

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013016\
 Data File : BF084681.D
 Acq On : 30 Jan 2016 12:59
 Operator : SJ/IZ
 Sample : H1272-06
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B013(10-12.5)

Quant Time: Feb 01 00:26:29 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 29 12:54:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	166257	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	628226	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	248191	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	408777	20.00	ng	0.00
75) Chrysene-d12	13.87	240	330573	20.00	ng	0.00
86) Perylene-d12	15.27	264	361856	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	830962	75.45	ng	0.01
7) Phenol-d6	6.37	99	1173001	88.86	ng	0.00
23) Nitrobenzene-d5	7.29	82	688255	61.23	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	113899	43.79	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1273811	76.29	ng	0.00
78) Terphenyl-d14	12.83	244	809856	55.33	ng	0.00

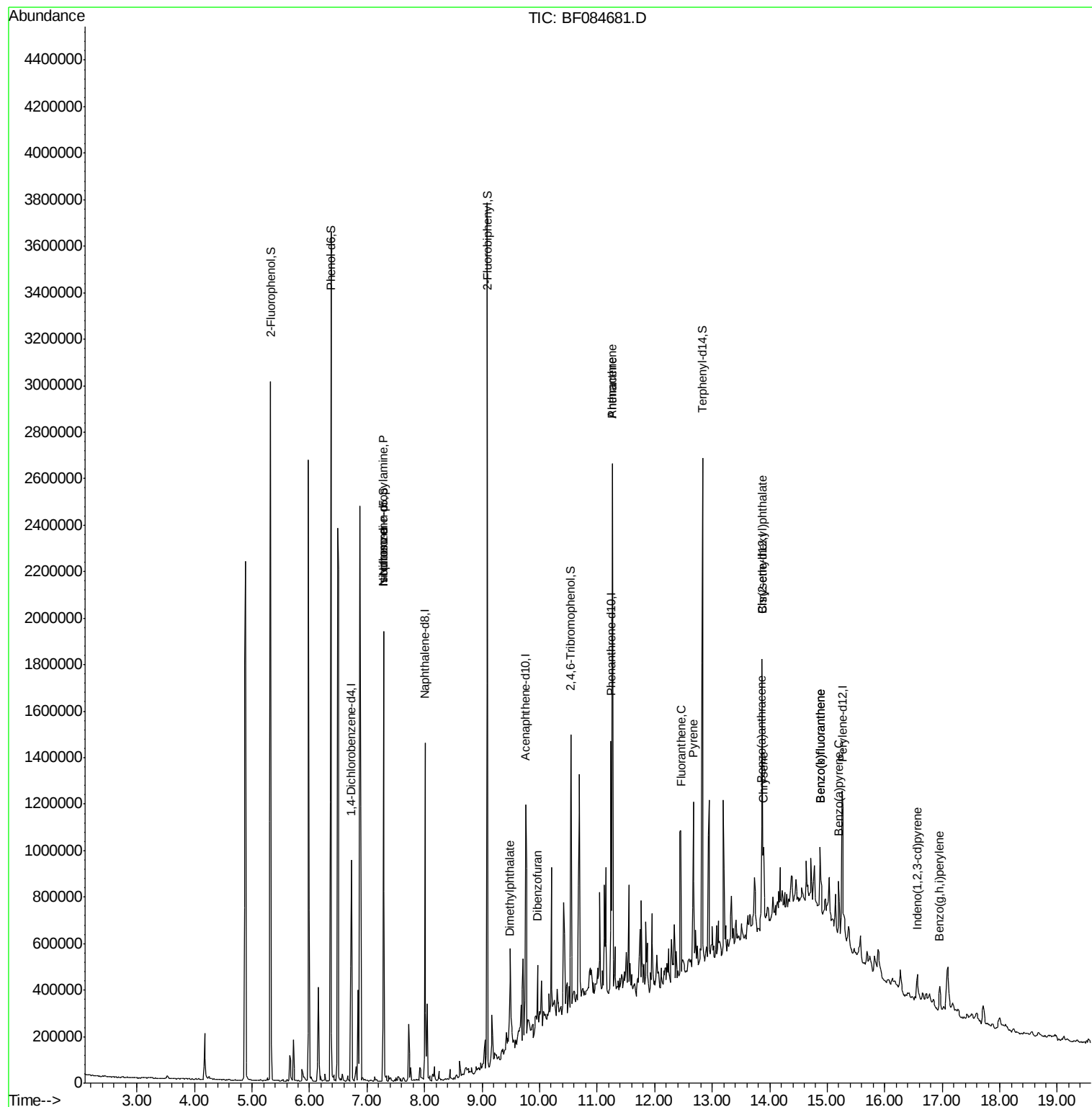
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	92994	11.53	ng	# 67
25) Isophorone	7.29	82	639150	30.35	ng	# 66
49) Dimethylphthalate	9.48	163	108439	5.82	ng	# 90
54) Dibenzofuran	9.96	168	40813	2.03	ng	# 89
70) Phenanthrene	11.26	178	773258	34.21	ng	98
71) Anthracene	11.26	178	773258	33.65	ng	98
74) Fluoranthene	12.45	202	383861	17.18	ng	93
77) Pyrene	12.67	202	356334	14.29	ng	98
80) Benzo(a)anthracene	13.86	228	146761	7.12	ng	97
82) Chrysene	13.89	228	109744	5.40	ng	97
83) Bis(2-ethylhexyl)phthalate	13.87	149	32472	2.35	ng	# 91
85) Indeno(1,2,3-cd)pyrene	16.57	276	72613	4.04	ng	98
87) Benzo(b)fluoranthene	14.88	252	188137	8.03	ng	# 93
88) Benzo(k)fluoranthene	14.88	252	188137	9.72	ng	# 94
89) Benzo(a)pyrene	15.20	252	106618	5.26	ng	# 87
91) Benzo(g,h,i)perylene	16.96	276	76920	4.17	ng	99

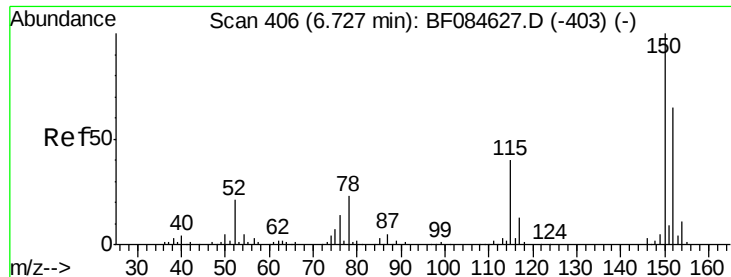
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.00 min

Lab File: BF084681.D

Acq: 30 Jan 2016 12:59

Instrument :

BNA_F

ClientSampleId :

SUP-B013(10-12.5)

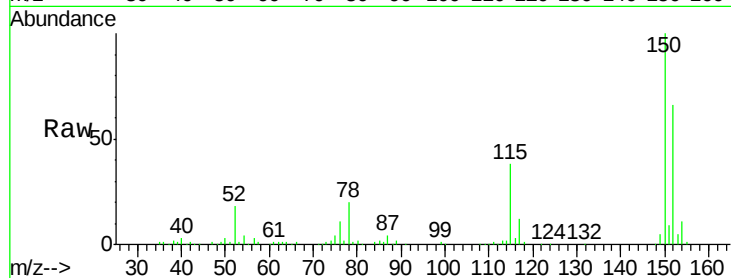
Tgt Ion:152 Resp: 166257

Ion Ratio Lower Upper

152 100

150 152.5 123.0 184.4

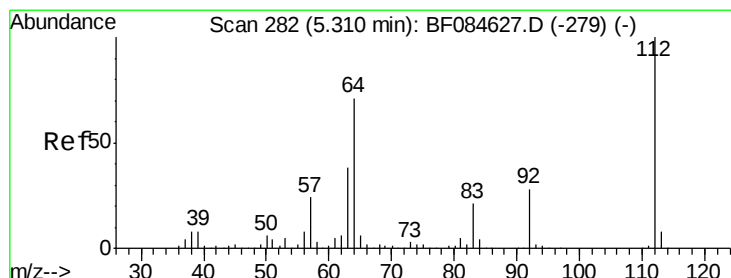
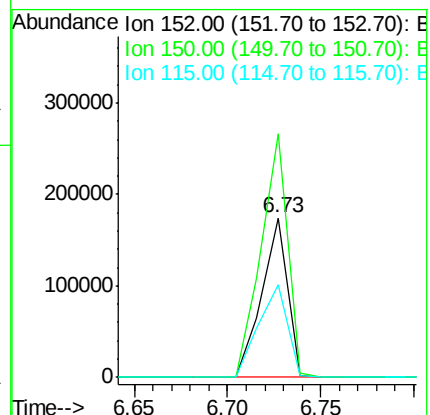
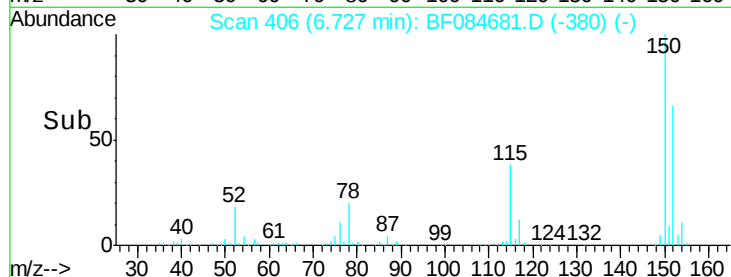
115 58.0 51.4 77.2



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: 75.45 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.01 min

Lab File: BF084681.D

Acq: 30 Jan 2016 12:59

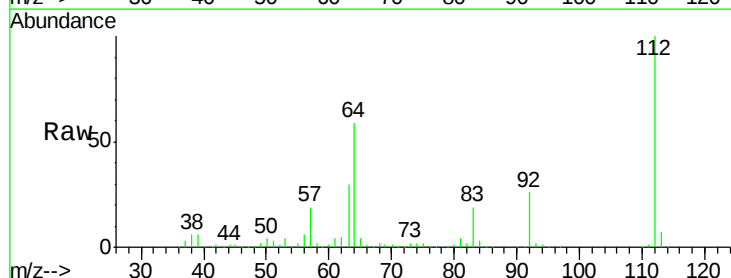
Tgt Ion:112 Resp: 830962

Ion Ratio Lower Upper

112 100

64 58.9 36.6 55.0#

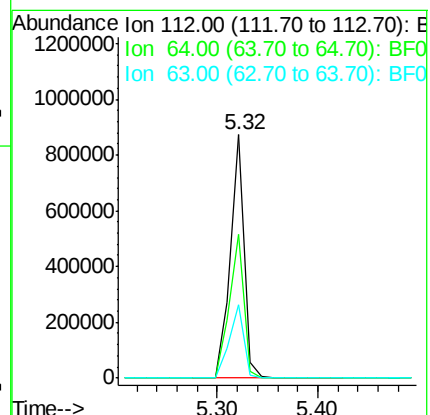
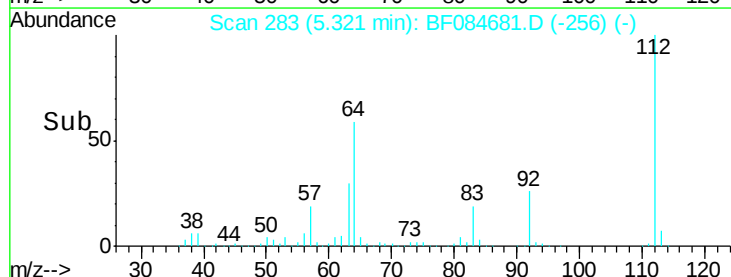
63 30.1 19.4 29.0#

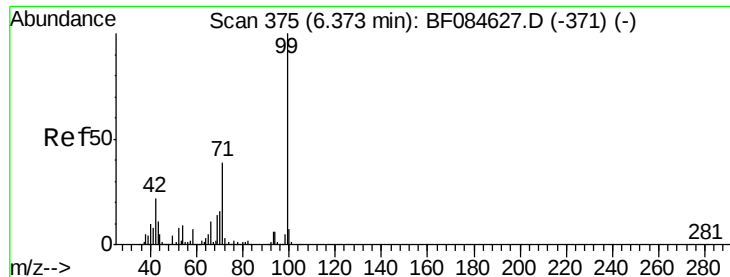


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 88.86 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF084681.D

Acq: 30 Jan 2016 12:59

Instrument :

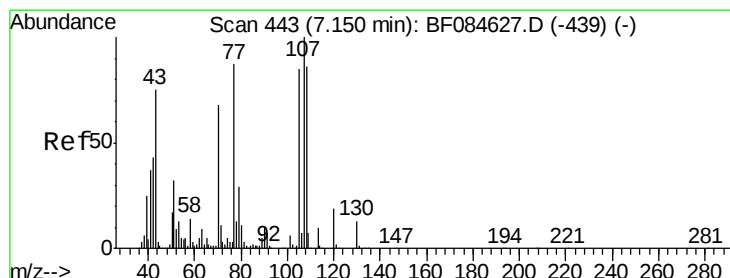
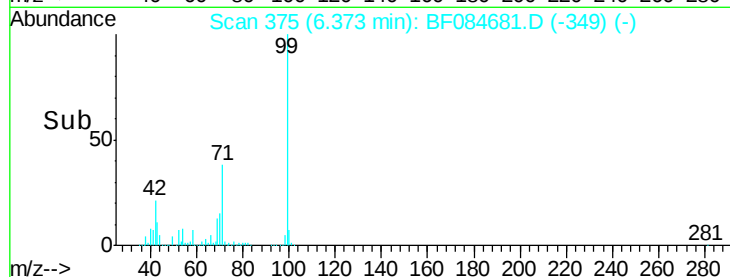
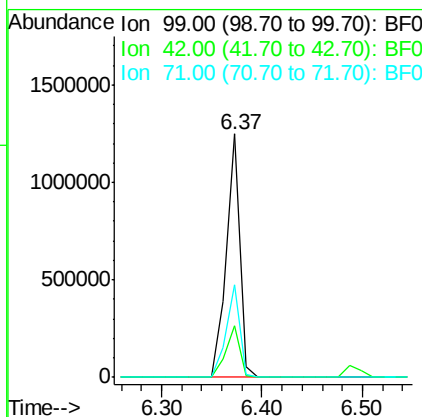
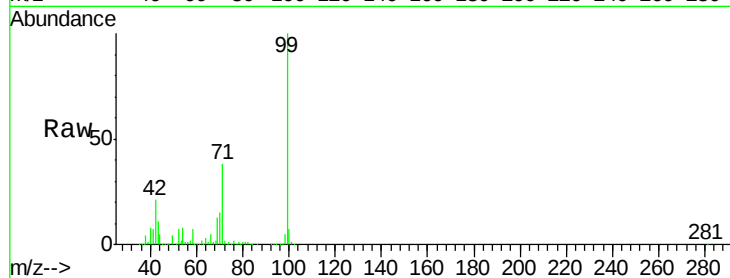
BNA_F

ClientSampleId :

SUP-B013(10-12.5)

Tgt Ion: 99 Resp: 1173001

Ion	Ratio	Lower	Upper
99	100		
42	21.0	12.8	19.2#
71	37.8	30.9	46.3



#19

n-Nitroso-di-n-propylamine

Concen: 11.53 ng

RT: 7.29 min Scan# 455

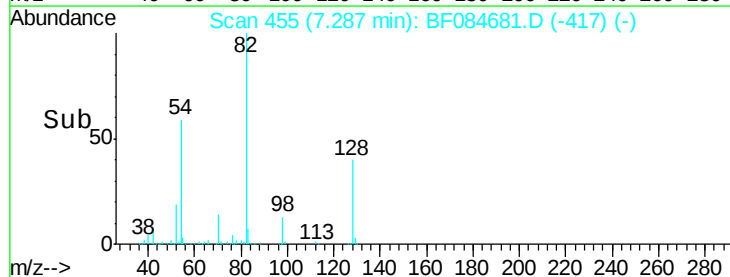
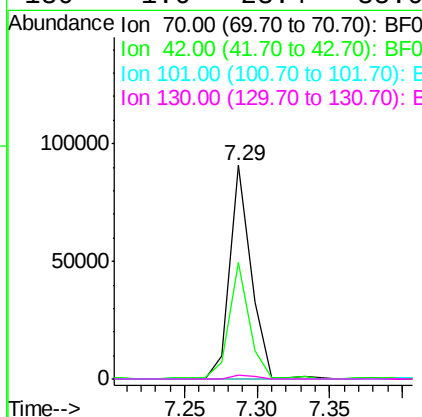
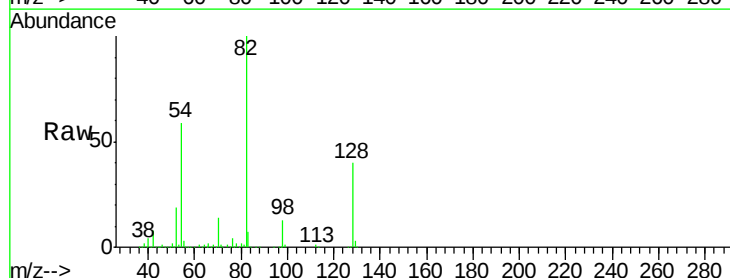
Delta R.T. 0.14 min

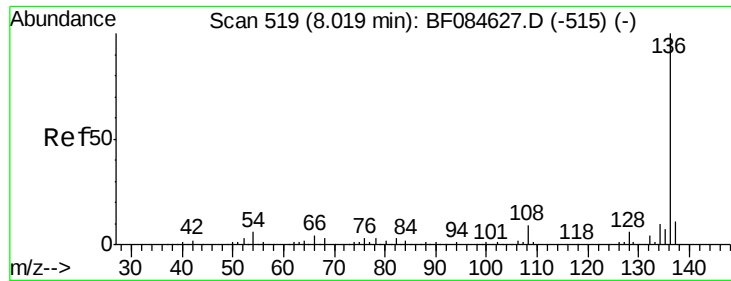
Lab File: BF084681.D

Acq: 30 Jan 2016 12:59

Tgt Ion: 70 Resp: 92994

Ion	Ratio	Lower	Upper
70	100		
42	54.5	33.3	49.9#
101	0.0	9.3	13.9#
130	1.6	23.4	35.0#

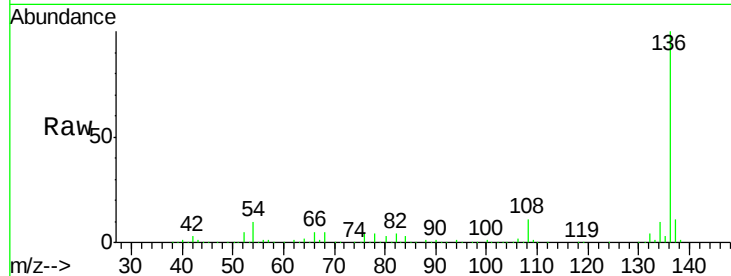




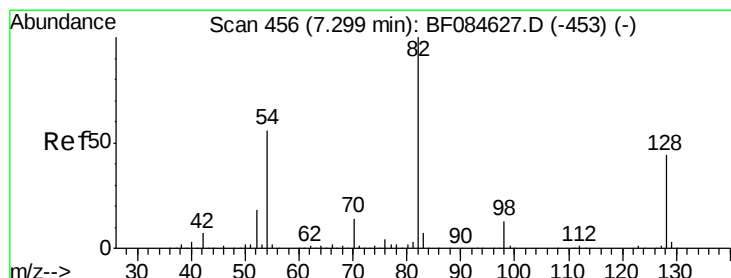
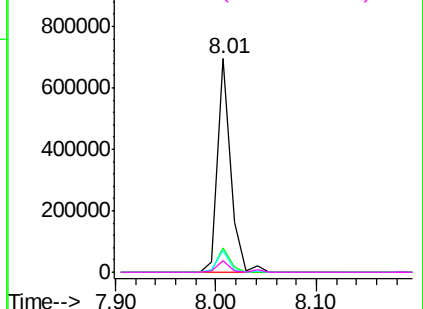
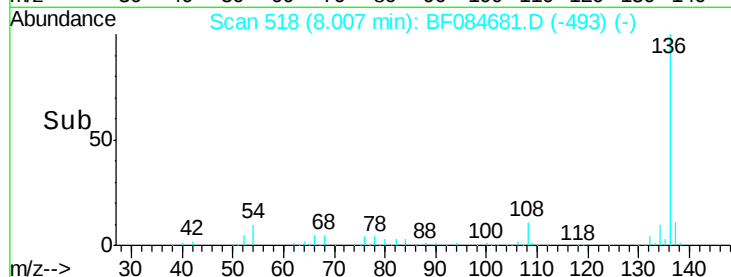
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF084681.D
Acq: 30 Jan 2016 12:59

Instrument :
BNA_F
ClientSampleId :
SUP-B013(10-12.5)

Tgt Ion: 136 Resp: 628226
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 10.2 5.8 8.8#
68 5.4 4.2 6.2

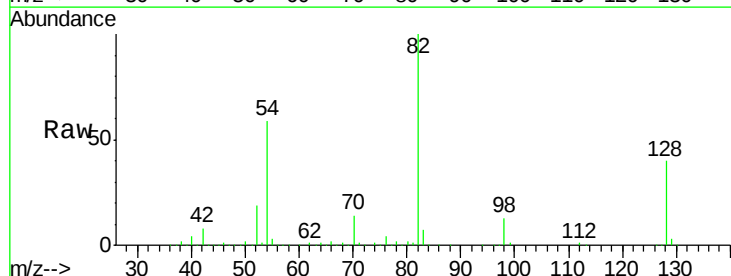


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

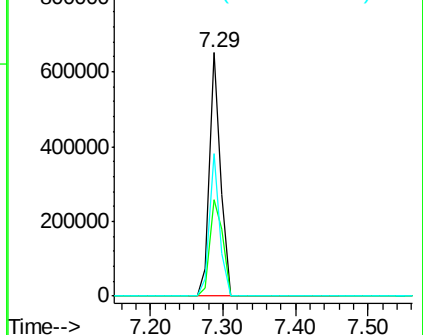
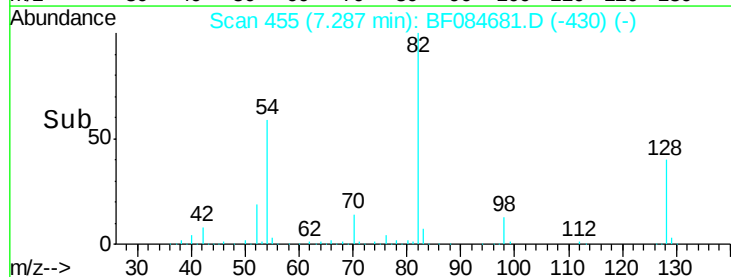


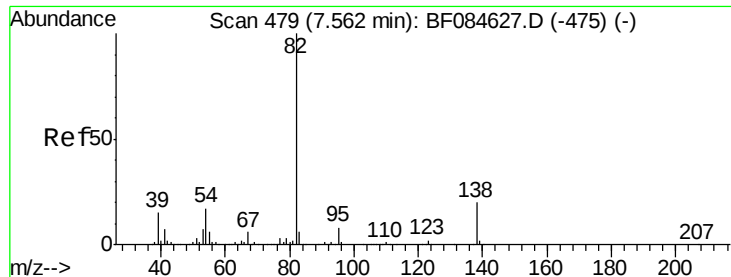
#23
Nitrobenzene-d5
Concen: 61.23 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF084681.D
Acq: 30 Jan 2016 12:59

Tgt Ion: 82 Resp: 688255
Ion Ratio Lower Upper
82 100
128 39.8 34.6 51.8
54 58.7 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: 30.35 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.27 min

Lab File: BF084681.D

Acq: 30 Jan 2016 12:59

Instrument :

BNA_F

ClientSampleId :

SUP-B013(10-12.5)

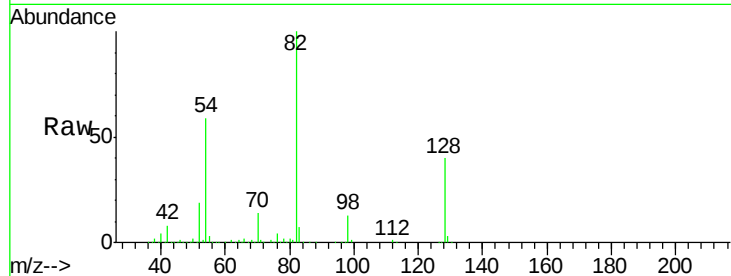
Tgt Ion: 82 Resp: 639150

Ion Ratio Lower Upper

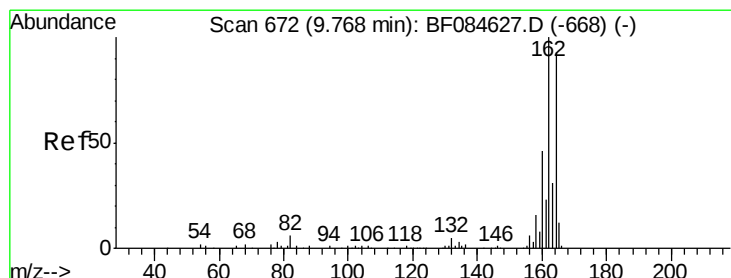
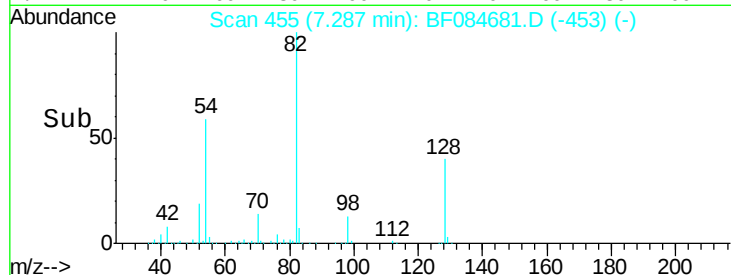
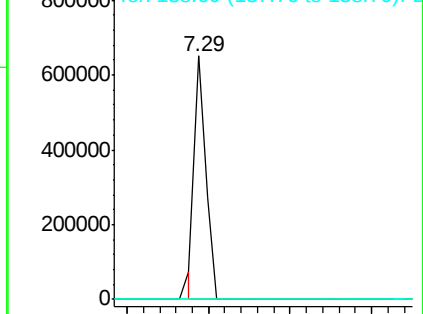
82 100

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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF084681.D

Acq: 30 Jan 2016 12:59

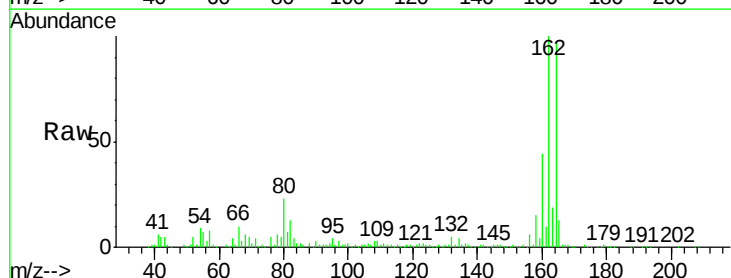
Tgt Ion: 164 Resp: 248191

Ion Ratio Lower Upper

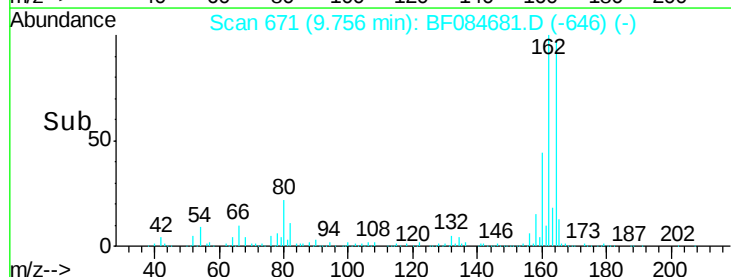
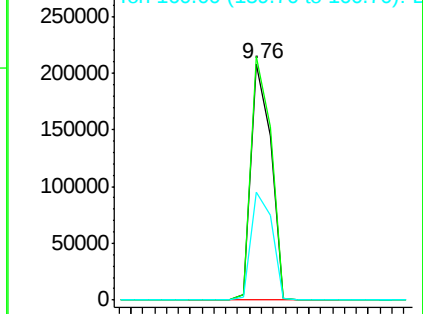
164 100

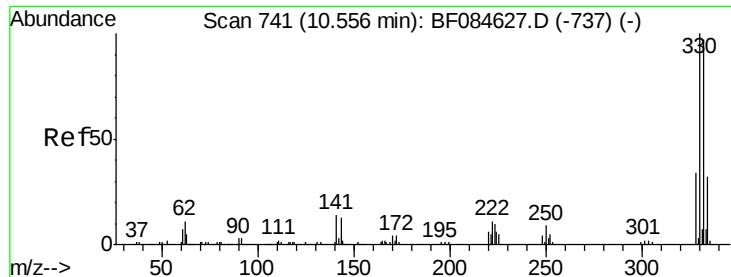
162 103.0 85.1 127.7

160 45.7 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

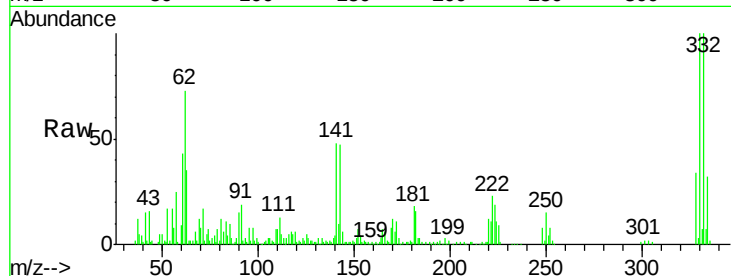




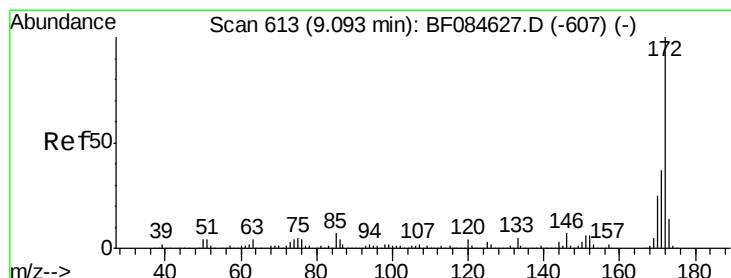
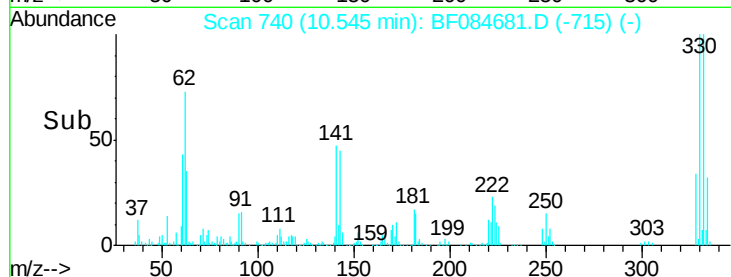
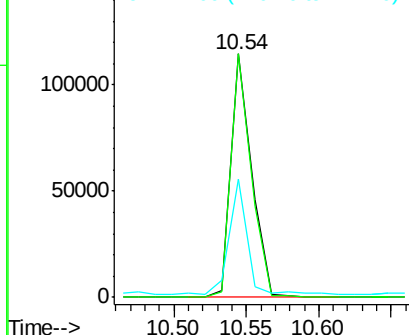
#41
 2,4,6-Tribromophenol
 Concen: 43.79 ng
 RT: 10.54 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF084681.D
 Acq: 30 Jan 2016 12:59

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B013(10-12.5)

Tgt Ion	Resp	Lower	Upper
330	113899		
332	98.3	76.6	114.8
141	41.6	27.8	41.6

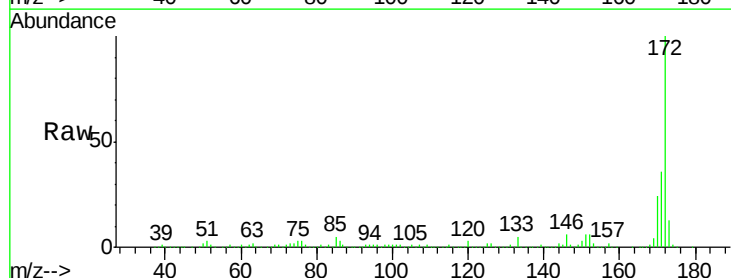


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

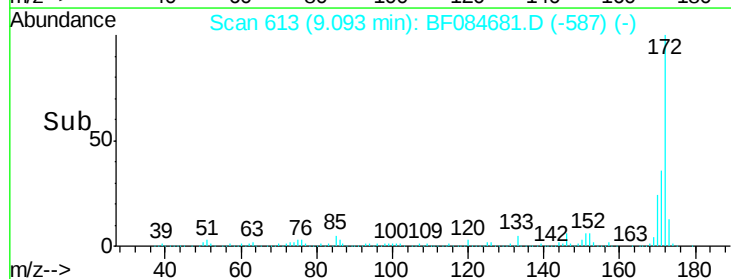
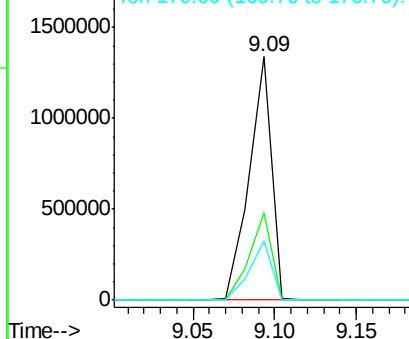


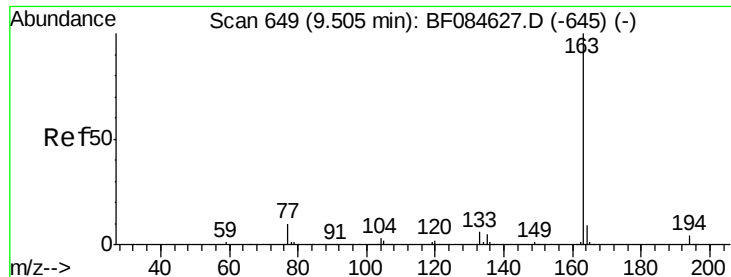
#44
 2-Fluorobiphenyl
 Concen: 76.29 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF084681.D
 Acq: 30 Jan 2016 12:59

Tgt Ion	Resp	Lower	Upper
172	1273811		
171	36.2	28.9	43.3
170	24.3	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





#49

Dimethylphthalate

Concen: 5.82 ng

RT: 9.48 min Scan# 647

Delta R.T. -0.02 min

Lab File: BF084681.D

Acq: 30 Jan 2016 12:59

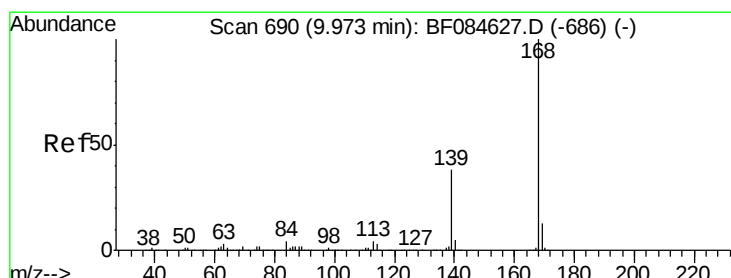
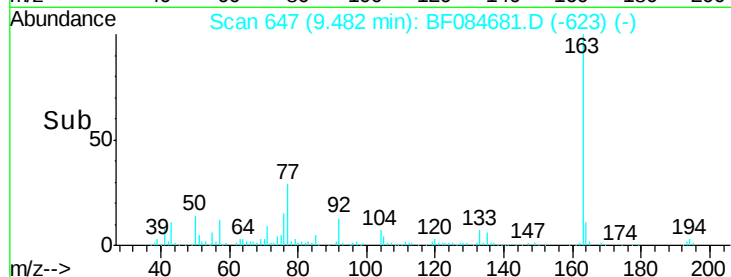
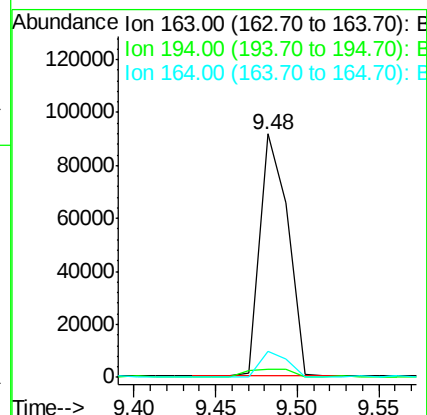
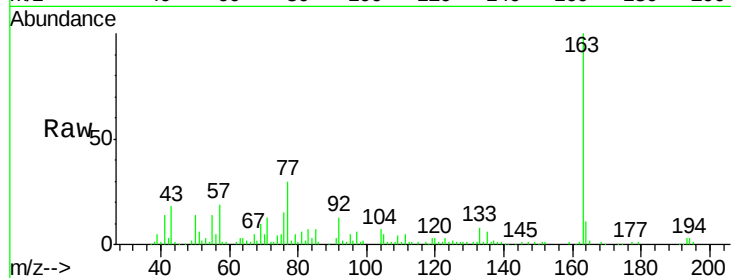
Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:	163	Resp:	108439
Ion Ratio	Lower	Upper	
163	100		
194	3.3	8.0	12.0#
164	10.8	8.0	12.0



#54

Dibenzofuran

Concen: 2.03 ng

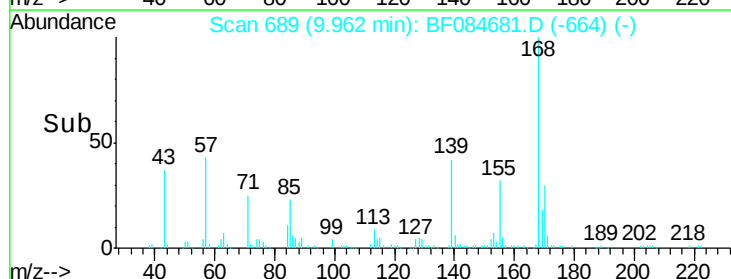
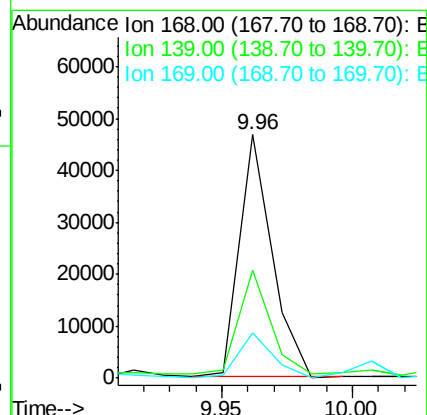
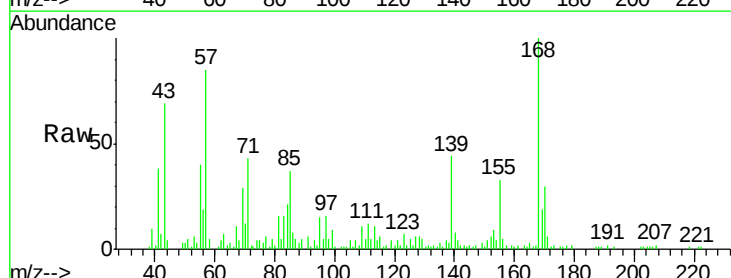
RT: 9.96 min Scan# 689

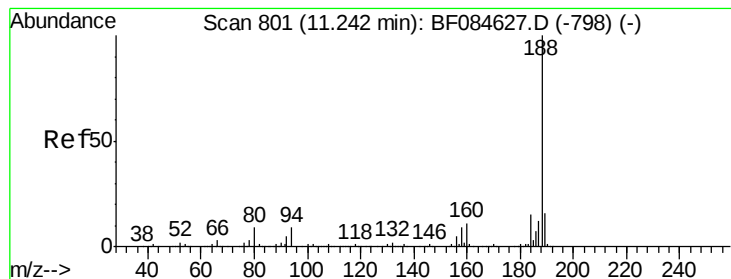
Delta R.T. -0.01 min

Lab File: BF084681.D

Acq: 30 Jan 2016 12:59

Tgt Ion:	168	Resp:	40813
Ion Ratio	Lower	Upper	
168	100		
139	44.1	30.5	45.7
169	18.8	10.4	15.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.24 min Scan# 801

Delta R.T. -0.00 min

Lab File: BF084681.D

Acq: 30 Jan 2016 12:59

Instrument :

BNA_F

ClientSampleId :

SUP-B013(10-12.5)

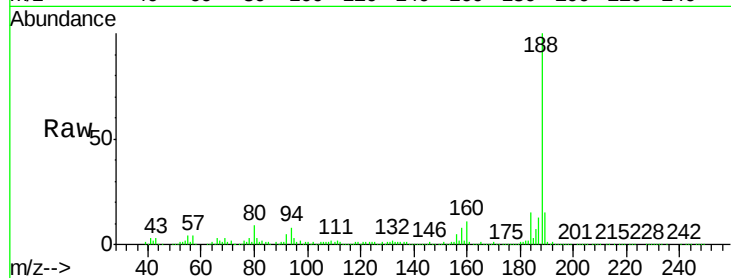
Tgt Ion:188 Resp: 408777

Ion Ratio Lower Upper

188 100

94 8.0 9.0 13.4#

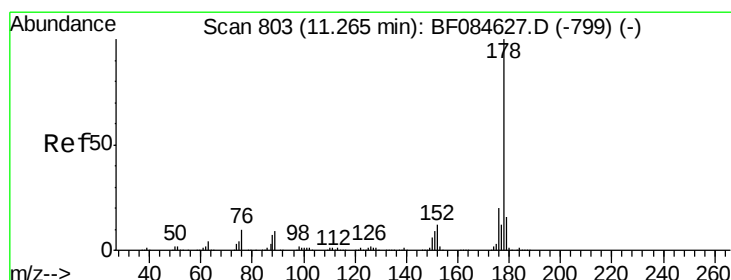
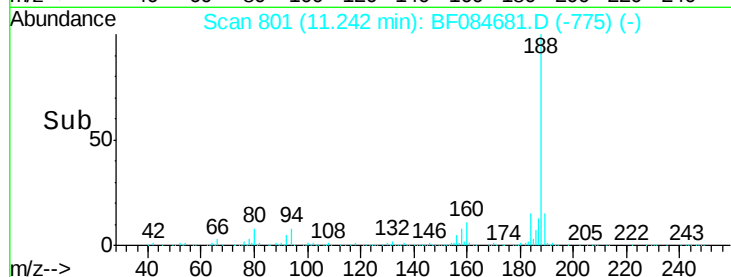
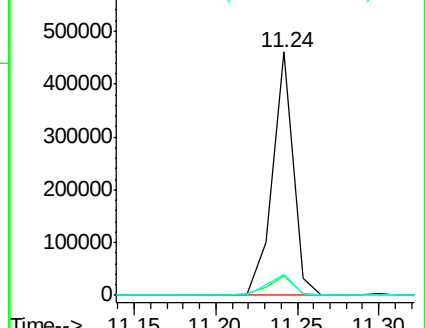
80 8.5 9.6 14.4#



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



#70

Phenanthrene

Concen: 34.21 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.00 min

Lab File: BF084681.D

Acq: 30 Jan 2016 12:59

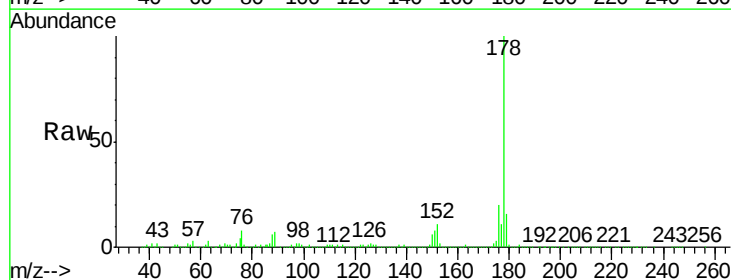
Tgt Ion:178 Resp: 773258

Ion Ratio Lower Upper

178 100

176 20.2 15.3 22.9

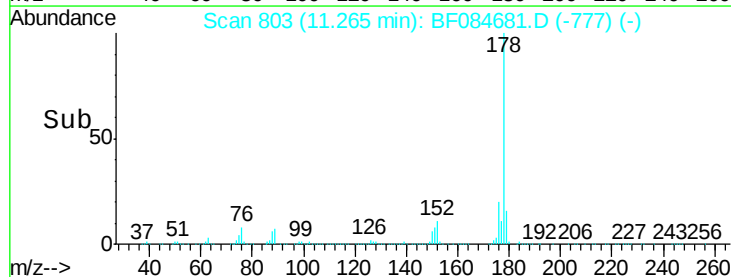
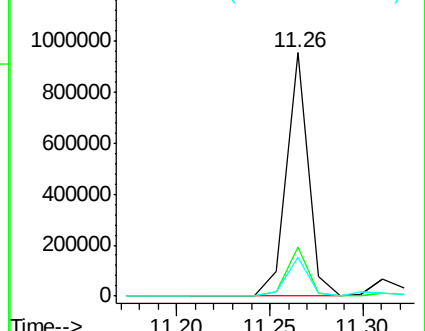
179 16.1 12.0 18.0

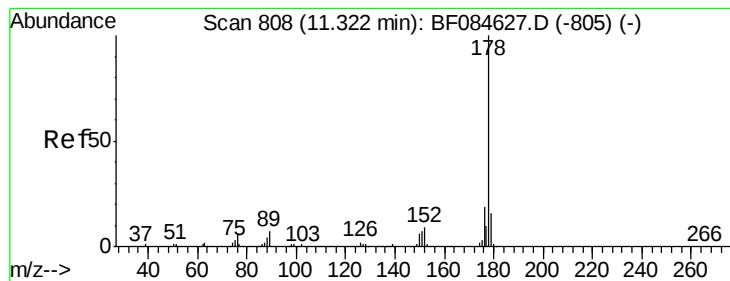


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 33.65 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.06 min

Lab File: BF084681.D

Acq: 30 Jan 2016 12:59

Instrument :

BNA_F

ClientSampleId :

SUP-B013(10-12.5)

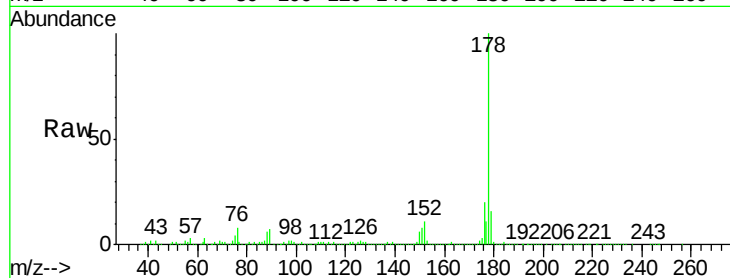
Tgt Ion:178 Resp: 773258

Ion Ratio Lower Upper

178 100

176 20.2 15.4 23.0

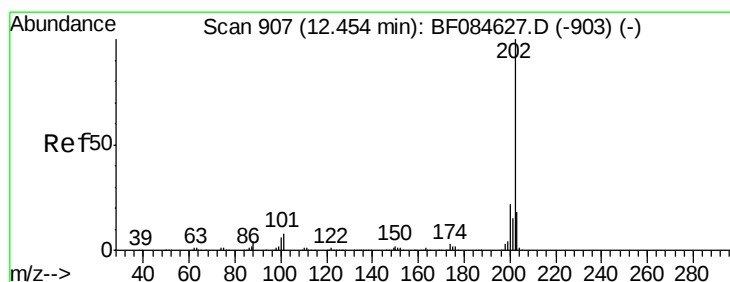
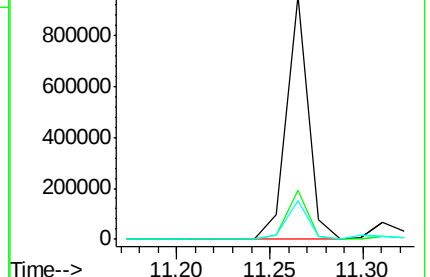
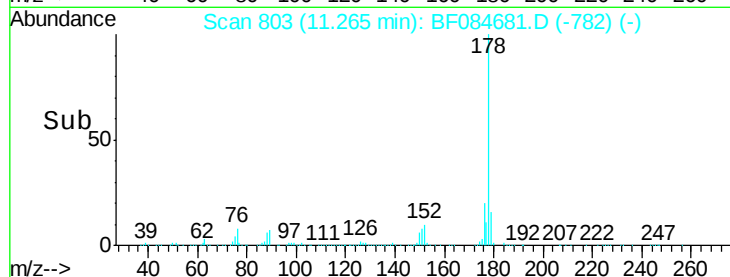
179 16.1 12.5 18.7



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



#74

Fluoranthene

Concen: 17.18 ng

RT: 12.45 min Scan# 907

Delta R.T. -0.00 min

Lab File: BF084681.D

Acq: 30 Jan 2016 12:59

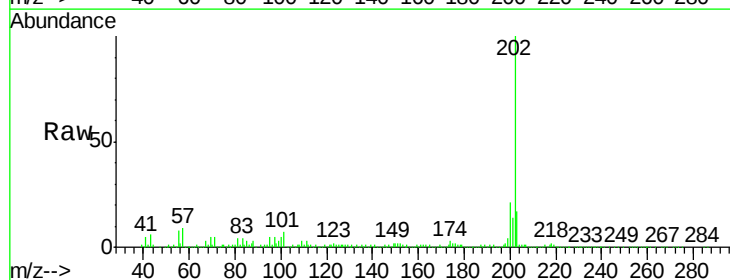
Tgt Ion:202 Resp: 383861

Ion Ratio Lower Upper

202 100

101 6.5 0.0 32.8

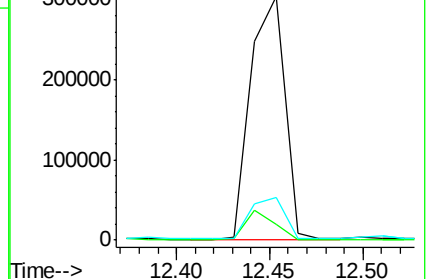
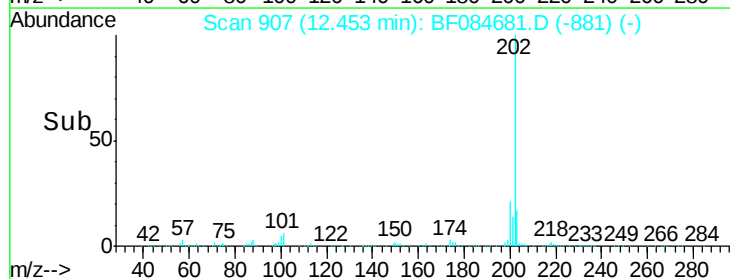
203 17.4 0.0 37.9

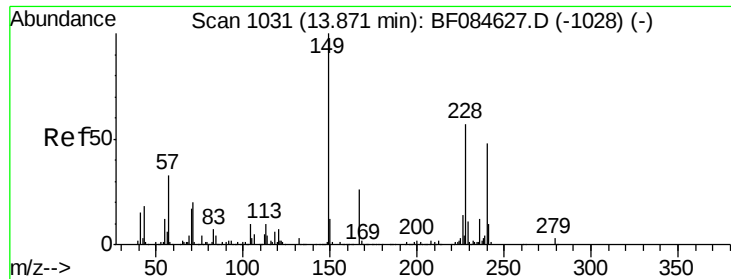


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF084681.D

Acq: 30 Jan 2016 12:59

Instrument :

BNA_F

ClientSampleId :

SUP-B013(10-12.5)

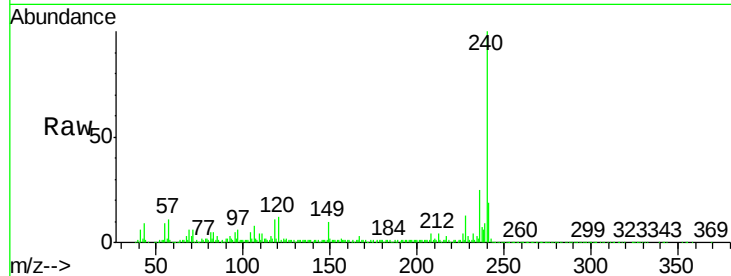
Tgt Ion:240 Resp: 330573

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

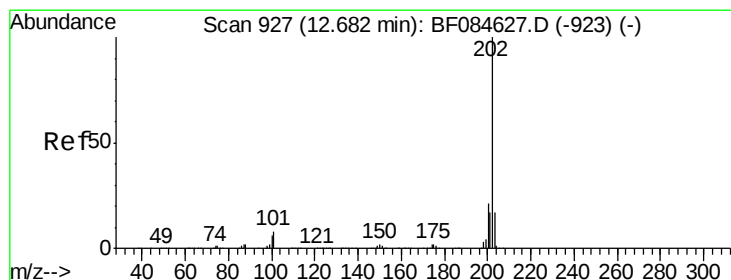
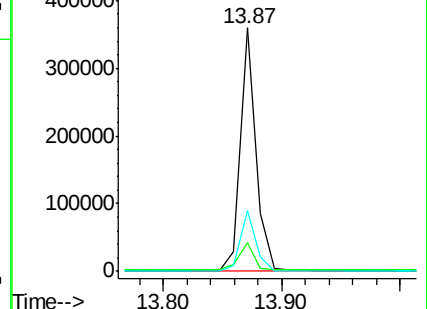
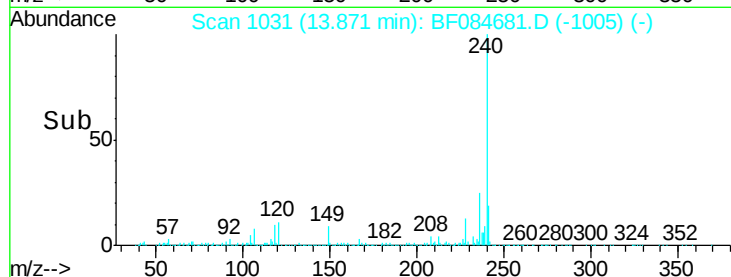
236 25.0 20.6 31.0



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



#77

Pyrene

Concen: 14.29 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF084681.D

Acq: 30 Jan 2016 12:59

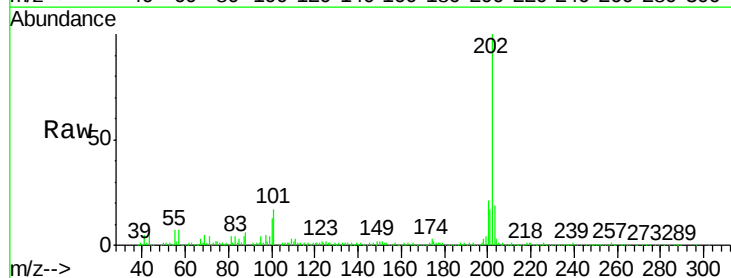
Tgt Ion:202 Resp: 356334

Ion Ratio Lower Upper

202 100

200 20.9 17.2 25.8

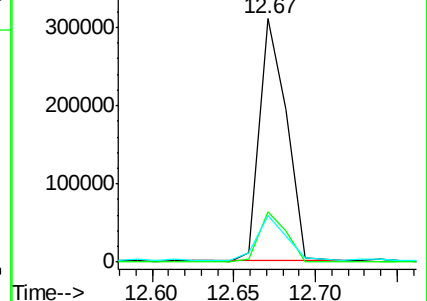
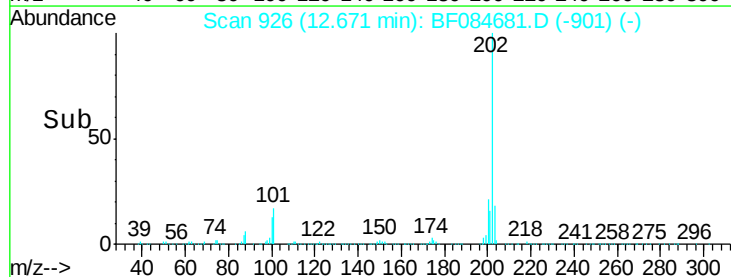
203 19.0 14.3 21.5

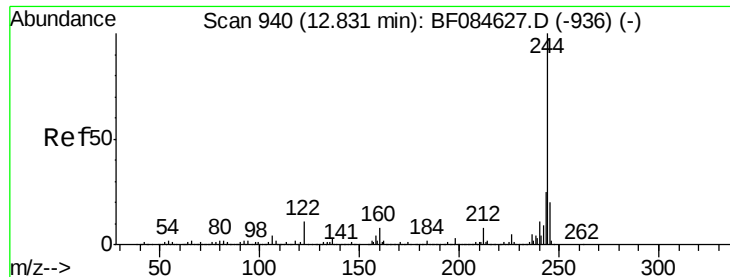


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

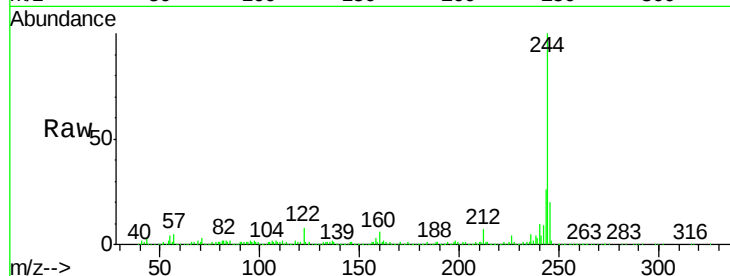




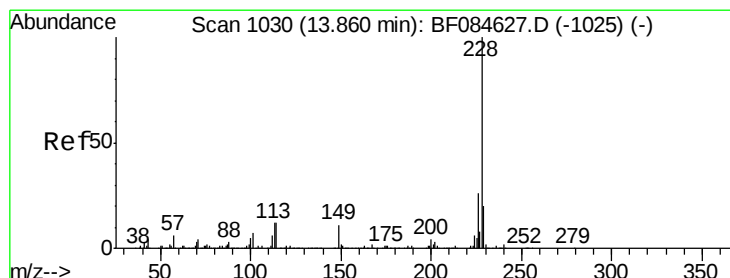
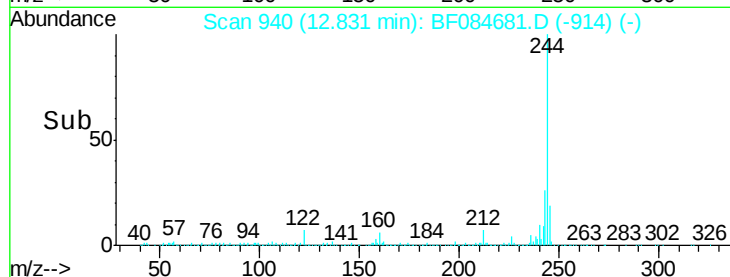
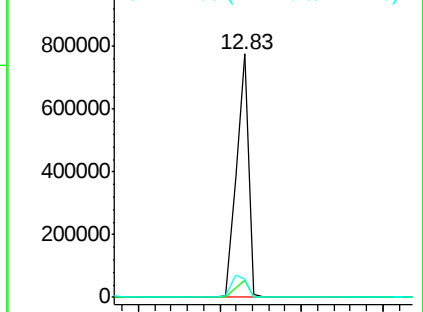
#78
 Terphenyl-d14
 Concen: 55.33 ng
 RT: 12.83 min Scan# 940
 Delta R.T. -0.00 min
 Lab File: BF084681.D
 Acq: 30 Jan 2016 12:59

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B013(10-12.5)

Tgt Ion:244 Resp: 809856
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 7.5 7.4 11.0

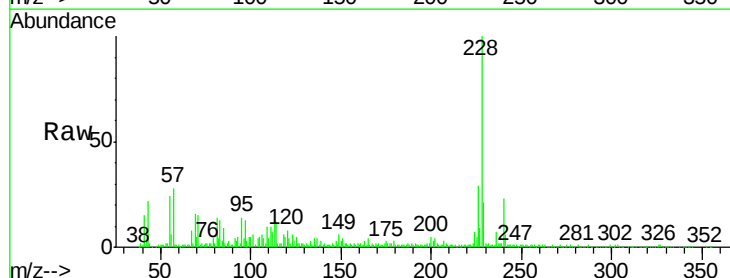


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

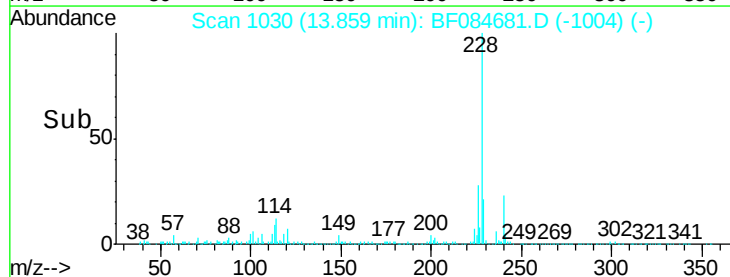
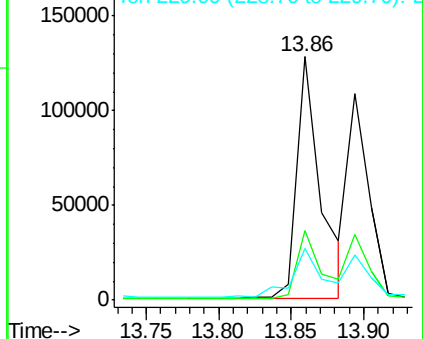


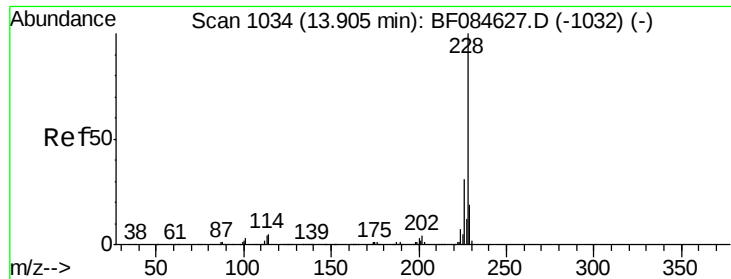
#80
 Benzo(a)anthracene
 Concen: 7.12 ng
 RT: 13.86 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: BF084681.D
 Acq: 30 Jan 2016 12:59

Tgt Ion:228 Resp: 146761
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.8 32.6
 229 21.4 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.40 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF084681.D

Acq: 30 Jan 2016 12:59

Instrument :

BNA_F

ClientSampleId :

SUP-B013(10-12.5)

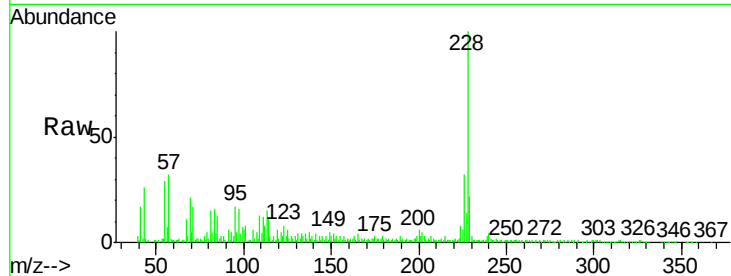
Tgt Ion:228 Resp: 109744

Ion Ratio Lower Upper

228 100

226 31.7 24.3 36.5

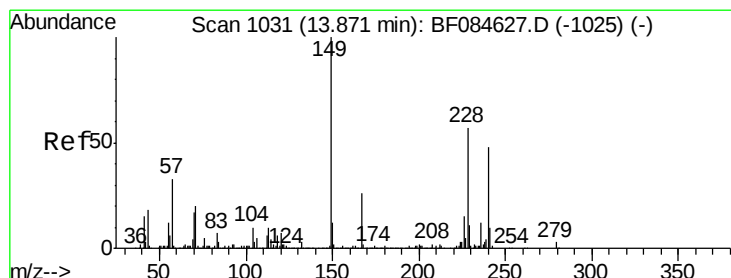
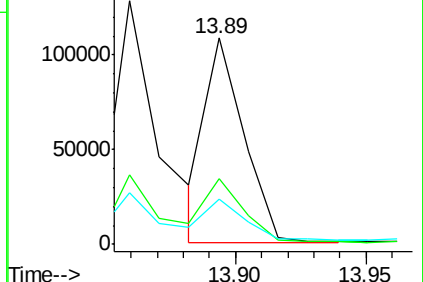
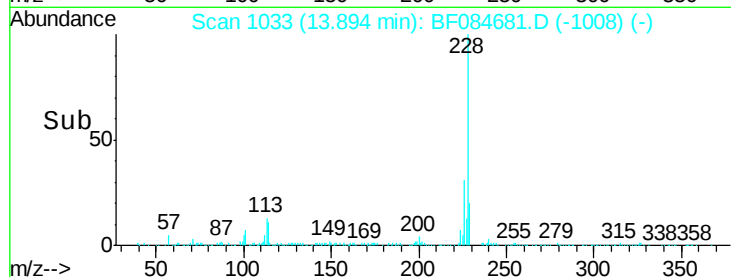
229 22.1 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.35 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF084681.D

Acq: 30 Jan 2016 12:59

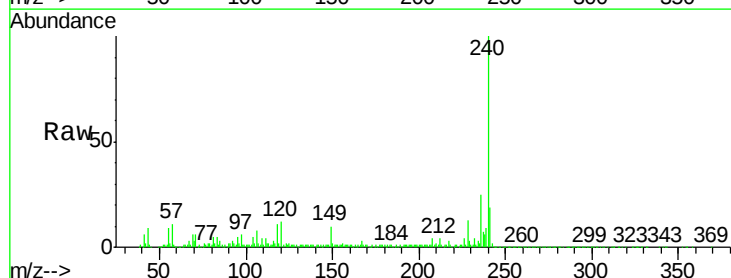
Tgt Ion:149 Resp: 32472

Ion Ratio Lower Upper

149 100

167 29.3 19.7 29.5

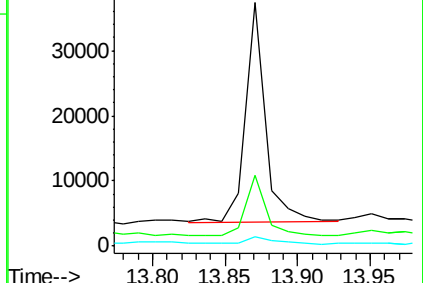
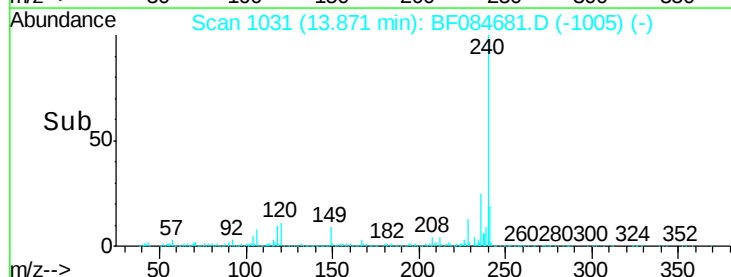
279 3.9 1.8 2.6#

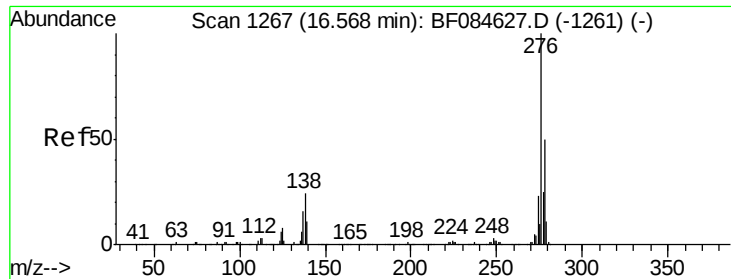


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

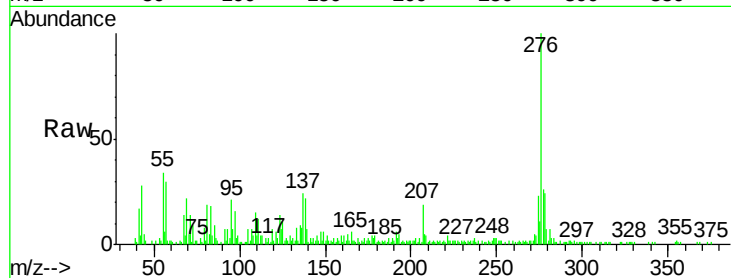




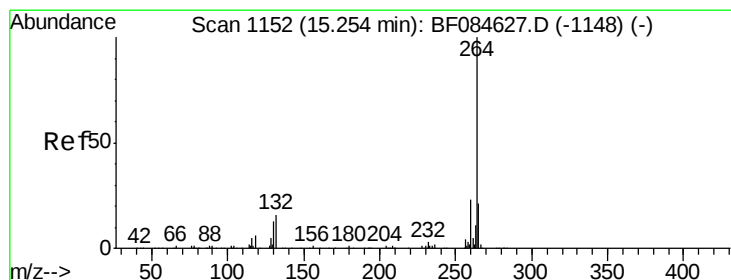
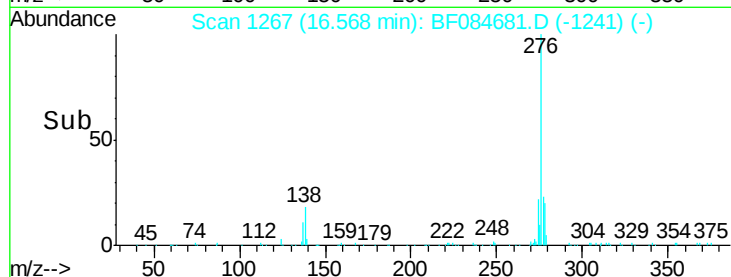
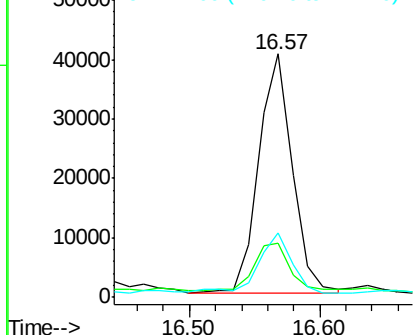
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.04 ng
 RT: 16.57 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: BF084681.D
 Acq: 30 Jan 2016 12:59

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B013(10-12.5)

Tgt Ion: 276 Resp: 72613
 Ion Ratio Lower Upper
 276 100
 138 24.5 20.6 30.8
 277 25.7 20.1 30.1

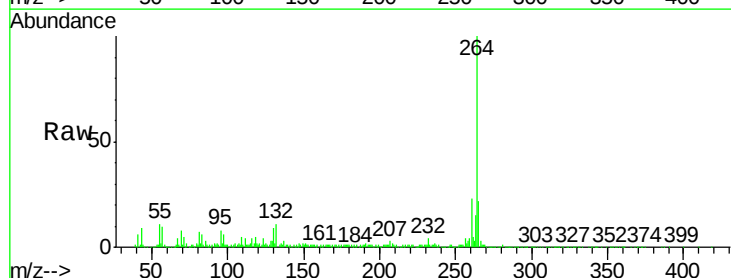


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

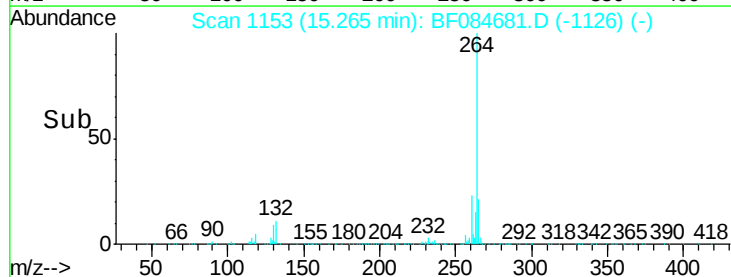
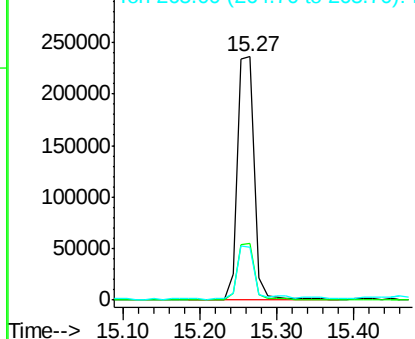


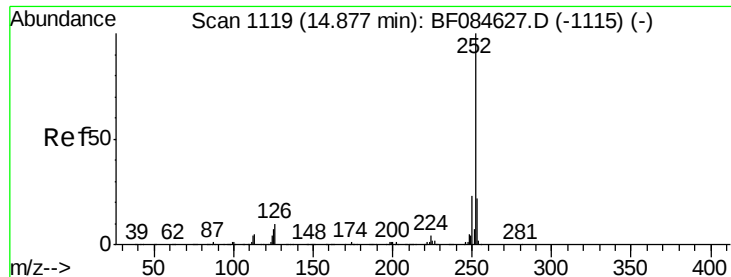
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.27 min Scan# 1153
 Delta R.T. 0.01 min
 Lab File: BF084681.D
 Acq: 30 Jan 2016 12:59

Tgt Ion: 264 Resp: 361856
 Ion Ratio Lower Upper
 264 100
 260 23.4 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





#87

Benzo(b)fluoranthene

Concen: 8.03 ng

RT: 14.88 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BF084681.D

Acq: 30 Jan 2016 12:59

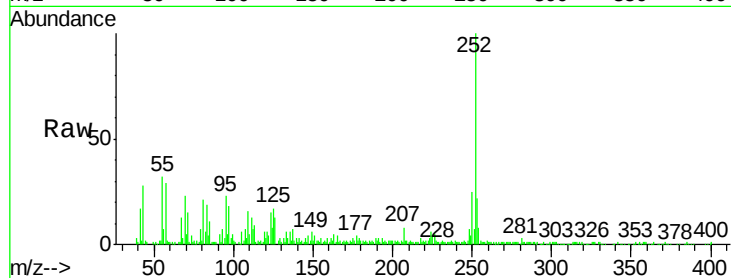
Instrument :

BNA_F

ClientSampleId :

SUP-B013(10-12.5)

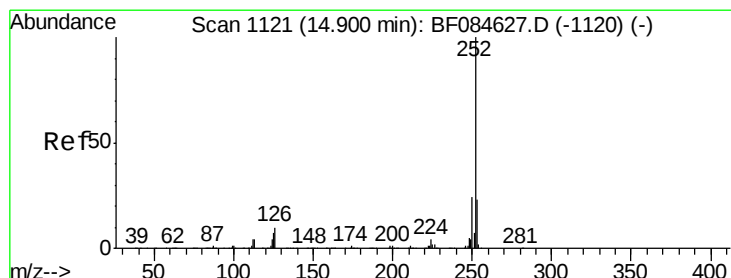
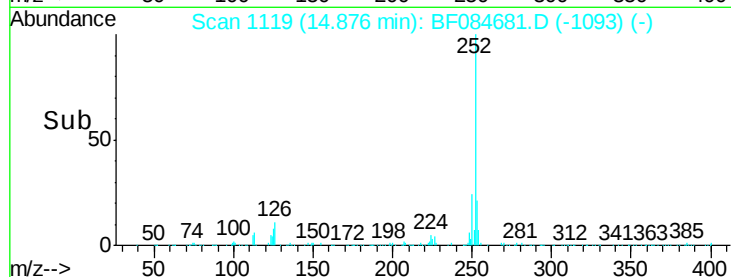
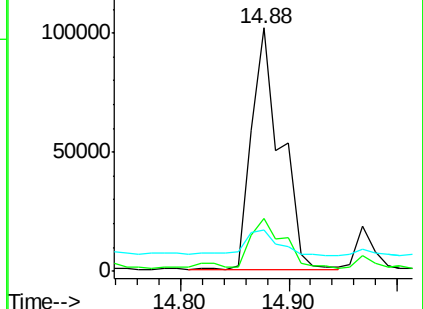
Tgt Ion:	252	Resp:	188137
Ion Ratio		Lower	Upper
252	100		
253	21.8	17.3	25.9
125	16.9	6.5	9.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 9.72 ng

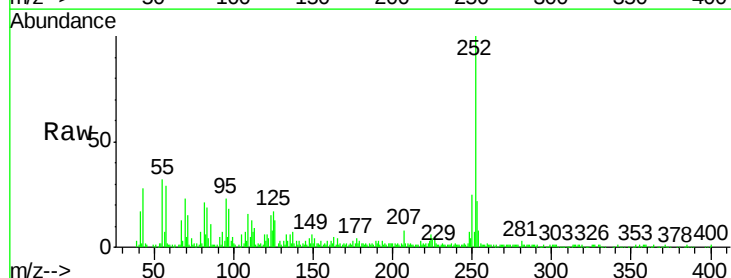
RT: 14.88 min Scan# 1119

Delta R.T. -0.02 min

Lab File: BF084681.D

Acq: 30 Jan 2016 12:59

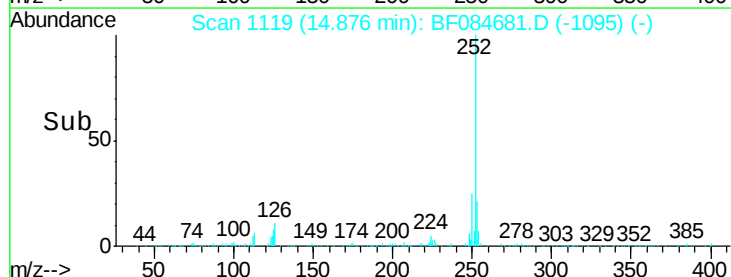
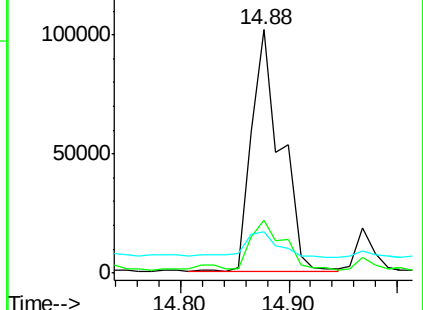
Tgt Ion:	252	Resp:	188137
Ion Ratio		Lower	Upper
252	100		
253	21.8	18.1	27.1
125	16.9	9.0	13.6#

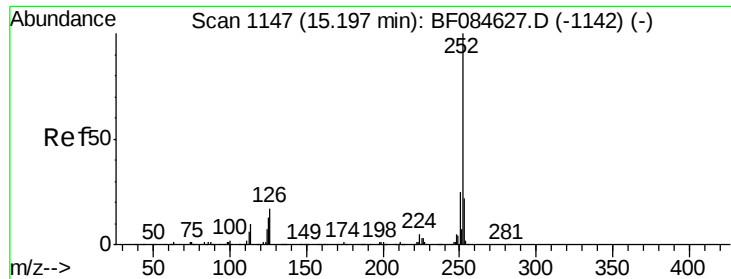


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.26 ng

RT: 15.20 min Scan# 1147

Delta R.T. -0.00 min

Lab File: BF084681.D

Acq: 30 Jan 2016 12:59

Instrument :

BNA_F

ClientSampleId :

SUP-B013(10-12.5)

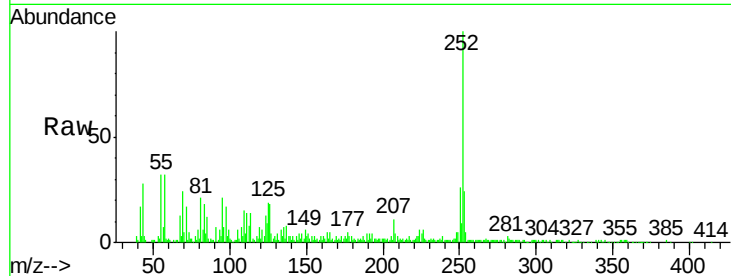
Tgt Ion:252 Resp: 106618

Ion Ratio Lower Upper

252 100

253 24.4 17.3 25.9

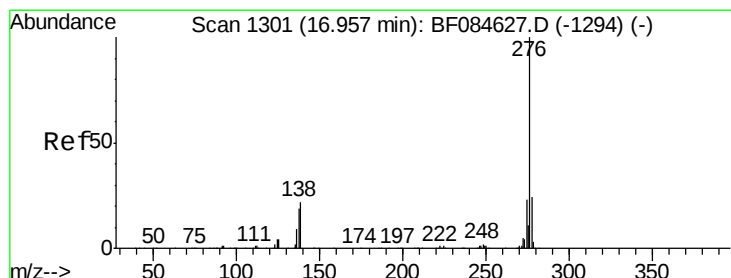
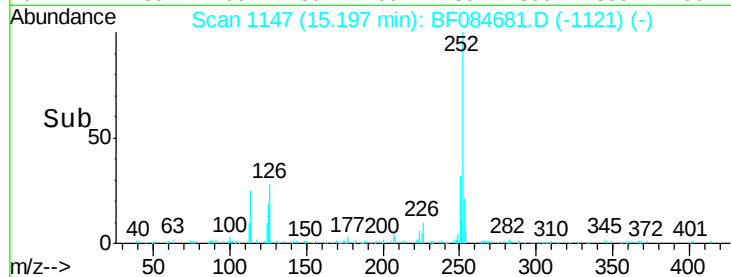
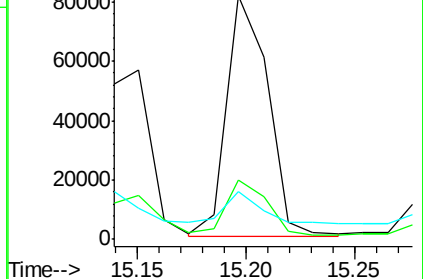
125 19.5 7.0 10.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 4.17 ng

RT: 16.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: BF084681.D

Acq: 30 Jan 2016 12:59

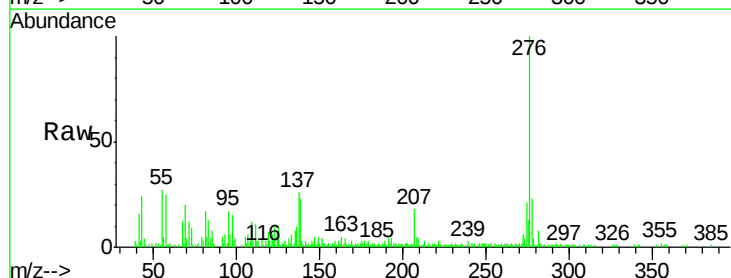
Tgt Ion:276 Resp: 76920

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 23.3 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

