

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
 Data File : BF084890.D
 Acq On : 6 Feb 2016 5:18
 Operator : SJ/IZ
 Sample : H1329-12 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B010(0-2)

Manual Integrations
 APPROVED

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 2/8/2016 3:03:27 PM

Quant Time: Feb 08 00:26:06 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	157526	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	637868	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	271727	20.00	ng	-0.03
63) Phenanthrene-d10	11.17	188	453919	20.00	ng	-0.03
75) Chrysene-d12	13.80	240	313738	20.00	ng	-0.03
86) Perylene-d12	15.17	264	316709	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	209420	20.71	ng	-0.03
7) Phenol-d6	6.30	99	277233	22.11	ng	-0.03
23) Nitrobenzene-d5	7.23	82	155212	13.71	ng	-0.03
41) 2,4,6-Tribromophenol	10.48	330	37989	13.40	ng	-0.05
44) 2-Fluorobiphenyl	9.02	172	306934	14.08	ng	-0.03
78) Terphenyl-d14	12.76	244	192407	13.90	ng	-0.03
Target Compounds						
49) Dimethylphthalate	9.42	163	99582	4.81	ng	Qvalue # 90
70) Phenanthrene	11.20	178	82140	3.26	ng	99
74) Fluoranthene	12.39	202	123979	4.87	ng	91
77) Pyrene	12.60	202	119670	4.98	ng	99
80) Benzo(a)anthracene	13.79	228	56871	2.92	ng	94
87) Benzo(b)fluoranthene	14.80	252	53066m	2.49	ng	
89) Benzo(a)pyrene	15.12	252	41859	2.31	ng	# 90

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

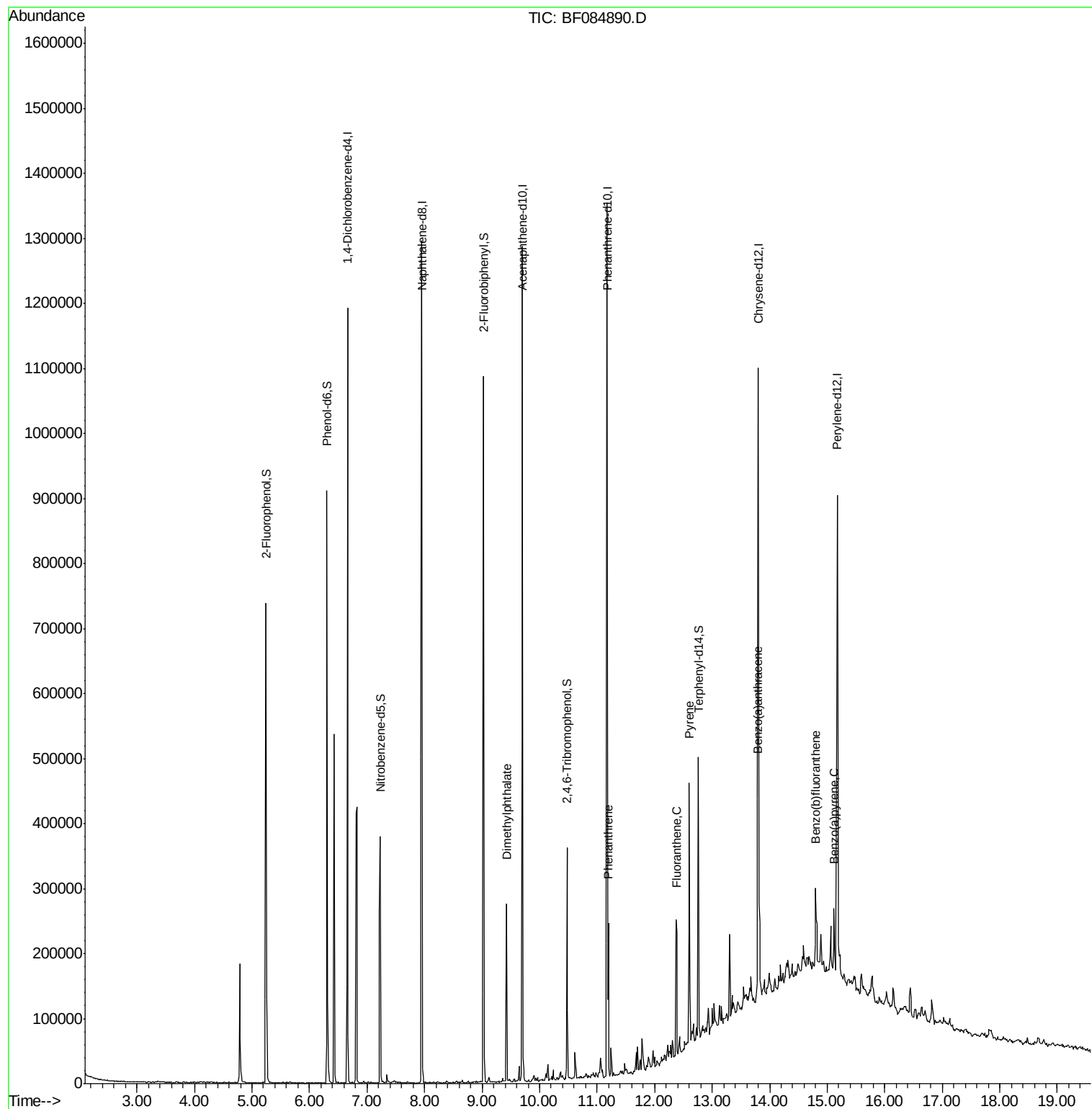
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
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Acq On : 6 Feb 2016 5:18
Operator : SJ/IZ
Sample : H1329-12 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

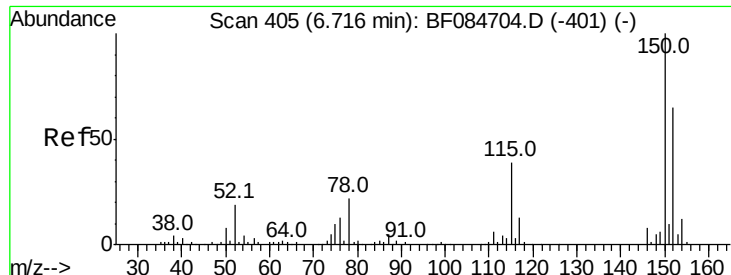
Instrument :
BNA_F
ClientSampleId :
S4-B010(0-2)

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

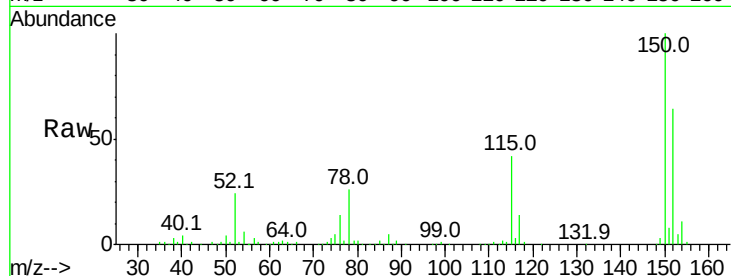
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.66 min Scan# 400
Delta R.T. -0.02 min
Lab File: BF084890.D
Acq: 6 Feb 2016 5:18

Instrument :
BNA_F
ClientSampleId :
S4-B010(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
152	100	157526		
150	157.1	123.0	184.4	
115	65.7	51.4	77.2	

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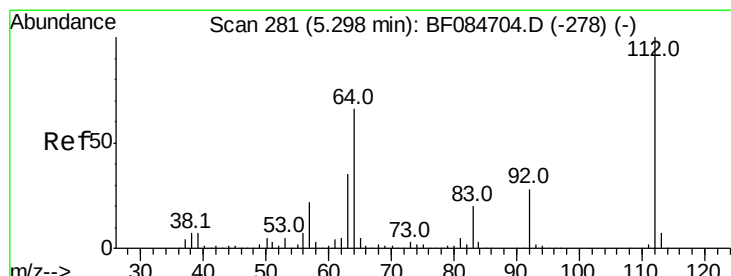
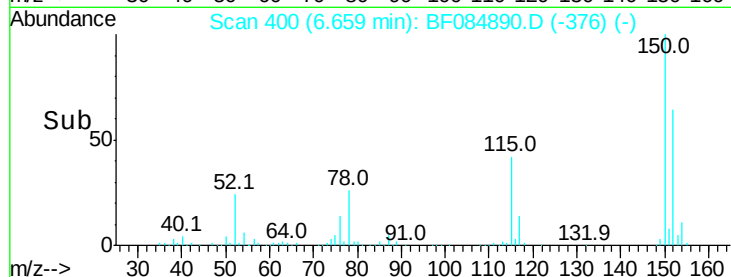
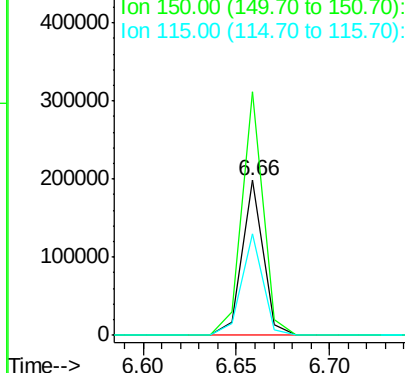


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

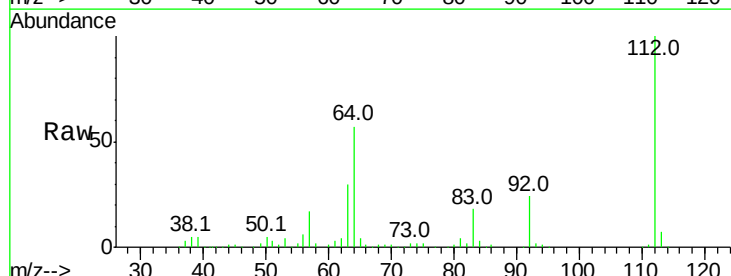
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 20.71 ng
RT: 5.24 min Scan# 276
Delta R.T. -0.03 min
Lab File: BF084890.D
Acq: 6 Feb 2016 5:18

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	209420		
64	56.6	36.6	55.0#	
63	29.5	19.4	29.0#	

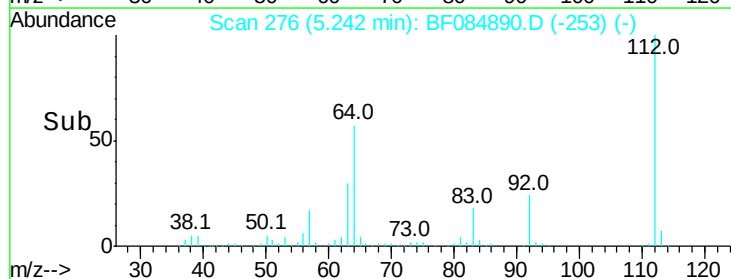
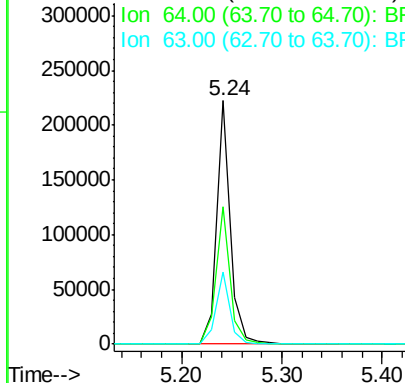


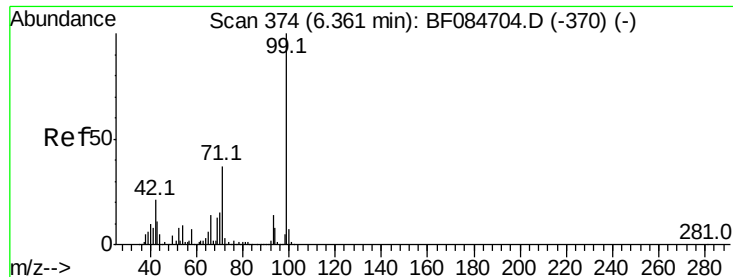
Abundance

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: 22.11 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.03 min

Lab File: BF084890.D

Acq: 6 Feb 2016 5:18

Instrument :

BNA_F

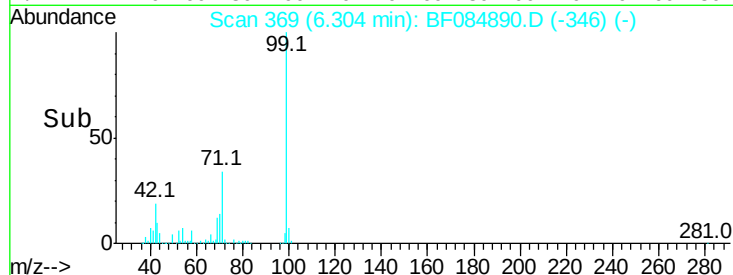
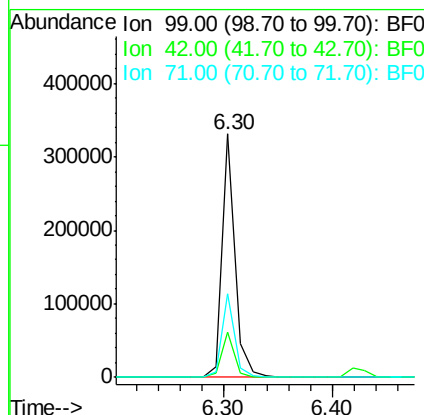
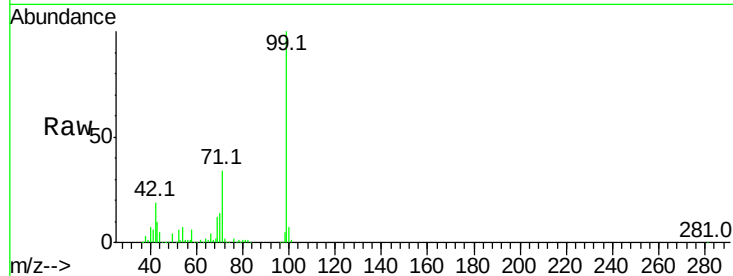
ClientSampleId :

S4-B010(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
99	100	277233		
42	18.6	12.8	19.2	
71	34.3	30.9	46.3	

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#21

Naphthalene-d8

Concen: 20.00 ng

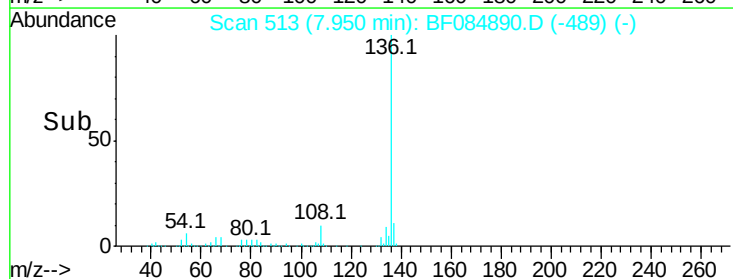
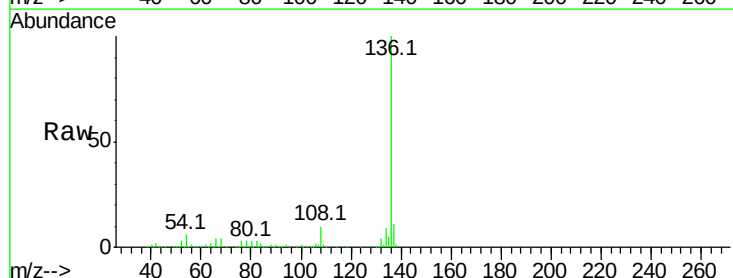
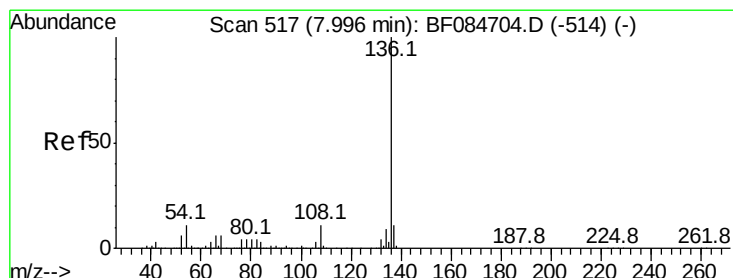
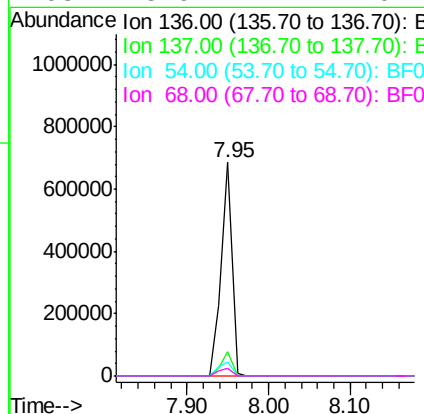
RT: 7.95 min Scan# 513

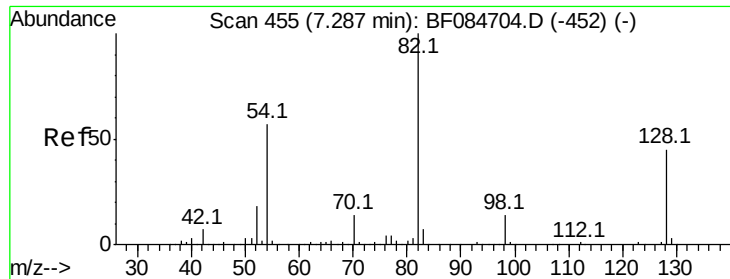
Delta R.T. -0.02 min

Lab File: BF084890.D

Acq: 6 Feb 2016 5:18

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	637868		
137	11.3	8.7	13.1	
54	6.5	5.8	8.8	
68	3.9	4.2	6.2	#





#23

Nitrobenzene-d5

Concen: 13.71 ng

RT: 7.23 min Scan# 450

Delta R.T. -0.03 min

Lab File: BF084890.D

Acq: 6 Feb 2016 5:18

Instrument :

BNA_F

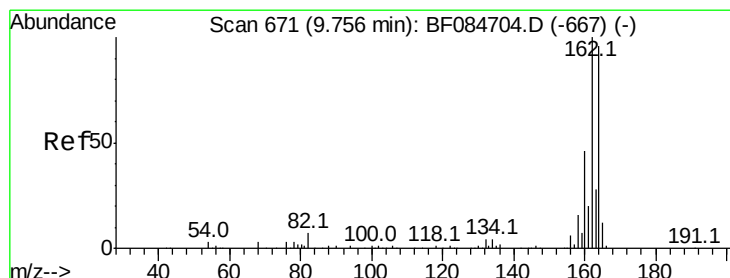
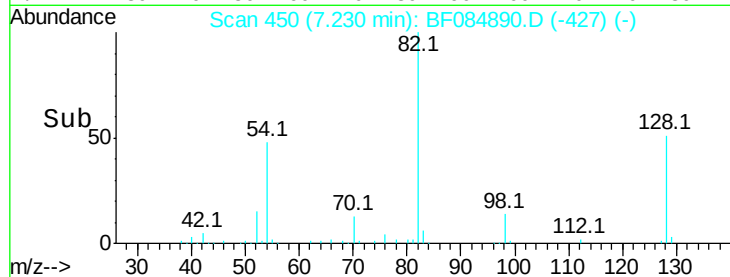
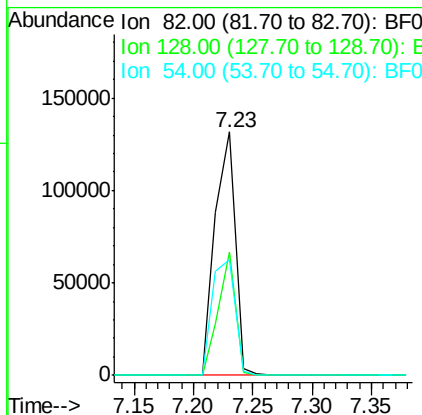
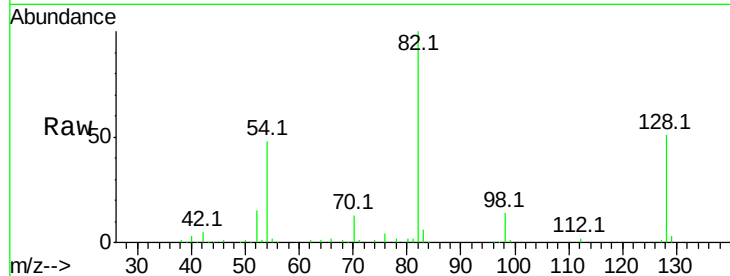
ClientSampleId :

S4-B010(0-2)

Tot Ion:	82	Resp:	155212
Ion Ratio	Lower	Upper	
82	100		
128	50.7	34.6	51.8
54	47.6	38.4	57.6

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#38

Acenaphthene-d10

Concen: 20.00 ng

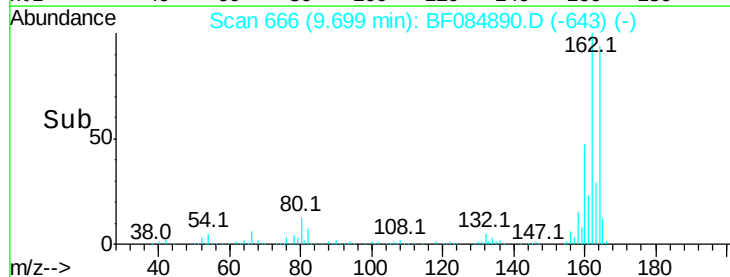
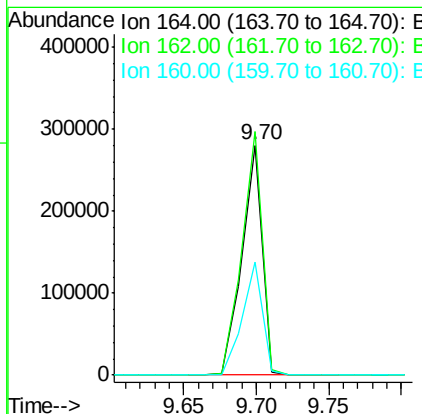
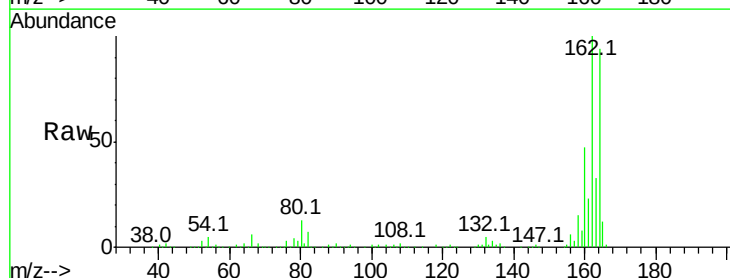
RT: 9.70 min Scan# 666

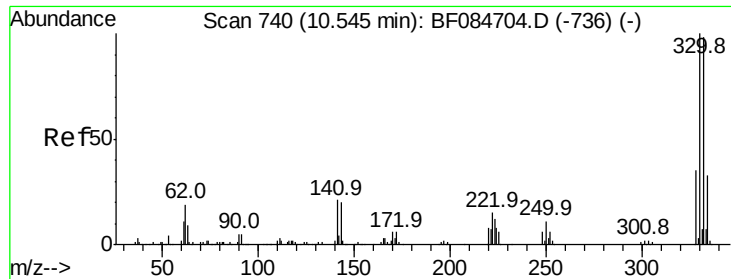
Delta R.T. -0.03 min

Lab File: BF084890.D

Acq: 6 Feb 2016 5:18

Tgt Ion:	164	Resp:	271727
Ion Ratio	Lower	Upper	
164	100		
162	106.1	85.1	127.7
160	49.5	37.5	56.3





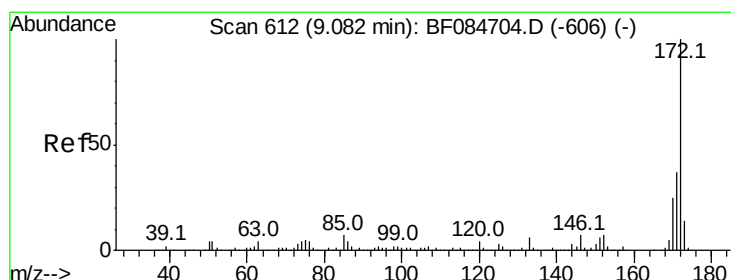
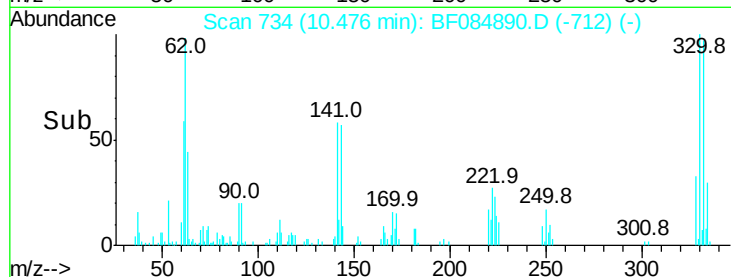
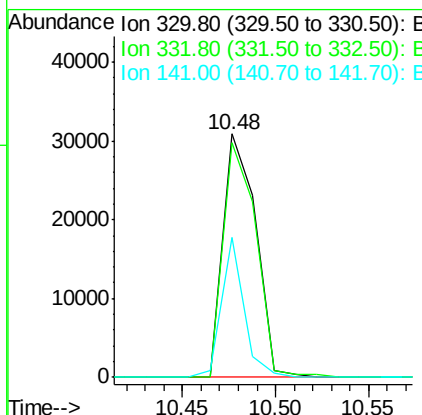
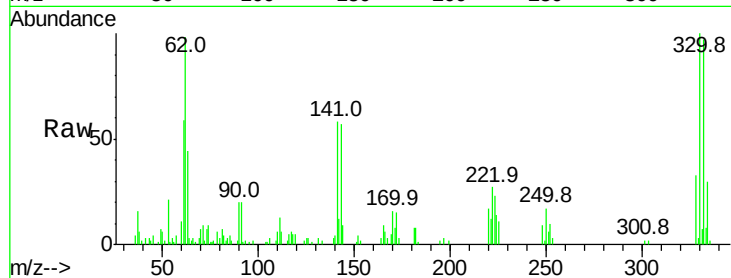
#41
 2,4,6-Tribromophenol
 Concen: 13.40 ng
 RT: 10.48 min Scan# 734
 Delta R.T. -0.05 min
 Lab File: BF084890.D
 Acq: 6 Feb 2016 5:18

Instrument :
 BNA_F
 ClientSampleId :
 S4-B010(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.1		76.6	114.8
141	39.3		27.8	41.6

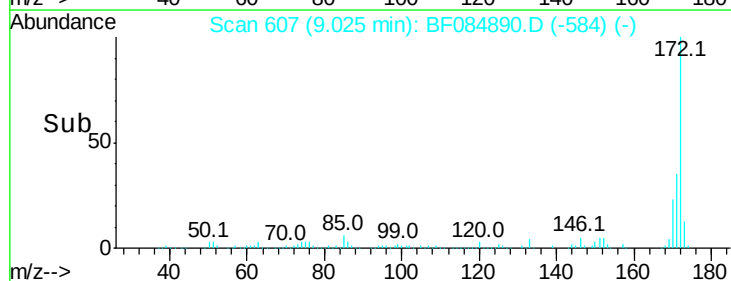
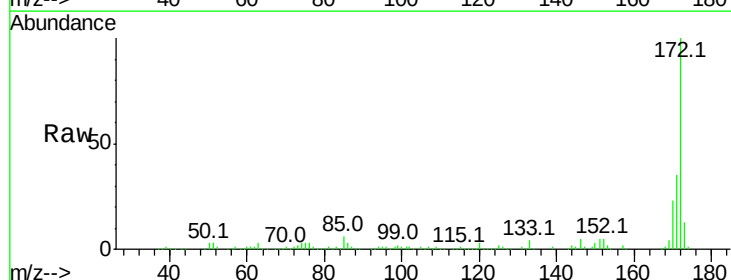
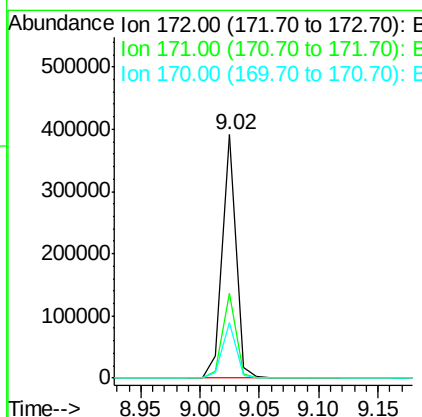
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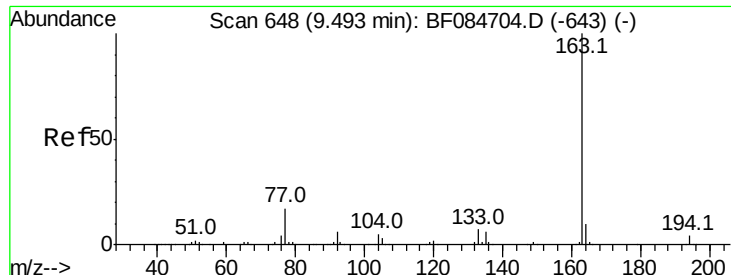
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#44
 2-Fluorobiphenyl
 Concen: 14.08 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.03 min
 Lab File: BF084890.D
 Acq: 6 Feb 2016 5:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.6		28.9	43.3
170	22.8		18.6	27.8





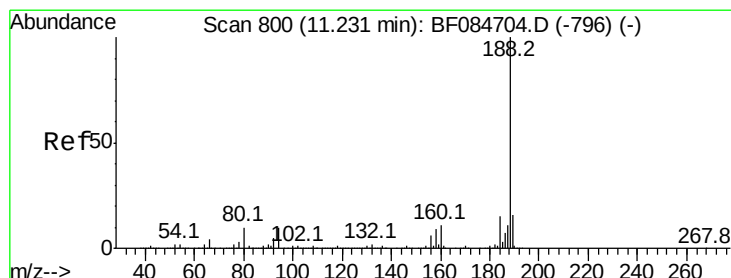
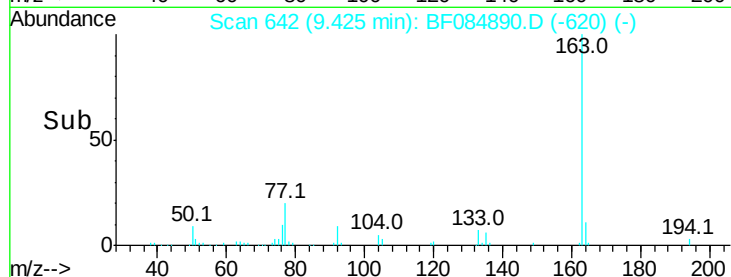
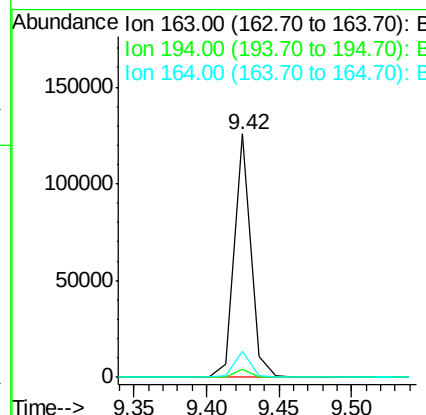
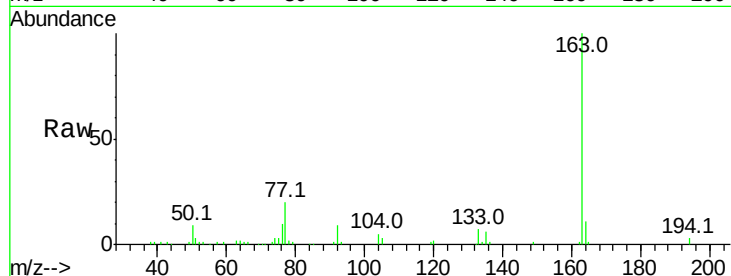
#49
Dimethylphthalate
Concen: 4.81 ng
RT: 9.42 min Scan# 642
Delta R.T. -0.05 min
Lab File: BF084890.D
Acq: 6 Feb 2016 5:18

Instrument :
BNA_F
ClientSampleId :
S4-B010(0-2)

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.2	8.0	12.0#
164	10.7	8.0	12.0

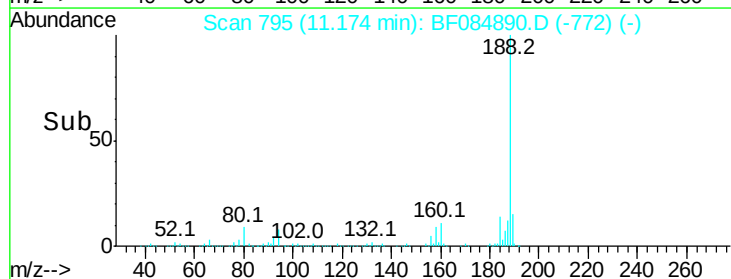
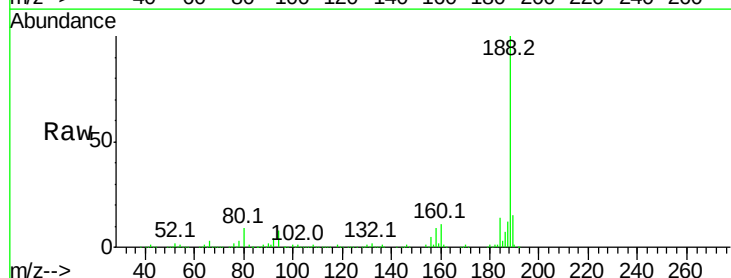
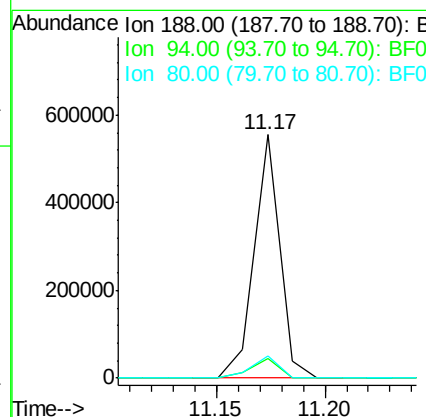
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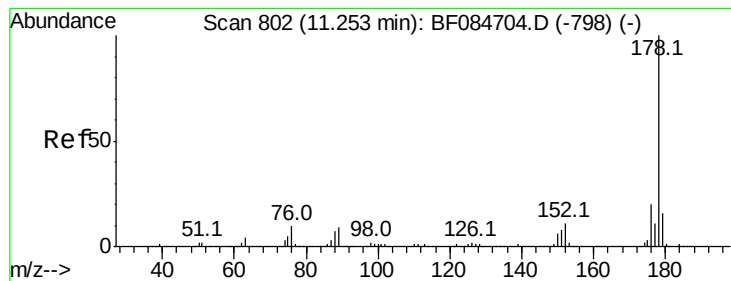
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.17 min Scan# 795
Delta R.T. -0.03 min
Lab File: BF084890.D
Acq: 6 Feb 2016 5:18

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	8.1	9.0	13.4#
80	8.9	9.6	14.4#





#70

Phenanthrene

Concen: 3.26 ng

RT: 11.20 min Scan# 797

Delta R.T. -0.03 min

Lab File: BF084890.D

Acq: 6 Feb 2016 5:18

Instrument :

BNA_F

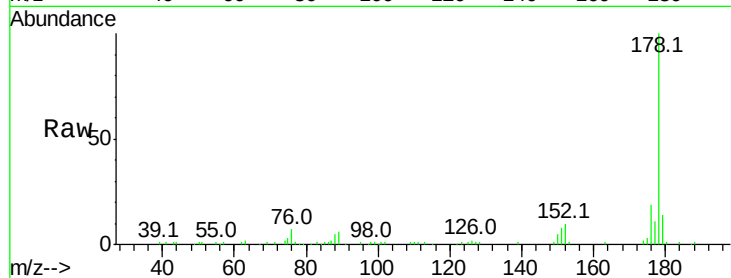
ClientSampleId :

S4-B010(0-2)

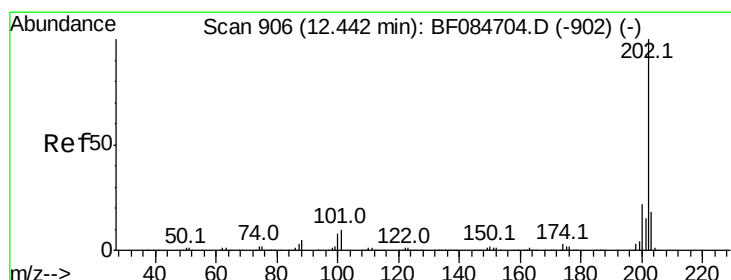
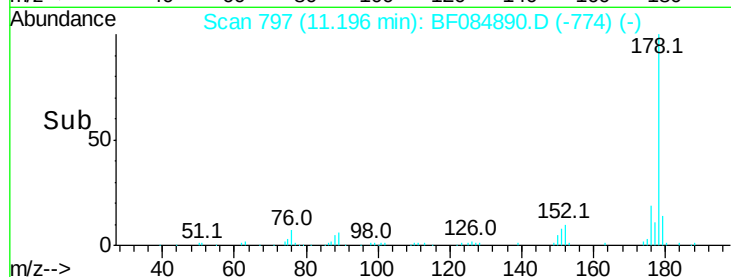
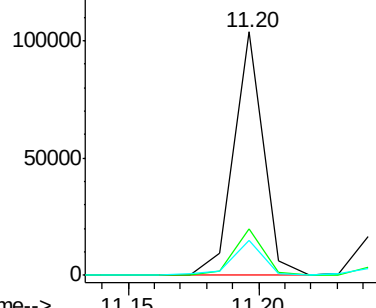
Tot Ion:	178	Resp:	82140
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.3	22.9
179	14.4	12.0	18.0

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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: 4.87 ng

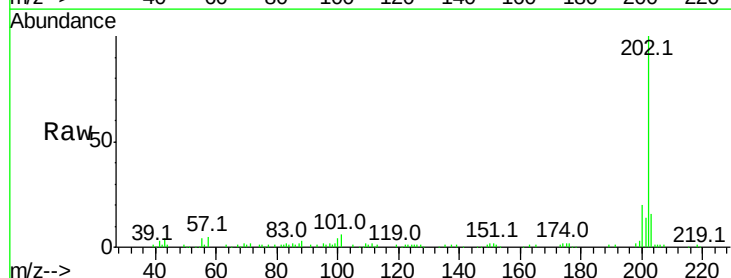
RT: 12.39 min Scan# 901

Delta R.T. -0.03 min

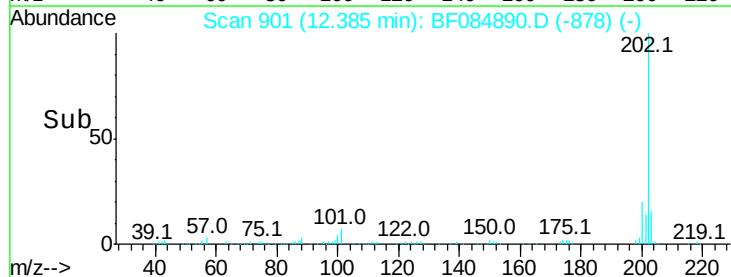
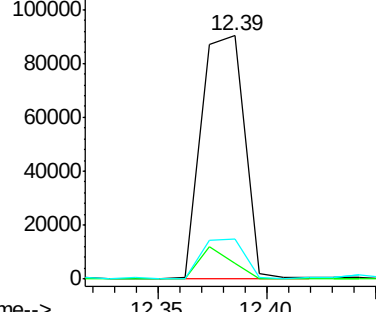
Lab File: BF084890.D

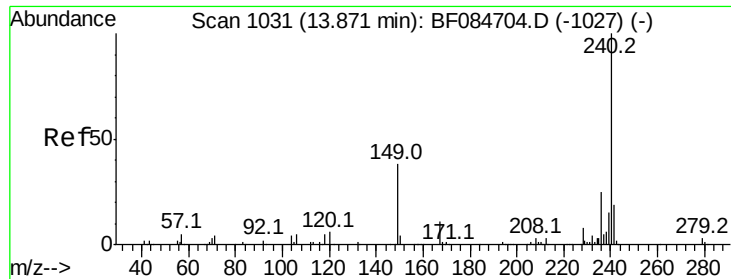
Acq: 6 Feb 2016 5:18

Tgt Ion:	202	Resp:	123979
Ion Ratio	Lower	Upper	
202	100		
101	6.5	0.0	32.8
203	16.3	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: 13.80 min Scan# 1025

Delta R.T. -0.03 min

Lab File: BF084890.D

Acq: 6 Feb 2016 5:18

Instrument :

BNA_F

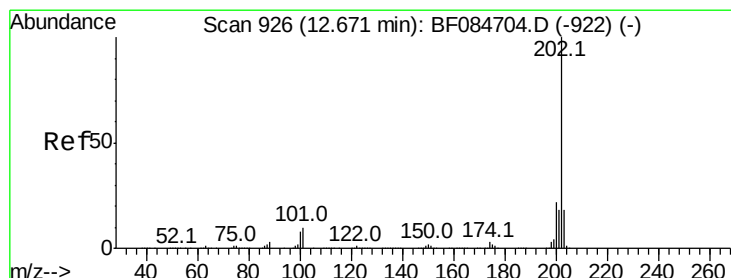
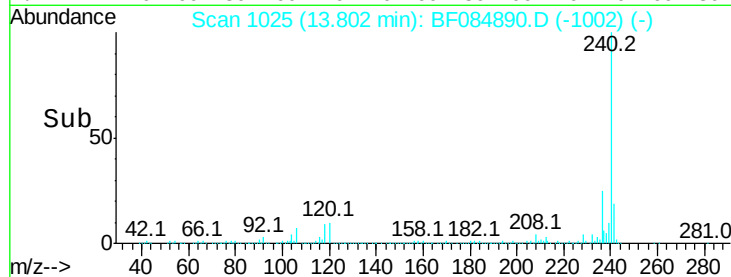
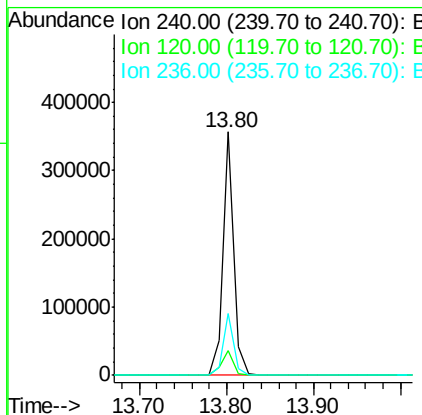
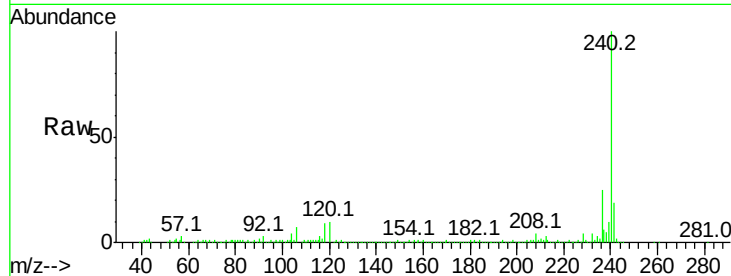
ClientSampleId :

S4-B010(0-2)

Tot Ion:	240	Resp:	313738
Ion Ratio	Lower	Upper	
240	100		
120	10.0	9.5	14.3
236	25.3	20.6	31.0

Manual Integrations
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#77

Pyrene

Concen: 4.98 ng

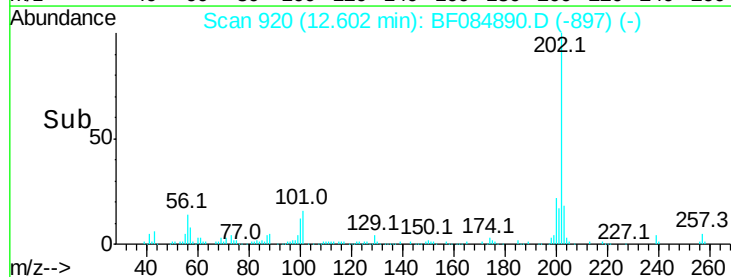
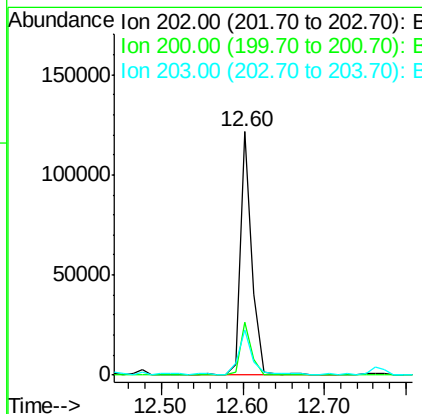
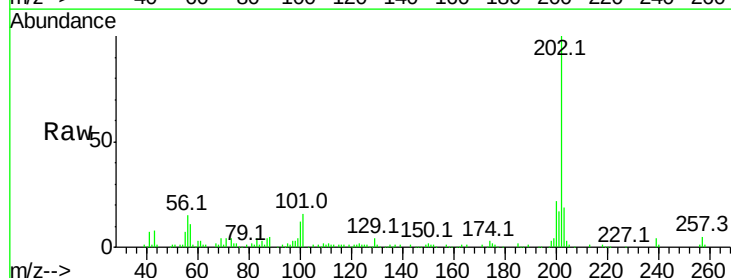
RT: 12.60 min Scan# 920

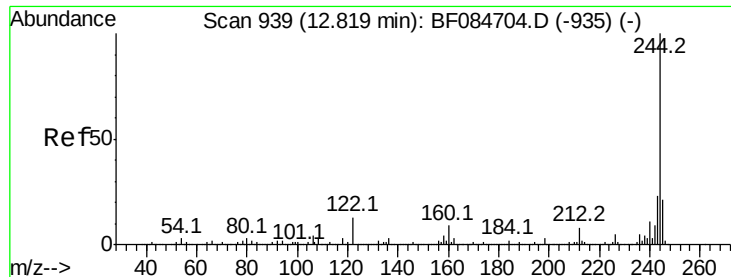
Delta R.T. -0.03 min

Lab File: BF084890.D

Acq: 6 Feb 2016 5:18

Tgt Ion:	202	Resp:	119670
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.2	25.8
203	18.6	14.3	21.5





#78

Terphenyl-d14

Concen: 13.90 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084890.D

Acq: 6 Feb 2016 5:18

Instrument :

BNA_F

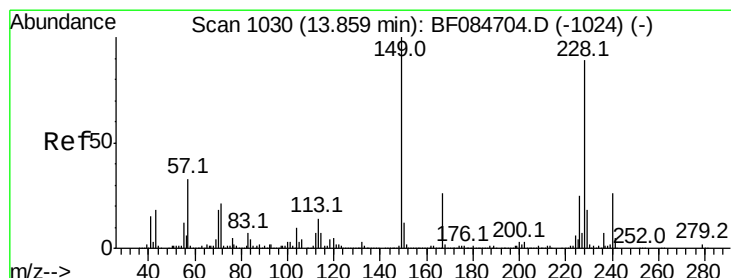
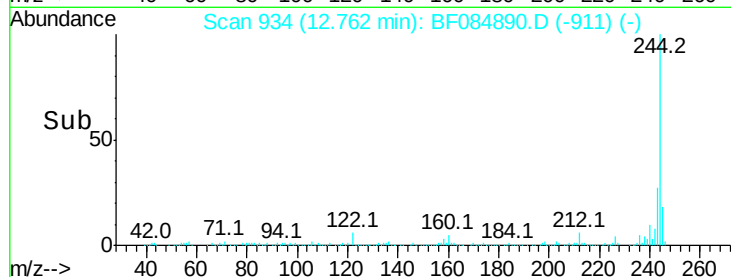
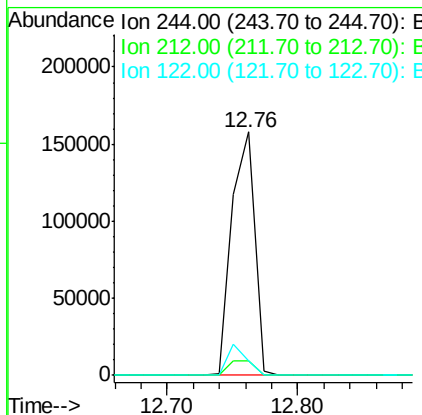
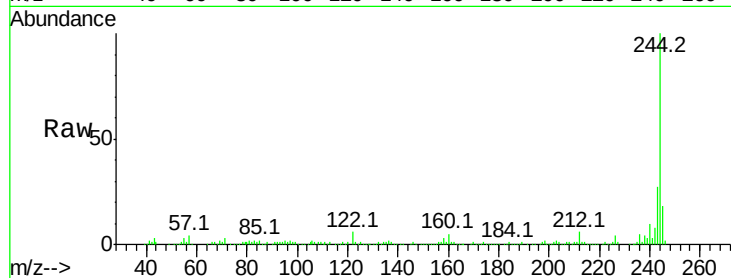
ClientSampleId :

S4-B010(0-2)

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	6.1	5.7	8.5
122	6.2	7.4	11.0

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#80

Benzo(a)anthracene

Concen: 2.92 ng

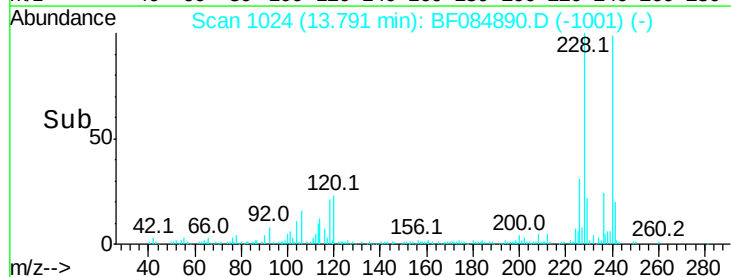
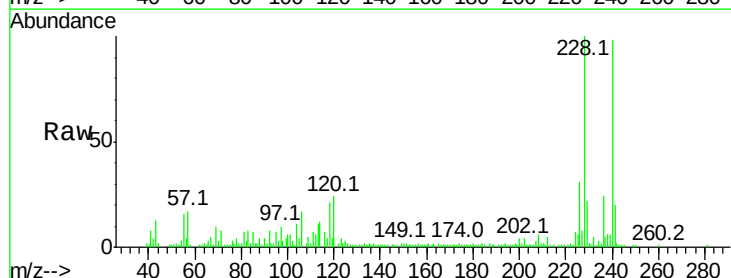
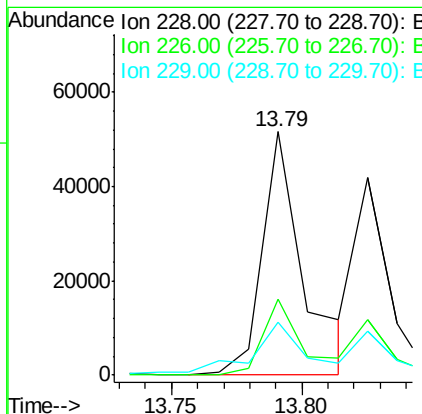
RT: 13.79 min Scan# 1024

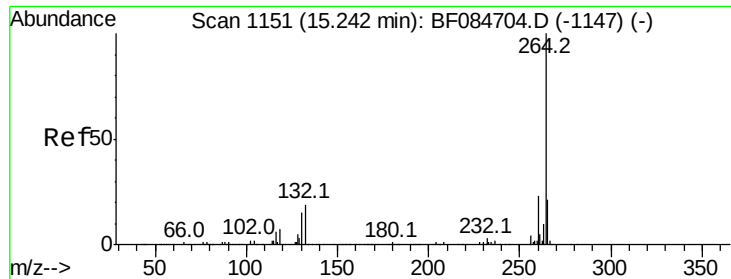
Delta R.T. -0.03 min

Lab File: BF084890.D

Acq: 6 Feb 2016 5:18

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	31.0	21.8	32.6
229	21.5	15.8	23.8





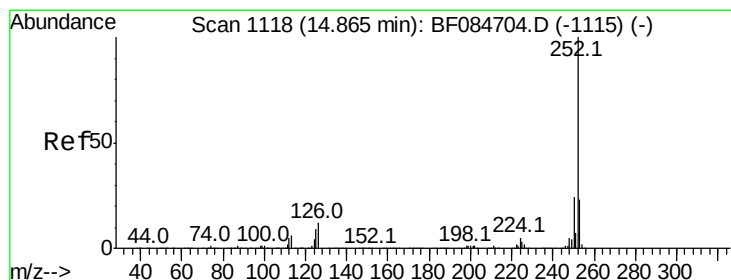
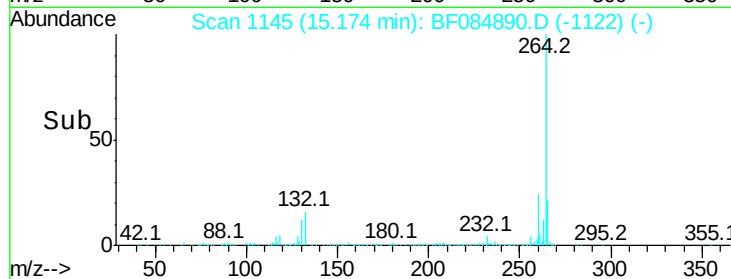
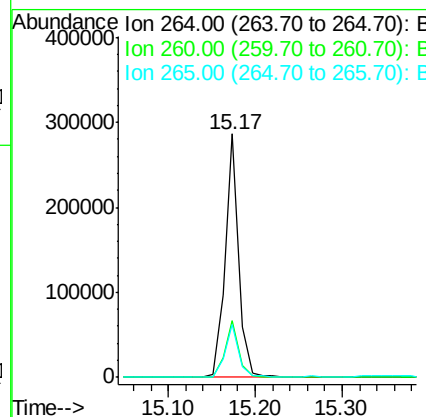
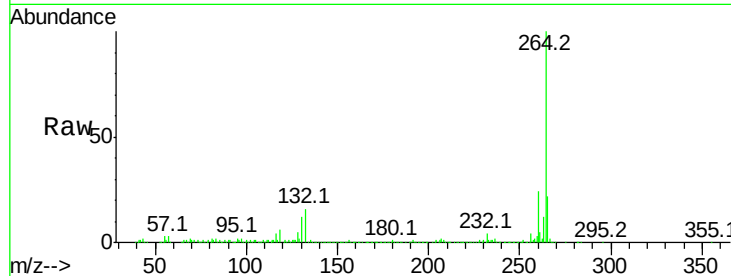
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1145
Delta R.T. -0.03 min
Lab File: BF084890.D
Acq: 6 Feb 2016 5:18

Instrument :
BNA_F
ClientSampleId :
S4-B010(0-2)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	21.6	17.8	26.6

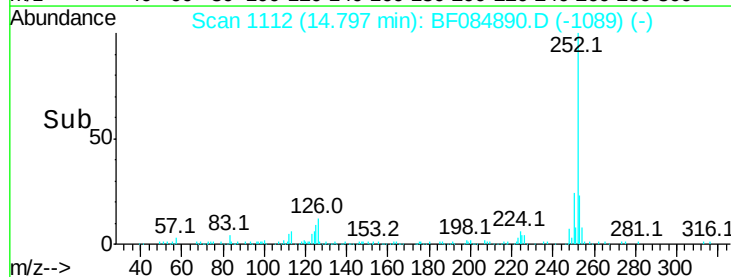
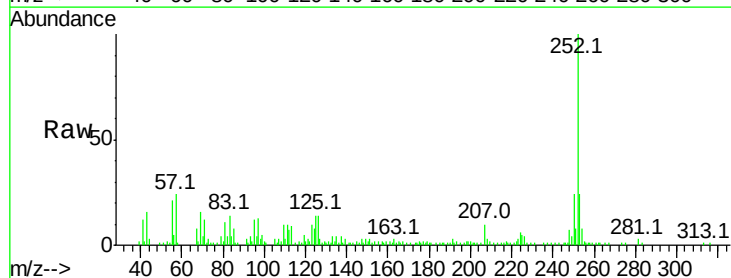
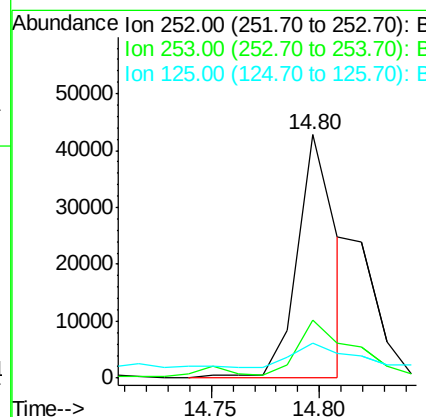
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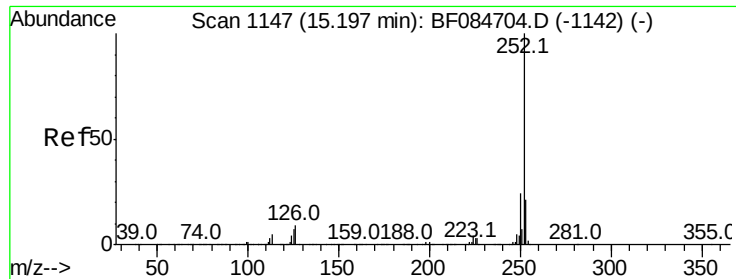
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#87
Benzo(b)fluoranthene
Concen: 2.49 ng m
RT: 14.80 min Scan# 1112
Delta R.T. -0.03 min
Lab File: BF084890.D
Acq: 6 Feb 2016 5:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.3	25.9
125	14.4	6.5	9.7#





#89
 Benzo(a)pyrene
 Concen: 2.31 ng
 RT: 15.12 min Scan# 1140
 Delta R.T. -0.03 min
 Lab File: BF084890.D
 Acq: 6 Feb 2016 5:18

Instrument :
 BNA_F
 ClientSampleId :
 S4-B010(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.3	25.9
125	15.2	7.0	10.4

Manual Integrations
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