

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
 Data File : BF098761.D
 Acq On : 24 Sep 2017 1:43
 Operator : SJ/JU
 Sample : I5360-11 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Sep 25 08:12:27 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	128455	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	480913	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	168453	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	277054	20.00	ng	0.00
75) Chrysene-d12	14.09	240	253622	20.00	ng	0.00
86) Perylene-d12	15.59	264	202072	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	162665	20.16	ng	-0.01
7) Phenol-d6	6.53	99	188770	18.96	ng	-0.01
23) Nitrobenzene-d5	7.47	82	103066	13.74	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	22936	16.64	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	184474	18.28	ng	0.00
78) Terphenyl-d14	13.03	244	141131	12.66	ng	0.00
Target Compounds						
31) Naphthalene	8.23	128	200274	8.867	ng	99
37) 2-Methylnaphthalene	8.92	142	49295	3.357	ng	98
51) Acenaphthene	9.99	154	24910	2.363	ng	96
54) Dibenzofuran	10.16	168	28354	2.020	ng	97
57) Fluorene	10.50	166	28113	2.492	ng	98
70) Phenanthrene	11.47	178	228818	15.429	ng	99
71) Anthracene	11.52	178	87480	5.765	ng	99
74) Fluoranthene	12.66	202	466869	31.089	ng	97
77) Pyrene	12.89	202	477478	24.689	ng	99
80) Benzo(a)anthracene	14.07	228	218577	14.233	ng	96
82) Chrysene	14.12	228	207041	14.161	ng	98
85) Indeno(1,2,3-cd)pyrene	17.09	276	65544	5.604	ng	99
87) Benzo(b)fluoranthene	15.14	252	226917m	18.264	ng	
88) Benzo(k)fluoranthene	15.17	252	59637m	4.860	ng	
89) Benzo(a)pyrene	15.52	252	142610	12.505	ng	# 94
90) Dibenzo(a,h)anthracene	17.10	278	18347	2.010	ng	# 57
91) Benzo(a,h,i)perylene	17.55	276	64983	7.203	ng	94

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

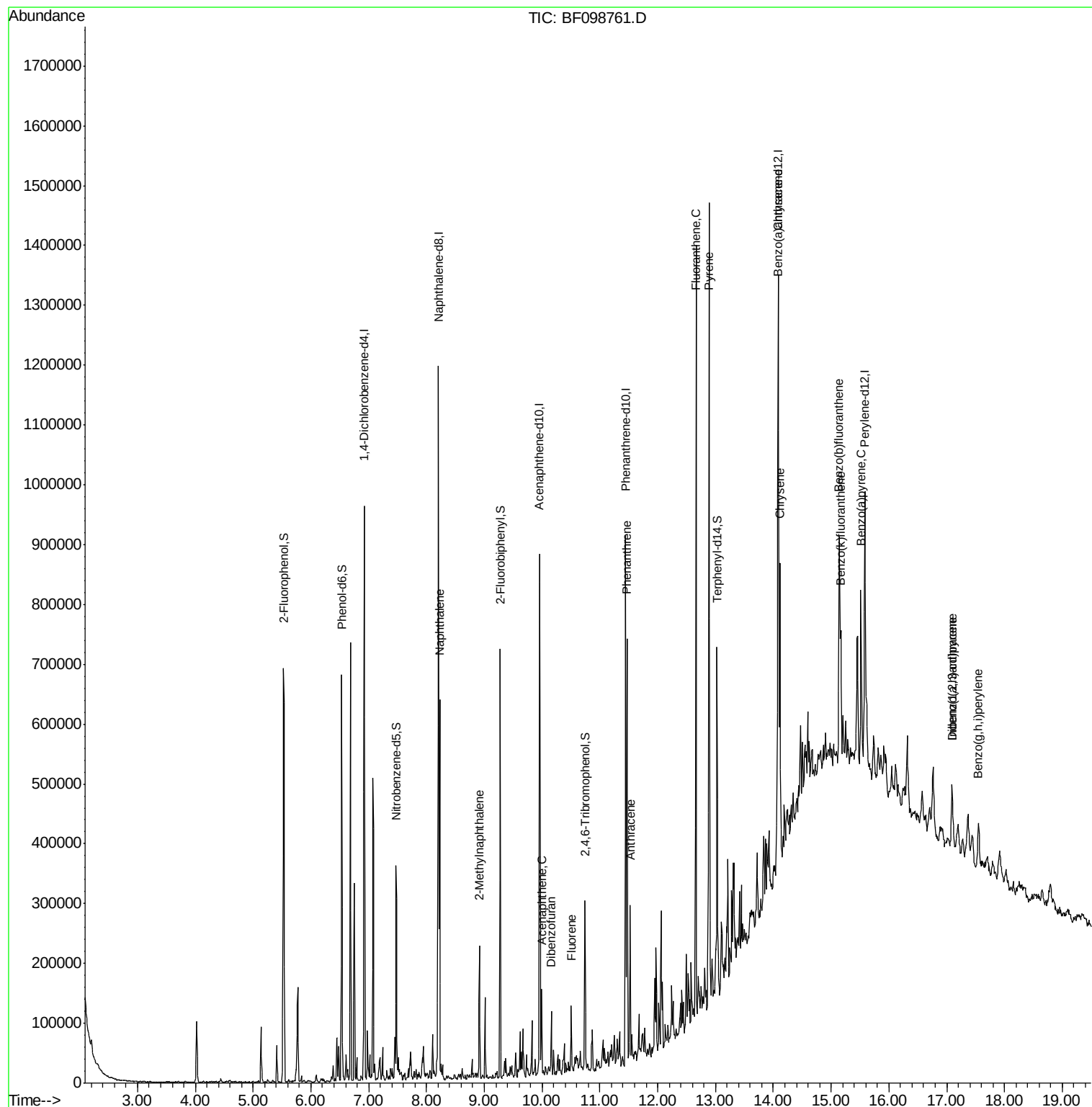
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
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Acq On : 24 Sep 2017 1:43
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Misc :
ALS Vial : 25 Sample Multiplier: 1

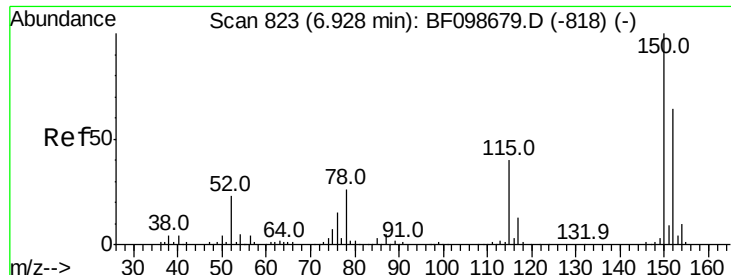
Instrument :
BNA_F
ClientSampled :
SP-1-F-COMP

Quant Time: Sep 25 08:12:27 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

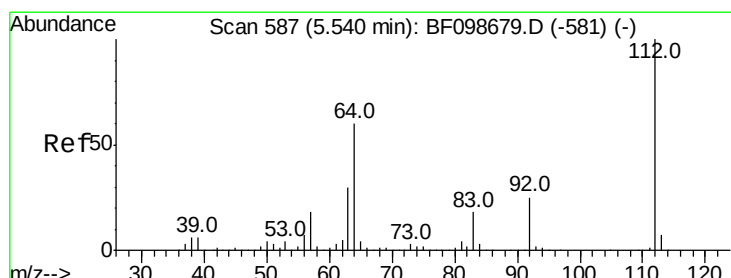
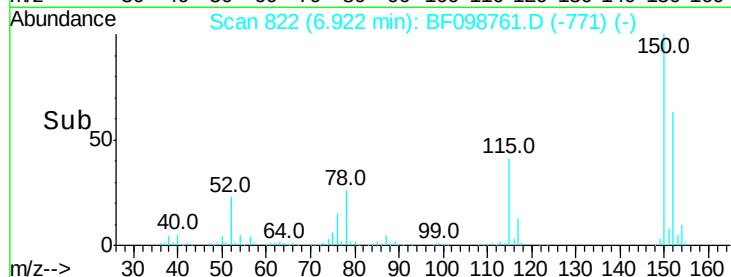
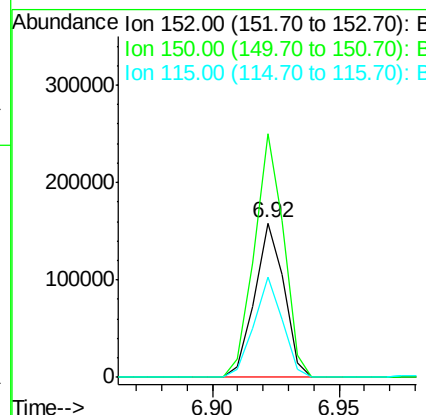
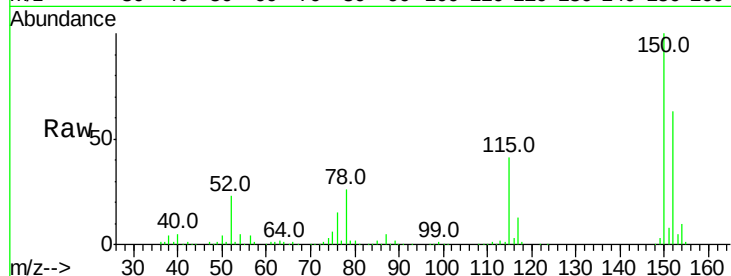
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.6	186.8
115	64.6	50.1	75.1

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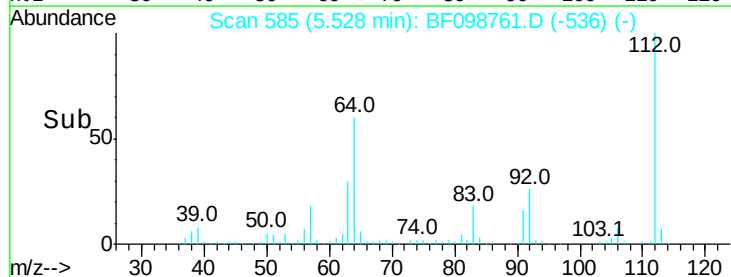
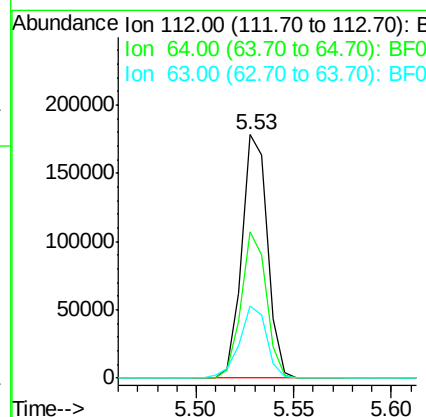
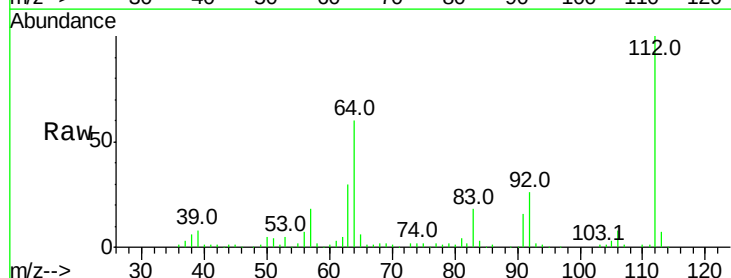
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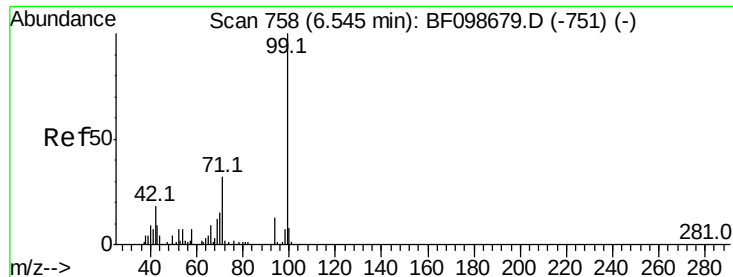


#5

2-Fluorophenol
Concen: 20.159 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.9	47.9	71.9
63	29.7	23.7	35.5





#7

Phenol-d6

Concen: 18.964 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Instrument :

BNA_F

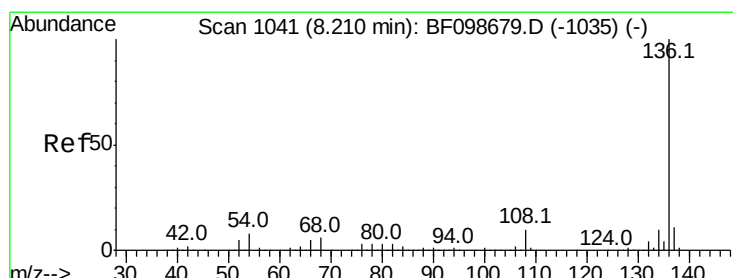
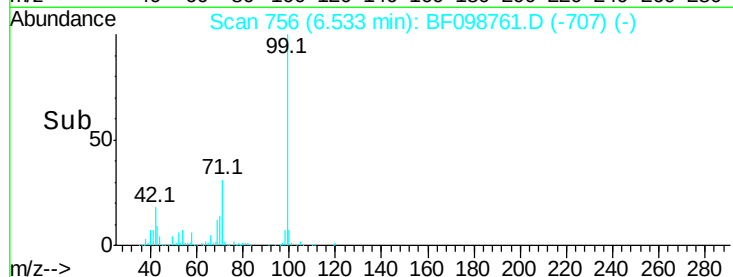
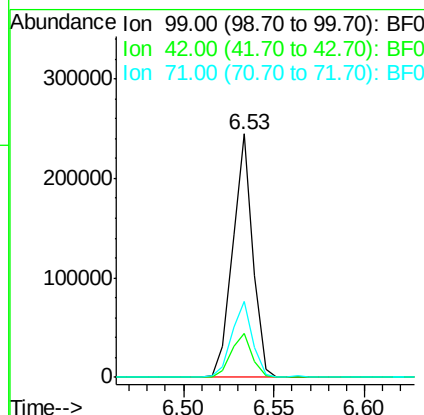
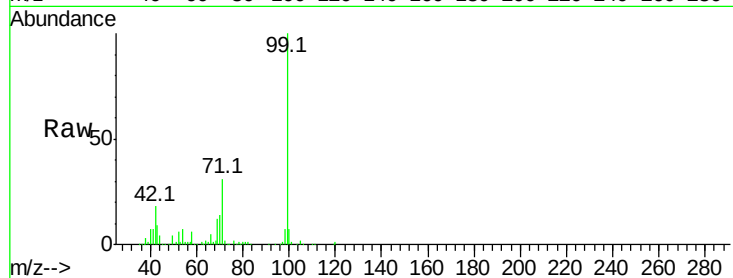
ClientSampleId :

SP-1-F-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		188770		
42	18.0	14.5	21.7		
71	31.3	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

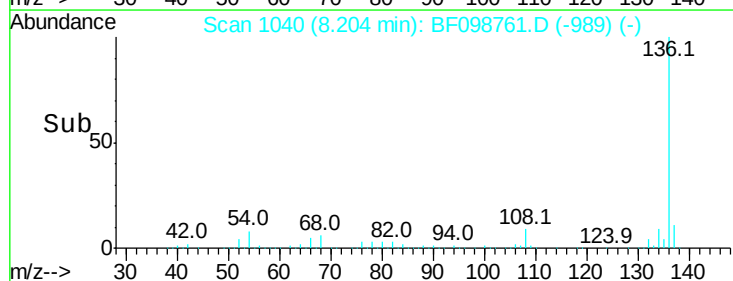
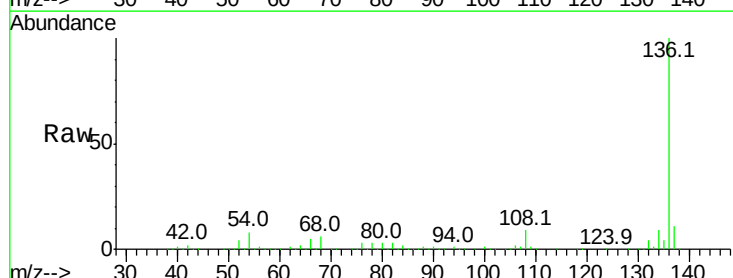
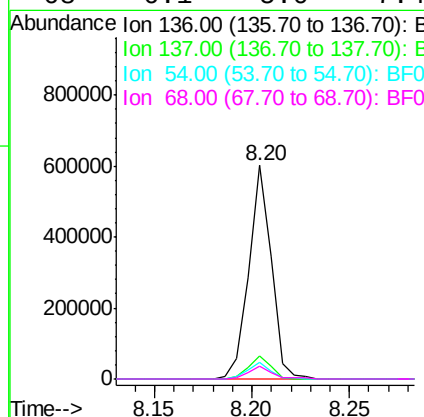
RT: 8.20 min Scan# 1040

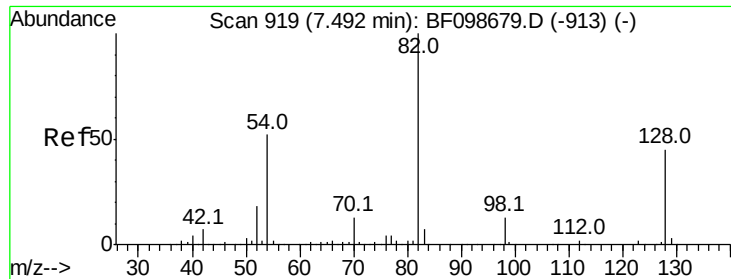
Delta R.T. -0.00 min

Lab File: BF098761.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		480913		
137	11.0	8.9	13.3		
54	8.1	6.6	9.8		
68	6.1	5.0	7.4		





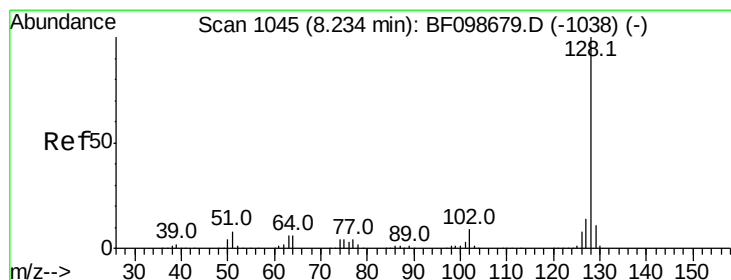
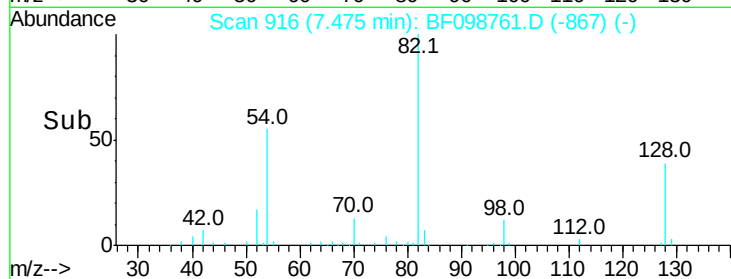
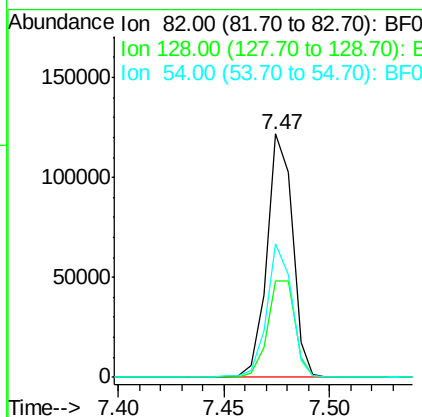
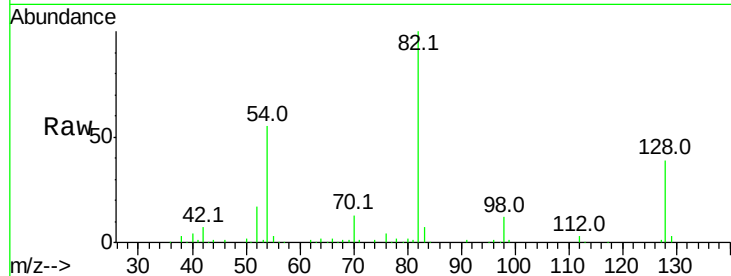
#23
Nitrobenzene-d5
Concen: 13.744 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	39.5	36.1	54.1	
54	54.6	41.4	62.2	

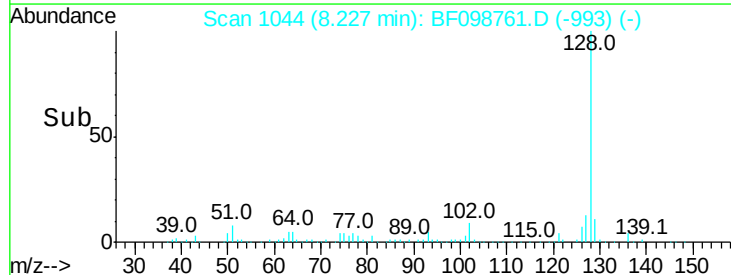
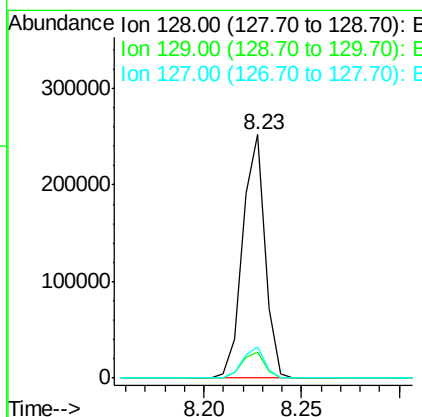
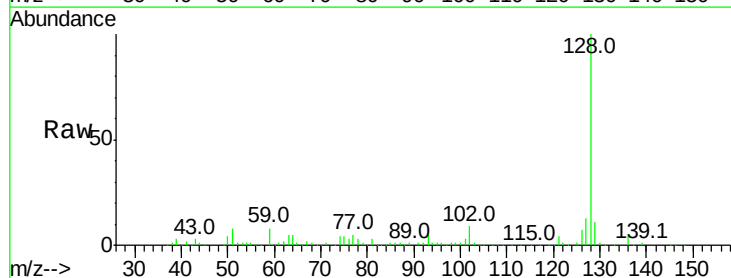
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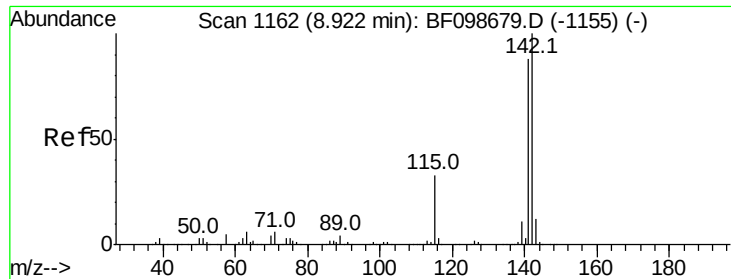
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#31
Naphthalene
Concen: 8.867 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.8	8.8	13.2	
127	13.0	10.9	16.3	





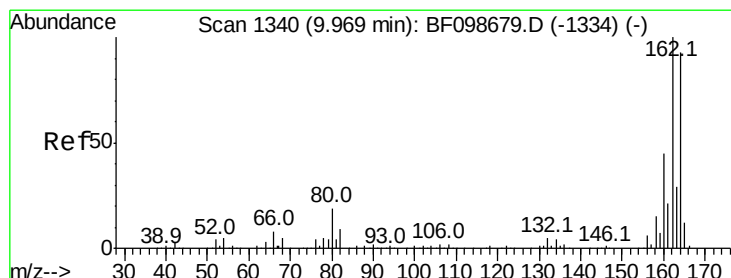
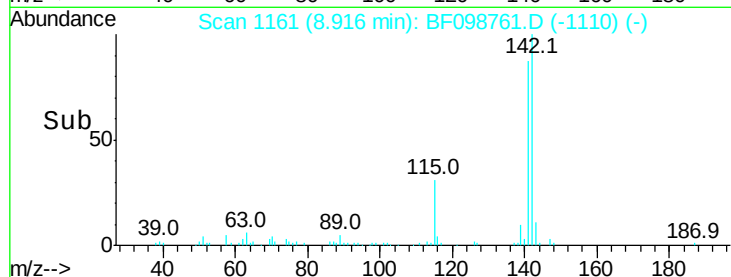
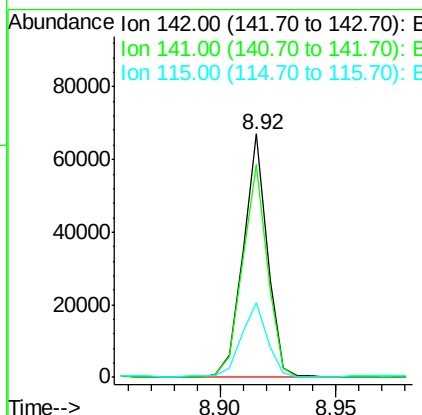
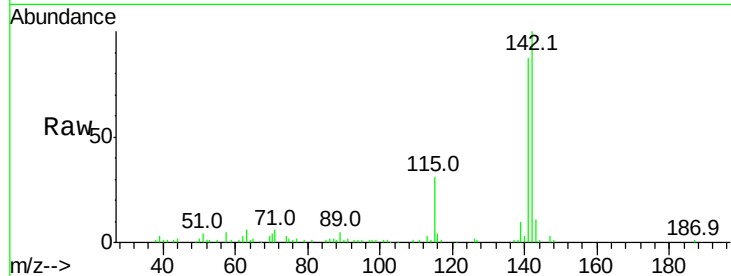
#37
2-Methylnaphthalene
Concen: 3.357 ng
RT: 8.92 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

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

Tot Ion	Ratio	Resp	Lower	Upper
142	100	49295		
141	87.4		70.8	106.2
115	30.8		26.1	39.1

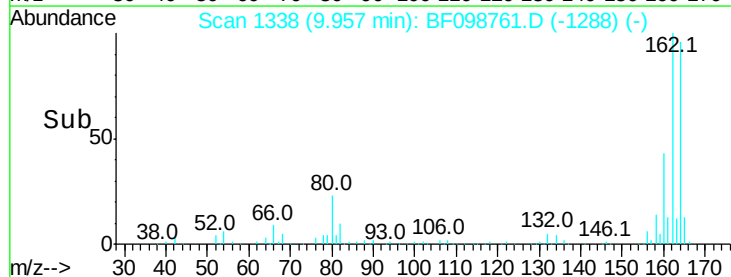
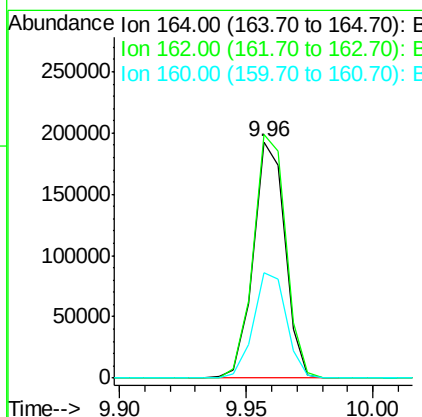
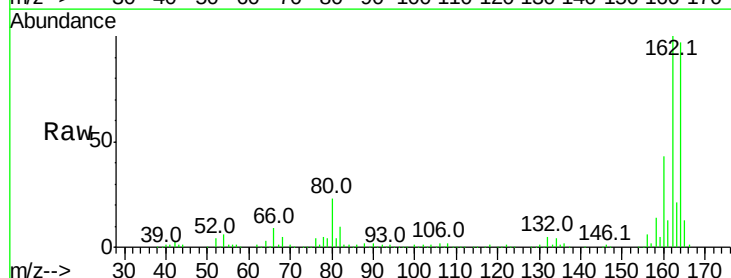
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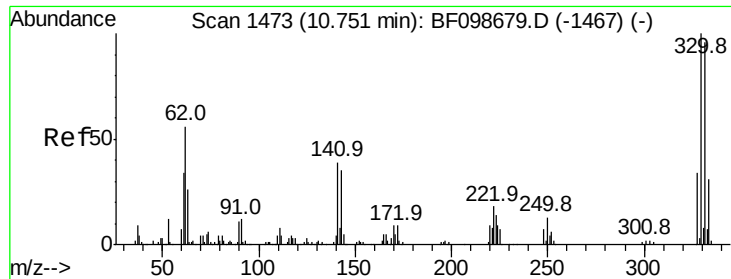
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	168453		
162	103.1		86.1	129.1
160	44.7		38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 16.640 ng

RT: 10.74 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Instrument :

BNA_F

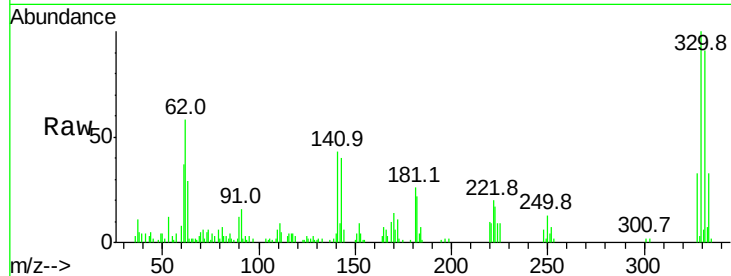
ClientSampled :

SP-1-F-COMP

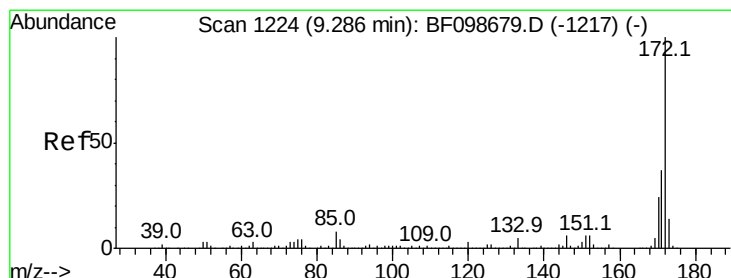
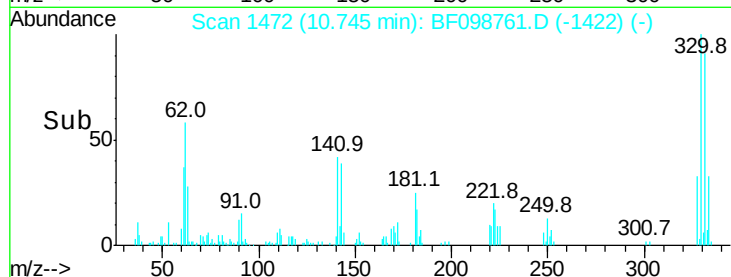
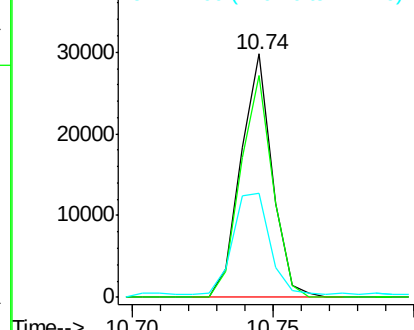
Tot Ion:	330	Resp:	22936
Ion Ratio	Lower	Upper	
330	100		
332	93.0	77.0	115.6
141	48.7	29.9	44.9#

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 18.282 ng

RT: 9.27 min Scan# 1222

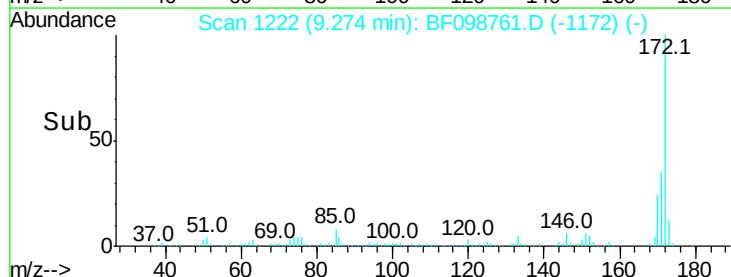
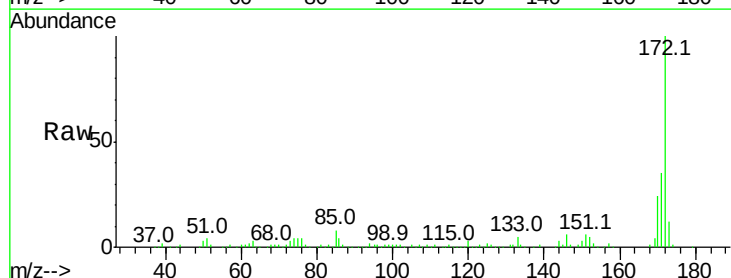
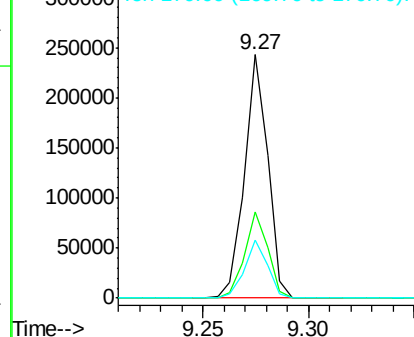
Delta R.T. -0.01 min

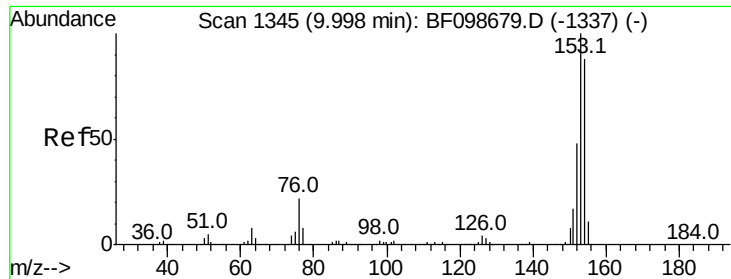
Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Tgt Ion:	172	Resp:	184474
Ion Ratio	Lower	Upper	
172	100		
171	35.4	29.7	44.5
170	23.6	19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 2.363 ng

RT: 9.99 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Instrument :

BNA_F

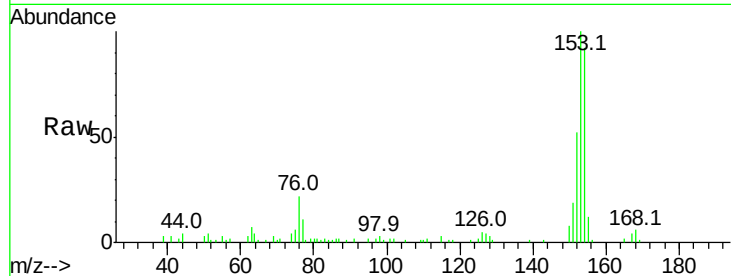
ClientSampleId :

SP-1-F-COMP

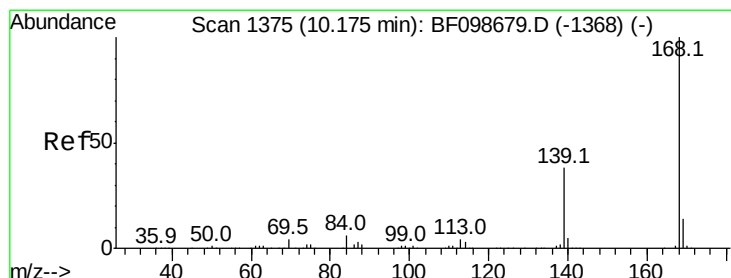
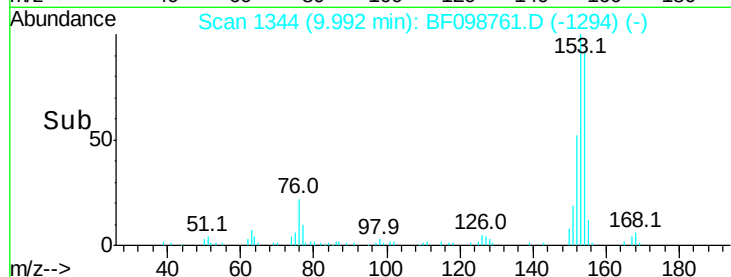
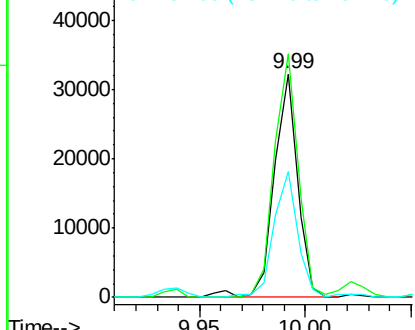
Tot Ion:	154	Resp:	24910
Ion Ratio	Lower	Upper	
154	100		
153	109.1	91.2	136.8
152	56.6	43.8	65.8

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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: 2.020 ng

RT: 10.16 min Scan# 1373

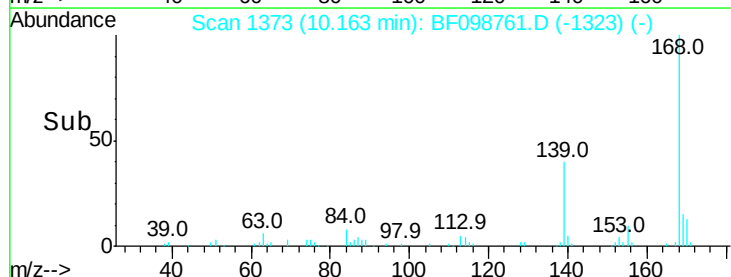
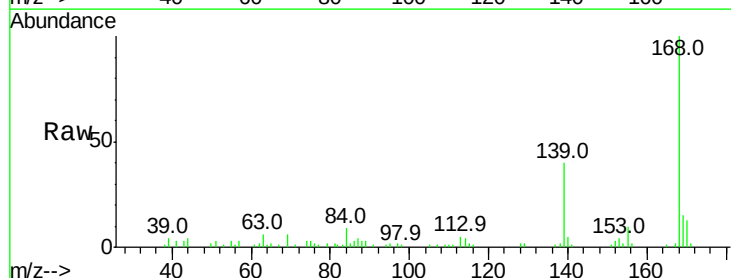
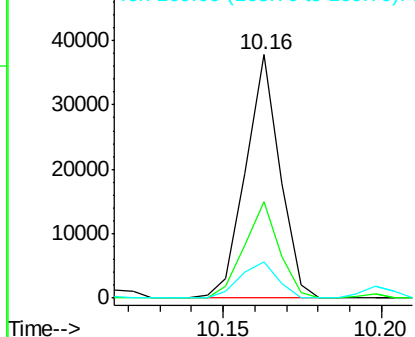
Delta R.T. -0.01 min

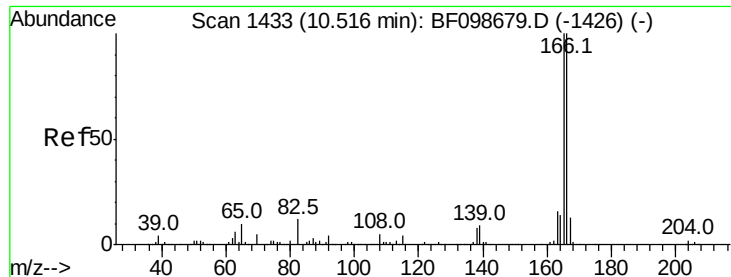
Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Tgt Ion:	168	Resp:	28354
Ion Ratio	Lower	Upper	
168	100		
139	39.6	30.1	45.1
169	14.8	10.9	16.3

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





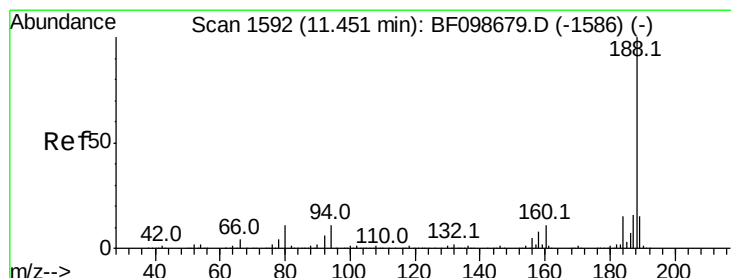
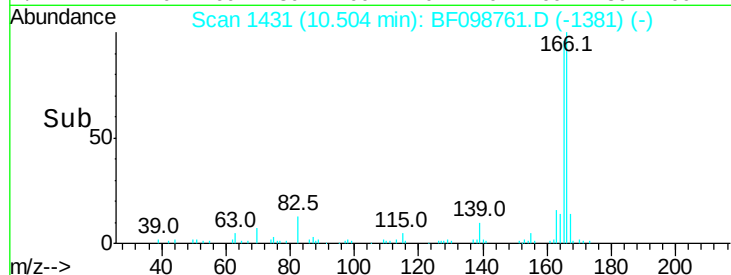
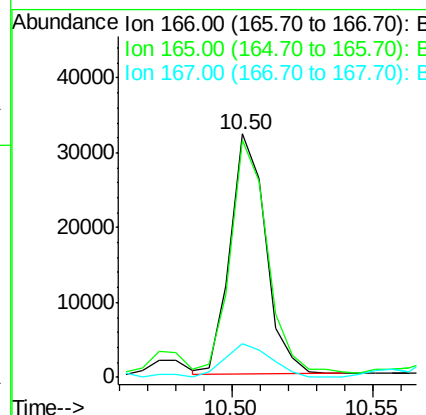
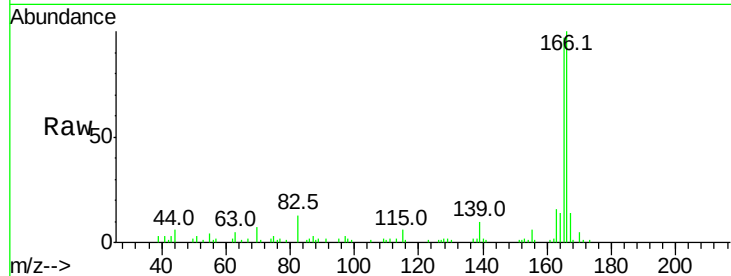
#57
 Fluorene
 Concen: 2.492 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF098761.D
 Acq: 24 Sep 2017 1:43

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

Tot Ion	Ratio	Resp	Lower	Upper
166	100	28113		
165	97.3	79.8	119.8	
167	13.7	10.6	16.0	

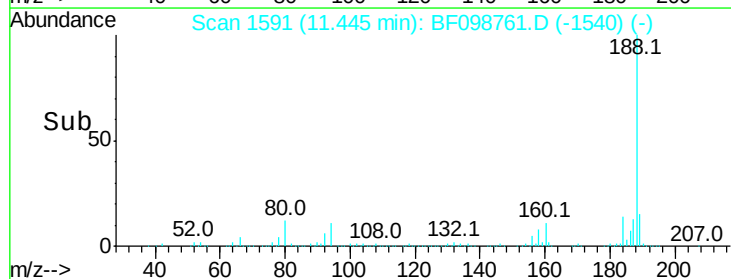
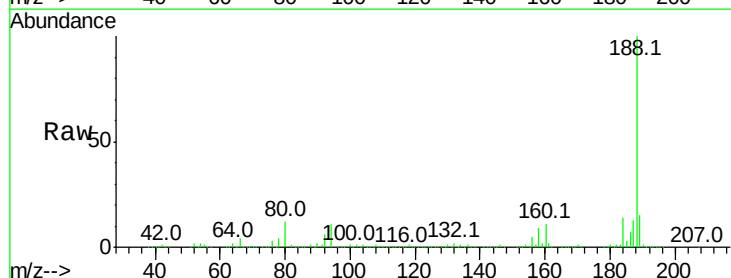
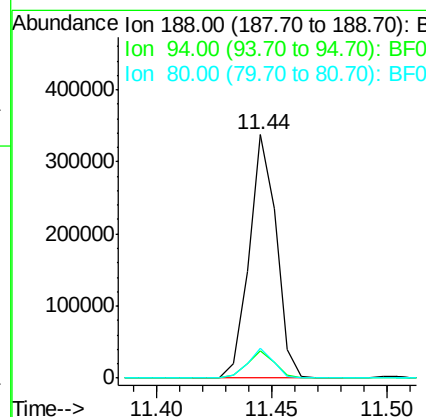
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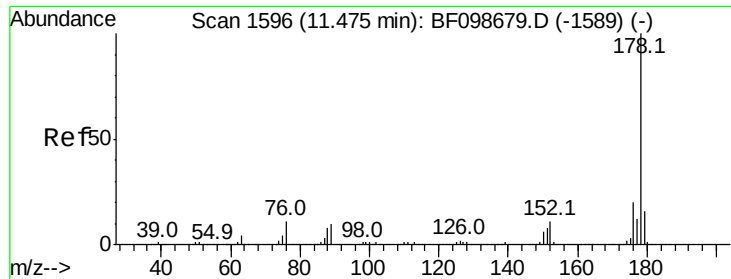
Sohil
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1591
 Delta R.T. -0.00 min
 Lab File: BF098761.D
 Acq: 24 Sep 2017 1:43

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	277054		
94	11.3	8.5	12.7	
80	12.1	9.2	13.8	





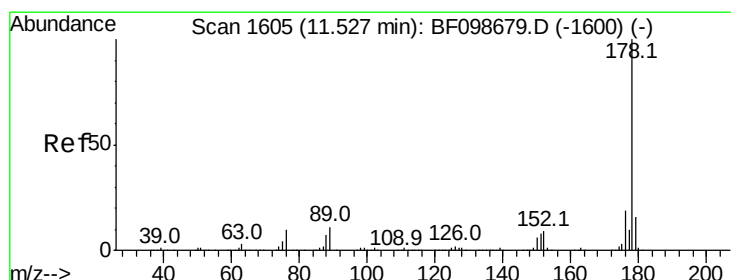
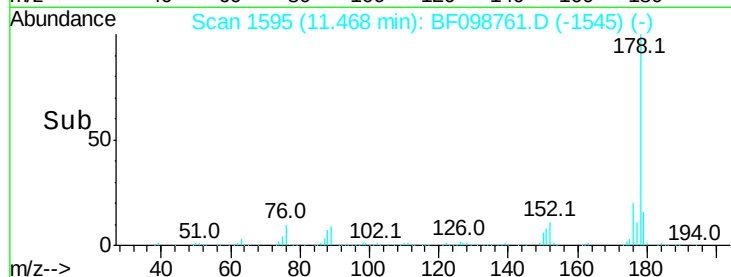
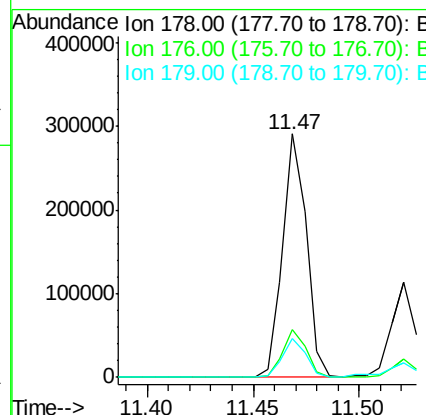
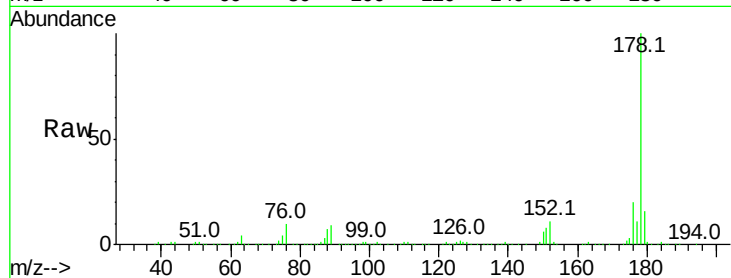
#70
Phenanthrene
Concen: 15.429 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.8	13.0	19.6

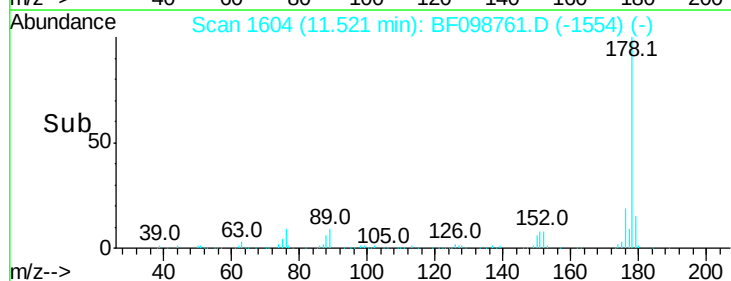
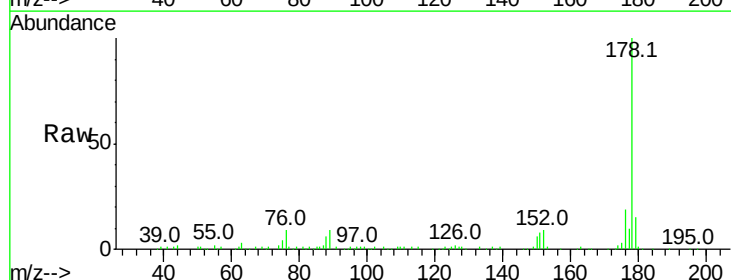
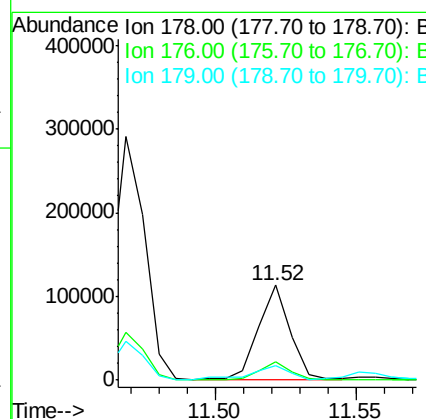
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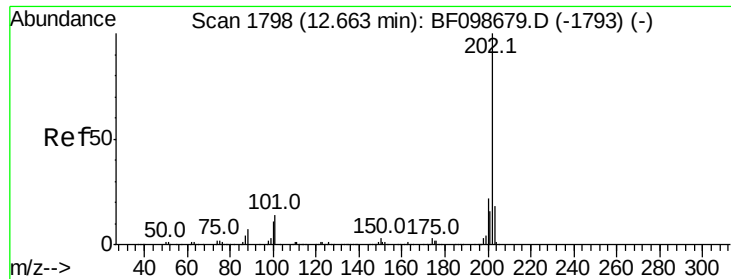
Sohil
9/25/2017 6:26:45 PM



#71
Anthracene
Concen: 5.765 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.2	12.6	19.0





#74

Fluoranthene

Concen: 31.089 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.00 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Instrument :

BNA_F

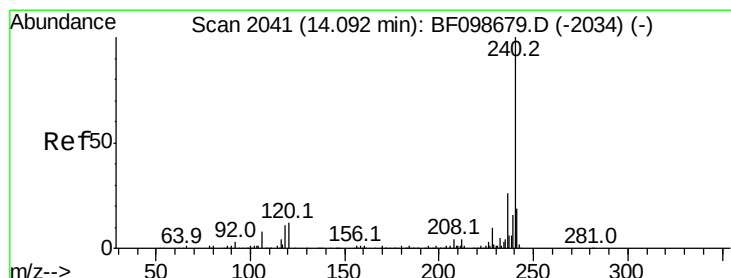
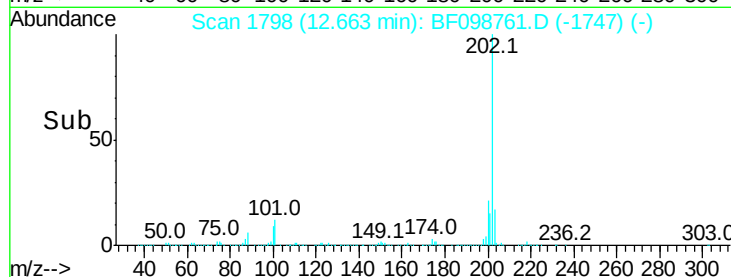
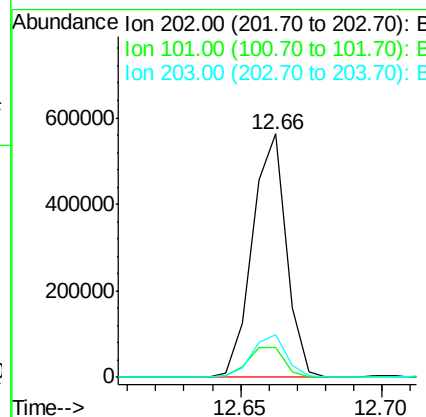
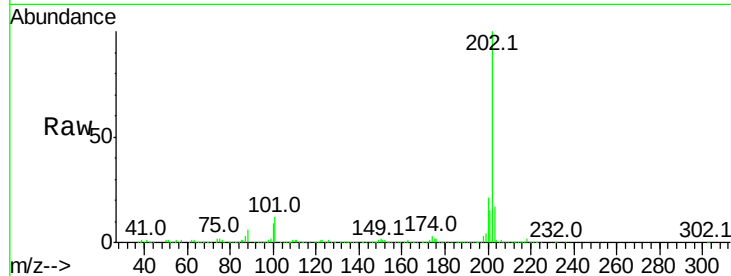
ClientSampleId :

SP-1-F-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.1	0.0	34.1
203	17.4	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

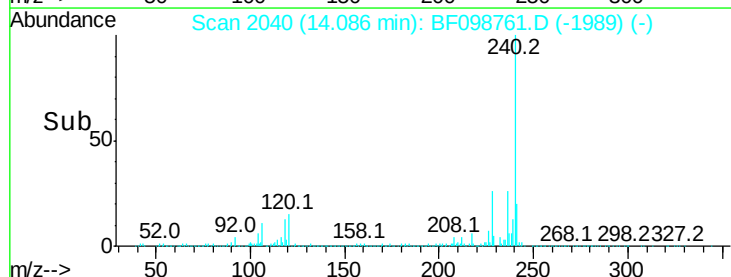
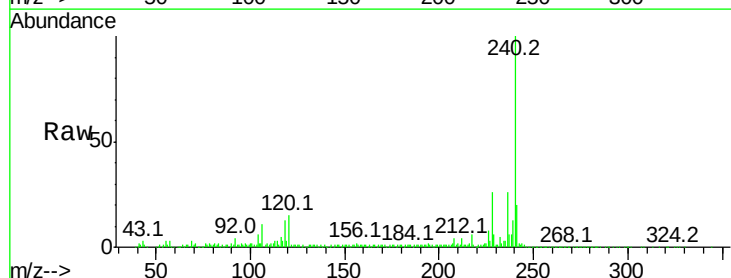
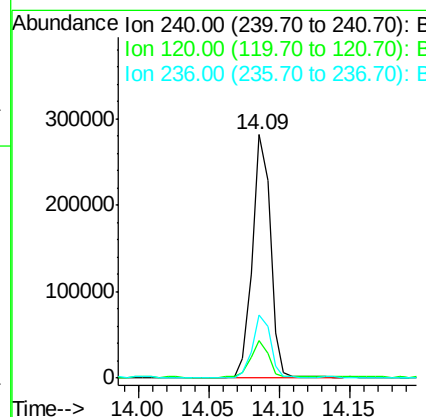
RT: 14.09 min Scan# 2040

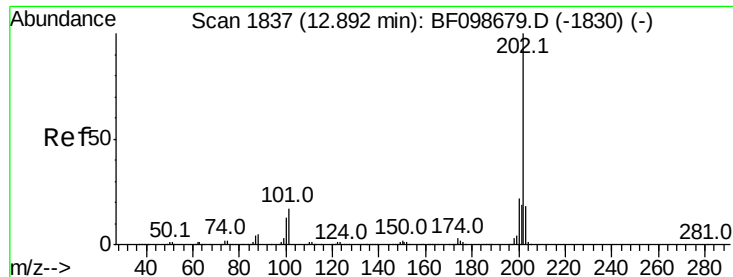
Delta R.T. -0.00 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.2	9.5	14.3#
236	25.8	20.7	31.1





#77

Pvrene

Concen: 24.689 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.00 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Instrument :

BNA_F

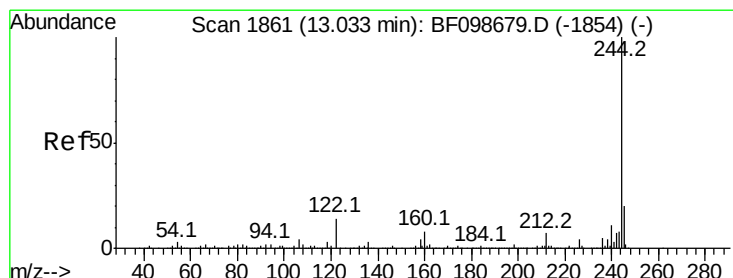
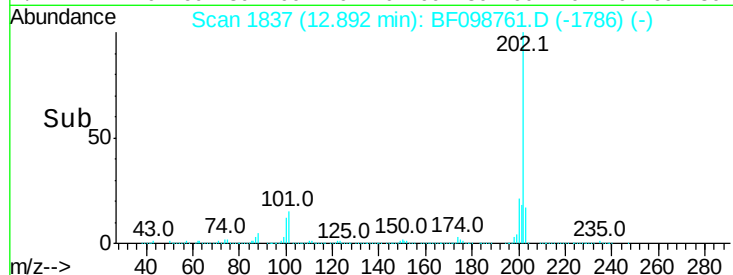
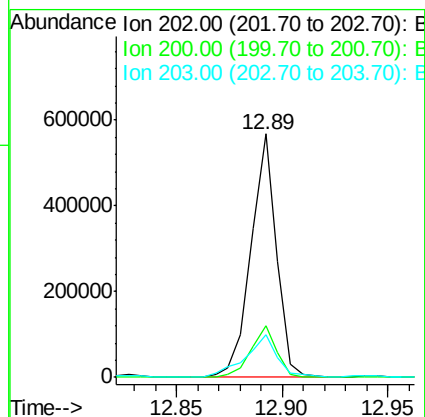
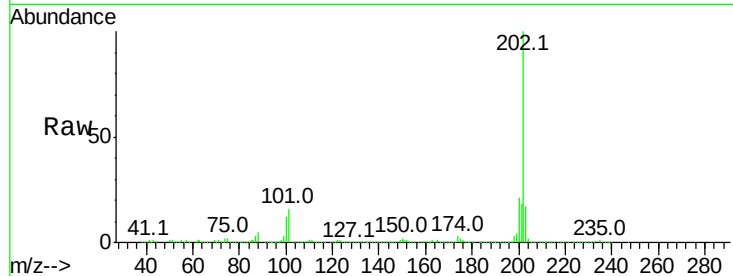
ClientSampleId :

SP-1-F-COMP

Tot Ion:202	Resp:	477478
Ion Ratio	Lower	Upper
202 100		
200 21.1	17.4	26.2
203 17.4	14.3	21.5

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#78

Terphenyl-d14

Concen: 12.655 ng

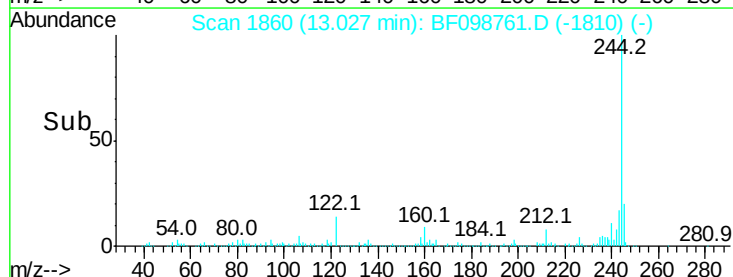
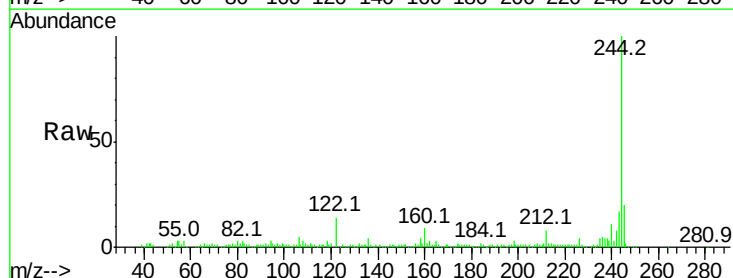
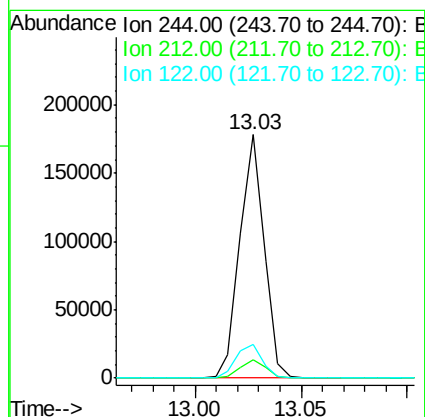
RT: 13.03 min Scan# 1860

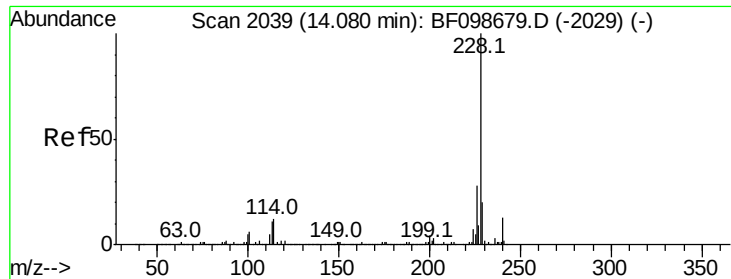
Delta R.T. -0.01 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Tgt Ion:244	Resp:	141131
Ion Ratio	Lower	Upper
244 100		
212 7.7	5.4	8.0
122 14.0	11.0	16.4





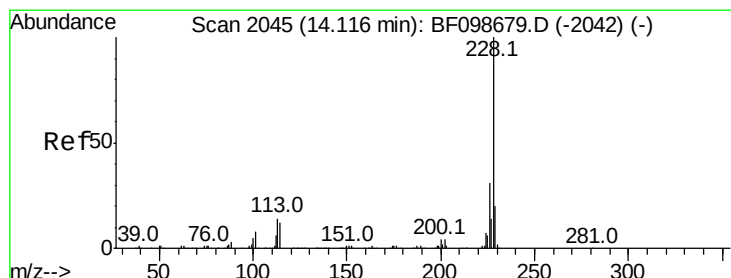
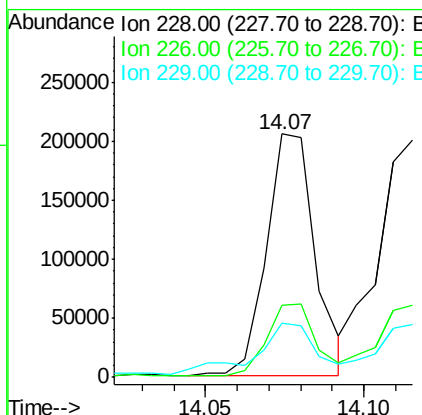
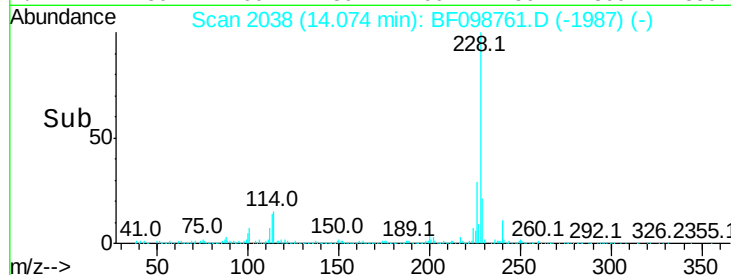
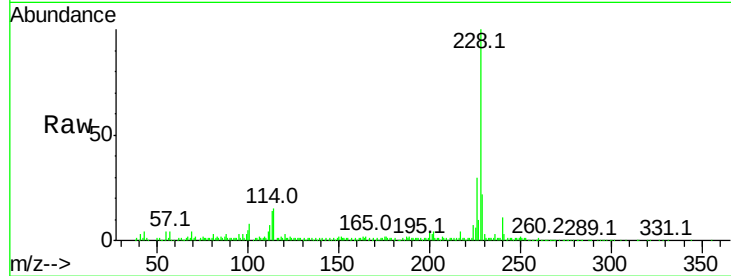
#80
Benzo(a)anthracene
Concen: 14.233 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	33.8
229	22.0	15.8	23.6

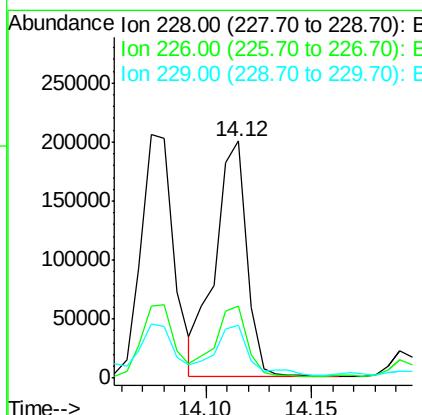
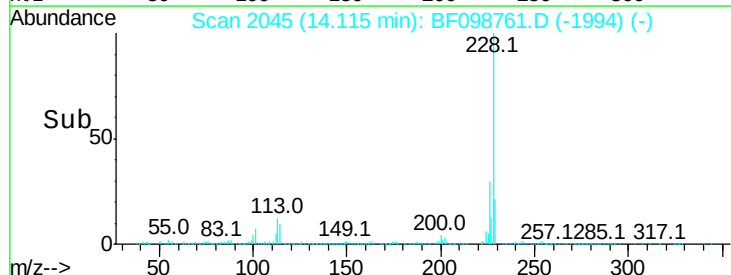
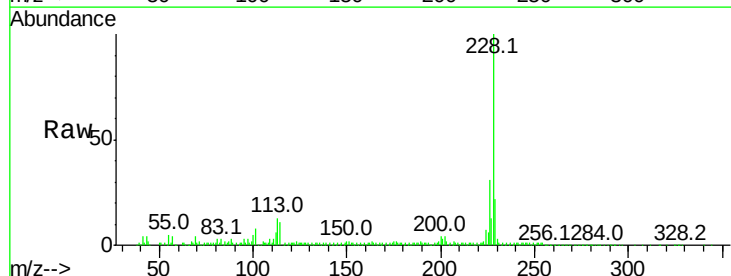
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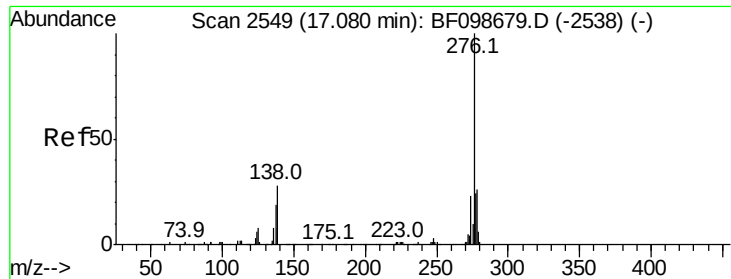
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#82
Chrysene
Concen: 14.161 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.00 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	22.2	16.2	24.4





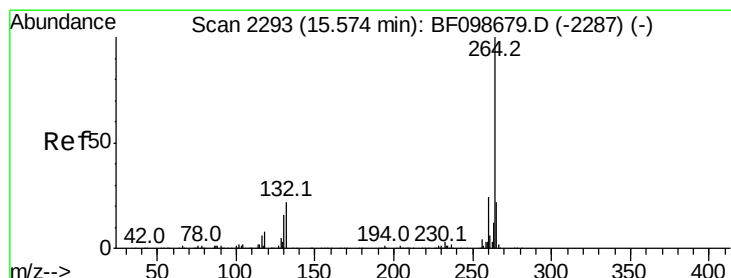
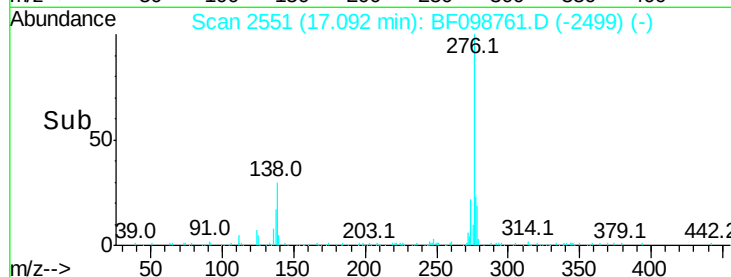
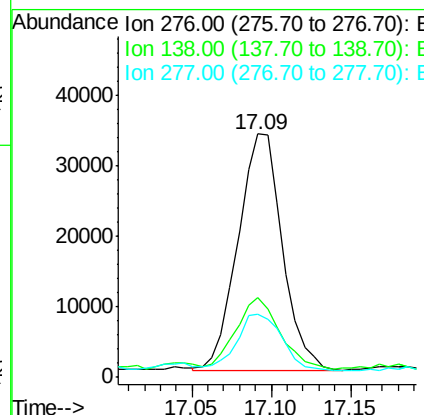
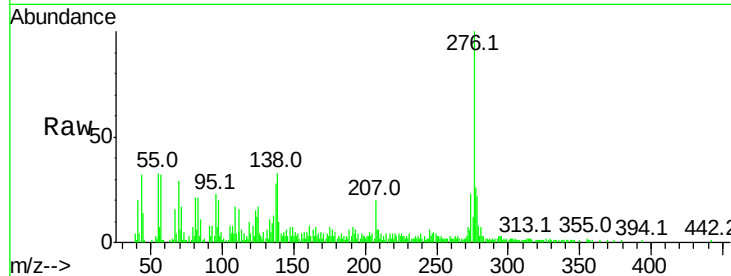
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.604 ng
 RT: 17.09 min Scan# 2551
 Delta R.T. 0.01 min
 Lab File: BF098761.D
 Acq: 24 Sep 2017 1:43

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.5	25.0	37.6
277	24.5	20.1	30.1

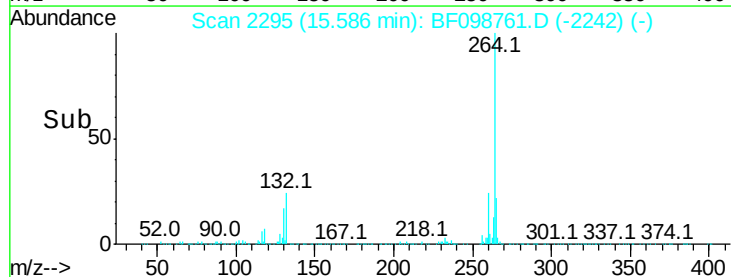
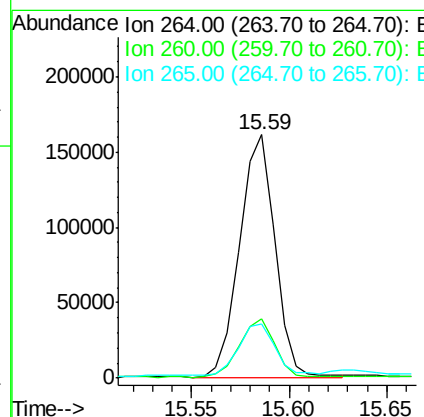
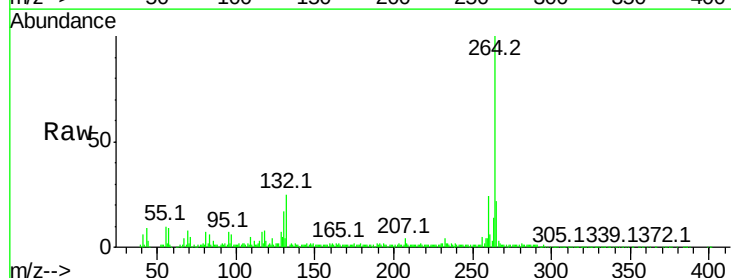
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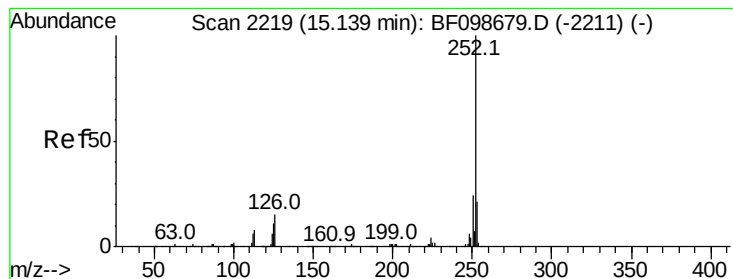
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.59 min Scan# 2295
 Delta R.T. 0.01 min
 Lab File: BF098761.D
 Acq: 24 Sep 2017 1:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.5	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 18.264 ng m

RT: 15.14 min Scan# 2219

Delta R.T. -0.00 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Instrument :

BNA_F

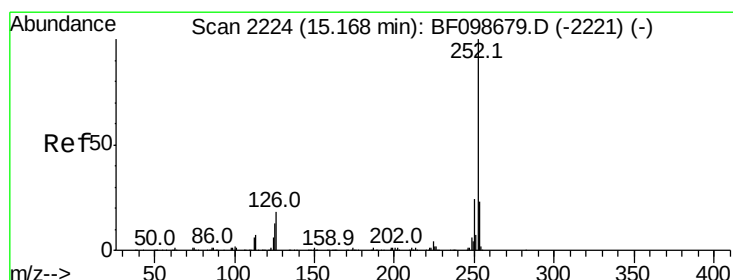
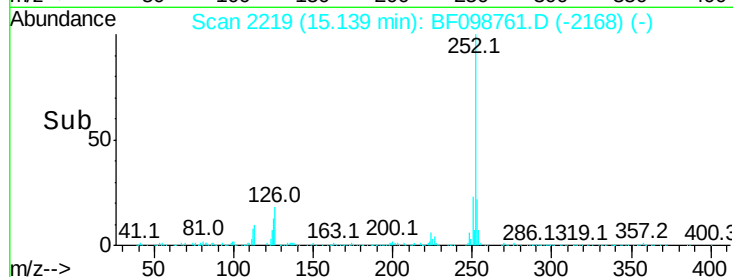
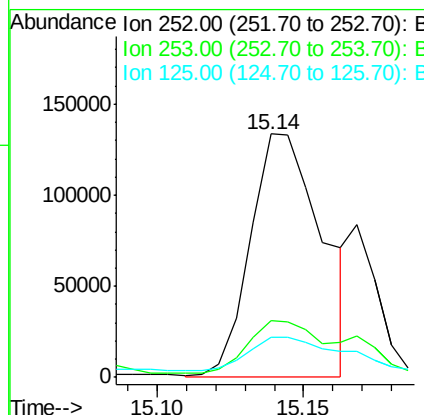
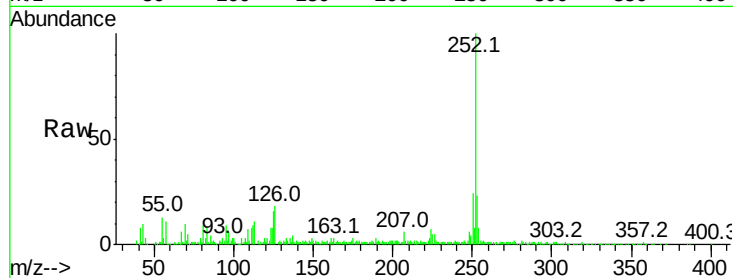
ClientSampleId :

SP-1-F-COMP

Tot Ion:	252	Resp:	226917
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.0	25.6
125	16.5	9.0	13.6#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 4.860 ng m

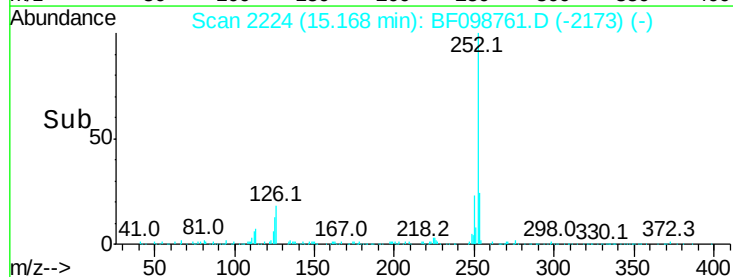
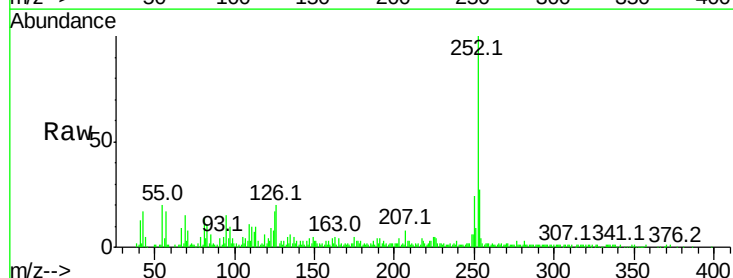
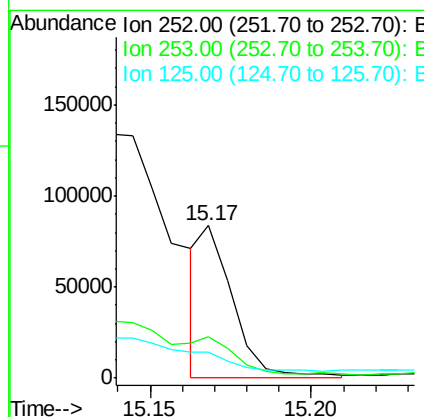
RT: 15.17 min Scan# 2224

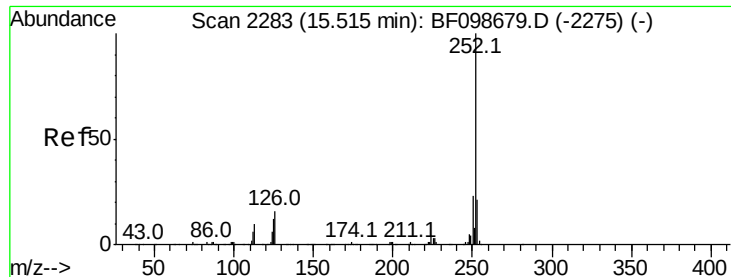
Delta R.T. -0.00 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Tgt Ion:	252	Resp:	59637
Ion Ratio	Lower	Upper	
252	100		
253	27.1	17.9	26.9#
125	16.8	10.2	15.2#





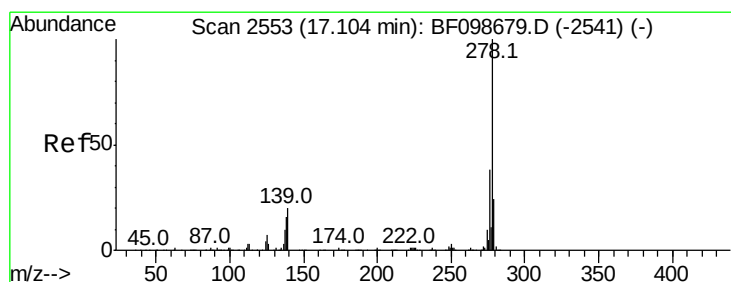
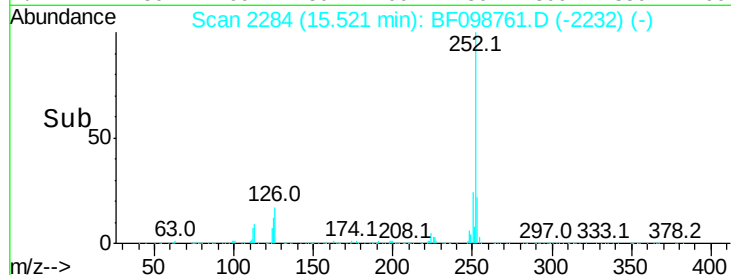
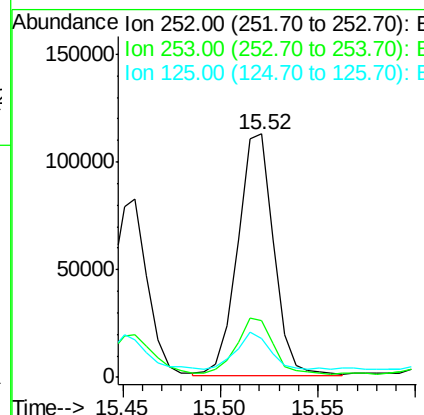
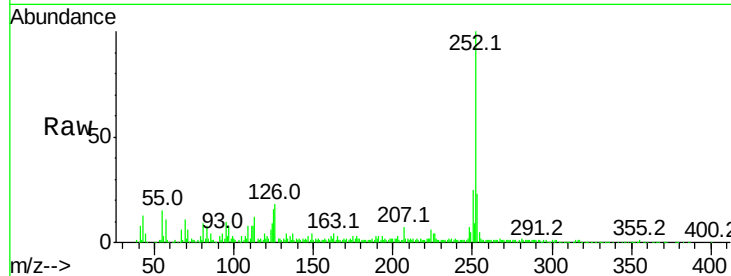
#89
Benzo(a)pyrene
Concen: 12.505 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	15.9	9.8	14.6

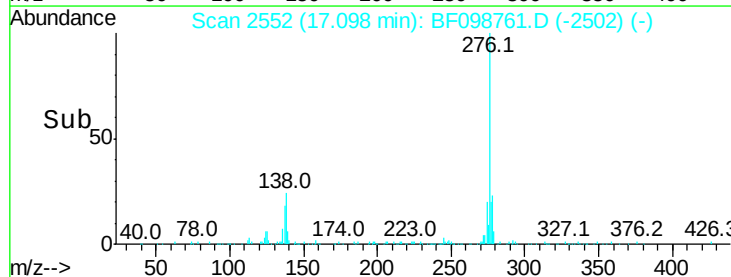
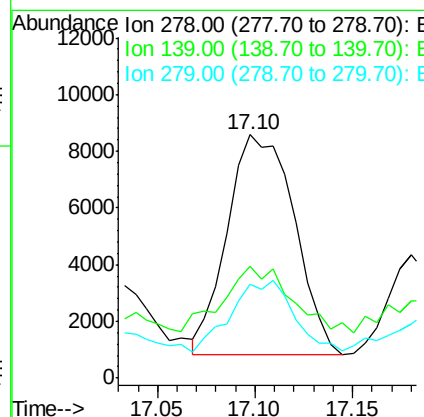
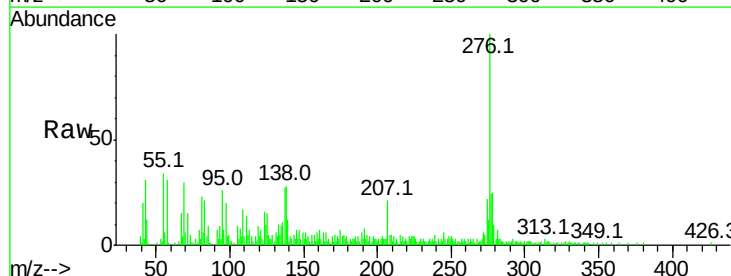
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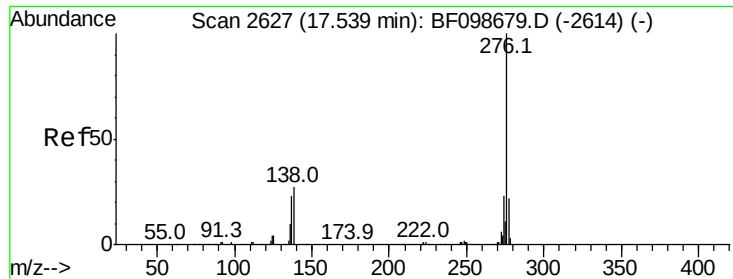
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#90
Dibenzo(a,h)anthracene
Concen: 2.010 ng
RT: 17.10 min Scan# 2552
Delta R.T. -0.01 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

Tgt Ion	Ratio	Lower	Upper
278	100		
139	46.1	15.9	23.9
279	38.6	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 7.203 ng
 RT: 17.55 min Scan# 2629
 Delta R.T. 0.01 min
 Lab File: BF098761.D
 Acq: 24 Sep 2017 1:43

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	30.7	21.8	32.8

Manual Integrations
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