

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\
 Data File : BF084684.D
 Acq On : 30 Jan 2016 14:22
 Operator : SJ/IZ
 Sample : H1273-06
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B010(12-13)

Manual Integrations
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Quant Time: Feb 01 02:45:30 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	167638	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	593518	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	225654	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	348817	20.00	ng	0.00
75) Chrysene-d12	13.88	240	308550	20.00	ng	0.01
86) Perylene-d12	15.28	264	376936	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1225934	110.39	ng	0.02
7) Phenol-d6	6.38	99	1413893	106.22	ng	0.01
23) Nitrobenzene-d5	7.29	82	847321	79.78	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	235563	99.60	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1204353	79.33	ng	0.00
78) Terphenyl-d14	12.83	244	781169	57.18	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.27	77	106910	13.87	ng	96
31) Naphthalene	8.03	128	136812	4.57	ng	97
37) 2-Methylnaphthalene	8.73	142	37106	2.02	ng	96
49) Dimethylphthalate	9.49	163	260721	15.39	ng	# 91
51) Acenaphthene	9.79	154	44325	2.90	ng	93
57) Fluorene	10.30	166	50660	3.27	ng	# 99
70) Phenanthrene	11.26	178	556512	28.85	ng	99
71) Anthracene	11.31	178	112645	5.74	ng	97
74) Fluoranthene	12.45	202	368787	19.34	ng	93
77) Pyrene	12.67	202	386679	16.62	ng	97
80) Benzo(a)anthracene	13.87	228	170796	8.88	ng	# 93
82) Chrysene	13.92	228	132657m	7.00	ng	
85) Indeno(1,2,3-cd)pyrene	16.59	276	81102	4.84	ng	95
87) Benzo(b)fluoranthene	14.89	252	187638m	7.69	ng	
89) Benzo(a)pyrene	15.22	252	126513	5.99	ng	# 90
91) Benzo(g,h,i)perylene	16.98	276	76172	3.97	ng	96

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

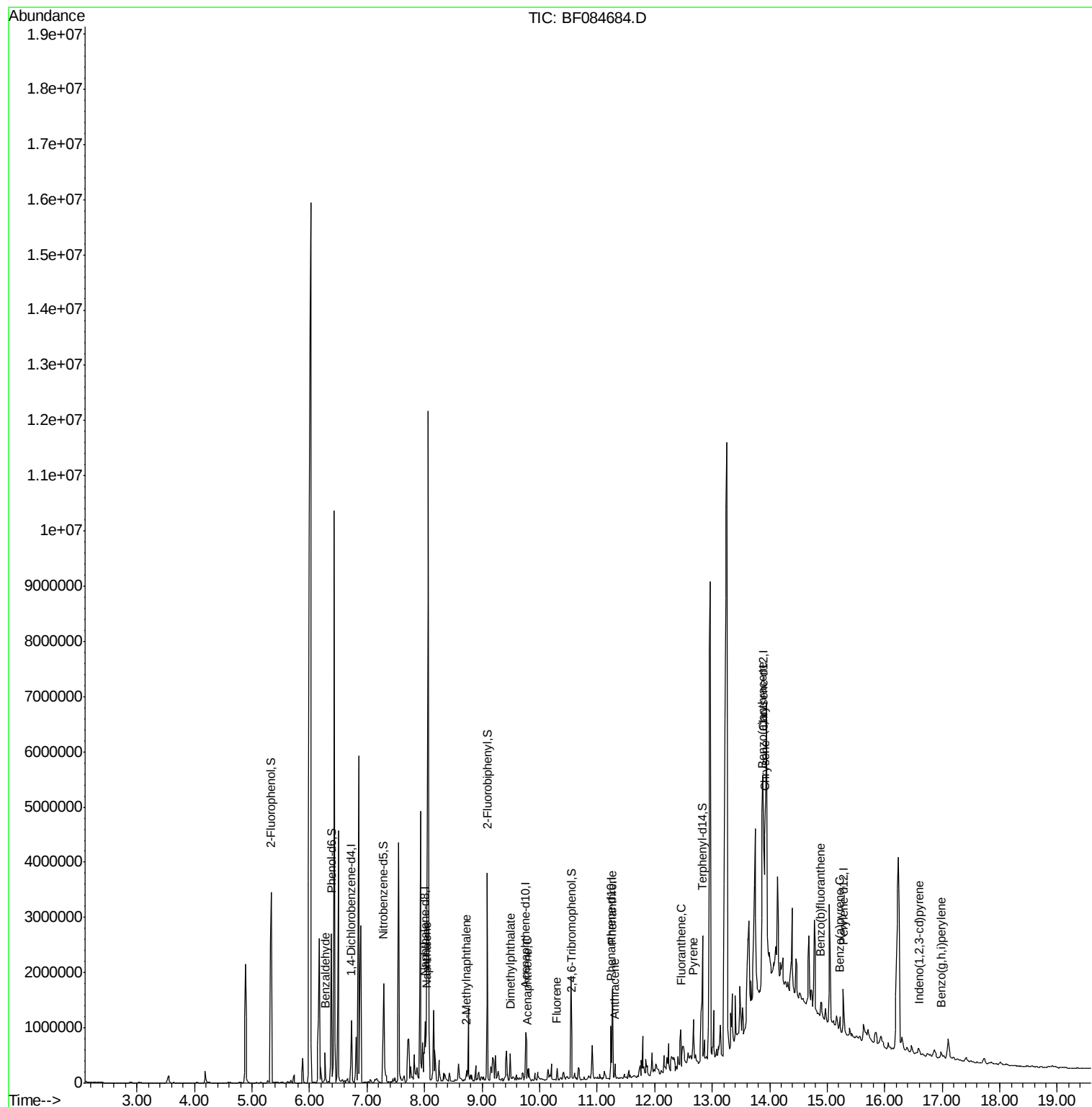
Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\
Data File : BF084684.D
Acq On : 30 Jan 2016 14:22
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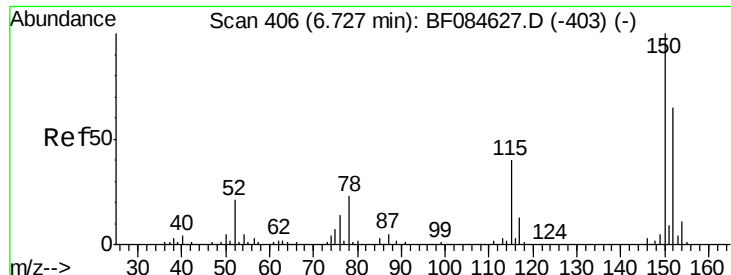
Instrument :
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#1

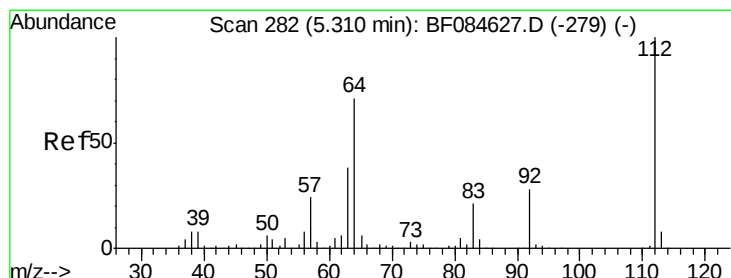
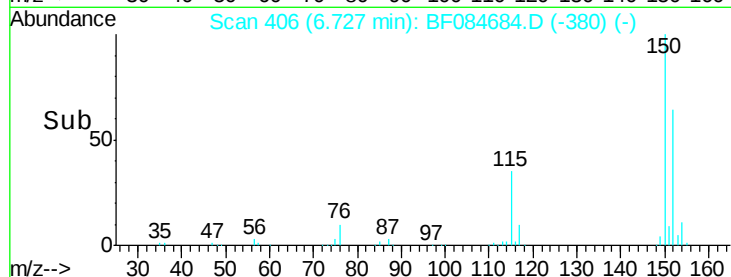
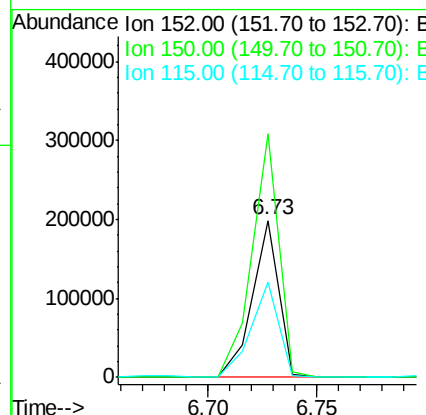
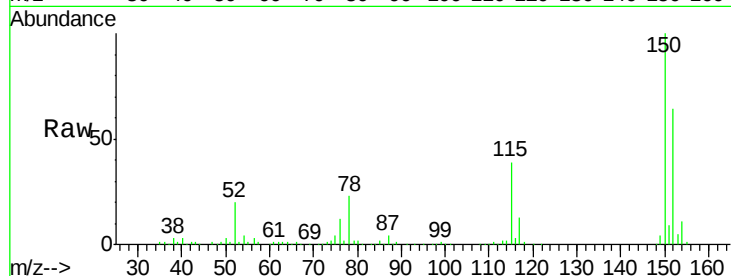
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 406
Delta R.T. -0.00 min
Lab File: BF084684.D
Acq: 30 Jan 2016 14:22

Instrument :
BNA_F
ClientSampleId :
SUP-B010(12-13)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	123.0	184.4
115	60.6	51.4	77.2

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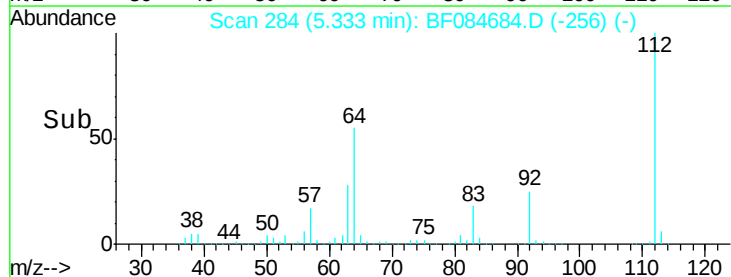
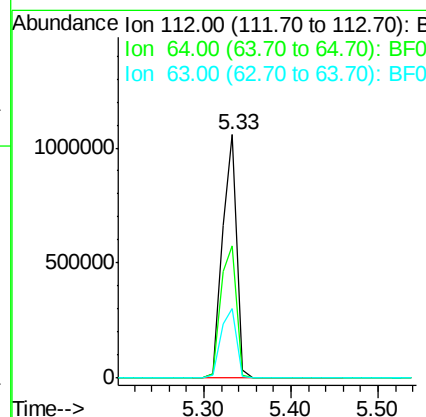
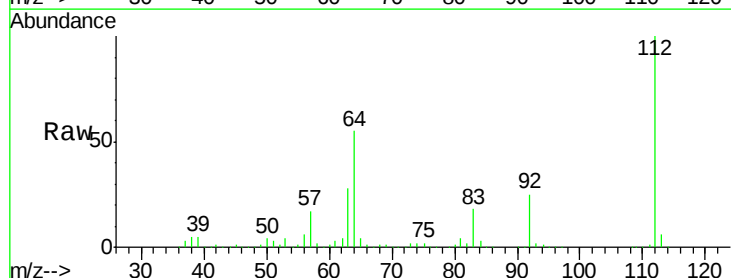
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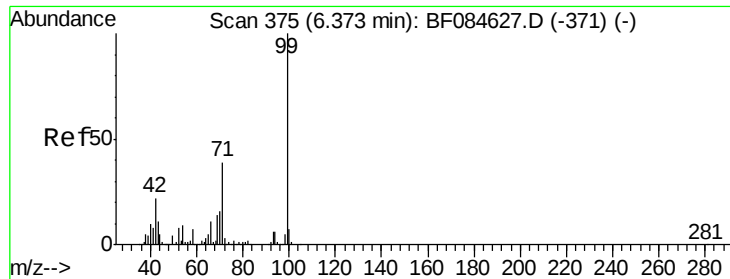


#5

2-Fluorophenol
Concen: 110.39 ng
RT: 5.33 min Scan# 284
Delta R.T. 0.02 min
Lab File: BF084684.D
Acq: 30 Jan 2016 14:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	36.6	55.0
63	28.3	19.4	29.0





#7

Phenol-d6

Concen: 106.22 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF084684.D

Acq: 30 Jan 2016 14:22

Instrument :

BNA_F

ClientSampleId :

SUP-B010(12-13)

Tot Ion: 99 Resp: 1413893

Ion Ratio Lower Upper

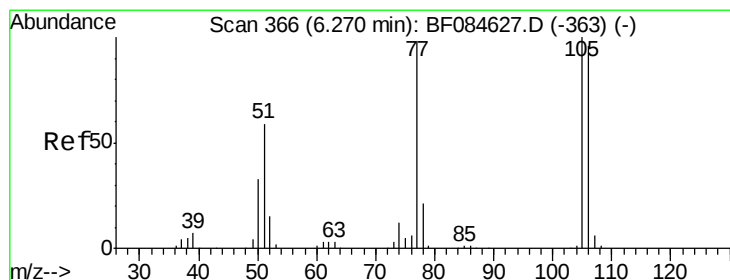
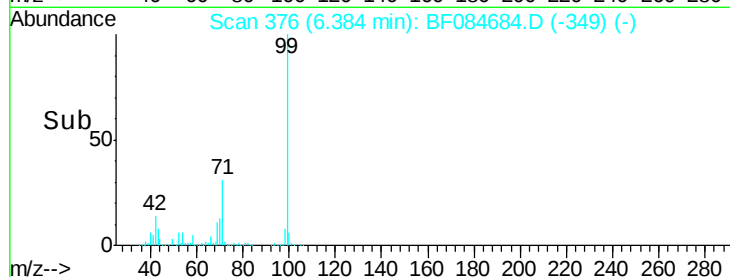
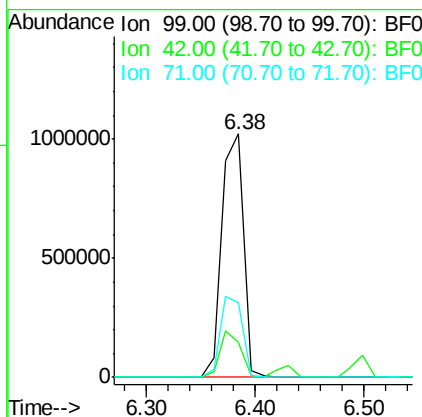
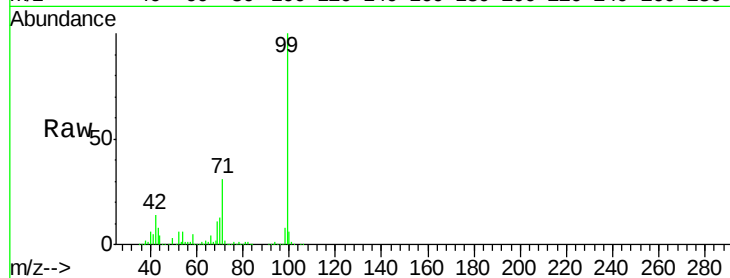
99 100

42 14.3 12.8 19.2

71 30.6 30.9 46.3#

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#9

Benzaldehyde

Concen: 13.87 ng

RT: 6.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: BF084684.D

Acq: 30 Jan 2016 14:22

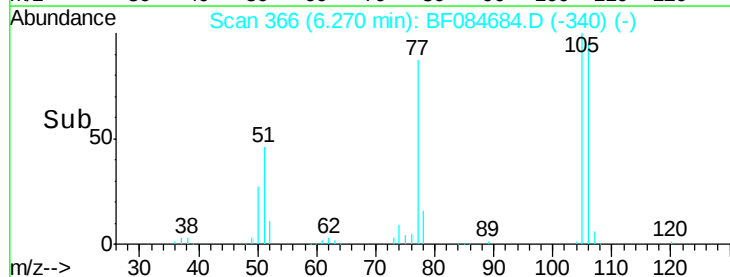
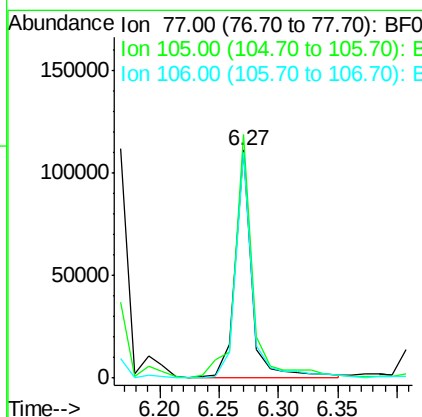
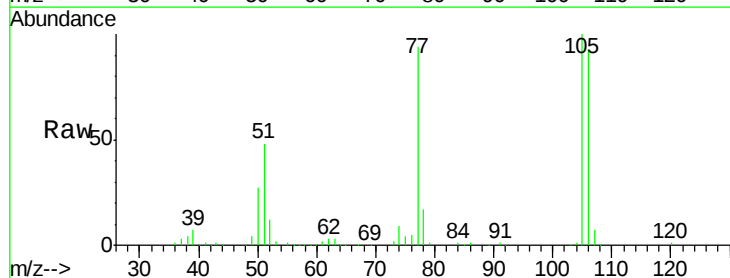
Tgt Ion: 77 Resp: 106910

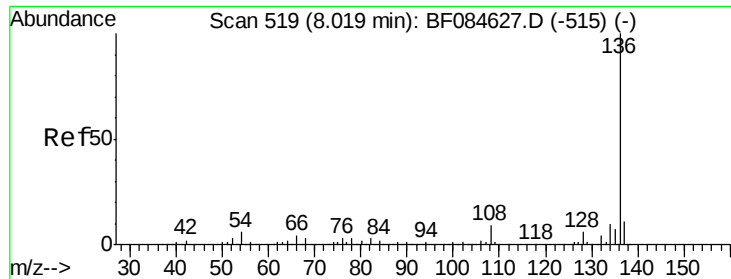
Ion Ratio Lower Upper

77 100

105 106.9 83.0 123.0

106 99.2 74.6 114.6





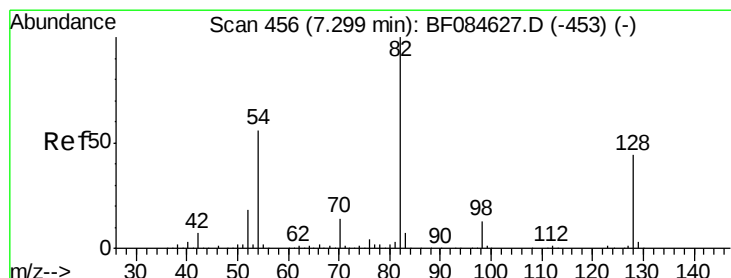
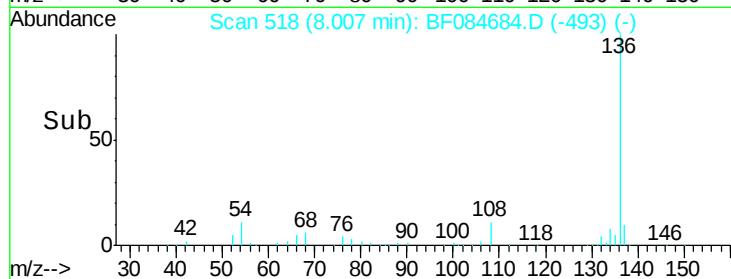
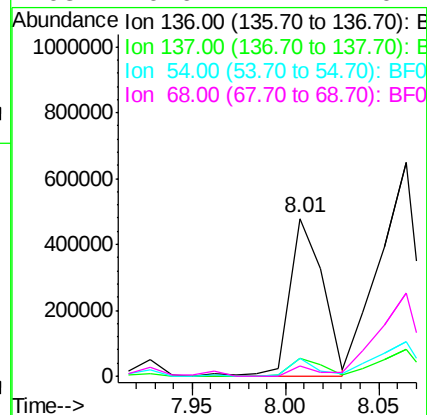
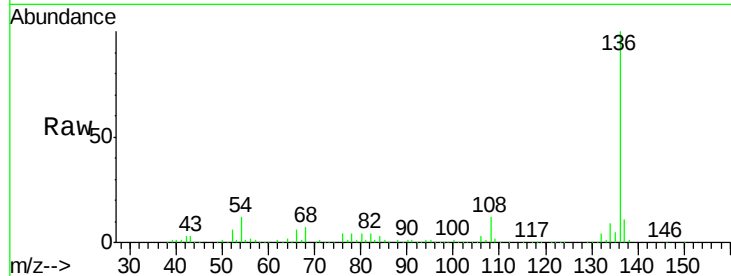
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF084684.D
Acq: 30 Jan 2016 14:22

Instrument :
BNA_F
ClientSampleId :
SUP-B010(12-13)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		593518		
137	11.4	8.7	13.1		
54	11.7	5.8	8.8#		
68	6.6	4.2	6.2#		

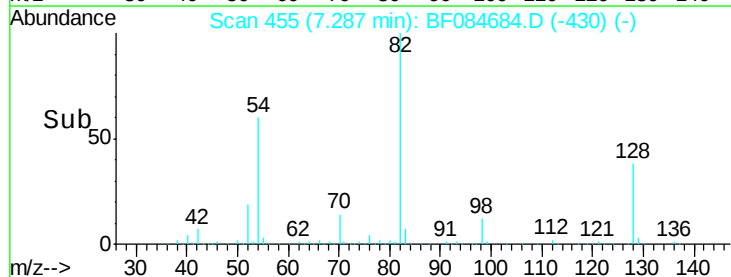
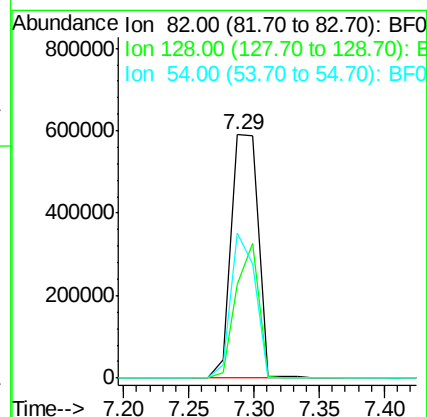
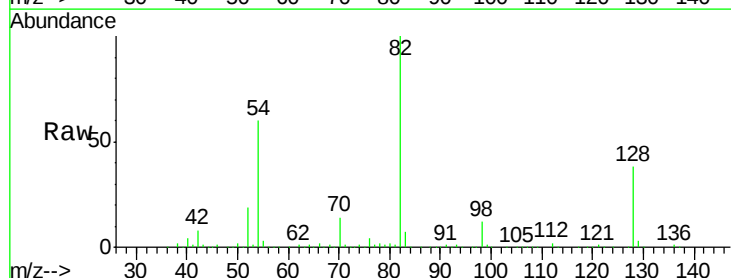
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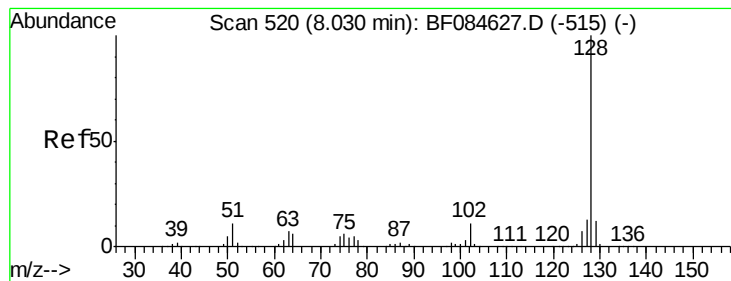
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#23
Nitrobenzene-d5
Concen: 79.78 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF084684.D
Acq: 30 Jan 2016 14:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		847321		
128	38.5	34.6	51.8		
54	59.7	38.4	57.6#		





#31

Naphthalene

Concen: 4.57 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.00 min

Lab File: BF084684.D

Acq: 30 Jan 2016 14:22

Instrument :

BNA_F

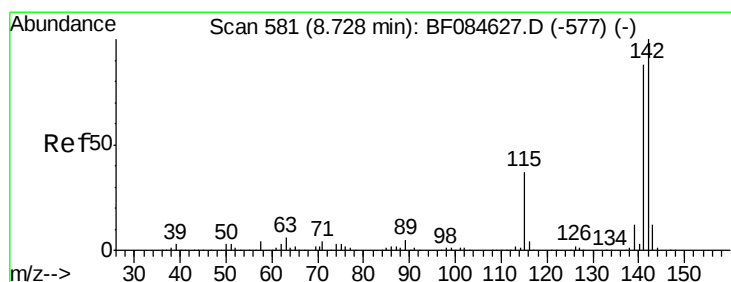
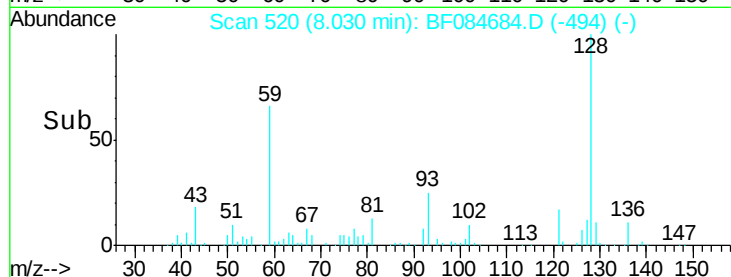
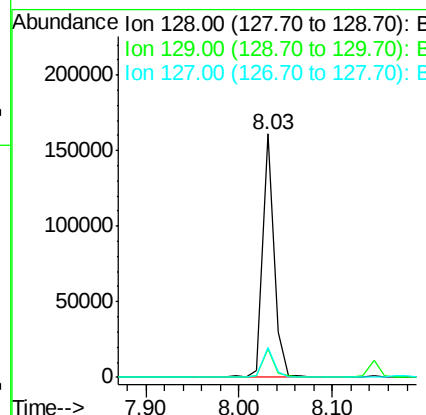
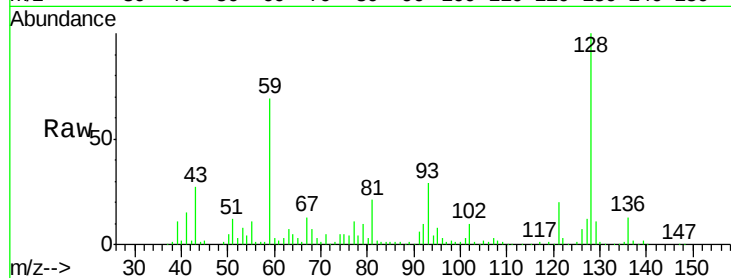
ClientSampleId :

SUP-B010(12-13)

Tot Ion:	128	Resp:	136812
Ion Ratio	Lower	Upper	
128	100		
129	11.5	9.1	13.7
127	12.0	11.1	16.7

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#37

2-Methylnaphthalene

Concen: 2.02 ng

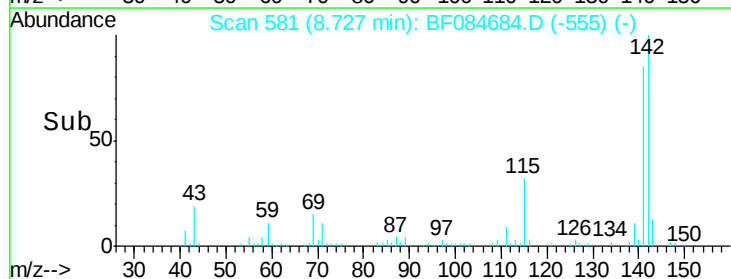
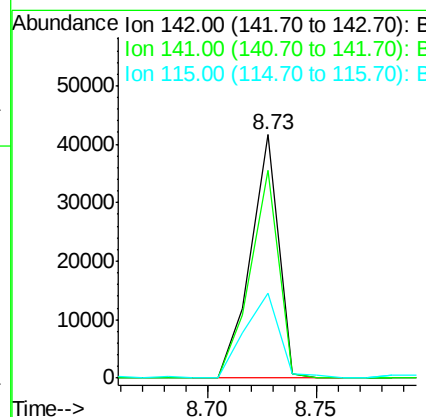
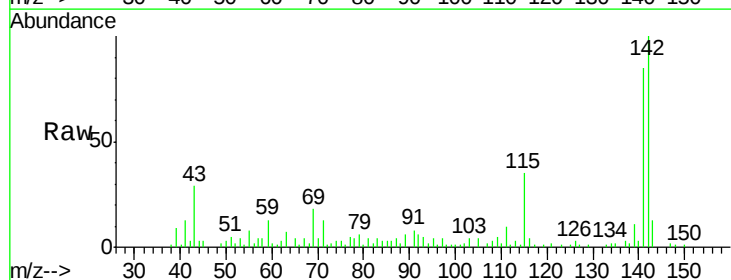
RT: 8.73 min Scan# 581

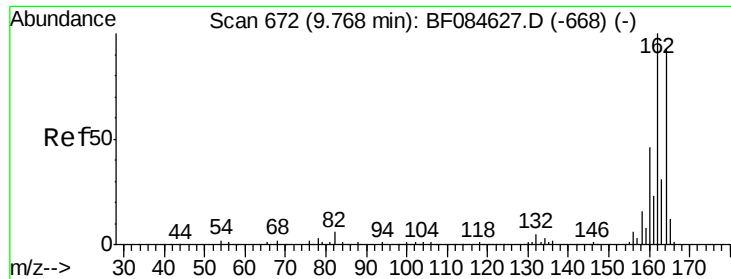
Delta R.T. -0.00 min

Lab File: BF084684.D

Acq: 30 Jan 2016 14:22

Tgt Ion:	142	Resp:	37106
Ion Ratio	Lower	Upper	
142	100		
141	85.3	72.4	108.6
115	34.7	27.9	41.9





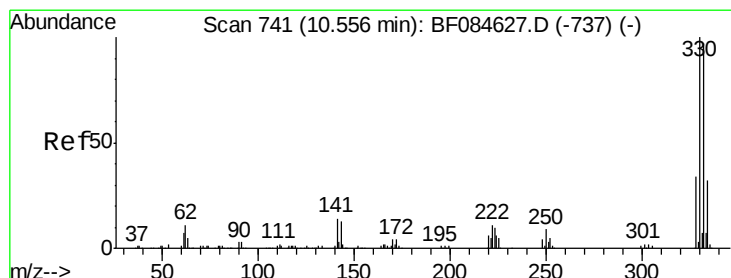
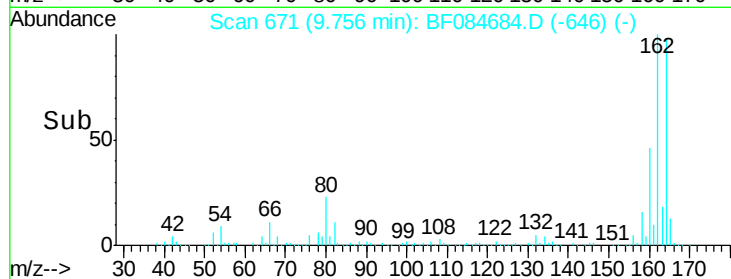
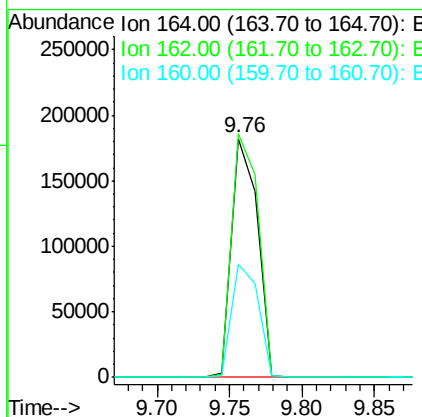
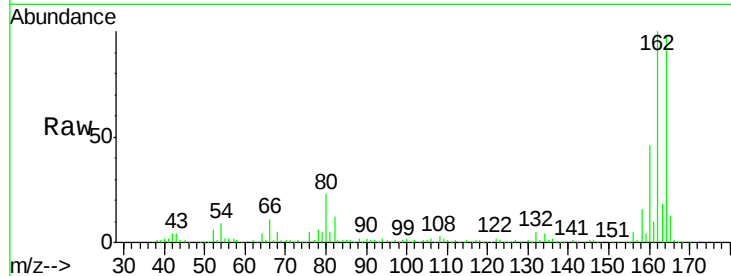
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.76 min Scan# 671
 Delta R.T. -0.01 min
 Lab File: BF084684.D
 Acq: 30 Jan 2016 14:22

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 ClientSampleId :
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Tot Ion:	164	Resp:	225654
Ion Ratio	Lower	Upper	
164	100		
162	102.0	85.1	127.7
160	47.2	37.5	56.3

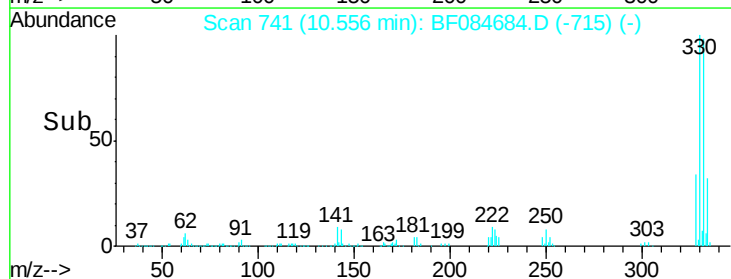
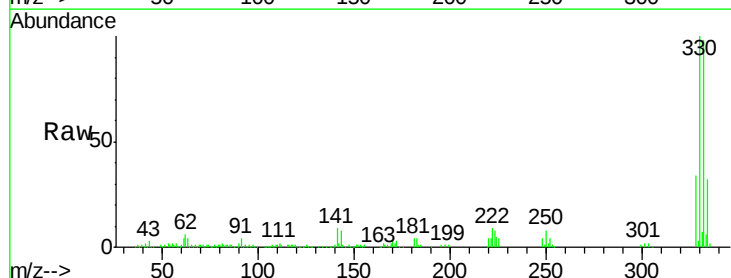
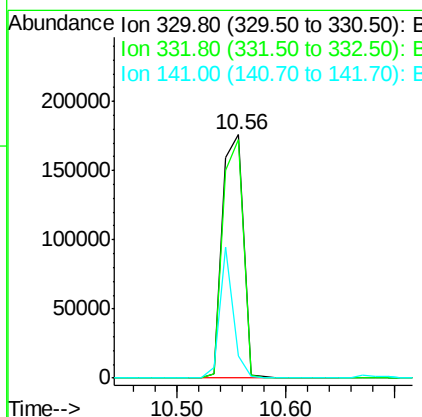
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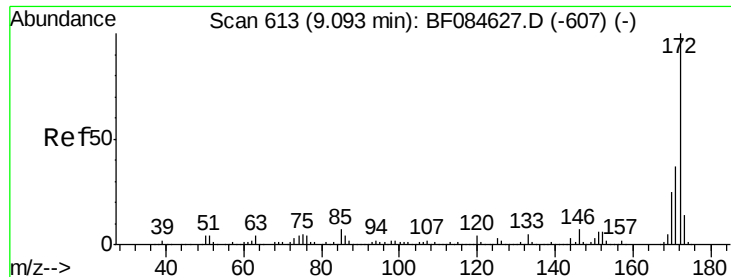
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#41
 2,4,6-Tribromophenol
 Concen: 99.60 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.00 min
 Lab File: BF084684.D
 Acq: 30 Jan 2016 14:22

Tgt Ion:	330	Resp:	235563
Ion Ratio	Lower	Upper	
330	100		
332	95.9	76.6	114.8
141	35.5	27.8	41.6





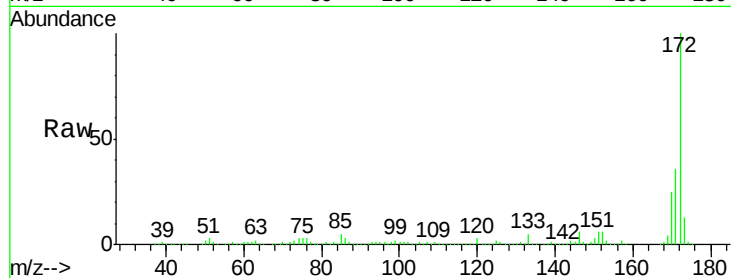
#44
2-Fluorobiphenyl
Concen: 79.33 ng
RT: 9.09 min Scan# 613
Delta R.T. -0.00 min
Lab File: BF084684.D
Acq: 30 Jan 2016 14:22

Instrument :
BNA_F
ClientSampleId :
SUP-B010(12-13)

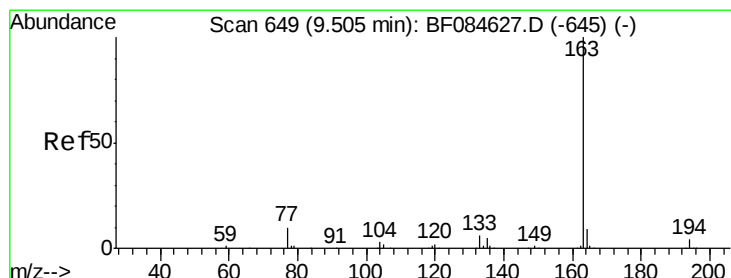
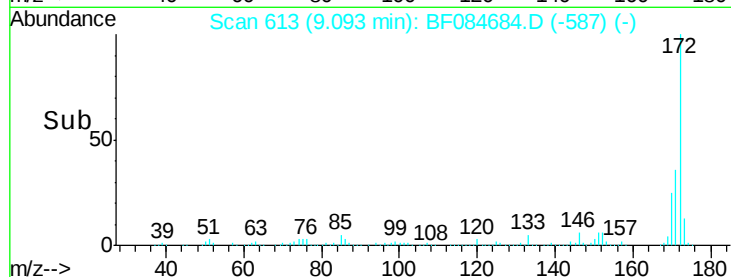
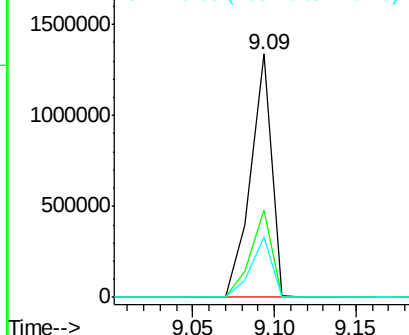
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.9	43.3
170	24.7	18.6	27.8

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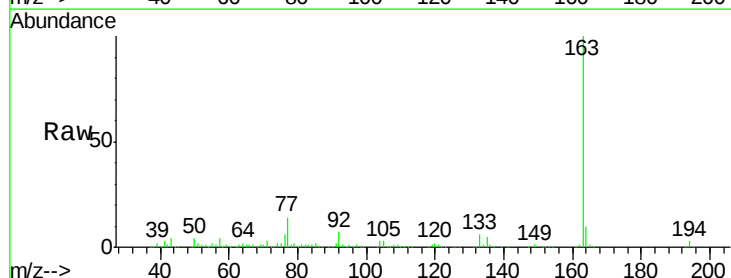


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

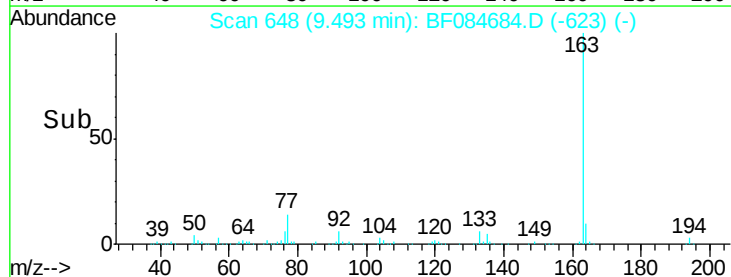
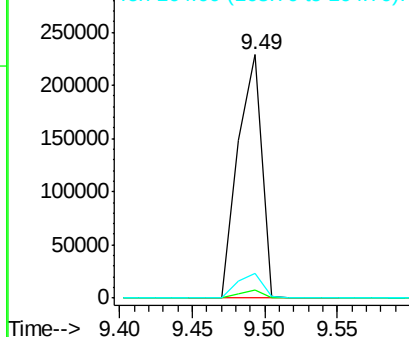


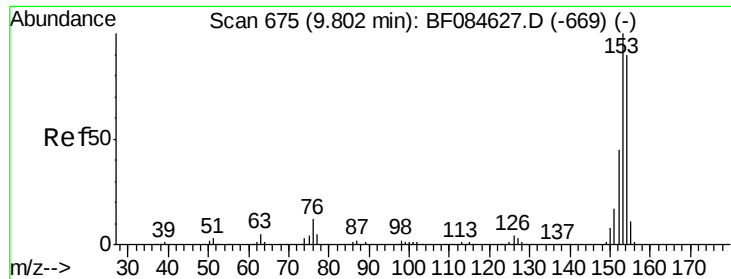
#49
Dimethylphthalate
Concen: 15.39 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF084684.D
Acq: 30 Jan 2016 14:22

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	8.0	12.0#
164	10.2	8.0	12.0



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





#51

Acenaphthene

Concen: 2.90 ng

RT: 9.79 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF084684.D

Acq: 30 Jan 2016 14:22

Instrument :

BNA_F

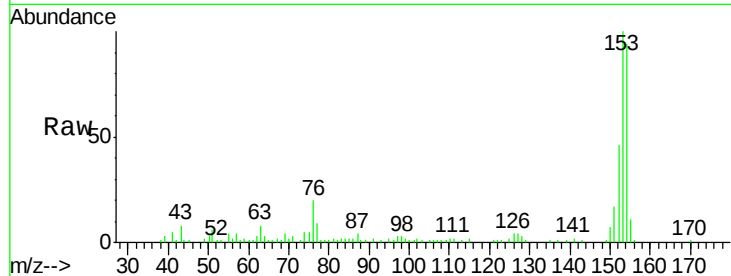
ClientSampleId :

SUP-B010(12-13)

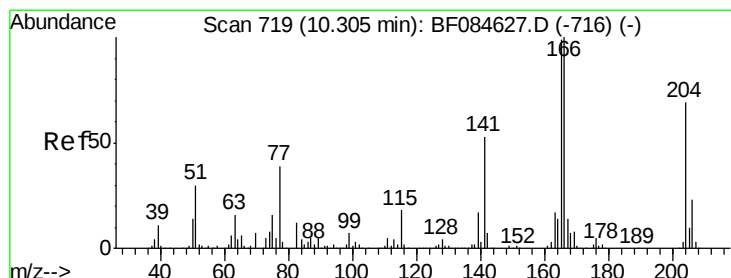
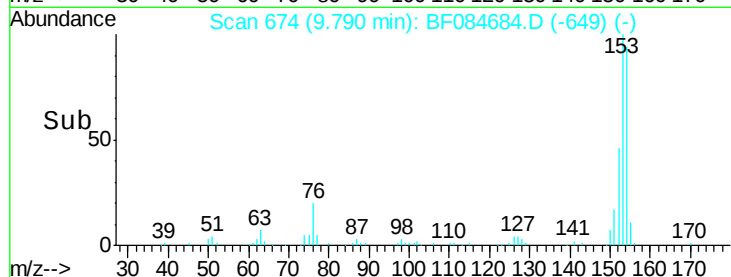
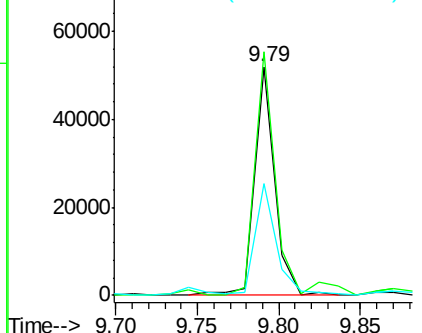
Tot Ion:	154	Resp:	44325
Ion Ratio	Lower	Upper	
154	100		
153	106.5	91.5	137.3
152	49.0	43.0	64.6

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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



#57

Fluorene

Concen: 3.27 ng

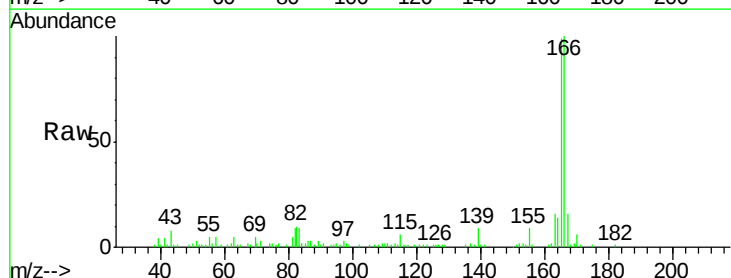
RT: 10.30 min Scan# 719

Delta R.T. -0.00 min

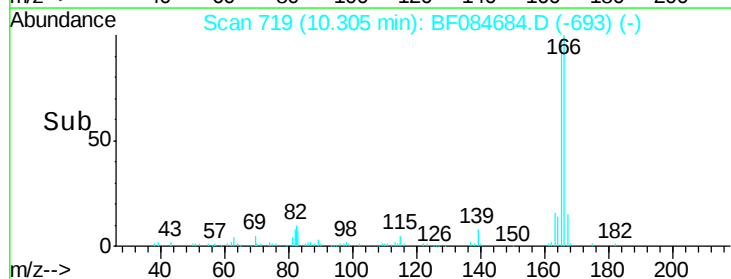
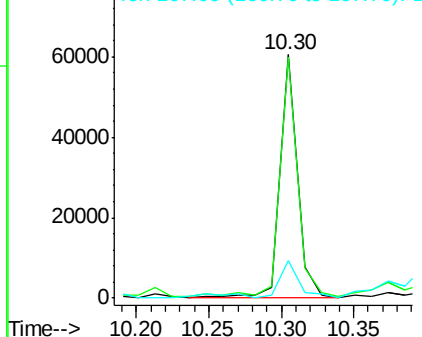
Lab File: BF084684.D

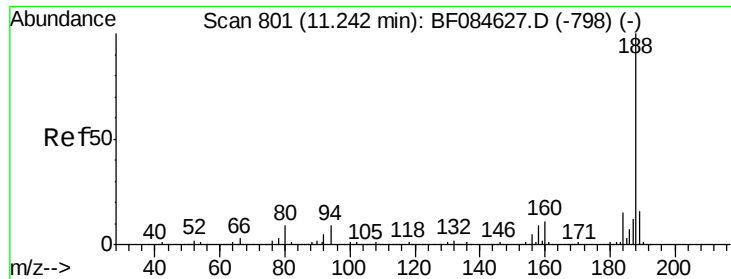
Acq: 30 Jan 2016 14:22

Tgt Ion:	166	Resp:	50660
Ion Ratio	Lower	Upper	
166	100		
165	99.2	79.1	118.7
167	15.6	10.4	15.6#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.24 min Scan# 801

Delta R.T. -0.00 min

Lab File: BF084684.D

Acq: 30 Jan 2016 14:22

Instrument :

BNA_F

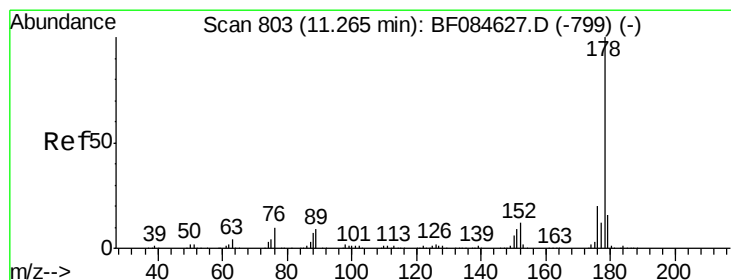
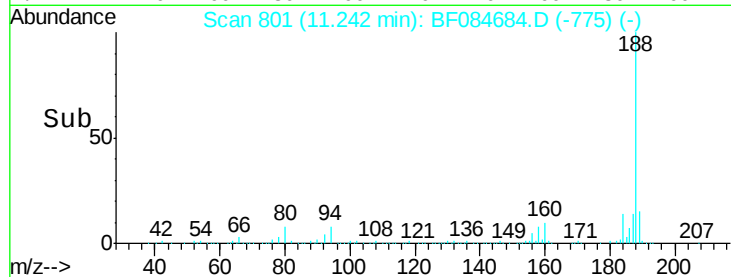
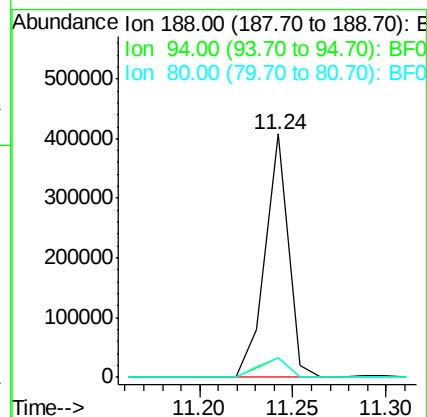
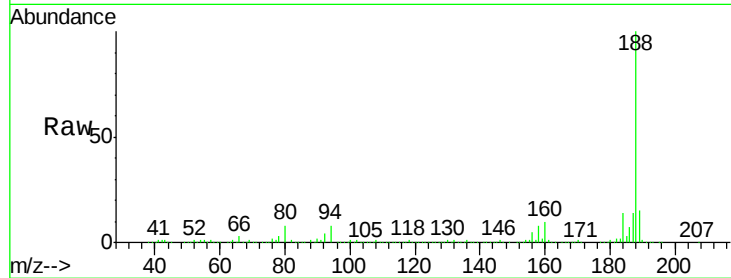
ClientSampleId :

SUP-B010(12-13)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
188	100		348817		
94	7.9	9.0	13.4#		
80	7.9	9.6	14.4#		

Manual Integrations
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#70

Phenanthrene

Concen: 28.85 ng

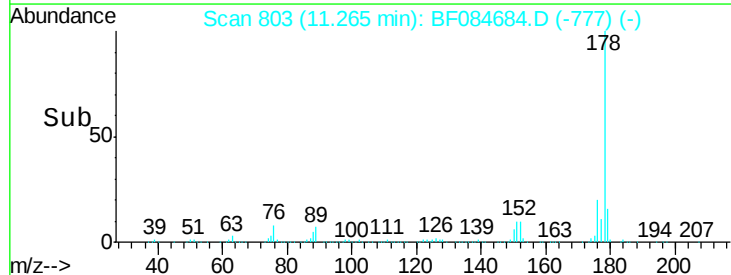
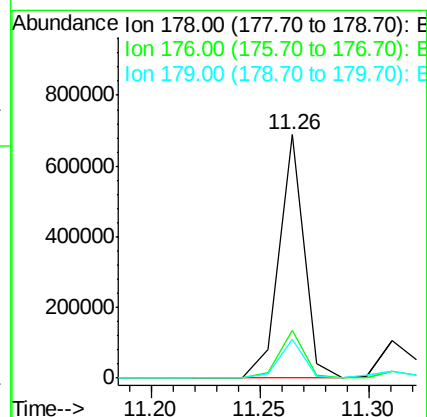
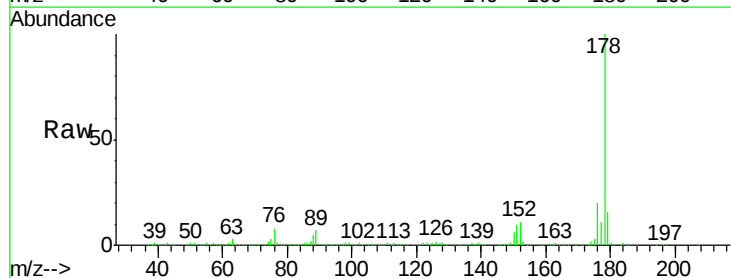
RT: 11.26 min Scan# 803

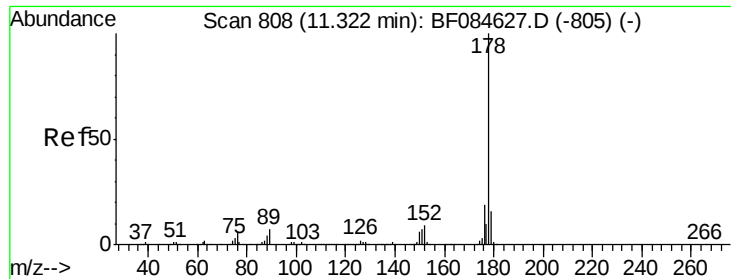
Delta R.T. -0.00 min

Lab File: BF084684.D

Acq: 30 Jan 2016 14:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		556512		
176	19.7	15.3	22.9		
179	15.7	12.0	18.0		





#71

Anthracene

Concen: 5.74 ng

RT: 11.31 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF084684.D

Acq: 30 Jan 2016 14:22

Instrument :

BNA_F

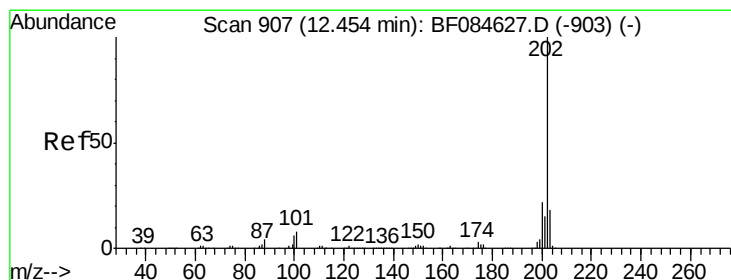
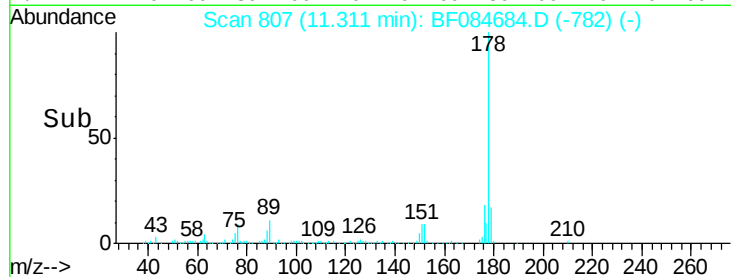
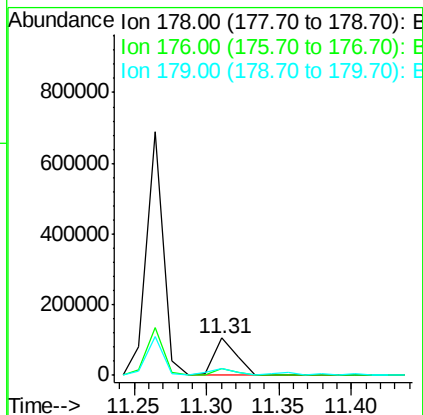
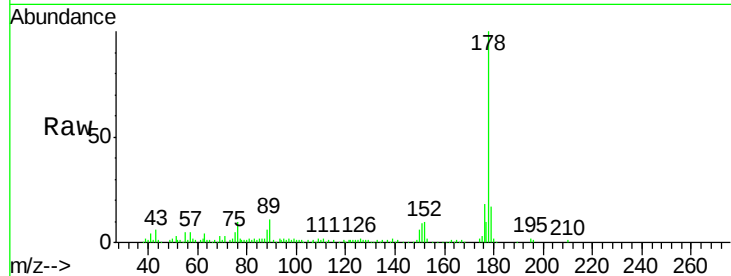
ClientSampleId :

SUP-B010(12-13)

Tot Ion:	178	Resp:	112645
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.4	23.0
179	17.2	12.5	18.7

Manual Integrations
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#74

Fluoranthene

Concen: 19.34 ng

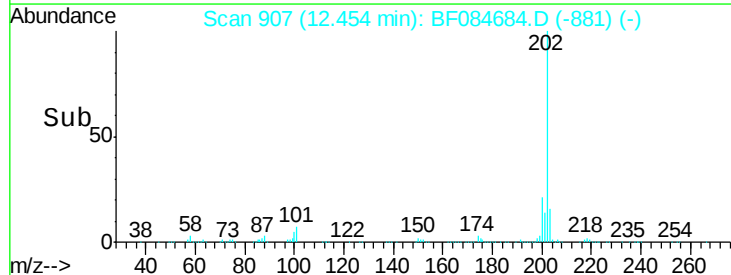
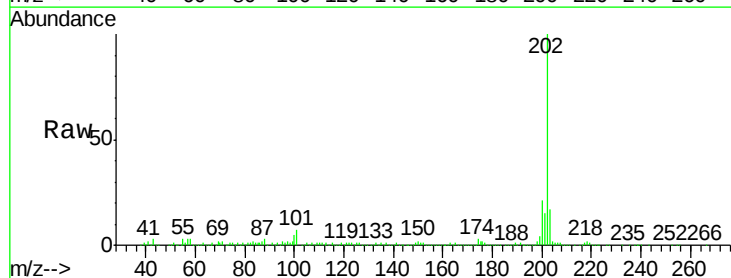
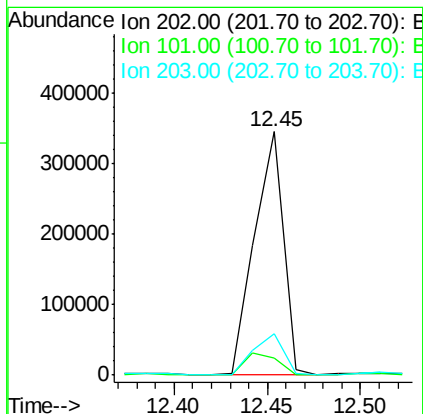
RT: 12.45 min Scan# 907

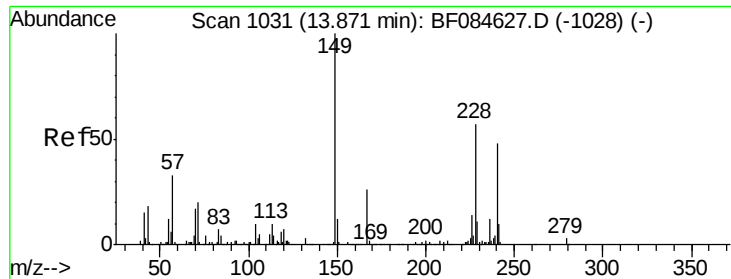
Delta R.T. -0.00 min

Lab File: BF084684.D

Acq: 30 Jan 2016 14:22

Tgt Ion:	202	Resp:	368787
Ion Ratio	Lower	Upper	
202	100		
101	7.0	0.0	32.8
203	17.0	0.0	37.9





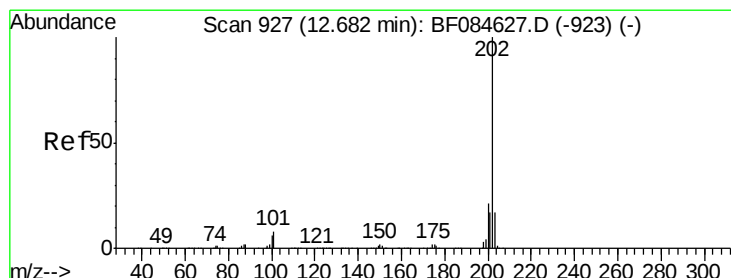
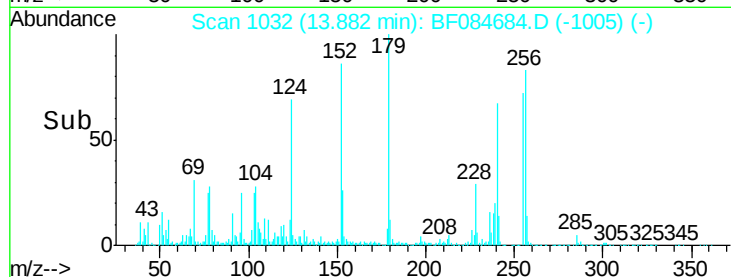
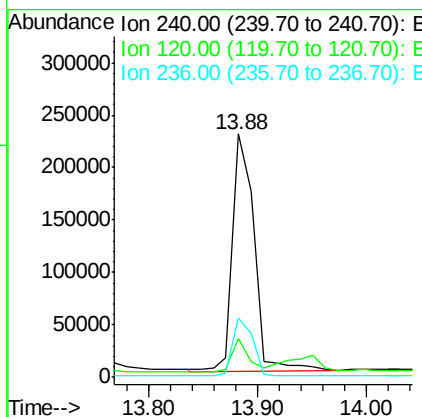
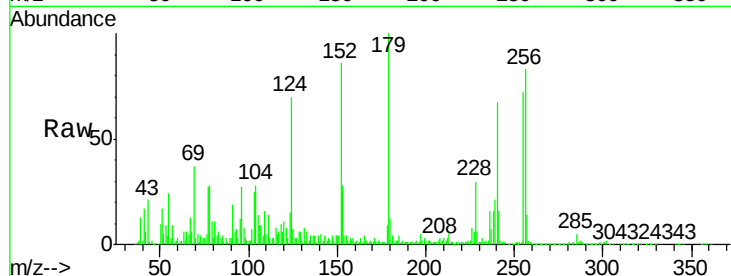
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.88 min Scan# 1032
Delta R.T. 0.01 min
Lab File: BF084684.D
Acq: 30 Jan 2016 14:22

Instrument :
BNA_F
ClientSampleId :
SUP-B010(12-13)

Tot Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	16.0	9.5	14.3#
236	24.3	20.6	31.0

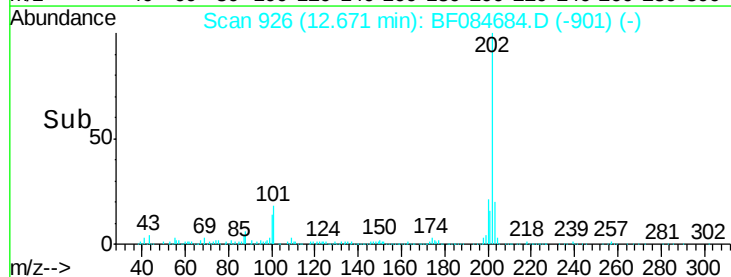
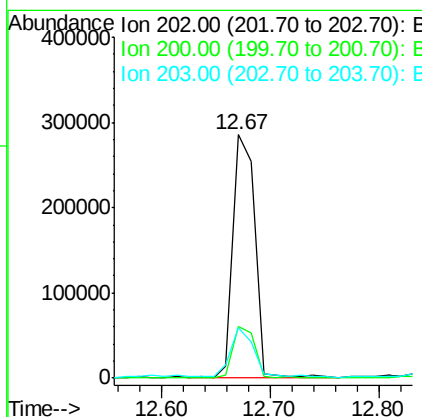
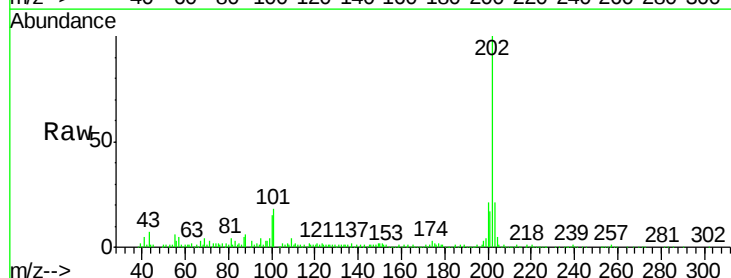
Manual Integrations
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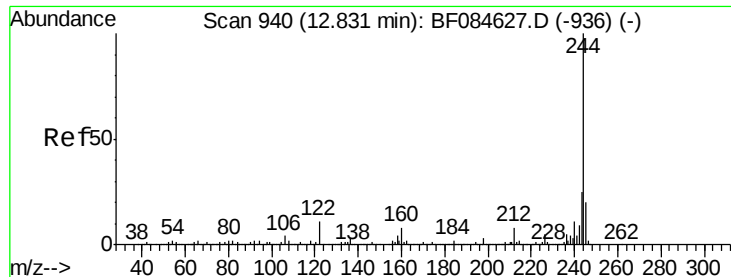
mohammad
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#77
Pyrene
Concen: 16.62 ng
RT: 12.67 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF084684.D
Acq: 30 Jan 2016 14:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.1	17.2	25.8
203	20.7	14.3	21.5





#78

Terphenyl-d14

Concen: 57.18 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.00 min

Lab File: BF084684.D

Acq: 30 Jan 2016 14:22

Instrument :

BNA_F

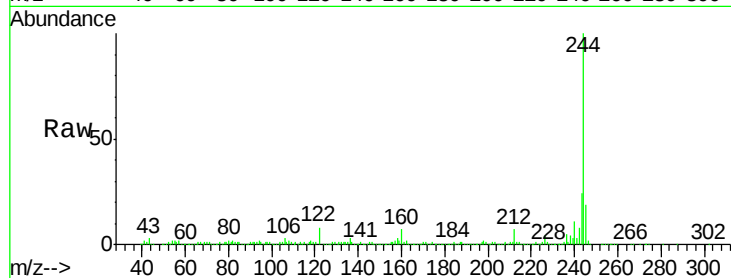
ClientSampleId :

SUP-B010(12-13)

Tot Ion:	244	Resp:	781169
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.7	8.5
122	8.4	7.4	11.0

Manual Integrations
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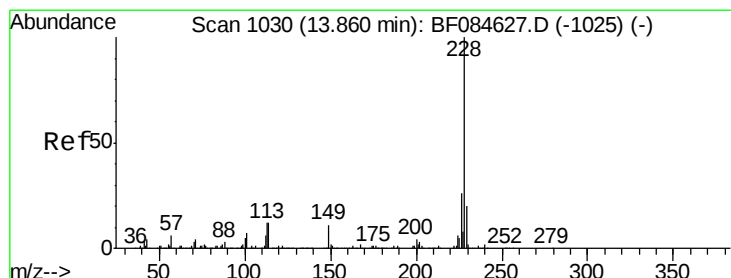
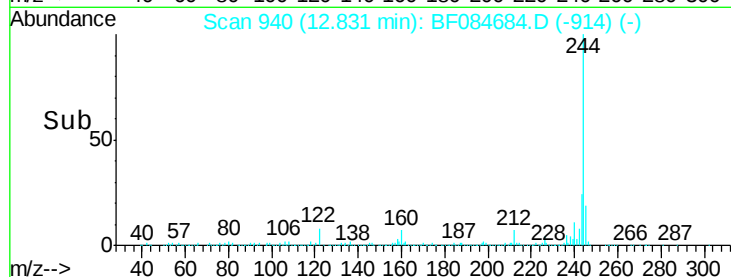
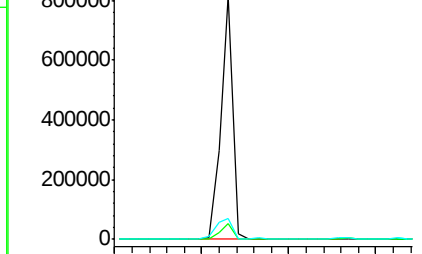
mohammad
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 8.88 ng

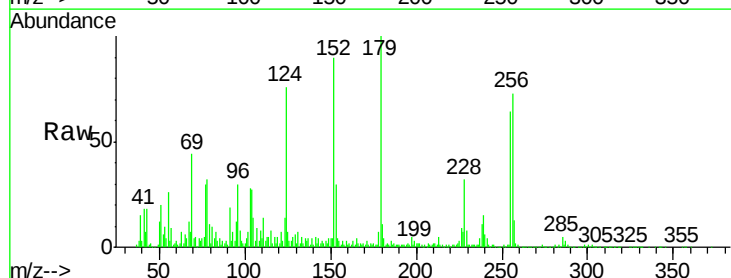
RT: 13.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: BF084684.D

Acq: 30 Jan 2016 14:22

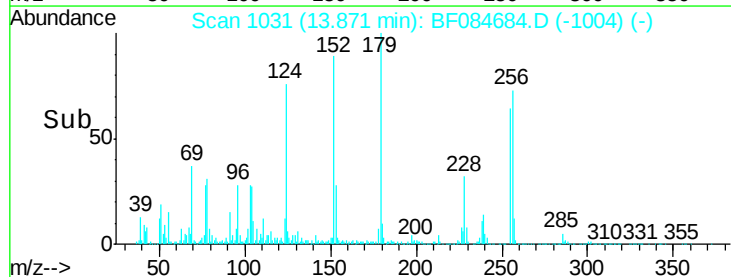
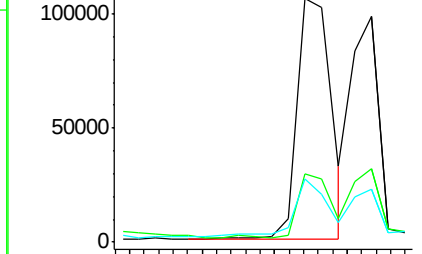
Tgt Ion:	228	Resp:	170796
Ion Ratio	Lower	Upper	
228	100		
226	28.0	21.8	32.6
229	26.2	15.8	23.8#

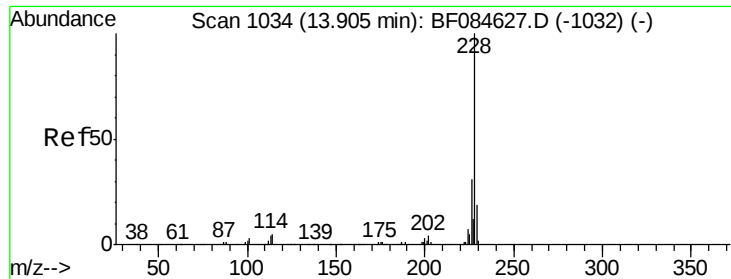


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





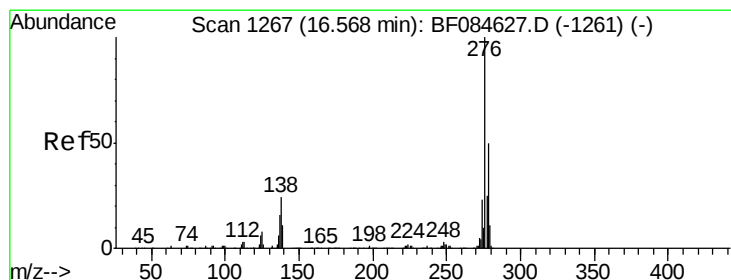
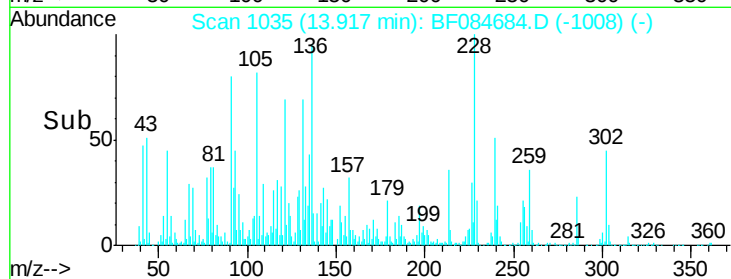
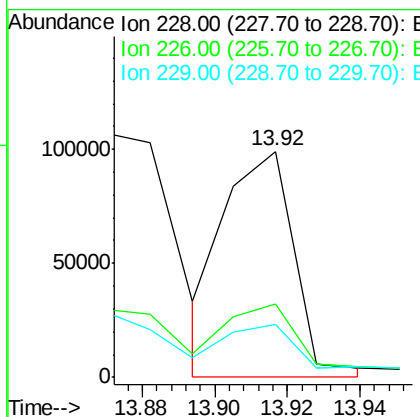
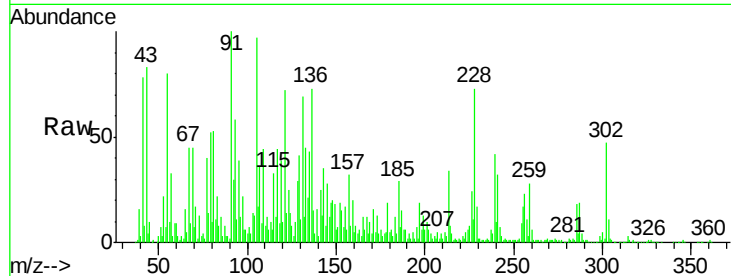
#82
Chrysene
Concen: 7.00 ng/mL
RT: 13.92 min Scan# 1035
Delta R.T. 0.01 min
Lab File: BF084684.D
Acq: 30 Jan 2016 14:22

Instrument :
BNA_F
ClientSampleId :
SUP-B010(12-13)

Tot Ion:	228	Resp:	132657
Ion Ratio	Lower	Upper	
228	100		
226	32.7	24.3	36.5
229	23.5	16.1	24.1

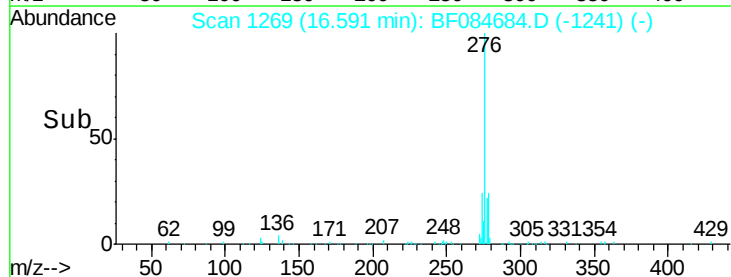
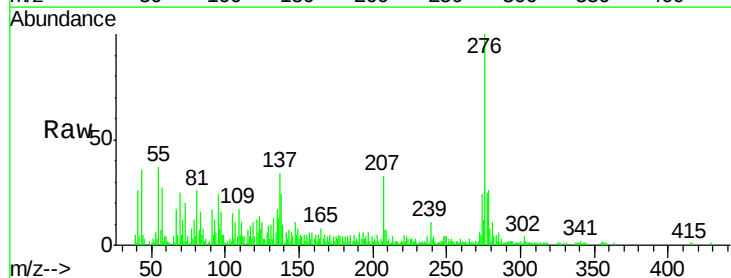
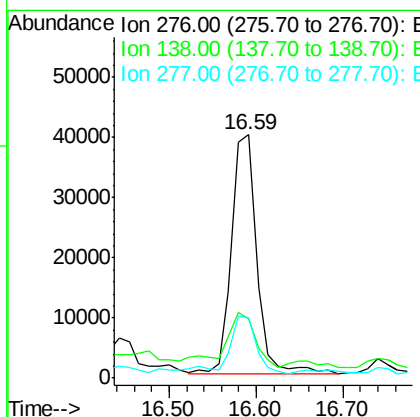
Manual Integrations
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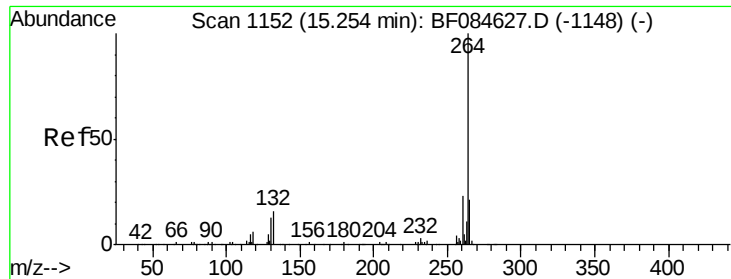
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.84 ng/mL
RT: 16.59 min Scan# 1269
Delta R.T. 0.02 min
Lab File: BF084684.D
Acq: 30 Jan 2016 14:22

Tgt Ion:	276	Resp:	81102
Ion Ratio	Lower	Upper	
276	100		
138	27.6	20.6	30.8
277	27.9	20.1	30.1





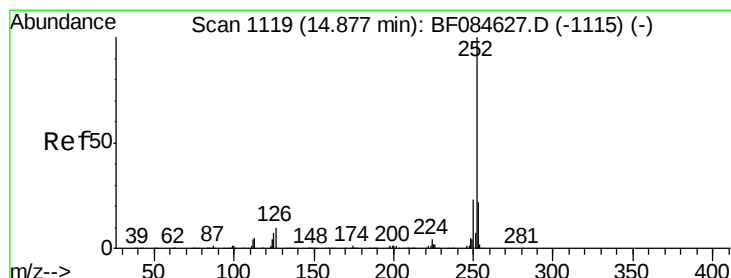
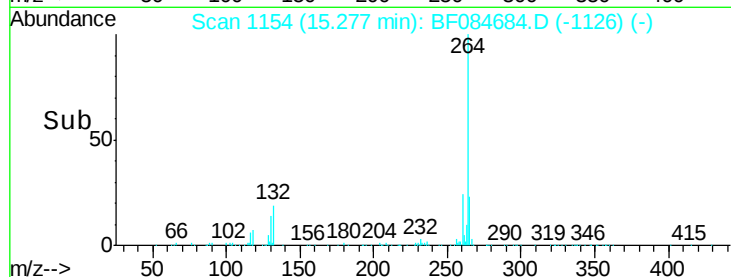
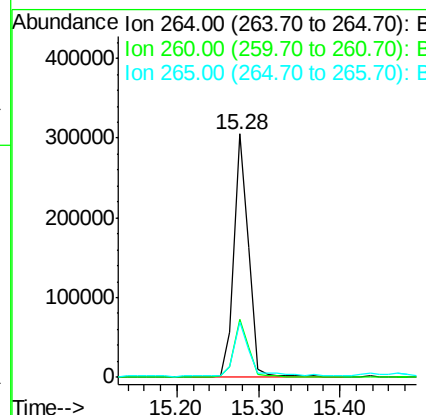
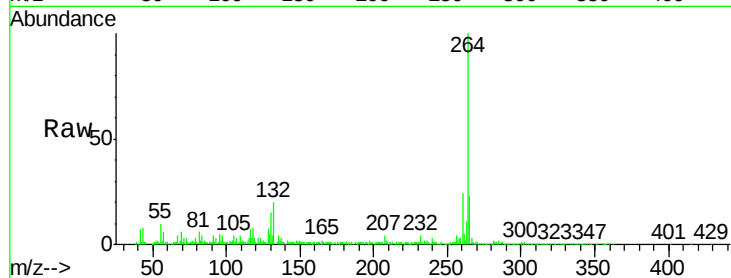
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 1154
Delta R.T. 0.02 min
Lab File: BF084684.D
Acq: 30 Jan 2016 14:22

Instrument :
BNA_F
ClientSampleId :
SUP-B010(12-13)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	23.0	17.8	26.6

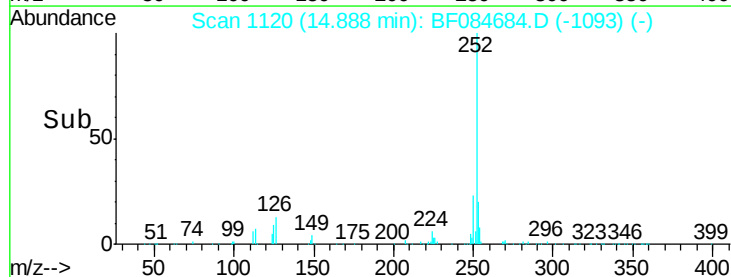
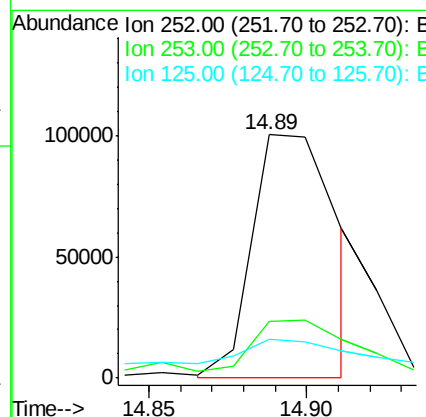
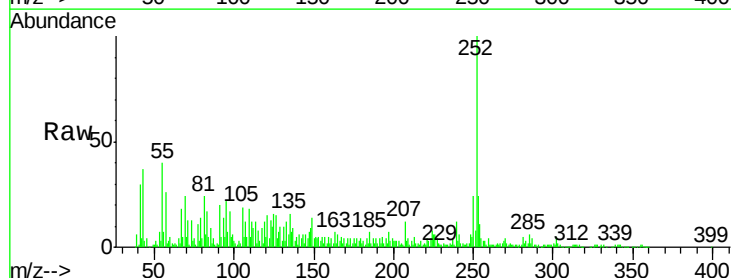
Manual Integrations
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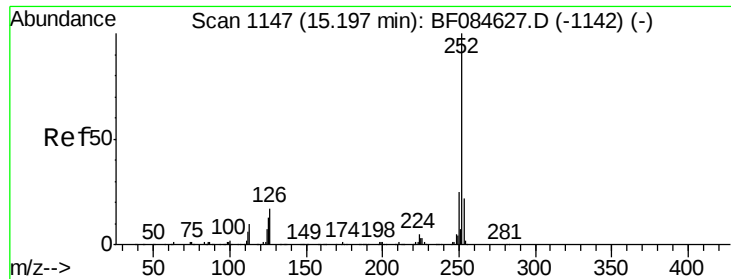
mohammad
2/1/2016 2:26:16 PM



#87
Benzo(b)fluoranthene
Concen: 7.69 ng m
RT: 14.89 min Scan# 1120
Delta R.T. 0.01 min
Lab File: BF084684.D
Acq: 30 Jan 2016 14:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.3	25.9
125	15.8	6.5	9.7#





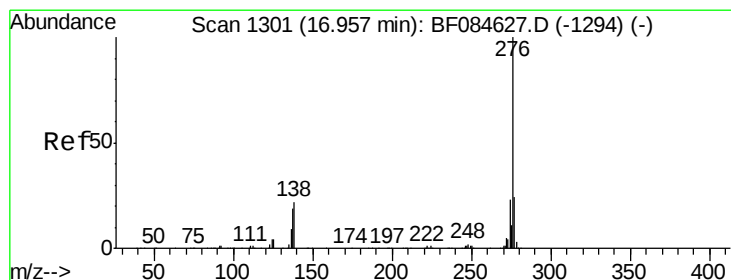
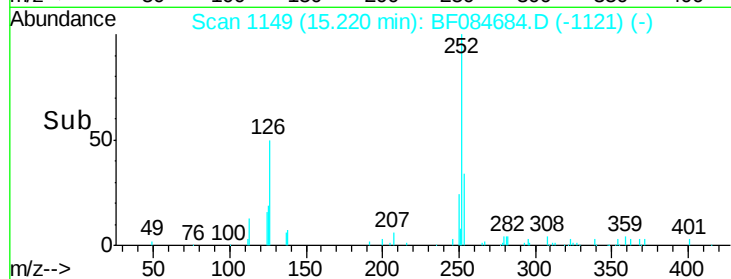
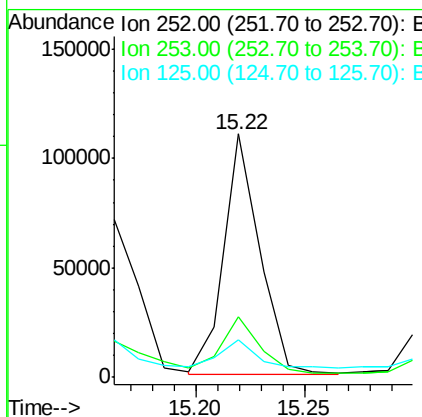
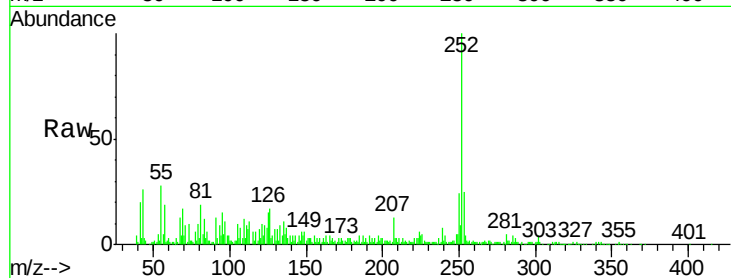
#89
Benzo(a)pyrene
Concen: 5.99 ng
RT: 15.22 min Scan# 1149
Delta R.T. 0.02 min
Lab File: BF084684.D
Acq: 30 Jan 2016 14:22

Instrument :
BNA_F
ClientSampleId :
SUP-B010(12-13)

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.9	17.3	25.9
125	15.3	7.0	10.4

Manual Integrations
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2/1/2016 2:26:16 PM



#91
Benzo(g,h,i)perylene
Concen: 3.97 ng
RT: 16.98 min Scan# 1303
Delta R.T. 0.02 min
Lab File: BF084684.D
Acq: 30 Jan 2016 14:22

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	23.9	18.8	28.2
138	25.9	17.8	26.6

