

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097151.D
 Acq On : 28 Jul 2017 13:43
 Operator : SJ/JU
 Sample : I4397-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-2B-14.5-15.0-072117

Manual Integrations
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Quant Time: Jul 28 14:30:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	120956	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	474310	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	197876	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	270848	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	211817	20.00	ng	-0.02
86) Perylene-d12	14.96	264	189280	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	844934	105.31	ng	0.00
7) Phenol-d6	6.16	99	988400	107.90	ng	-0.01
23) Nitrobenzene-d5	7.06	82	578104	71.50	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	156707	100.23	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	881257	75.58	ng	-0.02
78) Terphenyl-d14	12.57	244	499742	48.10	ng	-0.01
Target Compounds						
10) Phenol	6.16	94	41198	3.792	ng	95
49) Dimethylphthalate	9.25	163	203353	13.533	ng	98
70) Phenanthrene	11.01	178	160035	11.028	ng	98
71) Anthracene	11.06	178	39640	2.667	ng	96
74) Fluoranthene	12.19	202	224003	15.756	ng	99
77) Pyrene	12.42	202	169151	9.755	ng	99
80) Benzo(a)anthracene	13.60	228	98663	7.199	ng	98
82) Chrysene	13.64	228	94520	7.063	ng	96
85) Indeno(1,2,3-cd)pyrene	16.18	276	38709	3.373	ng	99
87) Benzo(b)fluoranthene	14.60	252	112696m	9.905	ng	
88) Benzo(k)fluoranthene	14.62	252	43829m	4.042	ng	
89) Benzo(a)pyrene	14.91	252	72669	6.978	ng	95
91) Benzo(a,h,i)perylene	16.54	276	36354	4.060	ng	99

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

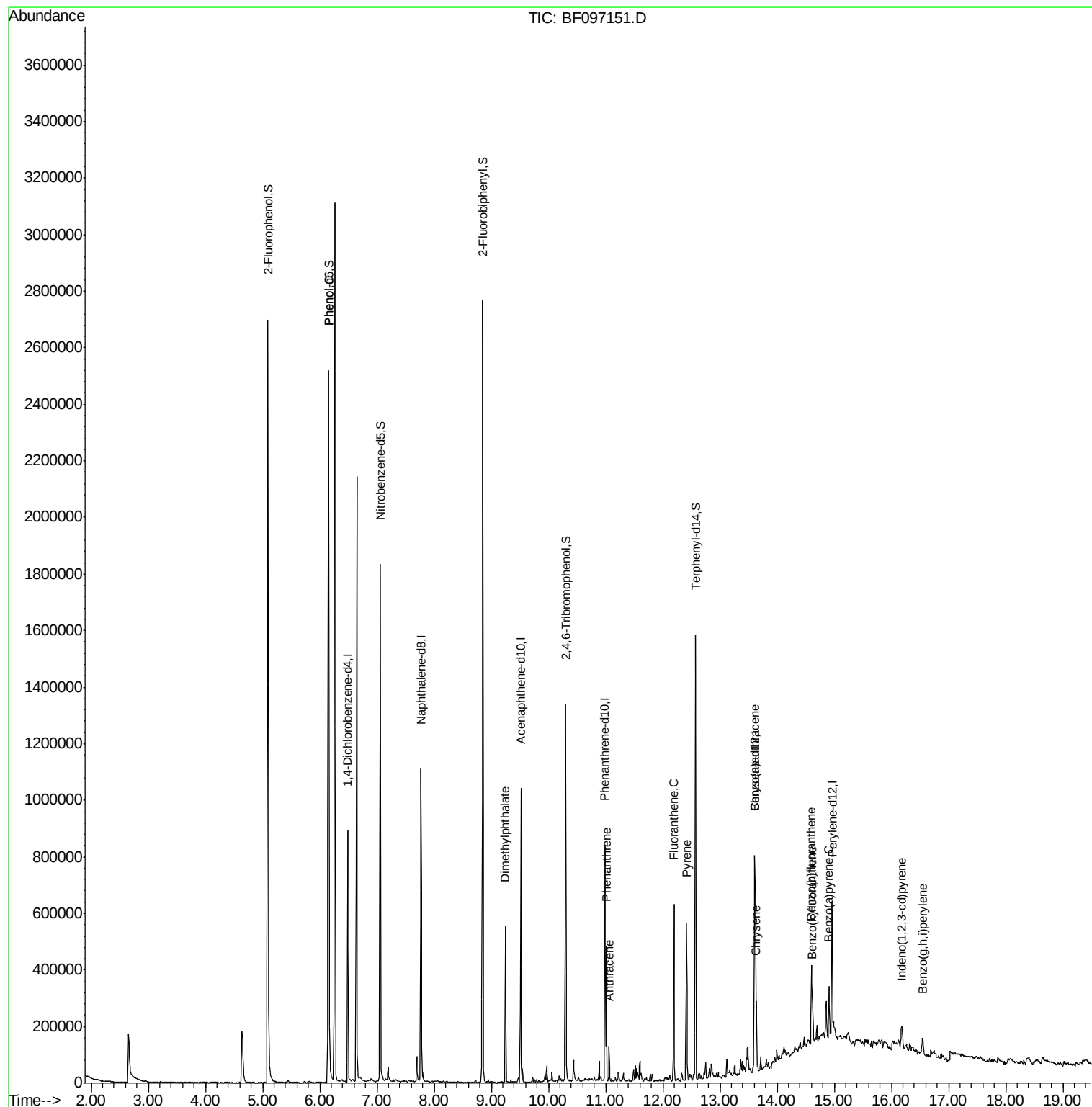
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
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ALS Vial : 11 Sample Multiplier: 1

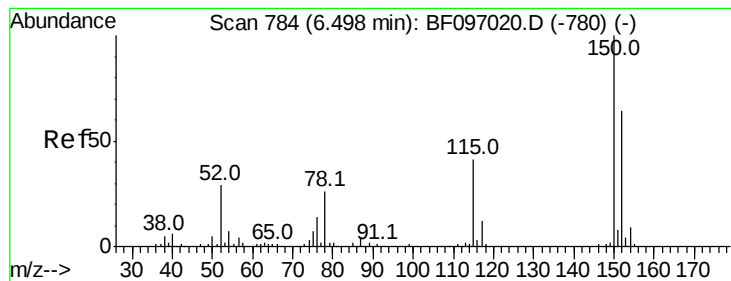
Instrument :
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T-2B-14.5-15.0-072117

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#1

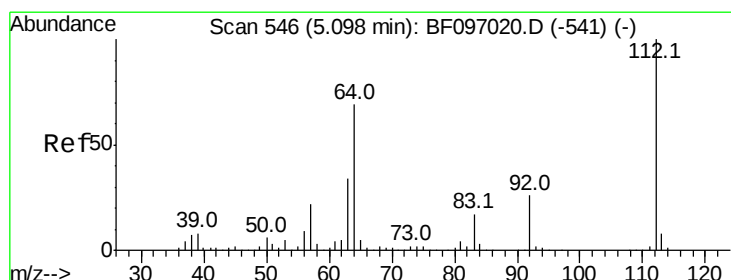
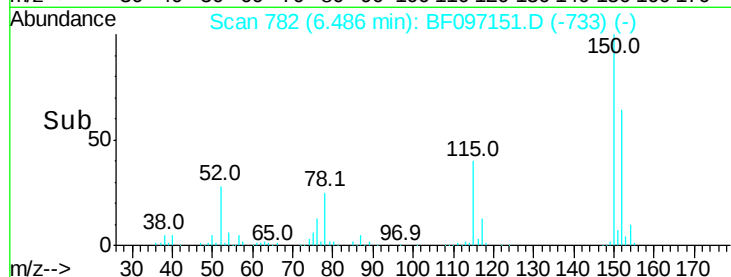
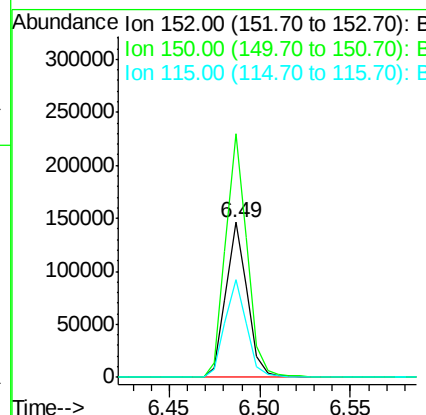
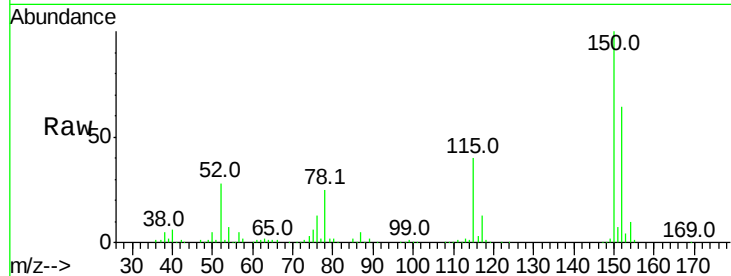
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF097151.D
Acq: 28 Jul 2017 13:43

Instrument :
BNA_F
ClientSampleId :
T-2B-14.5-15.0-072117

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	126.2	189.2
115	63.2	52.2	78.2

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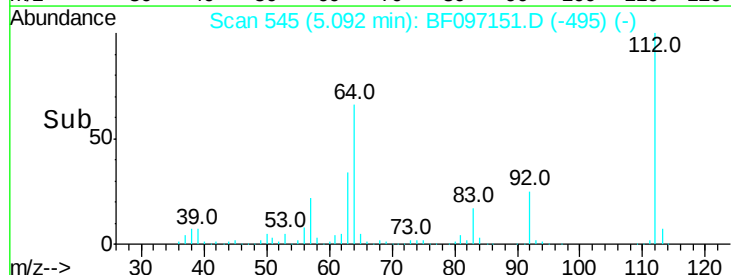
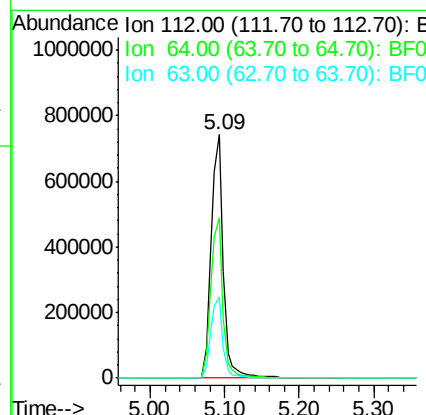
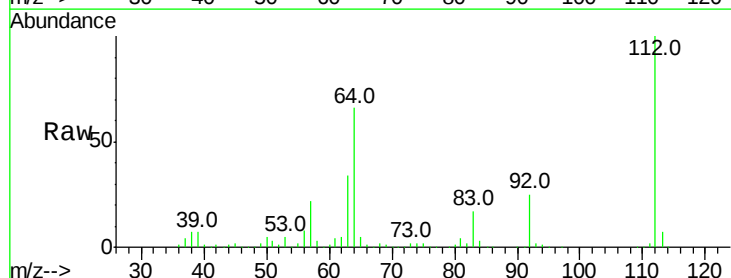
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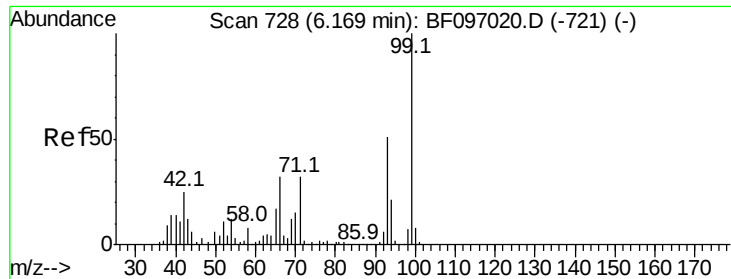


#5

2-Fluorophenol
Concen: 105.305 ng
RT: 5.09 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097151.D
Acq: 28 Jul 2017 13:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.7	46.0	69.0
63	33.5	23.4	35.0





#7

Phenol-d6

Concen: 107.904 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097151.D

Acq: 28 Jul 2017 13:43

Instrument :

BNA_F

ClientSampleId :

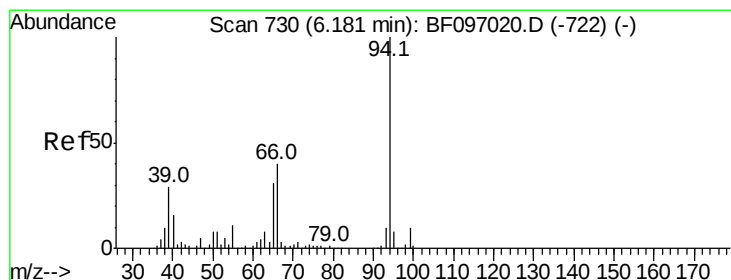
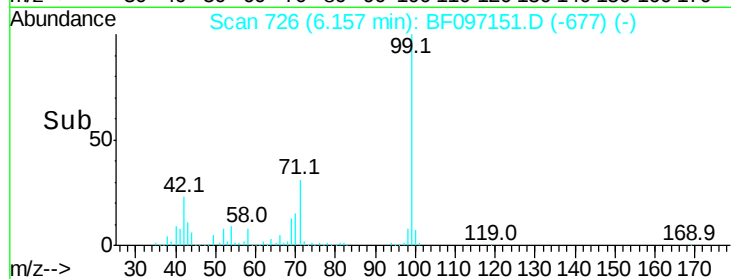
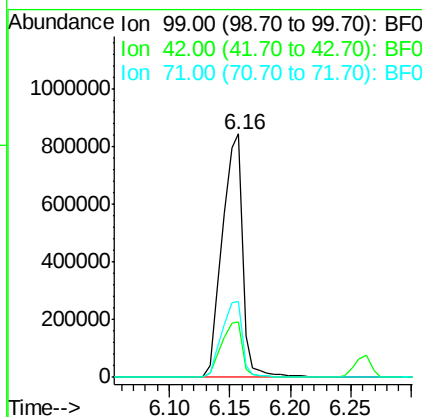
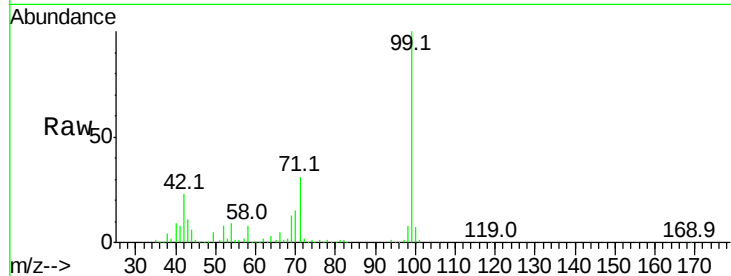
T-2B-14.5-15.0-072117

Tot Ion:	99	Resp:	988400
Ion Ratio	Lower	Upper	
99	100		
42	22.9	13.5	20.3#
71	31.4	24.5	36.7

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#10

Phenol

Concen: 3.792 ng

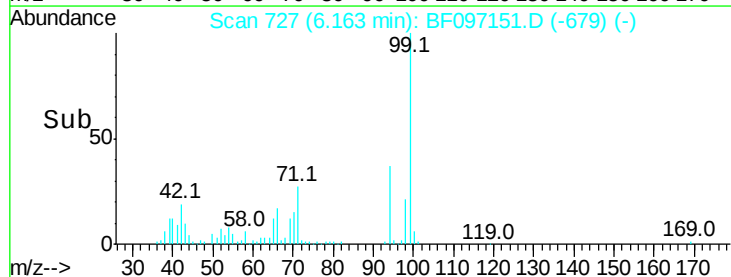
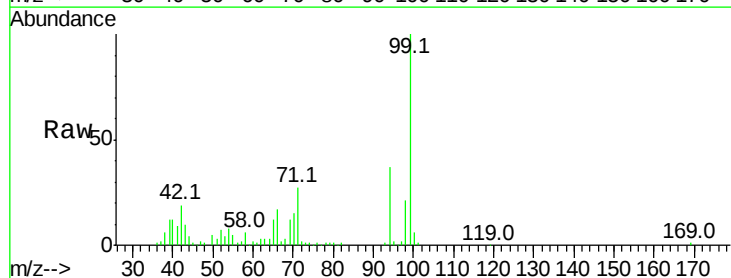
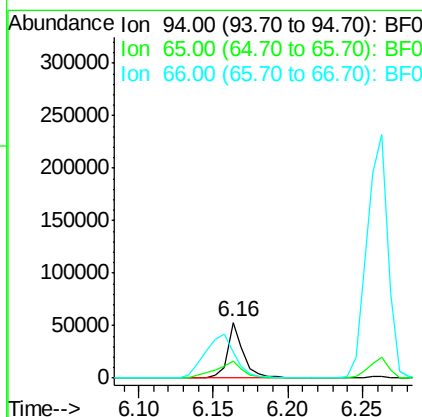
RT: 6.16 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF097151.D

Acq: 28 Jul 2017 13:43

Tgt Ion:	94	Resp:	41198
Ion Ratio	Lower	Upper	
94	100		
65	31.5	9.9	49.9
66	47.6	23.1	63.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.77 min Scan# 1000

Delta R.T. -0.02 min

Lab File: BF097151.D

Acq: 28 Jul 2017 13:43

Instrument :

BNA_F

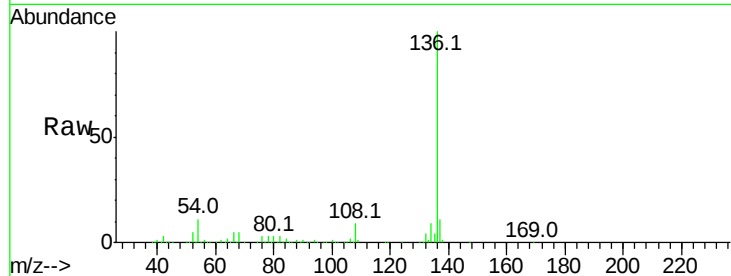
ClientSampleId :

T-2B-14.5-15.0-072117

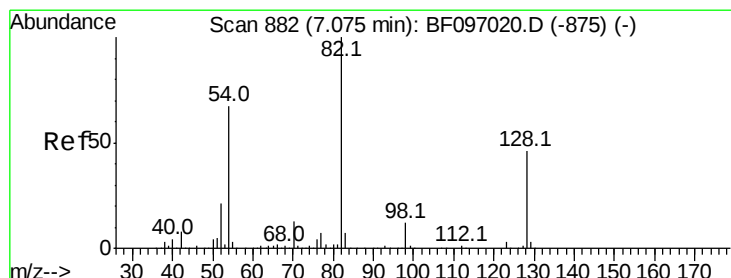
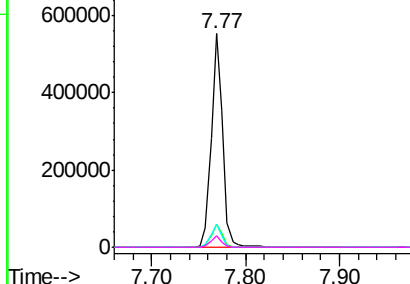
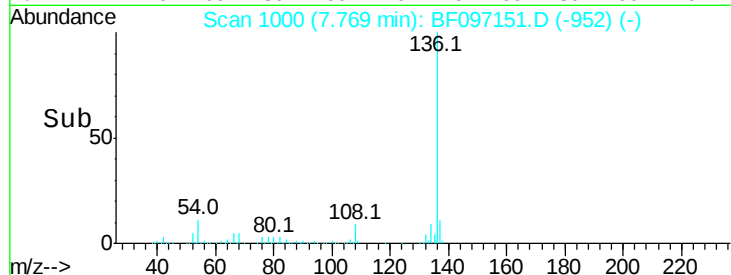
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.5	12.7	
54	10.6	4.9	7.3#	
68	5.2	4.1	6.1	

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Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 71.502 ng

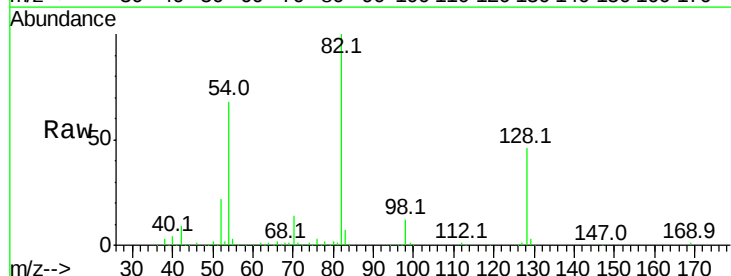
RT: 7.06 min Scan# 879

Delta R.T. -0.02 min

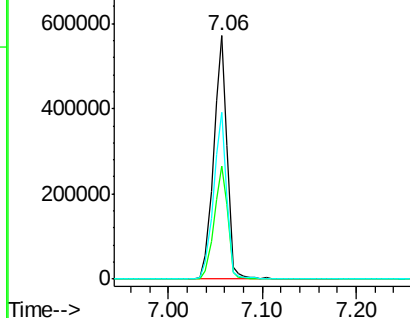
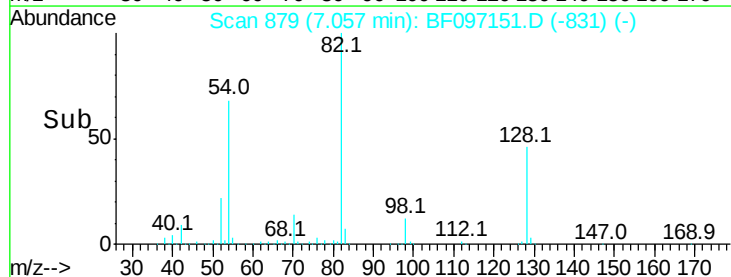
Lab File: BF097151.D

Acq: 28 Jul 2017 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.2	34.0	51.0	
54	68.5	42.2	63.2#	



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





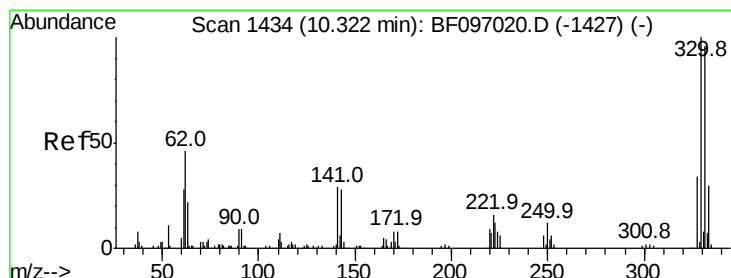
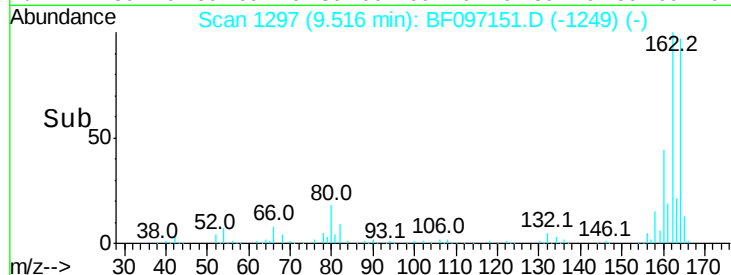
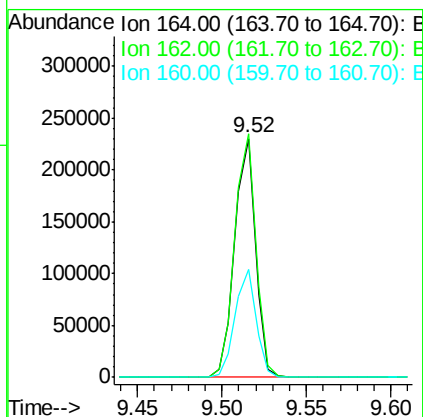
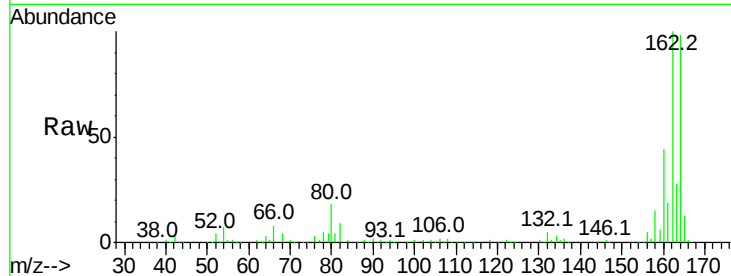
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.52 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF097151.D
 Acq: 28 Jul 2017 13:43

Instrument :
 BNA_F
 ClientSampleId :
 T-2B-14.5-15.0-072117

Tot Ion	Ratio	Resp	Lower	Upper
164	100	197876		
162	101.9	82.6	123.8	
160	45.2	36.2	54.2	

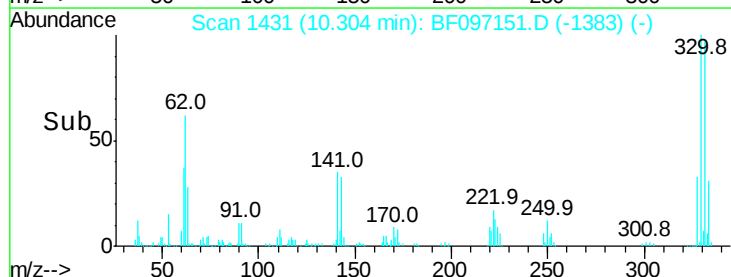
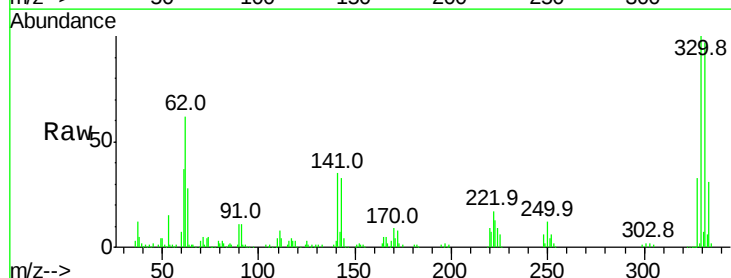
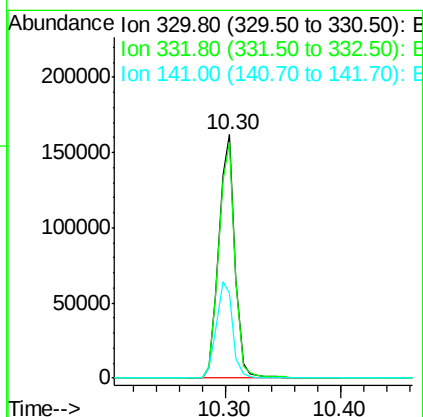
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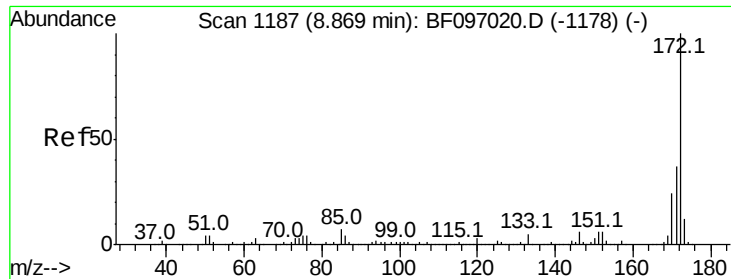
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#41
 2,4,6-Tribromophenol
 Concen: 100.234 ng
 RT: 10.30 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF097151.D
 Acq: 28 Jul 2017 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	156707		
332	97.2	76.6	115.0	
141	40.2	31.4	47.2	





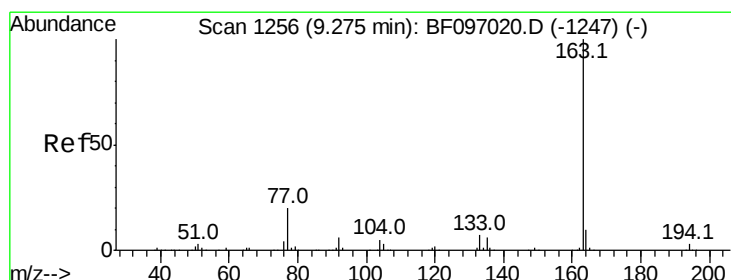
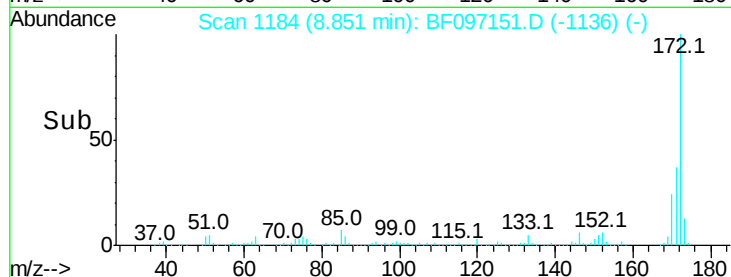
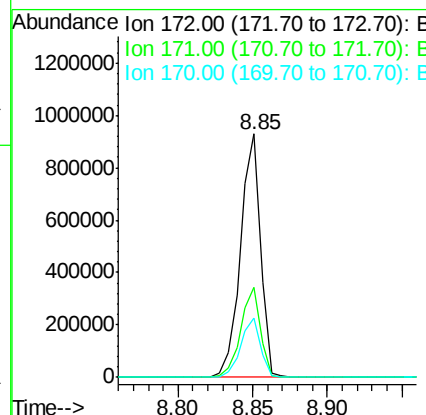
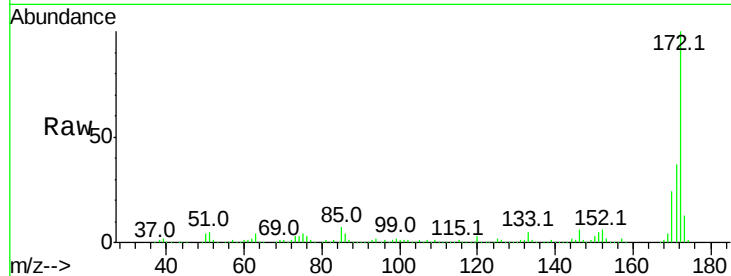
#44
2-Fluorobiphenyl
Concen: 75.582 ng
RT: 8.85 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF097151.D
Acq: 28 Jul 2017 13:43

Instrument :
BNA_F
ClientSampleId :
T-2B-14.5-15.0-072117

Tot Ion	Ratio	Resp	Lower	Upper
172	100	881257		
171	36.8		29.6	44.4
170	24.5		19.8	29.8

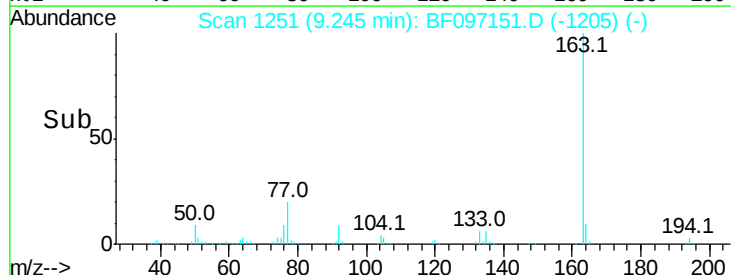
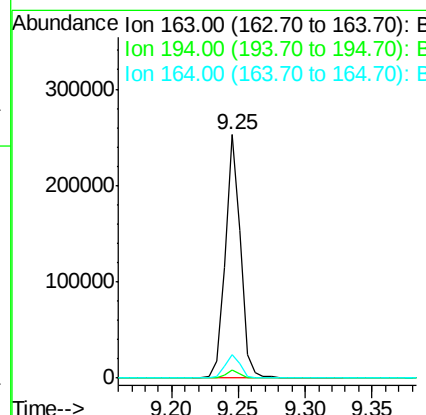
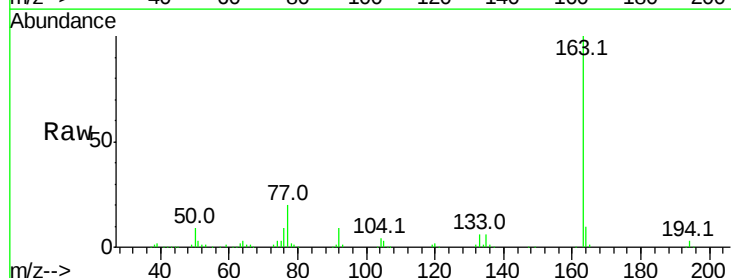
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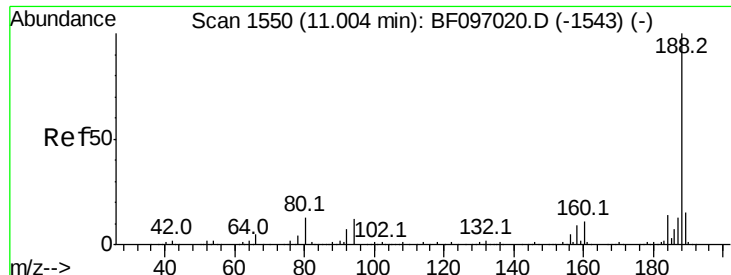
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#49
Dimethylphthalate
Concen: 13.533 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF097151.D
Acq: 28 Jul 2017 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	203353		
194	3.1		2.6	4.0
164	9.8		8.4	12.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 10.99 min Scan# 1547

Delta R.T. -0.02 min

Lab File: BF097151.D

Acq: 28 Jul 2017 13:43

Instrument :

BNA_F

ClientSampleId :

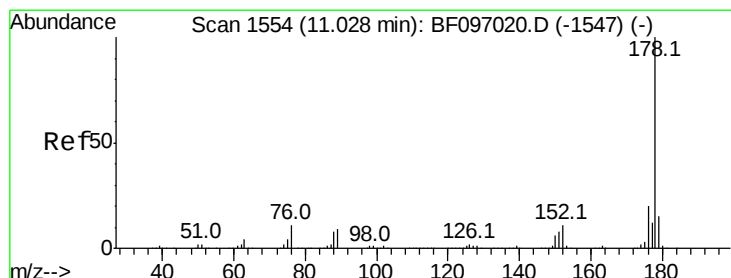
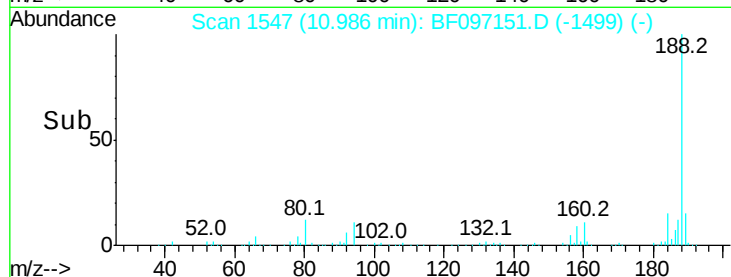
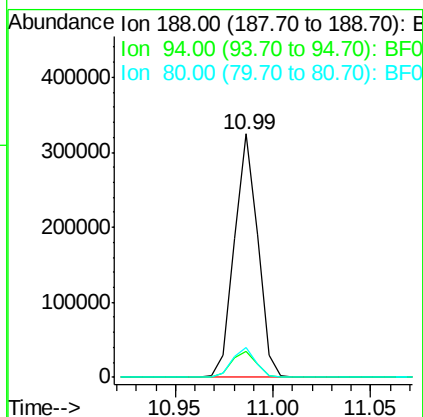
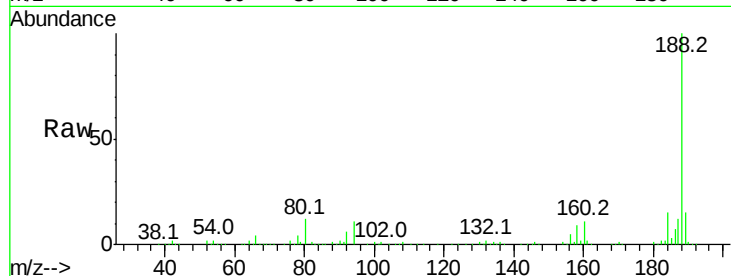
T-2B-14.5-15.0-072117

Tot Ion:188	Resp:	270848
Ion Ratio	Lower	Upper
188 100		
94 10.7	9.4	14.2
80 12.4	10.2	15.2

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#70

Phenanthrene

Concen: 11.028 ng

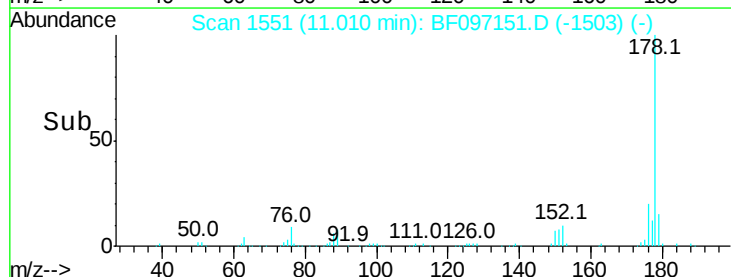
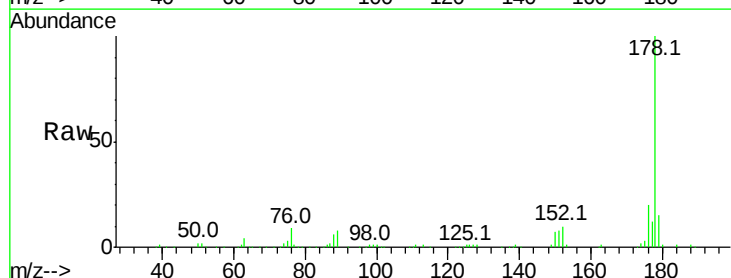
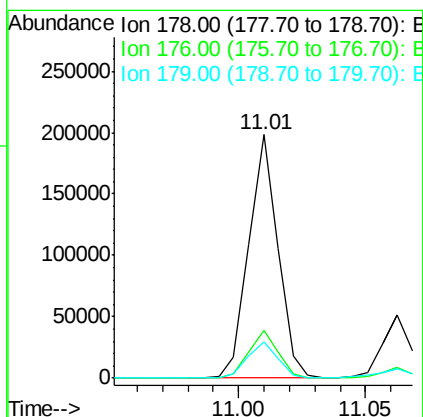
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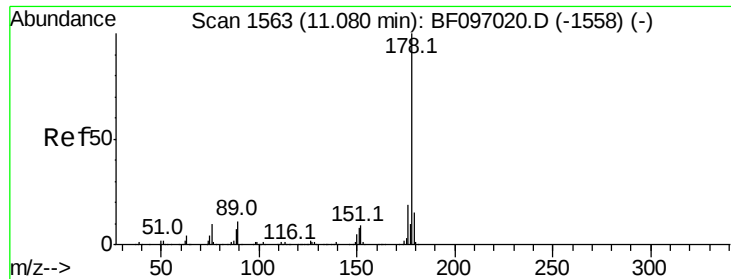
Delta R.T. -0.02 min

Lab File: BF097151.D

Acq: 28 Jul 2017 13:43

Tgt Ion:178	Resp:	160035
Ion Ratio	Lower	Upper
178 100		
176 19.7	16.2	24.4
179 14.9	12.6	19.0





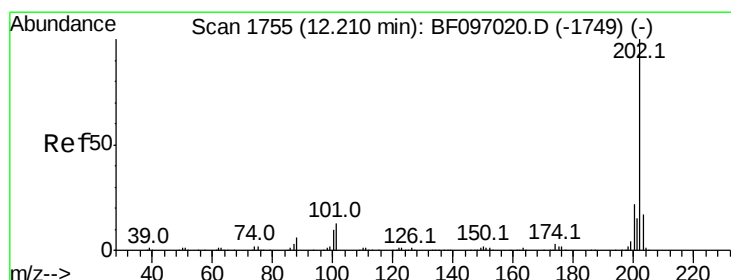
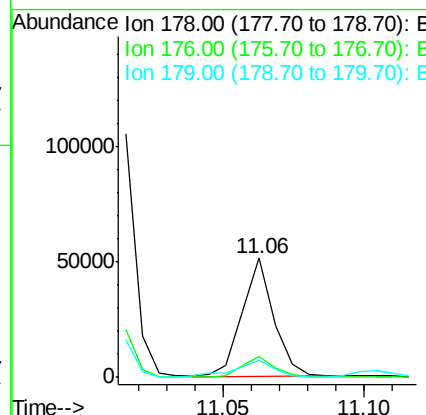
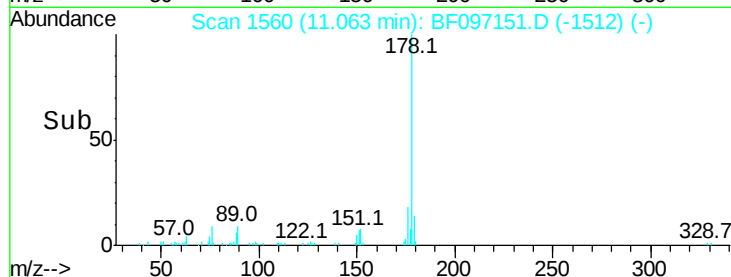
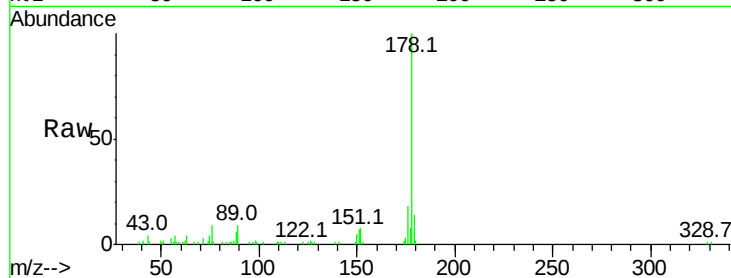
#71
 Anthracene
 Concen: 2.667 ng
 RT: 11.06 min Scan# 1560
 Delta R.T. -0.02 min
 Lab File: BF097151.D
 Acq: 28 Jul 2017 13:43

Instrument :
 BNA_F
 ClientSampleId :
 T-2B-14.5-15.0-072117

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.8	23.8
179	14.1	12.7	19.1

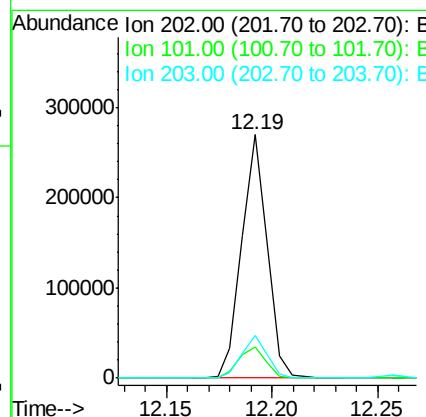
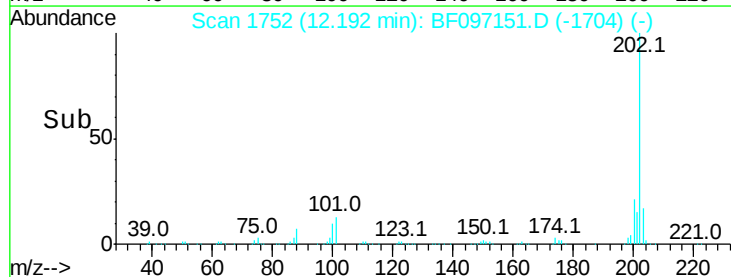
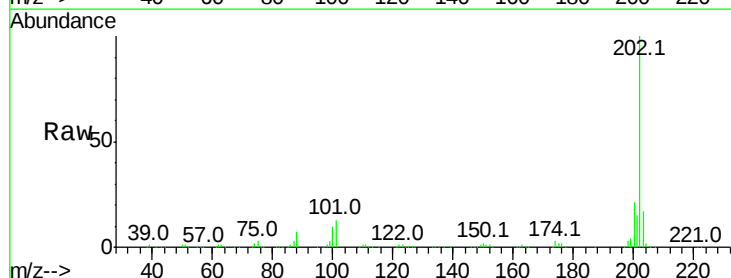
Manual Integrations
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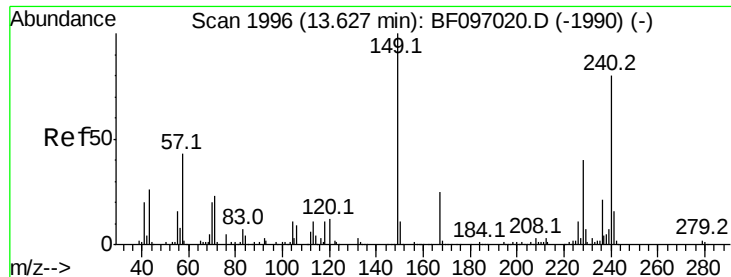
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#74
 Fluoranthene
 Concen: 15.756 ng
 RT: 12.19 min Scan# 1752
 Delta R.T. -0.02 min
 Lab File: BF097151.D
 Acq: 28 Jul 2017 13:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.61 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF097151.D

Acq: 28 Jul 2017 13:43

Instrument :

BNA_F

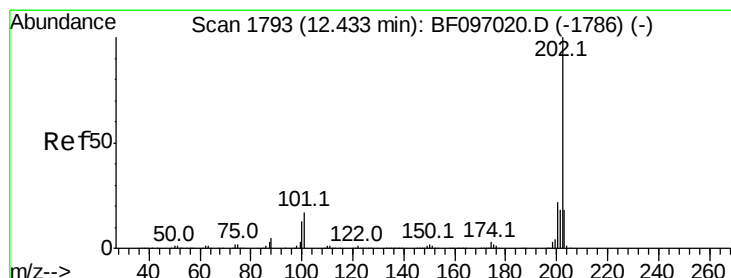
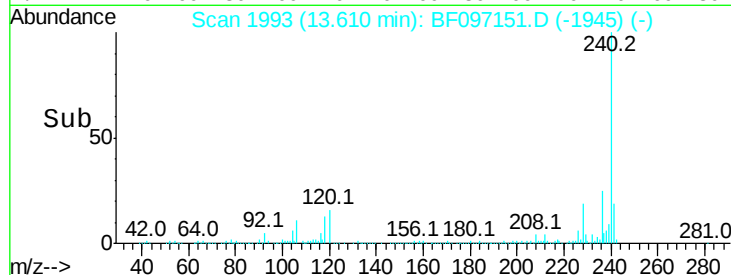
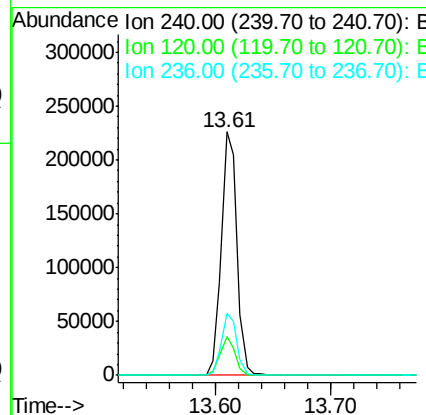
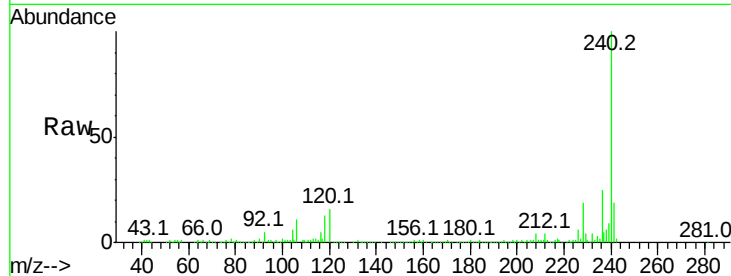
ClientSampleId :

T-2B-14.5-15.0-072117

Tot Ion:	240	Resp:	211817
Ion Ratio	Lower	Upper	
240	100		
120	15.9	5.8	8.8#
236	25.3	20.5	30.7

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#77

Pyrene

Concen: 9.755 ng

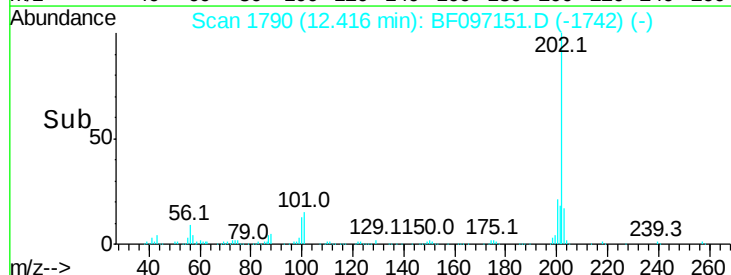
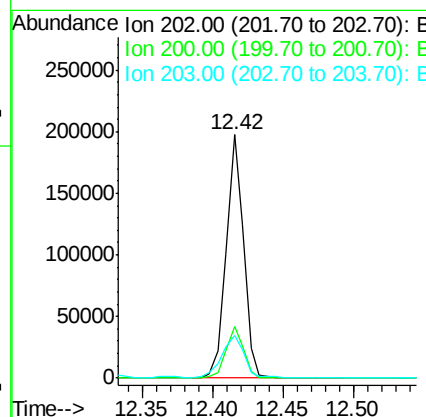
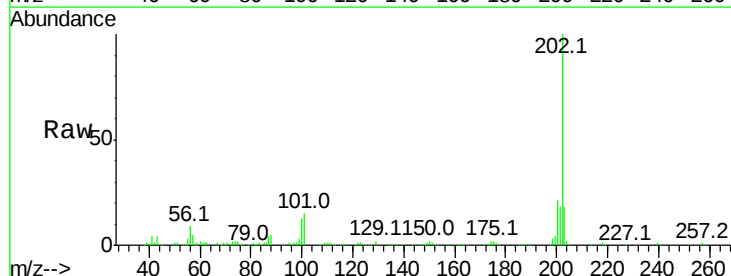
RT: 12.42 min Scan# 1790

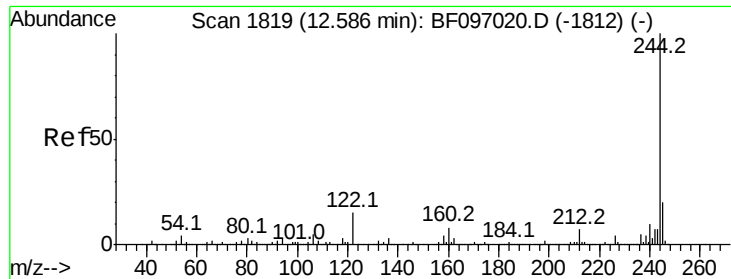
Delta R.T. -0.02 min

Lab File: BF097151.D

Acq: 28 Jul 2017 13:43

Tgt Ion:	202	Resp:	169151
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.6	26.4
203	17.6	14.4	21.6





#78

Terphenyl-d14

Concen: 48.103 ng

RT: 12.57 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF097151.D

Acq: 28 Jul 2017 13:43

Instrument :

BNA_F

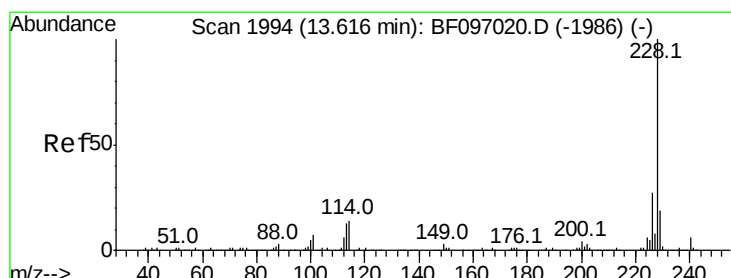
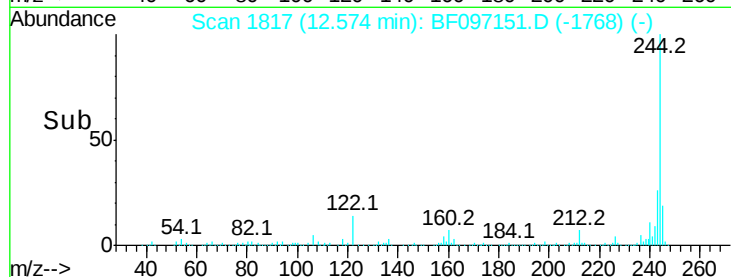
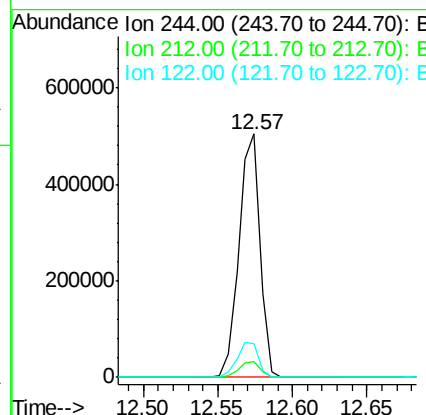
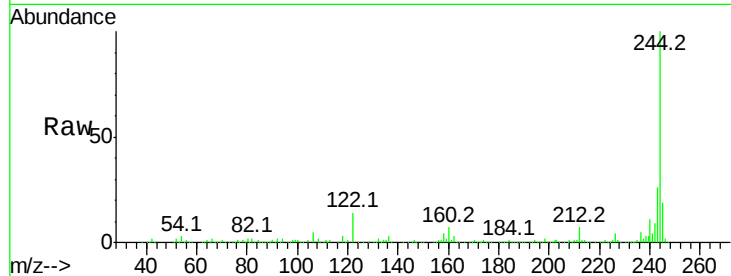
ClientSampleId :

T-2B-14.5-15.0-072117

Tot Ion:	244	Resp:	499742
Ion Ratio	Lower	Upper	
244	100		
212	6.5	6.0	9.0
122	13.7	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 7.199 ng

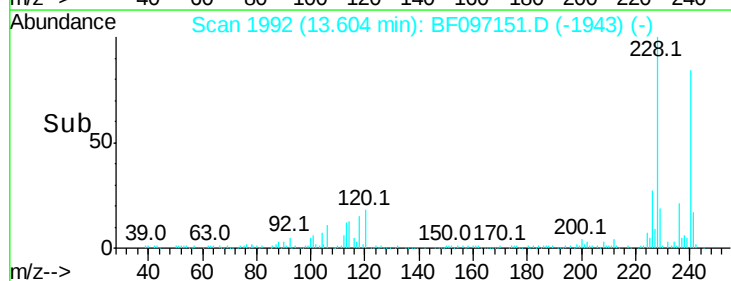
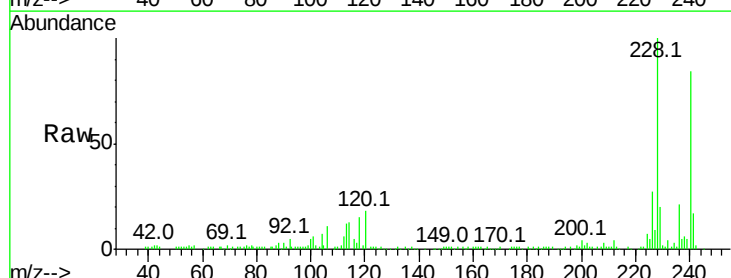
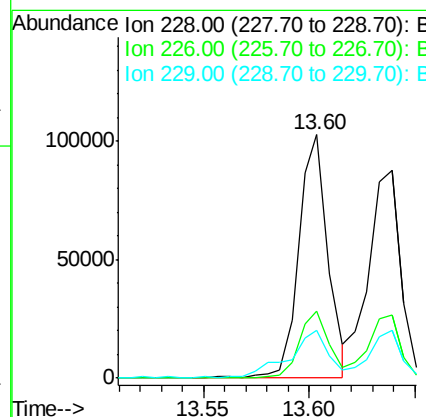
RT: 13.60 min Scan# 1992

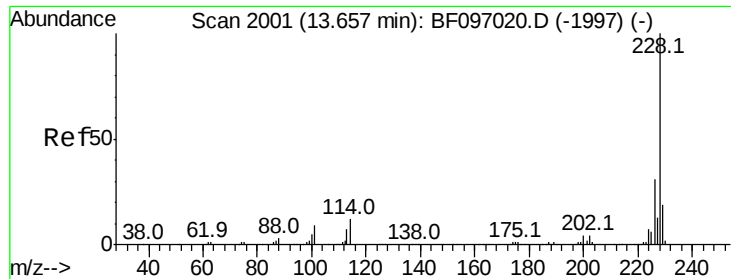
Delta R.T. -0.01 min

Lab File: BF097151.D

Acq: 28 Jul 2017 13:43

Tgt Ion:	228	Resp:	98663
Ion Ratio	Lower	Upper	
228	100		
226	27.3	22.6	33.8
229	19.6	16.3	24.5





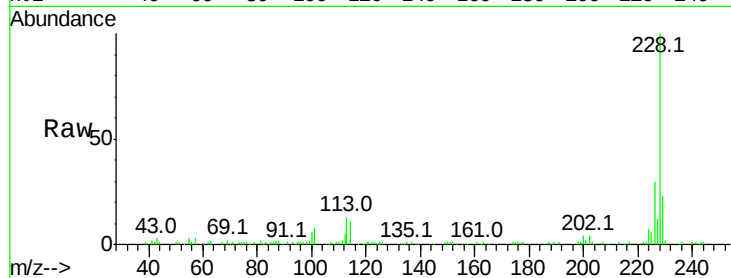
#82
Chrysene
Concen: 7.063 ng
RT: 13.64 min Scan# 1998
Delta R.T. -0.02 min
Lab File: BF097151.D
Acq: 28 Jul 2017 13:43

Instrument :
BNA_F
ClientSampleId :
T-2B-14.5-15.0-072117

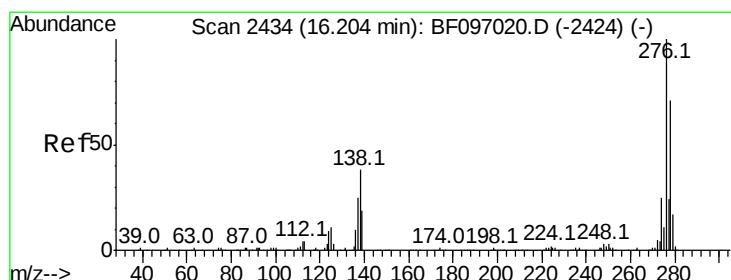
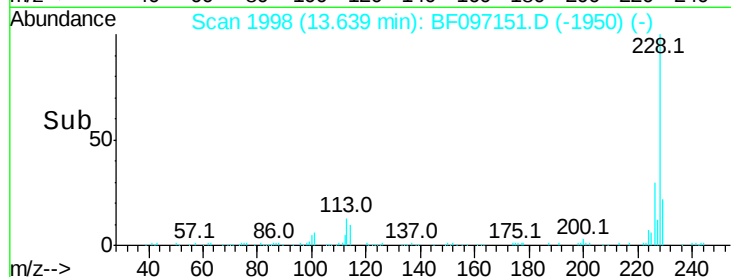
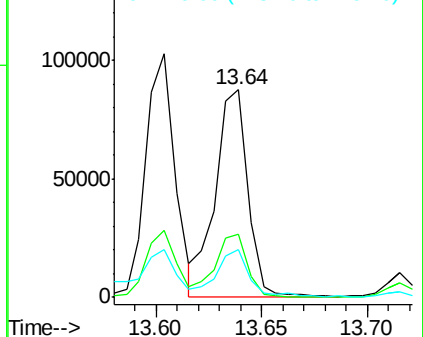
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	22.8	15.8	23.6

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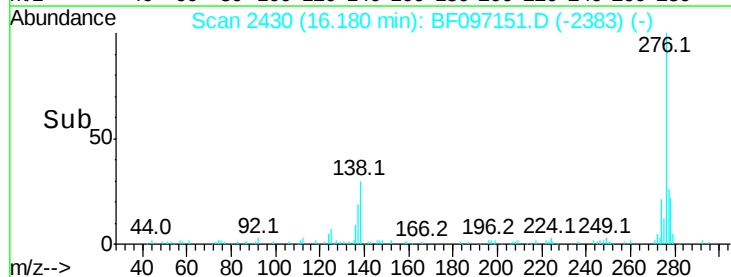
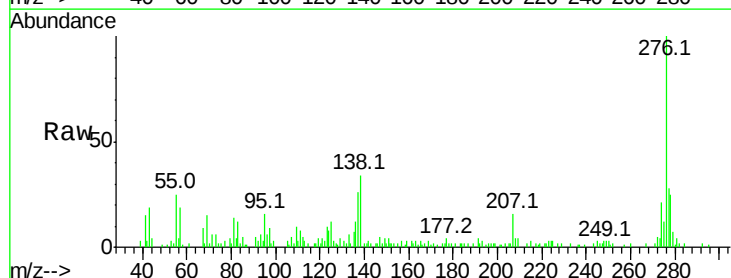
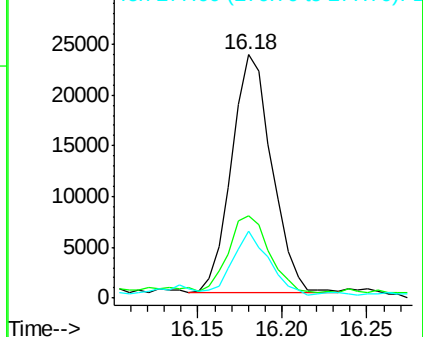
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

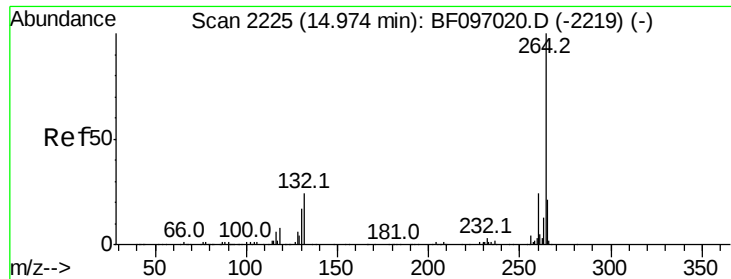


#85
Indeno(1,2,3-cd)pyrene
Concen: 3.373 ng
RT: 16.18 min Scan# 2430
Delta R.T. -0.02 min
Lab File: BF097151.D
Acq: 28 Jul 2017 13:43

Tgt Ion	Ratio	Lower	Upper
276	100		
138	35.4	27.8	41.6
277	24.5	20.2	30.4

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





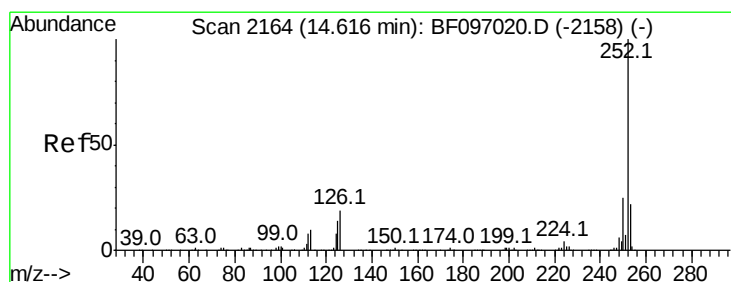
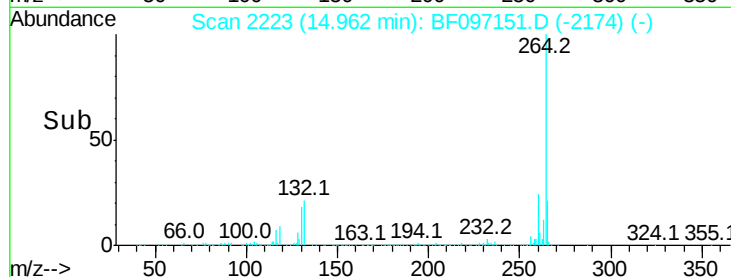
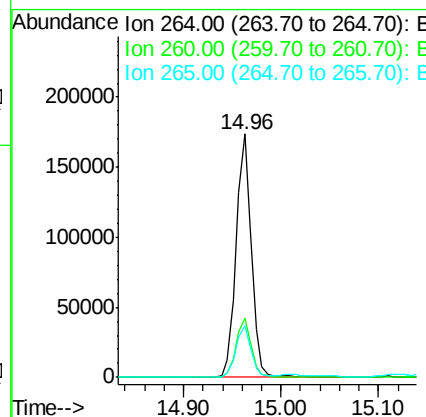
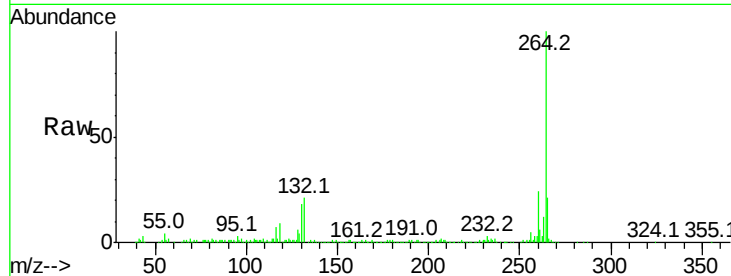
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.96 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF097151.D
Acq: 28 Jul 2017 13:43

Instrument :
BNA_F
ClientSampleId :
T-2B-14.5-15.0-072117

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	21.4	17.2	25.8

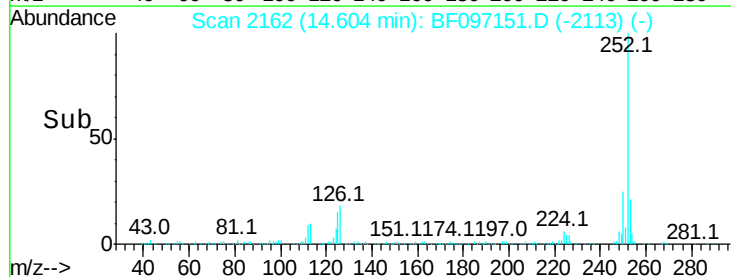
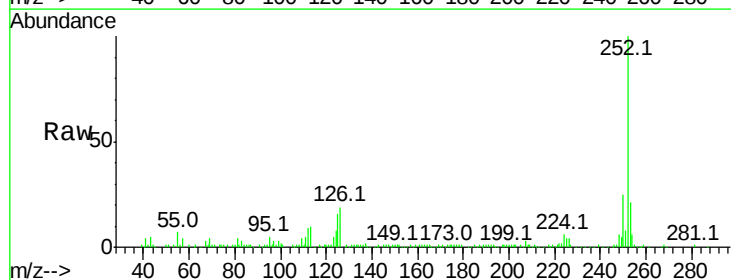
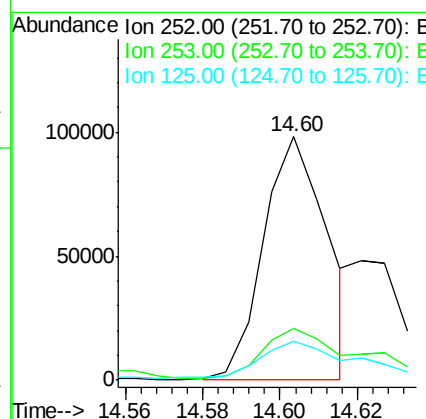
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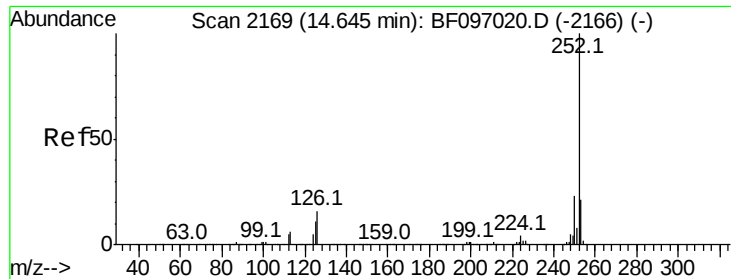
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#87
Benzo(b)fluoranthene
Concen: 9.905 ng m
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF097151.D
Acq: 28 Jul 2017 13:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.1	27.1
125	16.0	9.8	14.8





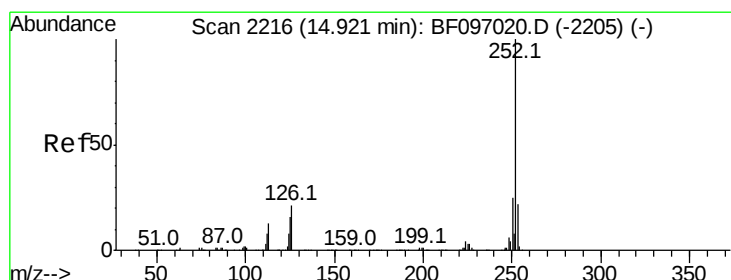
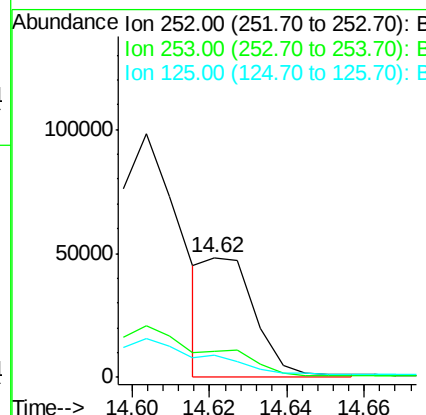
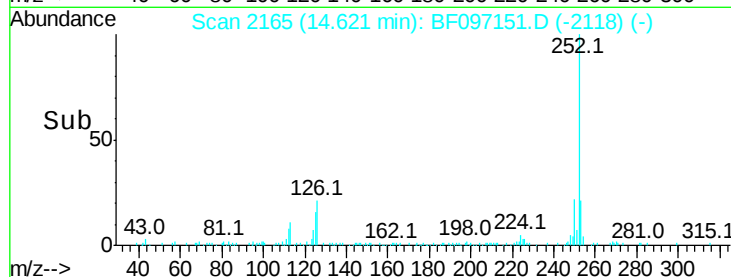
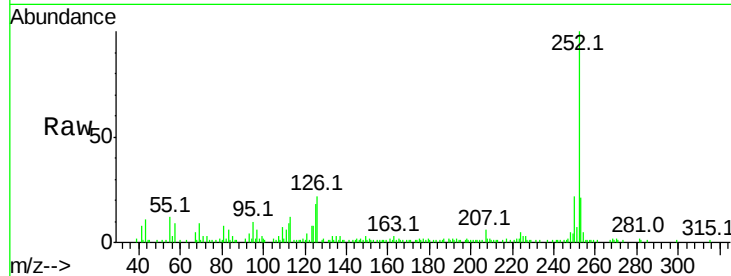
#88
Benzo(k)fluoranthene
Concen: 4.042 ng m
RT: 14.62 min Scan# 2165
Delta R.T. -0.02 min
Lab File: BF097151.D
Acq: 28 Jul 2017 13:43

Instrument :
BNA_F
ClientSampleId :
T-2B-14.5-15.0-072117

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.4	27.6
125	18.1	13.1	19.7

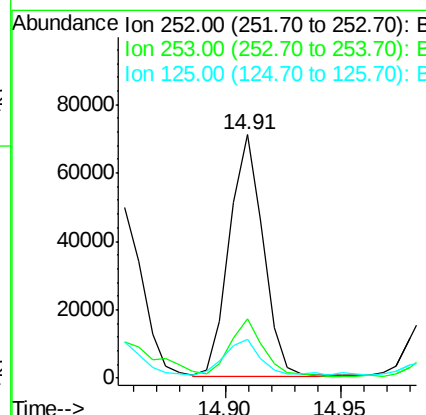
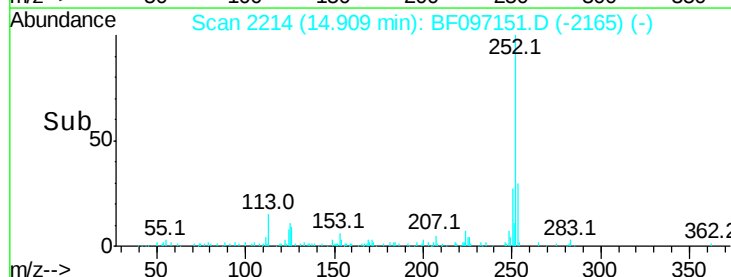
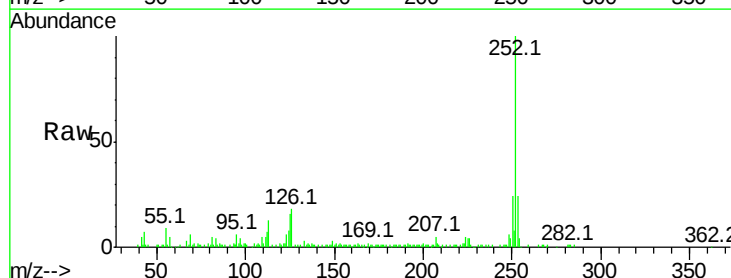
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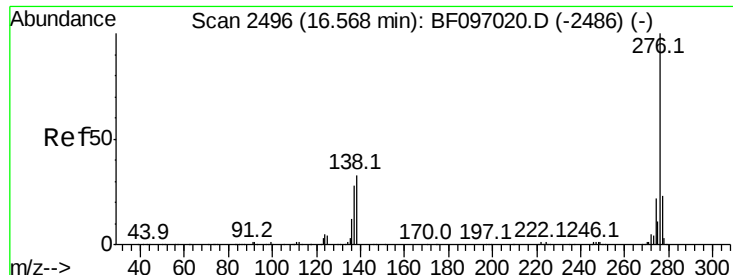
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#89
Benzo(a)pyrene
Concen: 6.978 ng
RT: 14.91 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF097151.D
Acq: 28 Jul 2017 13:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	15.9	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 4.060 ng
 RT: 16.54 min Scan# 2492
 Delta R.T. -0.02 min
 Lab File: BF097151.D
 Acq: 28 Jul 2017 13:43

Instrument :
 BNA_F
 ClientSampleId :
 T-2B-14.5-15.0-072117

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
277	23.3	18.6	28.0	
138	32.2	25.4	38.0	

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