

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
 Data File : BF098776.D
 Acq On : 25 Sep 2017 11:54
 Operator : SJ/JU
 Sample : I5360-11 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-F-COMP

Manual Integrations
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 9/26/2017 4:58:21 PM

Quant Time: Sep 26 06:40:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	147171	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	562285	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	200002	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	292436	20.00	ng	0.00
75) Chrysene-d12	14.08	240	285472	20.00	ng	0.00
86) Perylene-d12	15.57	264	256043	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	179609	19.43	ng	-0.02
7) Phenol-d6	6.53	99	213589	18.73	ng	-0.02
23) Nitrobenzene-d5	7.47	82	122758	14.00	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	25917	15.84	ng	-0.02
44) 2-Fluorobiphenyl	9.27	172	222178	18.55	ng	-0.01
78) Terphenyl-d14	13.02	244	148972	11.87	ng	-0.02

Target Compounds				Qvalue		
31) Naphthalene	8.22	128	235748	8.927	ng	99
37) 2-Methylnaphthalene	8.90	142	58959	3.434	ng	99
51) Acenaphthene	9.98	154	28272	2.259	ng	96
54) Dibenzofuran	10.15	168	34327	2.060	ng	# 96
57) Fluorene	10.50	166	35821	2.675	ng	99
70) Phenanthrene	11.46	178	242376	15.484	ng	99
71) Anthracene	11.51	178	88610	5.532	ng	100
74) Fluoranthene	12.65	202	488139	30.796	ng	99
77) Pyrene	12.88	202	502227	23.071	ng	99
80) Benzo(a)anthracene	14.07	228	239957	13.882	ng	94
82) Chrysene	14.10	228	241245	14.659	ng	97
85) Indeno(1,2,3-cd)pyrene	17.07	276	78181	5.939	ng	98
87) Benzo(b)fluoranthene	15.13	252	280079m	17.791	ng	
88) Benzo(k)fluoranthene	15.16	252	75364m	4.847	ng	
89) Benzo(a)pyrene	15.50	252	180072	12.461	ng	# 93
91) Benzo(g,h,i)perylene	17.53	276	76852	6.723	ng	94

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

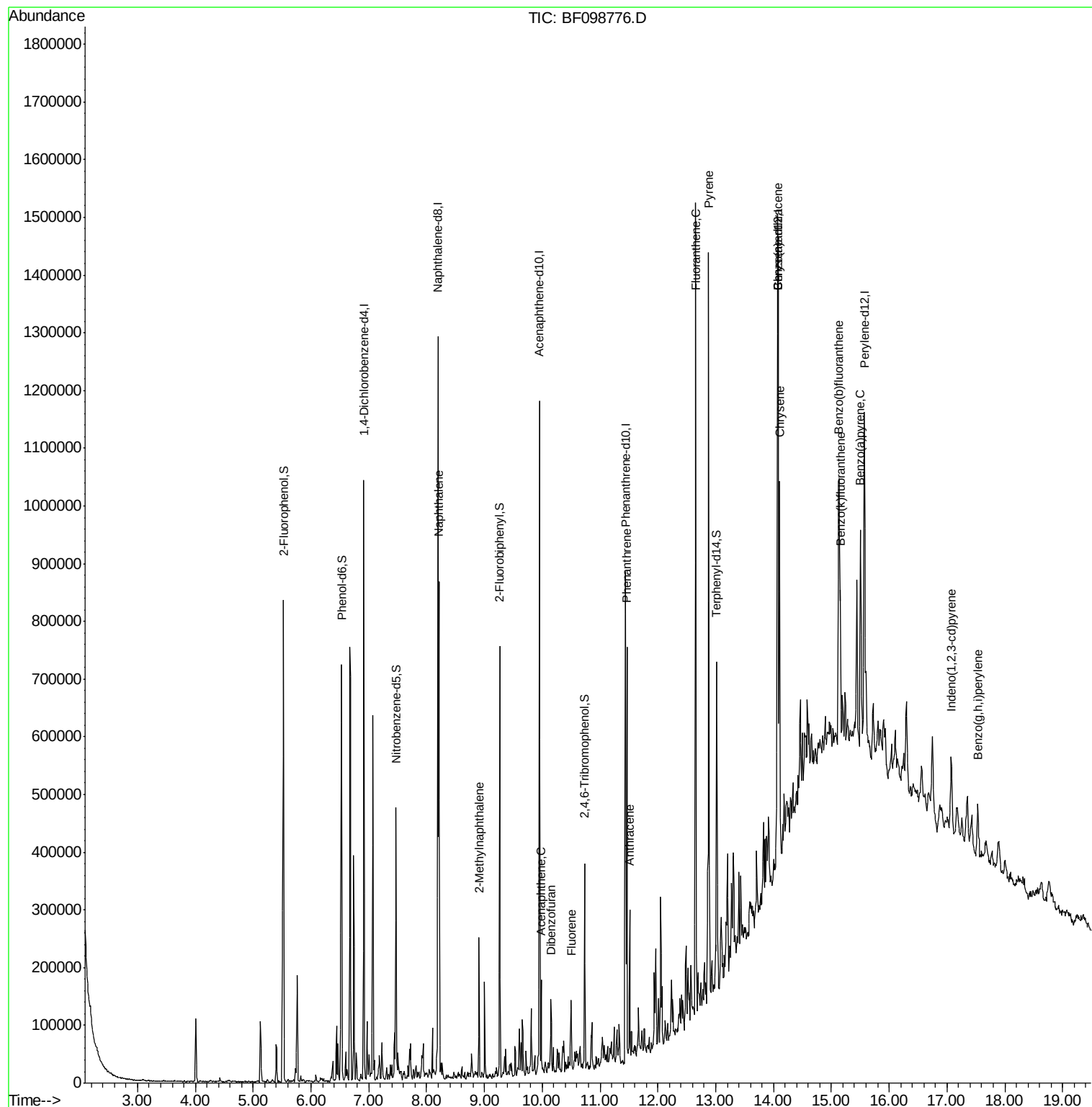
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
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Sample : I5360-11 5X
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ALS Vial : 5 Sample Multiplier: 1

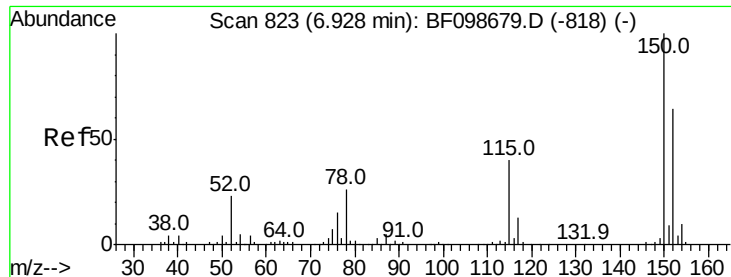
Instrument :
BNA_F
ClientSampleId :
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Quant Time: Sep 26 06:40:31 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
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#1

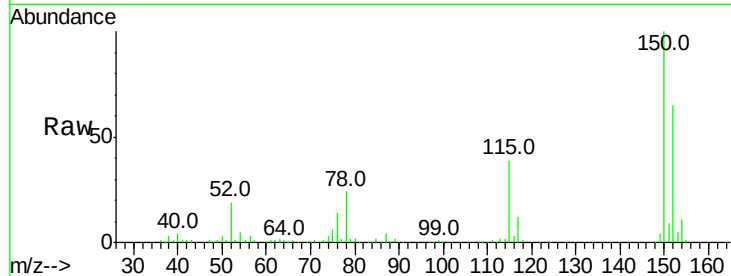
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098776.D
Acq: 25 Sep 2017 11:54

Instrument :
BNA_F
ClientSampleId :
SP-1-F-COMP

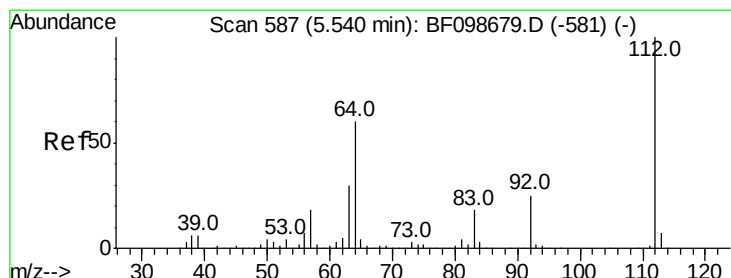
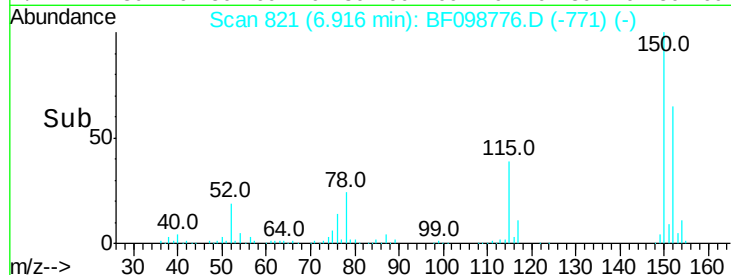
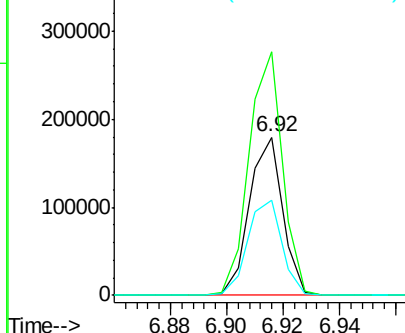
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.6	186.8
115	60.0	50.1	75.1

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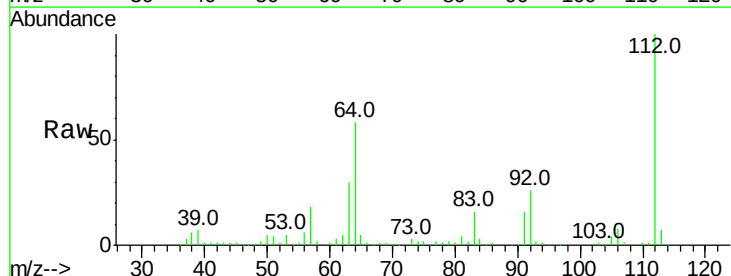
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



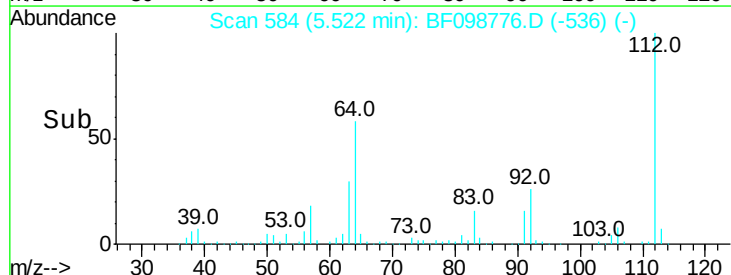
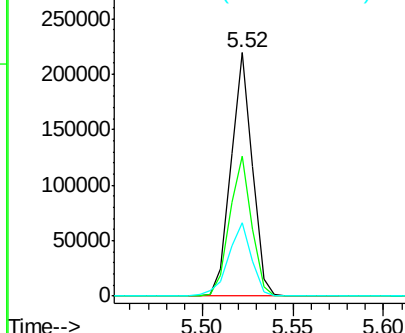
#5

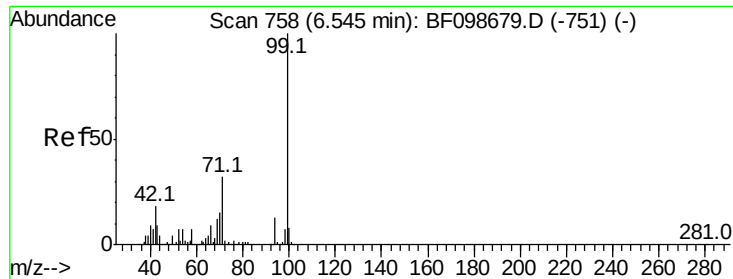
2-Fluorophenol
Concen: 19.428 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF098776.D
Acq: 25 Sep 2017 11:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	47.9	71.9
63	29.9	23.7	35.5



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: 18.728 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098776.D

Acq: 25 Sep 2017 11:54

Instrument :

BNA_F

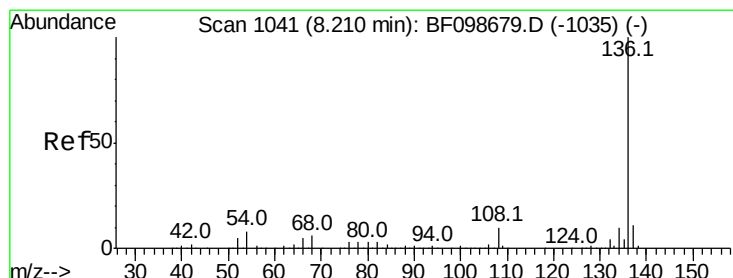
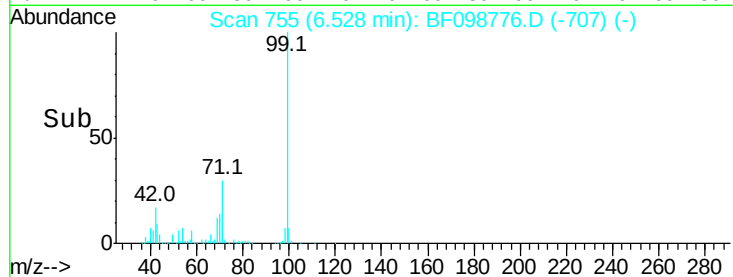
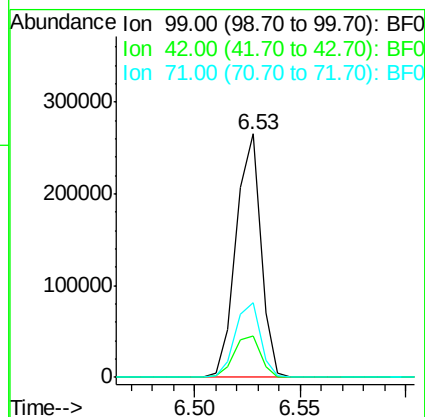
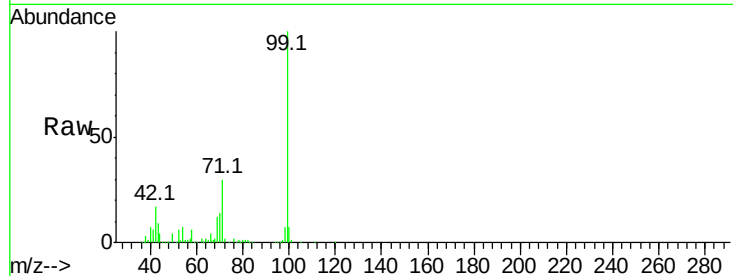
ClientSampleId :

SP-1-F-COMP

Tot Ion:	99	Resp:	213589
Ion Ratio	Lower	Upper	
99	100		
42	17.2	14.5	21.7
71	30.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

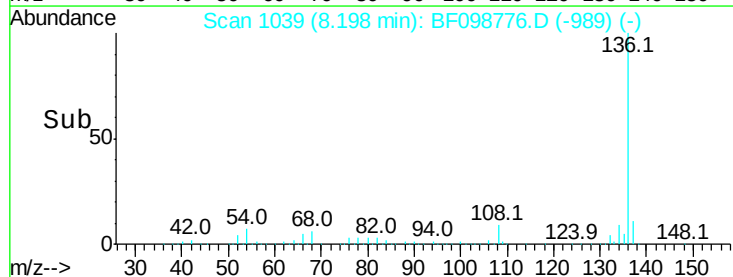
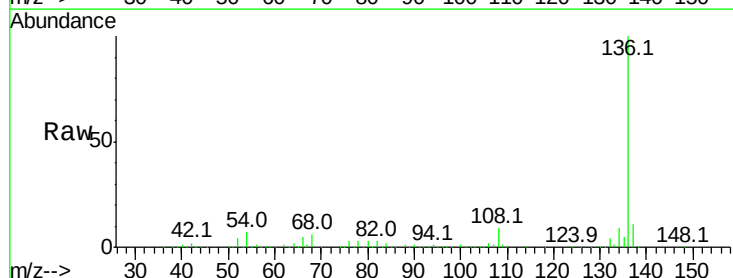
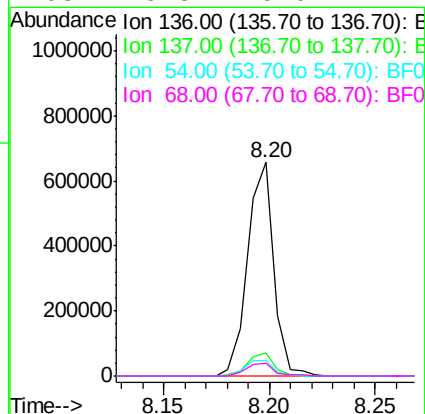
RT: 8.20 min Scan# 1039

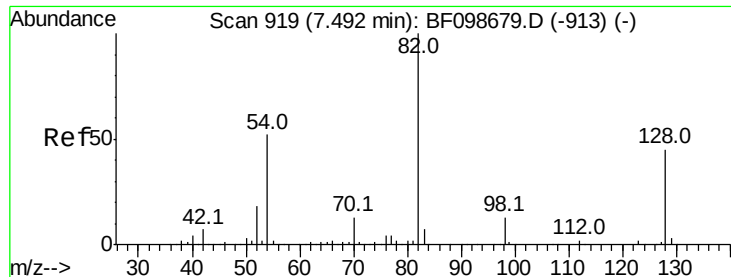
Delta R.T. -0.01 min

Lab File: BF098776.D

Acq: 25 Sep 2017 11:54

Tgt Ion:	136	Resp:	562285
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	7.1	6.6	9.8
68	5.8	5.0	7.4





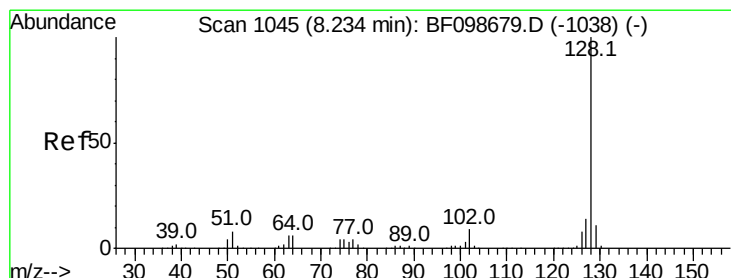
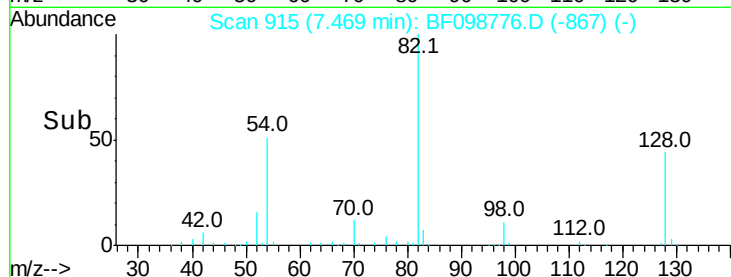
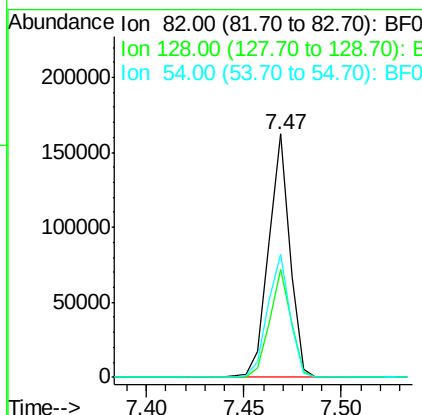
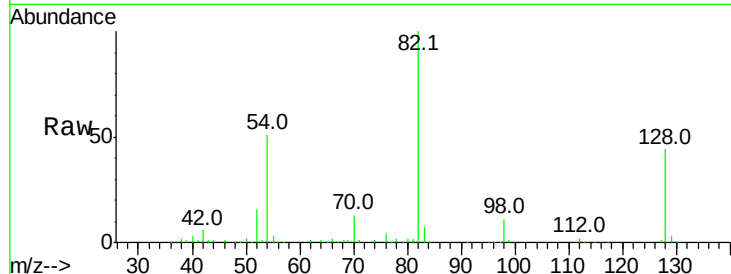
#23
Nitrobenzene-d5
Concen: 14.001 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.02 min
Lab File: BF098776.D
Acq: 25 Sep 2017 11:54

Instrument :
BNA_F
ClientSampled :
SP-1-F-COMP

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.4	36.1	54.1	
54	50.8	41.4	62.2	

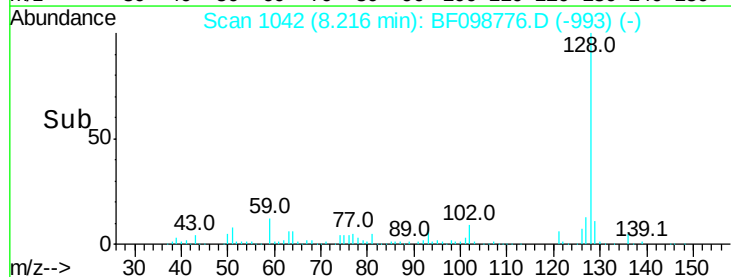
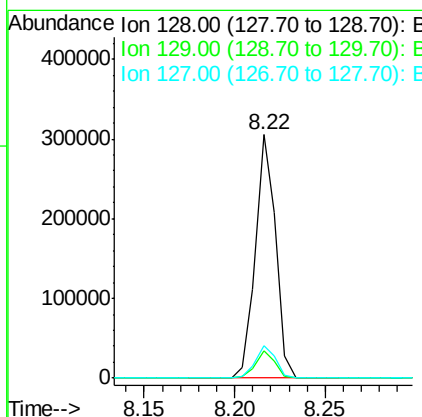
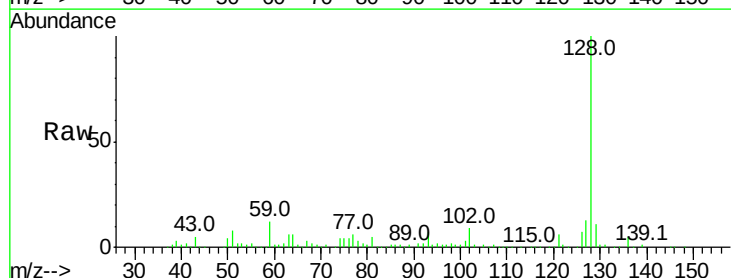
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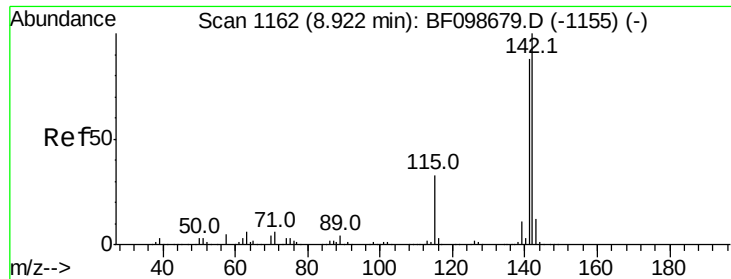
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#31
Naphthalene
Concen: 8.927 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF098776.D
Acq: 25 Sep 2017 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.2	8.8	13.2	
127	13.3	10.9	16.3	





#37

2-Methylnaphthalene

Concen: 3.434 ng

RT: 8.90 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BF098776.D

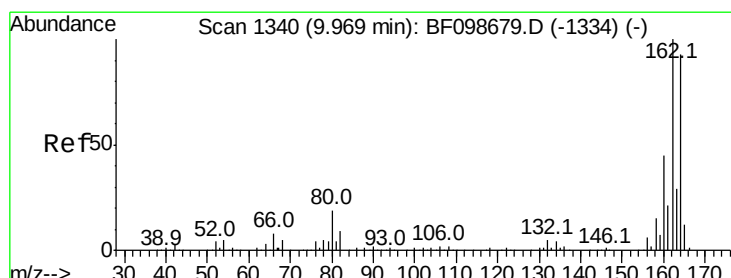
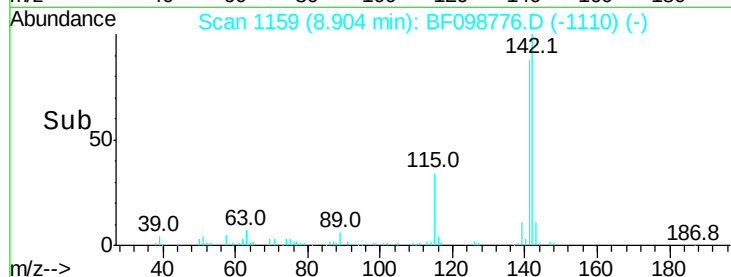
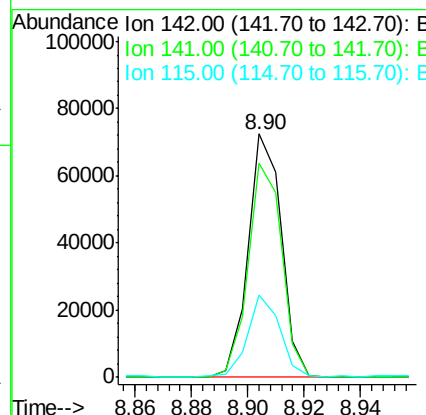
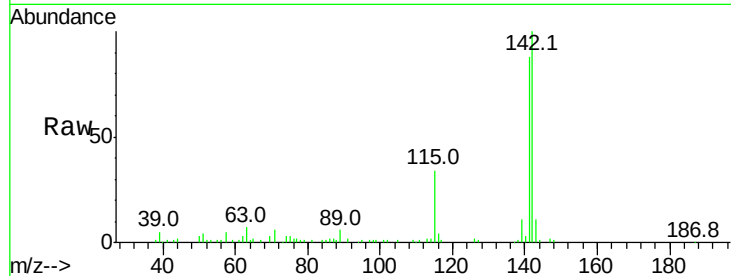
Acq: 25 Sep 2017 11:54

Instrument :
BNA_F
ClientSampleId :
SP-1-F-COMP

Tot Ion	Ratio	Resp	Lower	Upper
142	100	58959		
141	88.0		70.8	106.2
115	33.6		26.1	39.1

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#38

Acenaphthene-d10

Concen: 20.000 ng

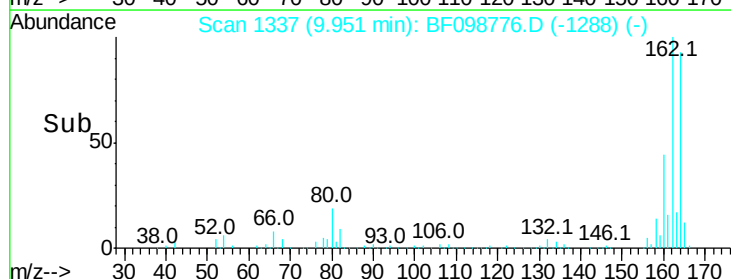
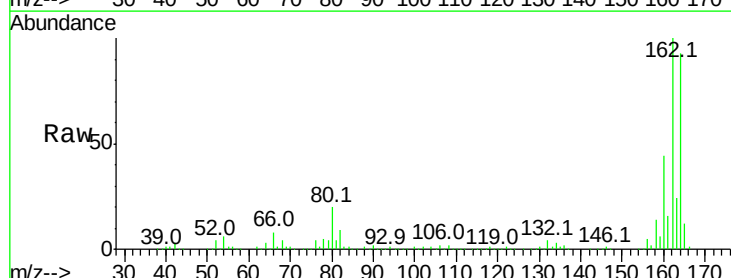
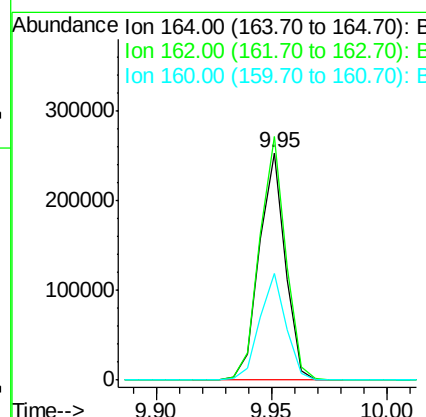
RT: 9.95 min Scan# 1337

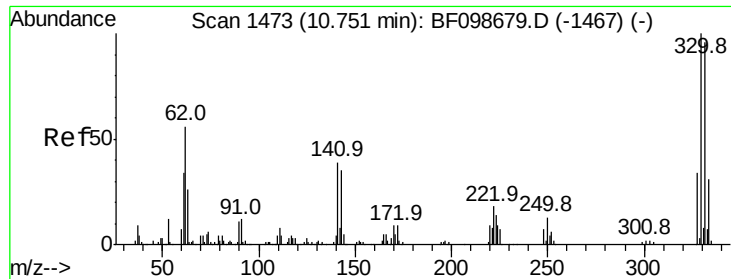
Delta R.T. -0.01 min

Lab File: BF098776.D

Acq: 25 Sep 2017 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	200002		
162	107.2		86.1	129.1
160	47.1		38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 15.836 ng

RT: 10.73 min Scan# 1470

Delta R.T. -0.02 min

Lab File: BF098776.D

Acq: 25 Sep 2017 11:54

Instrument :

BNA_F

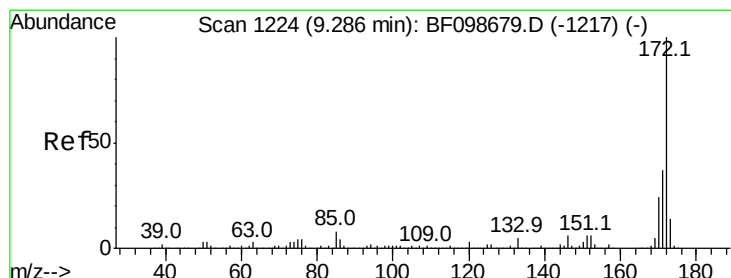
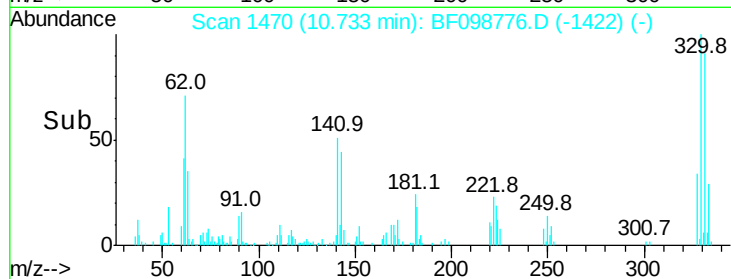
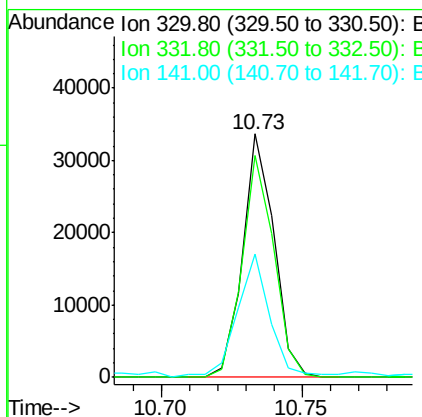
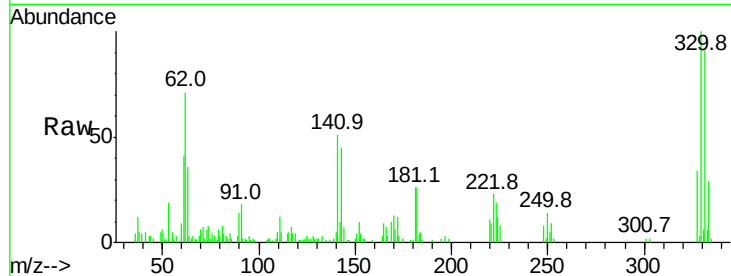
ClientSampled :

SP-1-F-COMP

Tot Ion:	330	Resp:	25917
Ion Ratio	Lower	Upper	
330	100		
332	92.6	77.0	115.6
141	53.9	29.9	44.9#

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#44

2-Fluorobiphenyl

Concen: 18.545 ng

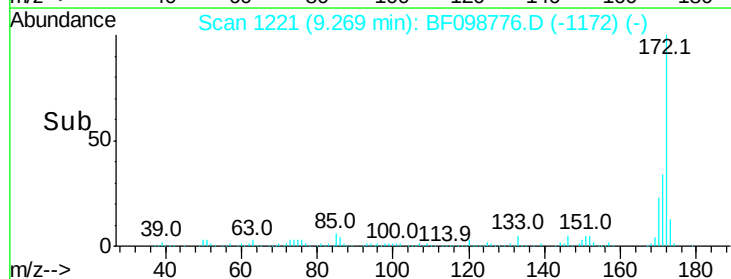
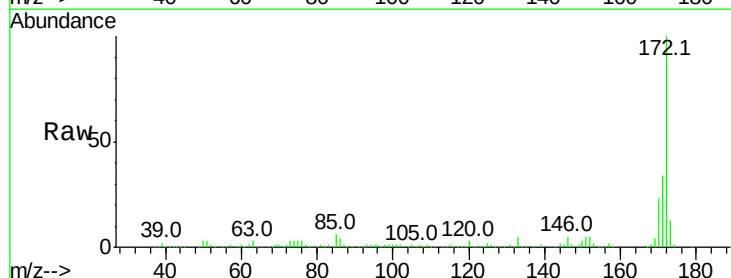
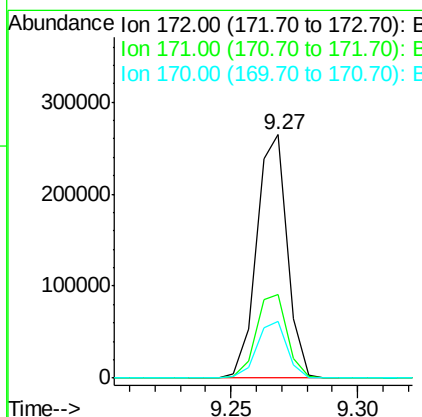
RT: 9.27 min Scan# 1221

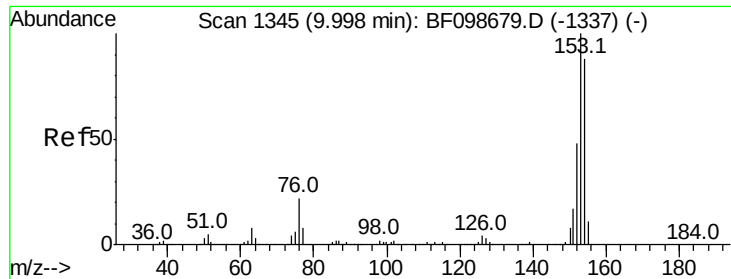
Delta R.T. -0.01 min

Lab File: BF098776.D

Acq: 25 Sep 2017 11:54

Tgt Ion:	172	Resp:	222178
Ion Ratio	Lower	Upper	
172	100		
171	34.3	29.7	44.5
170	23.3	19.6	29.4





#51

Acenaphthene

Concen: 2.259 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.02 min

Lab File: BF098776.D

Acq: 25 Sep 2017 11:54

Instrument :

BNA_F

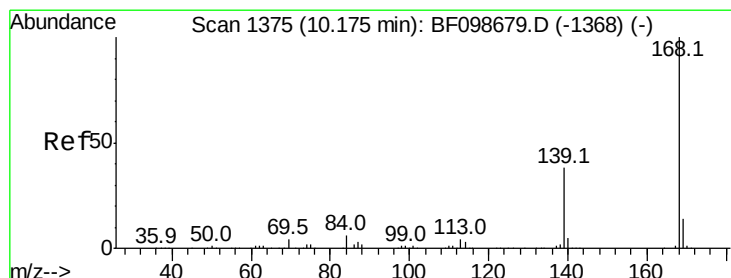
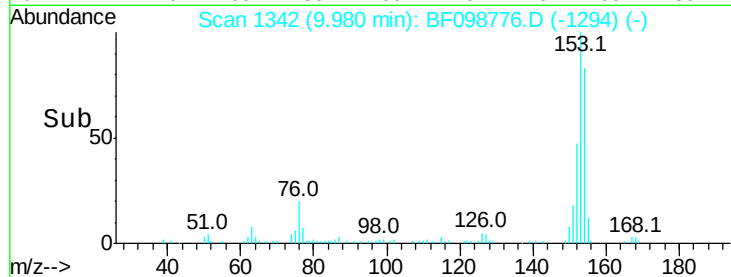
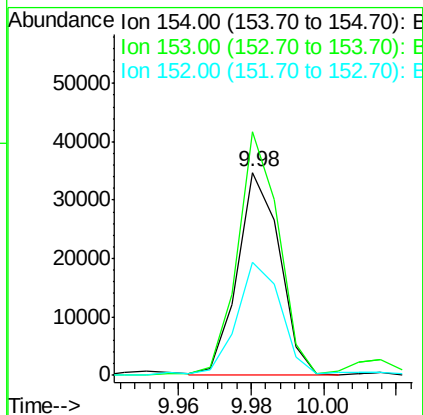
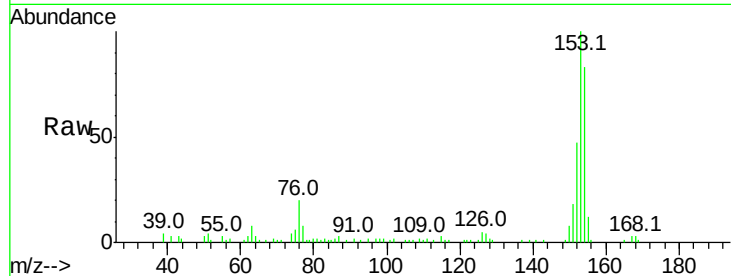
ClientSampled :

SP-1-F-COMP

Tot Ion:	154	Resp:	28272
Ion Ratio	Lower	Upper	
154	100		
153	119.8	91.2	136.8
152	55.9	43.8	65.8

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#54

Dibenzofuran

Concen: 2.060 ng

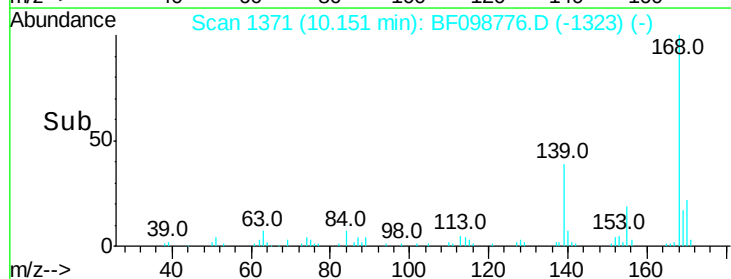
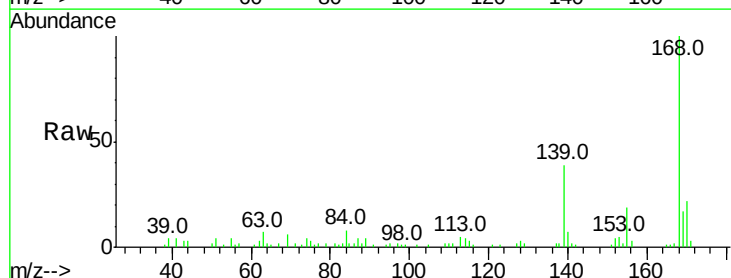
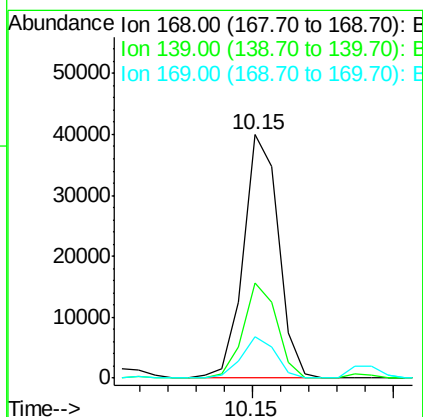
RT: 10.15 min Scan# 1371

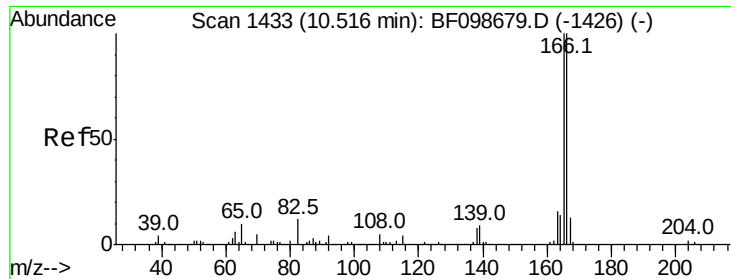
Delta R.T. -0.02 min

Lab File: BF098776.D

Acq: 25 Sep 2017 11:54

Tgt Ion:	168	Resp:	34327
Ion Ratio	Lower	Upper	
168	100		
139	39.3	30.1	45.1
169	17.0	10.9	16.3#





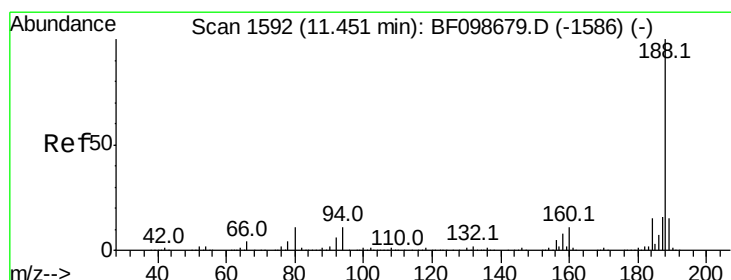
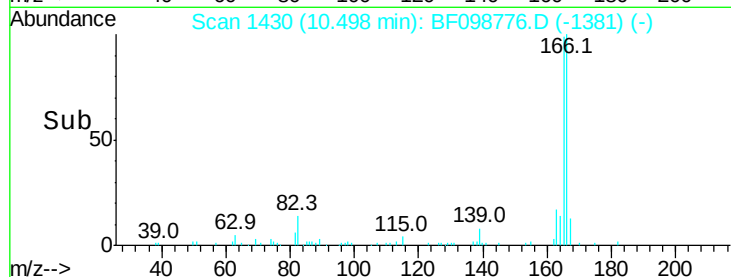
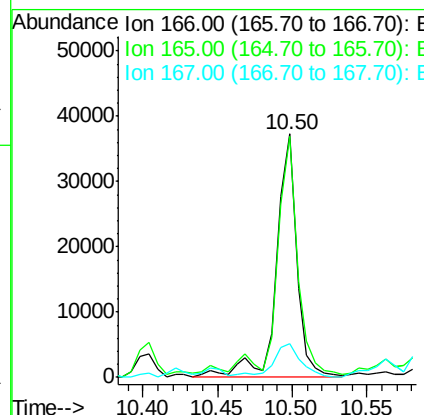
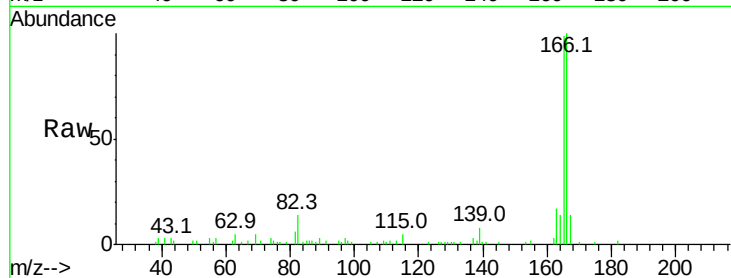
#57
 Fluorene
 Concen: 2.675 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.01 min
 Lab File: BF098776.D
 Acq: 25 Sep 2017 11:54

Instrument :
 BNA_F
 ClientSampled :
 SP-1-F-COMP

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.2	79.8	119.8	
167	14.0	10.6	16.0	

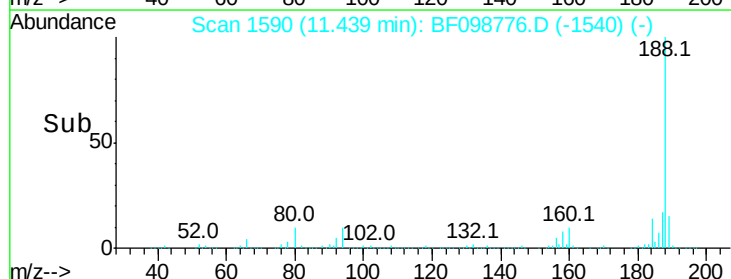
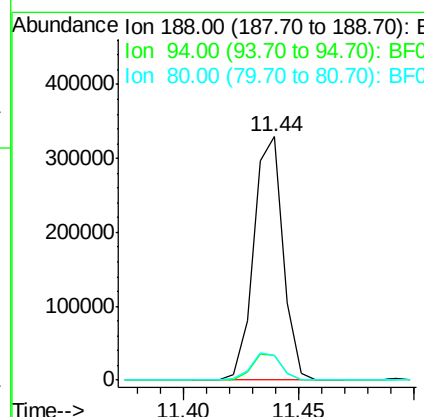
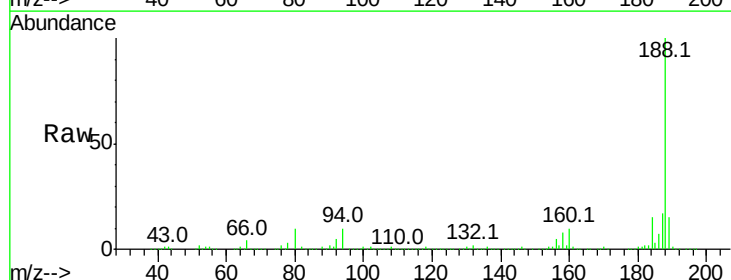
Manual Integrations
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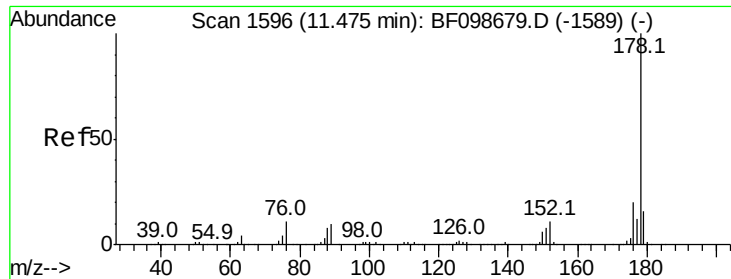
Sohil
 9/26/2017 4:58:21 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098776.D
 Acq: 25 Sep 2017 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.0	8.5	12.7	
80	10.4	9.2	13.8	





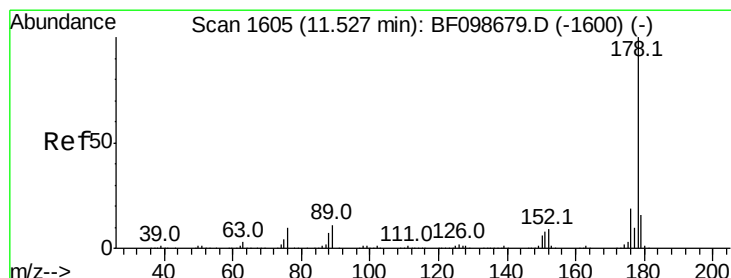
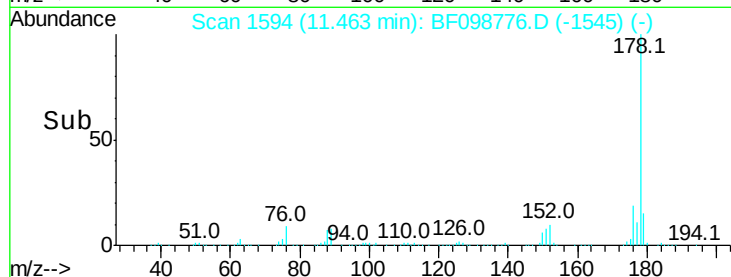
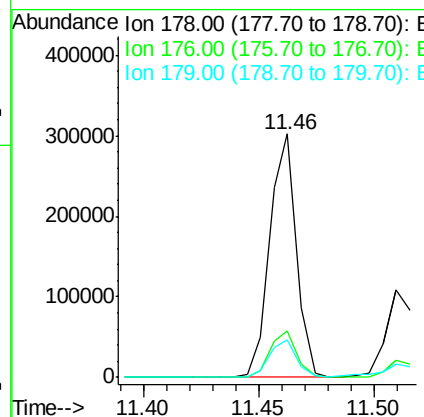
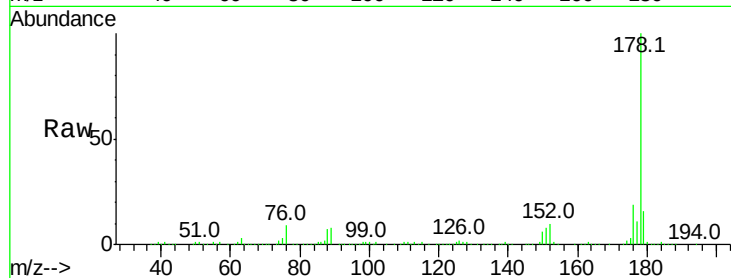
#70
Phenanthrene
Concen: 15.484 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098776.D
Acq: 25 Sep 2017 11:54

Instrument :
BNA_F
ClientSampleId :
SP-1-F-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.6	13.0	19.6

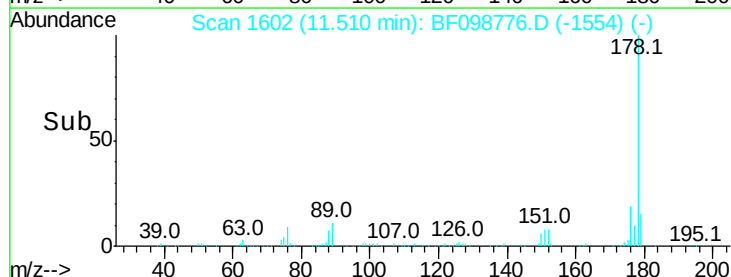
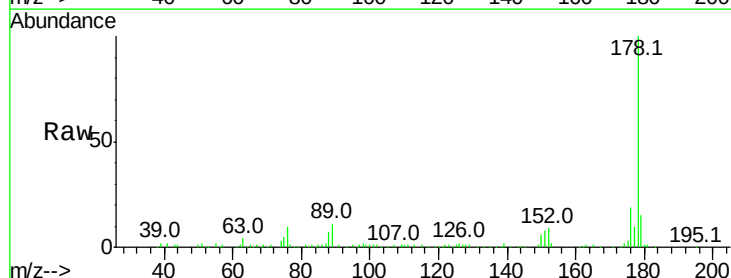
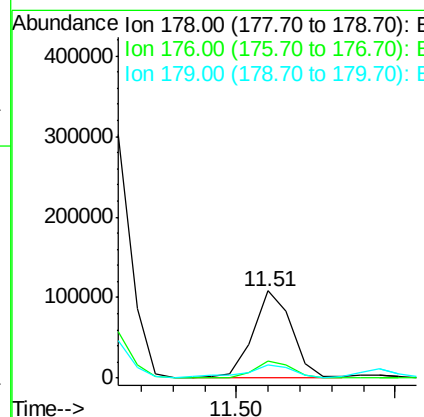
Manual Integrations
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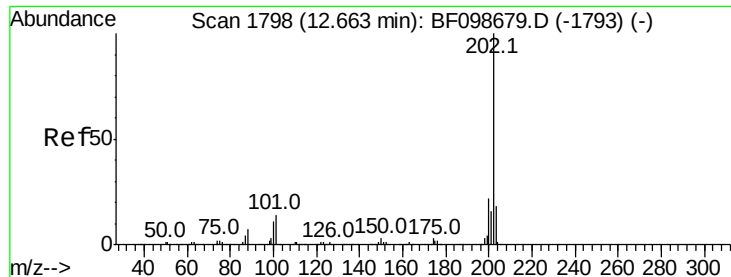
Sohil
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#71
Anthracene
Concen: 5.532 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.02 min
Lab File: BF098776.D
Acq: 25 Sep 2017 11:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.4	12.6	19.0





#74

Fluoranthene

Concen: 30.796 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098776.D

Acq: 25 Sep 2017 11:54

Instrument :

BNA_F

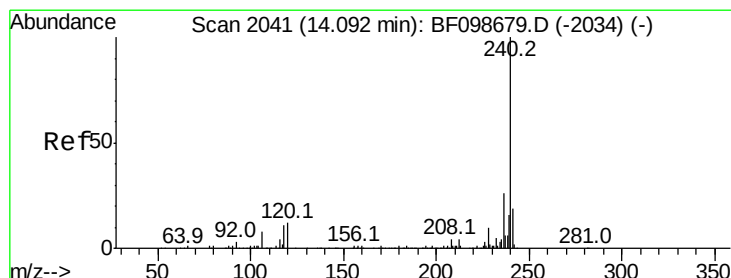
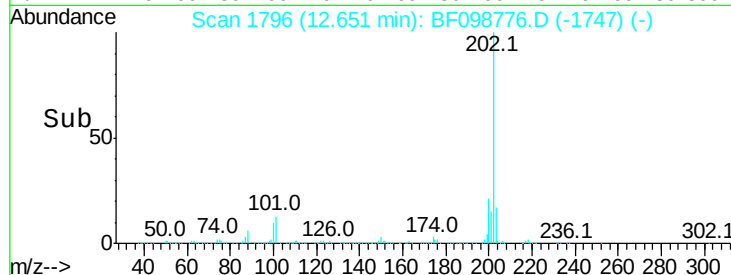
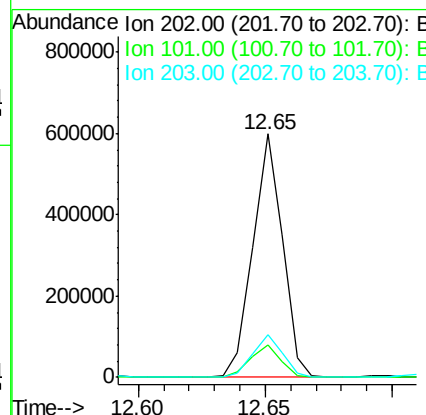
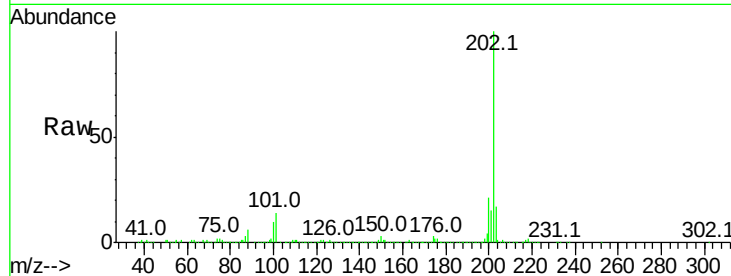
ClientSampled :

SP-1-F-COMP

Tot Ion:	202	Resp:	488139
Ion Ratio	Lower	Upper	
202	100		
101	13.6	0.0	34.1
203	17.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

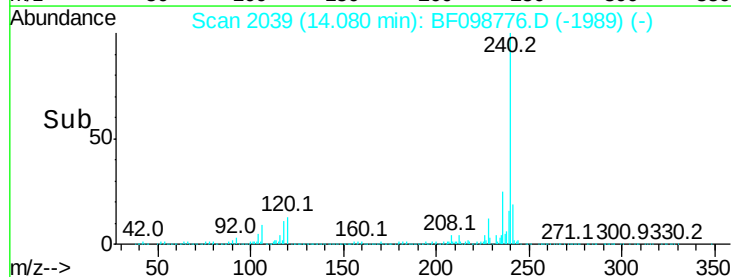
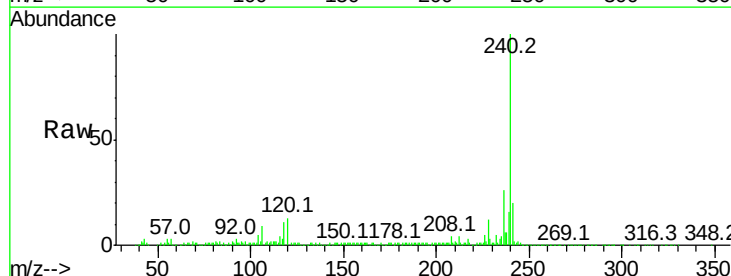
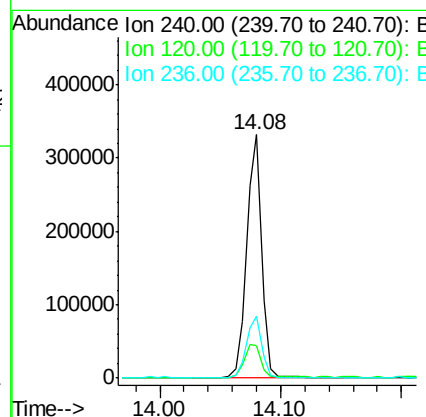
RT: 14.08 min Scan# 2039

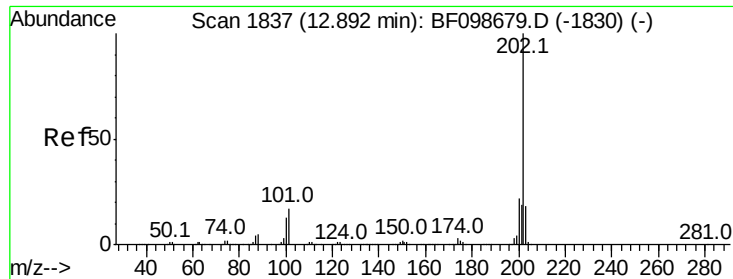
Delta R.T. -0.01 min

Lab File: BF098776.D

Acq: 25 Sep 2017 11:54

Tgt Ion:	240	Resp:	285472
Ion Ratio	Lower	Upper	
240	100		
120	13.2	9.5	14.3
236	25.5	20.7	31.1





#77

Pvrene

Concen: 23.071 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098776.D

Acq: 25 Sep 2017 11:54

Instrument :

BNA_F

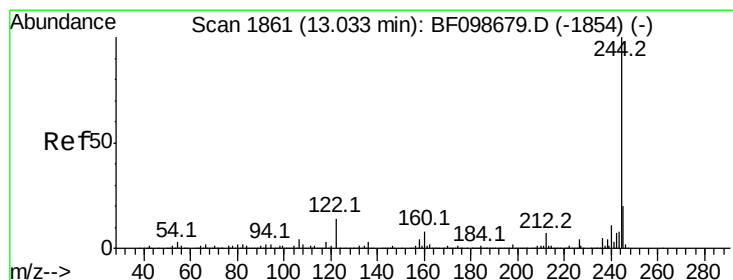
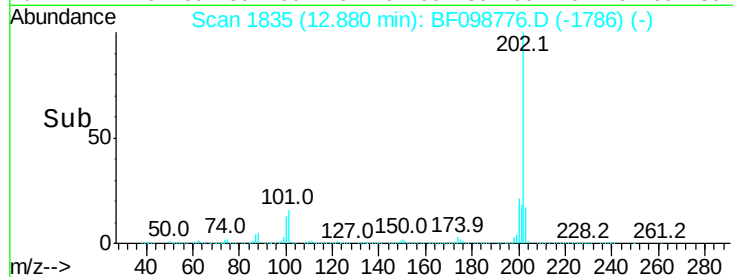
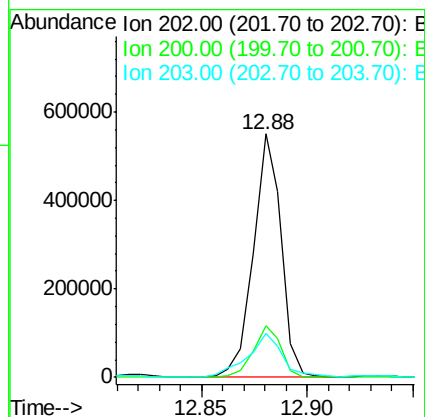
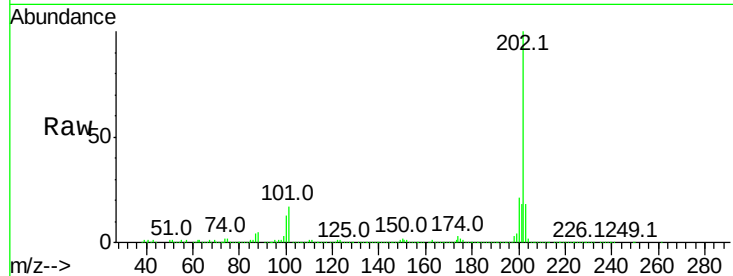
ClientSampleId :

SP-1-F-COMP

Tot Ion:	202	Resp:	502227
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	17.8	14.3	21.5

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#78

Terphenyl-d14

Concen: 11.868 ng

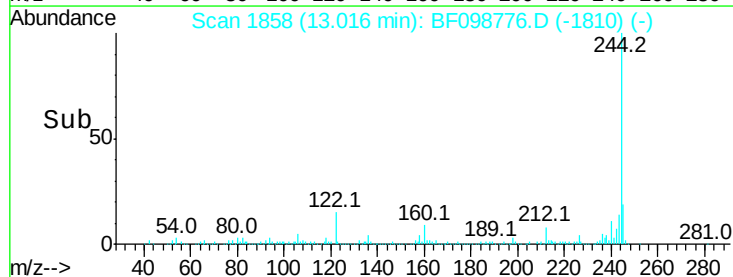
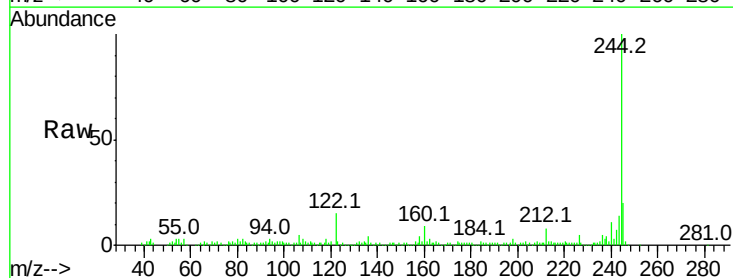
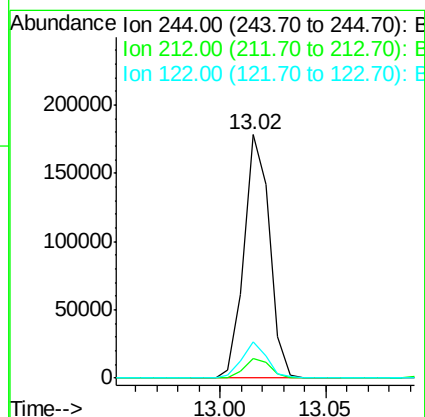
RT: 13.02 min Scan# 1858

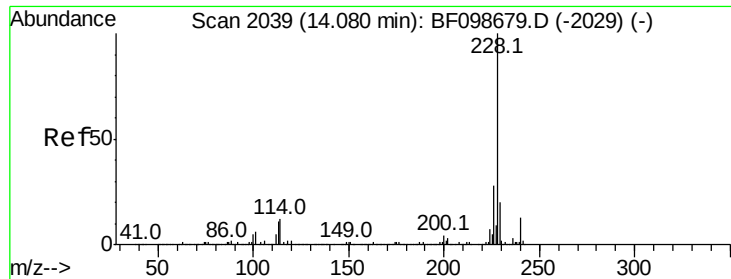
Delta R.T. -0.02 min

Lab File: BF098776.D

Acq: 25 Sep 2017 11:54

Tgt Ion:	244	Resp:	148972
Ion Ratio	Lower	Upper	
244	100		
212	7.8	5.4	8.0
122	15.1	11.0	16.4





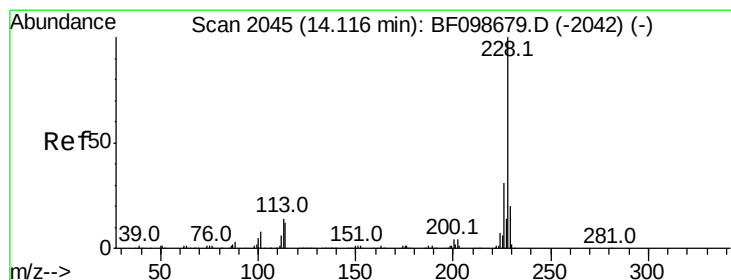
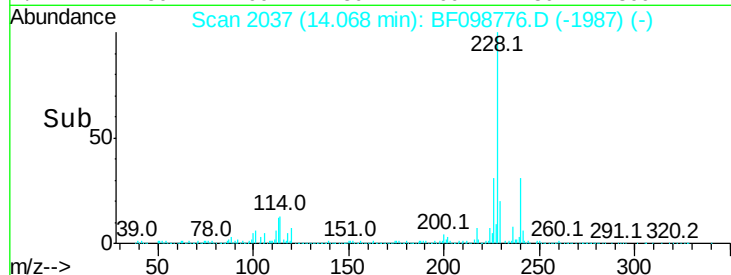
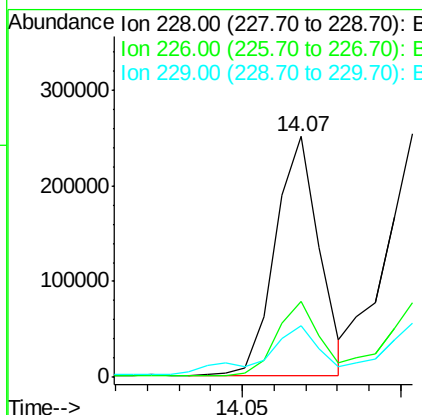
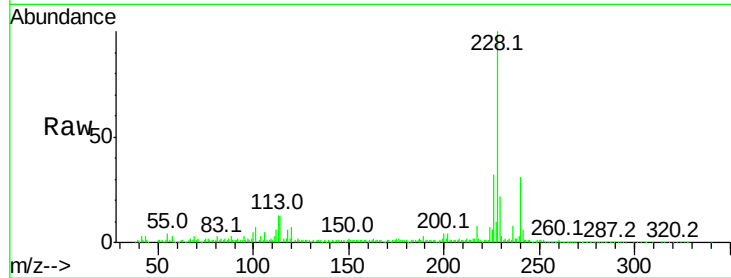
#80
Benzo(a)anthracene
Concen: 13.882 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF098776.D
Acq: 25 Sep 2017 11:54

Instrument :
BNA_F
ClientSampleId :
SP-1-F-COMP

Tot Ion	Ratio	Resp	Lower	Upper
228	100	239957		
226	31.8		22.6	33.8
229	21.6		15.8	23.6

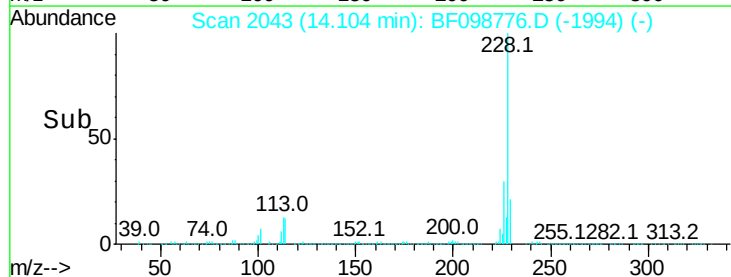
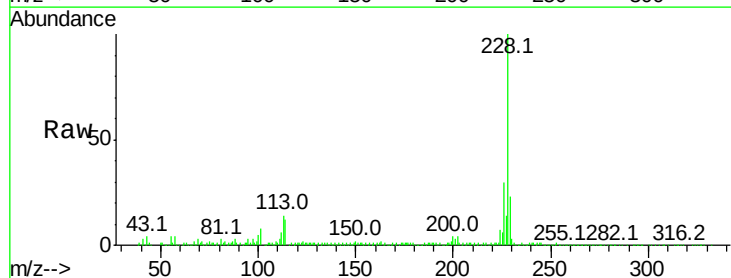
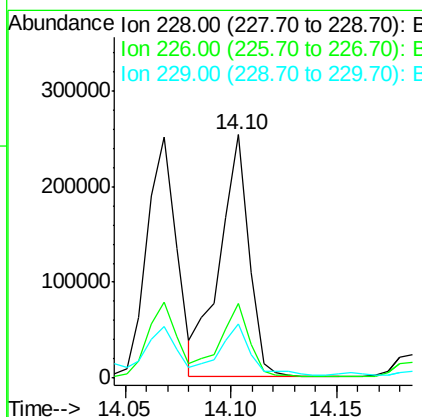
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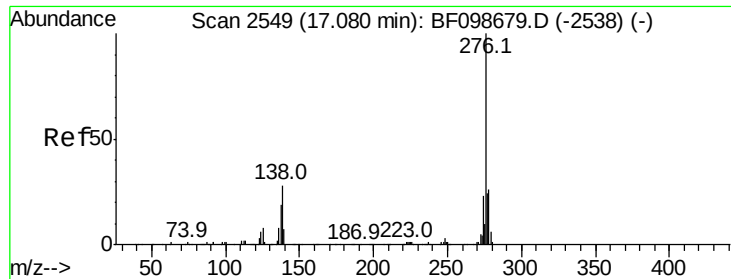
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#82
Chrysene
Concen: 14.659 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF098776.D
Acq: 25 Sep 2017 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	241245		
226	30.5		25.0	37.6
229	22.5		16.2	24.4





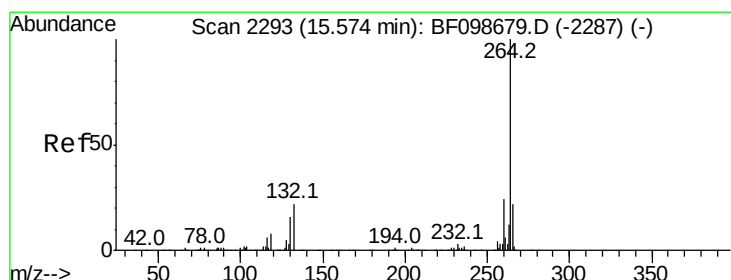
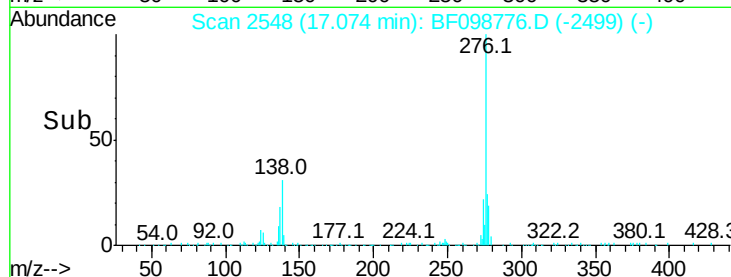
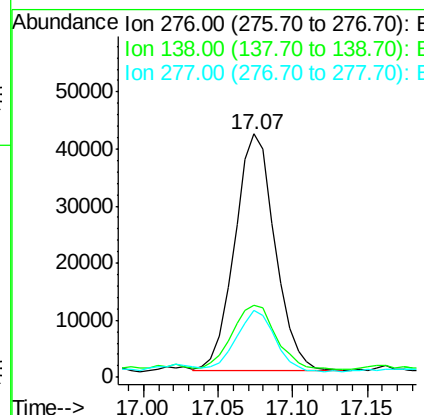
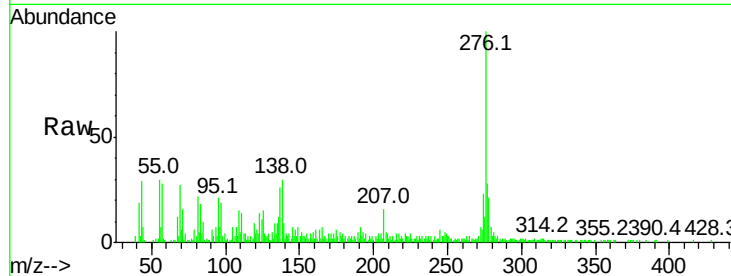
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.939 ng
 RT: 17.07 min Scan# 2548
 Delta R.T. -0.01 min
 Lab File: BF098776.D
 Acq: 25 Sep 2017 11:54

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-F-COMP

Tot Ion:	276	Resp:	78181
Ion Ratio	Lower	Upper	
276	100		
138	29.8	25.0	37.6
277	24.8	20.1	30.1

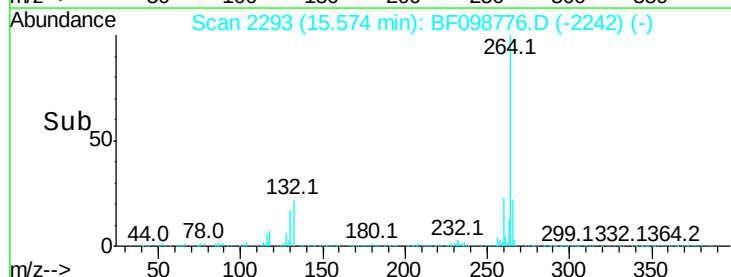
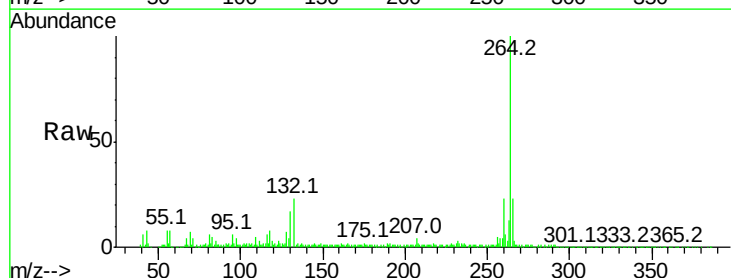
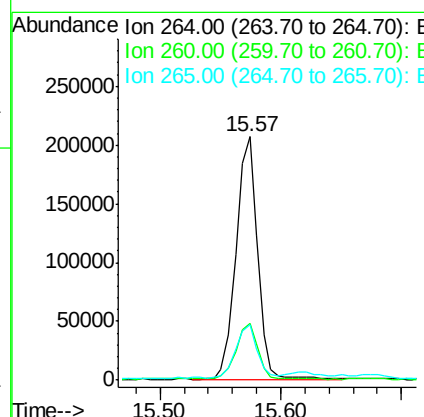
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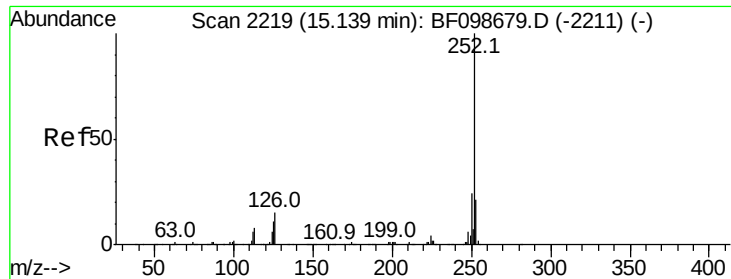
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: BF098776.D
 Acq: 25 Sep 2017 11:54

Tgt Ion:	264	Resp:	256043
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.2	28.8
265	22.5	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 17.791 ng m

RT: 15.13 min Scan# 2218

Delta R.T. -0.01 min

Lab File: BF098776.D

Acq: 25 Sep 2017 11:54

Instrument :

BNA_F

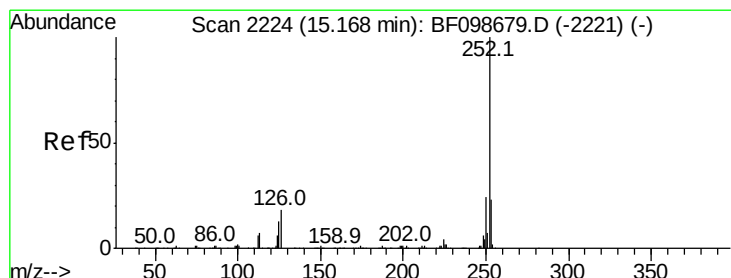
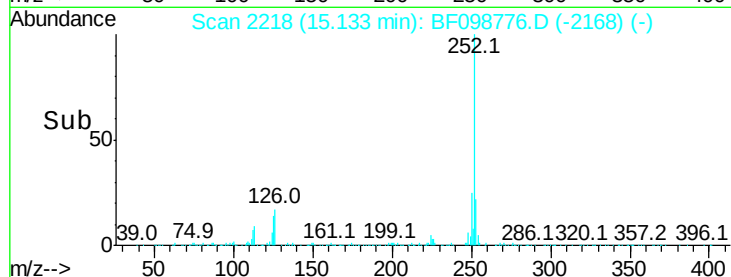
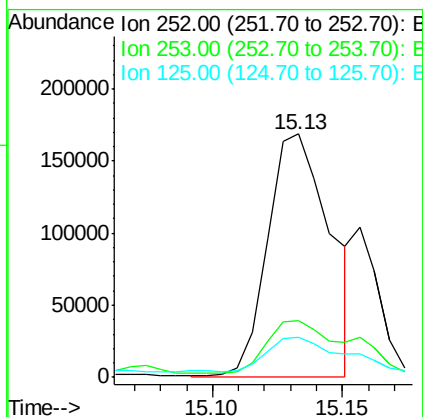
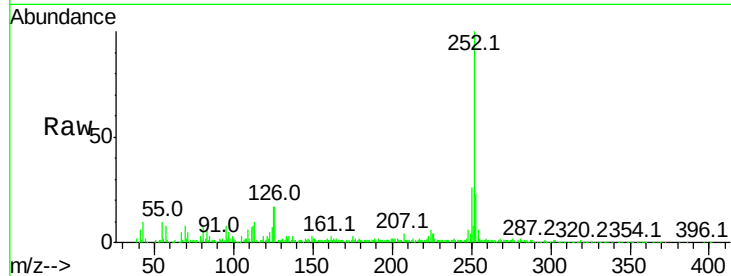
ClientSampleId :

SP-1-F-COMP

Tot Ion:	252	Resp:	280079
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.0	25.6
125	16.6	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 4.847 ng m

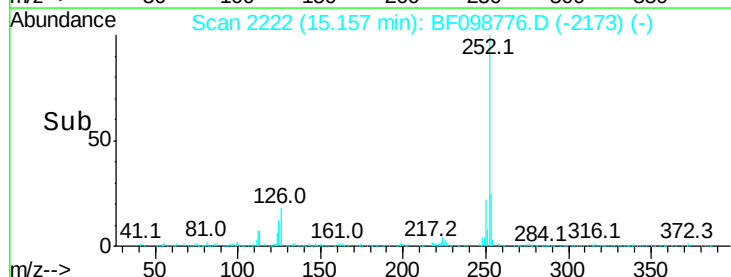
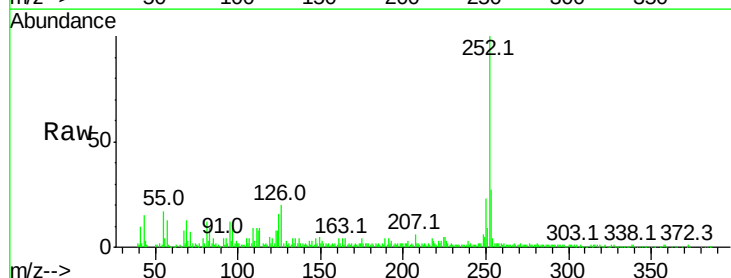
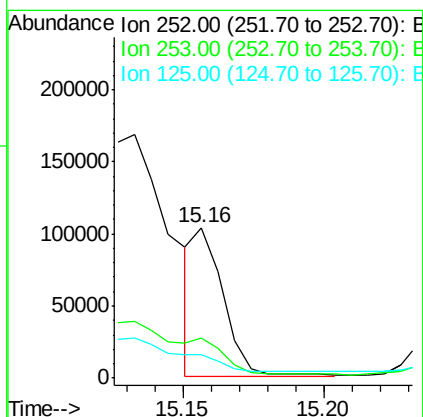
RT: 15.16 min Scan# 2222

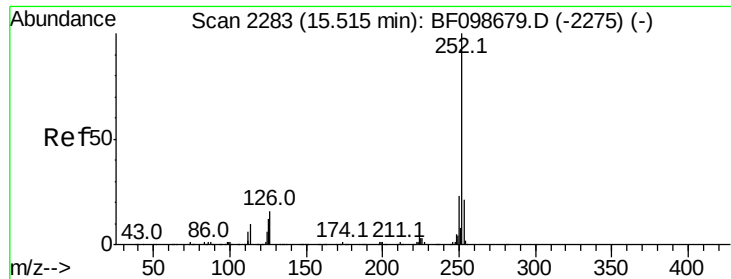
Delta R.T. -0.01 min

Lab File: BF098776.D

Acq: 25 Sep 2017 11:54

Tgt Ion:	252	Resp:	75364
Ion Ratio	Lower	Upper	
252	100		
253	27.0	17.9	26.9#
125	15.7	10.2	15.2#





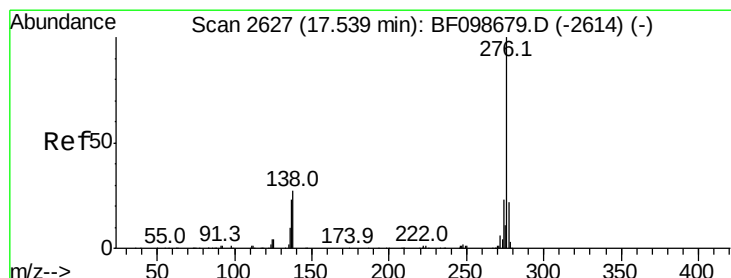
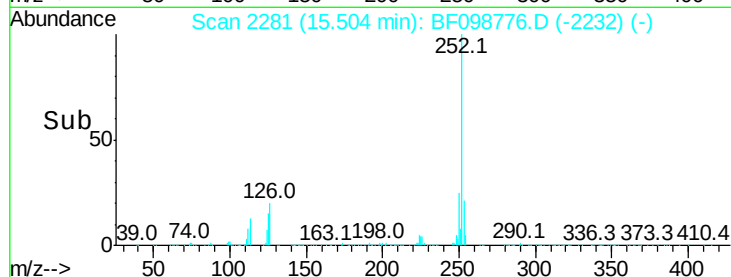
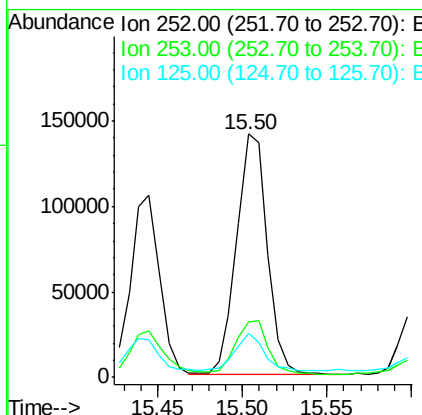
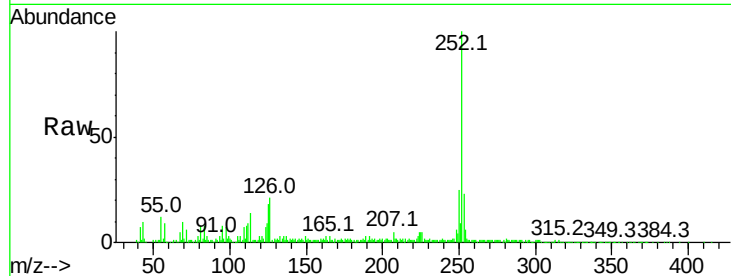
#89
Benzo(a)pyrene
Concen: 12.461 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF098776.D
Acq: 25 Sep 2017 11:54

Instrument :
BNA_F
ClientSampleId :
SP-1-F-COMP

Tot Ion	Ratio	Resp	Lower	Upper
252	100	180072		
253	23.0		17.1	25.7
125	17.9		9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 6.723 ng
RT: 17.53 min Scan# 2626
Delta R.T. -0.01 min
Lab File: BF098776.D
Acq: 25 Sep 2017 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	76852		
277	23.9		17.9	26.9
138	31.4		21.8	32.8

