

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
 Data File : BF084135.D
 Acq On : 25 Dec 2015 18:18
 Operator : UM/SJ
 Sample : G4957-02
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP001

Manual Integrations
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Quant Time: Dec 26 04:18:52 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 24 16:48:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	53018	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	199169	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	96457	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	168651	20.00	ng	0.00
75) Chrysene-d12	13.95	240	113109	20.00	ng	-0.01
86) Perylene-d12	15.38	264	101485	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	454321	145.28	ng	0.01
7) Phenol-d6	6.45	99	488714	126.30	ng	0.00
23) Nitrobenzene-d5	7.37	82	350411	102.98	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	130044	126.43	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	650879	92.33	ng	0.00
78) Terphenyl-d14	12.90	244	465832	74.52	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.10	128	121643	11.48	ng	99
37) 2-Methylnaphthalene	8.80	142	38894	5.86	ng	97
49) Dimethylphthalate	9.55	163	99305	12.43	ng	# 90
51) Acenaphthene	9.87	154	72392	11.44	ng	98
54) Dibenzofuran	10.04	168	97954	11.26	ng	97
57) Fluorene	10.38	166	104203	14.09	ng	99
70) Phenanthrene	11.34	178	643745	64.39	ng	98
71) Anthracene	11.39	178	189562	18.13	ng	99
72) Carbazole	11.55	167	84305	9.48	ng	99
74) Fluoranthene	12.53	202	480125	46.95	ng	96
77) Pyrene	12.76	202	359264	36.82	ng	99
80) Benzo(a)anthracene	13.95	228	133977	19.26	ng	99
82) Chrysene	13.99	228	99069m	15.44	ng	
85) Indeno(1,2,3-cd)pyrene	16.77	276	45517	7.08	ng	96
87) Benzo(b)fluoranthene	14.98	252	103624m	13.75	ng	
88) Benzo(k)fluoranthene	15.00	252	37025m	7.25	ng	
89) Benzo(a)pyrene	15.32	252	70696	11.39	ng	98
91) Benzo(g,h,i)perylene	17.20	276	39980	6.46	ng	98

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

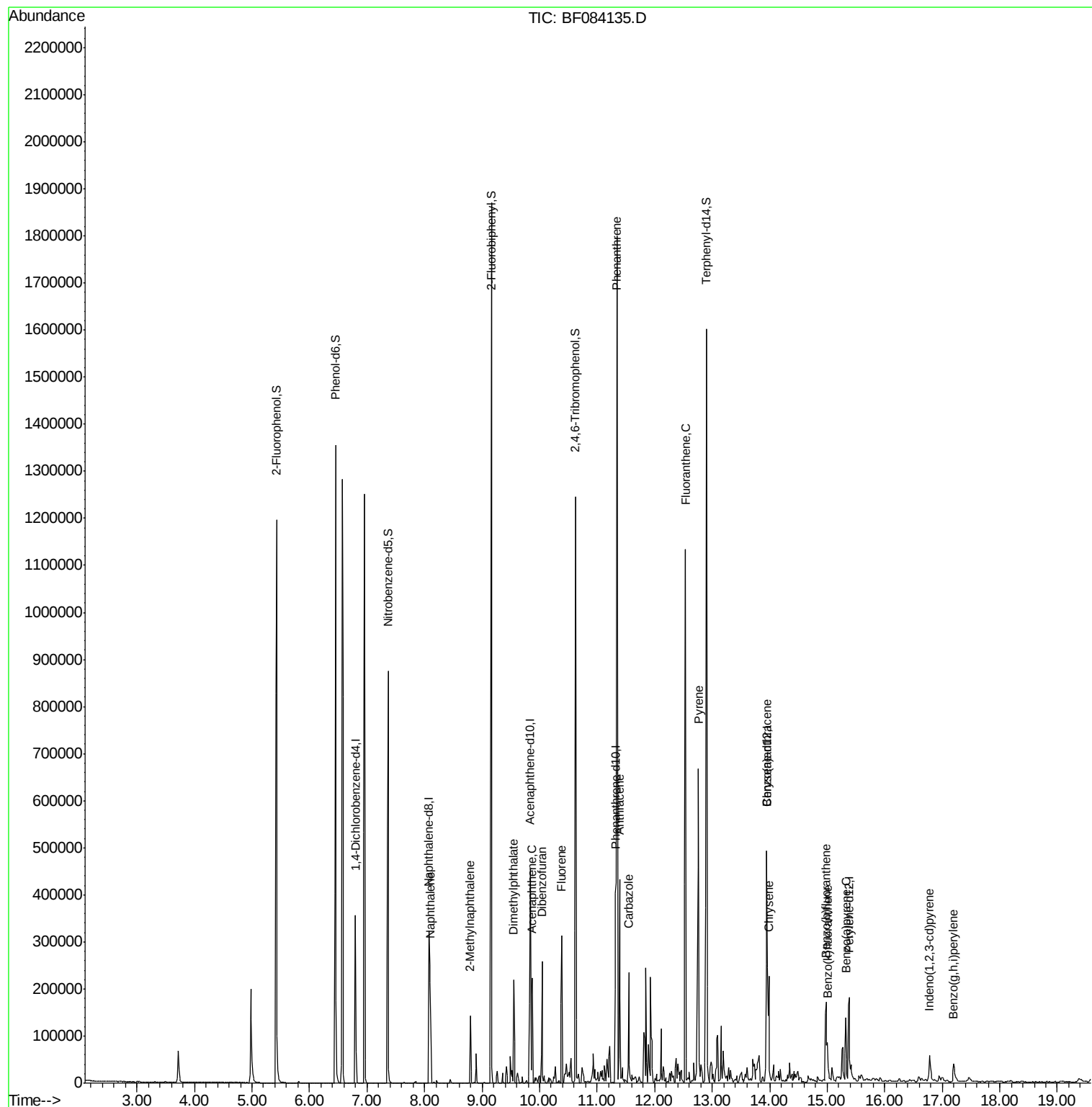
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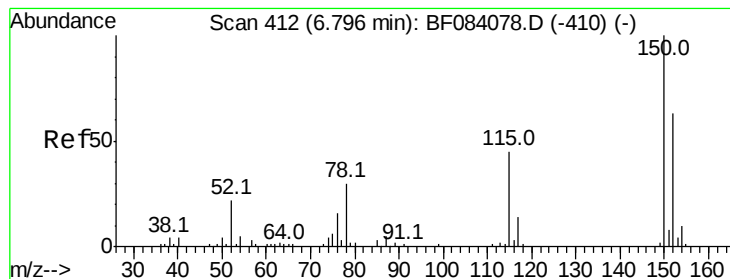
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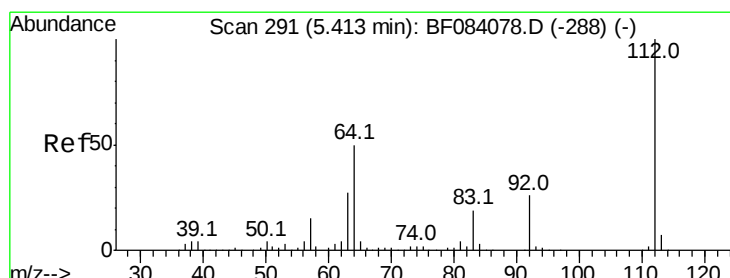
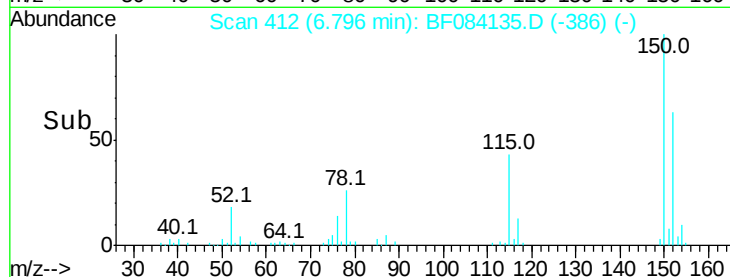
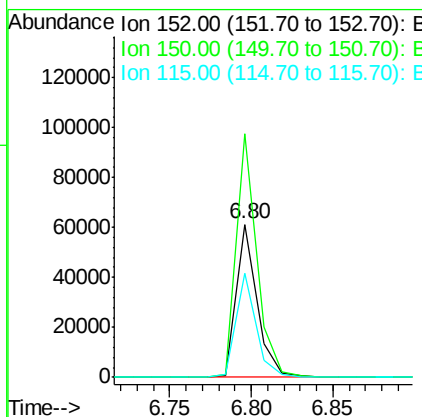
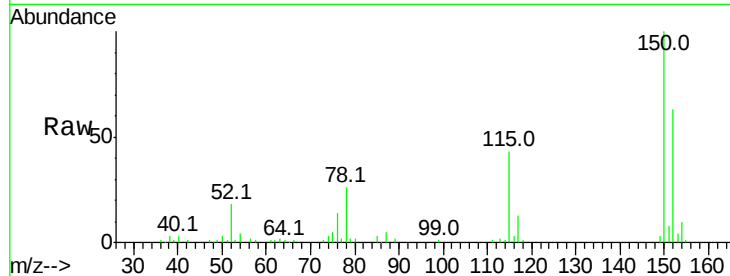
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 412
 Delta R.T. 0.00 min
 Lab File: BF084135.D
 Acq: 25 Dec 2015 18:18

Instrument :
 BNA_F
 ClientSampleId :
 DUP001

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	123.0	184.4
115	67.5	51.4	77.2

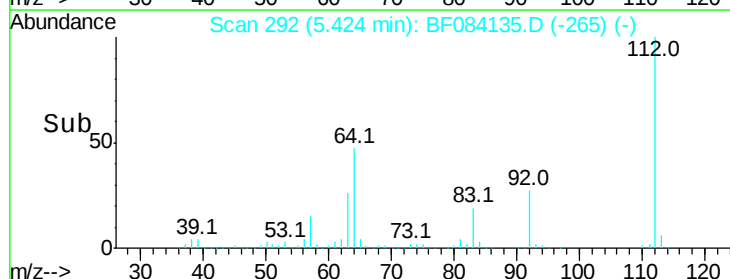
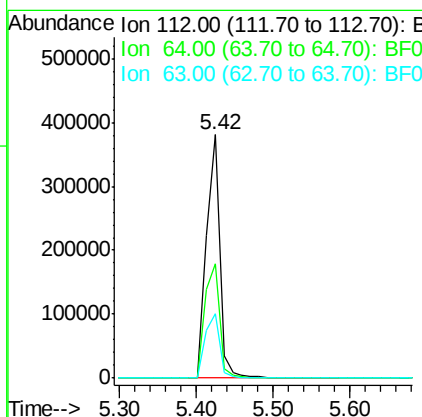
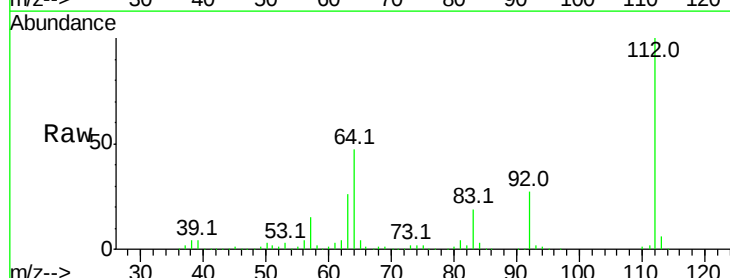
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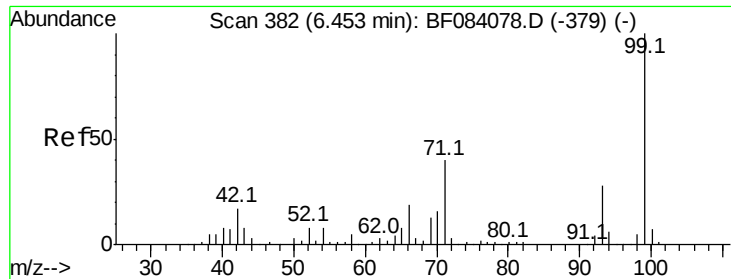
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#5
 2-Fluorophenol
 Concen: 145.28 ng
 RT: 5.42 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: BF084135.D
 Acq: 25 Dec 2015 18:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.9	36.6	55.0
63	26.3	19.4	29.0





#7

Phenol-d6

Concen: 126.30 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.00 min

Lab File: BF084135.D

Acq: 25 Dec 2015 18:18

Instrument :

BNA_F

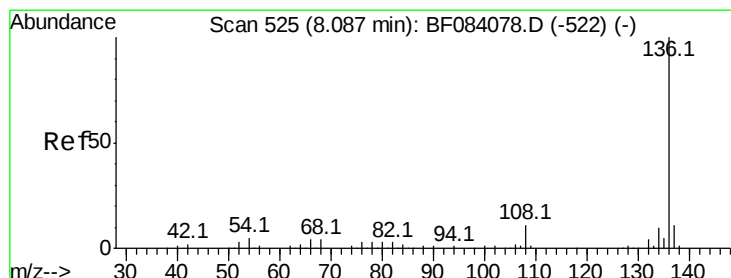
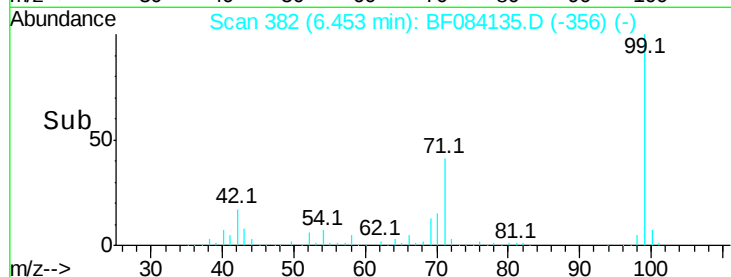
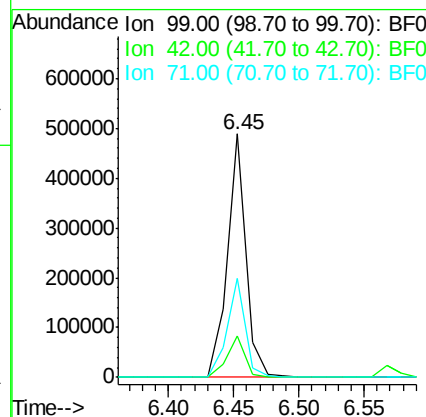
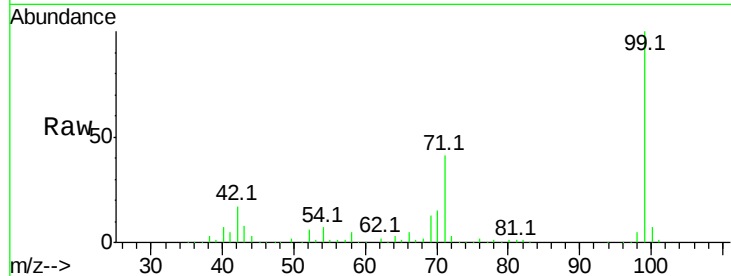
ClientSampled :

DUP001

Tot Ion:	99	Resp:	488714
Ion Ratio	Lower	Upper	
99	100		
42	16.9	12.8	19.2
71	40.6	30.9	46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

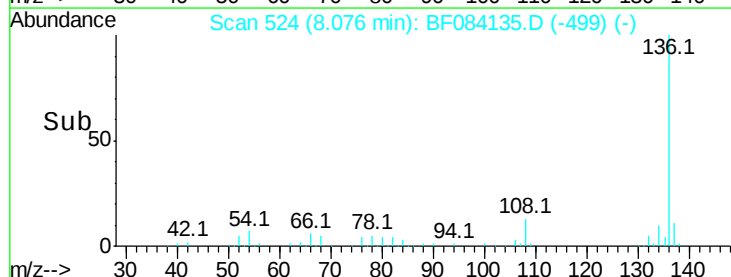
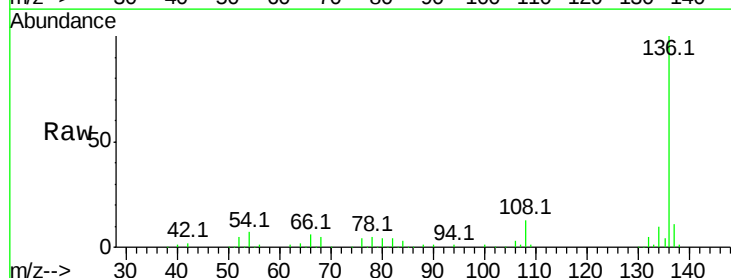
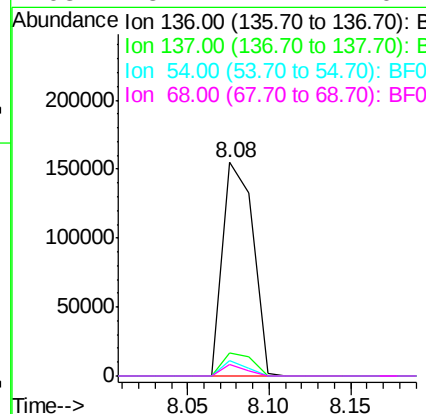
RT: 8.08 min Scan# 524

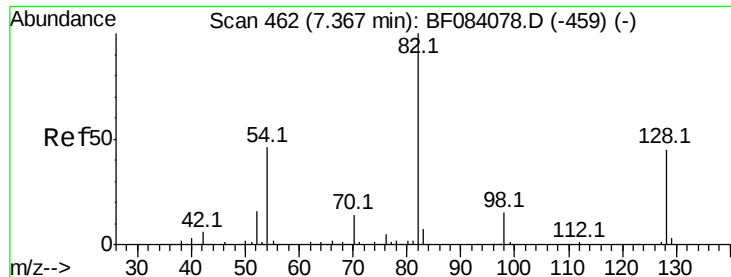
Delta R.T. -0.01 min

Lab File: BF084135.D

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Tgt Ion:	136	Resp:	199169
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.7	13.1
54	7.2	5.8	8.8
68	5.4	4.2	6.2





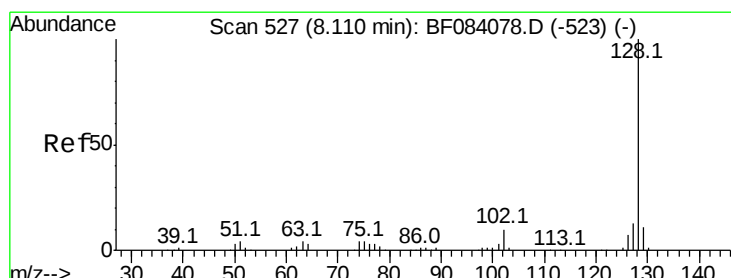
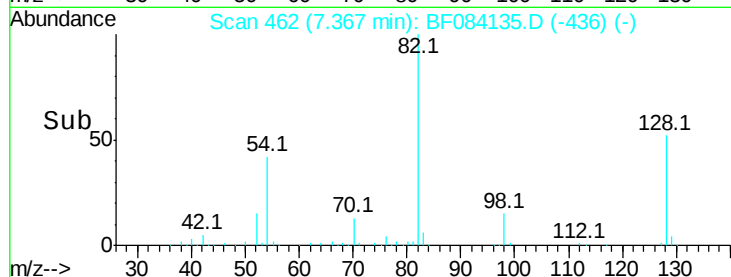
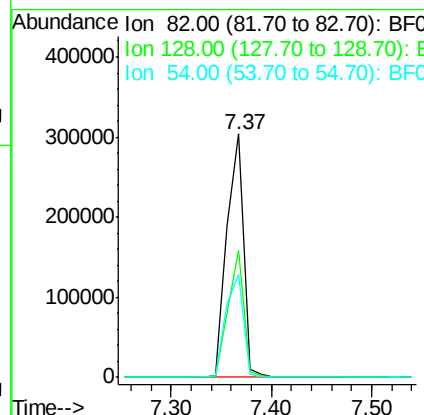
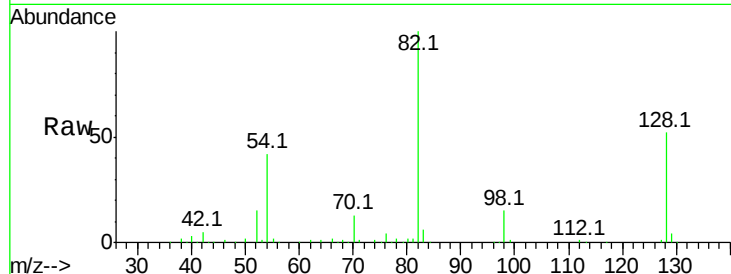
#23
Nitrobenzene-d5
Concen: 102.98 ng
RT: 7.37 min Scan# 462
Delta R.T. 0.00 min
Lab File: BF084135.D
Acq: 25 Dec 2015 18:18

Instrument :
BNA_F
ClientSampleId :
DUP001

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	52.2	34.6	51.8#	
54	42.0	38.4	57.6	

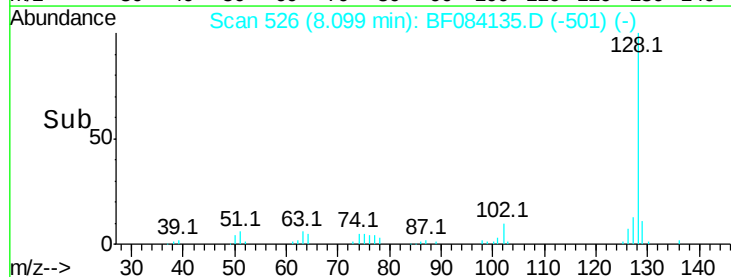
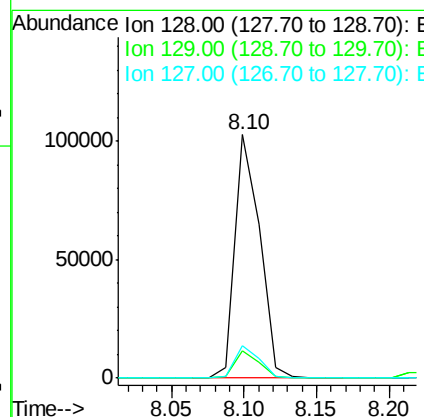
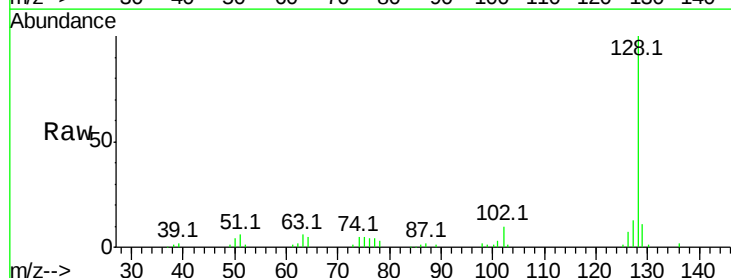
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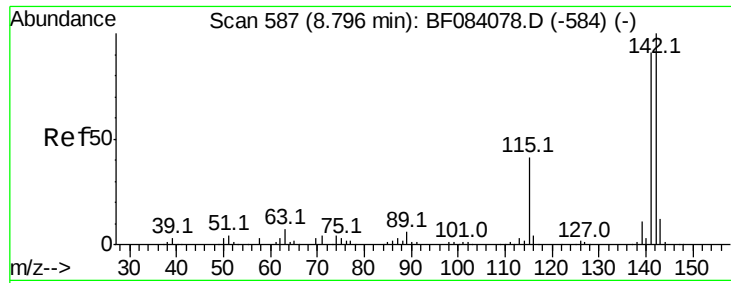
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#31
Naphthalene
Concen: 11.48 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.01 min
Lab File: BF084135.D
Acq: 25 Dec 2015 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.1	9.1	13.7	
127	13.4	11.1	16.7	





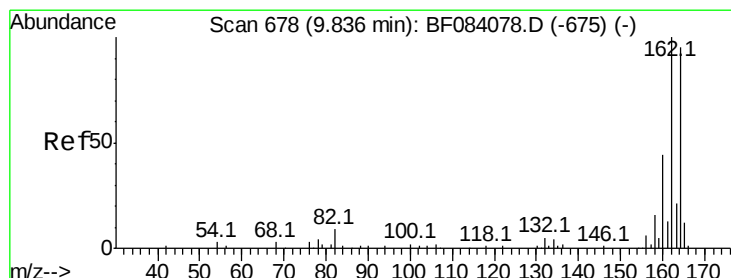
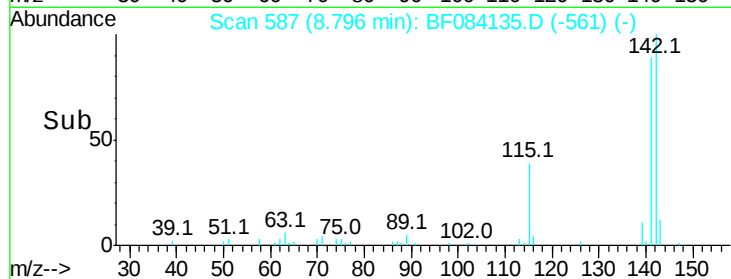
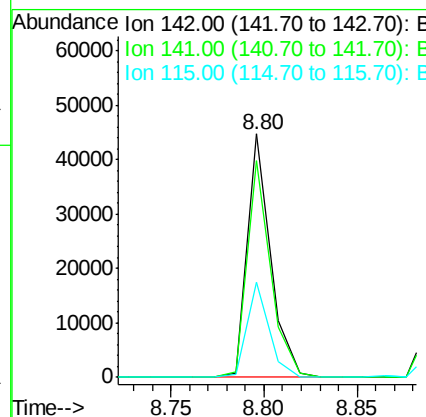
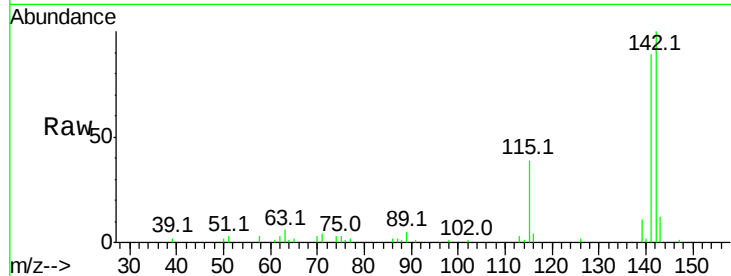
#37
2-Methylnaphthalene
Concen: 5.86 ng
RT: 8.80 min Scan# 587
Delta R.T. 0.00 min
Lab File: BF084135.D
Acq: 25 Dec 2015 18:18

Instrument :
BNA_F
ClientSampleId :
DUP001

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	72.4	108.6
115	39.2	27.9	41.9

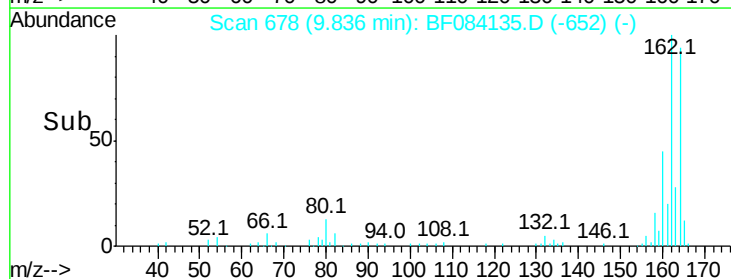
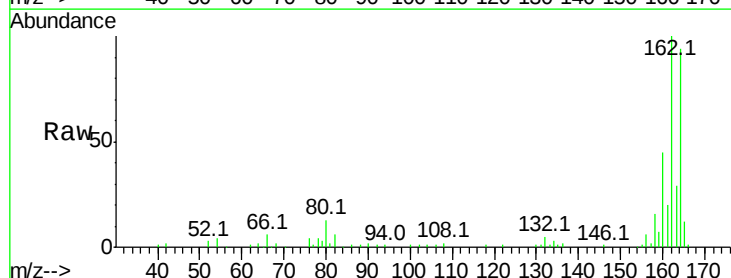
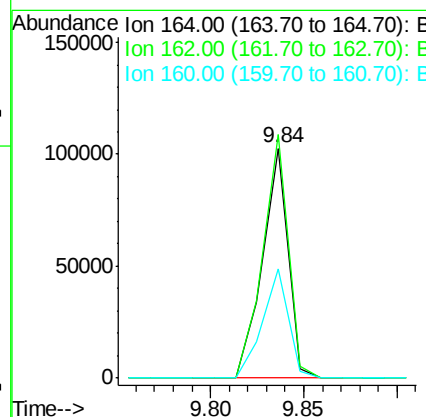
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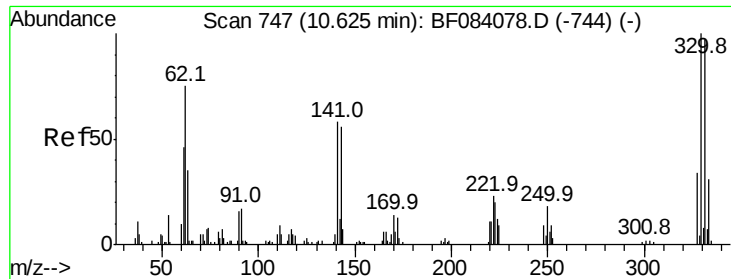
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 678
Delta R.T. 0.00 min
Lab File: BF084135.D
Acq: 25 Dec 2015 18:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.9	85.1	127.7
160	47.6	37.5	56.3





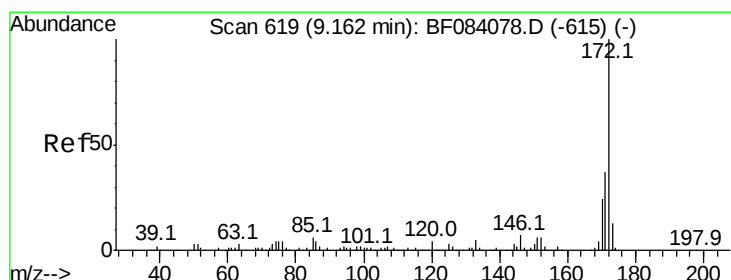
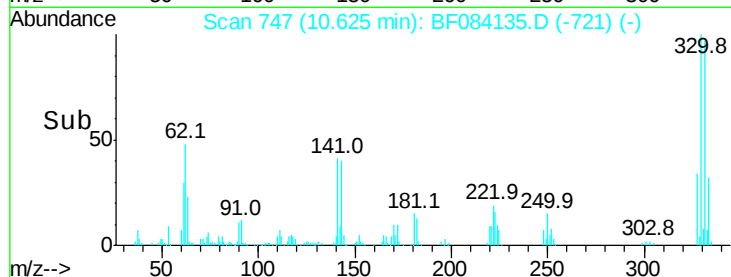
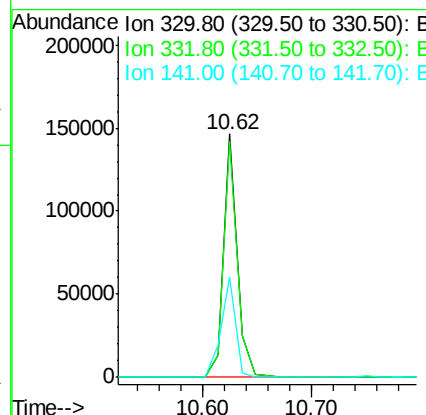
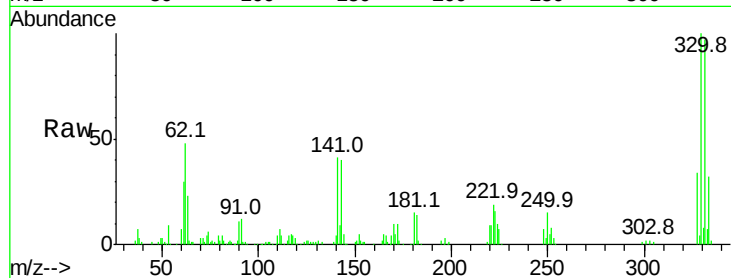
#41
 2,4,6-Tribromophenol
 Concen: 126.43 ng
 RT: 10.62 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF084135.D
 Acq: 25 Dec 2015 18:18

Instrument :
 BNA_F
 ClientSampleId :
 DUP001

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.6	76.6	114.8	
141	44.1	27.8	41.6	

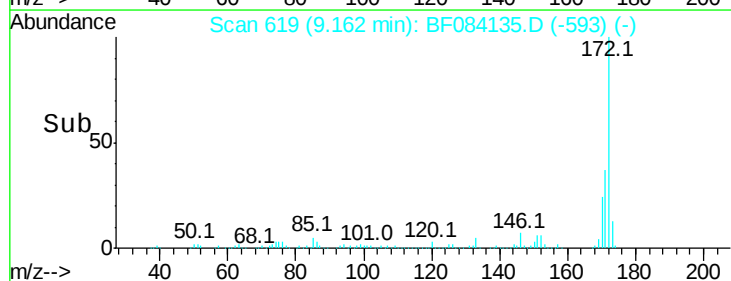
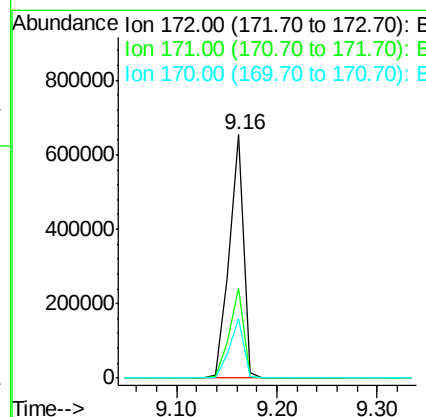
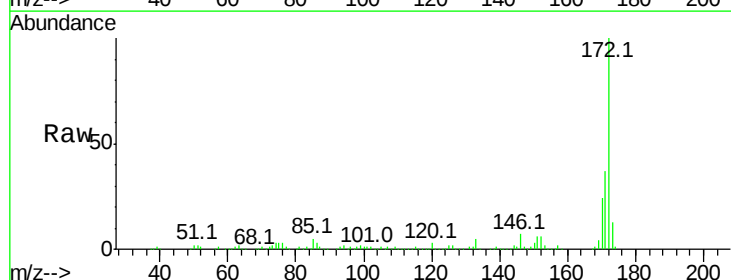
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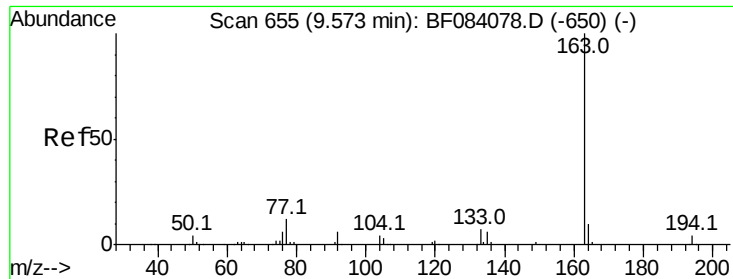
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#44
 2-Fluorobiphenyl
 Concen: 92.33 ng
 RT: 9.16 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: BF084135.D
 Acq: 25 Dec 2015 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	37.0	28.9	43.3	
170	24.2	18.6	27.8	





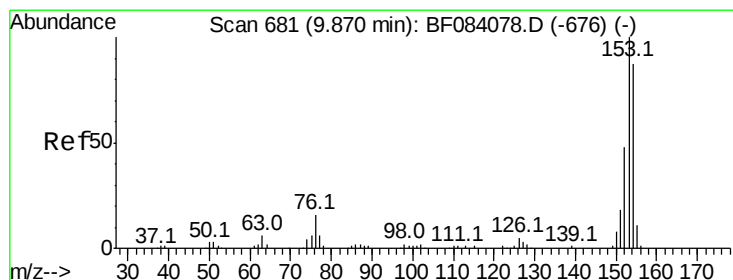
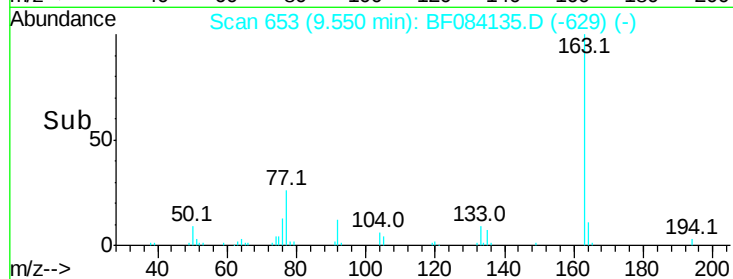
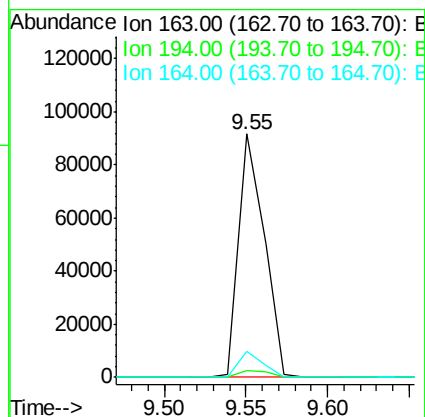
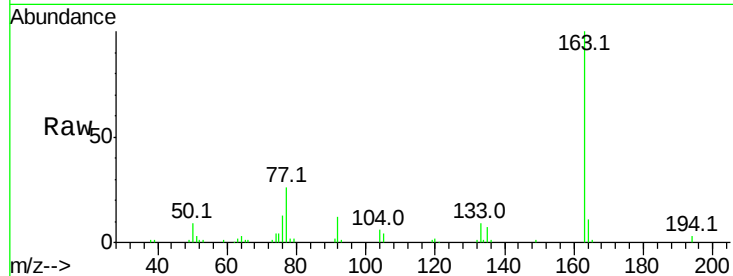
#49
Dimethylphthalate
Concen: 12.43 ng
RT: 9.55 min Scan# 653
Delta R.T. -0.02 min
Lab File: BF084135.D
Acq: 25 Dec 2015 18:18

Instrument :
BNA_F
ClientSampleId :
DUP001

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.0	8.0	12.0#
164	10.7	8.0	12.0

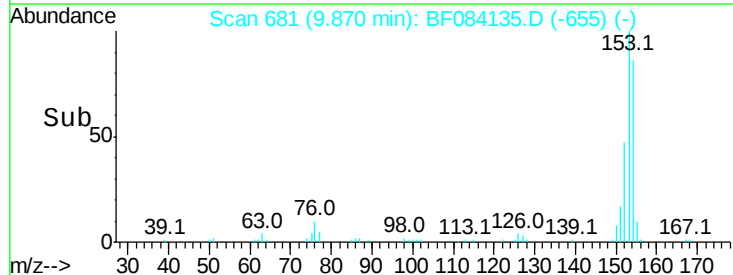
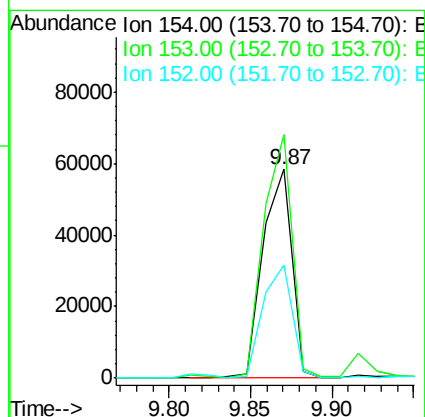
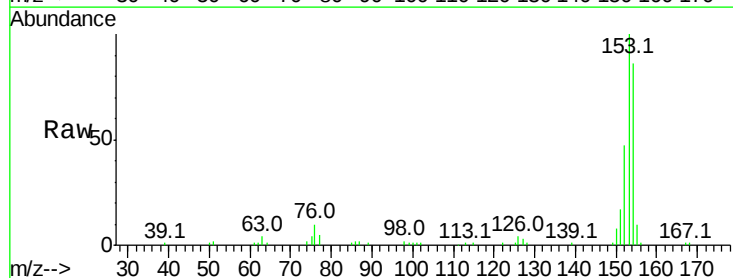
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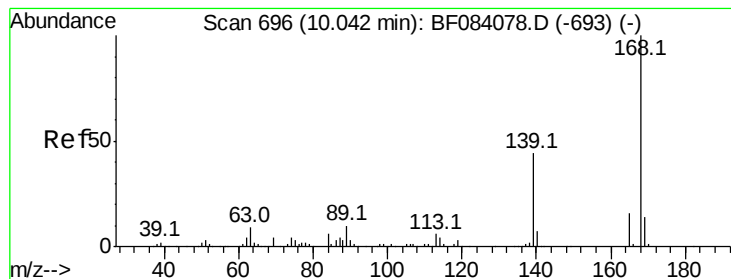
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#51
Acenaphthene
Concen: 11.44 ng
RT: 9.87 min Scan# 681
Delta R.T. 0.00 min
Lab File: BF084135.D
Acq: 25 Dec 2015 18:18

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	116.7	91.5	137.3
152	54.4	43.0	64.6





#54

Dibenzenofuran

Concen: 11.26 ng

RT: 10.04 min Scan# 696

Delta R.T. 0.00 min

Lab File: BF084135.D

Acq: 25 Dec 2015 18:18

Instrument :

BNA_F

ClientSampled :

DUP001

Tot Ion:168 Resp: 97954

Ion Ratio Lower Upper

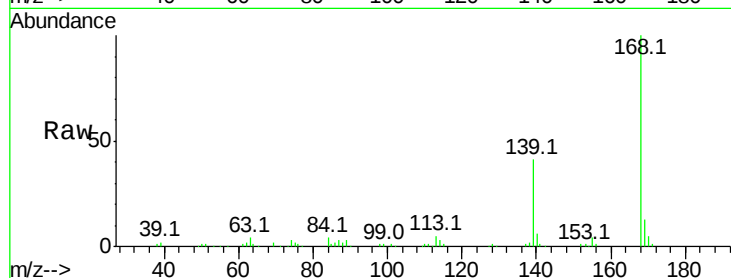
168 100

139 40.7 30.5 45.7

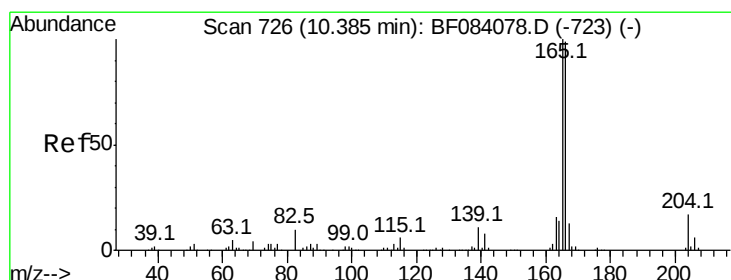
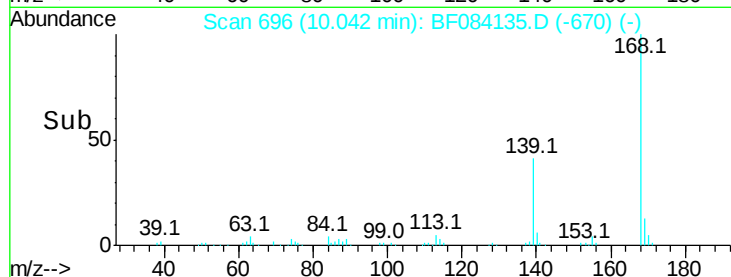
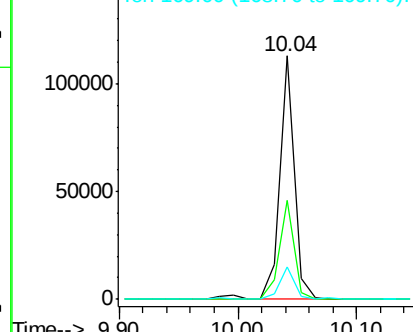
169 13.4 10.4 15.6

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Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 14.09 ng

RT: 10.38 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF084135.D

Acq: 25 Dec 2015 18:18

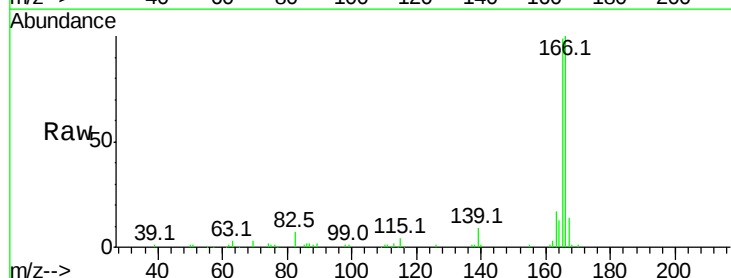
Tgt Ion:166 Resp: 104203

Ion Ratio Lower Upper

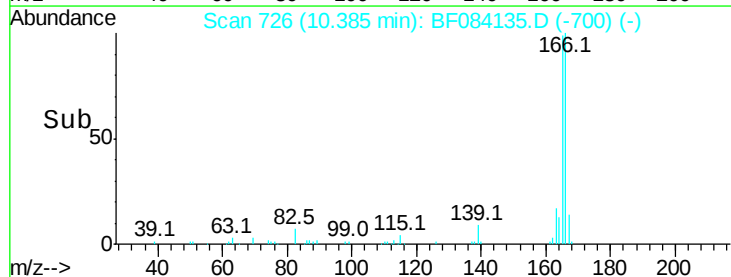
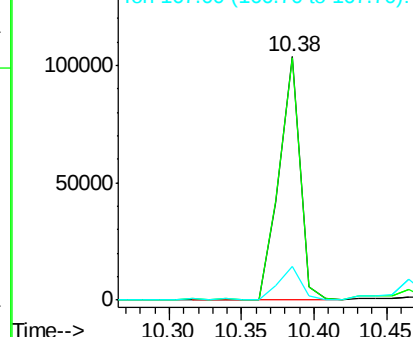
166 100

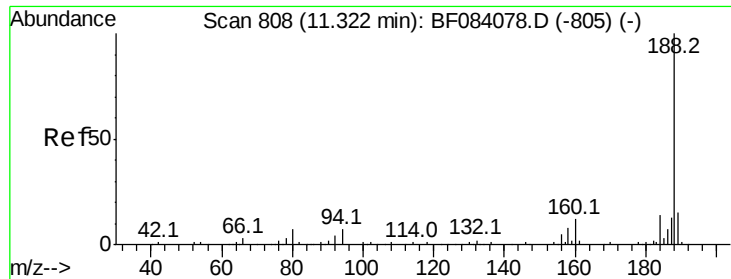
165 99.3 79.1 118.7

167 13.6 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





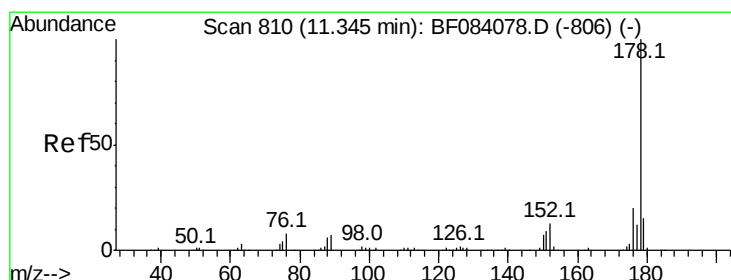
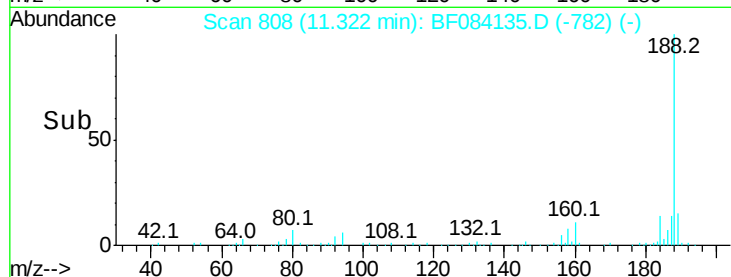
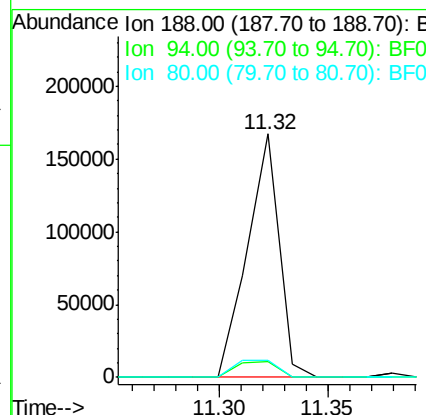
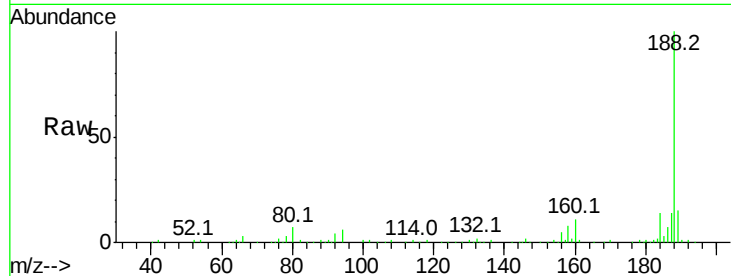
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. 0.00 min
Lab File: BF084135.D
Acq: 25 Dec 2015 18:18

Instrument :
BNA_F
ClientSampleId :
DUP001

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	6.5	9.0	13.4#
80	6.8	9.6	14.4#

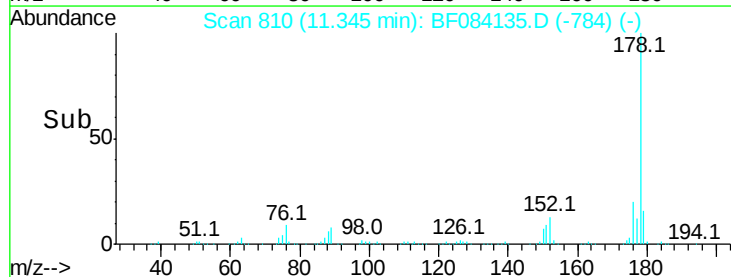
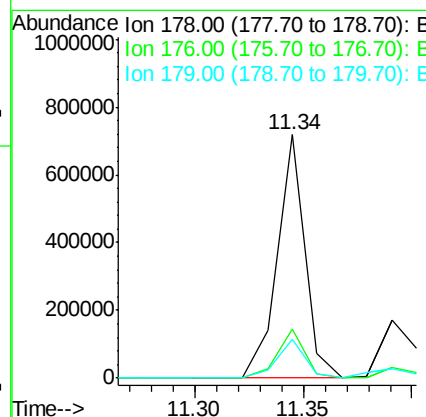
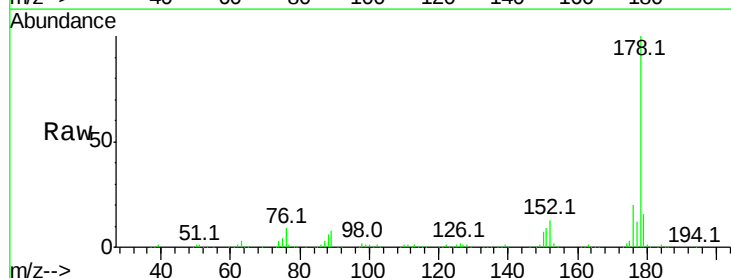
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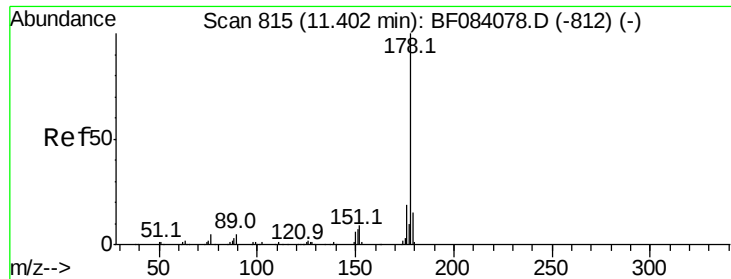
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#70
Phenanthrene
Concen: 64.39 ng
RT: 11.34 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF084135.D
Acq: 25 Dec 2015 18:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.9	15.3	22.9
179	15.9	12.0	18.0





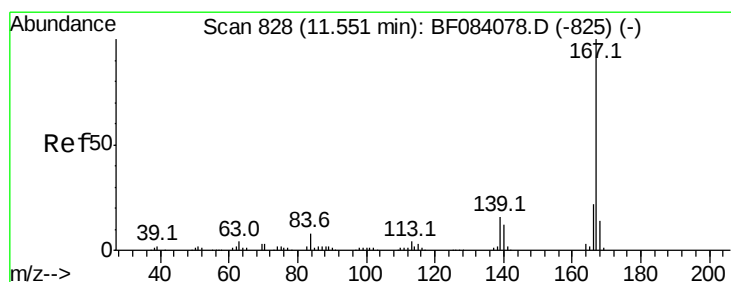
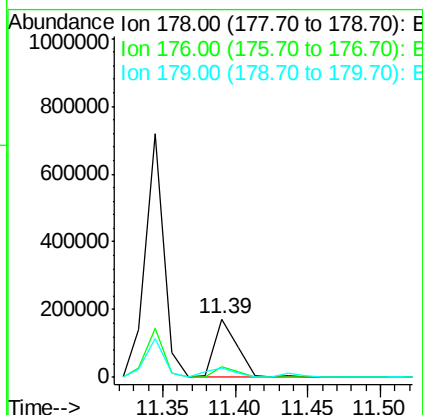
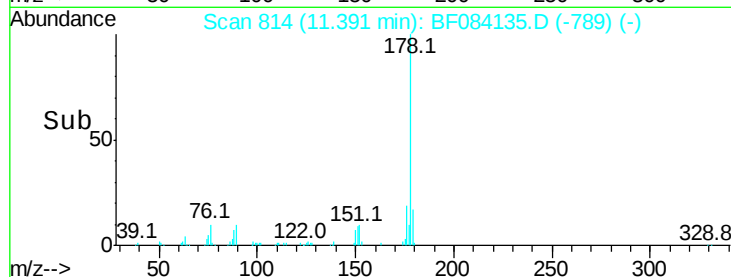
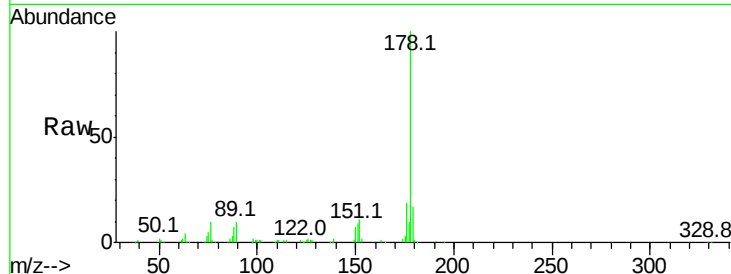
#71
 Anthracene
 Concen: 18.13 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF084135.D
 Acq: 25 Dec 2015 18:18

Instrument :
 BNA_F
 ClientSampleId :
 DUP001

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	16.5	12.5	18.7

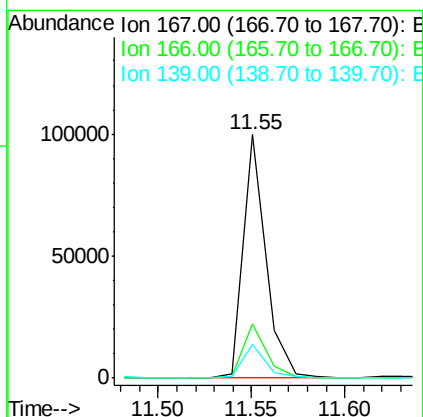
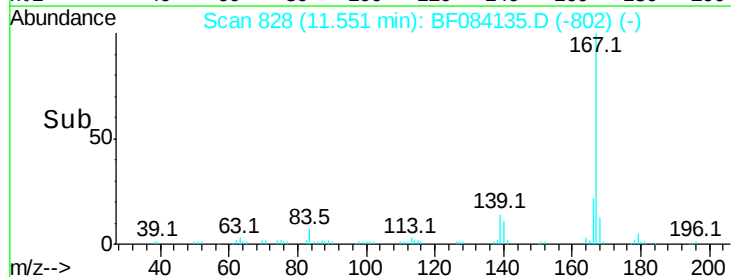
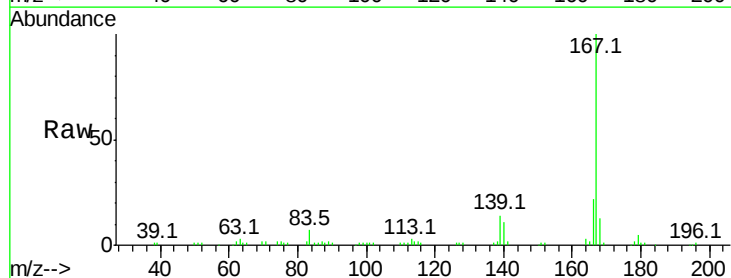
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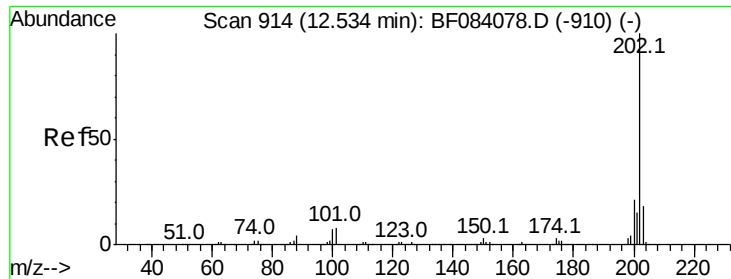
Sohil
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#72
 Carbazole
 Concen: 9.48 ng
 RT: 11.55 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: BF084135.D
 Acq: 25 Dec 2015 18:18

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





#74

Fluoranthene

Concen: 46.95 ng

RT: 12.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF084135.D

Acq: 25 Dec 2015 18:18

Instrument :

BNA_F

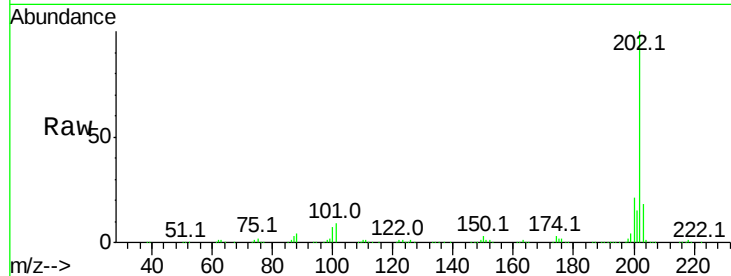
ClientSampleId :

DUP001

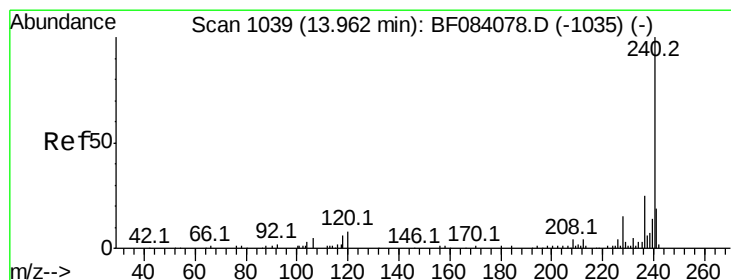
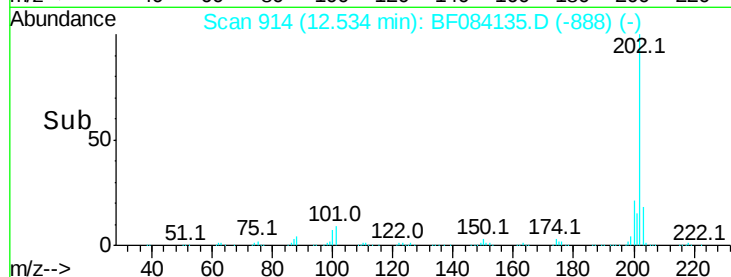
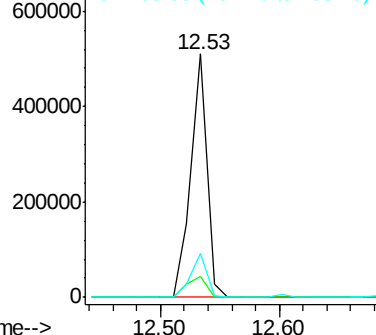
Tot Ion:	202	Resp:	480125
Ion Ratio	Lower	Upper	
202	100		
101	8.7	0.0	32.8
203	17.8	0.0	37.9

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

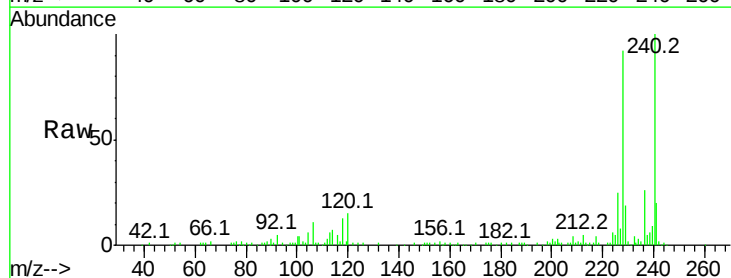
RT: 13.95 min Scan# 1038

Delta R.T. -0.01 min

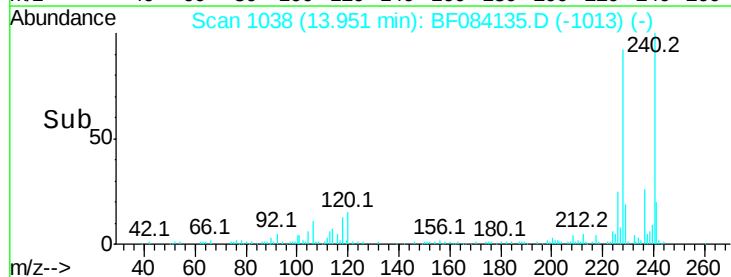
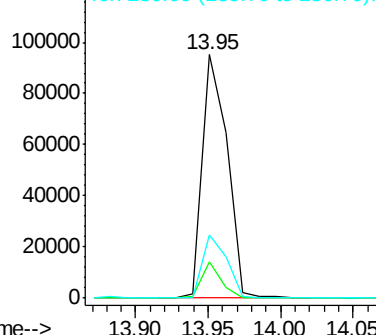
Lab File: BF084135.D

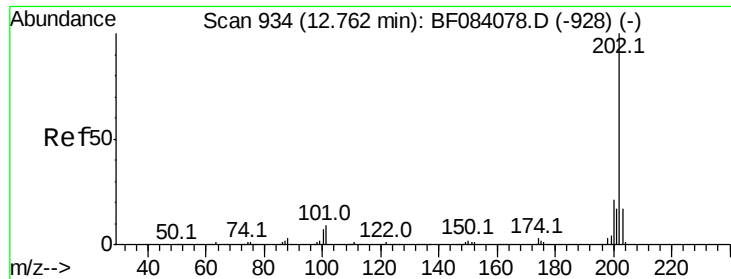
Acq: 25 Dec 2015 18:18

Tgt Ion:	240	Resp:	113109
Ion Ratio	Lower	Upper	
240	100		
120	14.8	9.5	14.3#
236	25.7	20.6	31.0



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

Pvrene

Concen: 36.82 ng

RT: 12.76 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF084135.D

Acq: 25 Dec 2015 18:18

Instrument :

BNA_F

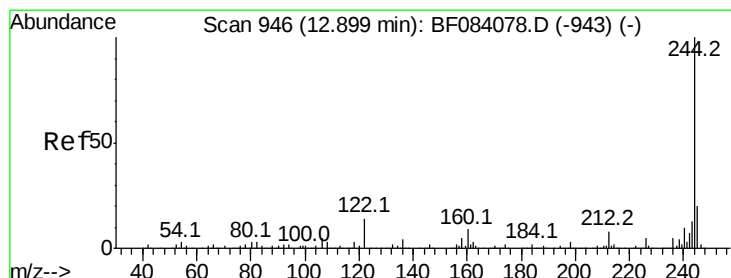
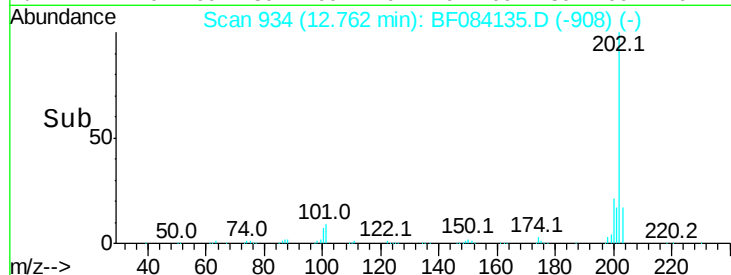
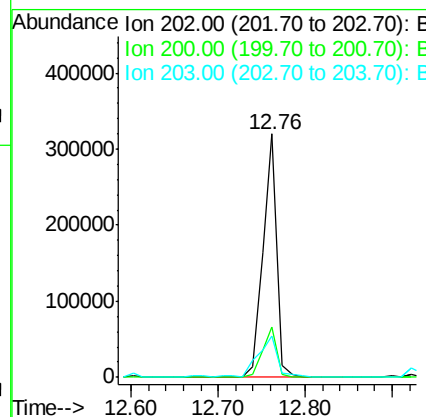
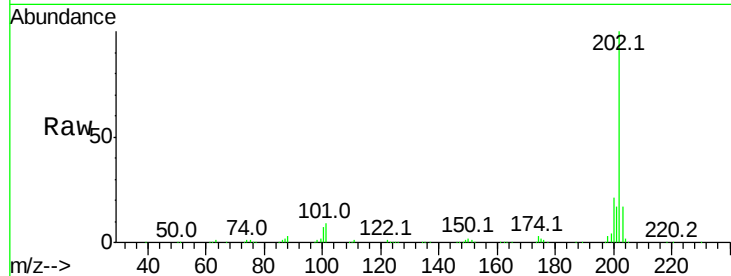
ClientSampleId :

DUP001

Tot Ion:	202	Resp:	359264
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.2	25.8
203	17.2	14.3	21.5

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#78

Terphenyl-d14

Concen: 74.52 ng

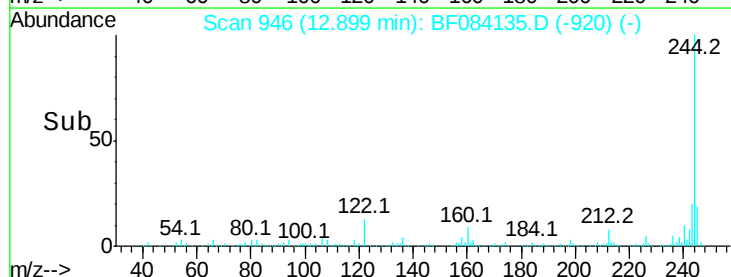
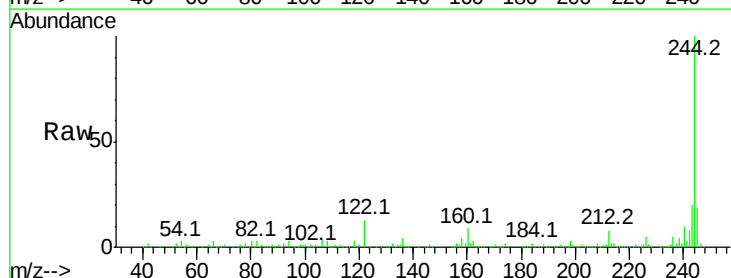
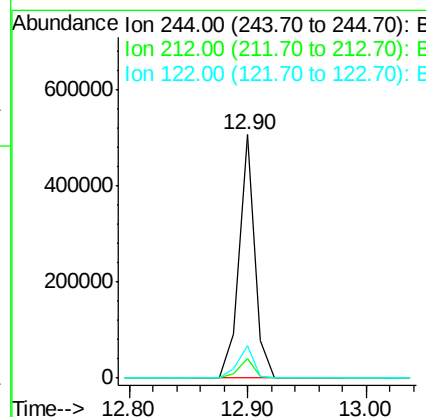
RT: 12.90 min Scan# 946

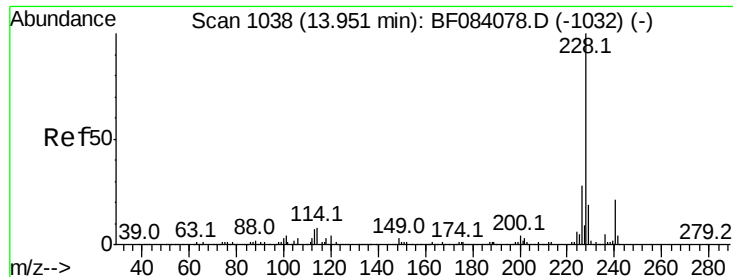
Delta R.T. 0.00 min

Lab File: BF084135.D

Acq: 25 Dec 2015 18:18

Tgt Ion:	244	Resp:	465832
Ion Ratio	Lower	Upper	
244	100		
212	8.1	5.7	8.5
122	13.2	7.4	11.0#





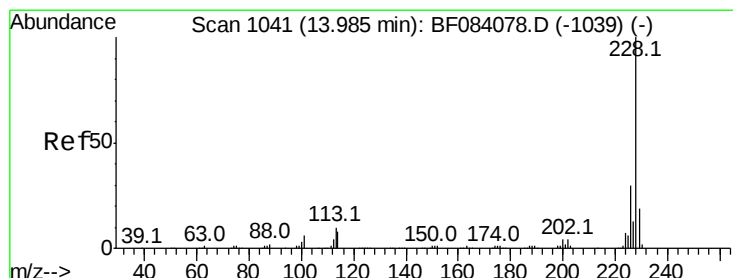
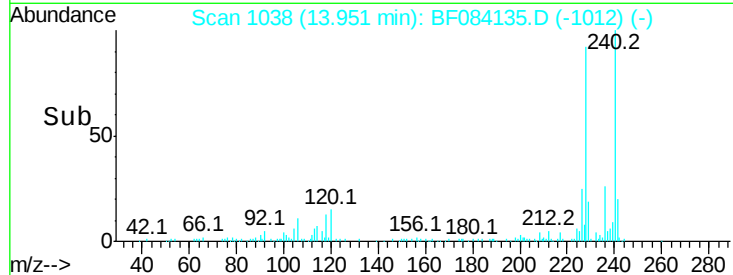
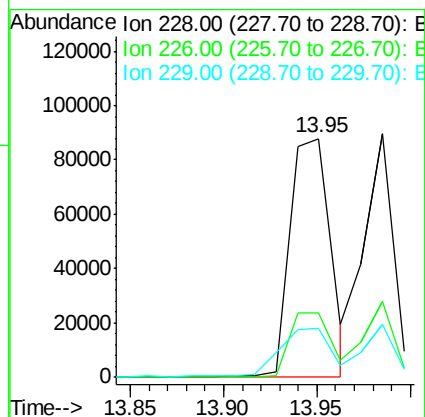
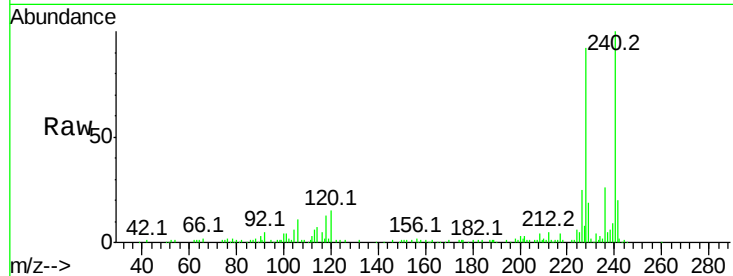
#80
Benzo(a)anthracene
Concen: 19.26 ng
RT: 13.95 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF084135.D
Acq: 25 Dec 2015 18:18

Instrument :
BNA_F
ClientSampleId :
DUP001

Tot Ion:	228	Resp:	133977
Ion Ratio	Lower	Upper	
228	100		
226	27.0	21.8	32.6
229	20.8	15.8	23.8

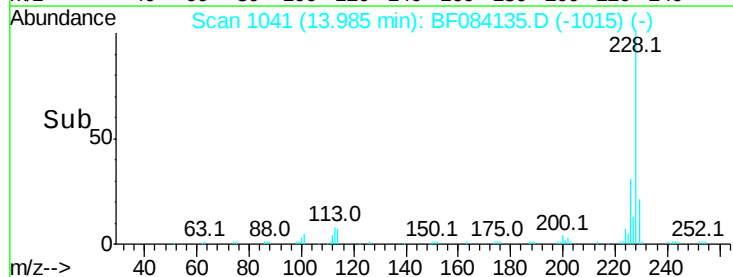
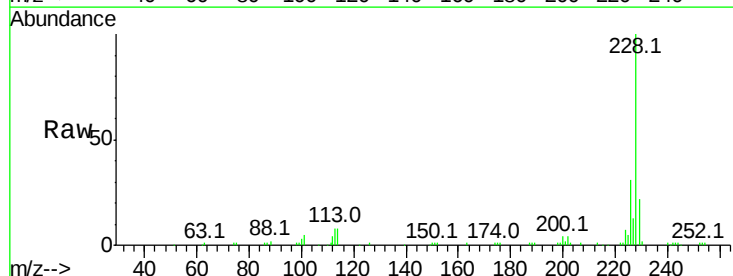
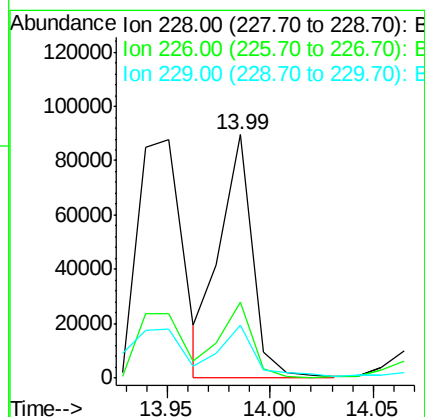
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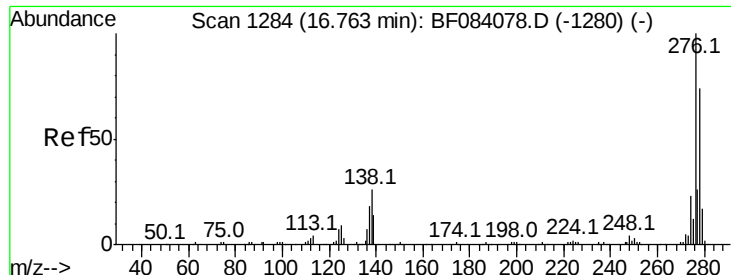
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#82
Chrysene
Concen: 15.44 ng m
RT: 13.99 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF084135.D
Acq: 25 Dec 2015 18:18

Tgt Ion:	228	Resp:	99069
Ion Ratio	Lower	Upper	
228	100		
226	31.1	24.3	36.5
229	21.7	16.1	24.1





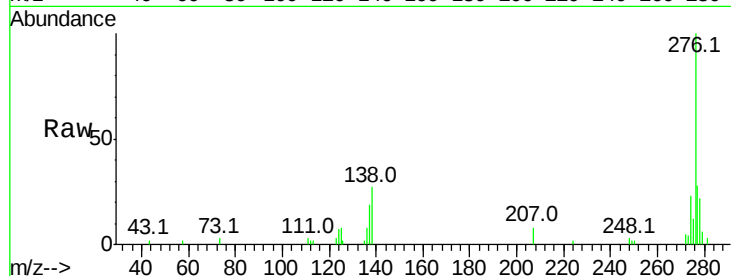
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.08 ng
RT: 16.77 min Scan# 1285
Delta R.T. 0.01 min
Lab File: BF084135.D
Acq: 25 Dec 2015 18:18

Instrument :
BNA_F
ClientSampleID :
DUP001

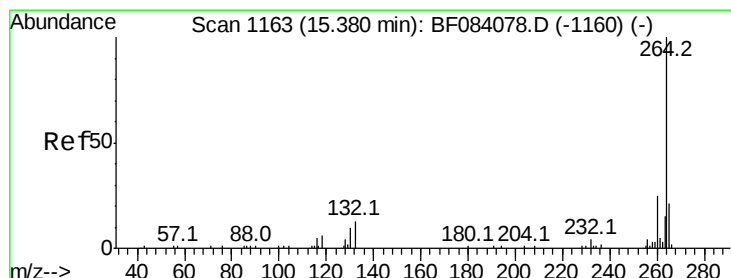
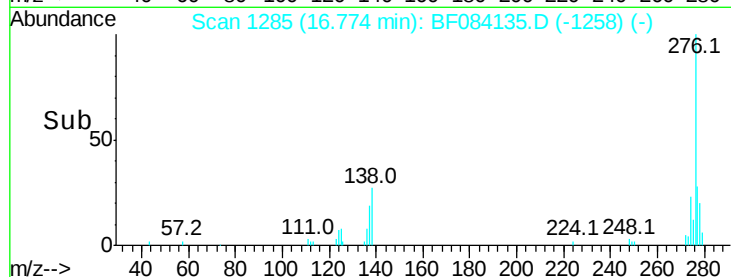
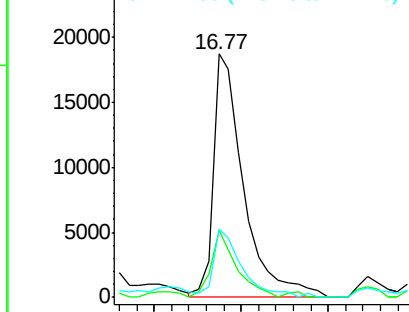
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.2	20.6	30.8
277	26.4	20.1	30.1

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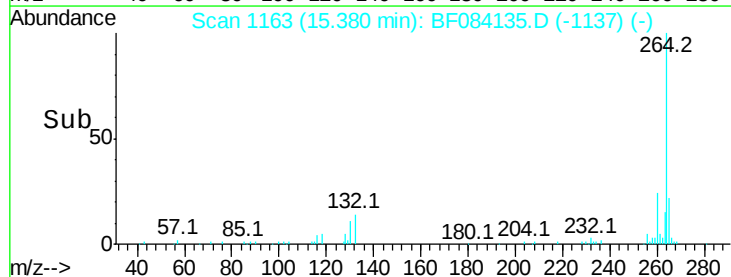
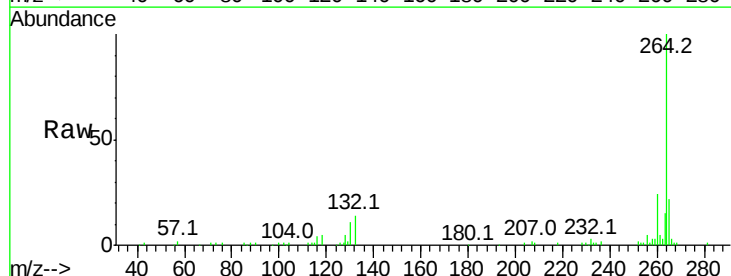
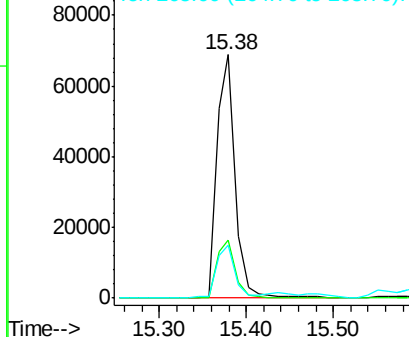
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

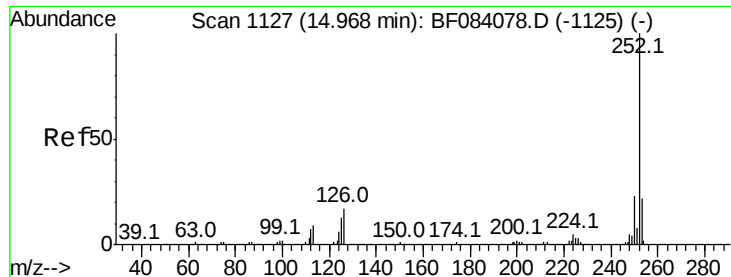


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.38 min Scan# 1163
Delta R.T. 0.00 min
Lab File: BF084135.D
Acq: 25 Dec 2015 18:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.2
265	21.8	17.8	26.6

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 13.75 ng m

RT: 14.98 min Scan# 1128

Delta R.T. 0.01 min

Lab File: BF084135.D

Acq: 25 Dec 2015 18:18

Instrument :

BNA_F

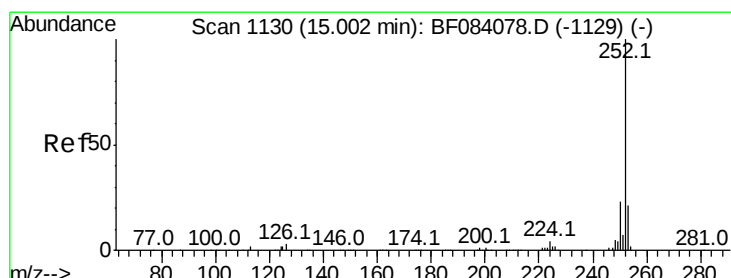
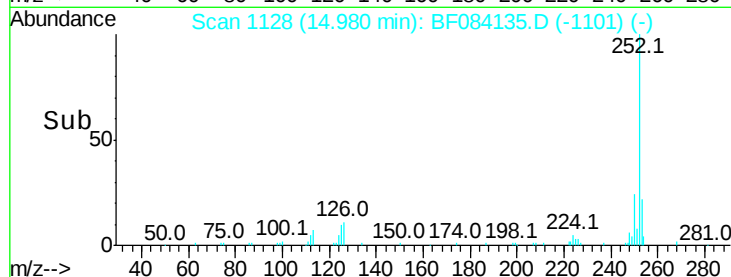
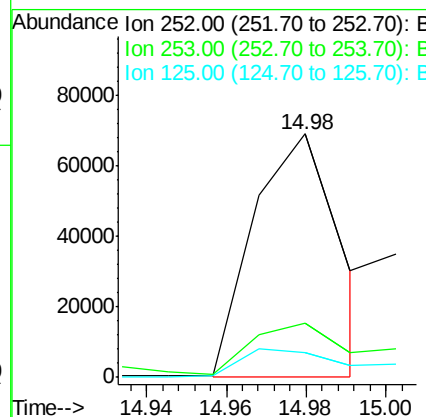
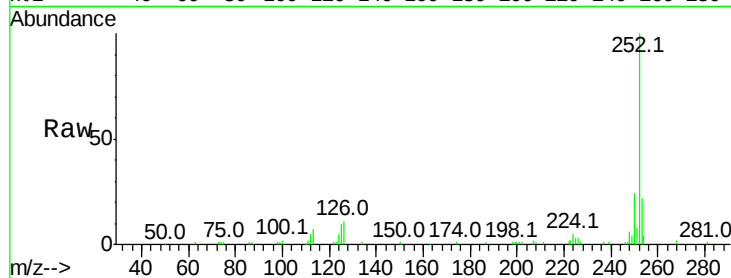
ClientSampleId :

DUP001

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	10.3	6.5	9.7#

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#88

Benzo(k)fluoranthene

Concen: 7.25 ng m

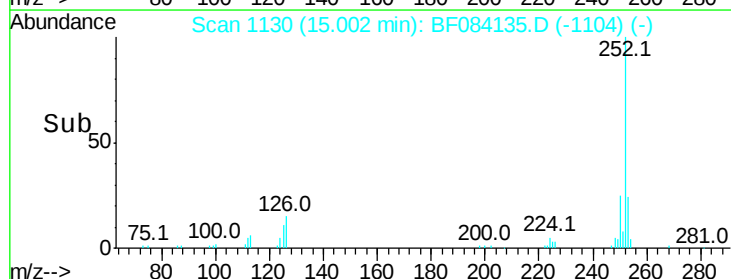
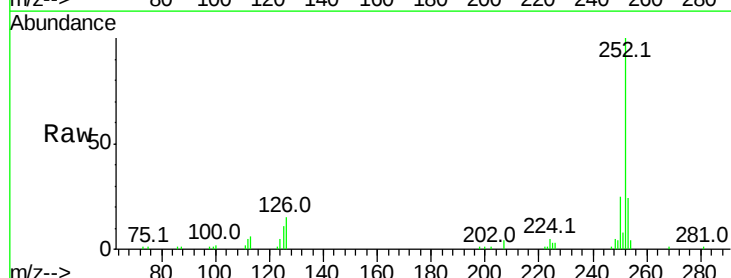
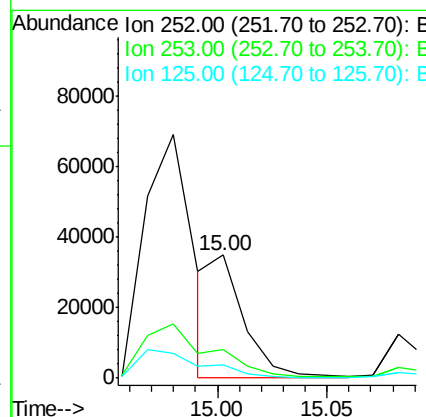
RT: 15.00 min Scan# 1130

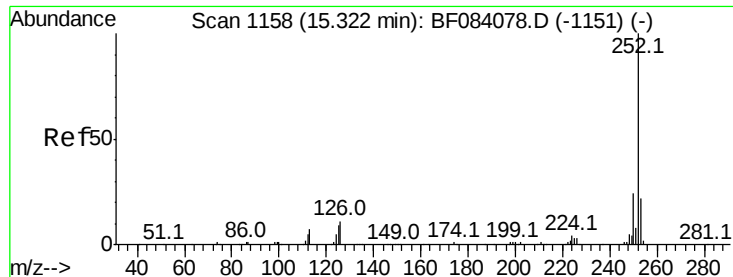
Delta R.T. 0.00 min

Lab File: BF084135.D

Acq: 25 Dec 2015 18:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	10.9	9.0	13.6





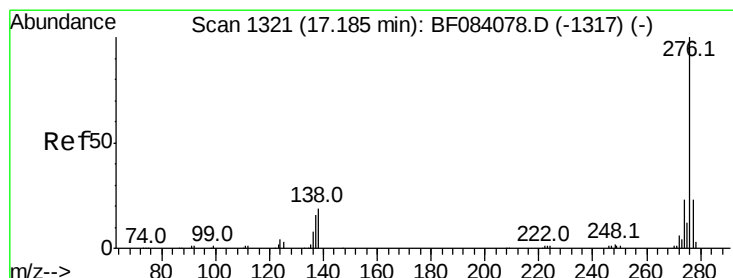
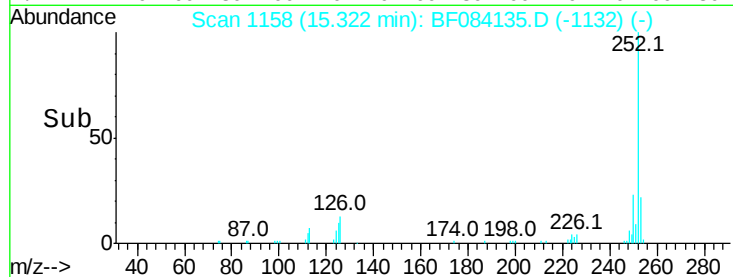
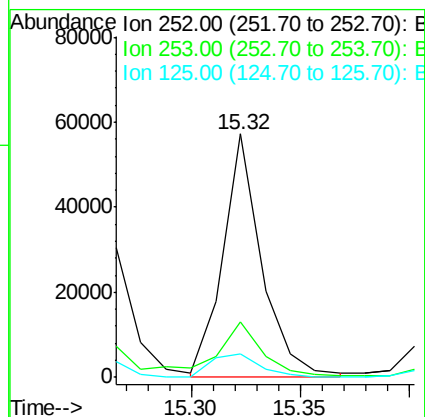
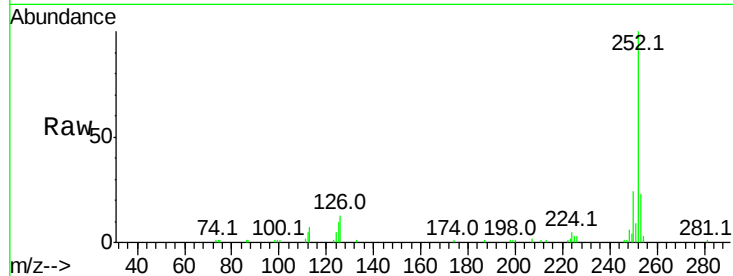
#89
Benzo(a)pyrene
Concen: 11.39 ng
RT: 15.32 min Scan# 1158
Delta R.T. 0.00 min
Lab File: BF084135.D
Acq: 25 Dec 2015 18:18

Instrument :
BNA_F
ClientSampleId :
DUP001

Tot Ion:	252	Resp:	70696
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.3	25.9
125	9.6	7.0	10.4

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#91
Benzo(g,h,i)perylene
Concen: 6.46 ng
RT: 17.20 min Scan# 1322
Delta R.T. 0.01 min
Lab File: BF084135.D
Acq: 25 Dec 2015 18:18

Tgt Ion:	276	Resp:	39980
Ion Ratio	Lower	Upper	
276	100		
277	23.8	18.8	28.2
138	24.2	17.8	26.6

