

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
 Data File : BF084996.D
 Acq On : 10 Feb 2016 16:44
 Operator : SJ/IZ
 Sample : H1386-01RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B005(0-2)RE

Manual Integrations
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 2/11/2016 1:28:38 PM

Quant Time: Feb 11 00:30:43 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 10 13:28:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	149946	20.00	ng	0.00
21) Naphthalene-d8	7.91	136	597973	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	250894	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	422951	20.00	ng	0.00
75) Chrysene-d12	13.77	240	307046	20.00	ng	0.00
86) Perylene-d12	15.13	264	282368	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	205008	21.30	ng	0.01
7) Phenol-d6	6.27	99	1150353	96.39	ng	-0.01
23) Nitrobenzene-d5	7.20	82	888729	83.72	ng	0.00
41) 2,4,6-Tribromophenol	10.44	330	10859	4.15	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	1365478	95.69	ng	0.00
78) Terphenyl-d14	12.73	244	927803	68.47	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.39	163	287662	15.05	ng	# 91
51) Acenaphthene	9.69	154	46769	2.87	ng	95
54) Dibenzofuran	9.86	168	46801	2.35	ng	# 91
57) Fluorene	10.20	166	34078	2.05	ng	98
70) Phenanthrene	11.16	178	564706	24.07	ng	100
71) Anthracene	11.21	178	152324	6.44	ng	99
72) Carbazole	11.37	167	58810	2.85	ng	99
74) Fluoranthene	12.34	202	551009	23.21	ng	99
77) Pyrene	12.57	202	507505	21.59	ng	100
80) Benzo(a)anthracene	13.76	228	212801	11.17	ng	96
82) Chrysene	13.79	228	198999m	10.77	ng	
85) Indeno(1,2,3-cd)pyrene	16.39	276	91408	6.28	ng	95
87) Benzo(b)fluoranthene	14.77	252	228937m	12.07	ng	
88) Benzo(k)fluoranthene	14.79	252	68460m	4.36	ng	
89) Benzo(a)pyrene	15.07	252	157888	9.77	ng	# 91
91) Benzo(g,h,i)perylene	16.77	276	88489	6.46	ng	97

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

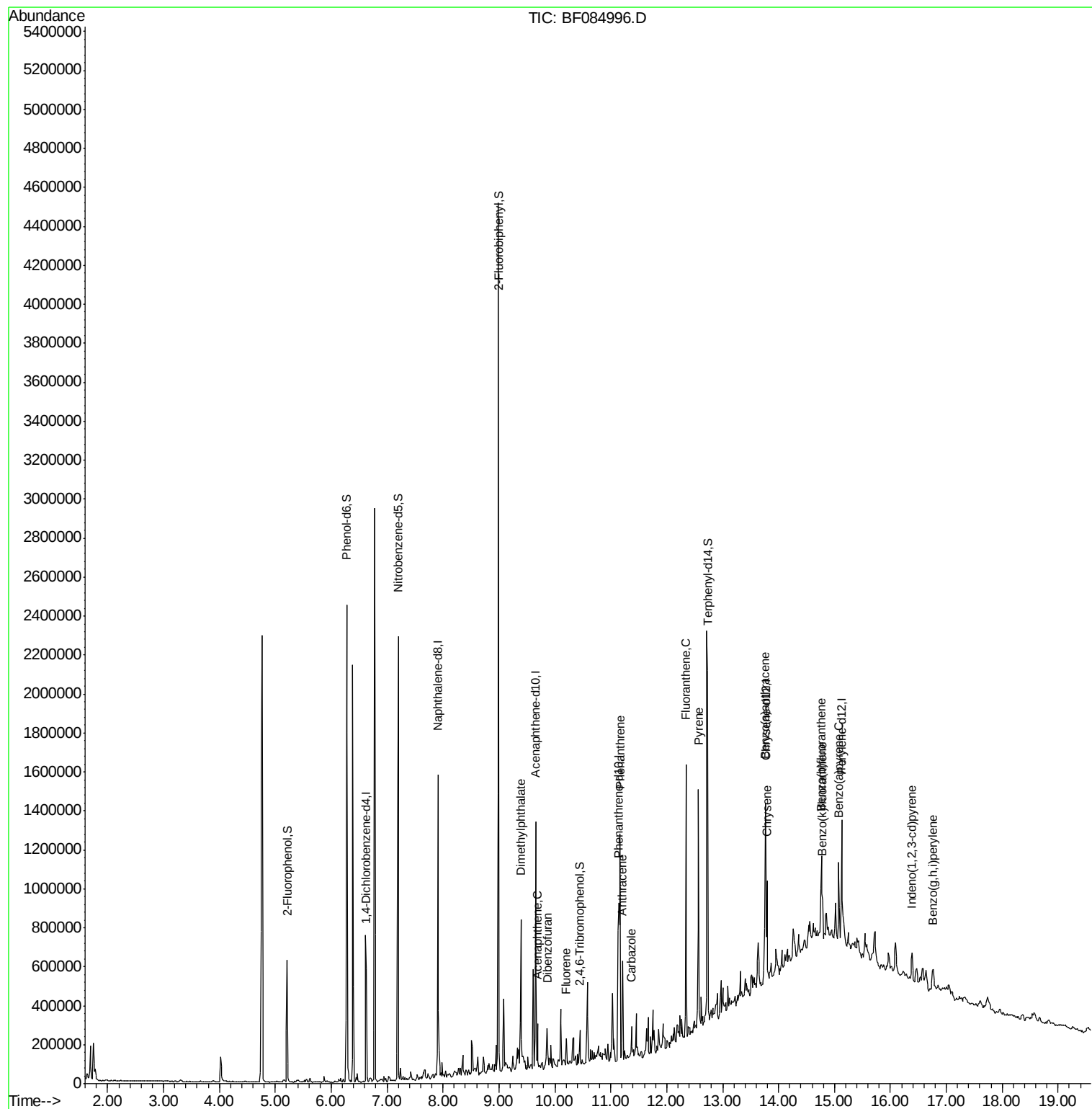
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
Data File : BF084996.D
Acq On : 10 Feb 2016 16:44
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Misc :
ALS Vial : 14 Sample Multiplier: 1

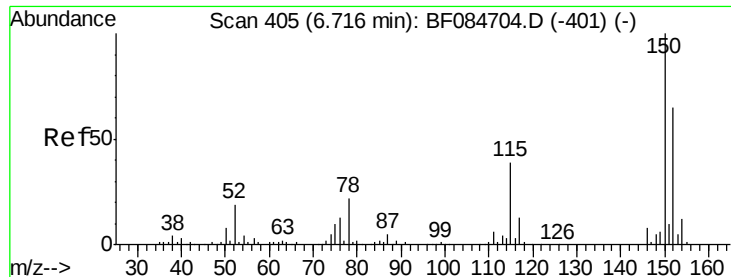
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Quant Time: Feb 11 00:30:43 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 10 13:28:51 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 441

Delta R.T. -0.00 min

Lab File: BF084996.D

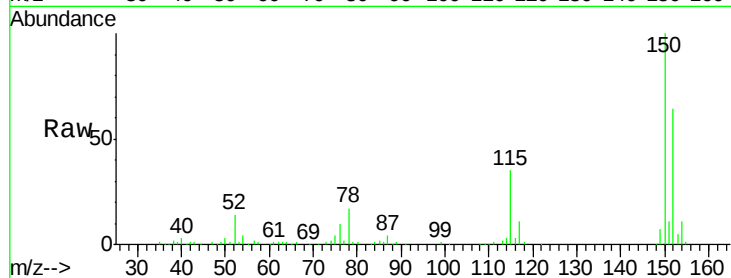
Acq: 10 Feb 2016 16:44

Instrument :

BNA_F

ClientSampleId :

S4-B005(0-2)RE



Tgt Ion:152 Resp: 149946

Ion Ratio Lower Upper

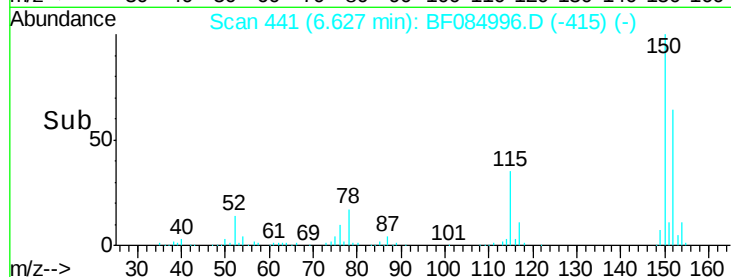
152 100

150 155.1 123.0 184.4

115 53.8 51.4 77.2

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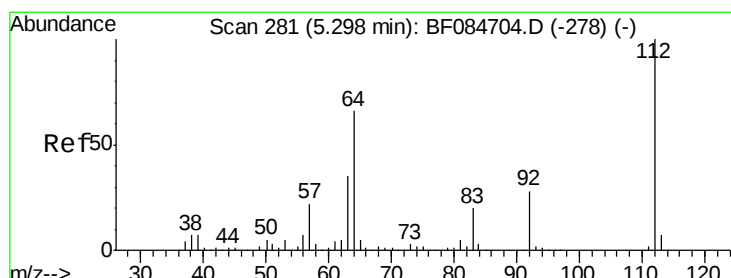
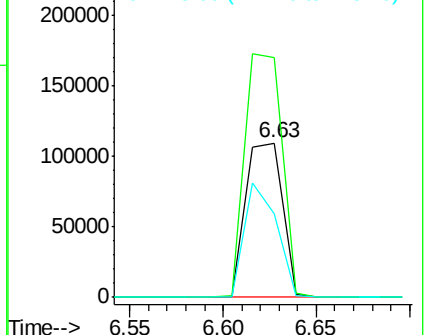
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 21.30 ng

RT: 5.21 min Scan# 317

Delta R.T. 0.01 min

Lab File: BF084996.D

Acq: 10 Feb 2016 16:44

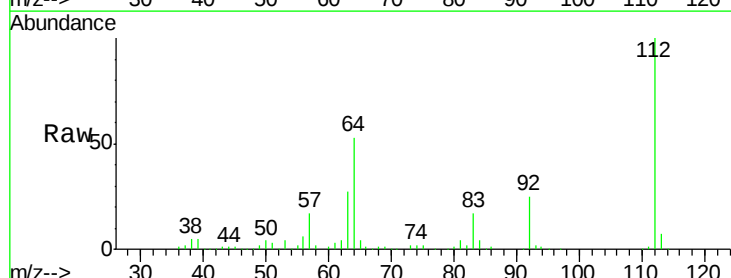
Tgt Ion:112 Resp: 205008

Ion Ratio Lower Upper

112 100

64 53.4 36.6 55.0

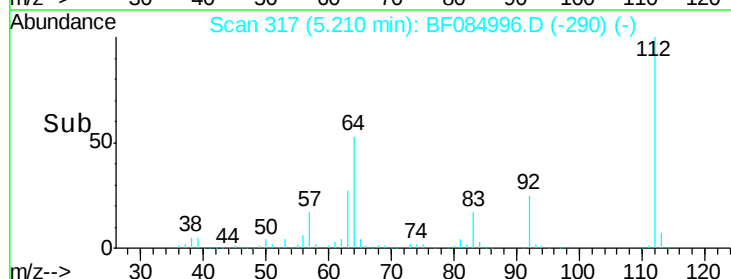
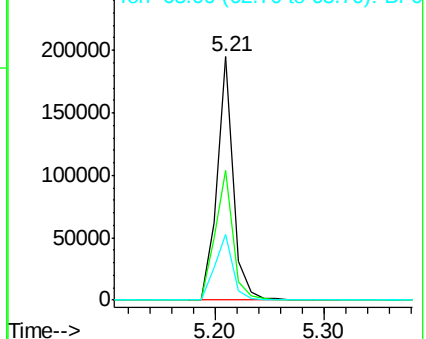
63 27.2 19.4 29.0



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: 96.39 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF084996.D

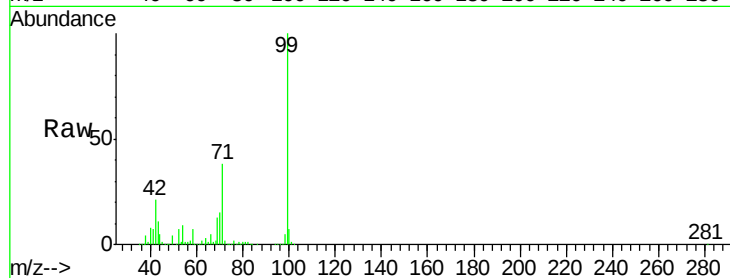
Acq: 10 Feb 2016 16:44

Instrument :

BNA_F

ClientSampleId :

S4-B005(0-2)RE



Tgt Ion: 99 Resp: 1150353

Ion Ratio Lower Upper

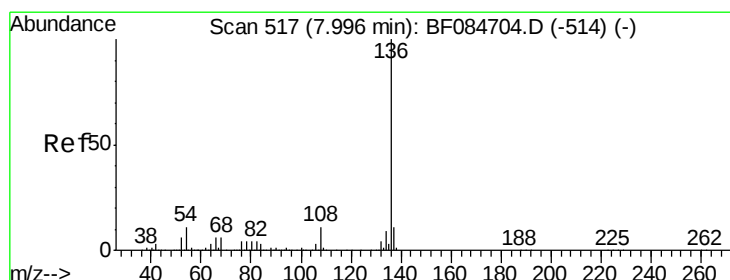
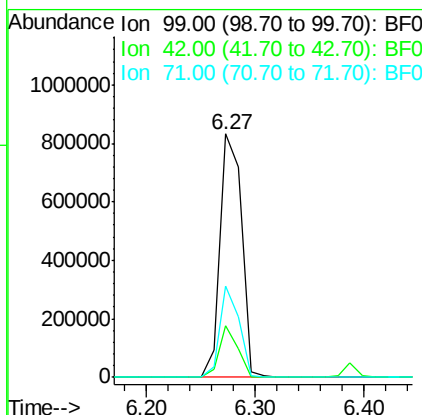
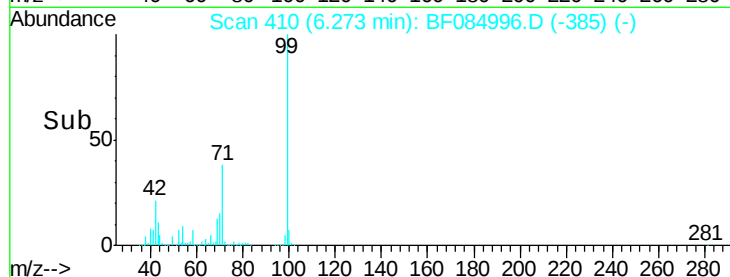
99 100

42 21.3 12.8 19.2#

71 37.5 30.9 46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF084996.D

Acq: 10 Feb 2016 16:44

Tgt Ion: 136 Resp: 597973

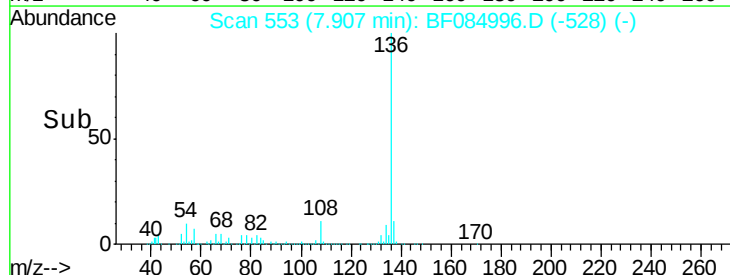
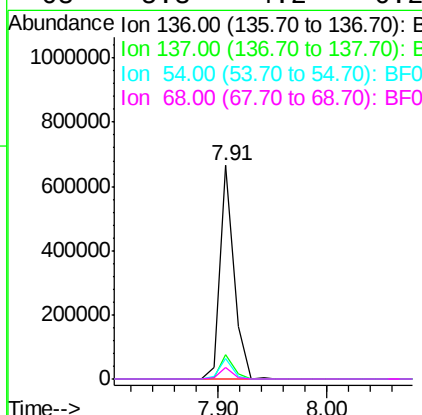
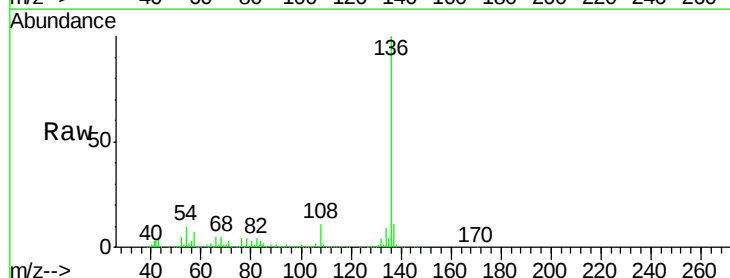
Ion Ratio Lower Upper

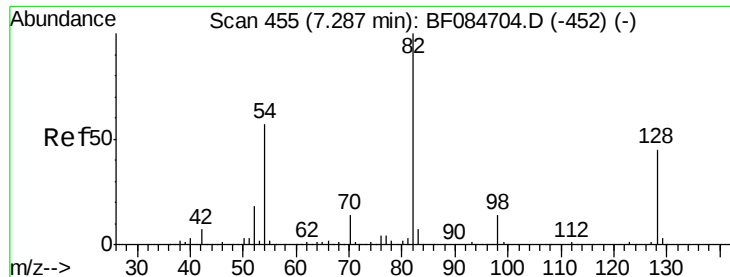
136 100

137 11.5 8.7 13.1

54 9.7 5.8 8.8#

68 5.3 4.2 6.2





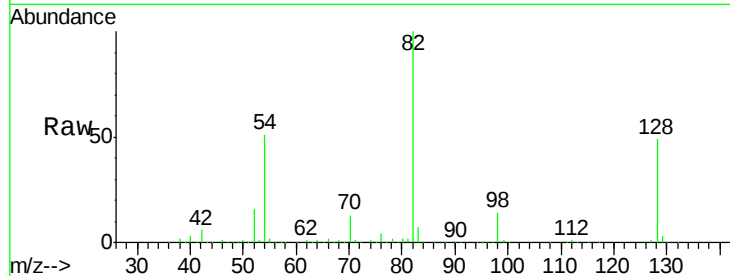
#23
Nitrobenzene-d5
Concen: 83.72 ng
RT: 7.20 min Scan# 491
Delta R.T. -0.00 min
Lab File: BF084996.D
Acq: 10 Feb 2016 16:44

Instrument :
BNA_F
ClientSampleId :
S4-B005(0-2)RE

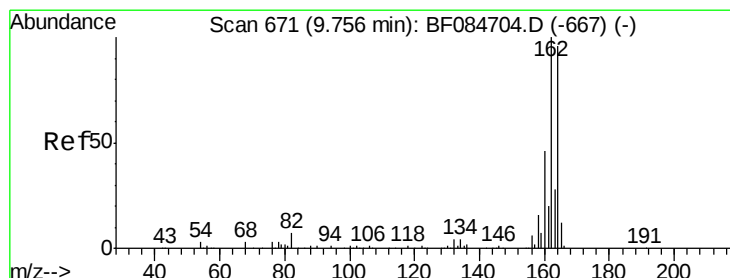
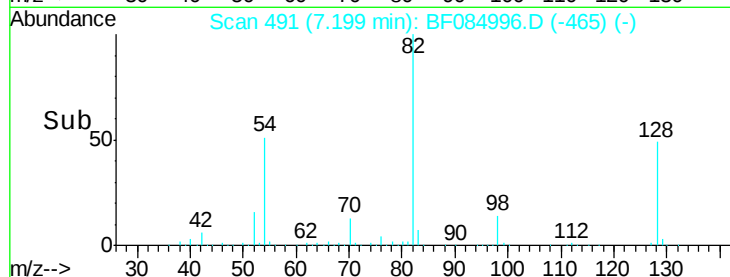
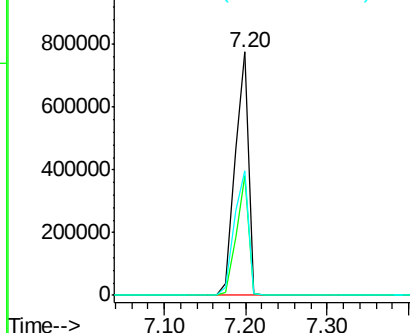
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	888729		
128	49.2	34.6	51.8	
54	51.2	38.4	57.6	

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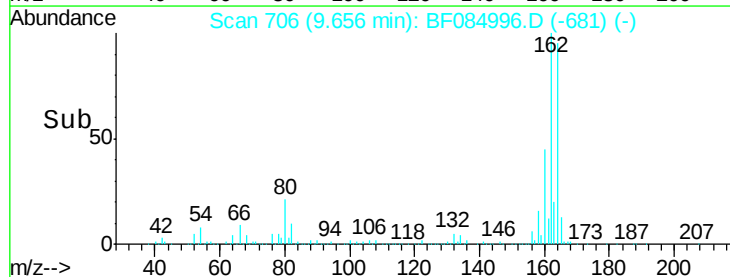
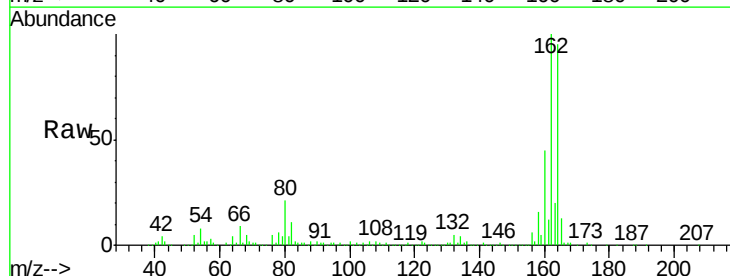
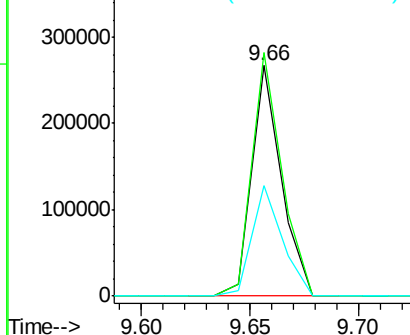
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.66 min Scan# 706
Delta R.T. -0.01 min
Lab File: BF084996.D
Acq: 10 Feb 2016 16:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	250894		
162	105.6	85.1	127.7	
160	47.8	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





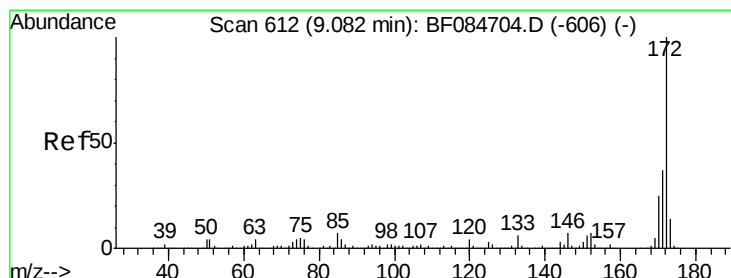
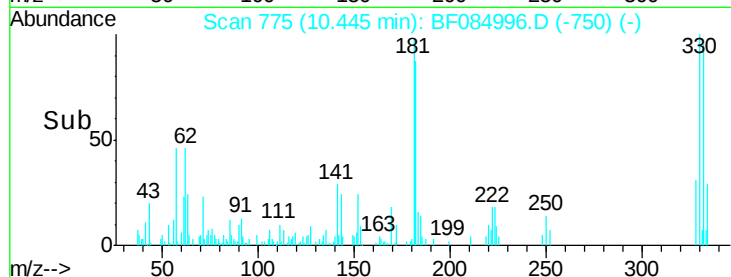
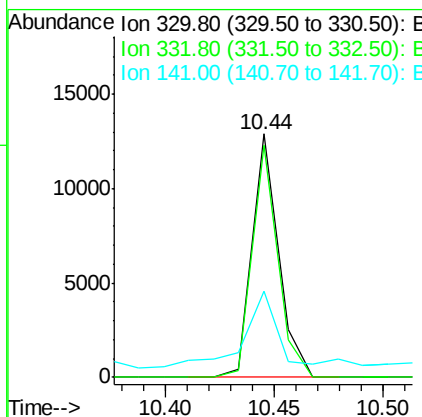
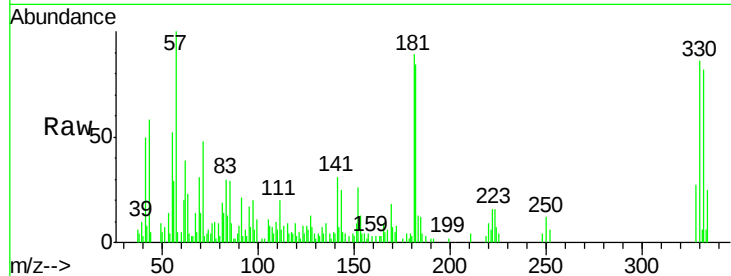
#41
 2,4,6-Tribromophenol
 Concen: 4.15 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: BF084996.D
 Acq: 10 Feb 2016 16:44

Instrument :
 BNA_F
 ClientSampleId :
 S4-B005(0-2)RE

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	10859		
332	92.4	76.6	114.8	
141	45.3	27.8	41.6#	

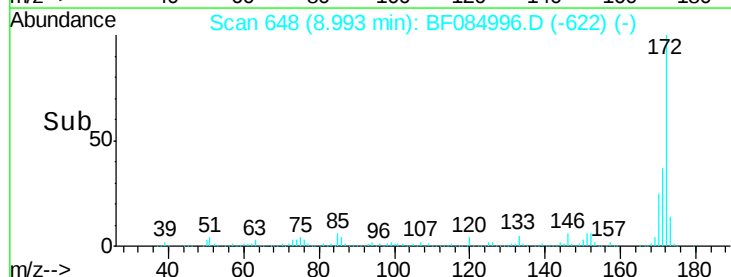
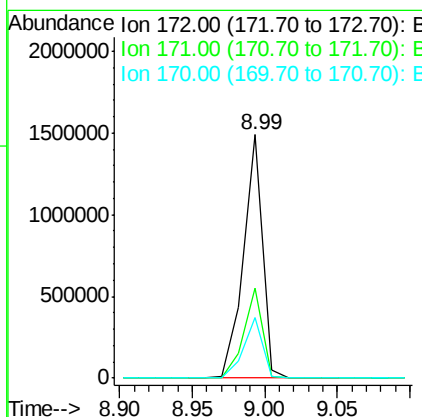
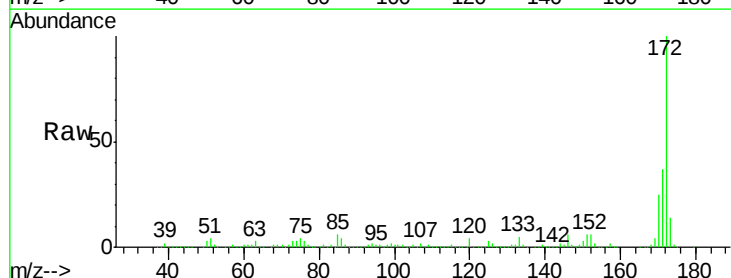
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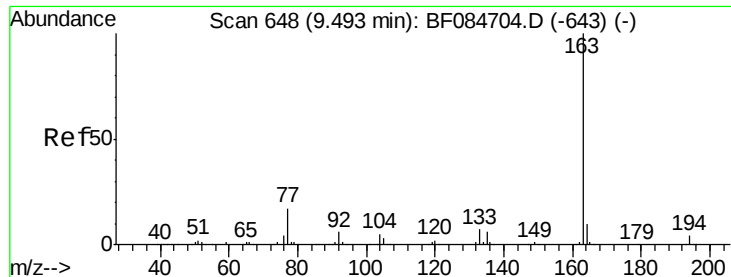
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#44
 2-Fluorobiphenyl
 Concen: 95.69 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.00 min
 Lab File: BF084996.D
 Acq: 10 Feb 2016 16:44

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1365478		
171	36.8	28.9	43.3	
170	25.0	18.6	27.8	





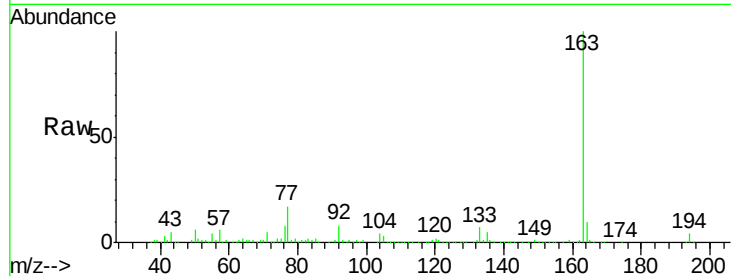
#49
Dimethylphthalate
Concen: 15.05 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF084996.D
Acq: 10 Feb 2016 16:44

Instrument :
BNA_F
ClientSampleId :
S4-B005(0-2)RE

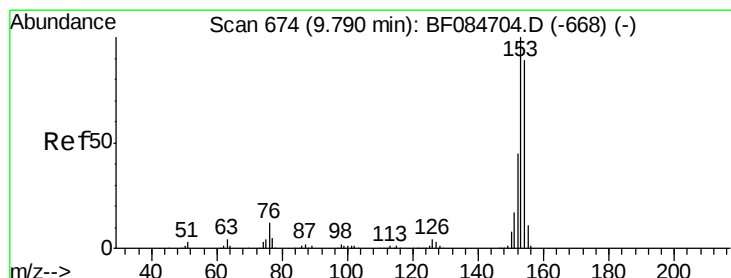
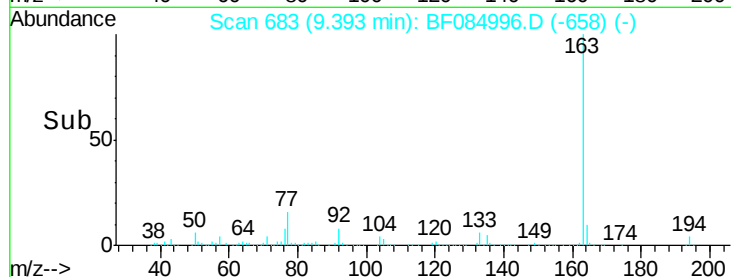
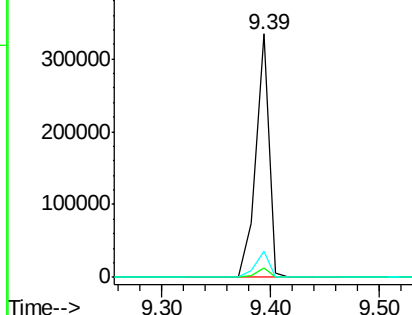
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.6	8.0	12.0#
164	10.4	8.0	12.0

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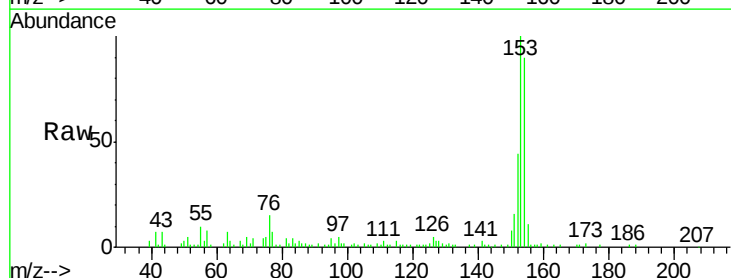


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

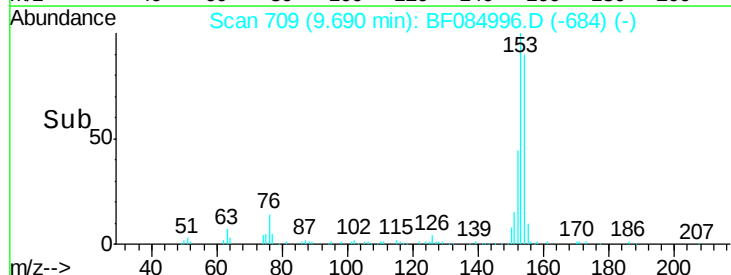
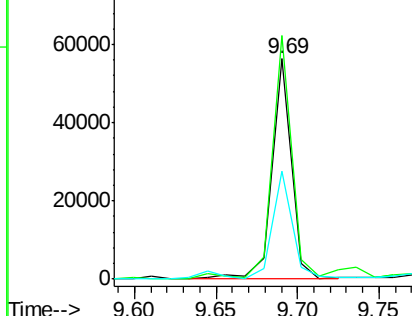


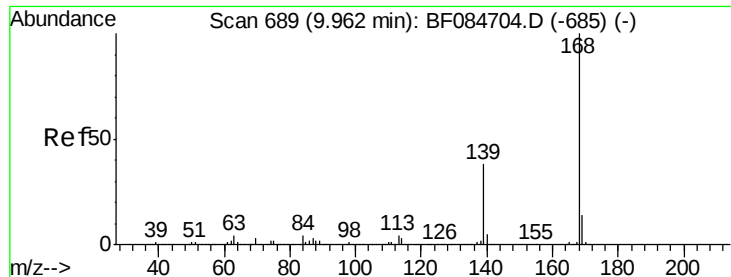
#51
Acenaphthene
Concen: 2.87 ng
RT: 9.69 min Scan# 709
Delta R.T. -0.01 min
Lab File: BF084996.D
Acq: 10 Feb 2016 16:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	110.5	91.5	137.3
152	48.8	43.0	64.6



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





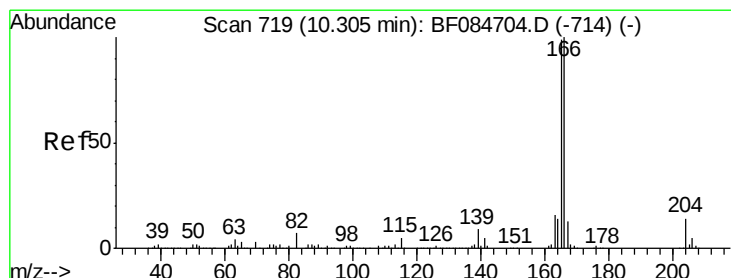
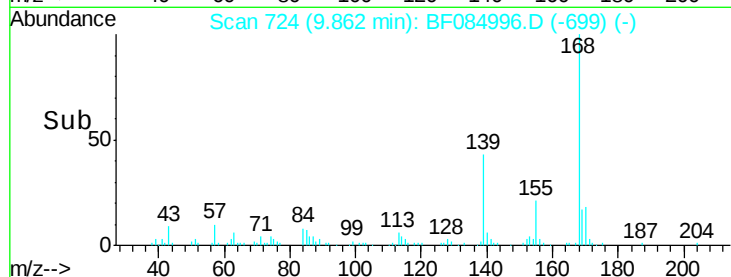
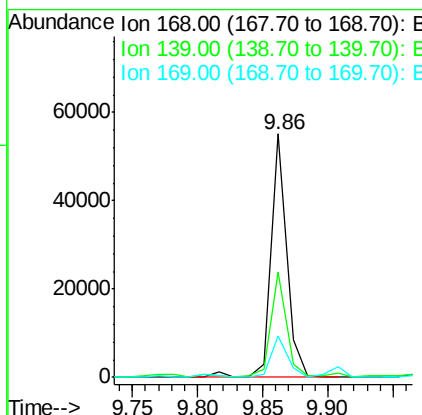
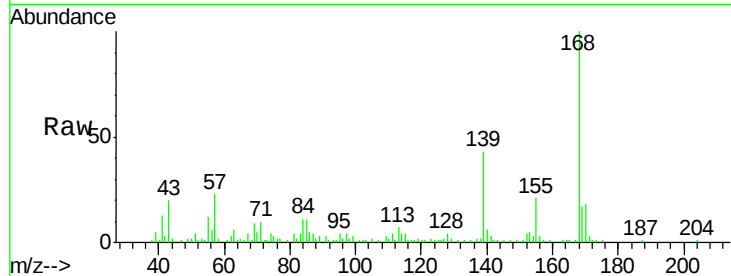
#54
Dibenzenofuran
Concen: 2.35 ng
RT: 9.86 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF084996.D
Acq: 10 Feb 2016 16:44

Instrument :
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S4-B005(0-2)RE

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	46801		
139	43.1	30.5	45.7	
169	16.8	10.4	15.6	

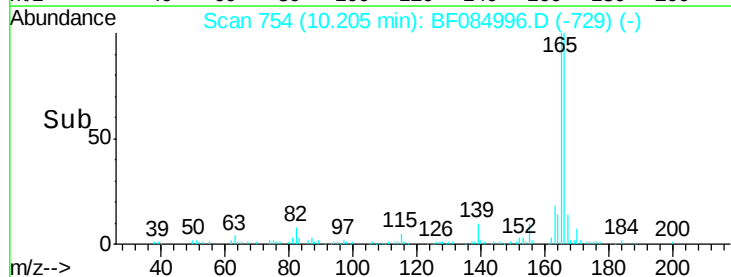
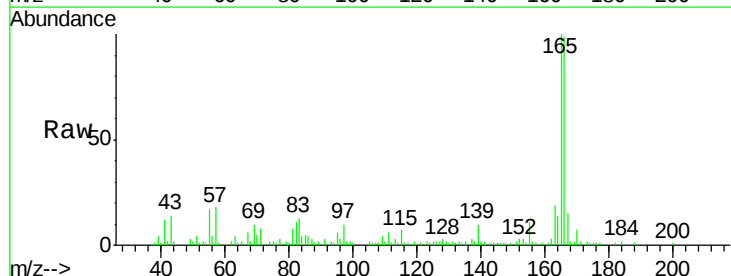
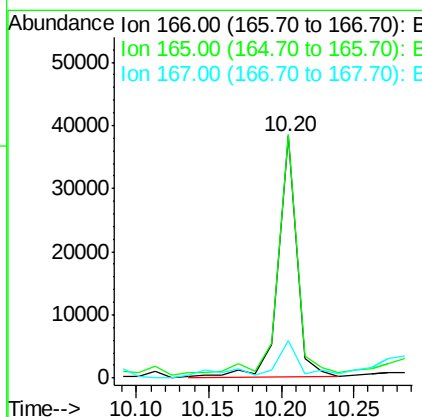
Manual Integrations
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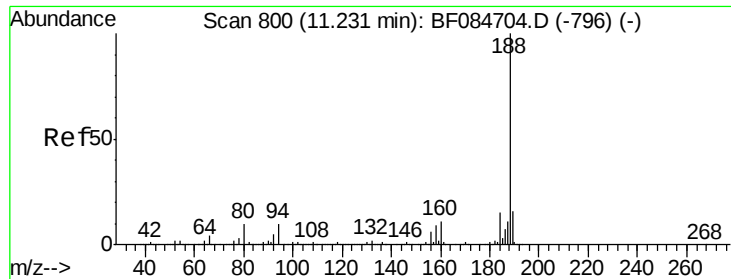
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#57
Fluorene
Concen: 2.05 ng
RT: 10.20 min Scan# 754
Delta R.T. -0.01 min
Lab File: BF084996.D
Acq: 10 Feb 2016 16:44

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	34078		
165	100.7	79.1	118.7	
167	15.4	10.4	15.6	





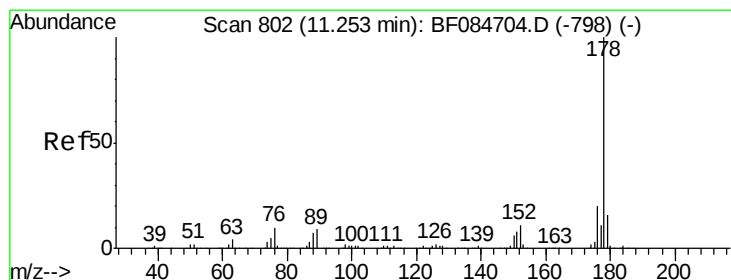
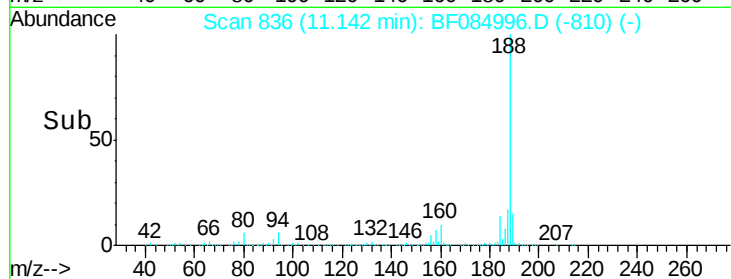
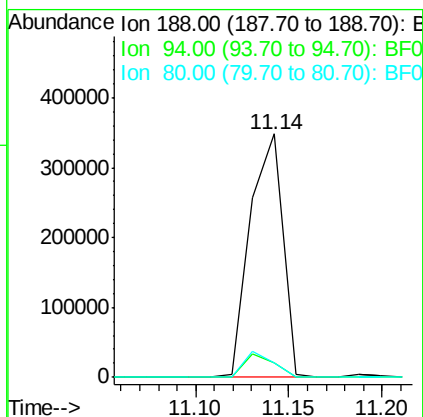
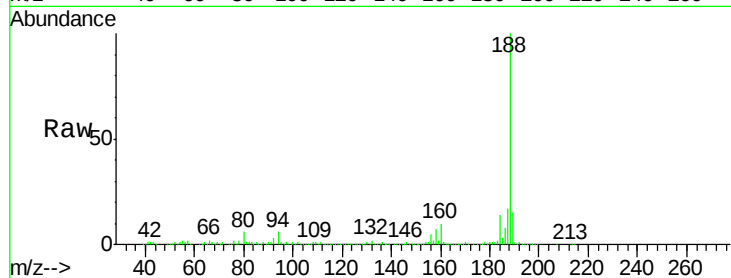
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 836
Delta R.T. -0.00 min
Lab File: BF084996.D
Acq: 10 Feb 2016 16:44

Instrument :
BNA_F
ClientSampleId :
S4-B005(0-2)RE

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	5.9	9.0	13.4#
80	5.8	9.6	14.4#

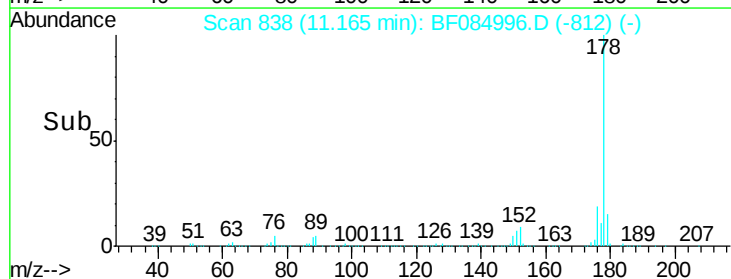
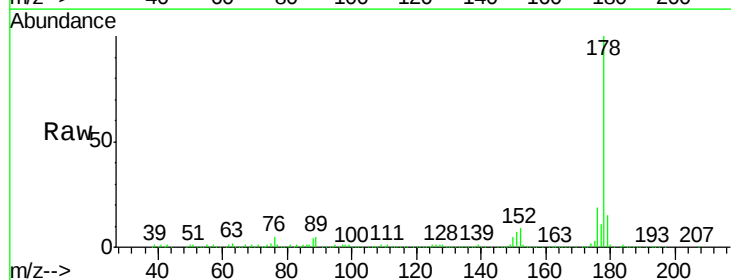
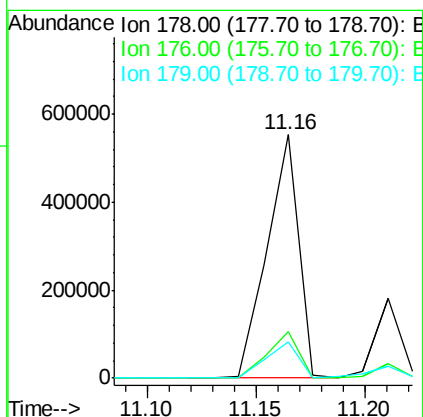
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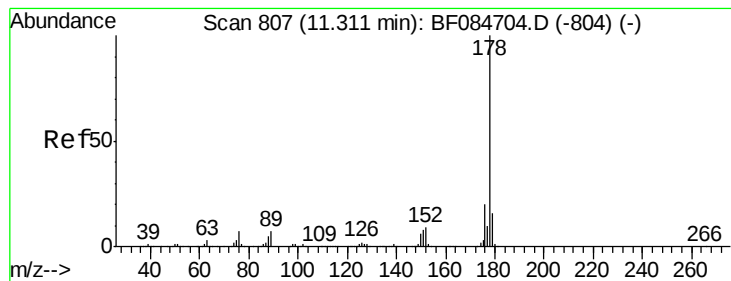
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#70
Phenanthrene
Concen: 24.07 ng
RT: 11.16 min Scan# 838
Delta R.T. -0.00 min
Lab File: BF084996.D
Acq: 10 Feb 2016 16:44

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.1	12.0	18.0





#71

Anthracene

Concen: 6.44 ng

RT: 11.21 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF084996.D

Acq: 10 Feb 2016 16:44

Instrument :

BNA_F

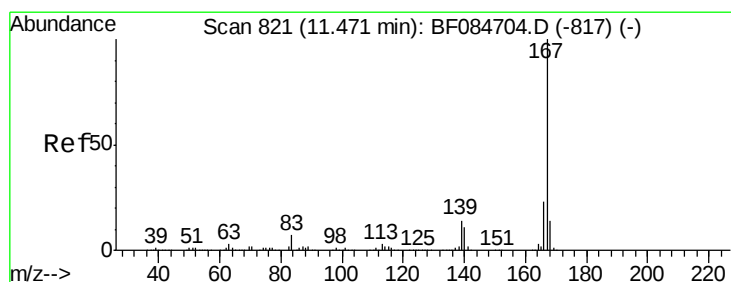
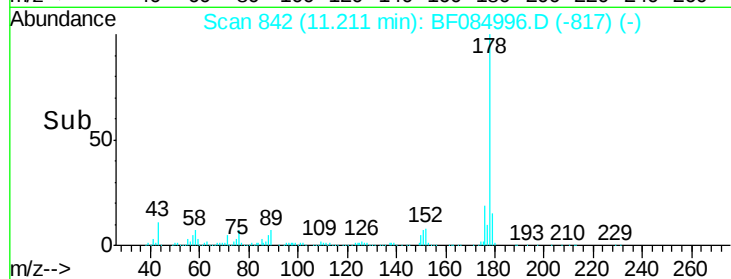
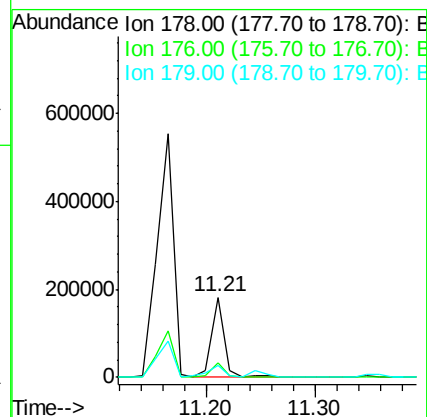
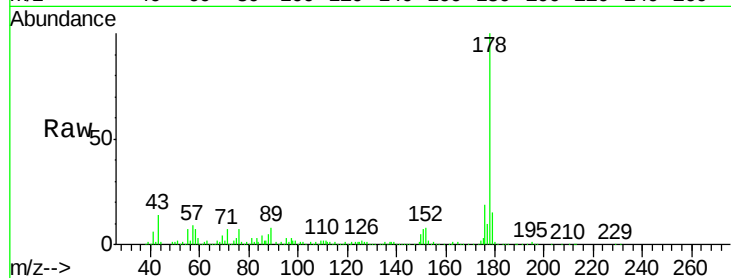
ClientSampleId :

S4-B005(0-2)RE

Tgt Ion:	178	Resp:	152324
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.4	23.0
179	14.9	12.5	18.7

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2/11/2016 1:28:38 PM



#72

Carbazole

Concen: 2.85 ng

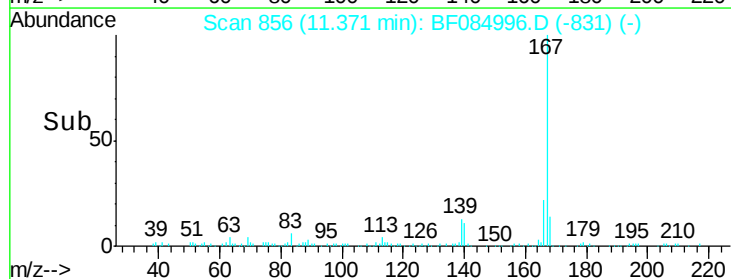
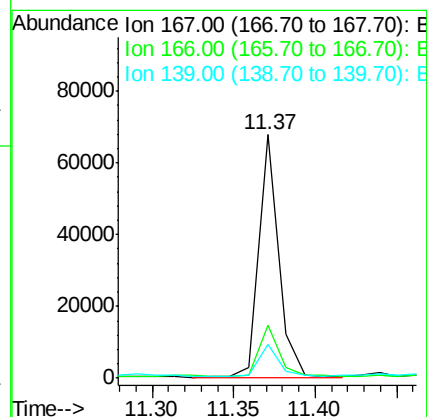
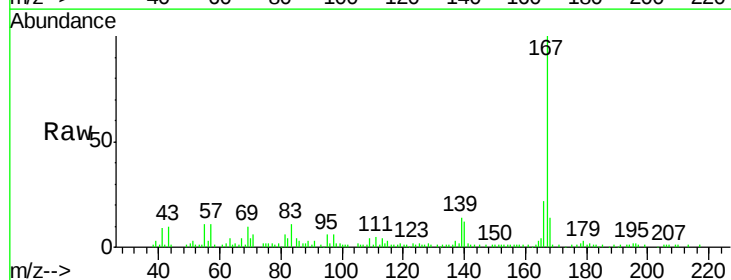
RT: 11.37 min Scan# 856

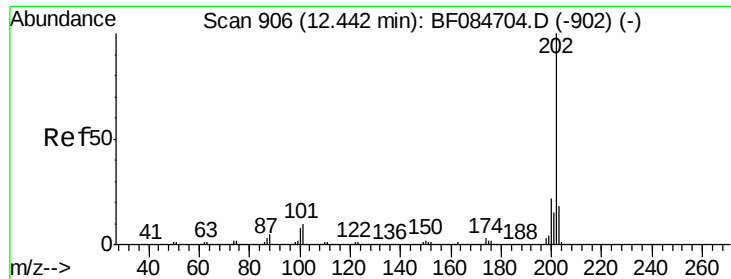
Delta R.T. -0.01 min

Lab File: BF084996.D

Acq: 10 Feb 2016 16:44

Tgt Ion:	167	Resp:	58810
Ion Ratio	Lower	Upper	
167	100		
166	21.9	17.6	26.4
139	14.0	11.8	17.8





#74

Fluoranthene

Concen: 23.21 ng

RT: 12.34 min Scan# 941

Delta R.T. -0.00 min

Lab File: BF084996.D

Acq: 10 Feb 2016 16:44

Instrument :

BNA_F

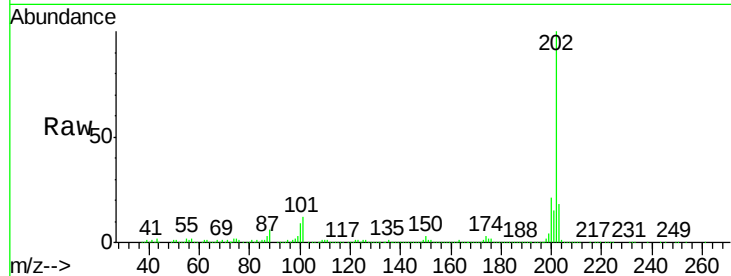
ClientSampleId :

S4-B005(0-2)RE

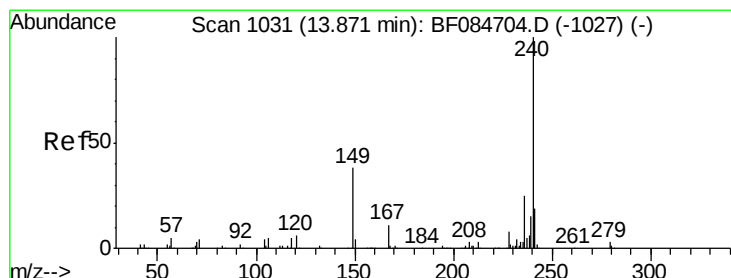
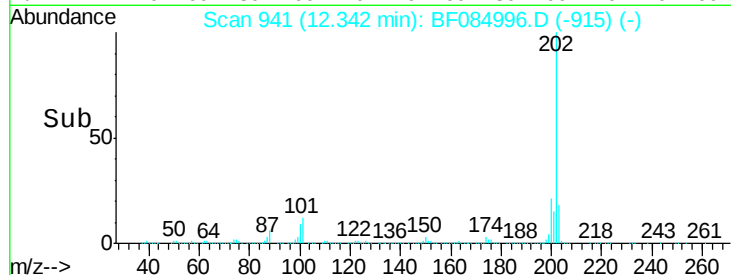
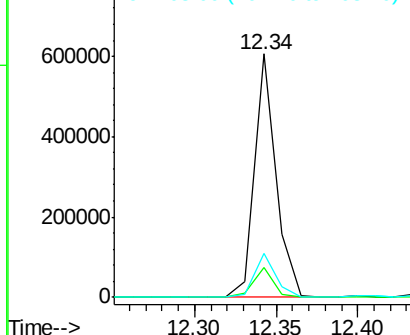
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		551009		
101	12.1	0.0	32.8		
203	18.2	0.0	37.9		

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2/11/2016 1:28:38 PM



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

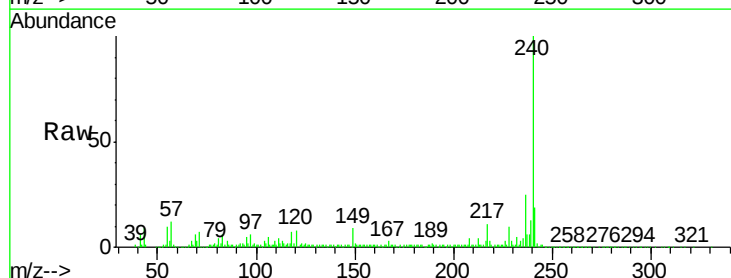
RT: 13.77 min Scan# 1066

Delta R.T. -0.00 min

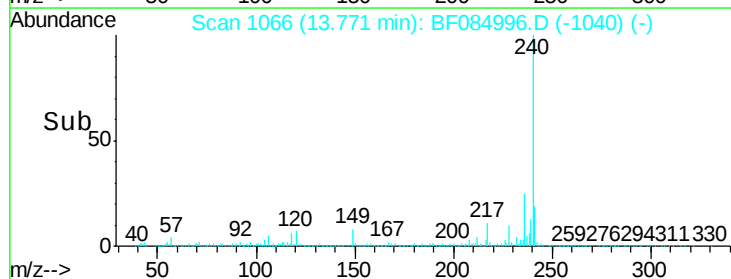
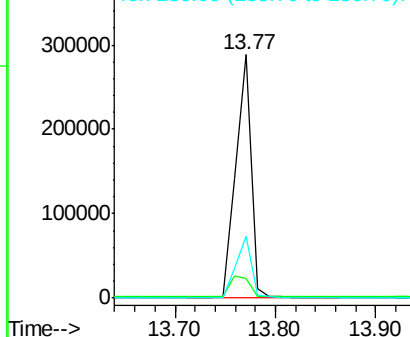
Lab File: BF084996.D

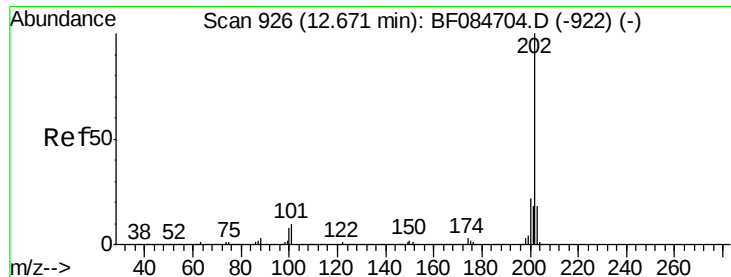
Acq: 10 Feb 2016 16:44

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		307046		
120	7.8	9.5	14.3#		
236	25.5	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: 21.59 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: BF084996.D

Acq: 10 Feb 2016 16:44

Instrument :

BNA_F

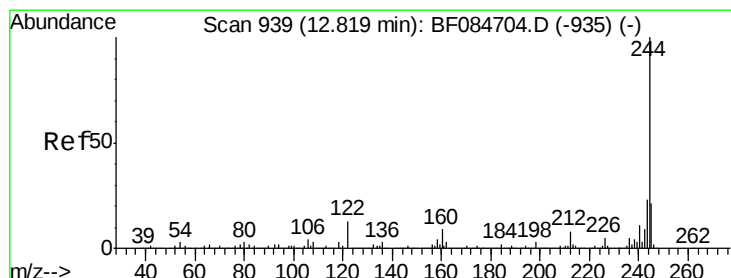
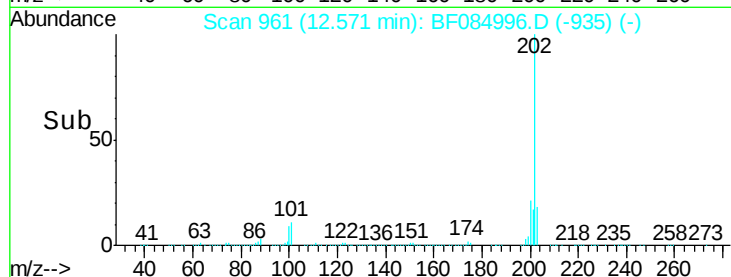
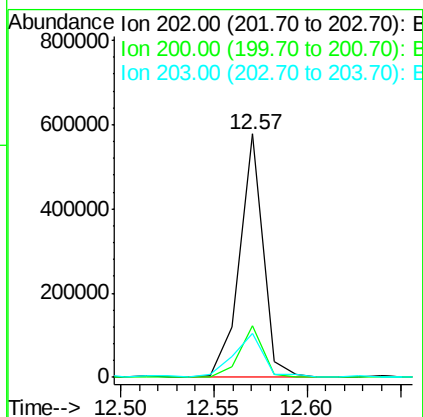
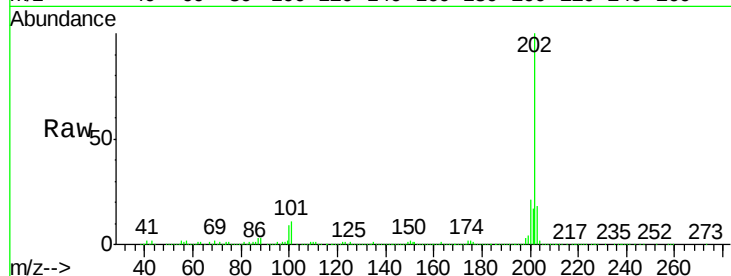
ClientSampleId :

S4-B005(0-2)RE

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		507505		
200	21.2	17.2	25.8		
203	17.8	14.3	21.5		

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2/11/2016 1:28:38 PM



#78

Terphenyl-d14

Concen: 68.47 ng

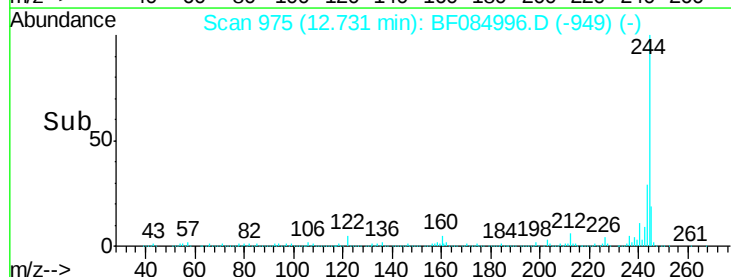
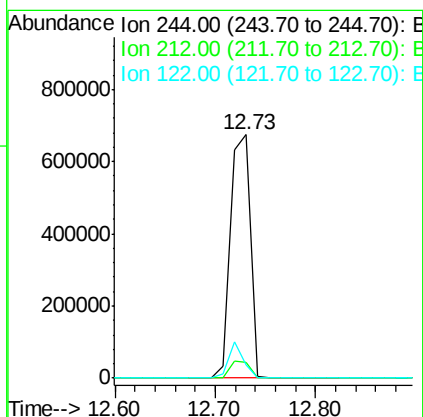
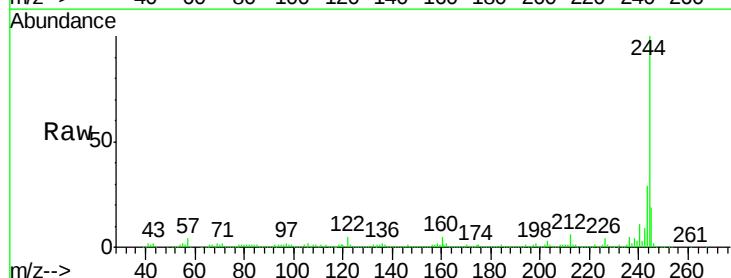
RT: 12.73 min Scan# 975

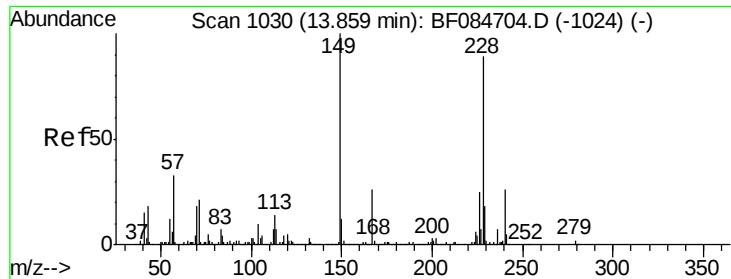
Delta R.T. -0.00 min

Lab File: BF084996.D

Acq: 10 Feb 2016 16:44

Tgt	Ion	Ratio	Resp	Lower	Upper
244	100		927803		
212	6.3	5.7	8.5		
122	5.4	7.4	11.0		





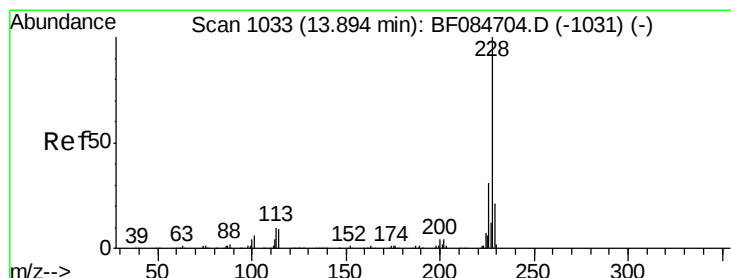
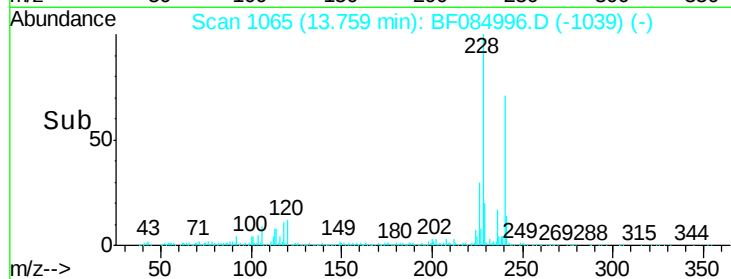
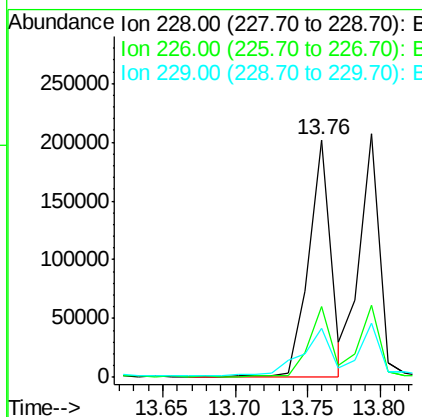
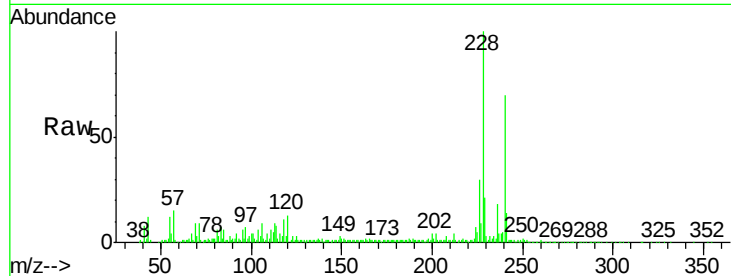
#80
Benzo(a)anthracene
Concen: 11.17 ng
RT: 13.76 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BF084996.D
Acq: 10 Feb 2016 16:44

Instrument :
BNA_F
ClientSampleId :
S4-B005(0-2)RE

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	21.8	32.6
229	20.8	15.8	23.8

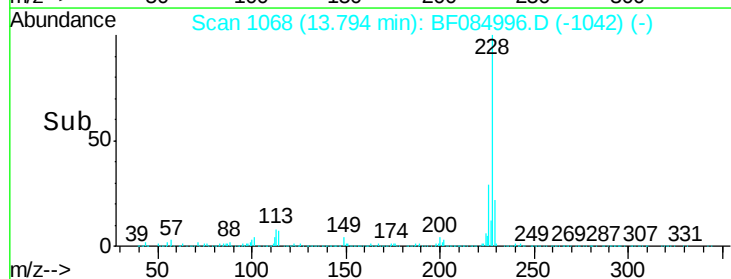
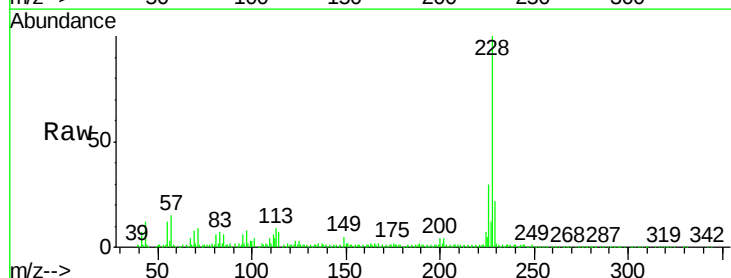
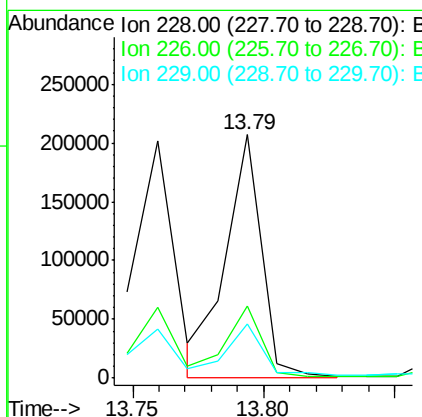
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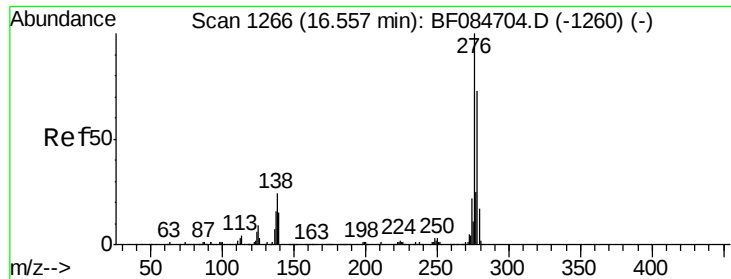
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2/11/2016 1:28:38 PM



#82
Chrysene
Concen: 10.77 ng m
RT: 13.79 min Scan# 1068
Delta R.T. -0.00 min
Lab File: BF084996.D
Acq: 10 Feb 2016 16:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.3	36.5
229	22.5	16.1	24.1





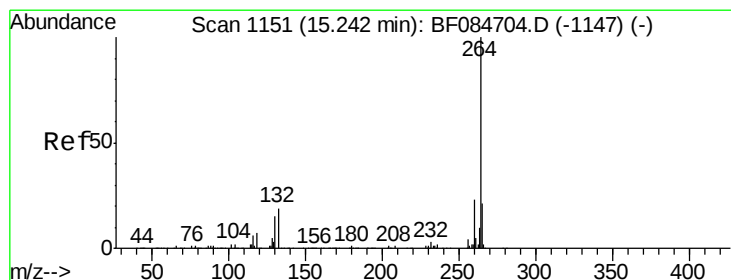
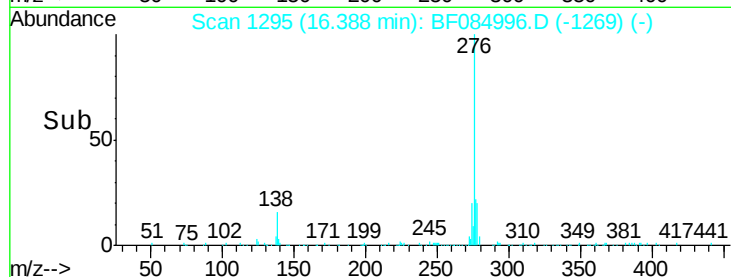
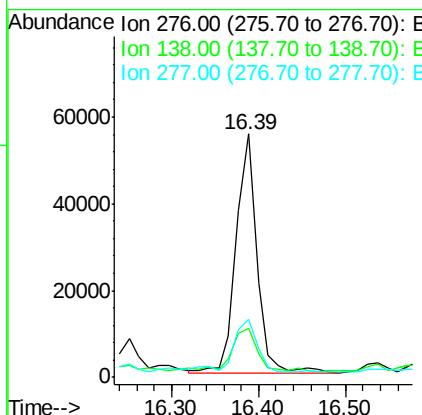
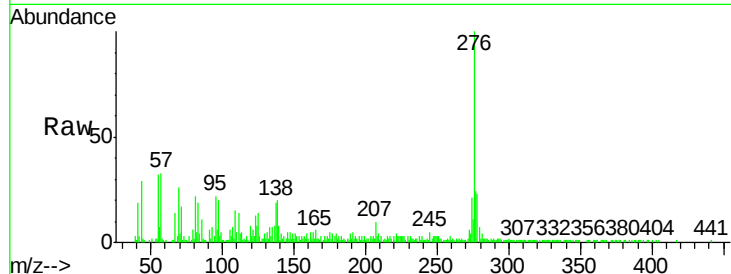
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.28 ng
 RT: 16.39 min Scan# 1295
 Delta R.T. -0.00 min
 Lab File: BF084996.D
 Acq: 10 Feb 2016 16:44

Instrument :
 BNA_F
 ClientSampleId :
 S4-B005(0-2)RE

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.6	20.6	30.8
277	25.2	20.1	30.1

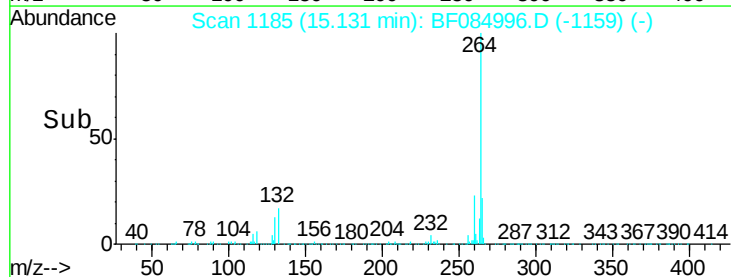
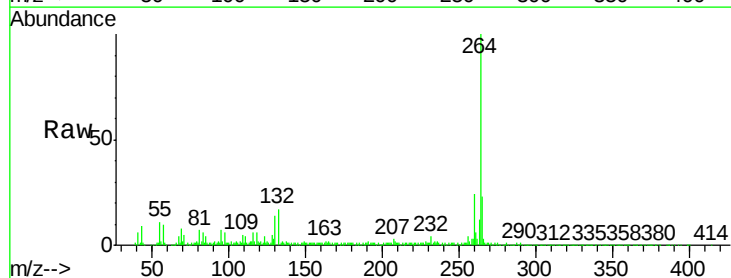
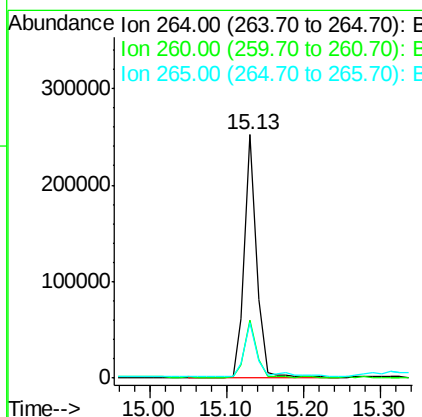
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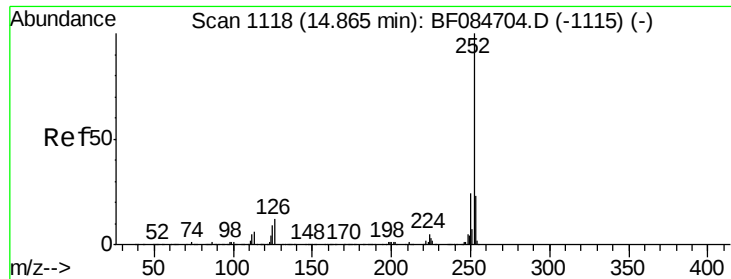
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.13 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: BF084996.D
 Acq: 10 Feb 2016 16:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	22.6	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 12.07 ng m

RT: 14.77 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BF084996.D

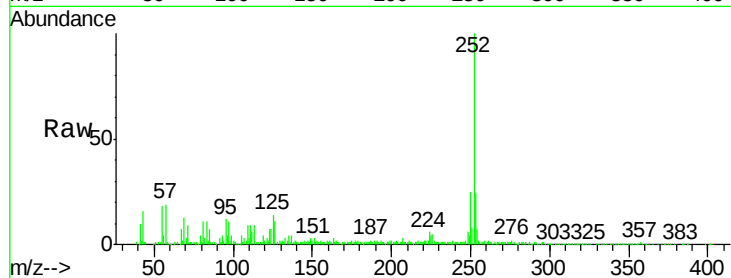
Acq: 10 Feb 2016 16:44

Instrument :

BNA_F

ClientSampleId :

S4-B005(0-2)RE



Tgt Ion: 252 Resp: 228937

Ion Ratio Lower Upper

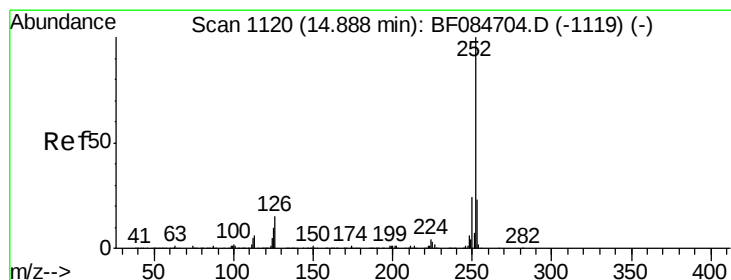
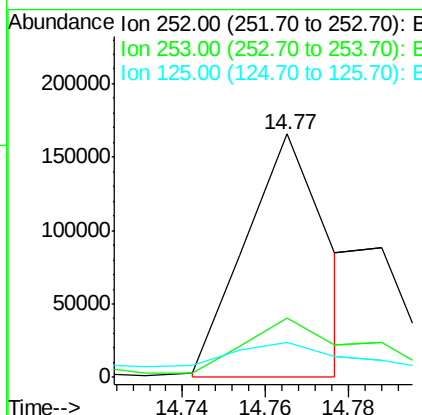
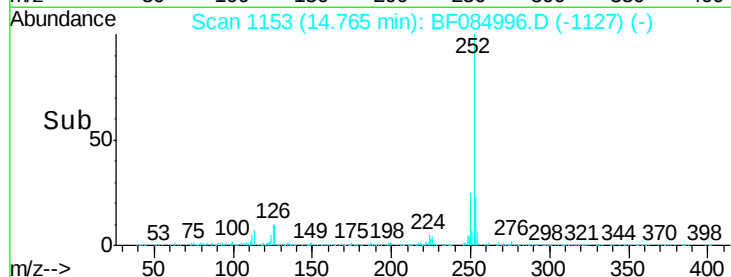
252 100

253 24.1 17.3 25.9

125 14.2 6.5 9.7

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#88

Benzo(k)fluoranthene

Concen: 4.36 ng m

RT: 14.79 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BF084996.D

Acq: 10 Feb 2016 16:44

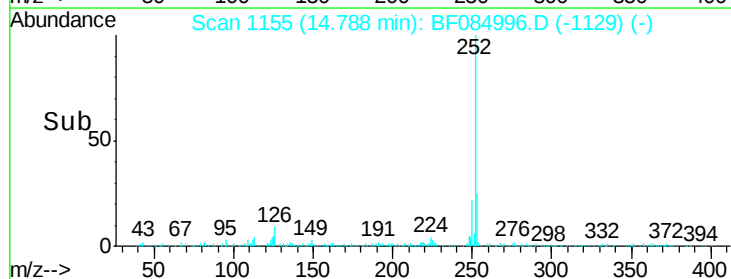
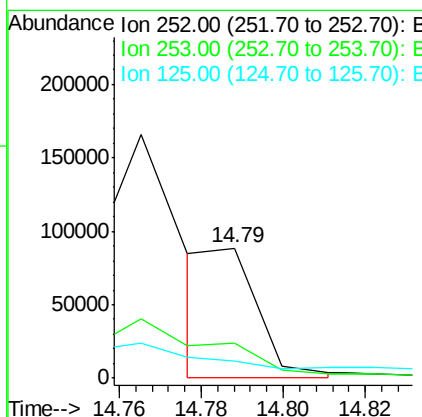
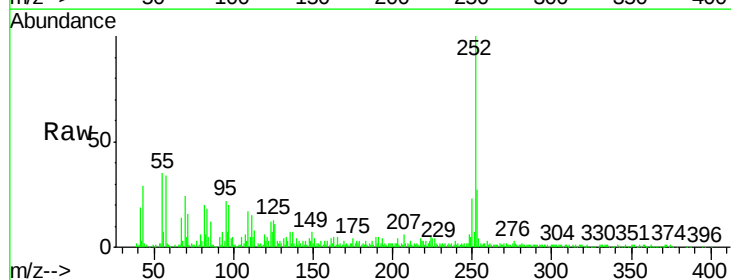
Tgt Ion: 252 Resp: 68460

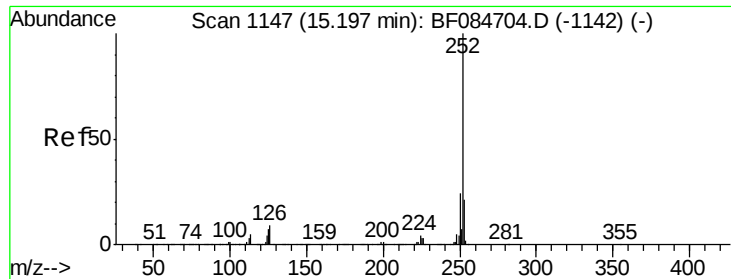
Ion Ratio Lower Upper

252 100

253 27.0 18.1 27.1

125 13.3 9.0 13.6





#89

Benzo(a)pyrene

Concen: 9.77 ng

RT: 15.07 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BF084996.D

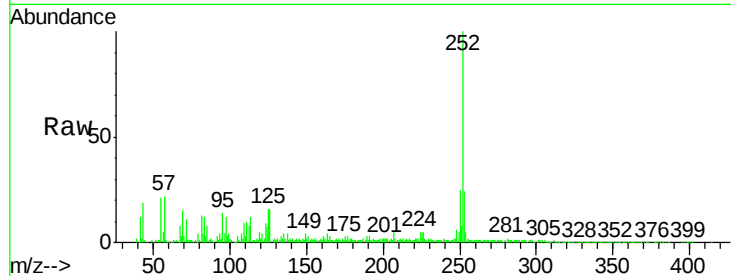
Acq: 10 Feb 2016 16:44

Instrument :

BNA_F

ClientSampleId :

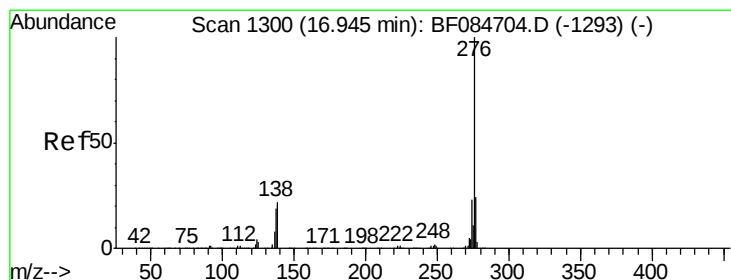
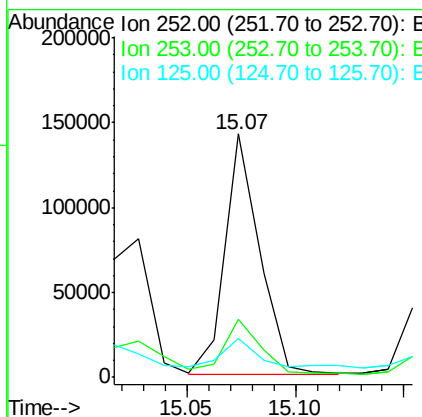
S4-B005(0-2)RE



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.3	25.9
125	16.0	7.0	10.4

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#91

Benzo(g,h,i)perylene

Concen: 6.46 ng

RT: 16.77 min Scan# 1328

Delta R.T. 0.01 min

Lab File: BF084996.D

Acq: 10 Feb 2016 16:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.8	28.2
138	20.1	17.8	26.6

