

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\
 Data File : BF079012.D
 Acq On : 7 May 2015 22:58
 Operator : TP/IZ
 Sample : G2116-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-45D

Manual Integrations
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Quant Time: May 08 02:10:21 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 08 00:46:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	57854	20.00	ng	0.01
21) Naphthalene-d8	8.92	136	235974	20.00	ng	0.01
38) Acenaphthene-d10	11.10	164	118873	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	233859	20.00	ng	0.01
75) Chrysene-d12	16.24	240	255613	20.00	ng	-0.03
86) Perylene-d12	17.99	264	281294	20.00	ng	-0.15
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	384848	114.51	ng	0.01
7) Phenol-d6	6.90	99	515094	115.95	ng	0.01
23) Nitrobenzene-d5	8.03	82	293946	71.59	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	143353	111.47	ng	0.00
44) 2-Fluorobiphenyl	10.26	172	524547	61.48	ng	0.00
78) Terphenyl-d14	14.95	244	623551	58.40	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	8.95	128	29667	2.64	ng	99
49) Dimethylphthalate	10.76	163	36953	4.24	ng	99
51) Acenaphthene	11.14	154	38684	5.36	ng	97
54) Dibenzofuran	11.35	168	31748	3.05	ng	95
57) Fluorene	11.78	166	47799	5.59	ng	100
70) Phenanthrene	12.97	178	443432	33.89	ng	99
71) Anthracene	13.04	178	130173	10.14	ng	99
72) Carbazole	13.25	167	28371	2.32	ng	99
74) Fluoranthene	14.46	202	476399	34.95	ng	98
77) Pyrene	14.74	202	439714	29.85	ng	99
80) Benzo(a)anthracene	16.23	228	221487	15.82	ng	99
82) Chrysene	16.27	228	176262	13.09	ng	97
85) Indeno(1,2,3-cd)pyrene	19.47	276	81852m	4.77	ng	
87) Benzo(b)fluoranthene	17.53	252	232830	15.12	ng	99
88) Benzo(k)fluoranthene	17.57	252	50837m	3.41	ng	
89) Benzo(a)pyrene	17.92	252	167528	11.82	ng	98
91) Benzo(a,h,i)perylene	19.93	276	77922	5.16	ng	97

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

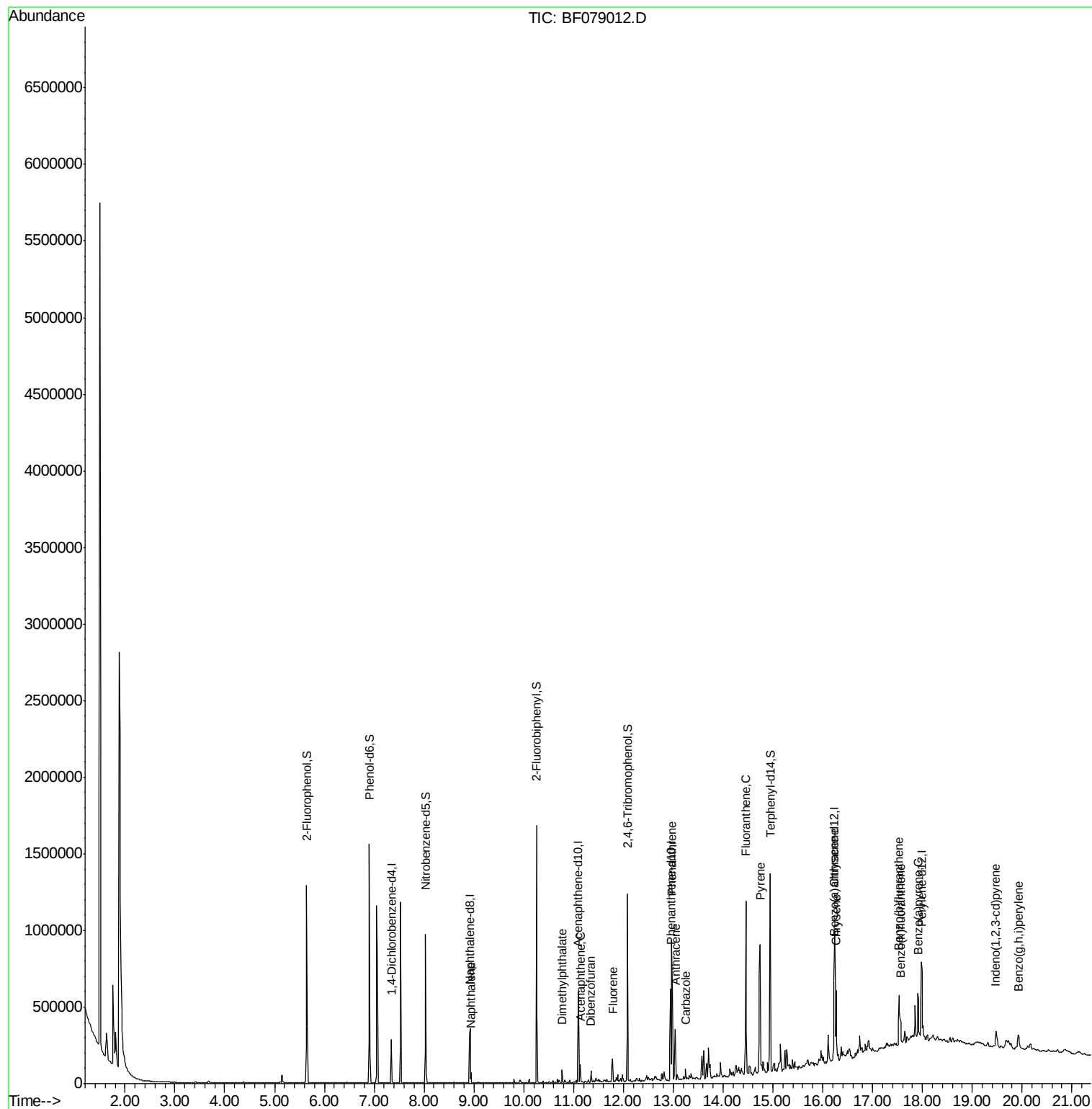
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\
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#1

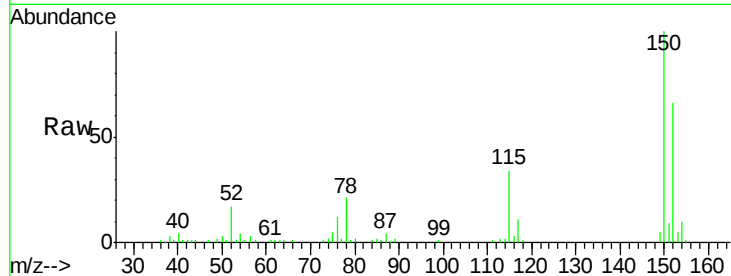
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.35 min Scan# 539
Delta R.T. 0.01 min
Lab File: BF079012.D
Acq: 7 May 2015 22:58

Instrument :
BNA_F
ClientSampled :
SB-45D

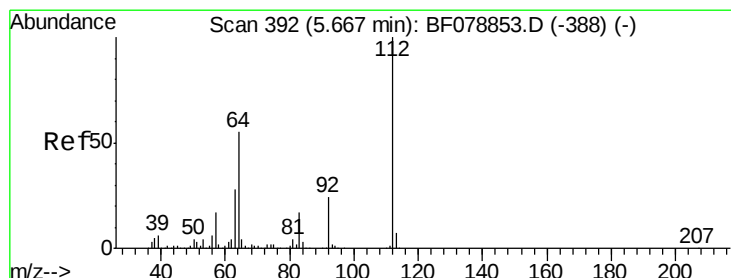
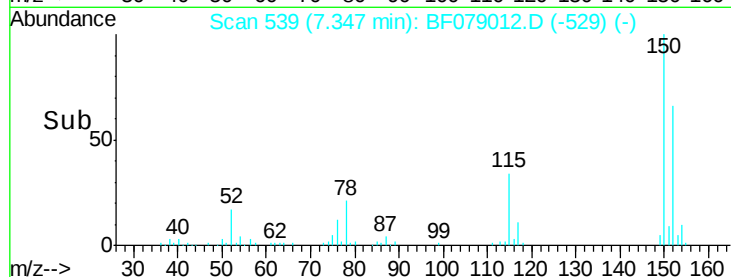
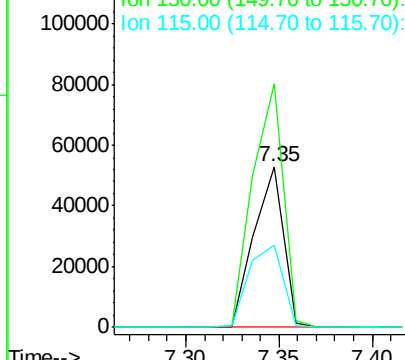
Tot Ion	Ratio	Lower	Upper
152	100		
150	151.5	122.0	183.0
115	51.6	46.3	69.5

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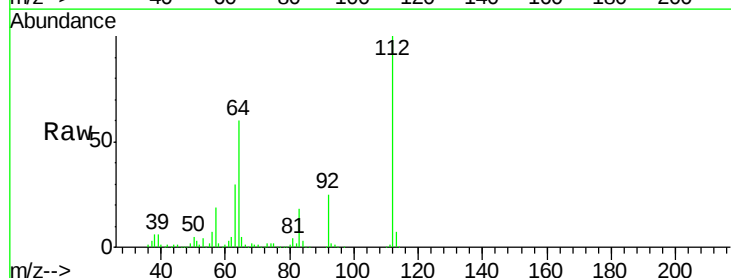
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



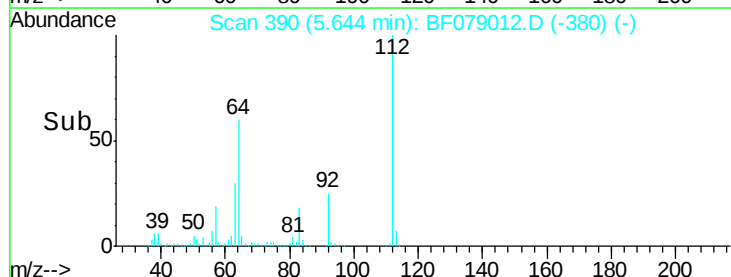
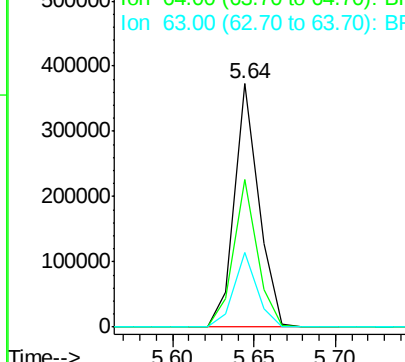
#5

2-Fluorophenol
Concen: 114.51 ng
RT: 5.64 min Scan# 390
Delta R.T. 0.01 min
Lab File: BF079012.D
Acq: 7 May 2015 22:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	53.5	80.3
63	30.4	27.5	41.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 115.95 ng

RT: 6.90 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF079012.D

Acq: 7 May 2015 22:58

Instrument :

BNA_F

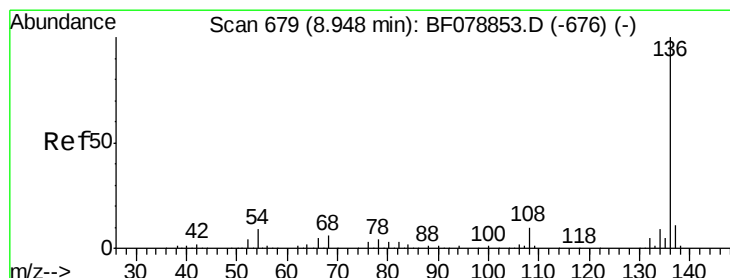
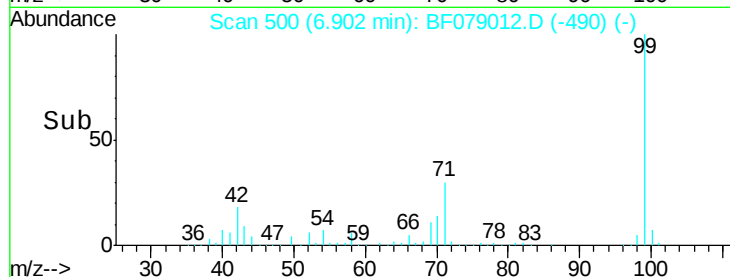
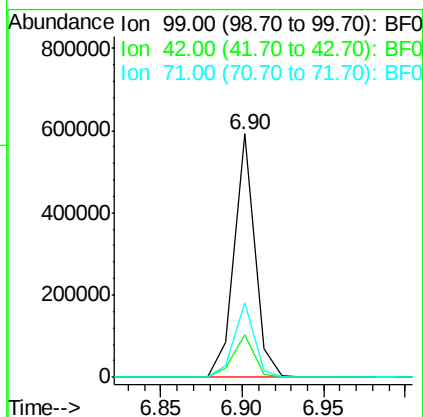
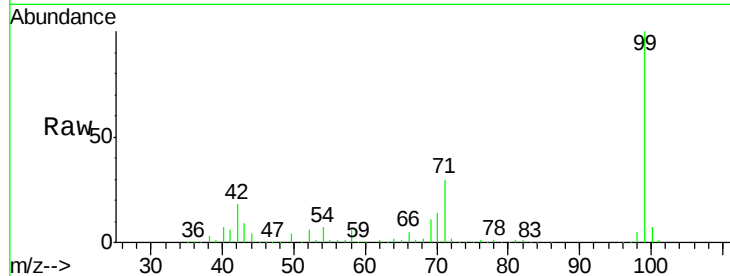
ClientSampled :

SB-45D

Tot Ion:	99	Resp:	515094
Ion Ratio	Lower	Upper	
99	100		
42	17.7	12.8	19.2
71	30.5	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

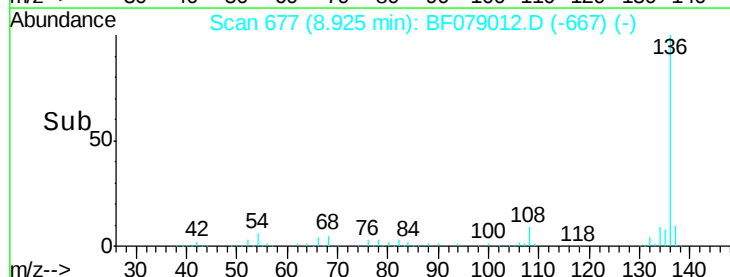
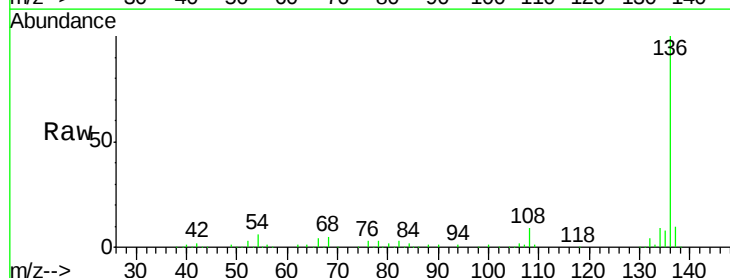
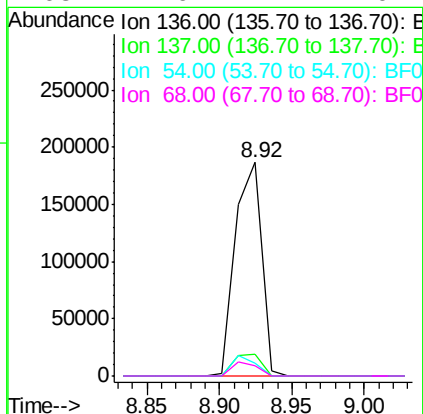
RT: 8.92 min Scan# 677

Delta R.T. 0.01 min

Lab File: BF079012.D

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Tgt Ion:	136	Resp:	235974
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.7	13.1
54	5.7	5.8	8.8#
68	4.6	4.2	6.4





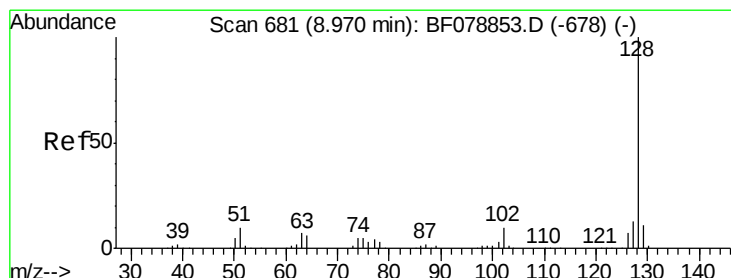
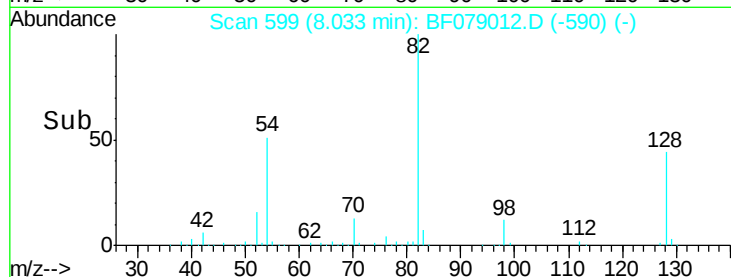
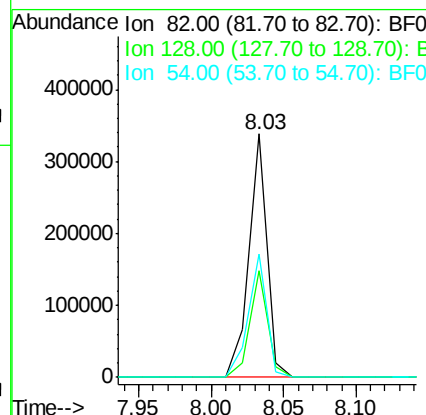
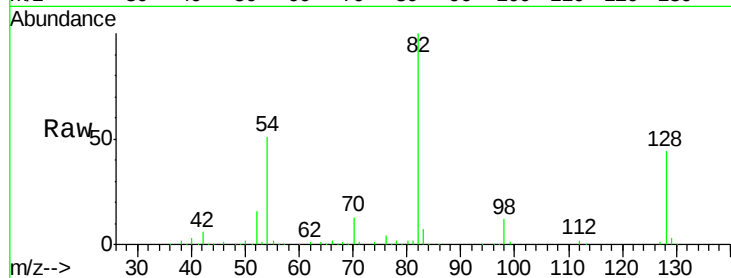
#23
Nitrobenzene-d5
Concen: 71.59 ng
RT: 8.03 min Scan# 599
Delta R.T. -0.00 min
Lab File: BF079012.D
Acq: 7 May 2015 22:58

Instrument :
BNA_F
ClientSampleId :
SB-45D

Tot Ion	Ratio	Resp	Lower	Upper
82	100	293946		
128	44.0	30.0	45.0	
54	50.7	46.4	69.6	

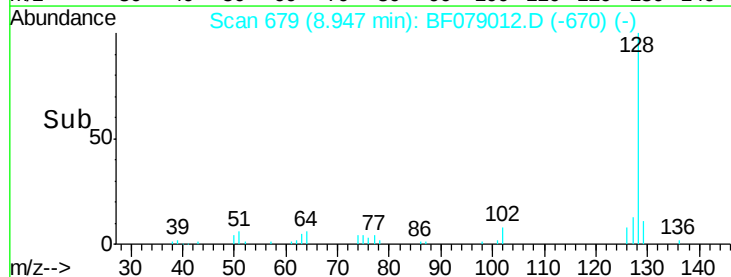
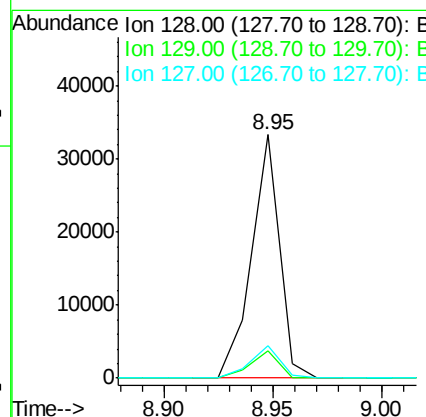
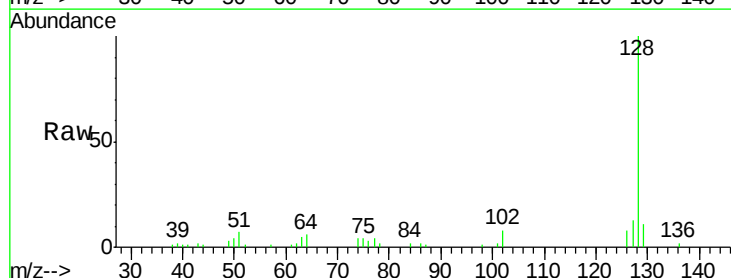
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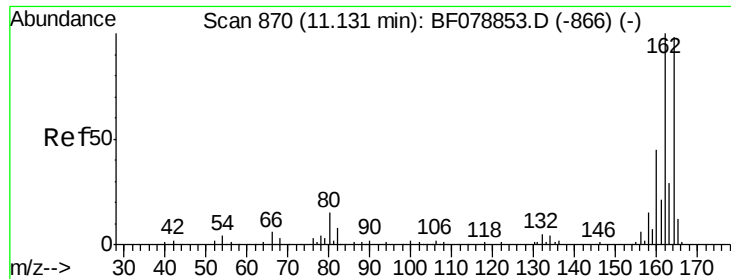
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#31
Naphthalene
Concen: 2.64 ng
RT: 8.95 min Scan# 679
Delta R.T. -0.00 min
Lab File: BF079012.D
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Tgt Ion	Ratio	Resp	Lower	Upper
128	100	29667		
129	11.3	9.3	13.9	
127	13.2	10.7	16.1	





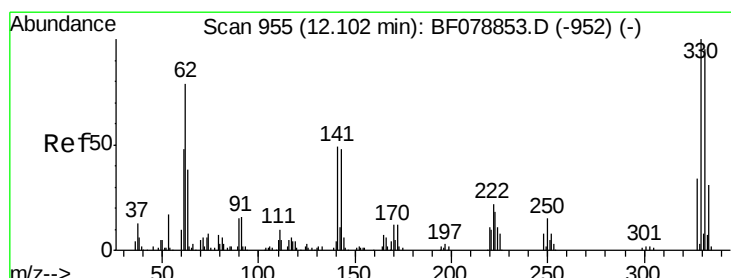
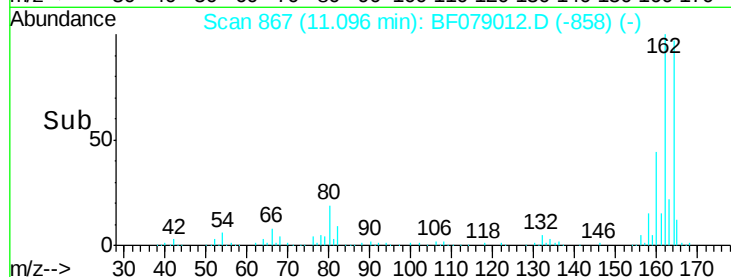
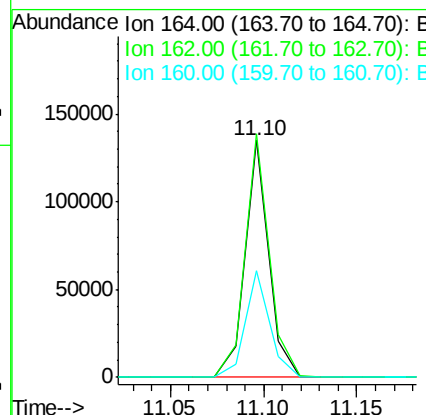
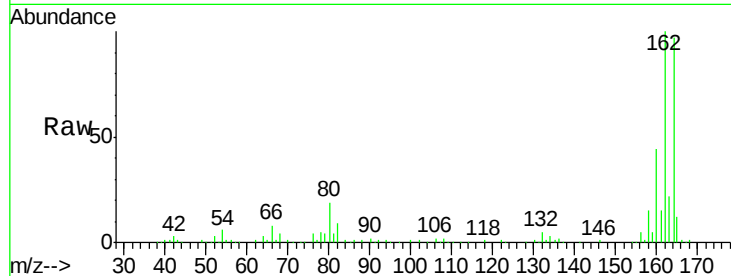
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 867
Delta R.T. -0.00 min
Lab File: BF079012.D
Acq: 7 May 2015 22:58

Instrument :
BNA_F
ClientSampleId :
SB-45D

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.7	124.1
160	44.9	35.8	53.8

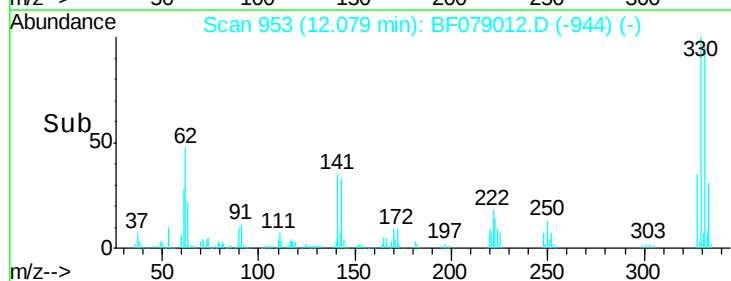
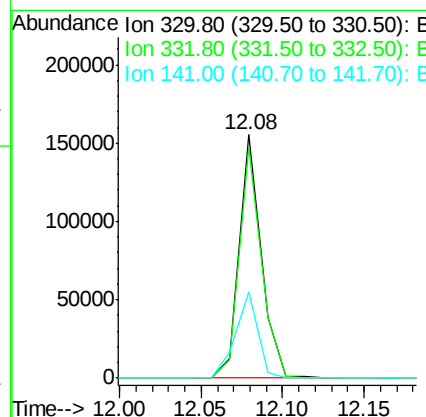
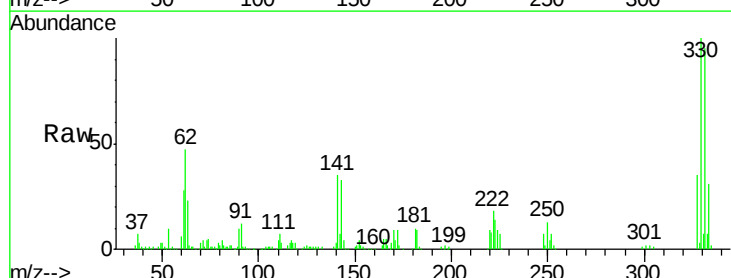
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#41
2,4,6-Tribromophenol
Concen: 111.47 ng
RT: 12.08 min Scan# 953
Delta R.T. -0.00 min
Lab File: BF079012.D
Acq: 7 May 2015 22:58

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	0.0	0.0#
141	37.3	0.0	0.0#





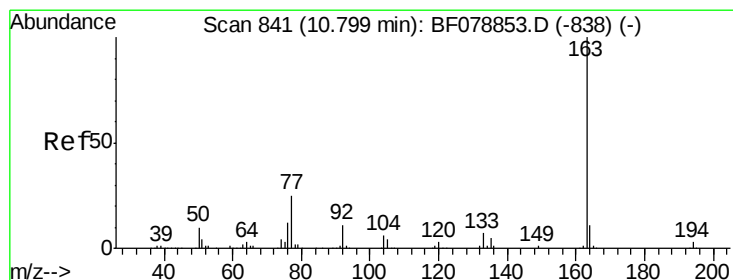
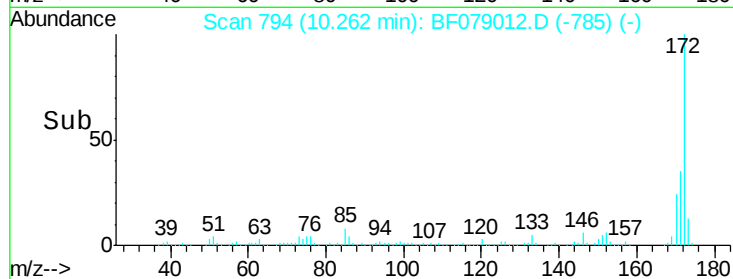
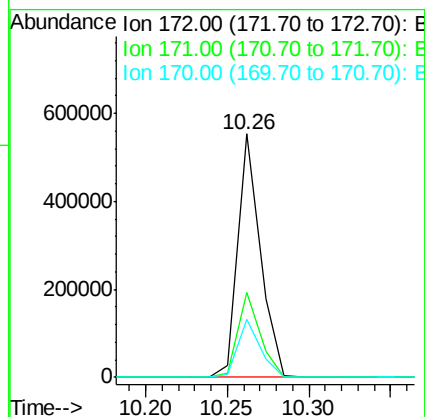
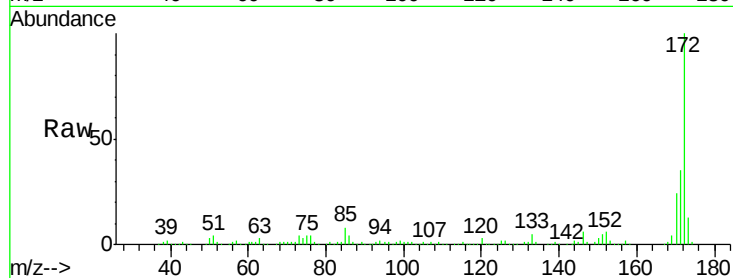
#44
2-Fluorobiphenyl
Concen: 61.48 ng
RT: 10.26 min Scan# 794
Delta R.T. -0.00 min
Lab File: BF079012.D
Acq: 7 May 2015 22:58

Instrument :
BNA_F
ClientSampleId :
SB-45D

Tot Ion	Ratio	Resp	Lower	Upper
172	100	524547		
171	35.0		27.9	41.9
170	23.8		19.4	29.0

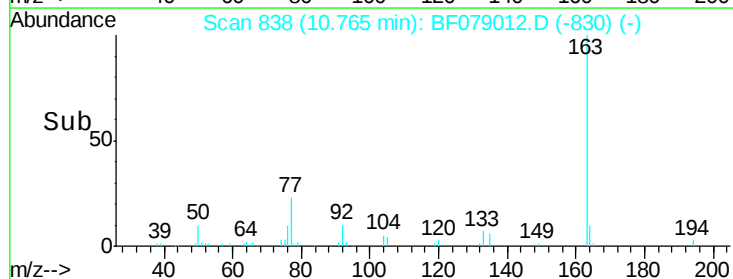
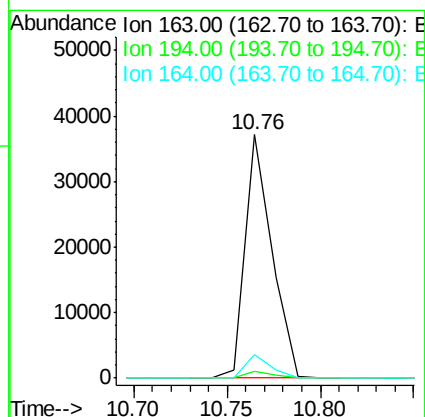
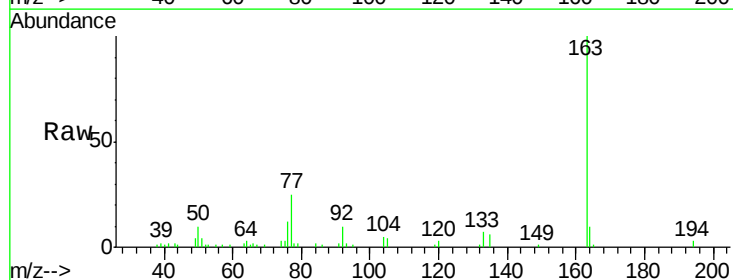
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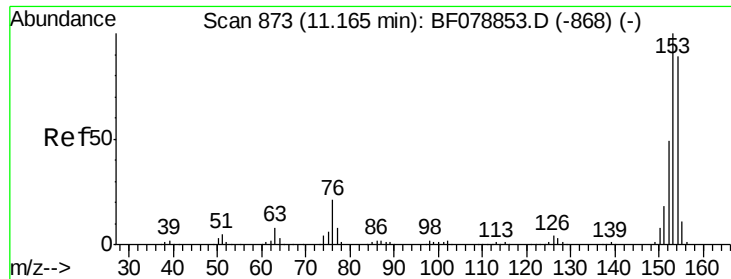
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#49
Dimethylphthalate
Concen: 4.24 ng
RT: 10.76 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF079012.D
Acq: 7 May 2015 22:58

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	36953		
194	2.7		2.6	4.0
164	9.6		8.1	12.1





#51

Acenaphthene

Concen: 5.36 ng

RT: 11.14 min Scan# 871

Delta R.T. 0.01 min

Lab File: BF079012.D

Acq: 7 May 2015 22:58

Instrument :

BNA_F

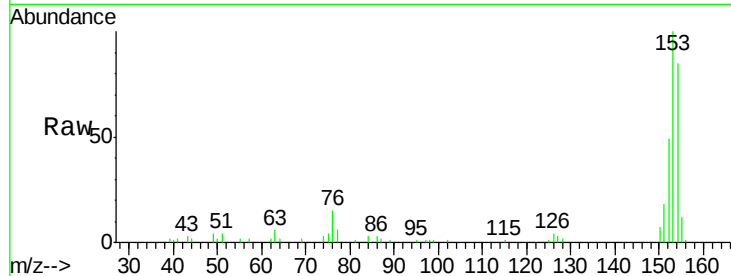
ClientSampleId :

SB-45D

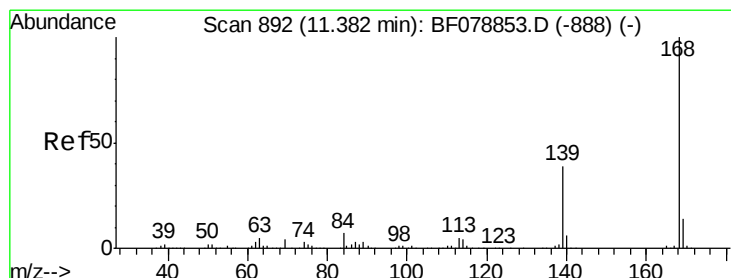
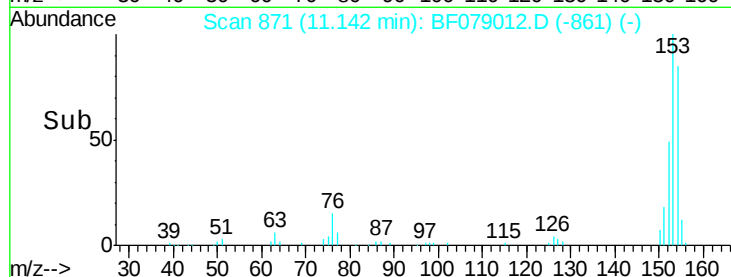
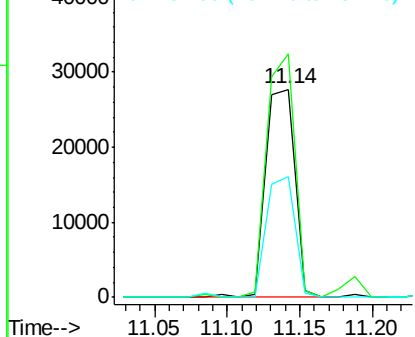
Tot Ion:	154	Resp:	38684
Ion	Ratio	Lower	Upper
154	100		
153	117.1	91.5	137.3
152	57.8	44.2	66.4

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 3.05 ng

RT: 11.35 min Scan# 889

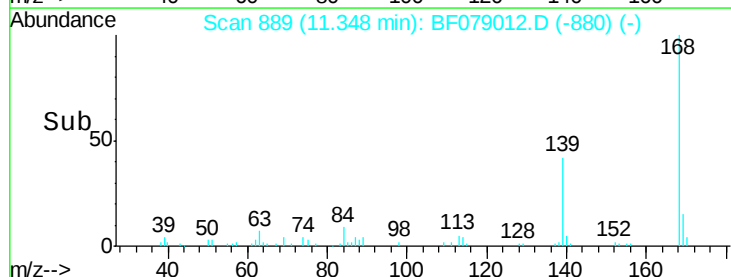
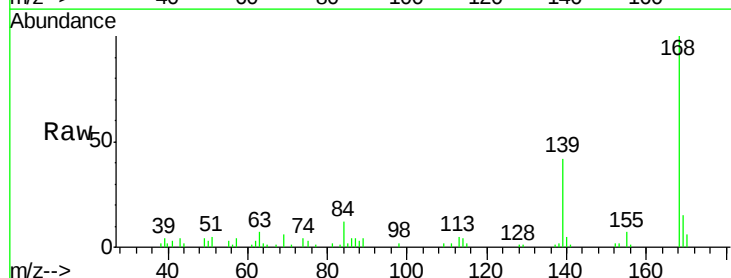
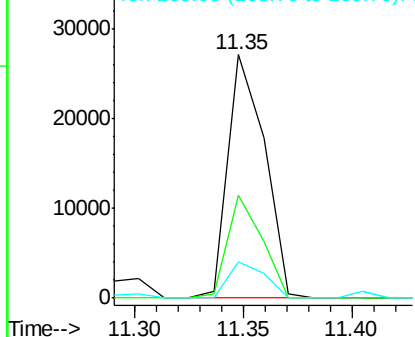
Delta R.T. -0.00 min

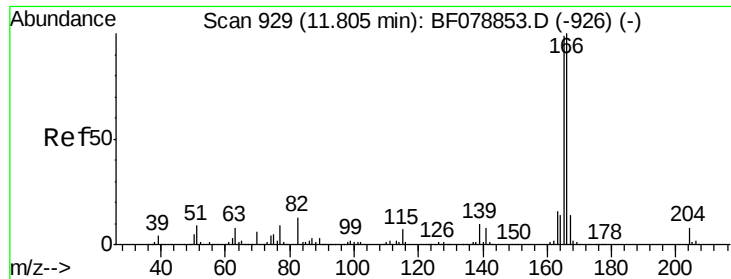
Lab File: BF079012.D

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Tgt Ion:	168	Resp:	31748
Ion	Ratio	Lower	Upper
168	100		
139	42.2	31.0	46.4
169	14.8	10.6	16.0

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





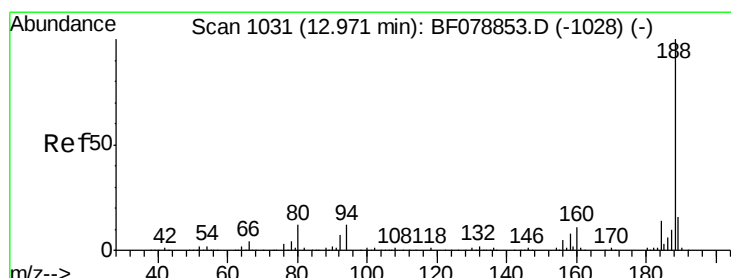
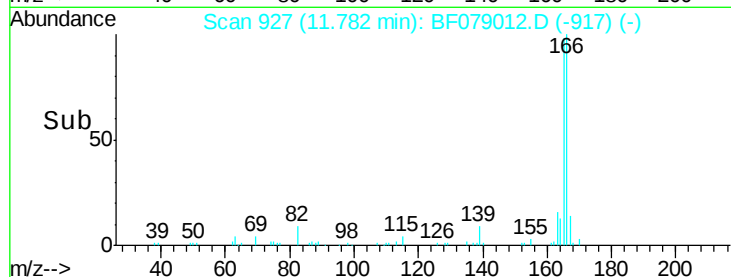
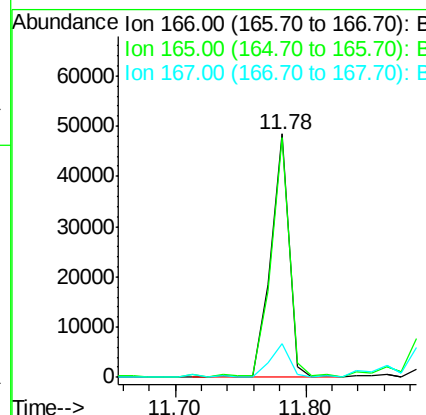
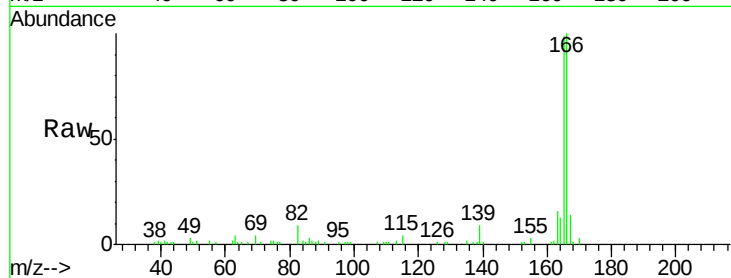
#57
Fluorene
 Concen: 5.59 ng
 RT: 11.78 min Scan# 927
 Delta R.T. 0.01 min
 Lab File: BF079012.D
 Acq: 7 May 2015 22:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-45D

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.5	117.7
167	13.8	11.0	16.6

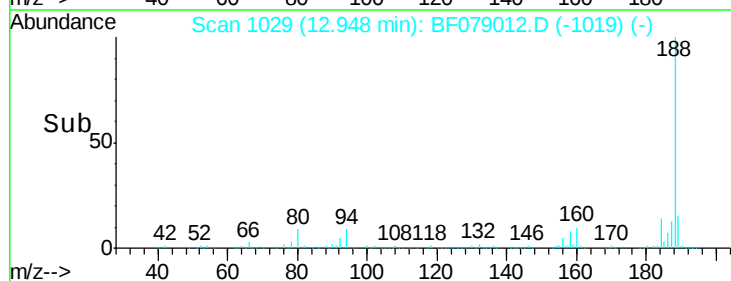
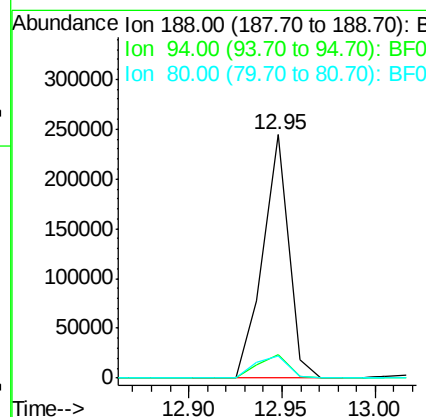
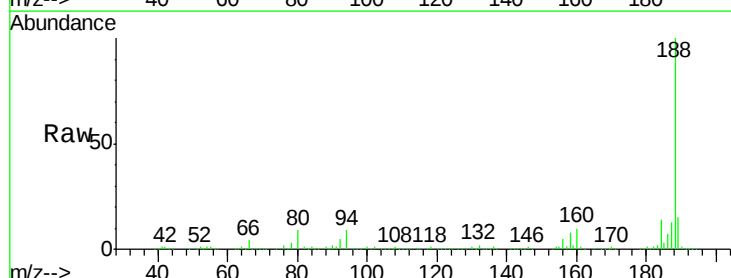
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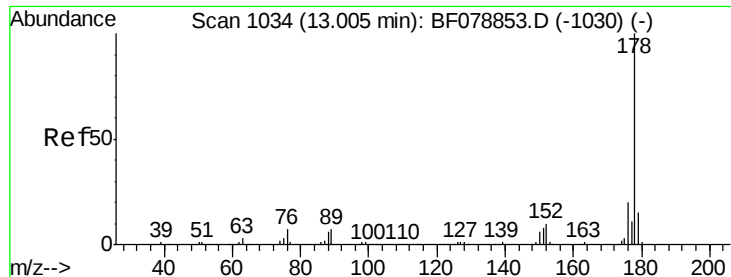
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.95 min Scan# 1029
 Delta R.T. 0.01 min
 Lab File: BF079012.D
 Acq: 7 May 2015 22:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.2	12.2
80	9.3	8.9	13.3





#70

Phenanthrene

Concen: 33.89 ng

RT: 12.97 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF079012.D

Acq: 7 May 2015 22:58

Instrument :

BNA_F

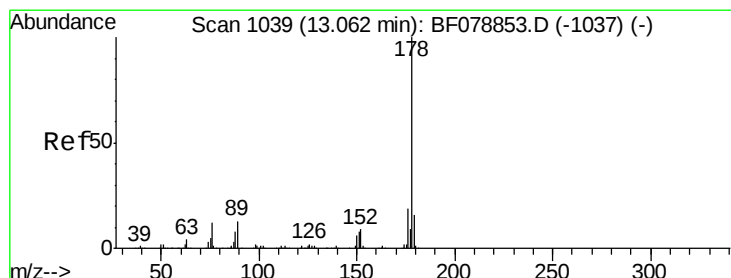
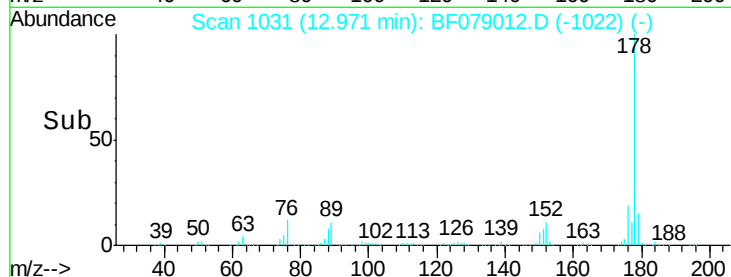
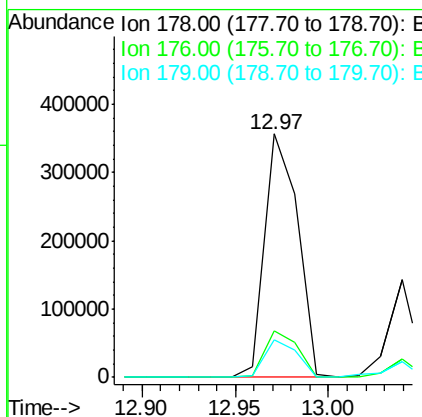
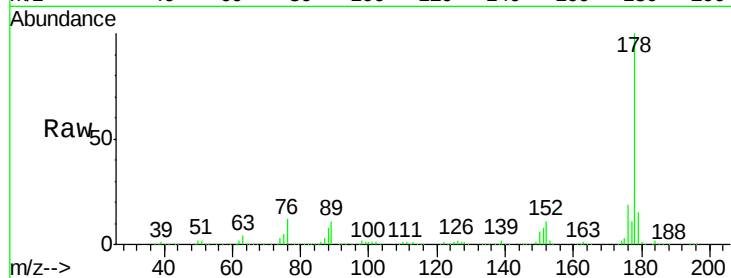
ClientSampleId :

SB-45D

Tot Ion:	178	Resp:	443432
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.8	23.8
179	15.5	12.5	18.7

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#71

Anthracene

Concen: 10.14 ng

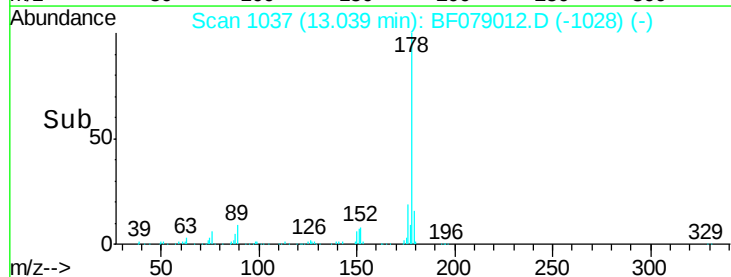
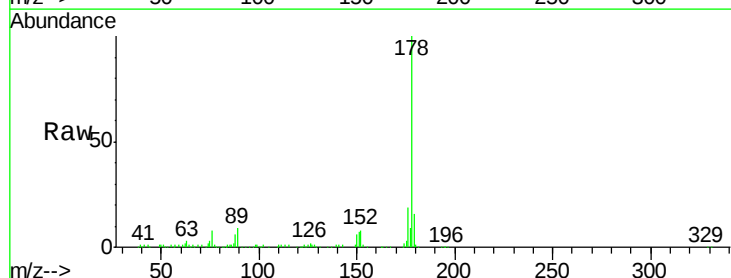
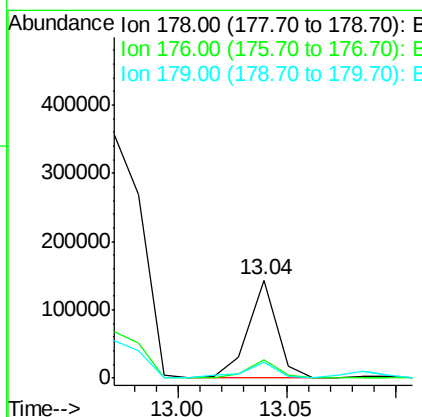
RT: 13.04 min Scan# 1037

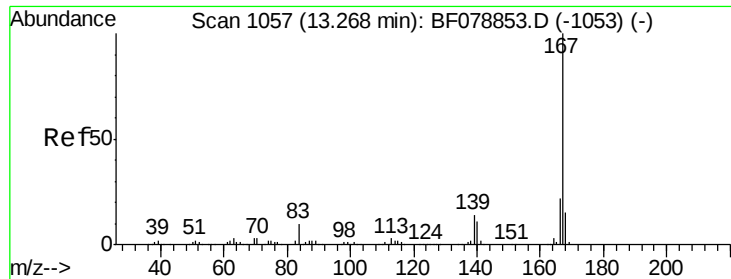
Delta R.T. -0.00 min

Lab File: BF079012.D

Acq: 7 May 2015 22:58

Tgt Ion:	178	Resp:	130173
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.5	23.3
179	15.6	12.7	19.1





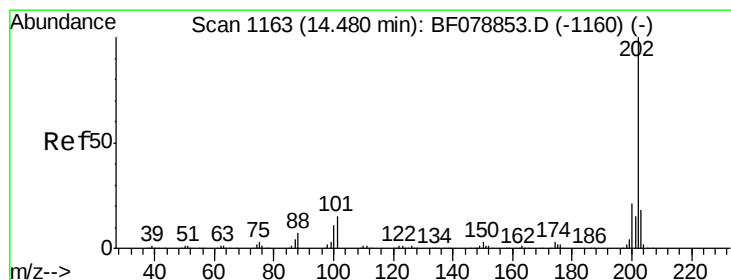
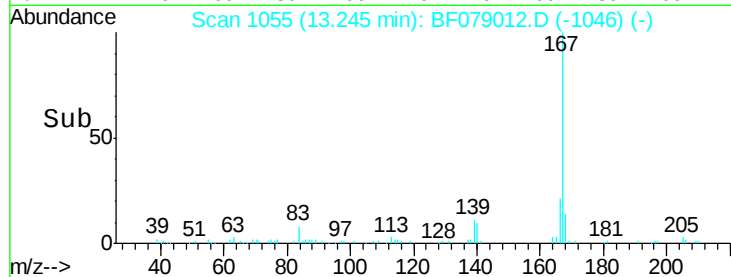
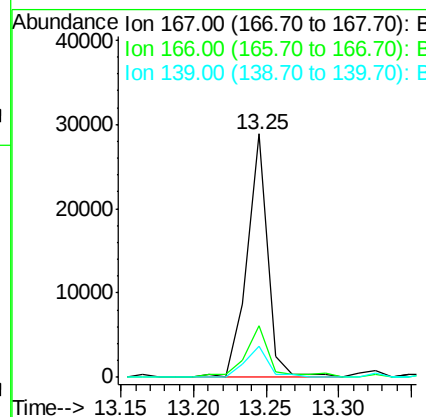
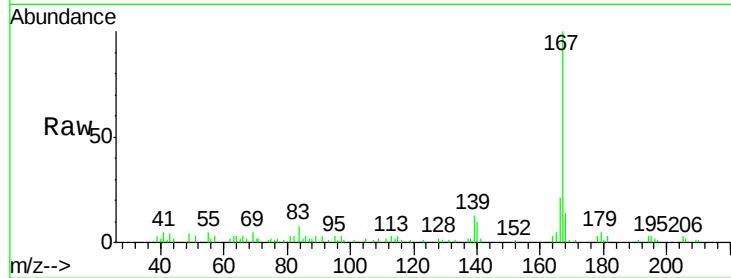
#72
 Carbazole
 Concen: 2.32 ng
 RT: 13.25 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: BF079012.D
 Acq: 7 May 2015 22:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-45D

Tot Ion:	167	Resp:	28371
Ion Ratio	Lower	Upper	
167	100		
166	21.4	17.8	26.8
139	12.9	10.6	16.0

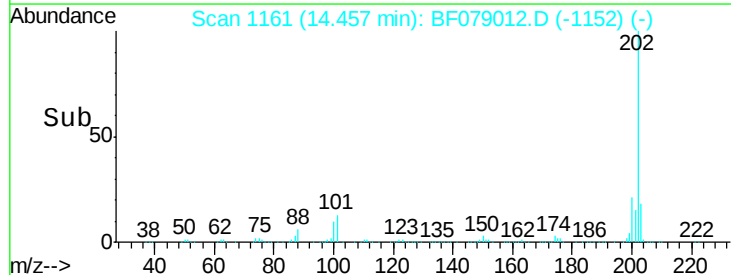
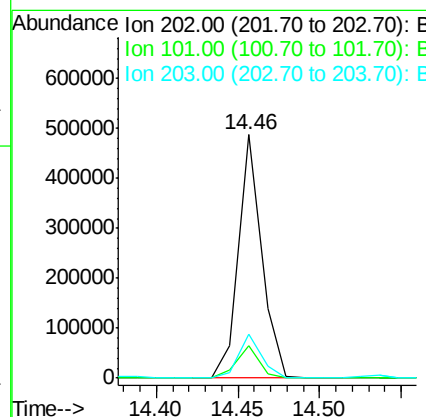
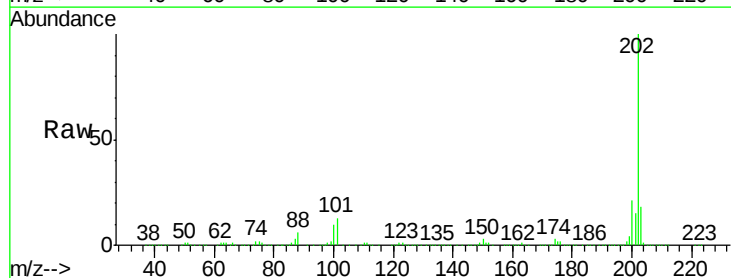
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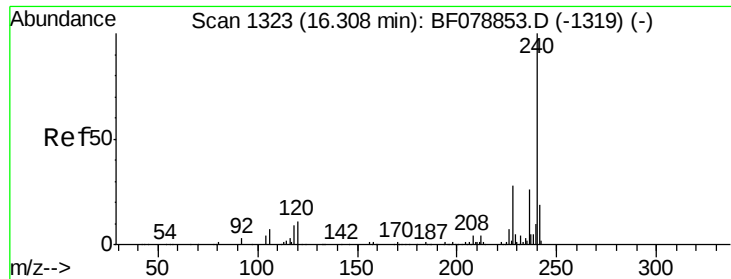
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#74
 Fluoranthene
 Concen: 34.95 ng
 RT: 14.46 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: BF079012.D
 Acq: 7 May 2015 22:58

Tgt Ion:	202	Resp:	476399
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	34.6
203	18.0	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.24 min Scan# 1317

Delta R.T. -0.03 min

Lab File: BF079012.D

Acq: 7 May 2015 22:58

Instrument :

BNA_F

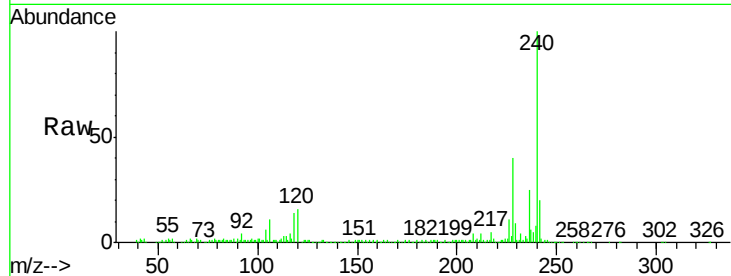
ClientSampleId :

SB-45D

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.6	9.7	14.5#
236	25.4	20.2	30.4

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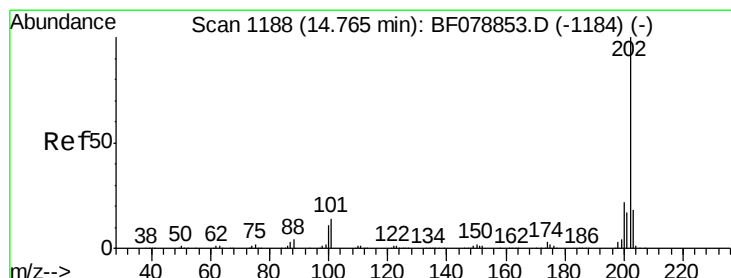
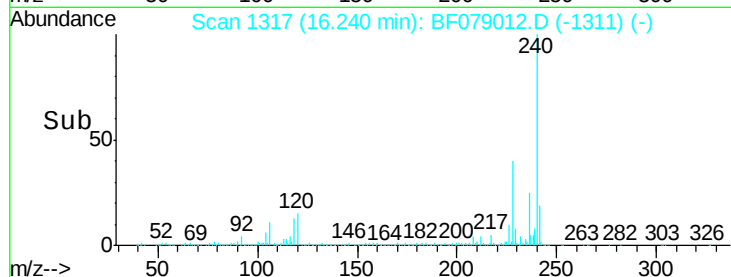
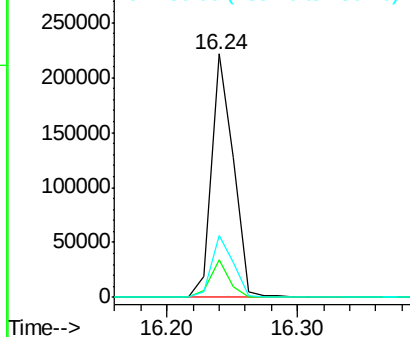
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 29.85 ng

RT: 14.74 min Scan# 1186

Delta R.T. 0.01 min

Lab File: BF079012.D

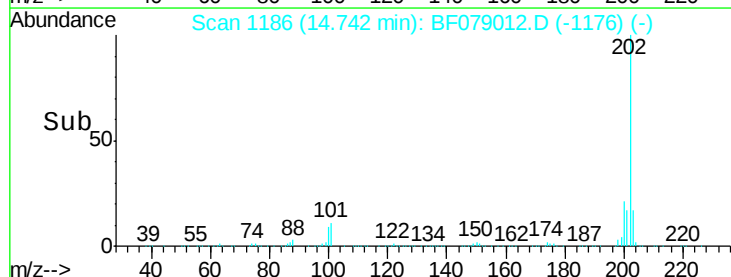
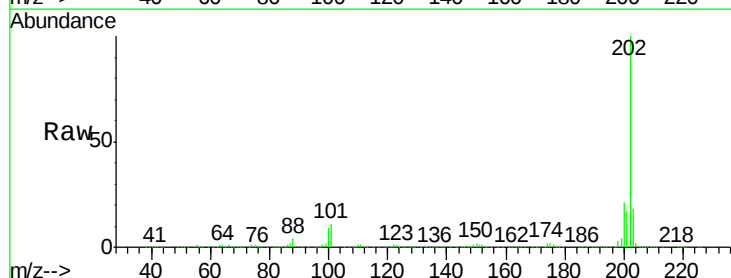
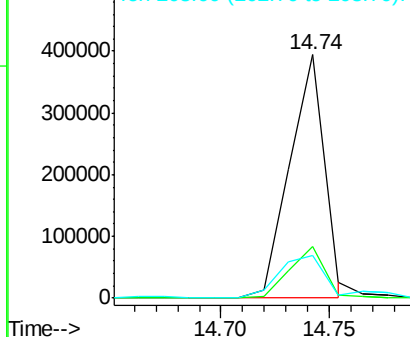
Acq: 7 May 2015 22:58

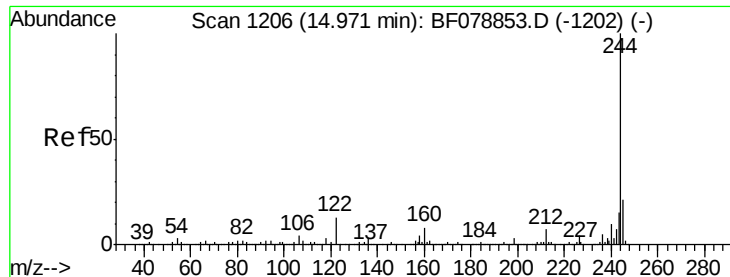
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.5	26.3
203	17.6	13.9	20.9

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: 58.40 ng

RT: 14.95 min Scan# 1204

Delta R.T. 0.01 min

Lab File: BF079012.D

Acq: 7 May 2015 22:58

Instrument :

BNA_F

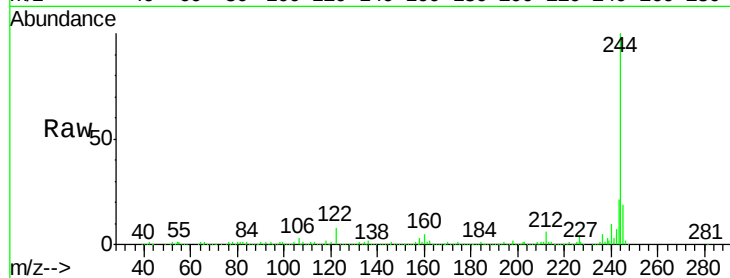
ClientSampleId :

SB-45D

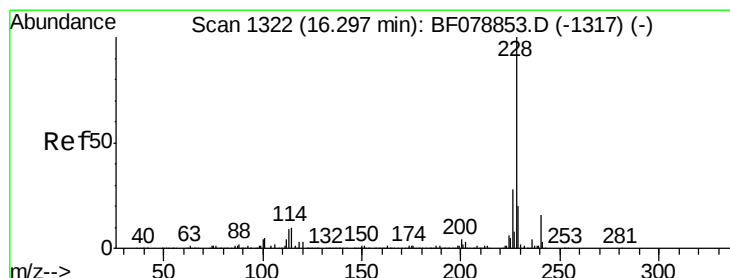
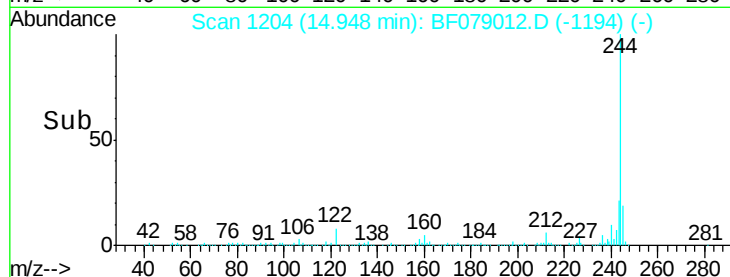
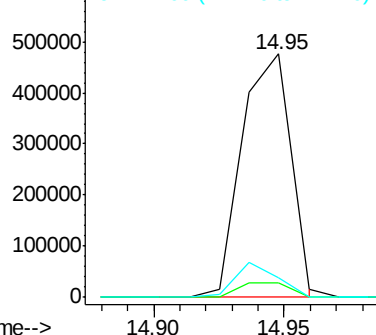
Tot Ion:	244	Resp:	623551
Ion Ratio		Lower	Upper
244	100		
212	5.7	5.6	8.4
122	8.2	10.3	15.5#

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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: 15.82 ng

RT: 16.23 min Scan# 1316

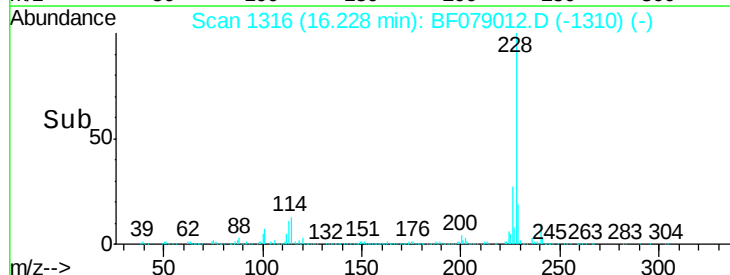
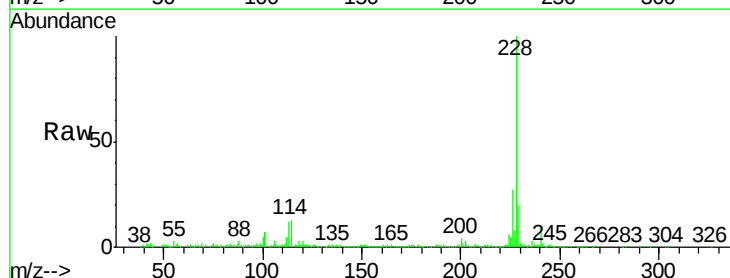
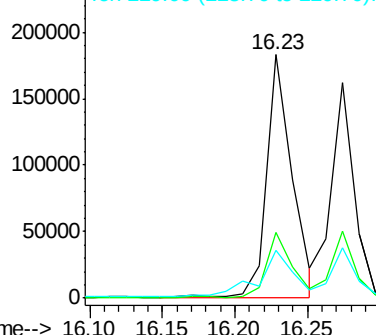
Delta R.T. -0.03 min

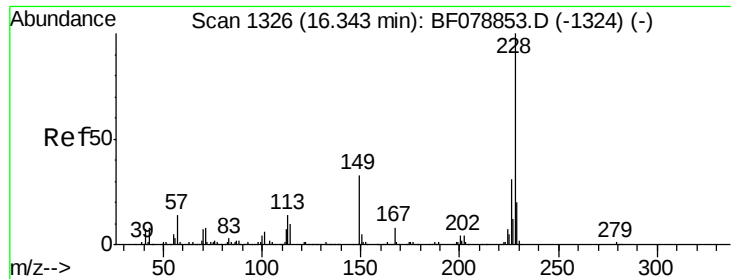
Lab File: BF079012.D

Acq: 7 May 2015 22:58

Tgt Ion:	228	Resp:	221487
Ion Ratio		Lower	Upper
228	100		
226	27.2	22.6	33.8
229	19.7	15.9	23.9

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





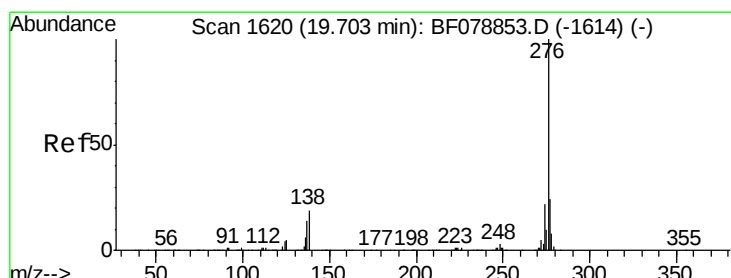
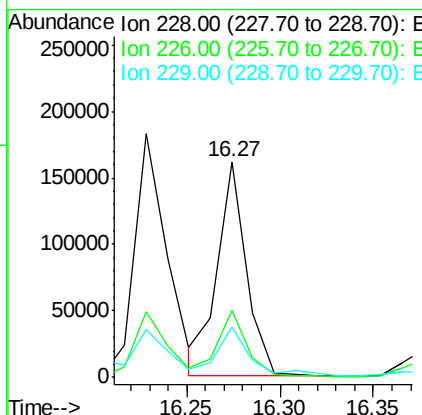
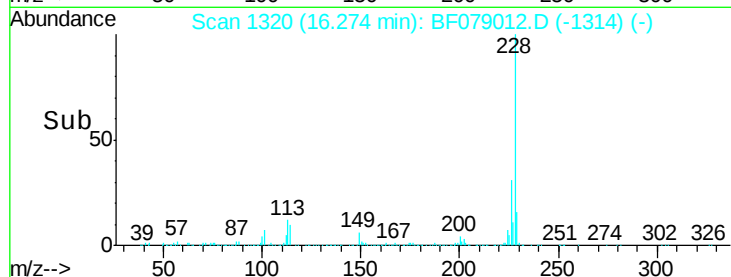
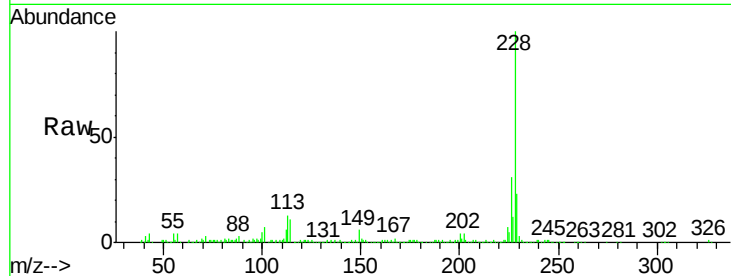
#82
Chrysene
Concen: 13.09 ng
RT: 16.27 min Scan# 1320
Delta R.T. -0.03 min
Lab File: BF079012.D
Acq: 7 May 2015 22:58

Instrument :
BNA_F
ClientSampled :
SB-45D

Tot Ion:	228	Resp:	176262
Ion Ratio		Lower	Upper
228	100		
226	30.8	24.9	37.3
229	23.4	16.0	24.0

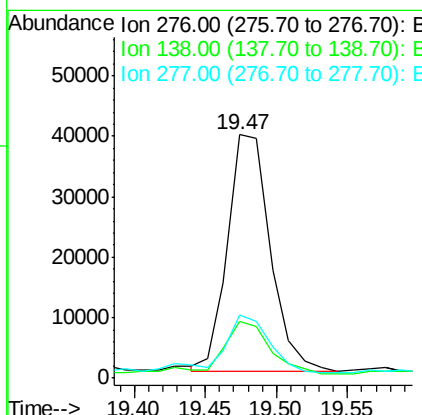
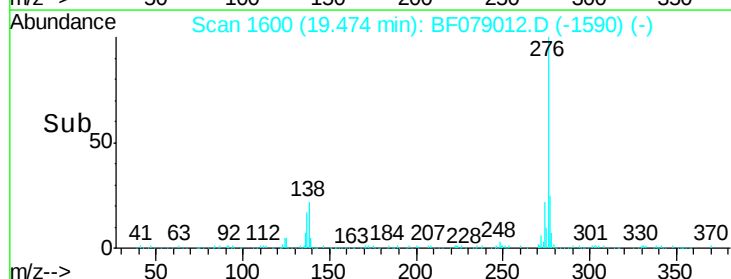
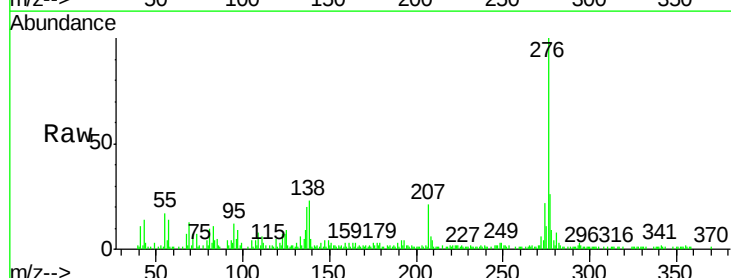
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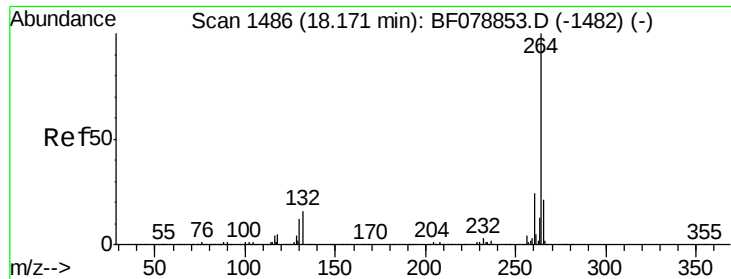
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.77 ng m
RT: 19.47 min Scan# 1600
Delta R.T. -0.18 min
Lab File: BF079012.D
Acq: 7 May 2015 22:58

Tgt Ion:	276	Resp:	81852
Ion Ratio		Lower	Upper
276	100		
138	4.3	0.0	0.0#
277	2.4	0.0	0.0#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 17.99 min Scan# 1470

Delta R.T. -0.15 min

Lab File: BF079012.D

Acq: 7 May 2015 22:58

Instrument :

BNA_F

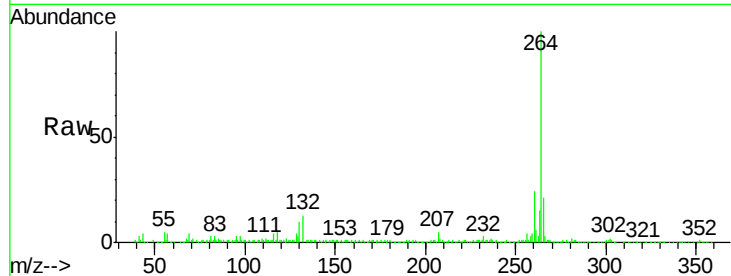
ClientSampleId :

SB-45D

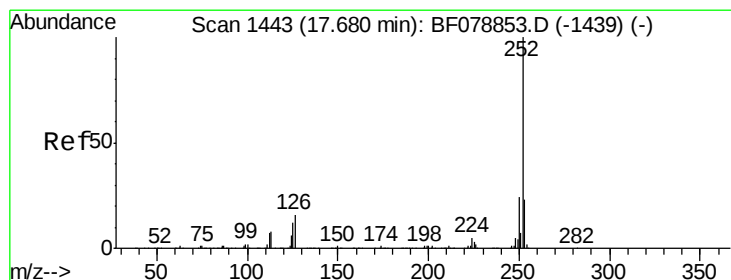
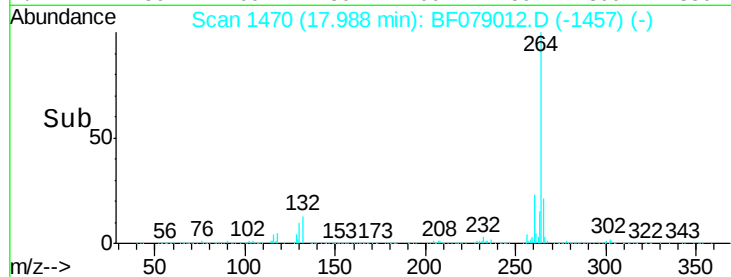
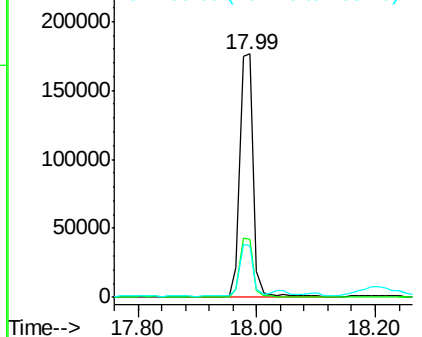
Tot Ion:	264	Resp:	281294
Ion Ratio		Lower	Upper
264	100		
260	23.6	19.4	29.2
265	21.4	18.3	27.5

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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: 15.12 ng

RT: 17.53 min Scan# 1430

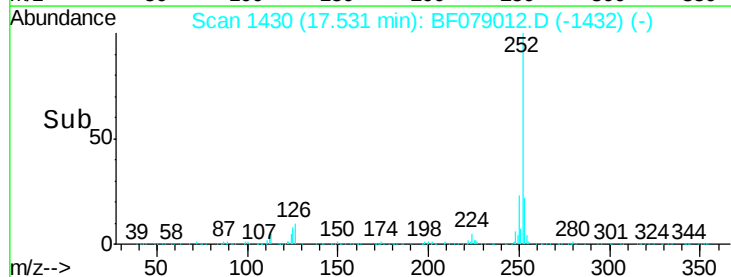
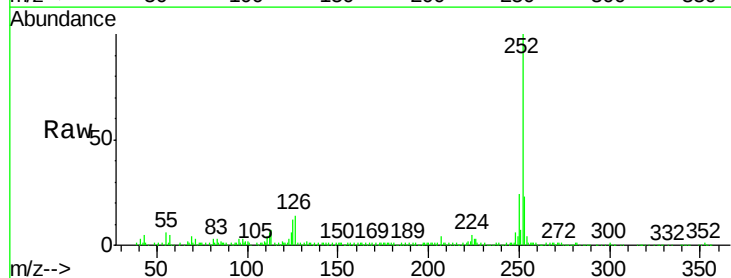
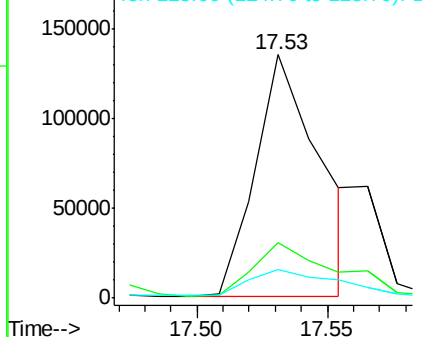
Delta R.T. -0.13 min

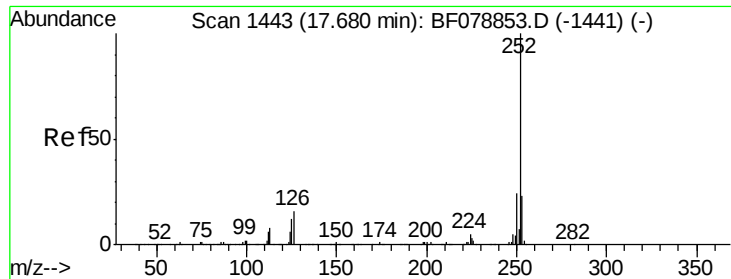
Lab File: BF079012.D

Acq: 7 May 2015 22:58

Tgt Ion:	252	Resp:	232830
Ion Ratio		Lower	Upper
252	100		
253	23.0	17.7	26.5
125	11.7	9.5	14.3

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





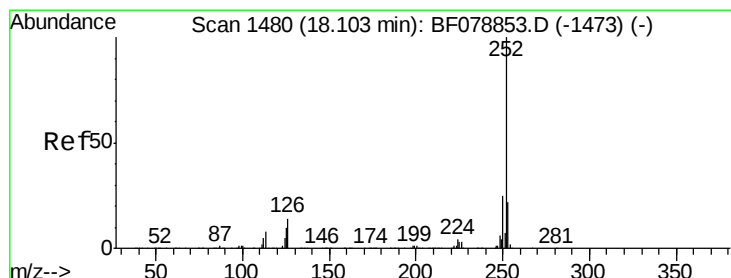
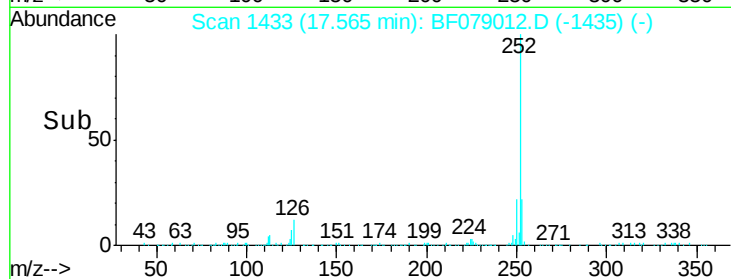
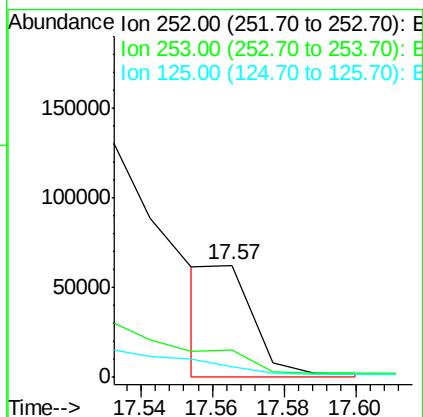
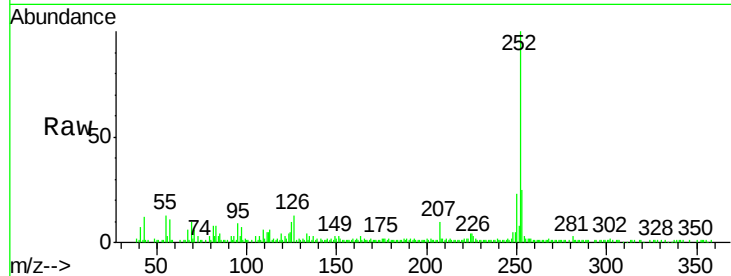
#88
Benzo(k)fluoranthene
Concen: 3.41 ng m
RT: 17.57 min Scan# 1433
Delta R.T. -0.13 min
Lab File: BF079012.D
Acq: 7 May 2015 22:58

Instrument :
BNA_F
ClientSampled :
SB-45D

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.1	27.1
125	9.8	10.0	15.0

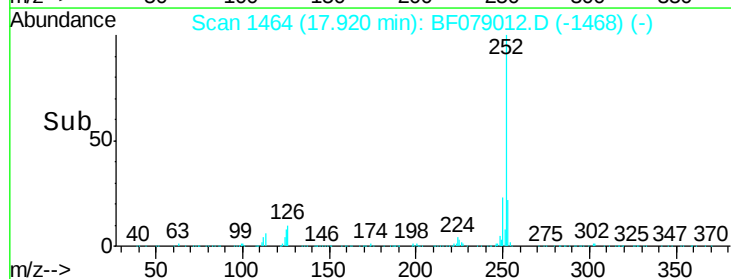
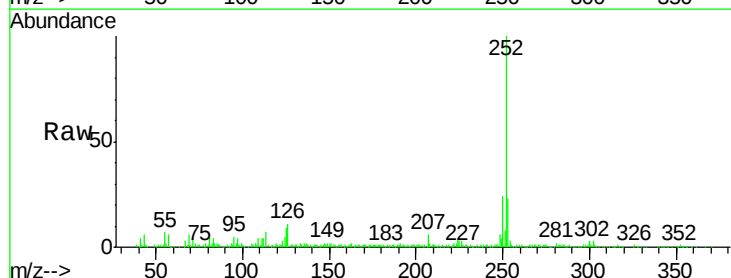
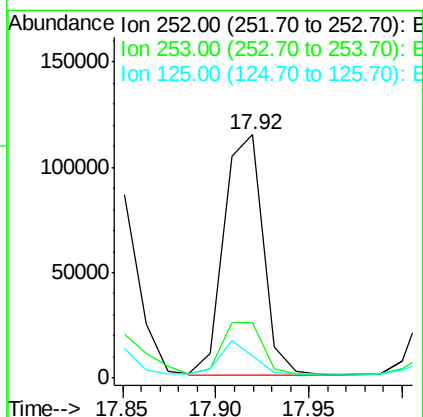
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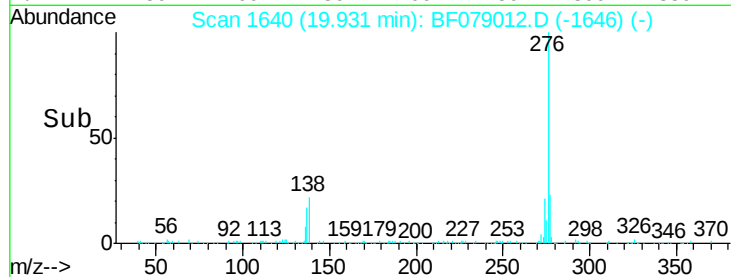
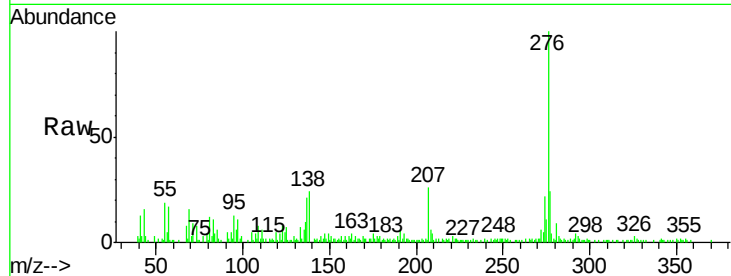
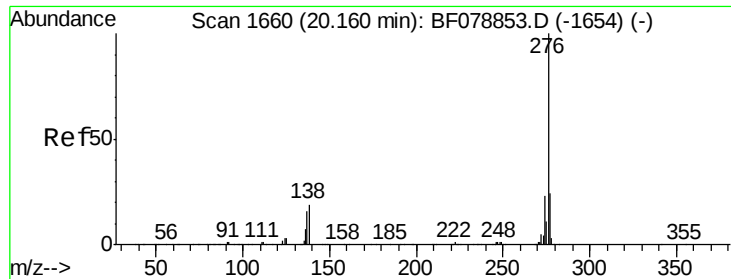
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#89
Benzo(a)pyrene
Concen: 11.82 ng
RT: 17.92 min Scan# 1464
Delta R.T. -0.15 min
Lab File: BF079012.D
Acq: 7 May 2015 22:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	9.4	7.0	10.6





#91
 Benzo(a,h,i)perylene
 Concen: 5.16 ng
 RT: 19.93 min Scan# 1640
 Delta R.T. -0.17 min
 Lab File: BF079012.D
 Acq: 7 May 2015 22:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-45D

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	23.8	17.4	26.0

Manual Integrations
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