

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092617\
 Data File : BF098830.D
 Acq On : 26 Sep 2017 14:16
 Operator : SJ/JU
 Sample : I5363-11 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3-F-COMP

Manual Integrations
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 9/27/2017 12:44:40 PM

Quant Time: Sep 27 01:30:24 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	175912	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	762636	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	339226	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	603493	20.00	ng	0.00
75) Chrysene-d12	14.08	240	415508	20.00	ng	0.00
86) Perylene-d12	15.57	264	411090	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	212840	19.26	ng	-0.02
7) Phenol-d6	6.52	99	264316	19.39	ng	-0.02
23) Nitrobenzene-d5	7.47	82	154929	13.03	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	52976	19.09	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	312988	15.40	ng	-0.02
78) Terphenyl-d14	13.02	244	269840	14.77	ng	-0.02
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.90	142	54941	2.360	ng	99
70) Phenanthrene	11.46	178	222124	6.876	ng	98
71) Anthracene	11.51	178	282787	8.556	ng	99
72) Carbazole	11.66	167	68104	2.104	ng	100
74) Fluoranthene	12.65	202	530588	16.221	ng	98
77) Pyrene	12.88	202	480920	15.179	ng	100
80) Benzo(a)anthracene	14.07	228	183698	7.301	ng	95
82) Chrysene	14.10	228	275178	11.488	ng	98
85) Indeno(1,2,3-cd)pyrene	17.07	276	83722	4.369	ng	100
87) Benzo(b)fluoranthene	15.13	252	304932m	12.064	ng	
88) Benzo(k)fluoranthene	15.15	252	99910m	4.002	ng	
89) Benzo(a)pyrene	15.50	252	125487	5.409	ng	# 95
91) Benzo(a,h,i)perylene	17.52	276	74112	4.038	ng	98

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

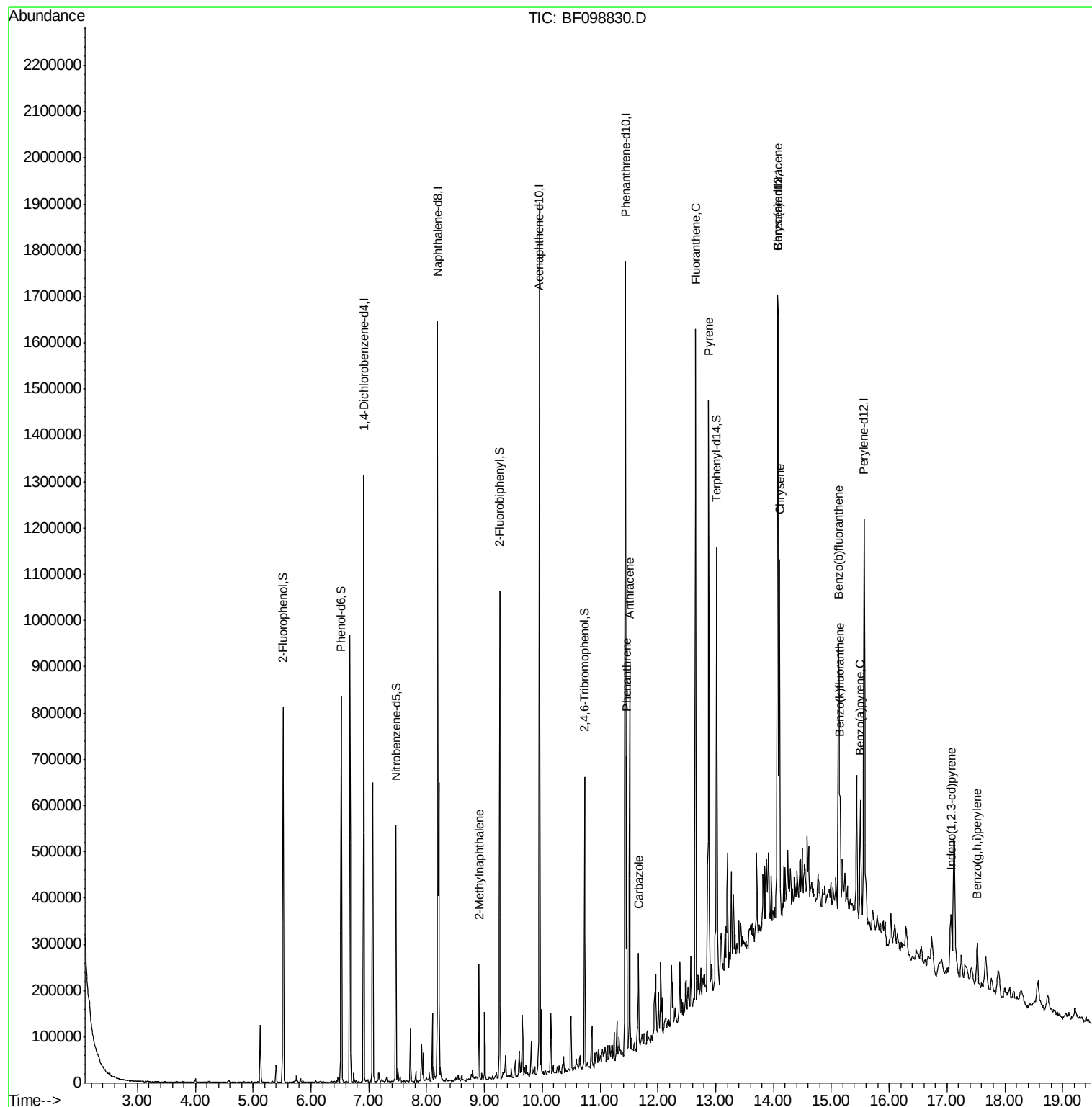
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092617\
Data File : BF098830.D
Acq On : 26 Sep 2017 14:16
Operator : SJ/JU
Sample : I5363-11 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

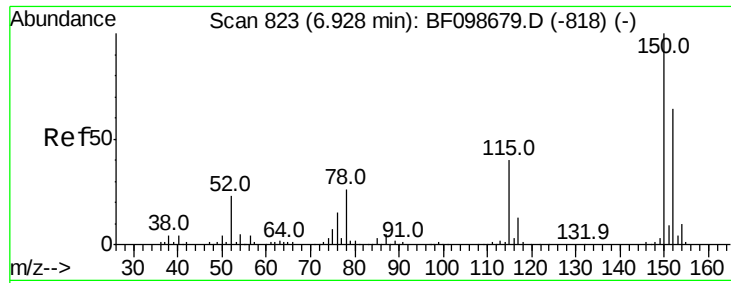
Instrument :
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#1

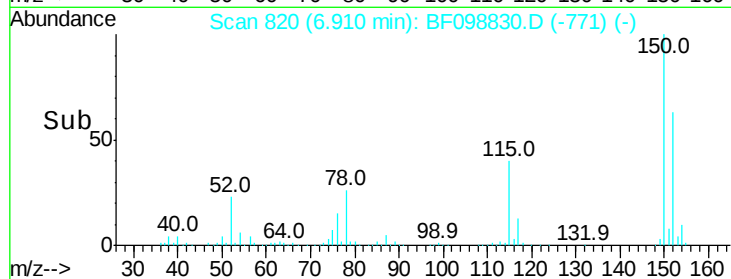
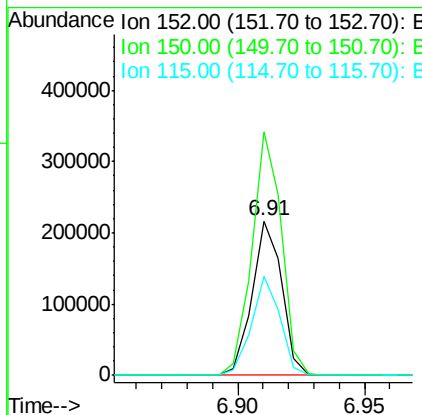
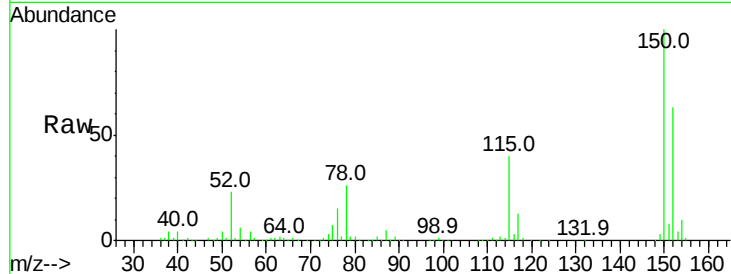
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.91 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: BF098830.D
 Acq: 26 Sep 2017 14:16

Instrument :
 BNA_F
 ClientSampleId :
 SP-3-F-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.6	186.8
115	63.8	50.1	75.1

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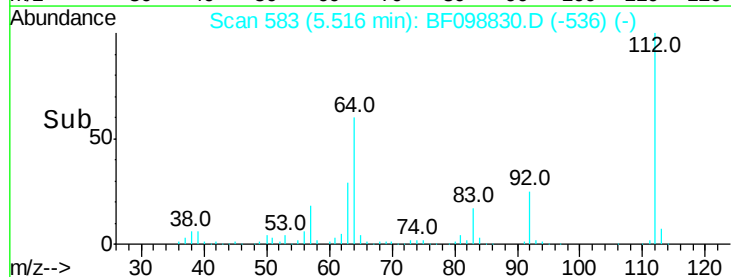
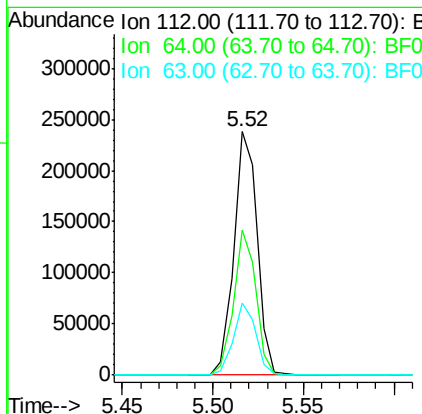
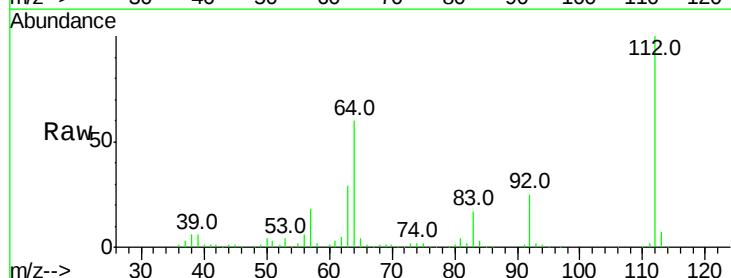
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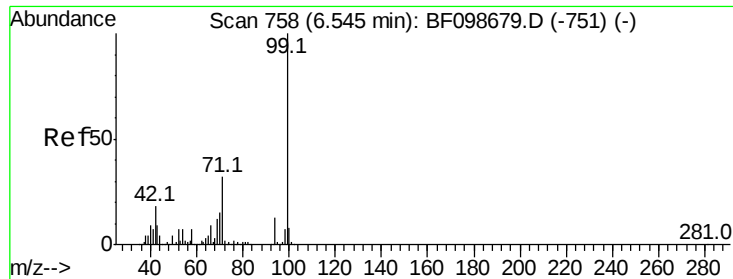


#5

2-Fluorophenol
 Concen: 19.261 ng
 RT: 5.52 min Scan# 583
 Delta R.T. -0.02 min
 Lab File: BF098830.D
 Acq: 26 Sep 2017 14:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	47.9	71.9
63	29.4	23.7	35.5





#7

Phenol-d6

Concen: 19.389 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.02 min

Lab File: BF098830.D

Acq: 26 Sep 2017 14:16

Instrument :

BNA_F

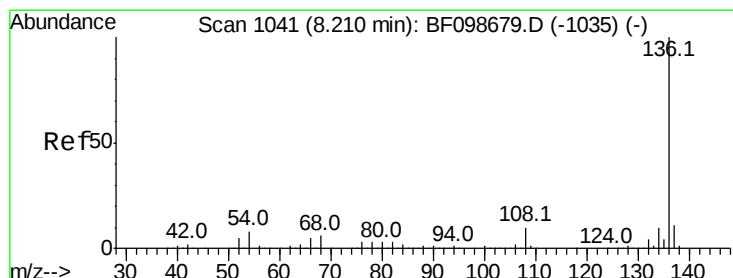
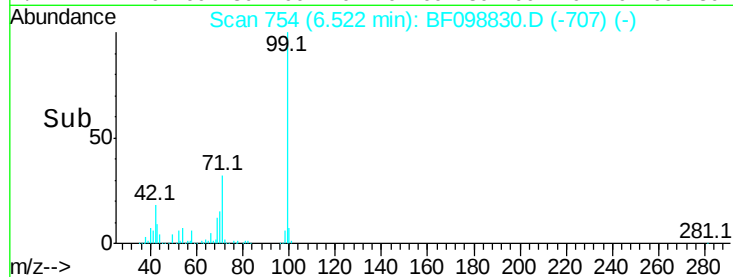
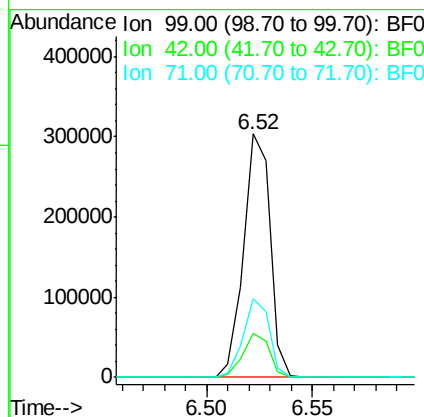
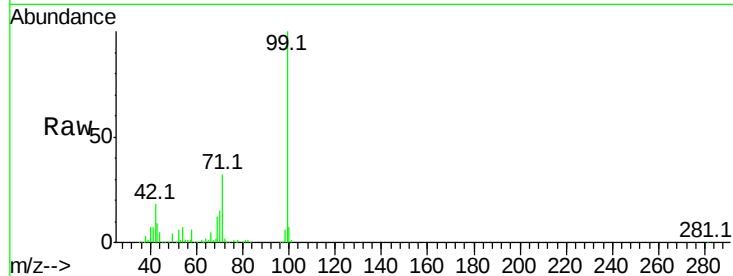
ClientSampleId :

SP-3-F-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		264316		
42	18.1	14.5	21.7		
71	32.3	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

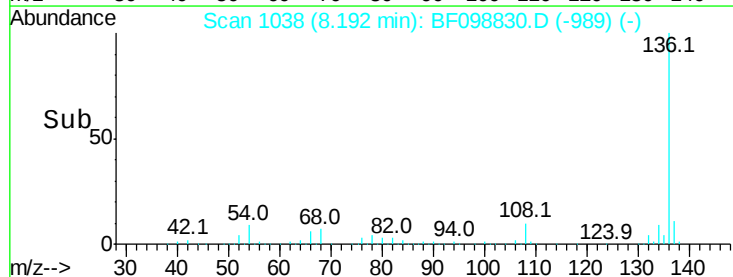
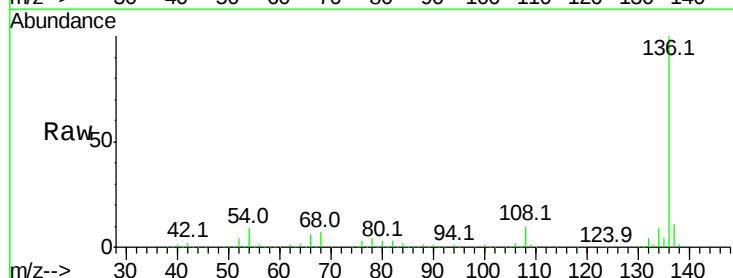
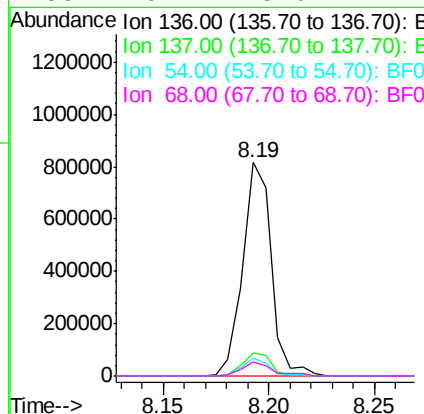
RT: 8.19 min Scan# 1038

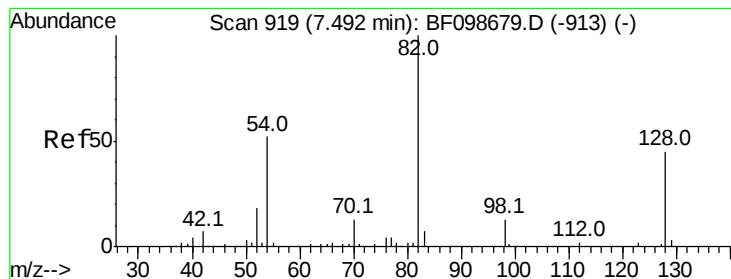
Delta R.T. -0.01 min

Lab File: BF098830.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		762636		
137	11.0	8.9	13.3		
54	8.5	6.6	9.8		
68	6.7	5.0	7.4		





#23

Nitrobenzene-d5

Concen: 13.028 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.02 min

Lab File: BF098830.D

Acq: 26 Sep 2017 14:16

Instrument :

BNA_F

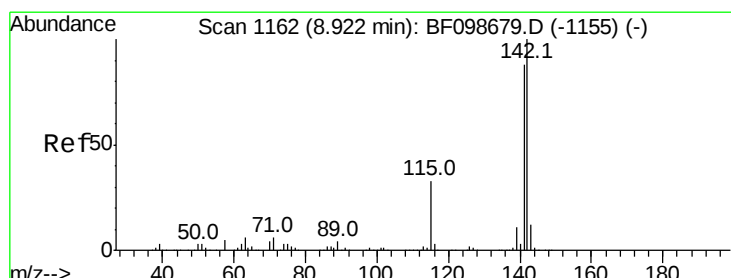
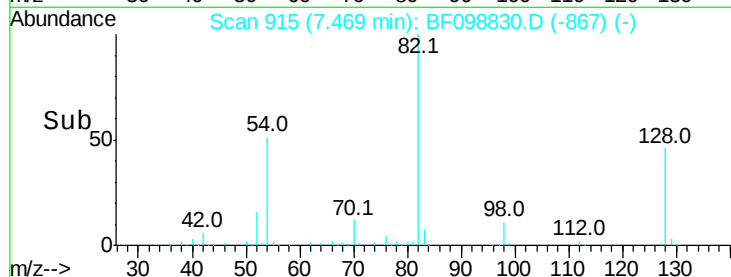
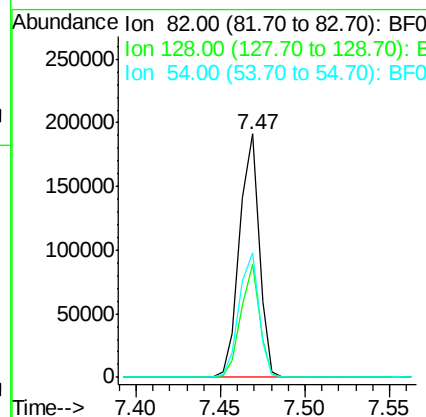
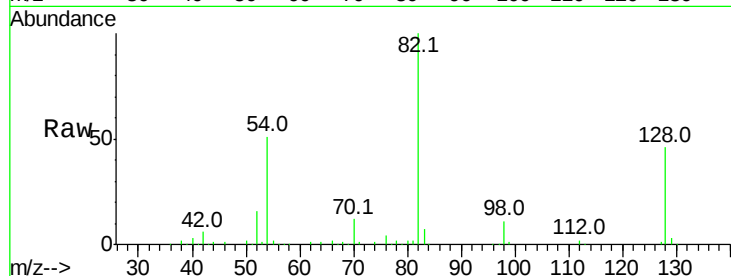
ClientSampled :

SP-3-F-COMP

Tot Ion:	82	Resp:	154929
Ion Ratio	Lower	Upper	
82	100		
128	46.3	36.1	54.1
54	51.3	41.4	62.2

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#37

2-Methylnaphthalene

Concen: 2.360 ng

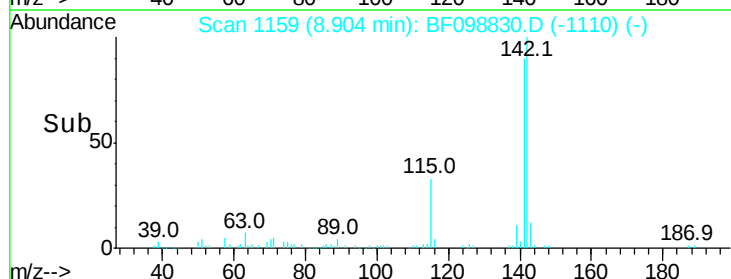
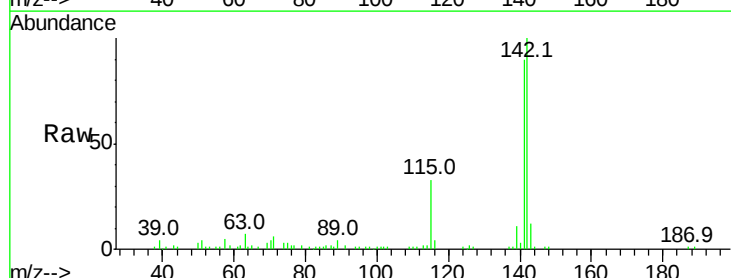
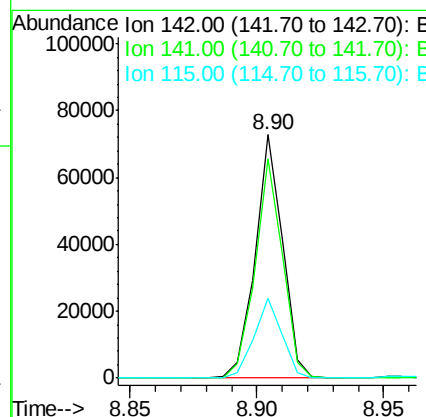
RT: 8.90 min Scan# 1159

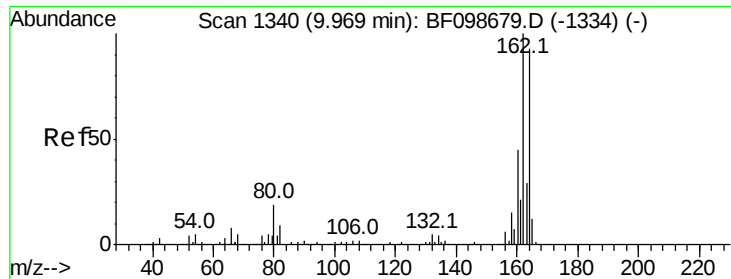
Delta R.T. -0.01 min

Lab File: BF098830.D

Acq: 26 Sep 2017 14:16

Tgt Ion:	142	Resp:	54941
Ion Ratio	Lower	Upper	
142	100		
141	90.2	70.8	106.2
115	32.9	26.1	39.1





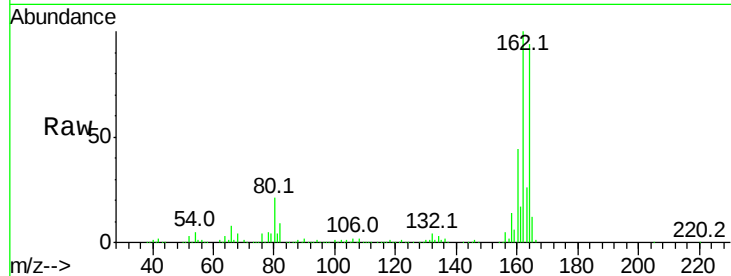
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098830.D
Acq: 26 Sep 2017 14:16

Instrument :
BNA_F
ClientSampleId :
SP-3-F-COMP

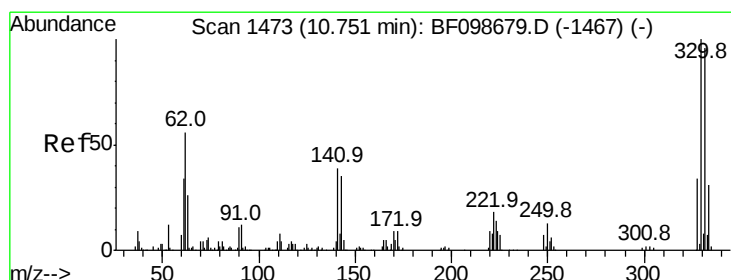
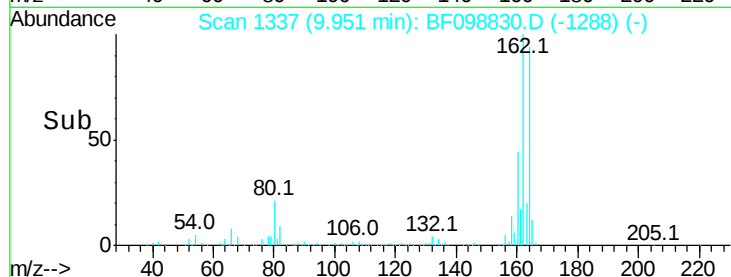
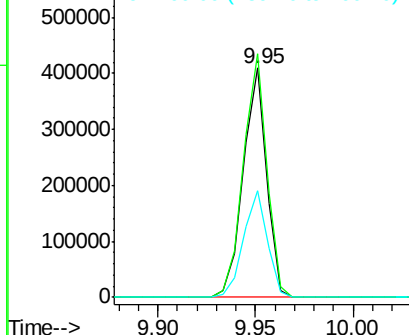
Tot Ion	Ratio	Resp	Lower	Upper
164	100	339226		
162	106.3	86.1	129.1	
160	46.4	38.3	57.5	

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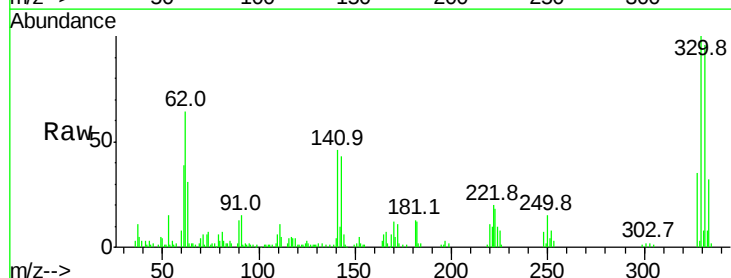


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

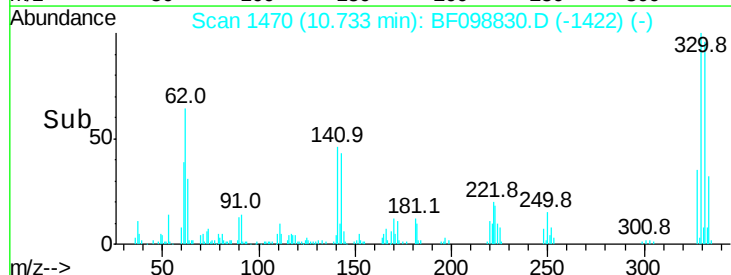
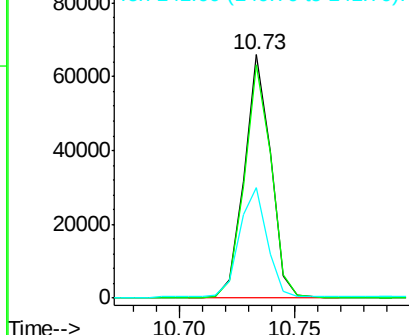


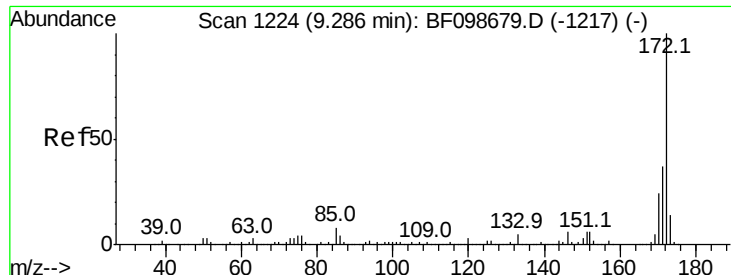
#41
2,4,6-Tribromophenol
Concen: 19.085 ng
RT: 10.73 min Scan# 1470
Delta R.T. -0.02 min
Lab File: BF098830.D
Acq: 26 Sep 2017 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	52976		
332	96.9	77.0	115.6	
141	50.4	29.9	44.9#	



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





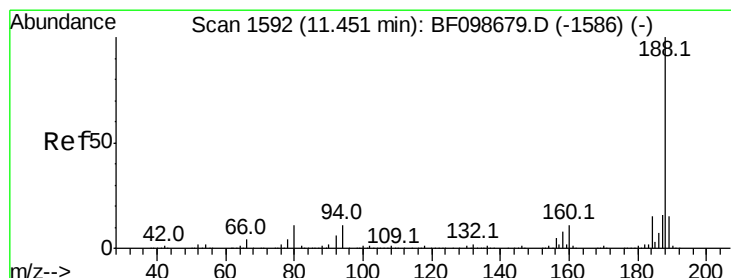
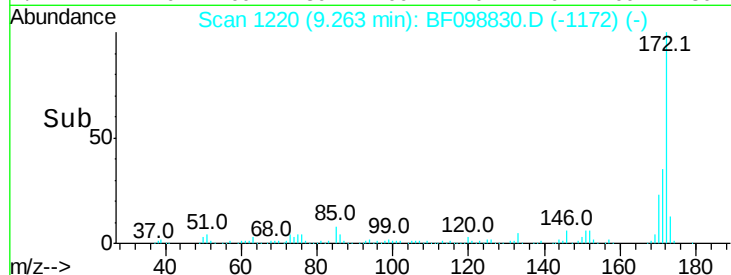
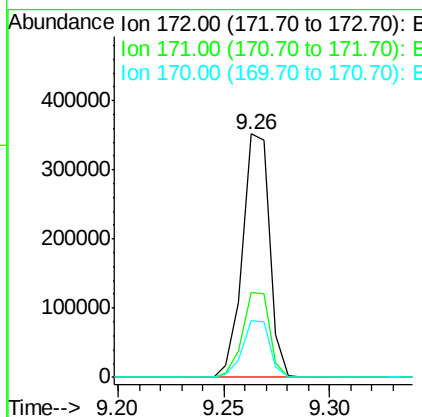
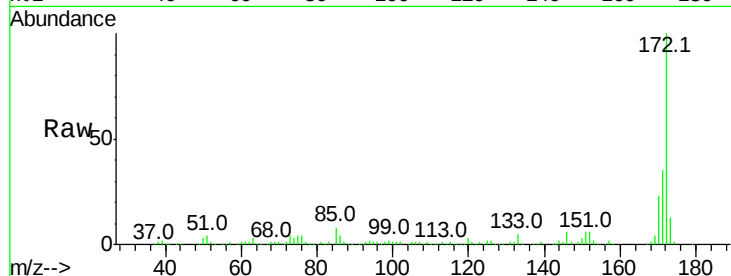
#44
 2-Fluorobiphenyl
 Concen: 15.403 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.02 min
 Lab File: BF098830.D
 Acq: 26 Sep 2017 14:16

Instrument :
 BNA_F
 ClientSampleId :
 SP-3-F-COMP

Tot Ion:	172	Resp:	312988
Ion Ratio	Lower	Upper	
172	100		
171	34.9	29.7	44.5
170	23.3	19.6	29.4

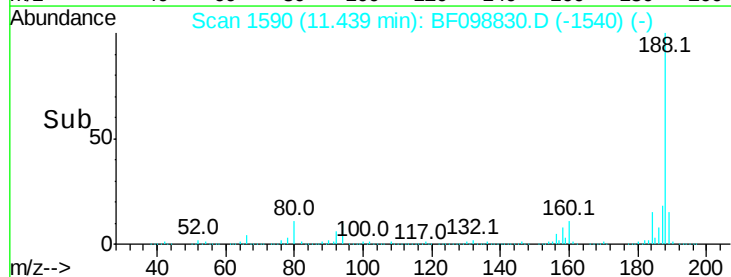
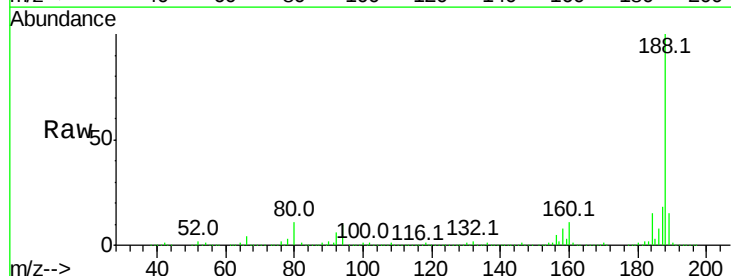
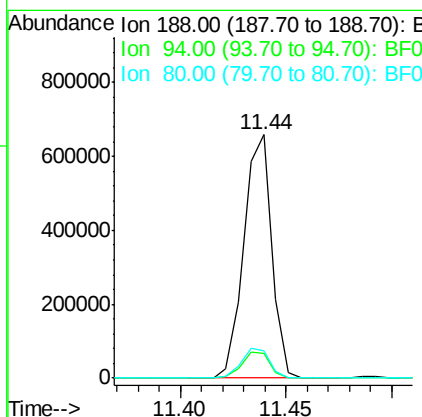
Manual Integrations
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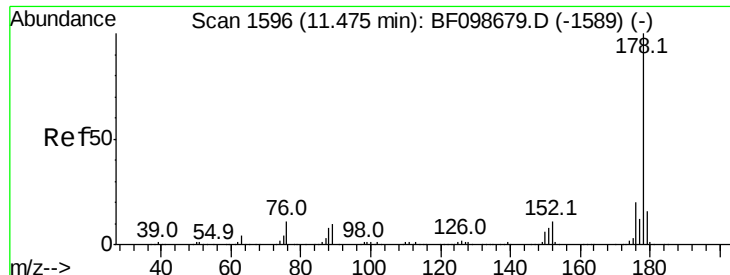
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098830.D
 Acq: 26 Sep 2017 14:16

Tgt Ion:	188	Resp:	603493
Ion Ratio	Lower	Upper	
188	100		
94	10.4	8.5	12.7
80	11.0	9.2	13.8





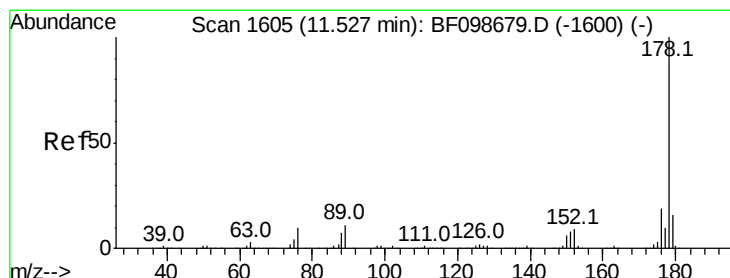
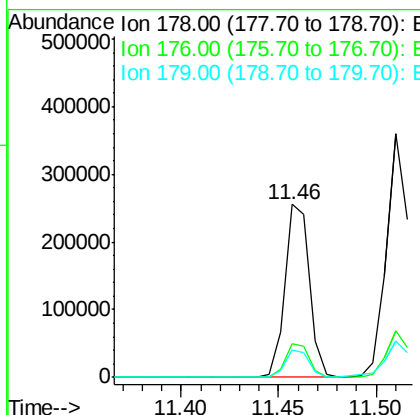
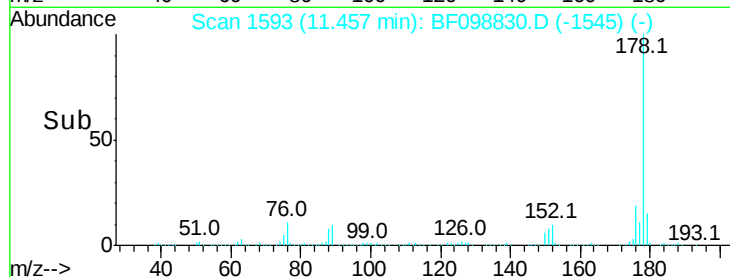
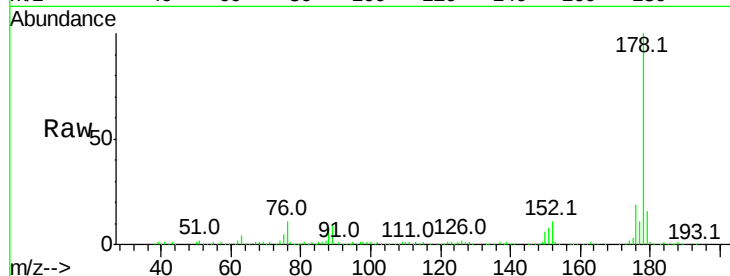
#70
Phenanthrene
Concen: 6.876 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.02 min
Lab File: BF098830.D
Acq: 26 Sep 2017 14:16

Instrument :
BNA_F
ClientSampleId :
SP-3-F-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.6	13.0	19.6

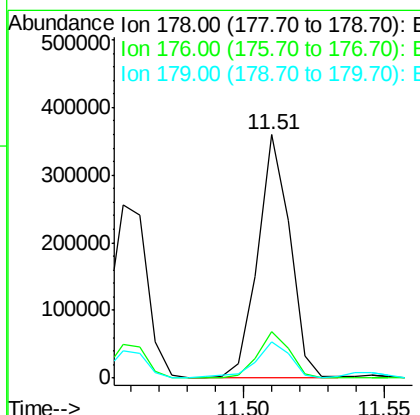
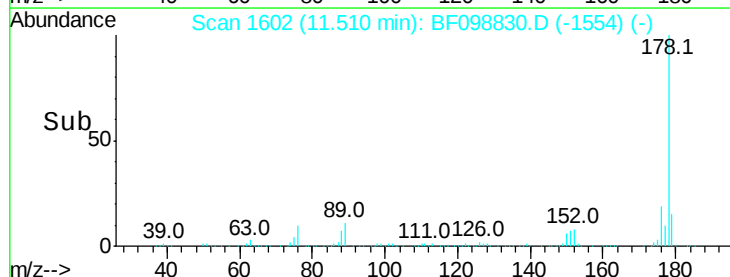
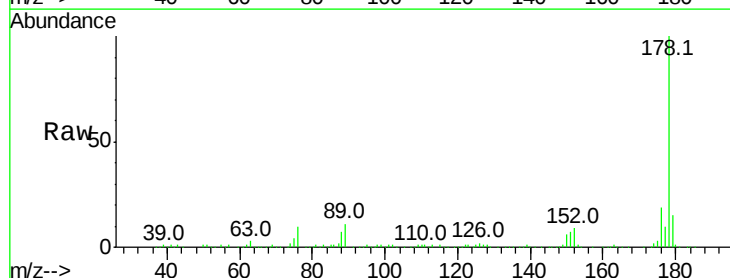
Manual Integrations
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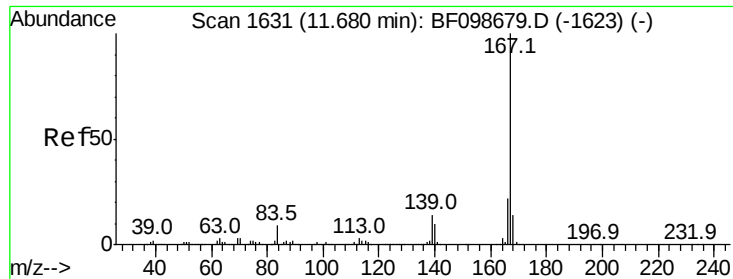
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#71
Anthracene
Concen: 8.556 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.02 min
Lab File: BF098830.D
Acq: 26 Sep 2017 14:16

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.0	12.6	19.0





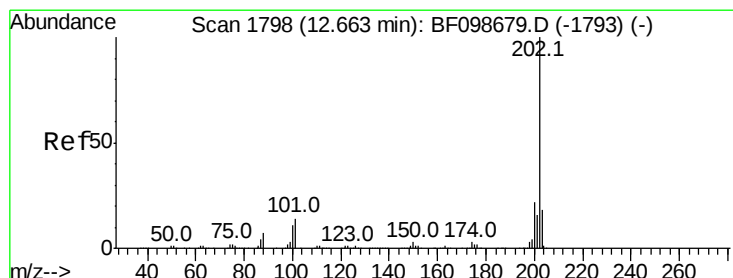
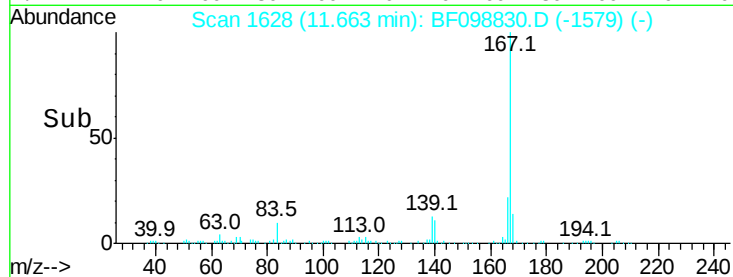
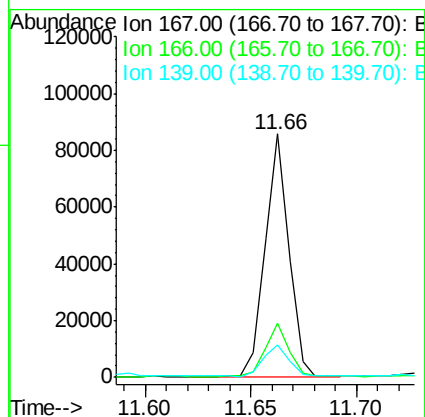
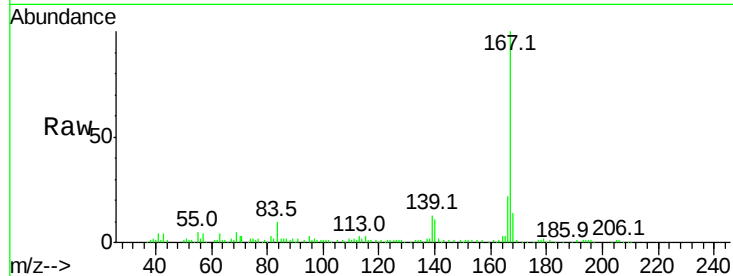
#72
 Carbazole
 Concen: 2.104 ng
 RT: 11.66 min Scan# 1628
 Delta R.T. -0.01 min
 Lab File: BF098830.D
 Acq: 26 Sep 2017 14:16

Instrument :
 BNA_F
 ClientSampleId :
 SP-3-F-COMP

Tot Ion:	167	Resp:	68104
Ion Ratio	Lower	Upper	
167	100		
166	22.3	17.6	26.4
139	13.5	10.9	16.3

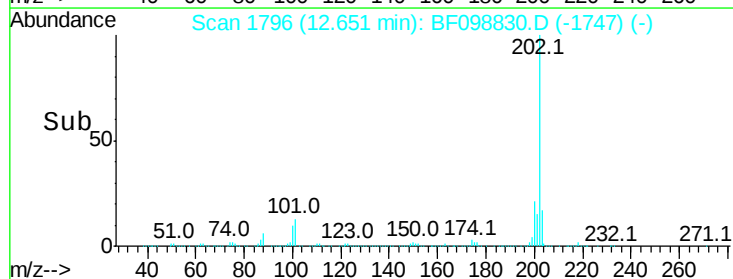
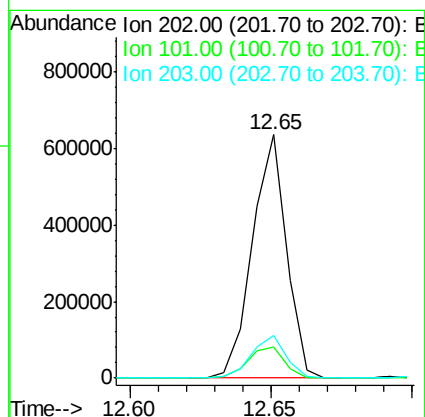
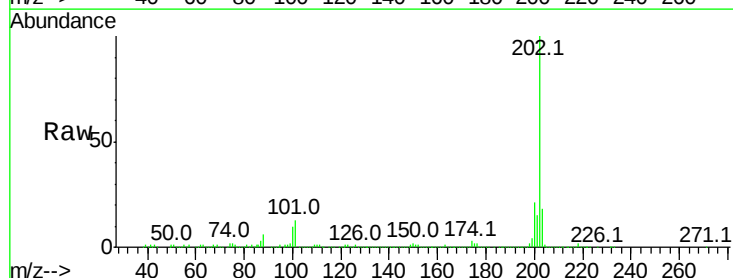
Manual Integrations
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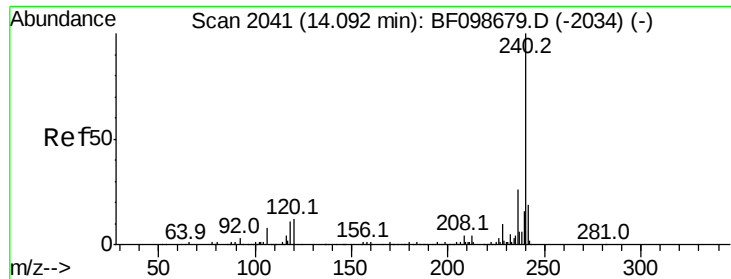
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#74
 Fluoranthene
 Concen: 16.221 ng
 RT: 12.65 min Scan# 1796
 Delta R.T. -0.01 min
 Lab File: BF098830.D
 Acq: 26 Sep 2017 14:16

Tgt Ion:	202	Resp:	530588
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	34.1
203	17.6	0.0	38.1





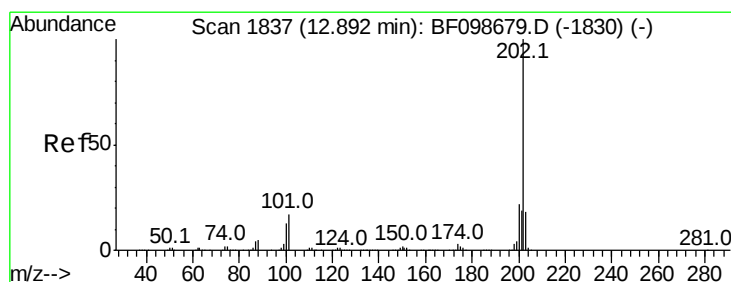
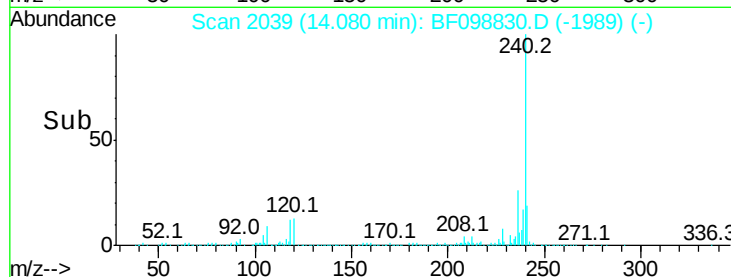
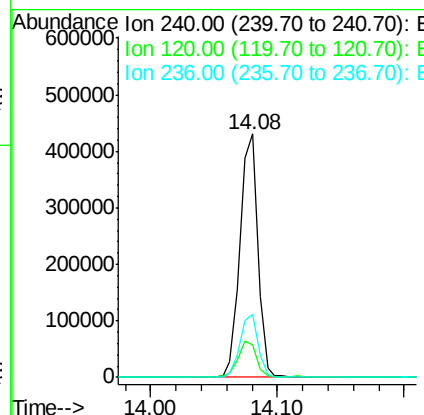
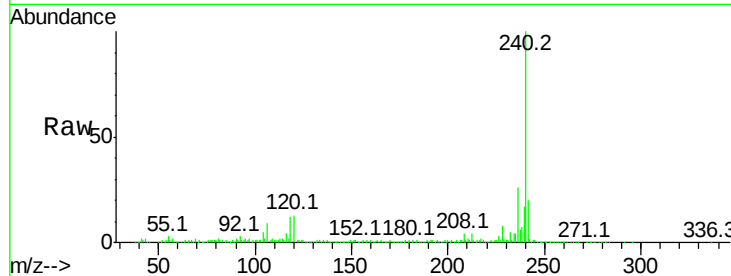
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF098830.D
Acq: 26 Sep 2017 14:16

Instrument :
BNA_F
ClientSampleId :
SP-3-F-COMP

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	13.2	9.5	14.3	
236	25.9	20.7	31.1	

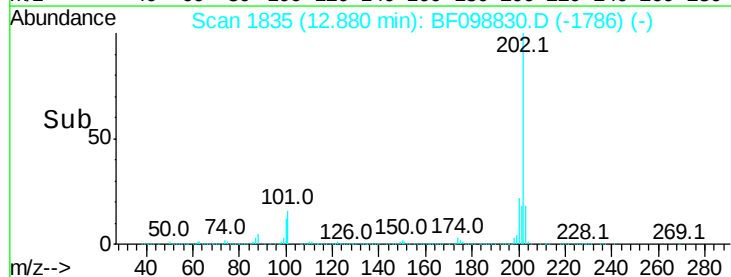
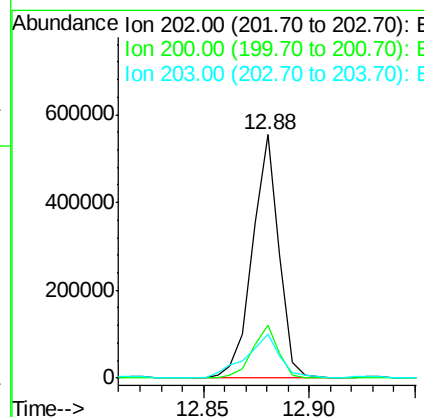
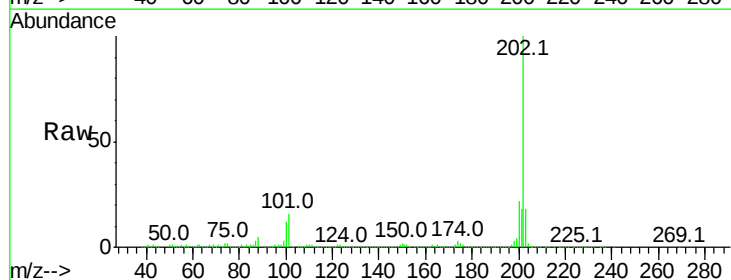
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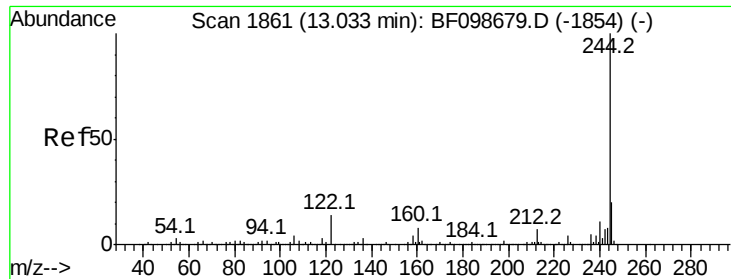
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#77
Pyrene
Concen: 15.179 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BF098830.D
Acq: 26 Sep 2017 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.7	17.4	26.2	
203	18.0	14.3	21.5	





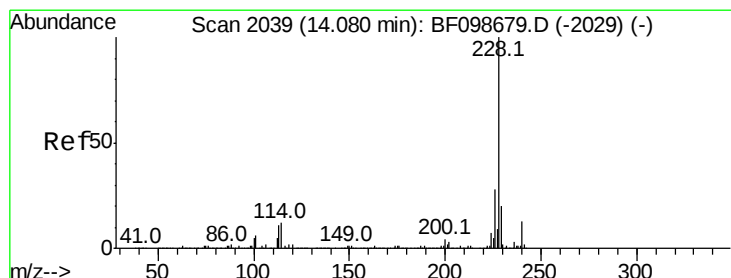
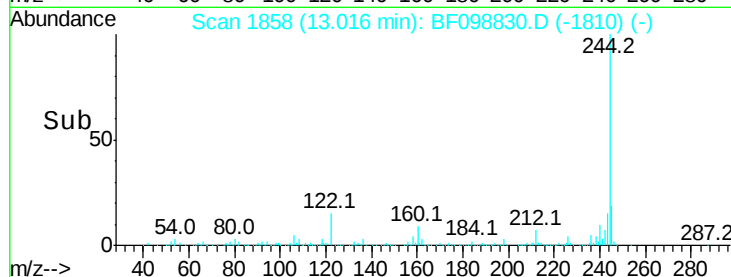
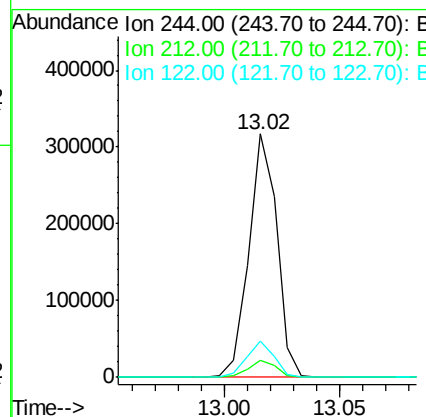
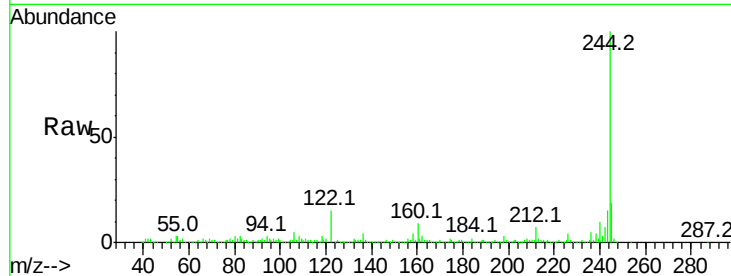
#78
 Terphenyl-d14
 Concen: 14.769 ng
 RT: 13.02 min Scan# 1858
 Delta R.T. -0.02 min
 Lab File: BF098830.D
 Acq: 26 Sep 2017 14:16

Instrument :
 BNA_F
 ClientSampleId :
 SP-3-F-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	15.1	11.0	16.4

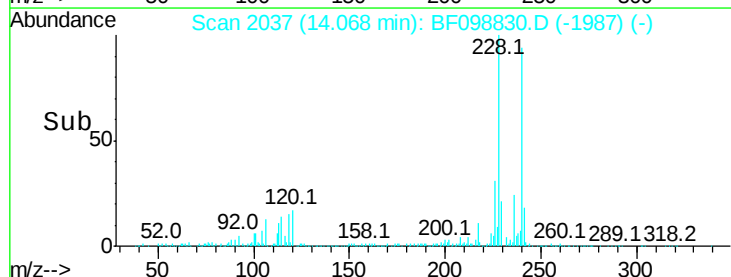
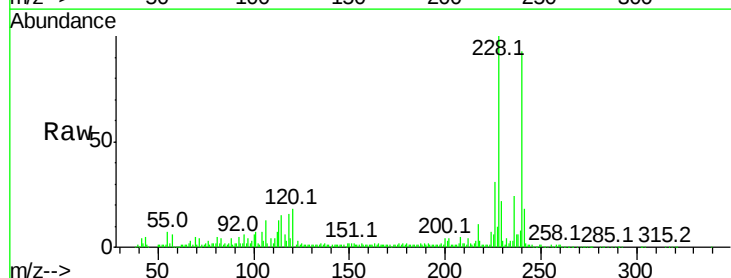
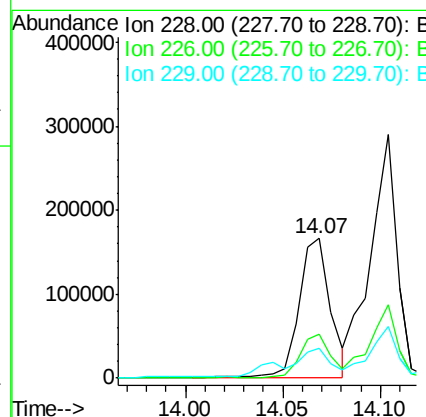
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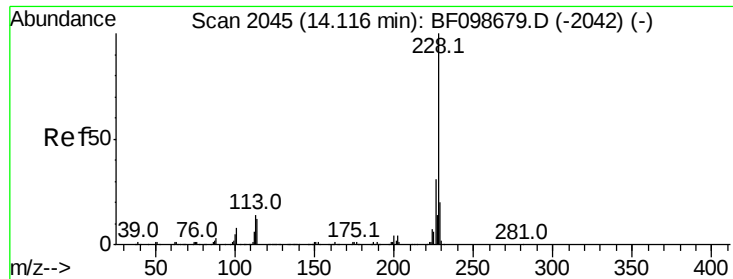
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#80
 Benzo(a)anthracene
 Concen: 7.301 ng
 RT: 14.07 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: BF098830.D
 Acq: 26 Sep 2017 14:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.6	33.8
229	21.8	15.8	23.6





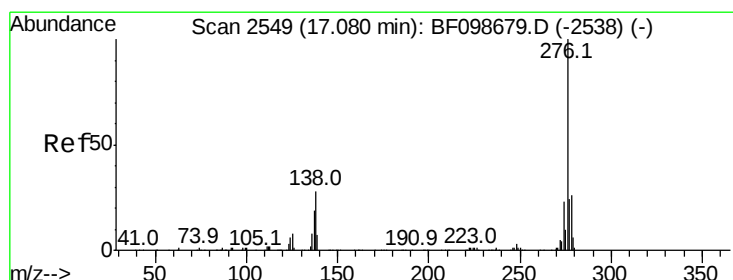
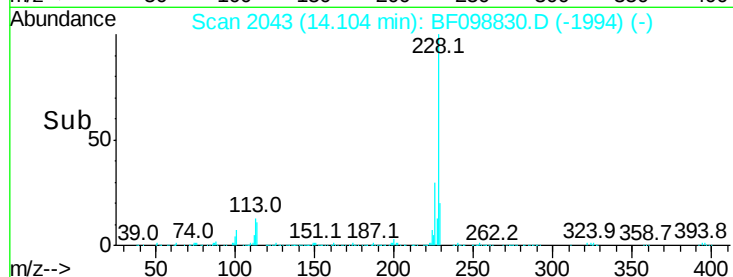
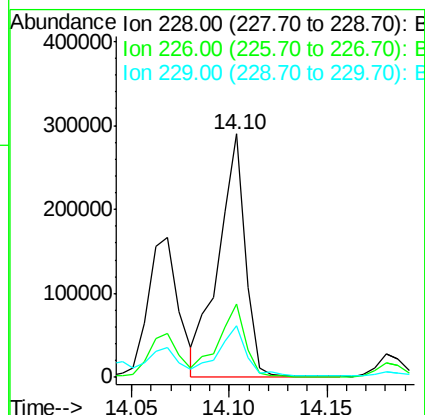
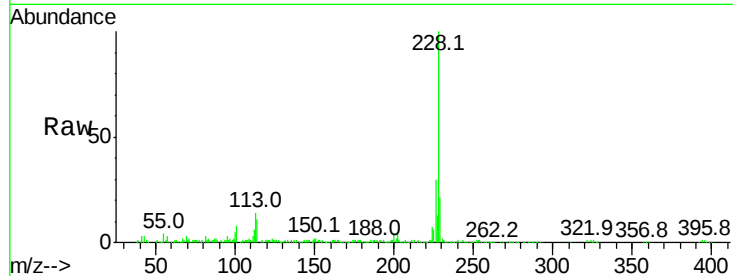
#82
Chrysene
Concen: 11.488 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF098830.D
Acq: 26 Sep 2017 14:16

Instrument :
BNA_F
ClientSampled :
SP-3-F-COMP

Tot Ion:	228	Resp:	275178
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.0	37.6
229	21.2	16.2	24.4

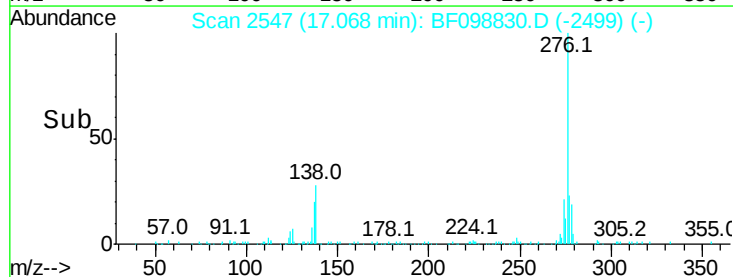
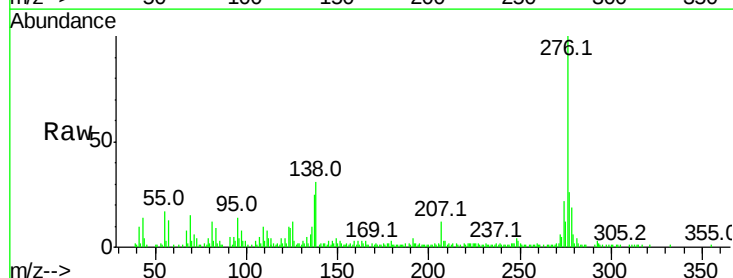
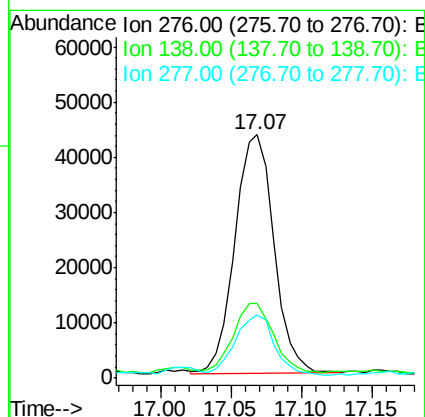
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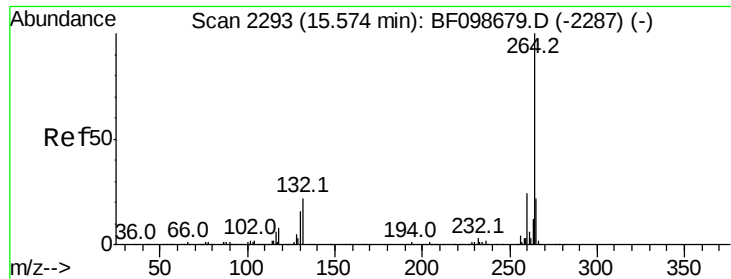
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.369 ng
RT: 17.07 min Scan# 2547
Delta R.T. -0.02 min
Lab File: BF098830.D
Acq: 26 Sep 2017 14:16

Tgt Ion:	276	Resp:	83722
Ion Ratio	Lower	Upper	
276	100		
138	31.6	25.0	37.6
277	25.1	20.1	30.1





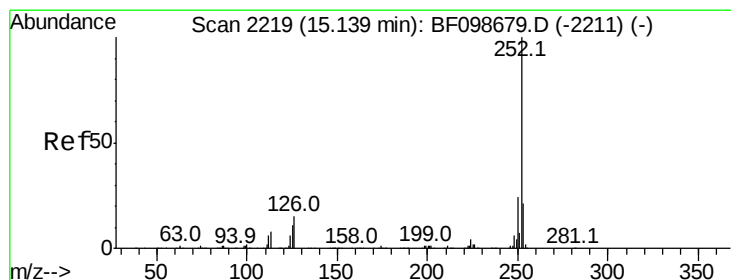
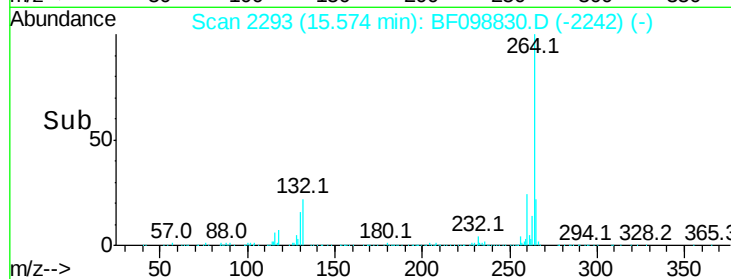
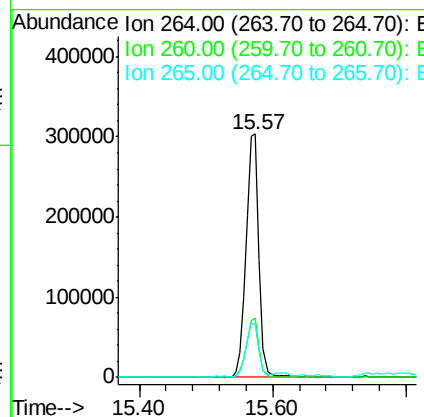
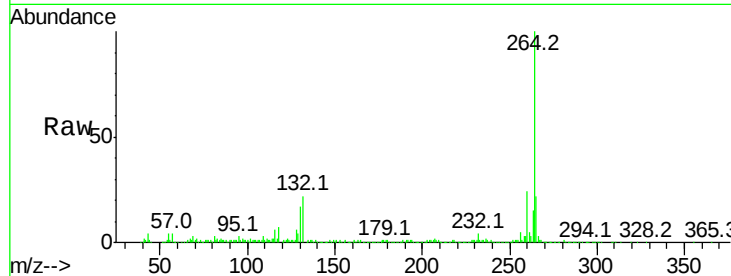
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: BF098830.D
Acq: 26 Sep 2017 14:16

Instrument :
BNA_F
ClientSampleId :
SP-3-F-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.8	17.5	26.3

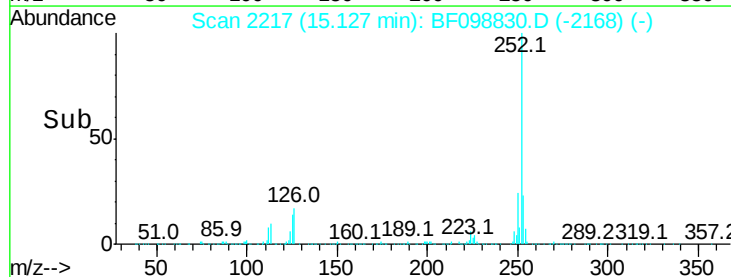
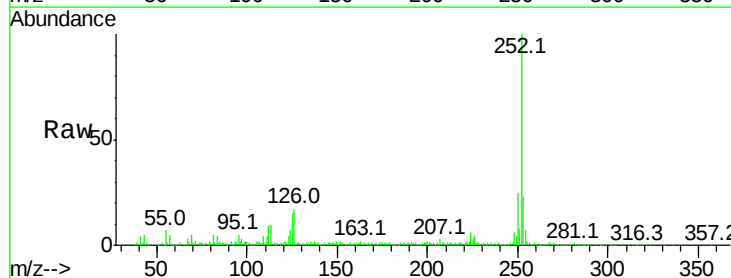
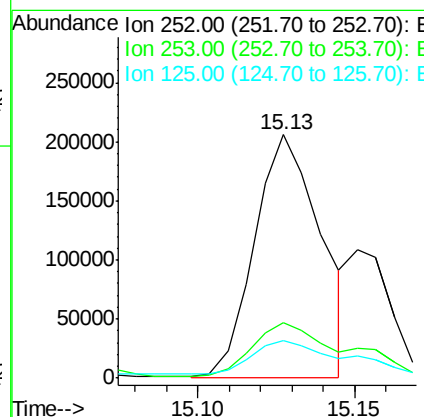
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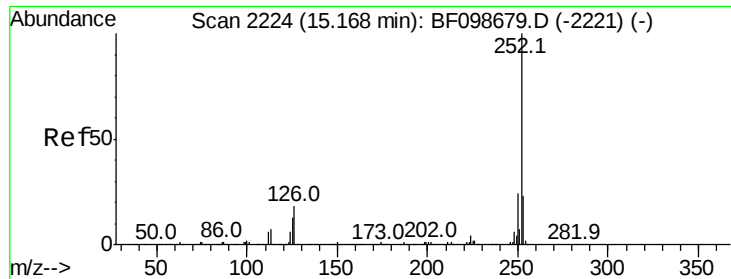
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#87
Benzo(b)fluoranthene
Concen: 12.064 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF098830.D
Acq: 26 Sep 2017 14:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	15.3	9.0	13.6#





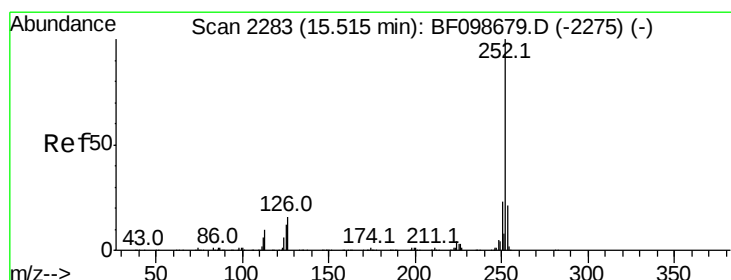
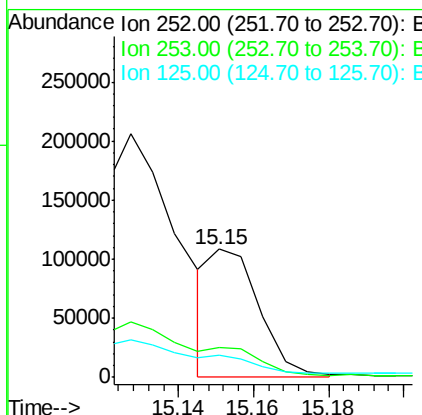
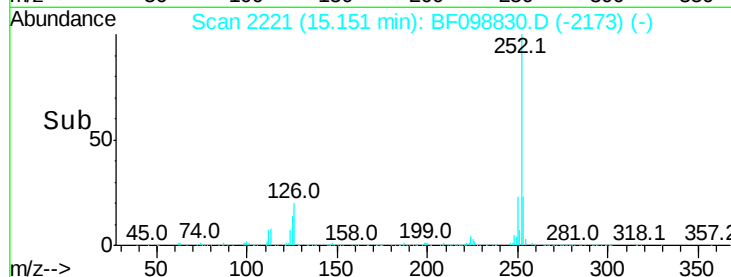
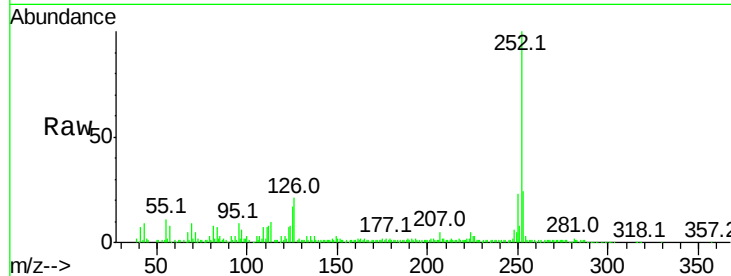
#88
Benzo(k)fluoranthene
Concen: 4.002 ng m
RT: 15.15 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF098830.D
Acq: 26 Sep 2017 14:16

Instrument :
BNA_F
ClientSampled :
SP-3-F-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	17.0	10.2	15.2

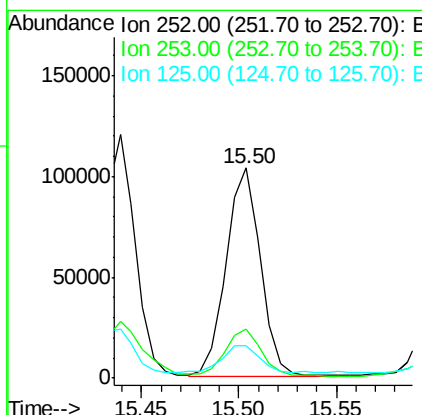
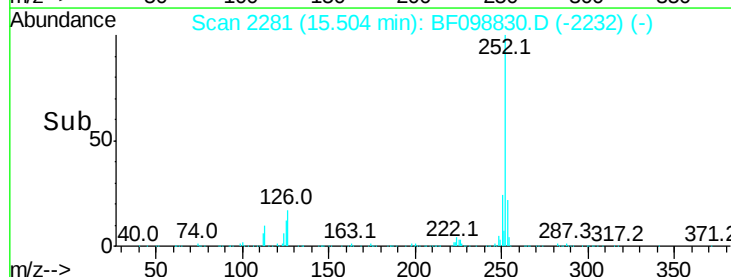
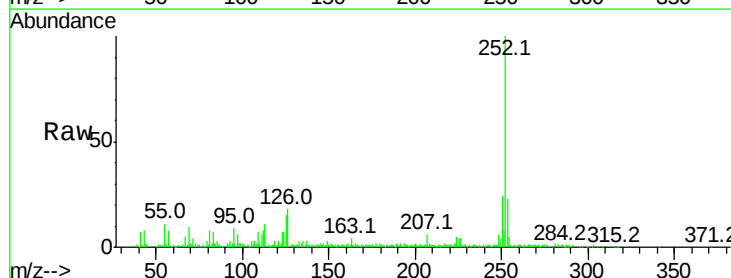
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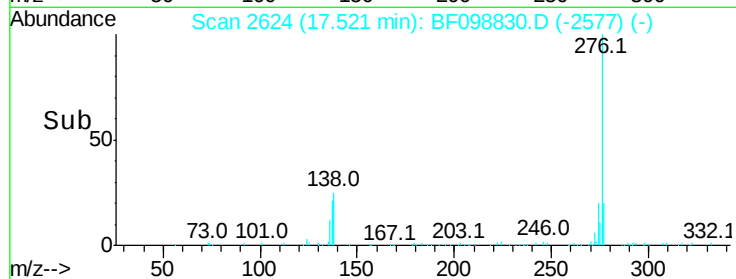
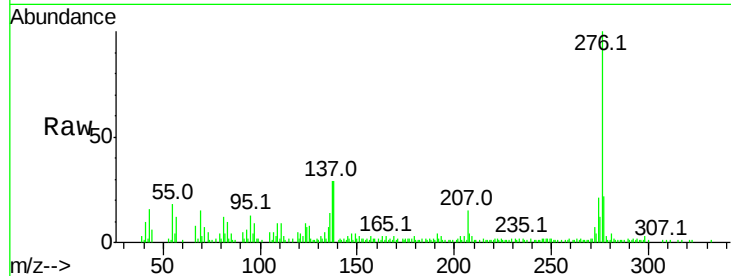
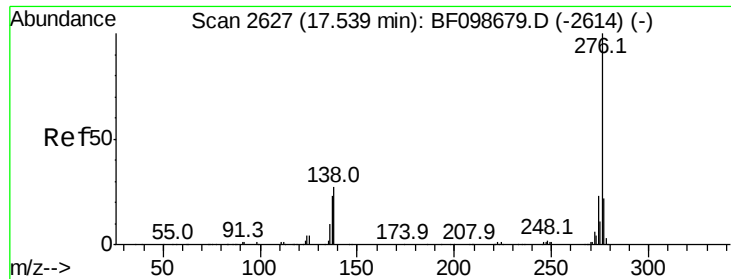
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#89
Benzo(a)pyrene
Concen: 5.409 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF098830.D
Acq: 26 Sep 2017 14:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	15.3	9.8	14.6





#91
Benzo(a,h,i)perylene
Concen: 4.038 ng
RT: 17.52 min Scan# 2624
Delta R.T. -0.02 min
Lab File: BF098830.D
Acq: 26 Sep 2017 14:16

Instrument :
BNA_F
ClientSampleId :
SP-3-F-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.7	17.9	26.9
138	28.7	21.8	32.8

Manual Integrations
APPROVED

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