

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
 Data File : BF084037.D
 Acq On : 23 Dec 2015 14:04
 Operator : UM/SJ
 Sample : G4913-05DL 2X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5DL

Manual Integrations
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Quant Time: Dec 23 14:39:49 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	43911	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	177302	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	81877	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	146492	20.00	ng	0.00
75) Chrysene-d12	14.00	240	99514	20.00	ng	0.00
86) Perylene-d12	15.43	264	93203	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	201717	78.33	ng	0.01
7) Phenol-d6	6.48	99	272814	90.10	ng	0.00
23) Nitrobenzene-d5	7.39	82	159038	55.10	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	70227	89.17	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	276767	45.49	ng	-0.01
78) Terphenyl-d14	12.93	244	225541	54.05	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.73	152	18978	2.30	ng	99
49) Dimethylphthalate	9.58	163	47649	7.44	ng	# 90
57) Fluorene	10.42	166	16816	2.89	ng	# 91
70) Phenanthrene	11.38	178	274986	33.21	ng	100
71) Anthracene	11.42	178	84575	10.06	ng	99
72) Carbazole	11.58	167	17391	2.21	ng	98
74) Fluoranthene	12.57	202	426927	52.00	ng	97
77) Pyrene	12.80	202	364443	53.98	ng	99
80) Benzo(a)anthracene	13.99	228	170812m	29.77	ng	
82) Chrysene	14.02	228	129311m	24.27	ng	
85) Indeno(1,2,3-cd)pyrene	16.83	276	66628	15.12	ng	94
87) Benzo(b)fluoranthene	15.01	252	146722m	24.97	ng	
88) Benzo(k)fluoranthene	15.03	252	58204m	10.42	ng	
89) Benzo(a)pyrene	15.37	252	112904	20.75	ng	97
90) Dibenzo(a,h)anthracene	16.83	278	18506m	4.10	ng	
91) Benzo(g,h,i)perylene	17.27	276	60984	13.37	ng	98

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

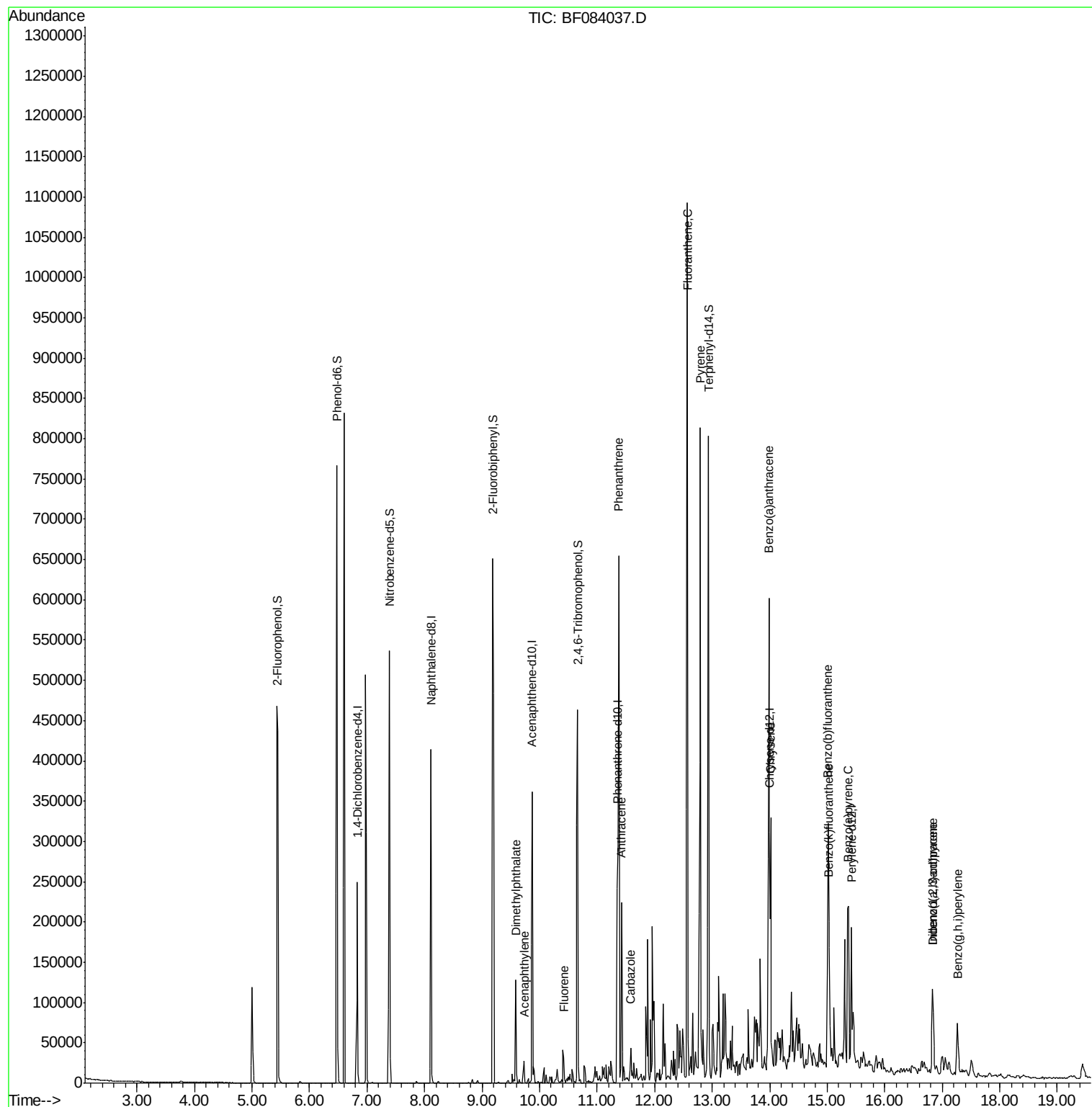
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
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ALS Vial : 43 Sample Multiplier: 1

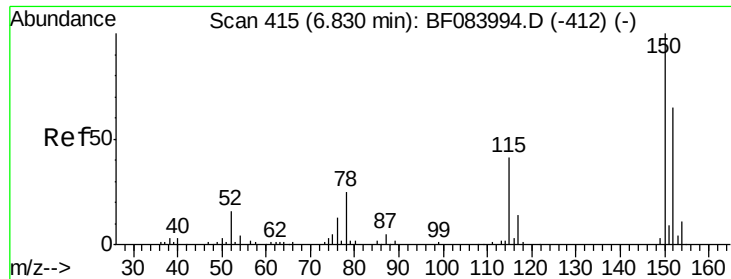
Instrument :
BNA_F
ClientSampled :
SB-5DL

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#1

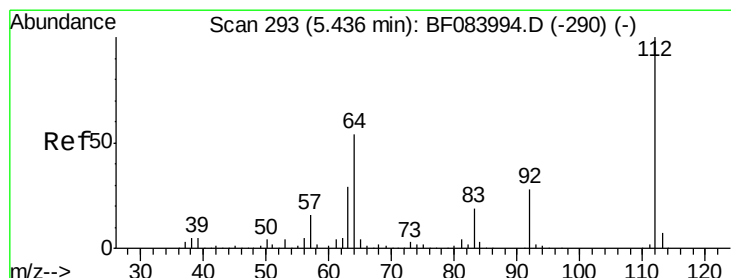
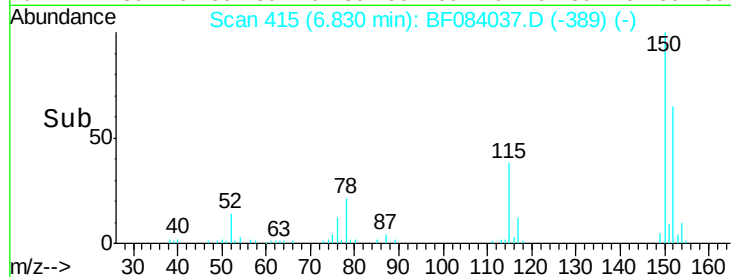
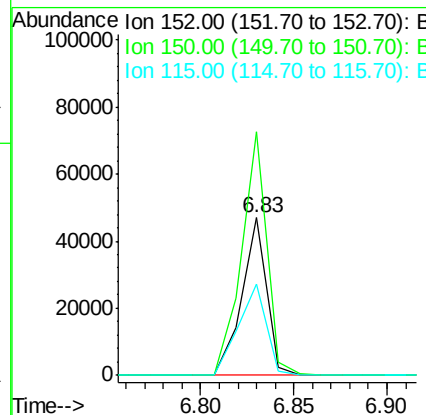
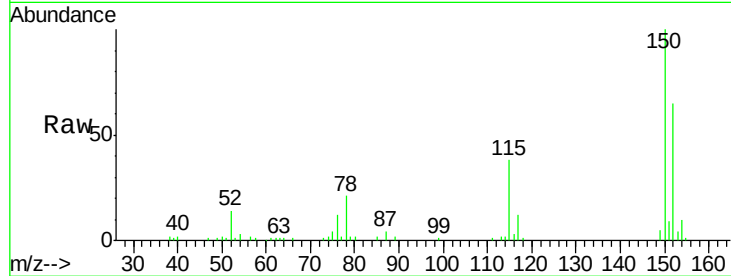
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.00 min
Lab File: BF084037.D
Acq: 23 Dec 2015 14:04

Instrument :
BNA_F
ClientSampleId :
SB-5DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	123.0	184.4
115	58.3	51.4	77.2

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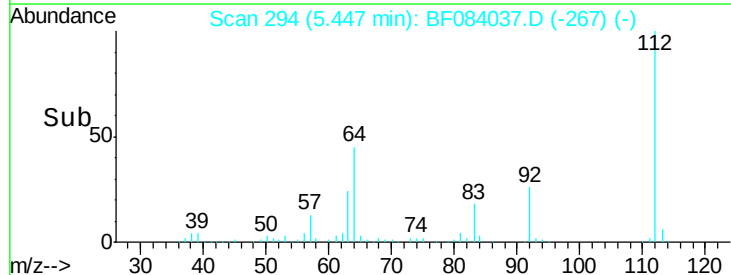
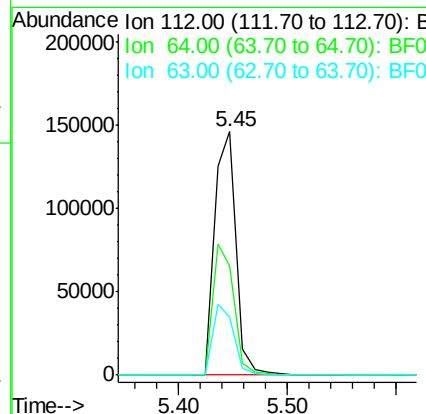
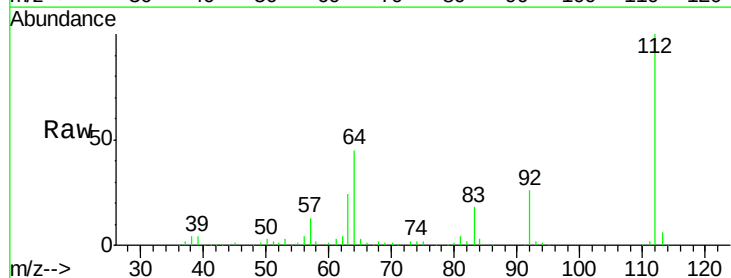
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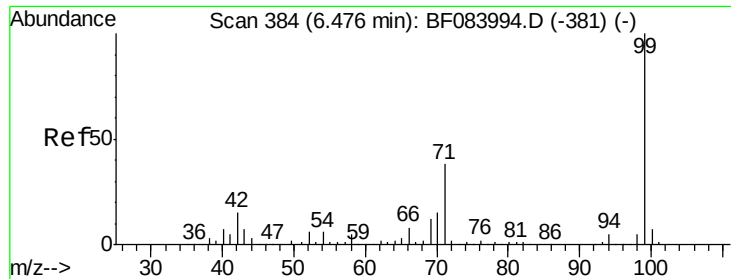


#5

2-Fluorophenol
Concen: 78.33 ng
RT: 5.45 min Scan# 294
Delta R.T. 0.01 min
Lab File: BF084037.D
Acq: 23 Dec 2015 14:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.8	36.6	55.0
63	24.0	19.4	29.0





#7

Phenol-d6

Concen: 90.10 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF084037.D

Acq: 23 Dec 2015 14:04

Instrument :

BNA_F

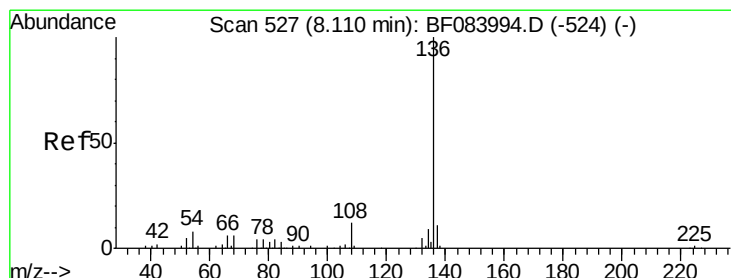
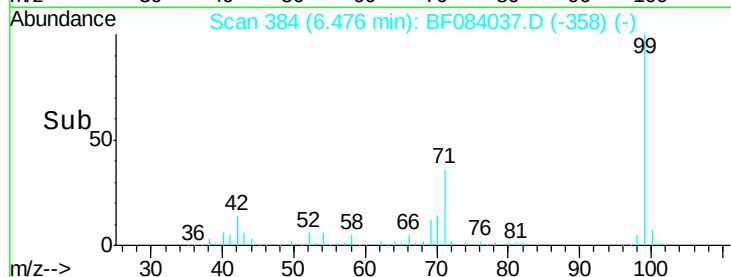
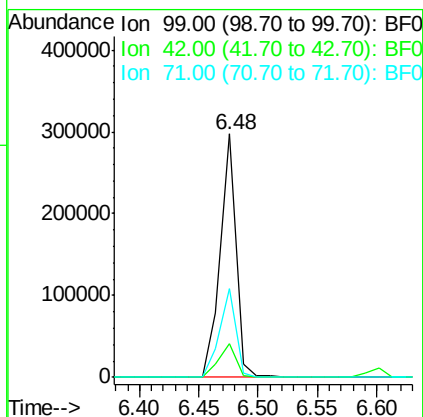
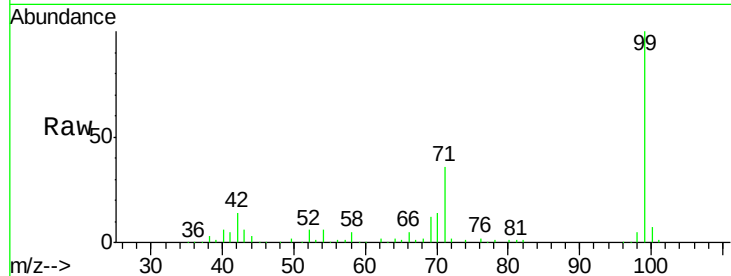
ClientSampled :

SB-5DL

Tot Ion:	99	Resp:	272814
Ion Ratio	Lower	Upper	
99	100		
42	14.0	12.8	19.2
71	36.5	30.9	46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

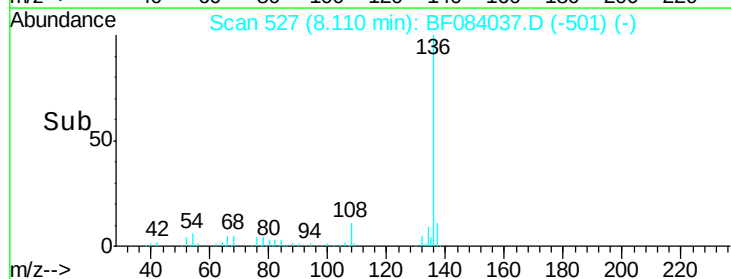
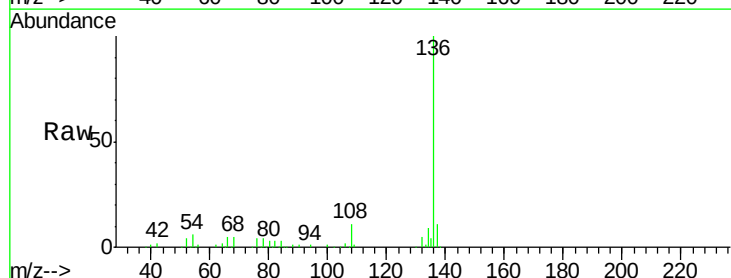
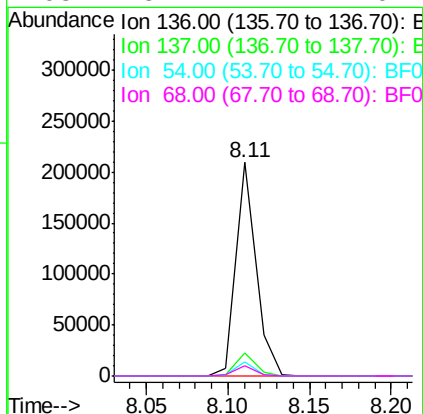
RT: 8.11 min Scan# 527

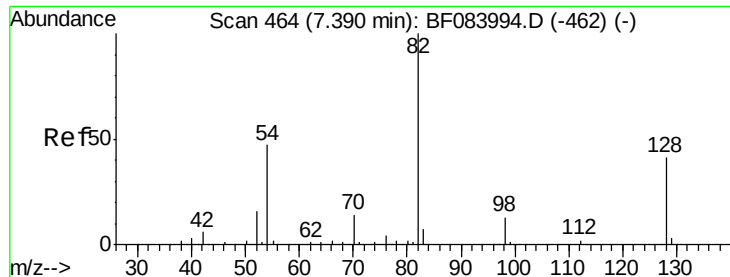
Delta R.T. -0.00 min

Lab File: BF084037.D

Acq: 23 Dec 2015 14:04

Tgt Ion:	136	Resp:	177302
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.7	13.1
54	6.4	5.8	8.8
68	5.1	4.2	6.2





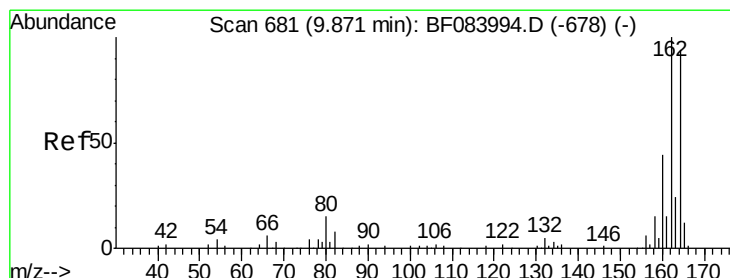
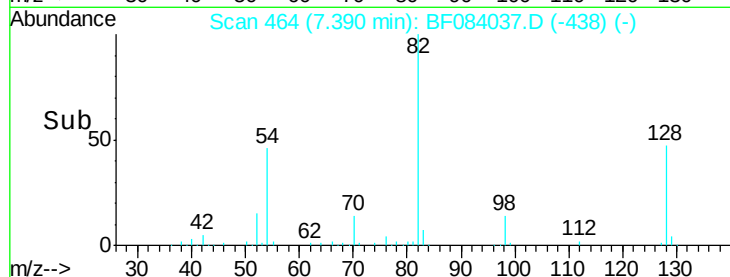
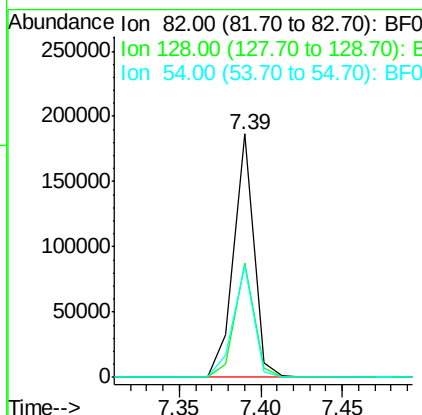
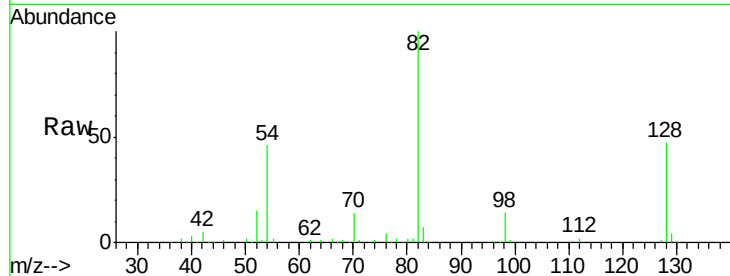
#23
 Nitrobenzene-d5
 Concen: 55.10 ng
 RT: 7.39 min Scan# 464
 Delta R.T. -0.00 min
 Lab File: BF084037.D
 Acq: 23 Dec 2015 14:04

Instrument :
 BNA_F
 ClientSampled :
 SB-5DL

Tot Ion	82	Resp	159038
Ion Ratio	Lower	Upper	
82	100		
128	47.0	34.6	51.8
54	45.7	38.4	57.6

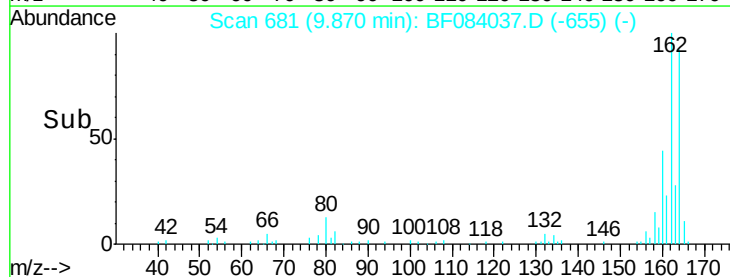
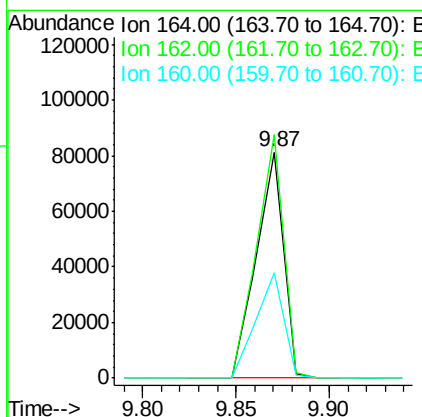
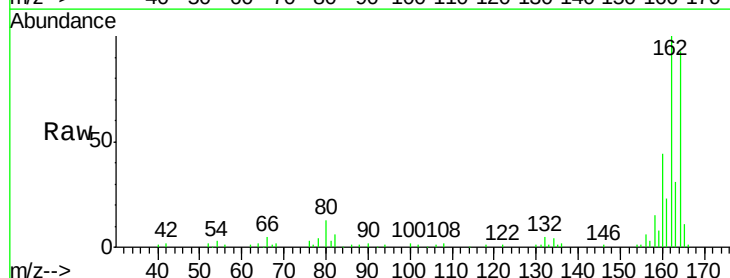
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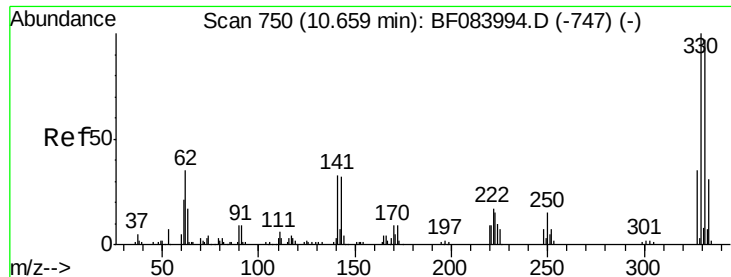
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.00 min
 Lab File: BF084037.D
 Acq: 23 Dec 2015 14:04

Tgt Ion	164	Resp	81877
Ion Ratio	Lower	Upper	
164	100		
162	107.8	85.1	127.7
160	46.9	37.5	56.3





#41

2,4,6-Tribromophenol

Concen: 89.17 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF084037.D

Acq: 23 Dec 2015 14:04

Instrument :

BNA_F

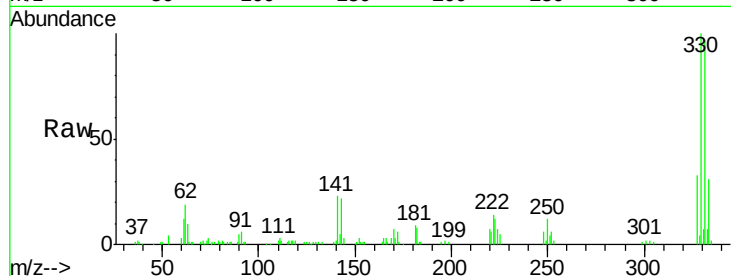
ClientSampleId :

SB-5DL

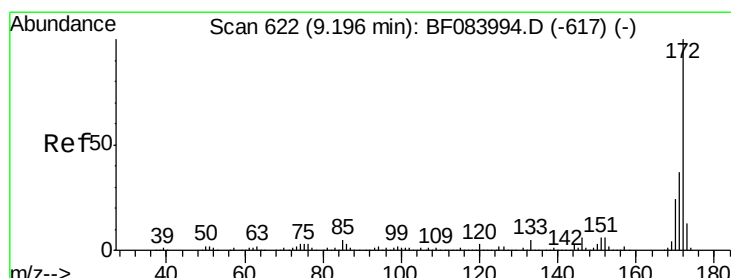
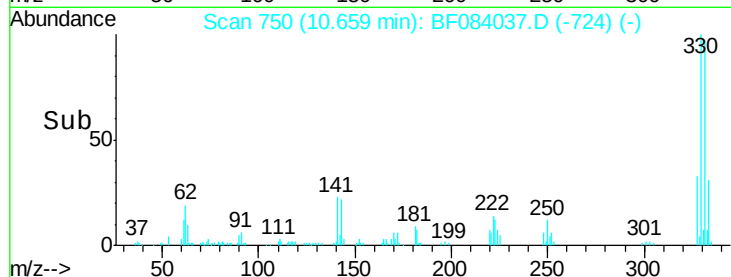
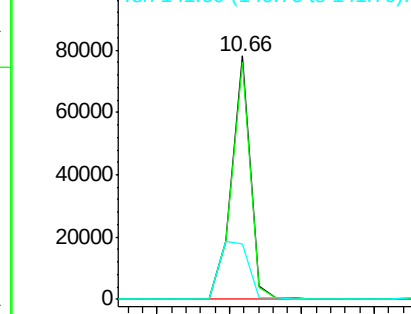
Tot Ion:	330	Resp:	70227
Ion Ratio	Lower	Upper	
330	100		
332	97.2	76.6	114.8
141	36.9	27.8	41.6

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 45.49 ng

RT: 9.18 min Scan# 621

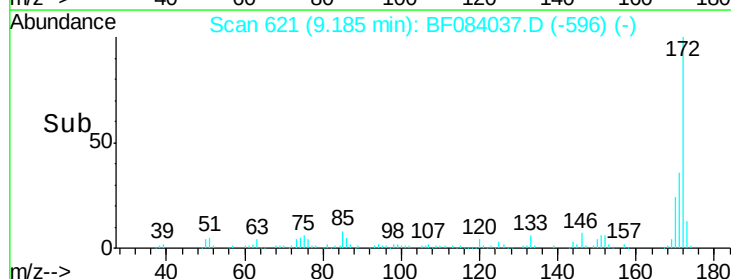
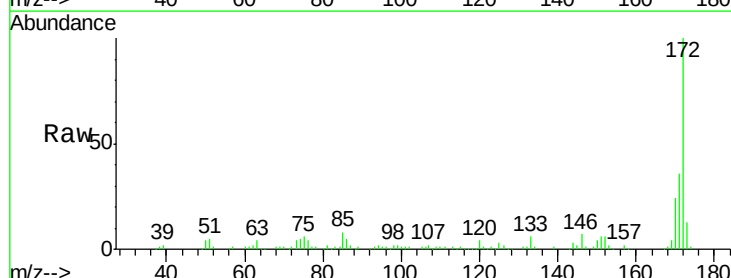
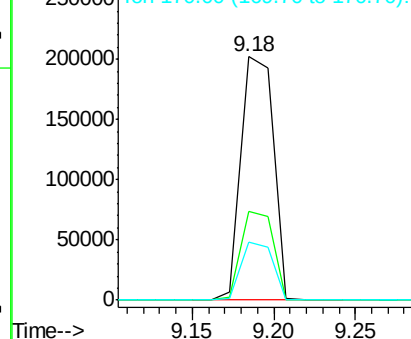
Delta R.T. -0.01 min

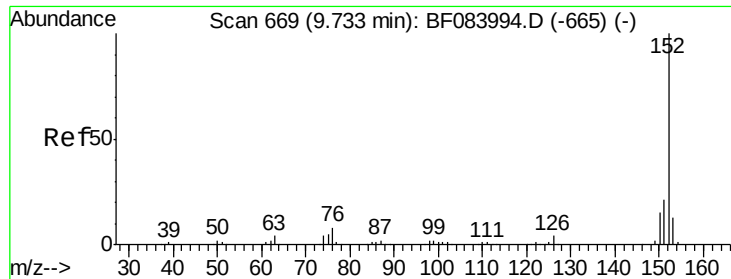
Lab File: BF084037.D

Acq: 23 Dec 2015 14:04

Tgt Ion:	172	Resp:	276767
Ion Ratio	Lower	Upper	
172	100		
171	36.2	28.9	43.3
170	24.1	18.6	27.8

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





#48

Acenaphthylene

Concen: 2.30 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.00 min

Lab File: BF084037.D

Acq: 23 Dec 2015 14:04

Instrument :

BNA_F

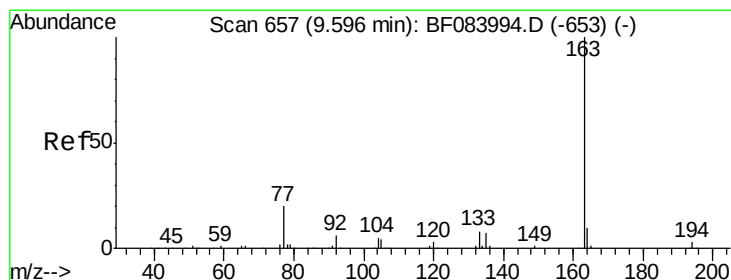
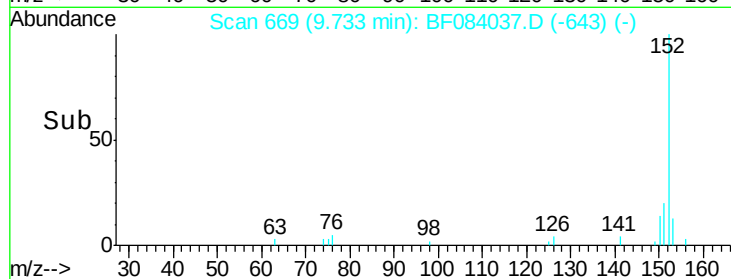
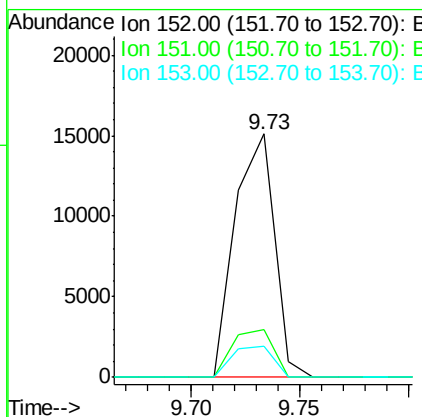
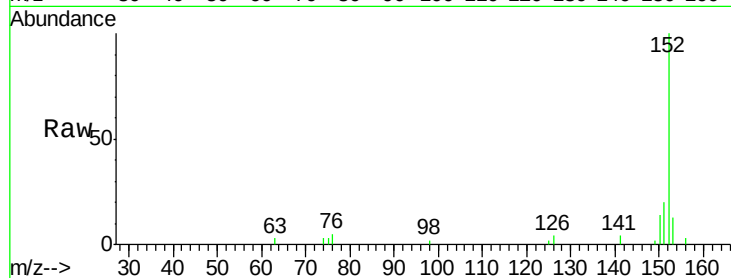
ClientSampleId :

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Tot Ion:	152	Resp:	18978
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.3	24.5
153	12.9	10.4	15.6

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#49

Dimethylphthalate

Concen: 7.44 ng

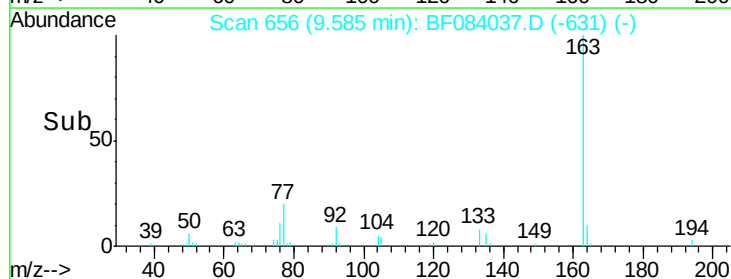
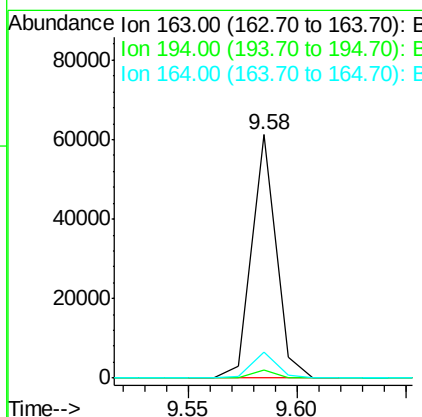
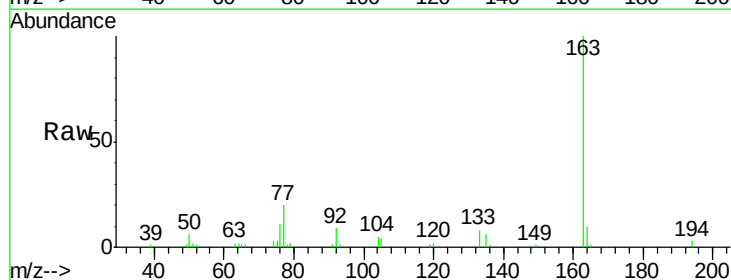
RT: 9.58 min Scan# 656

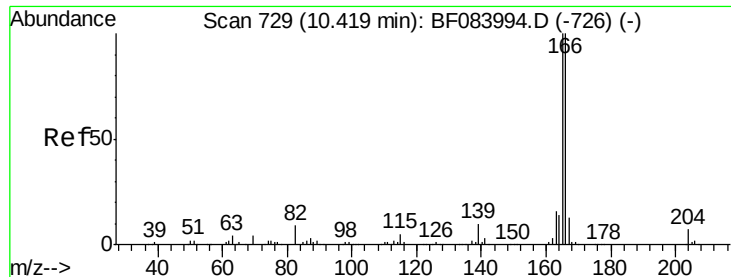
Delta R.T. -0.01 min

Lab File: BF084037.D

Acq: 23 Dec 2015 14:04

Tgt Ion:	163	Resp:	47649
Ion Ratio	Lower	Upper	
163	100		
194	3.1	8.0	12.0#
164	10.4	8.0	12.0





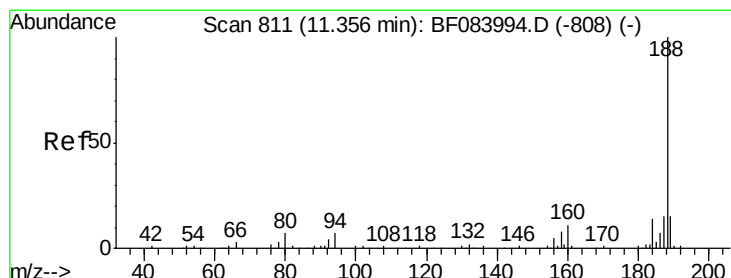
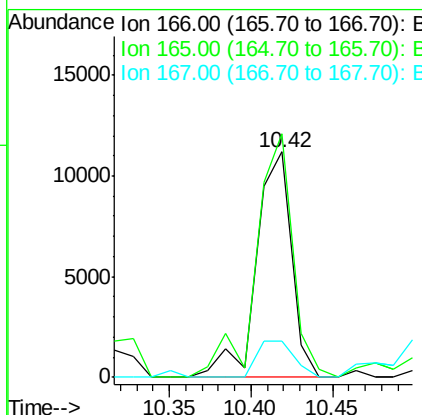
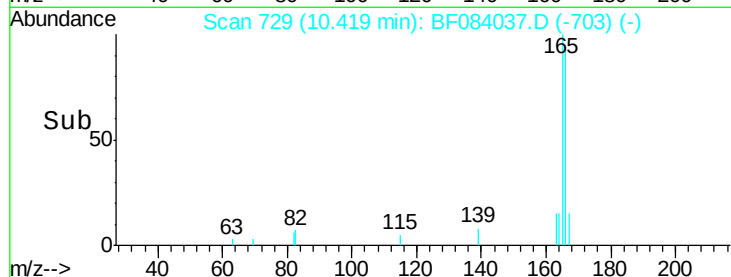
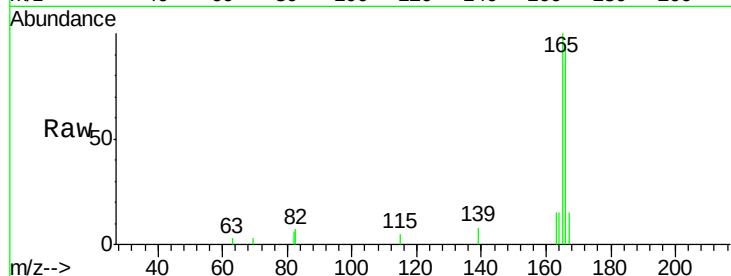
#57
 Fluorene
 Concen: 2.89 ng
 RT: 10.42 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: BF084037.D
 Acq: 23 Dec 2015 14:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-5DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	108.0	79.1	118.7
167	16.4	10.4	15.6#

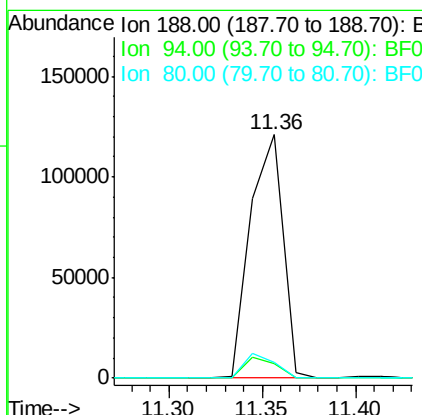
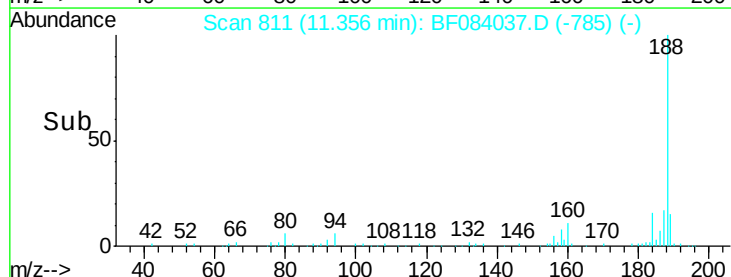
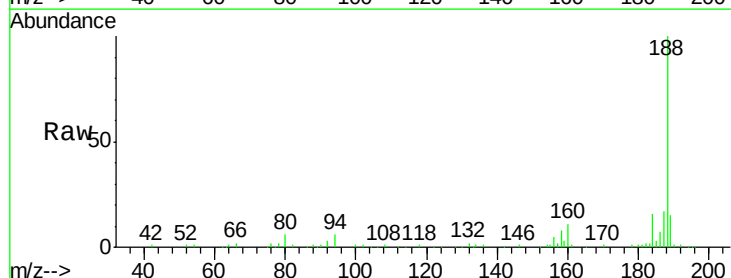
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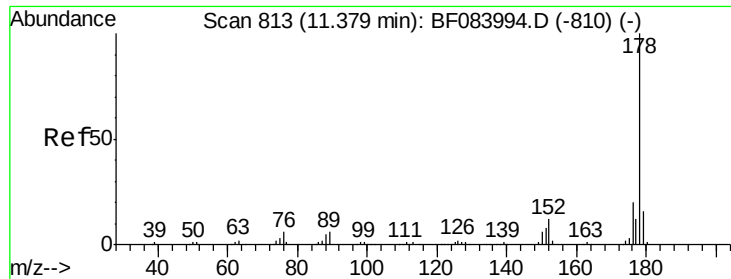
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: BF084037.D
 Acq: 23 Dec 2015 14:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.0	9.0	13.4#
80	6.4	9.6	14.4#





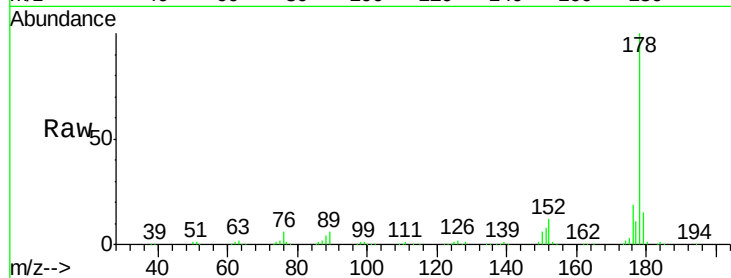
#70
Phenanthrene
Concen: 33.21 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF084037.D
Acq: 23 Dec 2015 14:04

Instrument :
BNA_F
ClientSampleId :
SB-5DL

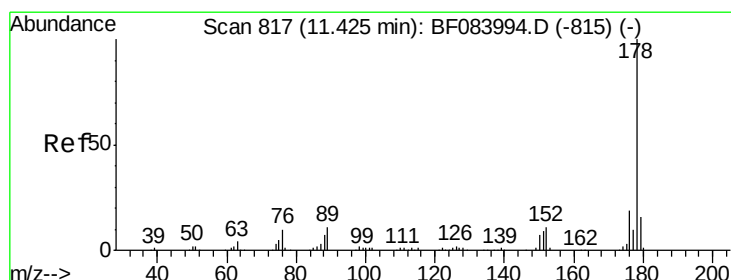
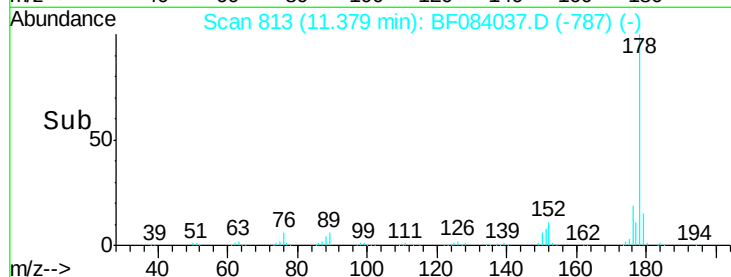
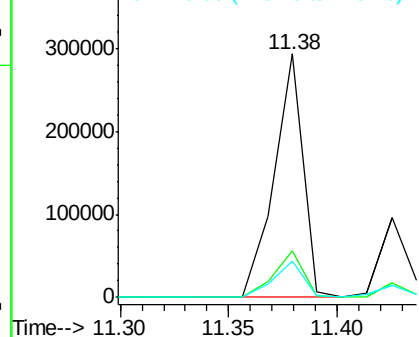
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	14.9	12.0	18.0

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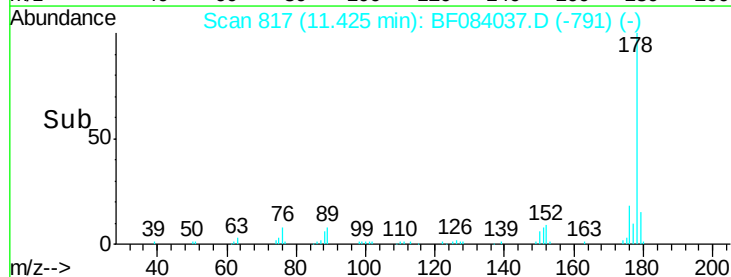
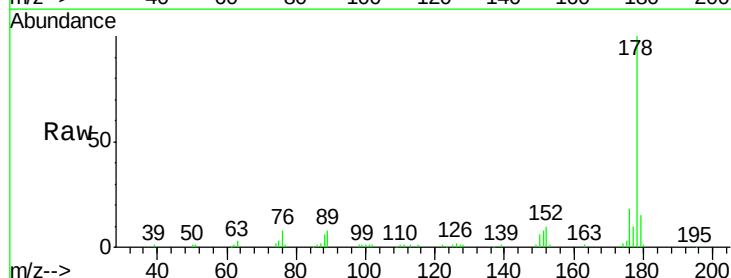
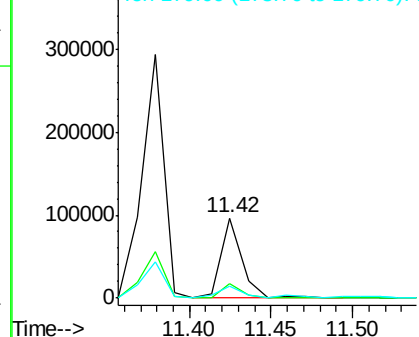
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

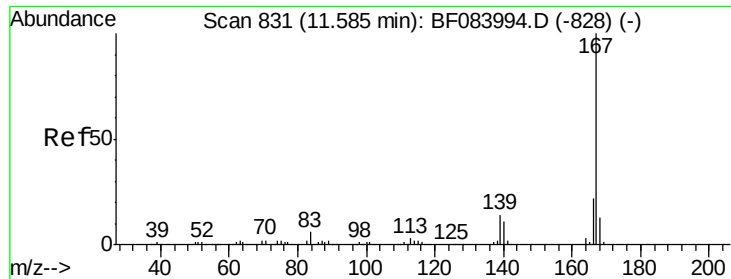


#71
Anthracene
Concen: 10.06 ng
RT: 11.42 min Scan# 817
Delta R.T. -0.00 min
Lab File: BF084037.D
Acq: 23 Dec 2015 14:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.0
179	15.4	12.5	18.7

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





#72

Carbazole

Concen: 2.21 ng

RT: 11.58 min Scan# 831

Delta R.T. -0.00 min

Lab File: BF084037.D

Acq: 23 Dec 2015 14:04

Instrument :

BNA_F

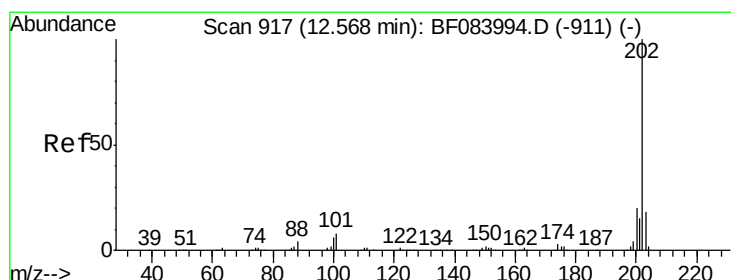
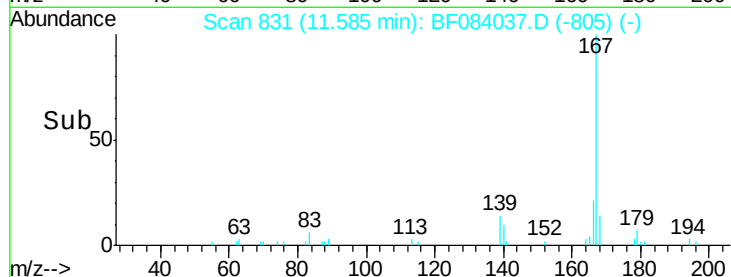
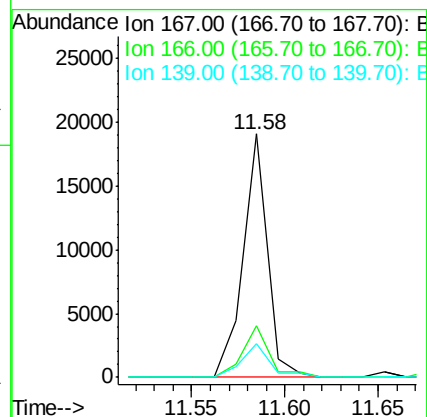
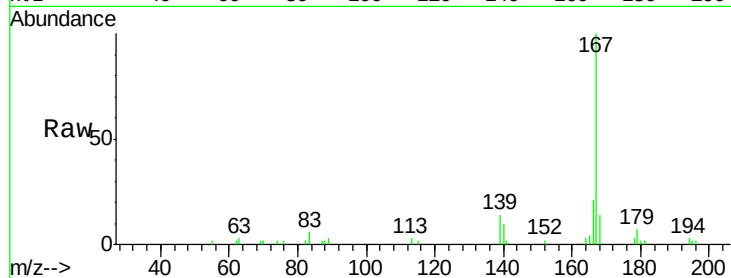
ClientSampleId :

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Tot Ion:	167	Resp:	17391
Ion Ratio	Lower	Upper	
167	100		
166	21.2	17.6	26.4
139	14.1	11.8	17.8



#74

Fluoranthene

Concen: 52.00 ng

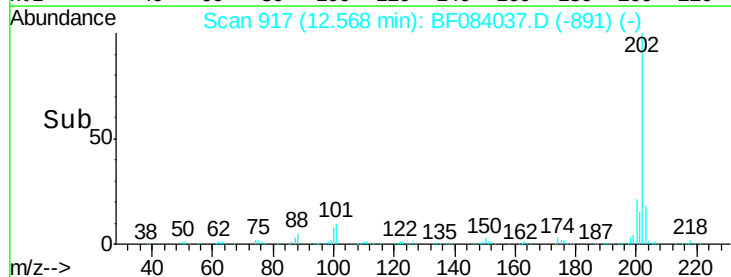
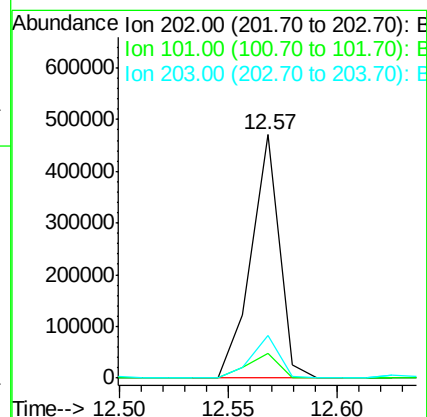
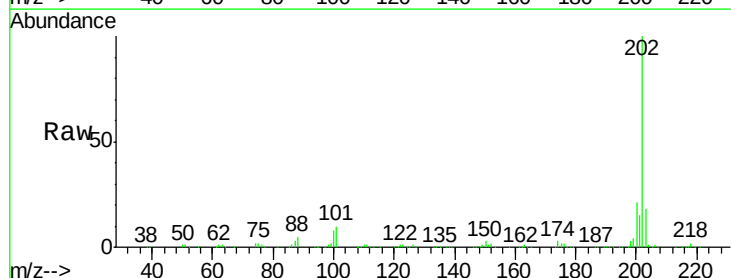
RT: 12.57 min Scan# 917

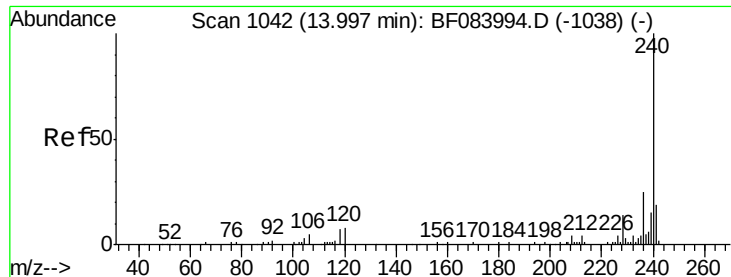
Delta R.T. -0.00 min

Lab File: BF084037.D

Acq: 23 Dec 2015 14:04

Tgt Ion:	202	Resp:	426927
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	32.8
203	17.8	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: BF084037.D

Acq: 23 Dec 2015 14:04

Instrument :

BNA_F

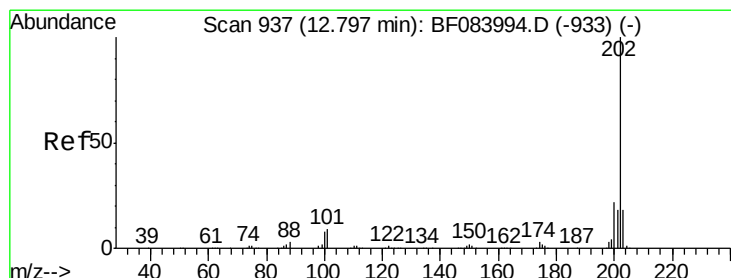
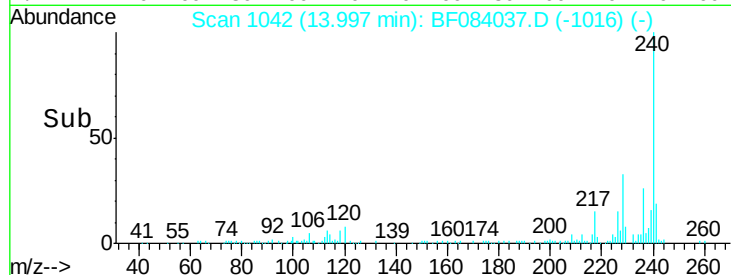
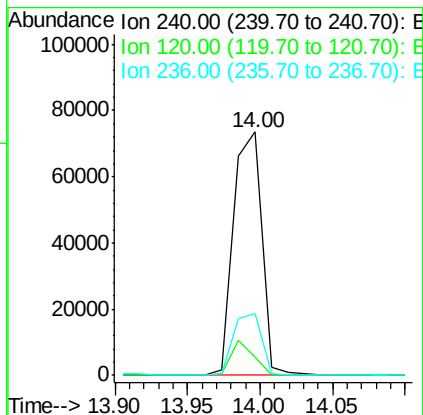
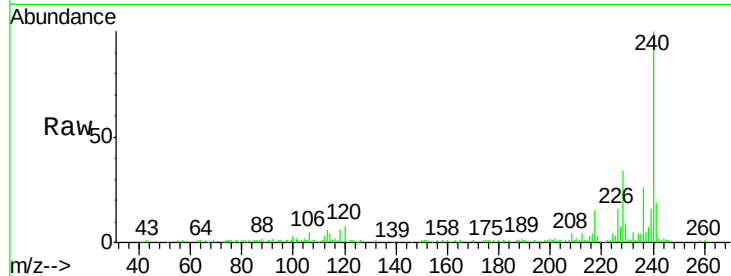
ClientSampleId :

SB-5DL

Tot Ion:	240	Resp:	99514
Ion Ratio	Lower	Upper	
240	100		
120	7.5	9.5	14.3#
236	25.6	20.6	31.0

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#77

Pyrene

Concen: 53.98 ng

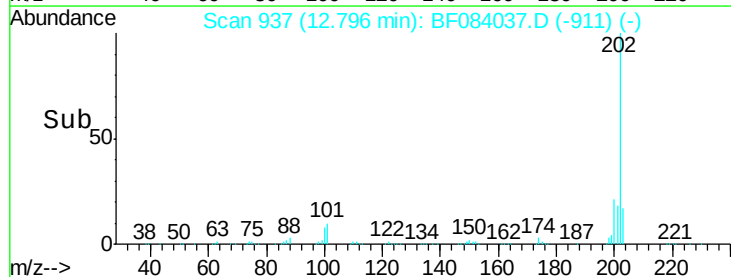
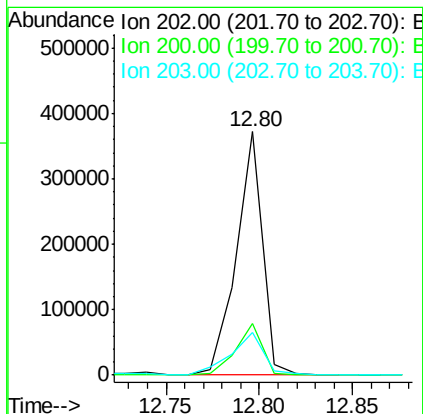
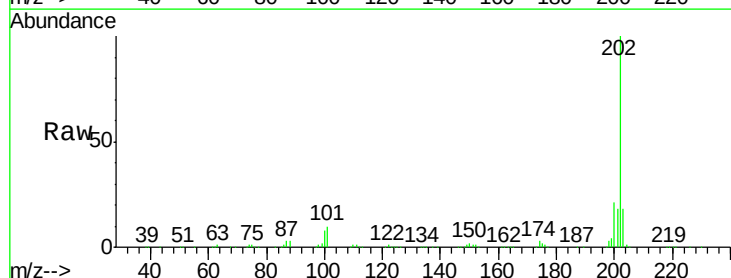
RT: 12.80 min Scan# 937

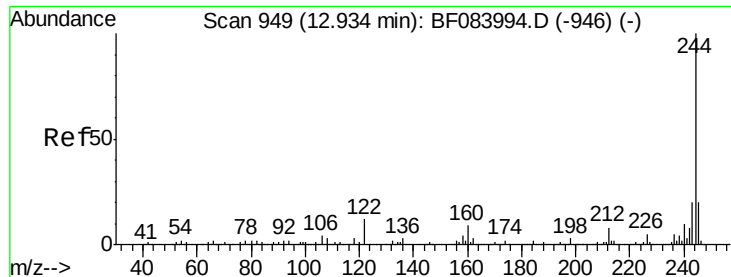
Delta R.T. 0.00 min

Lab File: BF084037.D

Acq: 23 Dec 2015 14:04

Tgt Ion:	202	Resp:	364443
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.2	25.8
203	17.7	14.3	21.5





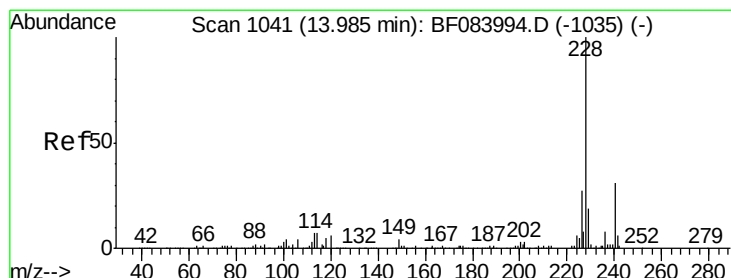
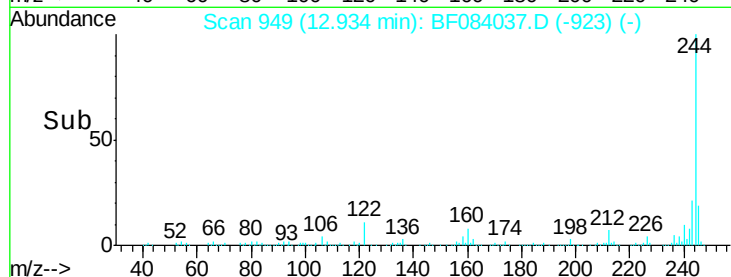
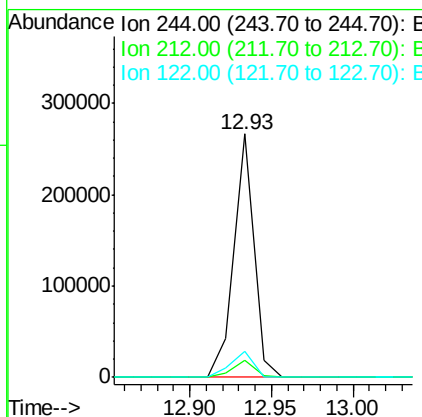
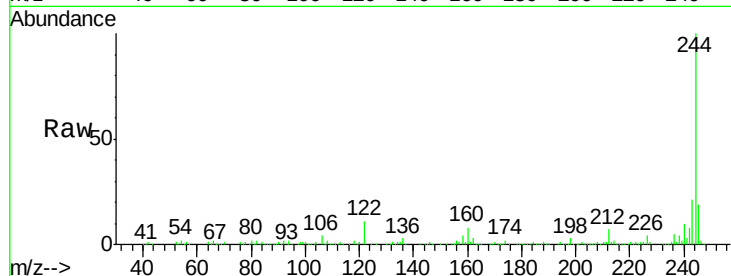
#78
 Terphenyl-d14
 Concen: 54.05 ng
 RT: 12.93 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: BF084037.D
 Acq: 23 Dec 2015 14:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-5DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.7	8.5
122	10.8	7.4	11.0

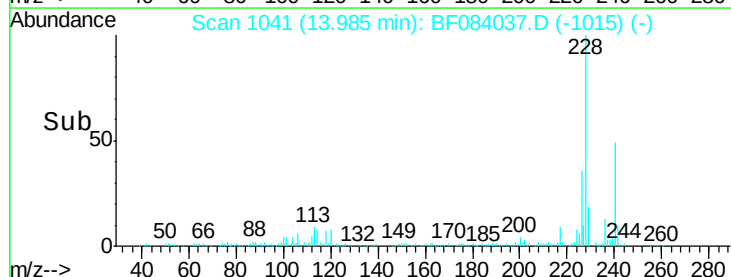
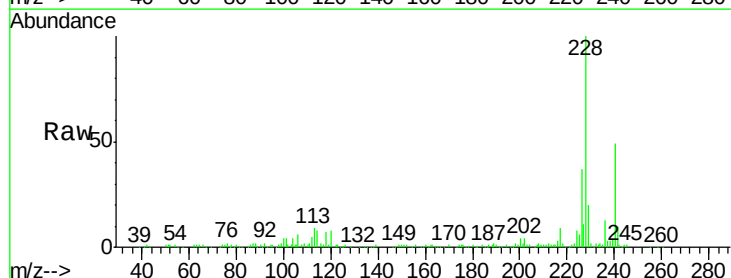
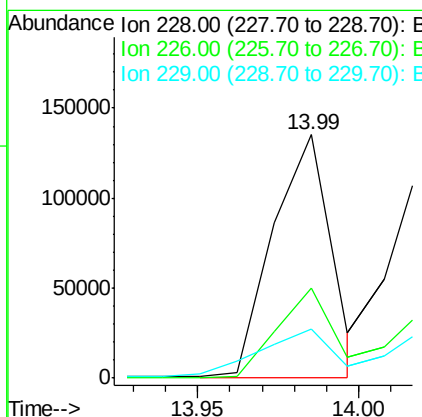
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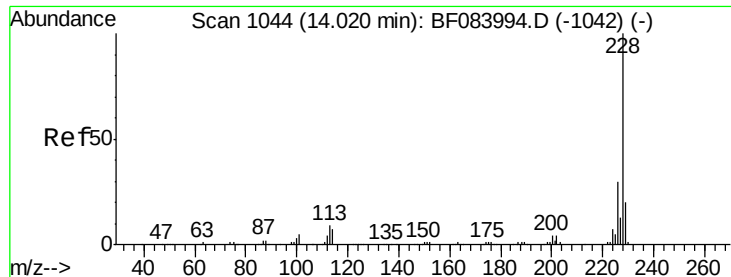
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#80
 Benzo(a)anthracene
 Concen: 29.77 ng m
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BF084037.D
 Acq: 23 Dec 2015 14:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.9	21.8	32.6#
229	20.2	15.8	23.8





#82

Chrysene

Concen: 24.27 ng/mL

RT: 14.02 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BF084037.D

Acq: 23 Dec 2015 14:04

Instrument :

BNA_F

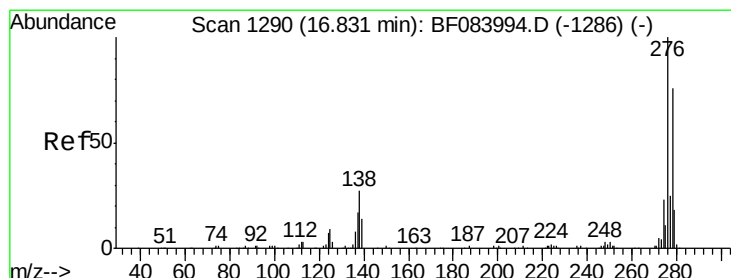
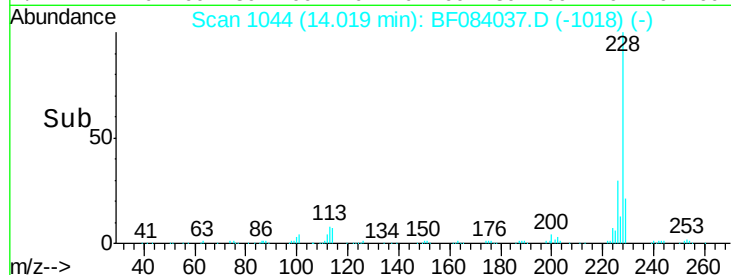
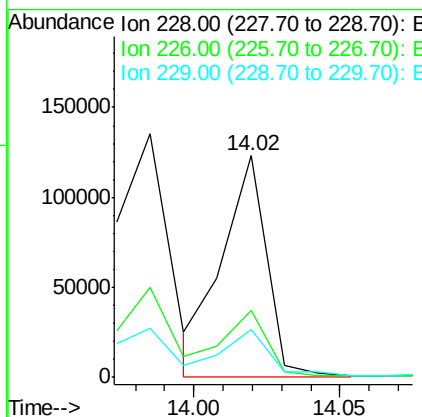
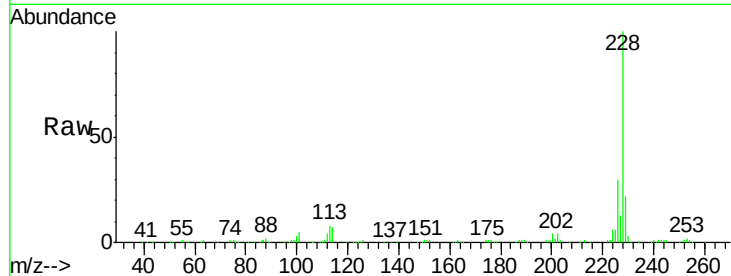
ClientSampleId :

SB-5DL

Tot Ion:	228	Resp:	129311
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.3	36.5
229	21.6	16.1	24.1

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#85

Indeno(1,2,3-cd)pyrene

Concen: 15.12 ng/mL

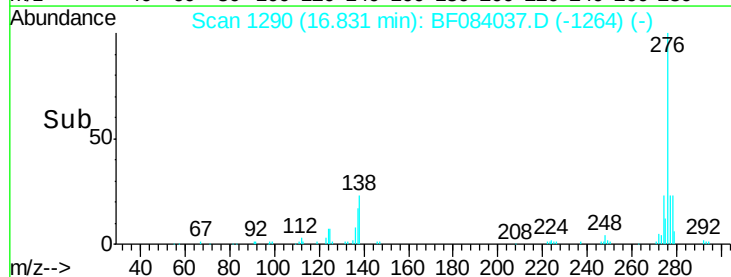
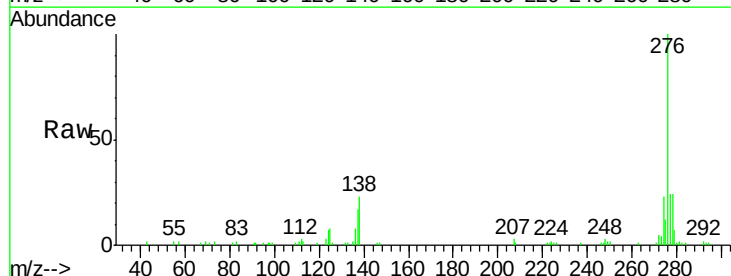
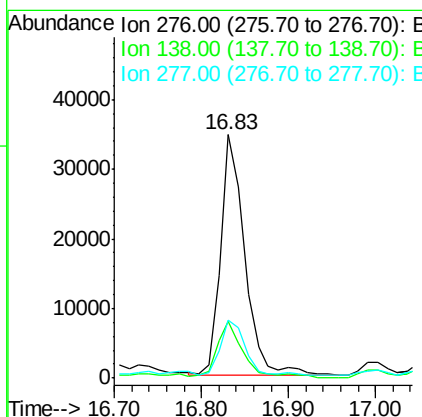
RT: 16.83 min Scan# 1290

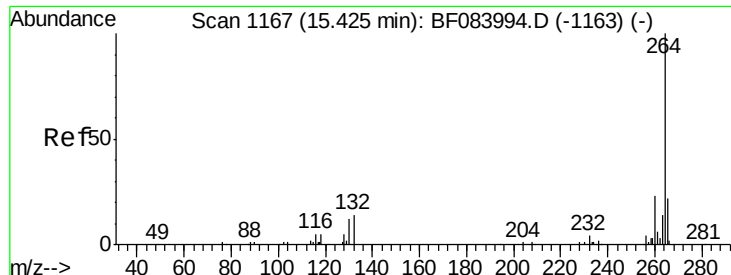
Delta R.T. -0.00 min

Lab File: BF084037.D

Acq: 23 Dec 2015 14:04

Tgt Ion:	276	Resp:	66628
Ion Ratio	Lower	Upper	
276	100		
138	22.0	20.6	30.8
277	22.3	20.1	30.1





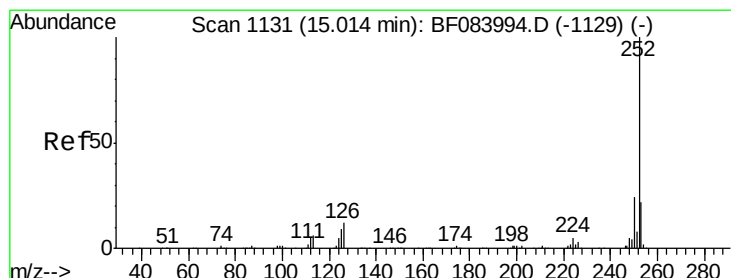
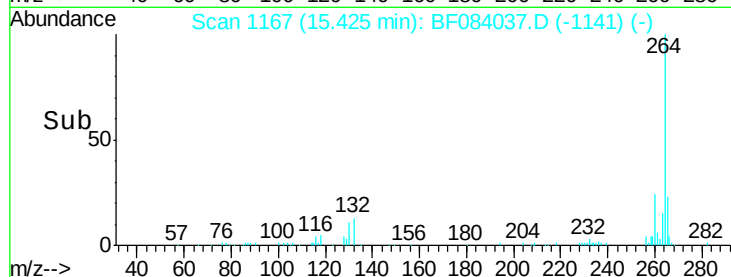
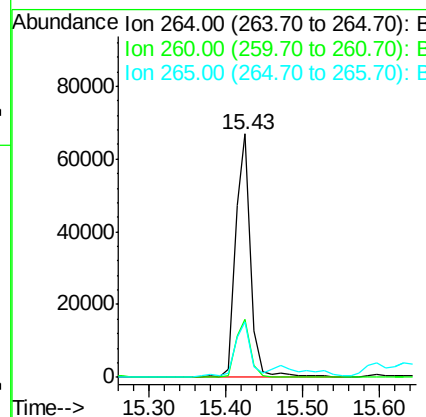
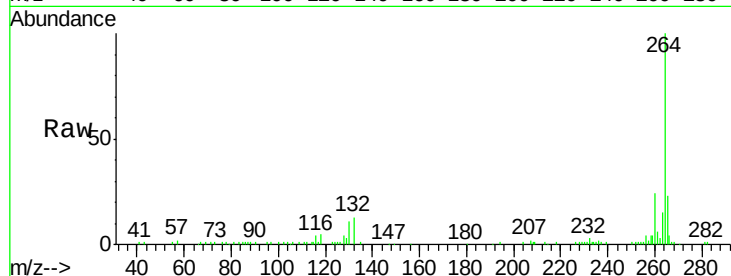
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.00 min
Lab File: BF084037.D
Acq: 23 Dec 2015 14:04

Instrument :
BNA_F
ClientSampleId :
SB-5DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	23.0	17.8	26.6

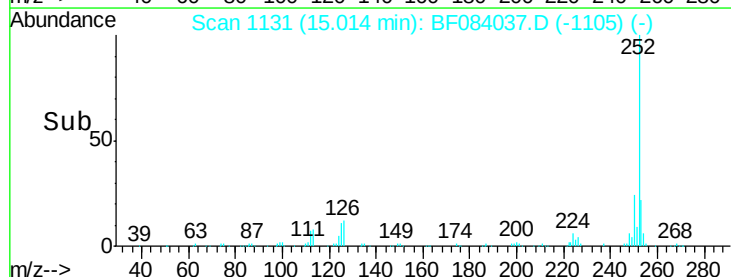
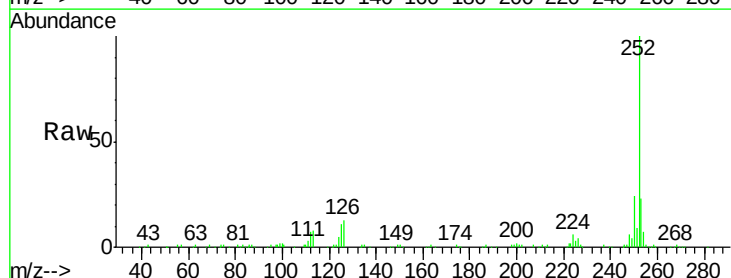
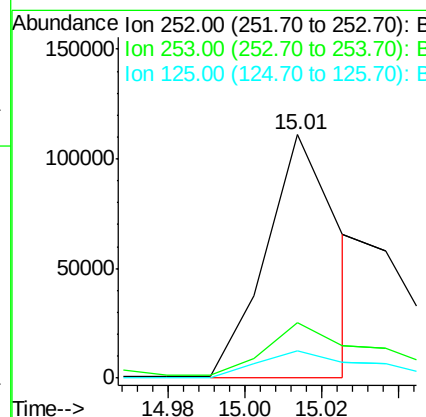
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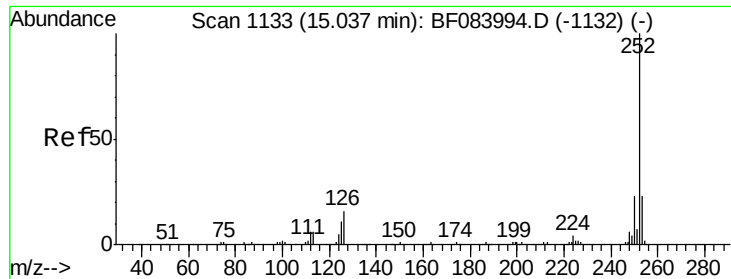
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#87
Benzo(b)fluoranthene
Concen: 24.97 ng m
RT: 15.01 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BF084037.D
Acq: 23 Dec 2015 14:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	11.5	6.5	9.7#





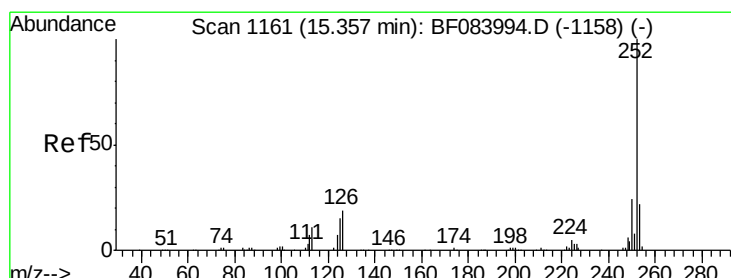
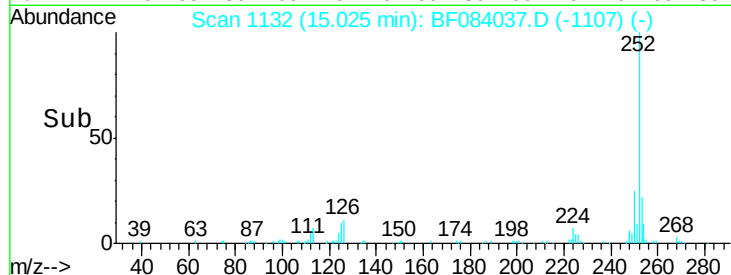
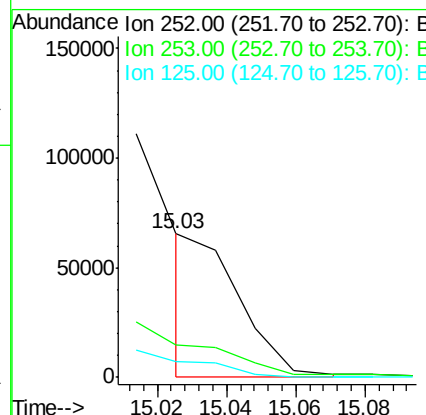
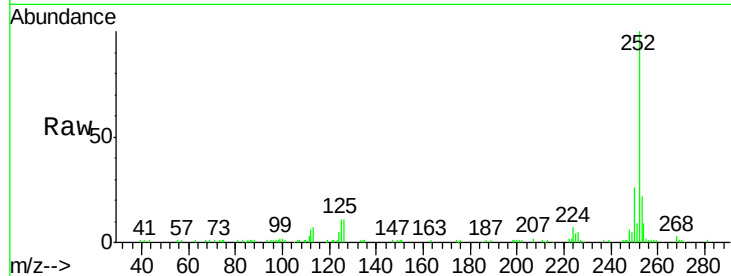
#88
Benzo(k)fluoranthene
Concen: 10.42 ng/mL
RT: 15.03 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF084037.D
Acq: 23 Dec 2015 14:04

Instrument :
BNA_F
ClientSampleID :
SB-5DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	11.0	9.0	13.6

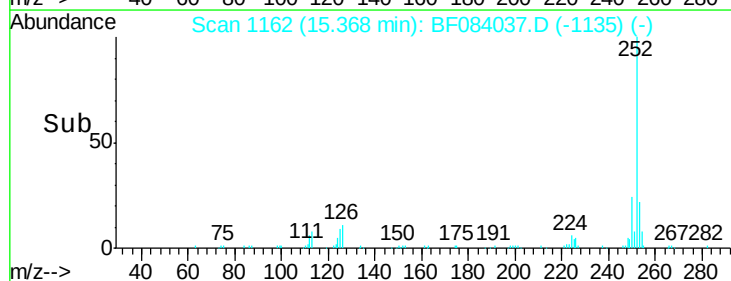
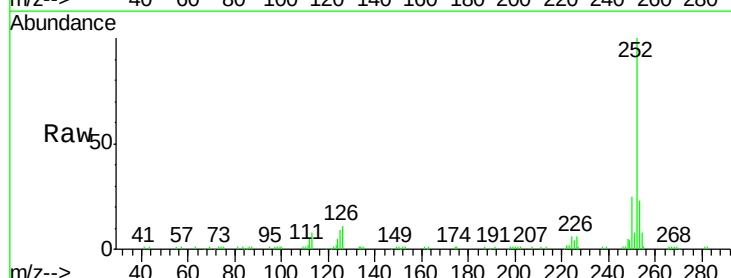
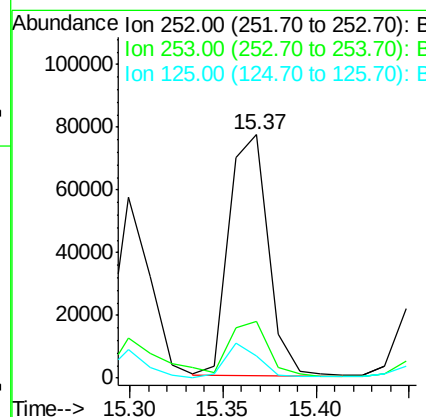
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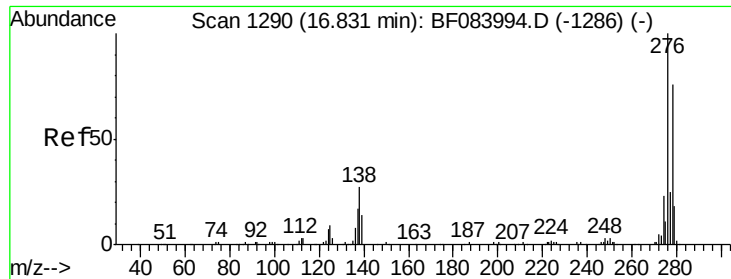
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#89
Benzo(a)pyrene
Concen: 20.75 ng/mL
RT: 15.37 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BF084037.D
Acq: 23 Dec 2015 14:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.3	25.9
125	9.1	7.0	10.4





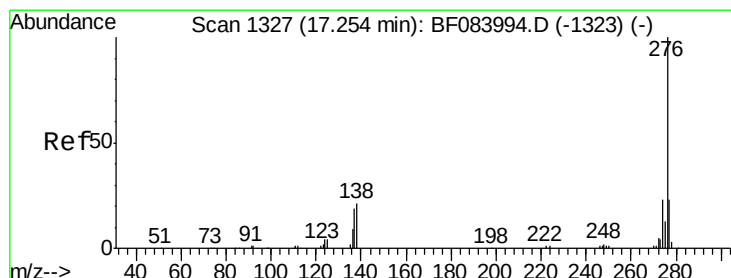
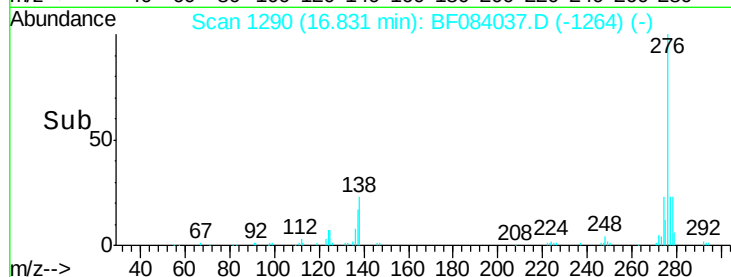
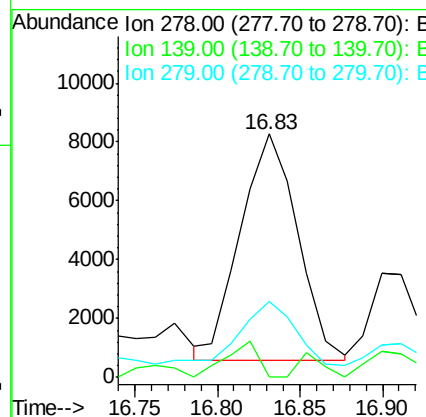
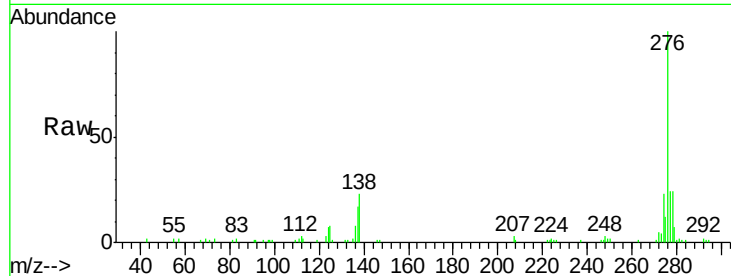
#90
Dibenzo(a,h)anthracene
Concen: 4.10 ng/mL
RT: 16.83 min Scan# 1290
Delta R.T. -0.00 min
Lab File: BF084037.D
Acq: 23 Dec 2015 14:04

Instrument :
BNA_F
ClientSampleID :
SB-5DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.0	22.4#
279	31.1	18.9	28.3#

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#91
Benzo(g,h,i)perylene
Concen: 13.37 ng/mL
RT: 17.27 min Scan# 1328
Delta R.T. 0.01 min
Lab File: BF084037.D
Acq: 23 Dec 2015 14:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.8	28.2
138	22.2	17.8	26.6

