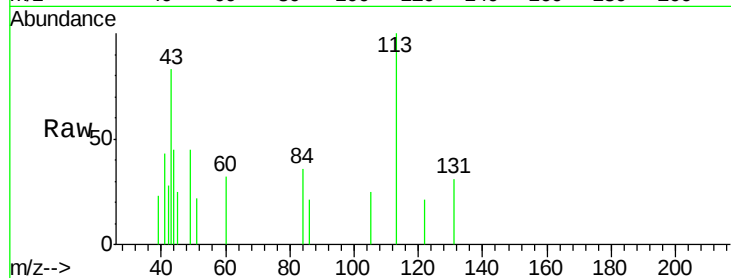




#32
Benzoic acid
Concen: 6.27 ng
RT: 7.82 min Scan# 502
Delta R.T. -0.07 min
Lab File: BF084572.D
Acq: 20 Jan 2016 18:45

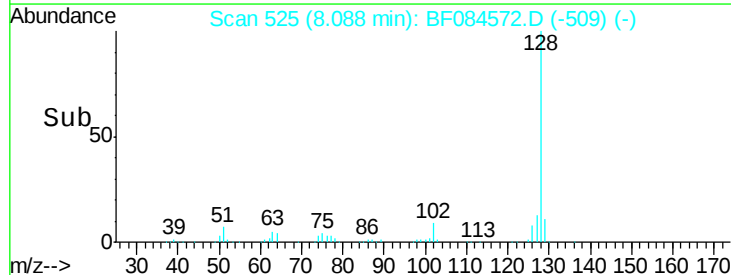
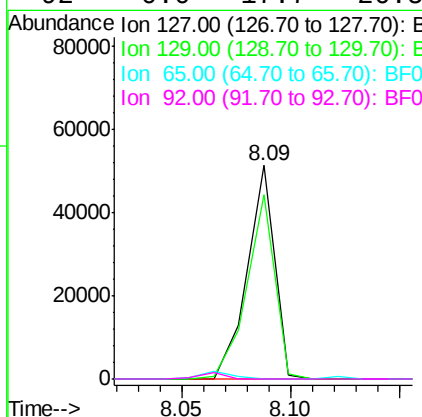
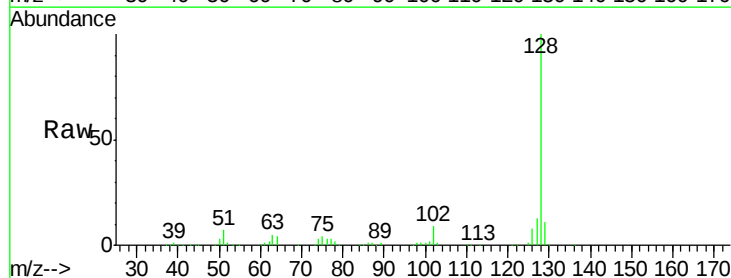
Instrument :
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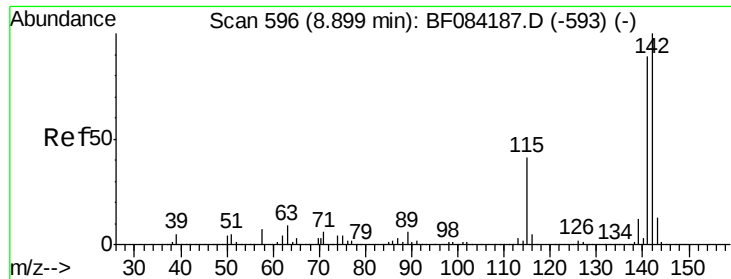
Tgt Ion:122 Resp: 210
Ion Ratio Lower Upper
122 100
105 122.2 100.3 140.3
77 0.0 63.5 103.5#



#33
4-Chloroaniline
Concen: 2.27 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.11 min
Lab File: BF084572.D
Acq: 20 Jan 2016 18:45

Tgt Ion:127 Resp: 44727
Ion Ratio Lower Upper
127 100
129 86.5 26.5 39.7#
65 0.0 27.2 40.8#
92 0.0 17.7 26.5#

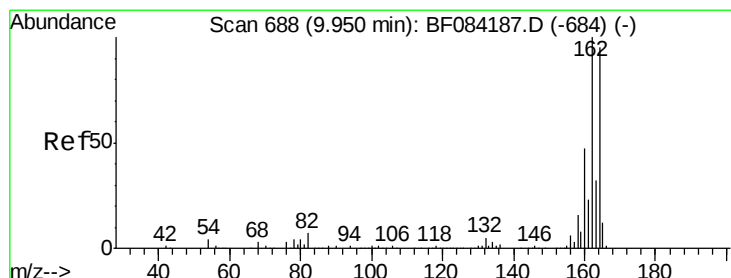
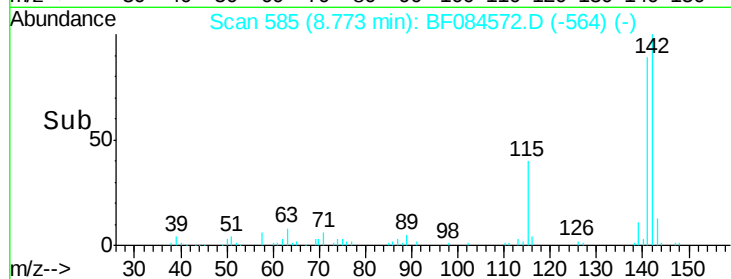
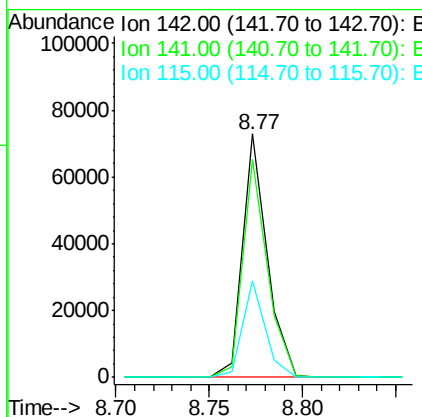
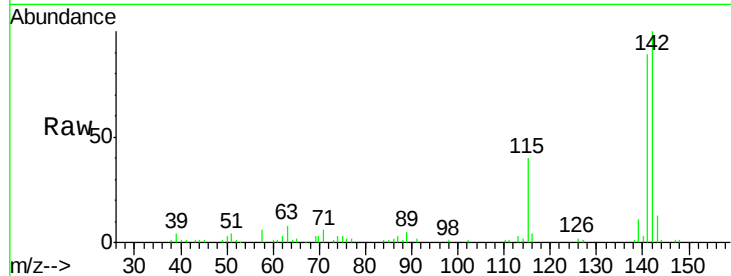




#37
 2-Methylnaphthalene
 Concen: 2.16 ng
 RT: 8.77 min Scan# 585
 Delta R.T. -0.06 min
 Lab File: BF084572.D
 Acq: 20 Jan 2016 18:45

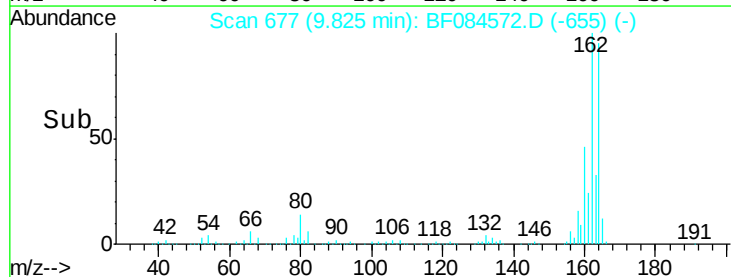
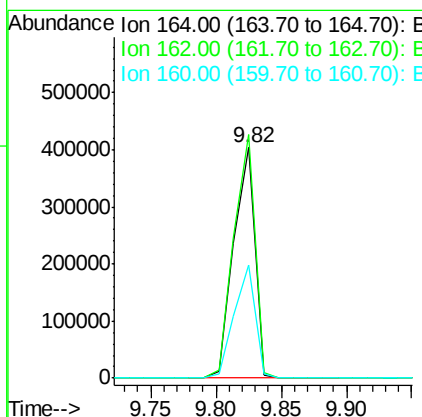
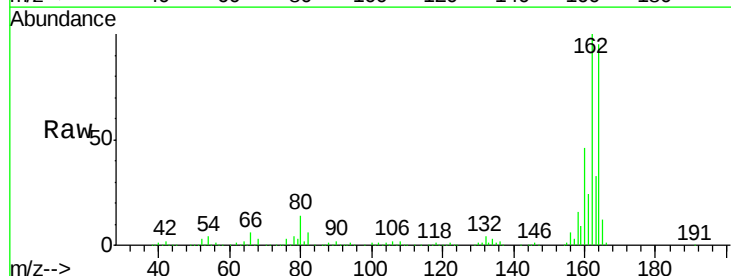
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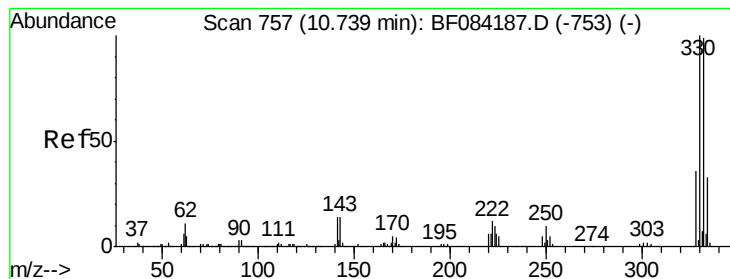
Tgt Ion:142 Resp: 66739
 Ion Ratio Lower Upper
 142 100
 141 89.4 72.4 108.6
 115 39.8 27.9 41.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 677
 Delta R.T. -0.05 min
 Lab File: BF084572.D
 Acq: 20 Jan 2016 18:45

Tgt Ion:164 Resp: 451489
 Ion Ratio Lower Upper
 164 100
 162 105.7 85.1 127.7
 160 49.1 37.5 56.3

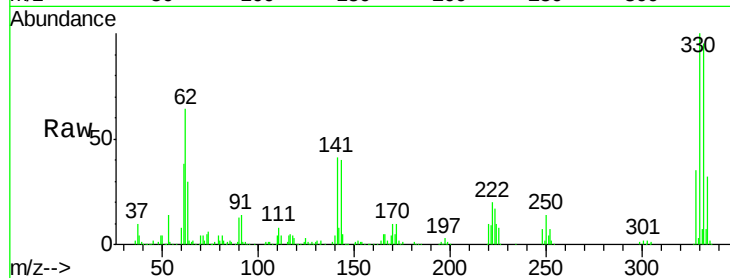




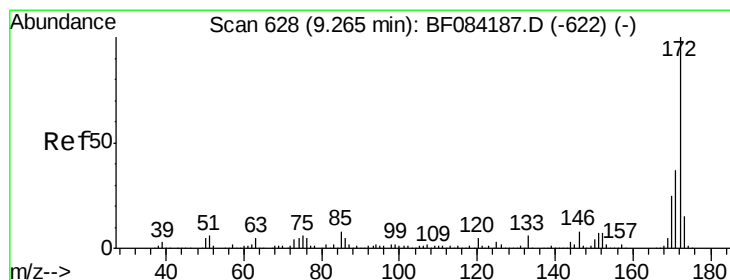
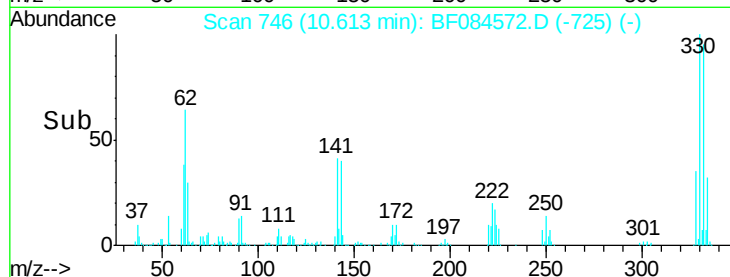
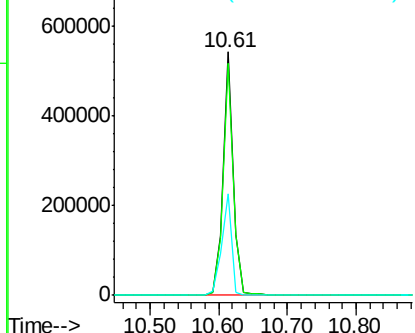
#41
 2,4,6-Tribromophenol
 Concen: 126.31 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.06 min
 Lab File: BF084572.D
 Acq: 20 Jan 2016 18:45

Instrument :
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 ClientSampleId :
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Tgt Ion:330 Resp: 575726
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.6 114.8
 141 40.3 27.8 41.6

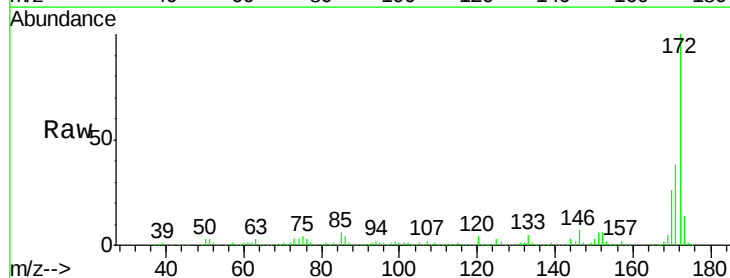


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

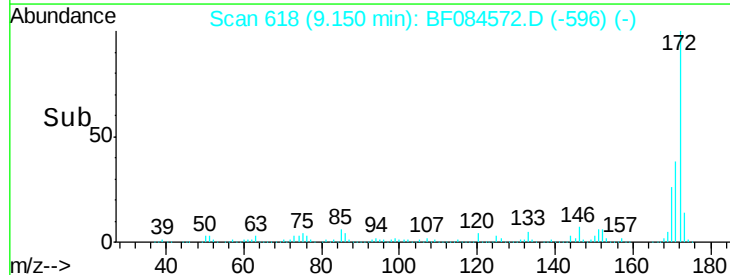
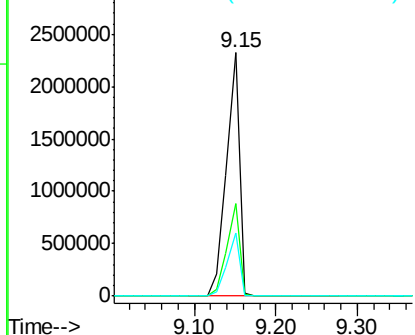


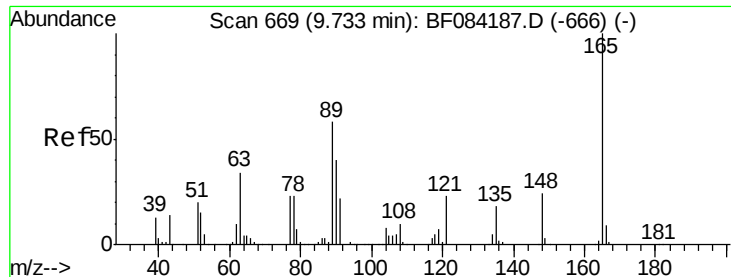
#44
 2-Fluorobiphenyl
 Concen: 101.02 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.05 min
 Lab File: BF084572.D
 Acq: 20 Jan 2016 18:45

Tgt Ion:172 Resp: 2562182
 Ion Ratio Lower Upper
 172 100
 171 37.9 28.9 43.3
 170 25.8 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

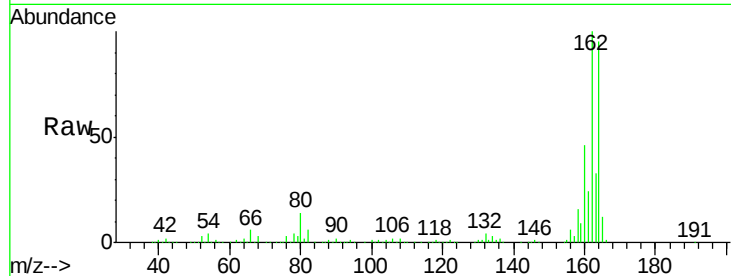




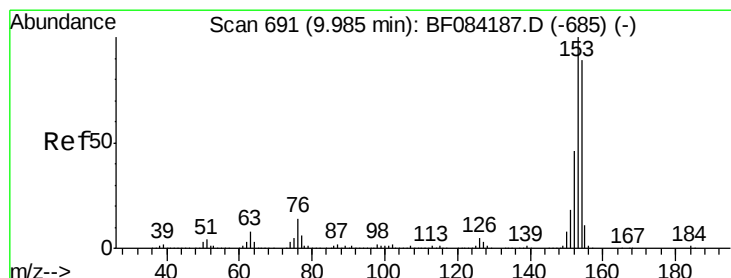
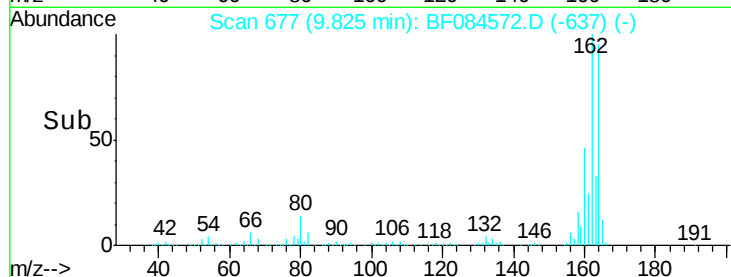
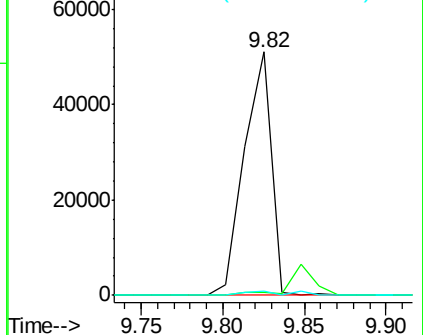
#50
2,6-Dinitrotoluene
Concen: 8.30 ng
RT: 9.82 min Scan# 677
Delta R.T. 0.16 min
Lab File: BF084572.D
Acq: 20 Jan 2016 18:45

Instrument :
BNA_F
ClientSampleId :
SULFURCAKE

Tgt Ion:165 Resp: 58791
Ion Ratio Lower Upper
165 100
63 1.1 28.8 43.2#
89 1.7 35.1 52.7#

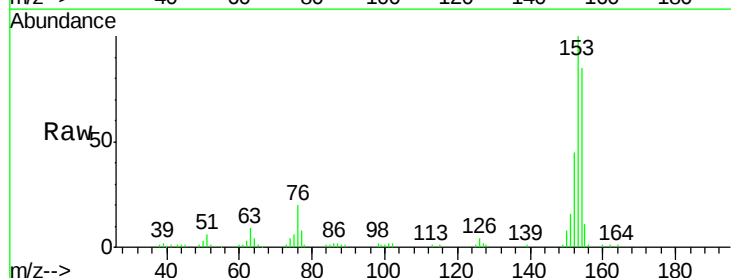


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

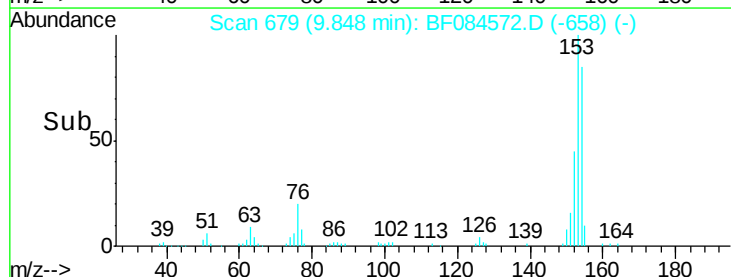
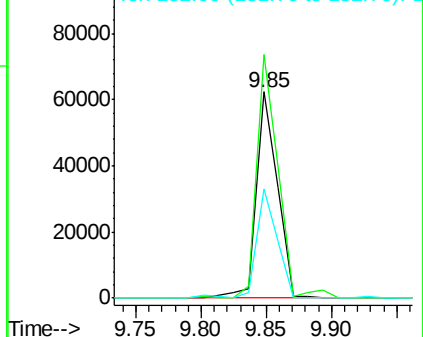


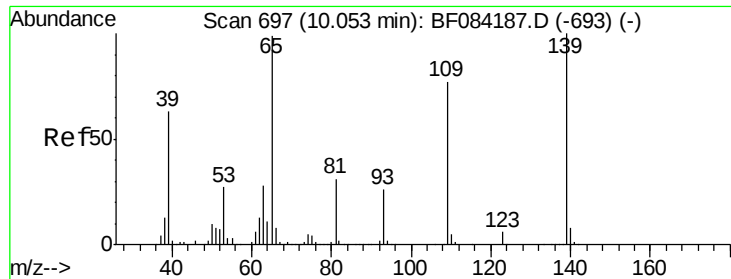
#51
Acenaphthene
Concen: 2.50 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.06 min
Lab File: BF084572.D
Acq: 20 Jan 2016 18:45

Tgt Ion:154 Resp: 69818
Ion Ratio Lower Upper
154 100
153 118.1 91.5 137.3
152 52.8 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: 4.10 ng

RT: 10.02 min Scan# 694

Delta R.T. 0.01 min

Lab File: BF084572.D

Acq: 20 Jan 2016 18:45

Instrument :

BNA_F

ClientSampleId :

SULFURCAKE

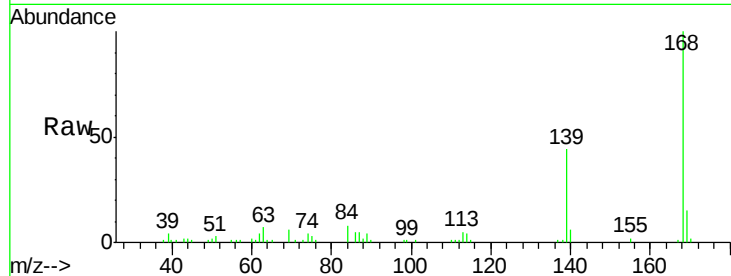
Tgt Ion:139 Resp: 26112

Ion Ratio Lower Upper

139 100

109 0.0 58.5 98.5#

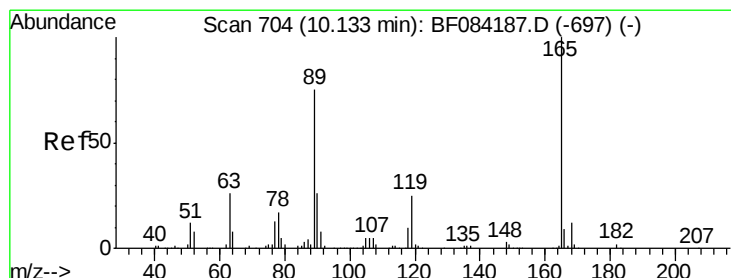
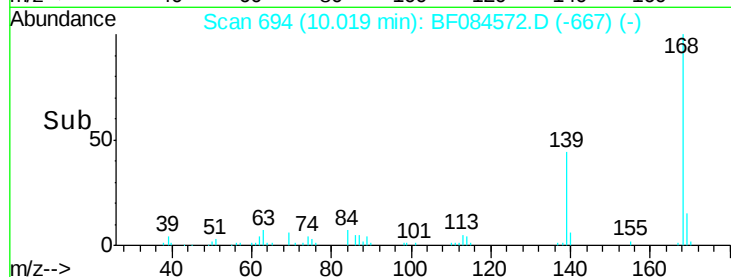
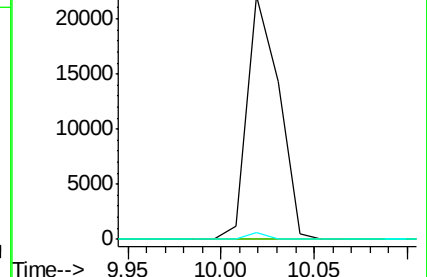
65 2.9 57.6 97.6#



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: 6.56 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.24 min

Lab File: BF084572.D

Acq: 20 Jan 2016 18:45

Tgt Ion:165 Resp: 58793

Ion Ratio Lower Upper

165 100

63 1.1 36.7 55.1#

89 1.7 61.9 92.9#

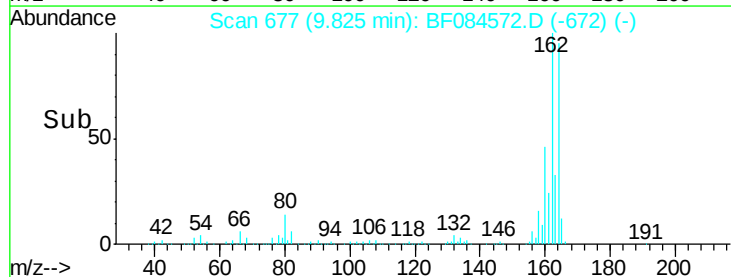
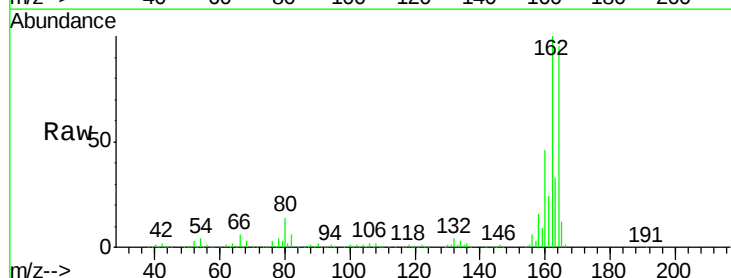
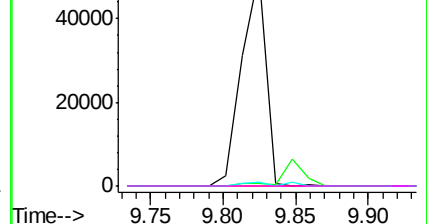
182 0.0 2.0 3.0#

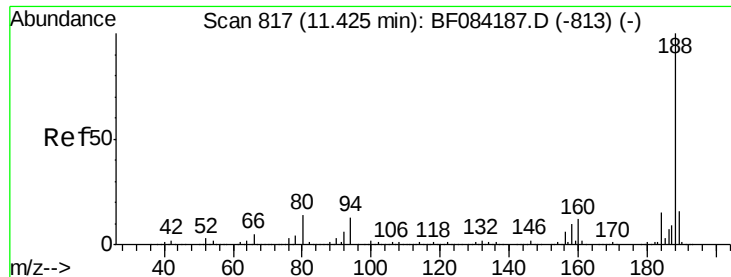
Abundance Ion 165.00 (164.70 to 165.70): E

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

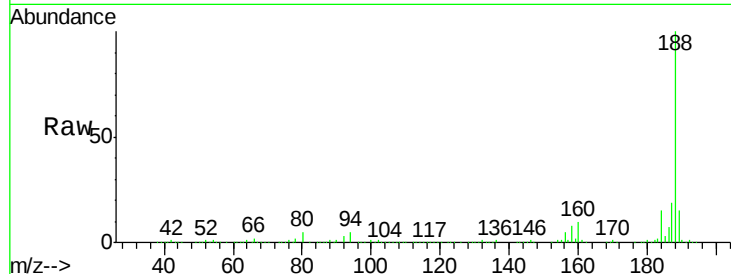




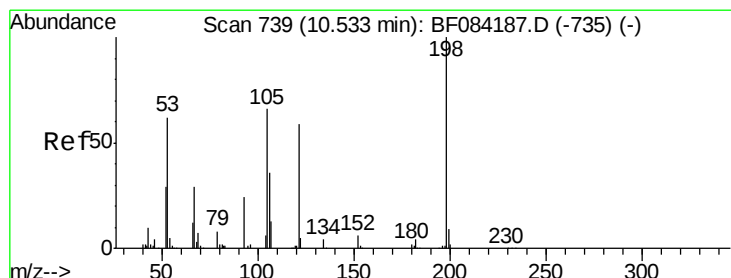
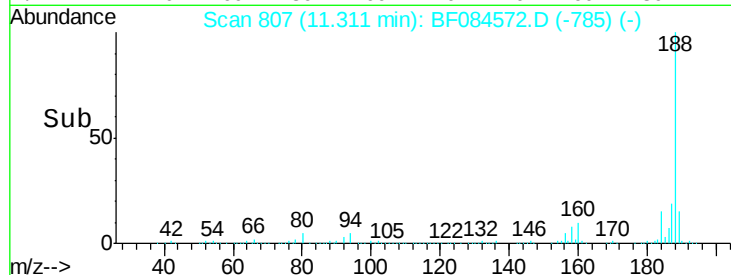
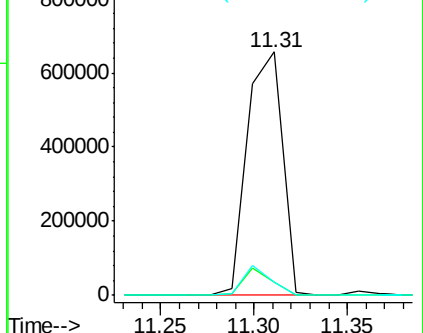
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.31 min Scan# 807
 Delta R.T. -0.05 min
 Lab File: BF084572.D
 Acq: 20 Jan 2016 18:45

Instrument :
 BNA_F
 ClientSampleId :
 SULFURCAKE

Tgt Ion:188 Resp: 860044
 Ion Ratio Lower Upper
 188 100
 94 5.3 9.0 13.4#
 80 5.3 9.6 14.4#

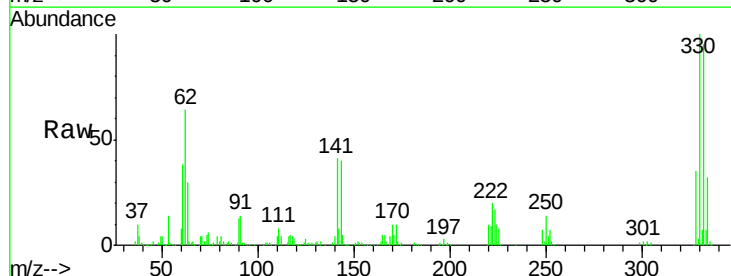


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

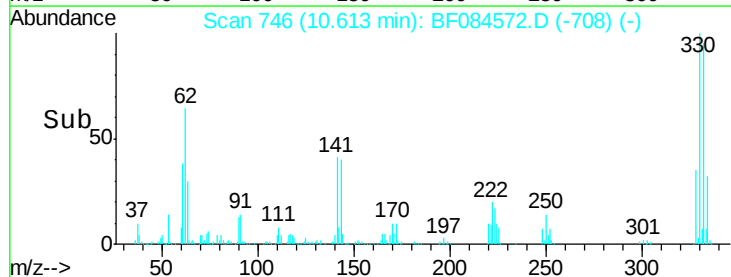
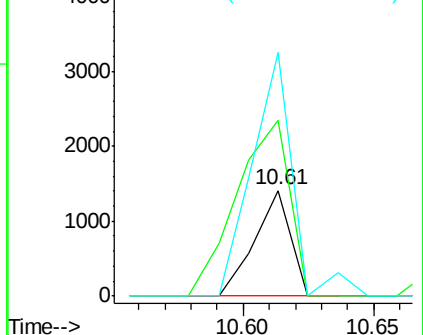


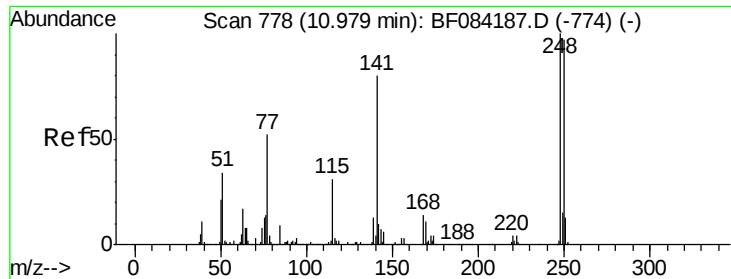
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.61 ng
 RT: 10.61 min Scan# 746
 Delta R.T. 0.14 min
 Lab File: BF084572.D
 Acq: 20 Jan 2016 18:45

Tgt Ion:198 Resp: 1351
 Ion Ratio Lower Upper
 198 100
 51 166.9 18.9 58.9#
 105 230.7 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

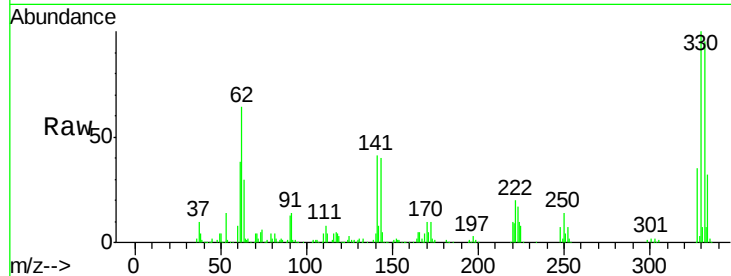




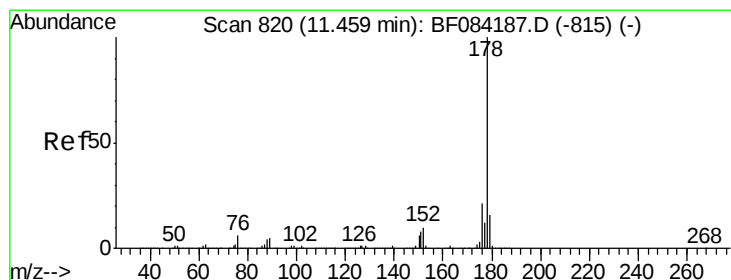
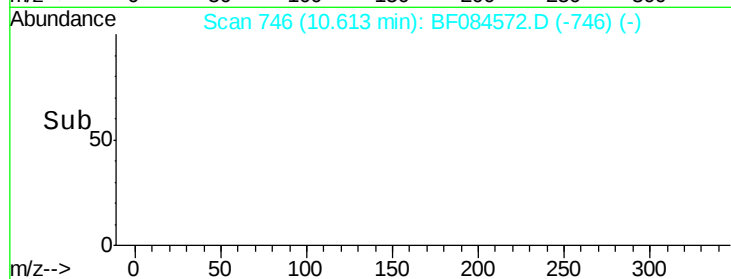
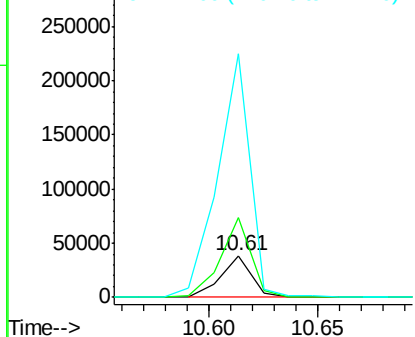
#66
4-Bromophenyl-phenylether
Concen: 4.00 ng
RT: 10.61 min Scan# 746
Delta R.T. -0.30 min
Lab File: BF084572.D
Acq: 20 Jan 2016 18:45

Instrument :
BNA_F
ClientSampleId :
SULFURCAKE

Tgt Ion:248 Resp: 37066
Ion Ratio Lower Upper
248 100
250 192.3 78.4 117.6#
141 586.2 44.0 66.0#

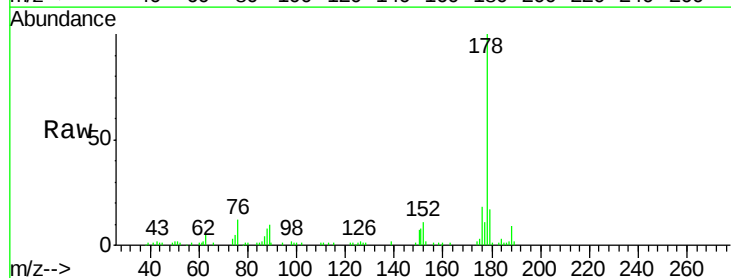


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

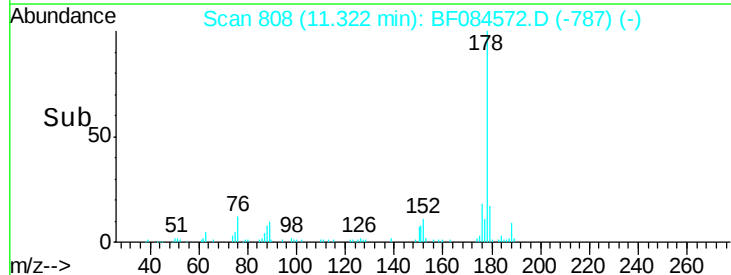
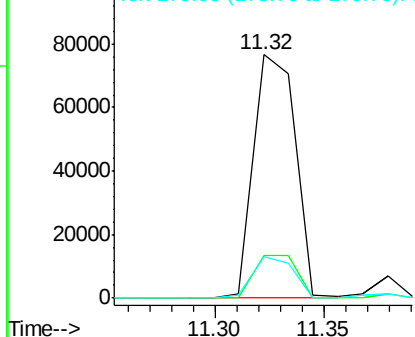


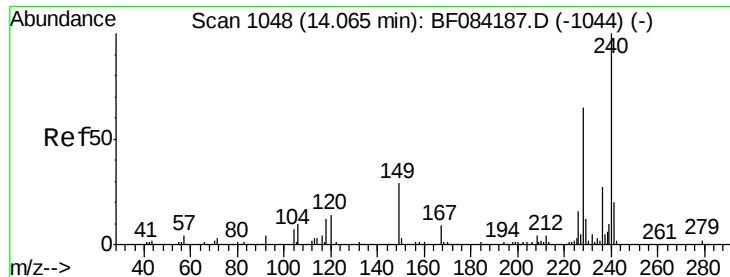
#70
Phenanthrene
Concen: 2.29 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.06 min
Lab File: BF084572.D
Acq: 20 Jan 2016 18:45

Tgt Ion:178 Resp: 102961
Ion Ratio Lower Upper
178 100
176 17.6 15.3 22.9
179 16.8 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.06 min

Lab File: BF084572.D

Acq: 20 Jan 2016 18:45

Instrument :

BNA_F

ClientSampleId :

SULFURCAKE

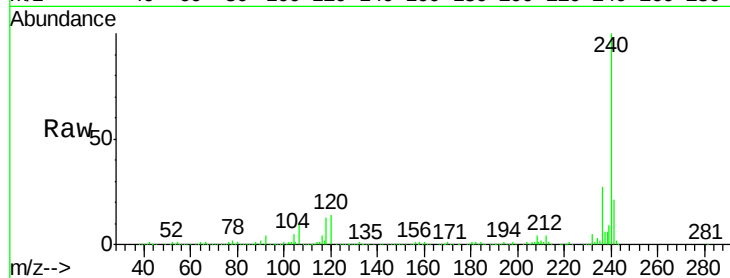
Tgt Ion:240 Resp: 721602

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

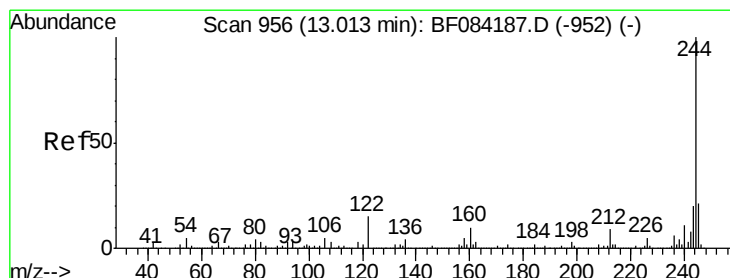
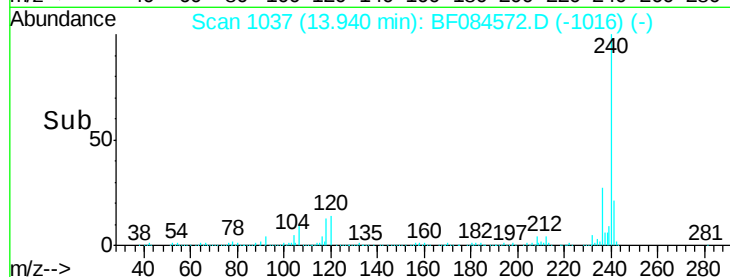
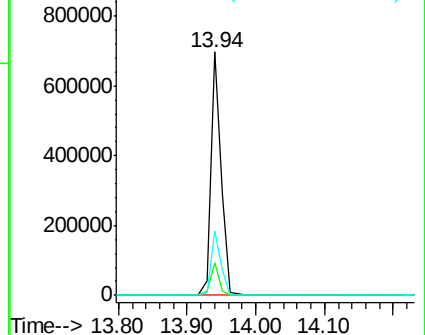
236 26.6 20.6 31.0



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: 70.50 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.05 min

Lab File: BF084572.D

Acq: 20 Jan 2016 18:45

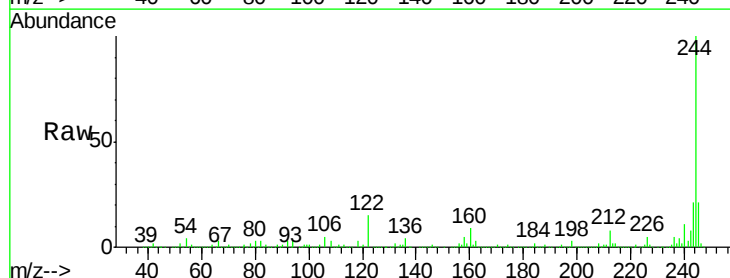
Tgt Ion:244 Resp: 2279014

Ion Ratio Lower Upper

244 100

212 8.0 5.7 8.5

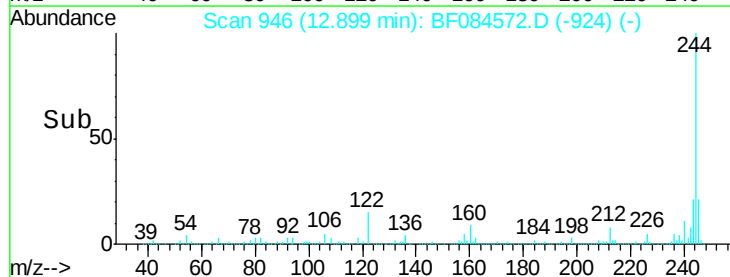
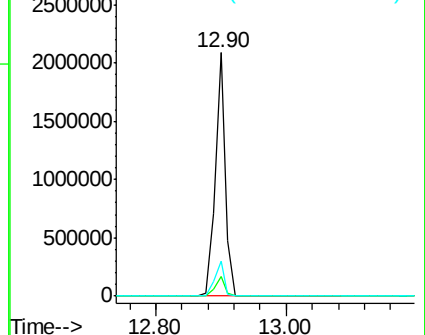
122 14.6 7.4 11.0#

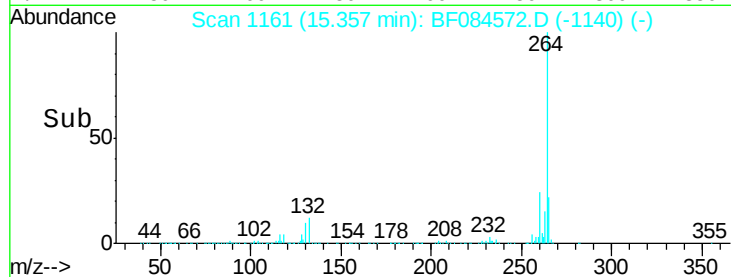
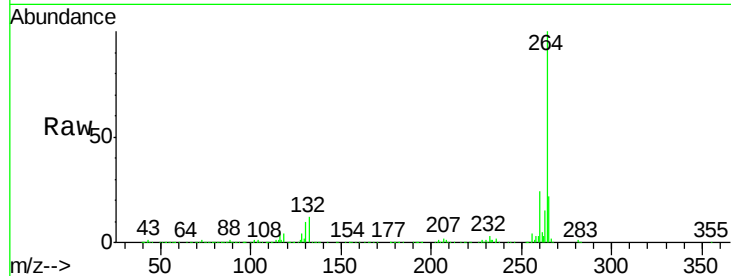
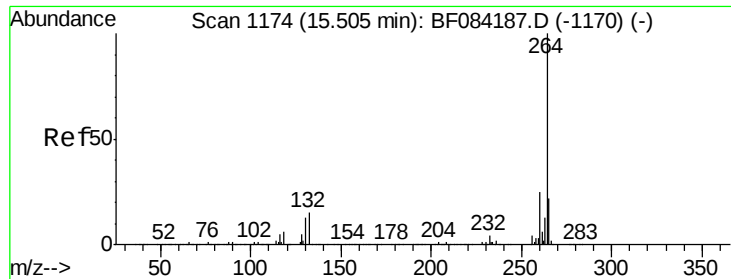


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.36 min Scan# 1161

Delta R.T. -0.06 min

Lab File: BF084572.D

Acq: 20 Jan 2016 18:45

Instrument :

BNA_F

ClientSampleId :

SULFURCAKE

Tgt Ion: 264 Resp: 546240

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

265 21.8 17.8 26.6

