

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
 Data File : BF084034.D
 Acq On : 23 Dec 2015 12:39
 Operator : UM/SJ
 Sample : G4913-05
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5

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Quant Time: Dec 23 13:49:59 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 22 18:54:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	44915	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	184518	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	86319	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	155315	20.00	ng	0.00
75) Chrysene-d12	14.00	240	99284	20.00	ng	0.00
86) Perylene-d12	15.43	264	93845	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	379560	144.09	ng	0.01
7) Phenol-d6	6.48	99	495626	160.02	ng	0.00
23) Nitrobenzene-d5	7.39	82	289618	96.42	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	137262	165.32	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	621381	96.88	ng	0.00
78) Terphenyl-d14	12.93	244	404952	97.27	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.73	152	40454	4.65	ng	98
49) Dimethylphthalate	9.58	163	99360	14.71	ng	# 90
51) Acenaphthene	9.89	154	15022	2.90	ng	97
54) Dibenzofuran	10.08	168	18474	2.39	ng	# 98
57) Fluorene	10.42	166	37515	6.12	ng	97
70) Phenanthrene	11.38	178	532730	60.69	ng	99
71) Anthracene	11.42	178	163770	18.37	ng	98
72) Carbazole	11.58	167	35468	4.26	ng	99
74) Fluoranthene	12.57	202	778590	89.44	ng	99
77) Pyrene	12.80	202	604499	89.74	ng	99
80) Benzo(a)anthracene	13.99	228	317409m	55.44	ng	
82) Chrysene	14.02	228	263350m	49.55	ng	
85) Indeno(1,2,3-cd)pyrene	16.84	276	139399	31.71	ng	95
87) Benzo(b)fluoranthene	15.01	252	330833m	55.92	ng	
88) Benzo(k)fluoranthene	15.04	252	69253m	12.31	ng	
89) Benzo(a)pyrene	15.37	252	223425	40.77	ng	# 96
90) Dibenzo(a,h)anthracene	16.83	278	36230	7.98	ng	# 76
91) Benzo(g,h,i)perylene	17.27	276	118090	25.71	ng	97

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

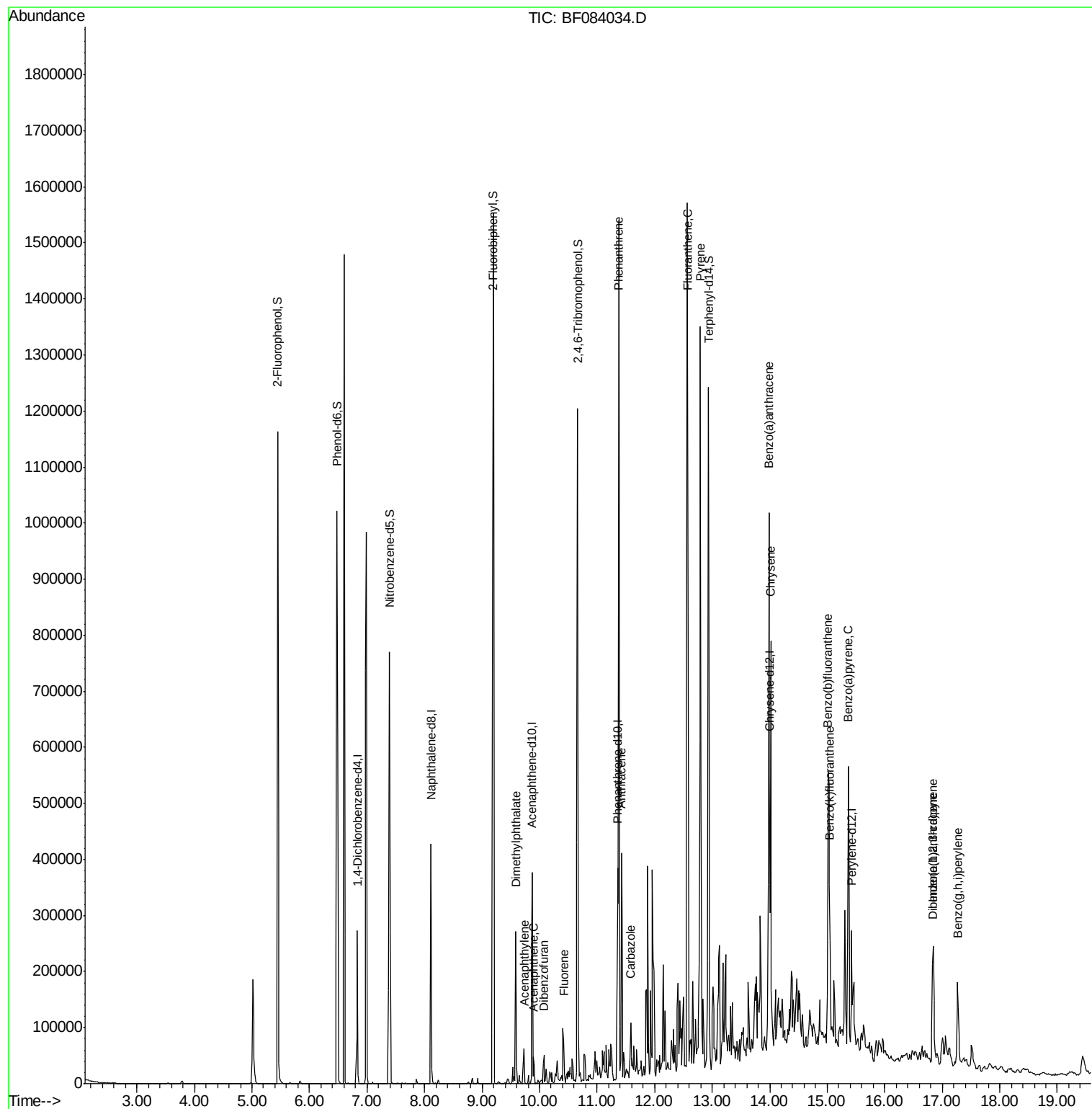
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
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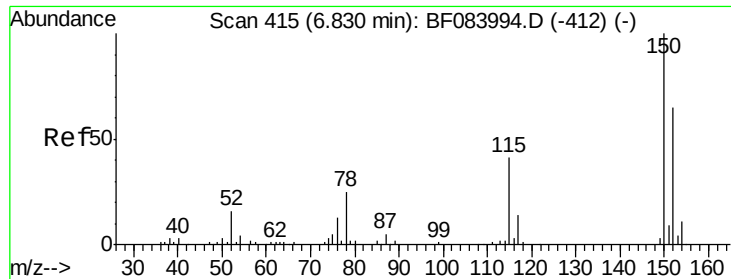
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF084034.D

Acq: 23 Dec 2015 12:39

Instrument :

BNA_F

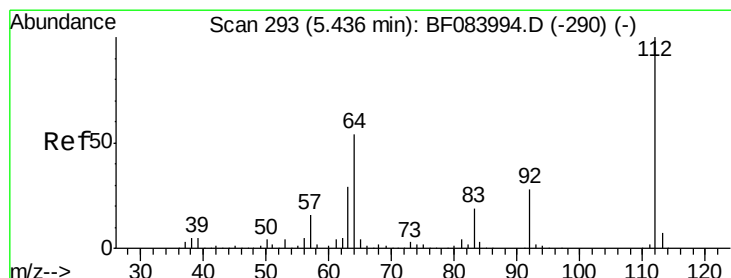
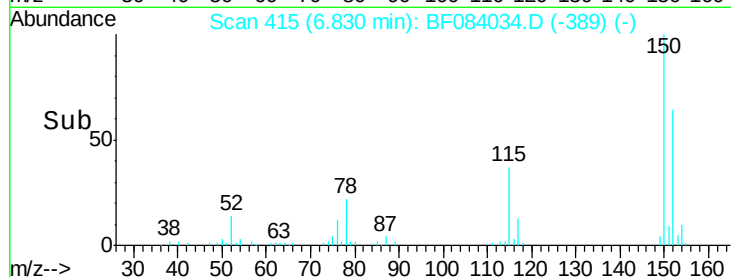
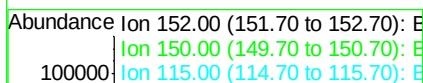
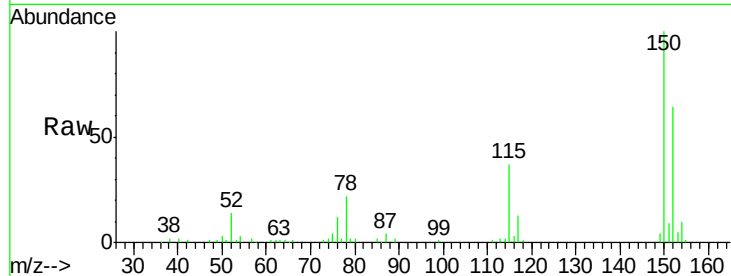
ClientSampleId :

SB-5

Tot Ion:	152	Resp:	44915
Ion Ratio	Lower	Upper	
152	100		
150	157.4	123.0	184.4
115	57.5	51.4	77.2

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#5

2-Fluorophenol

Concen: 144.09 ng

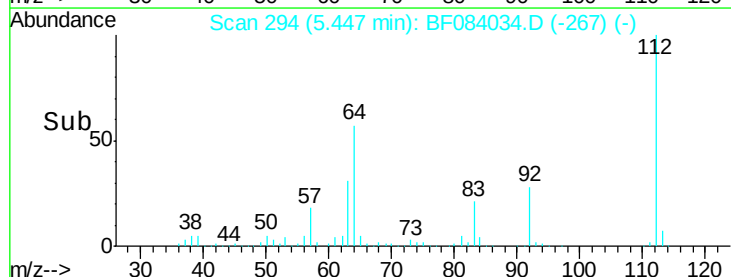
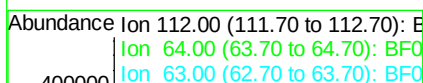
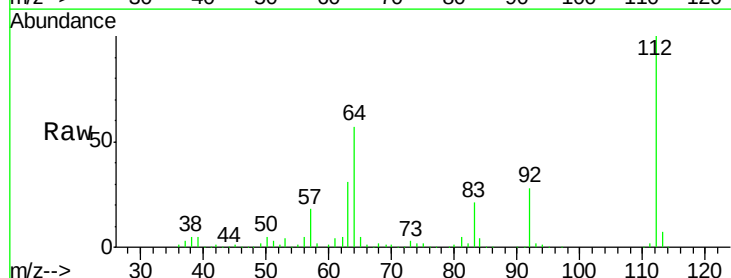
RT: 5.45 min Scan# 294

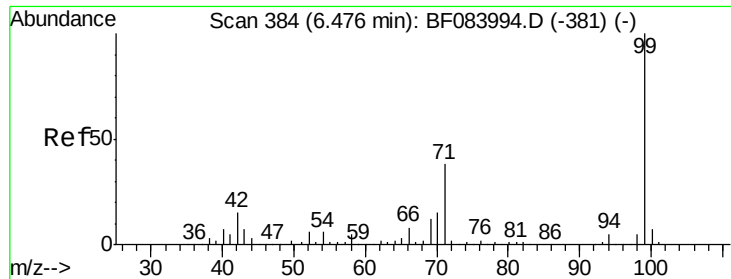
Delta R.T. 0.01 min

Lab File: BF084034.D

Acq: 23 Dec 2015 12:39

Tgt Ion:	112	Resp:	379560
Ion Ratio	Lower	Upper	
112	100		
64	56.5	36.6	55.0#
63	31.3	19.4	29.0#





#7

Phenol-d6

Concen: 160.02 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF084034.D

Acq: 23 Dec 2015 12:39

Instrument :

BNA_F

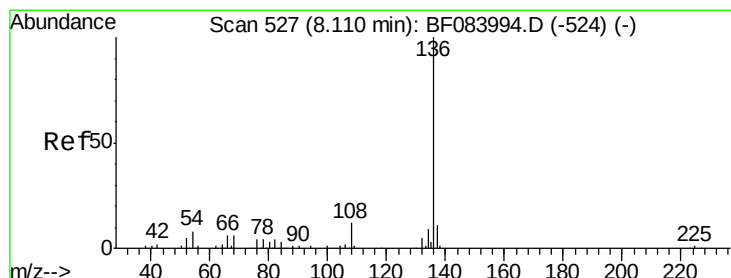
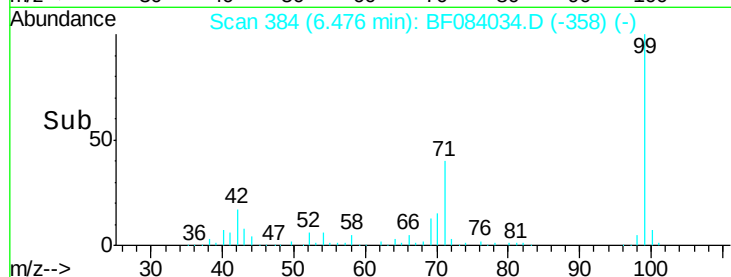
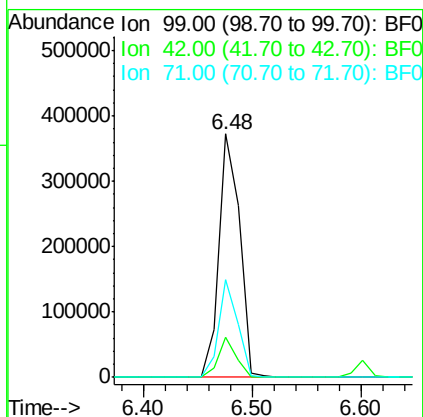
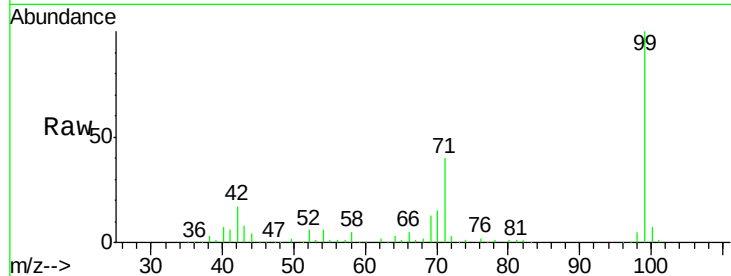
ClientSampled :

SB-5

Tot Ion:	99	Resp:	495626
Ion Ratio	Lower	Upper	
99	100		
42	16.7	12.8	19.2
71	40.2	30.9	46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

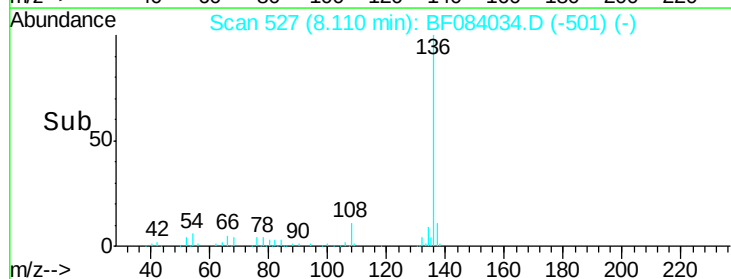
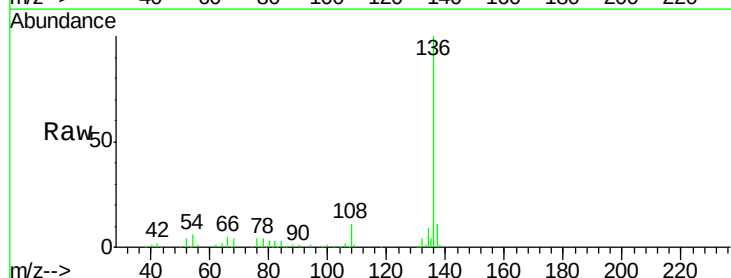
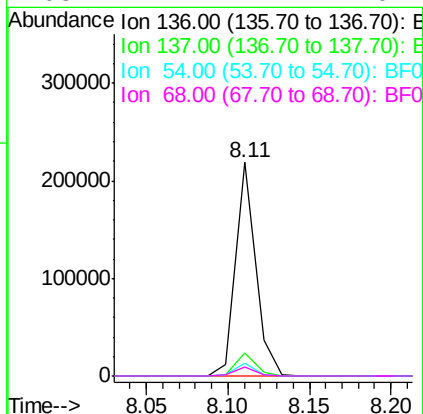
RT: 8.11 min Scan# 527

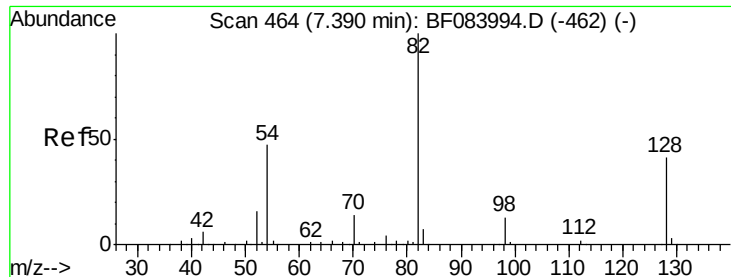
Delta R.T. -0.00 min

Lab File: BF084034.D

Acq: 23 Dec 2015 12:39

Tgt Ion:	136	Resp:	184518
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.7	13.1
54	6.0	5.8	8.8
68	4.4	4.2	6.2





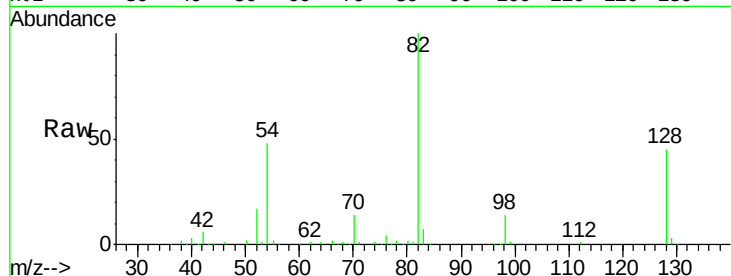
#23
Nitrobenzene-d5
Concen: 96.42 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.00 min
Lab File: BF084034.D
Acq: 23 Dec 2015 12:39

Instrument :
BNA_F
ClientSampleId :
SB-5

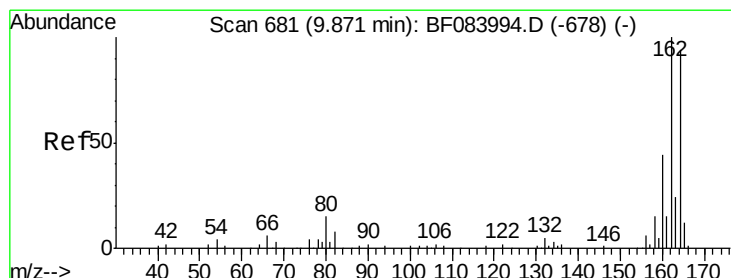
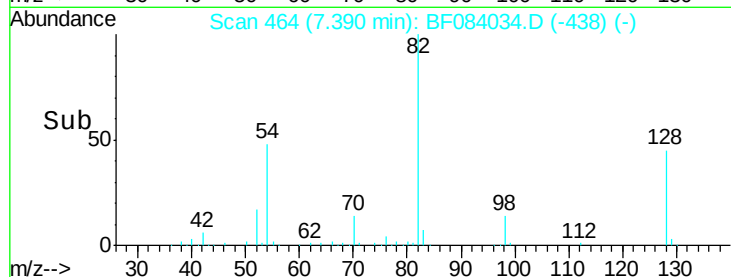
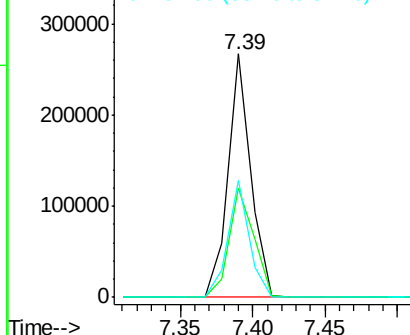
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	34.6	51.8
54	47.9	38.4	57.6

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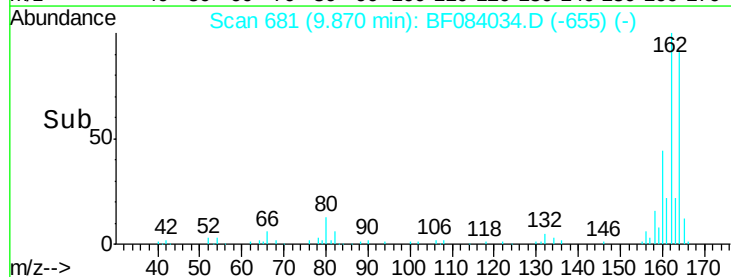
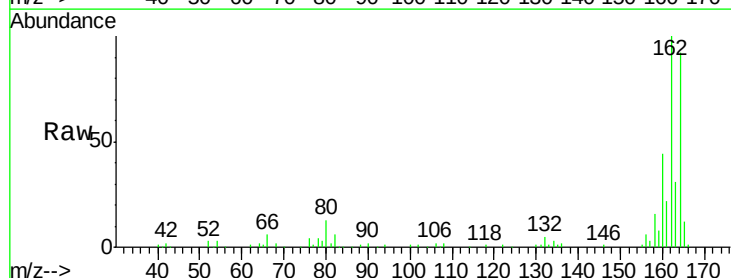
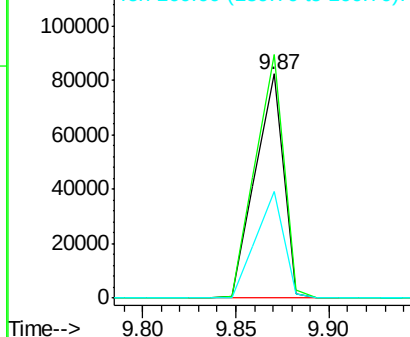
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

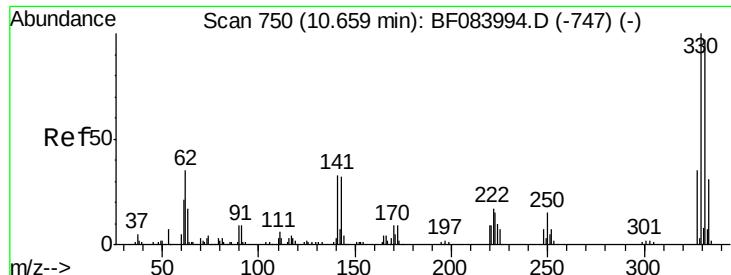


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.00 min
Lab File: BF084034.D
Acq: 23 Dec 2015 12:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	108.6	85.1	127.7
160	47.5	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





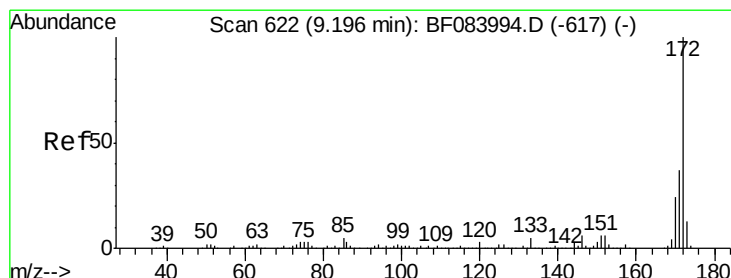
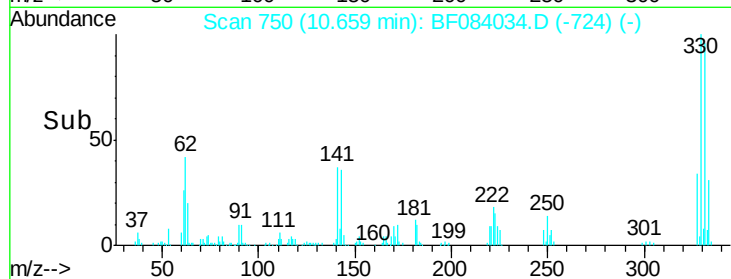
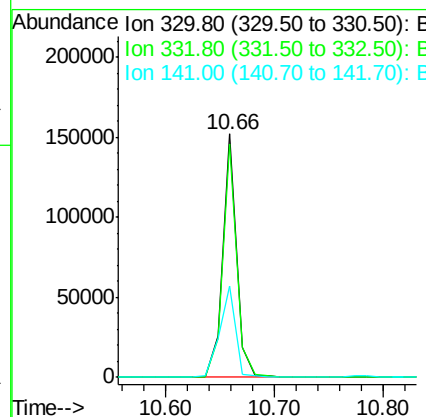
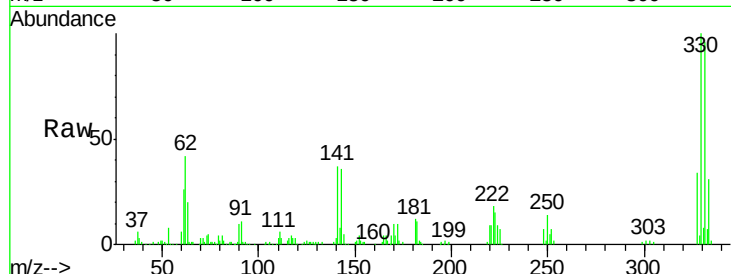
#41
 2,4,6-Tribromophenol
 Concen: 165.32 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: BF084034.D
 Acq: 23 Dec 2015 12:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-5

Tot Ion	Ratio	Resp	Lower	Upper
330	100	137262		
332	96.3	76.6	114.8	
141	43.2	27.8	41.6#	

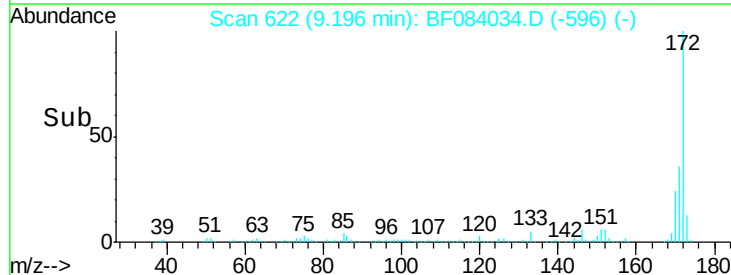
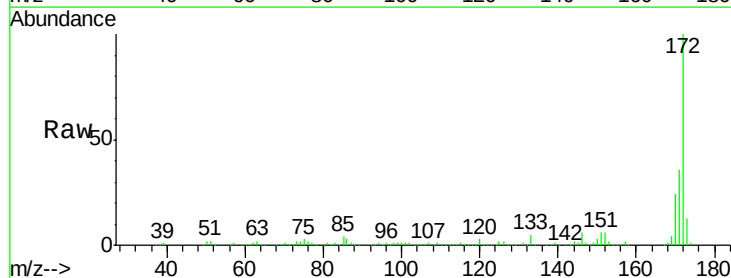
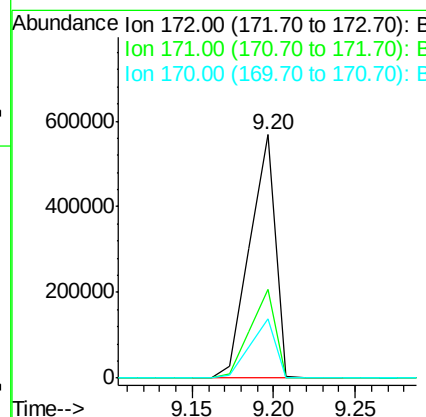
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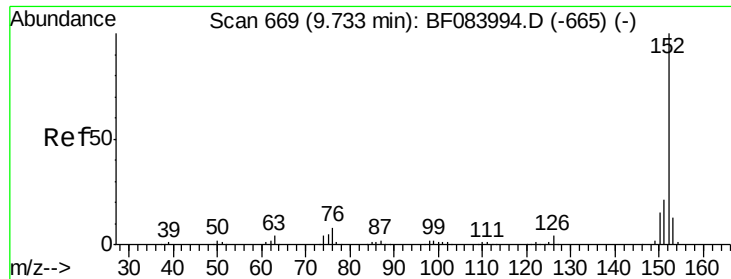
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#44
 2-Fluorobiphenyl
 Concen: 96.88 ng
 RT: 9.20 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF084034.D
 Acq: 23 Dec 2015 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	621381		
171	36.4	28.9	43.3	
170	24.2	18.6	27.8	





#48

Acenaphthylene

Concen: 4.65 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.00 min

Lab File: BF084034.D

Acq: 23 Dec 2015 12:39

Instrument :

BNA_F

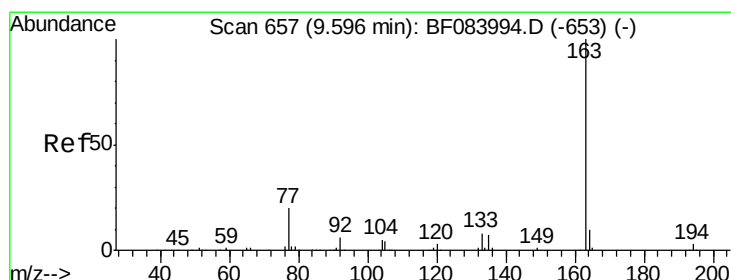
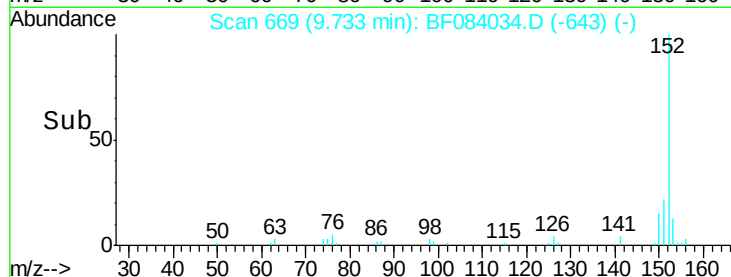
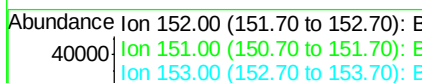
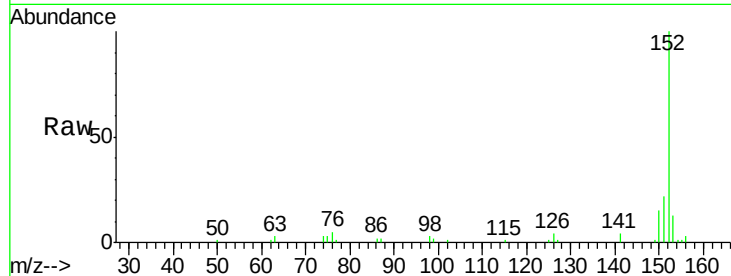
ClientSampled :

SB-5

Tot Ion:	152	Resp:	40454
Ion Ratio	Lower	Upper	
152	100		
151	22.0	16.3	24.5
153	12.8	10.4	15.6

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#49

Dimethylphthalate

Concen: 14.71 ng

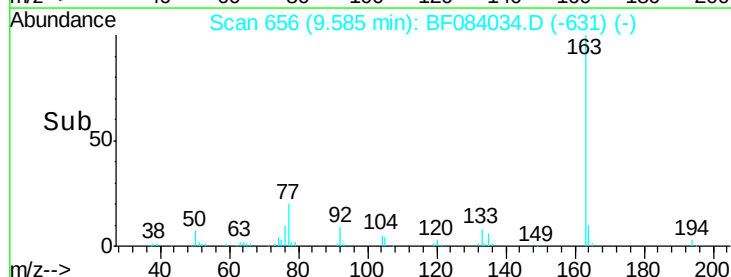
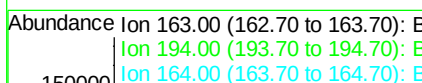
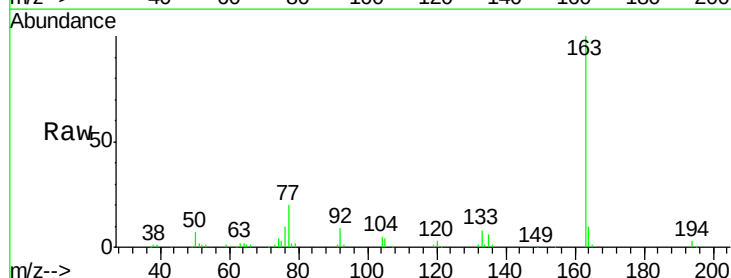
RT: 9.58 min Scan# 656

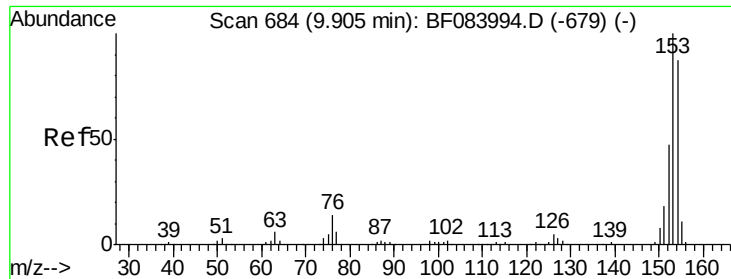
Delta R.T. -0.01 min

Lab File: BF084034.D

Acq: 23 Dec 2015 12:39

Tgt Ion:	163	Resp:	99360
Ion Ratio	Lower	Upper	
163	100		
194	3.0	8.0	12.0#
164	10.3	8.0	12.0





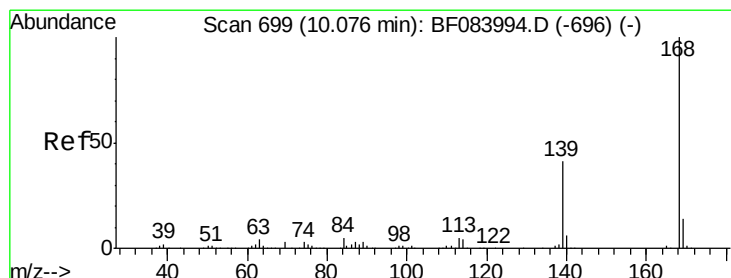
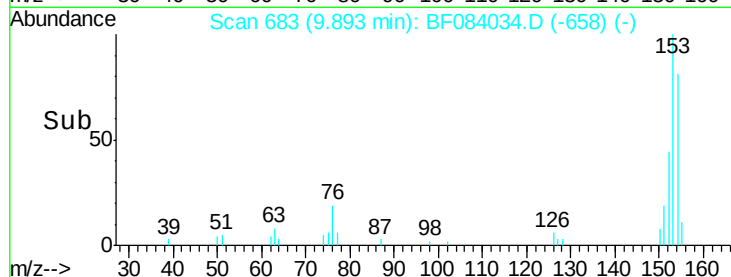
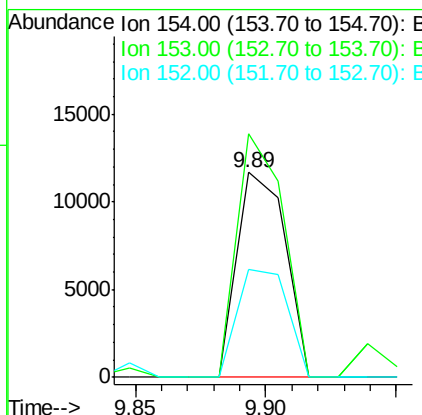
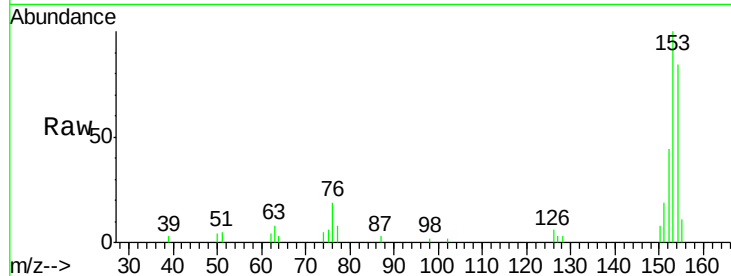
#51
Acenaphthene
Concen: 2.90 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF084034.D
Acq: 23 Dec 2015 12:39

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
154	100		
153	118.9	91.5	137.3
152	52.5	43.0	64.6

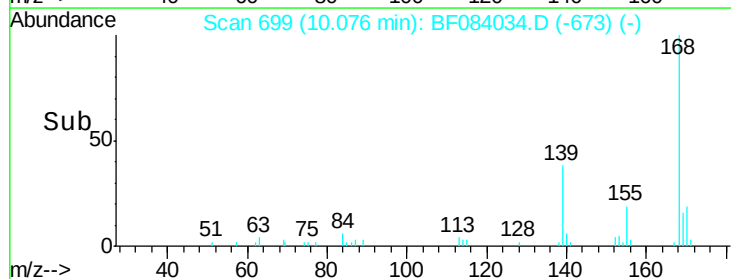
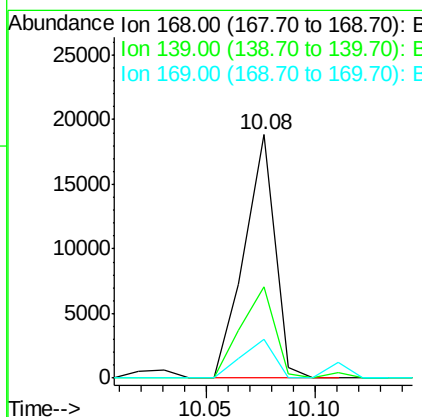
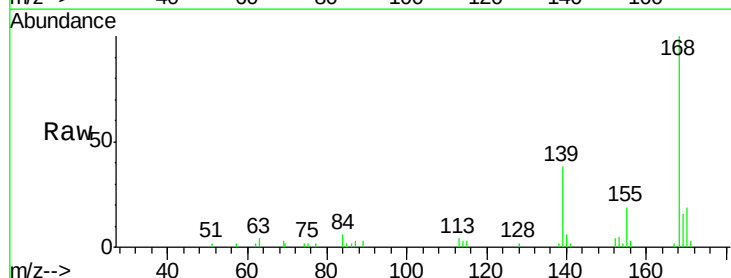
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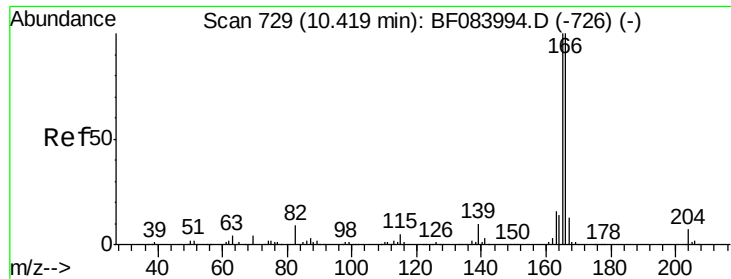
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#54
Dibenzofuran
Concen: 2.39 ng
RT: 10.08 min Scan# 699
Delta R.T. -0.00 min
Lab File: BF084034.D
Acq: 23 Dec 2015 12:39

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.7	30.5	45.7
169	16.1	10.4	15.6





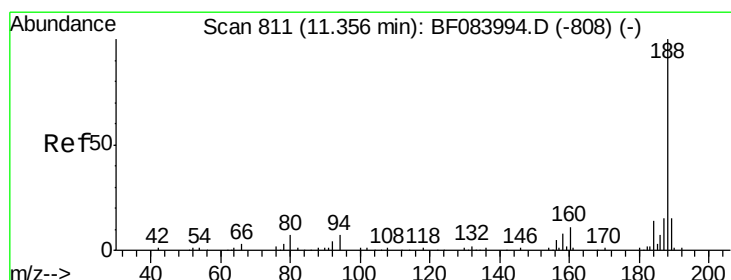
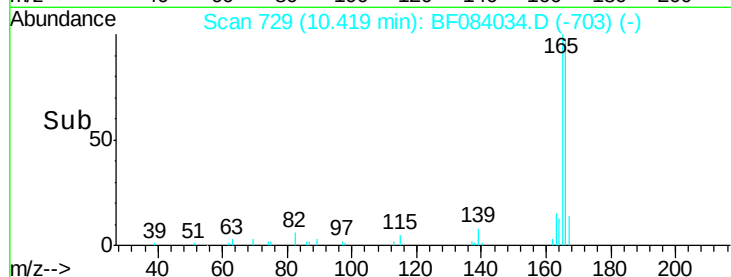
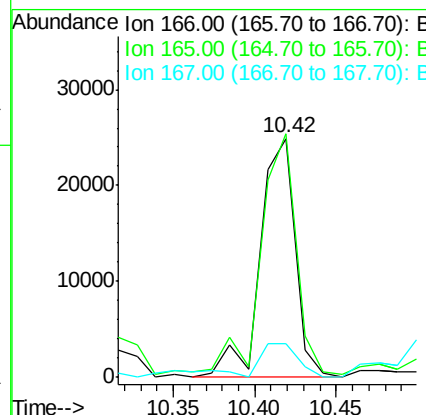
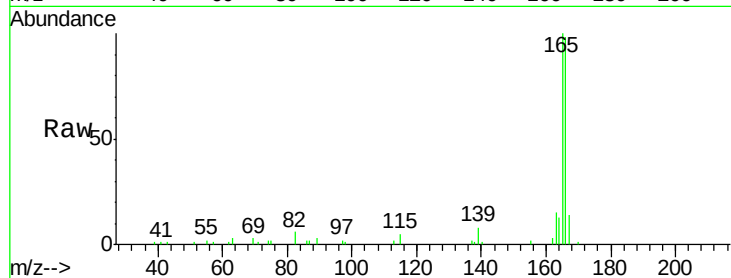
#57
Fluorene
Concen: 6.12 ng
RT: 10.42 min Scan# 729
Delta R.T. -0.00 min
Lab File: BF084034.D
Acq: 23 Dec 2015 12:39

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
166	100		
165	101.9	79.1	118.7
167	14.0	10.4	15.6

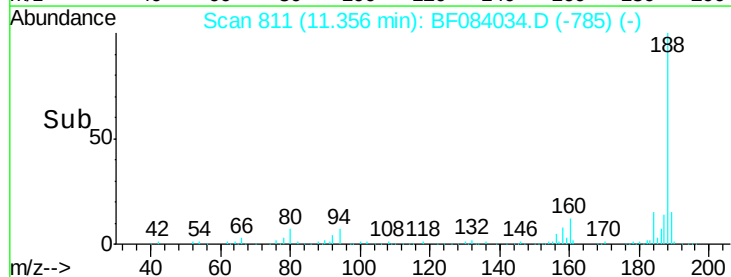
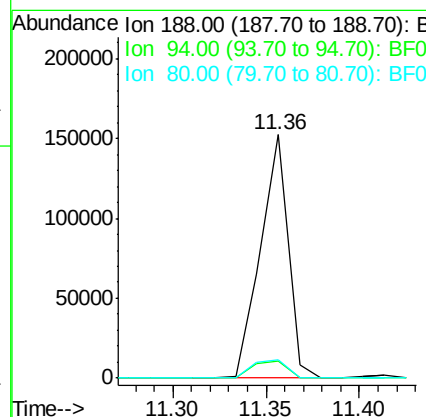
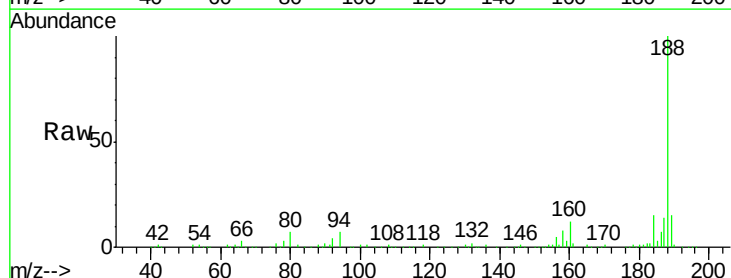
Manual Integrations
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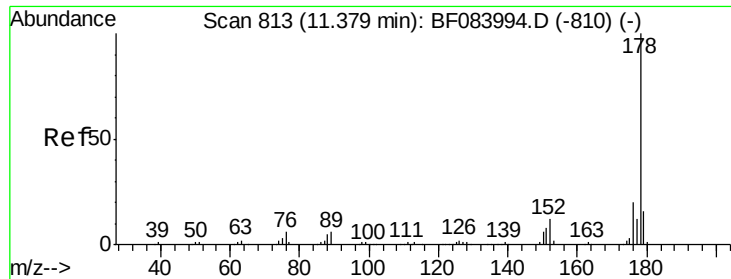
apatel
12/23/2015 4:32:47 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF084034.D
Acq: 23 Dec 2015 12:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	9.0	13.4#
80	7.3	9.6	14.4#





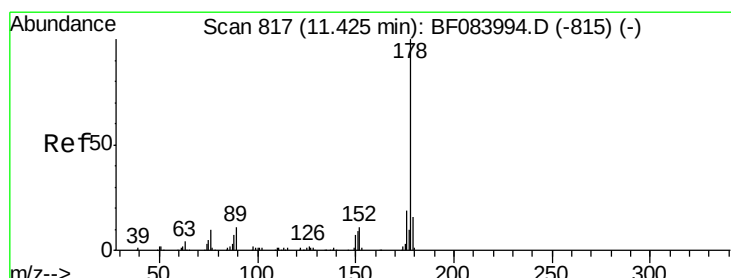
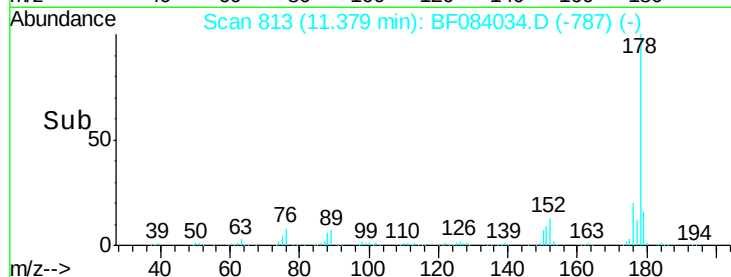
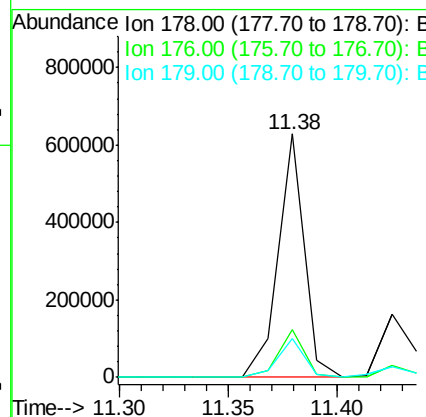
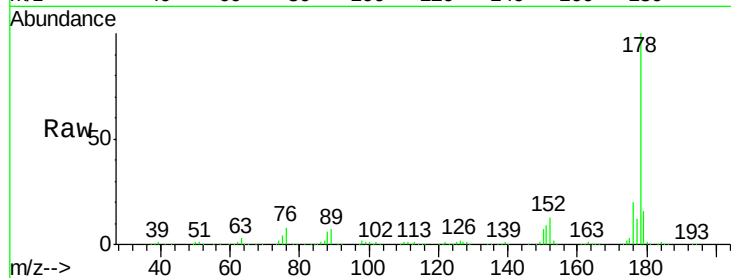
#70
Phenanthrene
Concen: 60.69 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF084034.D
Acq: 23 Dec 2015 12:39

Instrument :
BNA_F
ClientSampleId :
SB-5

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	15.9	12.0	18.0

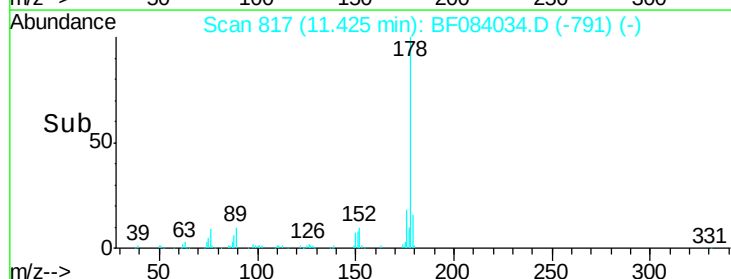
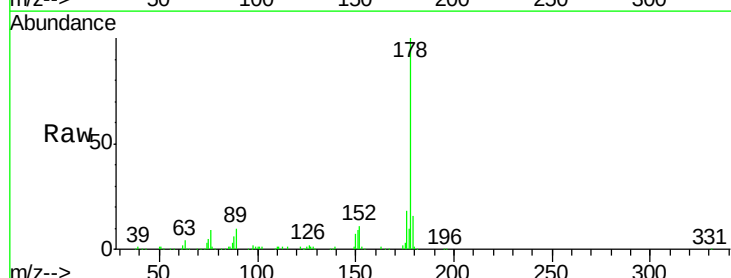
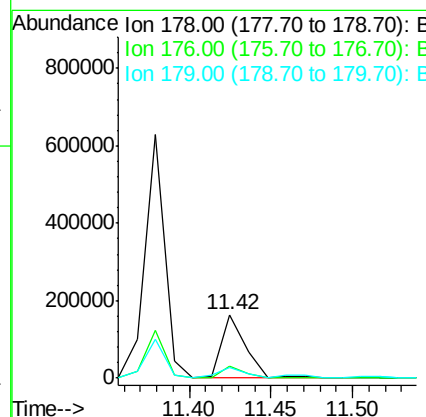
Manual Integrations
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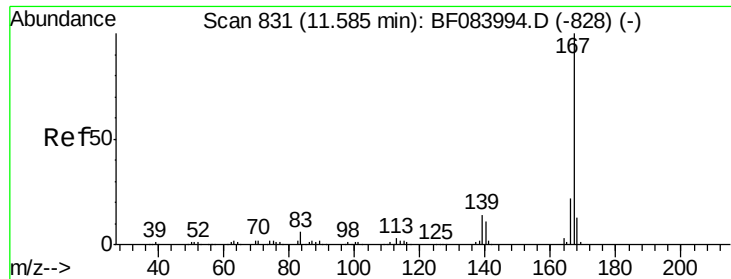
apatel
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#71
Anthracene
Concen: 18.37 ng
RT: 11.42 min Scan# 817
Delta R.T. -0.00 min
Lab File: BF084034.D
Acq: 23 Dec 2015 12:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.0
179	15.9	12.5	18.7





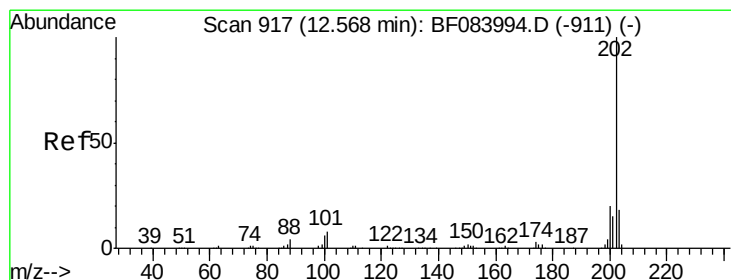
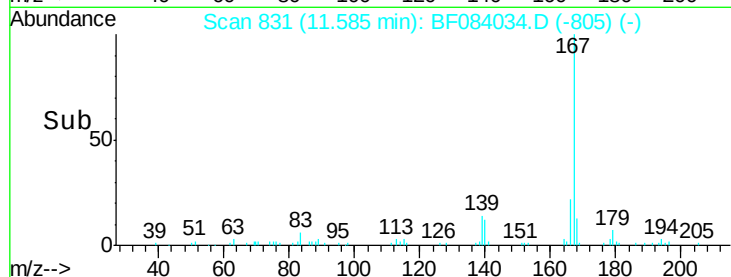
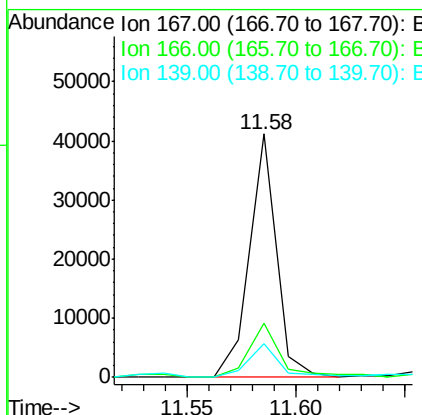
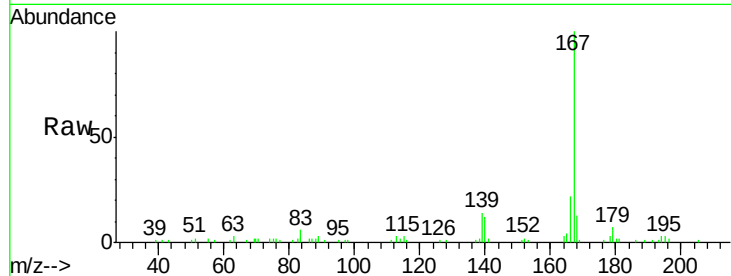
#72
 Carbazole
 Concen: 4.26 ng
 RT: 11.58 min Scan# 831
 Delta R.T. -0.00 min
 Lab File: BF084034.D
 Acq: 23 Dec 2015 12:39

Instrument :
 BNA_F
 ClientSampleID :
 SB-5

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.6	26.4
139	14.1	11.8	17.8

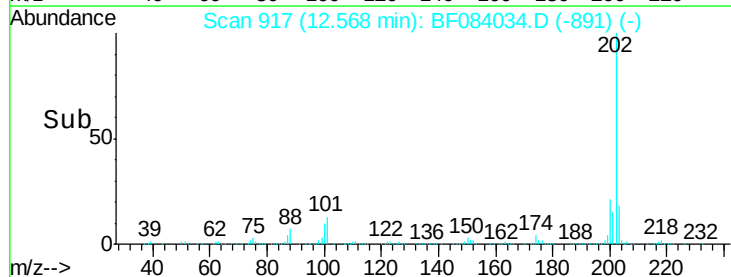
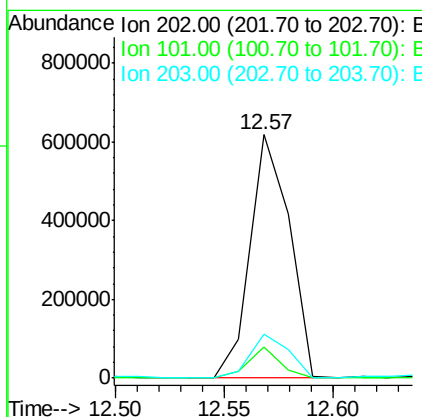
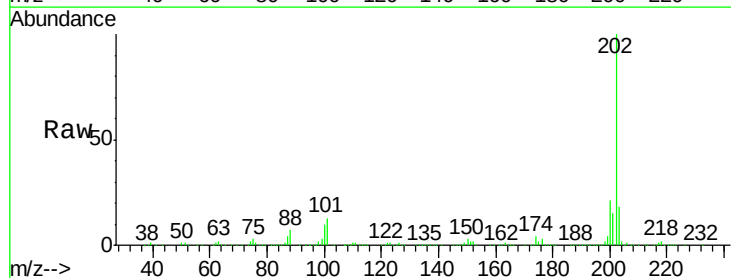
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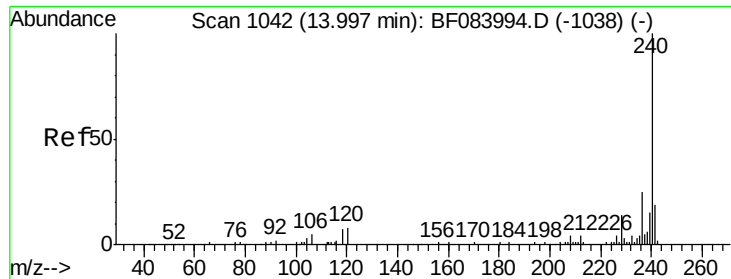
apatel
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#74
 Fluoranthene
 Concen: 89.44 ng
 RT: 12.57 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: BF084034.D
 Acq: 23 Dec 2015 12:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	32.8
203	18.3	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BF084034.D

Acq: 23 Dec 2015 12:39

Instrument :

BNA_F

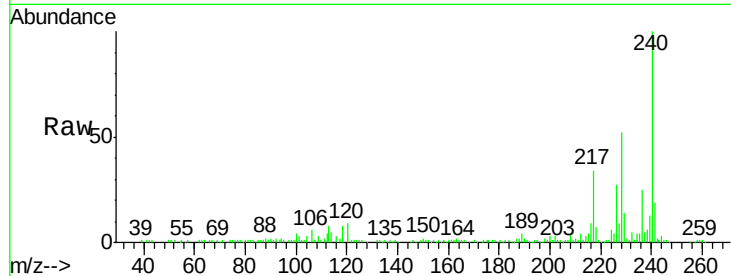
ClientSampleId :

SB-5

Tot Ion:	240	Resp:	99284
Ion Ratio	Lower	Upper	
240	100		
120	8.7	9.5	14.3#
236	25.4	20.6	31.0

Manual Integrations
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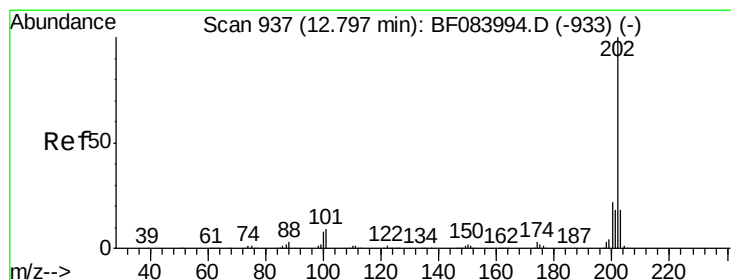
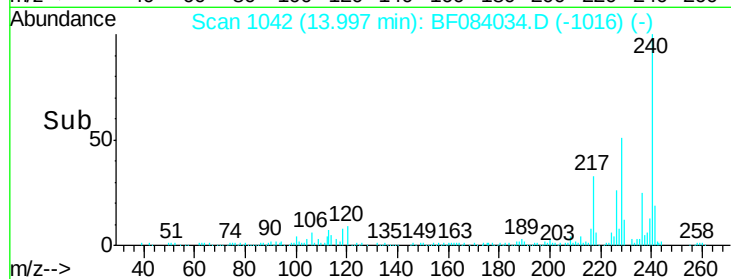
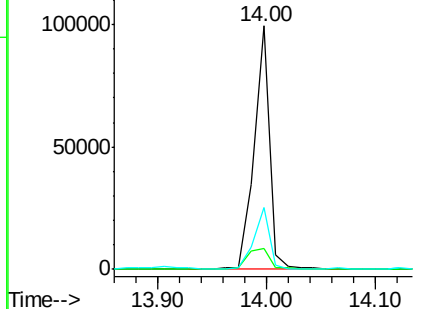
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 89.74 ng

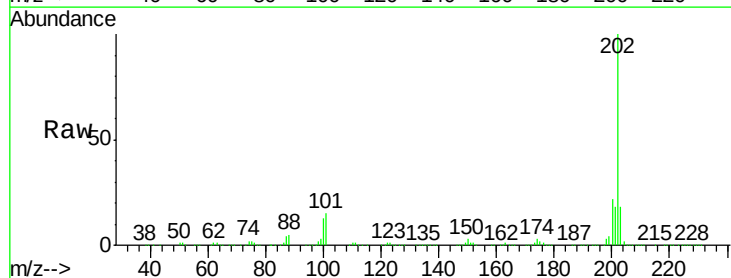
RT: 12.80 min Scan# 937

Delta R.T. 0.00 min

Lab File: BF084034.D

Acq: 23 Dec 2015 12:39

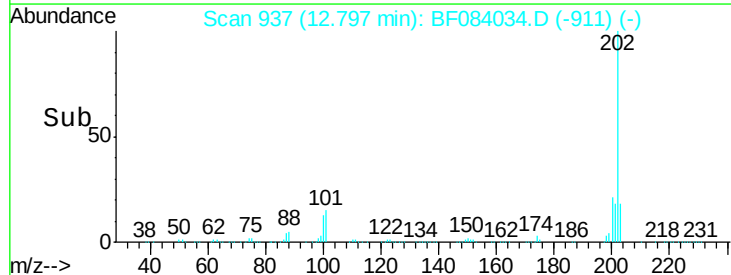
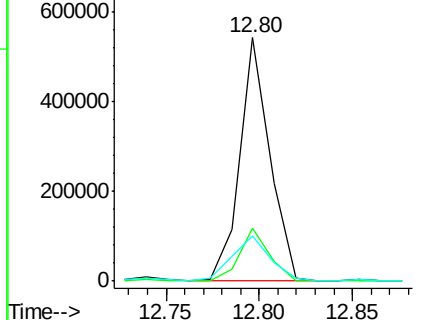
Tgt Ion:	202	Resp:	604499
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.2	25.8
203	18.5	14.3	21.5

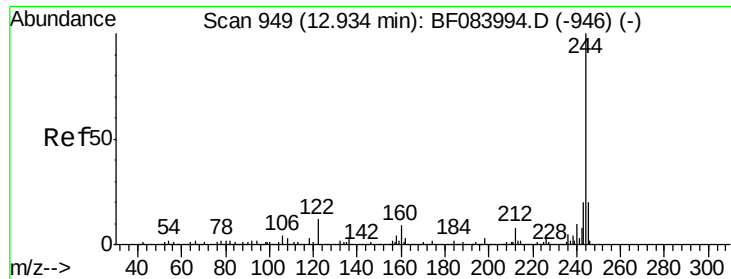


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 97.27 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF084034.D

Acq: 23 Dec 2015 12:39

Instrument :

BNA_F

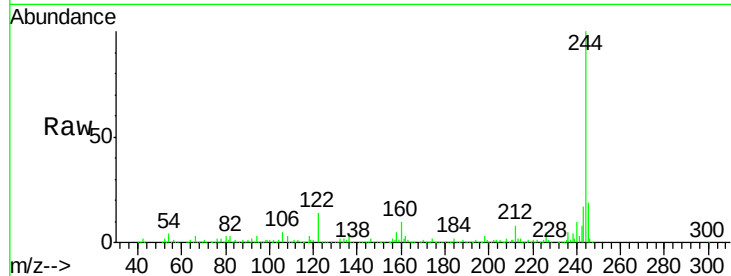
ClientSampled :

SB-5

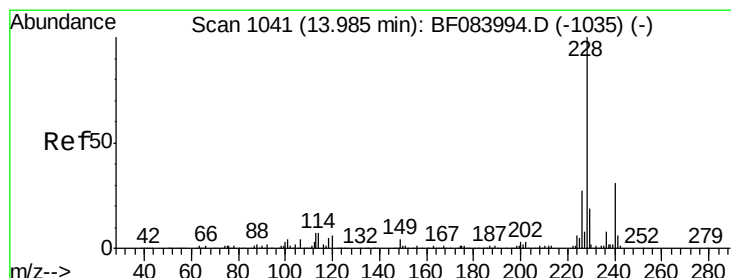
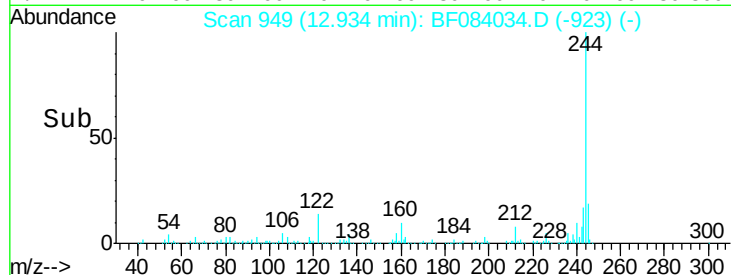
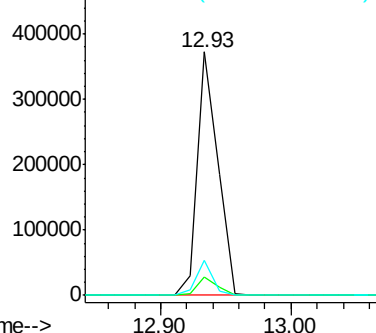
Tot Ion:	244	Resp:	404952
Ion Ratio		Lower	Upper
244	100		
212	7.7	5.7	8.5
122	14.3	7.4	11.0#

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 55.44 ng m

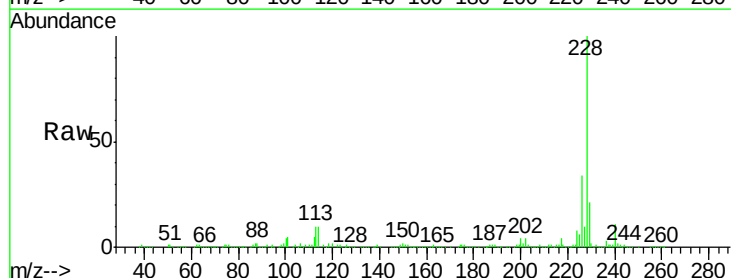
RT: 13.99 min Scan# 1041

Delta R.T. -0.00 min

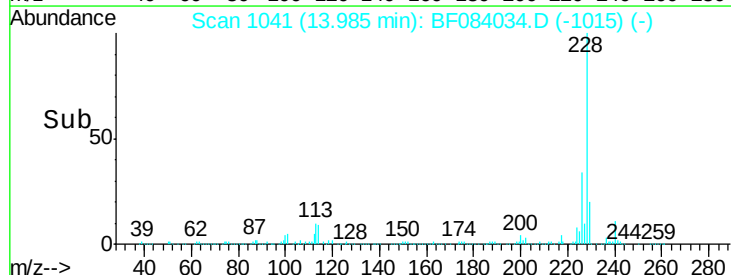
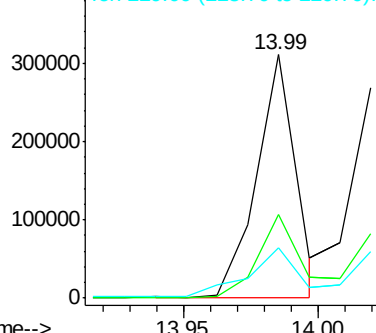
Lab File: BF084034.D

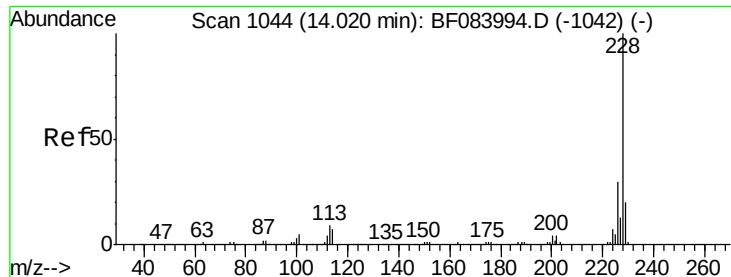
Acq: 23 Dec 2015 12:39

Tgt Ion:	228	Resp:	317409
Ion Ratio		Lower	Upper
228	100		
226	34.2	21.8	32.6#
229	20.9	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: 49.55 ng/mL

RT: 14.02 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BF084034.D

Acq: 23 Dec 2015 12:39

Instrument :

BNA_F

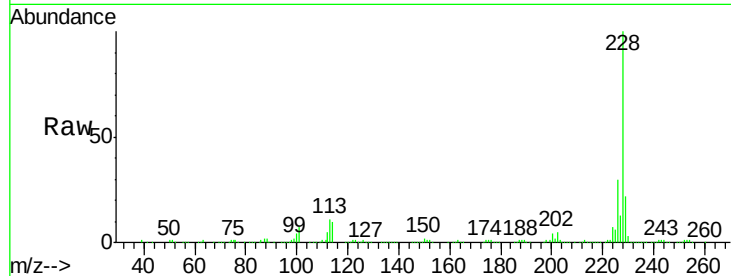
ClientSampleId :

SB-5

Tot Ion:	228	Resp:	263350
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.3	36.5
229	21.9	16.1	24.1

Manual Integrations
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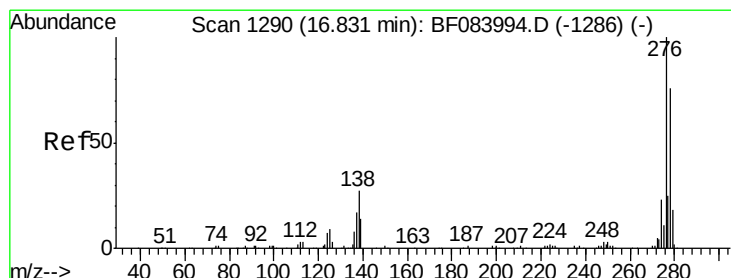
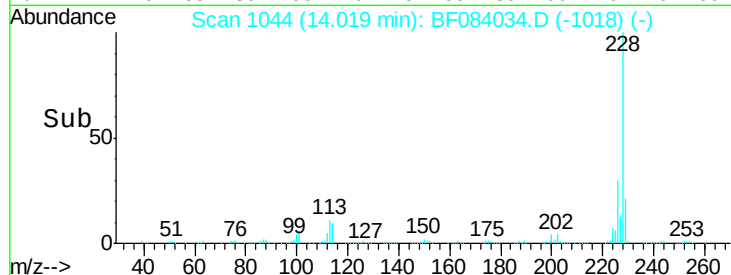
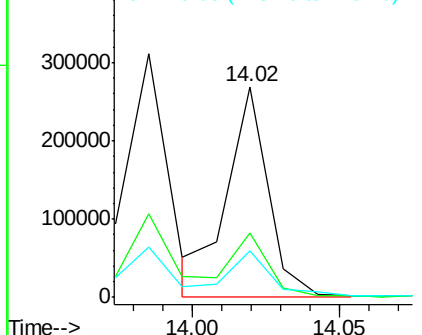


Abundance

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



#85

Indeno(1,2,3-cd)pyrene

Concen: 31.71 ng/mL

RT: 16.84 min Scan# 1291

Delta R.T. 0.01 min

Lab File: BF084034.D

Acq: 23 Dec 2015 12:39

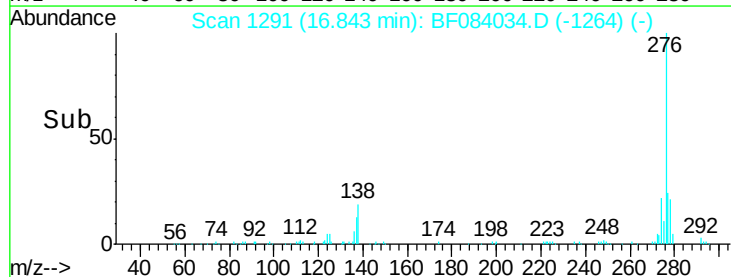
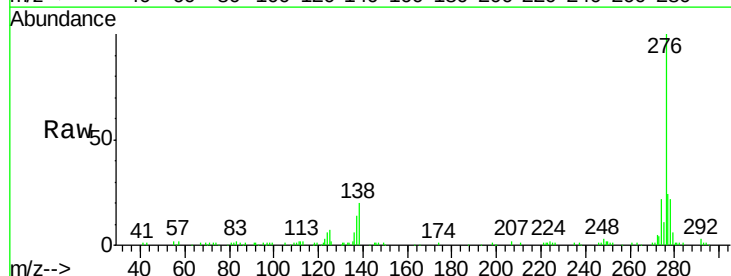
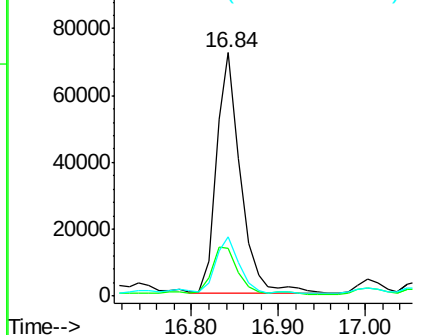
Tgt Ion:	276	Resp:	139399
Ion Ratio	Lower	Upper	
276	100		
138	21.7	20.6	30.8
277	23.8	20.1	30.1

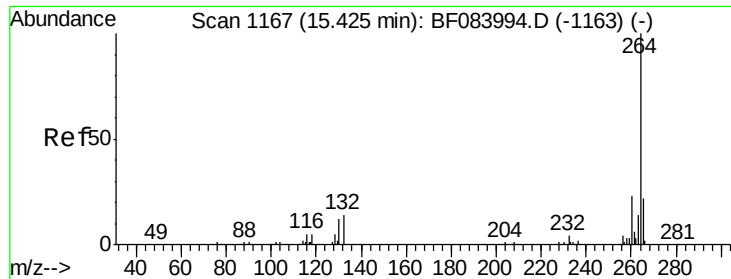
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





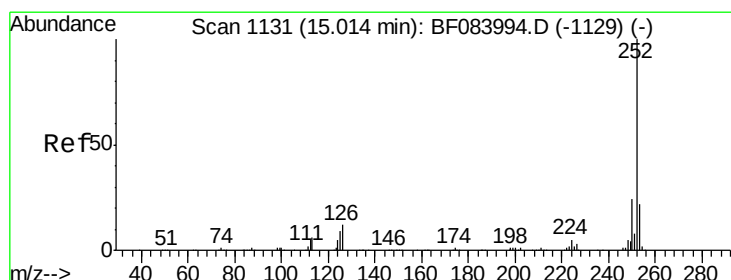
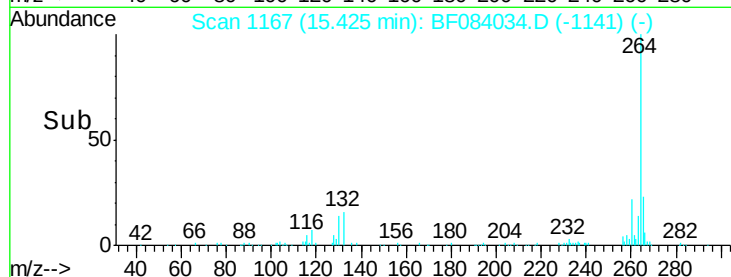
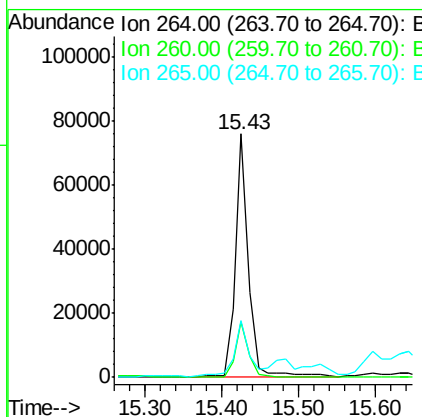
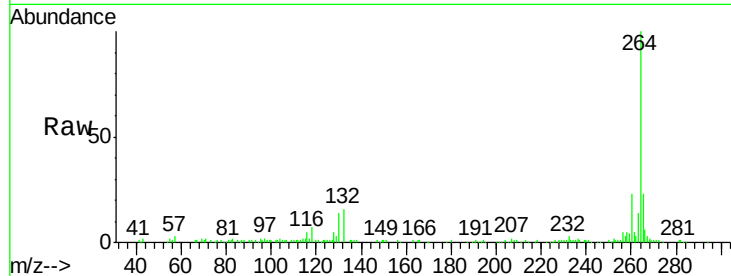
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.00 min
Lab File: BF084034.D
Acq: 23 Dec 2015 12:39

Instrument :
BNA_F
ClientSampled :
SB-5

Tot Ion:	264	Resp:	93845
Ion Ratio	Lower	Upper	
264	100		
260	22.6	19.4	29.2
265	23.3	17.8	26.6

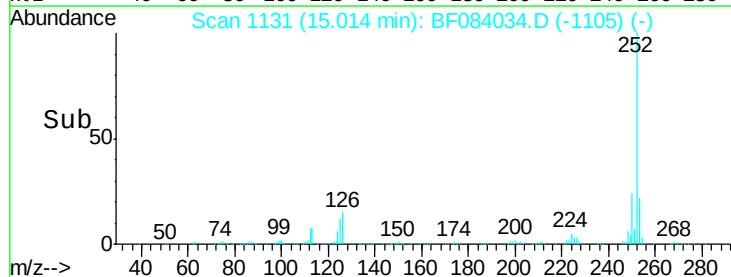
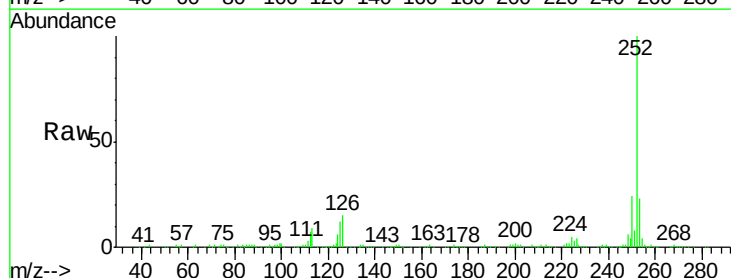
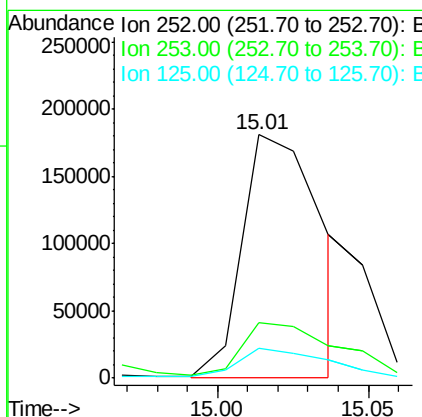
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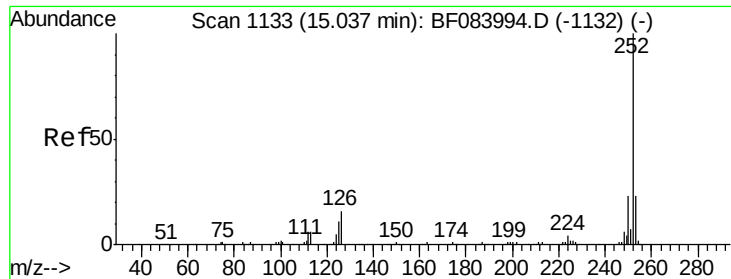
apatel
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#87
Benzo(b)fluoranthene
Concen: 55.92 ng m
RT: 15.01 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BF084034.D
Acq: 23 Dec 2015 12:39

Tgt Ion:	252	Resp:	330833
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.3	25.9
125	12.4	6.5	9.7#





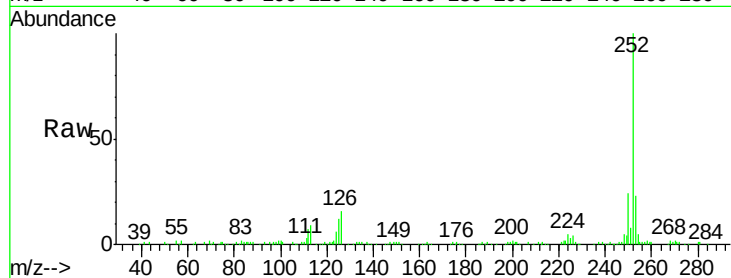
#88
Benzo(k)fluoranthene
Concen: 12.31 ng m
RT: 15.04 min Scan# 1133
Delta R.T. -0.00 min
Lab File: BF084034.D
Acq: 23 Dec 2015 12:39

Instrument :
BNA_F
ClientSampled :
SB-5

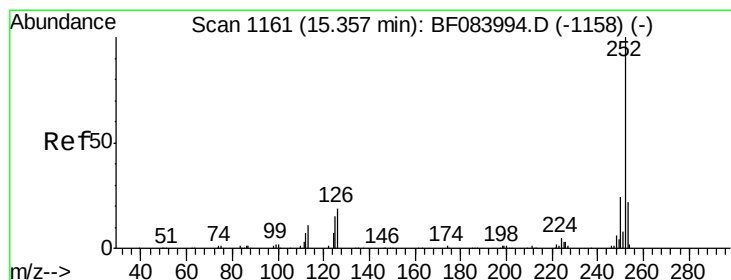
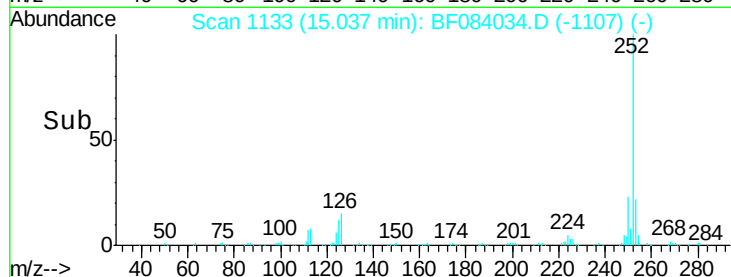
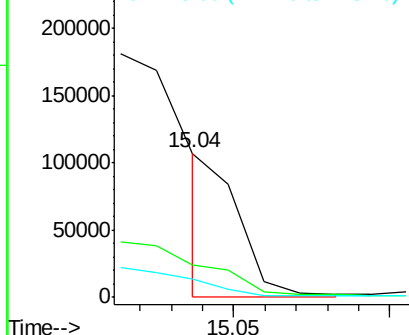
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	12.3	9.0	13.6

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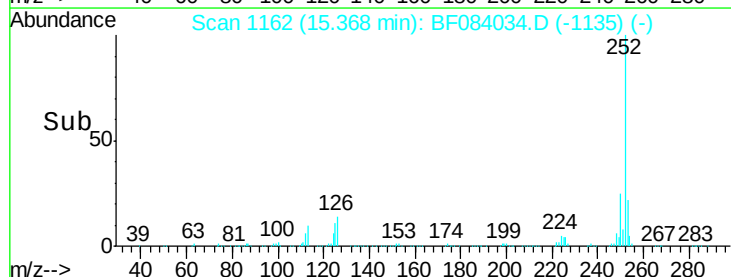
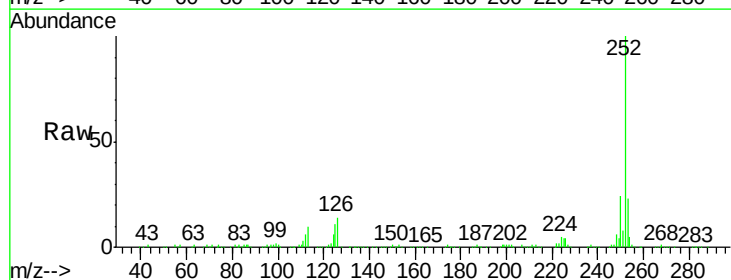
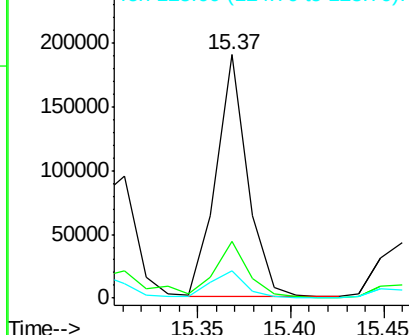
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

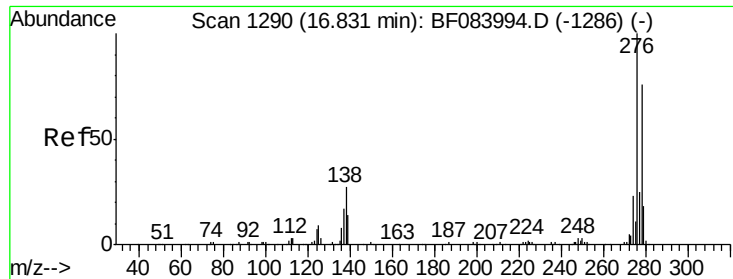


#89
Benzo(a)pyrene
Concen: 40.77 ng
RT: 15.37 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BF084034.D
Acq: 23 Dec 2015 12:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.3	25.9
125	11.3	7.0	10.4

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





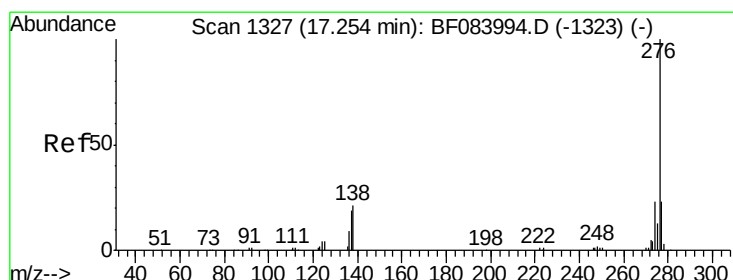
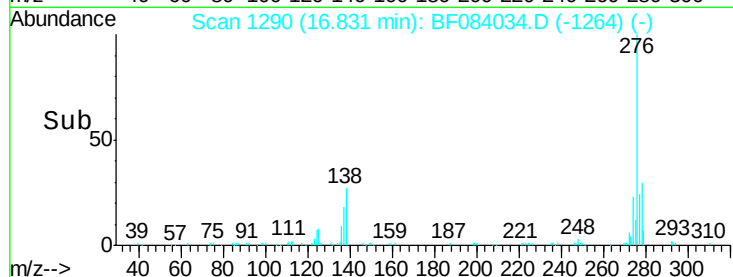
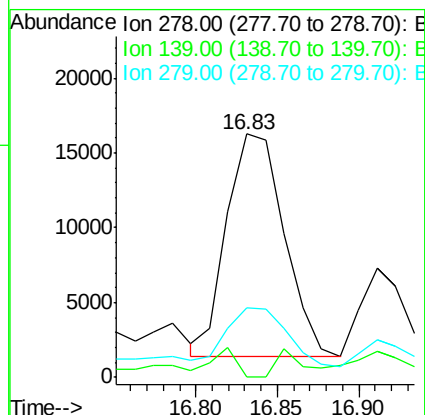
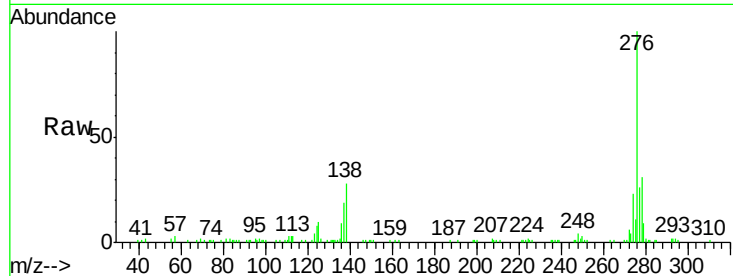
#90
Dibenzo(a,h)anthracene
Concen: 7.98 ng
RT: 16.83 min Scan# 1290
Delta R.T. -0.00 min
Lab File: BF084034.D
Acq: 23 Dec 2015 12:39

Instrument :
BNA_F
ClientSampleId :
SB-5

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.0	22.4#
279	28.5	18.9	28.3#

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#91
Benzo(g,h,i)perylene
Concen: 25.71 ng
RT: 17.27 min Scan# 1328
Delta R.T. 0.01 min
Lab File: BF084034.D
Acq: 23 Dec 2015 12:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.8	28.2
138	21.1	17.8	26.6

