

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)

Manual Integrations
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Quant Time: Feb 01 02:17:13 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						
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						Qvalue
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	11.31	178	75248m	3.27	ng	
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	147159m	6.28	ng	
88) Benzo(k)fluoranthene	14.90	252	44900m	2.32	ng	
89) Benzo(a)pyrene	15.20	252	106618	5.26	ng	# 87
91) Benzo(a,h,i)perylene	16.96	276	76920	4.17	ng	99

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

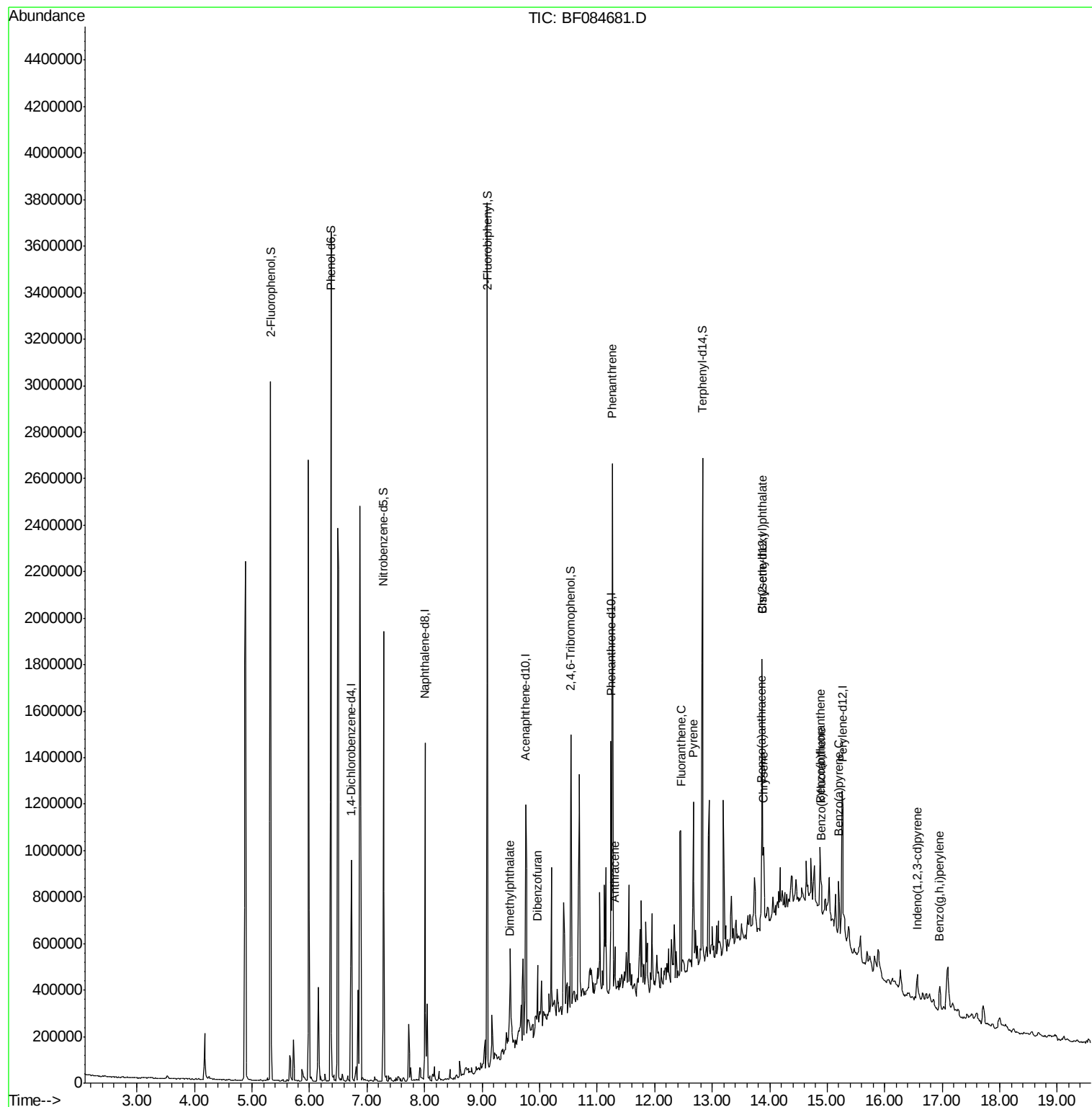
Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\
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ALS Vial : 42 Sample Multiplier: 1

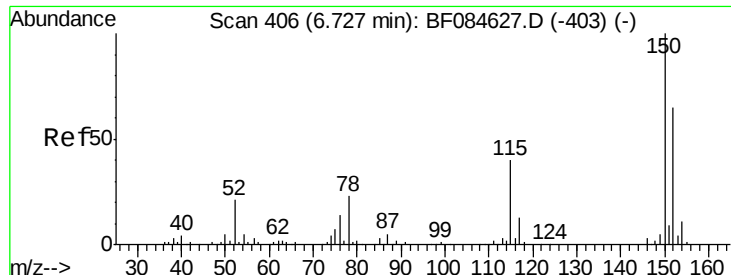
Instrument :
BNA_F
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SUP-B013(10-12.5)

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Quant Time: Feb 01 02:17:13 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

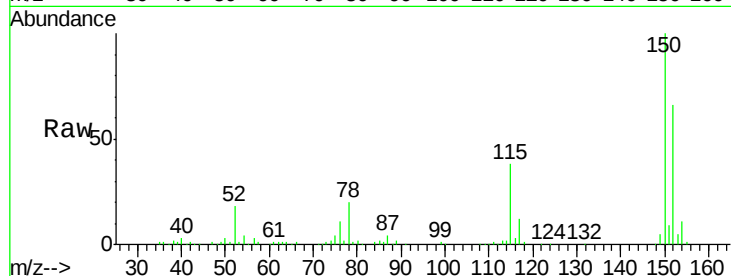
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.73 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: BF084681.D
 Acq: 30 Jan 2016 12:59

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	123.0	184.4
115	58.0	51.4	77.2

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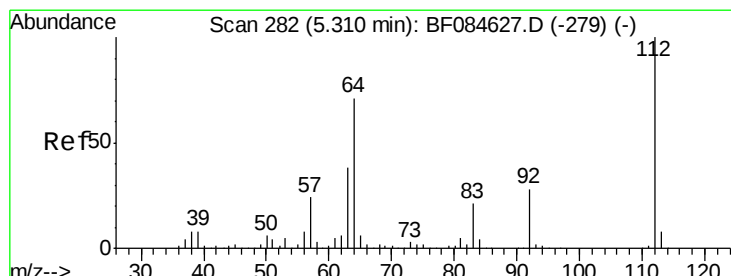
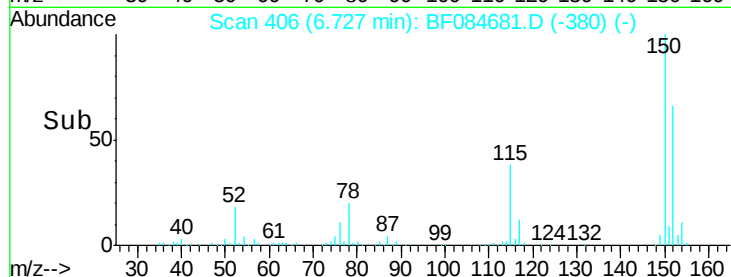
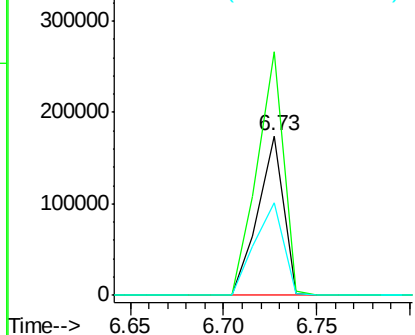


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

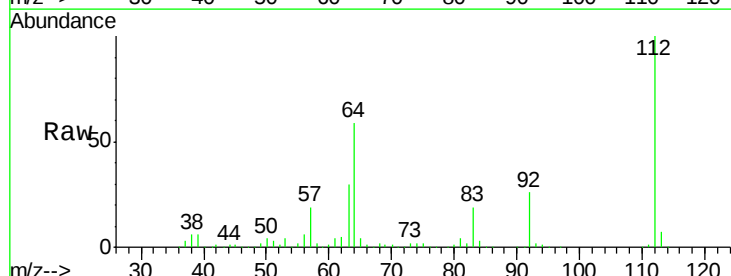
Ion 115.00 (114.70 to 115.70): E



#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	Ratio	Lower	Upper
112	100		
64	58.9	36.6	55.0#
63	30.1	19.4	29.0#

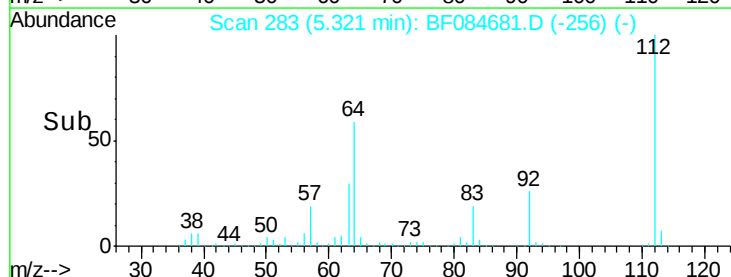
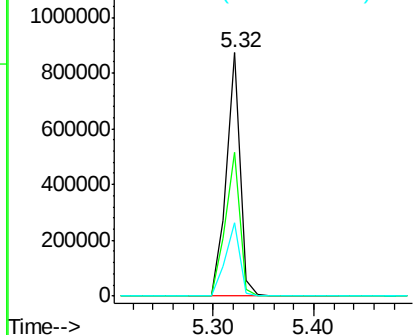


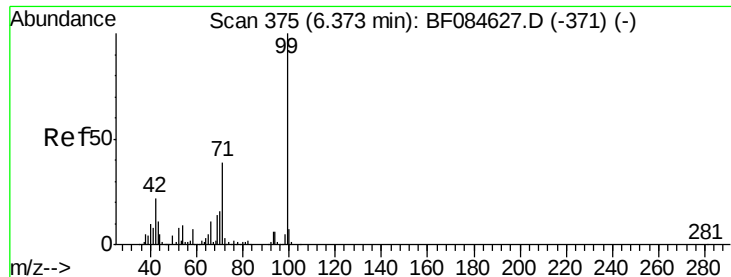
Abundance

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)

Tot Ion: 99 Resp: 1173001

Ion Ratio Lower Upper

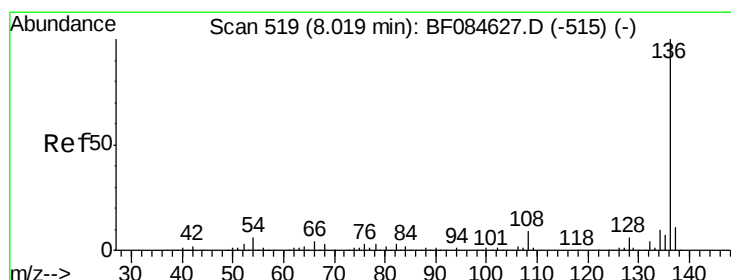
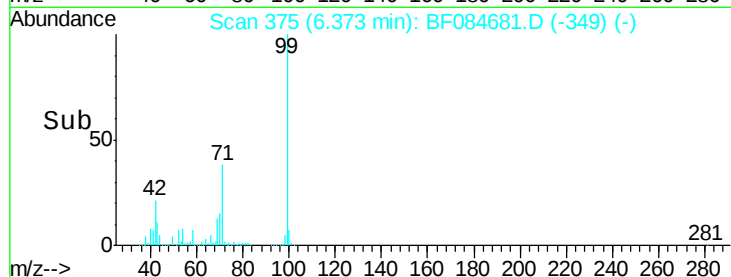
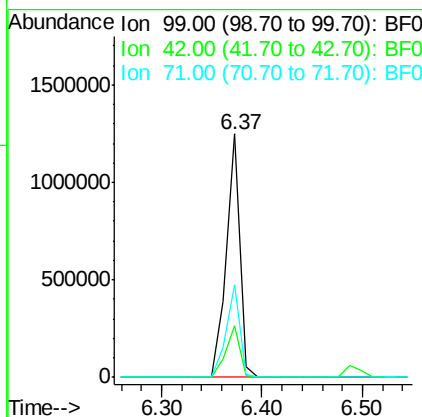
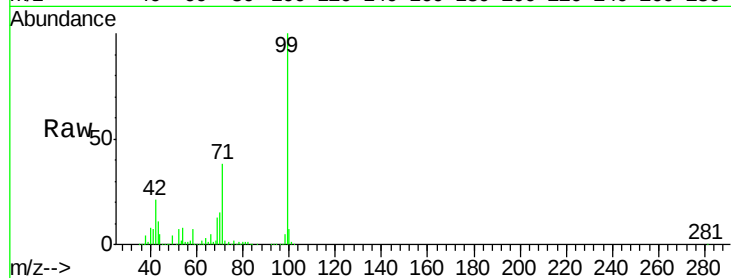
99 100

42 21.0 12.8 19.2#

71 37.8 30.9 46.3

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#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

Tgt Ion: 136 Resp: 628226

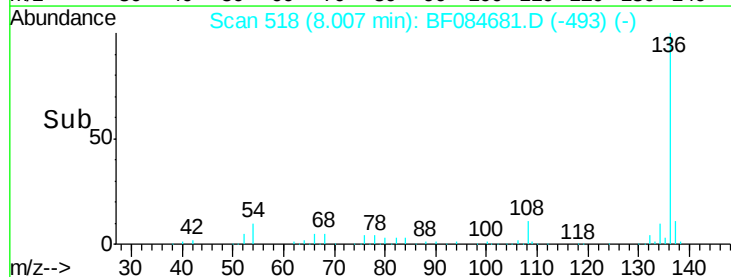
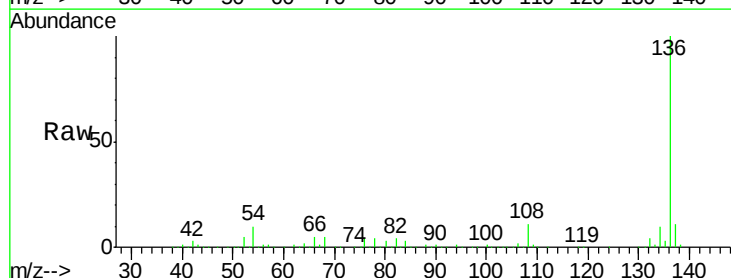
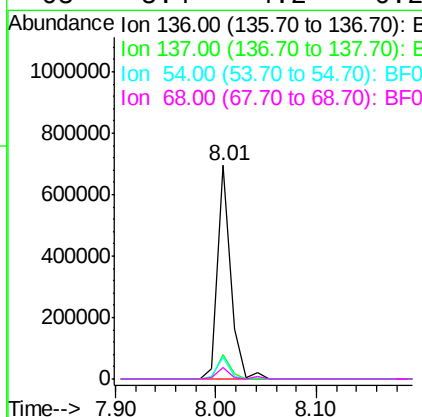
Ion Ratio Lower Upper

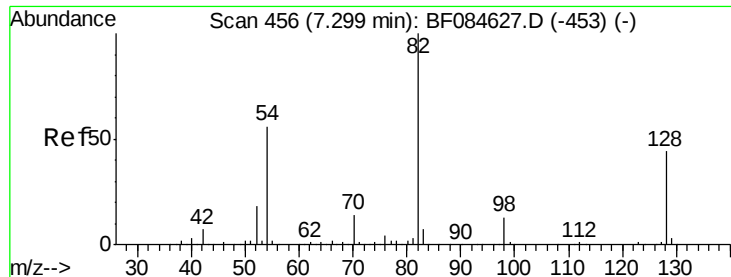
136 100

137 11.2 8.7 13.1

54 10.2 5.8 8.8#

68 5.4 4.2 6.2





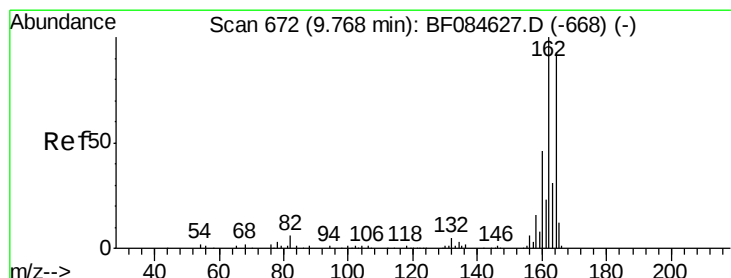
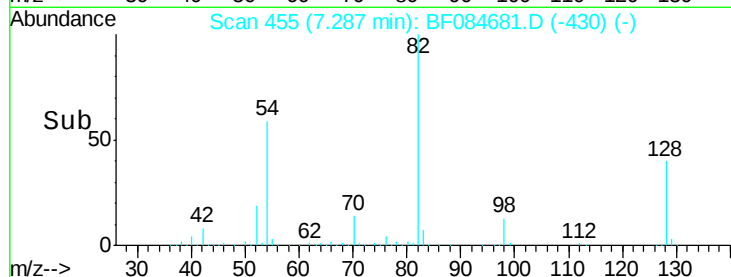
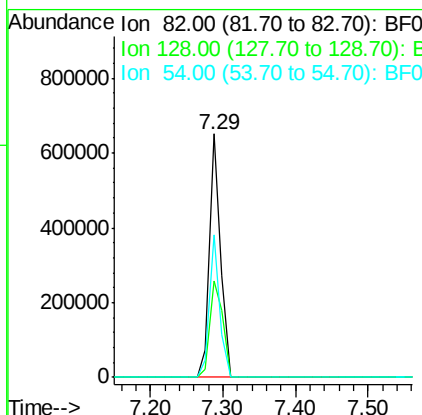
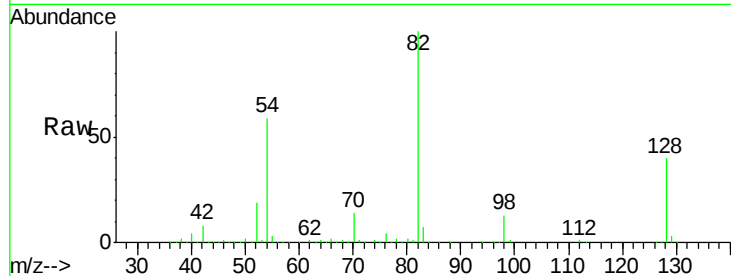
#23
 Nitrobenzene-d5
 Concen: 61.23 ng
 RT: 7.29 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: BF084681.D
 Acq: 30 Jan 2016 12:59

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.8	34.6	51.8
54	58.7	38.4	57.6

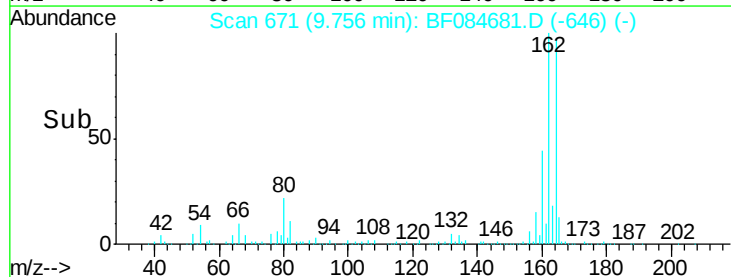
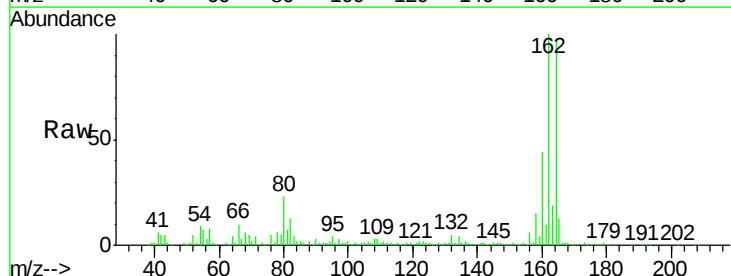
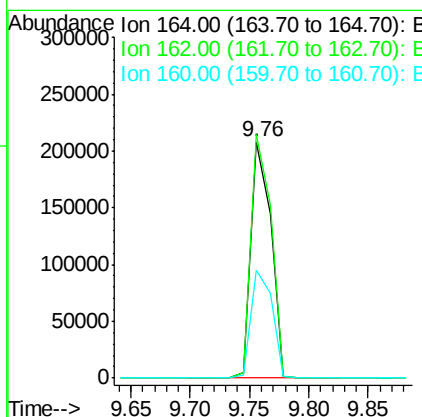
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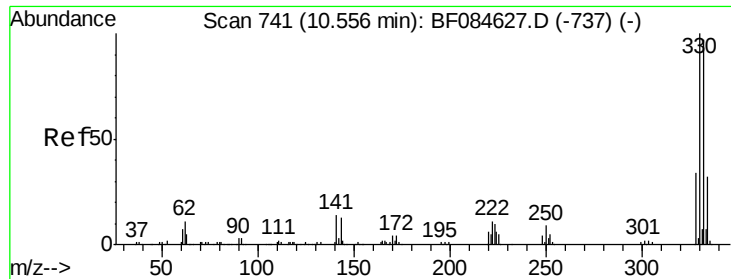
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.76 min Scan# 671
 Delta R.T. -0.01 min
 Lab File: BF084681.D
 Acq: 30 Jan 2016 12:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	85.1	127.7
160	45.7	37.5	56.3





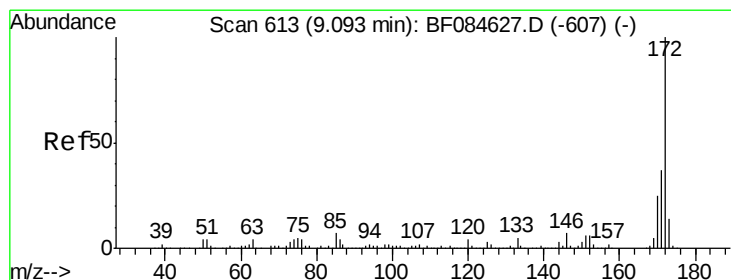
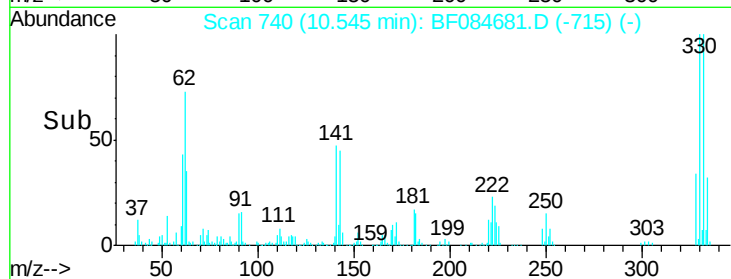
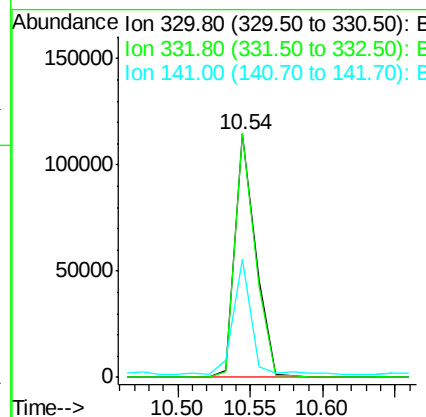
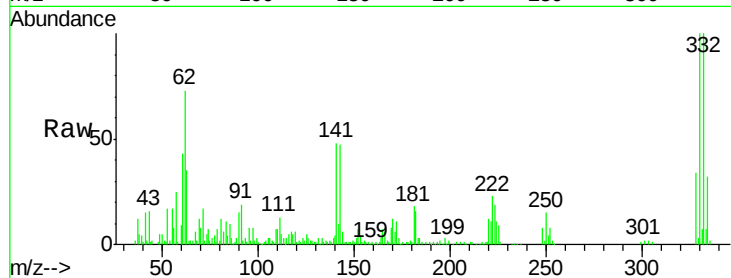
#41
 2,4,6-Tribromophenol
 Concen: 43.79 ng
 RT: 10.54 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF084681.D
 Acq: 30 Jan 2016 12:59

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.3	76.6	114.8	
141	41.6	27.8	41.6	

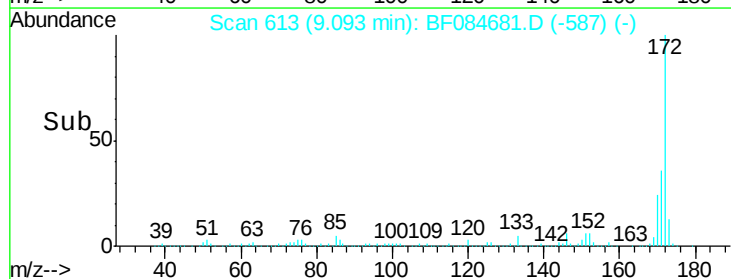
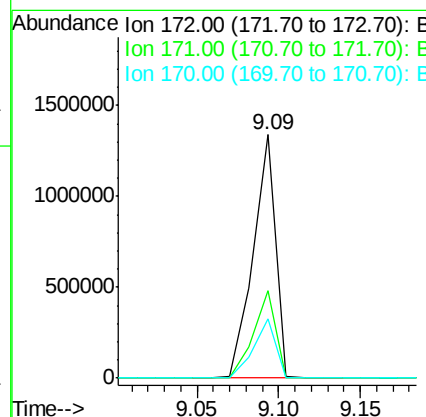
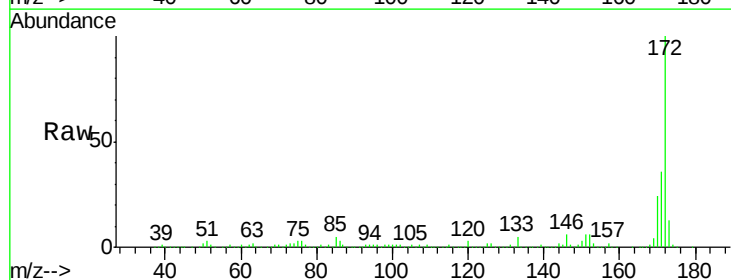
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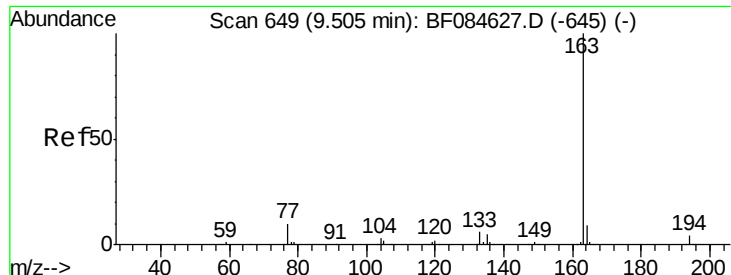
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#44
 2-Fluorobiphenyl
 Concen: 76.29 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF084681.D
 Acq: 30 Jan 2016 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.2	28.9	43.3	
170	24.3	18.6	27.8	





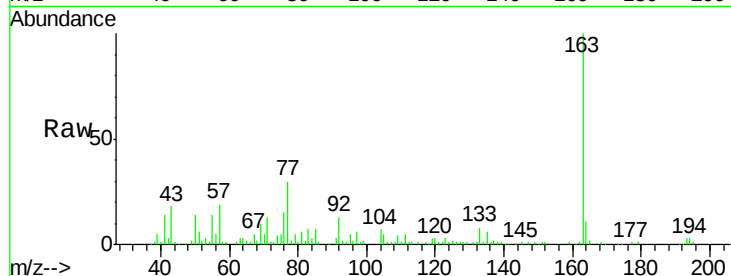
#49
Dimethylphthalate
Concen: 5.82 ng
RT: 9.48 min Scan# 647
Delta R.T. -0.02 min
Lab File: BF084681.D
Acq: 30 Jan 2016 12:59

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

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.3	8.0	12.0#
164	10.8	8.0	12.0

Manual Integrations
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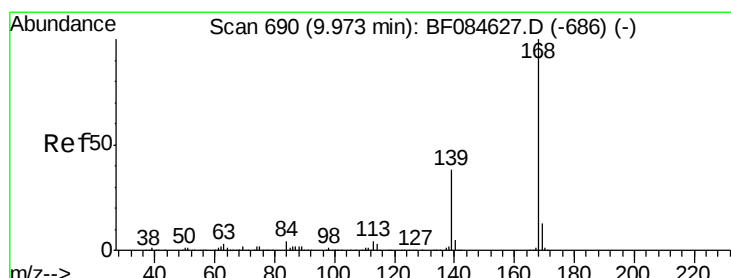
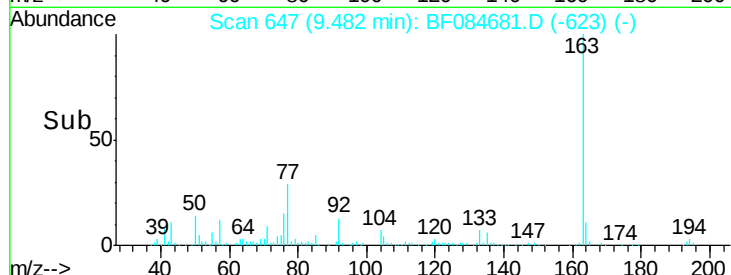
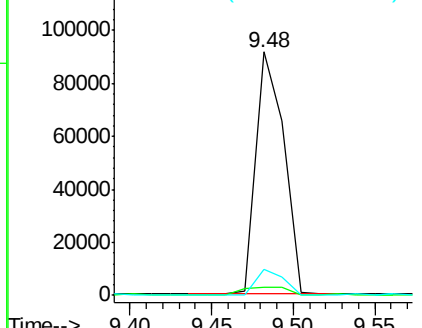


Abundance

Ion 163.00 (162.70 to 163.70): E

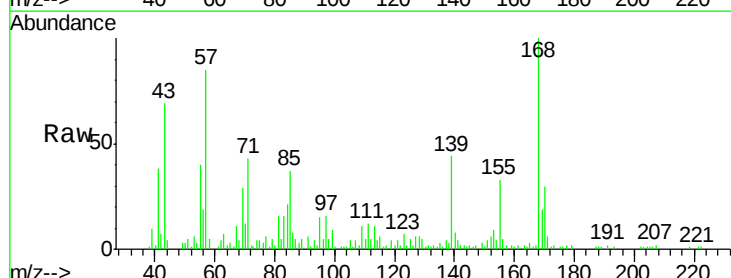
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#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	Ratio	Resp Lower	Upper
168	100		
139	44.1	30.5	45.7
169	18.8	10.4	15.6#

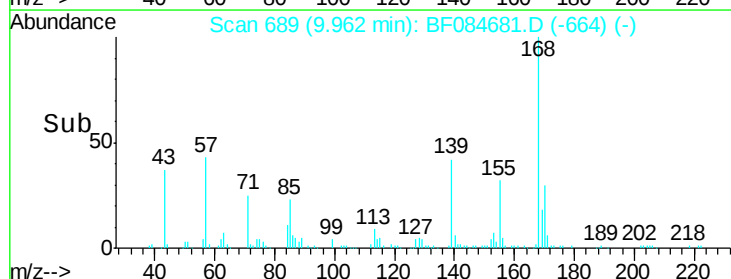
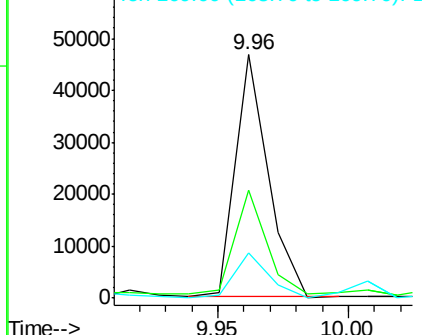


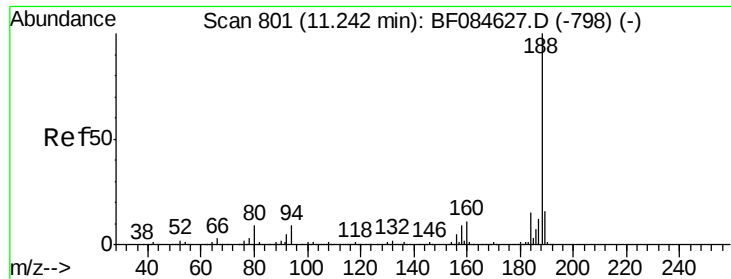
Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





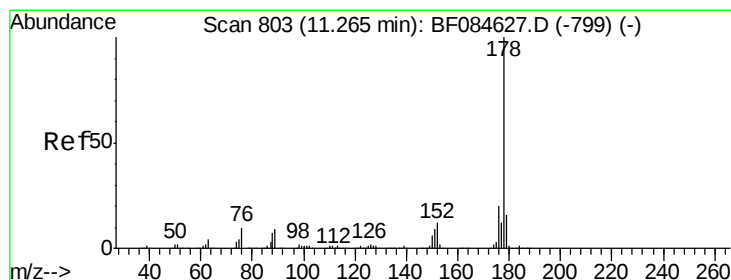
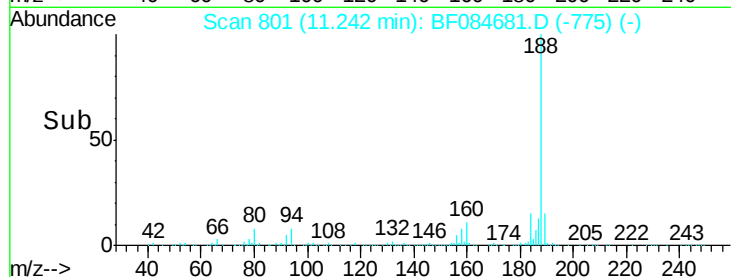
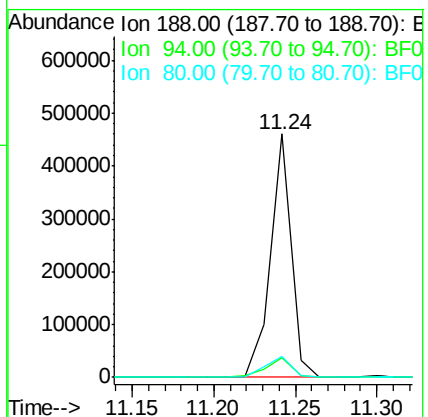
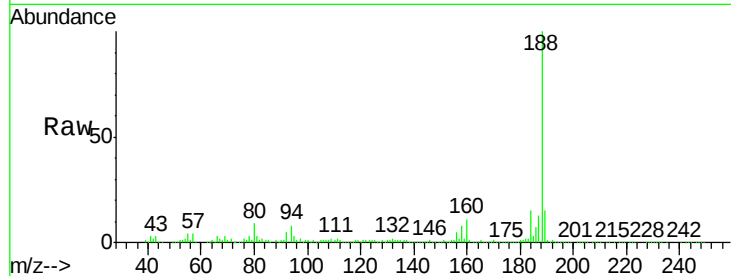
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF084681.D
Acq: 30 Jan 2016 12:59

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

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.0	9.0	13.4#
80	8.5	9.6	14.4#

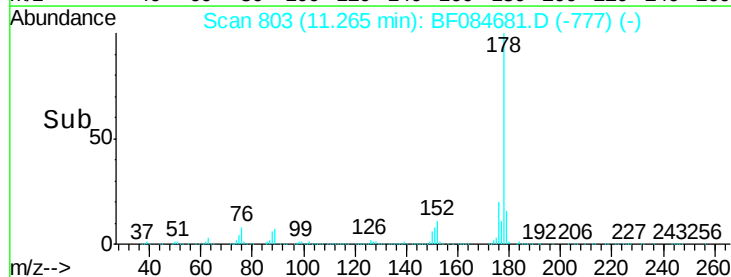
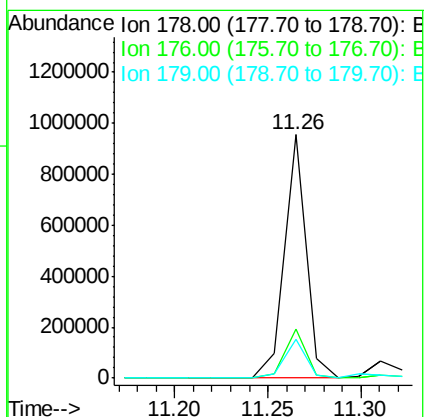
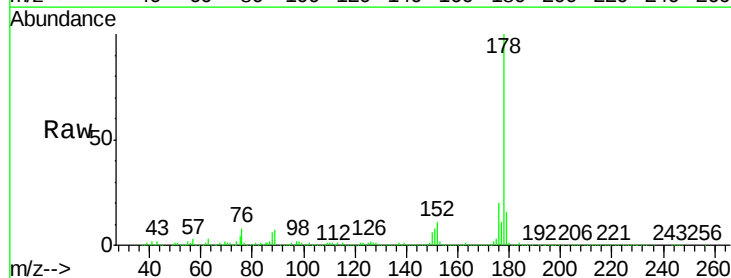
Manual Integrations
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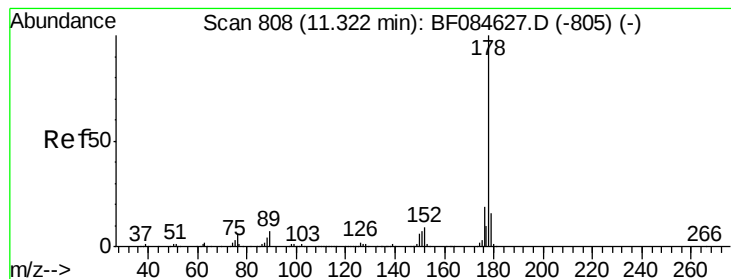
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#70
Phenanthrene
Concen: 34.21 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF084681.D
Acq: 30 Jan 2016 12:59

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.2	15.3	22.9
179	16.1	12.0	18.0





#71

Anthracene

Concen: 3.27 ng/mL

RT: 11.31 min Scan# 807

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)

Tot Ion:178 Resp: 75248

Ion Ratio Lower Upper

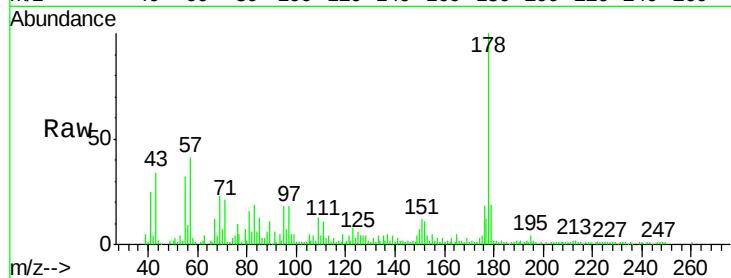
178 100

176 18.4 15.4 23.0

179 19.1 12.5 18.7#

Manual Integrations
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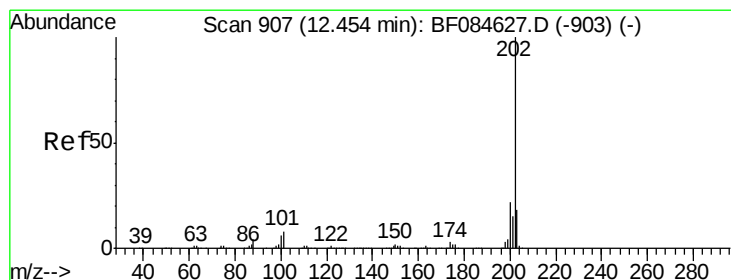
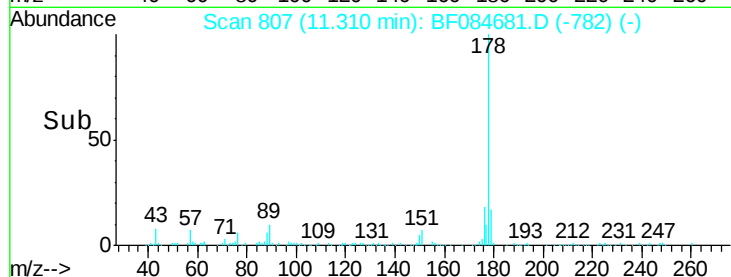
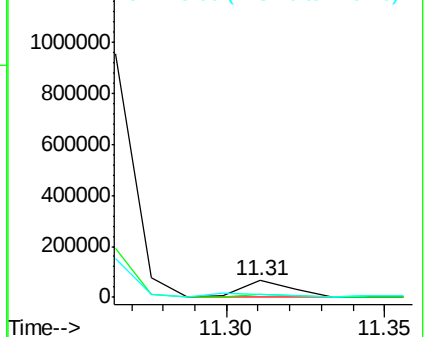
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Abundance Ion 178.00 (177.70 to 178.70): E

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

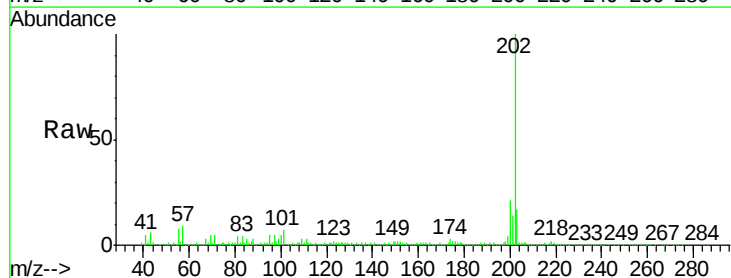
Tgt Ion:202 Resp: 383861

Ion Ratio Lower Upper

202 100

101 6.5 0.0 32.8

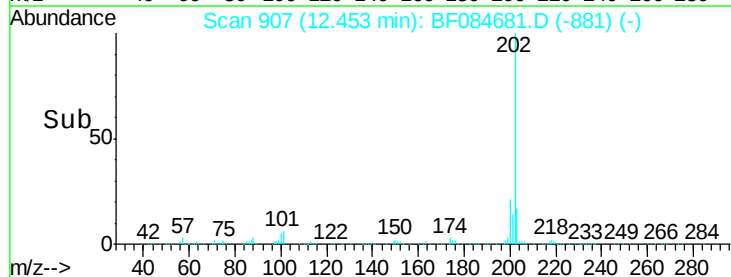
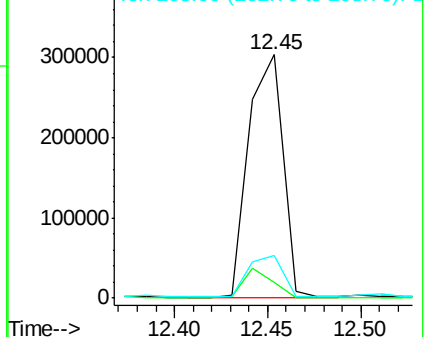
203 17.4 0.0 37.9

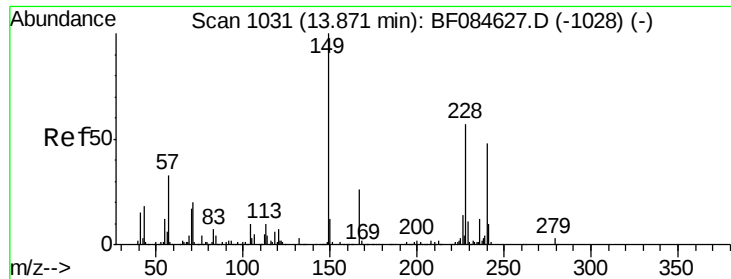


Abundance Ion 202.00 (201.70 to 202.70): E

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

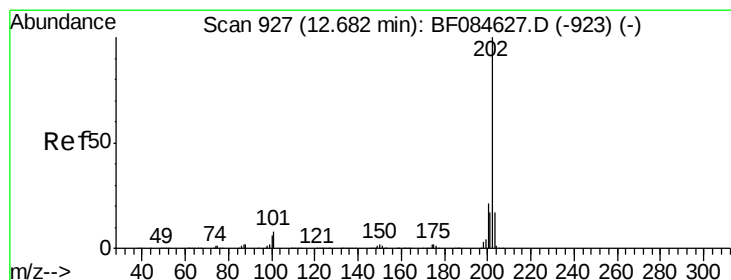
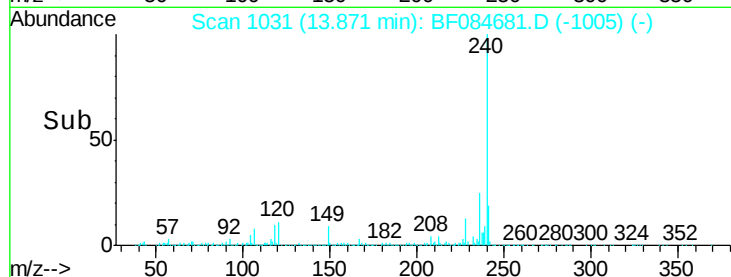
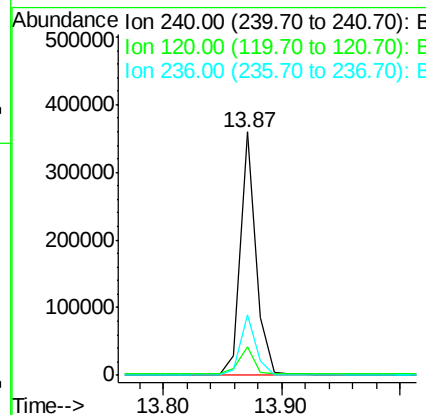
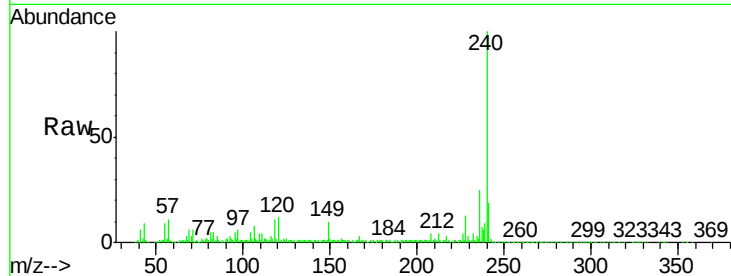
ClientSampleId :

SUP-B013(10-12.5)

Tot Ion:	240	Resp:	330573
Ion Ratio	Lower	Upper	
240	100		
120	11.9	9.5	14.3
236	25.0	20.6	31.0

Manual Integrations
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#77

Pyrene

Concen: 14.29 ng

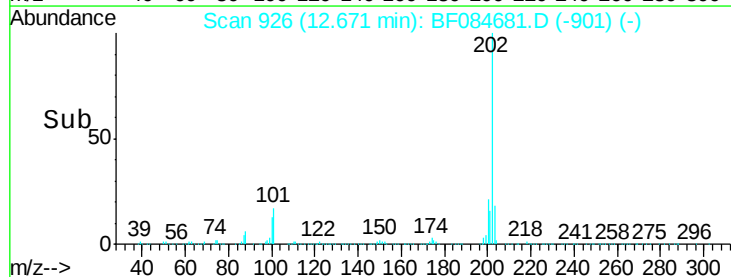
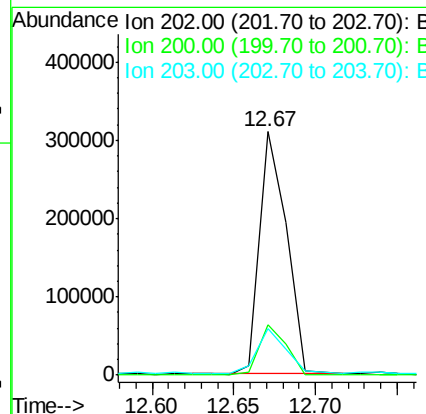
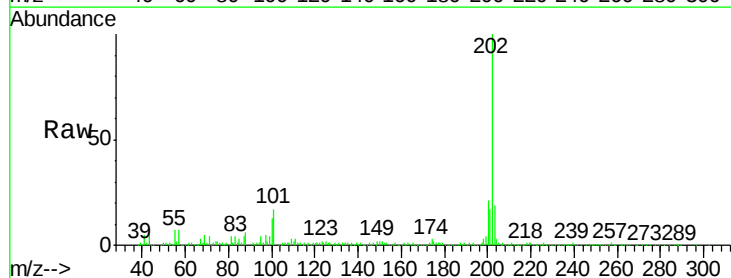
RT: 12.67 min Scan# 926

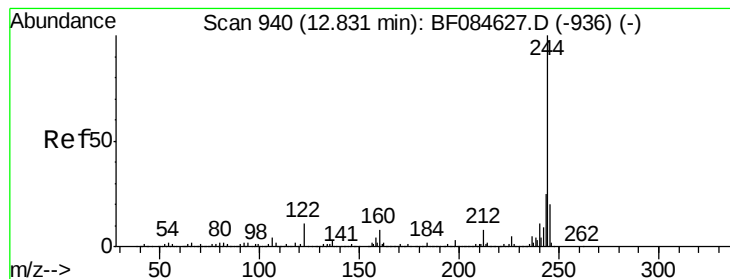
Delta R.T. -0.01 min

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





#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

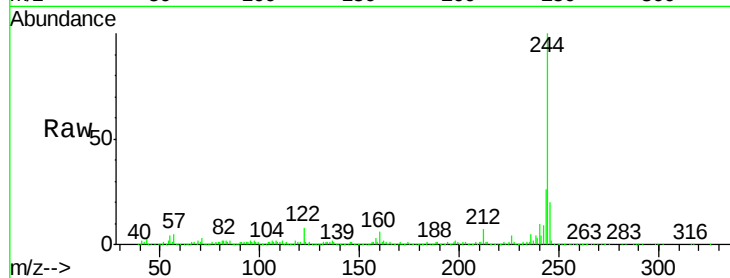
ClientSampleId :

SUP-B013(10-12.5)

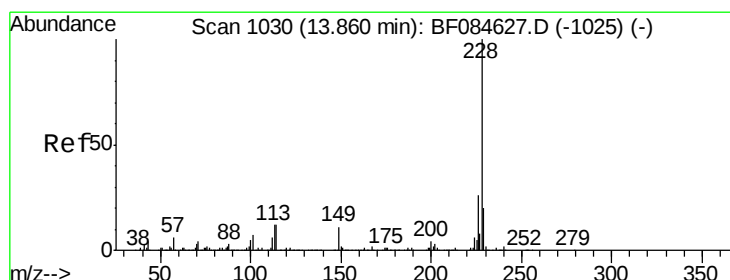
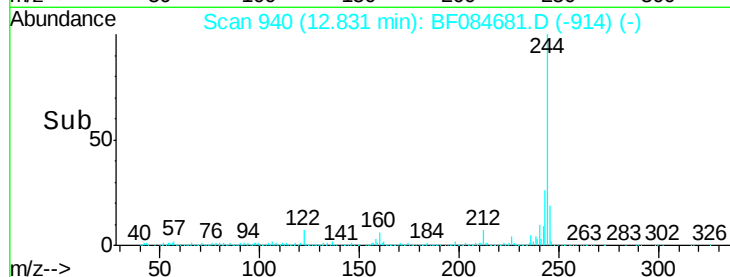
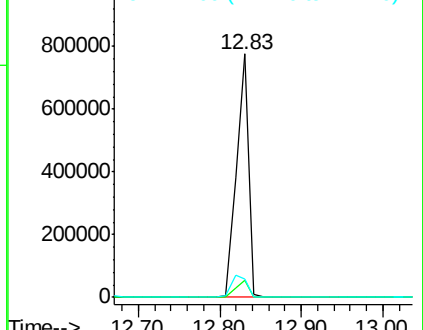
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	7.5	7.4	11.0

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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

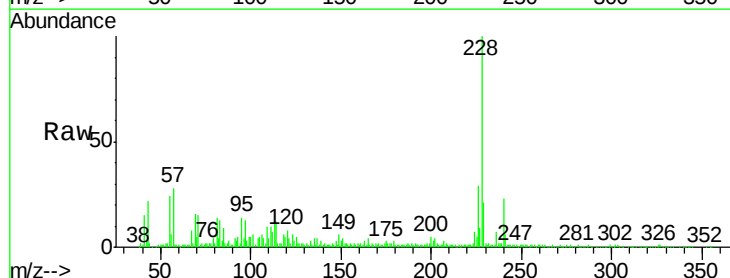
RT: 13.86 min Scan# 1030

Delta R.T. -0.00 min

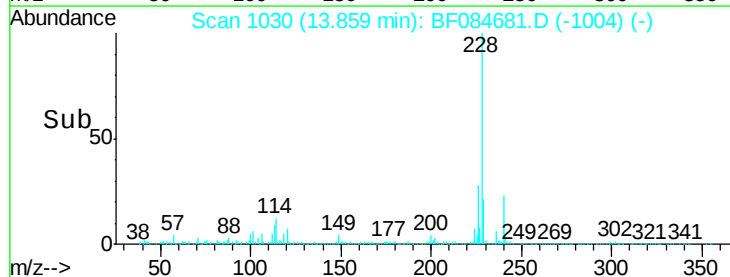
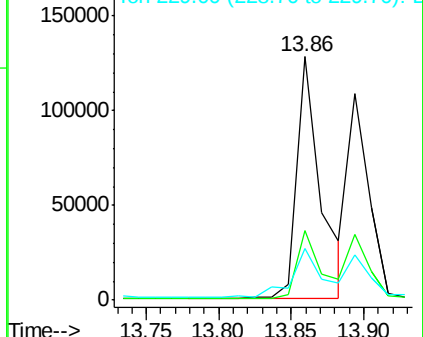
Lab File: BF084681.D

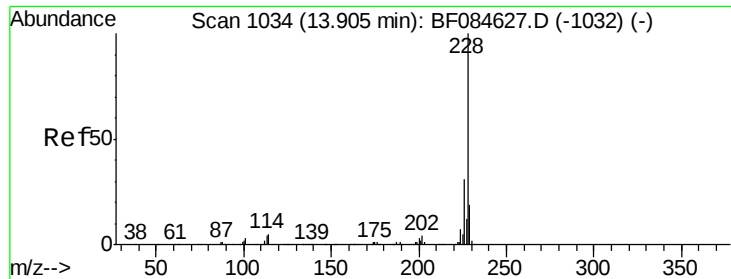
Acq: 30 Jan 2016 12:59

Tgt Ion	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

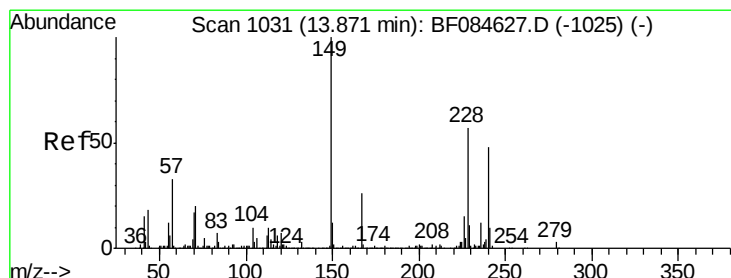
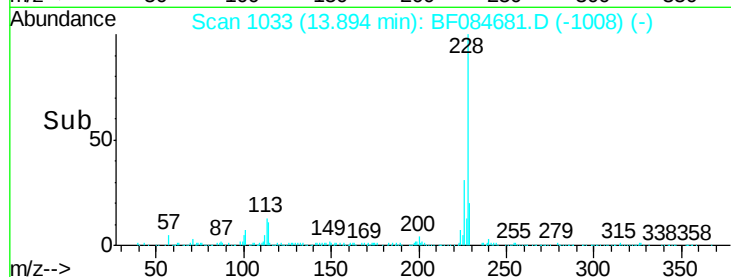
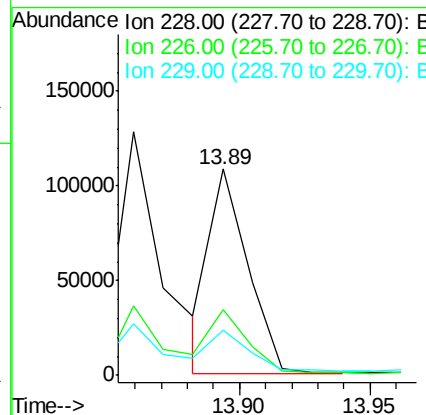
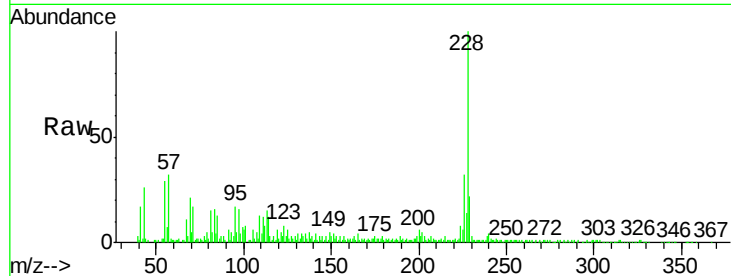
ClientSampleId :

SUP-B013(10-12.5)

Tot Ion:	228	Resp:	109744
Ion Ratio	Lower	Upper	
228	100		
226	31.7	24.3	36.5
229	22.1	16.1	24.1

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#83

Bis(2-ethylhexyl)phthalate

Concen: 2.35 ng

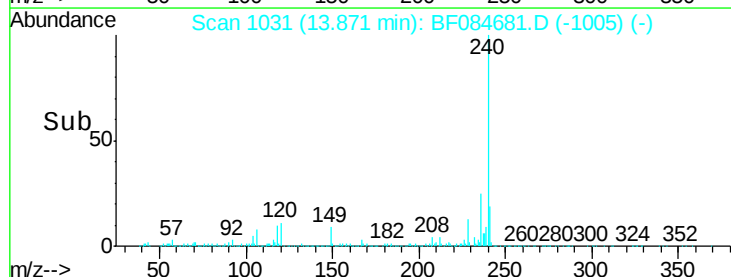
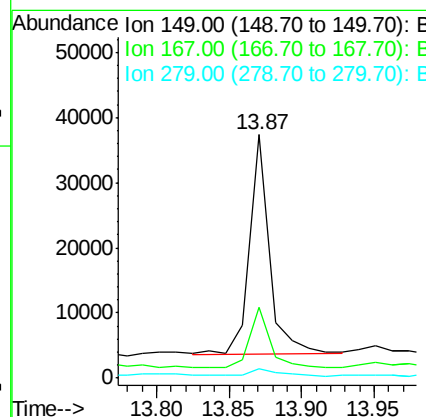
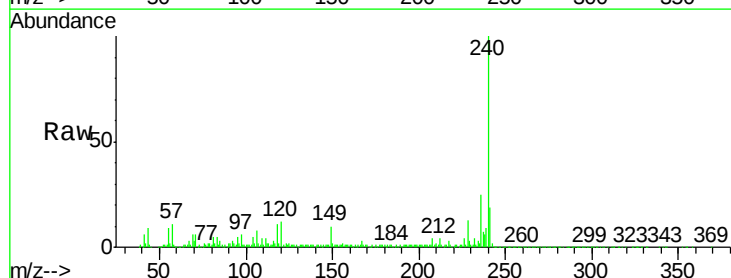
RT: 13.87 min Scan# 1031

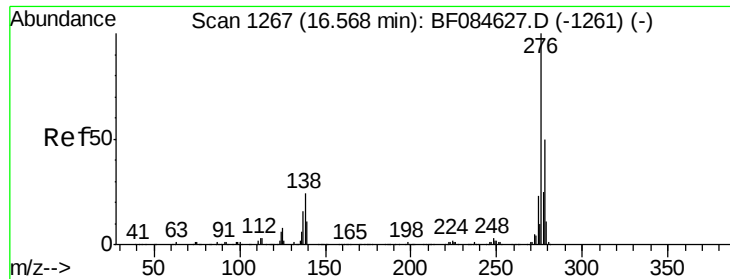
Delta R.T. -0.00 min

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#





#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

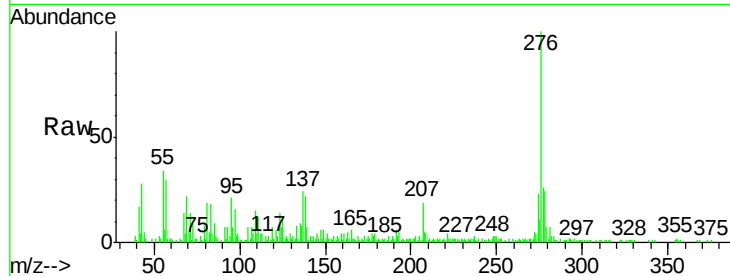
ClientSampleId :

SUP-B013(10-12.5)

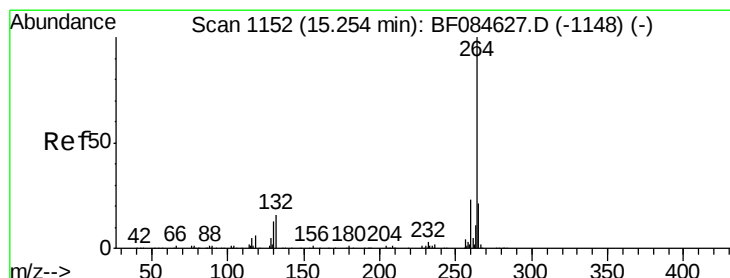
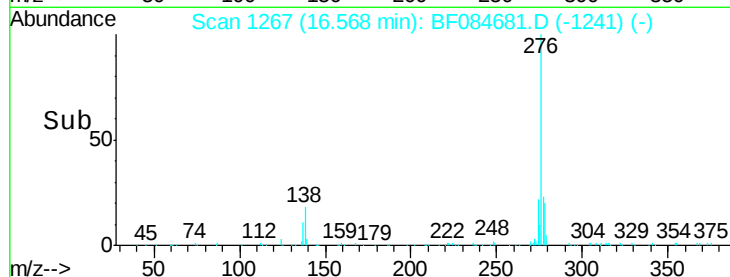
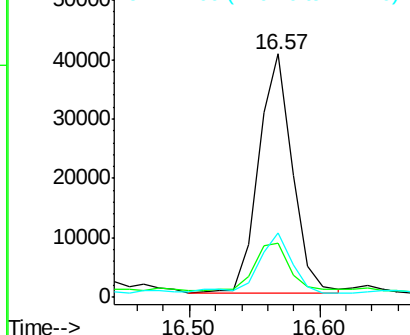
Tot Ion:	276	Resp:	72613
Ion Ratio	Lower	Upper	
276	100		
138	24.5	20.6	30.8
277	25.7	20.1	30.1

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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

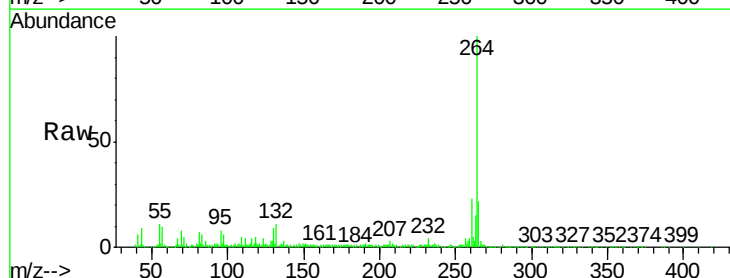
RT: 15.27 min Scan# 1153

Delta R.T. 0.01 min

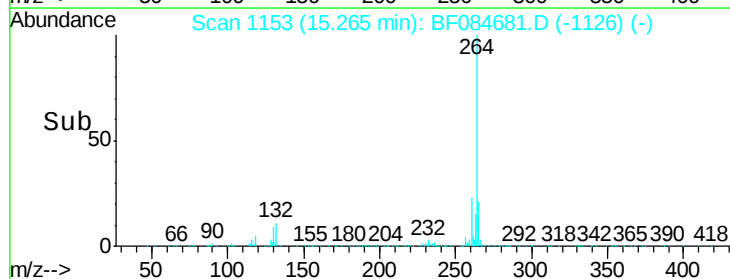
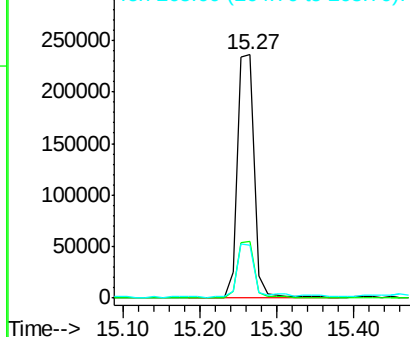
Lab File: BF084681.D

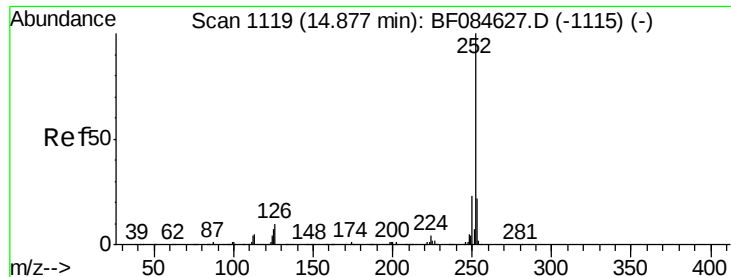
Acq: 30 Jan 2016 12:59

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: 6.28 ng m

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

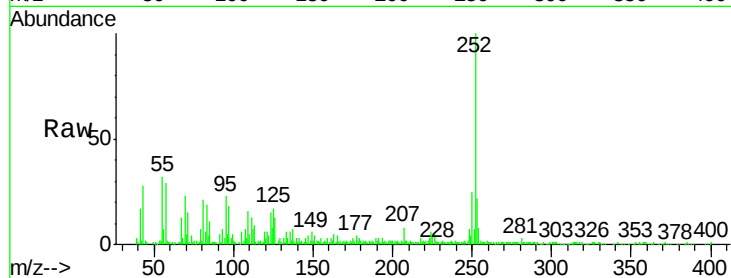
ClientSampleId :

SUP-B013(10-12.5)

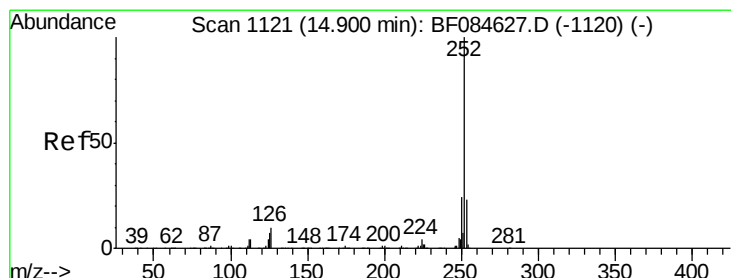
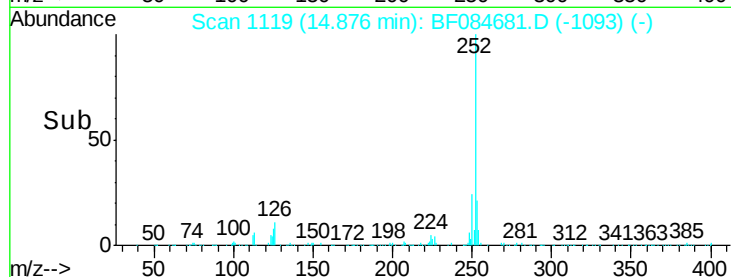
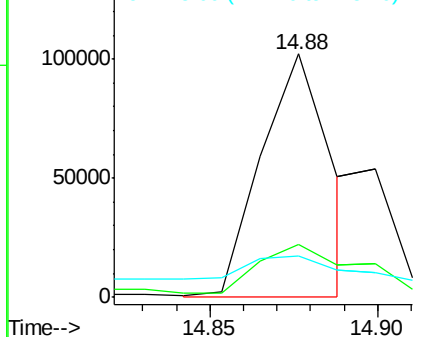
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	16.9	6.5	9.7#

Manual Integrations
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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: 2.32 ng m

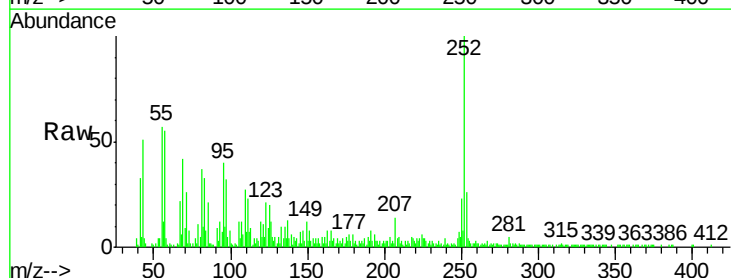
RT: 14.90 min Scan# 1121

Delta R.T. -0.00 min

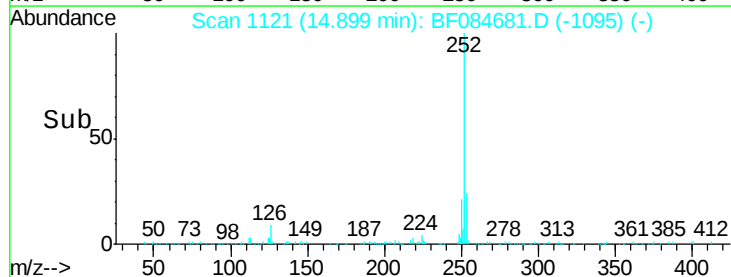
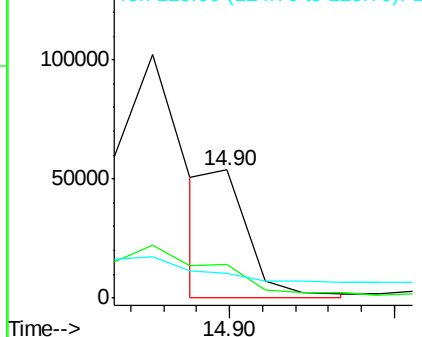
Lab File: BF084681.D

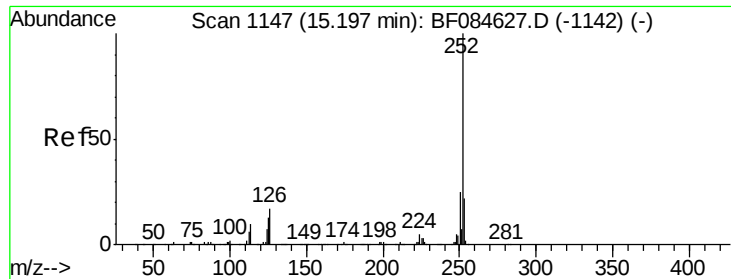
Acq: 30 Jan 2016 12:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.1	27.1
125	19.6	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

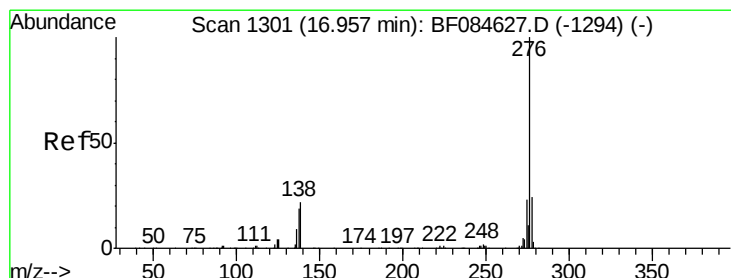
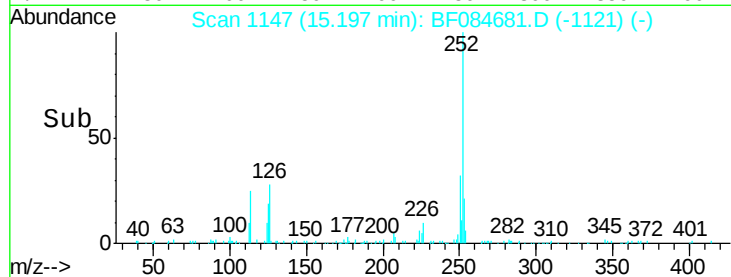
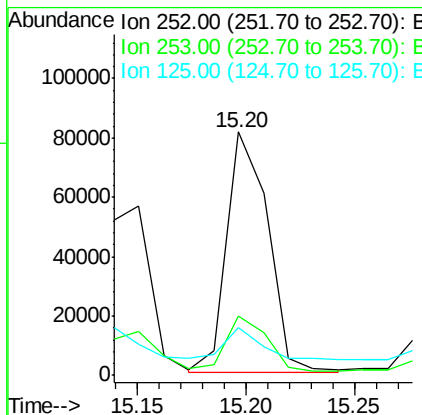
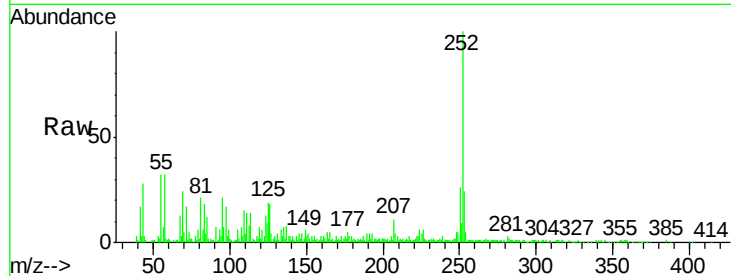
ClientSampleId :

SUP-B013(10-12.5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
252	100		106618		
253	24.4	17.3	25.9		
125	19.5	7.0	10.4		

Manual Integrations
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#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	Ion	Ratio	Resp	Lower	Upper
276	100		76920		
277	23.5	18.8	28.2		
138	23.3	17.8	26.6		

