

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
 Data File : BF078689.D
 Acq On : 21 Apr 2015 18:01
 Operator : TP/IZ
 Sample : G1943-04RE 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-1RE

Manual Integrations
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Quant Time: Apr 22 11:04:46 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 22 00:52:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.82	152	28641	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	123681	20.00	ng	-0.01
38) Acenaphthene-d10	11.16	164	64515	20.00	ng	-0.01
63) Phenanthrene-d10	13.90	188	123587	20.00	ng	-0.01
75) Chrysene-d12	17.77	240	132178	20.00	ng	-0.01
86) Perylene-d12	19.49	264	129900	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.85	112	7185	4.14	ng	0.02
7) Phenol-d6	5.34	99	9520	4.37	ng	0.01
23) Nitrobenzene-d5	6.75	82	5521	2.71	ng	-0.01
41) 2,4,6-Tribromophenol	12.64	330	2293	4.29	ng	-0.01
44) 2-Fluorobiphenyl	9.99	172	14425	3.20	ng	-0.01
78) Terphenyl-d14	16.43	244	16830	2.88	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	11.22	154	8407	2.23	ng	97
57) Fluorene	12.18	166	13728	2.94	ng	99
70) Phenanthrene	13.94	178	293781	41.09	ng	100
71) Anthracene	14.03	178	79593	11.30	ng	99
72) Carbazole	14.37	167	24504	3.71	ng	98
74) Fluoranthene	15.84	202	577070	76.54	ng	93
77) Pyrene	16.15	202	530898	63.98	ng	# 94
80) Benzo(a)anthracene	17.76	228	286635	36.45	ng	99
82) Chrysene	17.81	228	216413	29.29	ng	98
85) Indeno(1,2,3-cd)pyrene	20.66	276	145740m	17.38	ng	
87) Benzo(b)fluoranthene	19.06	252	288055m	35.88	ng	
88) Benzo(k)fluoranthene	19.09	252	110227m	15.45	ng	
89) Benzo(a)pyrene	19.43	252	207430	29.61	ng	97
90) Dibenzo(a,h)anthracene	20.69	278	27599m	3.93	ng	
91) Benzo(a,h,i)perylene	20.98	276	132850	18.89	ng	96

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

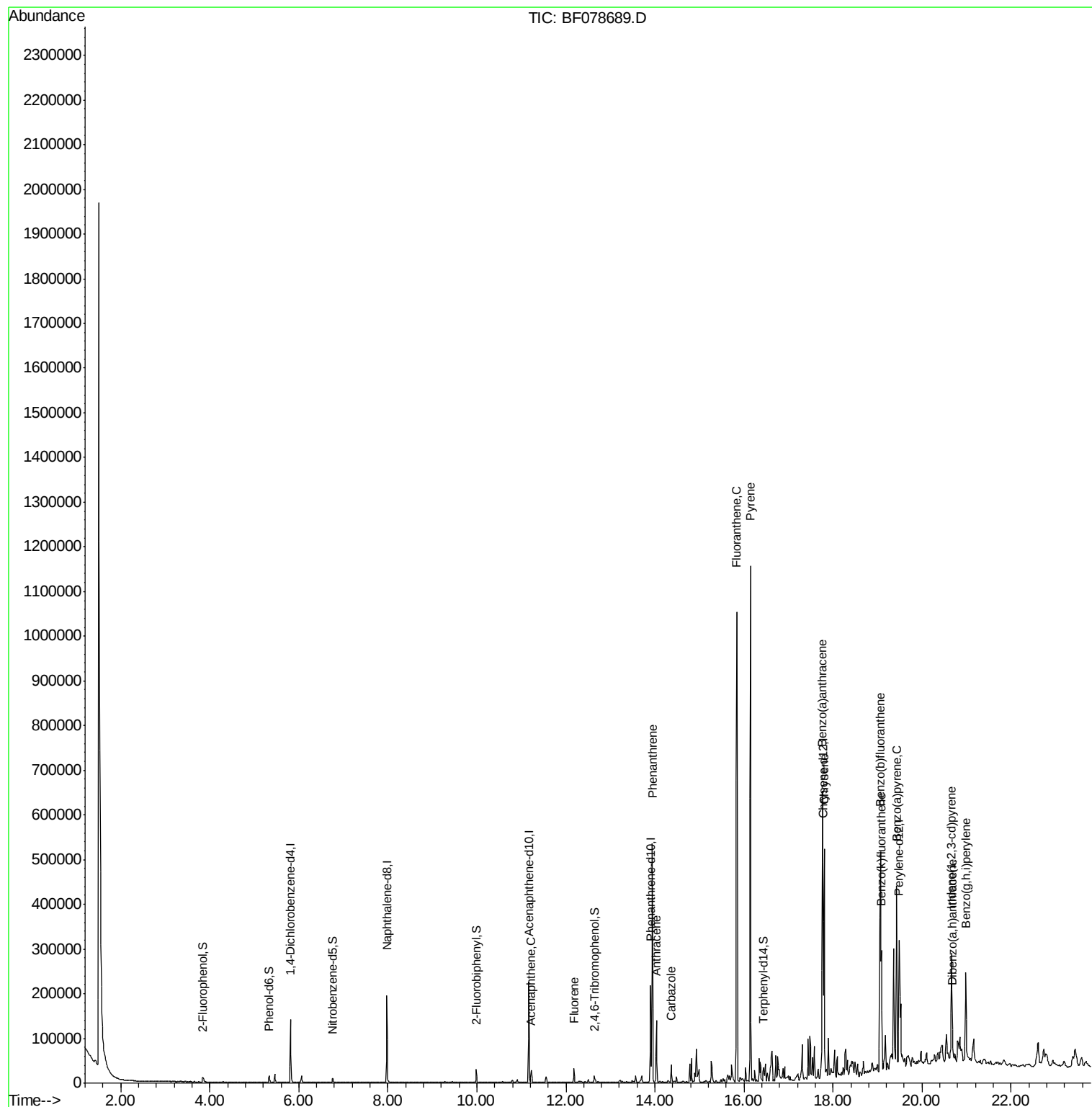
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
Data File : BF078689.D
Acq On : 21 Apr 2015 18:01
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Misc :
ALS Vial : 7 Sample Multiplier: 1

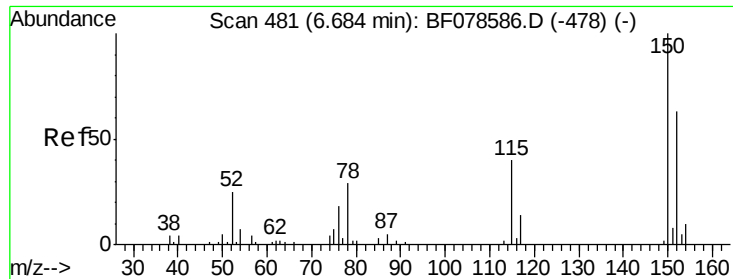
Instrument :
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ClientSampleId :
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Quant Time: Apr 22 11:04:46 2015
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#1

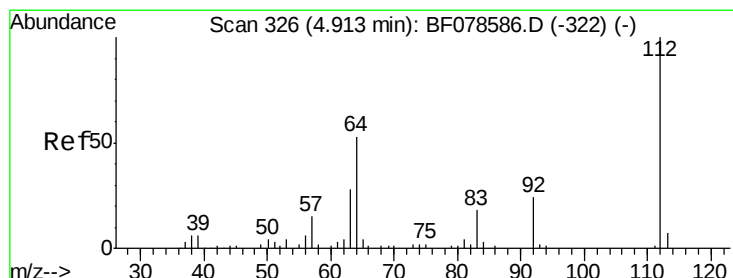
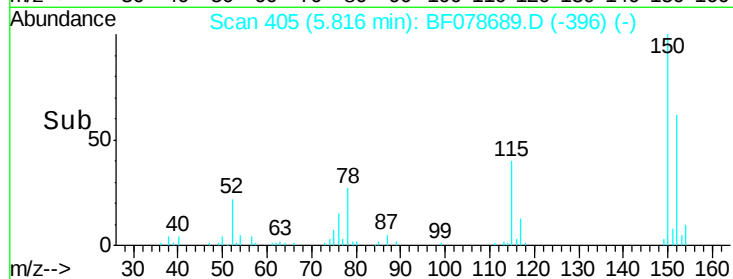
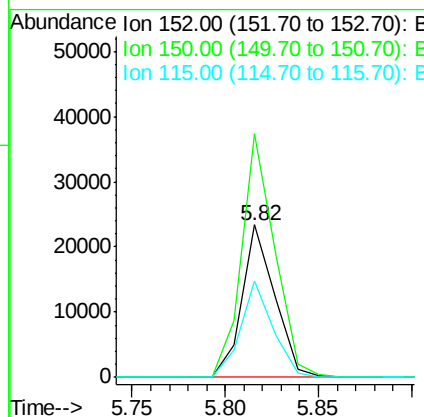
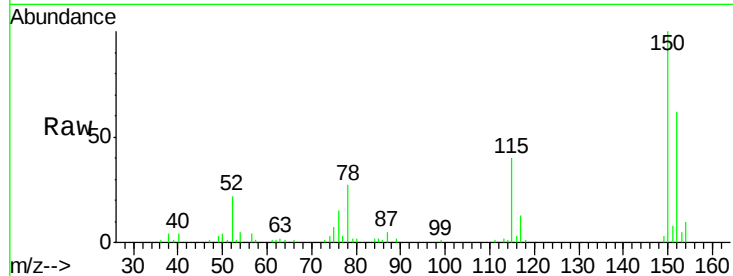
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.82 min Scan# 405
Delta R.T. -0.00 min
Lab File: BF078689.D
Acq: 21 Apr 2015 18:01

Instrument :
BNA_F
ClientSampleId :
SP-B-1RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	125.9	188.9
115	63.7	52.7	79.1

Manual Integrations
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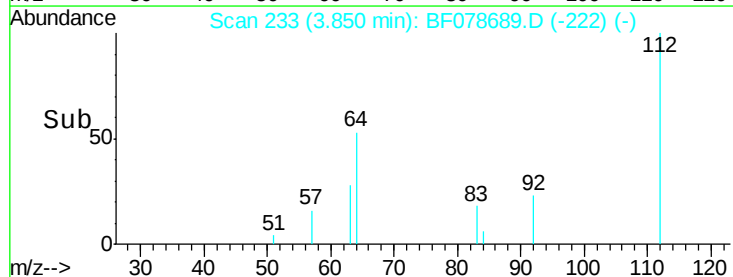
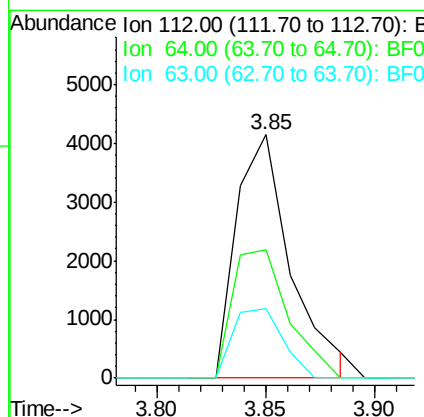
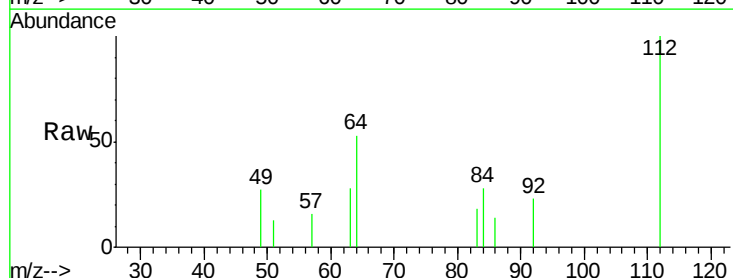
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#5

2-Fluorophenol
Concen: 4.14 ng
RT: 3.85 min Scan# 233
Delta R.T. 0.02 min
Lab File: BF078689.D
Acq: 21 Apr 2015 18:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	39.9	59.9
63	28.4	20.2	30.4





#7

Phenol-d6

Concen: 4.37 ng

RT: 5.34 min Scan# 363

Delta R.T. 0.01 min

Lab File: BF078689.D

Acq: 21 Apr 2015 18:01

Instrument :

BNA_F

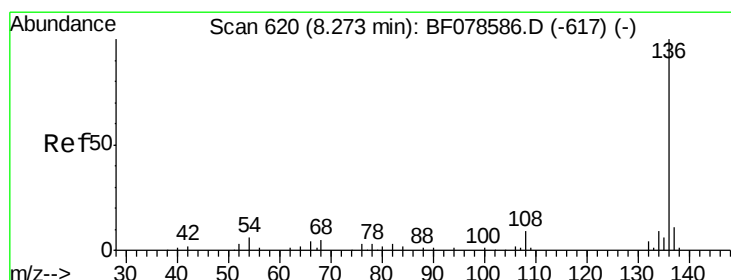
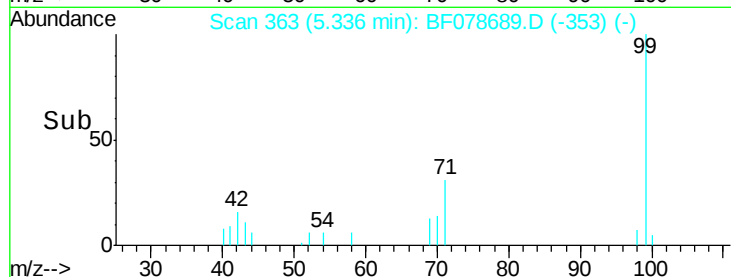
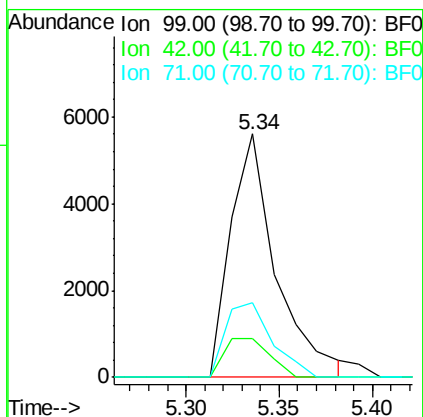
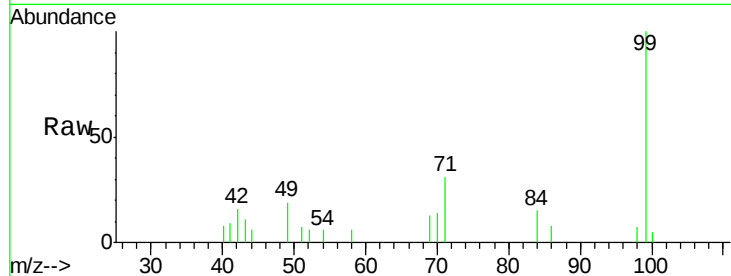
ClientSampleId :

SP-B-1RE

Tot Ion:	99	Resp:	9520
Ion	Ratio	Lower	Upper
99	100		
42	16.0	14.8	22.2
71	30.7	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

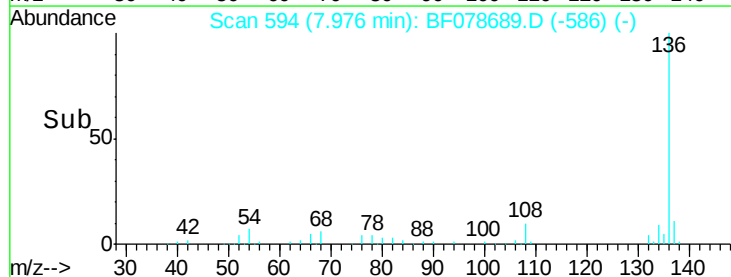
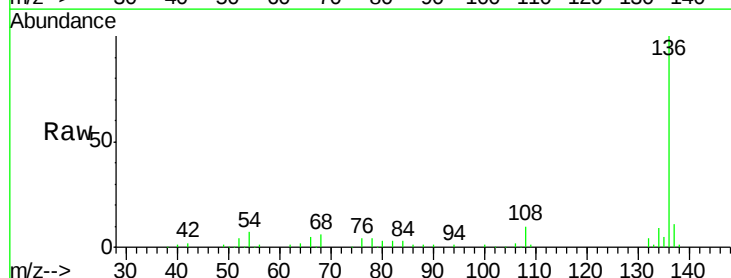
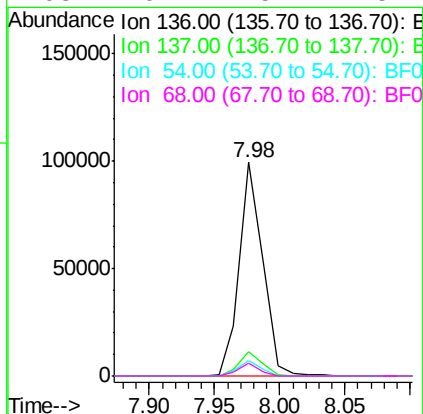
RT: 7.98 min Scan# 594

Delta R.T. -0.01 min

Lab File: BF078689.D

Acq: 21 Apr 2015 18:01

Tgt Ion:	136	Resp:	123681
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	7.4	7.0	10.6
68	6.1	5.4	8.2





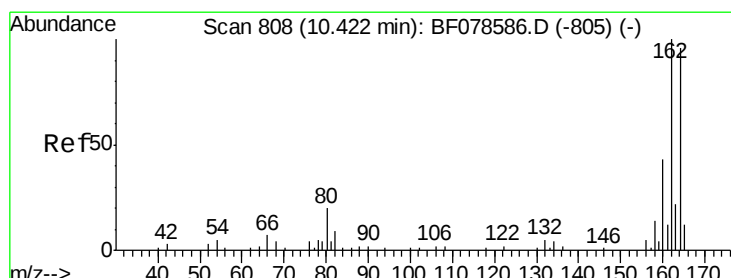
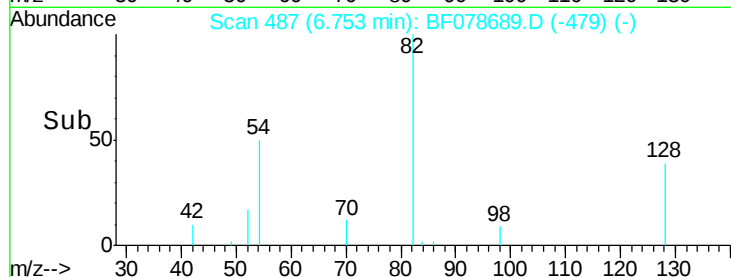
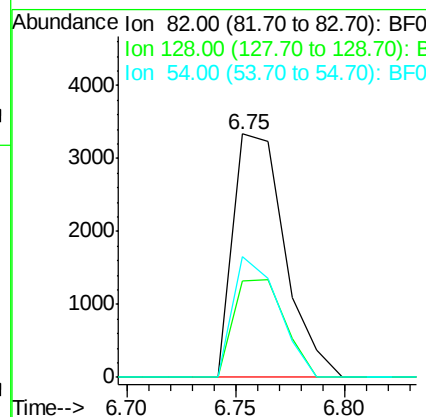
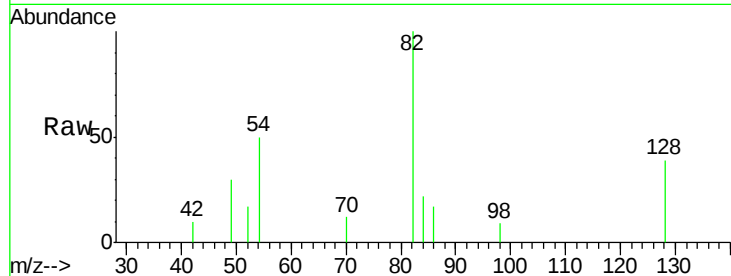
#23
Nitrobenzene-d5
Concen: 2.71 ng
RT: 6.75 min Scan# 487
Delta R.T. -0.01 min
Lab File: BF078689.D
Acq: 21 Apr 2015 18:01

Instrument :
BNA_F
ClientSampleId :
SP-B-1RE

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.4	31.8	47.8
54	49.6	41.5	62.3

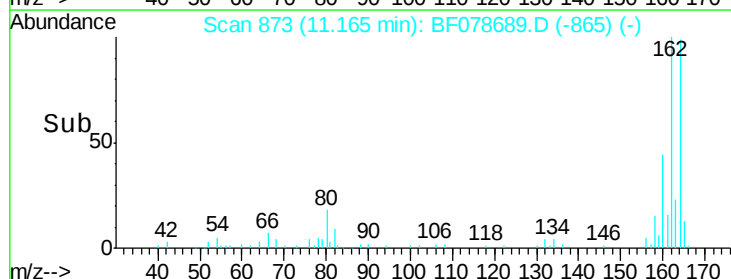
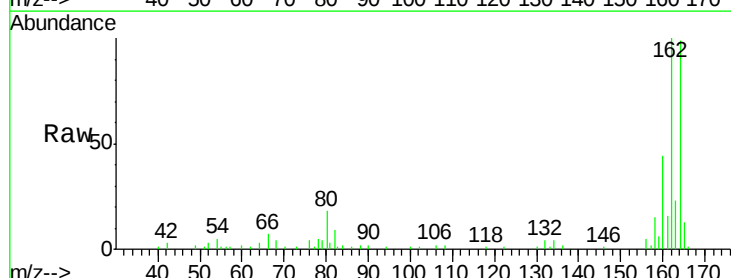
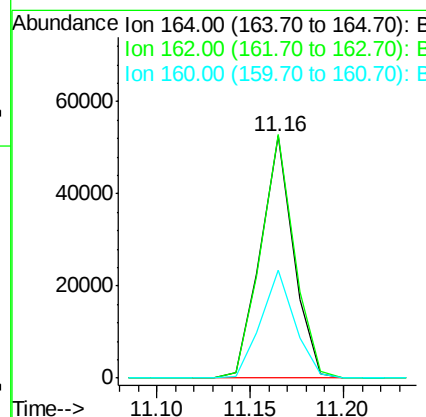
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF078689.D
Acq: 21 Apr 2015 18:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.2	123.2
160	44.5	34.7	52.1





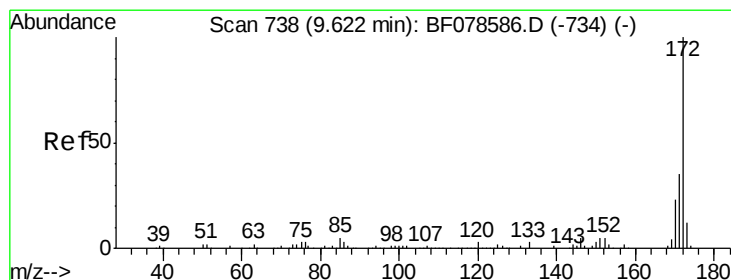
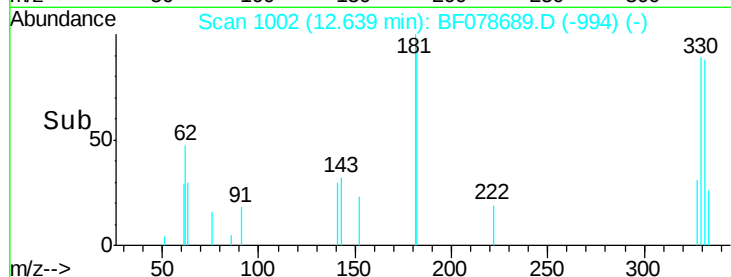
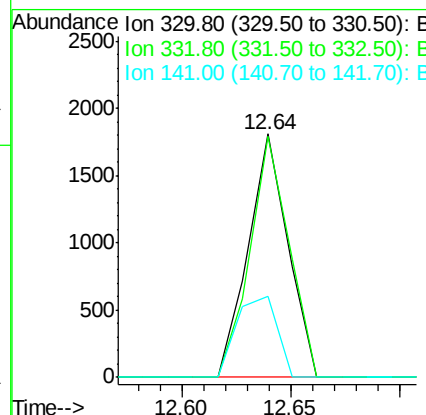
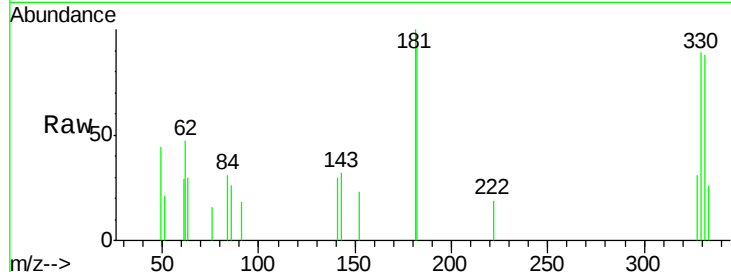
#41
 2,4,6-Tribromophenol
 Concen: 4.29 ng
 RT: 12.64 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BF078689.D
 Acq: 21 Apr 2015 18:01

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-1RE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	2293		
332	97.1		78.6	117.8
141	33.9		31.2	46.8

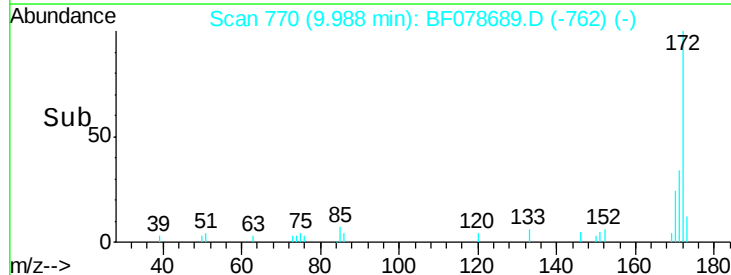
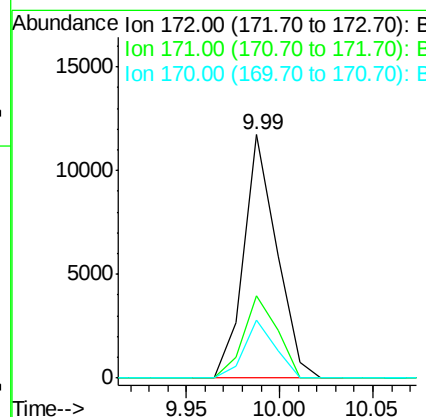
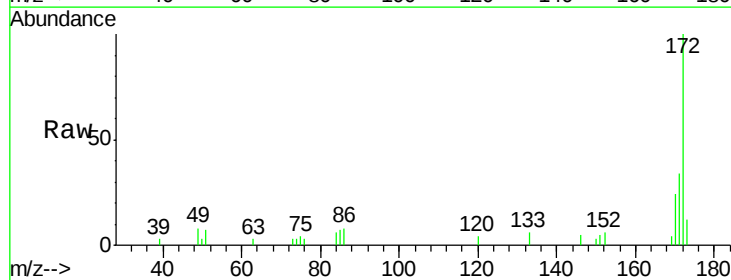
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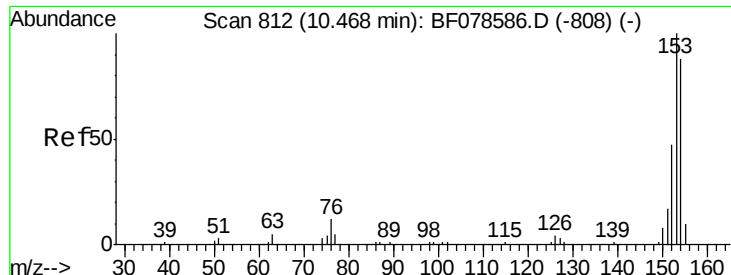
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#44
 2-Fluorobiphenyl
 Concen: 3.20 ng
 RT: 9.99 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: BF078689.D
 Acq: 21 Apr 2015 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	14425		
171	33.8		28.6	42.8
170	23.7		18.5	27.7





#51

Acenaphthene

Concen: 2.23 ng

RT: 11.22 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF078689.D

Acq: 21 Apr 2015 18:01

Instrument :

BNA_F

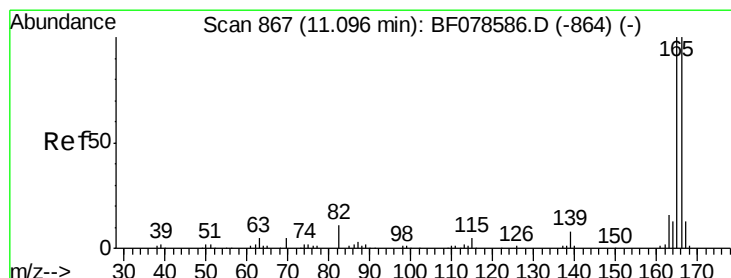
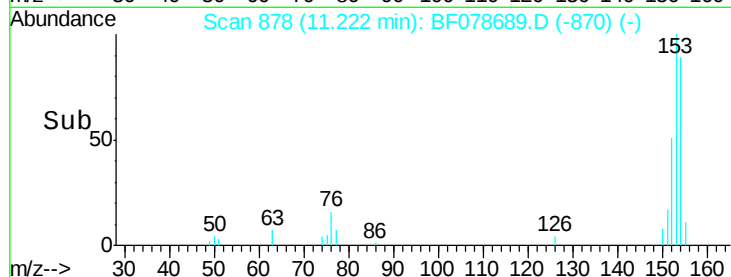
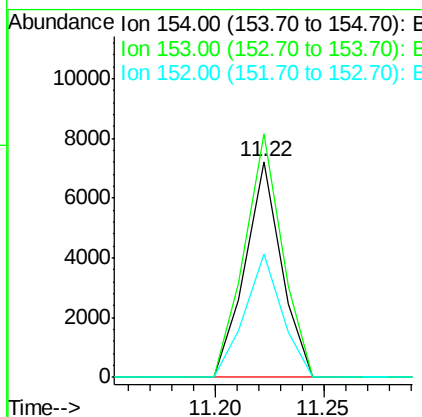
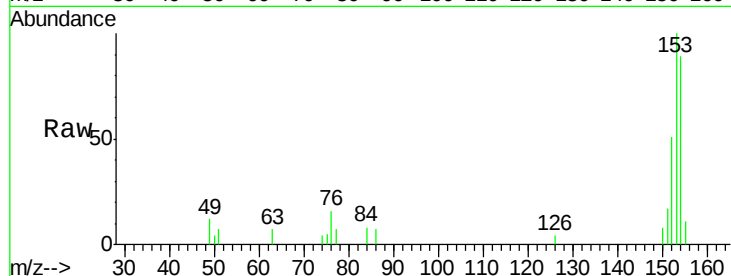
ClientSampled :

SP-B-1RE

Tot Ion:	154	Resp:	8407
Ion	Ratio	Lower	Upper
154	100		
153	112.8	91.4	137.2
152	57.3	43.0	64.6

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#57

Fluorene

Concen: 2.94 ng

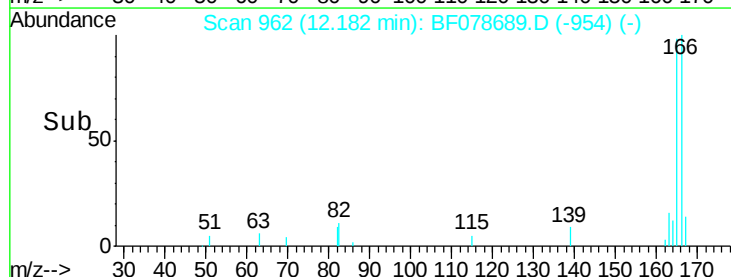
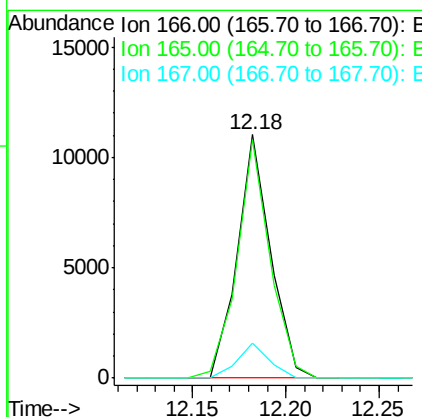
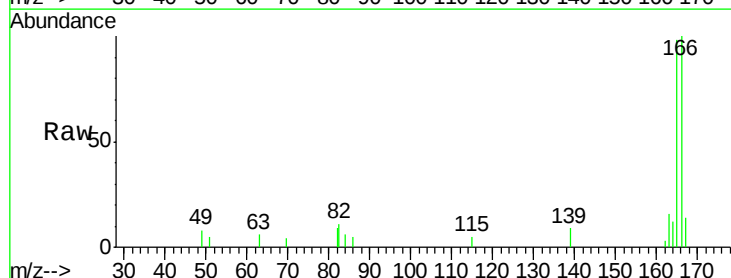
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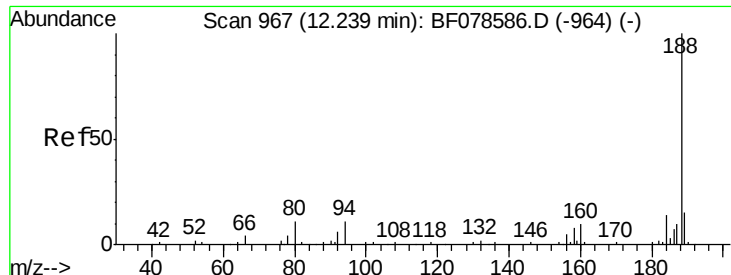
Delta R.T. -0.01 min

Lab File: BF078689.D

Acq: 21 Apr 2015 18:01

Tgt Ion:	166	Resp:	13728
Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.9	118.3
167	14.1	10.7	16.1





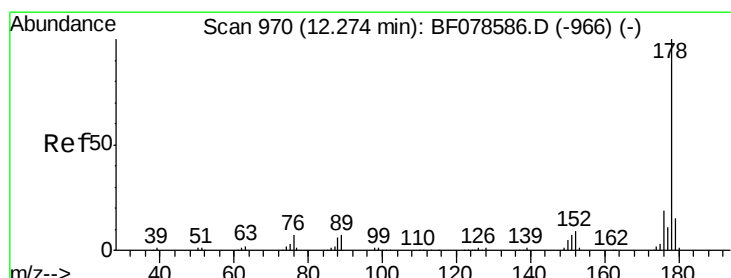
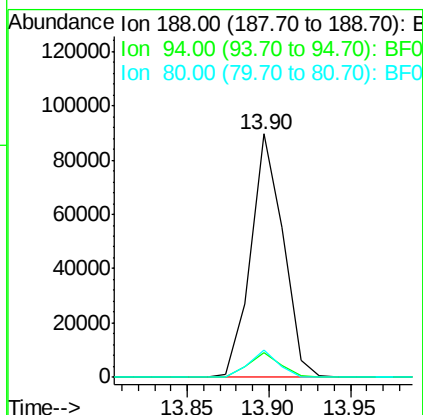
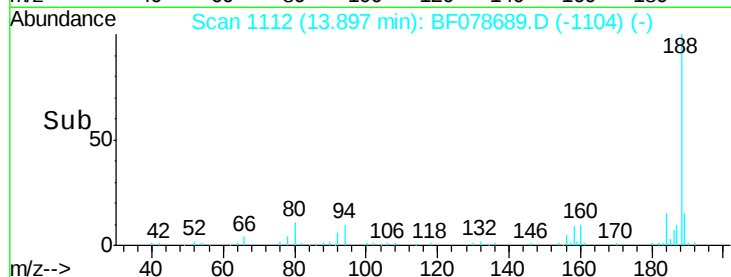
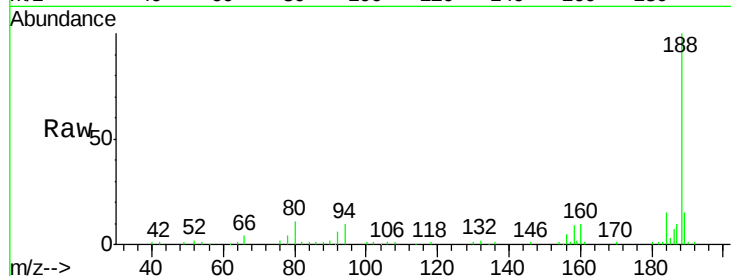
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.90 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: BF078689.D
 Acq: 21 Apr 2015 18:01

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-1RE

Tot Ion:	188	Resp:	123587
Ion Ratio	Lower	Upper	
188	100		
94	10.2	9.0	13.4
80	11.0	9.5	14.3

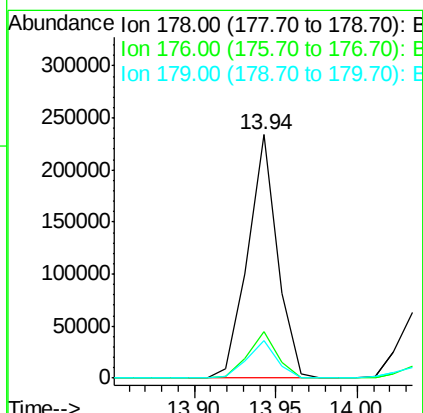
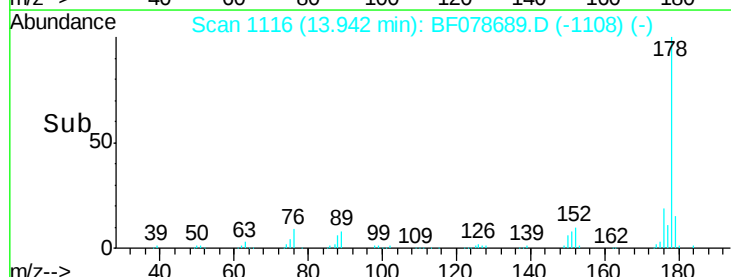
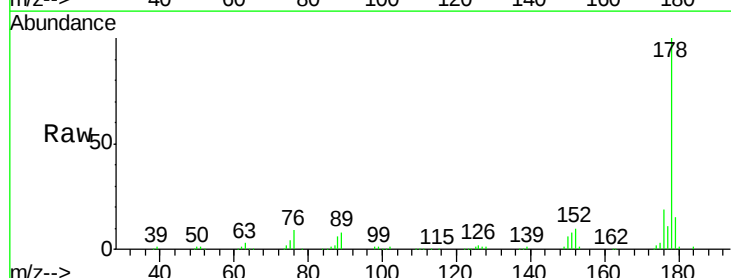
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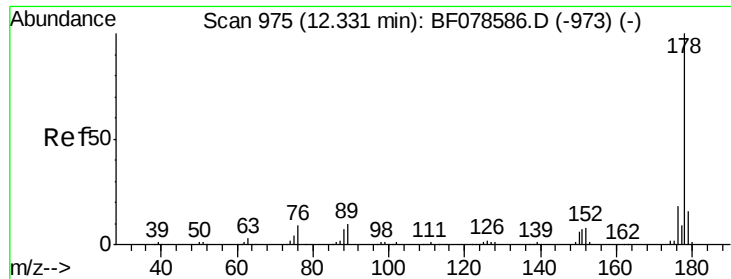
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#70
 Phenanthrene
 Concen: 41.09 ng
 RT: 13.94 min Scan# 1116
 Delta R.T. -0.01 min
 Lab File: BF078689.D
 Acq: 21 Apr 2015 18:01

Tgt Ion:	178	Resp:	293781
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.4	23.0
179	15.3	12.2	18.2





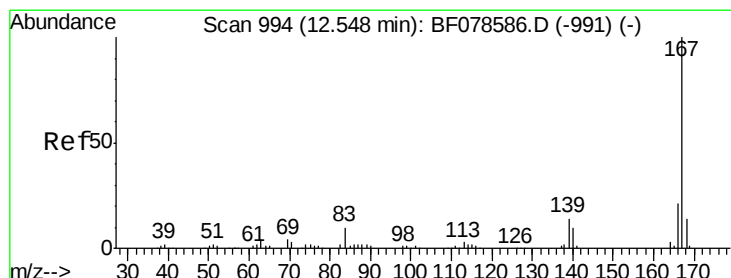
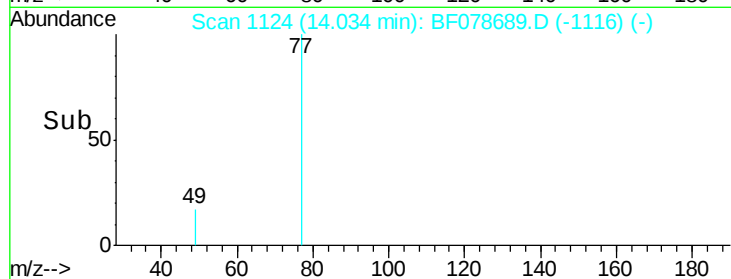
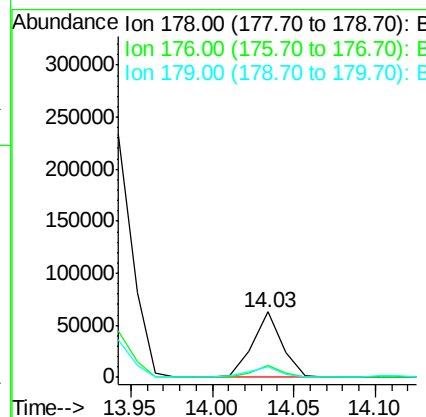
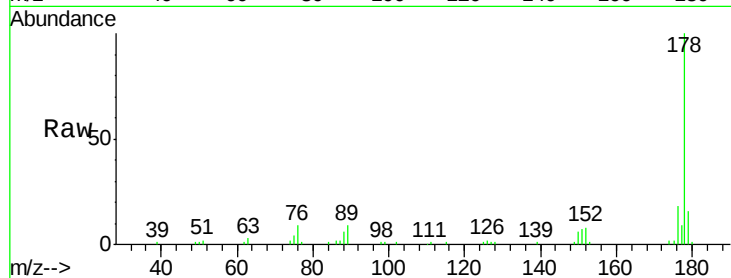
#71
 Anthracene
 Concen: 11.30 ng
 RT: 14.03 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: BF078689.D
 Acq: 21 Apr 2015 18:01

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-1RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.8	22.2
179	15.5	12.4	18.6

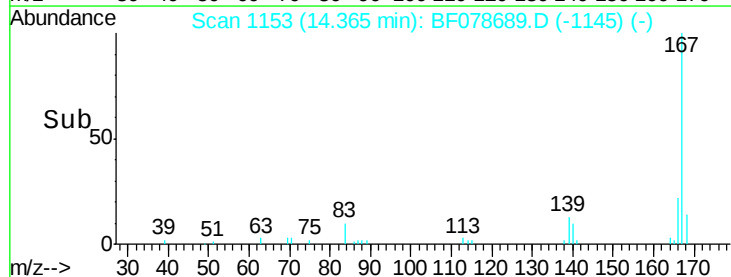
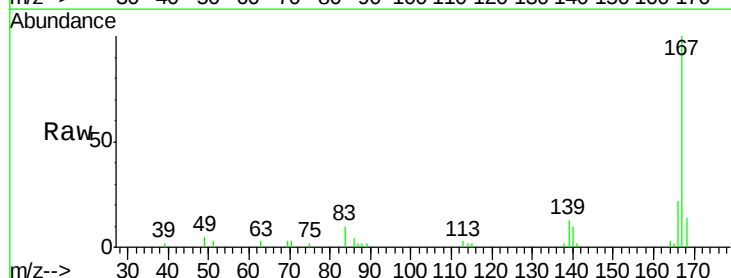
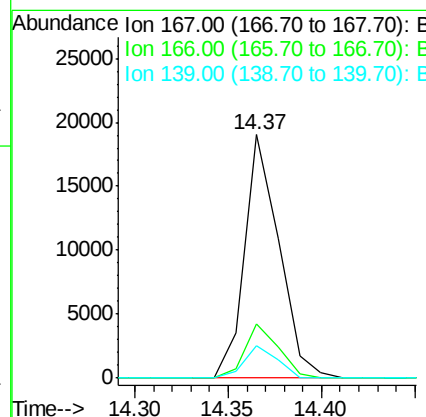
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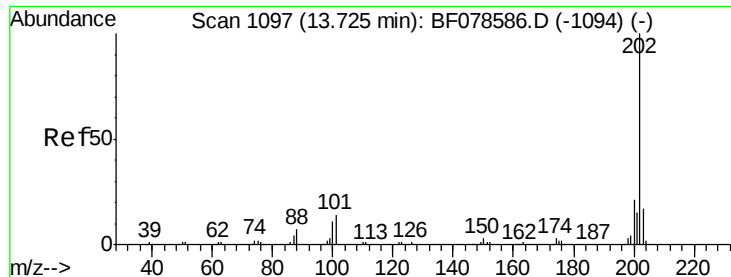
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#72
 Carbazole
 Concen: 3.71 ng
 RT: 14.37 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BF078689.D
 Acq: 21 Apr 2015 18:01

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	16.8	25.2
139	13.3	10.0	15.0





#74

Fluoranthene

Concen: 76.54 ng

RT: 15.84 min Scan# 1282

Delta R.T. -0.00 min

Lab File: BF078689.D

Acq: 21 Apr 2015 18:01

Instrument :

BNA_F

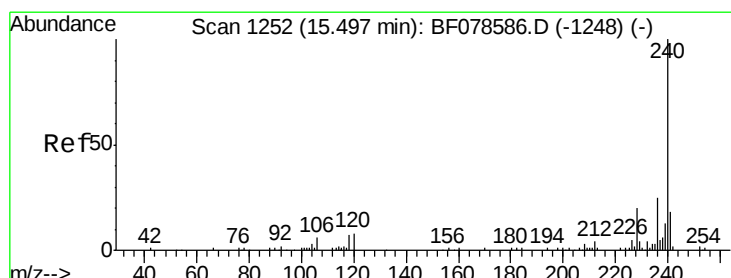
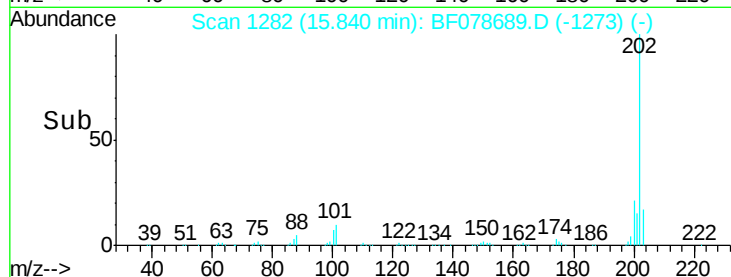
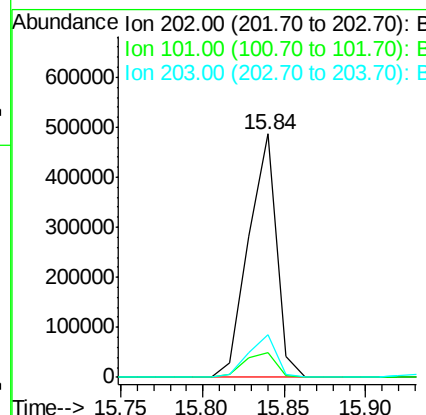
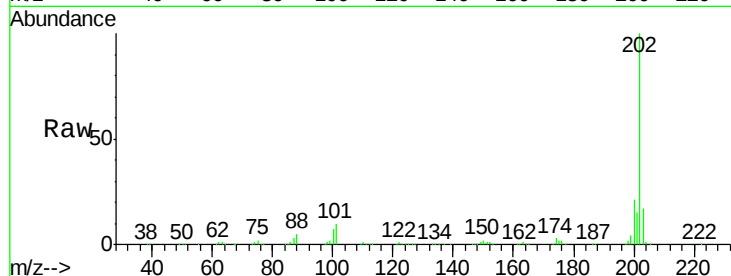
ClientSampleId :

SP-B-1RE

Tot Ion:	202	Resp:	577070
Ion Ratio	Lower	Upper	
202	100		
101	10.0	0.0	35.2
203	17.5	0.0	38.5

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#75

Chrysene-d12

Concen: 20.00 ng

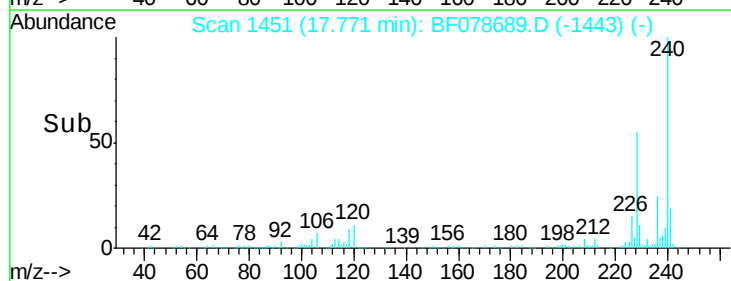
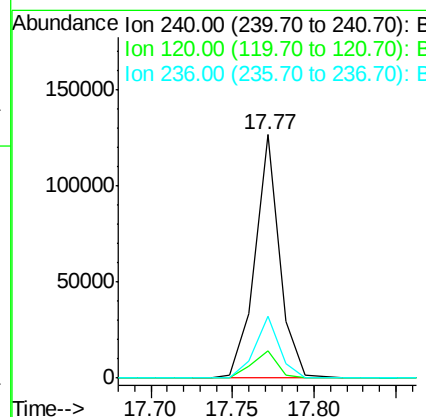
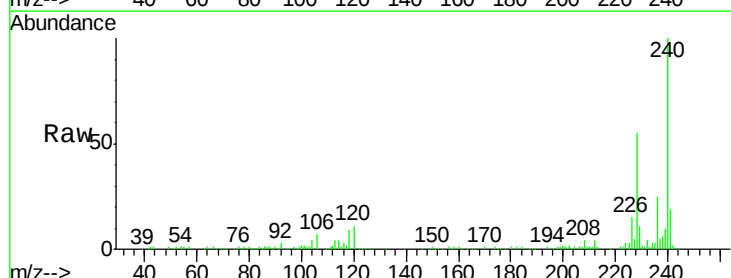
RT: 17.77 min Scan# 1451

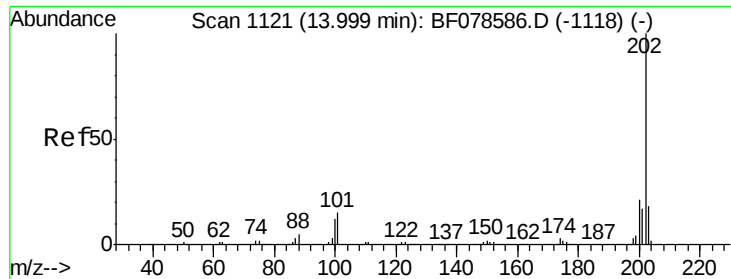
Delta R.T. -0.01 min

Lab File: BF078689.D

Acq: 21 Apr 2015 18:01

Tgt Ion:	240	Resp:	132178
Ion Ratio	Lower	Upper	
240	100		
120	11.3	7.1	10.7#
236	25.2	21.4	32.2





#77

Pvrene

Concen: 63.98 ng

RT: 16.15 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BF078689.D

Acq: 21 Apr 2015 18:01

Instrument :

BNA_F

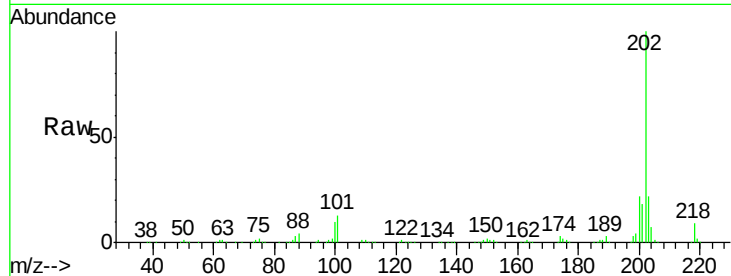
ClientSampleId :

SP-B-1RE

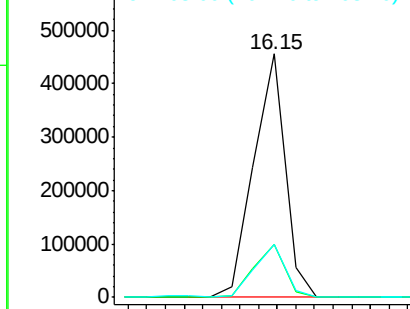
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	21.5	16.3	24.5		
203	21.8	13.8	20.6		

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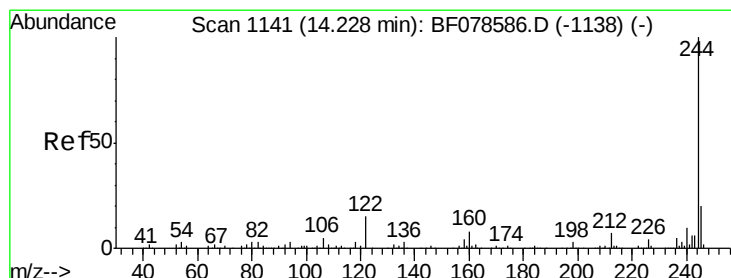
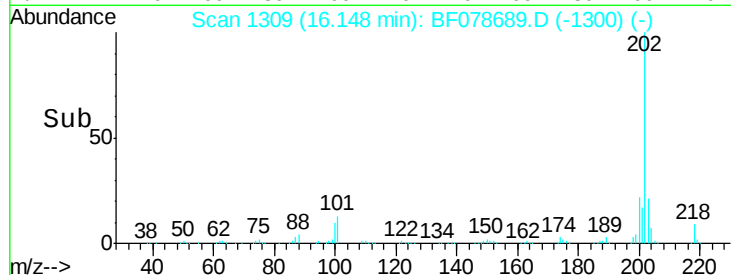
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 2.88 ng

RT: 16.43 min Scan# 1334

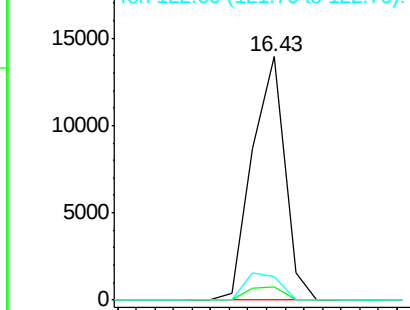
Delta R.T. -0.00 min

Lab File: BF078689.D

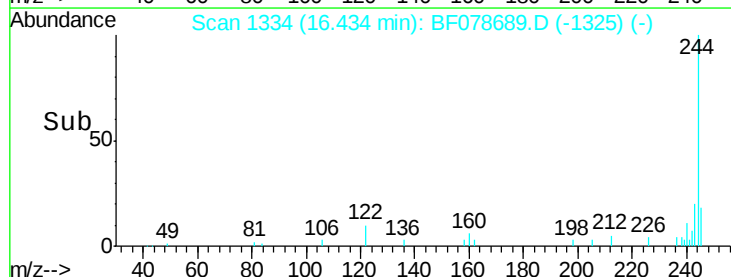
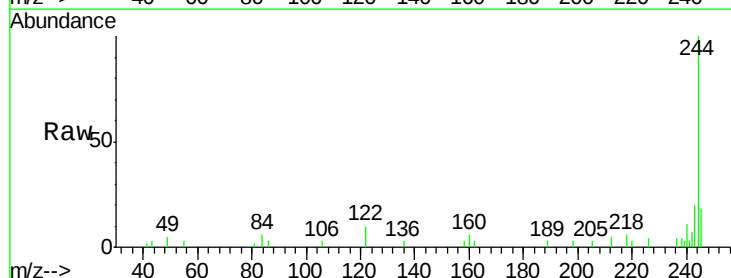
Acq: 21 Apr 2015 18:01

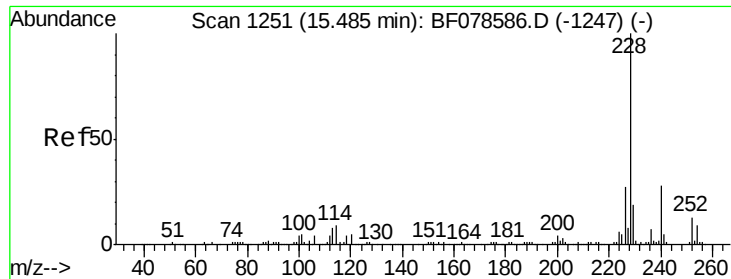
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	5.4	5.0	7.4		
122	9.9	7.1	10.7		

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



Time-->





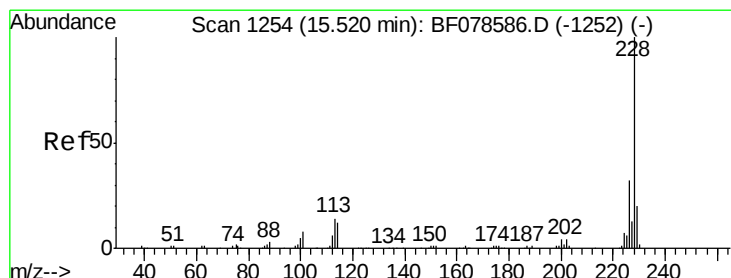
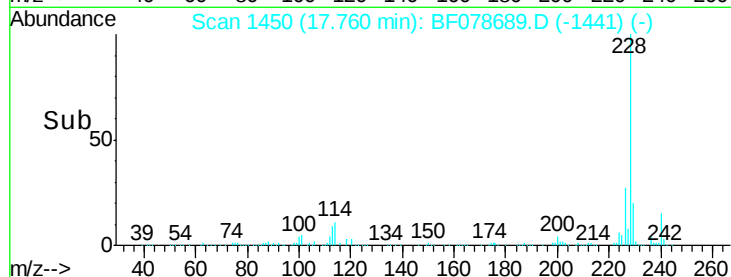
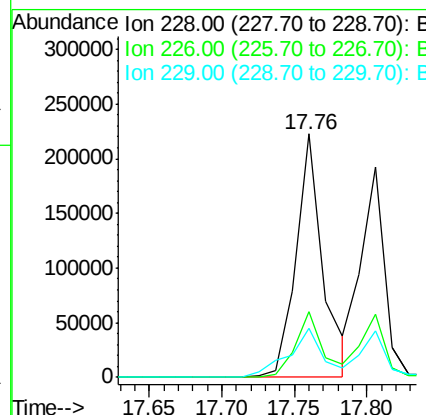
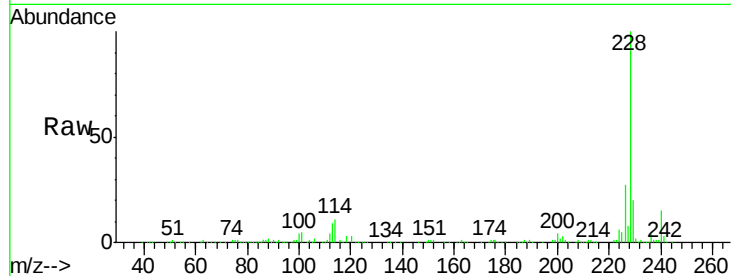
#80
Benzo(a)anthracene
Concen: 36.45 ng
RT: 17.76 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BF078689.D
Acq: 21 Apr 2015 18:01

Instrument :
BNA_F
ClientSampleId :
SP-B-1RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.3	31.9
229	20.2	15.4	23.2

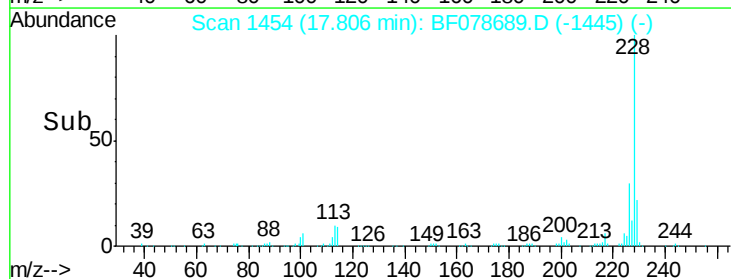
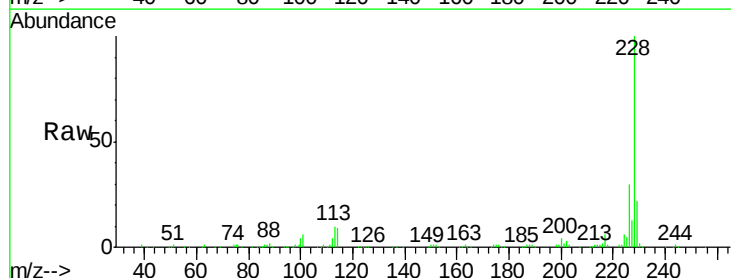
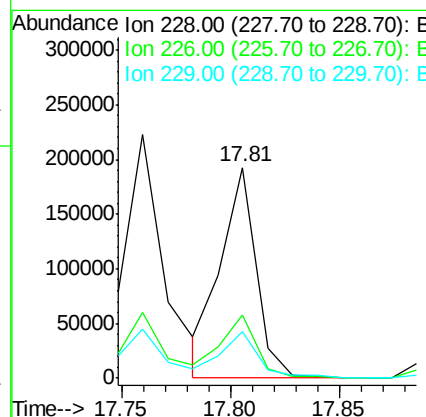
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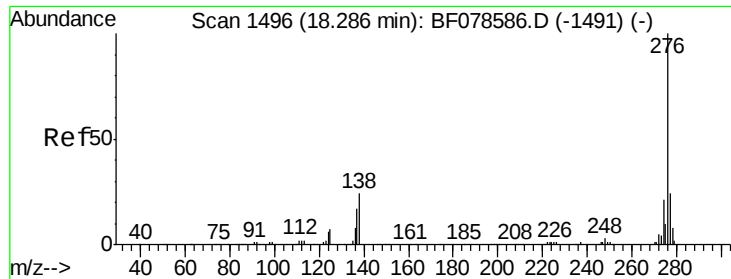
apatel
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#82
Chrysene
Concen: 29.29 ng
RT: 17.81 min Scan# 1454
Delta R.T. -0.00 min
Lab File: BF078689.D
Acq: 21 Apr 2015 18:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.4
229	21.9	15.8	23.8





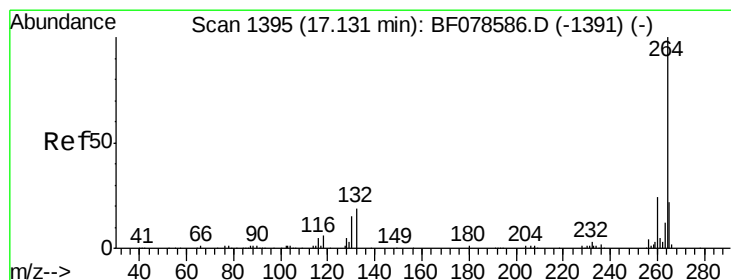
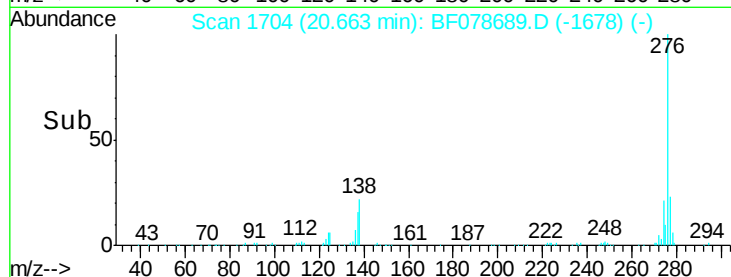
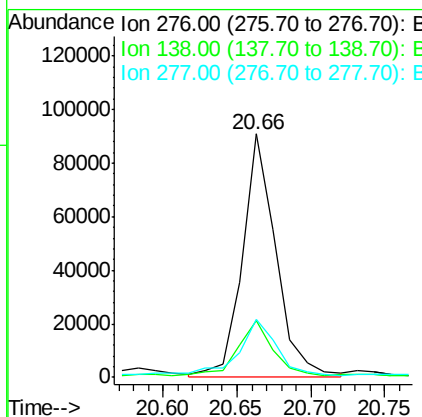
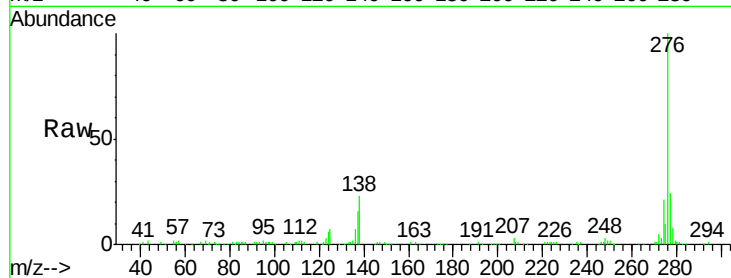
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 17.38 ng/mL
 RT: 20.66 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: BF078689.D
 Acq: 21 Apr 2015 18:01

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-1RE

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.3	16.9	25.3#
277	4.8	15.8	23.6#

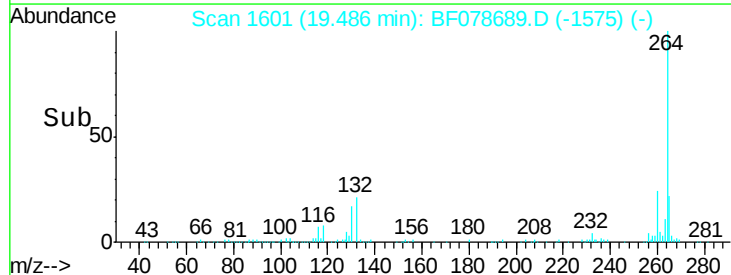
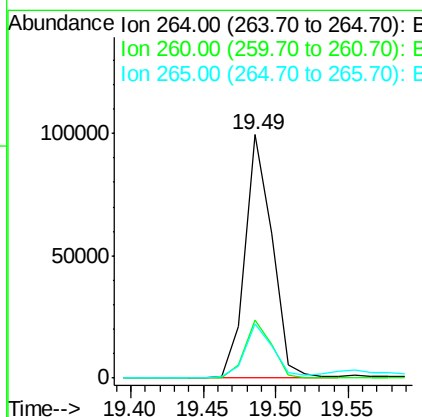
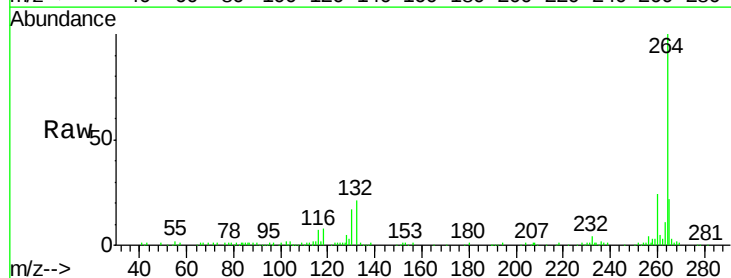
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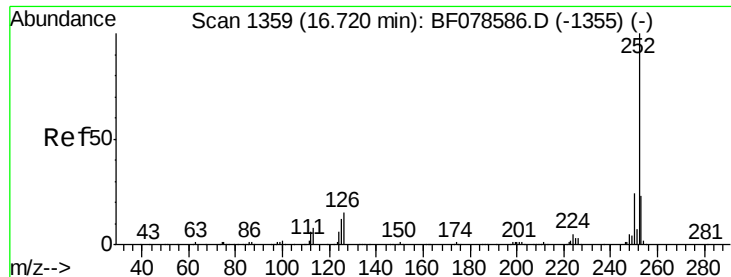
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.49 min Scan# 1601
 Delta R.T. -0.00 min
 Lab File: BF078689.D
 Acq: 21 Apr 2015 18:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	22.1	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 35.88 ng m

RT: 19.06 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BF078689.D

Acq: 21 Apr 2015 18:01

Instrument :

BNA_F

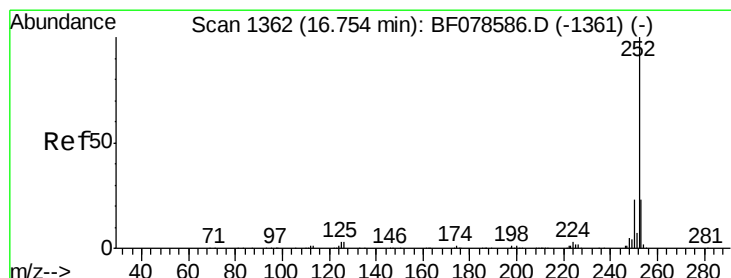
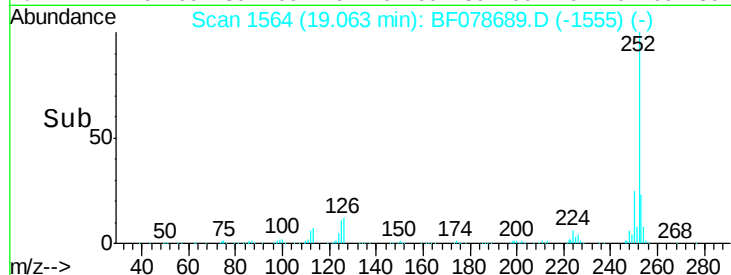
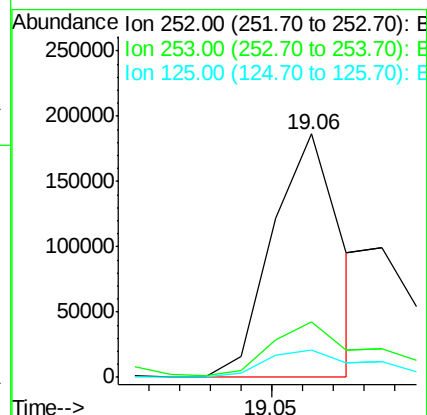
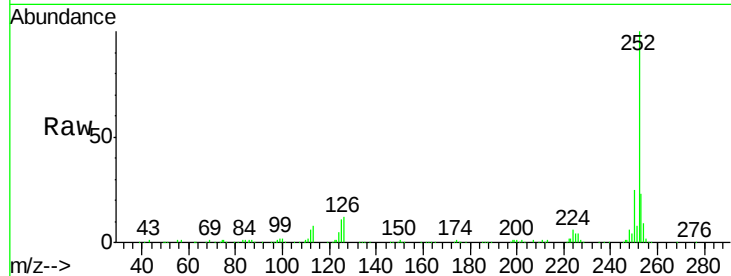
ClientSampled :

SP-B-1RE

Tot Ion:	252	Resp:	288055
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.2	25.8
125	11.3	7.0	10.4

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 15.45 ng m

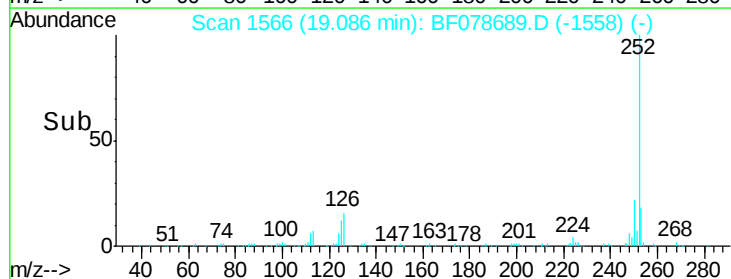
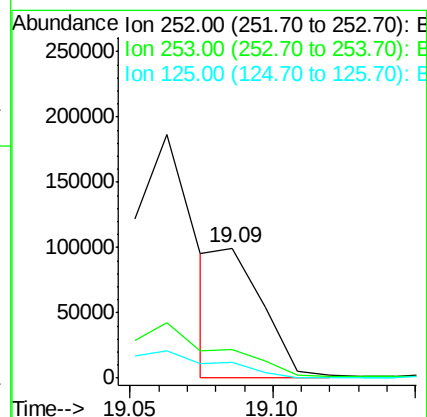
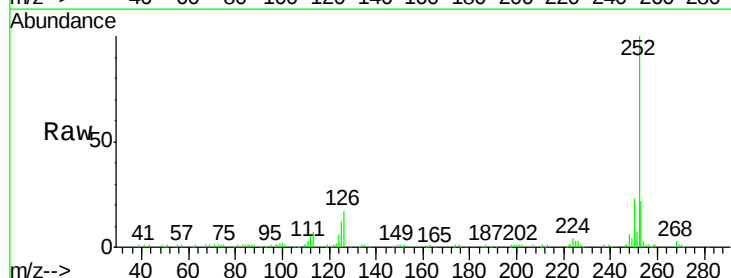
RT: 19.09 min Scan# 1566

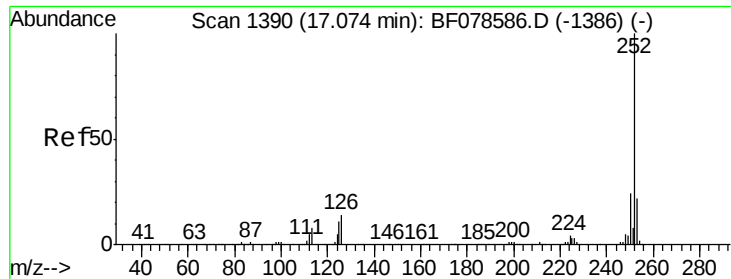
Delta R.T. -0.01 min

Lab File: BF078689.D

Acq: 21 Apr 2015 18:01

Tgt Ion:	252	Resp:	110227
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.5	26.3
125	12.4	11.6	17.4





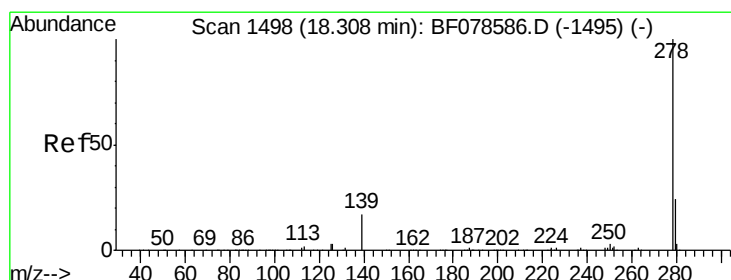
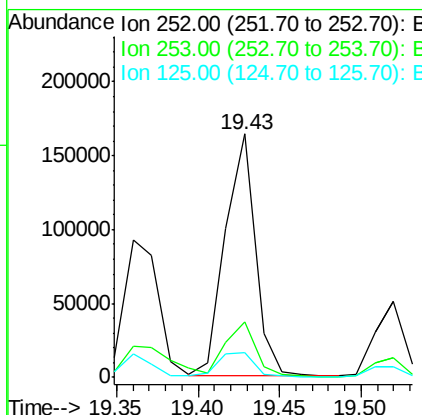
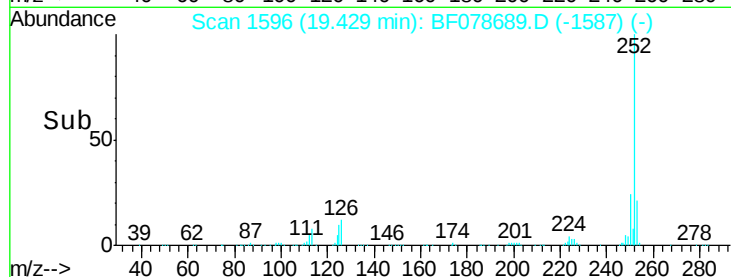
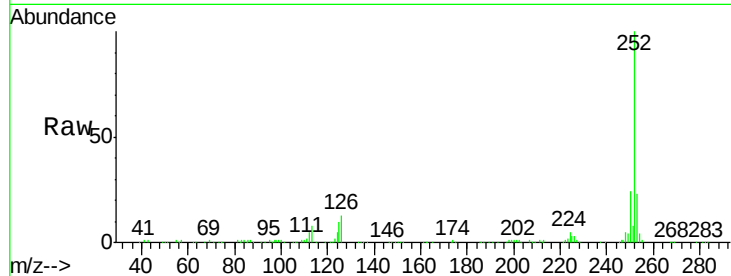
#89
Benzo(a)pyrene
Concen: 29.61 ng
RT: 19.43 min Scan# 1596
Delta R.T. -0.00 min
Lab File: BF078689.D
Acq: 21 Apr 2015 18:01

Instrument :
BNA_F
ClientSampleId :
SP-B-1RE

Tot Ion:	252	Resp:	207430
Ion Ratio	Lower	Upper	
252	100		
253	22.8	16.8	25.2
125	10.1	7.4	11.0

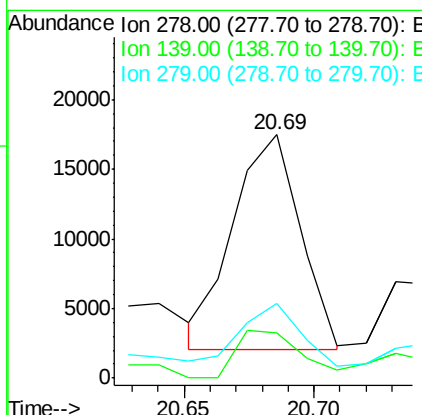
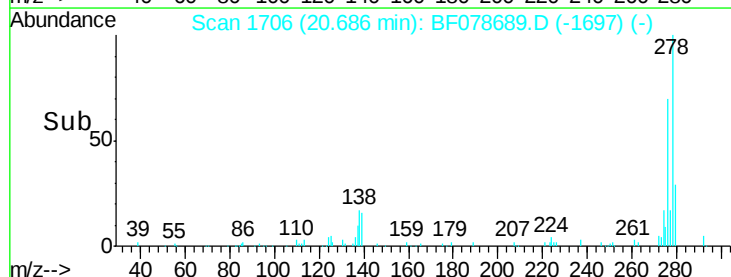
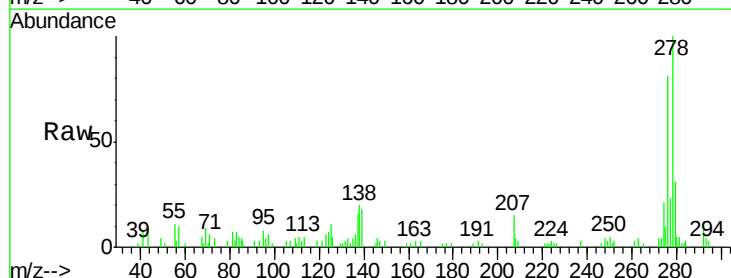
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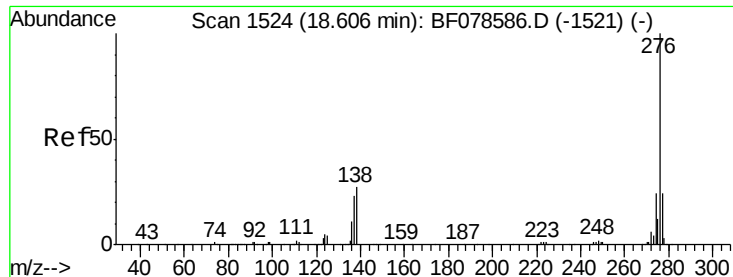
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#90
Dibenzo(a,h)anthracene
Concen: 3.93 ng m
RT: 20.69 min Scan# 1706
Delta R.T. -0.00 min
Lab File: BF078689.D
Acq: 21 Apr 2015 18:01

Tgt Ion:	278	Resp:	27599
Ion Ratio	Lower	Upper	
278	100		
139	18.3	13.6	20.4
279	30.6	19.0	28.6#





#91
 Benzo(a,h,i)perylene
 Concen: 18.89 ng
 RT: 20.98 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: BF078689.D
 Acq: 21 Apr 2015 18:01

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-1RE

Tot Ion:	276	Resp:	132850
Ion Ratio		Lower	Upper
276	100		
277	23.4	19.0	28.4
138	21.0	19.9	29.9

Manual Integrations
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