

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
 Data File : BF084889.D
 Acq On : 6 Feb 2016 4:50
 Operator : SJ/IZ
 Sample : H1329-06
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B006(21.5-23.5)

Manual Integrations
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 2/8/2016 3:03:24 PM

Quant Time: Feb 08 00:21:24 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	175106	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	689723	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	298787	20.00	ng	-0.03
63) Phenanthrene-d10	11.17	188	510664	20.00	ng	-0.03
75) Chrysene-d12	13.80	240	364378	20.00	ng	-0.03
86) Perylene-d12	15.17	264	319645	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	1297905	115.45	ng	-0.02
7) Phenol-d6	6.32	99	1493231	107.14	ng	-0.02
23) Nitrobenzene-d5	7.23	82	933247	76.22	ng	-0.03
41) 2,4,6-Tribromophenol	10.49	330	391595	125.65	ng	-0.03
44) 2-Fluorobiphenyl	9.02	172	1422424	77.97	ng	-0.03
78) Terphenyl-d14	12.76	244	1136666	70.69	ng	-0.03
Target Compounds						
49) Dimethylphthalate	9.42	163	235787	10.36	ng	Qvalue # 91
70) Phenanthrene	11.20	178	83581	2.95	ng	98
74) Fluoranthene	12.38	202	184441	6.43	ng	91
77) Pyrene	12.60	202	172344	6.18	ng	98
80) Benzo(a)anthracene	13.79	228	108658	4.80	ng	95
82) Chrysene	13.83	228	72203	3.29	ng	96
85) Indeno(1,2,3-cd)pyrene	16.44	276	41171	2.39	ng	# 93
87) Benzo(b)fluoranthene	14.80	252	98016m	4.56	ng	
88) Benzo(k)fluoranthene	14.81	252	38005m	2.14	ng	
89) Benzo(a)pyrene	15.12	252	74399	4.07	ng	# 94
91) Benzo(a,h,i)perylene	16.82	276	46310	2.98	ng	98

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

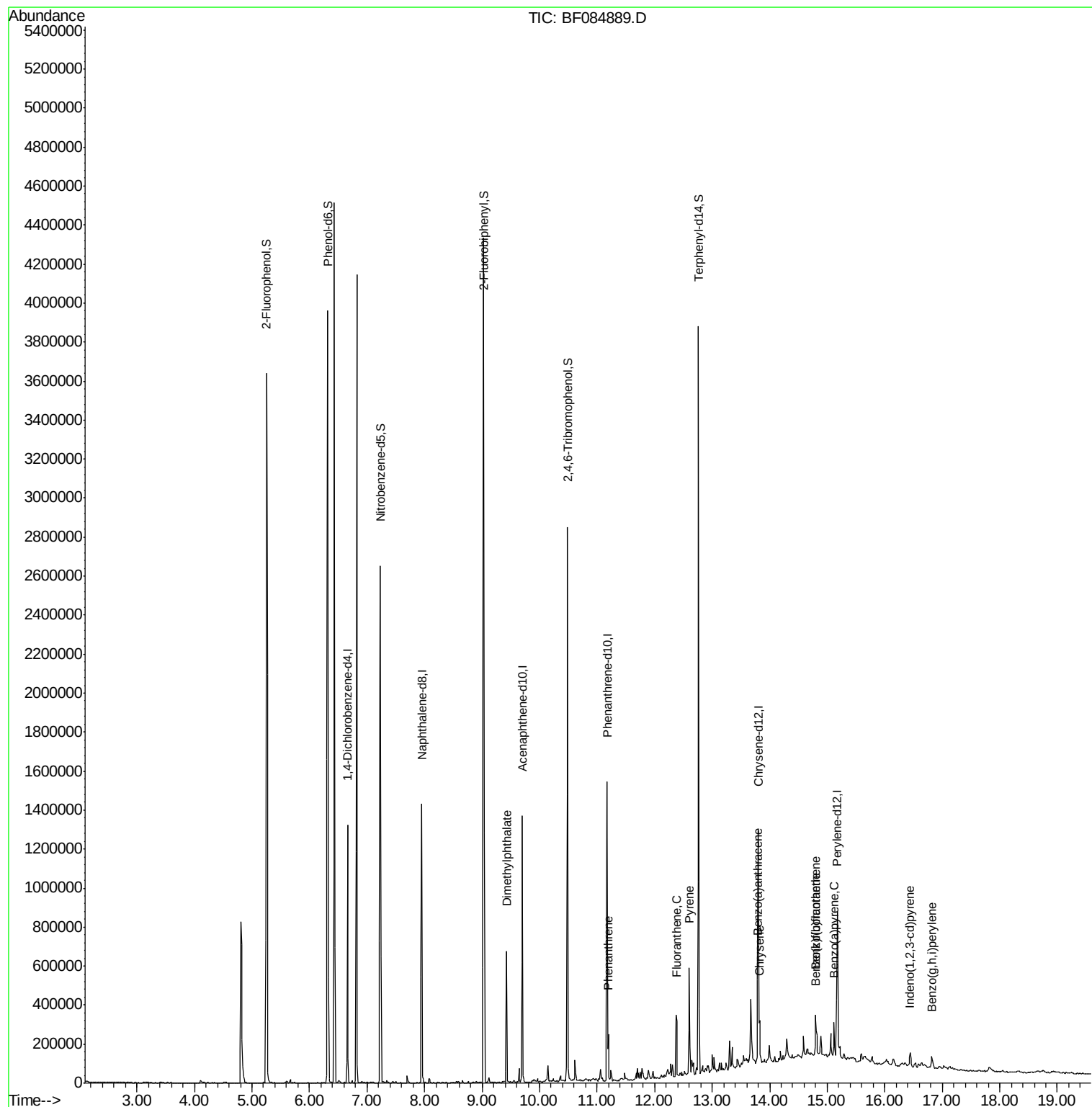
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
Data File : BF084889.D
Acq On : 6 Feb 2016 4:50
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Sample : H1329-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

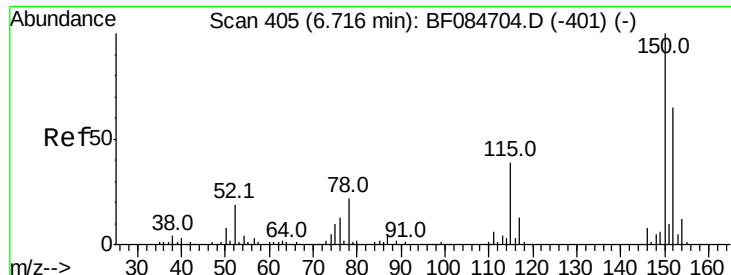
Instrument :
BNA_F
ClientSampleId :
S4-B006(21.5-23.5)

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 03 14:16:01 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF084889.D

Acq: 6 Feb 2016 4:50

Instrument :

BNA_F

ClientSampleId :

S4-B006(21.5-23.5)

Tot Ion:152 Resp: 175106

Ion Ratio Lower Upper

152 100

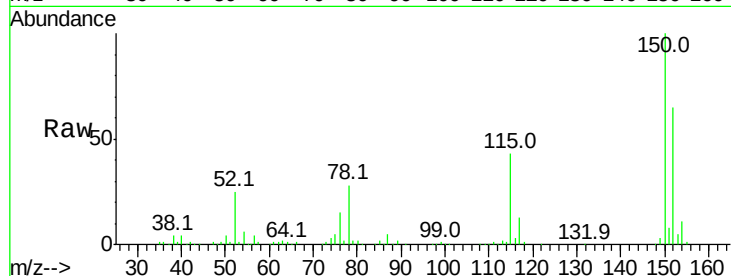
150 153.4 123.0 184.4

115 66.4 51.4 77.2

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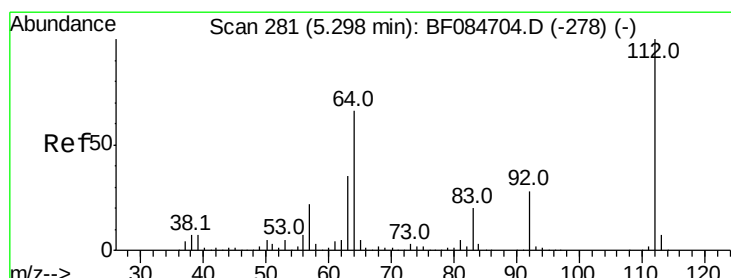
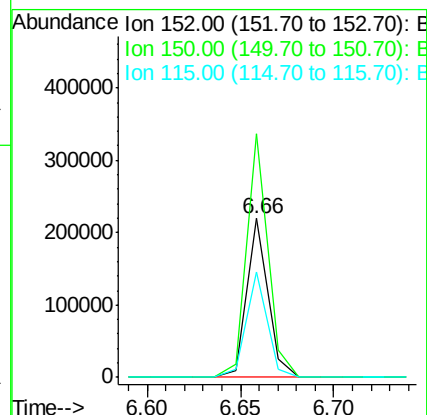
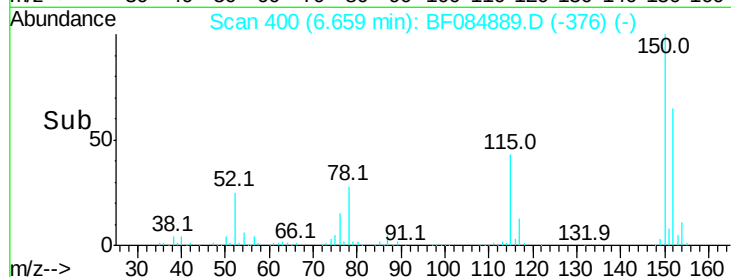
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 115.45 ng

RT: 5.25 min Scan# 277

Delta R.T. -0.02 min

Lab File: BF084889.D

Acq: 6 Feb 2016 4:50

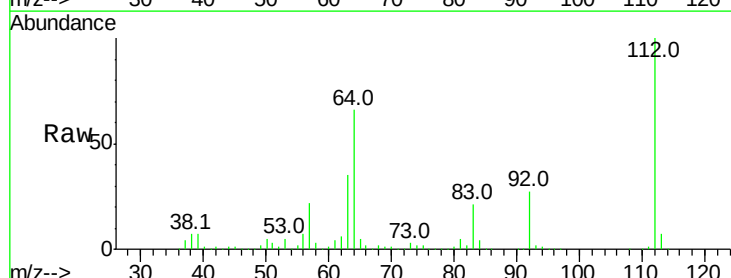
Tgt Ion:112 Resp: 1297905

Ion Ratio Lower Upper

112 100

64 66.4 36.6 55.0#

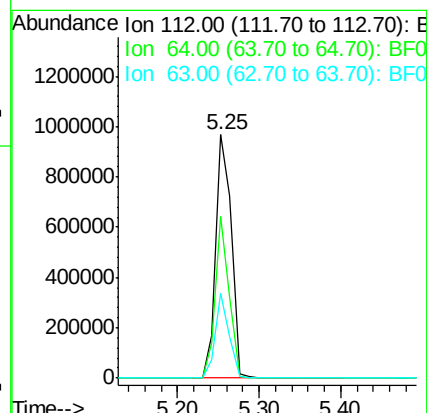
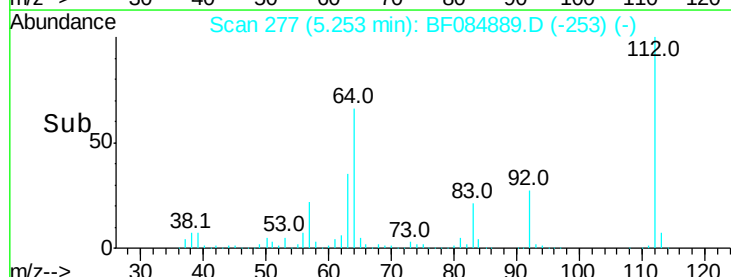
63 34.9 19.4 29.0#

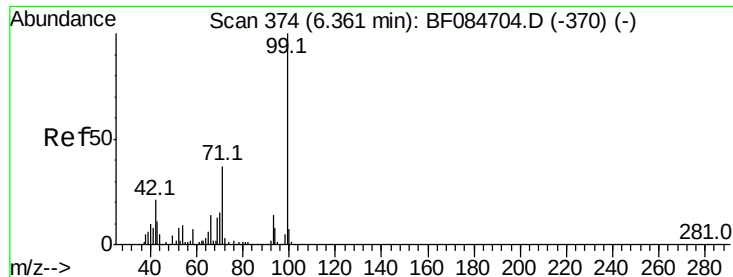


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 107.14 ng

RT: 6.32 min Scan# 370

Delta R.T. -0.02 min

Lab File: BF084889.D

Acq: 6 Feb 2016 4:50

Instrument :

BNA_F

ClientSampleId :

S4-B006(21.5-23.5)

Tot Ion: 99 Resp: 1493231

Ion Ratio Lower Upper

99 100

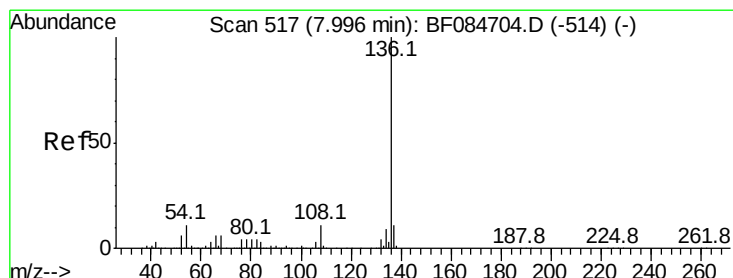
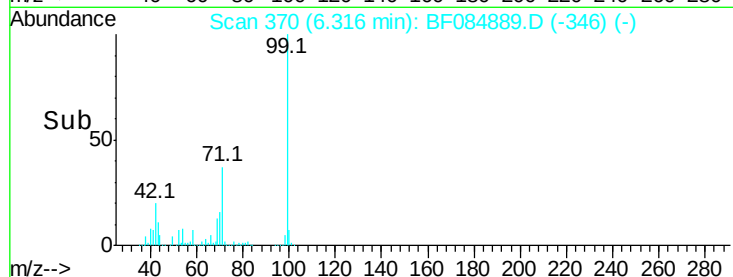
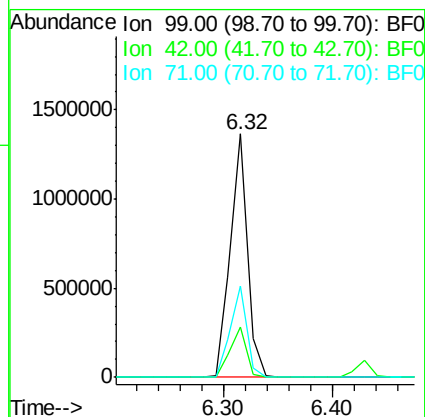
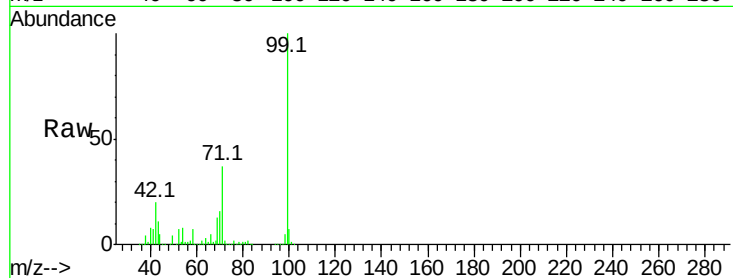
42 20.4 12.8 19.2#

71 37.3 30.9 46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF084889.D

Acq: 6 Feb 2016 4:50

Tgt Ion: 136 Resp: 689723

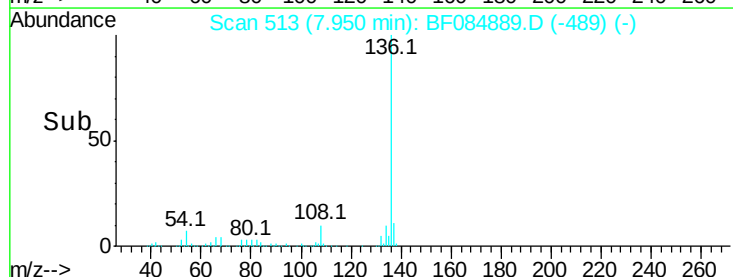
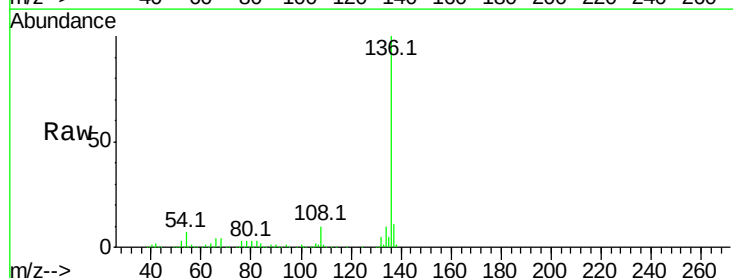
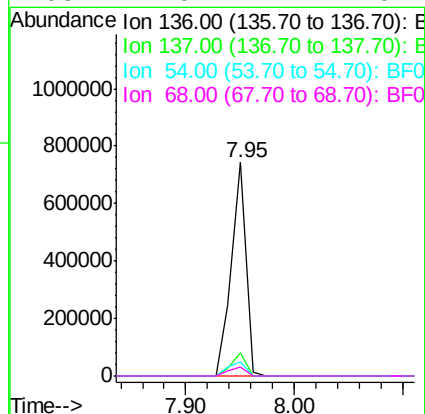
Ion Ratio Lower Upper

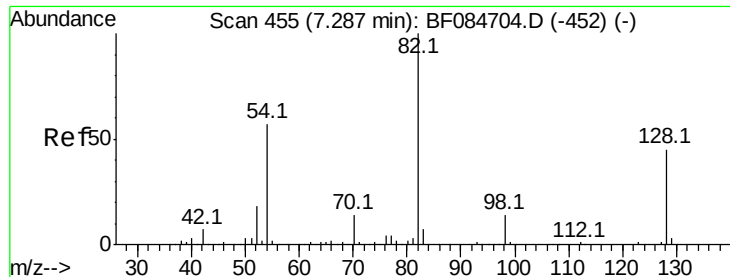
136 100

137 10.9 8.7 13.1

54 6.8 5.8 8.8

68 4.0 4.2 6.2#





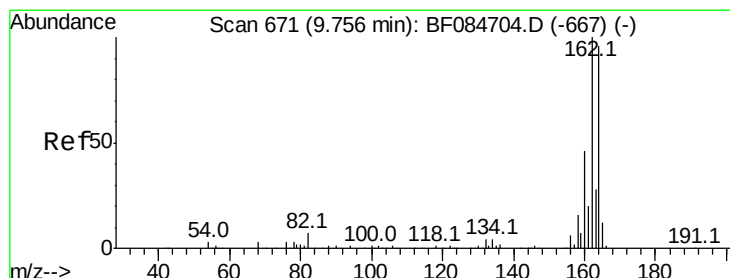
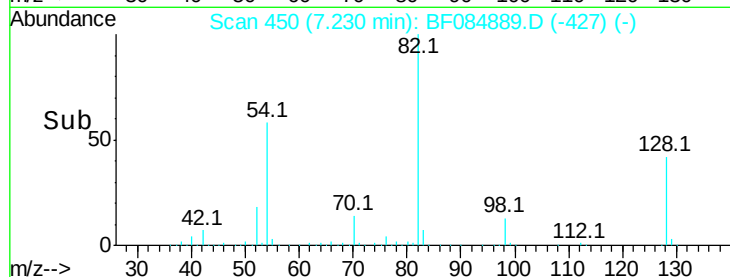
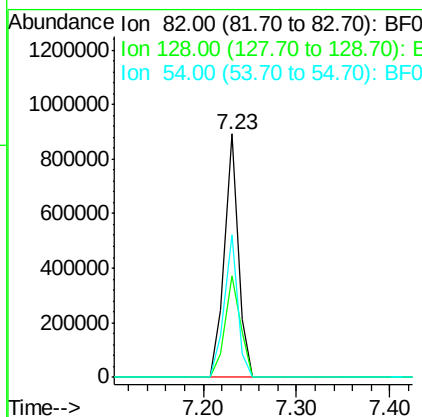
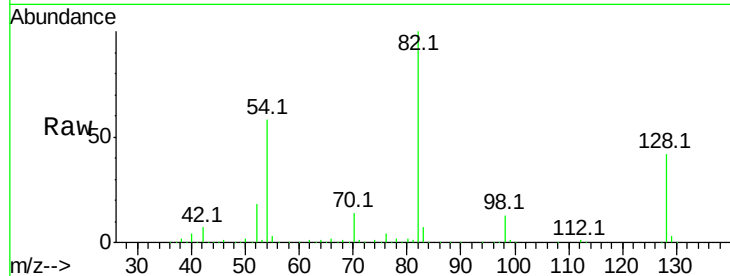
#23
 Nitrobenzene-d5
 Concen: 76.22 ng
 RT: 7.23 min Scan# 450
 Delta R.T. -0.03 min
 Lab File: BF084889.D
 Acq: 6 Feb 2016 4:50

Instrument :
 BNA_F
 ClientSampleId :
 S4-B006(21.5-23.5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.8	34.6	51.8
54	58.3	38.4	57.6

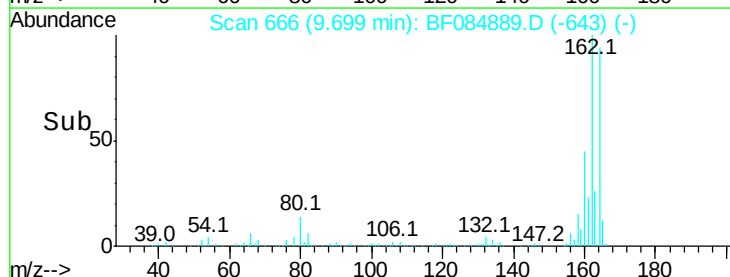
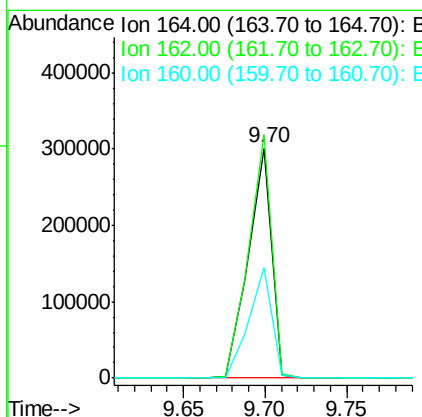
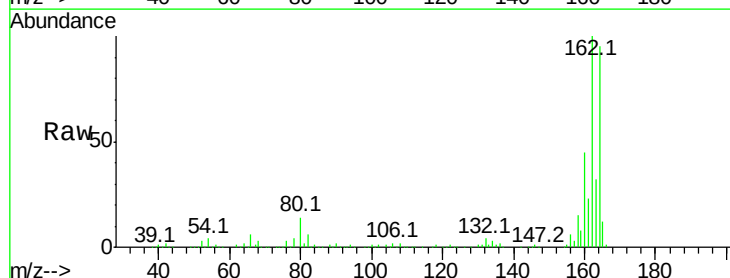
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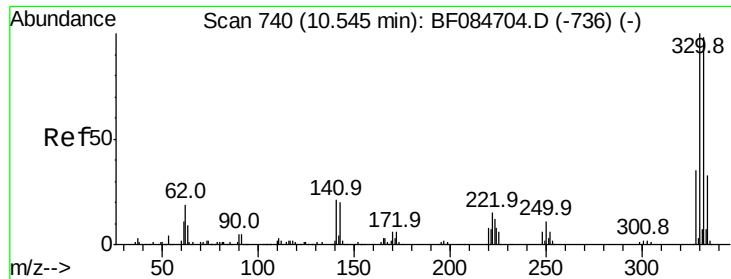
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 666
 Delta R.T. -0.03 min
 Lab File: BF084889.D
 Acq: 6 Feb 2016 4:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.8	85.1	127.7
160	47.7	37.5	56.3





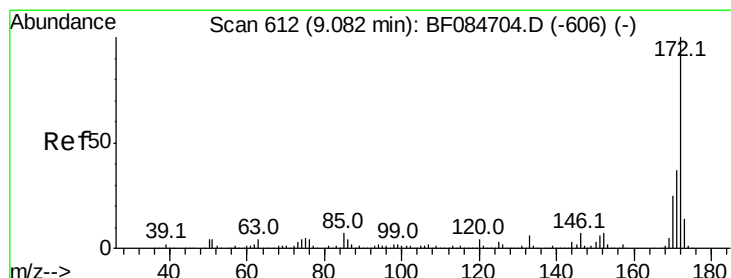
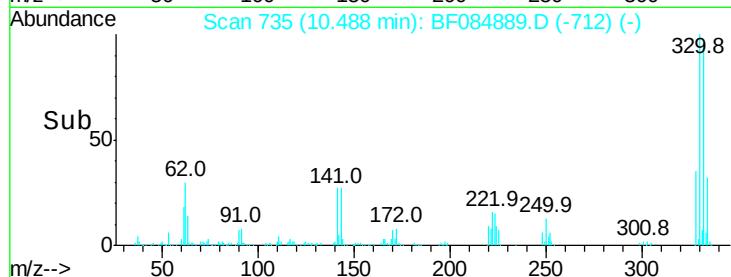
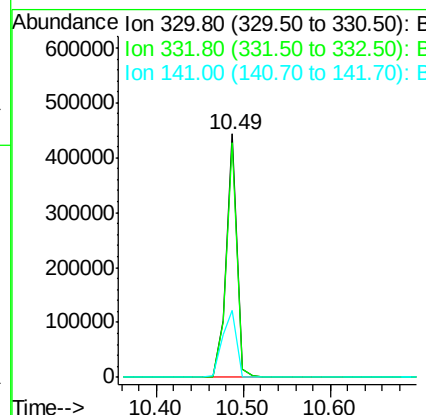
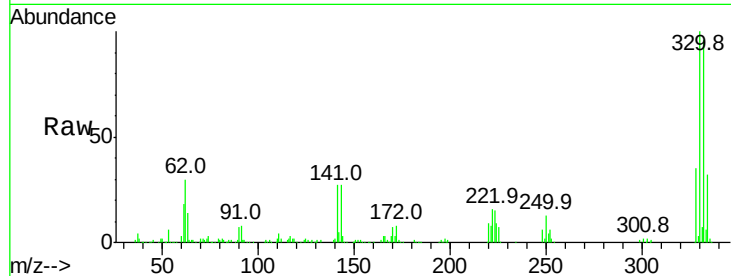
#41
 2,4,6-Tribromophenol
 Concen: 125.65 ng
 RT: 10.49 min Scan# 735
 Delta R.T. -0.03 min
 Lab File: BF084889.D
 Acq: 6 Feb 2016 4:50

Instrument :
 BNA_F
 ClientSampleId :
 S4-B006(21.5-23.5)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	391595		
332	96.4	76.6	114.8	
141	35.9	27.8	41.6	

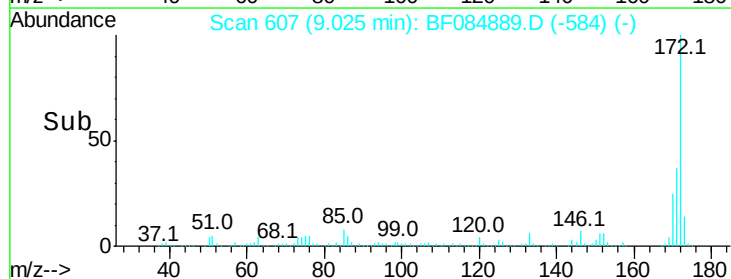
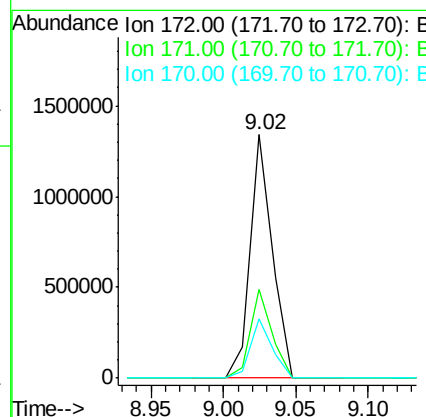
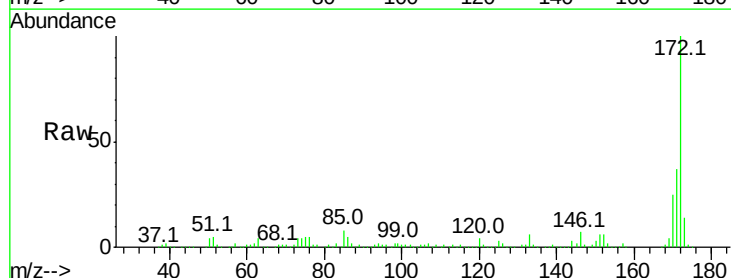
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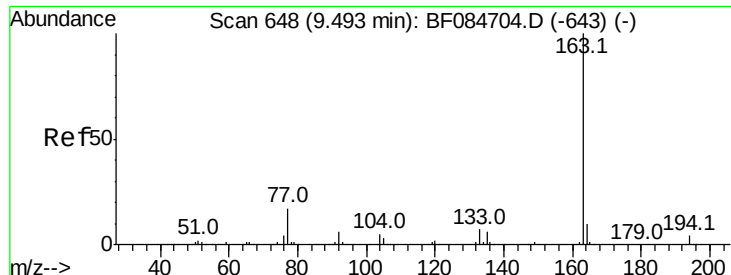
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#44
 2-Fluorobiphenyl
 Concen: 77.97 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.03 min
 Lab File: BF084889.D
 Acq: 6 Feb 2016 4:50

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1422424		
171	36.6	28.9	43.3	
170	24.6	18.6	27.8	





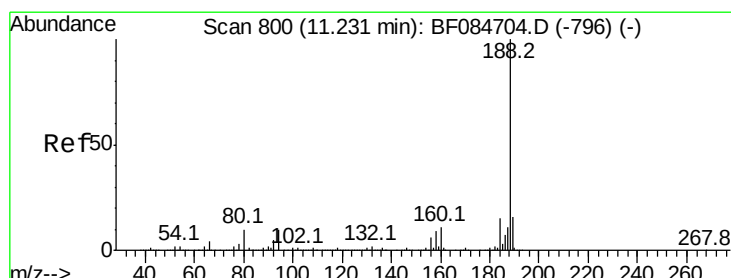
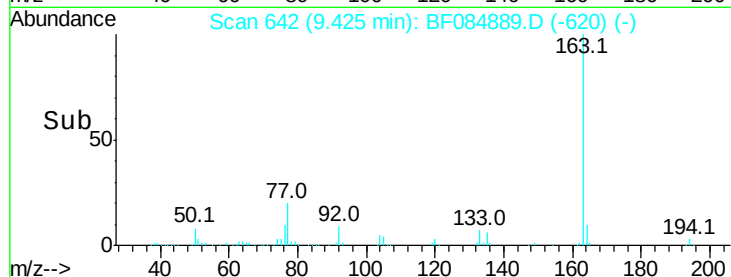
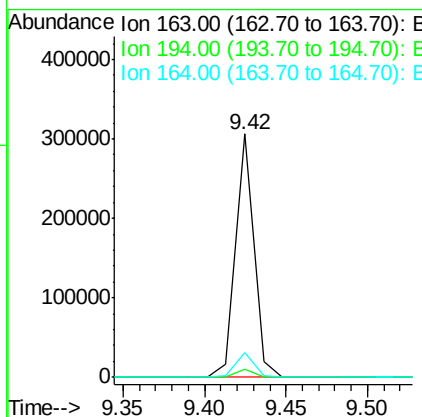
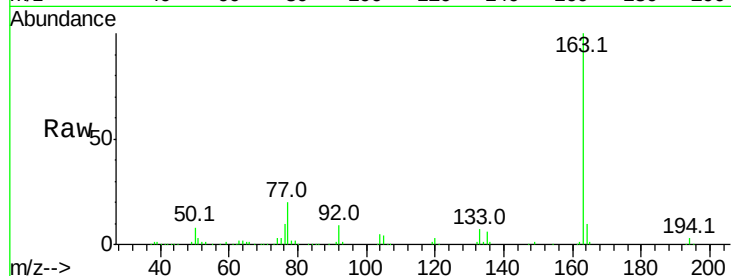
#49
Dimethylphthalate
Concen: 10.36 ng
RT: 9.42 min Scan# 642
Delta R.T. -0.05 min
Lab File: BF084889.D
Acq: 6 Feb 2016 4:50

Instrument :
BNA_F
ClientSampleId :
S4-B006(21.5-23.5)

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.2	8.0	12.0#
164	10.0	8.0	12.0

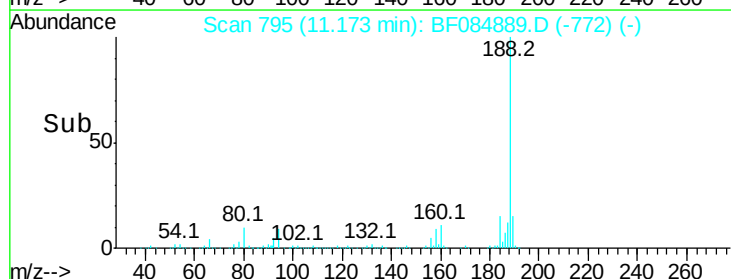
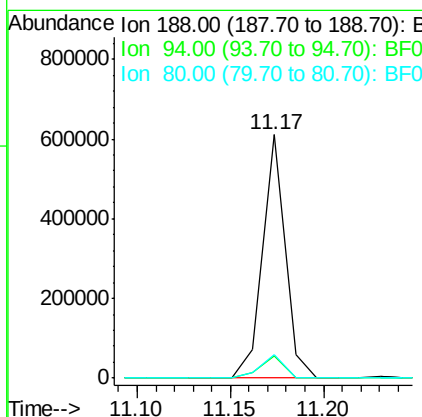
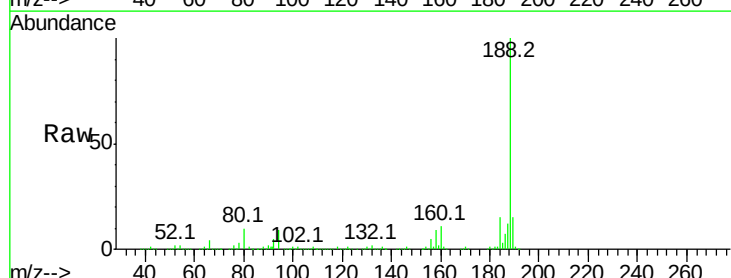
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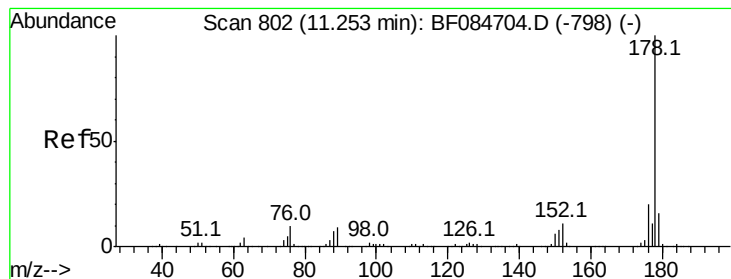
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.17 min Scan# 795
Delta R.T. -0.03 min
Lab File: BF084889.D
Acq: 6 Feb 2016 4:50

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	9.2	9.0	13.4
80	9.9	9.6	14.4





#70

Phenanthrene

Concen: 2.95 ng

RT: 11.20 min Scan# 797

Delta R.T. -0.03 min

Lab File: BF084889.D

Acq: 6 Feb 2016 4:50

Instrument :

BNA_F

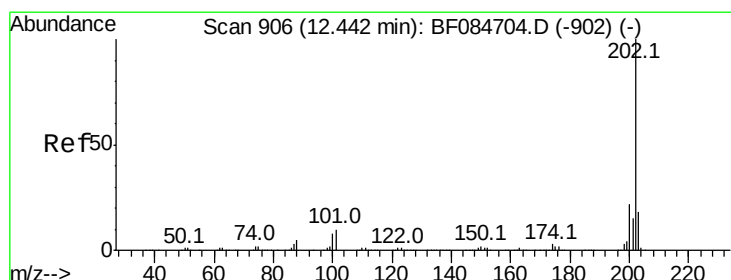
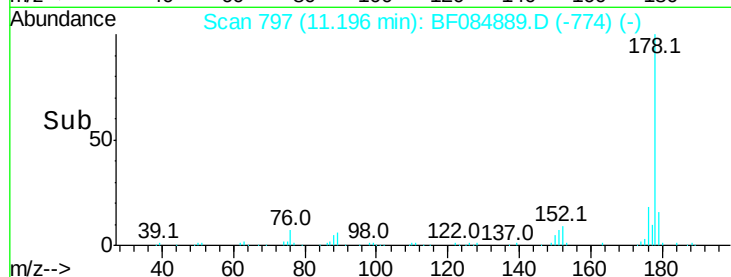
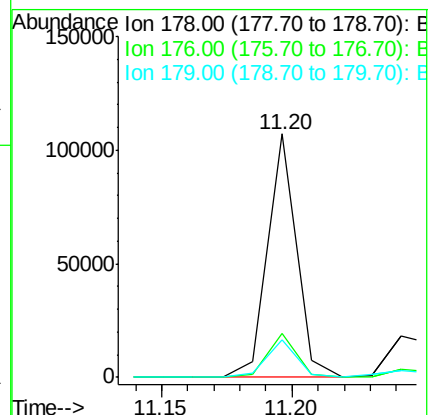
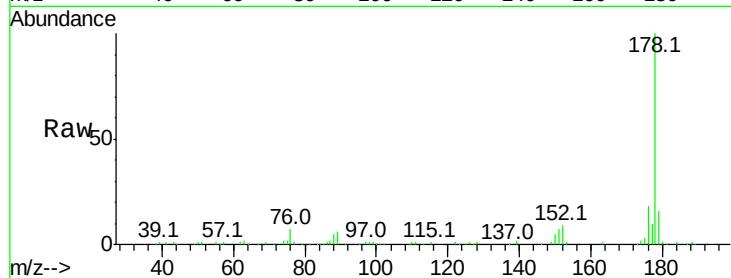
ClientSampleId :

S4-B006(21.5-23.5)

Tot Ion:	178	Resp:	83581
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.3	22.9
179	15.6	12.0	18.0

Manual Integrations
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#74

Fluoranthene

Concen: 6.43 ng

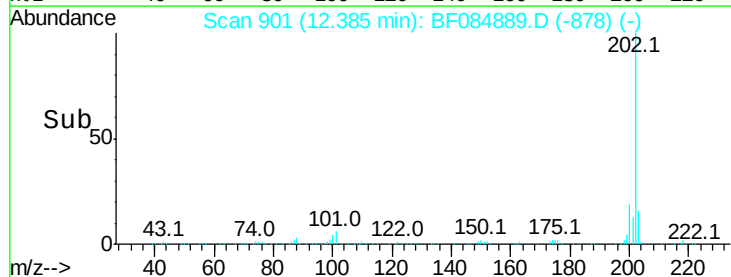
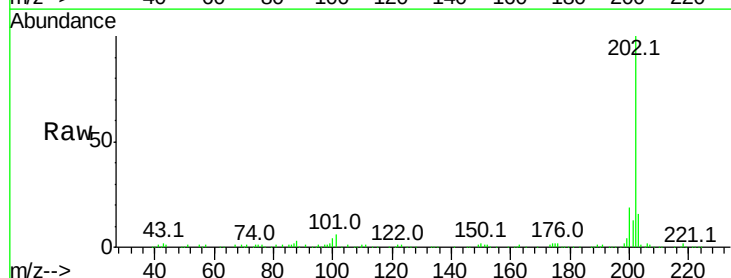
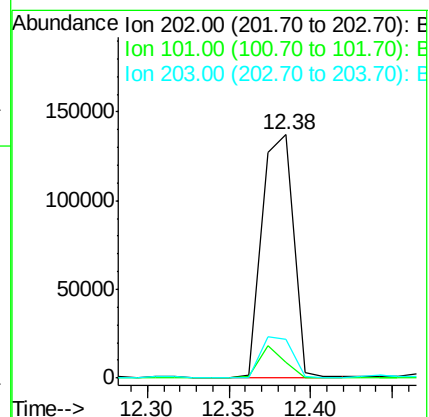
RT: 12.38 min Scan# 901

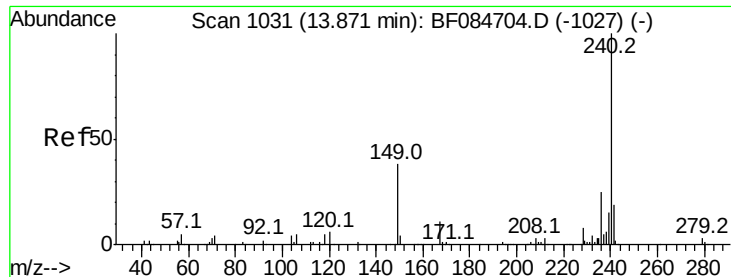
Delta R.T. -0.03 min

Lab File: BF084889.D

Acq: 6 Feb 2016 4:50

Tgt Ion:	202	Resp:	184441
Ion Ratio	Lower	Upper	
202	100		
101	6.4	0.0	32.8
203	15.9	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.80 min Scan# 1025

Delta R.T. -0.03 min

Lab File: BF084889.D

Acq: 6 Feb 2016 4:50

Instrument :

BNA_F

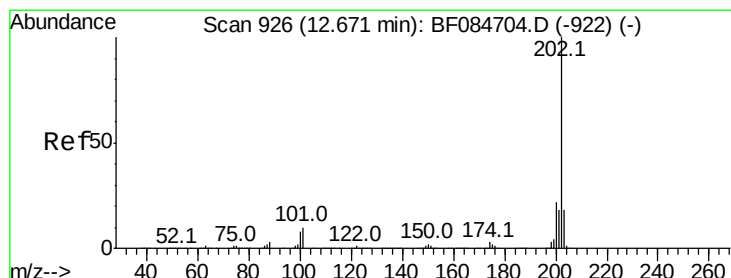
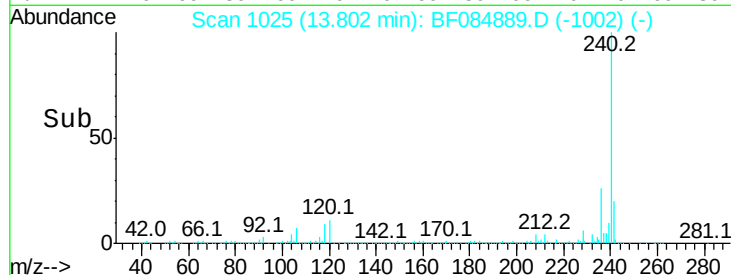
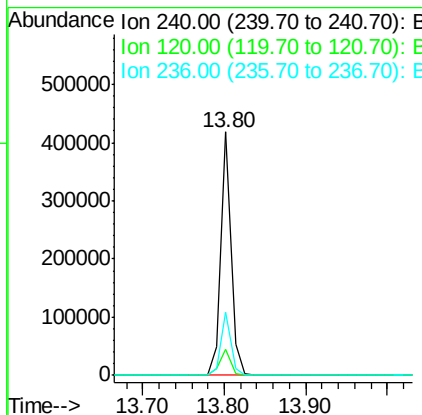
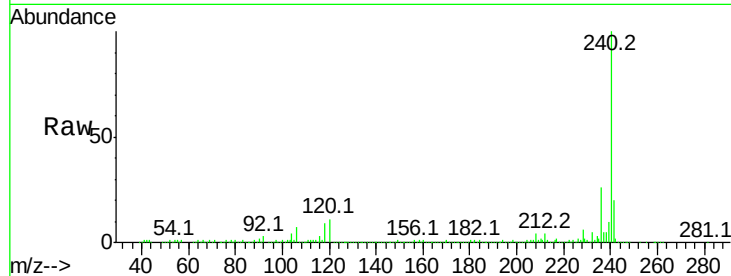
ClientSampleId :

S4-B006(21.5-23.5)

Tot Ion:	240	Resp:	364378
Ion Ratio	Lower	Upper	
240	100		
120	10.9	9.5	14.3
236	25.9	20.6	31.0

Manual Integrations
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#77

Pyrene

Concen: 6.18 ng

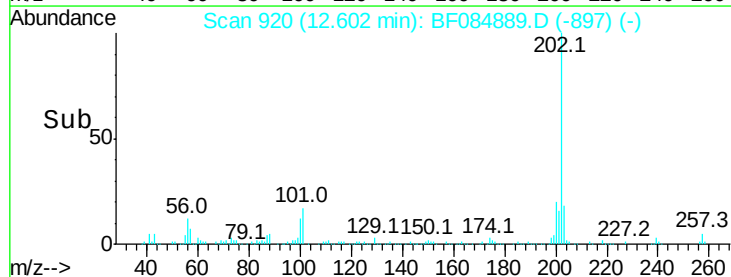
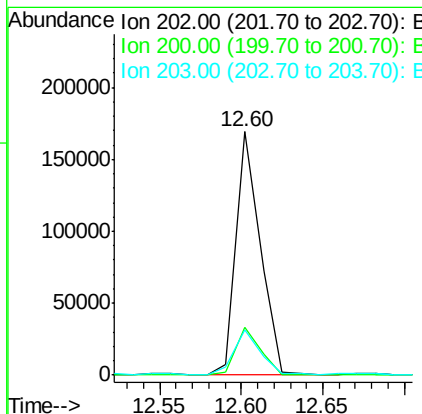
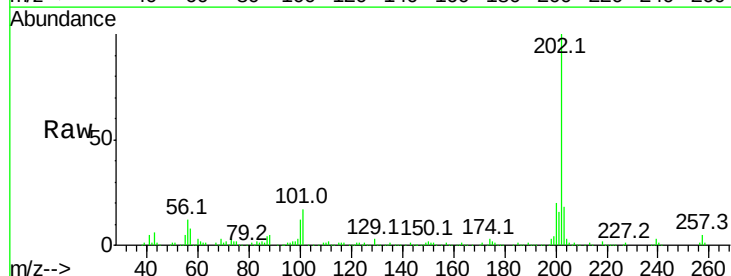
RT: 12.60 min Scan# 920

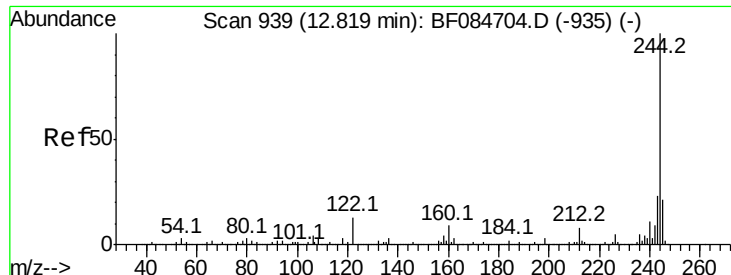
Delta R.T. -0.03 min

Lab File: BF084889.D

Acq: 6 Feb 2016 4:50

Tgt Ion:	202	Resp:	172344
Ion Ratio	Lower	Upper	
202	100		
200	19.8	17.2	25.8
203	18.3	14.3	21.5





#78

Terphenyl-d14

Concen: 70.69 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084889.D

Acq: 6 Feb 2016 4:50

Instrument :

BNA_F

ClientSampleId :

S4-B006(21.5-23.5)

Tot Ion:244 Resp: 1136666

Ion Ratio Lower Upper

244 100

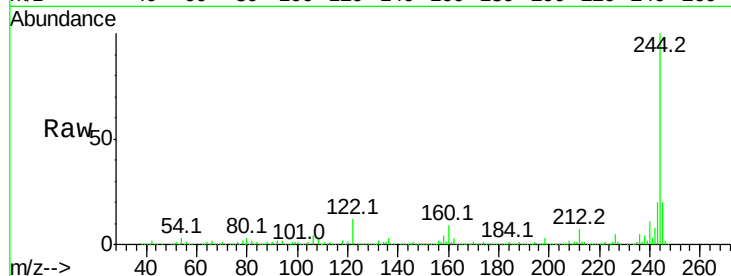
212 7.4 5.7 8.5

122 12.4 7.4 11.0#

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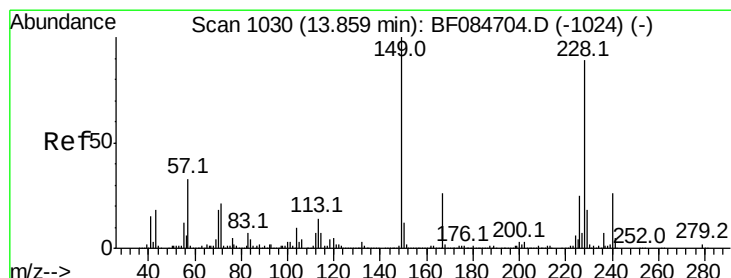
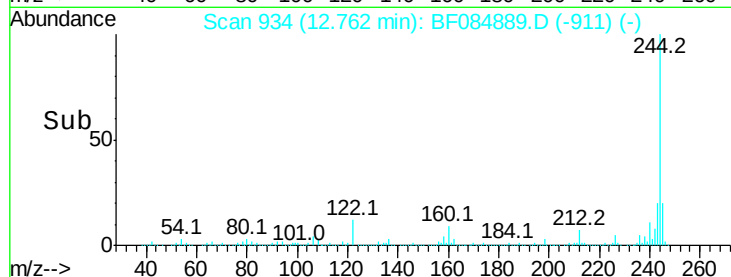
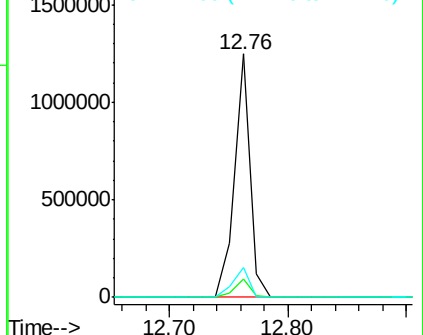
2/8/2016 3:03:24 PM



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: 4.80 ng

RT: 13.79 min Scan# 1024

Delta R.T. -0.03 min

Lab File: BF084889.D

Acq: 6 Feb 2016 4:50

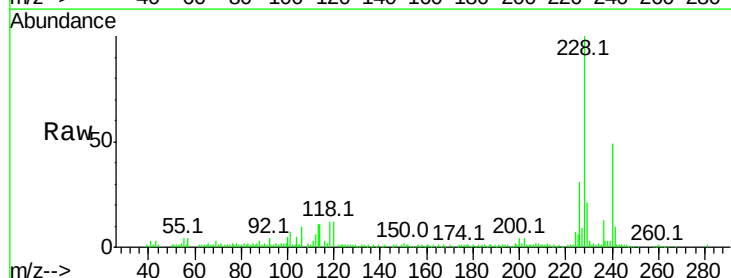
Tgt Ion:228 Resp: 108658

Ion Ratio Lower Upper

228 100

226 30.7 21.8 32.6

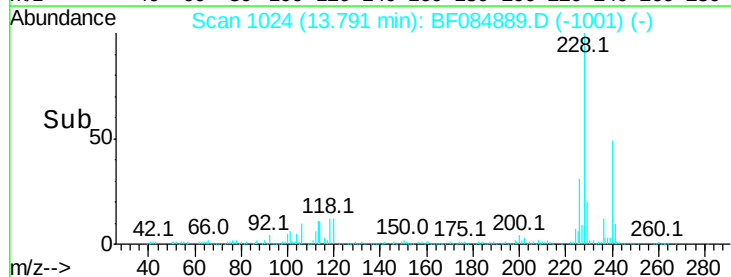
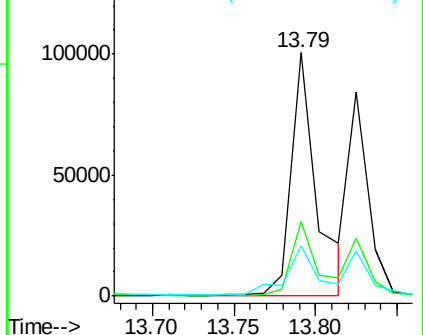
229 20.6 15.8 23.8

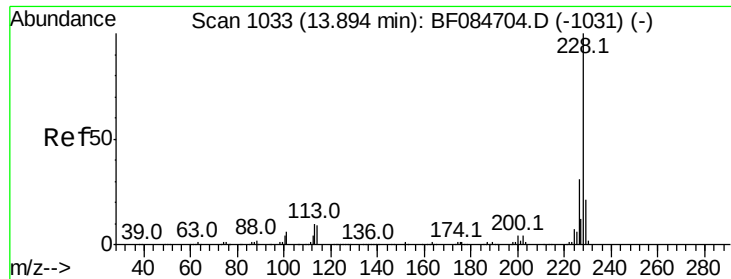


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.29 ng

RT: 13.83 min Scan# 1027

Delta R.T. -0.03 min

Lab File: BF084889.D

Acq: 6 Feb 2016 4:50

Instrument :

BNA_F

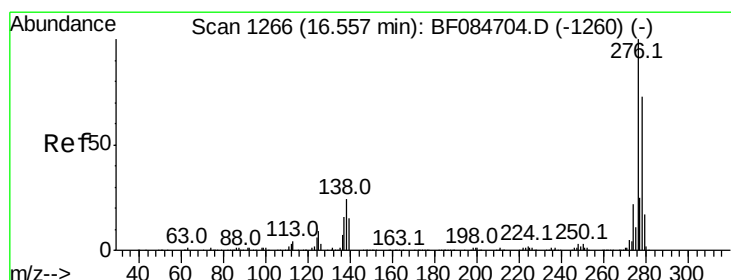
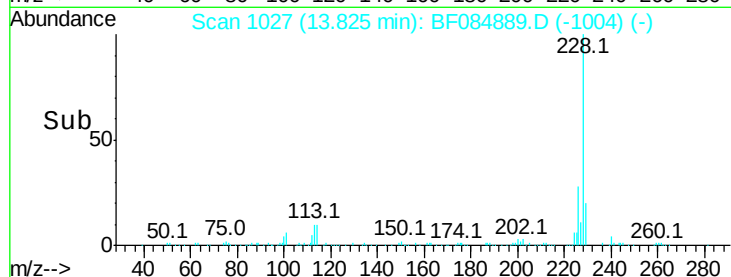
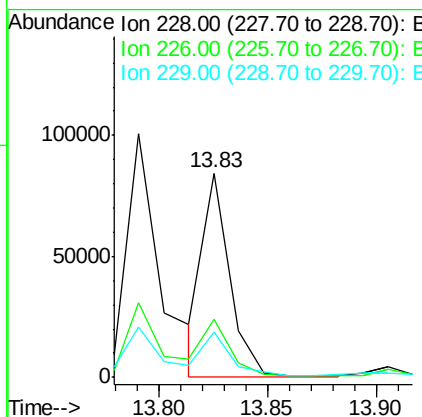
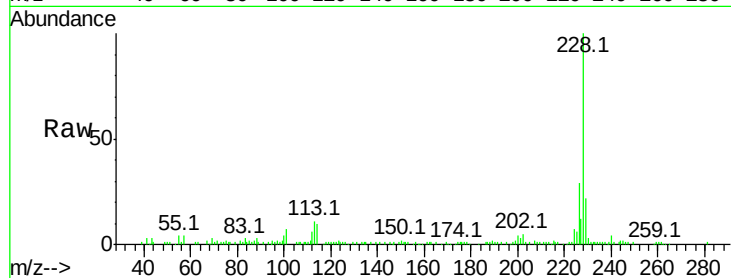
ClientSampleId :

S4-B006(21.5-23.5)

Tot Ion:	228	Resp:	72203
Ion Ratio	Lower	Upper	
228	100		
226	28.7	24.3	36.5
229	22.2	16.1	24.1

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.39 ng

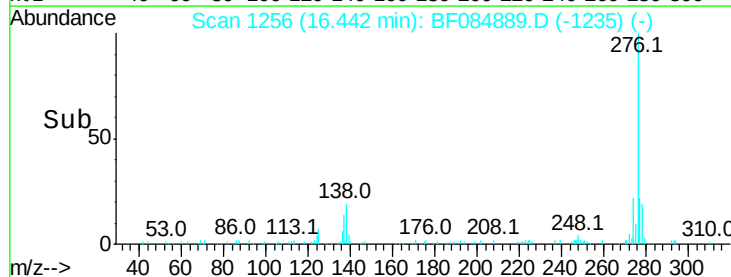
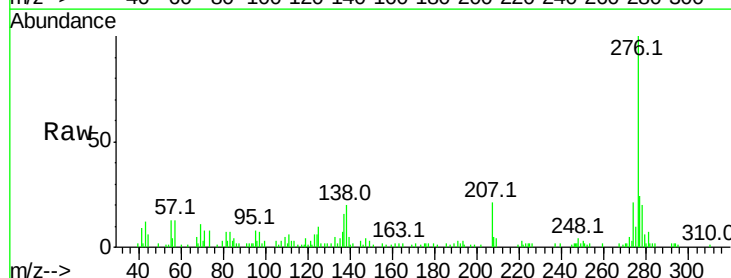
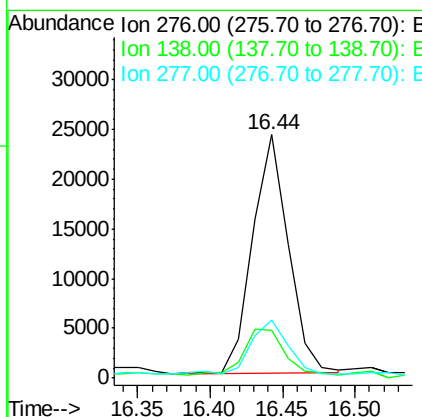
RT: 16.44 min Scan# 1256

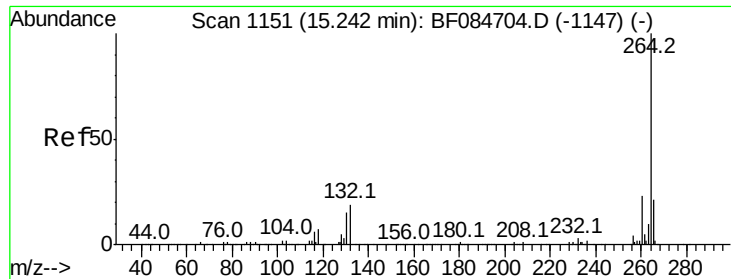
Delta R.T. -0.06 min

Lab File: BF084889.D

Acq: 6 Feb 2016 4:50

Tgt Ion:	276	Resp:	41171
Ion Ratio	Lower	Upper	
276	100		
138	24.2	20.6	30.8
277	30.8	20.1	30.1#





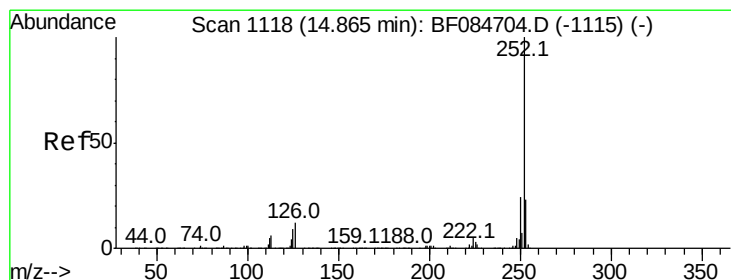
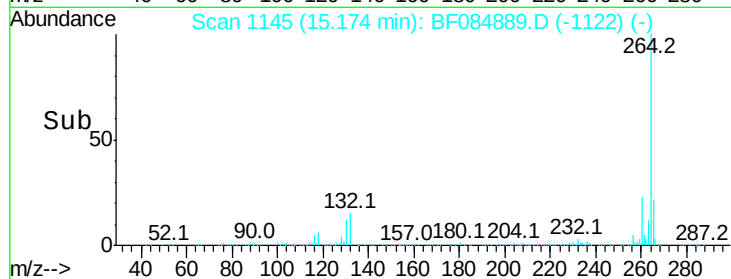
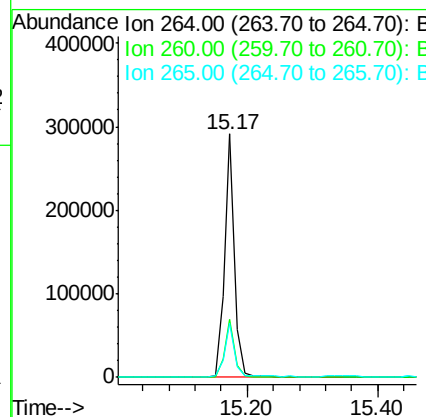
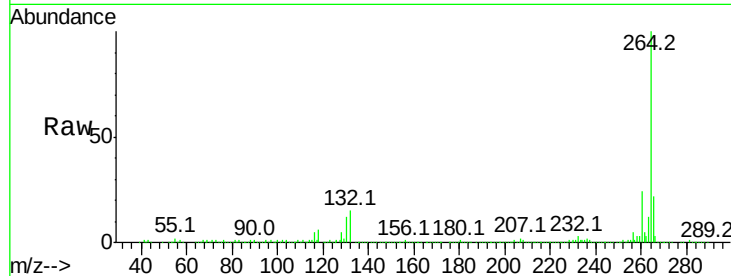
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1145
Delta R.T. -0.03 min
Lab File: BF084889.D
Acq: 6 Feb 2016 4:50

Instrument :
BNA_F
ClientSampleId :
S4-B006(21.5-23.5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	22.3	17.8	26.6

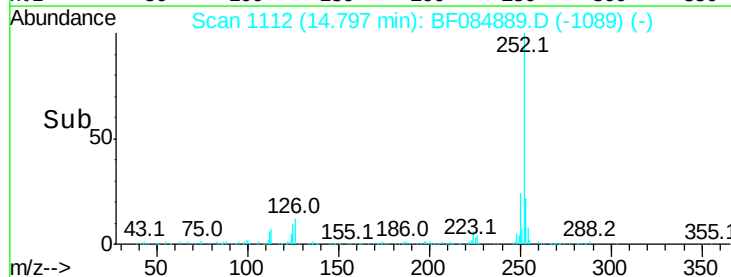
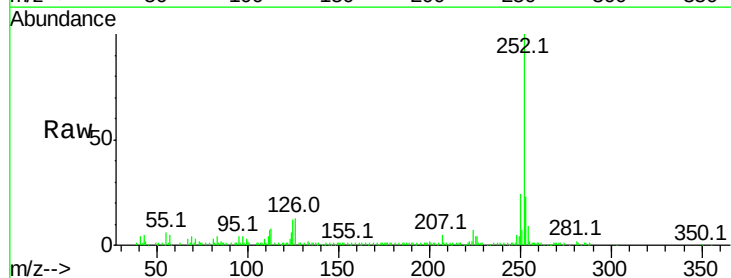
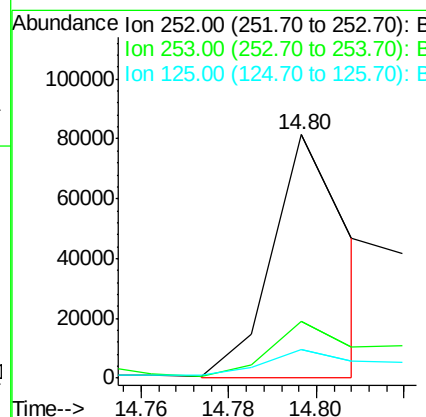
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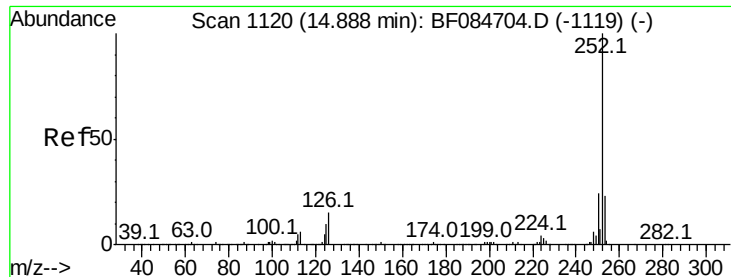
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#87
Benzo(b)fluoranthene
Concen: 4.56 ng m
RT: 14.80 min Scan# 1112
Delta R.T. -0.03 min
Lab File: BF084889.D
Acq: 6 Feb 2016 4:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.3	25.9
125	11.8	6.5	9.7#





#88

Benzo(k)fluoranthene

Concen: 2.14 ng

RT: 14.81 min Scan# 1113

Delta R.T. -0.05 min

Lab File: BF084889.D

Acq: 6 Feb 2016 4:50

Instrument :

BNA_F

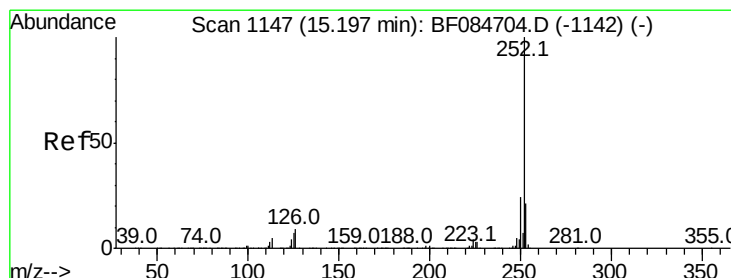
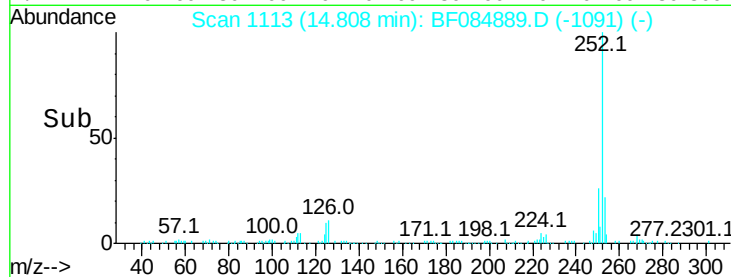
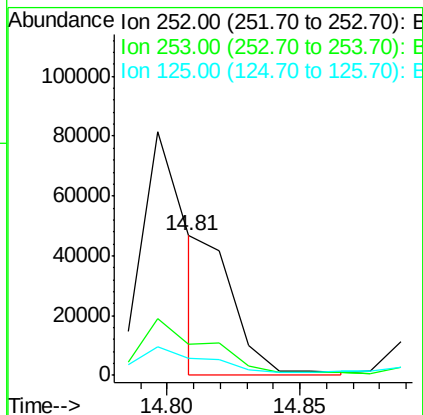
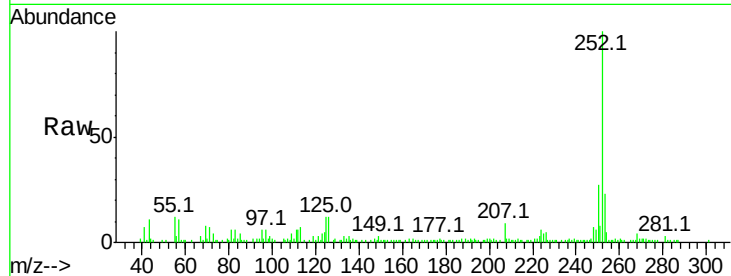
ClientSampleId :

S4-B006(21.5-23.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	12.3	9.0	13.6

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 4.07 ng

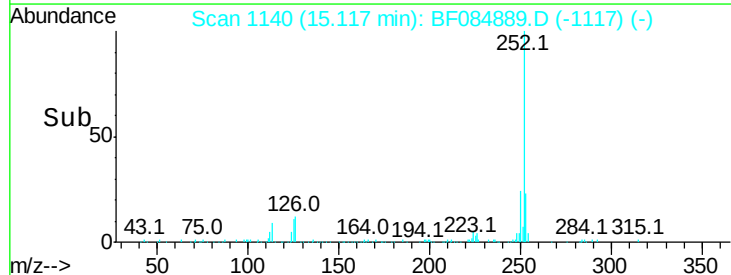
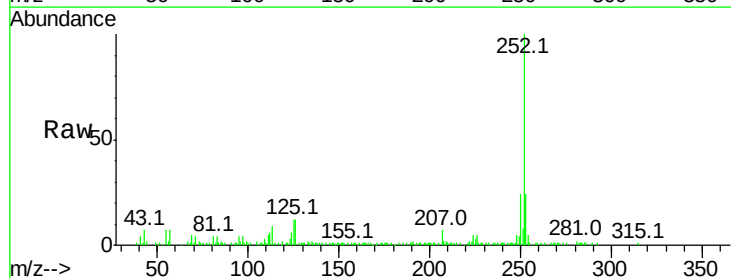
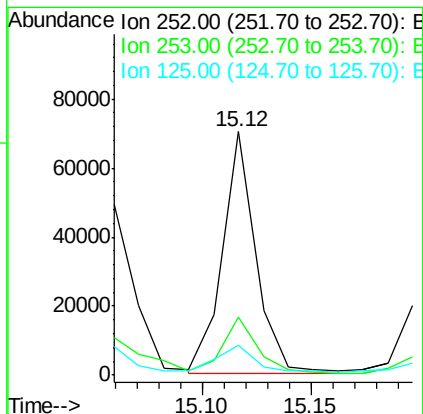
RT: 15.12 min Scan# 1140

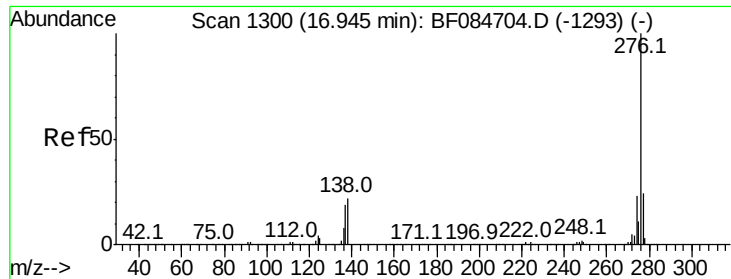
Delta R.T. -0.03 min

Lab File: BF084889.D

Acq: 6 Feb 2016 4:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.3	25.9
125	12.5	7.0	10.4





#91
 Benzo(a,h,i)perylene
 Concen: 2.98 ng
 RT: 16.82 min Scan# 1289
 Delta R.T. -0.07 min
 Lab File: BF084889.D
 Acq: 6 Feb 2016 4:50

Instrument :
 BNA_F
 ClientSampleId :
 S4-B006(21.5-23.5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.8	28.2
138	22.1	17.8	26.6

Manual Integrations
 APPROVED

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 2/8/2016 3:03:24 PM

