

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012116\
 Data File : BF084578.D
 Acq On : 21 Jan 2016 12:03
 Operator : SJ/UM
 Sample : H1159-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SULFURCAKE

Quant Time: Jan 22 00:05:20 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	6.76	152	239849	20.00	ng	-0.07
21) Naphthalene-d8	8.04	136	959743	20.00	ng	-0.08
38) Acenaphthene-d10	9.79	164	475036	20.00	ng	-0.08
63) Phenanthrene-d10	11.28	188	864009	20.00	ng	-0.08
75) Chrysene-d12	13.92	240	800629	20.00	ng	-0.08
86) Perylene-d12	15.31	264	589257	20.00	ng	-0.10

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	1651180	111.35	ng	-0.06
7) Phenol-d6	6.41	99	1912216	102.68	ng	-0.07
23) Nitrobenzene-d5	7.33	82	1633286	94.71	ng	-0.07
41) 2,4,6-Tribromophenol	10.59	330	670656	139.84	ng	-0.08
44) 2-Fluorobiphenyl	9.13	172	2630812	98.42	ng	-0.07
78) Terphenyl-d14	12.88	244	2740232	76.40	ng	-0.07

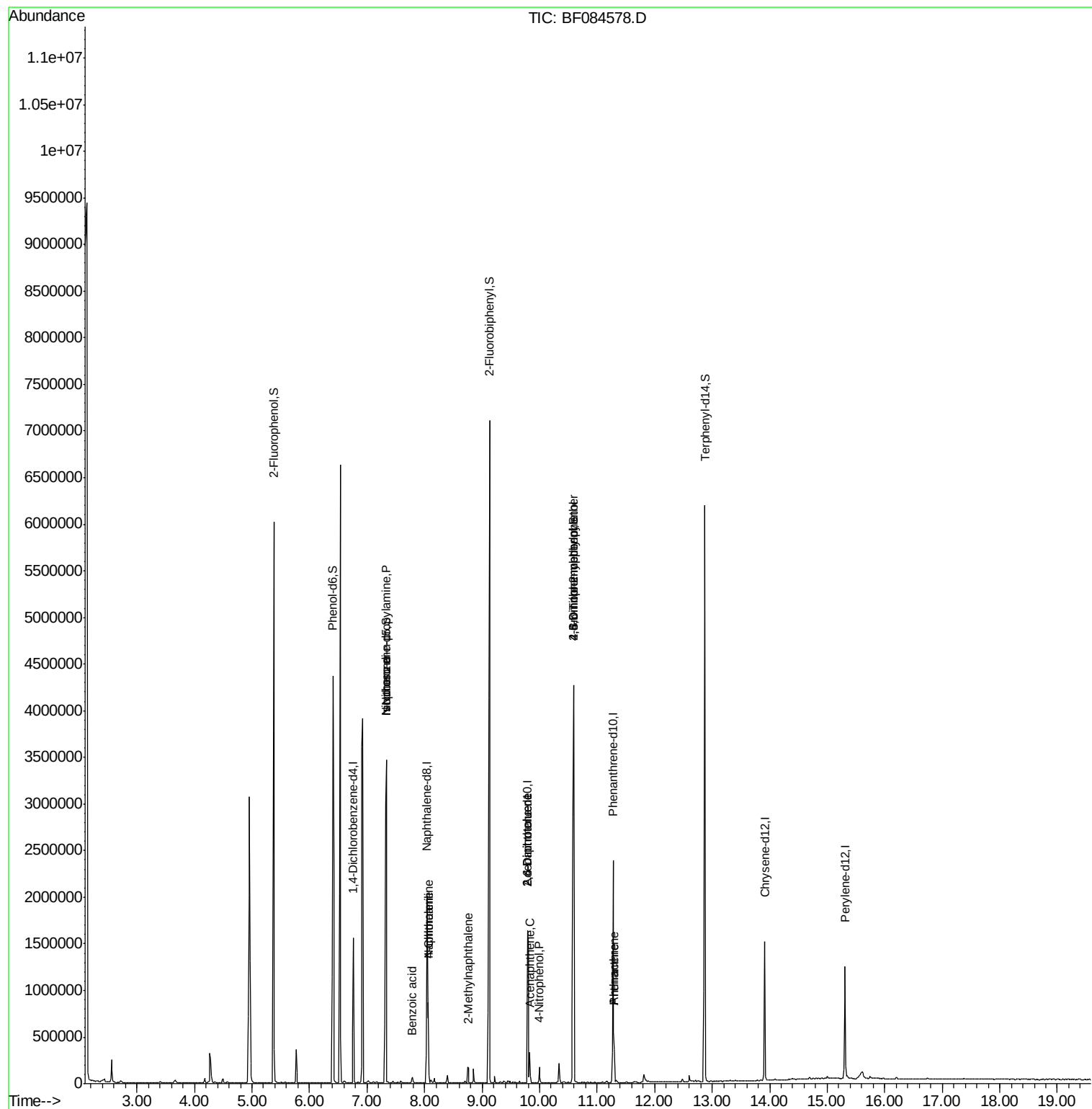
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.33	70	226012	17.93	ng	# 78
25) Isophorone	7.33	82	1488572	45.13	ng	# 66
31) Naphthalene	8.06	128	367916	8.45	ng	# 98
32) Benzoic acid	7.78	122	5474	6.71	ng	# 81
33) 4-Chloroaniline	8.06	127	46579	2.33	ng	# 30
37) 2-Methylnaphthalene	8.76	142	70247	2.25	ng	# 94
50) 2,6-Dinitrotoluene	9.79	165	61523	8.26	ng	# 38
51) Acenaphthene	9.82	154	77432	2.63	ng	# 97
54) Dibenzofuran	10.00	168	69563	Below Cal		# 95
55) 4-Nitrophenol	10.00	139	26951	4.02	ng	# 11
56) 2,4-Dinitrotoluene	9.79	165	61523	6.53	ng	# 21
57) Fluorene	10.34	166	57004	Below Cal		# 99
64) 4,6-Dinitro-2-methylphenol	10.59	198	1848	6.68	ng	# 1
66) 4-Bromophenyl-phenylether	10.59	248	42669	4.59	ng	# 1
70) Phenanthrene	11.30	178	123064	2.72	ng	# 99
71) Anthracene	11.30	178	123064	2.78	ng	# 99
73) Di-n-butylphthalate	11.85	149	9280	Below Cal		# 88

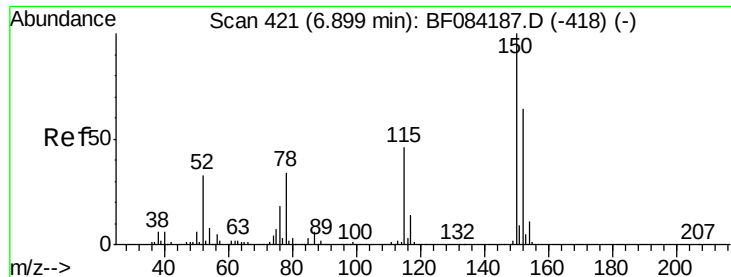
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.07 min

Lab File: BF084578.D

Acq: 21 Jan 2016 12:03

Instrument :

BNA_F

ClientSampleId :

SULFURCAKE

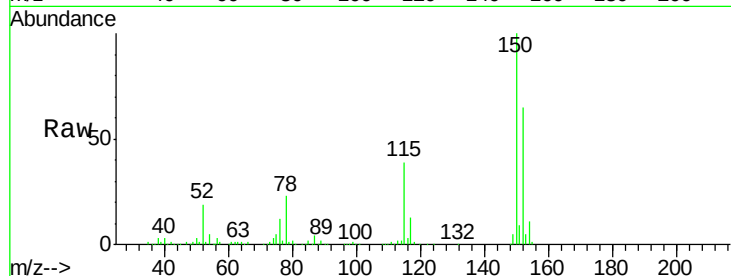
Tgt Ion:152 Resp: 239849

Ion Ratio Lower Upper

152 100

150 155.0 123.0 184.4

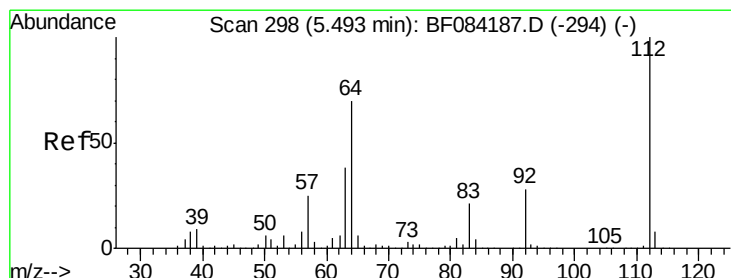
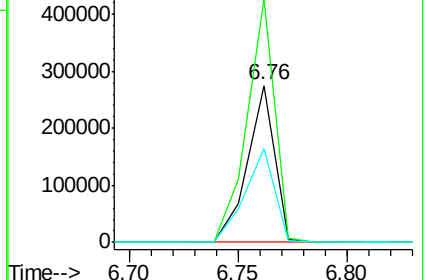
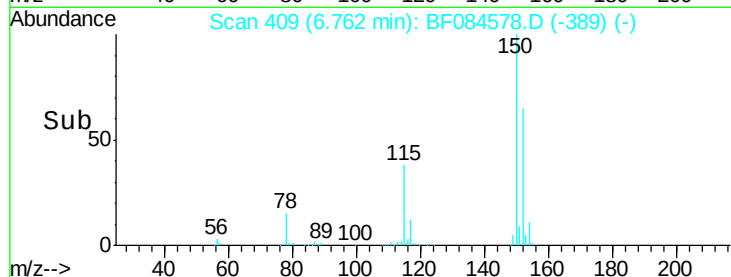
115 60.1 51.4 77.2



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: 111.35 ng

RT: 5.38 min Scan# 288

Delta R.T. -0.06 min

Lab File: BF084578.D

Acq: 21 Jan 2016 12:03

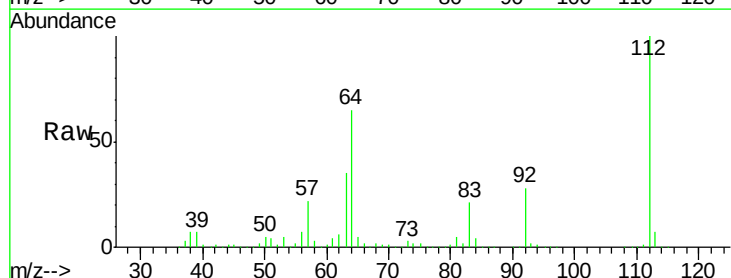
Tgt Ion:112 Resp: 1651180

Ion Ratio Lower Upper

112 100

64 65.5 36.6 55.0#

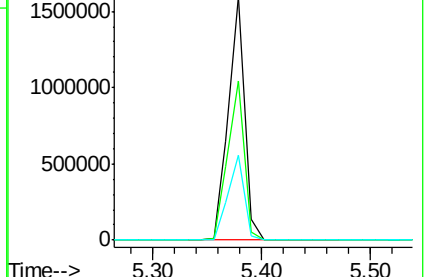
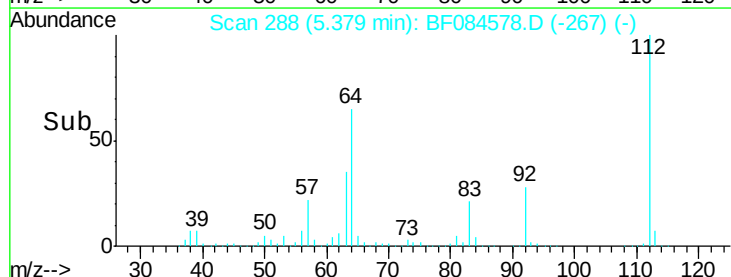
63 34.9 19.4 29.0#

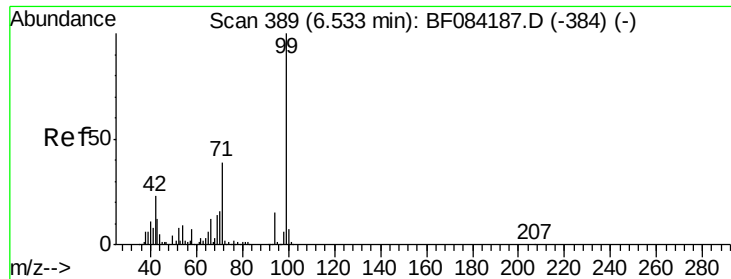


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 102.68 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.07 min

Lab File: BF084578.D

Acq: 21 Jan 2016 12:03

Instrument :

BNA_F

ClientSampleId :

SULFURCAKE

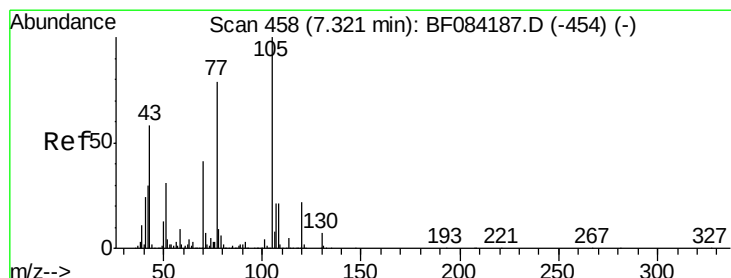
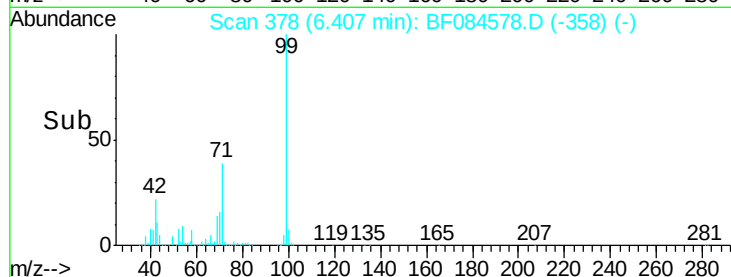
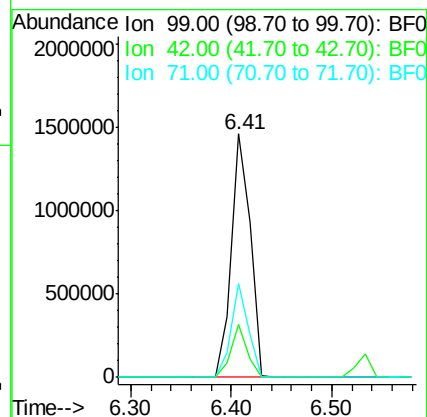
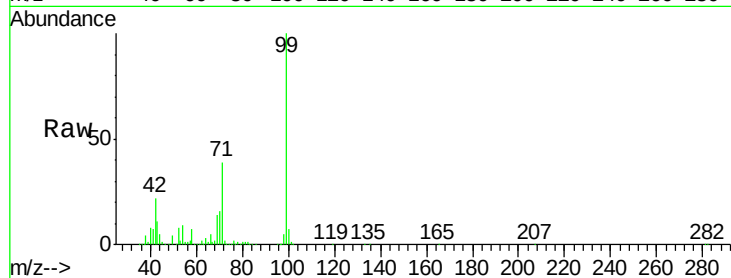
Tgt Ion: 99 Resp: 1912216

Ion Ratio Lower Upper

99 100

42 21.5 12.8 19.2#

71 38.8 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 17.93 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.08 min

Lab File: BF084578.D

Acq: 21 Jan 2016 12:03

Tgt Ion: 70 Resp: 226012

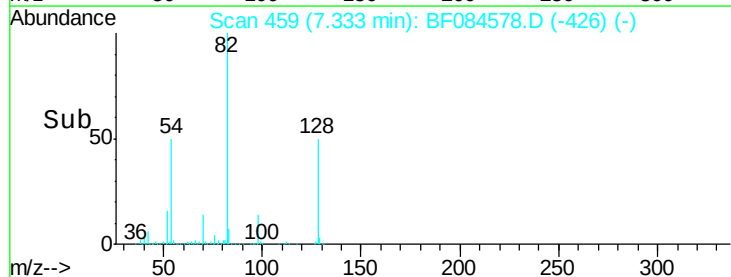
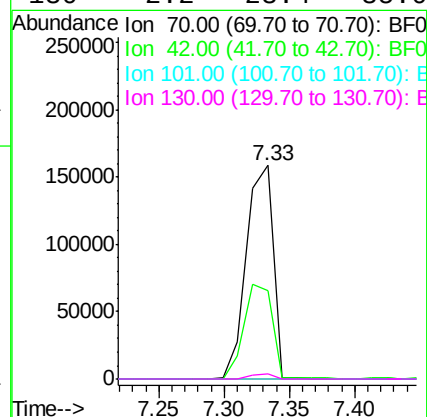
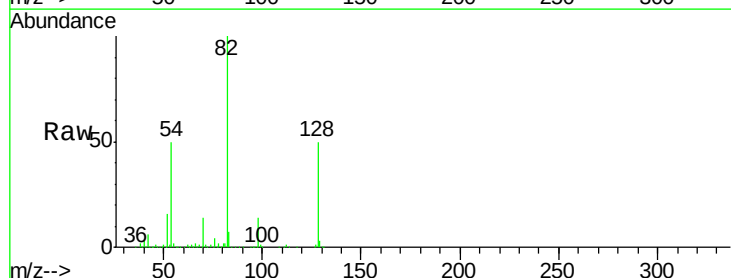
Ion Ratio Lower Upper

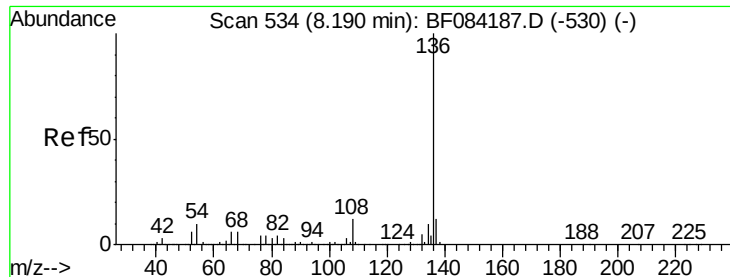
70 100

42 41.5 33.3 49.9

101 0.0 9.3 13.9#

130 2.2 23.4 35.0#

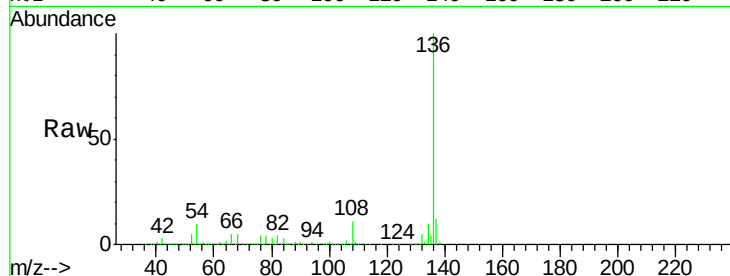




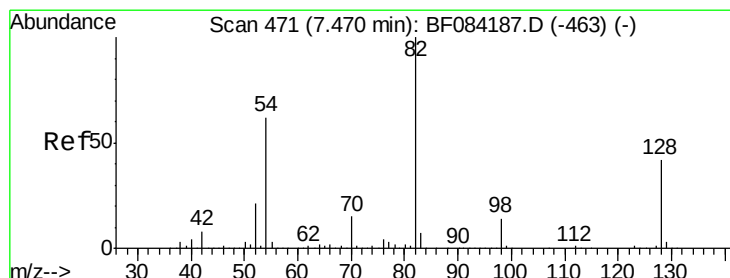
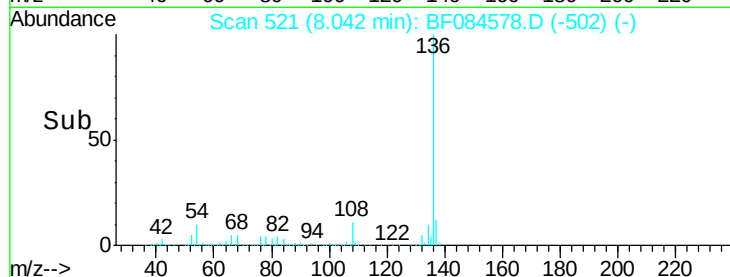
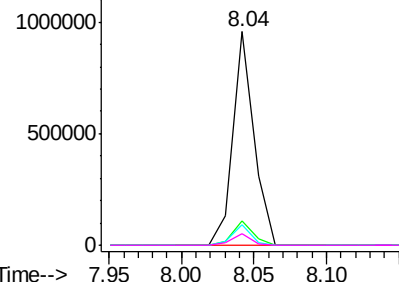
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.08 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Instrument :
BNA_F
ClientSampleId :
SULFURCAKE

Tgt Ion:	136	Resp:	959743
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.7	13.1
54	9.8	5.8	8.8#
68	5.3	4.2	6.2

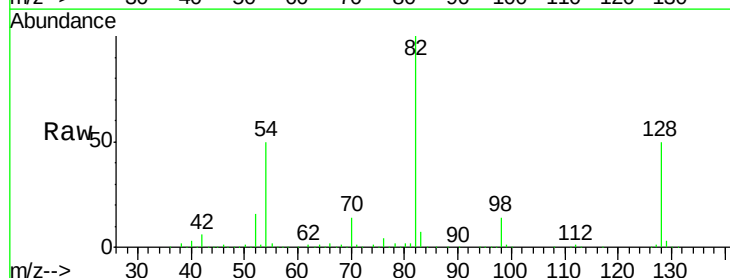


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

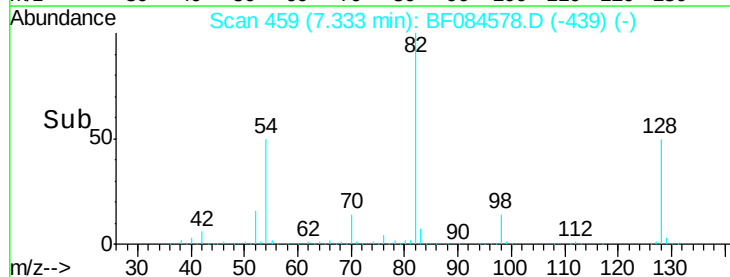
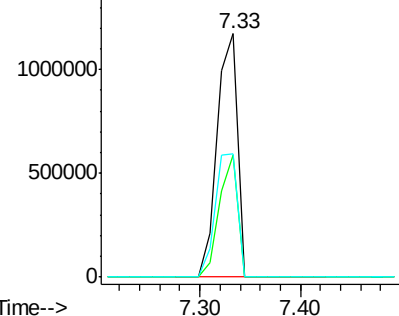


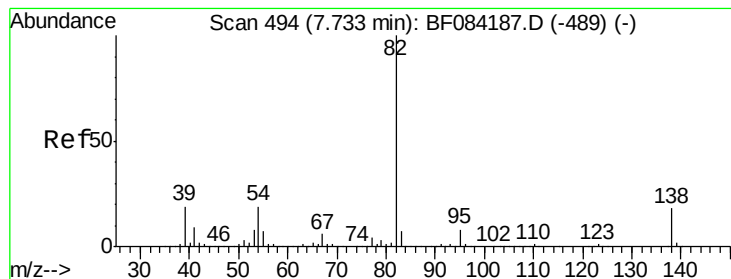
#23
Nitrobenzene-d5
Concen: 94.71 ng
RT: 7.33 min Scan# 459
Delta R.T. -0.07 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Tgt Ion:	82	Resp:	1633286
Ion	Ratio	Lower	Upper
82	100		
128	50.0	34.6	51.8
54	50.4	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





#25

Isophorone

Concen: 45.13 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.33 min

Lab File: BF084578.D

Acq: 21 Jan 2016 12:03

Instrument :

BNA_F

ClientSampleId :

SULFURCAKE

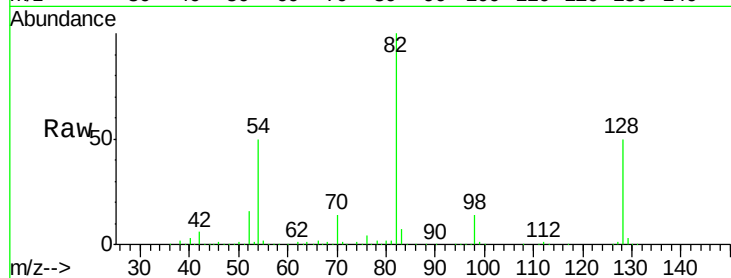
Tgt Ion: 82 Resp: 1488572

Ion Ratio Lower Upper

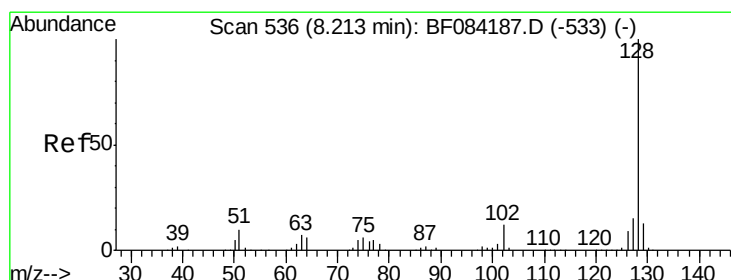
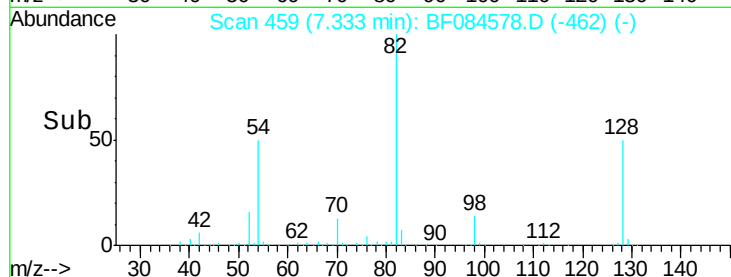
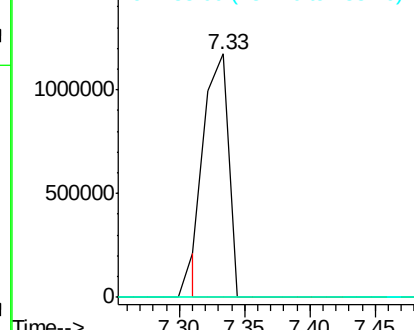
82 100

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): E



#31

Naphthalene

Concen: 8.45 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.08 min

Lab File: BF084578.D

Acq: 21 Jan 2016 12:03

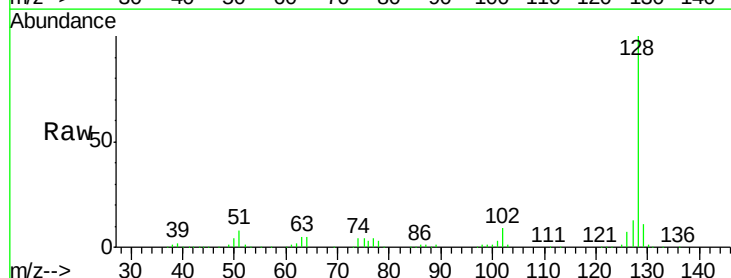
Tgt Ion: 128 Resp: 367916

Ion Ratio Lower Upper

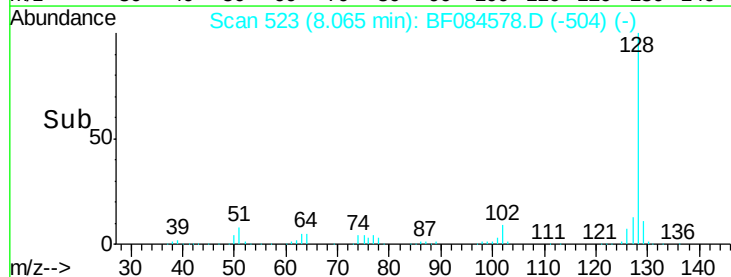
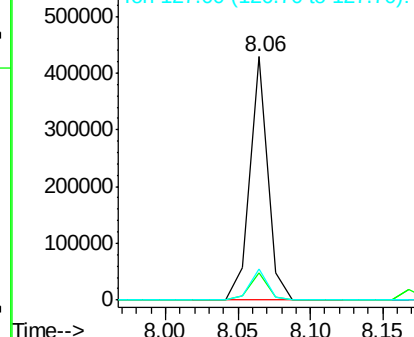
128 100

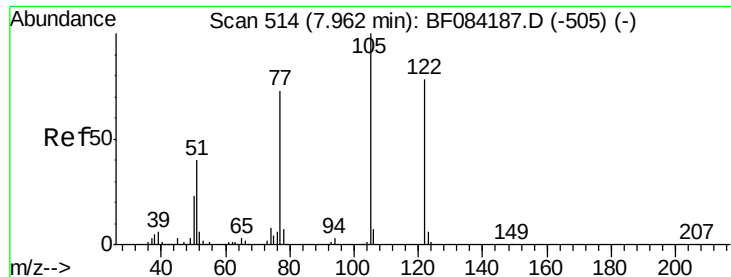
129 11.1 9.1 13.7

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

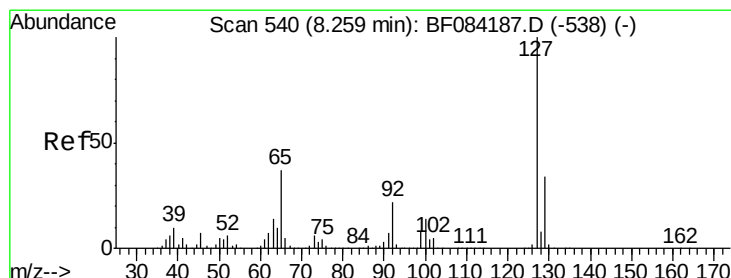
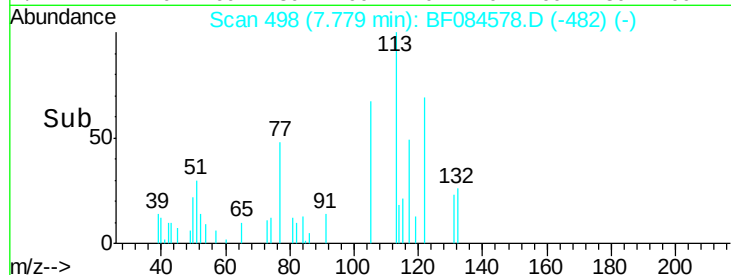
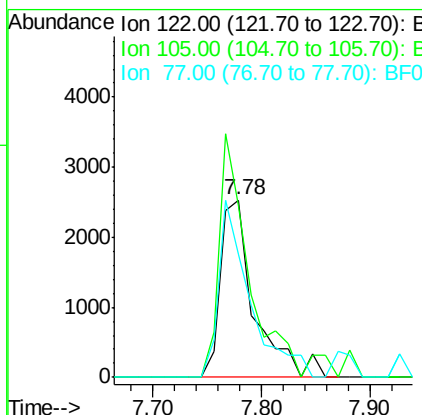
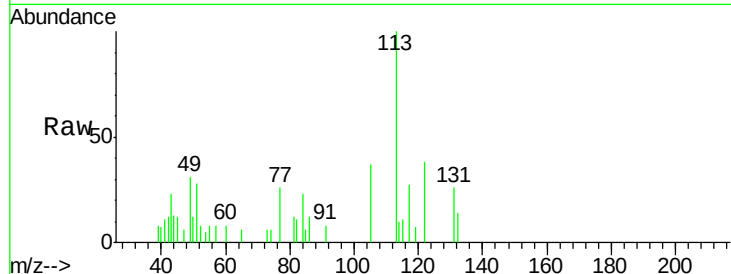




#32
Benzoic acid
Concen: 6.71 ng
RT: 7.78 min Scan# 498
Delta R.T. -0.11 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

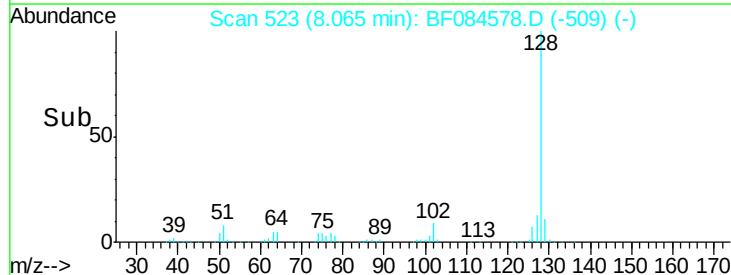
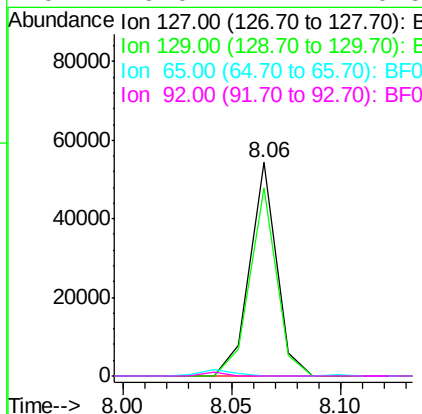
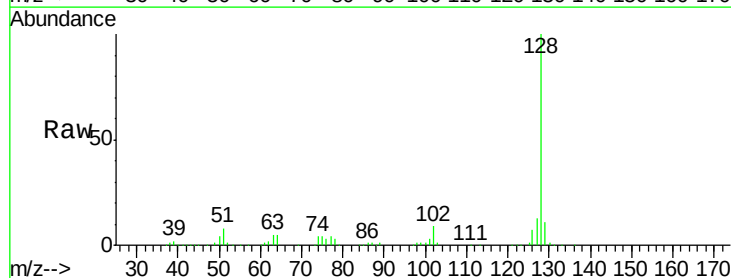
Instrument :
BNA_F
ClientSampleId :
SULFURCAKE

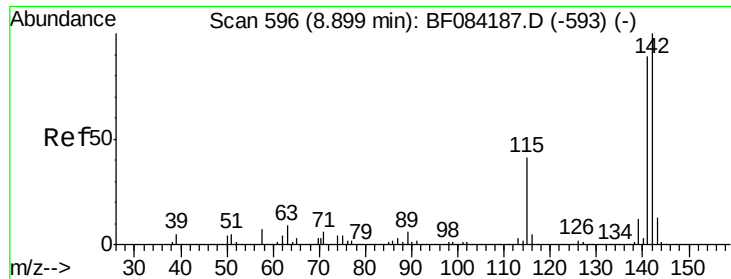
Tgt Ion:122 Resp: 5474
Ion Ratio Lower Upper
122 100
105 96.6 100.3 140.3#
77 69.5 63.5 103.5



#33
4-Chloroaniline
Concen: 2.33 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.14 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Tgt Ion:127 Resp: 46579
Ion Ratio Lower Upper
127 100
129 87.9 26.5 39.7#
65 0.0 27.2 40.8#
92 0.0 17.7 26.5#

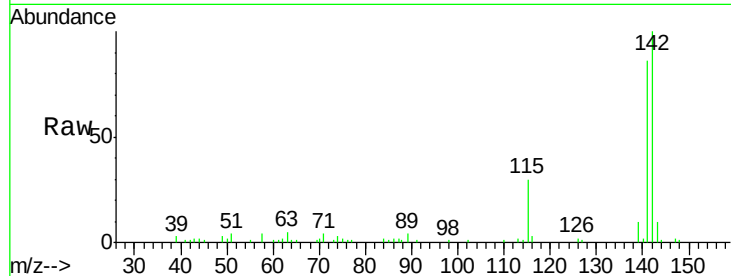




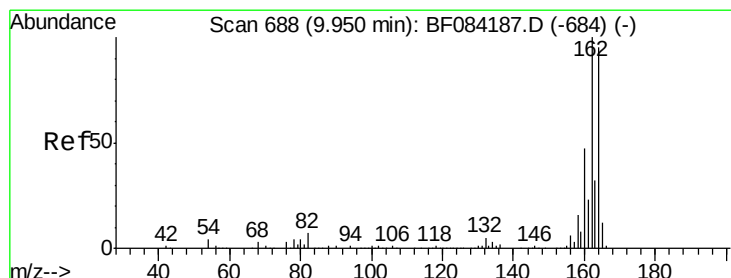
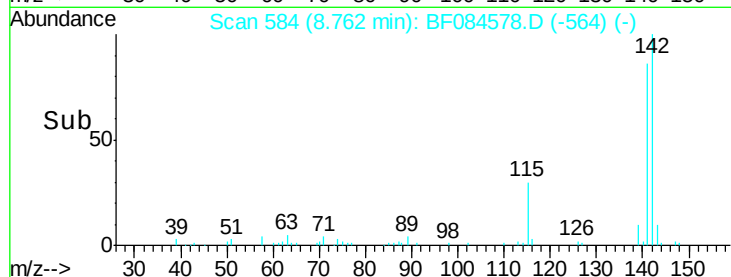
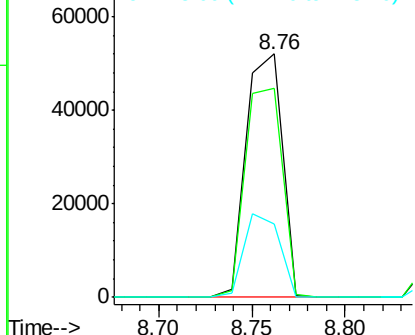
#37
2-Methylnaphthalene
Concen: 2.25 ng
RT: 8.76 min Scan# 584
Delta R.T. -0.07 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Instrument :
BNA_F
ClientSampleId :
SULFURCAKE

Tgt Ion:142 Resp: 70247
Ion Ratio Lower Upper
142 100
141 85.9 72.4 108.6
115 30.3 27.9 41.9

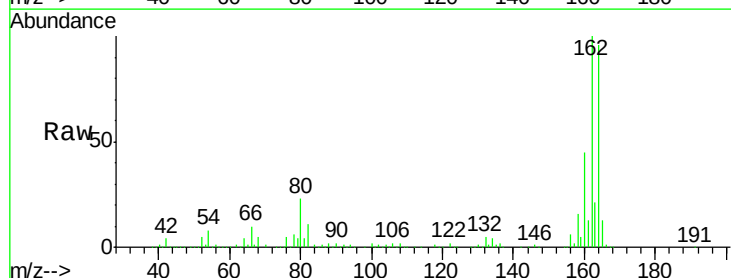


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

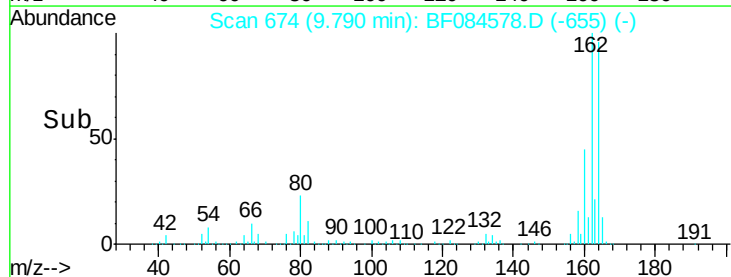
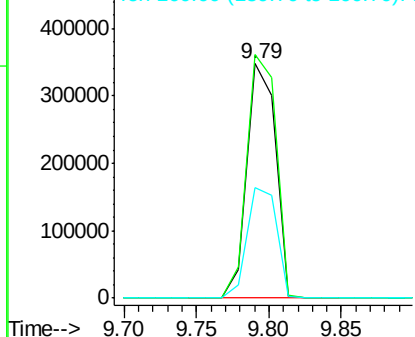


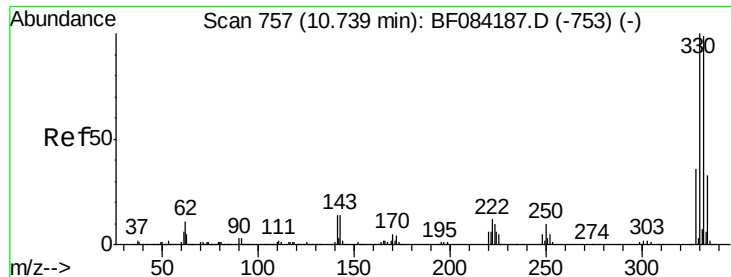
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.08 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Tgt Ion:164 Resp: 475036
Ion Ratio Lower Upper
164 100
162 104.0 85.1 127.7
160 47.0 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

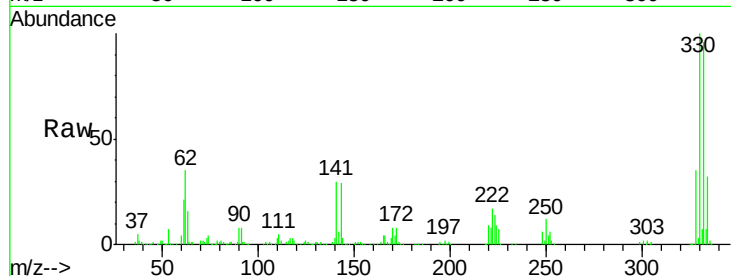




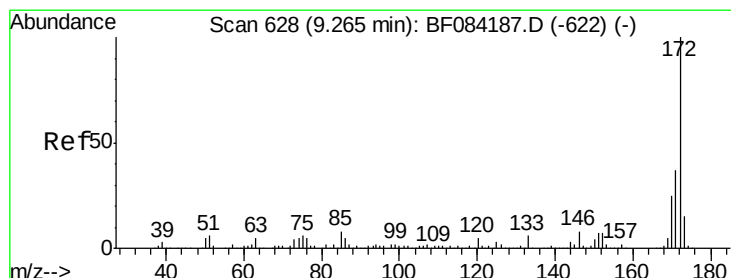
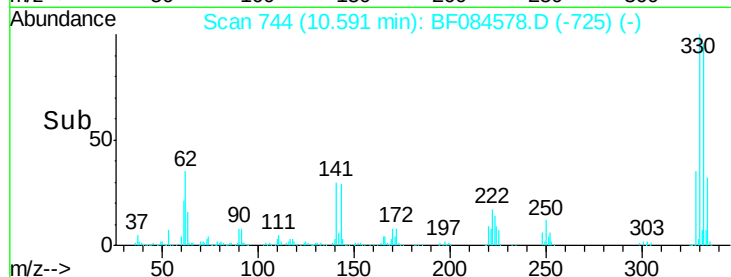
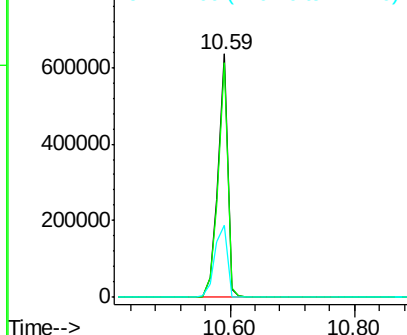
#41
 2,4,6-Tribromophenol
 Concen: 139.84 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.08 min
 Lab File: BF084578.D
 Acq: 21 Jan 2016 12:03

Instrument :
 BNA_F
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Tgt Ion:330 Resp: 670656
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.6 114.8
 141 38.5 27.8 41.6

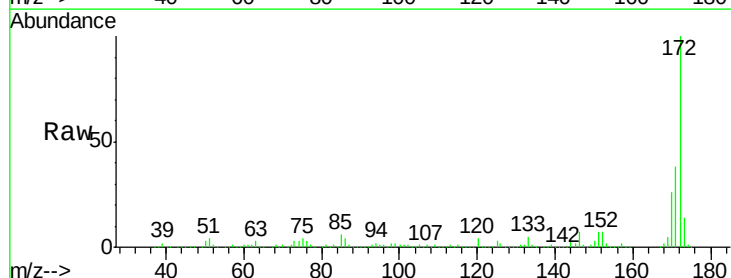


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

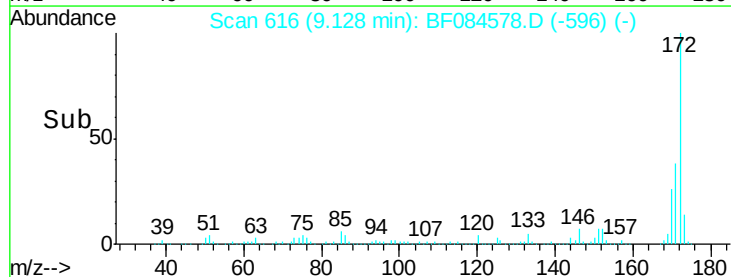
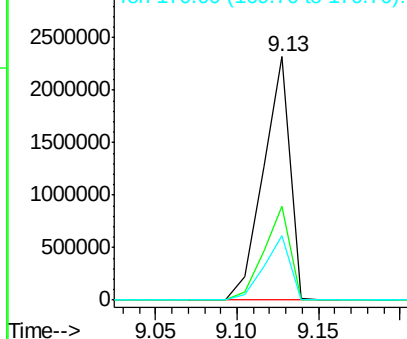


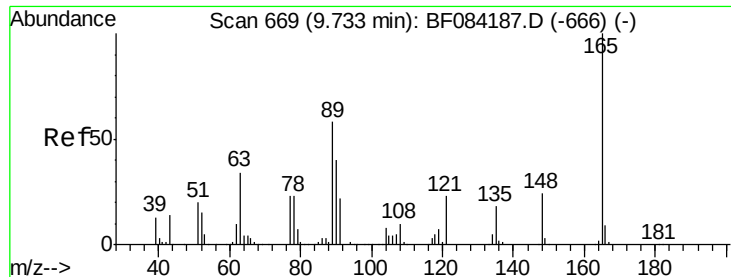
#44
 2-Fluorobiphenyl
 Concen: 98.42 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.07 min
 Lab File: BF084578.D
 Acq: 21 Jan 2016 12:03

Tgt Ion:172 Resp: 2630812
 Ion Ratio Lower Upper
 172 100
 171 38.3 28.9 43.3
 170 26.2 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

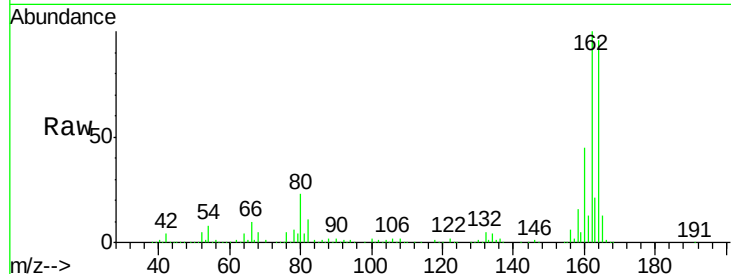




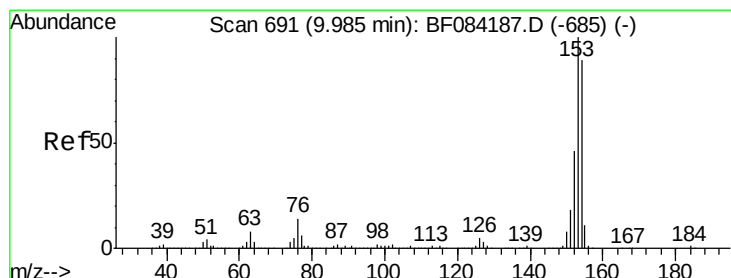
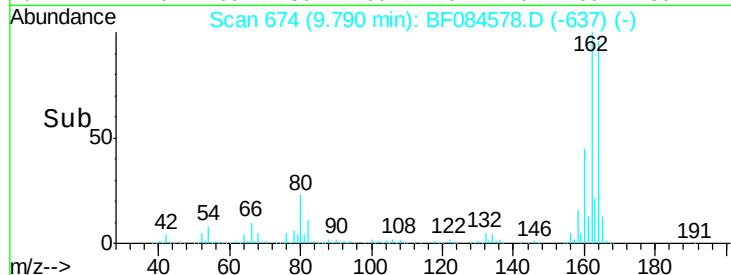
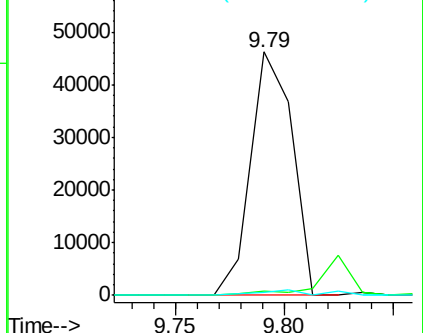
#50
 2,6-Dinitrotoluene
 Concen: 8.26 ng
 RT: 9.79 min Scan# 674
 Delta R.T. 0.13 min
 Lab File: BF084578.D
 Acq: 21 Jan 2016 12:03

Instrument :
 BNA_F
 ClientSampleId :
 SULFURCAKE

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	28.8	43.2#
89	1.2	35.1	52.7#

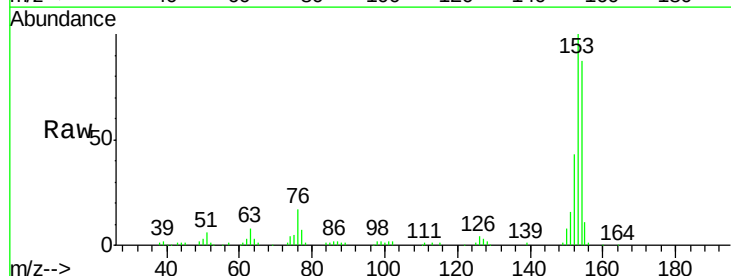


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

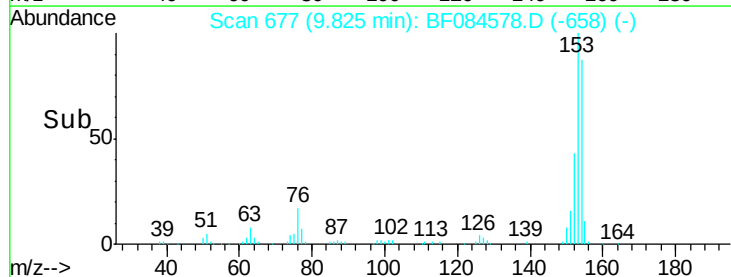
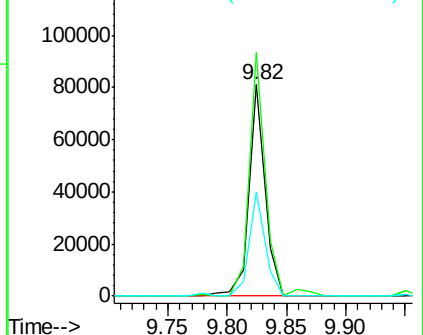


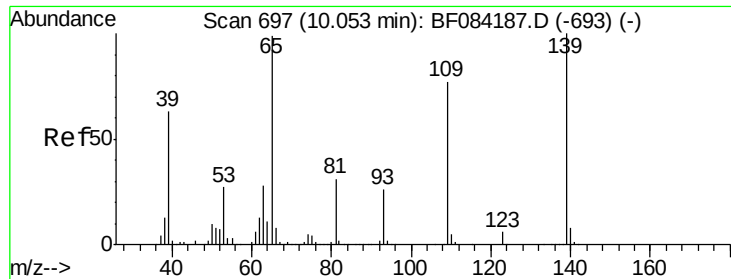
#51
 Acenaphthene
 Concen: 2.63 ng
 RT: 9.82 min Scan# 677
 Delta R.T. -0.08 min
 Lab File: BF084578.D
 Acq: 21 Jan 2016 12:03

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.1	91.5	137.3
152	48.9	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

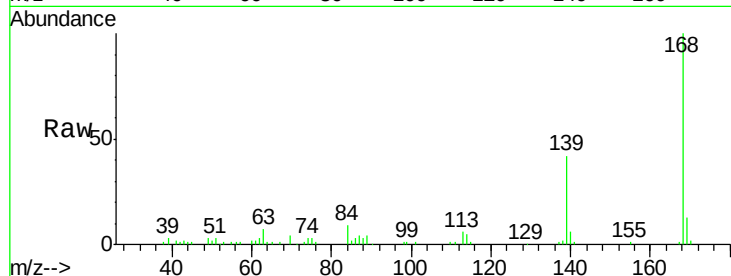




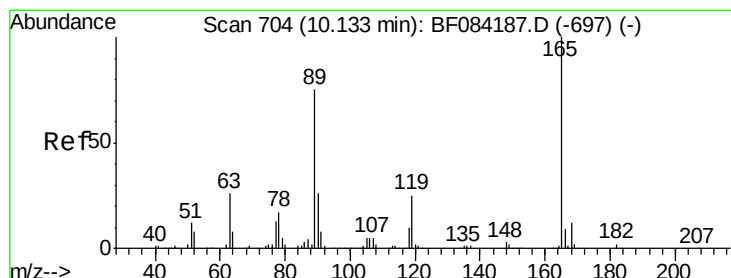
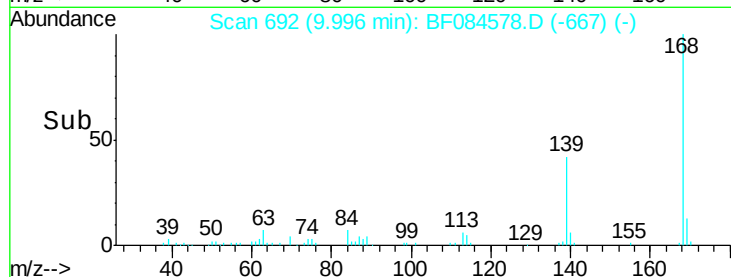
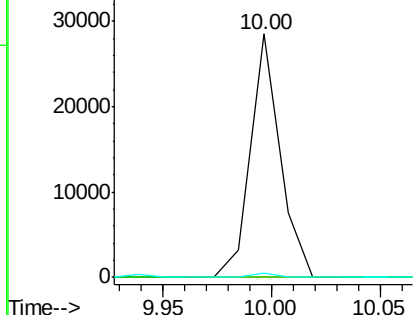
#55
4-Nitrophenol
Concen: 4.02 ng
RT: 10.00 min Scan# 692
Delta R.T. -0.01 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Instrument :
BNA_F
ClientSampleId :
SULFURCAKE

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	58.5	98.5#
65	1.9	57.6	97.6#



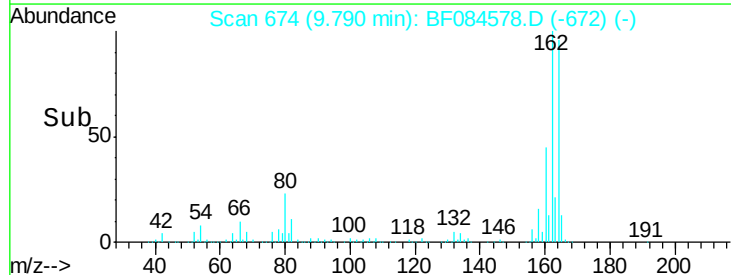
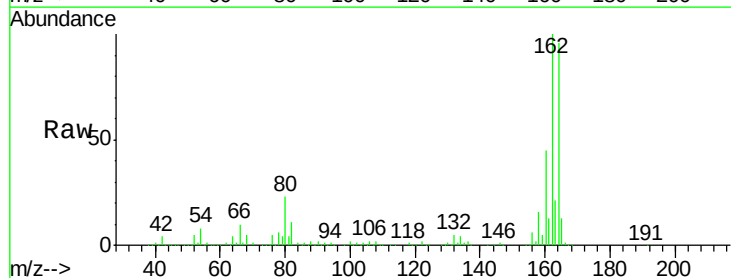
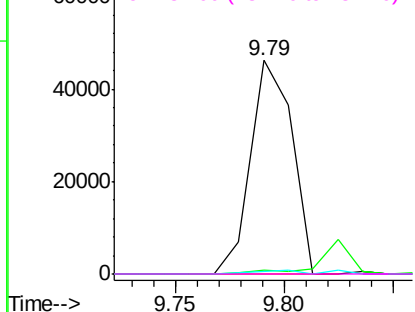
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

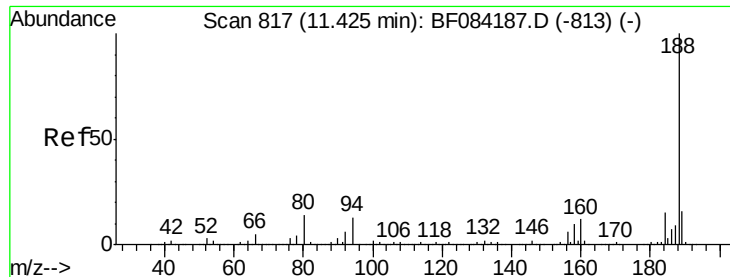


#56
2,4-Dinitrotoluene
Concen: 6.53 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.27 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.7	55.1#
89	1.2	61.9	92.9#
182	0.0	2.0	3.0#

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

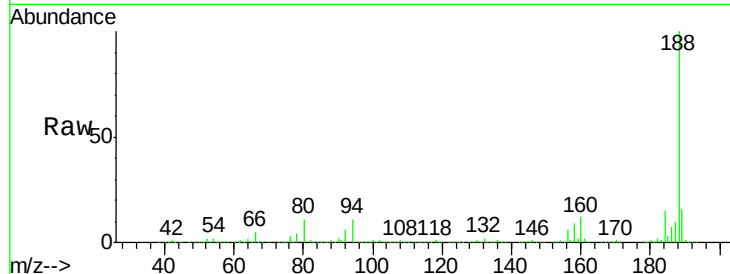




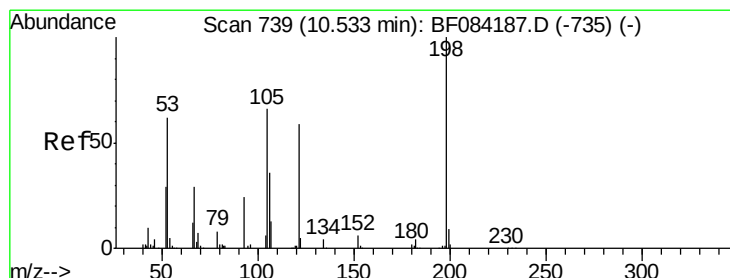
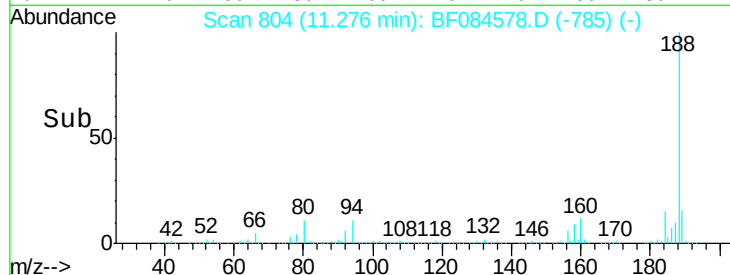
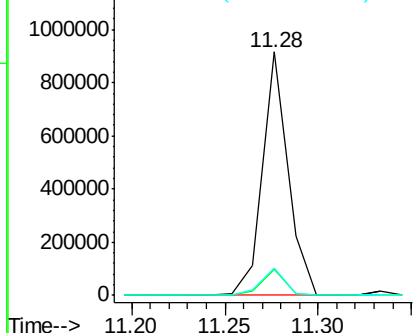
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.08 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Instrument :
BNA_F
ClientSampleId :
SULFURCAKE

Tgt Ion:188 Resp: 864009
Ion Ratio Lower Upper
188 100
94 10.7 9.0 13.4
80 11.5 9.6 14.4

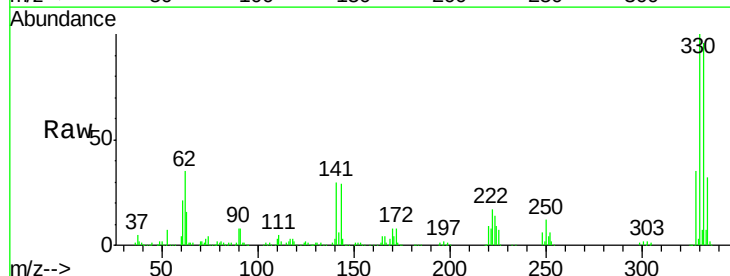


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

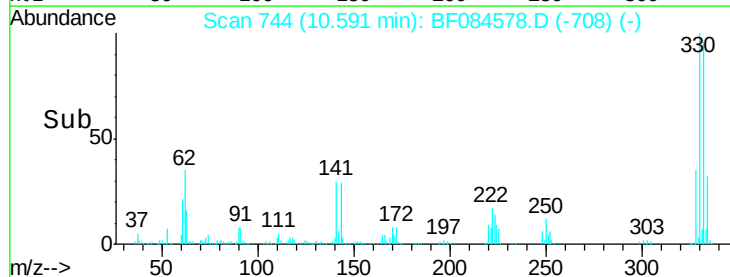
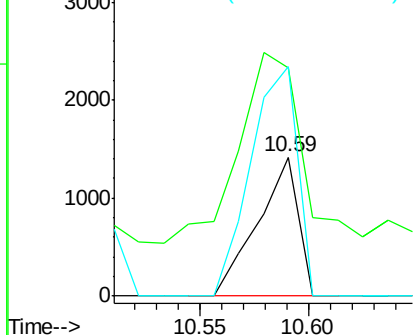


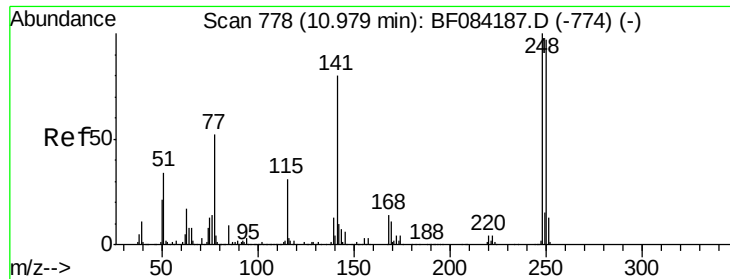
#64
4,6-Dinitro-2-methylphenol
Concen: 6.68 ng
RT: 10.59 min Scan# 744
Delta R.T. 0.11 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Tgt Ion:198 Resp: 1848
Ion Ratio Lower Upper
198 100
51 163.8 18.9 58.9#
105 164.5 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: 4.59 ng

RT: 10.59 min Scan# 744

Delta R.T. -0.32 min

Lab File: BF084578.D

Acq: 21 Jan 2016 12:03

Instrument :

BNA_F

ClientSampleId :

SULFURCAKE

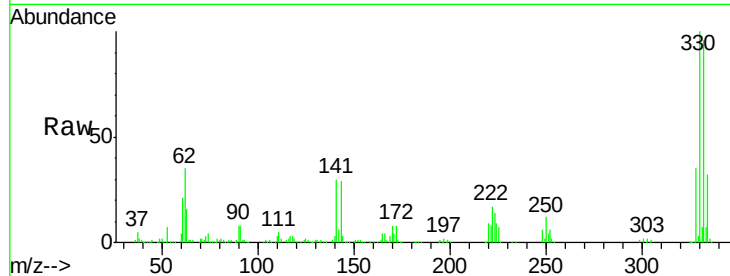
Tgt Ion:248 Resp: 42669

Ion Ratio Lower Upper

248 100

250 206.0 78.4 117.6#

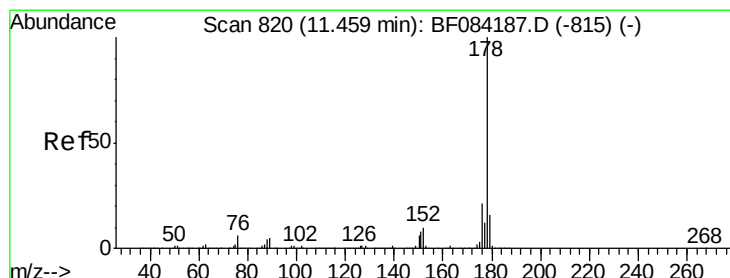
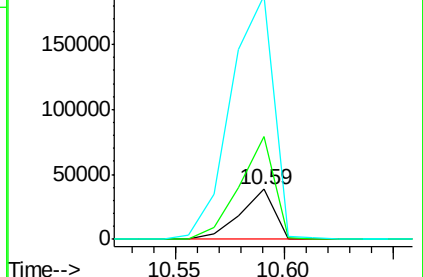
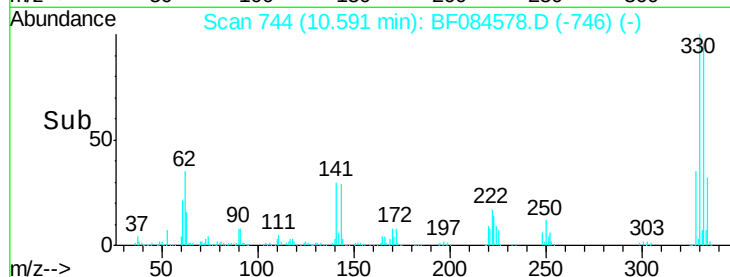
141 487.5 44.0 66.0#



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: 2.72 ng

RT: 11.30 min Scan# 806

Delta R.T. -0.08 min

Lab File: BF084578.D

Acq: 21 Jan 2016 12:03

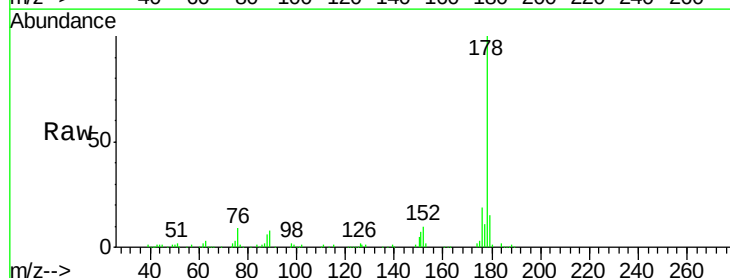
Tgt Ion:178 Resp: 123064

Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

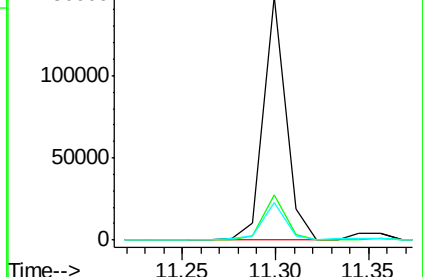
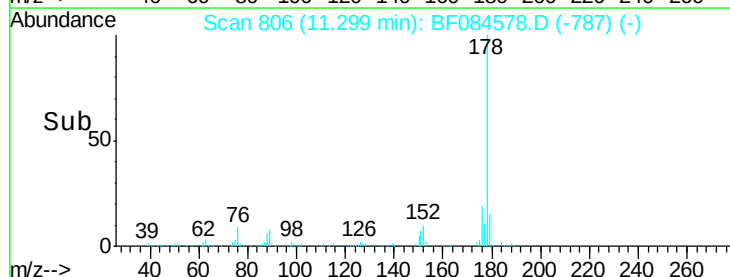
179 15.4 12.0 18.0

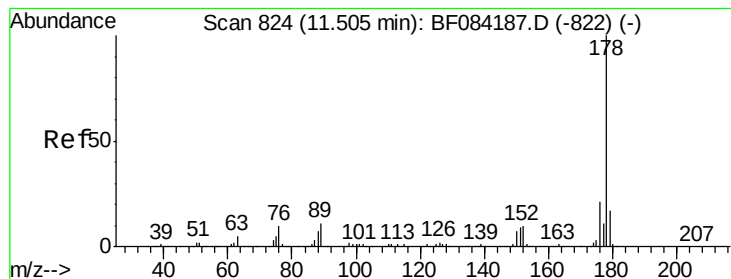


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.78 ng

RT: 11.30 min Scan# 806

Delta R.T. -0.14 min

Lab File: BF084578.D

Acq: 21 Jan 2016 12:03

Instrument :

BNA_F

ClientSampleId :

SULFURCAKE

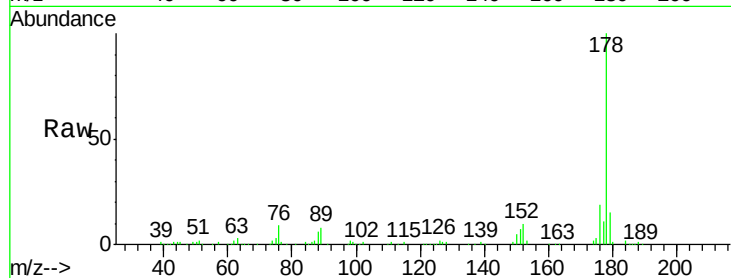
Tgt Ion:178 Resp: 123064

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.0

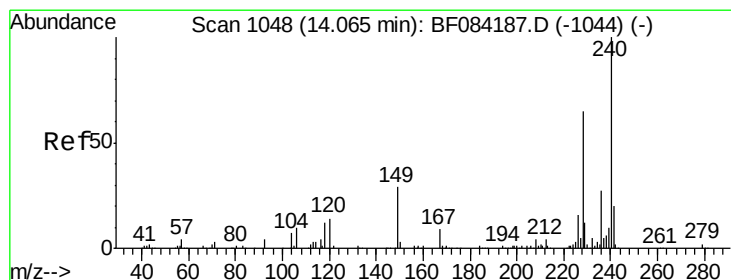
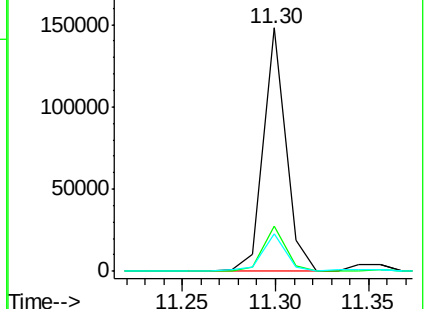
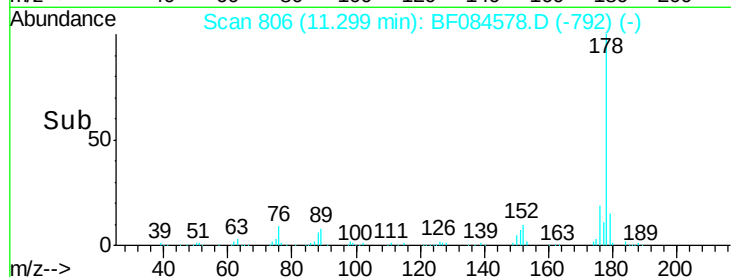
179 15.4 12.5 18.7



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: 13.92 min Scan# 1035

Delta R.T. -0.08 min

Lab File: BF084578.D

Acq: 21 Jan 2016 12:03

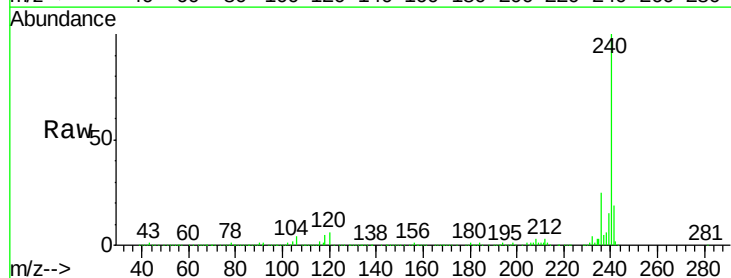
Tgt Ion:240 Resp: 800629

Ion Ratio Lower Upper

240 100

120 6.2 9.5 14.3#

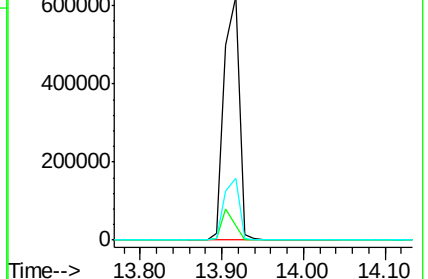
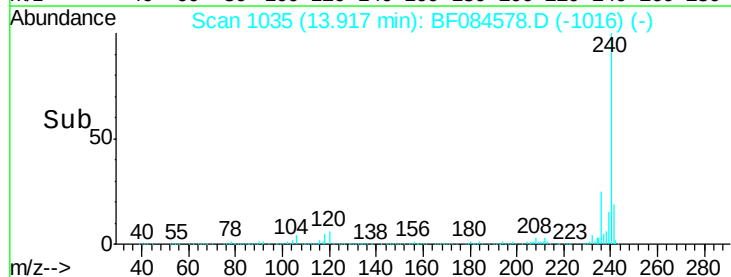
236 25.3 20.6 31.0

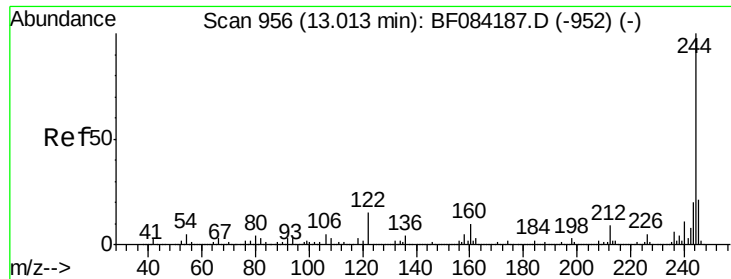


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

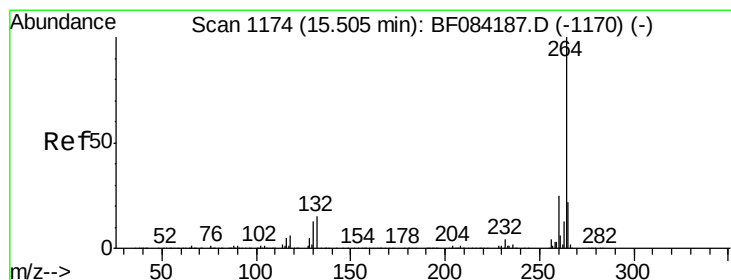
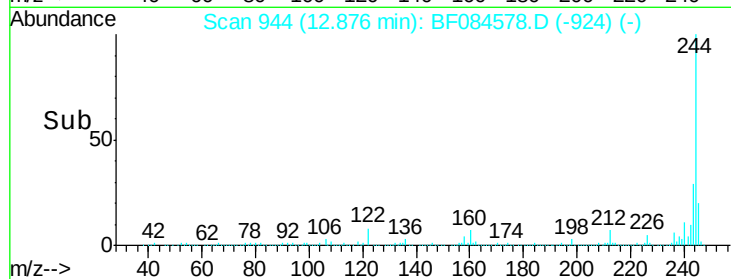
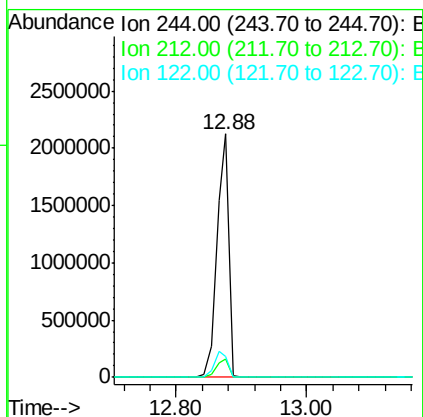
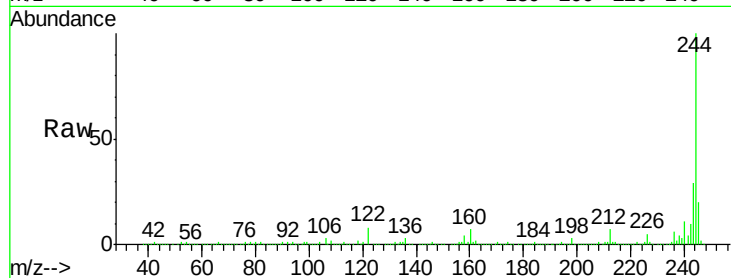




#78
 Terphenyl-d14
 Concen: 76.40 ng
 RT: 12.88 min Scan# 944
 Delta R.T. -0.07 min
 Lab File: BF084578.D
 Acq: 21 Jan 2016 12:03

Instrument :
 BNA_F
 ClientSampleId :
 SULFURCAKE

Tgt Ion:244 Resp: 2740232
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.7 8.5
 122 8.4 7.4 11.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.31 min Scan# 1157
 Delta R.T. -0.10 min
 Lab File: BF084578.D
 Acq: 21 Jan 2016 12:03

Tgt Ion:264 Resp: 589257
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.4 29.2
 265 21.7 17.8 26.6

