

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF08192.D
 Acq On : 31 Aug 2017 9:21
 Operator : SJ/JU
 Sample : I5006-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-10-COMP

Manual Integrations
 APPROVED

Sohil
 8/31/2017 7:13:43 PM

Quant Time: Aug 31 13:41:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	112814	20.00	ng	-0.02
21) Naphthalene-d8	8.01	136	395912	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	143918	20.00	ng	-0.03
63) Phenanthrene-d10	11.24	188	240435	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	207409	20.00	ng	-0.02
86) Perylene-d12	15.29	264	138846	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	936917	126.32	ng	0.00
7) Phenol-d6	6.37	99	1244568	123.50	ng	-0.01
23) Nitrobenzene-d5	7.29	82	718169	98.54	ng	-0.03
41) 2,4,6-Tribromophenol	10.55	330	157183	125.87	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	943198	96.29	ng	-0.02
78) Terphenyl-d14	12.83	244	670244	67.39	ng	-0.02
Target Compounds						
10) Phenol	6.38	94	45862	3.891	ng	96
49) Dimethylphthalate	9.48	163	154660	14.702	ng	97
70) Phenanthrene	11.26	178	194078	15.148	ng	98
71) Anthracene	11.32	178	58246	4.482	ng	99
74) Fluoranthene	12.45	202	439754	32.884	ng	99
77) Pyrene	12.68	202	426397	25.136	ng	98
80) Benzo(a)anthracene	13.87	228	211979	17.053	ng	97
82) Chrysene	13.90	228	191904	15.519	ng	98
83) Bis(2-ethylhexyl)phthalate	13.86	149	102659	14.244	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.66	276	73533	8.083	ng	# 88
87) Benzo(b)fluoranthene	14.89	252	181522m	20.741	ng	
88) Benzo(k)fluoranthene	14.92	252	72910m	8.867	ng	
89) Benzo(a)pyrene	15.23	252	132643	17.120	ng	99
90) Dibenzo(a,h)anthracene	16.67	278	19095	3.027	ng	# 82
91) Benzo(a,h,i)perylene	17.07	276	67220	10.213	ng	95

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

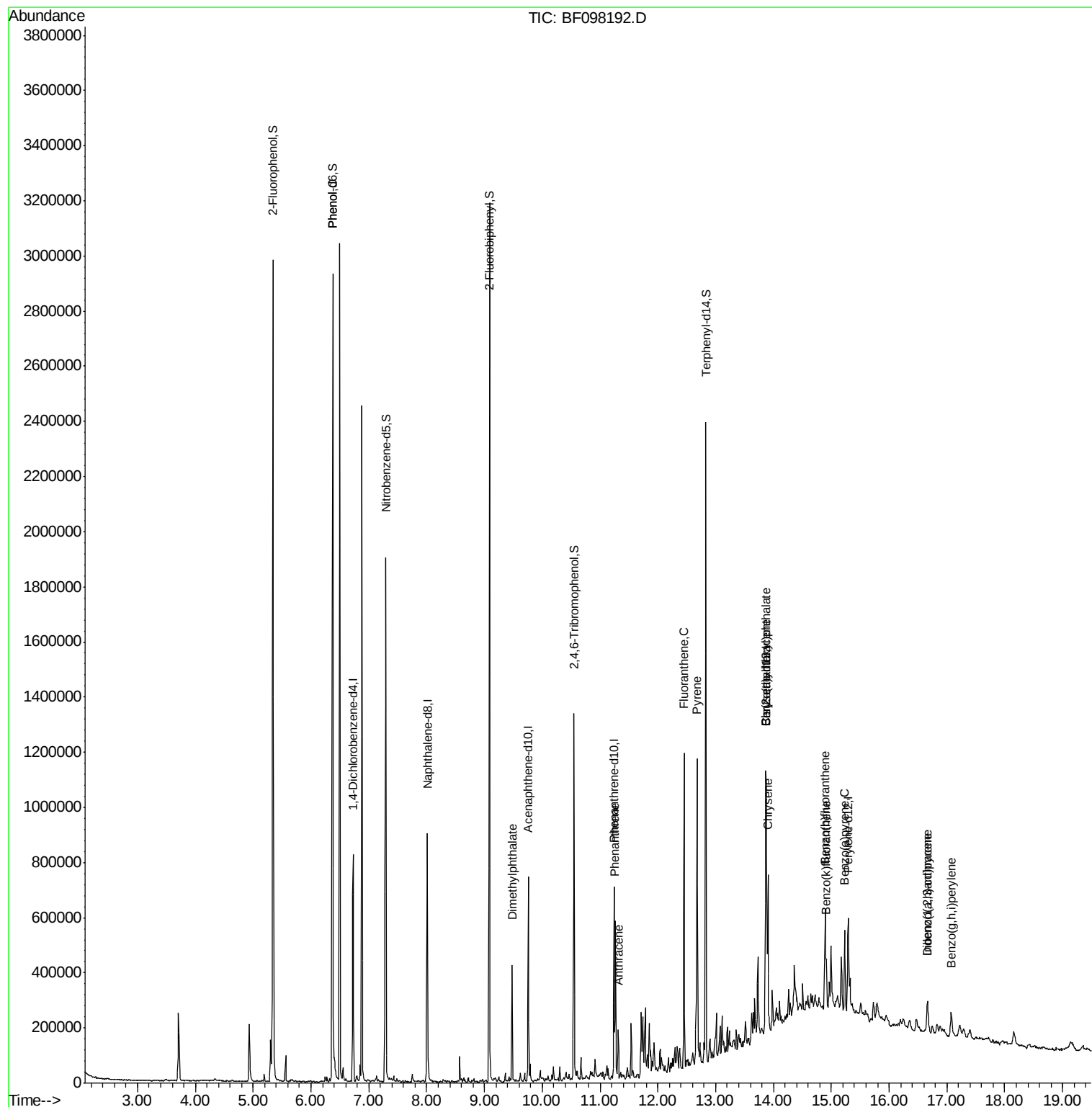
Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
Data File : BF098192.D
Acq On : 31 Aug 2017 9:21
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Sample : I5006-02
Misc :
ALS Vial : 33 Sample Multiplier: 1

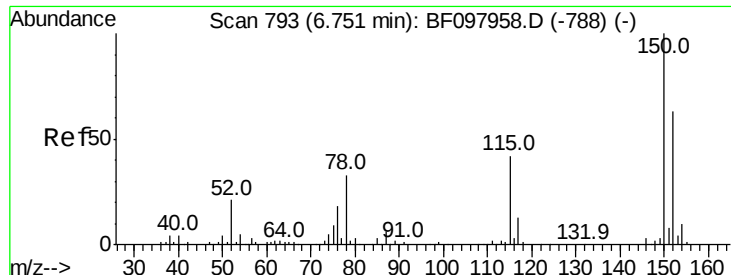
Instrument :
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#1

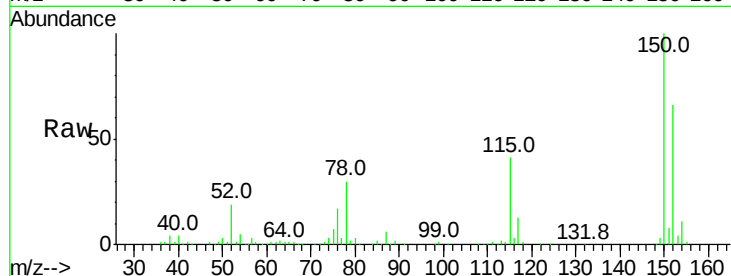
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.02 min
Lab File: BF098192.D
Acq: 31 Aug 2017 9:21

Instrument :
BNA_F
ClientSampleId :
SB-10-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.6	126.2	189.2
115	61.9	52.2	78.2

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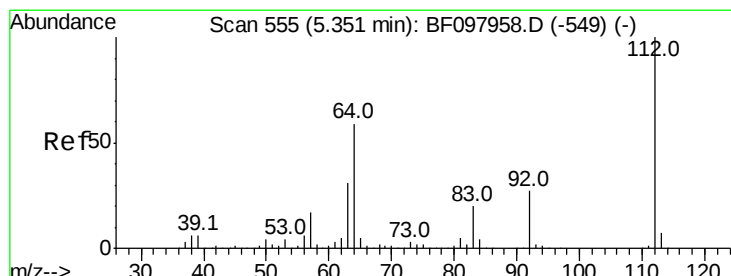
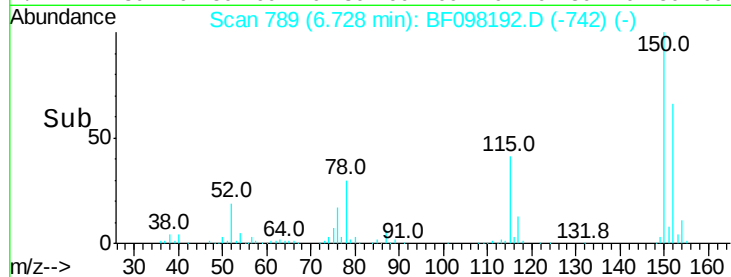
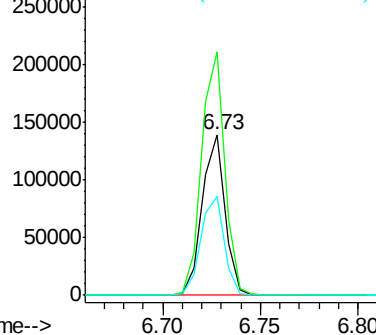


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

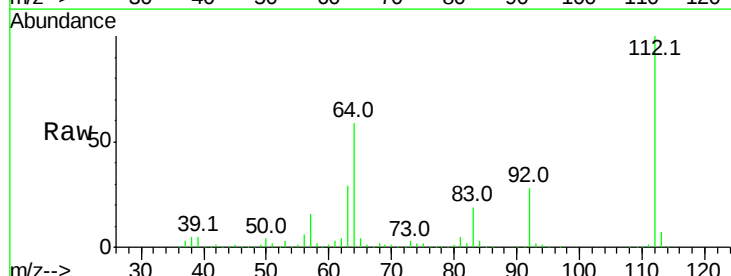
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 126.325 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF098192.D
Acq: 31 Aug 2017 9:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	46.0	69.0
63	29.2	23.4	35.0

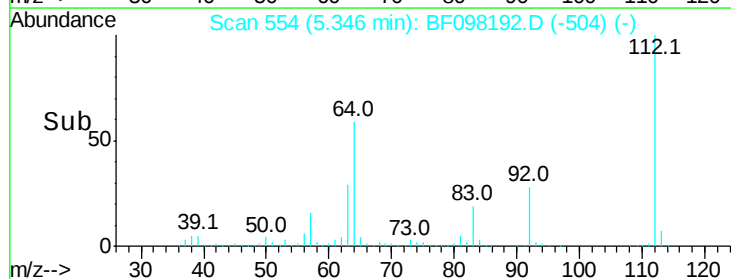
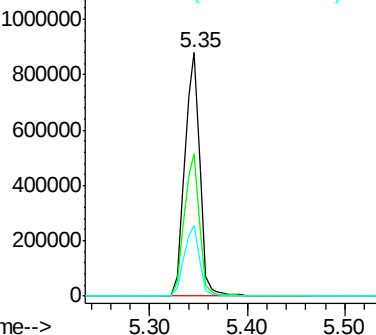


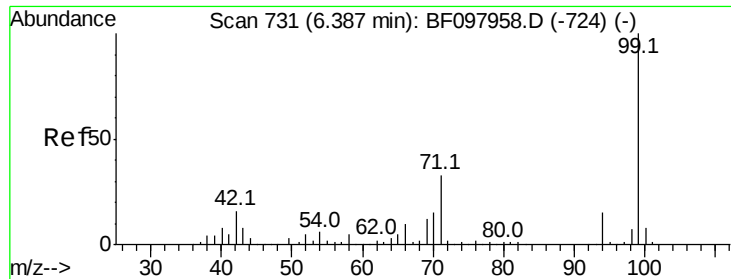
Abundance

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: 123.503 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF098192.D

Acq: 31 Aug 2017 9:21

Instrument :

BNA_F

ClientSampleId :

SB-10-COMP

Tot Ion: 99 Resp: 1244568

Ion Ratio Lower Upper

99 100

42 14.2 13.5 20.3

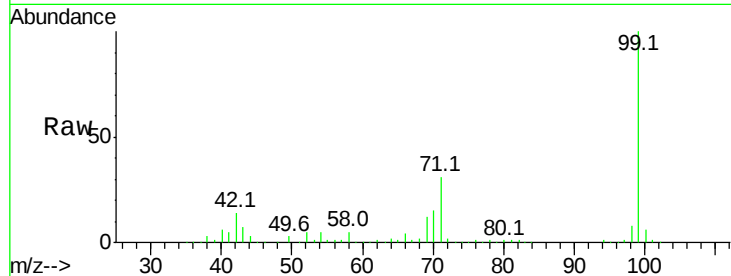
71 31.3 24.5 36.7

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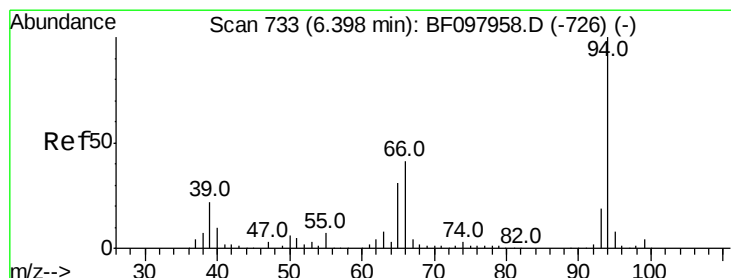
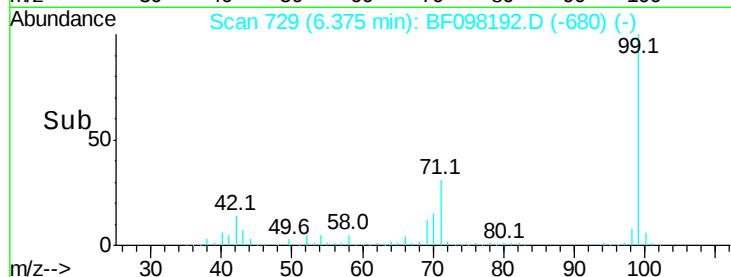
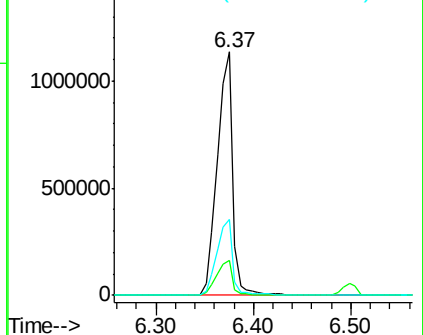
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.891 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF098192.D

Acq: 31 Aug 2017 9:21

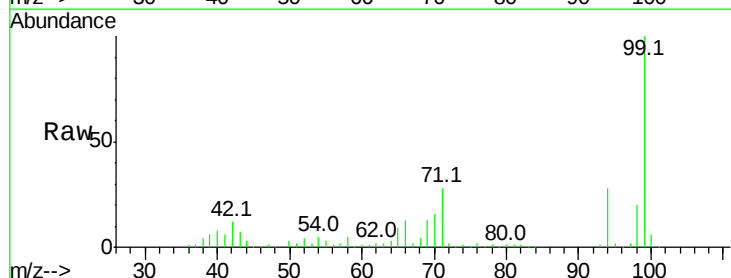
Tgt Ion: 94 Resp: 45862

Ion Ratio Lower Upper

94 100

65 30.9 9.9 49.9

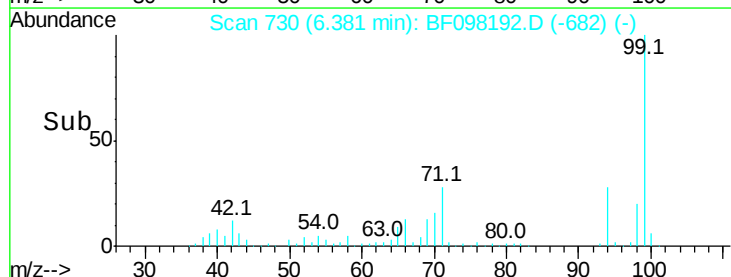
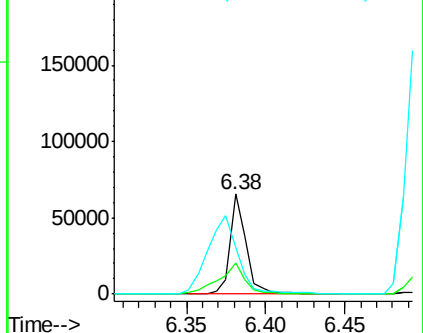
66 46.7 23.1 63.1

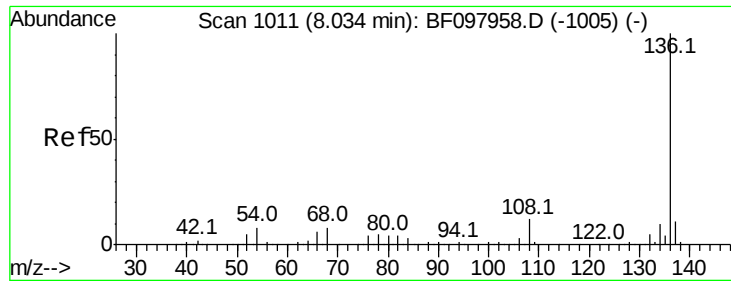


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





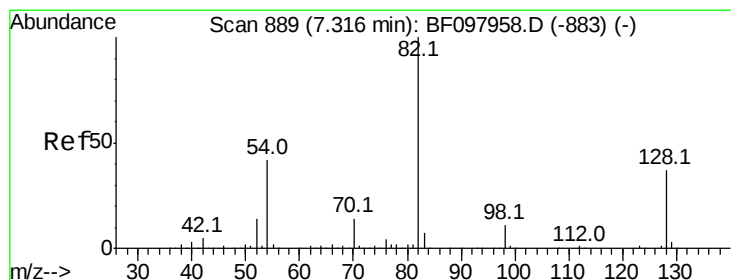
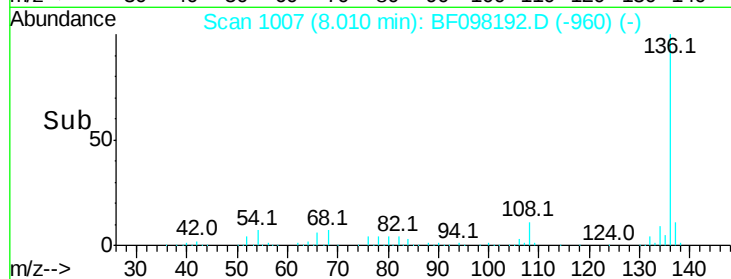
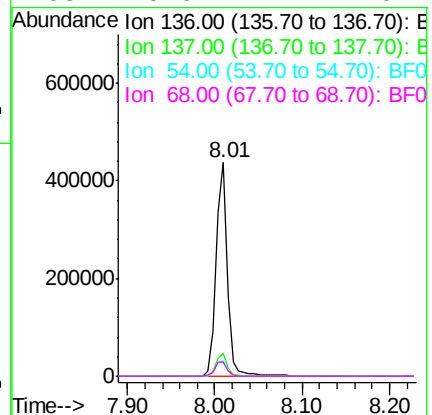
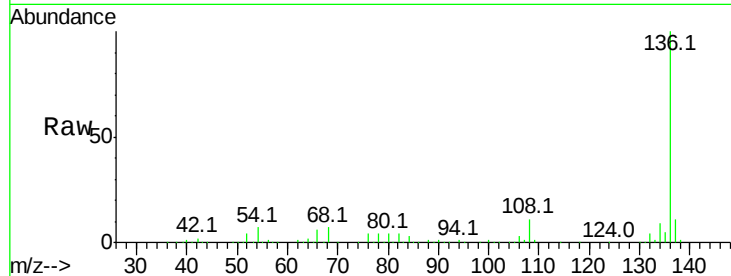
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.02 min
Lab File: BF098192.D
Acq: 31 Aug 2017 9:21

Instrument :
BNA_F
ClientSampleId :
SB-10-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.5	12.7	
54	7.2	4.9	7.3	
68	6.6	4.1	6.1	

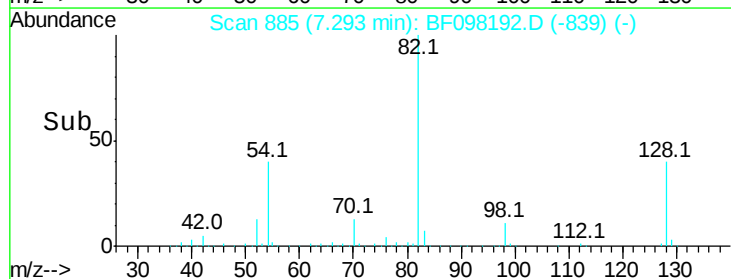
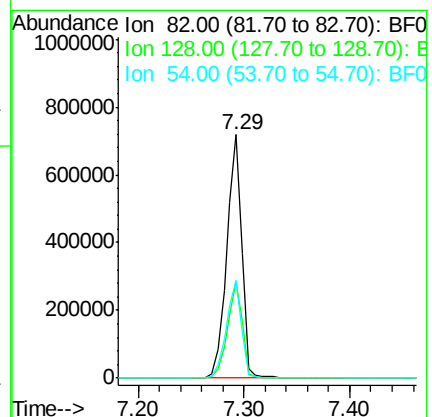
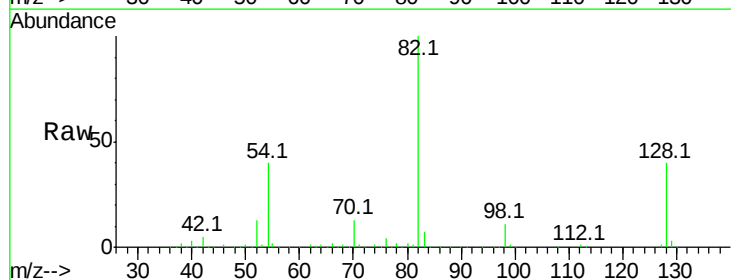
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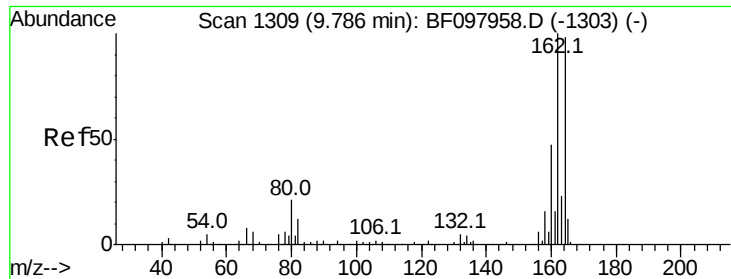
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#23
Nitrobenzene-d5
Concen: 98.543 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.03 min
Lab File: BF098192.D
Acq: 31 Aug 2017 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	39.6	34.0	51.0	
54	40.2	42.2	63.2	





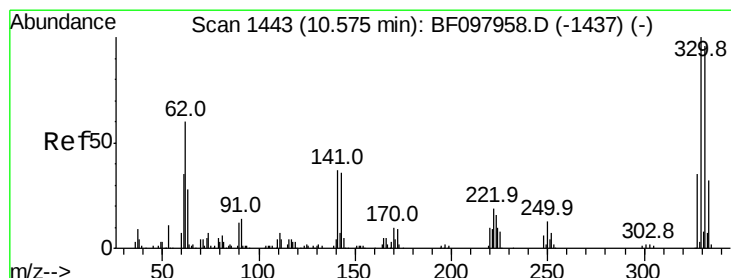
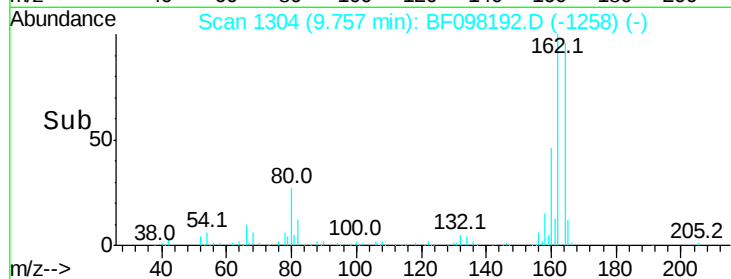
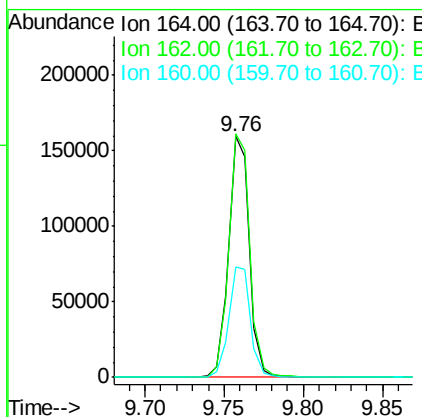
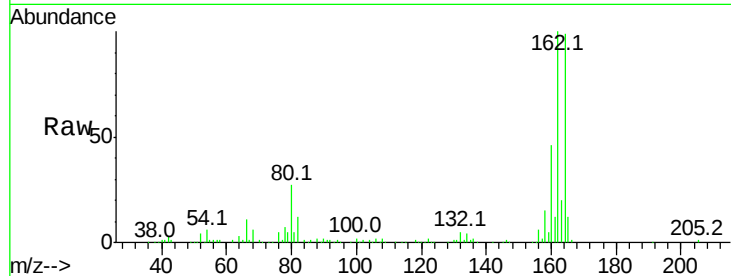
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.03 min
 Lab File: BF098192.D
 Acq: 31 Aug 2017 9:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-10-COMP

Tot Ion:	164	Resp:	143918
Ion Ratio	Lower	Upper	
164	100		
162	101.0	82.6	123.8
160	46.1	36.2	54.2

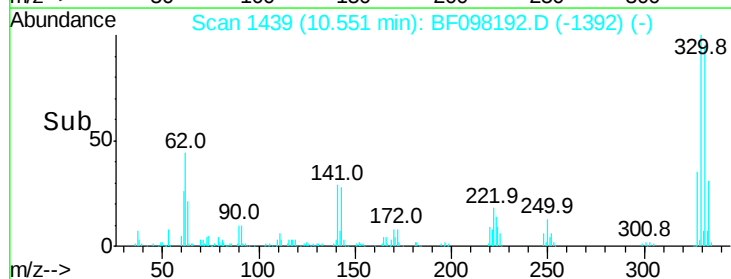
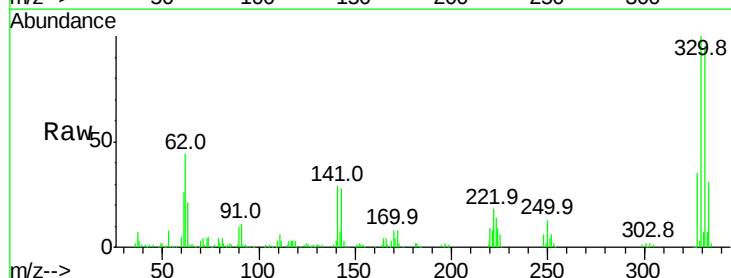
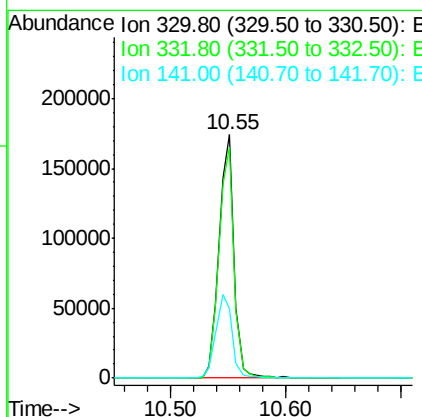
Manual Integrations
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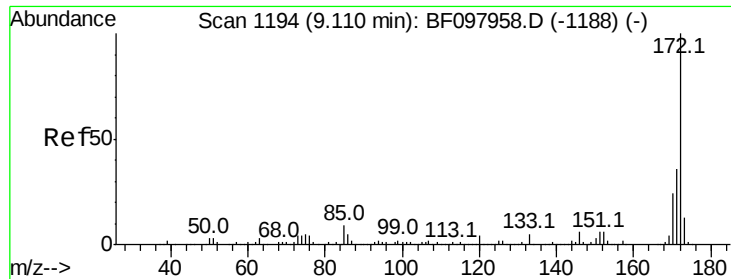
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#41
 2,4,6-Tribromophenol
 Concen: 125.875 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF098192.D
 Acq: 31 Aug 2017 9:21

Tgt Ion:	330	Resp:	157183
Ion Ratio	Lower	Upper	
330	100		
332	95.6	76.6	115.0
141	37.6	31.4	47.2





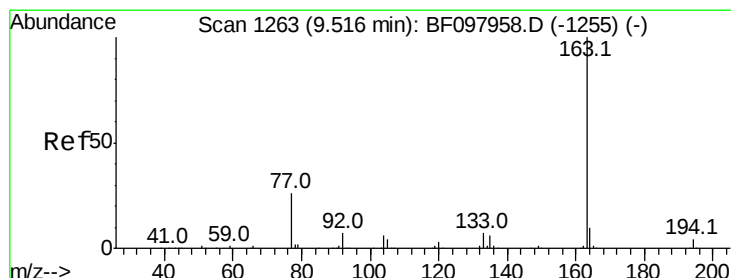
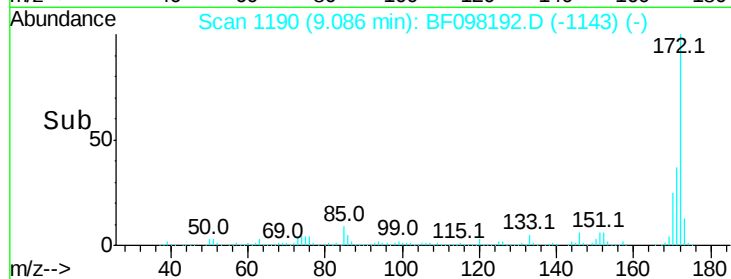
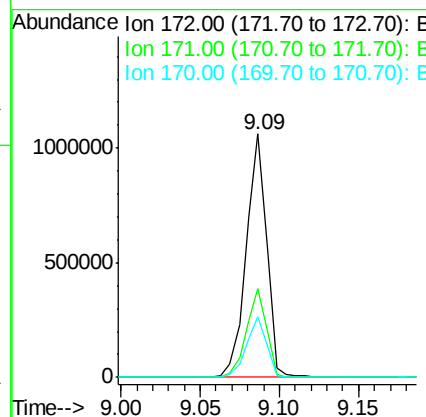
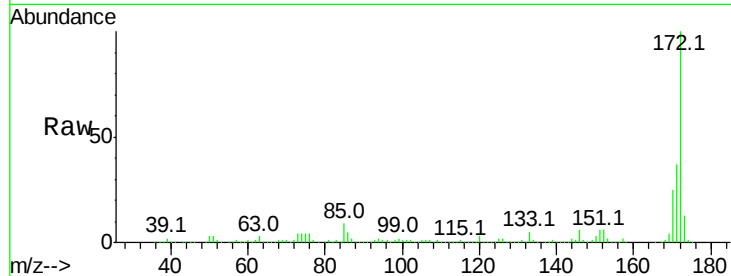
#44
2-Fluorobiphenyl
Concen: 96.288 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.02 min
Lab File: BF098192.D
Acq: 31 Aug 2017 9:21

Instrument :
BNA_F
ClientSampled :
SB-10-COMP

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	36.7	29.6	44.4
170	24.6	19.8	29.8

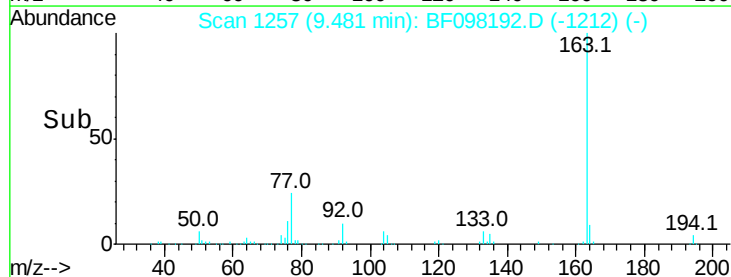
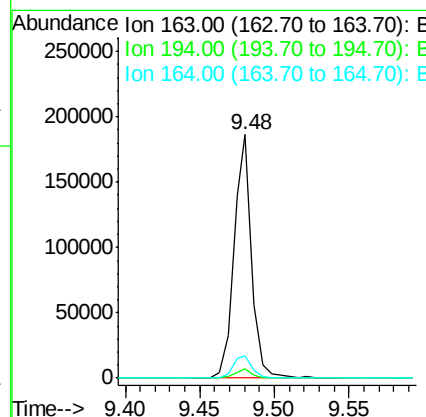
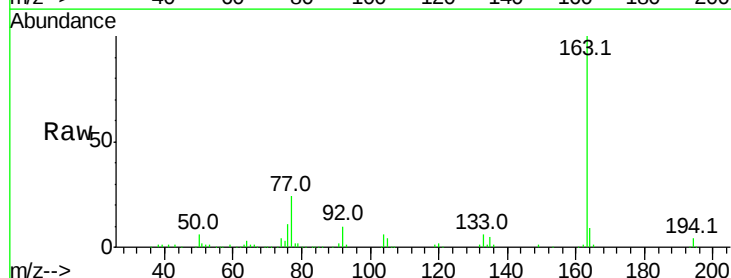
Manual Integrations
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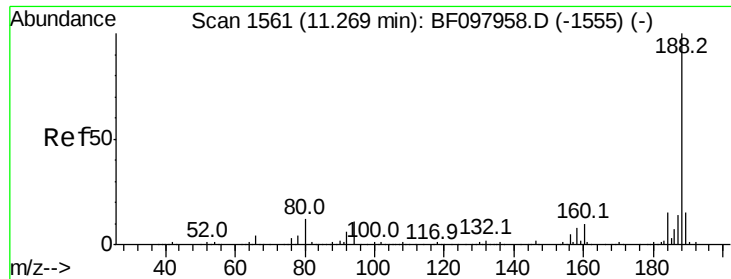
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#49
Dimethylphthalate
Concen: 14.702 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.04 min
Lab File: BF098192.D
Acq: 31 Aug 2017 9:21

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.7	2.6	4.0
164	9.3	8.4	12.6





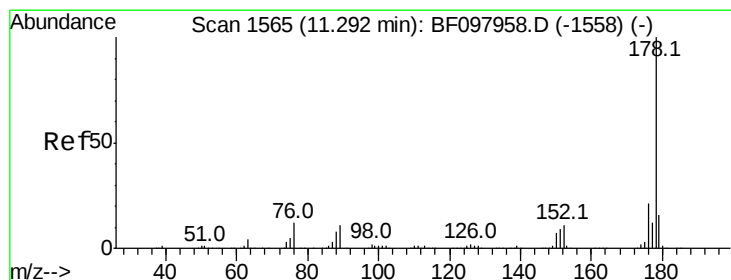
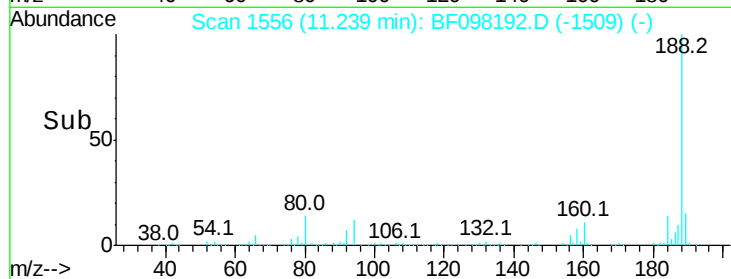
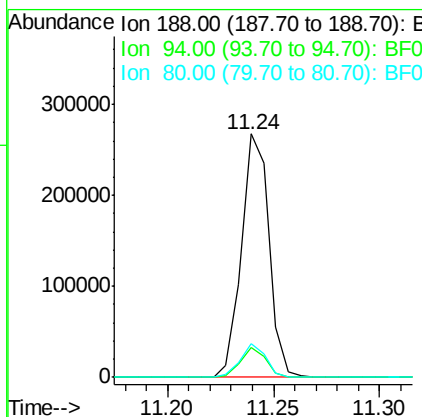
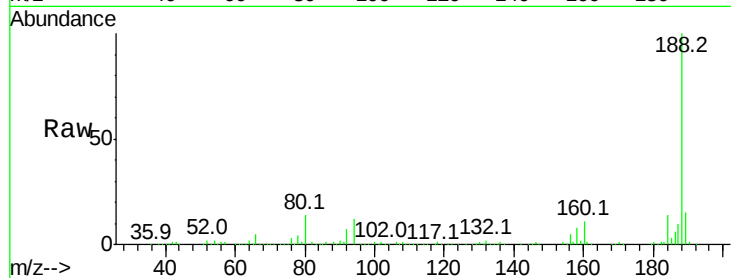
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.02 min
Lab File: BF098192.D
Acq: 31 Aug 2017 9:21

Instrument :
BNA_F
ClientSampleId :
SB-10-COMP

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.2	9.4	14.2
80	13.7	10.2	15.2

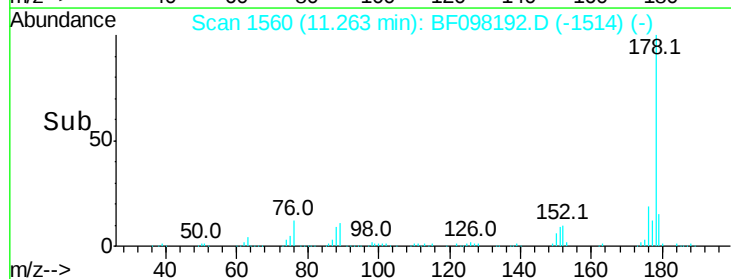
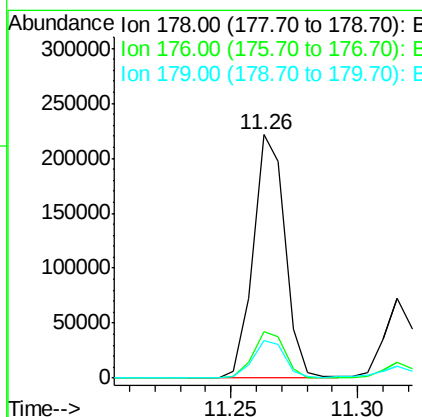
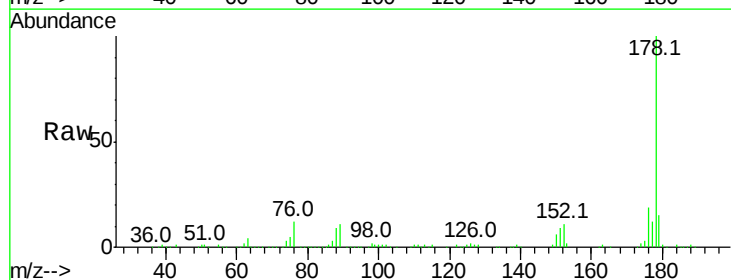
Manual Integrations
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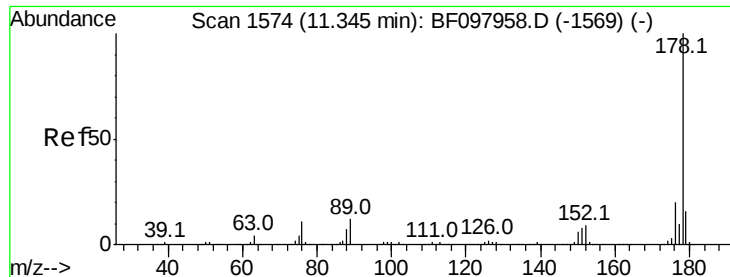
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#70
Phenanthrene
Concen: 15.148 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.03 min
Lab File: BF098192.D
Acq: 31 Aug 2017 9:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.3	16.2	24.4
179	15.4	12.6	19.0





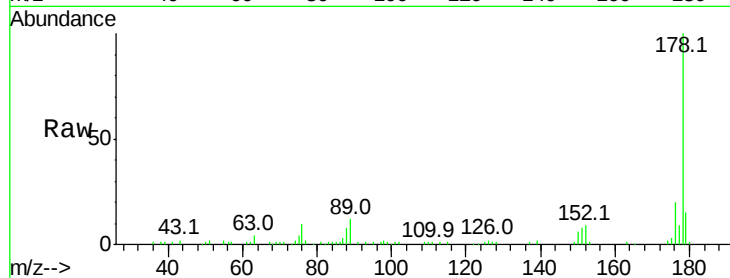
#71
 Anthracene
 Concen: 4.482 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.03 min
 Lab File: BF098192.D
 Acq: 31 Aug 2017 9:21

Instrument :
 BNA_F
 ClientSampled :
 SB-10-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	15.2	12.7	19.1

Manual Integrations
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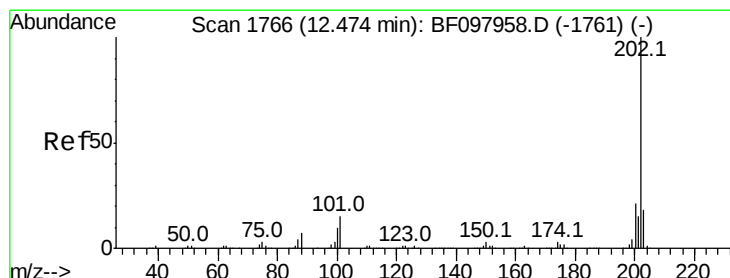
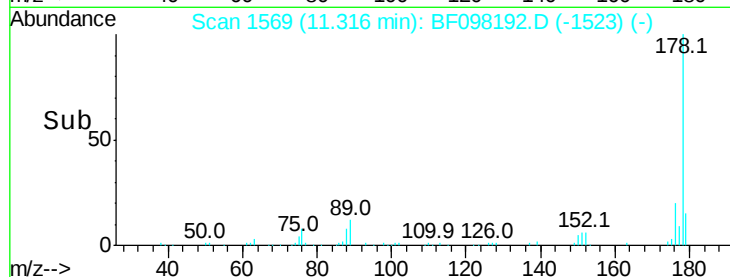
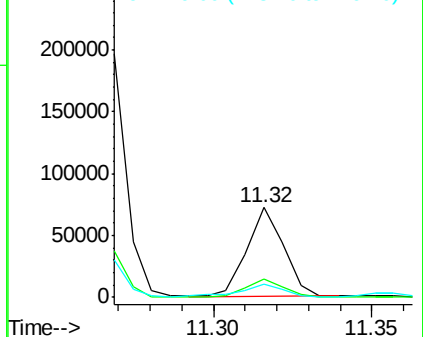


Abundance

Ion 178.00 (177.70 to 178.70): E

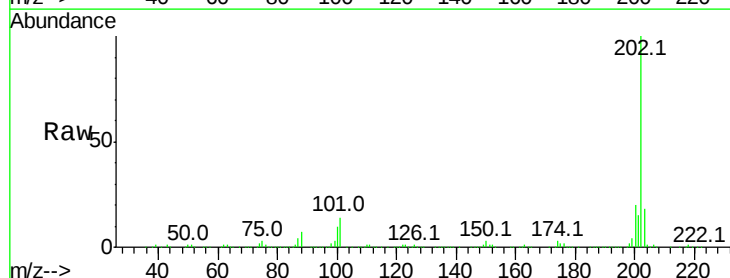
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74
 Fluoranthene
 Concen: 32.884 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. -0.02 min
 Lab File: BF098192.D
 Acq: 31 Aug 2017 9:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	33.2
203	18.0	0.0	38.1

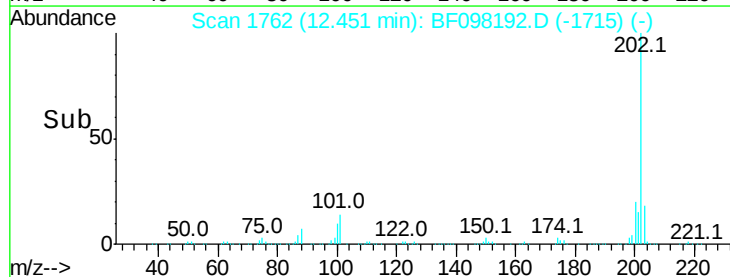
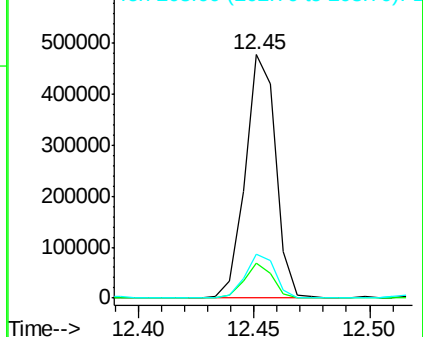


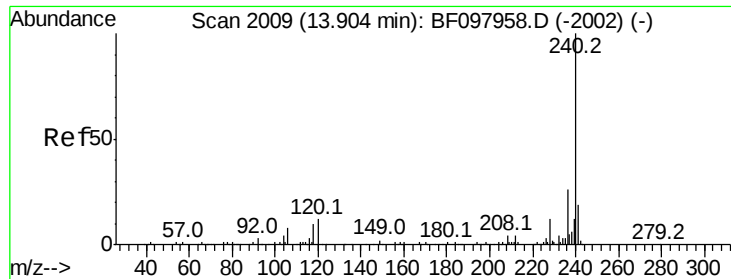
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF098192.D

Acq: 31 Aug 2017 9:21

Instrument :

BNA_F

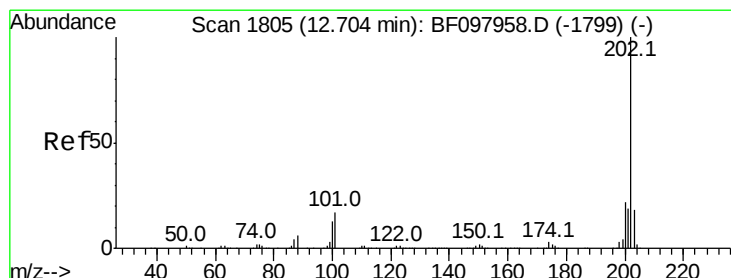
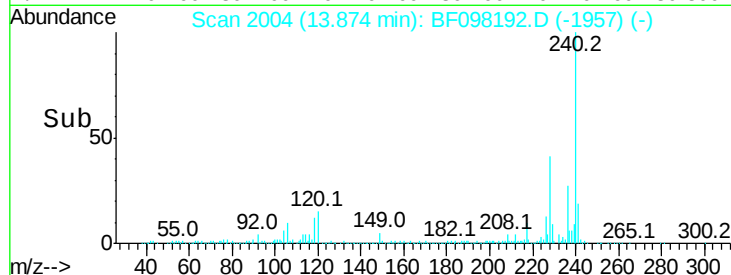
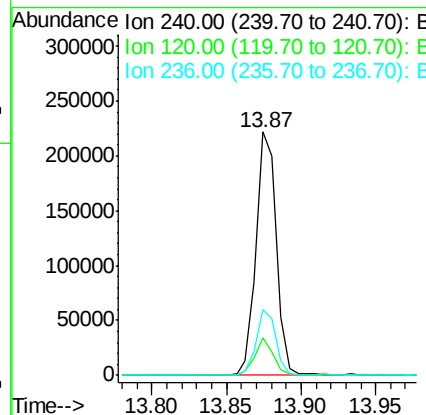
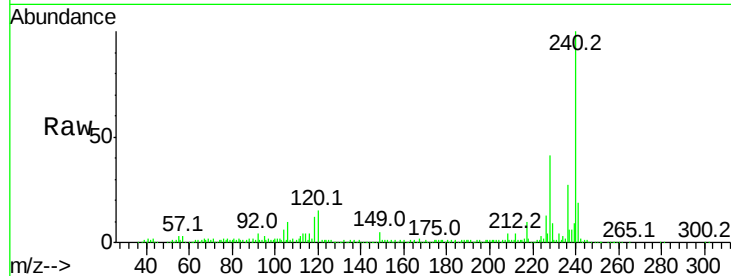
ClientSampleId :

SB-10-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	15.3	5.8	8.8#		
236	26.8	20.5	30.7		

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#77

Pyrene

Concen: 25.136 ng

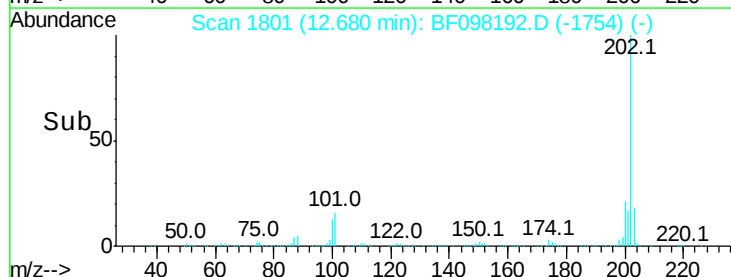
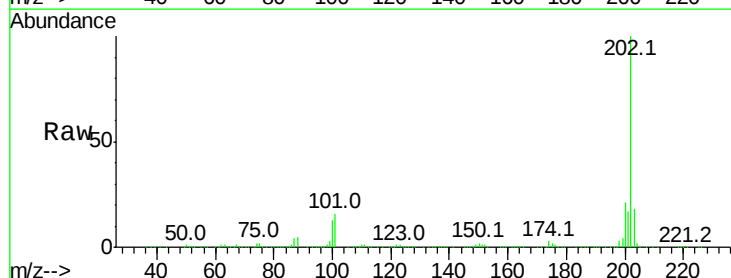
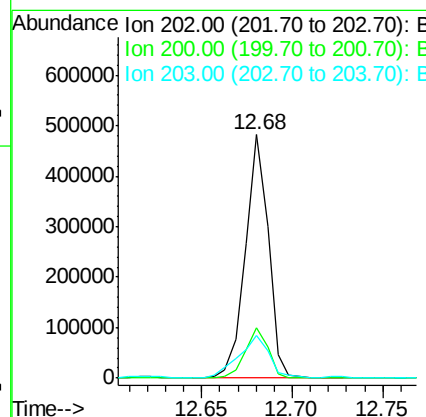
RT: 12.68 min Scan# 1801

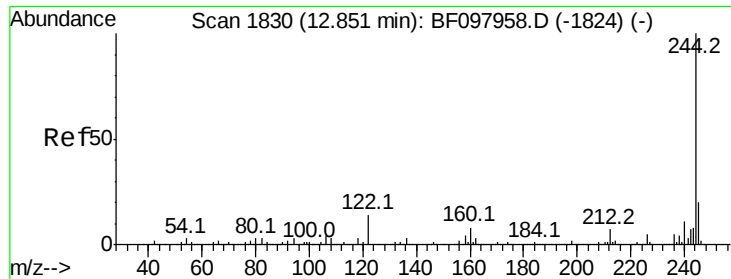
Delta R.T. -0.02 min

Lab File: BF098192.D

Acq: 31 Aug 2017 9:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	20.6	17.6	26.4		
203	17.7	14.4	21.6		





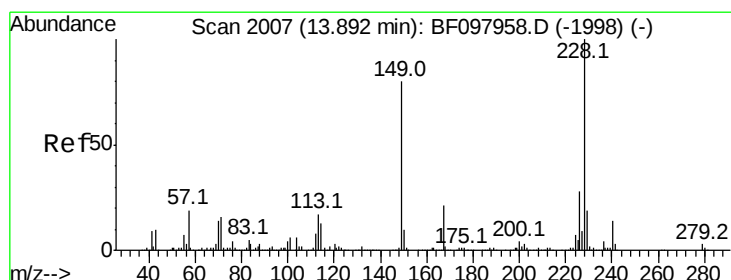
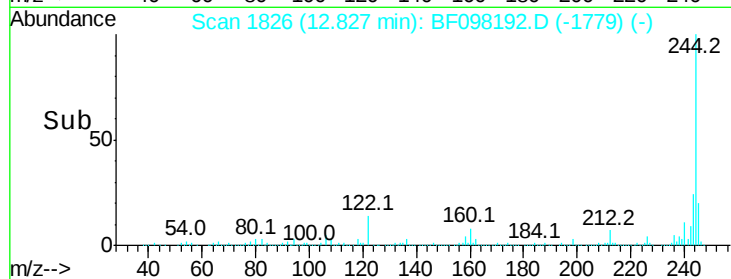
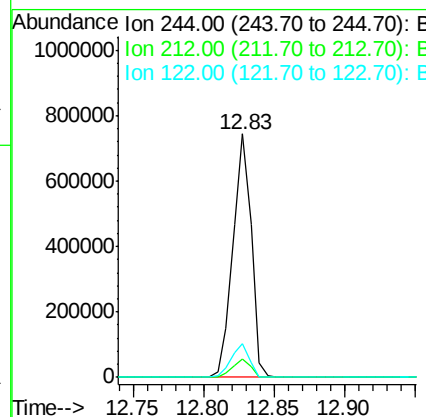
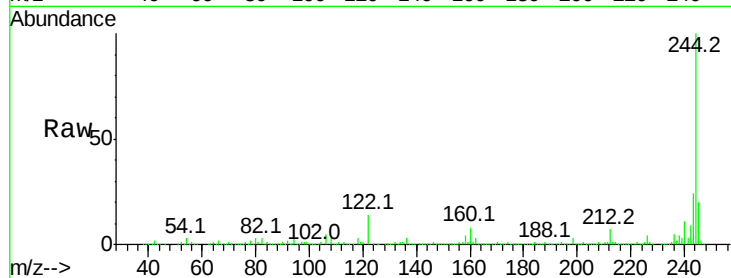
#78
 Terphenyl-d14
 Concen: 67.388 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.02 min
 Lab File: BF098192.D
 Acq: 31 Aug 2017 9:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-10-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	13.6	10.3	15.5

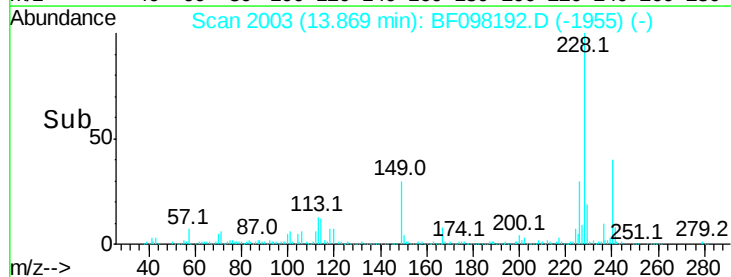
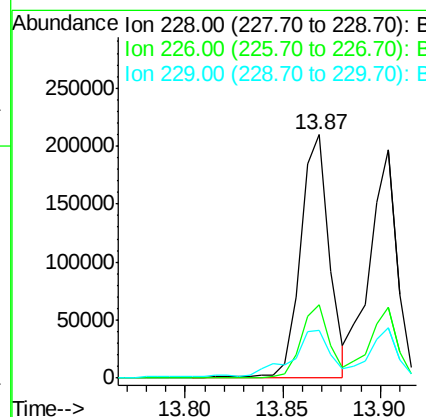
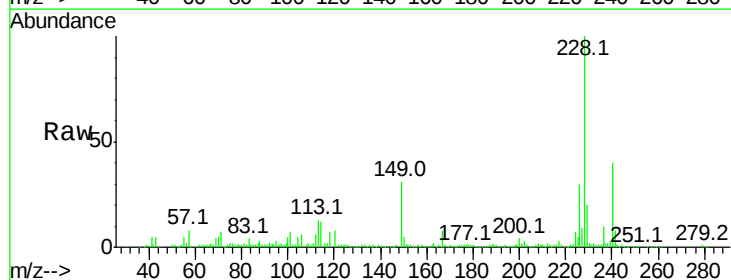
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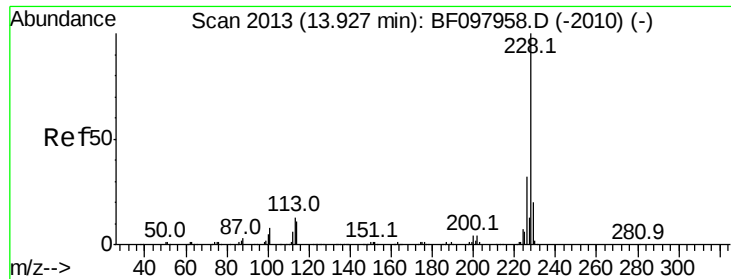
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#80
 Benzo(a)anthracene
 Concen: 17.053 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. -0.02 min
 Lab File: BF098192.D
 Acq: 31 Aug 2017 9:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.6	33.8
229	19.6	16.3	24.5





#82

Chrysene

Concen: 15.519 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.02 min

Lab File: BF098192.D

Acq: 31 Aug 2017 9:21

Instrument :

BNA_F

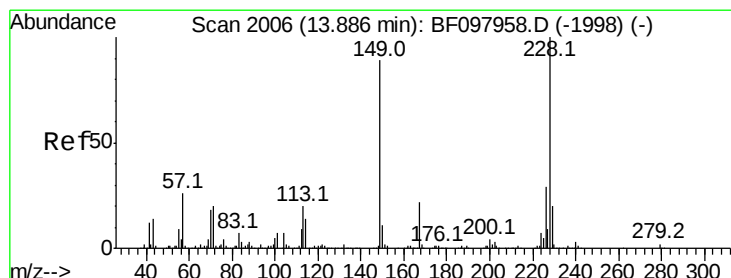
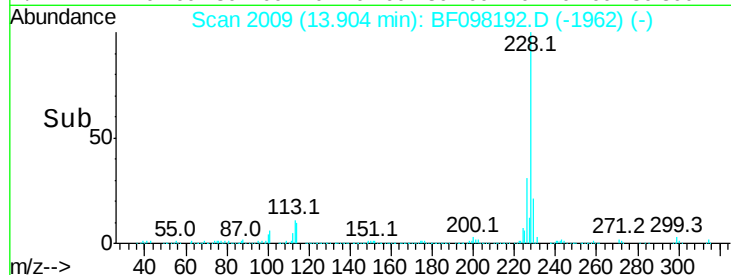
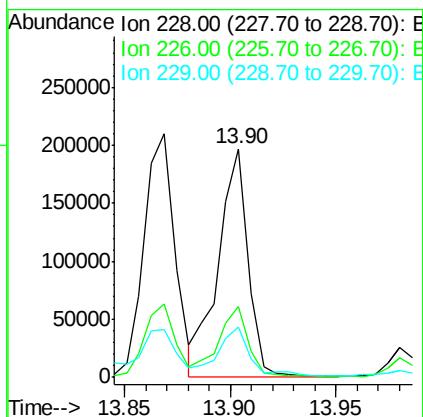
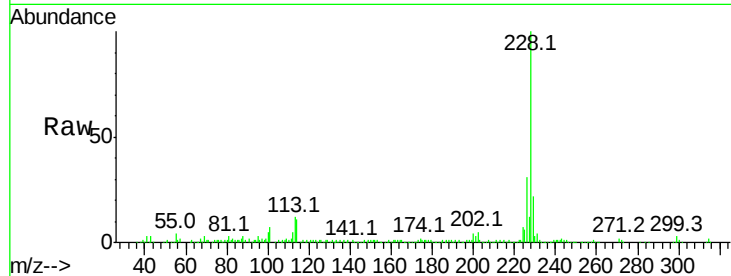
ClientSampled :

SB-10-COMP

Tot Ion:	228	Resp:	191904
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.9	37.3
229	21.9	15.8	23.6

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#83

Bis(2-ethylhexyl)phthalate

Concen: 14.244 ng

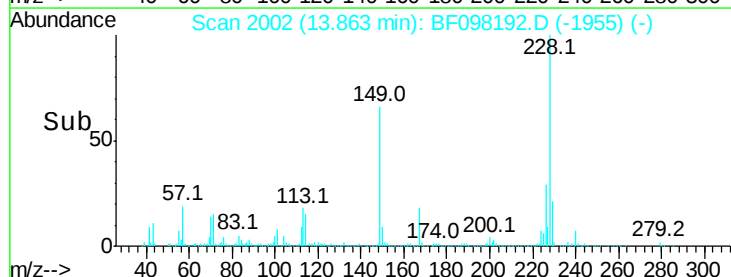
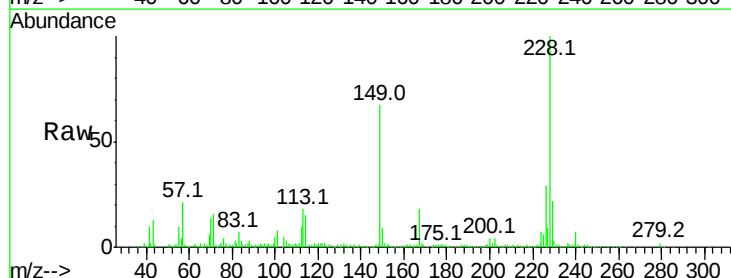
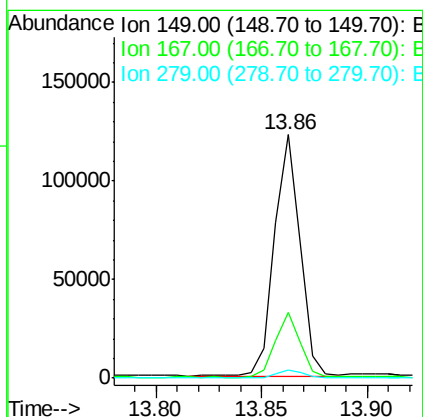
RT: 13.86 min Scan# 2002

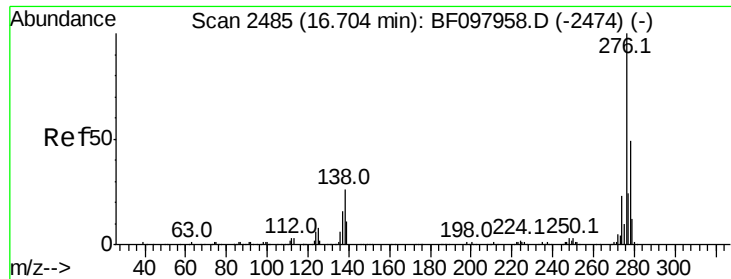
Delta R.T. -0.02 min

Lab File: BF098192.D

Acq: 31 Aug 2017 9:21

Tgt Ion:	149	Resp:	102659
Ion Ratio	Lower	Upper	
149	100		
167	26.8	21.0	31.4
279	3.1	1.9	2.9#





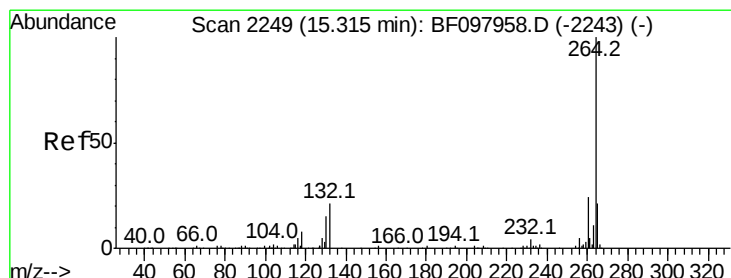
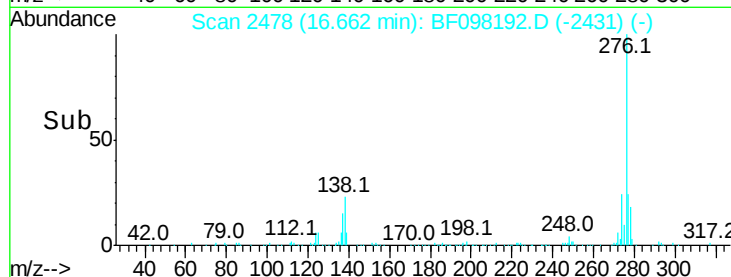
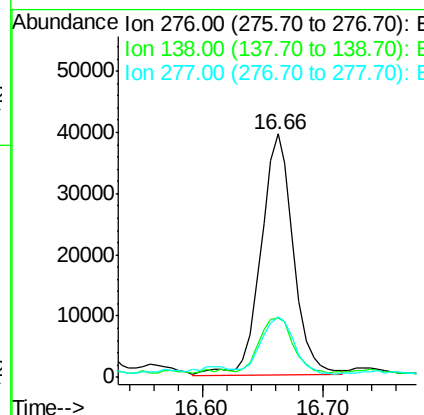
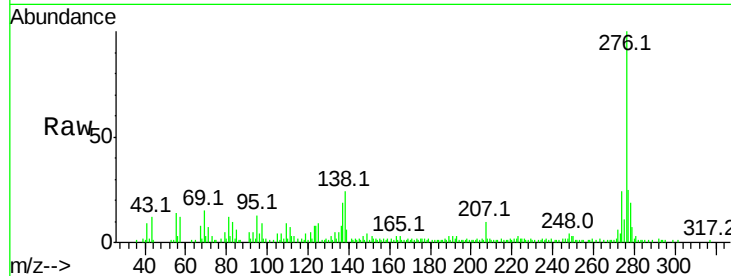
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.083 ng
 RT: 16.66 min Scan# 2478
 Delta R.T. -0.02 min
 Lab File: BF098192.D
 Acq: 31 Aug 2017 9:21

Instrument :
 BNA_F
 ClientSampled :
 SB-10-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.0	27.8	41.6#
277	24.0	20.2	30.4

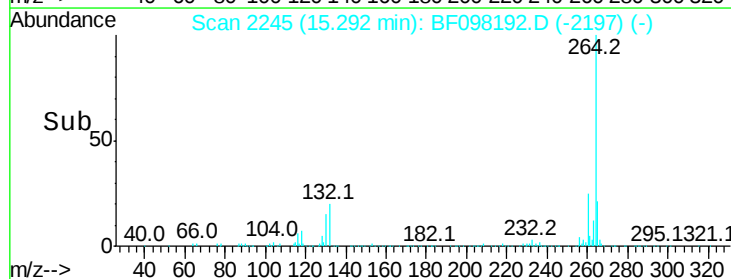
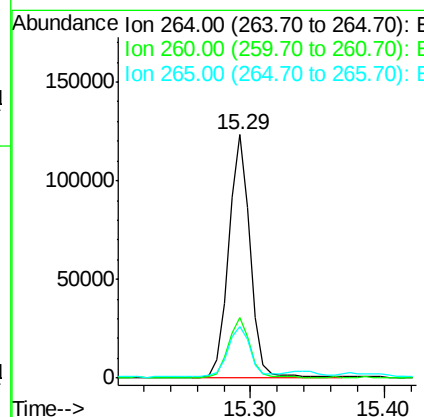
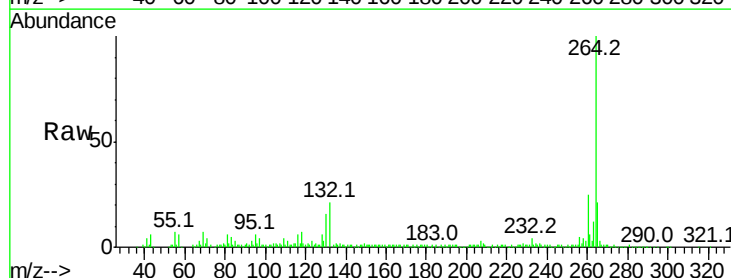
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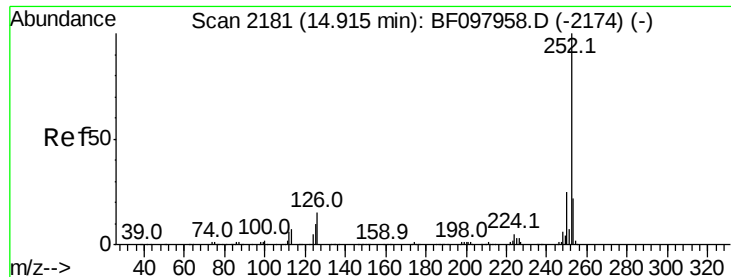
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2245
 Delta R.T. -0.02 min
 Lab File: BF098192.D
 Acq: 31 Aug 2017 9:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	21.3	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 20.741 ng m

RT: 14.89 min Scan# 2177

Delta R.T. -0.02 min

Lab File: BF098192.D

Acq: 31 Aug 2017 9:21

Instrument :

BNA_F

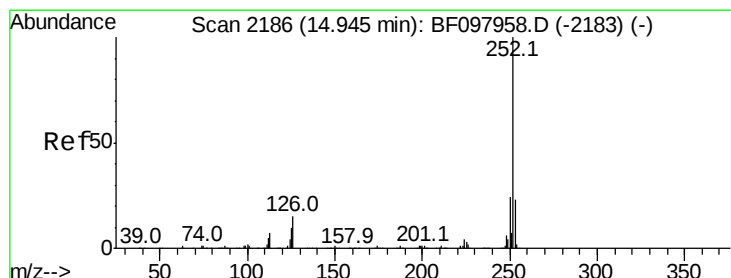
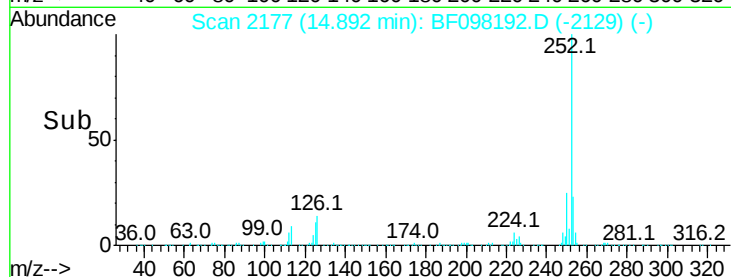
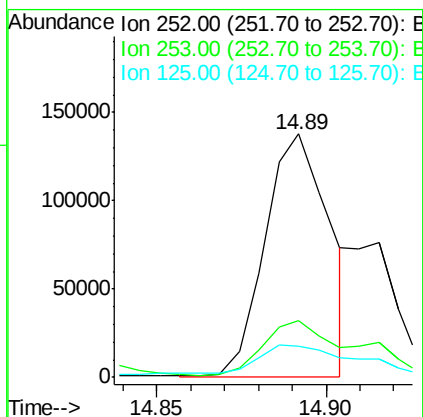
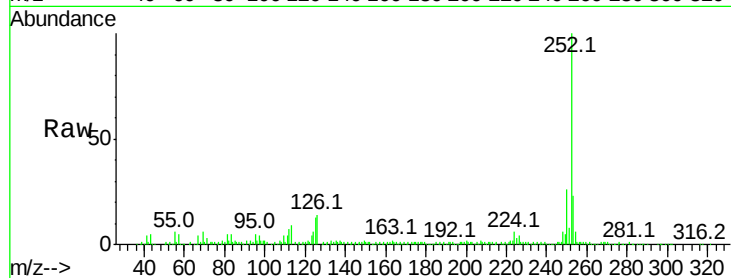
ClientSampleId :

SB-10-COMP

Tot Ion:	252	Resp:	181522
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.1	27.1
125	12.7	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 8.867 ng m

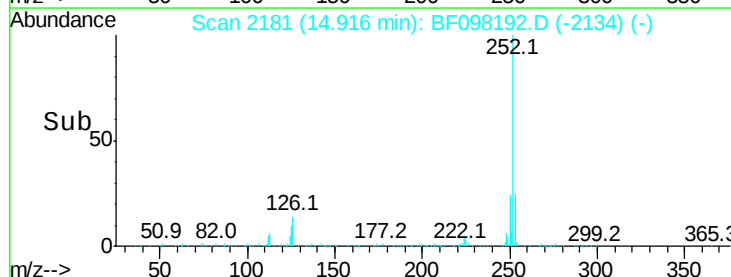
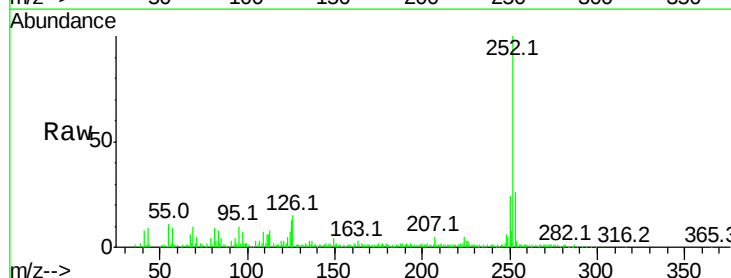
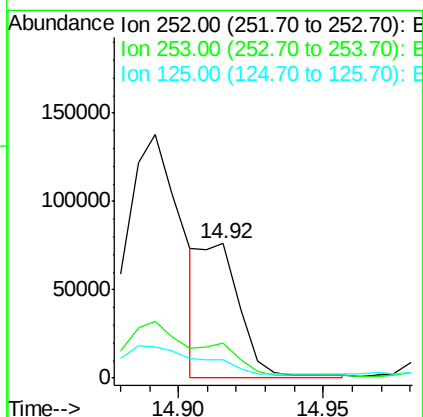
RT: 14.92 min Scan# 2181

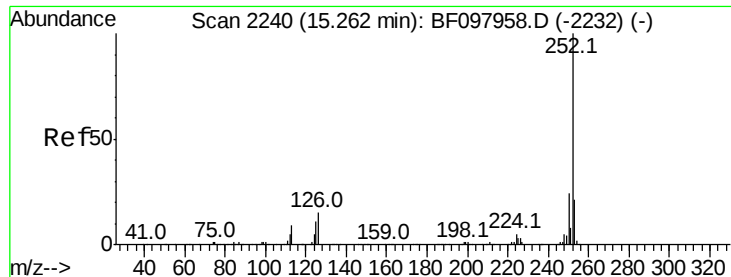
Delta R.T. -0.02 min

Lab File: BF098192.D

Acq: 31 Aug 2017 9:21

Tgt Ion:	252	Resp:	72910
Ion Ratio	Lower	Upper	
252	100		
253	26.1	18.4	27.6
125	13.4	13.1	19.7





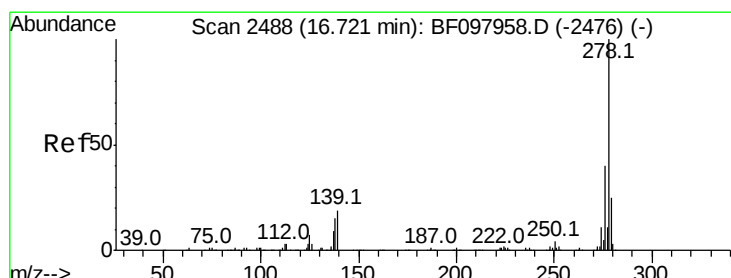
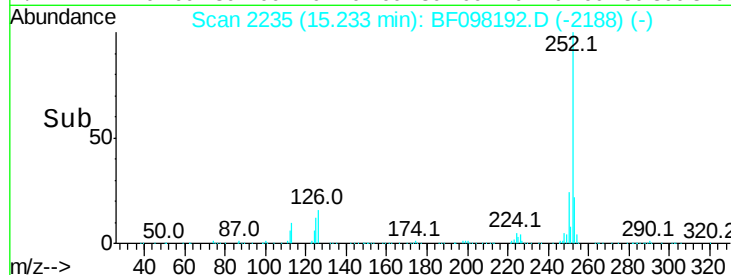
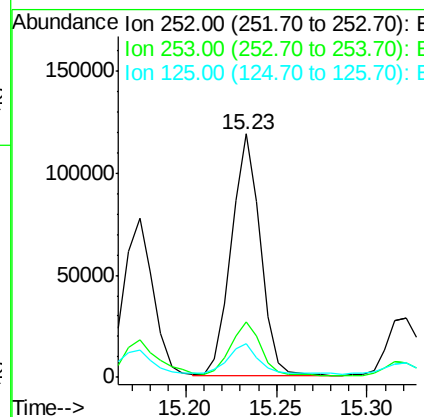
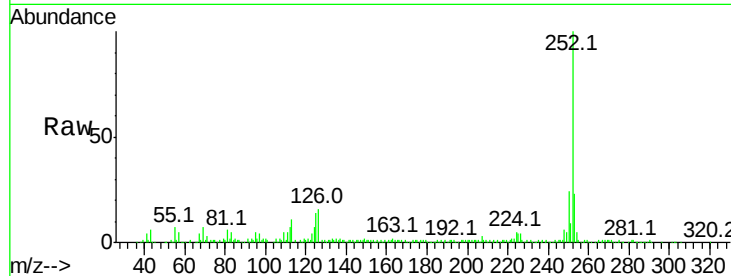
#89
Benzo(a)pyrene
Concen: 17.120 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.02 min
Lab File: BF098192.D
Acq: 31 Aug 2017 9:21

Instrument :
BNA_F
ClientSampleId :
SB-10-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	13.9	11.0	16.4

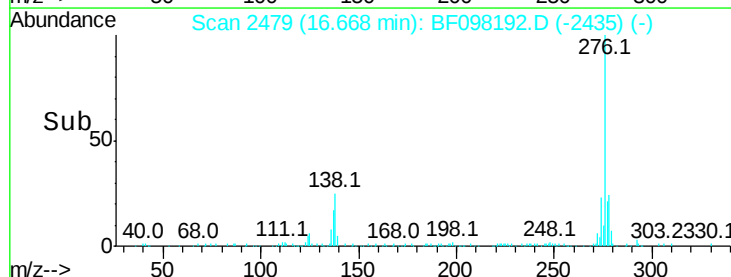
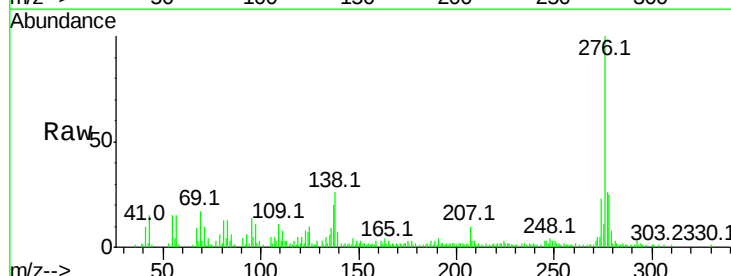
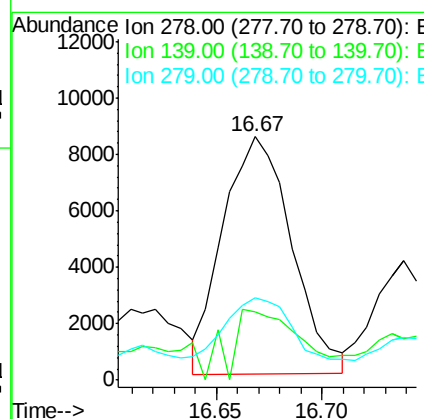
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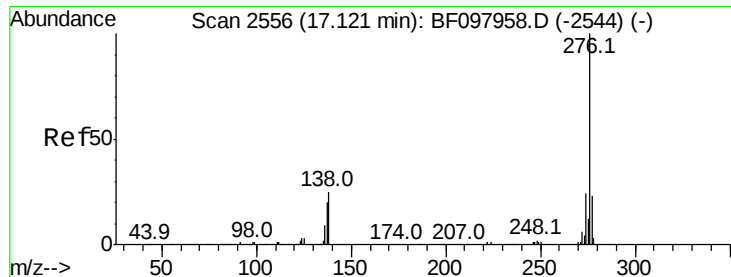
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#90
Dibenzo(a,h)anthracene
Concen: 3.027 ng
RT: 16.67 min Scan# 2479
Delta R.T. -0.04 min
Lab File: BF098192.D
Acq: 31 Aug 2017 9:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.0	16.6	24.8#
279	34.0	19.3	28.9#





#91
 Benzo(a,h,i)perylene
 Concen: 10.213 ng
 RT: 17.07 min Scan# 2548
 Delta R.T. -0.04 min
 Lab File: BF098192.D
 Acq: 31 Aug 2017 9:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-10-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.6	28.0
138	28.2	25.4	38.0

Manual Integrations
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