

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
 Data File : BF084938.D
 Acq On : 8 Feb 2016 19:43
 Operator : SJ/IZ
 Sample : H1329-18
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B004(0-2)

Manual Integrations
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 2/9/2016 12:57:03 PM

Quant Time: Feb 09 03:47:16 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	6.65	152	178085	20.00	ng	-0.03
21) Naphthalene-d8	7.94	136	750258	20.00	ng	-0.03
38) Acenaphthene-d10	9.69	164	334685	20.00	ng	-0.05
63) Phenanthrene-d10	11.16	188	519686	20.00	ng	-0.05
75) Chrysene-d12	13.79	240	335192	20.00	ng	-0.05
86) Perylene-d12	15.16	264	298113	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	779224	68.15	ng	-0.03
7) Phenol-d6	6.30	99	1212961	85.58	ng	-0.03
23) Nitrobenzene-d5	7.22	82	806577	60.56	ng	-0.05
41) 2,4,6-Tribromophenol	10.48	330	89860	25.74	ng	-0.05
44) 2-Fluorobiphenyl	9.01	172	1310087	59.79	ng	-0.05
78) Terphenyl-d14	12.75	244	956537	64.67	ng	-0.05

Target Compounds						Qvalue
31) Naphthalene	7.96	128	77876	2.07	ng	# 97
49) Dimethylphthalate	9.41	163	203981	8.00	ng	# 90
57) Fluorene	10.22	166	58421	2.63	ng	# 94
70) Phenanthrene	11.18	178	629807	21.85	ng	97
71) Anthracene	11.24	178	137281	4.73	ng	98
74) Fluoranthene	12.37	202	619984	21.25	ng	95
77) Pyrene	12.60	202	935611	36.46	ng	99
79) Butylbenzylphthalate	13.23	149	47079	4.04	ng	95
80) Benzo(a)anthracene	13.78	228	285582	13.73	ng	98
82) Chrysene	13.81	228	211694m	10.49	ng	
83) Bis(2-ethylhexyl)phthalate	13.79	149	45346	3.13	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.42	276	78166	4.92	ng	93
87) Benzo(b)fluoranthene	14.79	252	179612m	8.97	ng	
88) Benzo(k)fluoranthene	14.80	252	85176m	5.14	ng	
89) Benzo(a)pyrene	15.11	252	165531	9.70	ng	# 93
91) Benzo(g,h,i)perylene	16.81	276	80245	5.54	ng	94

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

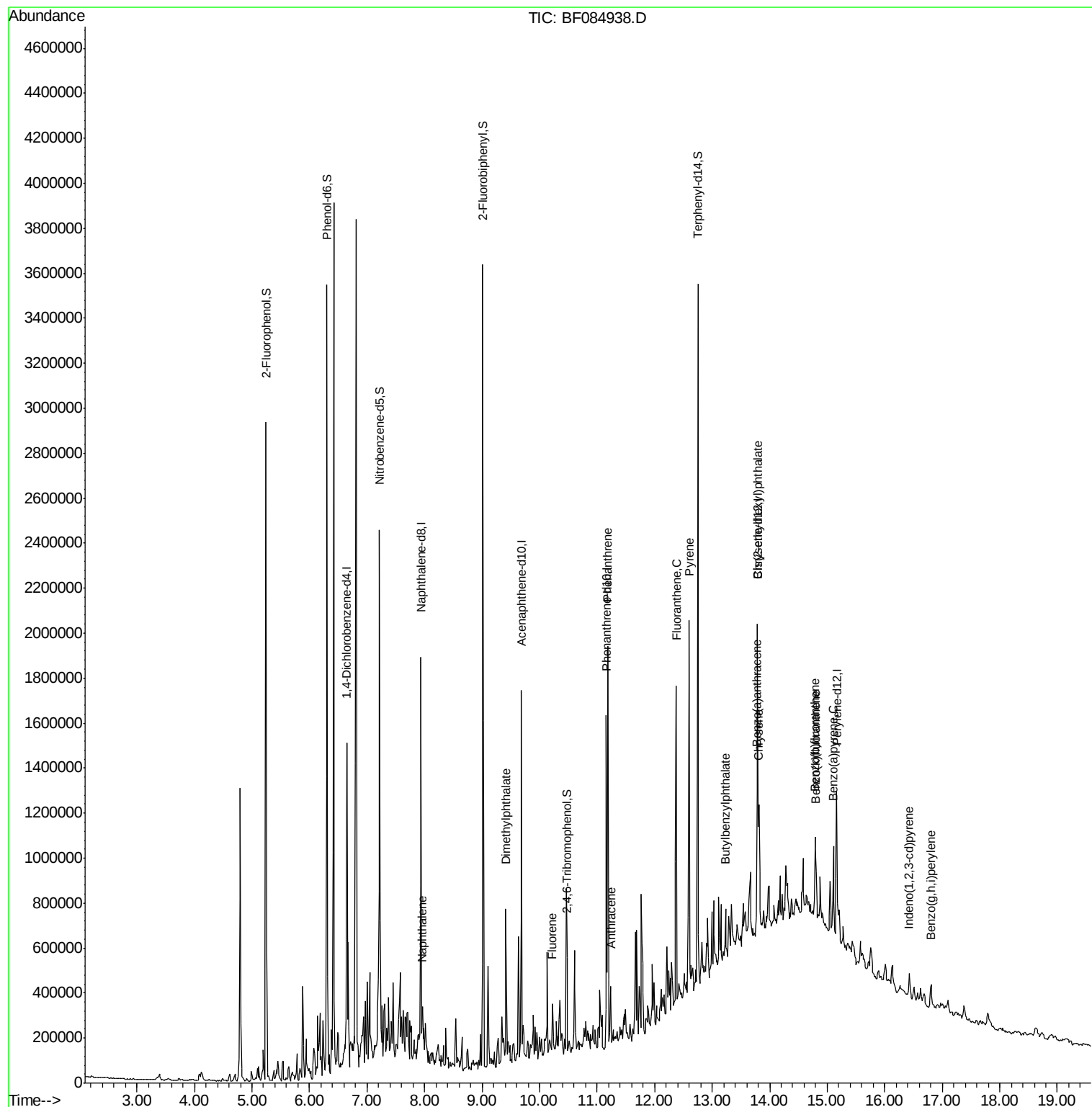
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
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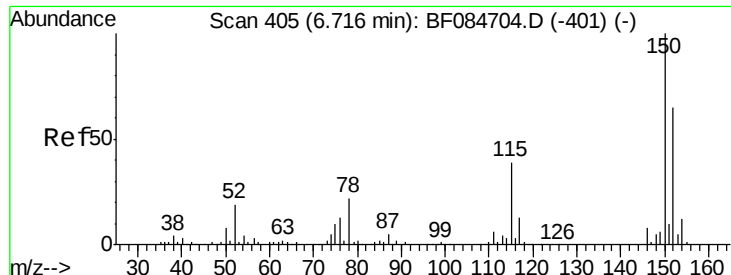
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S4-B004(0-2)

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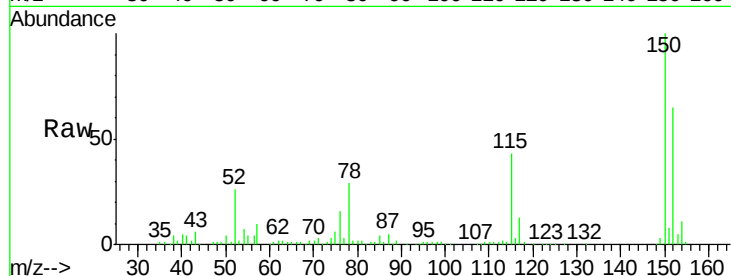




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.65 min Scan# 399
Delta R.T. -0.03 min
Lab File: BF084938.D
Acq: 8 Feb 2016 19:43

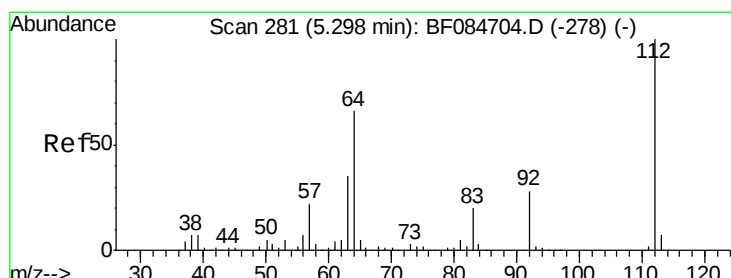
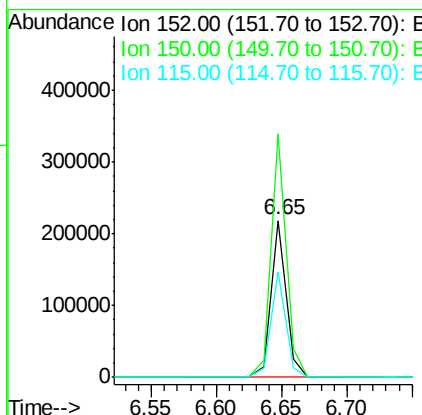
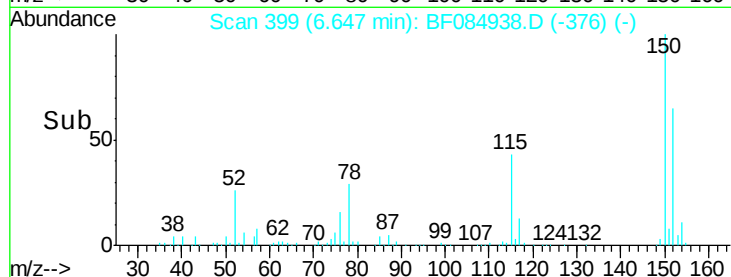
Instrument :
BNA_F
ClientSampleId :
S4-B004(0-2)



Tgt Ion	Ratio	Resp	Lower	Upper
152	100	178085		
150	155.0	123.0	184.4	
115	67.3	51.4	77.2	

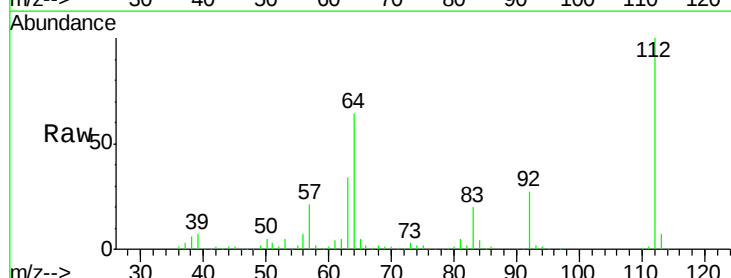
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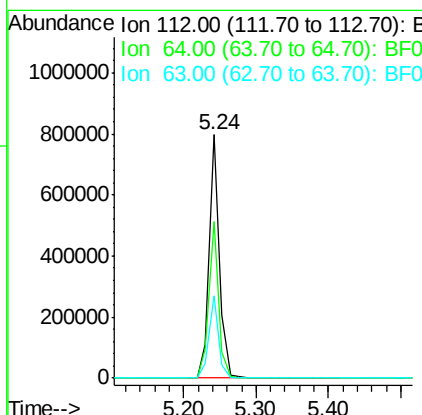
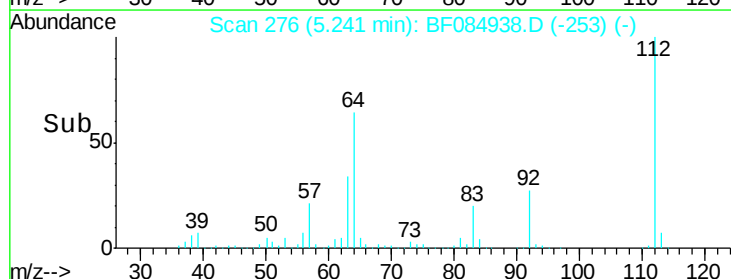


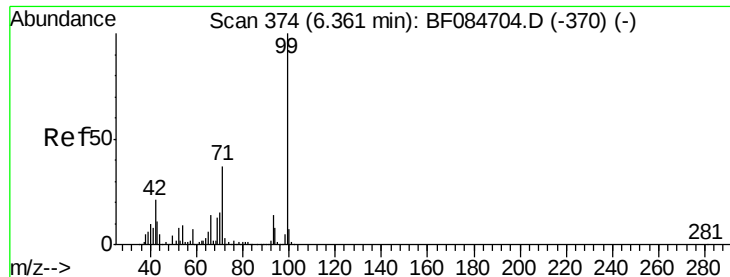
#5

2-Fluorophenol
Concen: 68.15 ng
RT: 5.24 min Scan# 276
Delta R.T. -0.03 min
Lab File: BF084938.D
Acq: 8 Feb 2016 19:43



Tgt Ion	Ratio	Resp	Lower	Upper
112	100	779224		
64	64.1	36.6	55.0#	
63	33.8	19.4	29.0#	





#7

Phenol-d6

Concen: 85.58 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.03 min

Lab File: BF084938.D

Acq: 8 Feb 2016 19:43

Instrument :

BNA_F

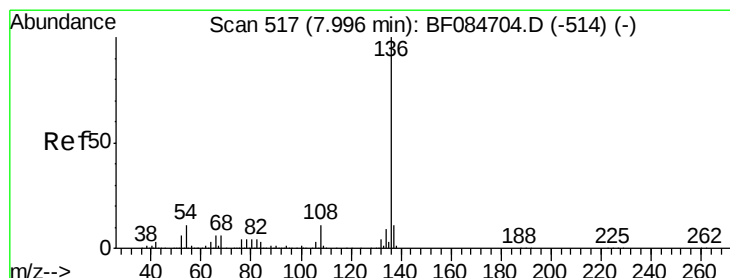
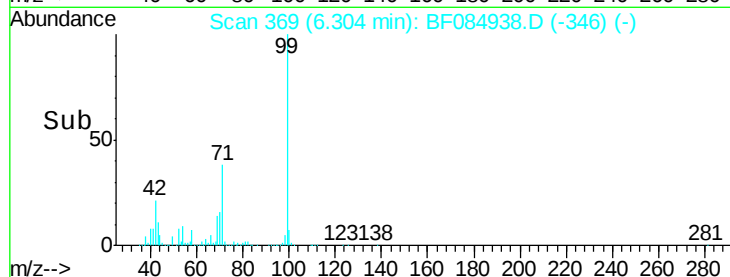
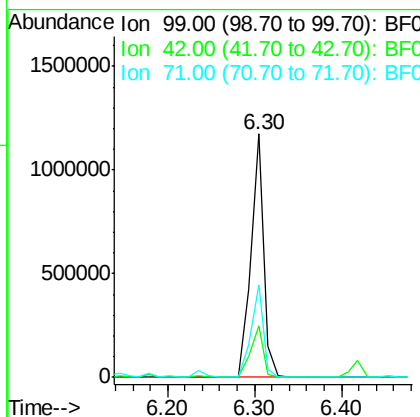
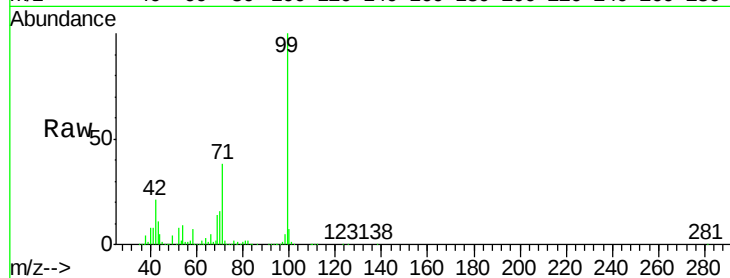
ClientSampleId :

S4-B004(0-2)

Tgt Ion:	99	Resp:	1212961
Ion	Ratio	Lower	Upper
99	100		
42	21.1	12.8	19.2#
71	38.2	30.9	46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

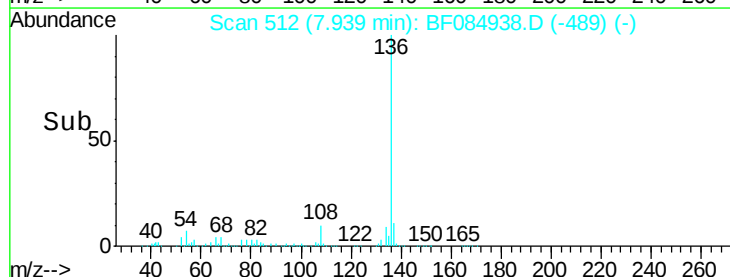
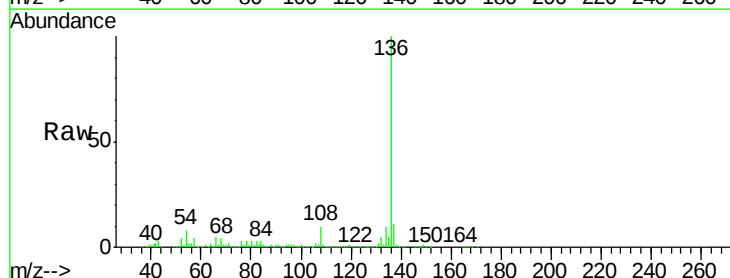
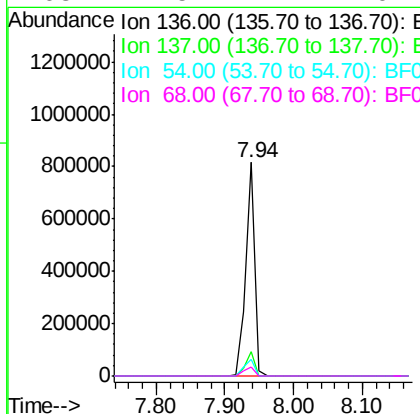
RT: 7.94 min Scan# 512

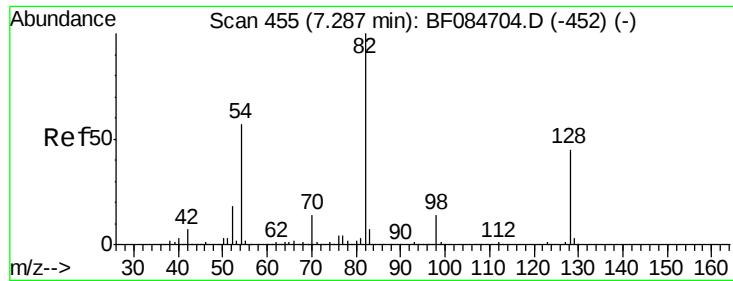
Delta R.T. -0.03 min

Lab File: BF084938.D

Acq: 8 Feb 2016 19:43

Tgt Ion:	136	Resp:	750258
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	7.6	5.8	8.8
68	4.5	4.2	6.2





#23

Nitrobenzene-d5

Concen: 60.56 ng

RT: 7.22 min Scan# 449

Delta R.T. -0.05 min

Lab File: BF084938.D

Acq: 8 Feb 2016 19:43

Instrument :

BNA_F

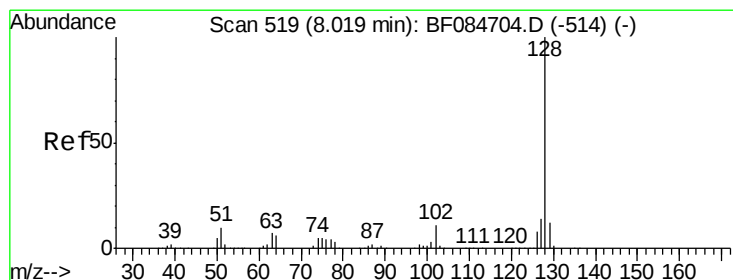
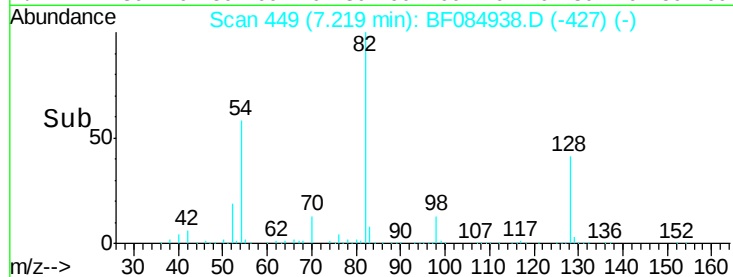
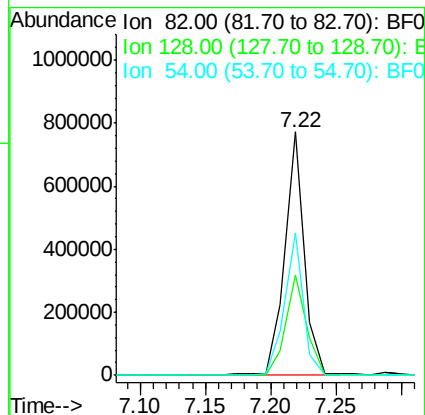
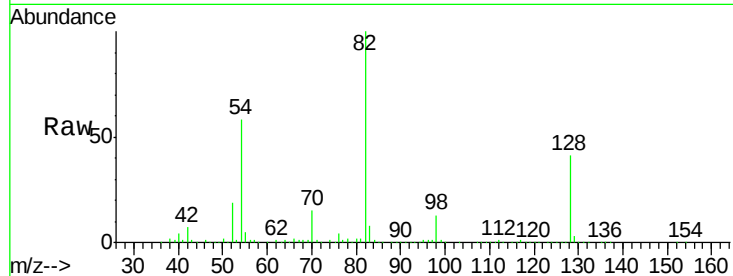
ClientSampleId :

S4-B004(0-2)

Tgt Ion:	82	Resp:	806577
Ion Ratio	Lower	Upper	
82	100		
128	41.1	34.6	51.8
54	58.4	38.4	57.6#

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#31

Naphthalene

Concen: 2.07 ng

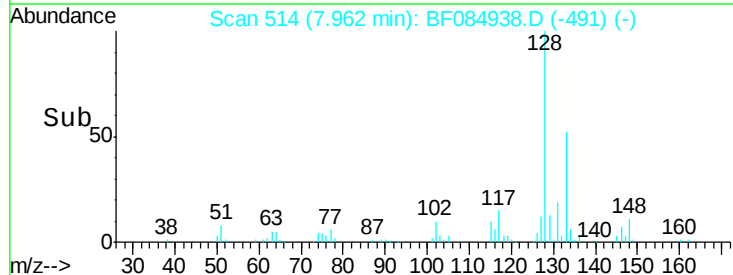
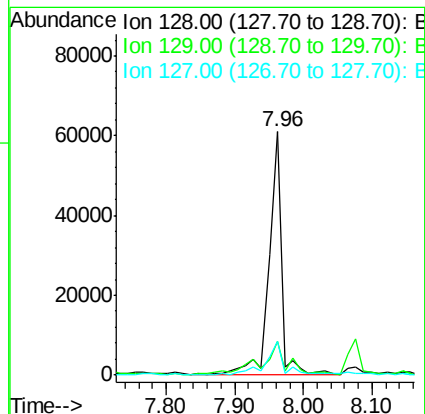
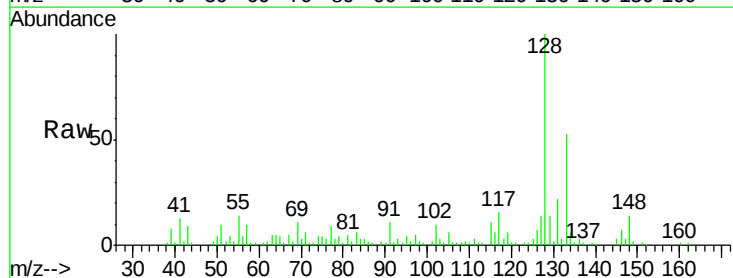
RT: 7.96 min Scan# 514

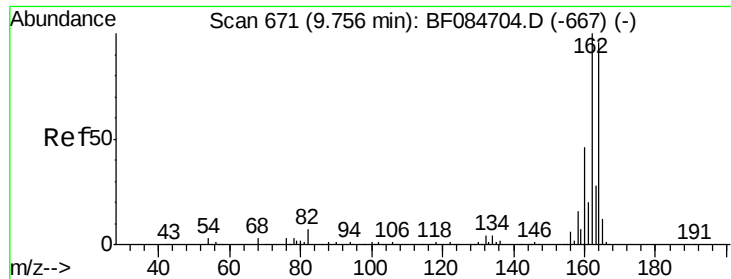
Delta R.T. -0.03 min

Lab File: BF084938.D

Acq: 8 Feb 2016 19:43

Tgt Ion:	128	Resp:	77876
Ion Ratio	Lower	Upper	
128	100		
129	13.8	9.1	13.7#
127	13.6	11.1	16.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.69 min Scan# 665

Delta R.T. -0.05 min

Lab File: BF084938.D

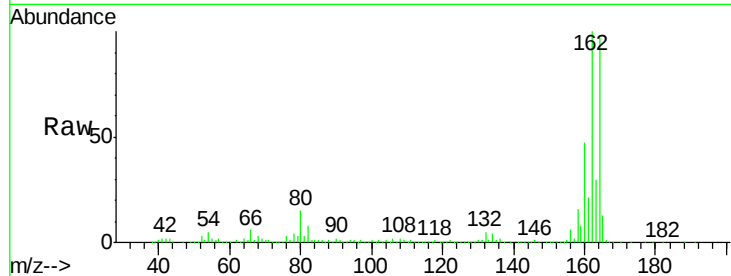
Acq: 8 Feb 2016 19:43

Instrument :

BNA_F

ClientSampleId :

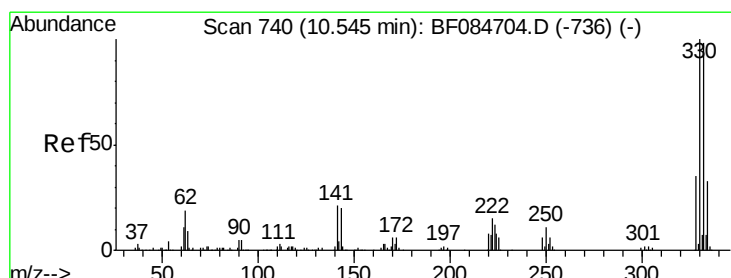
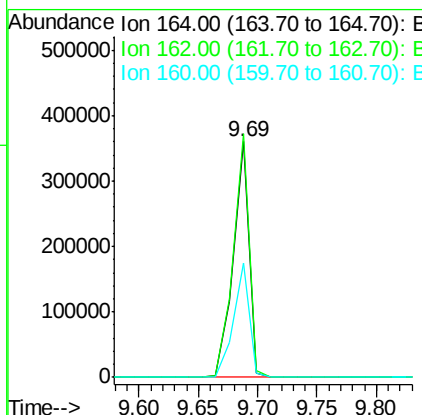
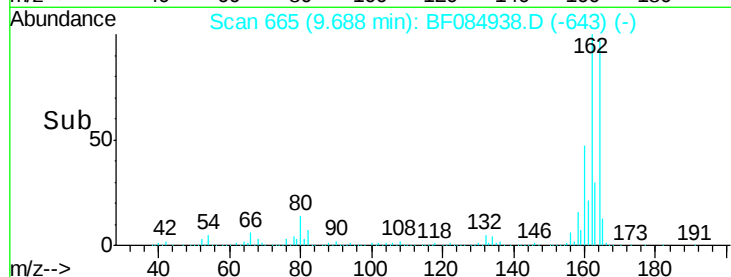
S4-B004(0-2)



Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.4	85.1	127.7	
160	48.3	37.5	56.3	

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#41

2,4,6-Tribromophenol

Concen: 25.74 ng

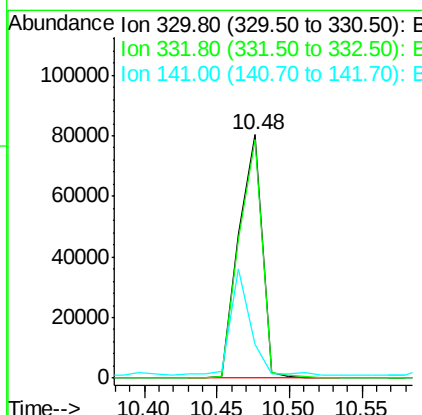
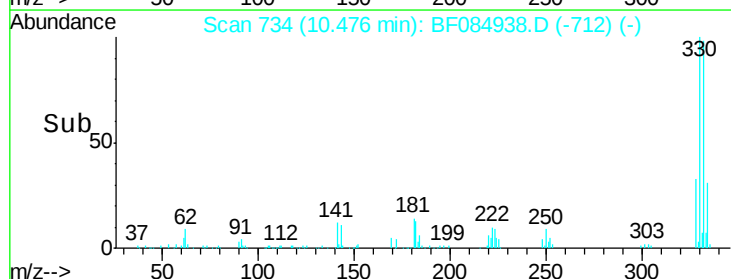
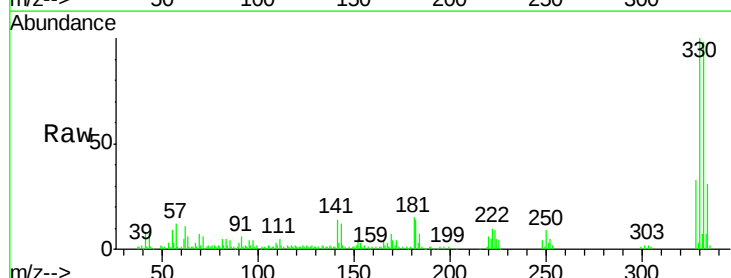
RT: 10.48 min Scan# 734

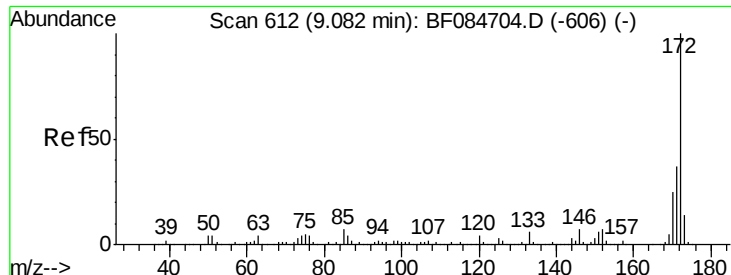
Delta R.T. -0.05 min

Lab File: BF084938.D

Acq: 8 Feb 2016 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.6	76.6	114.8	
141	38.4	27.8	41.6	





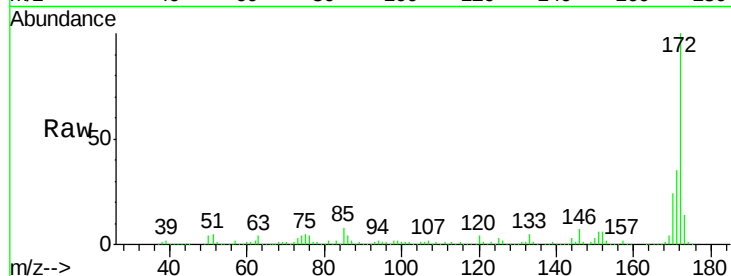
#44
2-Fluorobiphenyl
Concen: 59.79 ng
RT: 9.01 min Scan# 606
Delta R.T. -0.05 min
Lab File: BF084938.D
Acq: 8 Feb 2016 19:43

Instrument :
BNA_F
ClientSampleId :
S4-B004(0-2)

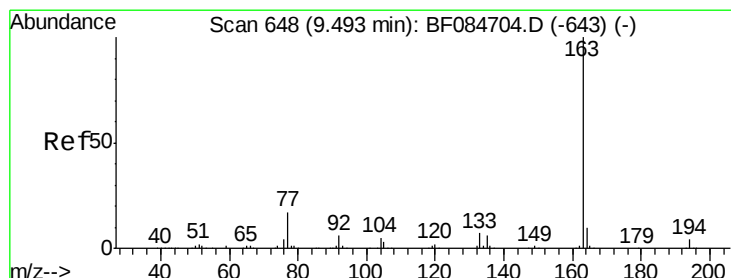
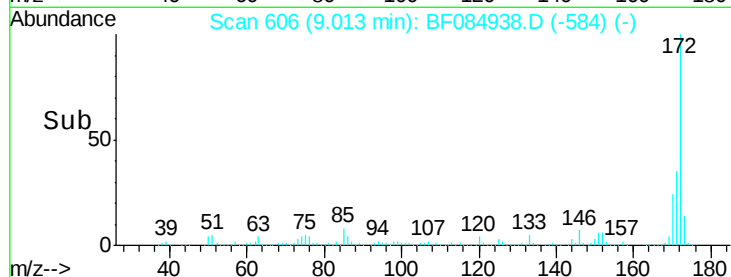
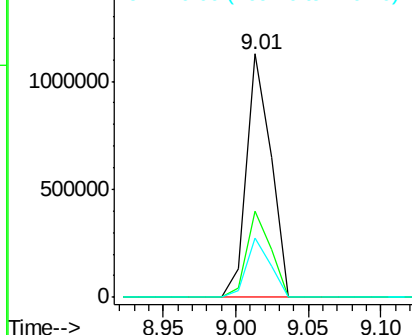
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.9	43.3
170	24.3	18.6	27.8

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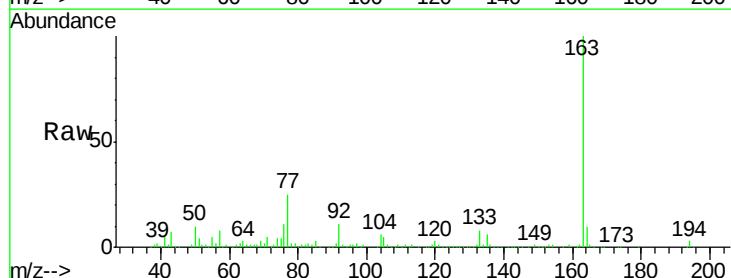


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

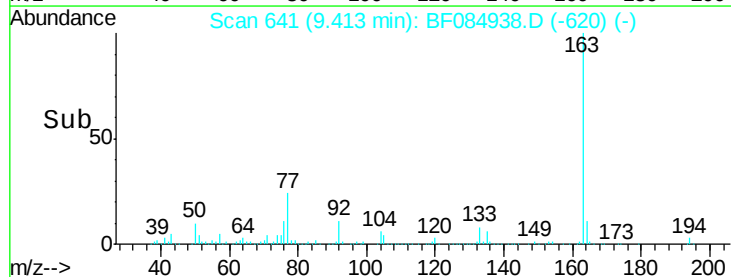
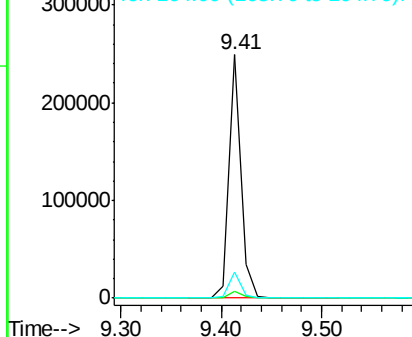


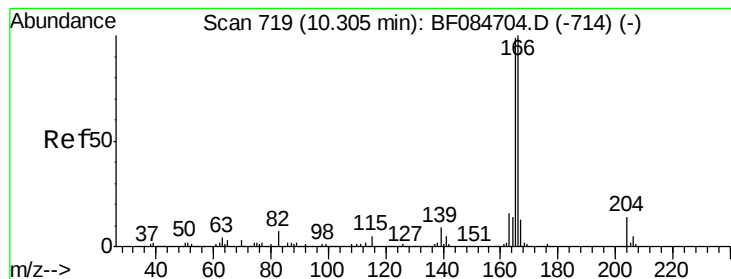
#49
Dimethylphthalate
Concen: 8.00 ng
RT: 9.41 min Scan# 641
Delta R.T. -0.06 min
Lab File: BF084938.D
Acq: 8 Feb 2016 19:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.0	8.0	12.0#
164	10.5	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





#57

Fluorene

Concen: 2.63 ng

RT: 10.22 min Scan# 712

Delta R.T. -0.05 min

Lab File: BF084938.D

Acq: 8 Feb 2016 19:43

Instrument :

BNA_F

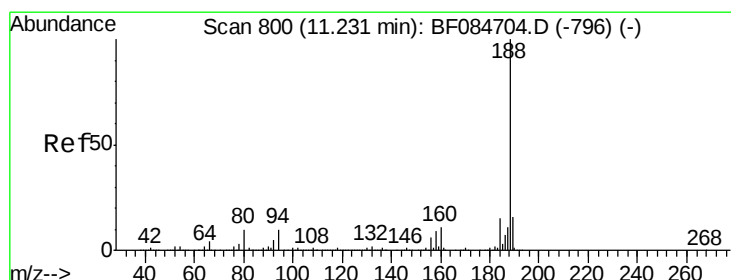
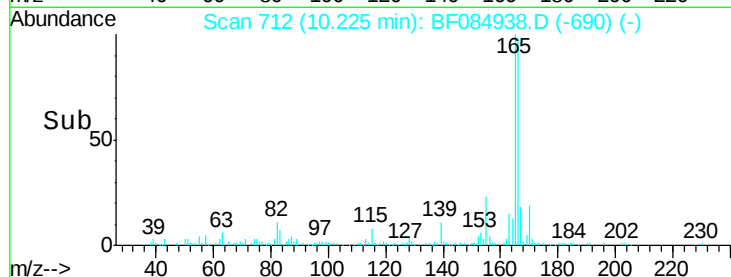
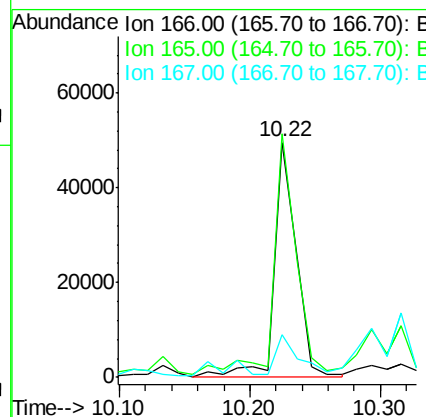
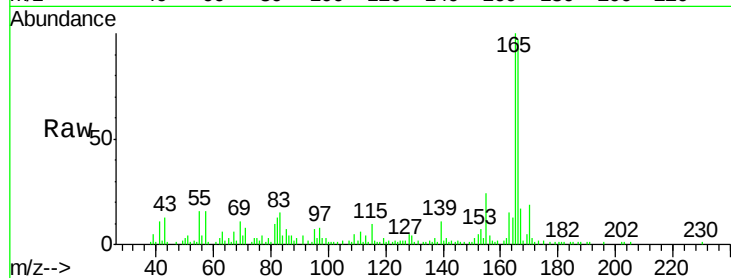
ClientSampleId :

S4-B004(0-2)

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.6	79.1	118.7
167	18.1	10.4	15.6

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

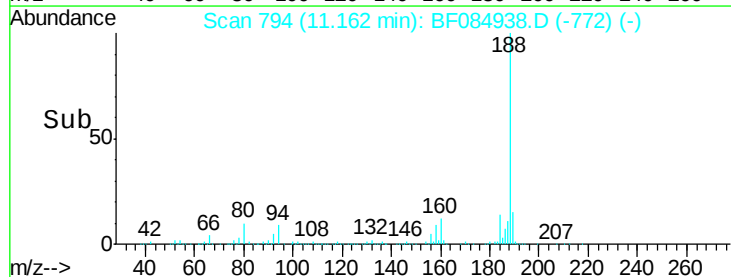
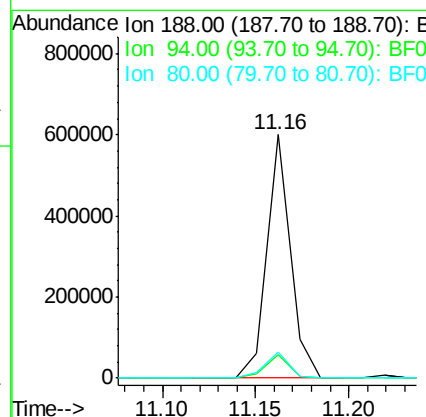
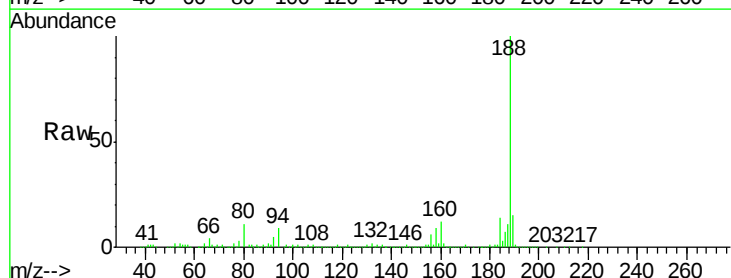
RT: 11.16 min Scan# 794

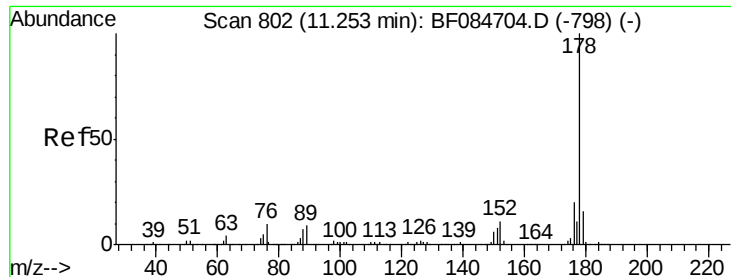
Delta R.T. -0.05 min

Lab File: BF084938.D

Acq: 8 Feb 2016 19:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	9.0	13.4
80	10.5	9.6	14.4





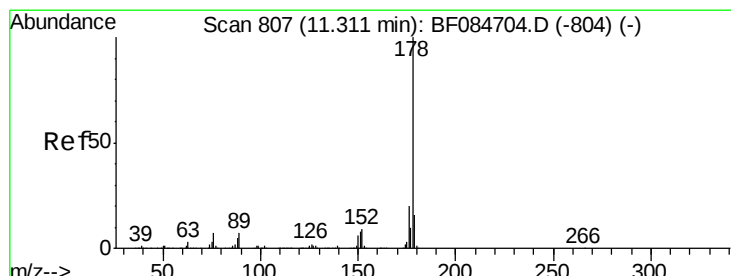
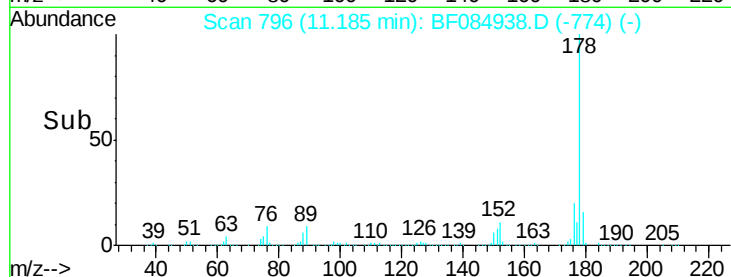
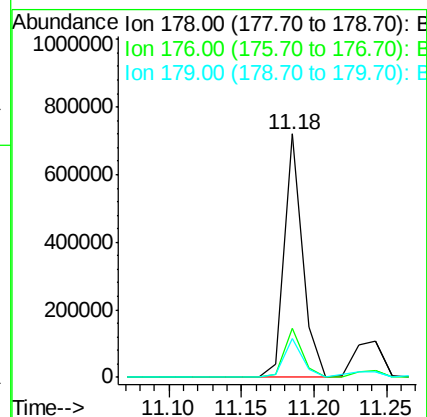
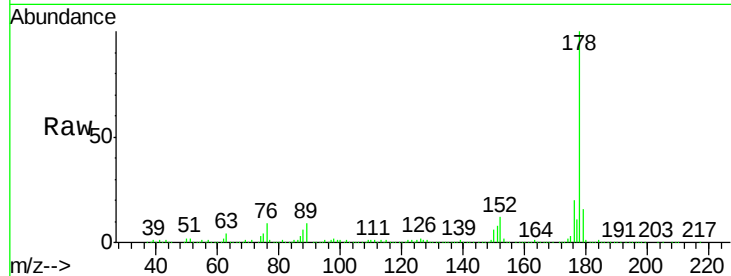
#70
Phenanthrene
Concen: 21.85 ng
RT: 11.18 min Scan# 796
Delta R.T. -0.05 min
Lab File: BF084938.D
Acq: 8 Feb 2016 19:43

Instrument :
BNA_F
ClientSampleId :
S4-B004(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	629807		
176	20.2	15.3	22.9	
179	16.2	12.0	18.0	

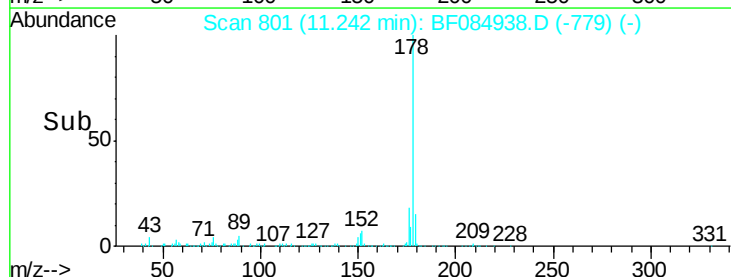
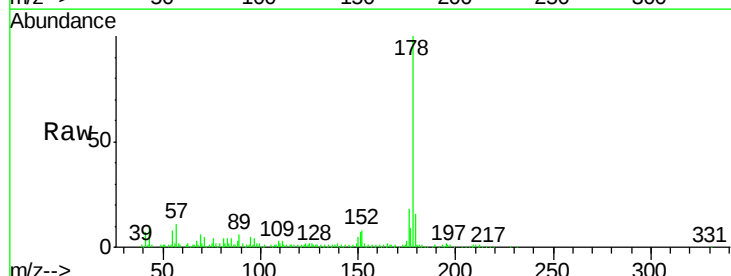
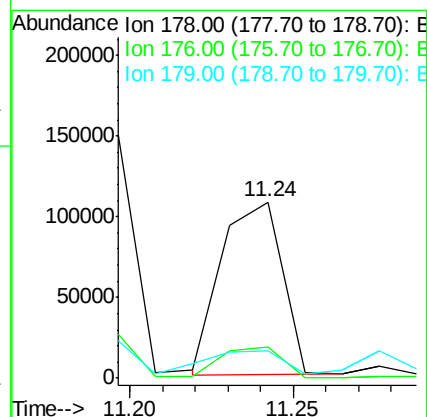
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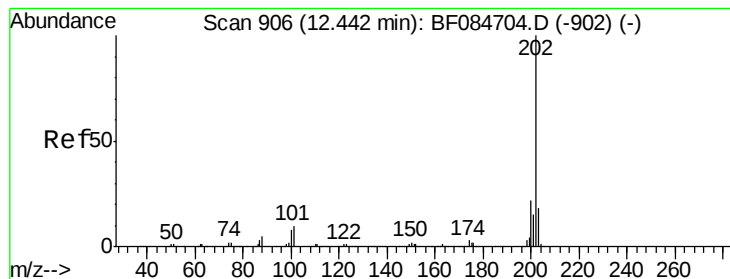
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#71
Anthracene
Concen: 4.73 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.05 min
Lab File: BF084938.D
Acq: 8 Feb 2016 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	137281		
176	17.9	15.4	23.0	
179	15.6	12.5	18.7	





#74

Fluoranthene

Concen: 21.25 ng

RT: 12.37 min Scan# 900

Delta R.T. -0.05 min

Lab File: BF084938.D

Acq: 8 Feb 2016 19:43

Instrument :

BNA_F

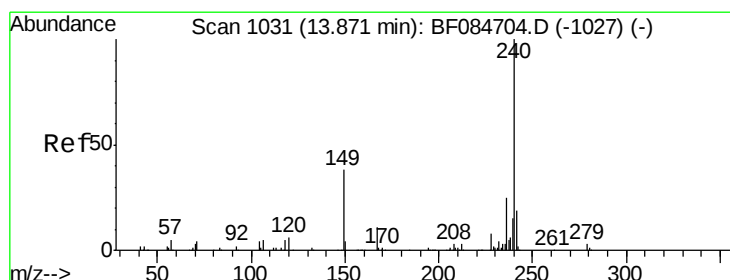
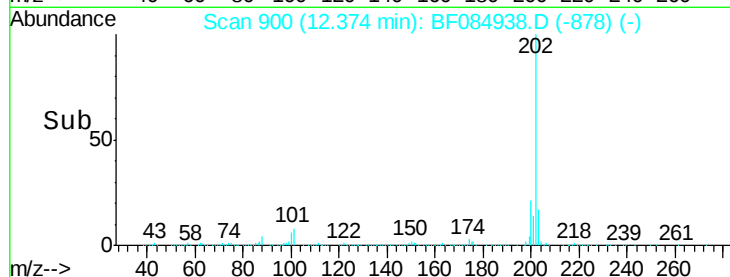
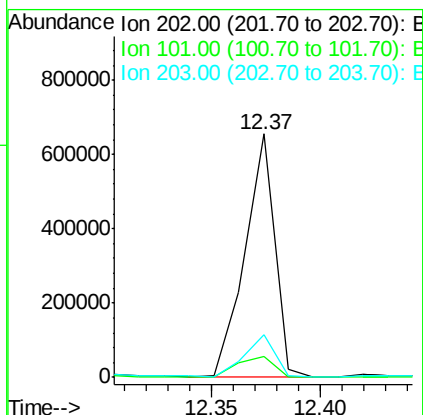
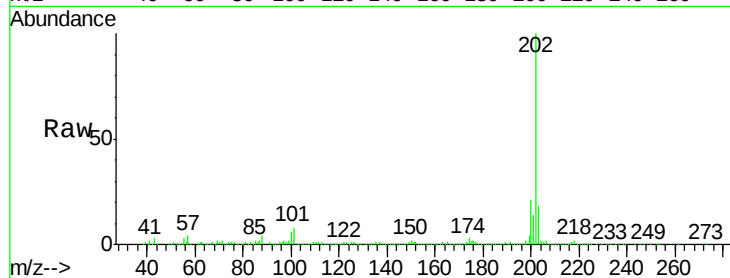
ClientSampleId :

S4-B004(0-2)

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		619984		
101	8.3	0.0	32.8		
203	17.5	0.0	37.9		

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#75

Chrysene-d12

Concen: 20.00 ng

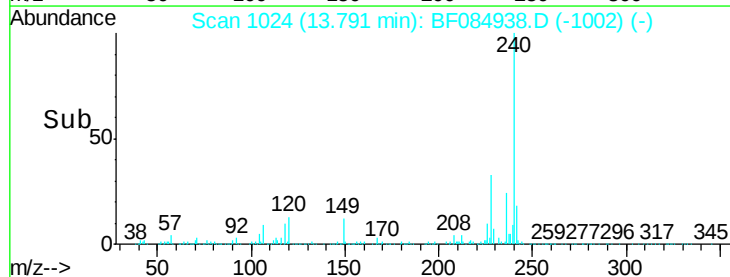
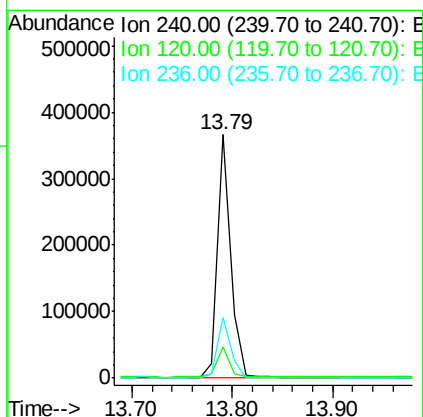
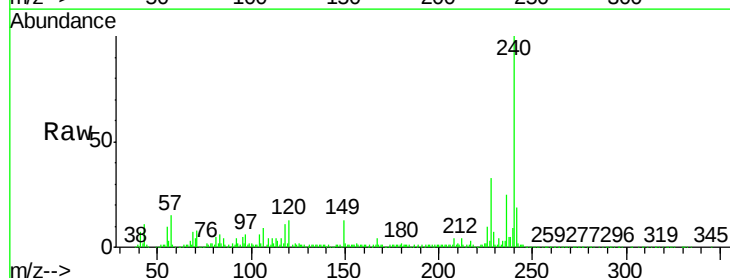
RT: 13.79 min Scan# 1024

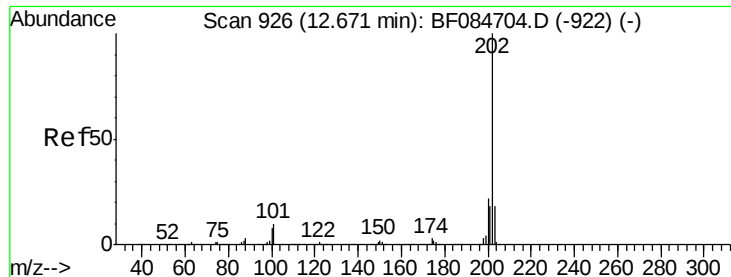
Delta R.T. -0.05 min

Lab File: BF084938.D

Acq: 8 Feb 2016 19:43

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		335192		
120	13.0	9.5	14.3		
236	24.9	20.6	31.0		





#77

Pyrene

Concen: 36.46 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.03 min

Lab File: BF084938.D

Acq: 8 Feb 2016 19:43

Instrument :

BNA_F

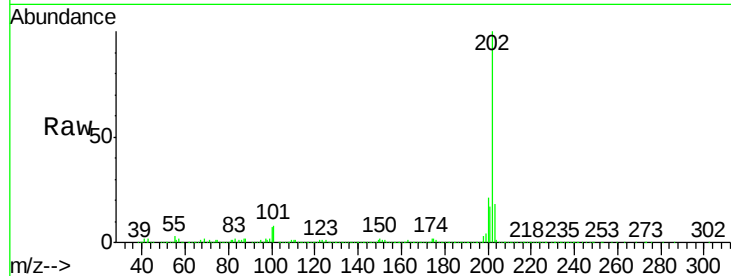
ClientSampleId :

S4-B004(0-2)

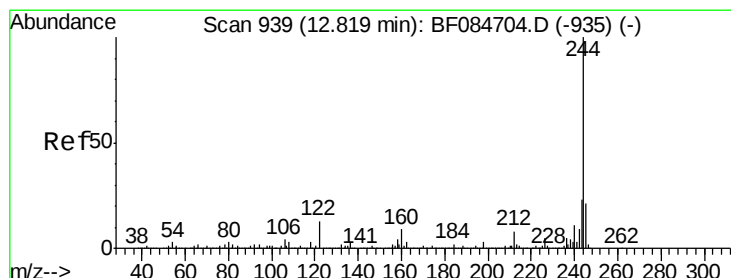
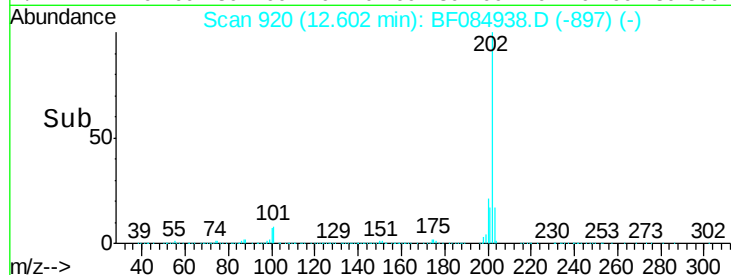
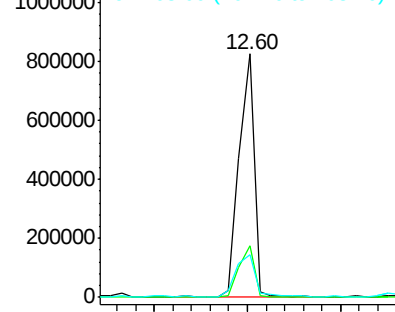
Tgt Ion:	202	Resp:	935611
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.2	25.8
203	17.6	14.3	21.5

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 64.67 ng

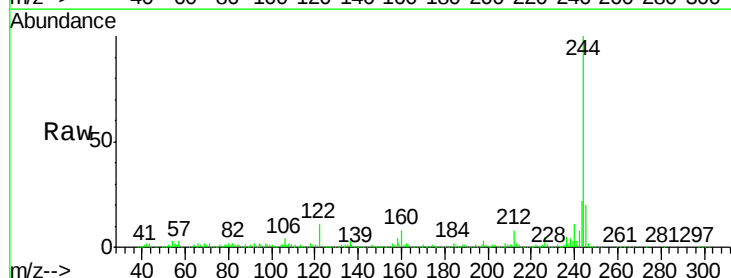
RT: 12.75 min Scan# 933

Delta R.T. -0.05 min

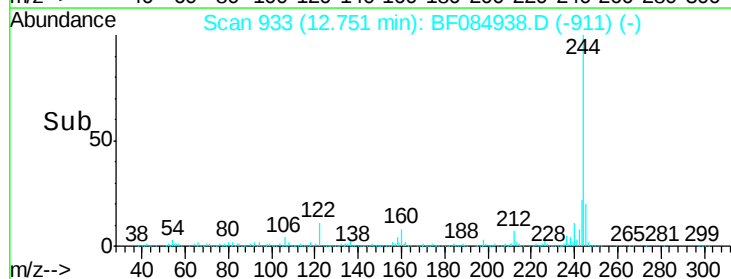
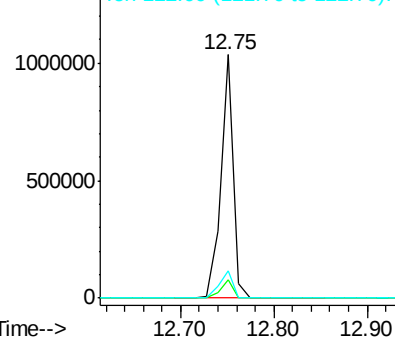
Lab File: BF084938.D

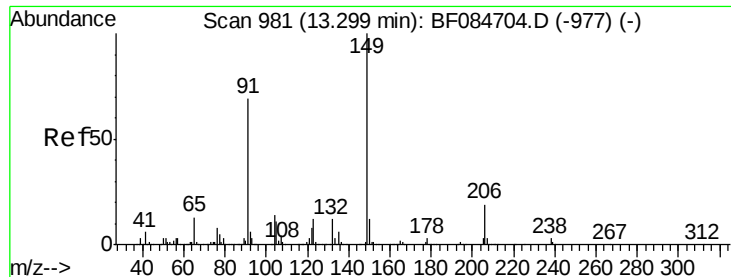
Acq: 8 Feb 2016 19:43

Tgt Ion:	244	Resp:	956537
Ion Ratio	Lower	Upper	
244	100		
212	7.5	5.7	8.5
122	11.2	7.4	11.0#



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





#79

Butylbenzylphthalate

Concen: 4.04 ng

RT: 13.23 min Scan# 975

Delta R.T. -0.05 min

Lab File: BF084938.D

Acq: 8 Feb 2016 19:43

Instrument :

BNA_F

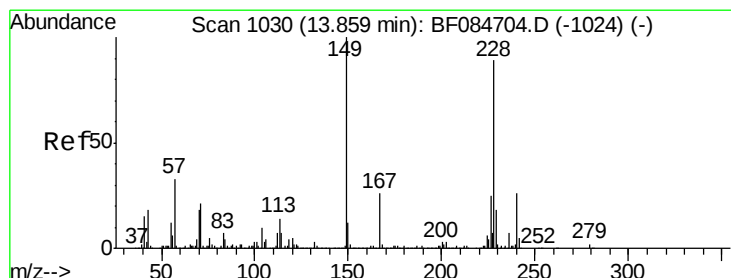
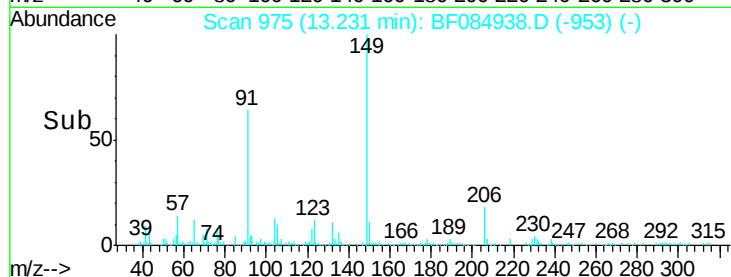
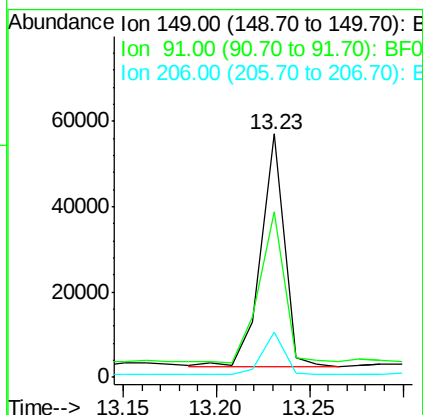
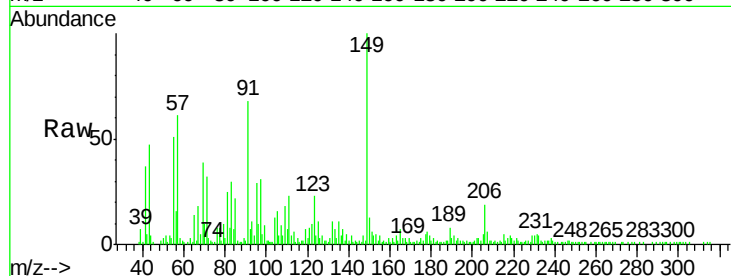
ClientSampleId :

S4-B004(0-2)

Tgt Ion:	149	Resp:	47079
Ion Ratio	Lower	Upper	
149	100		
91	67.8	57.6	86.4
206	18.8	13.2	19.8

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#80

Benzo(a)anthracene

Concen: 13.73 ng

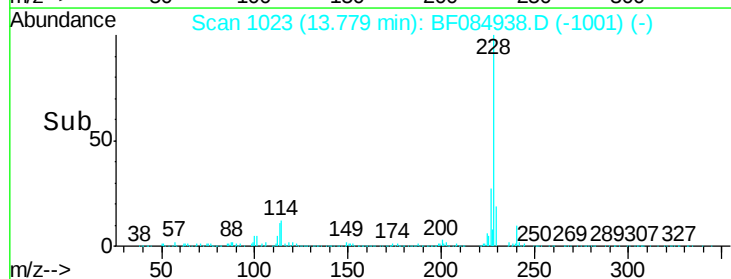
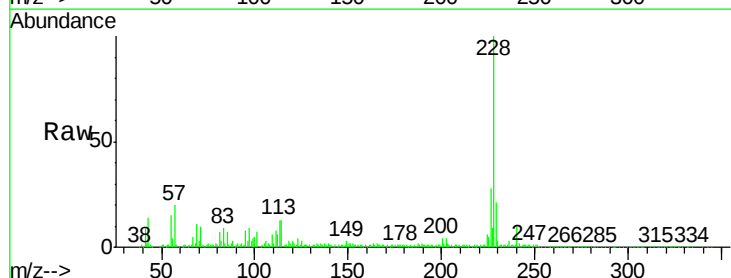
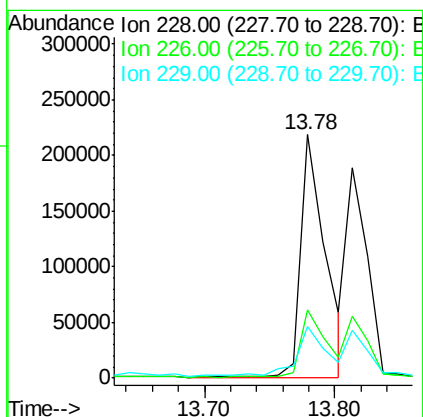
RT: 13.78 min Scan# 1023

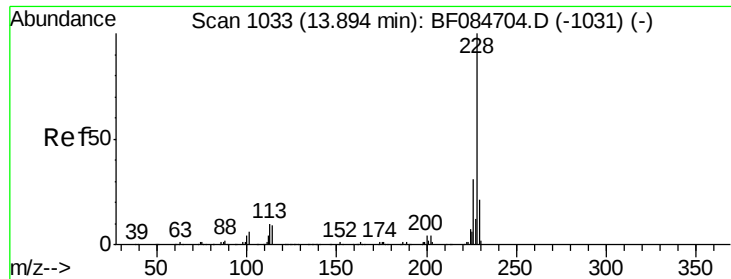
Delta R.T. -0.05 min

Lab File: BF084938.D

Acq: 8 Feb 2016 19:43

Tgt Ion:	228	Resp:	285582
Ion Ratio	Lower	Upper	
228	100		
226	28.1	21.8	32.6
229	21.2	15.8	23.8





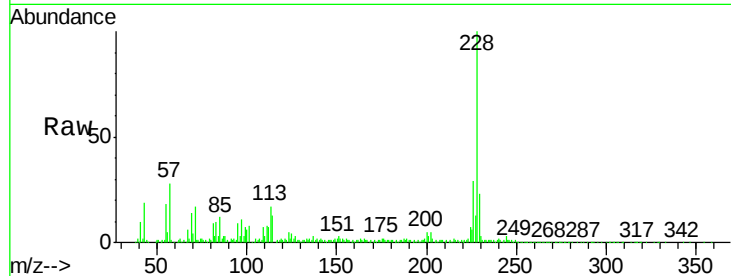
#82
 Chrysene
 Concen: 10.49 ng m
 RT: 13.81 min Scan# 1026
 Delta R.T. -0.05 min
 Lab File: BF084938.D
 Acq: 8 Feb 2016 19:43

Instrument :
 BNA_F
 ClientSampleId :
 S4-B004(0-2)

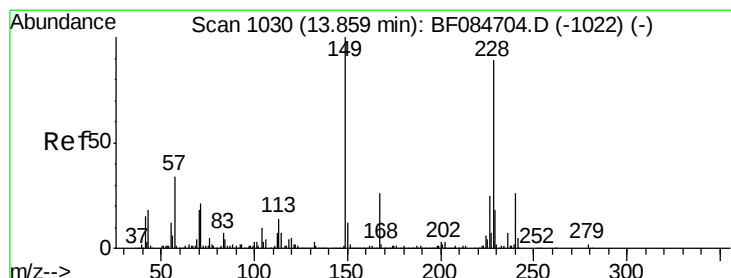
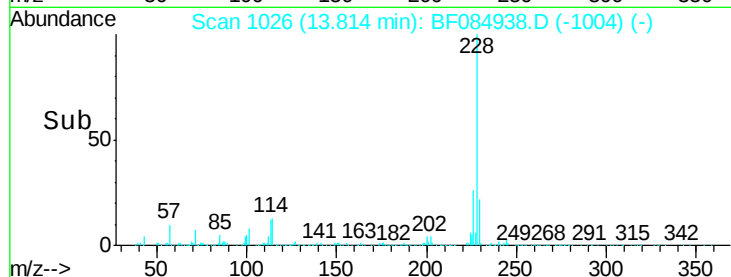
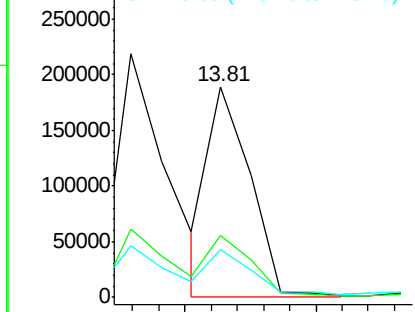
Tgt Ion:	228	Resp:	211694
Ion Ratio	Lower	Upper	
228	100		
226	29.3	24.3	36.5
229	22.9	16.1	24.1

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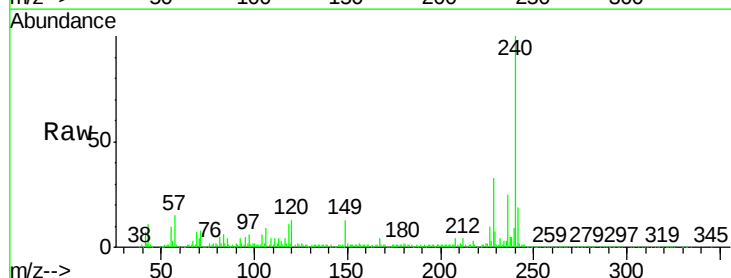


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

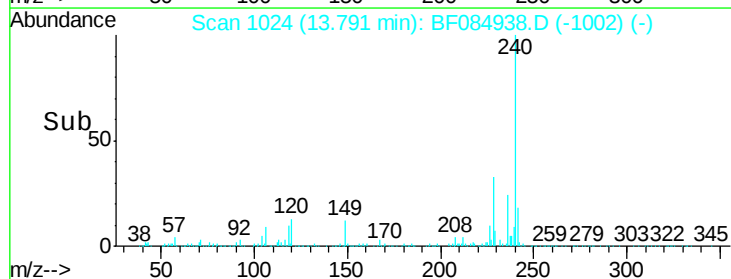
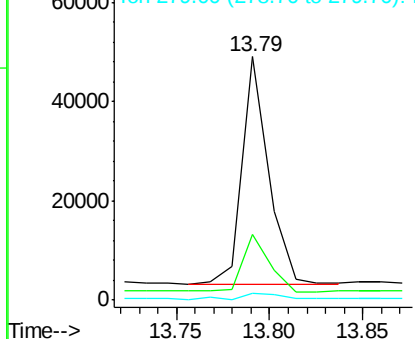


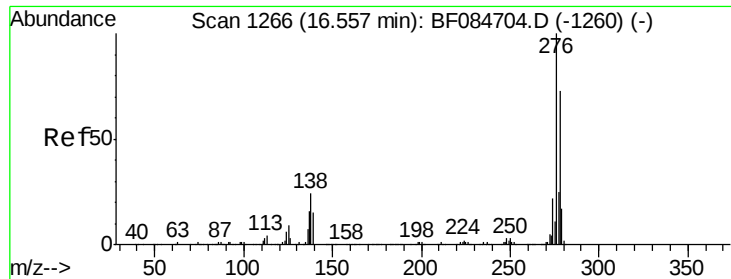
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.13 ng
 RT: 13.79 min Scan# 1024
 Delta R.T. -0.05 min
 Lab File: BF084938.D
 Acq: 8 Feb 2016 19:43

Tgt Ion:	149	Resp:	45346
Ion Ratio	Lower	Upper	
149	100		
167	27.0	19.7	29.5
279	3.0	1.8	2.6#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E





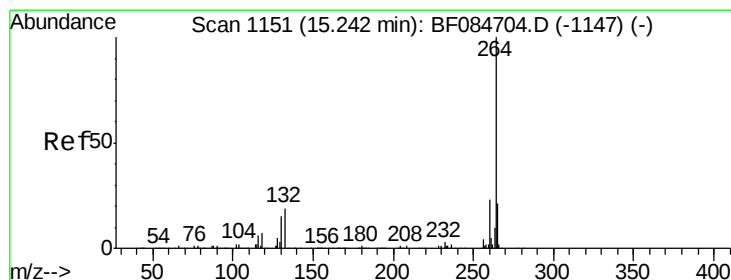
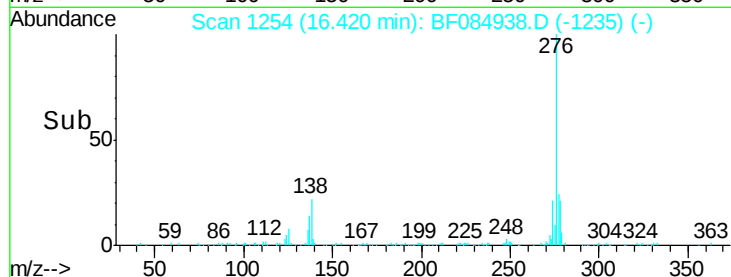
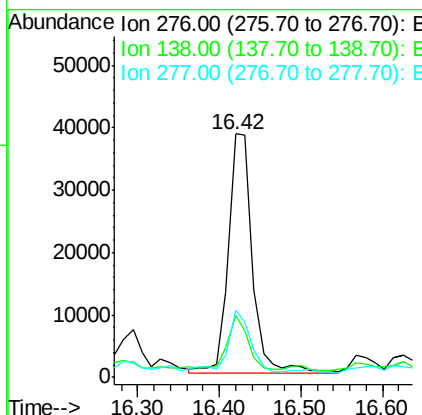
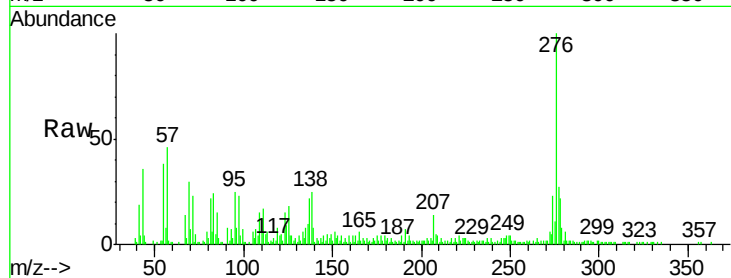
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.92 ng
 RT: 16.42 min Scan# 1254
 Delta R.T. -0.08 min
 Lab File: BF084938.D
 Acq: 8 Feb 2016 19:43

Instrument :
 BNA_F
 ClientSampleId :
 S4-B004(0-2)

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.6	20.6	30.8
277	23.5	20.1	30.1

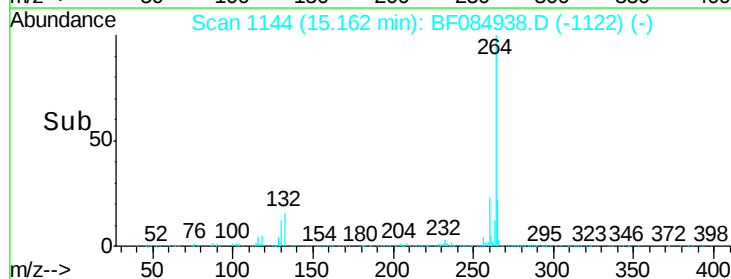
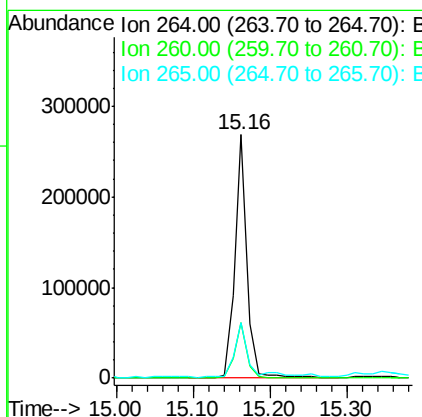
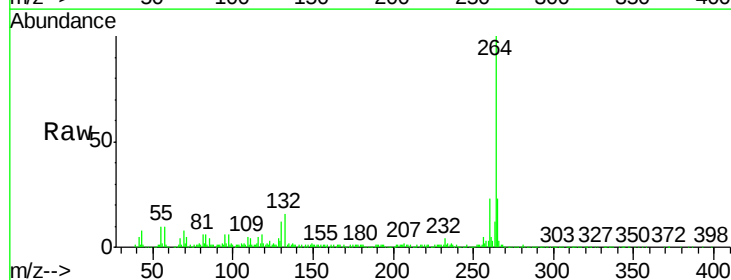
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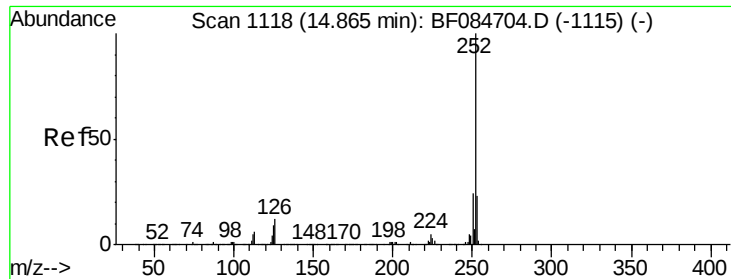
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.16 min Scan# 1144
 Delta R.T. -0.05 min
 Lab File: BF084938.D
 Acq: 8 Feb 2016 19:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.4	29.2
265	22.6	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 8.97 ng m

RT: 14.79 min Scan# 1111

Delta R.T. -0.05 min

Lab File: BF084938.D

Acq: 8 Feb 2016 19:43

Instrument :

BNA_F

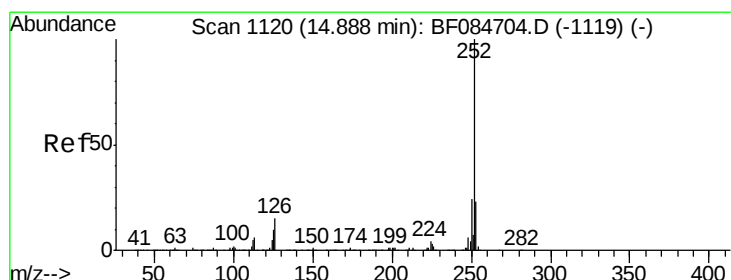
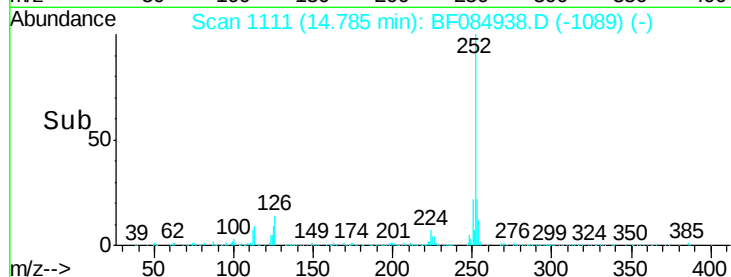
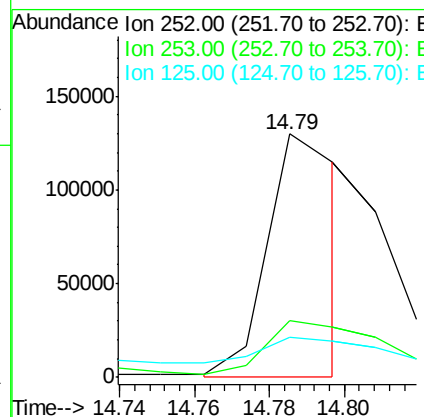
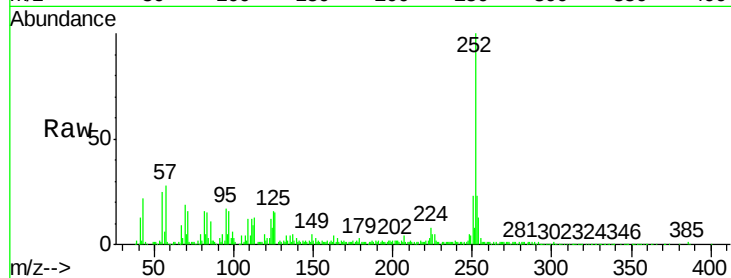
ClientSampleId :

S4-B004(0-2)

Tgt Ion:	252	Resp:	179612
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.3	25.9
125	16.5	6.5	9.7#

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#88

Benzo(k)fluoranthene

Concen: 5.14 ng m

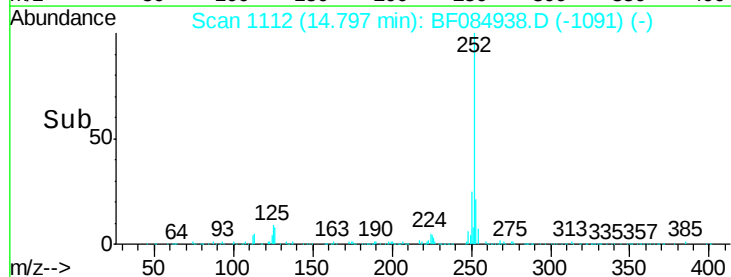
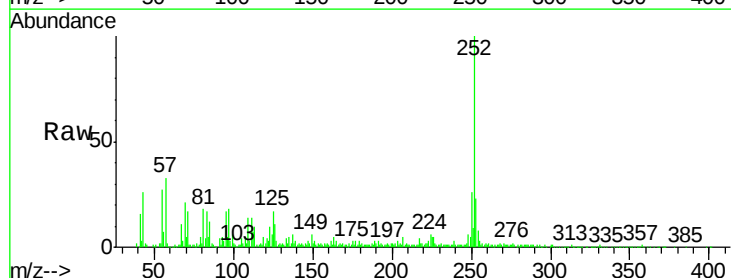
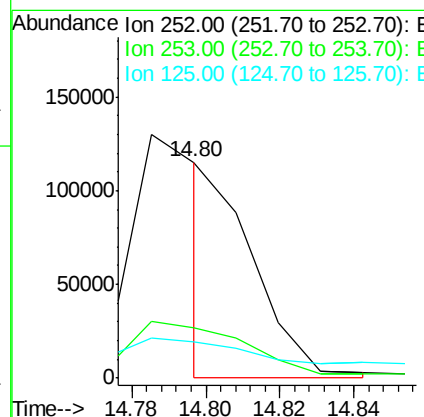
RT: 14.80 min Scan# 1112

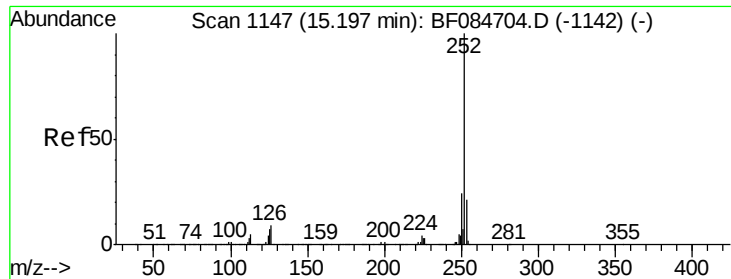
Delta R.T. -0.06 min

Lab File: BF084938.D

Acq: 8 Feb 2016 19:43

Tgt Ion:	252	Resp:	85176
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.1	27.1
125	16.8	9.0	13.6#





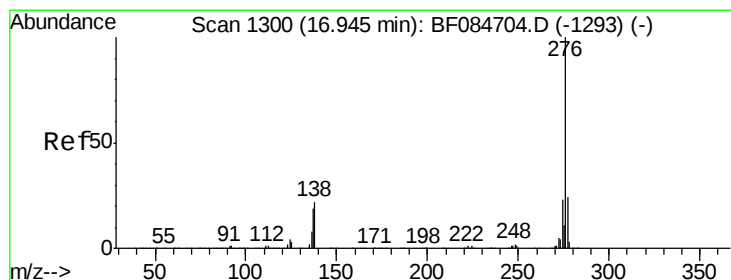
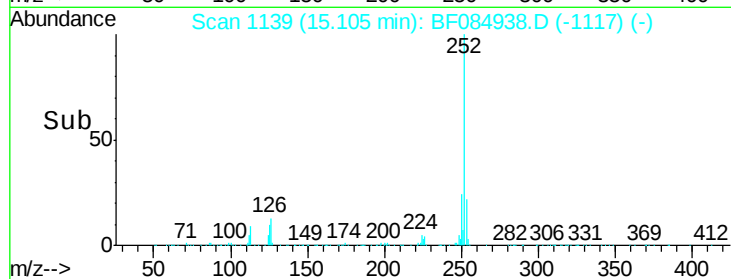
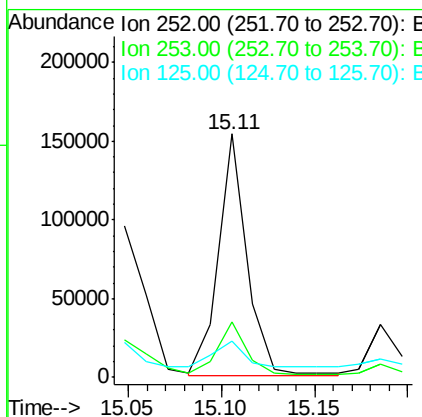
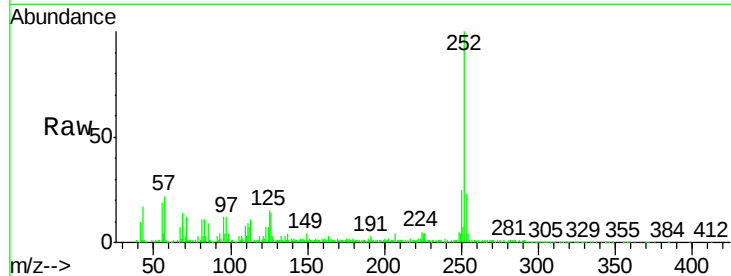
#89
Benzo(a)pyrene
Concen: 9.70 ng
RT: 15.11 min Scan# 1139
Delta R.T. -0.05 min
Lab File: BF084938.D
Acq: 8 Feb 2016 19:43

Instrument :
BNA_F
ClientSampleId :
S4-B004(0-2)

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.9	17.3	25.9
125	14.6	7.0	10.4

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#91
Benzo(g,h,i)perylene
Concen: 5.54 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.08 min
Lab File: BF084938.D
Acq: 8 Feb 2016 19:43

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	25.4	18.8	28.2
138	18.5	17.8	26.6

