

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
 Data File : BF098801.D
 Acq On : 25 Sep 2017 23:55
 Operator : SJ/JU
 Sample : I5360-15 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Sep 26 07:56:01 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	6.91	152	167472	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	737902	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	329588	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	554249	20.00	ng	0.00
75) Chrysene-d12	14.07	240	325112	20.00	ng	-0.01
86) Perylene-d12	15.57	264	307263	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	135825	12.91	ng	-0.02
7) Phenol-d6	6.52	99	170700	13.15	ng	-0.02
23) Nitrobenzene-d5	7.47	82	96631	8.40	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	33311	12.35	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	210846	10.68	ng	-0.02
78) Terphenyl-d14	13.02	244	160112	11.20	ng	-0.02
Target Compounds				Qvalue		
31) Naphthalene	8.22	128	156892	4.527	ng	99
37) 2-Methylnaphthalene	8.90	142	84700	3.760	ng	98
51) Acenaphthene	9.98	154	54290	2.632	ng	98
54) Dibenzofuran	10.15	168	66286	2.414	ng	97
57) Fluorene	10.50	166	88653	4.017	ng	99
70) Phenanthrene	11.46	178	603726	20.350	ng	98
71) Anthracene	11.51	178	167263	5.510	ng	99
74) Fluoranthene	12.65	202	644700	21.460	ng	99
77) Pyrene	12.88	202	585563	23.620	ng	100
80) Benzo(a)anthracene	14.06	228	209407	10.637	ng	98
82) Chrysene	14.10	228	196629	10.491	ng	98
85) Indeno(1,2,3-cd)pyrene	17.07	276	91855	6.127	ng	98
87) Benzo(b)fluoranthene	15.13	252	224661m	11.892	ng	
88) Benzo(k)fluoranthene	15.15	252	67003m	3.591	ng	
89) Benzo(a)pyrene	15.50	252	160288	9.243	ng	# 95
91) Benzo(g,h,i)perylene	17.52	276	87150	6.353	ng	# 90

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

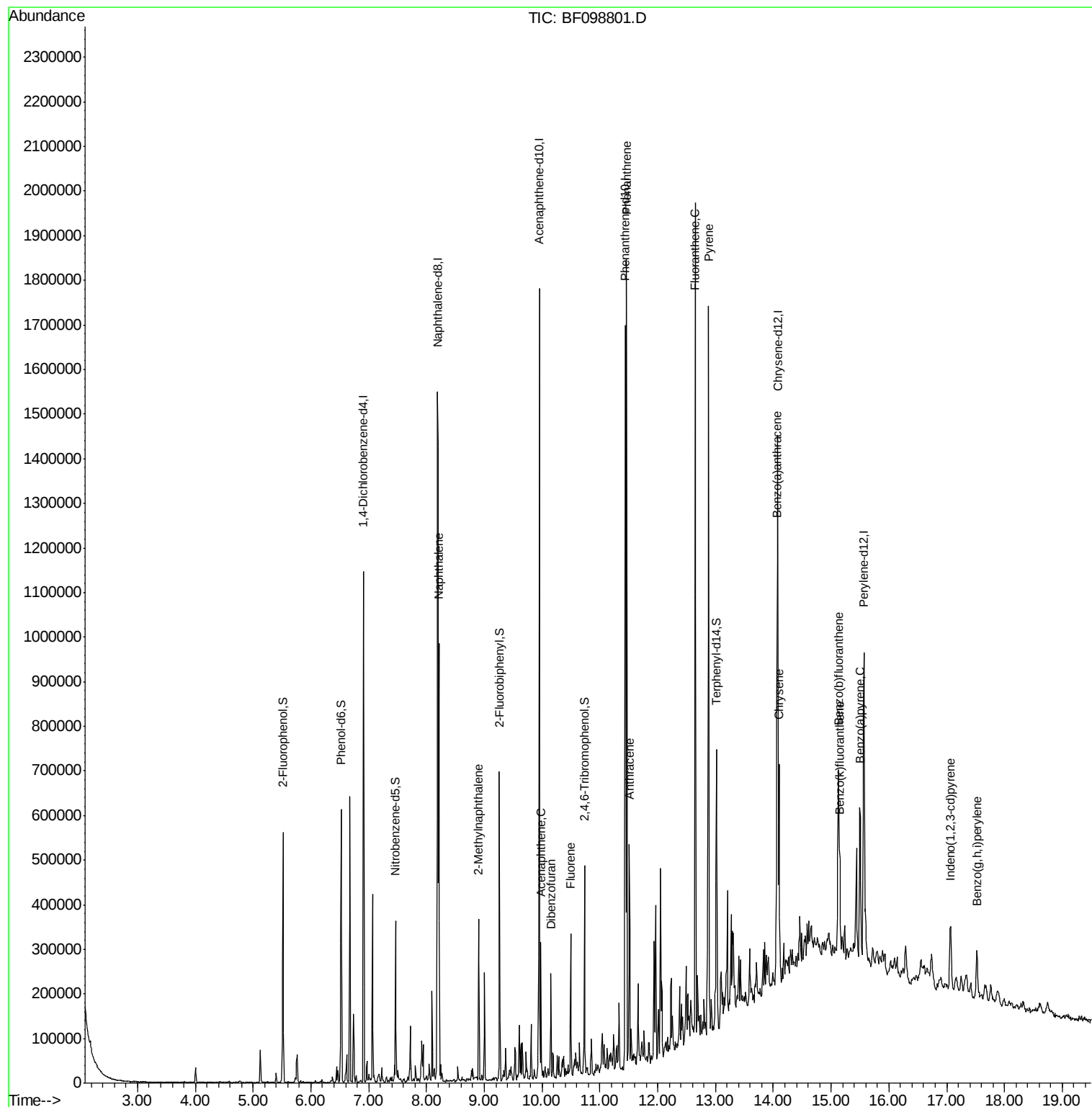
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
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ALS Vial : 17 Sample Multiplier: 1

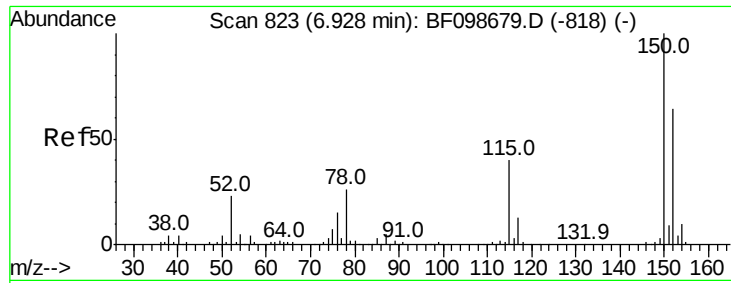
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

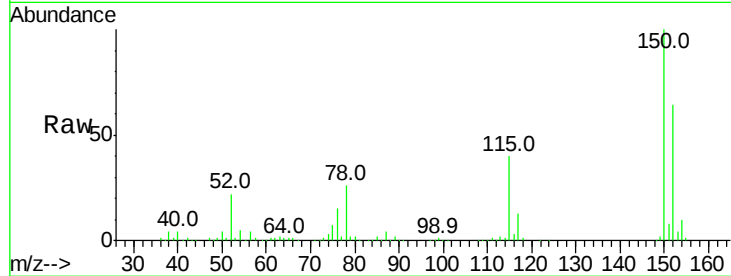
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF098801.D
Acq: 25 Sep 2017 23:55

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

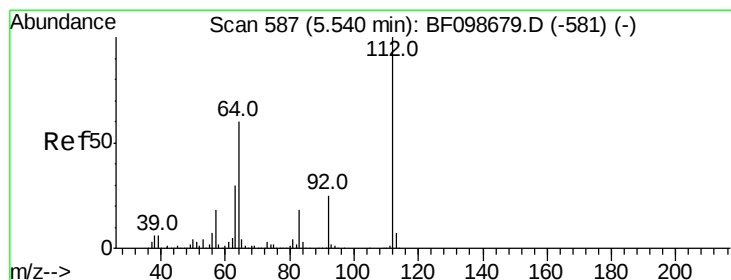
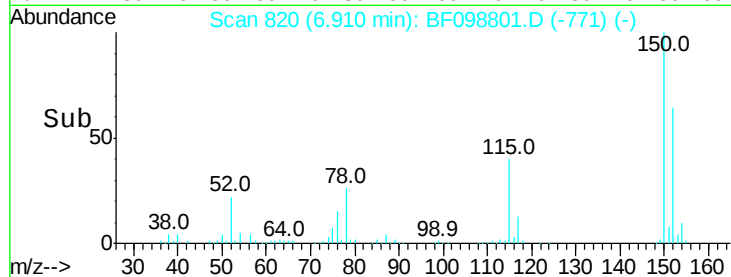
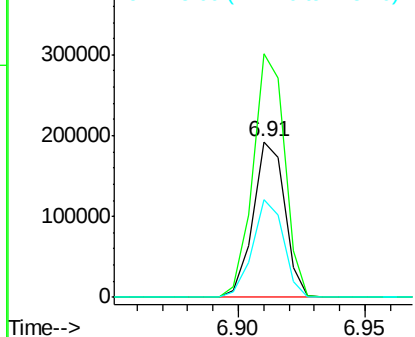
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	62.9	50.1	75.1

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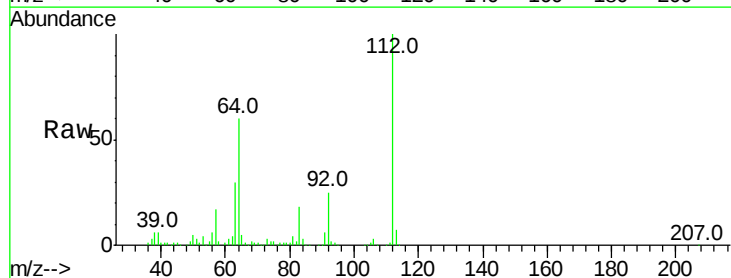
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



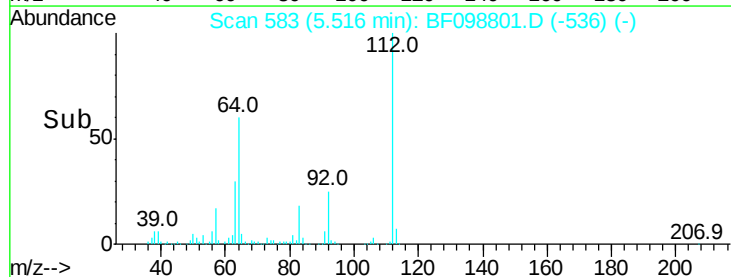
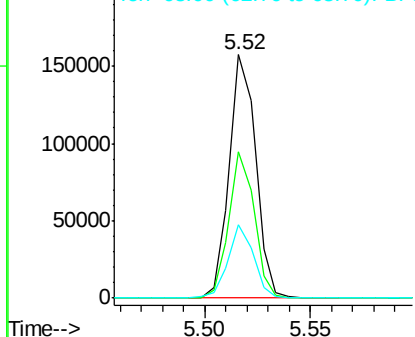
#5

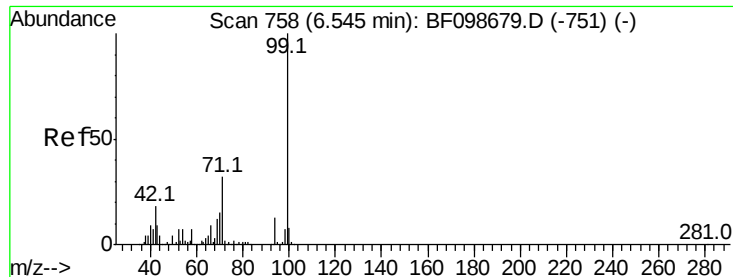
2-Fluorophenol
Concen: 12.911 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.02 min
Lab File: BF098801.D
Acq: 25 Sep 2017 23:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	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: 13.153 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.02 min

Lab File: BF098801.D

Acq: 25 Sep 2017 23:55

Instrument :

BNA_F

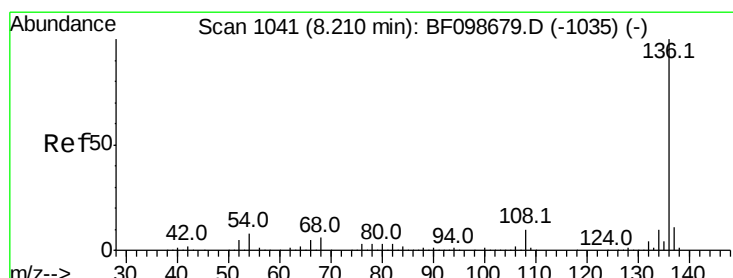
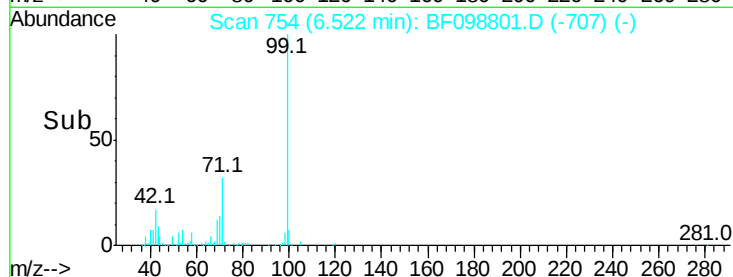
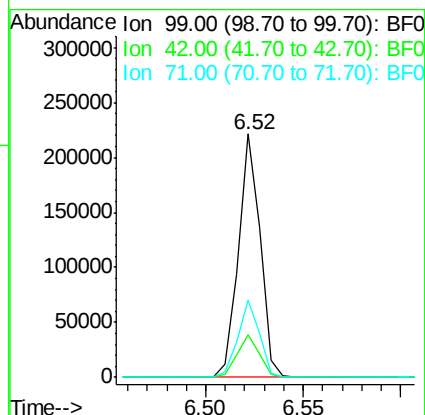
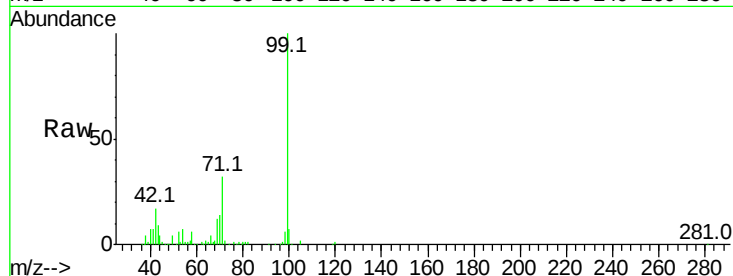
ClientSampleId :

SP-1-H-COMP

Tot Ion:	99	Resp:	170700
Ion Ratio	Lower	Upper	
99	100		
42	17.4	14.5	21.7
71	31.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

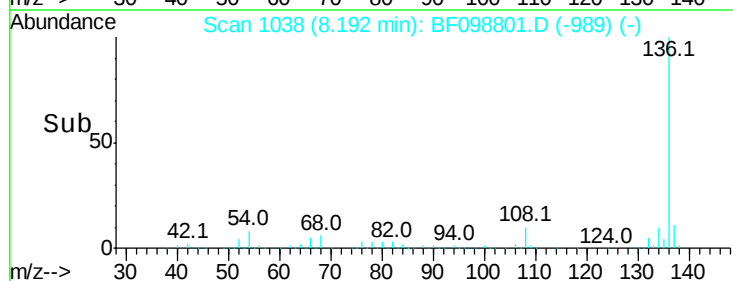
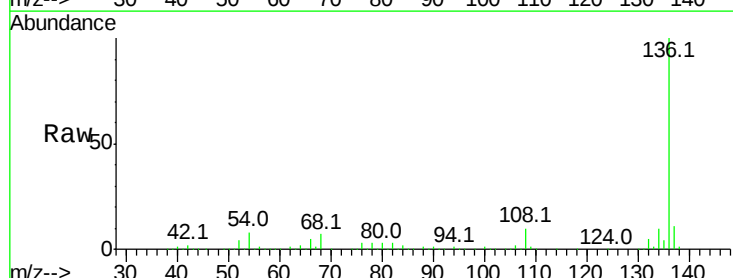
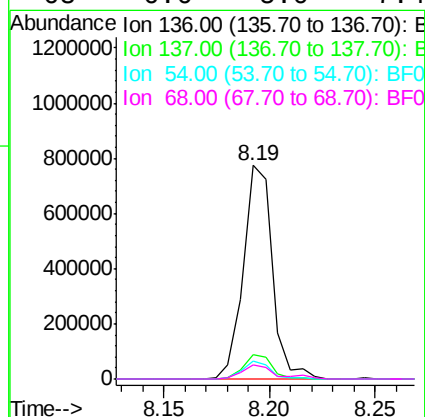
RT: 8.19 min Scan# 1038

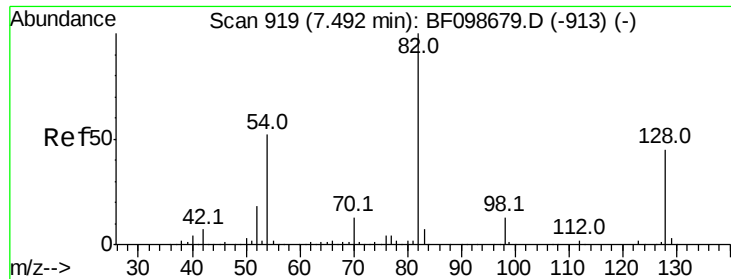
Delta R.T. -0.01 min

Lab File: BF098801.D

Acq: 25 Sep 2017 23:55

Tgt Ion:	136	Resp:	737902
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	8.4	6.6	9.8
68	6.6	5.0	7.4





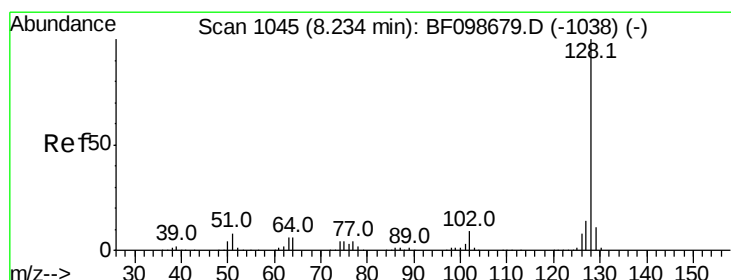
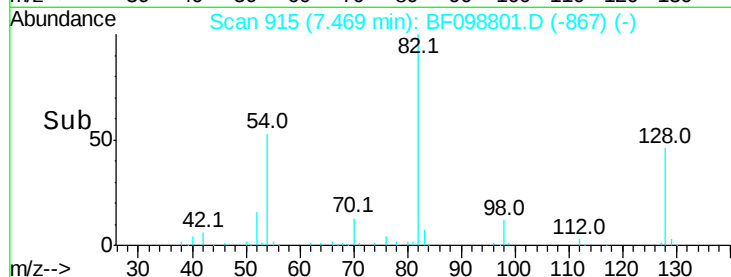
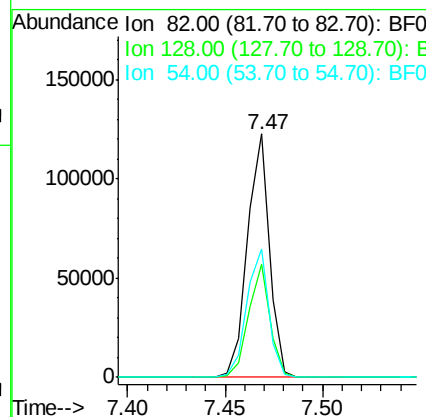
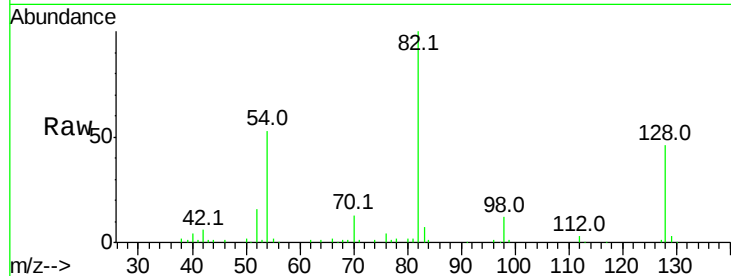
#23
 Nitrobenzene-d5
 Concen: 8.398 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.02 min
 Lab File: BF098801.D
 Acq: 25 Sep 2017 23:55

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.1	54.1
54	52.9	41.4	62.2

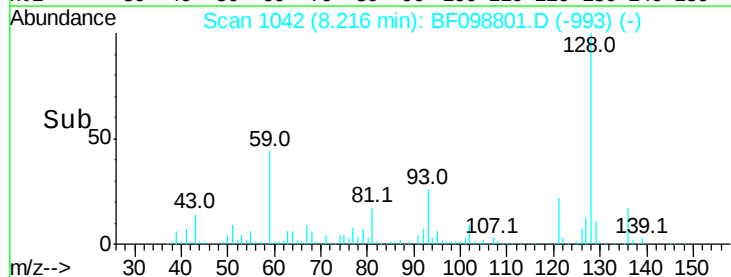
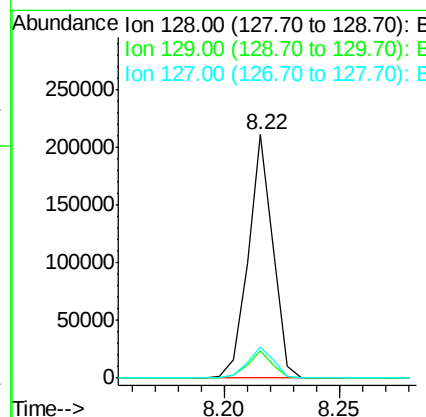
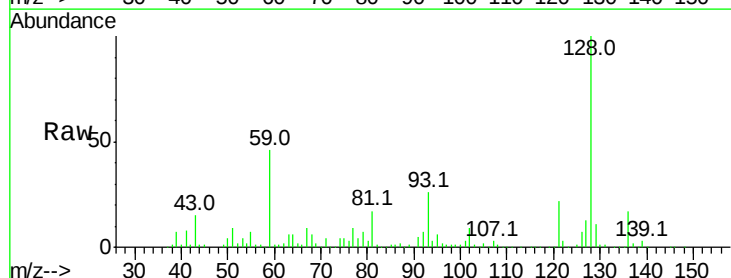
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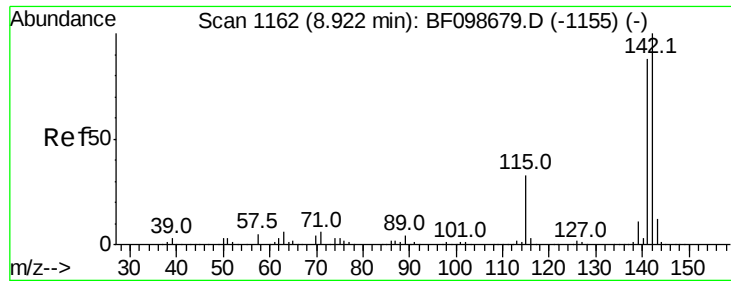
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#31
 Naphthalene
 Concen: 4.527 ng
 RT: 8.22 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: BF098801.D
 Acq: 25 Sep 2017 23:55

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.0	10.9	16.3





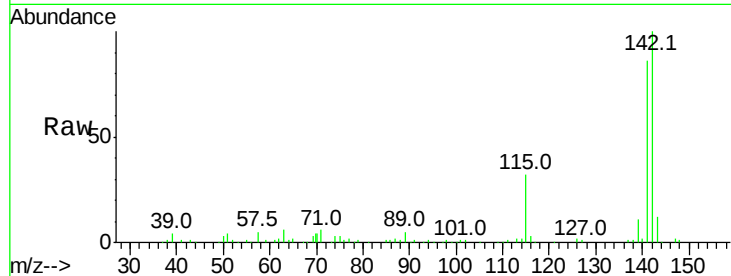
#37
2-Methylnaphthalene
Concen: 3.760 ng
RT: 8.90 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BF098801.D
Acq: 25 Sep 2017 23:55

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

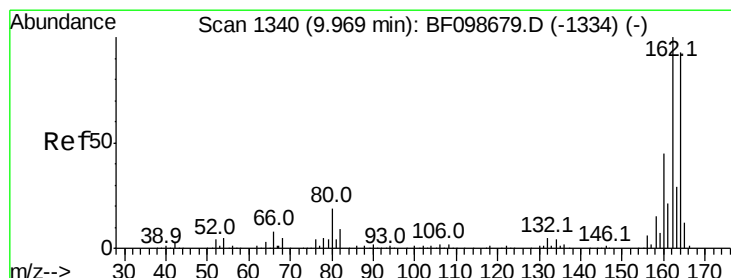
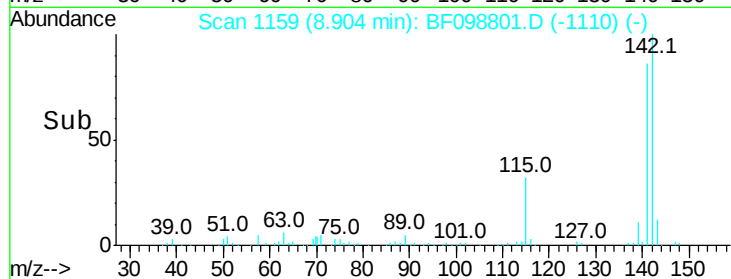
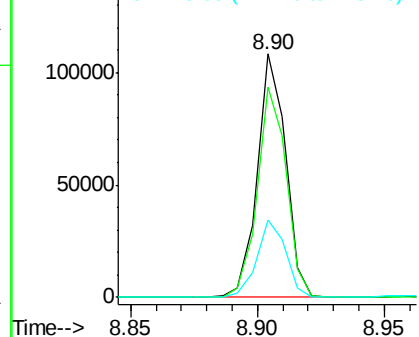
Tot Ion	Ratio	Lower	Upper
142	100		
141	86.4	70.8	106.2
115	31.9	26.1	39.1

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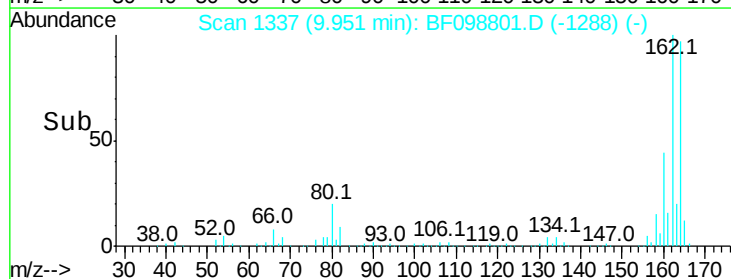
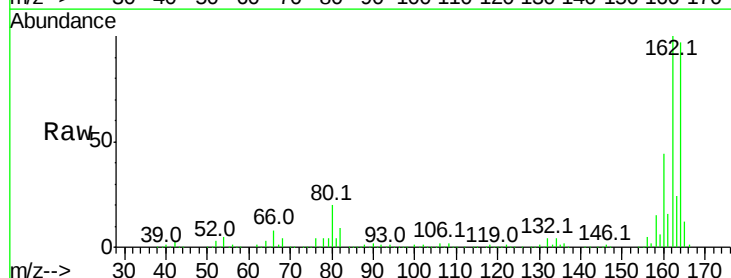
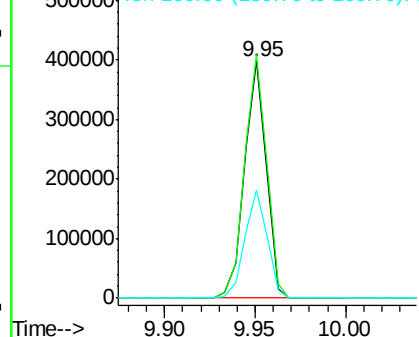
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

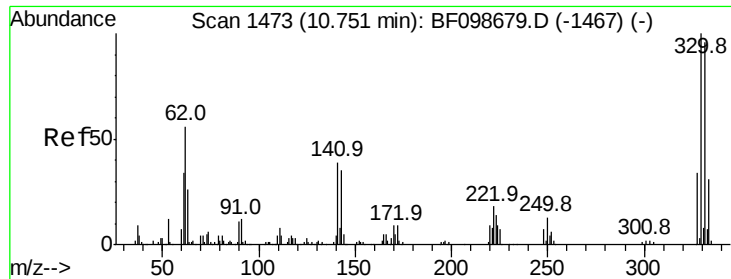


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098801.D
Acq: 25 Sep 2017 23:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	86.1	129.1
160	45.4	38.3	57.5

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





#41

2,4,6-Tribromophenol

Concen: 12.351 ng

RT: 10.73 min Scan# 1470

Delta R.T. -0.02 min

Lab File: BF098801.D

Acq: 25 Sep 2017 23:55

Instrument :

BNA_F

ClientSampled :

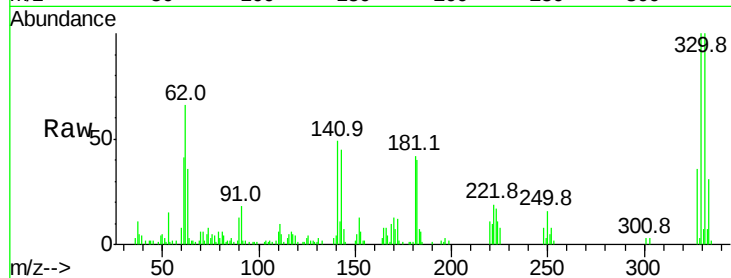
SP-1-H-COMP

Tot Ion:	330	Resp:	33311
Ion Ratio	Lower	Upper	
330	100		
332	99.2	77.0	115.6
141	51.8	29.9	44.9#

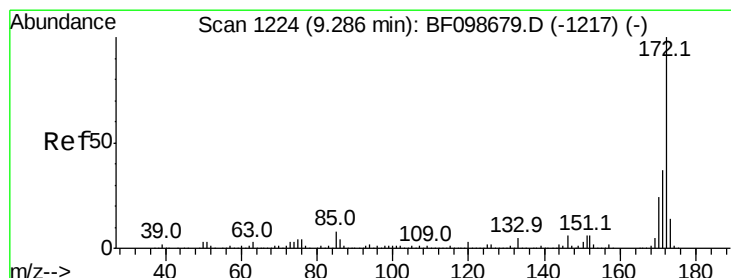
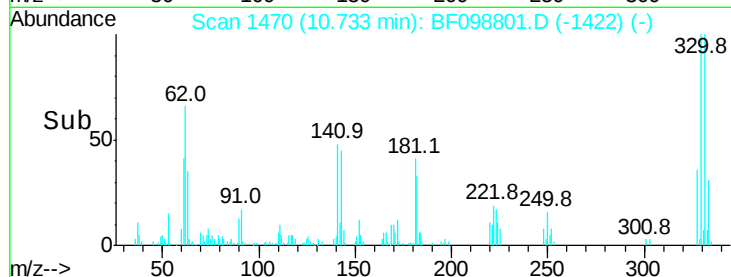
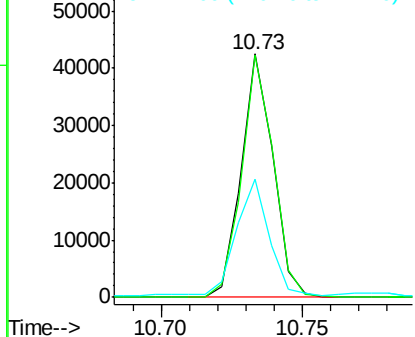
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 10.680 ng

RT: 9.26 min Scan# 1220

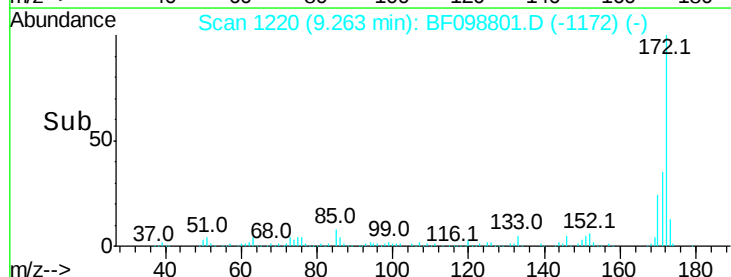
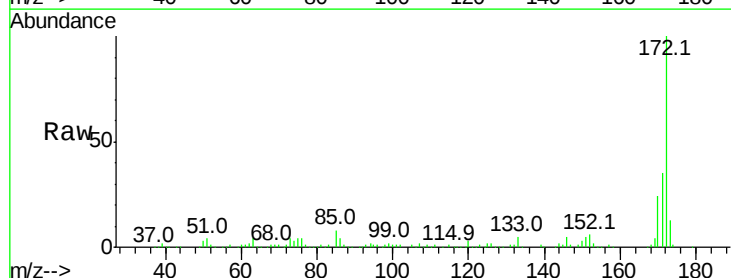
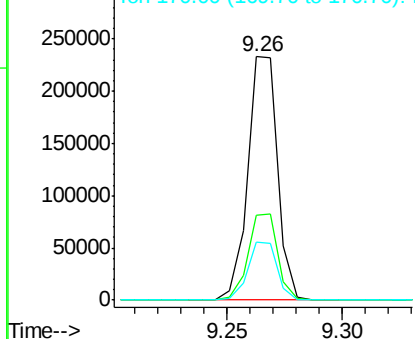
Delta R.T. -0.02 min

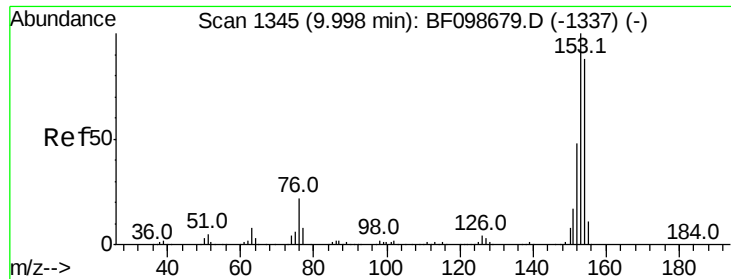
Lab File: BF098801.D

Acq: 25 Sep 2017 23:55

Tgt Ion:	172	Resp:	210846
Ion Ratio	Lower	Upper	
172	100		
171	34.9	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: 2.632 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.02 min

Lab File: BF098801.D

Acq: 25 Sep 2017 23:55

Instrument :

BNA_F

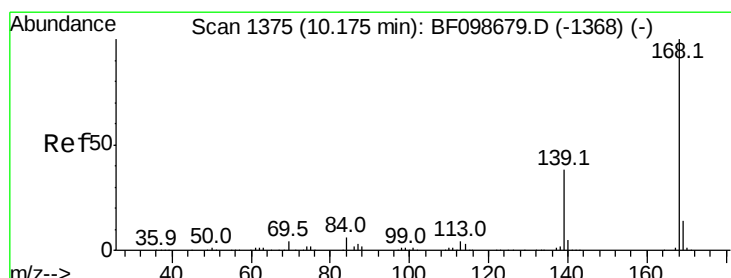
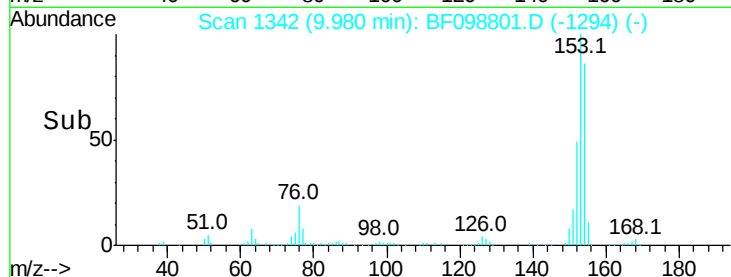
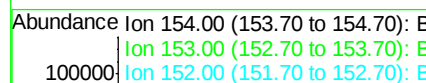
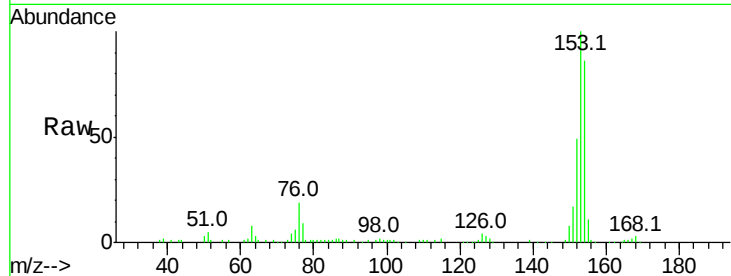
ClientSampled :

SP-1-H-COMP

Tot Ion:	154	Resp:	54290
Ion Ratio	Lower	Upper	
154	100		
153	115.9	91.2	136.8
152	57.3	43.8	65.8

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#54

Dibenzofuran

Concen: 2.414 ng

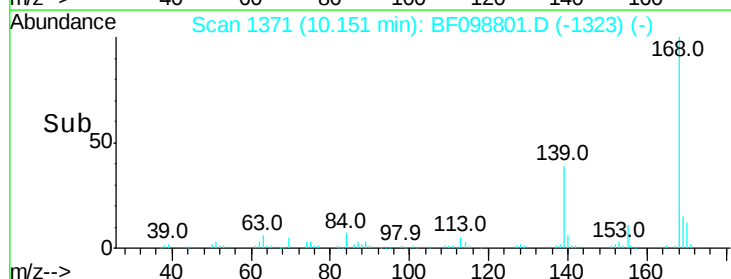
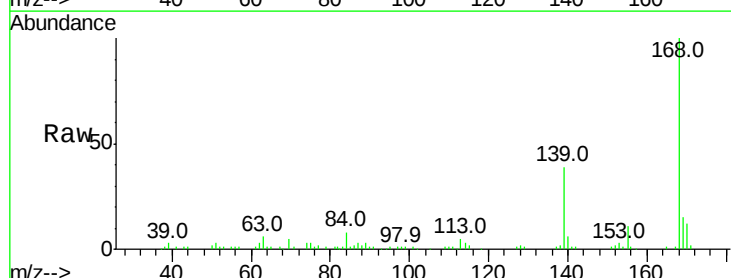
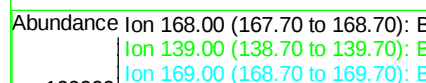
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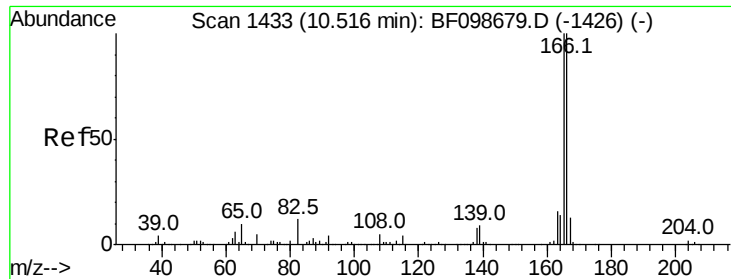
Delta R.T. -0.02 min

Lab File: BF098801.D

Acq: 25 Sep 2017 23:55

Tgt Ion:	168	Resp:	66286
Ion Ratio	Lower	Upper	
168	100		
139	39.0	30.1	45.1
169	15.0	10.9	16.3





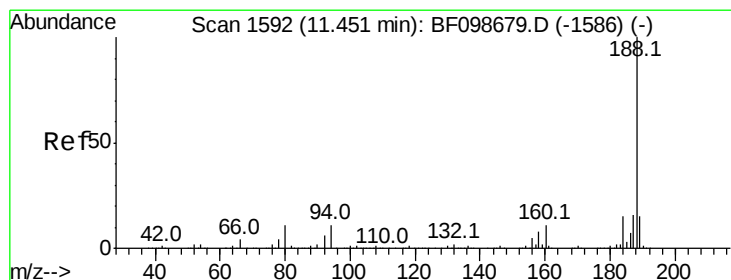
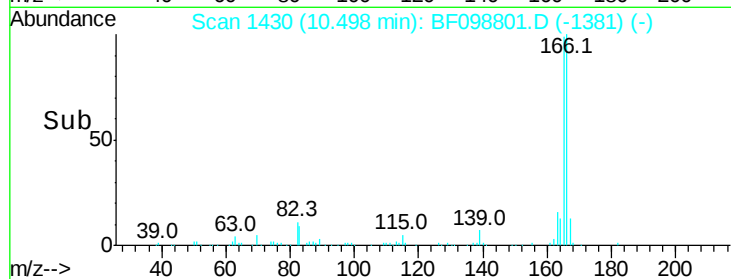
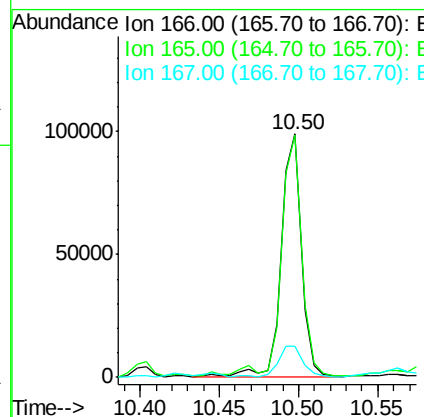
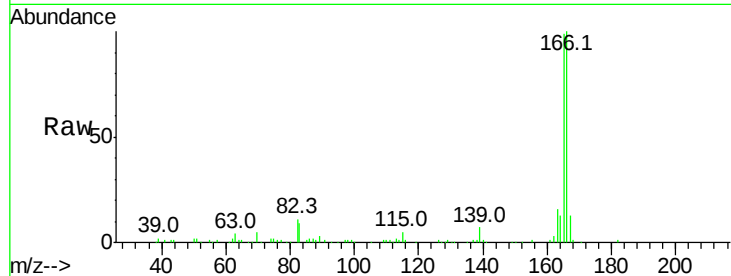
#57
 Fluorene
 Concen: 4.017 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.01 min
 Lab File: BF098801.D
 Acq: 25 Sep 2017 23:55

Instrument :
 BNA_F
 Client Sampled :
 SP-1-H-COMP

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.4	79.8	119.8	
167	12.8	10.6	16.0	

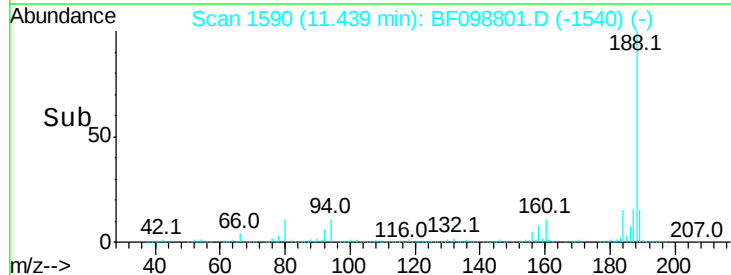
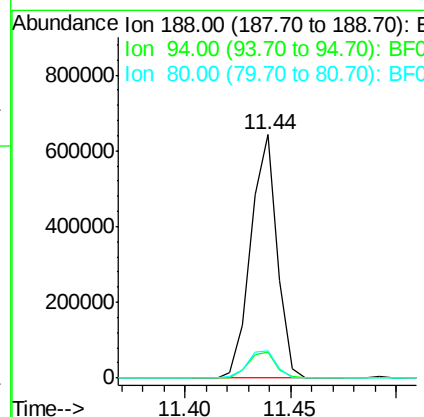
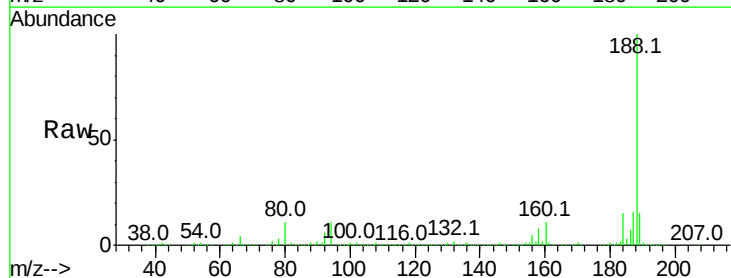
Manual Integrations
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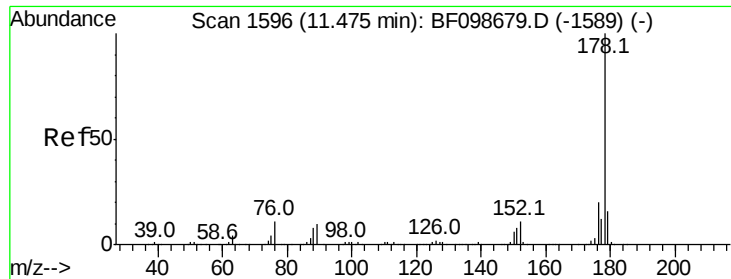
Sohil
 9/26/2017 4:58:45 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098801.D
 Acq: 25 Sep 2017 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.6	8.5	12.7	
80	11.1	9.2	13.8	





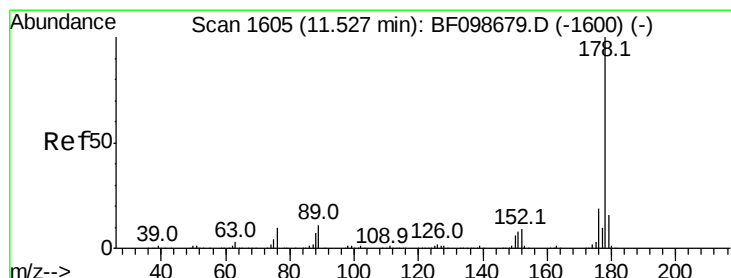
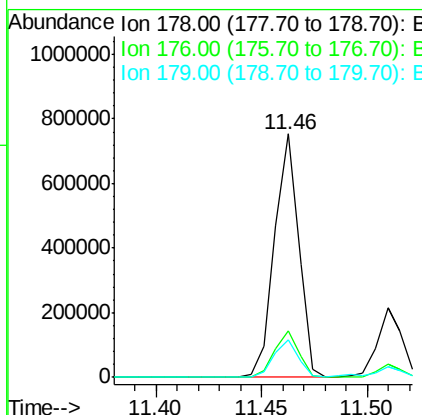
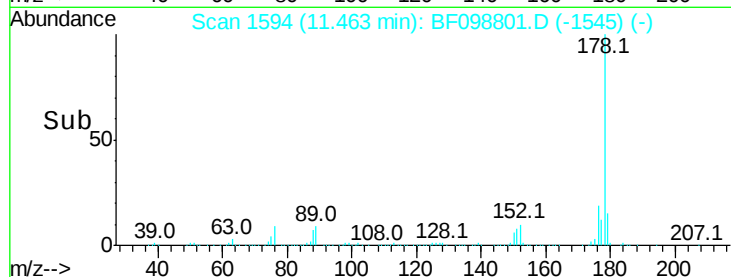
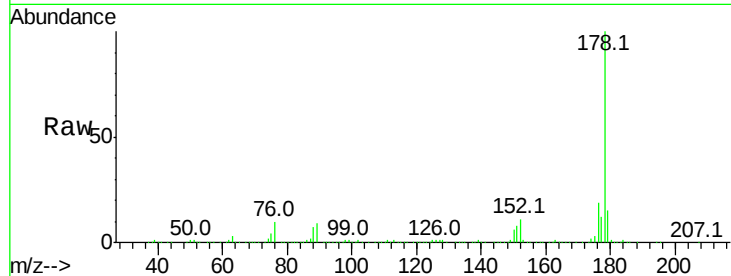
#70
Phenanthrene
Concen: 20.350 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098801.D
Acq: 25 Sep 2017 23:55

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.4	13.0	19.6

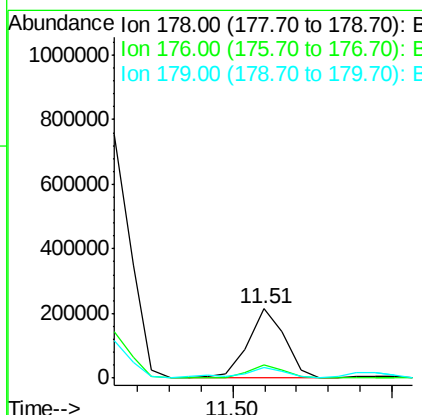
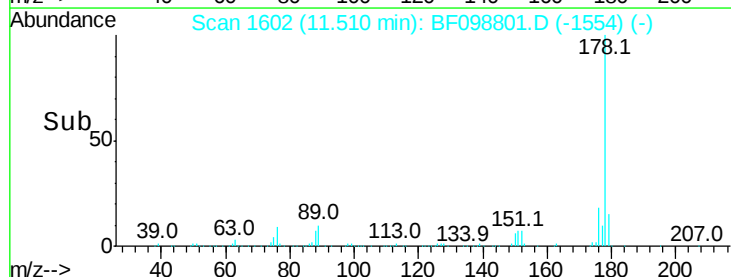
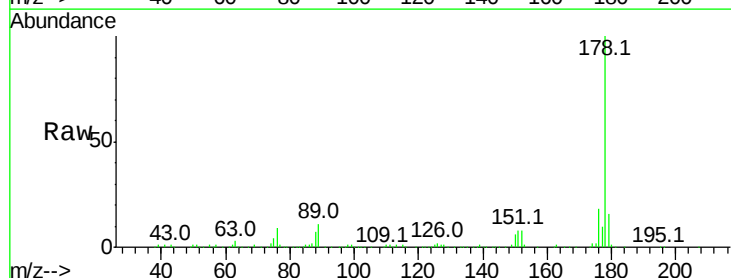
Manual Integrations
APPROVED

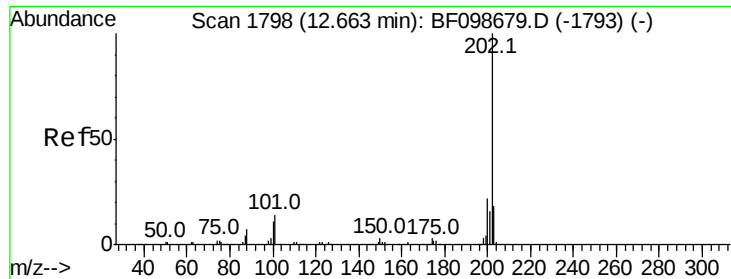
Sohil
9/26/2017 4:58:45 PM



#71
Anthracene
Concen: 5.510 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.02 min
Lab File: BF098801.D
Acq: 25 Sep 2017 23:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.7	12.6	19.0





#74

Fluoranthene

Concen: 21.460 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098801.D

Acq: 25 Sep 2017 23:55

Instrument :

BNA_F

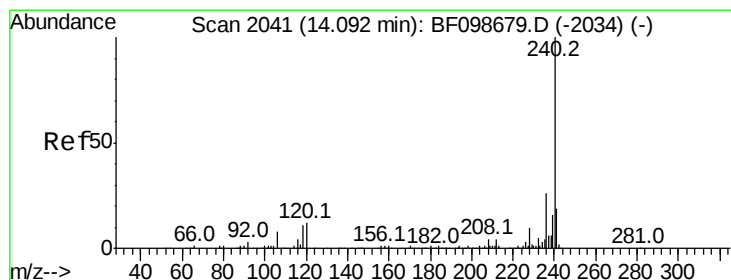
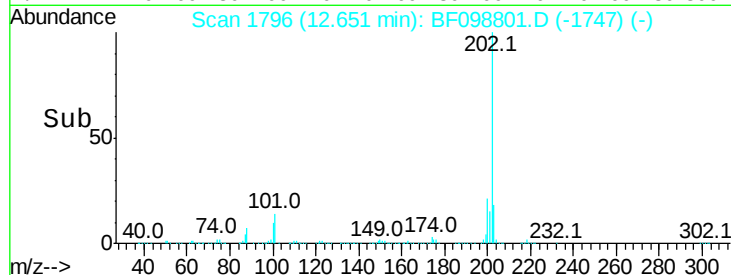
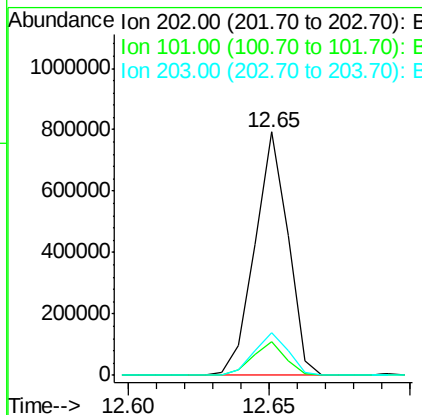
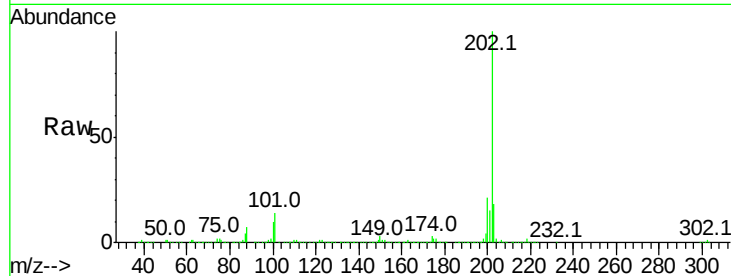
ClientSampled :

SP-1-H-COMP

Tot Ion:	202	Resp:	644700
Ion Ratio	Lower	Upper	
202	100		
101	14.0	0.0	34.1
203	17.6	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

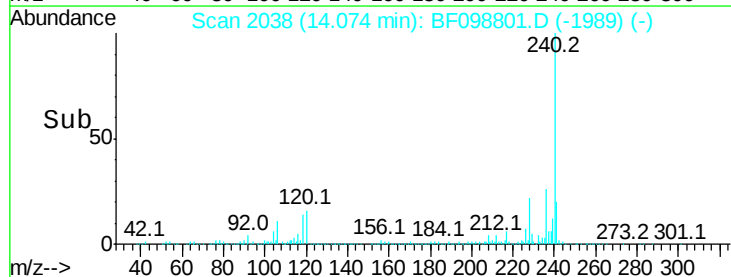
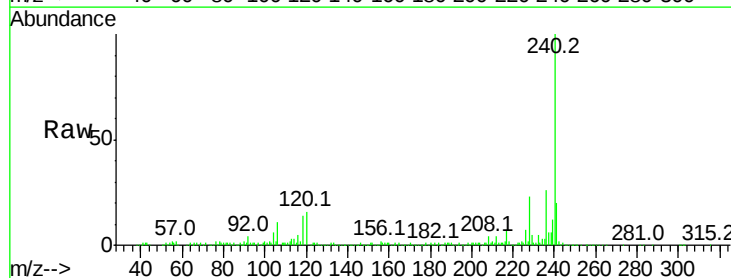
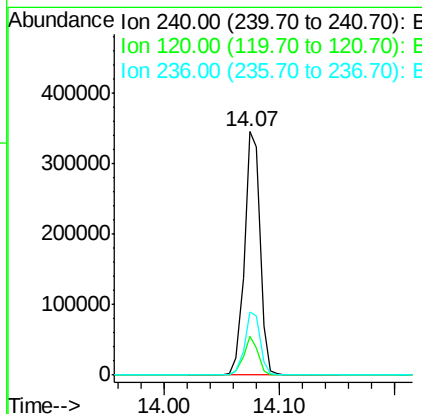
RT: 14.07 min Scan# 2038

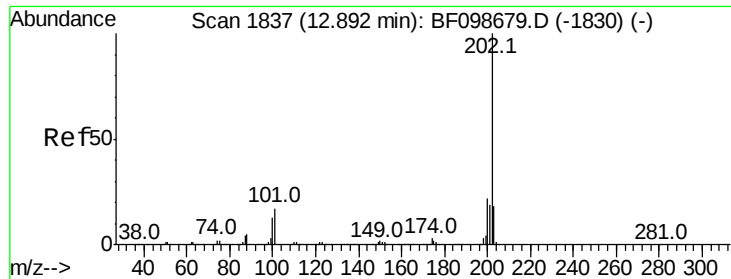
Delta R.T. -0.01 min

Lab File: BF098801.D

Acq: 25 Sep 2017 23:55

Tgt Ion:	240	Resp:	325112
Ion Ratio	Lower	Upper	
240	100		
120	15.9	9.5	14.3#
236	26.1	20.7	31.1





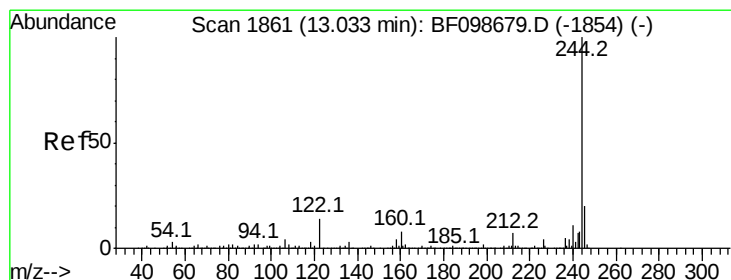
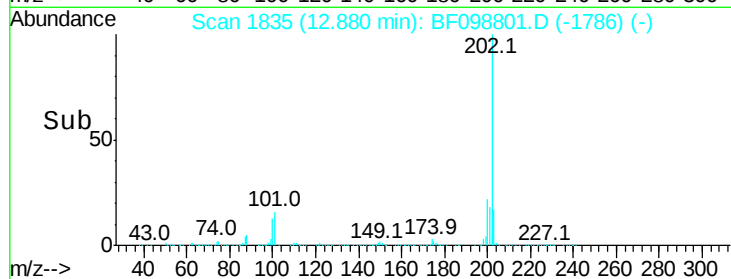
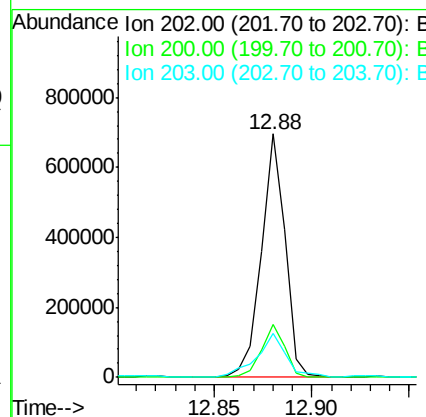
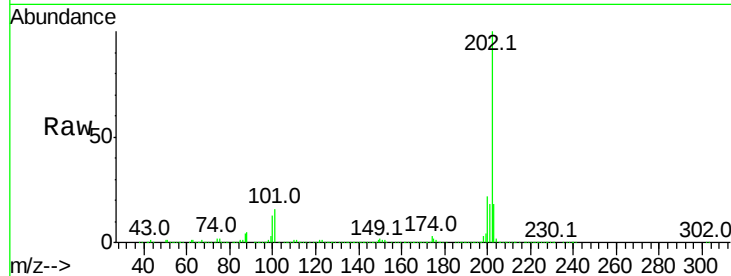
#77
Pvrene
Concen: 23.620 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BF098801.D
Acq: 25 Sep 2017 23:55

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.8	14.3	21.5

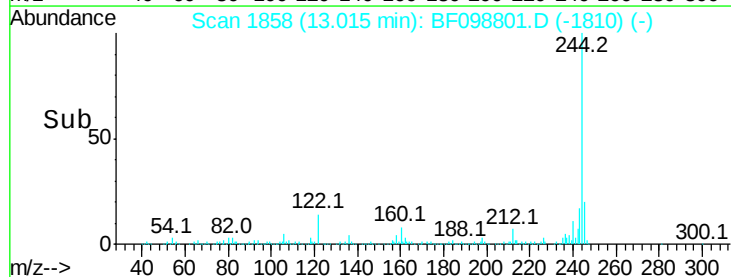
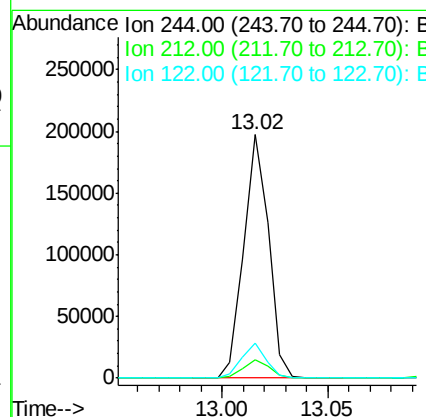
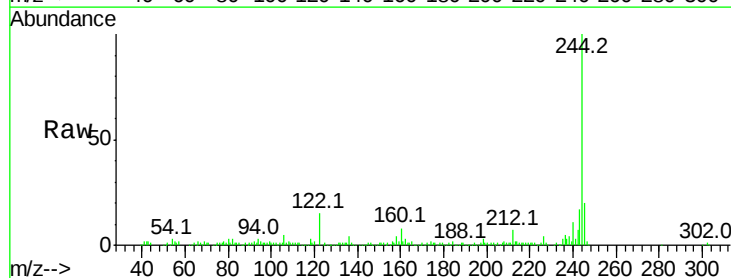
Manual Integrations
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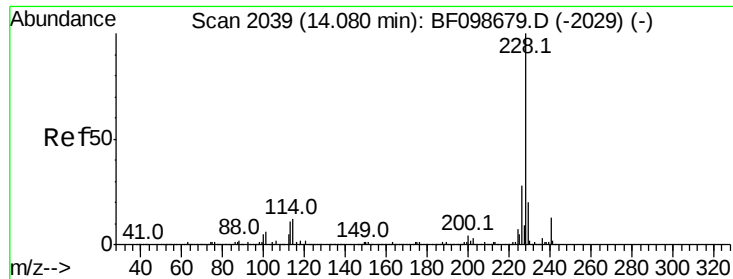
Sohil
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#78
Terphenyl-d14
Concen: 11.200 ng
RT: 13.02 min Scan# 1858
Delta R.T. -0.02 min
Lab File: BF098801.D
Acq: 25 Sep 2017 23:55

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.5	5.4	8.0
122	14.6	11.0	16.4





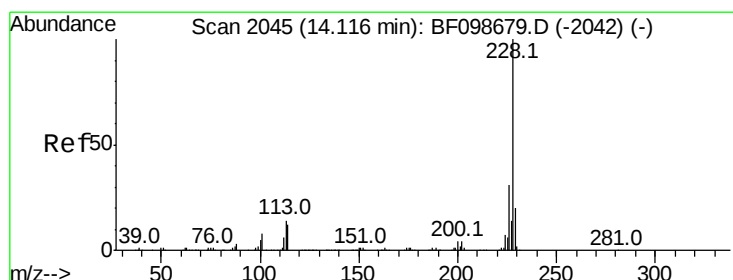
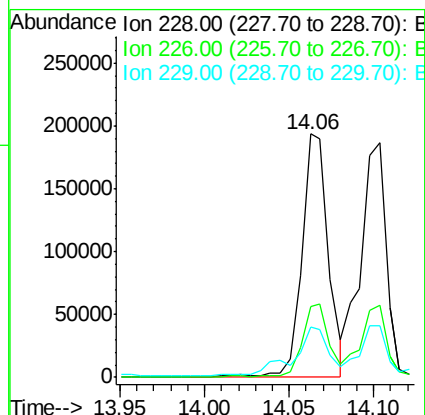
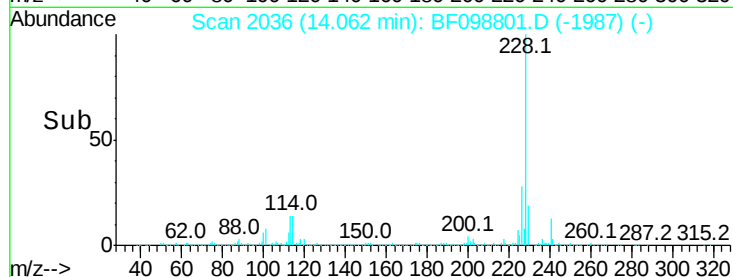
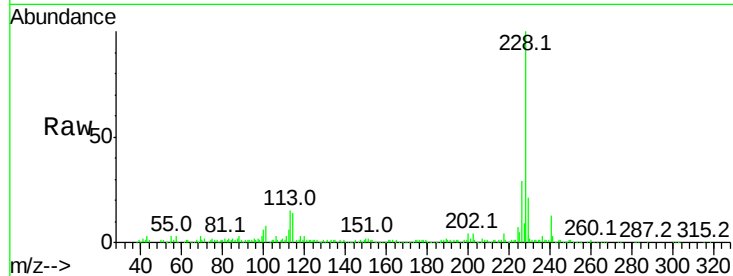
#80
Benzo(a)anthracene
Concen: 10.637 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF098801.D
Acq: 25 Sep 2017 23:55

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

Tot Ion:	228	Resp:	209407
Ion Ratio	Lower	Upper	
228	100		
226	28.9	22.6	33.8
229	20.7	15.8	23.6

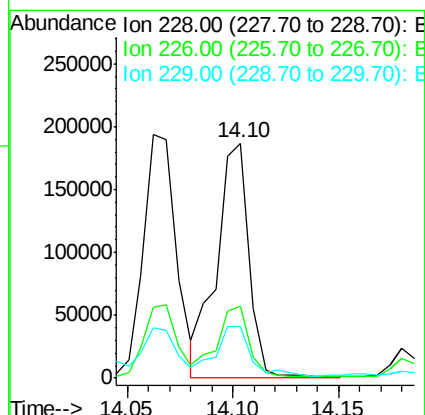
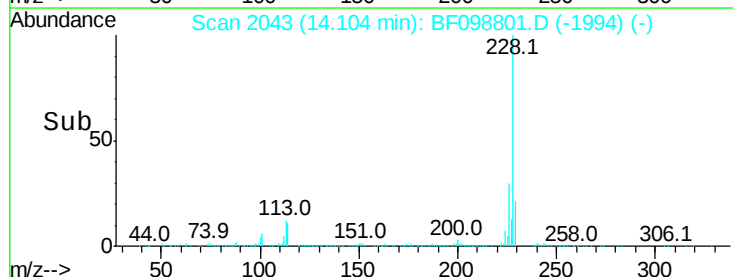
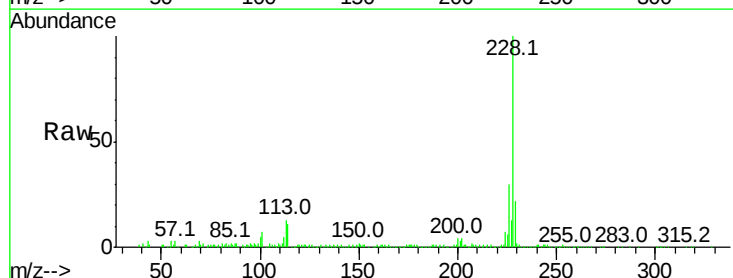
Manual Integrations
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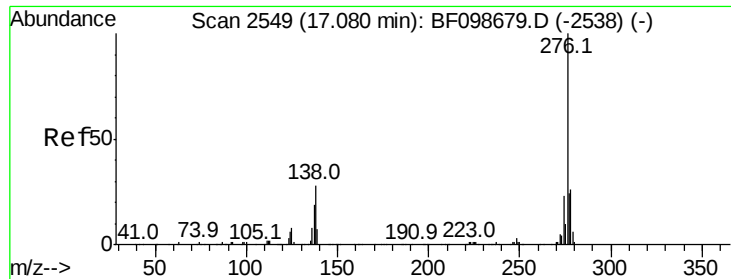
Sohil
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#82
Chrysene
Concen: 10.491 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF098801.D
Acq: 25 Sep 2017 23:55

Tgt Ion:	228	Resp:	196629
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.6
229	21.9	16.2	24.4





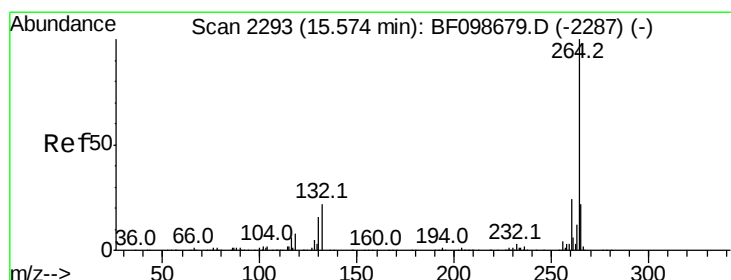
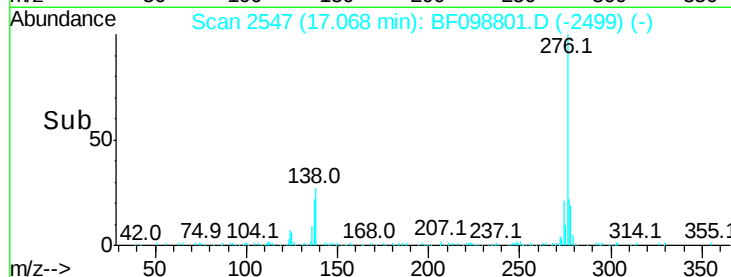
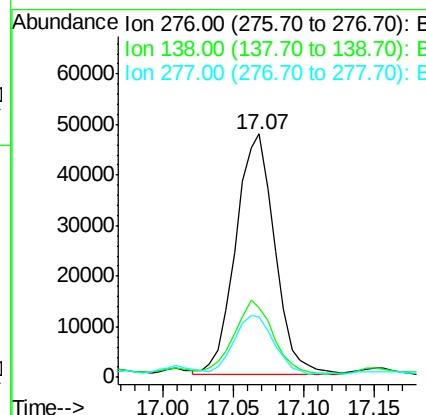
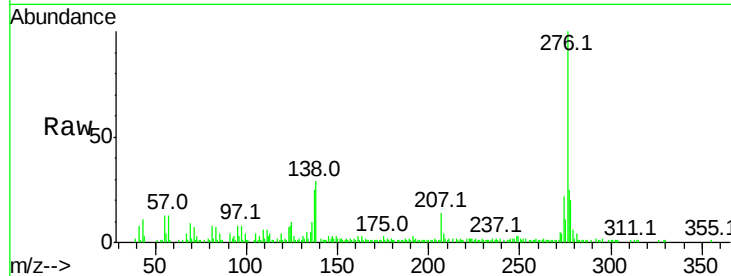
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.127 ng
 RT: 17.07 min Scan# 2547
 Delta R.T. -0.02 min
 Lab File: BF098801.D
 Acq: 25 Sep 2017 23:55

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.8	25.0	37.6
277	25.0	20.1	30.1

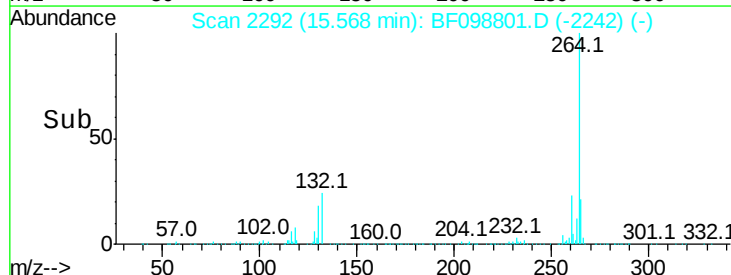
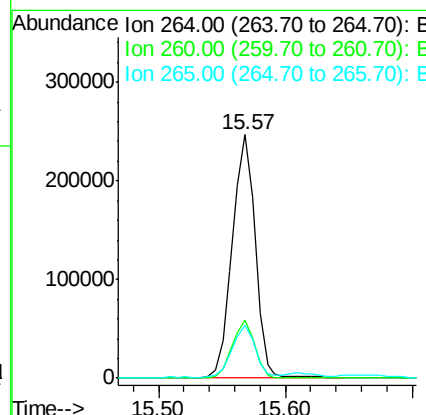
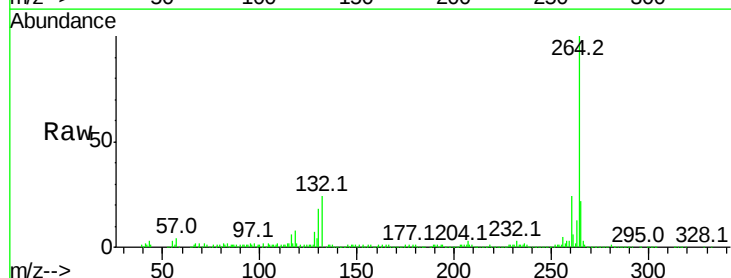
Manual Integrations
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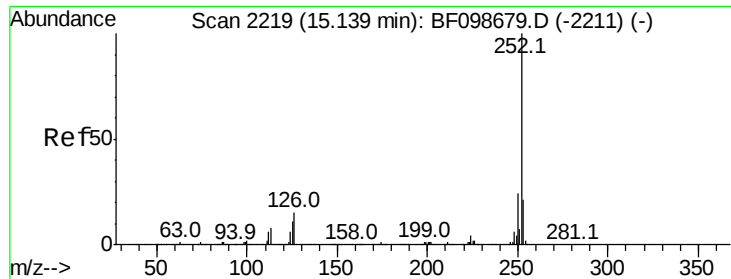
Sohil
 9/26/2017 4:58:45 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2292
 Delta R.T. -0.01 min
 Lab File: BF098801.D
 Acq: 25 Sep 2017 23:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.5	17.5	26.3





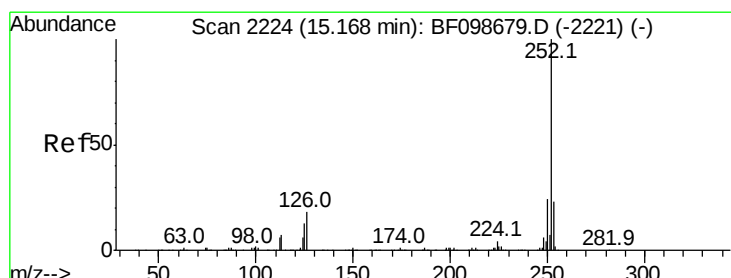
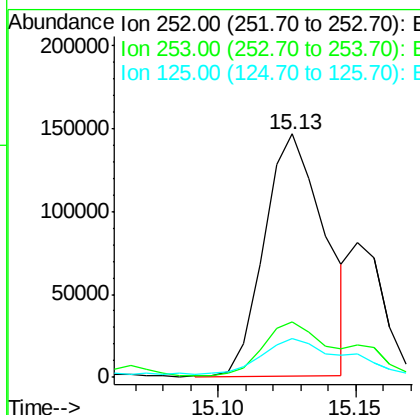
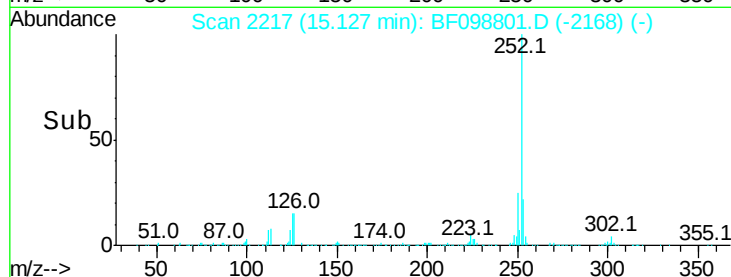
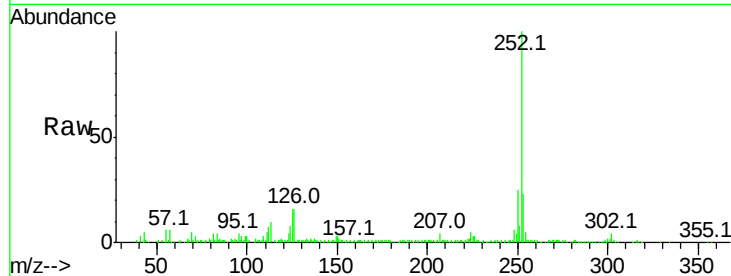
#87
Benzo(b)fluoranthene
Concen: 11.892 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF098801.D
Acq: 25 Sep 2017 23:55

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

Tot Ion	Ratio	Resp	Lower	Upper
252	100	224661		
253	22.5	17.0	25.6	
125	16.2	9.0	13.6	

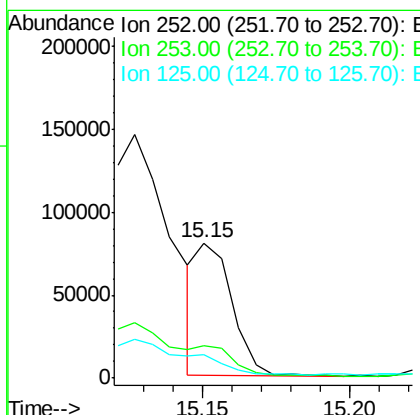
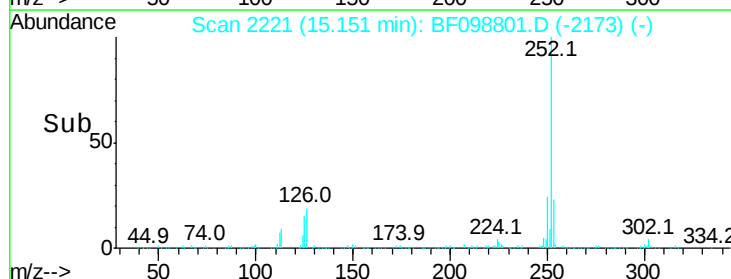
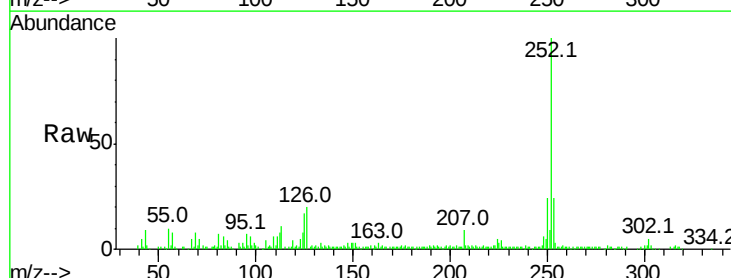
Manual Integrations
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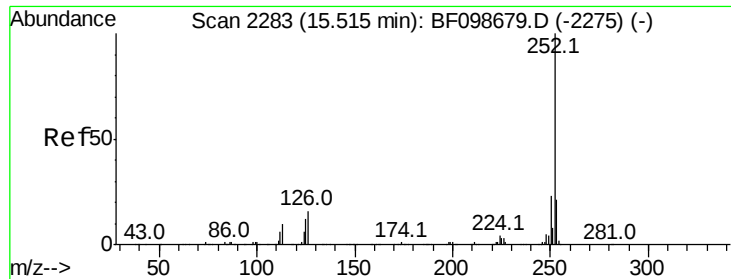
Sohil
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#88
Benzo(k)fluoranthene
Concen: 3.591 ng m
RT: 15.15 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF098801.D
Acq: 25 Sep 2017 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	67003		
253	24.1	17.9	26.9	
125	17.0	10.2	15.2	





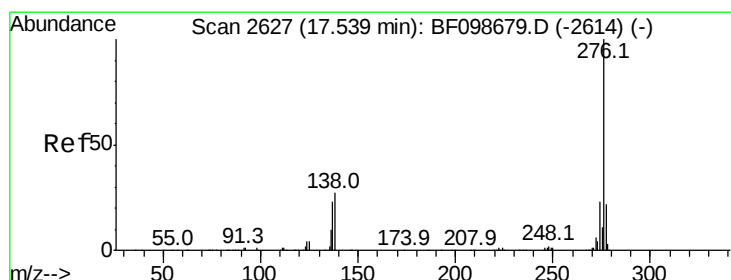
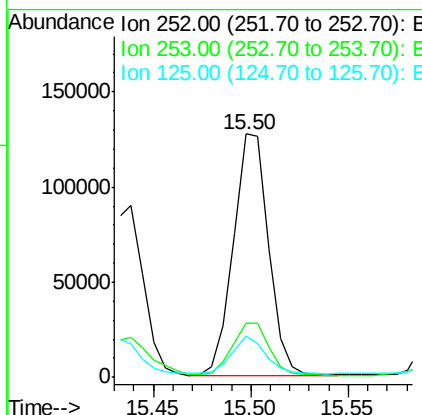
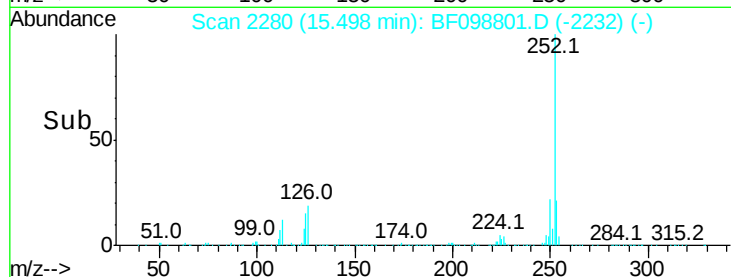
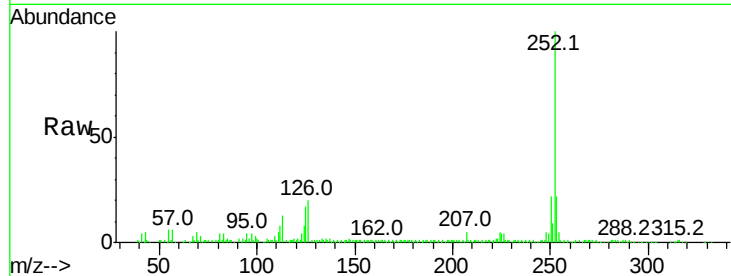
#89
Benzo(a)pyrene
Concen: 9.243 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF098801.D
Acq: 25 Sep 2017 23:55

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	16.9	9.8	14.6

Manual Integrations
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9/26/2017 4:58:45 PM



#91
Benzo(g,h,i)perylene
Concen: 6.353 ng
RT: 17.52 min Scan# 2624
Delta R.T. -0.02 min
Lab File: BF098801.D
Acq: 25 Sep 2017 23:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	33.9	21.8	32.8

