

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
 Data File : BF098777.D
 Acq On : 25 Sep 2017 12:22
 Operator : SJ/JU
 Sample : I5360-13 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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 9/26/2017 4:58:22 PM

Quant Time: Sep 26 06:43:03 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	162858	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	641395	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	241321	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	343599	20.00	ng	0.00
75) Chrysene-d12	14.08	240	304502	20.00	ng	0.00
86) Perylene-d12	15.57	264	265199	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	165789	16.21	ng	-0.02
7) Phenol-d6	6.53	99	203603	16.13	ng	-0.02
23) Nitrobenzene-d5	7.47	82	116274	11.63	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	25718	13.02	ng	-0.02
44) 2-Fluorobiphenyl	9.27	172	217022	15.01	ng	-0.01
78) Terphenyl-d14	13.02	244	137466	10.27	ng	-0.02
Target Compounds						
31) Naphthalene	8.22	128	209253	6.946	ng	99
37) 2-Methylnaphthalene	8.91	142	67934	3.469	ng	98
57) Fluorene	10.50	166	32423	2.006	ng	98
70) Phenanthrene	11.46	178	218359	11.873	ng	98
71) Anthracene	11.51	178	66258	3.521	ng	98
74) Fluoranthene	12.65	202	291288	15.641	ng	99
77) Pyrene	12.88	202	290814	12.525	ng	99
80) Benzo(a)anthracene	14.07	228	138329	7.502	ng	97
82) Chrysene	14.10	228	143008	8.147	ng	98
83) Bis(2-ethylhexyl)phthalate	14.05	149	33270	2.214	ng	99
85) Indeno(1,2,3-cd)pyrene	17.07	276	50576	3.602	ng	97
87) Benzo(b)fluoranthene	15.13	252	164039m	10.060	ng	
88) Benzo(k)fluoranthene	15.16	252	59822m	3.714	ng	
89) Benzo(a)pyrene	15.50	252	107156	7.159	ng	# 91
91) Benzo(a,h,i)perylene	17.53	276	47035	3.972	ng	93

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

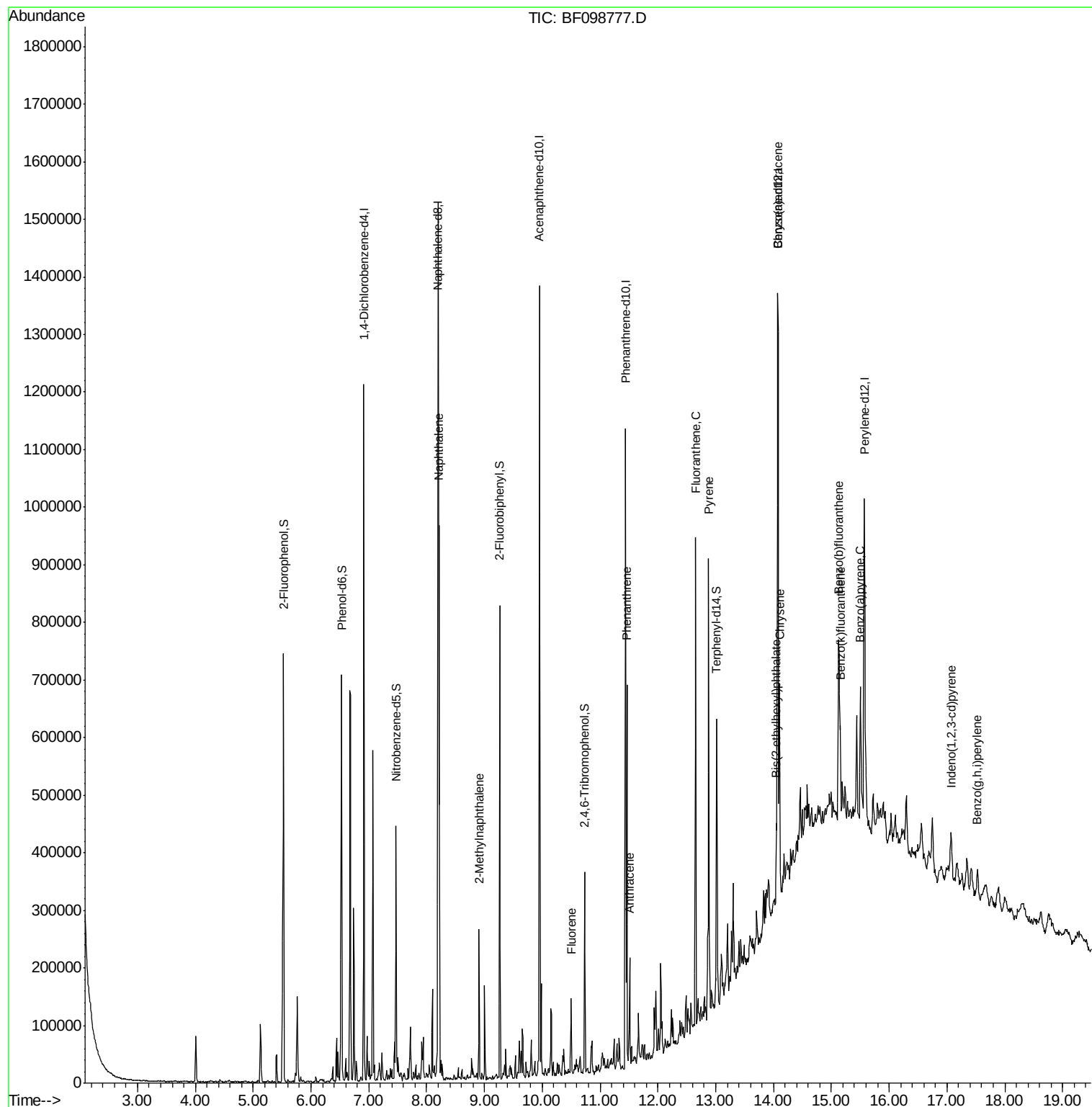
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
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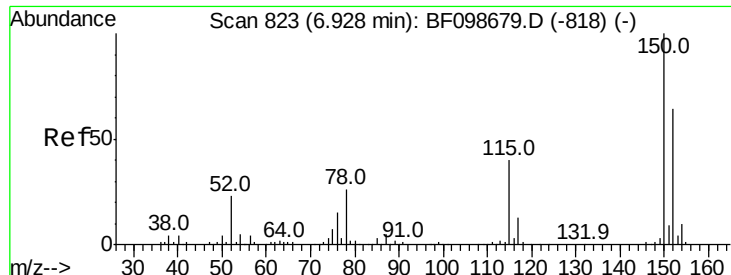
Instrument :
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#1

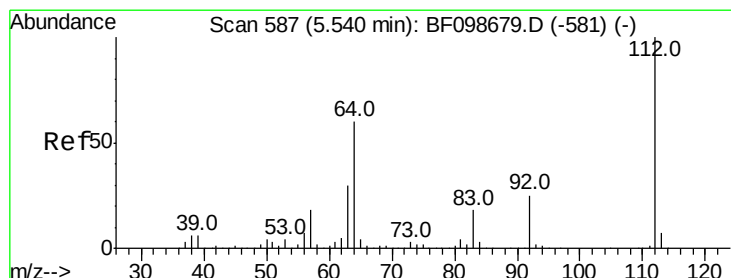
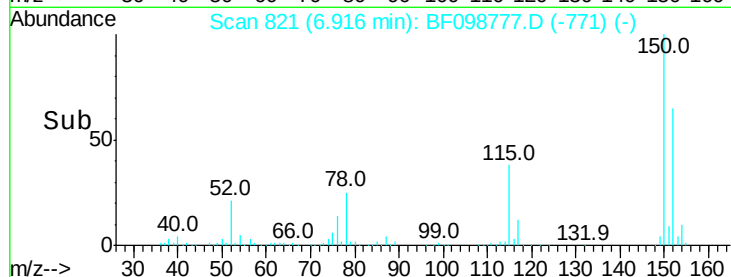
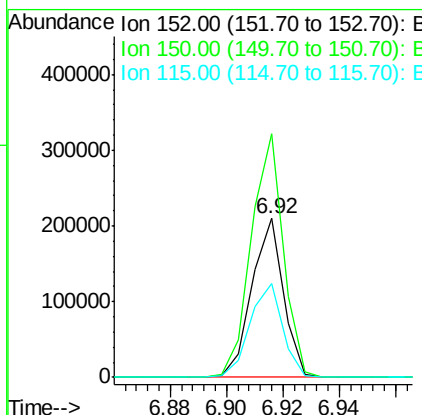
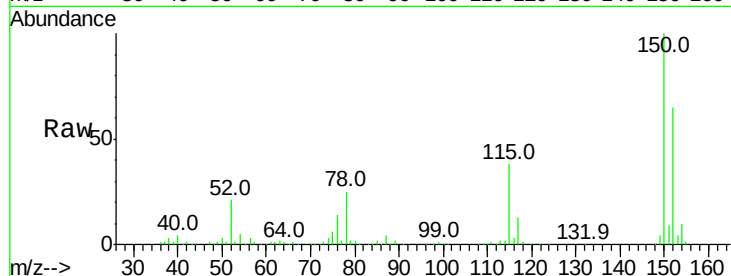
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.92 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF098777.D
 Acq: 25 Sep 2017 12:22

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	124.6	186.8
115	58.7	50.1	75.1

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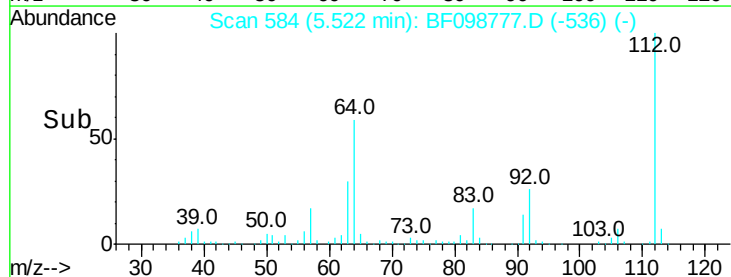
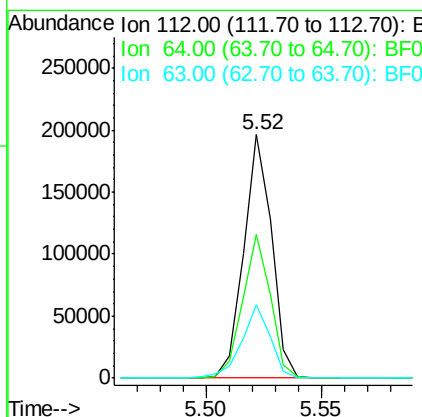
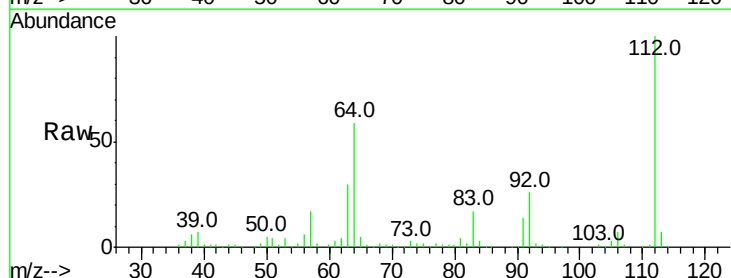
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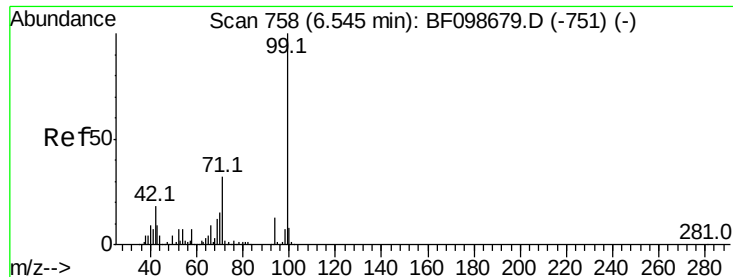


#5

2-Fluorophenol
 Concen: 16.206 ng
 RT: 5.52 min Scan# 584
 Delta R.T. -0.02 min
 Lab File: BF098777.D
 Acq: 25 Sep 2017 12:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.9	71.9
63	30.1	23.7	35.5





#7

Phenol-d6

Concen: 16.133 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098777.D

Acq: 25 Sep 2017 12:22

Instrument :

BNA_F

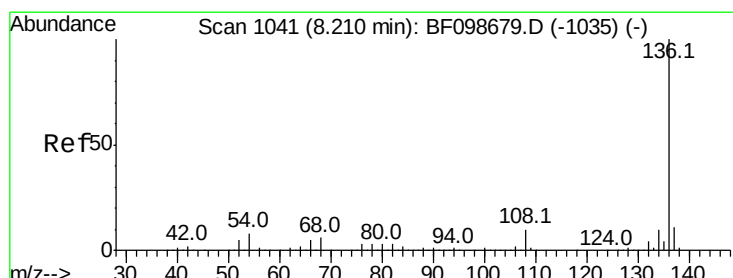
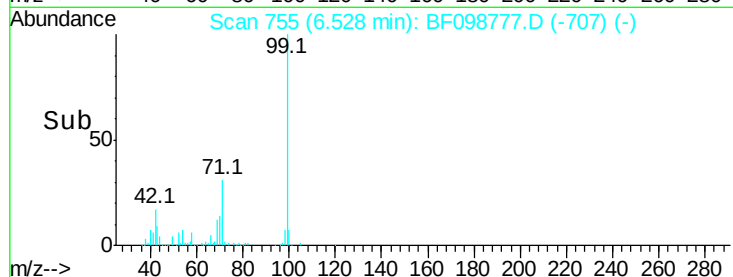
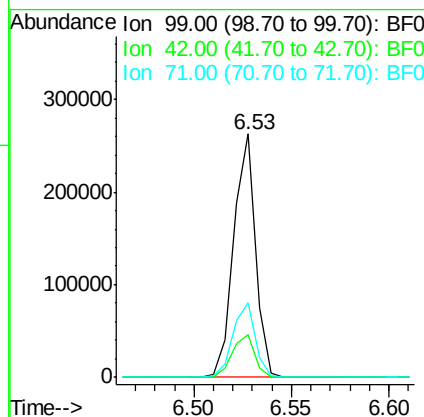
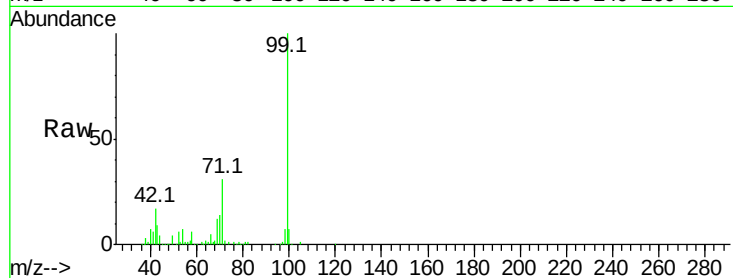
ClientSampleId :

SP-1-G-COMP

Tot Ion:	99	Resp:	203603
Ion Ratio	Lower	Upper	
99	100		
42	17.3	14.5	21.7
71	30.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

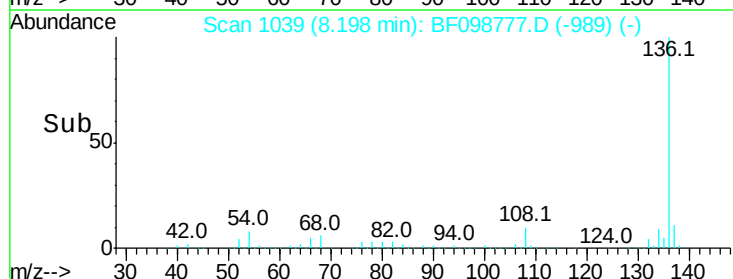
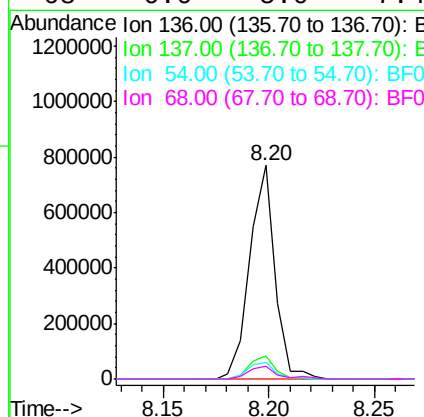
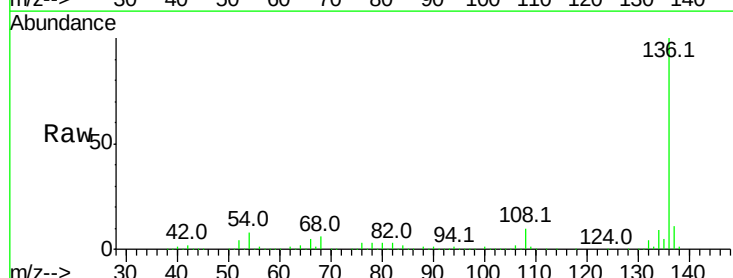
RT: 8.20 min Scan# 1039

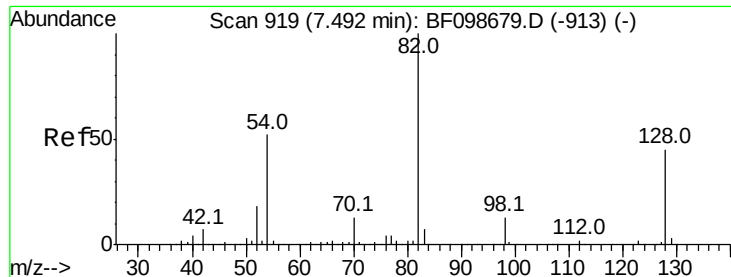
Delta R.T. -0.01 min

Lab File: BF098777.D

Acq: 25 Sep 2017 12:22

Tgt Ion:	136	Resp:	641395
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	7.7	6.6	9.8
68	6.0	5.0	7.4





#23

Nitrobenzene-d5

Concen: 11.626 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.02 min

Lab File: BF098777.D

Acq: 25 Sep 2017 12:22

Instrument :

BNA_F

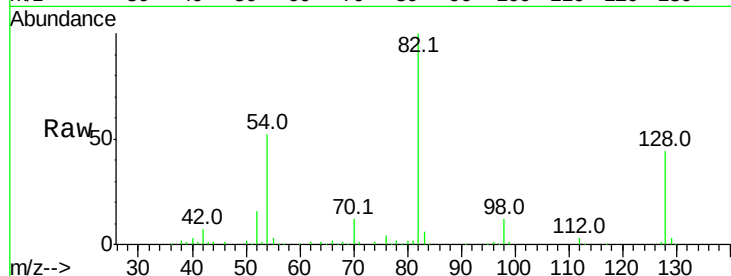
ClientSampleId :

SP-1-G-COMP

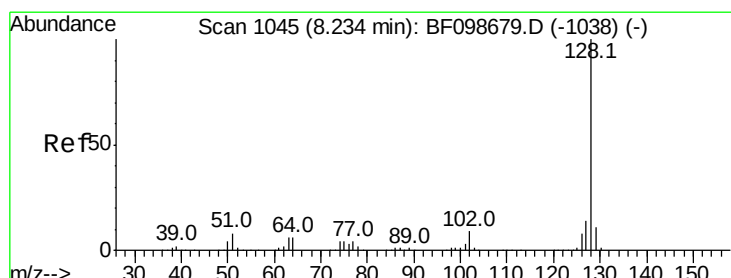
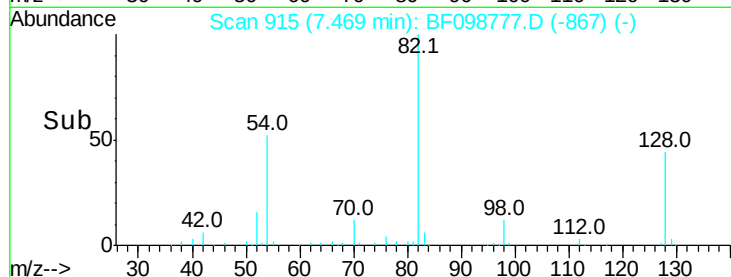
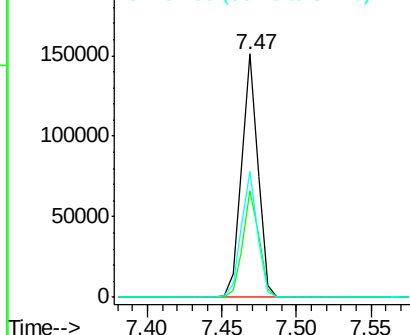
Tot Ion:	82	Resp:	116274
Ion Ratio	Lower	Upper	
82	100		
128	44.1	36.1	54.1
54	51.8	41.4	62.2

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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: 6.946 ng

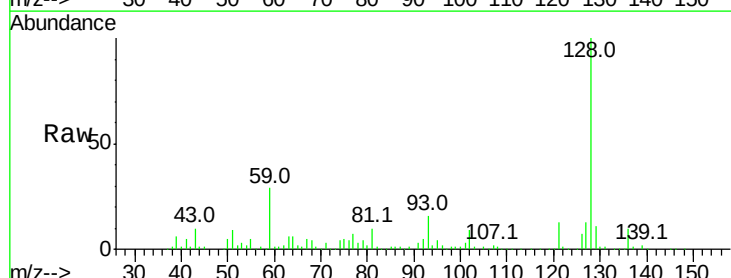
RT: 8.22 min Scan# 1042

Delta R.T. -0.01 min

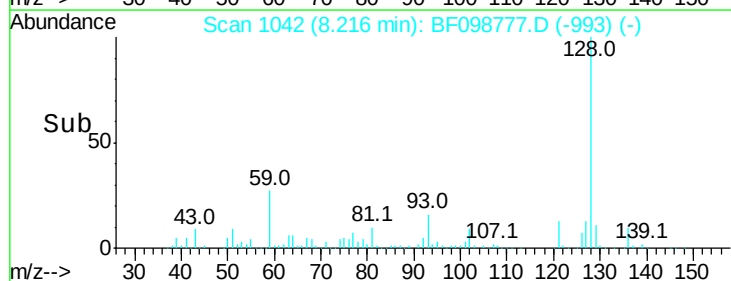
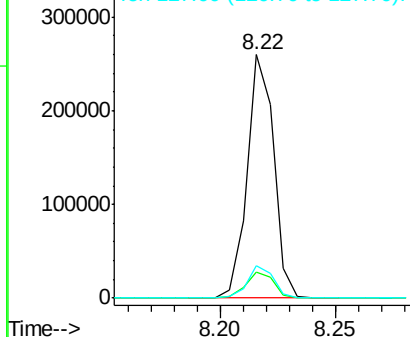
Lab File: BF098777.D

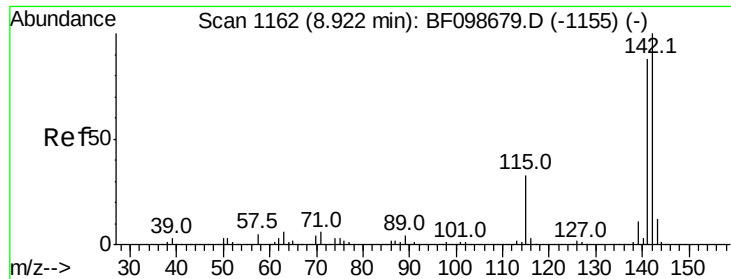
Acq: 25 Sep 2017 12:22

Tgt Ion:	128	Resp:	209253
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.8	13.2
127	13.1	10.9	16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





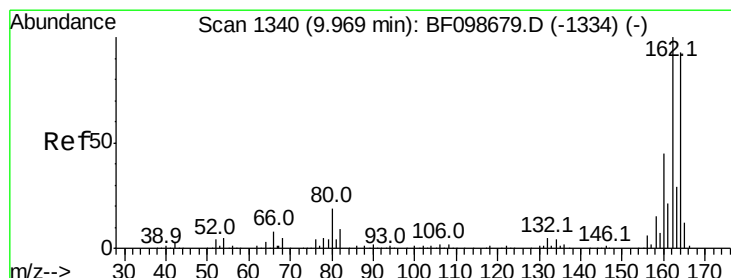
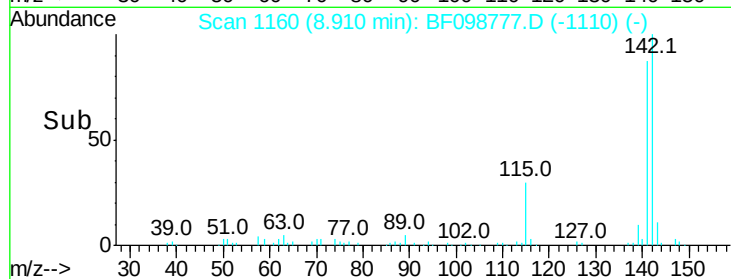
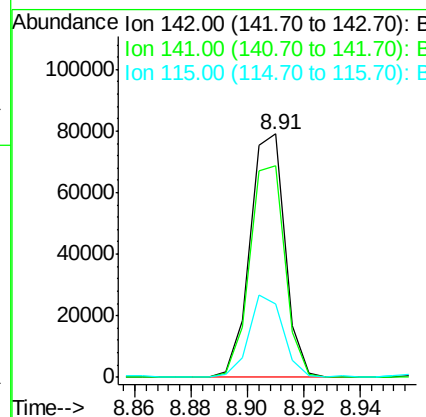
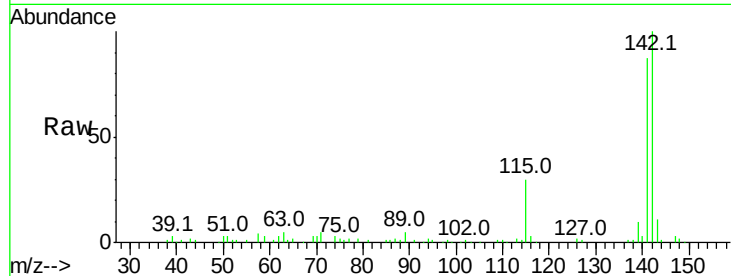
#37
2-Methylnaphthalene
Concen: 3.469 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF098777.D
Acq: 25 Sep 2017 12:22

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.9	70.8	106.2
115	30.2	26.1	39.1

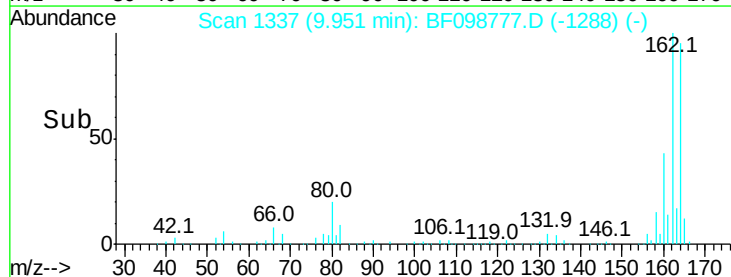
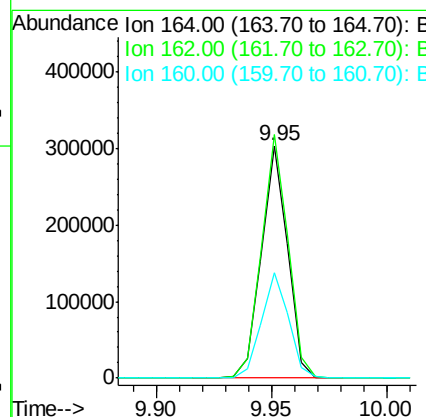
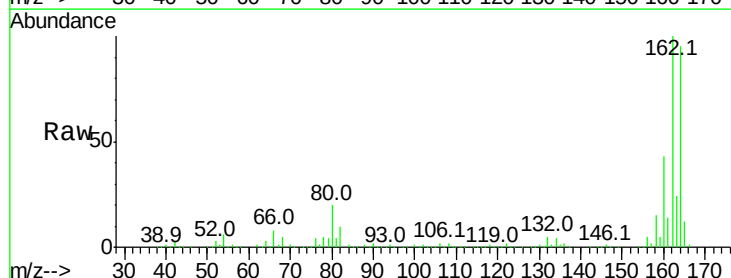
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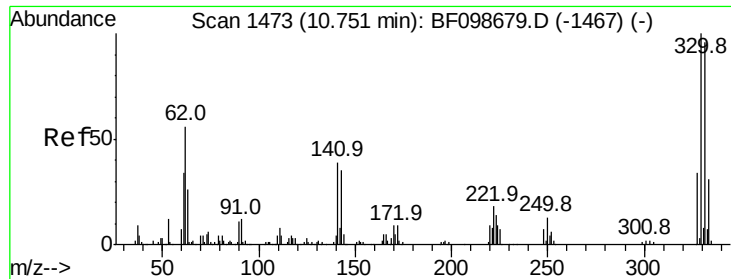
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098777.D
Acq: 25 Sep 2017 12:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	86.1	129.1
160	45.3	38.3	57.5





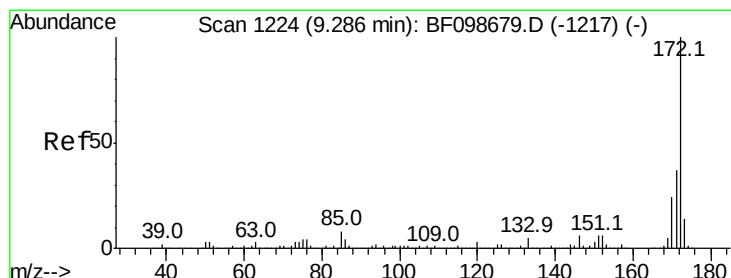
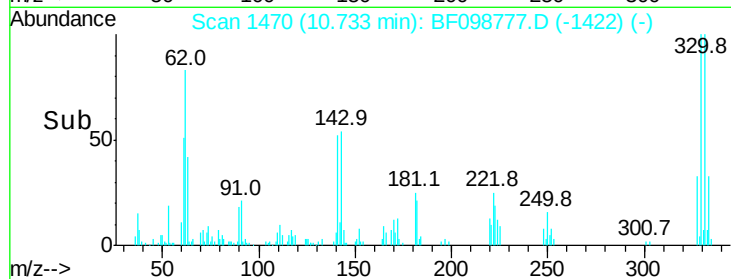
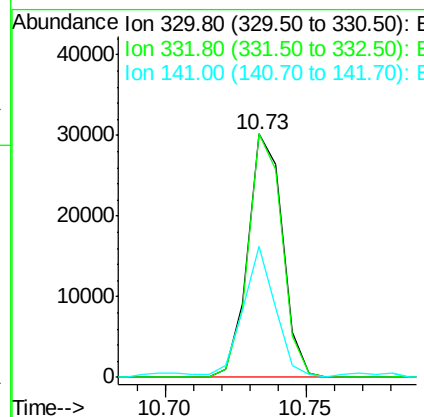
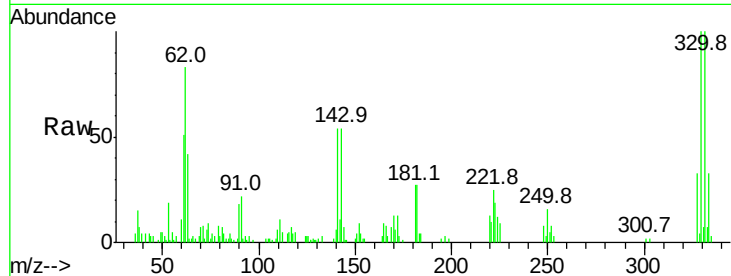
#41
 2,4,6-Tribromophenol
 Concen: 13.024 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.02 min
 Lab File: BF098777.D
 Acq: 25 Sep 2017 12:22

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.0	115.6
141	50.6	29.9	44.9#

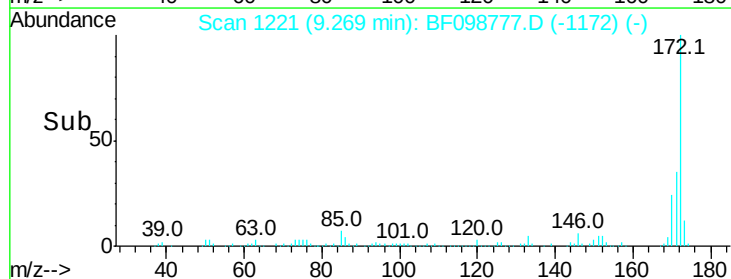
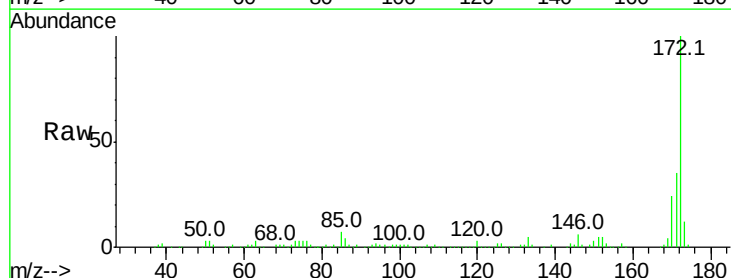
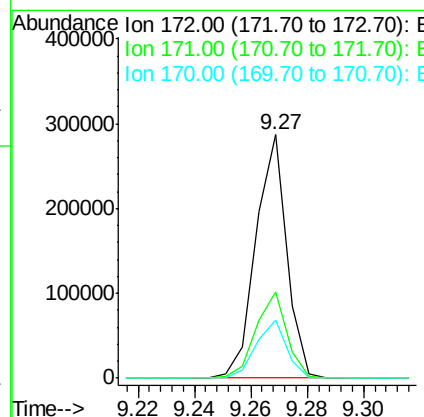
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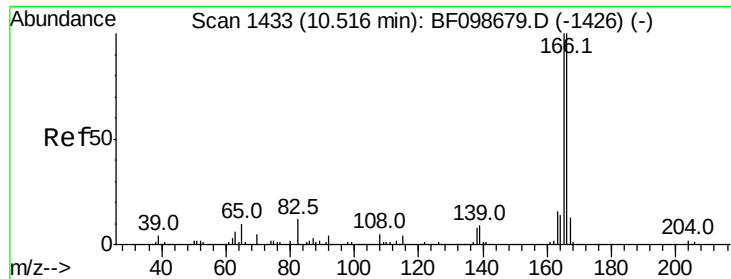
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#44
 2-Fluorobiphenyl
 Concen: 15.013 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098777.D
 Acq: 25 Sep 2017 12:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.9	19.6	29.4





#57

Fluorene

Concen: 2.006 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.01 min

Lab File: BF098777.D

Acq: 25 Sep 2017 12:22

Instrument :

BNA_F

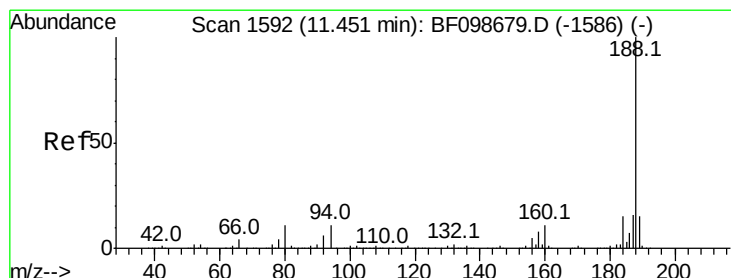
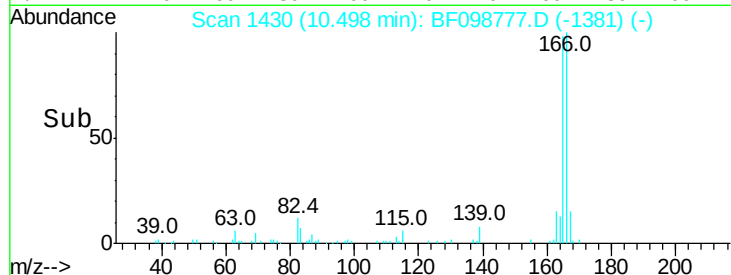
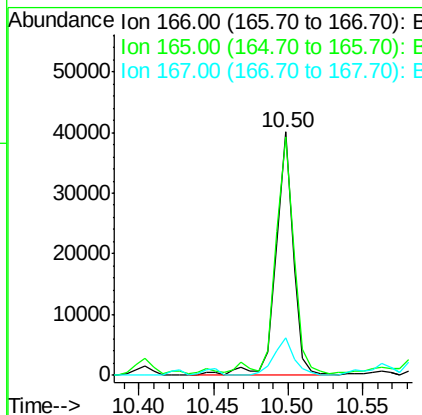
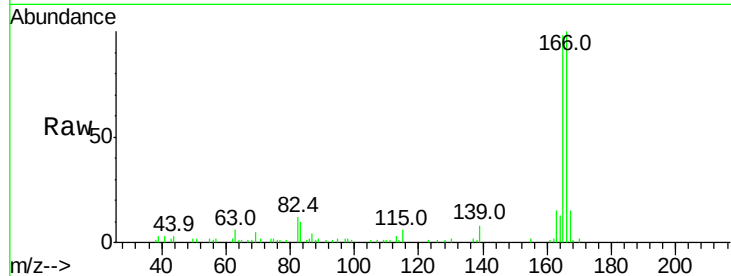
ClientSampleId :

SP-1-G-COMP

Tot Ion	Ratio	Resp	Lower	Upper
166	100	32423		
165	98.0		79.8	119.8
167	15.4		10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

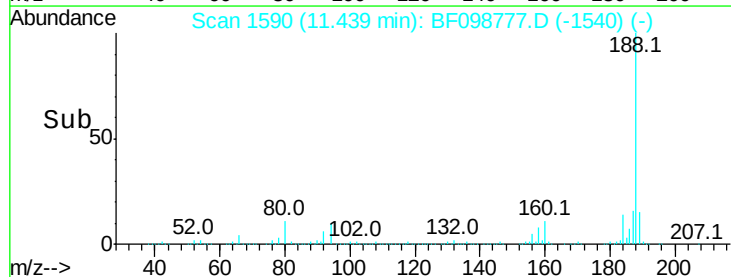
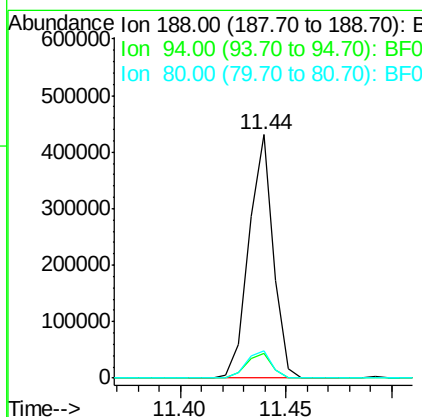
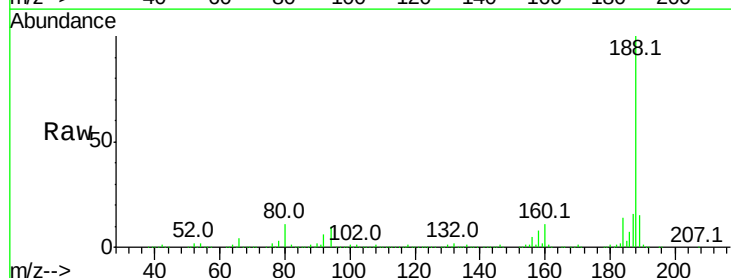
RT: 11.44 min Scan# 1590

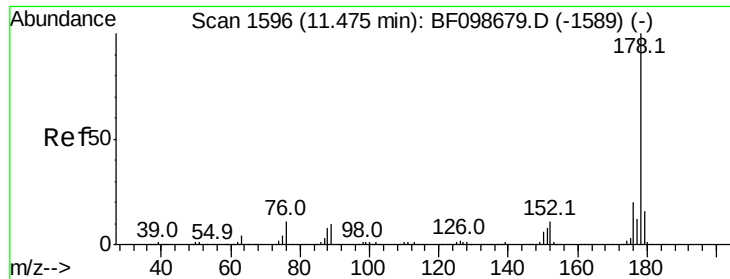
Delta R.T. -0.01 min

Lab File: BF098777.D

Acq: 25 Sep 2017 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	343599		
94	10.3		8.5	12.7
80	11.2		9.2	13.8





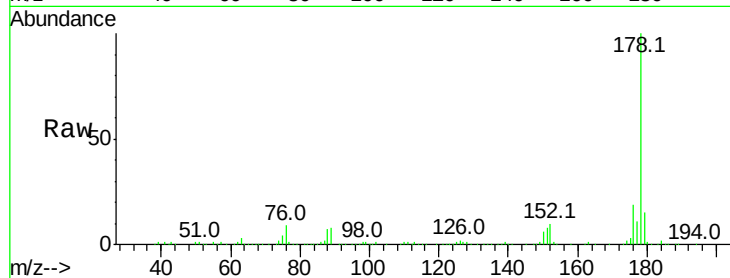
#70
Phenanthrene
Concen: 11.873 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098777.D
Acq: 25 Sep 2017 12:22

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

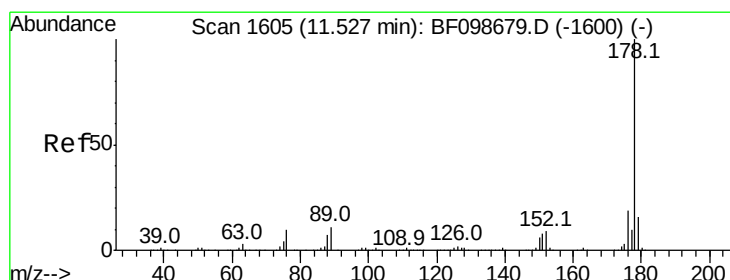
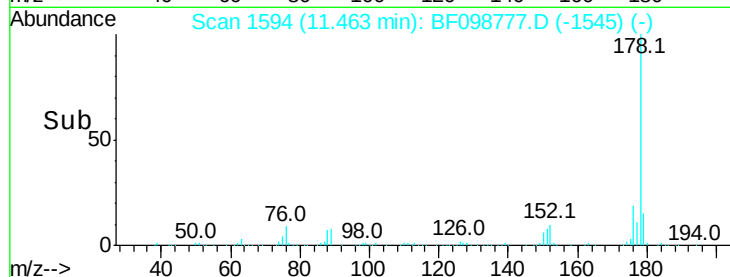
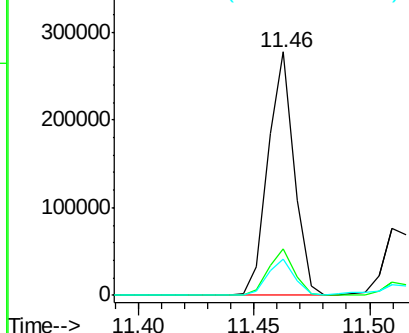
Tot Ion	Ratio	Resp	Lower	Upper
178	100	218359		
176	19.1		15.8	23.8
179	15.0		13.0	19.6

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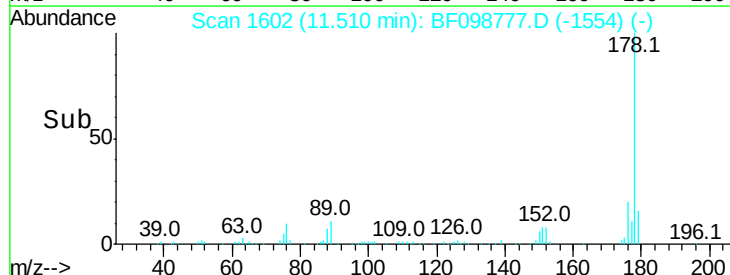
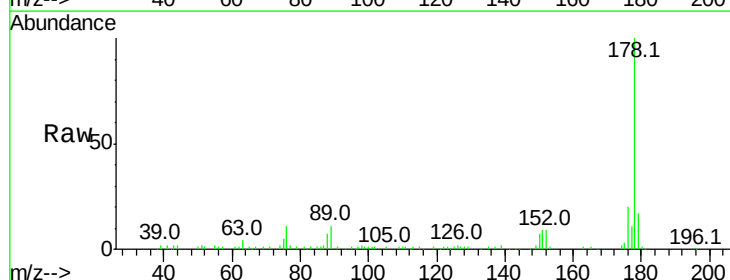
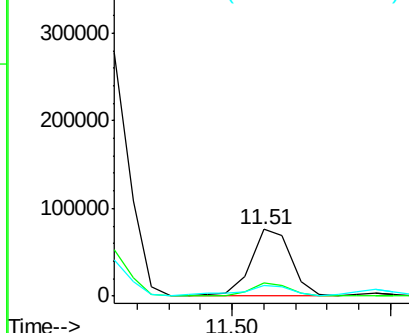
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

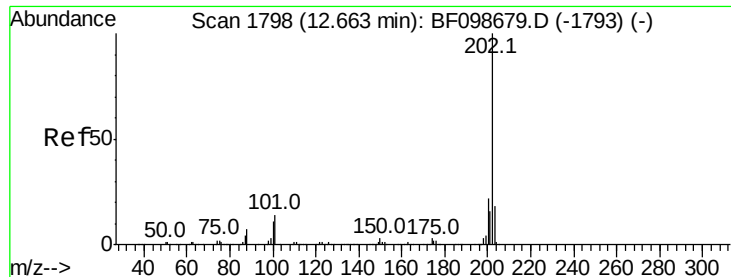


#71
Anthracene
Concen: 3.521 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.02 min
Lab File: BF098777.D
Acq: 25 Sep 2017 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	66258		
176	20.3		15.4	23.2
179	16.8		12.6	19.0

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 15.641 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098777.D

Acq: 25 Sep 2017 12:22

Instrument :

BNA_F

ClientSampleId :

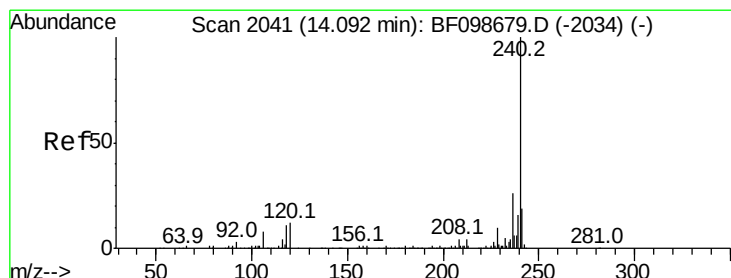
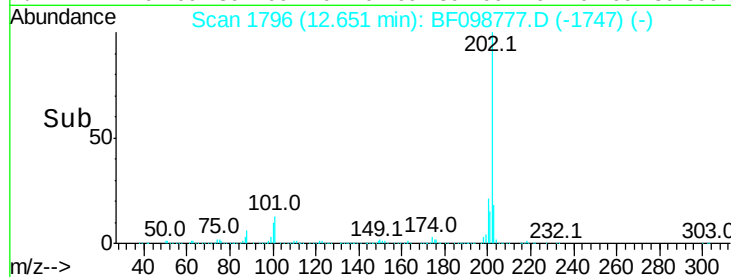
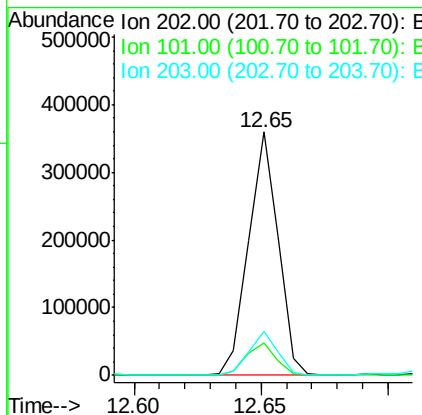
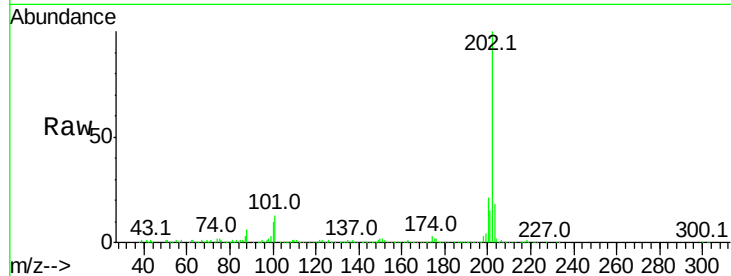
SP-1-G-COMP

Tot Ion:	202	Resp:	291288
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	34.1
203	18.3	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

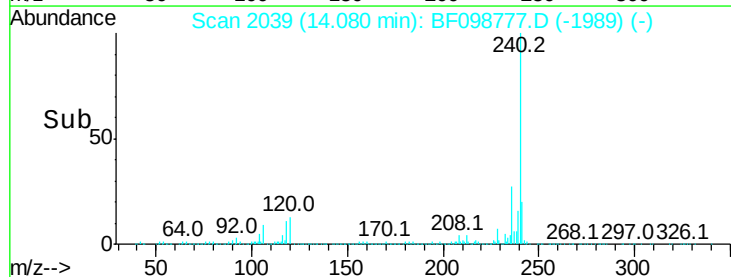
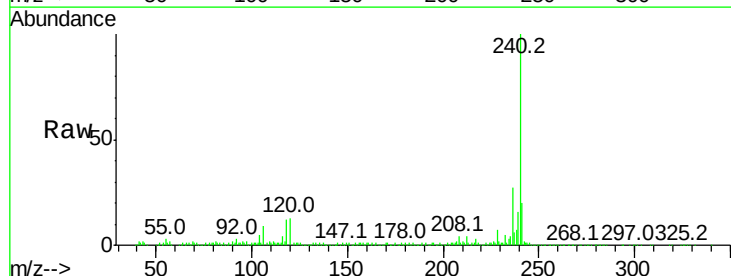
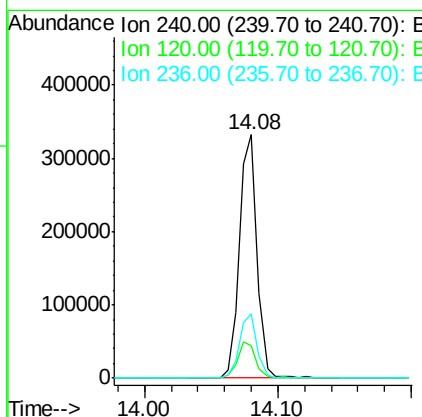
RT: 14.08 min Scan# 2039

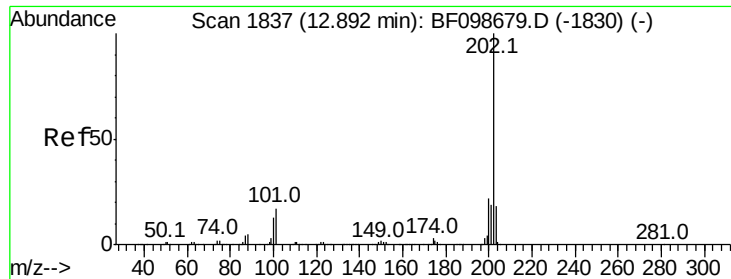
Delta R.T. -0.01 min

Lab File: BF098777.D

Acq: 25 Sep 2017 12:22

Tgt Ion:	240	Resp:	304502
Ion Ratio	Lower	Upper	
240	100		
120	13.1	9.5	14.3
236	26.7	20.7	31.1





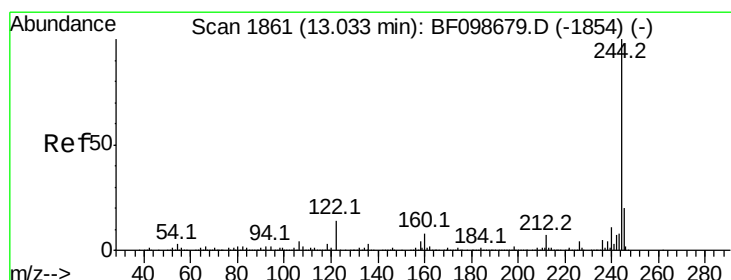
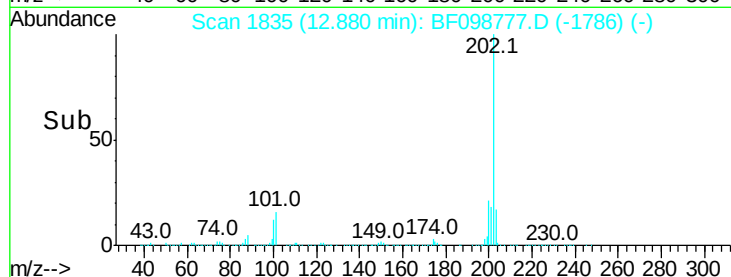
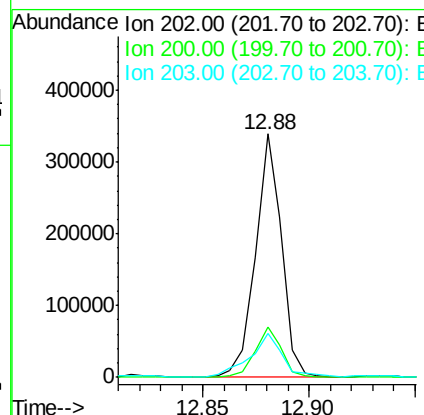
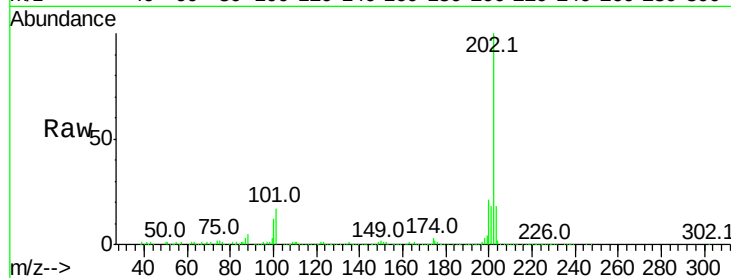
#77
Pvrene
Concen: 12.525 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BF098777.D
Acq: 25 Sep 2017 12:22

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	17.4	26.2
203	17.9	14.3	21.5

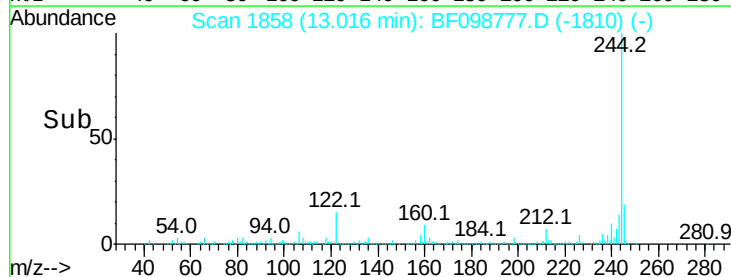
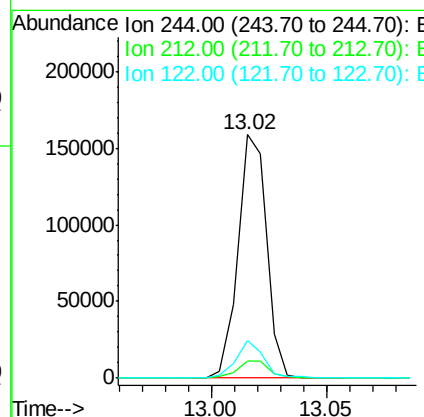
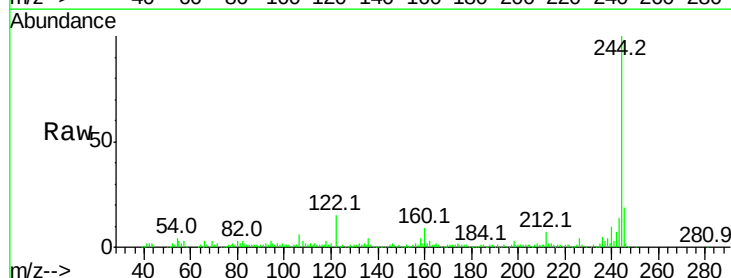
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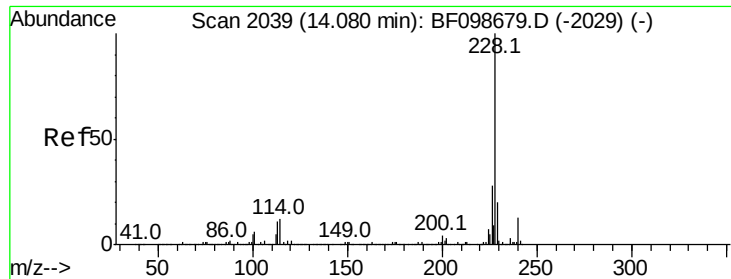
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#78
Terphenyl-d14
Concen: 10.267 ng
RT: 13.02 min Scan# 1858
Delta R.T. -0.02 min
Lab File: BF098777.D
Acq: 25 Sep 2017 12:22

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.2	5.4	8.0
122	15.3	11.0	16.4





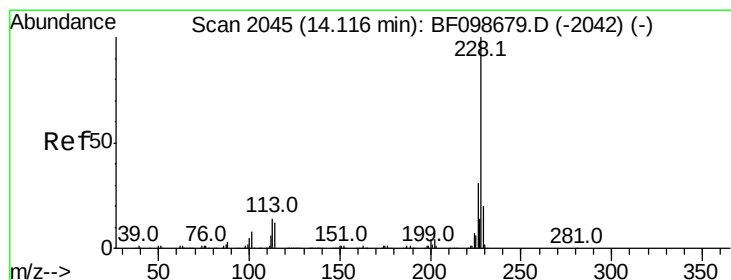
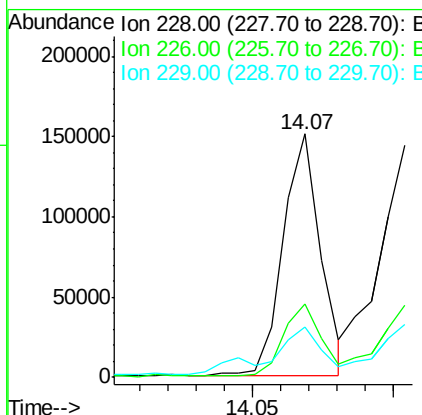
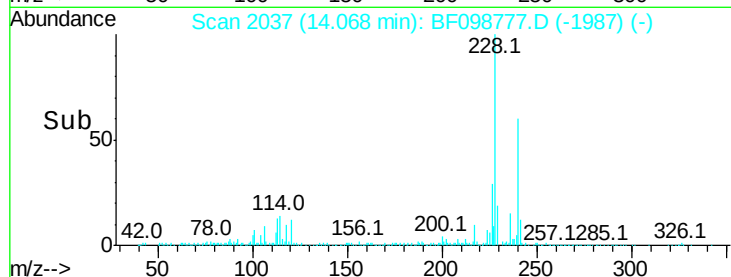
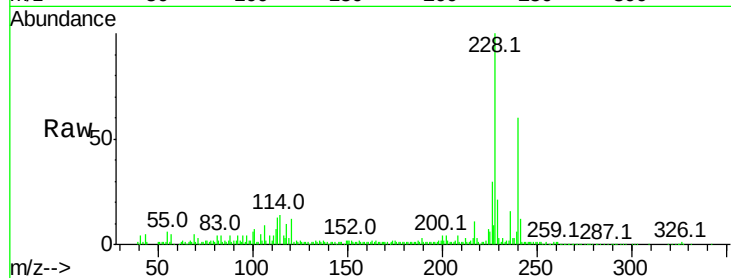
#80
Benzo(a)anthracene
Concen: 7.502 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF098777.D
Acq: 25 Sep 2017 12:22

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

Tot Ion:	228	Resp:	138329
Ion Ratio	Lower	Upper	
228	100		
226	30.0	22.6	33.8
229	20.8	15.8	23.6

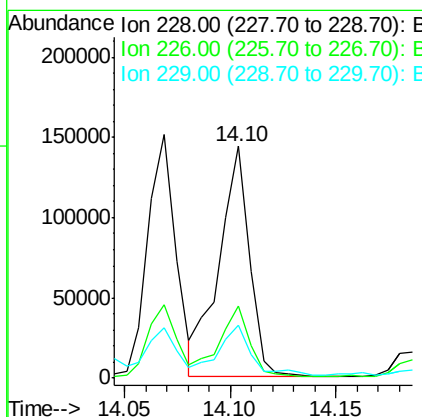
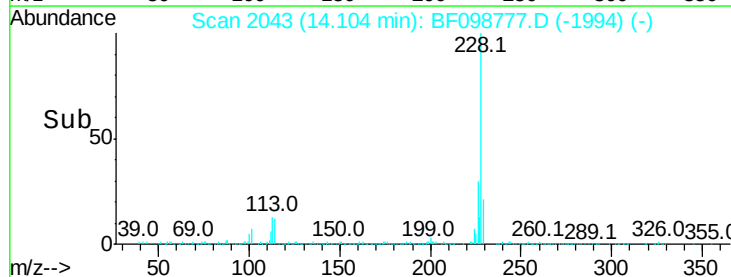
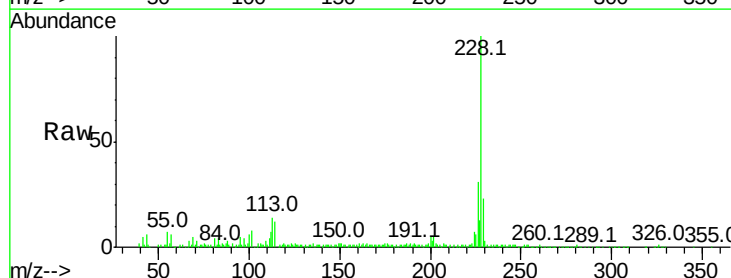
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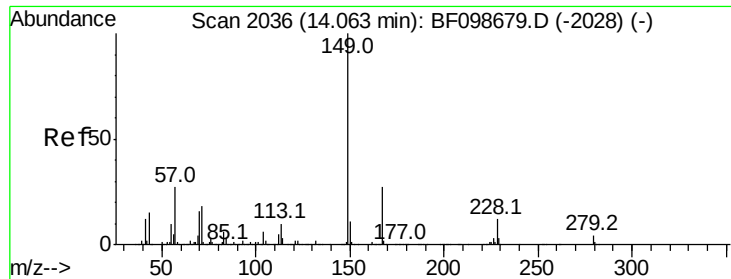
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#82
Chrysene
Concen: 8.147 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF098777.D
Acq: 25 Sep 2017 12:22

Tgt Ion:	228	Resp:	143008
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.6
229	22.6	16.2	24.4





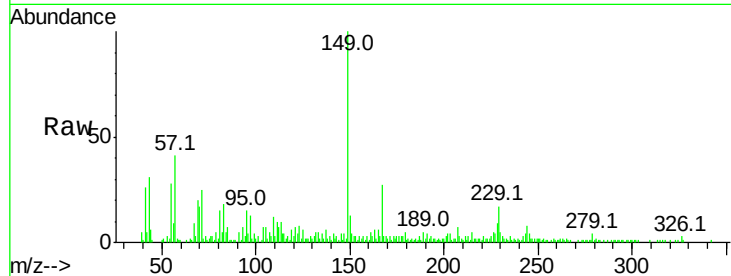
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.214 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF098777.D
 Acq: 25 Sep 2017 12:22

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

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.3	31.9
279	4.1	3.0	4.4

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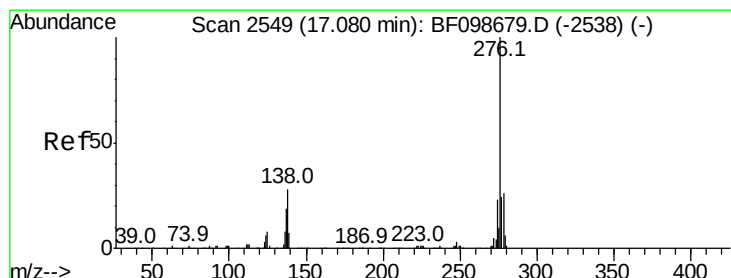
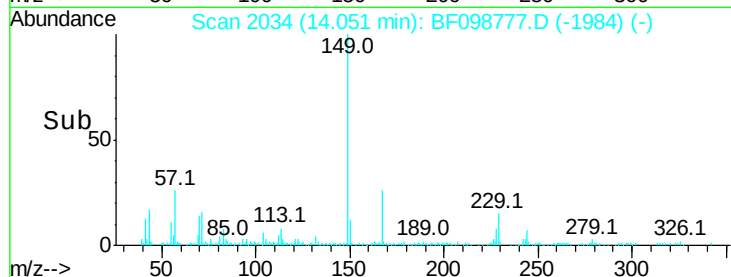
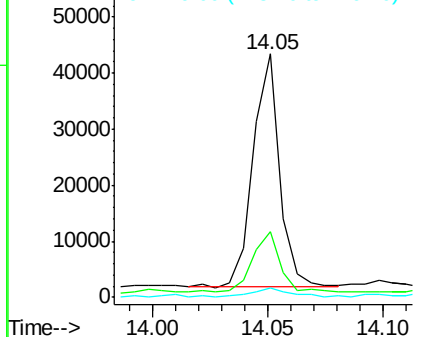


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.602 ng
 RT: 17.07 min Scan# 2547
 Delta R.T. -0.02 min
 Lab File: BF098777.D
 Acq: 25 Sep 2017 12:22

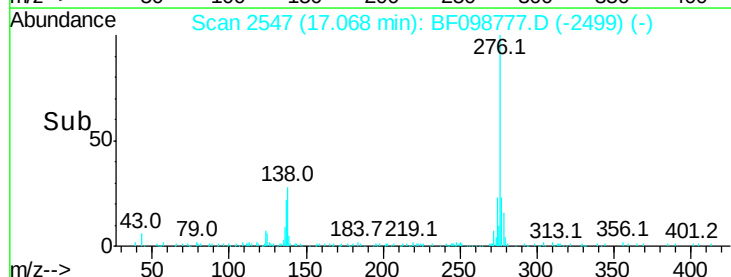
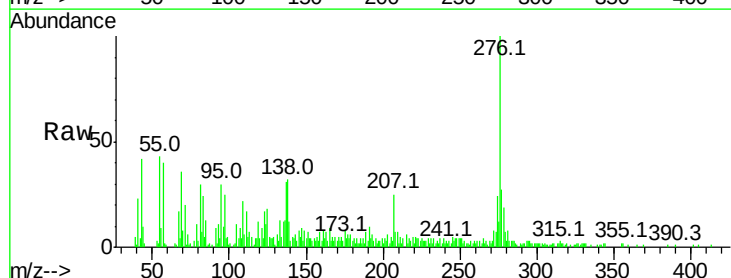
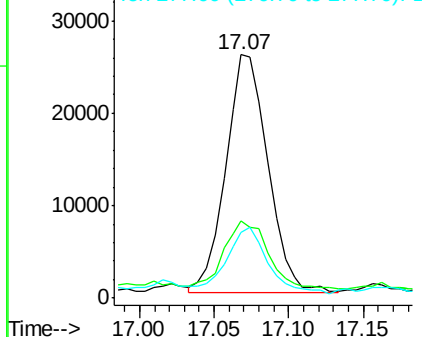
Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.0	25.0	37.6
277	27.2	20.1	30.1

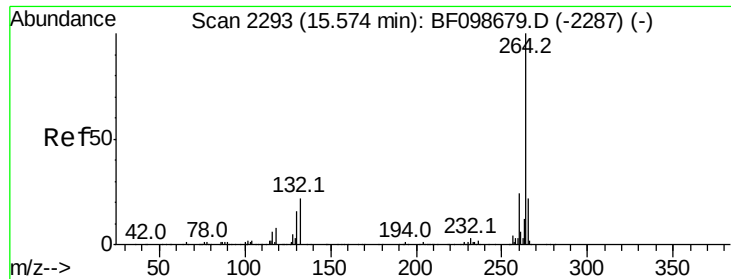
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





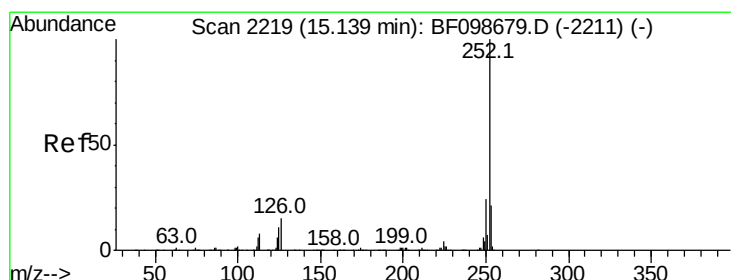
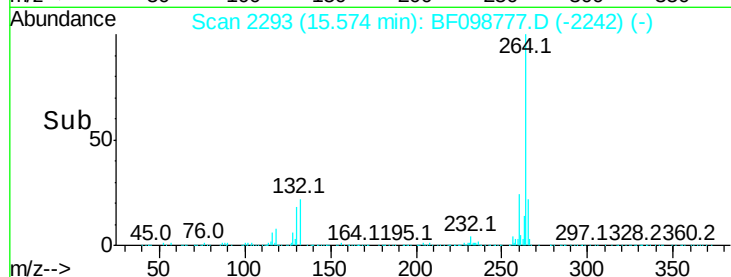
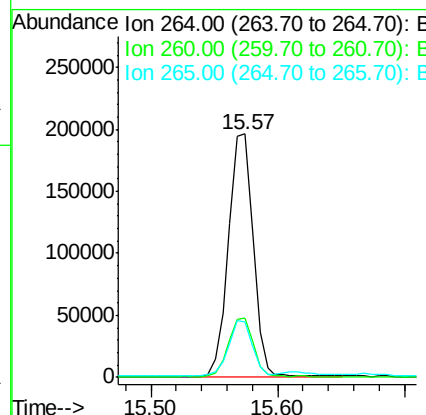
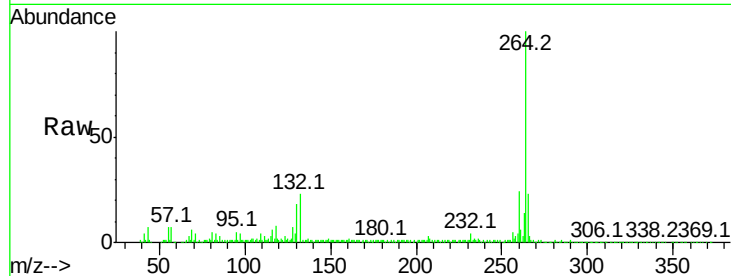
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: BF098777.D
Acq: 25 Sep 2017 12:22

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

Tot Ion	Ratio	Resp	Lower	Upper
264	100	265199		
260	24.3		19.2	28.8
265	22.9		17.5	26.3

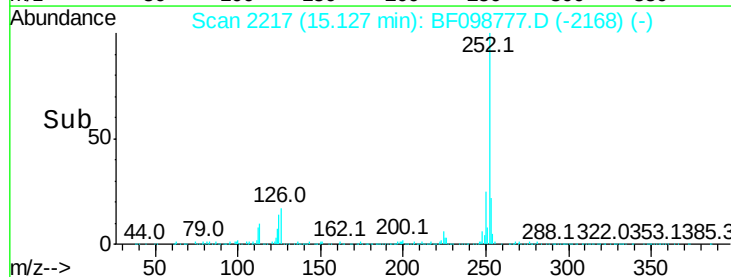
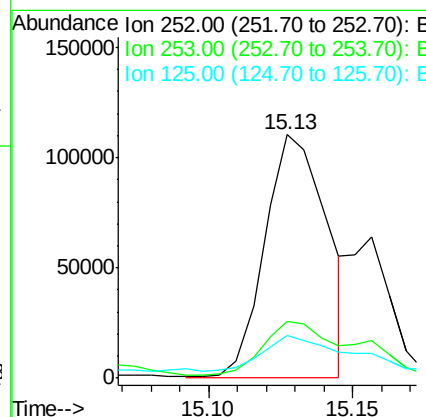
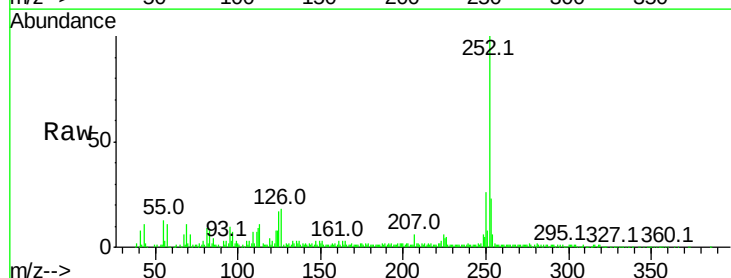
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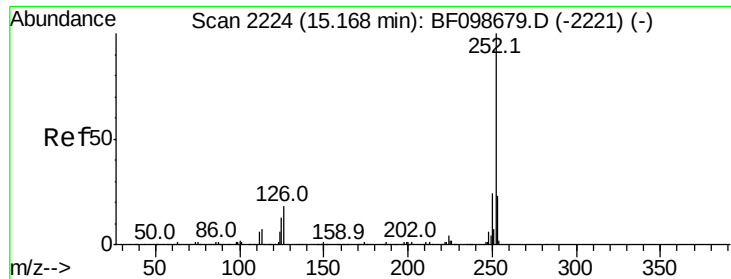
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#87
Benzo(b)fluoranthene
Concen: 10.060 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF098777.D
Acq: 25 Sep 2017 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	164039		
253	23.1		17.0	25.6
125	17.4		9.0	13.6





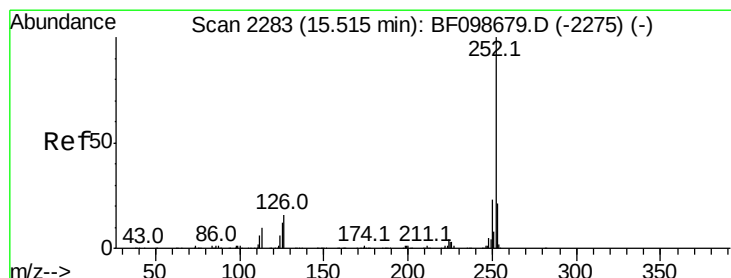
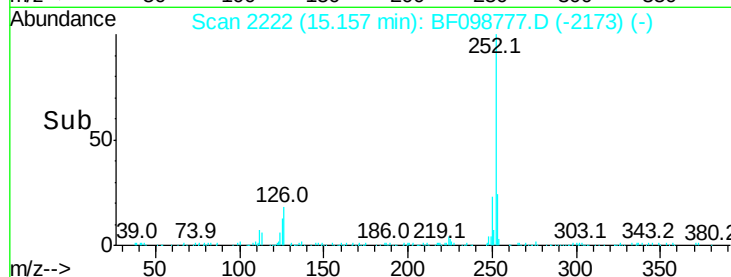
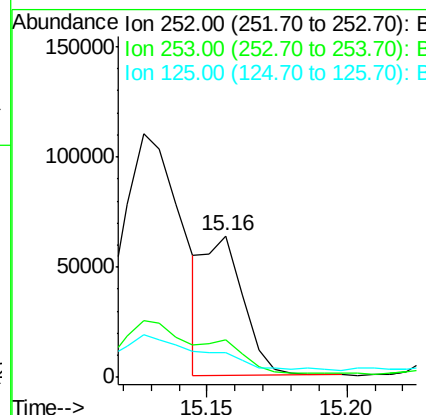
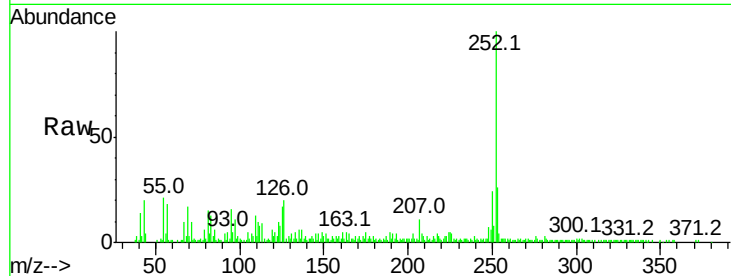
#88
Benzo(k)fluoranthene
Concen: 3.714 ng/mL
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF098777.D
Acq: 25 Sep 2017 12:22

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.9	26.9
125	17.5	10.2	15.2

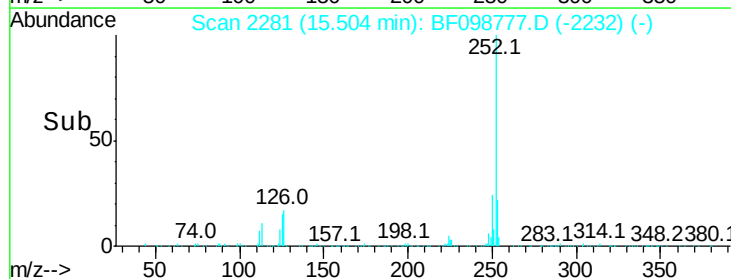
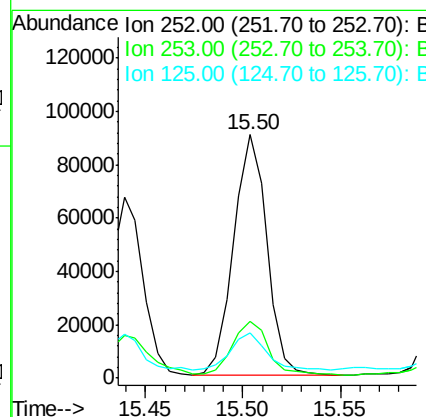
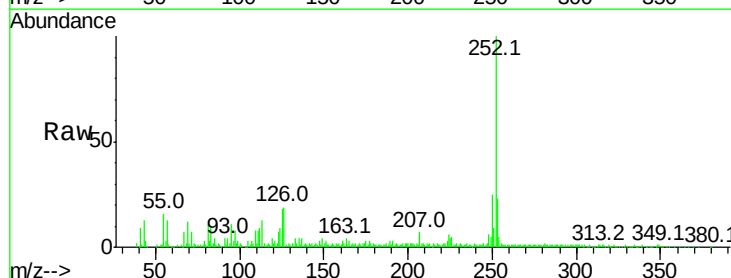
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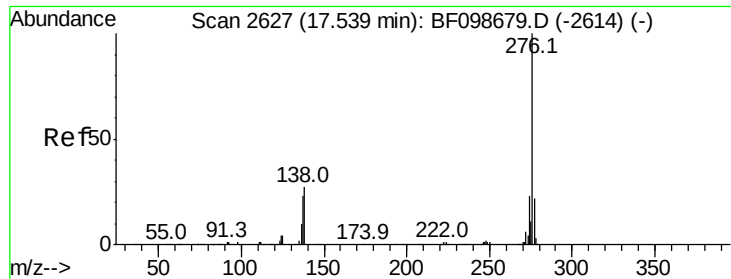
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#89
Benzo(a)pyrene
Concen: 7.159 ng/mL
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF098777.D
Acq: 25 Sep 2017 12:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	18.4	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.972 ng
 RT: 17.53 min Scan# 2625
 Delta R.T. -0.02 min
 Lab File: BF098777.D
 Acq: 25 Sep 2017 12:22

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	32.1	21.8	32.8

Manual Integrations
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