

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061316\
 Data File : BF087978.D
 Acq On : 13 Jun 2016 12:42
 Operator : UM/SJ
 Sample : H3438-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-09-COMP

Manual Integrations
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Quant Time: Jun 13 14:41:17 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 14:10:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	119332	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	511704	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	233950	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	419532	20.00	ng	0.00
75) Chrysene-d12	13.94	240	269171	20.00	ng	-0.01
86) Perylene-d12	15.36	264	257793	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	713965	102.28	ng	0.00
7) Phenol-d6	6.43	99	951490	112.47	ng	0.00
23) Nitrobenzene-d5	7.36	82	554776	63.31	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	214195	86.71	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1027698	67.89	ng	0.00
78) Terphenyl-d14	12.90	244	698502	59.05	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.55	163	250309	14.77	ng	100
70) Phenanthrene	11.34	178	266068	12.09	ng	99
71) Anthracene	11.38	178	53971	2.43	ng	99
74) Fluoranthene	12.53	202	378082	16.27	ng	96
77) Pyrene	12.75	202	306376	15.34	ng	98
80) Benzo(a)anthracene	13.93	228	145912	9.51	ng	99
82) Chrysene	13.97	228	110347	7.65	ng	97
85) Indeno(1,2,3-cd)pyrene	16.71	276	68594	5.12	ng	# 100
87) Benzo(b)fluoranthene	14.96	252	154988m	8.63	ng	
88) Benzo(k)fluoranthene	14.98	252	50665m	3.74	ng	
89) Benzo(a)pyrene	15.29	252	100916	6.94	ng	96
91) Benzo(a,h,i)perylene	17.12	276	63684	4.59	ng	96

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

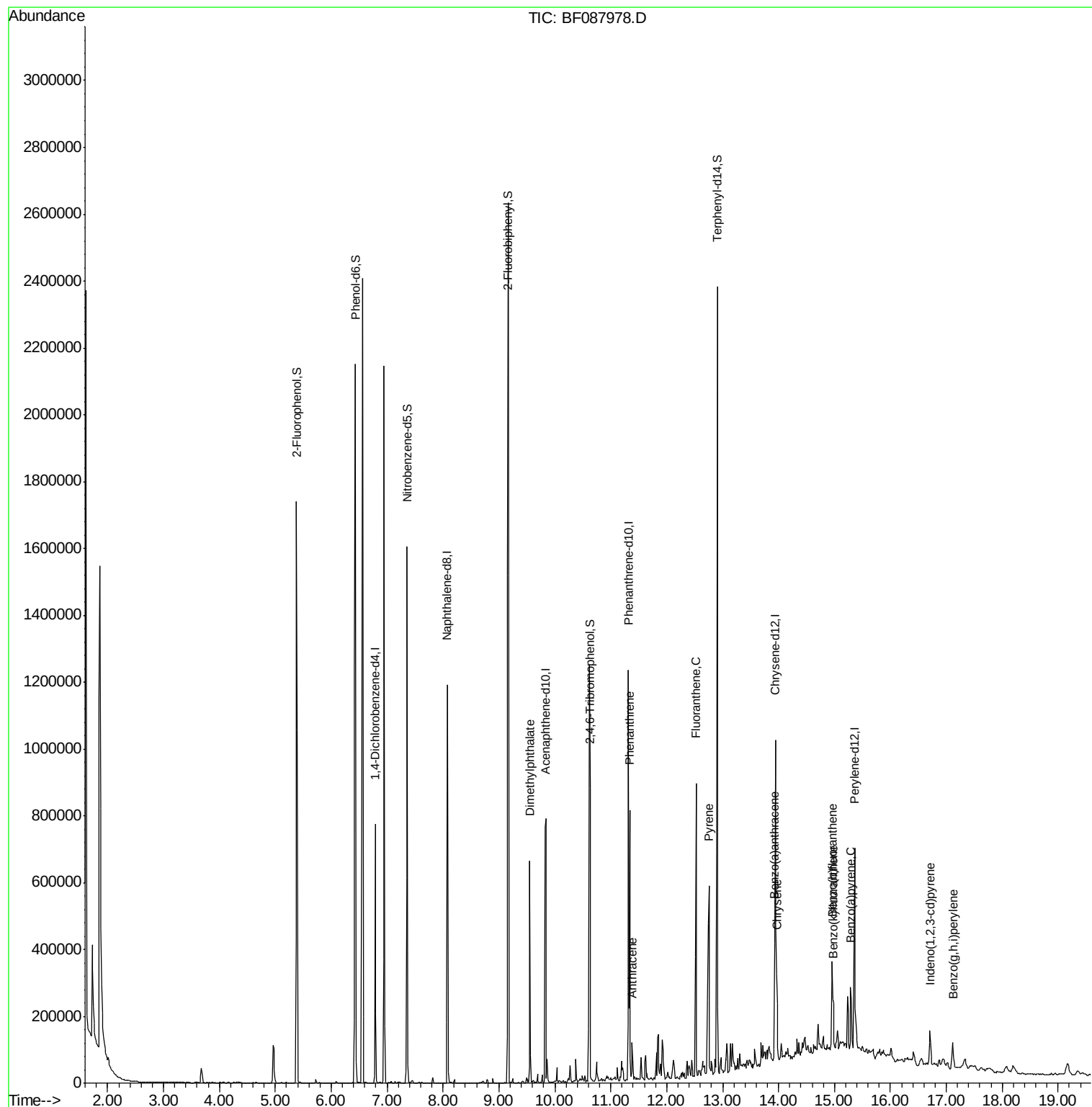
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061316\
Data File : BF087978.D
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Sample : H3438-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

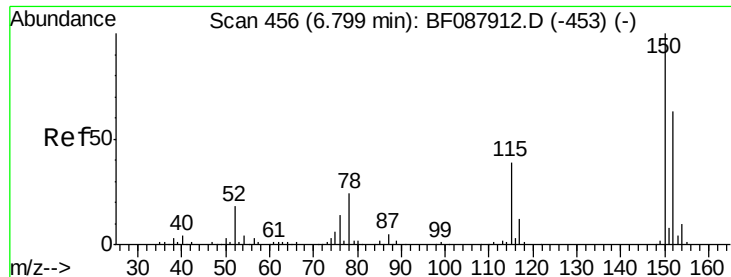
Instrument :
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#1

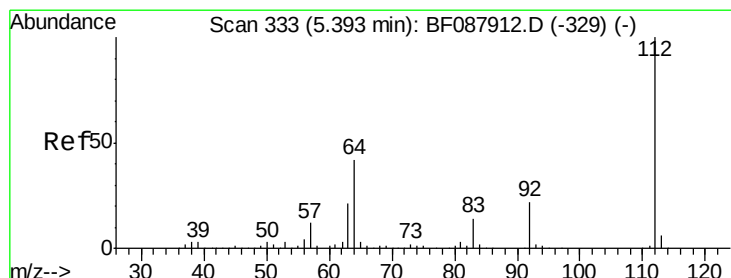
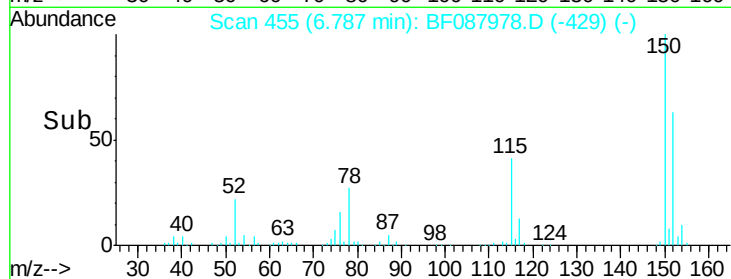
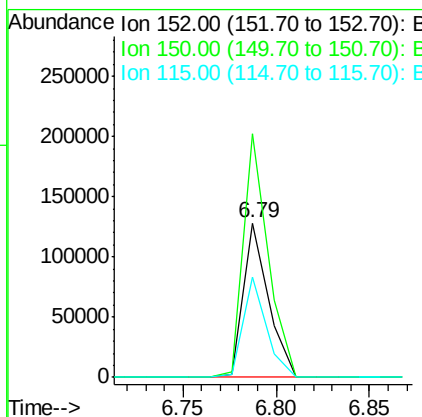
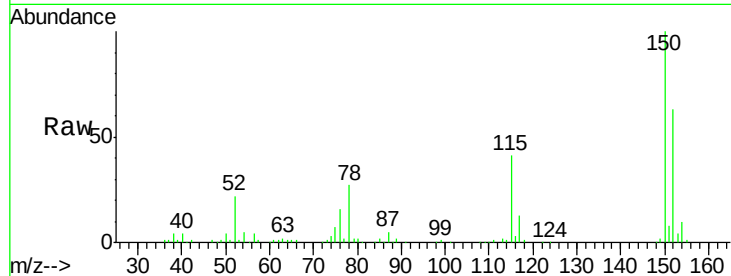
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 455
Delta R.T. -0.00 min
Lab File: BF087978.D
Acq: 13 Jun 2016 12:42

Instrument :
BNA_F
ClientSampleId :
SB-09-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	123.8	185.6
115	65.3	39.6	59.4

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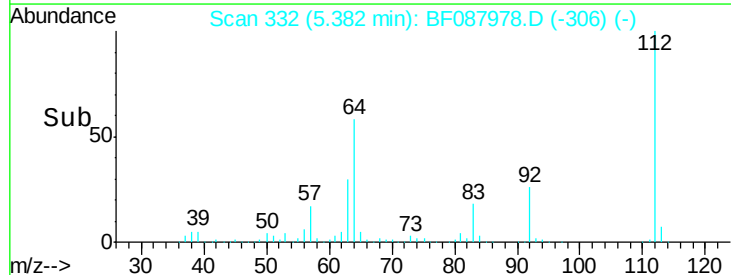
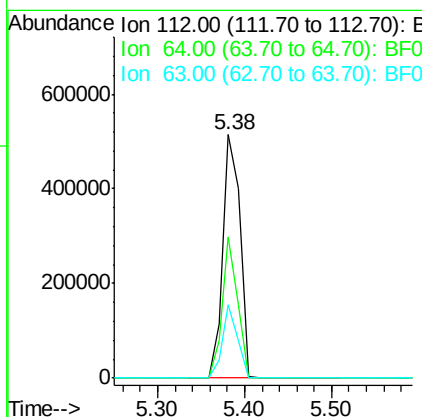
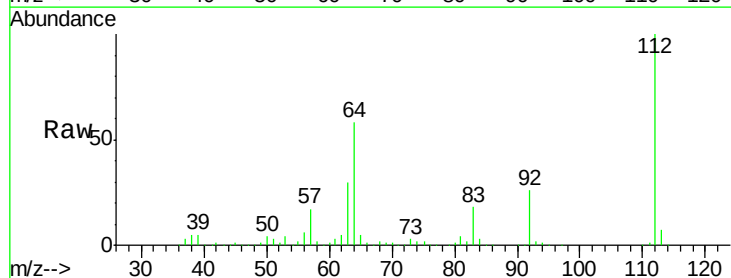
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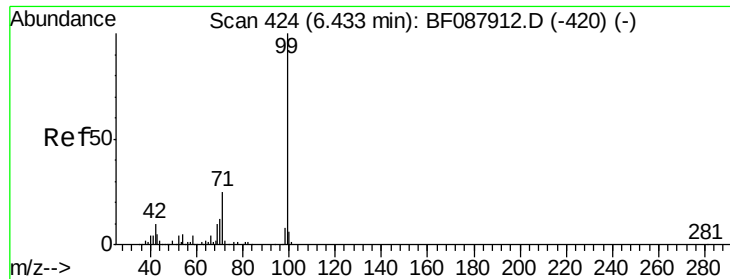


#5

2-Fluorophenol
Concen: 102.28 ng
RT: 5.38 min Scan# 332
Delta R.T. -0.00 min
Lab File: BF087978.D
Acq: 13 Jun 2016 12:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	42.2	63.2
63	29.9	21.8	32.8





#7

Phenol-d6

Concen: 112.47 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.00 min

Lab File: BF087978.D

Acq: 13 Jun 2016 12:42

Instrument :

BNA_F

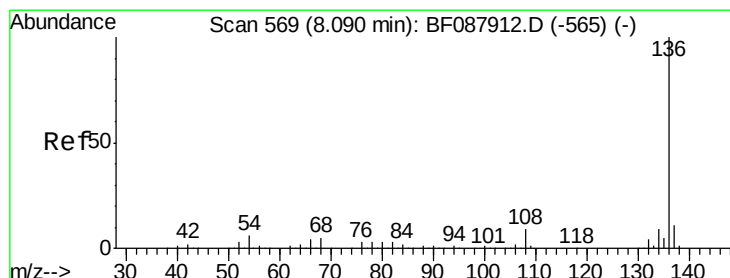
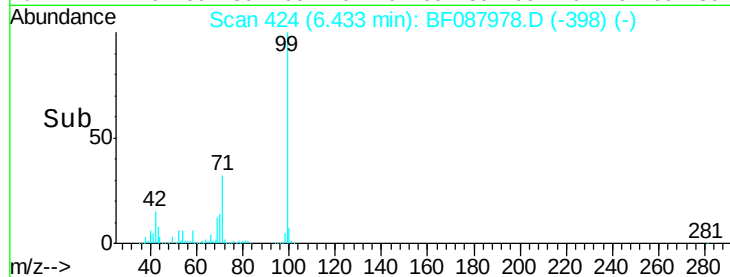
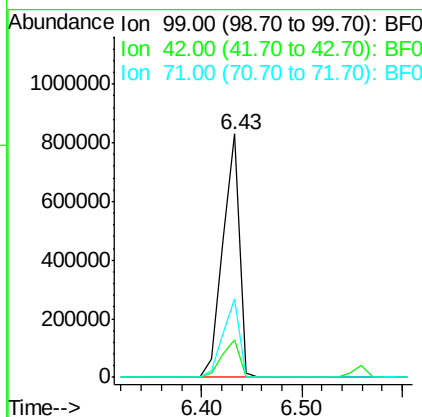
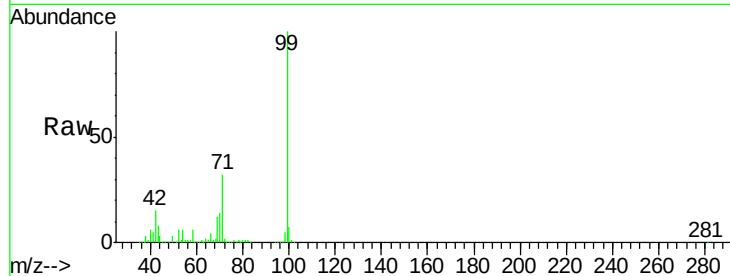
ClientSampleId :

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Tot Ion:	99	Resp:	951490
Ion Ratio	Lower	Upper	
99	100		
42	15.3	12.2	18.2
71	32.2	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

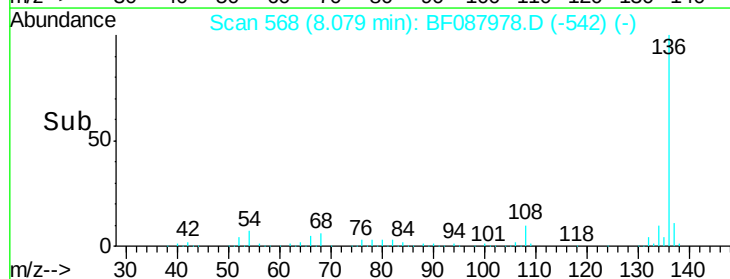
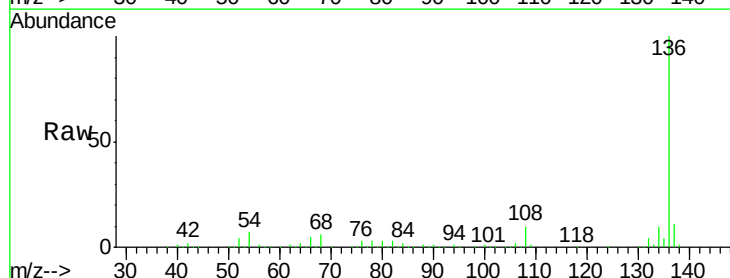
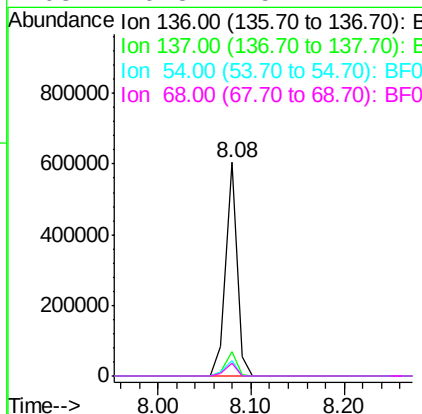
RT: 8.08 min Scan# 568

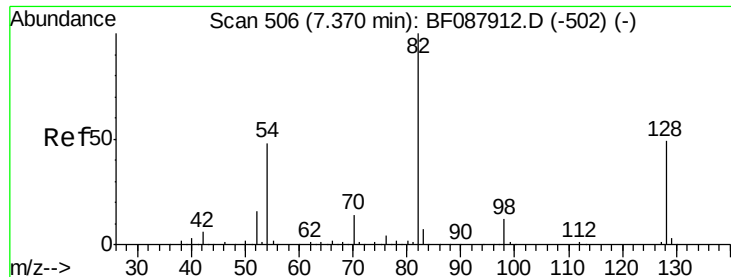
Delta R.T. -0.00 min

Lab File: BF087978.D

Acq: 13 Jun 2016 12:42

Tgt Ion:	136	Resp:	511704
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.1	13.7
54	7.3	6.6	10.0
68	6.3	5.1	7.7





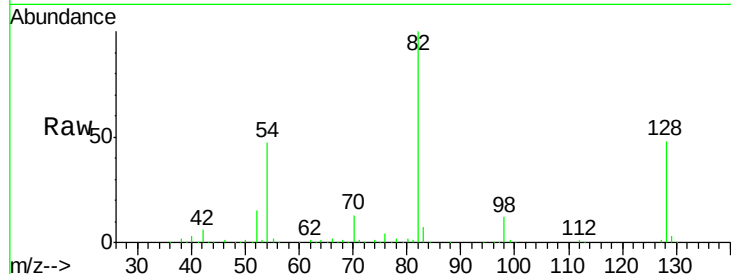
#23
Nitrobenzene-d5
Concen: 63.31 ng
RT: 7.36 min Scan# 505
Delta R.T. -0.00 min
Lab File: BF087978.D
Acq: 13 Jun 2016 12:42

Instrument :
BNA_F
ClientSampleId :
SB-09-COMP

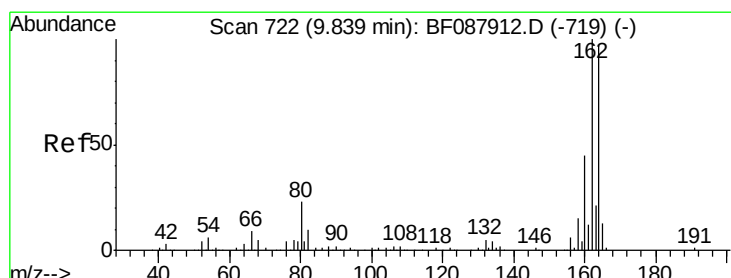
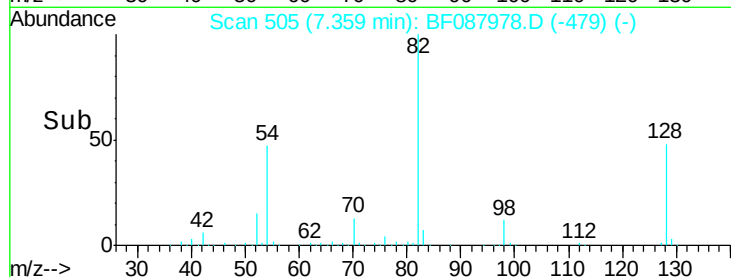
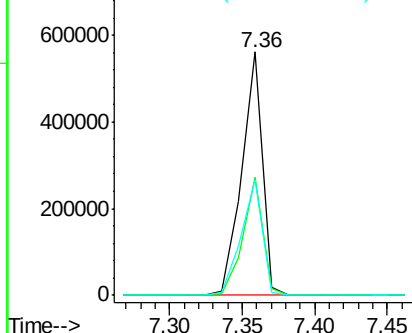
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.3	35.9	53.9
54	47.4	40.9	61.3

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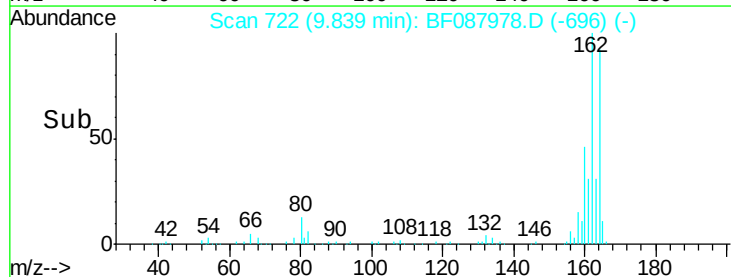
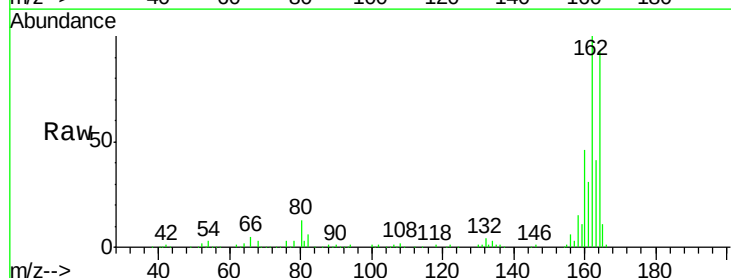
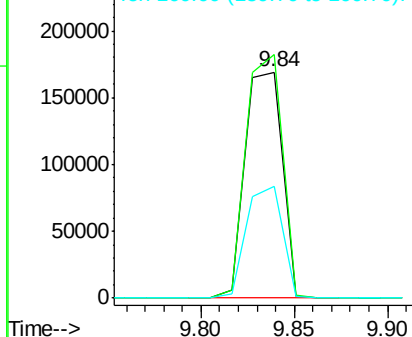
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

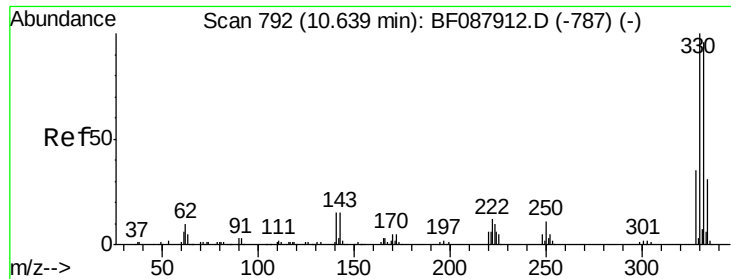


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.00 min
Lab File: BF087978.D
Acq: 13 Jun 2016 12:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.9	85.4	128.2
160	49.7	39.5	59.3

Abundance Ion 164.00 (163.70 to 164.70): B
Ion 162.00 (161.70 to 162.70): B
Ion 160.00 (159.70 to 160.70): B





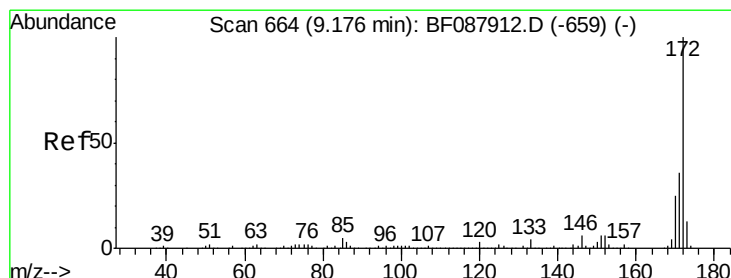
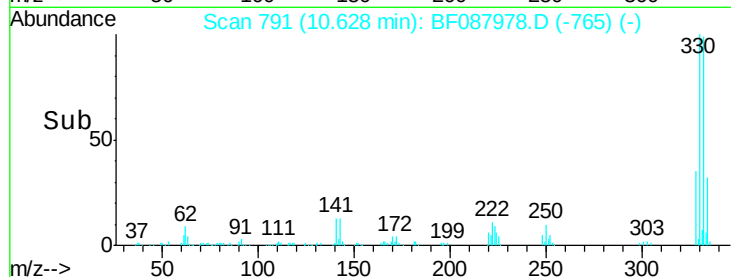
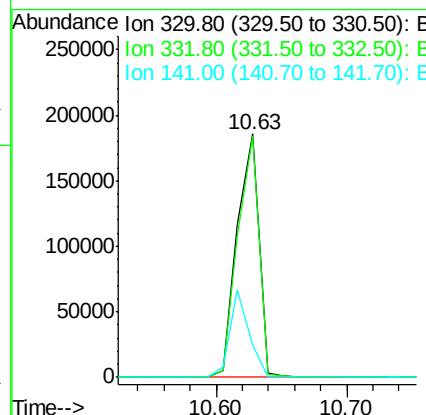
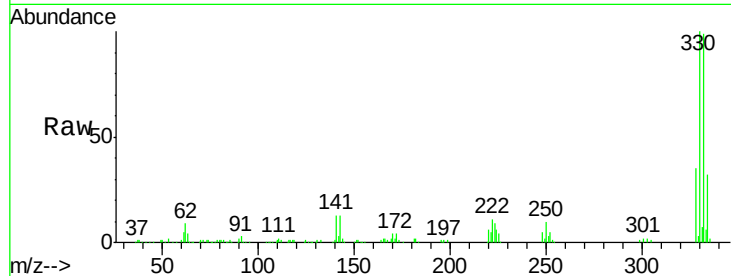
#41
 2,4,6-Tribromophenol
 Concen: 86.71 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: BF087978.D
 Acq: 13 Jun 2016 12:42

Instrument :
 BNA_F
 ClientSampleId :
 SB-09-COMP

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.6	0.0	0.0#
141	32.2	0.0	0.0#

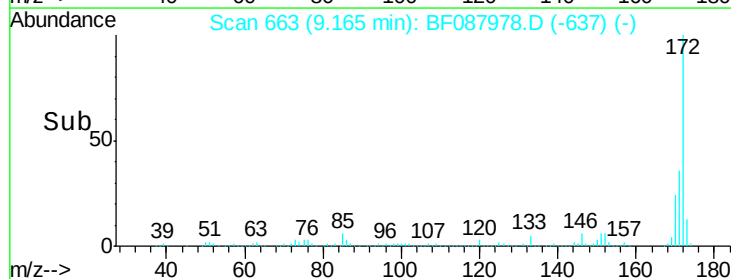
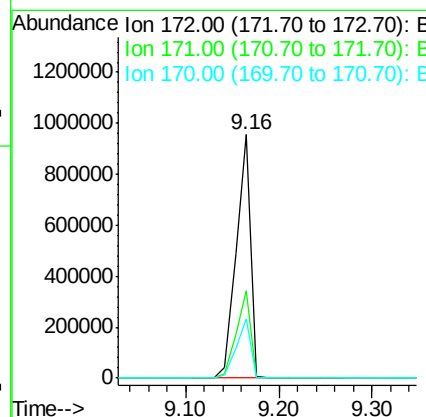
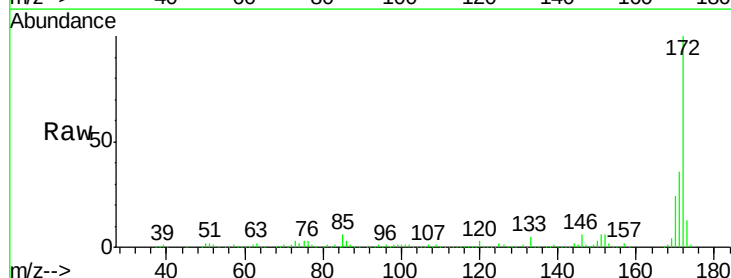
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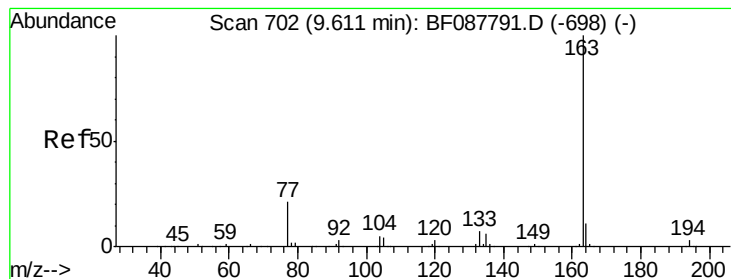
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#44
 2-Fluorobiphenyl
 Concen: 67.89 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: BF087978.D
 Acq: 13 Jun 2016 12:42

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.8	28.6	43.0
170	24.3	19.2	28.8





#49

Dimethylphthalate

Concen: 14.77 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.01 min

Lab File: BF087978.D

Acq: 13 Jun 2016 12:42

Instrument :

BNA_F

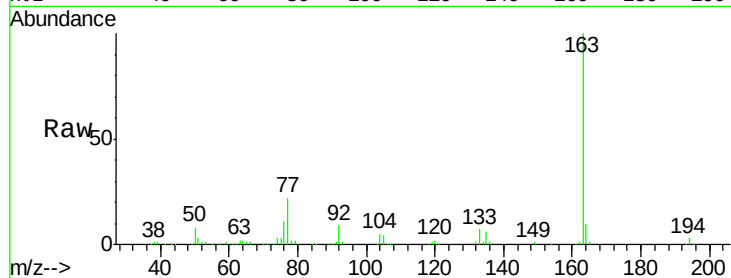
ClientSampleId :

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Tot Ion:	163	Resp:	250309
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.8	4.2
164	10.4	8.3	12.5

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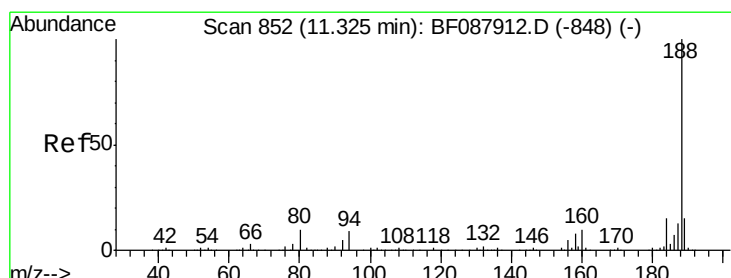
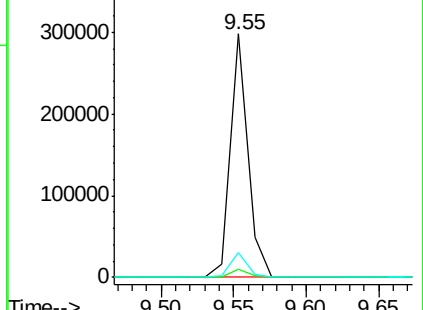
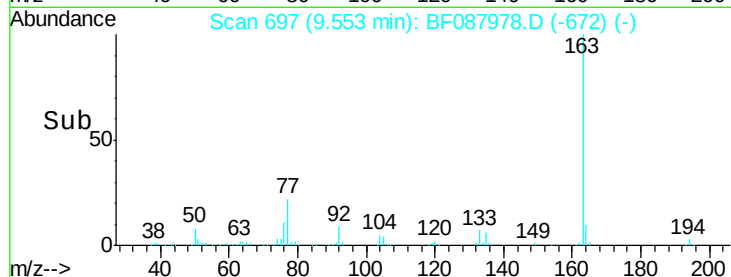
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Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

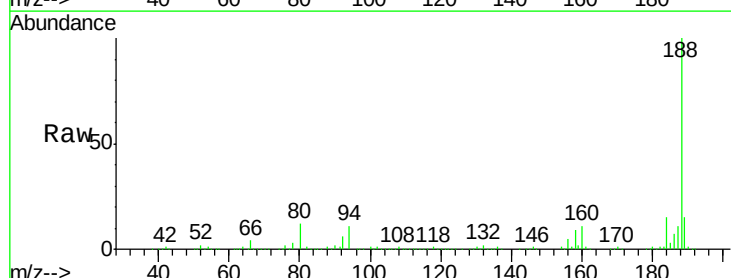
RT: 11.31 min Scan# 851

Delta R.T. -0.00 min

Lab File: BF087978.D

Acq: 13 Jun 2016 12:42

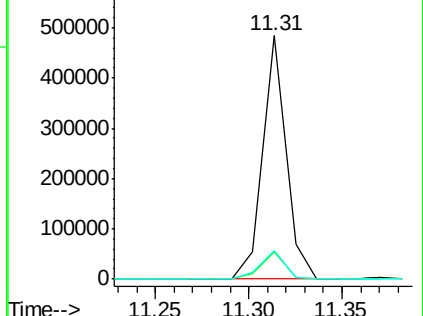
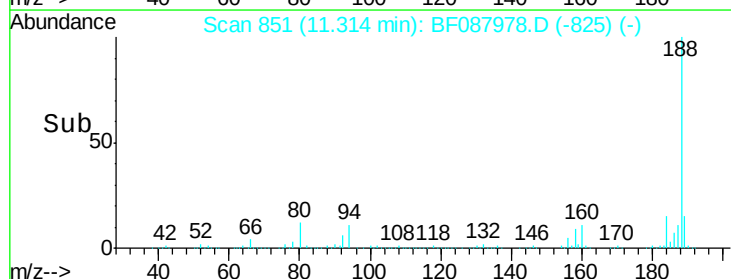
Tgt Ion:	188	Resp:	419532
Ion Ratio	Lower	Upper	
188	100		
94	11.2	9.0	13.6
80	11.7	10.0	15.0

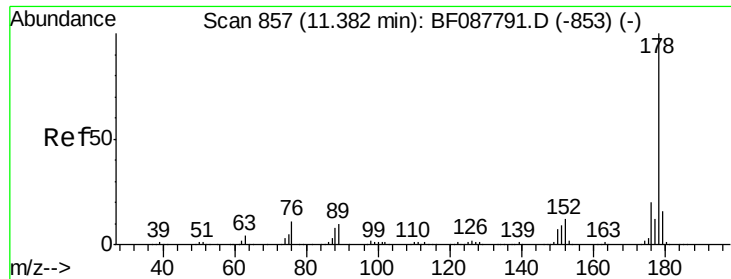


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





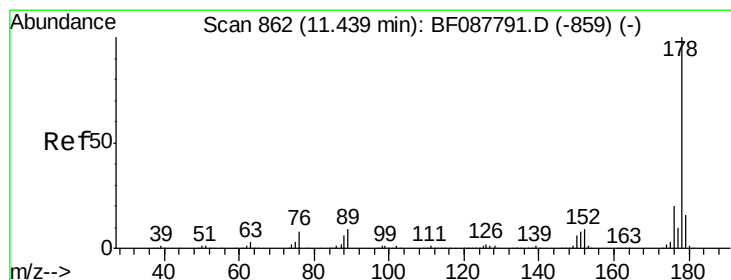
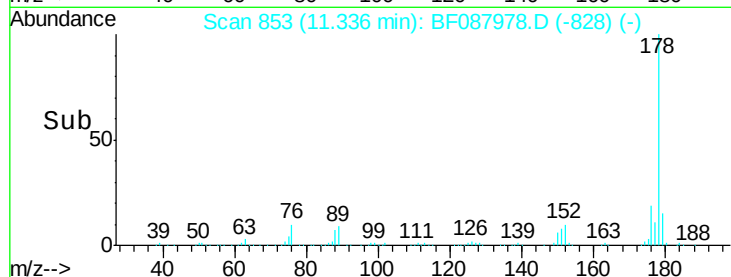
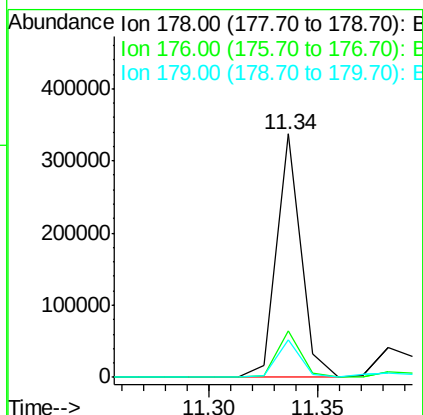
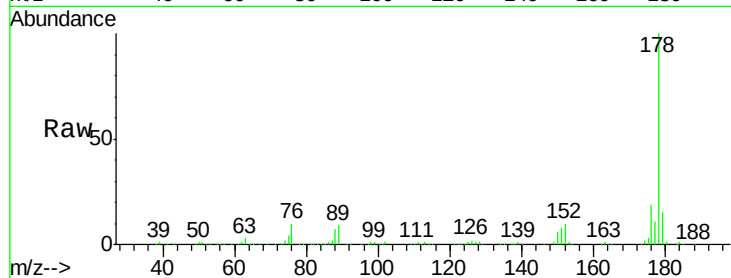
#70
Phenanthrene
Concen: 12.09 ng
RT: 11.34 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF087978.D
Acq: 13 Jun 2016 12:42

Instrument :
BNA_F
ClientSampleId :
SB-09-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.6
179	15.4	13.0	19.4

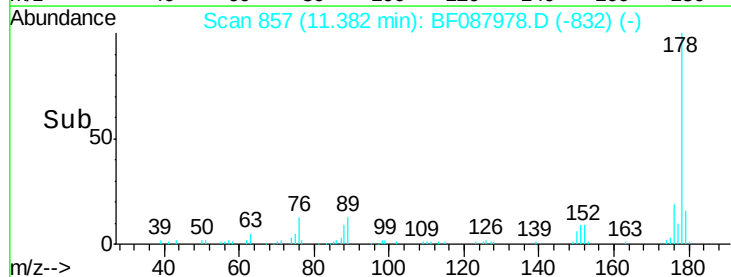
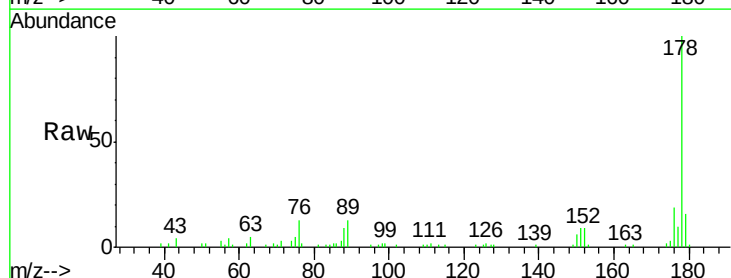
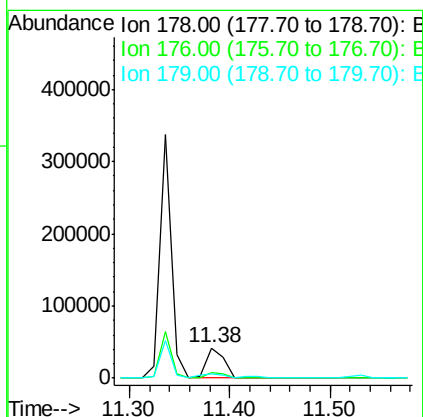
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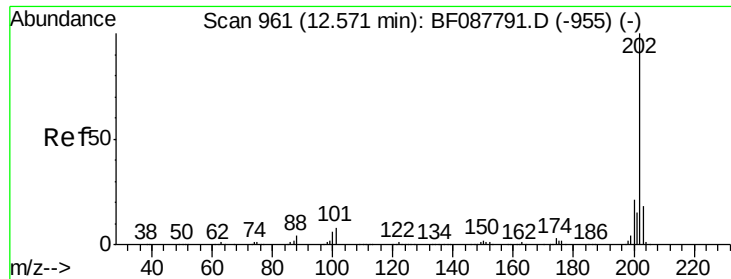
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#71
Anthracene
Concen: 2.43 ng
RT: 11.38 min Scan# 857
Delta R.T. -0.01 min
Lab File: BF087978.D
Acq: 13 Jun 2016 12:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.6	23.4
179	15.9	12.8	19.2





#74

Fluoranthene

Concen: 16.27 ng

RT: 12.53 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF087978.D

Acq: 13 Jun 2016 12:42

Instrument :

BNA_F

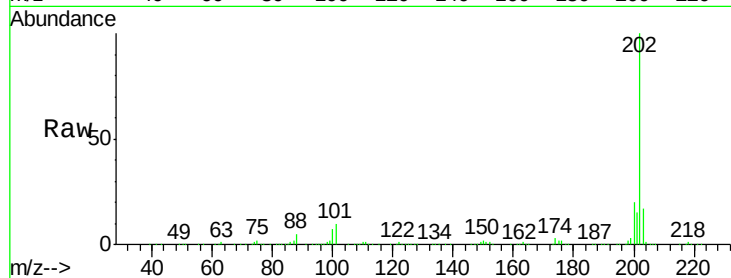
ClientSampleId :

SB-09-COMP

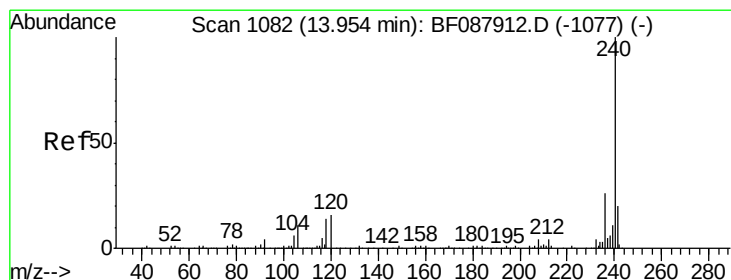
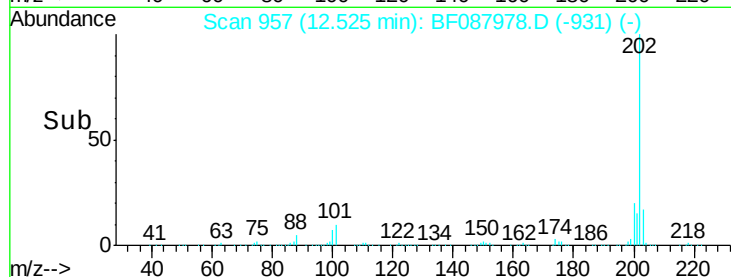
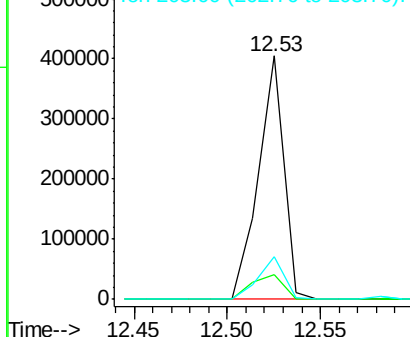
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		378082		
101	10.2	0.0	33.1		
203	17.4	0.0	38.1		

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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

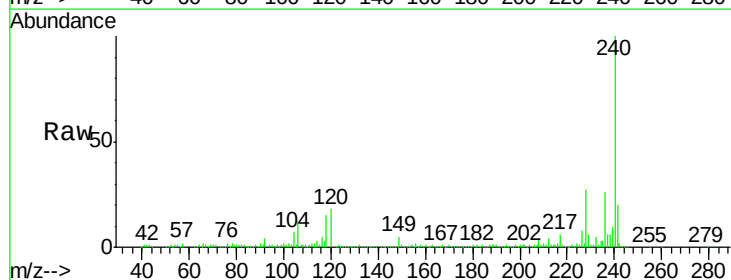
RT: 13.94 min Scan# 1081

Delta R.T. -0.01 min

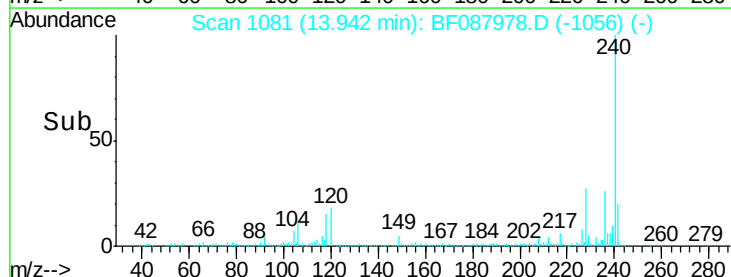
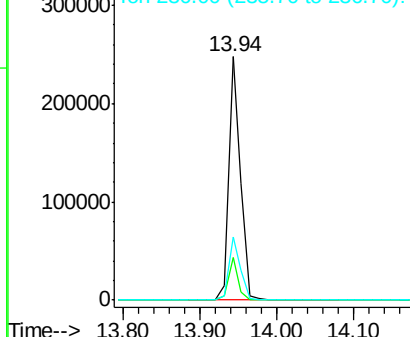
Lab File: BF087978.D

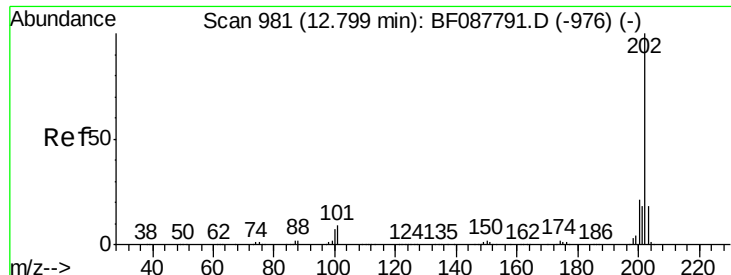
Acq: 13 Jun 2016 12:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		269171		
120	17.6	6.8	10.2#		
236	26.1	20.2	30.2		



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: 15.34 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.00 min

Lab File: BF087978.D

Acq: 13 Jun 2016 12:42

Instrument :

BNA_F

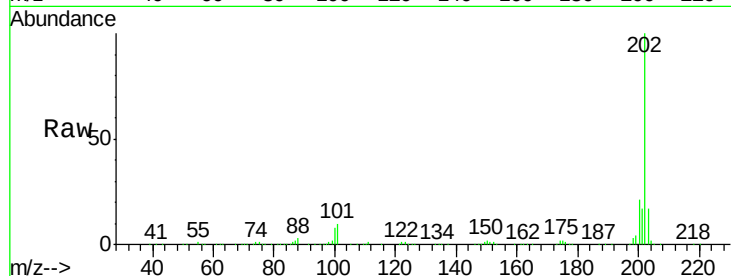
ClientSampleId :

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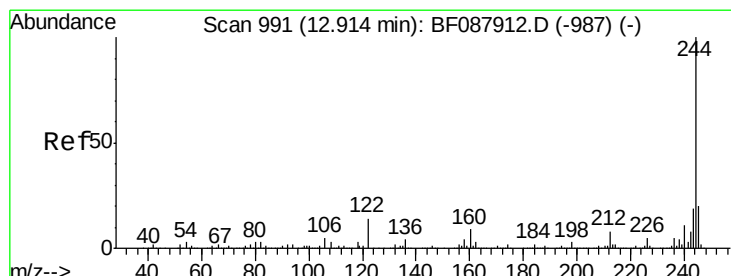
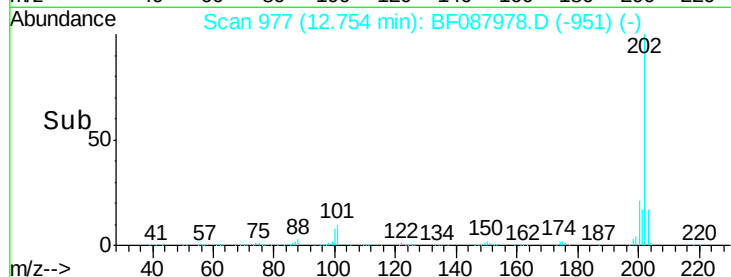
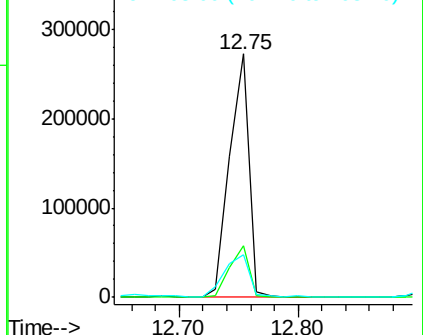
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		306376		
200	21.0		17.4	26.2	
203	17.4		14.5	21.7	

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



#78

Terphenyl-d14

Concen: 59.05 ng

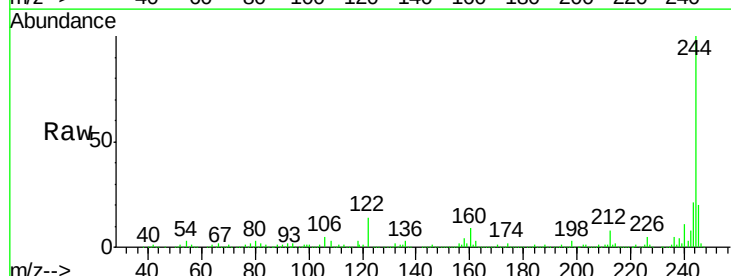
RT: 12.90 min Scan# 990

Delta R.T. -0.00 min

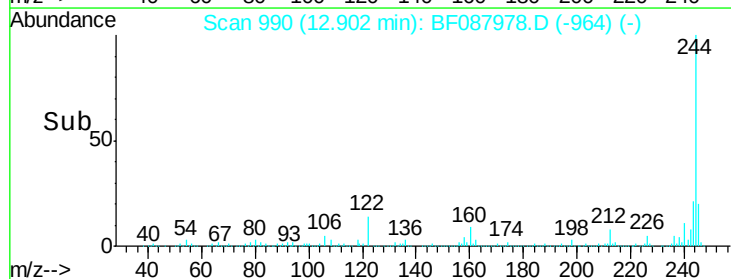
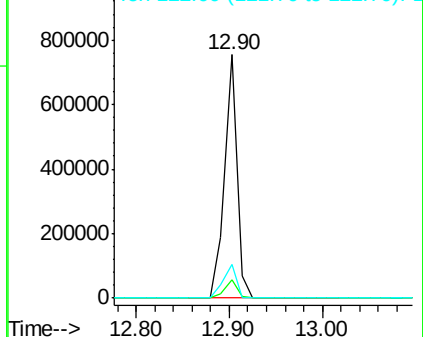
Lab File: BF087978.D

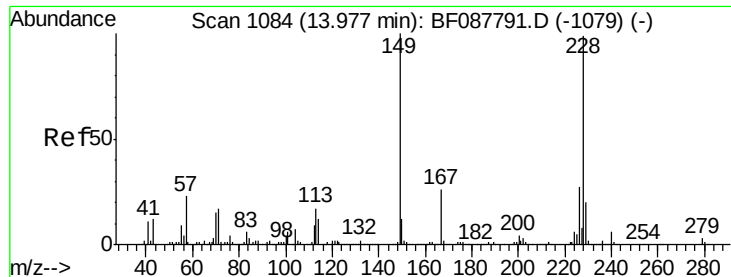
Acq: 13 Jun 2016 12:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100		698502		
212	7.6		6.0	9.0	
122	14.1		11.2	16.8	



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





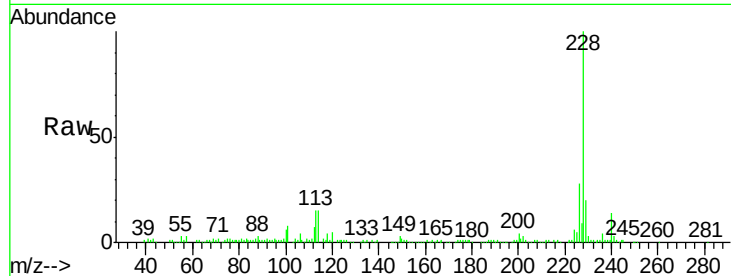
#80
Benzo(a)anthracene
Concen: 9.51 ng
RT: 13.93 min Scan# 1080
Delta R.T. -0.01 min
Lab File: BF087978.D
Acq: 13 Jun 2016 12:42

Instrument :
BNA_F
ClientSampleId :
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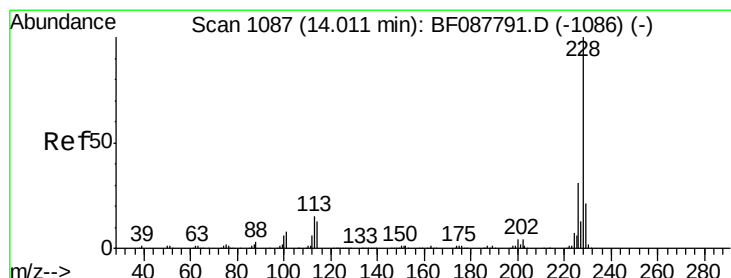
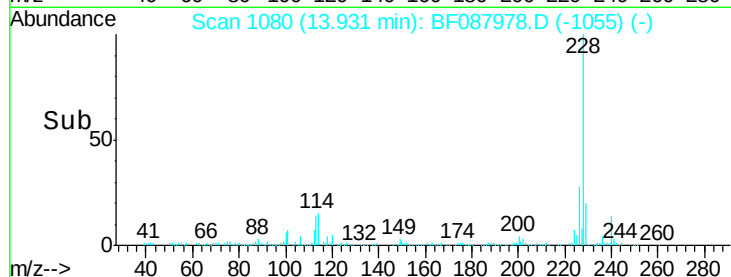
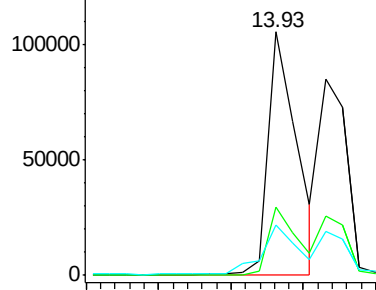
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.3	33.5
229	20.4	16.0	24.0

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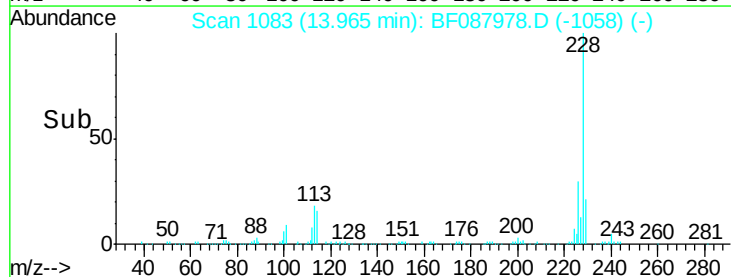
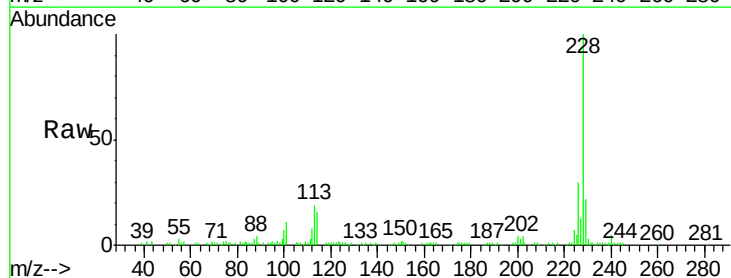
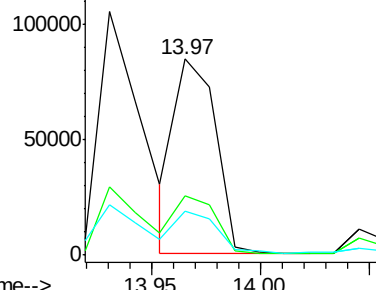
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

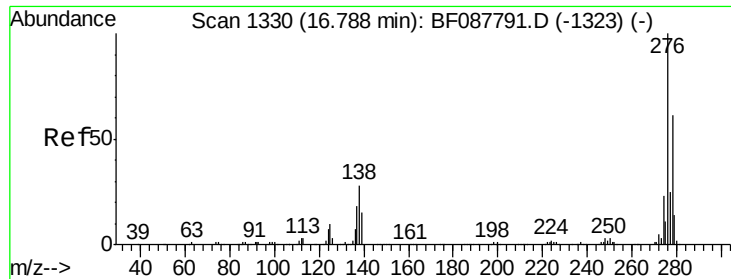


#82
Chrysene
Concen: 7.65 ng
RT: 13.97 min Scan# 1083
Delta R.T. -0.01 min
Lab File: BF087978.D
Acq: 13 Jun 2016 12:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.4	38.2
229	22.2	16.3	24.5

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





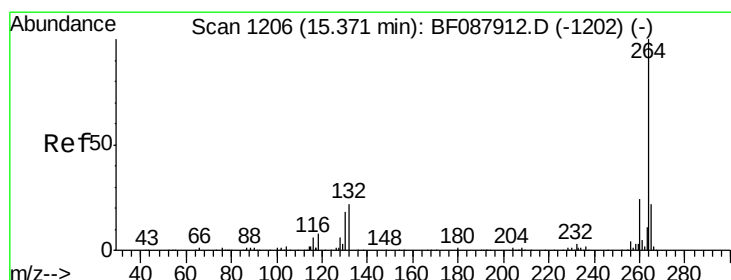
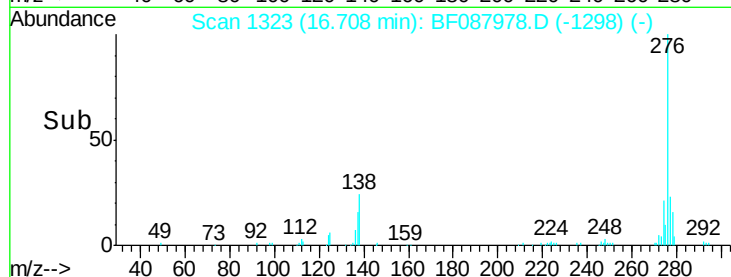
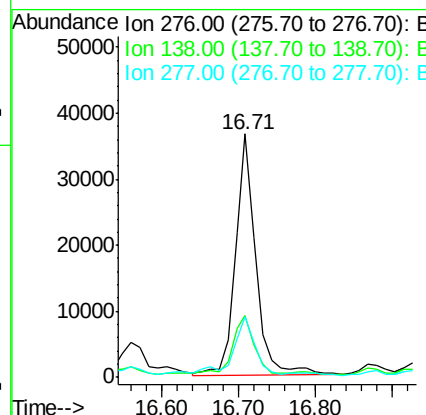
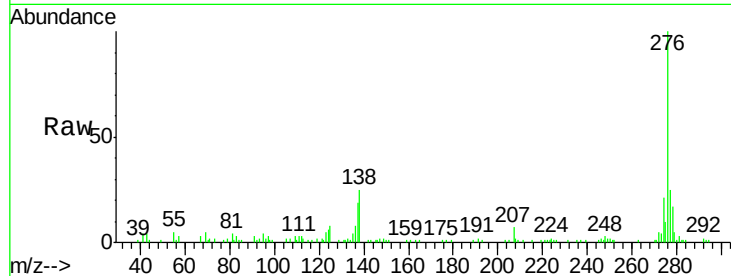
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.12 ng
RT: 16.71 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF087978.D
Acq: 13 Jun 2016 12:42

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
276	100		
138	27.9	0.0	0.0#
277	26.1	0.0	0.0#

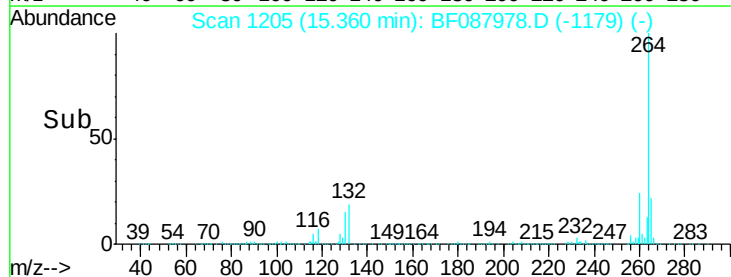
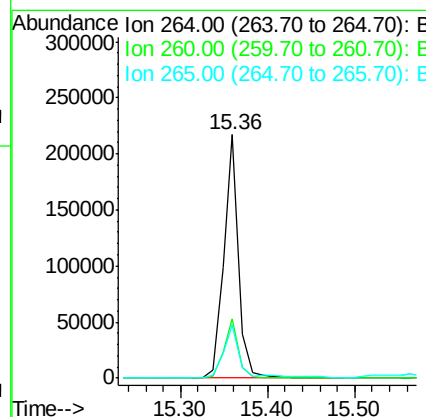
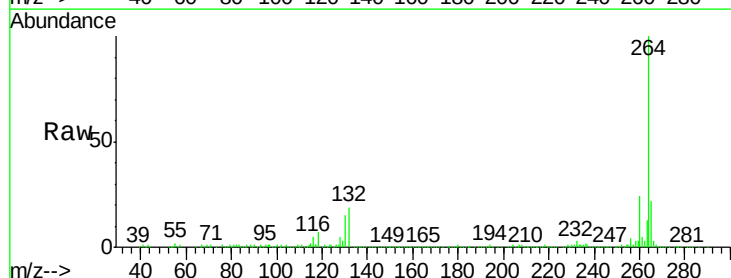
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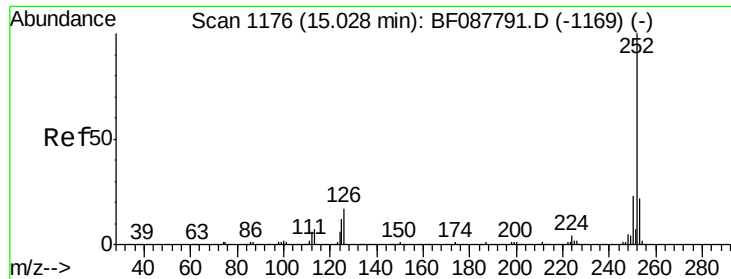
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BF087978.D
Acq: 13 Jun 2016 12:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.8	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 8.63 ng m

RT: 14.96 min Scan# 1170

Delta R.T. -0.00 min

Lab File: BF087978.D

Acq: 13 Jun 2016 12:42

Instrument :

BNA_F

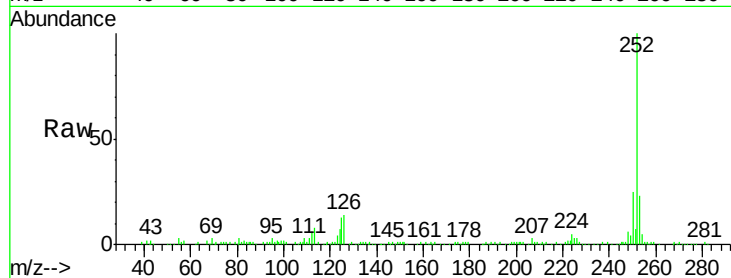
ClientSampleId :

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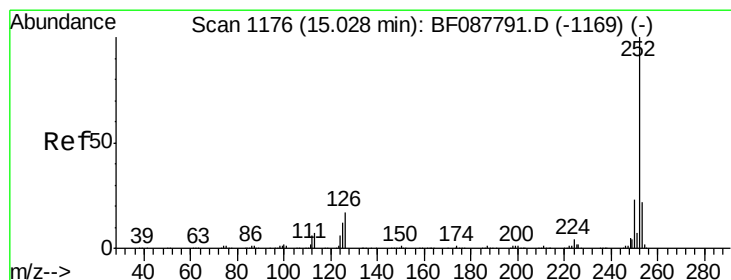
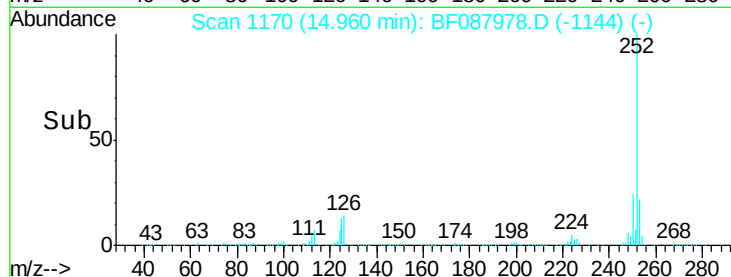
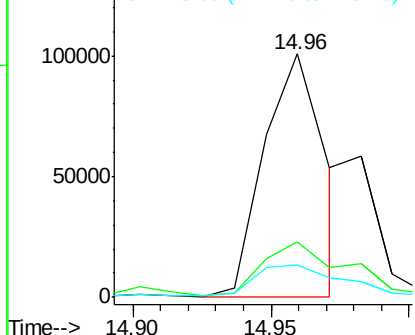
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	13.5	7.1	10.7

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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



#88

Benzo(k)fluoranthene

Concen: 3.74 ng m

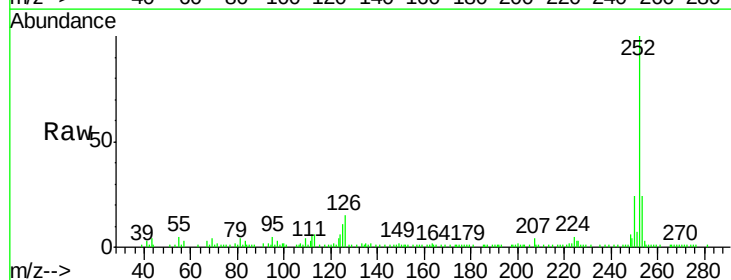
RT: 14.98 min Scan# 1172

Delta R.T. -0.00 min

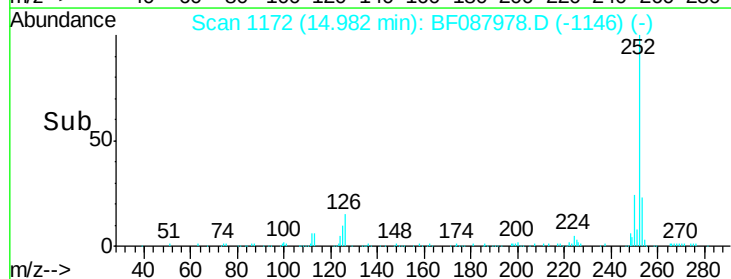
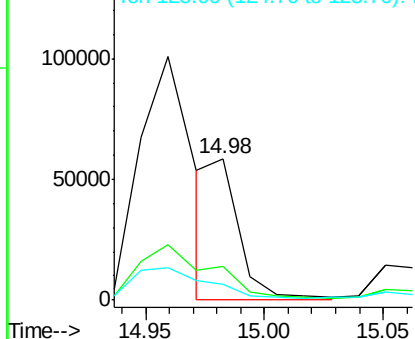
Lab File: BF087978.D

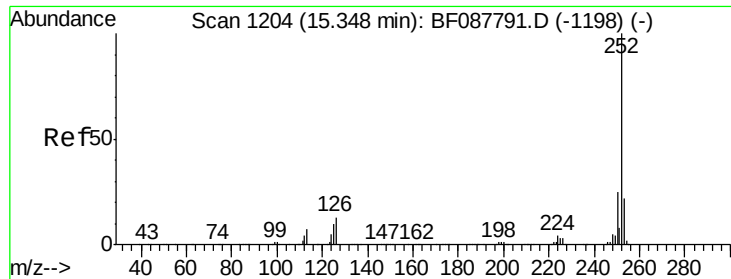
Acq: 13 Jun 2016 12:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	11.4	11.2	16.8



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





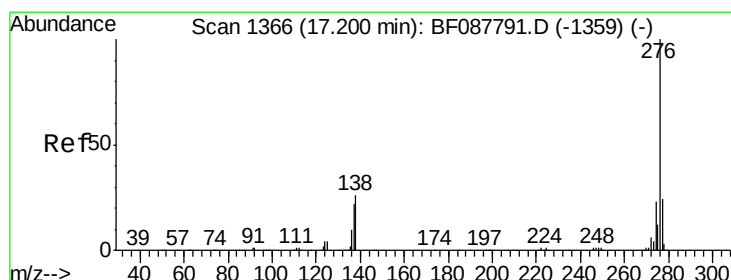
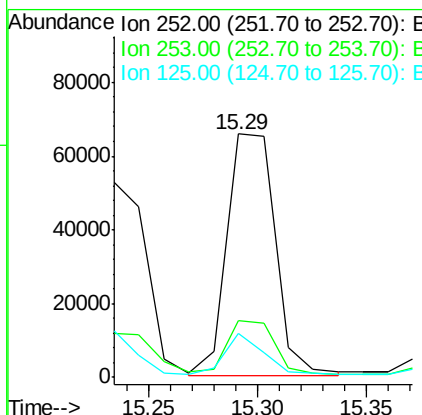
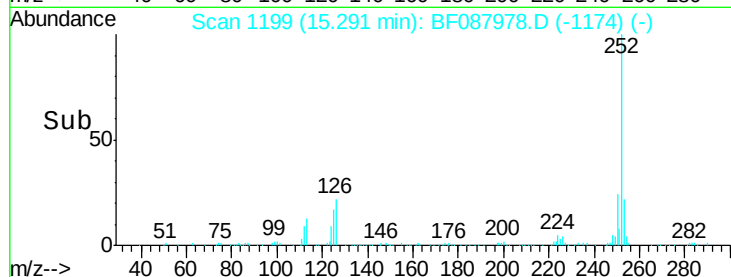
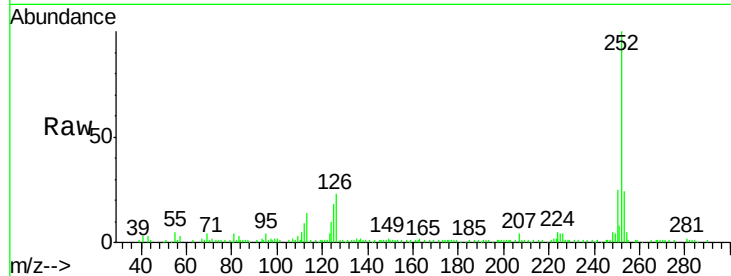
#89
Benzo(a)pyrene
Concen: 6.94 ng
RT: 15.29 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF087978.D
Acq: 13 Jun 2016 12:42

Instrument :
BNA_F
ClientSampleId :
SB-09-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	23.6	17.9	26.9		
125	18.3	12.5	18.7		

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#91
Benzo(g,h,i)perylene
Concen: 4.59 ng
RT: 17.12 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BF087978.D
Acq: 13 Jun 2016 12:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	24.1	18.9	28.3		
138	23.8	21.4	32.2		

