

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
 Data File : BF097524.D
 Acq On : 9 Aug 2017 19:15
 Operator : SJ/JU
 Sample : I4681-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-17-COMP

Manual Integrations
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Quant Time: Aug 10 04:47:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	115610	20.00	ng	-0.01
21) Naphthalene-d8	7.68	136	485723	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	201435	20.00	ng	-0.02
63) Phenanthrene-d10	10.90	188	351299	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	215448	20.00	ng	-0.02
86) Perylene-d12	14.86	264	187949	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.99	112	697139	90.90	ng	-0.02
7) Phenol-d6	6.07	99	842102	96.18	ng	-0.02
23) Nitrobenzene-d5	6.97	82	450861	54.45	ng	-0.02
41) 2,4,6-Tribromophenol	10.22	330	157677	99.07	ng	-0.02
44) 2-Fluorobiphenyl	8.76	172	741959	62.51	ng	-0.02
78) Terphenyl-d14	12.48	244	481445	45.56	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.16	163	220533	14.417	ng	98
57) Fluorene	9.97	166	38771	3.383	ng	93
70) Phenanthrene	10.92	178	547648	29.095	ng	99
71) Anthracene	10.97	178	113111	5.867	ng	98
72) Carbazole	11.15	167	40893	2.157	ng	99
74) Fluoranthene	12.10	202	704040	38.181	ng	98
77) Pyrene	12.33	202	675836	38.317	ng	99
80) Benzo(a)anthracene	13.52	228	376188	26.985	ng	99
82) Chrysene	13.55	228	362173	26.606	ng	98
85) Indeno(1,2,3-cd)pyrene	16.04	276	161064	13.799	ng	94
87) Benzo(b)fluoranthene	14.52	252	429459m	38.012	ng	
88) Benzo(k)fluoranthene	14.54	252	109184m	10.142	ng	
89) Benzo(a)pyrene	14.82	252	285723	27.632	ng	99
90) Dibenzo(a,h)anthracene	16.04	278	41551	4.900	ng	# 76
91) Benzo(a,h,i)perylene	16.40	276	161382	18.149	ng	96

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

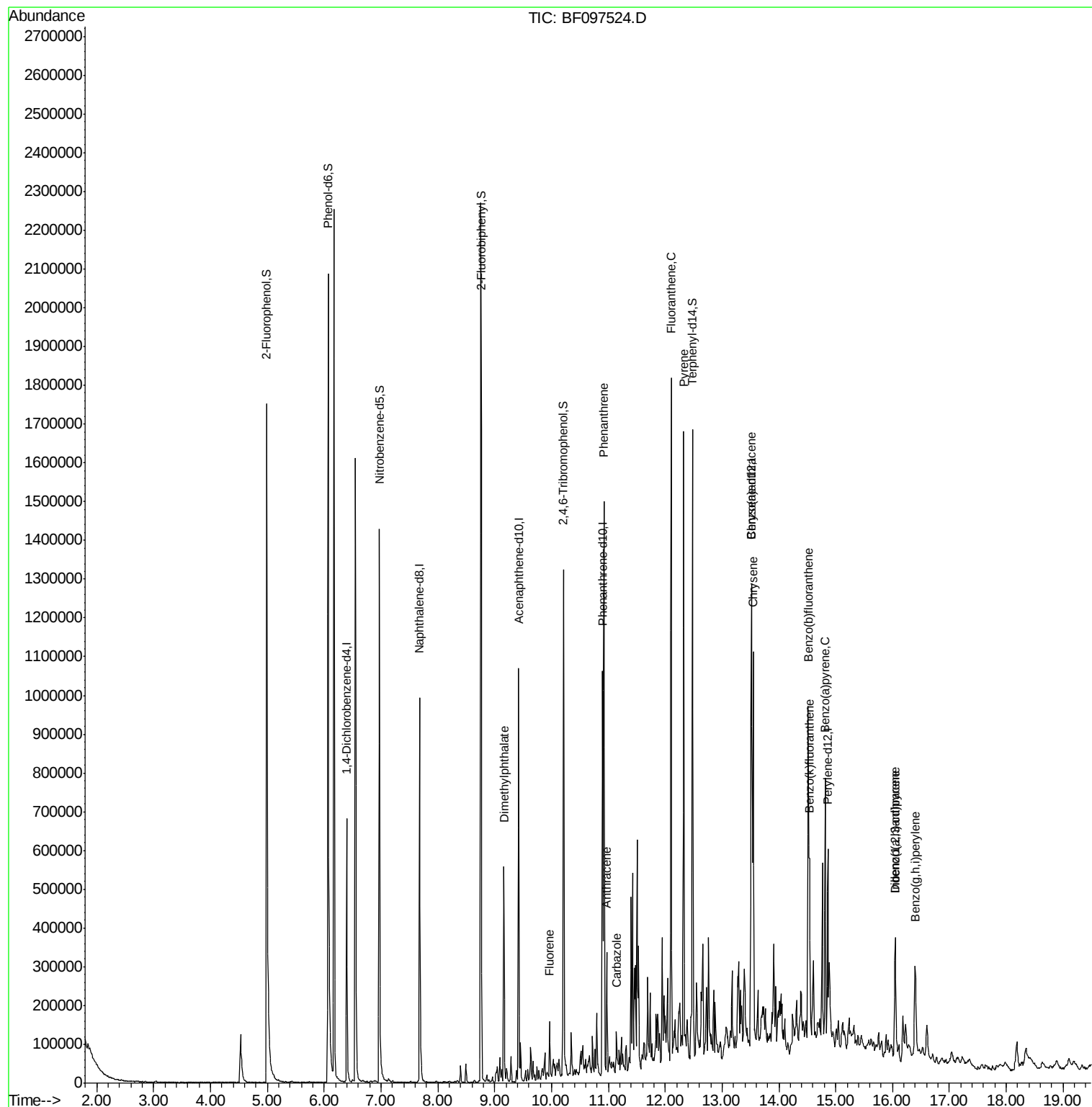
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
Data File : BF097524.D
Acq On : 9 Aug 2017 19:15
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Sample : I4681-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

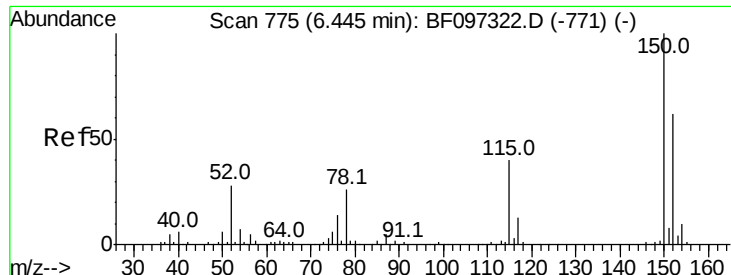
Instrument :
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Response via : Initial Calibration





#1

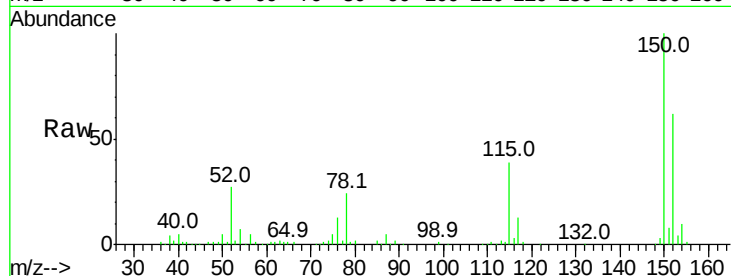
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.40 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF097524.D
Acq: 9 Aug 2017 19:15

Instrument :
BNA_F
ClientSampleId :
SB-17-COMP

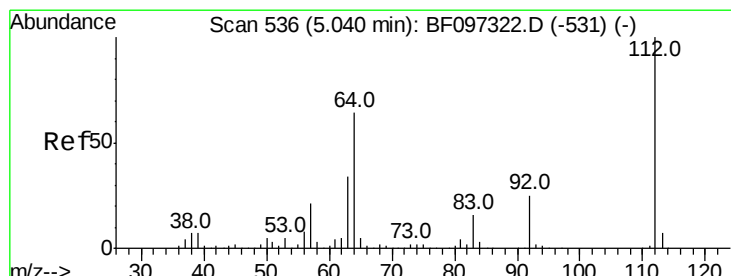
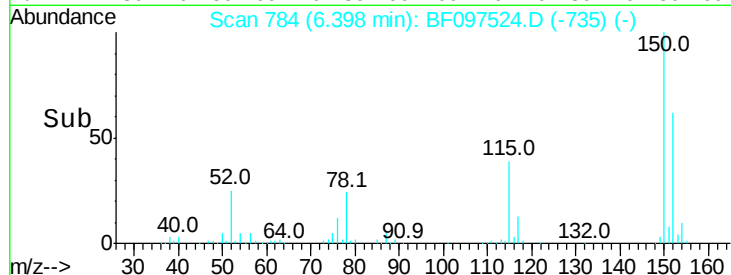
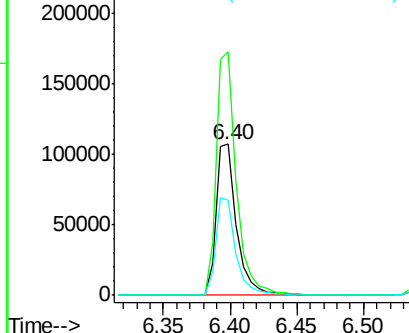
Tot Ion	Ratio	Lower	Upper
152	100		
150	161.1	126.2	189.2
115	62.6	52.2	78.2

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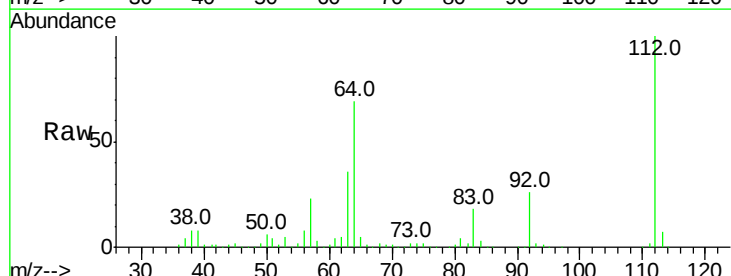
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



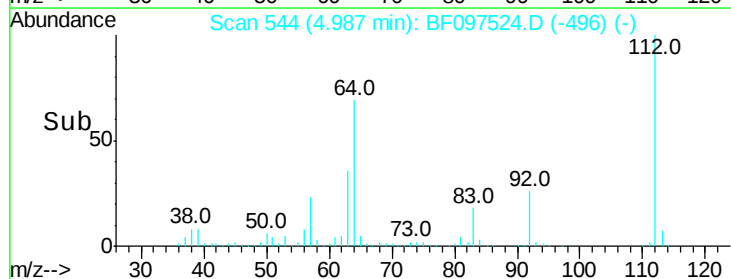
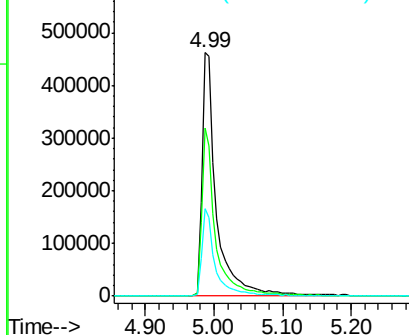
#5

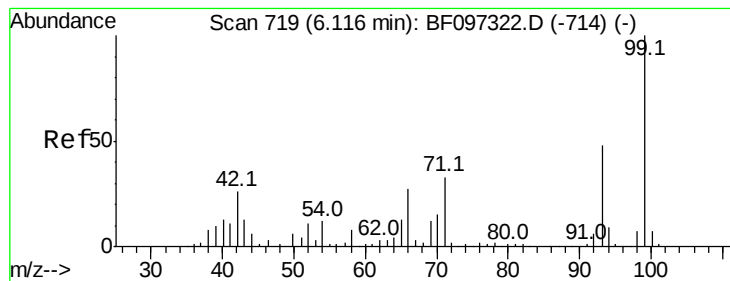
2-Fluorophenol
Concen: 90.903 ng
RT: 4.99 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF097524.D
Acq: 9 Aug 2017 19:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.1	46.0	69.0#
63	36.2	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: 96.184 ng

RT: 6.07 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF097524.D

Acq: 9 Aug 2017 19:15

Instrument :

BNA_F

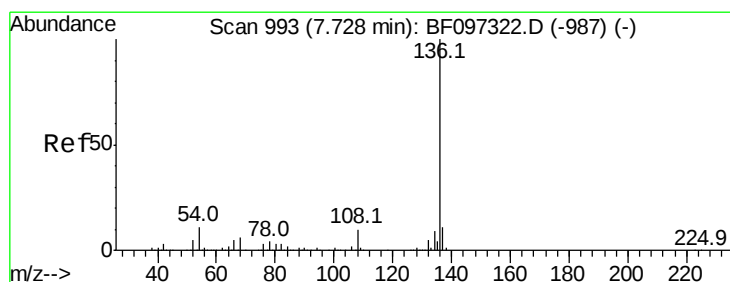
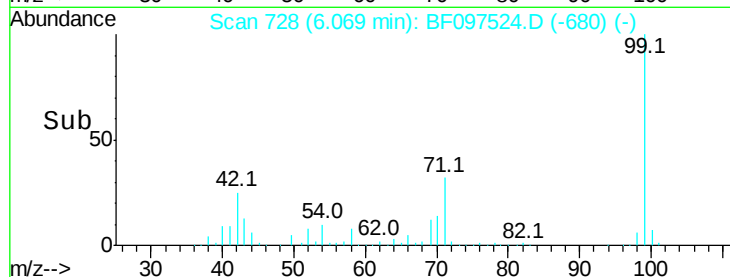
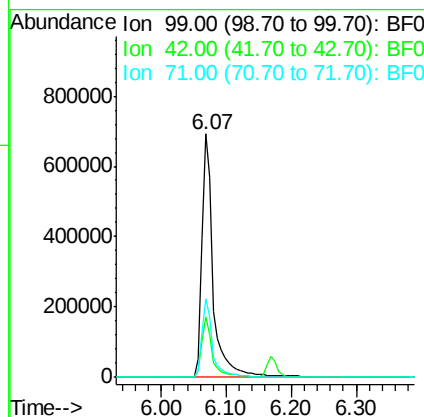
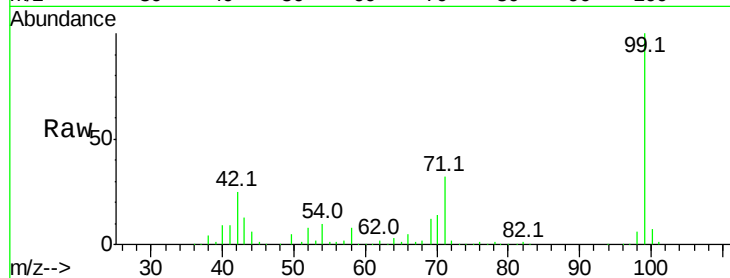
ClientSampleId :

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Tot Ion:	99	Resp:	842102
Ion Ratio	Lower	Upper	
99	100		
42	24.8	13.5	20.3#
71	32.5	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

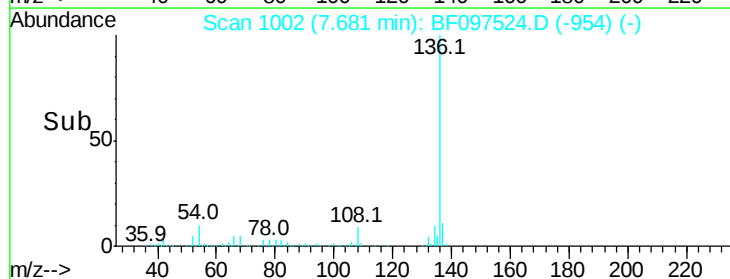
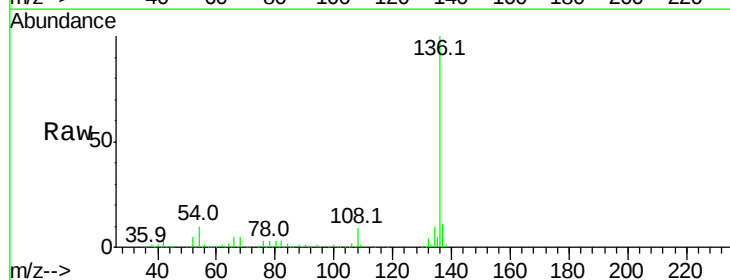
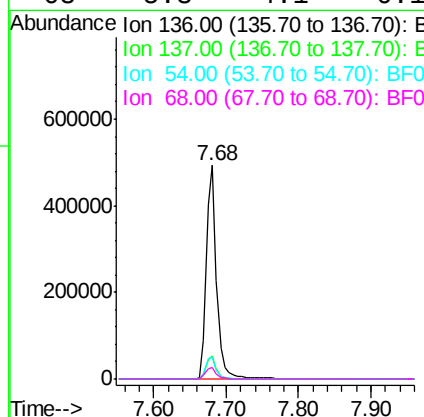
RT: 7.68 min Scan# 1002

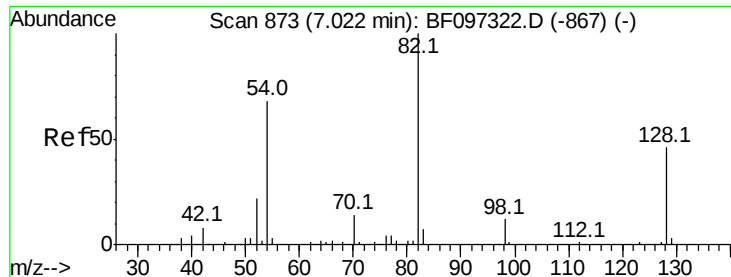
Delta R.T. -0.02 min

Lab File: BF097524.D

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Tgt Ion:	136	Resp:	485723
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	10.3	4.9	7.3#
68	5.3	4.1	6.1





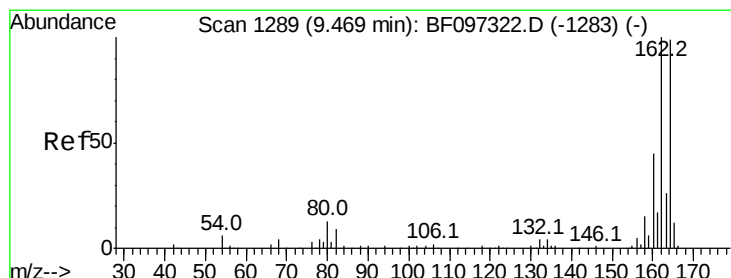
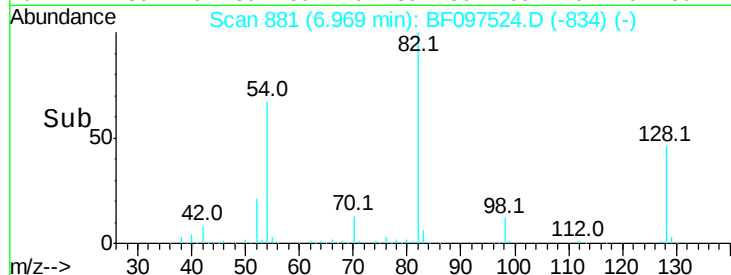
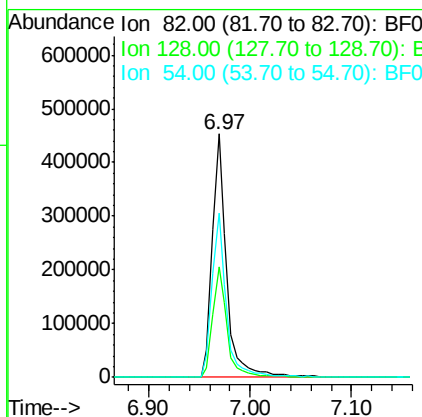
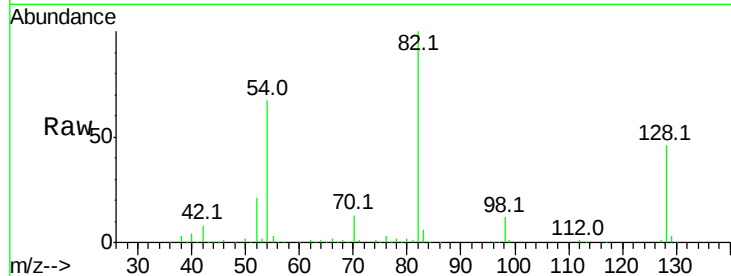
#23
Nitrobenzene-d5
Concen: 54.453 ng
RT: 6.97 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF097524.D
Acq: 9 Aug 2017 19:15

Instrument :
BNA_F
ClientSampleId :
SB-17-COMP

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.7	34.0	51.0	
54	67.3	42.2	63.2	

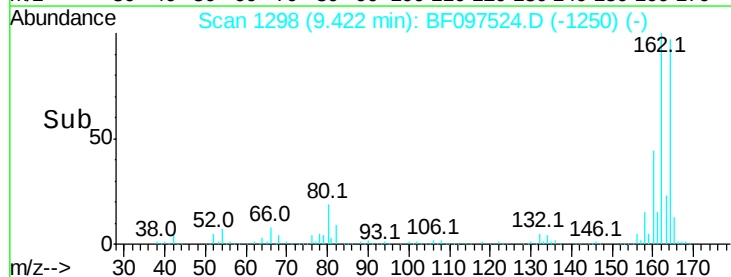
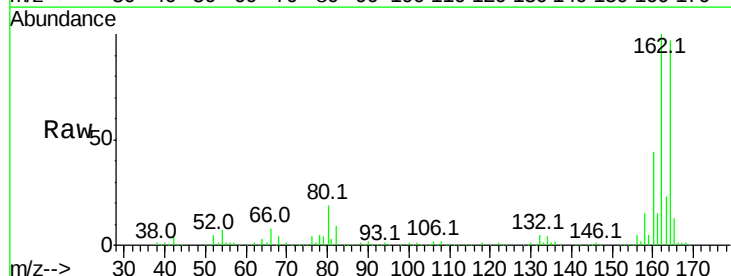
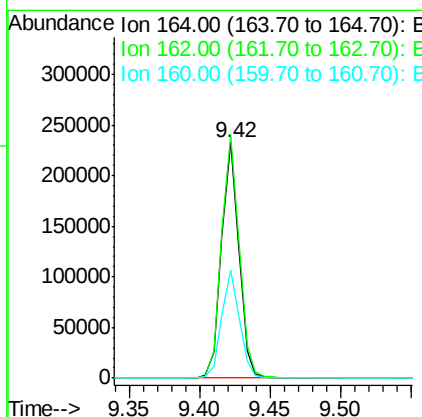
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.42 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BF097524.D
Acq: 9 Aug 2017 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.2	82.6	123.8	
160	45.8	36.2	54.2	





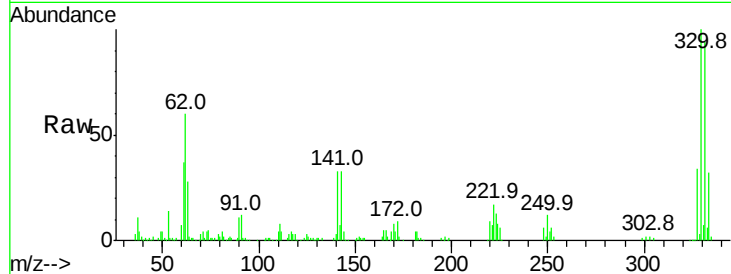
#41
 2,4,6-Tribromophenol
 Concen: 99.073 ng
 RT: 10.22 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF097524.D
 Acq: 9 Aug 2017 19:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-17-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.3	76.6	115.0	
141	41.4	31.4	47.2	

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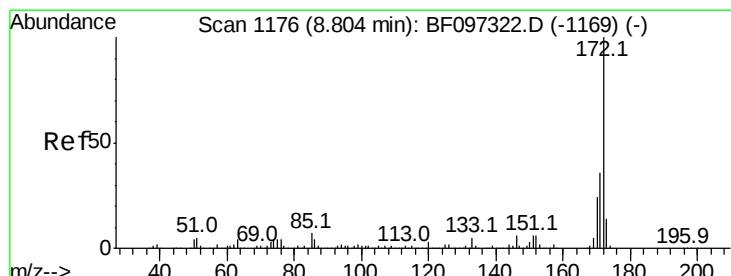
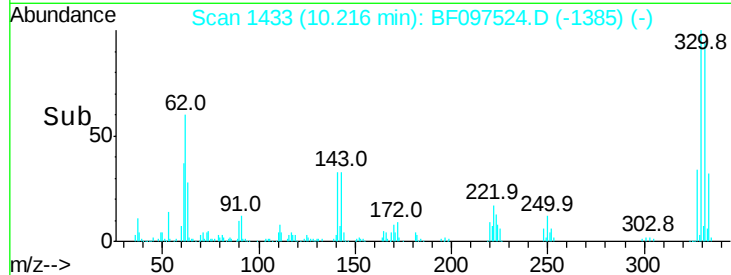
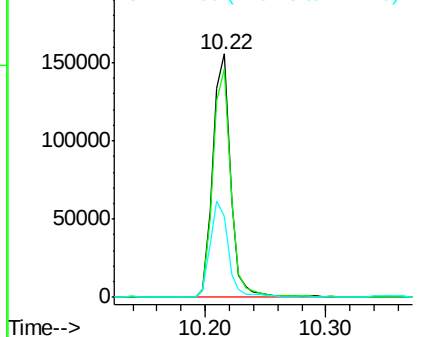


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 62.510 ng
 RT: 8.76 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF097524.D
 Acq: 9 Aug 2017 19:15

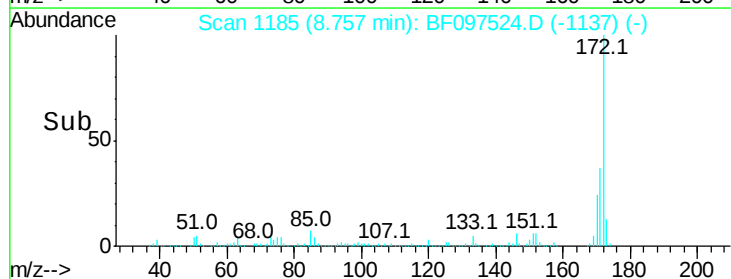
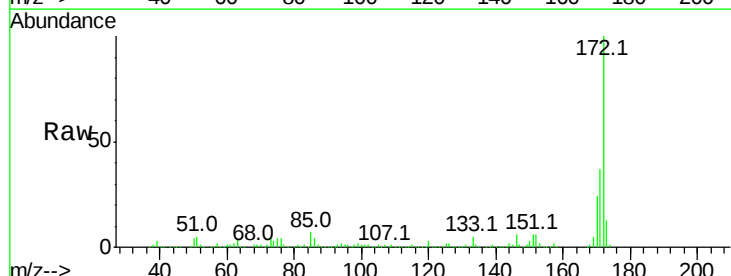
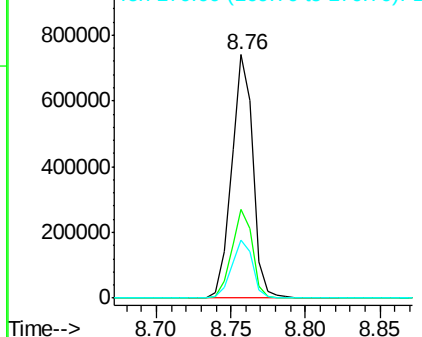
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.6	29.6	44.4	
170	23.9	19.8	29.8	

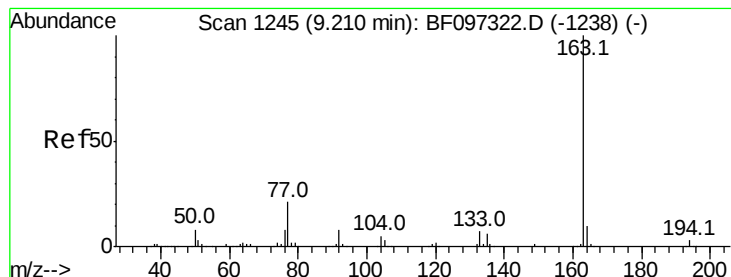
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 14.417 ng

RT: 9.16 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF097524.D

Acq: 9 Aug 2017 19:15

Instrument :

BNA_F

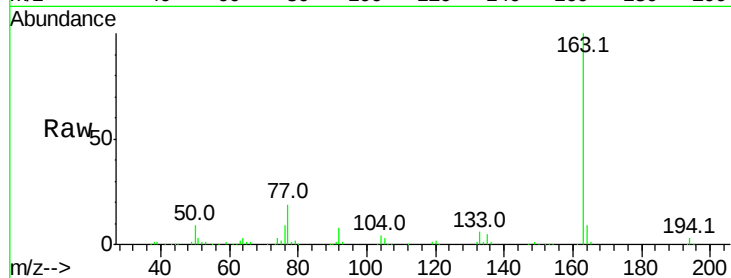
ClientSampleId :

SB-17-COMP

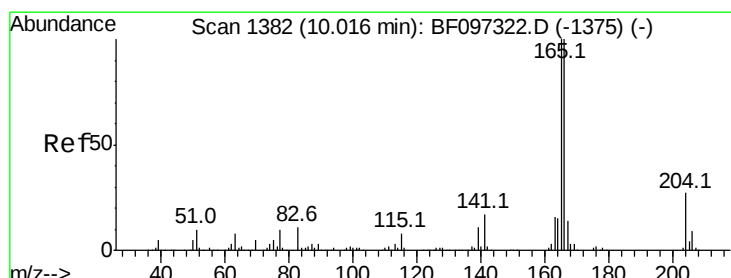
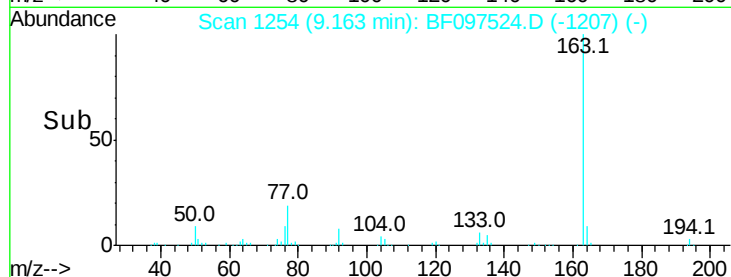
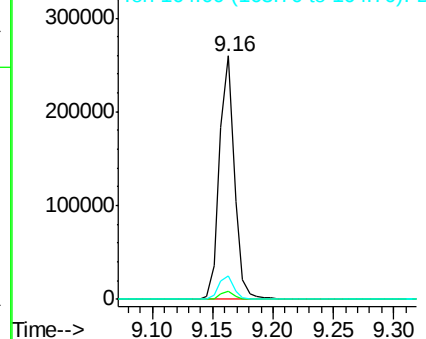
Tot Ion:	163	Resp:	220533
Ion Ratio		Lower	Upper
163	100		
194	3.1	2.6	4.0
164	9.5	8.4	12.6

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#57

Fluorene

Concen: 3.383 ng

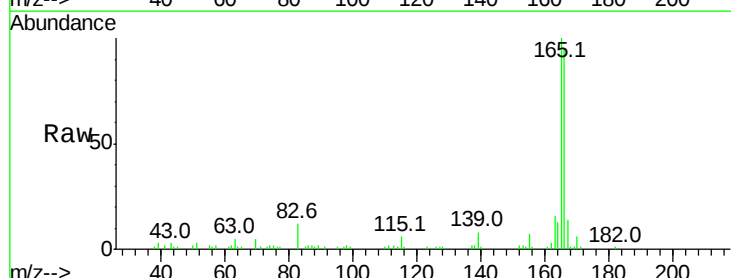
RT: 9.97 min Scan# 1391

Delta R.T. -0.02 min

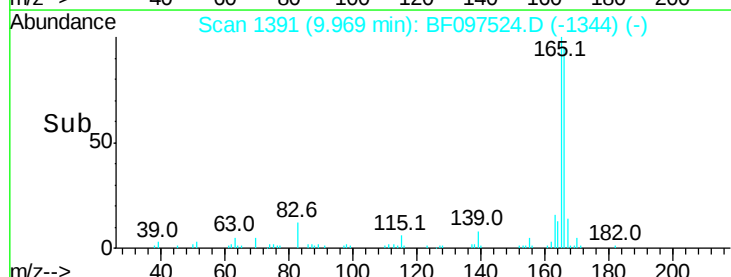
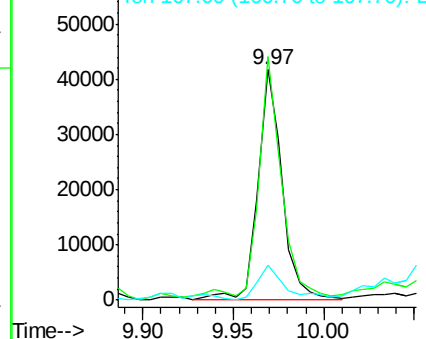
Lab File: BF097524.D

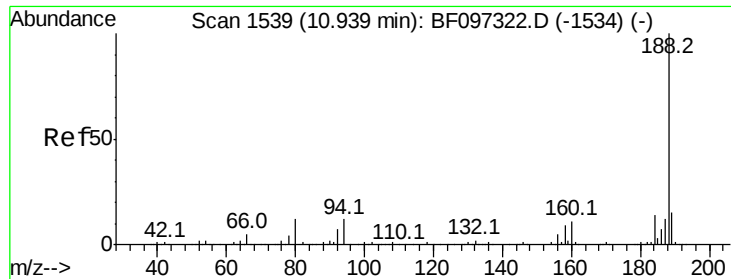
Acq: 9 Aug 2017 19:15

Tgt Ion:	166	Resp:	38771
Ion Ratio		Lower	Upper
166	100		
165	105.7	78.8	118.2
167	15.3	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 10.90 min Scan# 1549

Delta R.T. -0.02 min

Lab File: BF097524.D

Acq: 9 Aug 2017 19:15

Instrument :

BNA_F

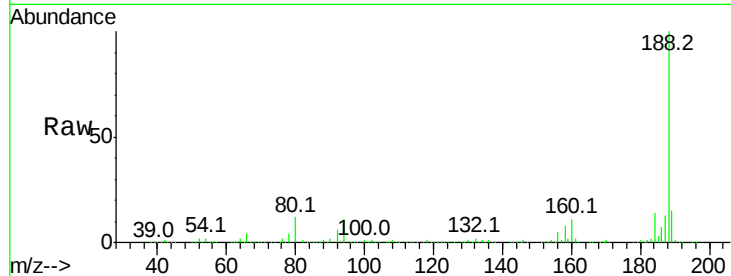
ClientSampled :

SB-17-COMP

Tot Ion:	188	Resp:	351299
Ion Ratio	Lower	Upper	
188	100		
94	10.9	9.4	14.2
80	11.8	10.2	15.2

Manual Integrations
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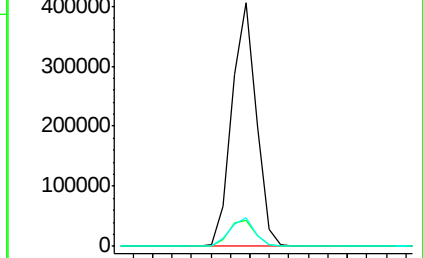
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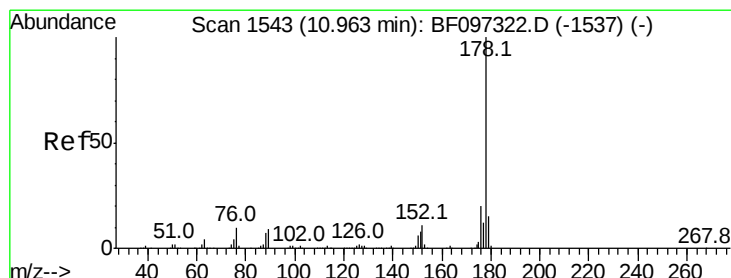
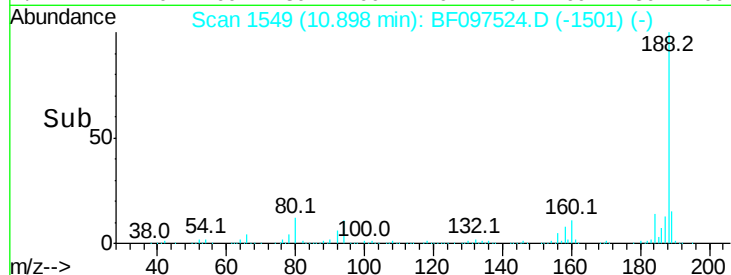
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#70

Phenanthrene

Concen: 29.095 ng

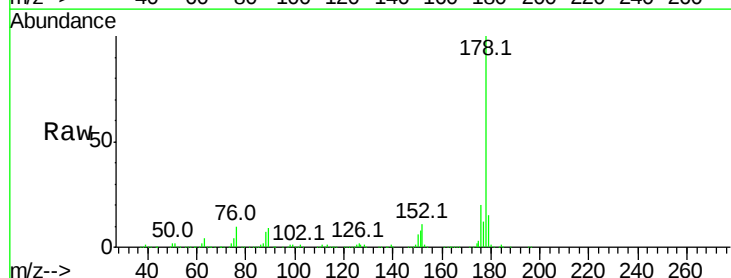
RT: 10.92 min Scan# 1553

Delta R.T. -0.02 min

Lab File: BF097524.D

Acq: 9 Aug 2017 19:15

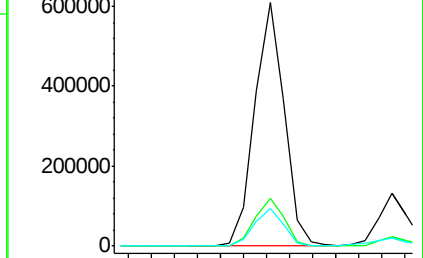
Tgt Ion:	178	Resp:	547648
Ion Ratio	Lower	Upper	
178	100		
176	19.5	16.2	24.4
179	15.5	12.6	19.0



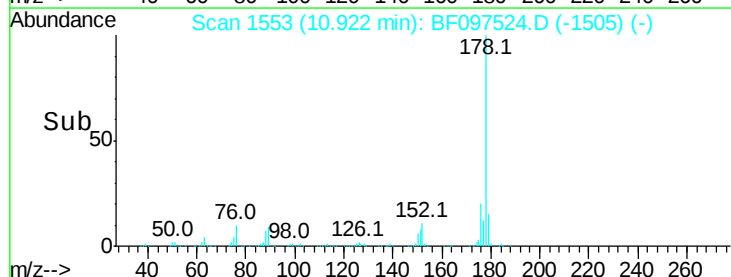
Abundance Ion 178.00 (177.70 to 178.70): E

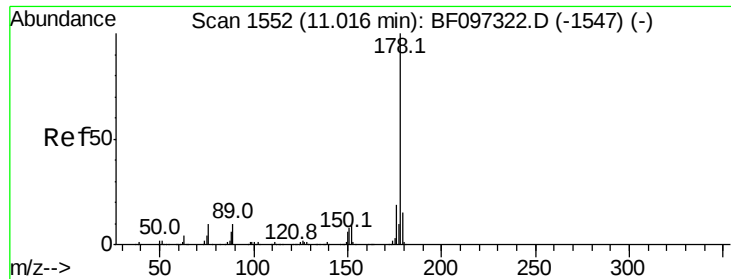
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





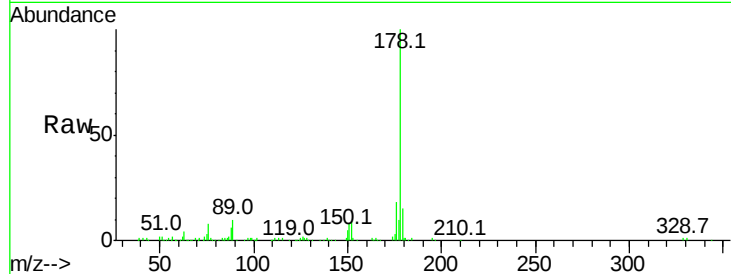
#71
 Anthracene
 Concen: 5.867 ng
 RT: 10.97 min Scan# 1562
 Delta R.T. -0.02 min
 Lab File: BF097524.D
 Acq: 9 Aug 2017 19:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-17-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	15.4	12.7	19.1

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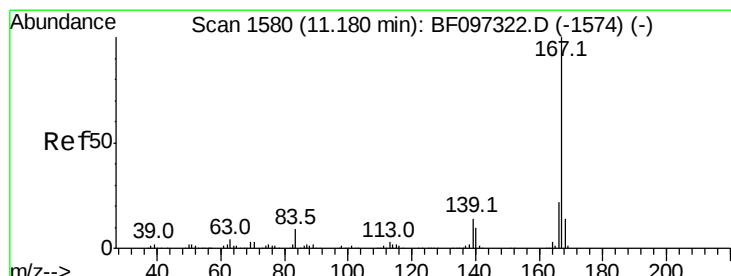
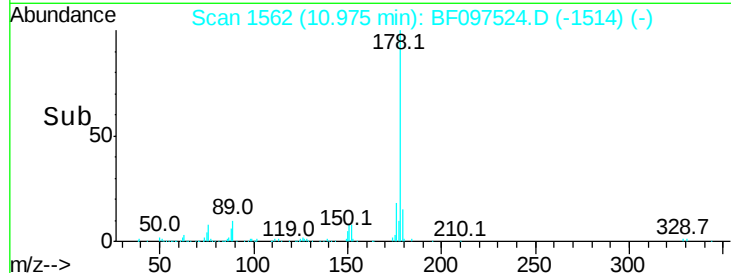
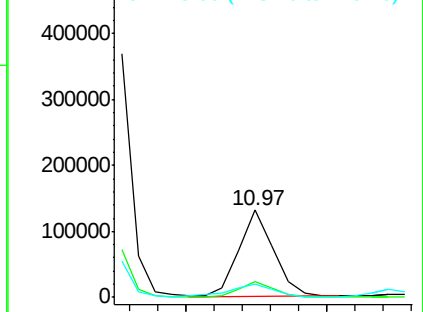


Abundance

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



#72
 Carbazole
 Concen: 2.157 ng
 RT: 11.15 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: BF097524.D
 Acq: 9 Aug 2017 19:15

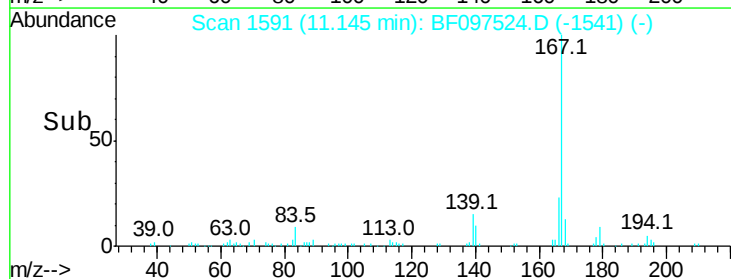
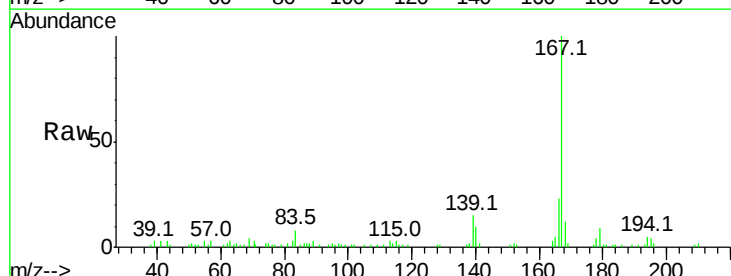
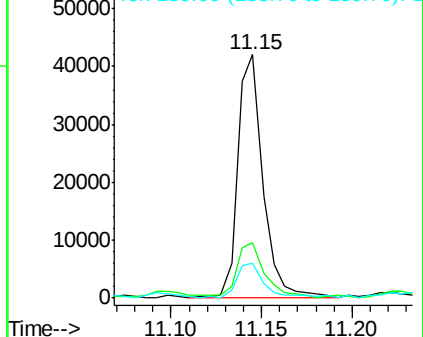
Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.0	18.1	27.1
139	14.5	11.7	17.5

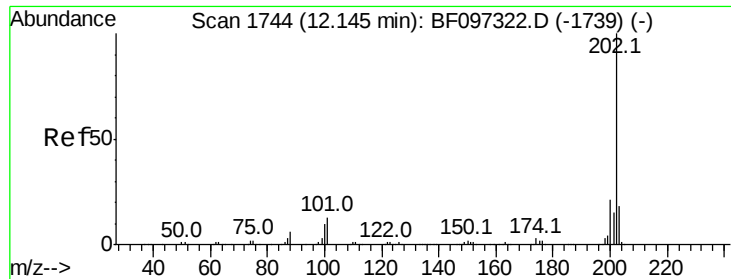
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 38.181 ng

RT: 12.10 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF097524.D

Acq: 9 Aug 2017 19:15

Instrument :

BNA_F

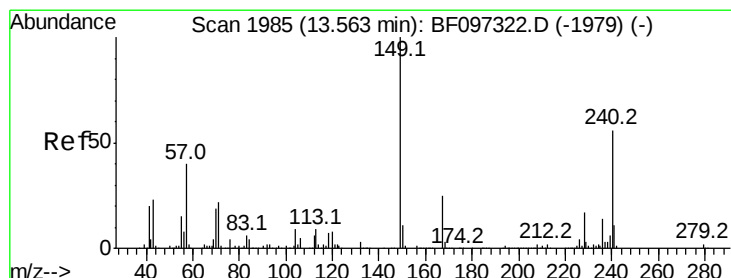
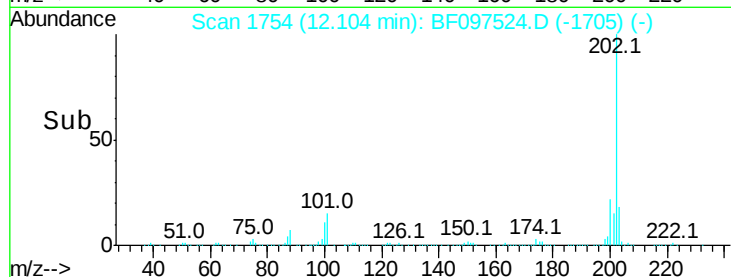
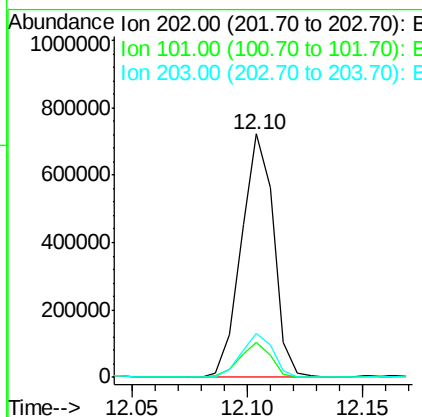
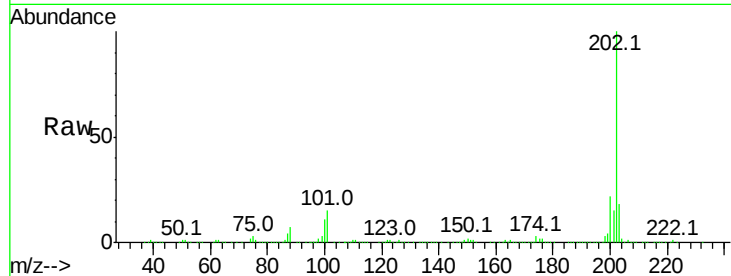
ClientSampleId :

SB-17-COMP

Tot Ion	Ratio	Resp	Lower	Upper
202	100	704040		
101	14.5	0.0	33.2	
203	17.8	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

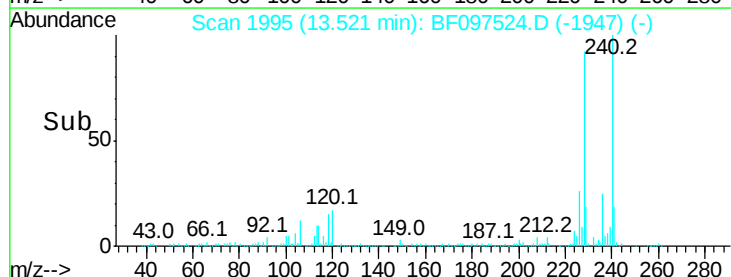
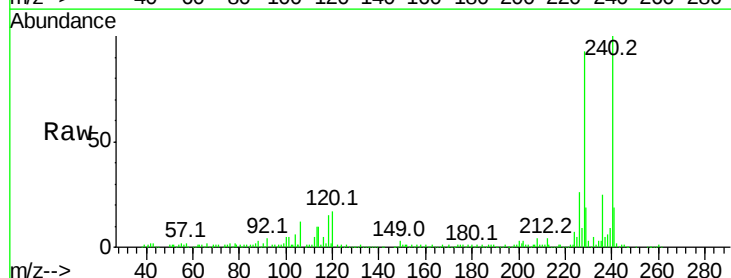
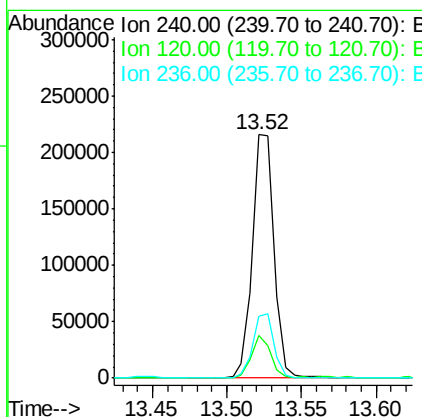
RT: 13.52 min Scan# 1995

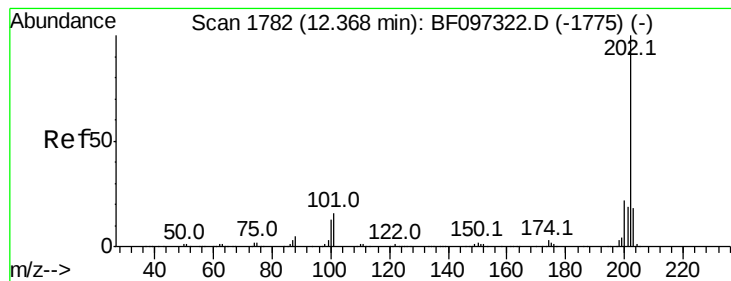
Delta R.T. -0.02 min

Lab File: BF097524.D

Acq: 9 Aug 2017 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	215448		
120	17.4	5.8	8.8#	
236	25.3	20.5	30.7	





#77

Pvrene

Concen: 38.317 ng

RT: 12.33 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF097524.D

Acq: 9 Aug 2017 19:15

Instrument :

BNA_F

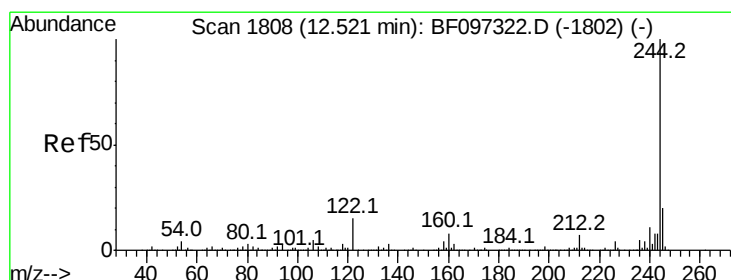
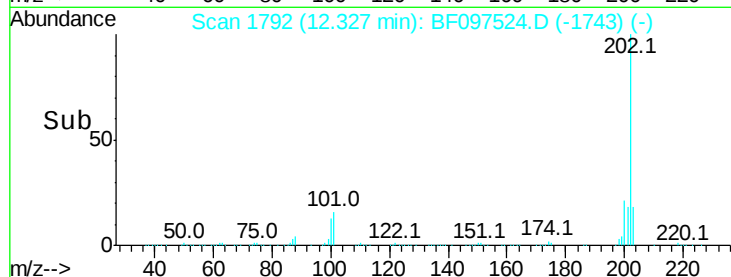
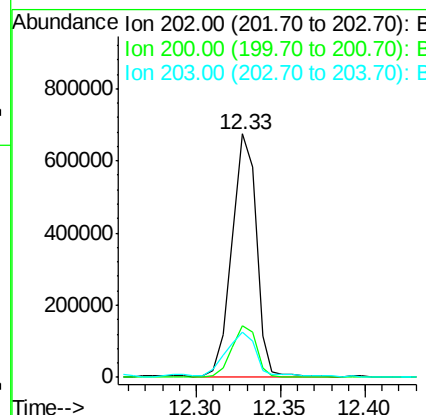
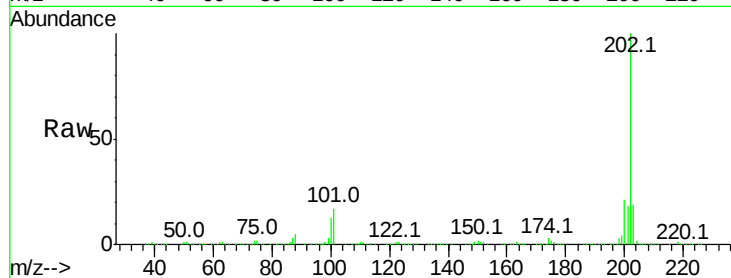
ClientSampleId :

SB-17-COMP

Tot Ion:	202	Resp:	675836
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.6	26.4
203	18.5	14.4	21.6

Manual Integrations
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#78

Terphenyl-d14

Concen: 45.561 ng

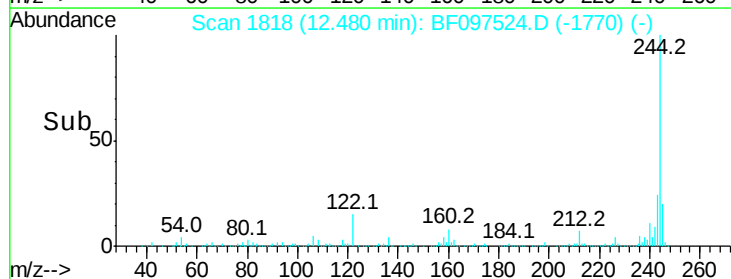
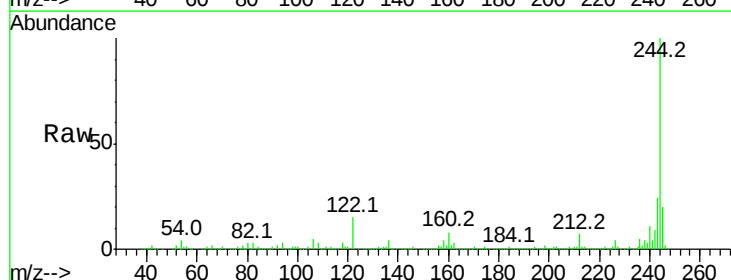
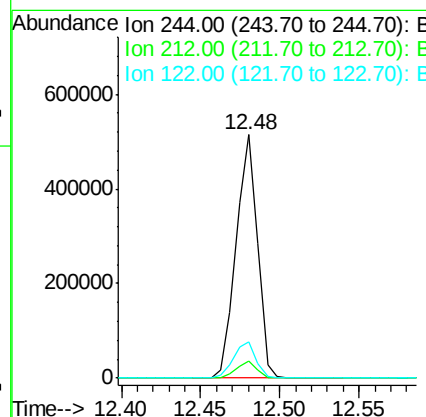
RT: 12.48 min Scan# 1818

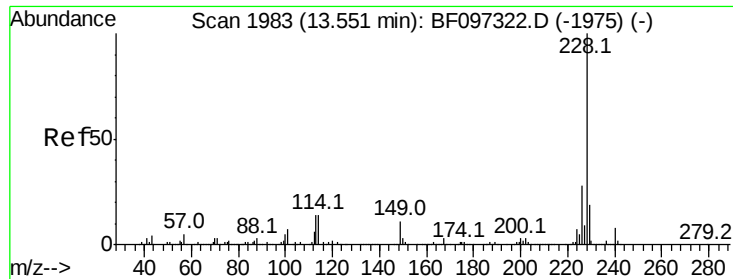
Delta R.T. -0.02 min

Lab File: BF097524.D

Acq: 9 Aug 2017 19:15

Tgt Ion:	244	Resp:	481445
Ion Ratio	Lower	Upper	
244	100		
212	7.1	6.0	9.0
122	14.8	10.3	15.5





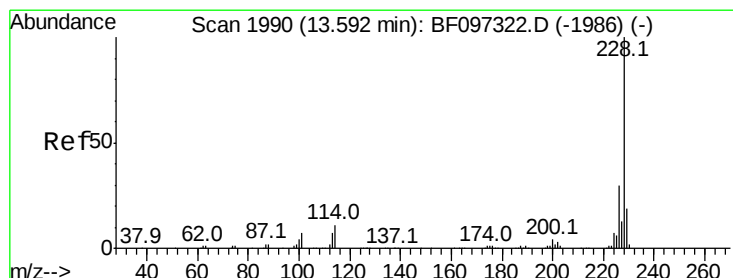
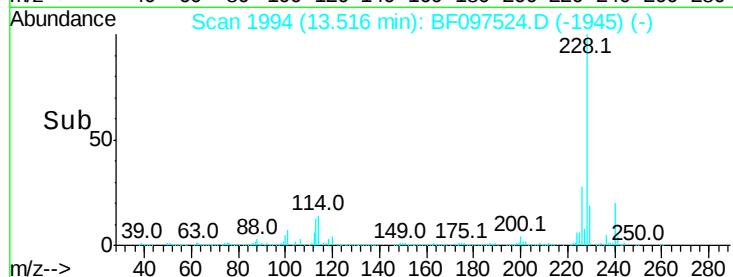
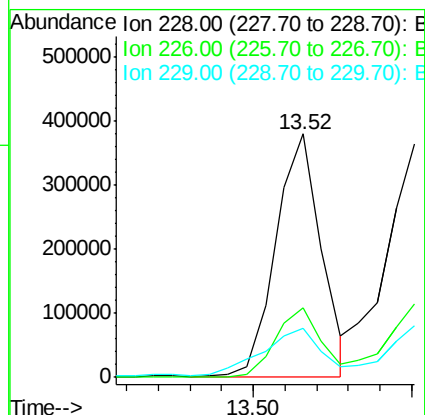
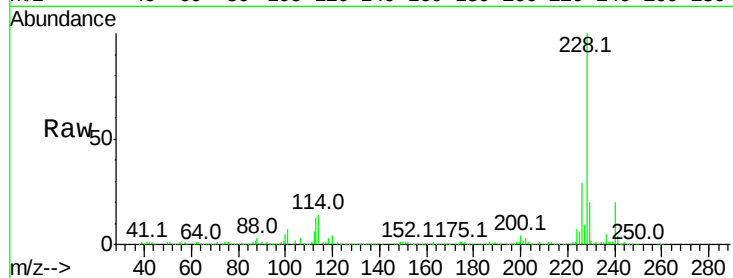
#80
Benzo(a)anthracene
Concen: 26.985 ng
RT: 13.52 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF097524.D
Acq: 9 Aug 2017 19:15

Instrument :
BNA_F
ClientSampleId :
SB-17-COMP

Tot Ion	Ratio	Resp	Lower	Upper
228	100	376188		
226	28.5		22.6	33.8
229	20.3		16.3	24.5

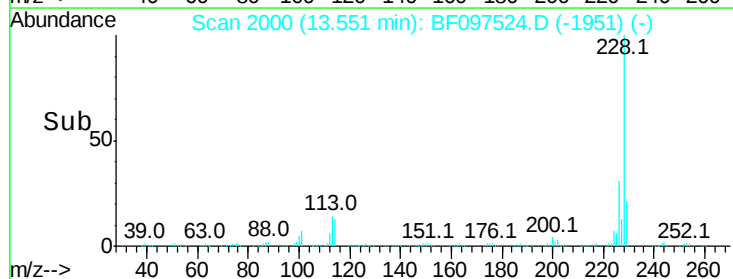
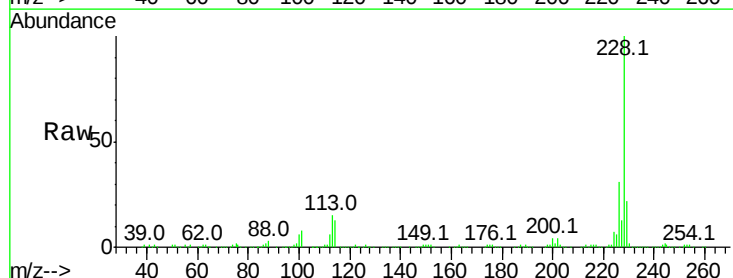
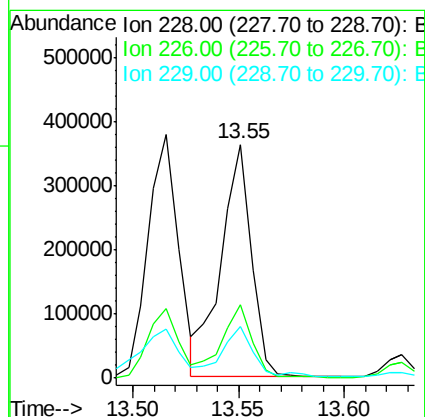
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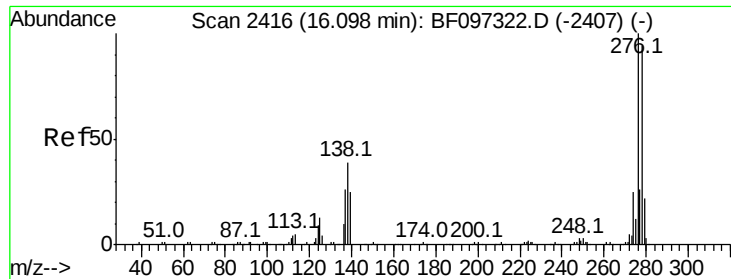
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#82
Chrysene
Concen: 26.606 ng
RT: 13.55 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF097524.D
Acq: 9 Aug 2017 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	362173		
226	31.2		24.9	37.3
229	22.1		15.8	23.6





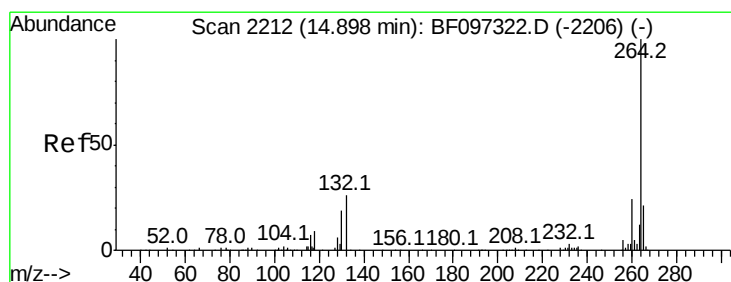
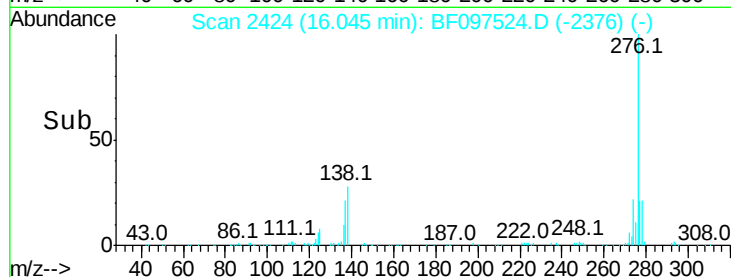
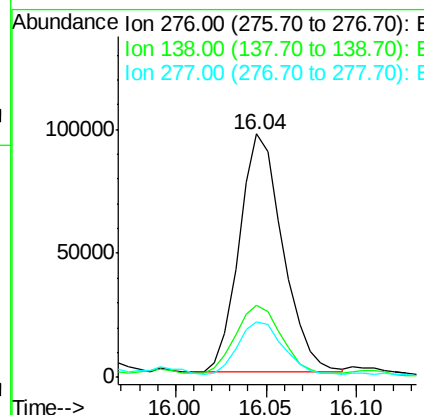
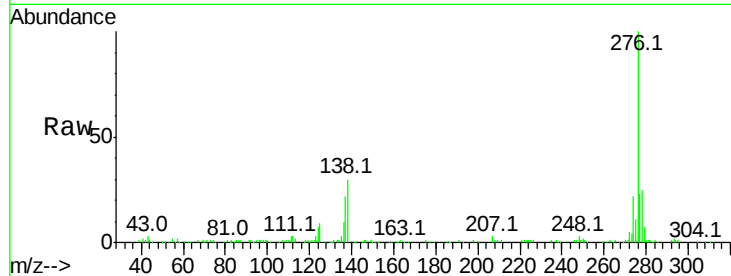
#85
Indeno(1,2,3-cd)pyrene
Concen: 13.799 ng
RT: 16.04 min Scan# 2424
Delta R.T. -0.02 min
Lab File: BF097524.D
Acq: 9 Aug 2017 19:15

Instrument :
BNA_F
ClientSampled :
SB-17-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.9	27.8	41.6
277	22.6	20.2	30.4

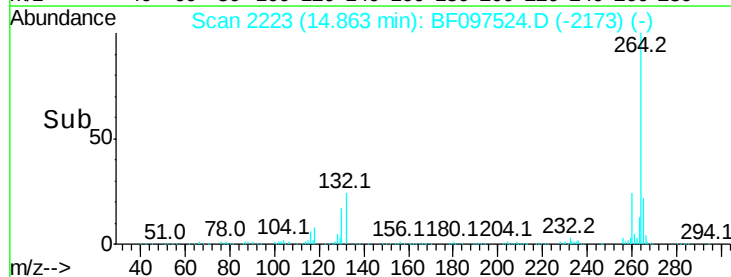
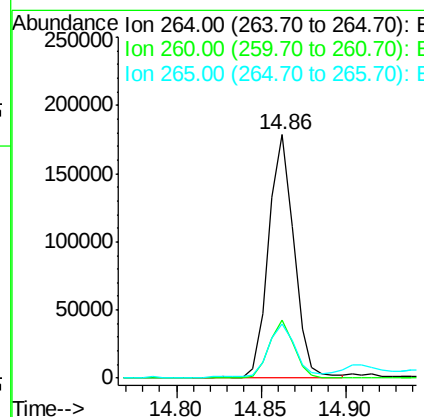
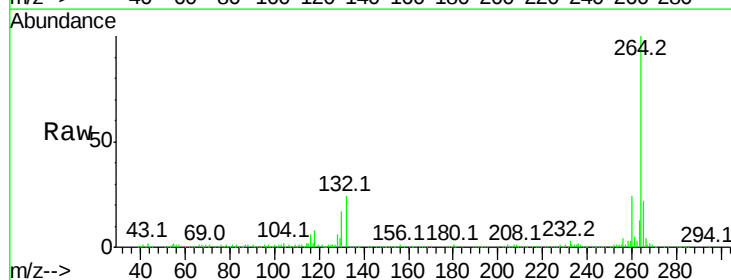
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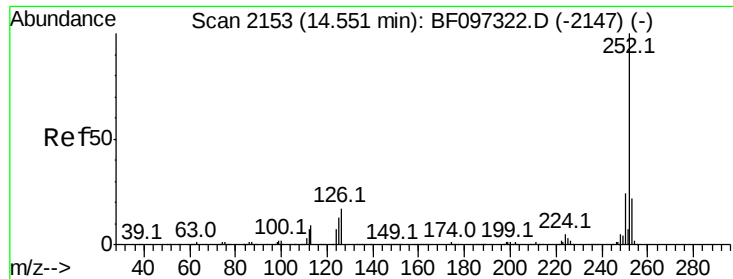
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#86
Perylene-d12
Concen: 20.000 ng
RT: 14.86 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF097524.D
Acq: 9 Aug 2017 19:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	22.2	17.2	25.8





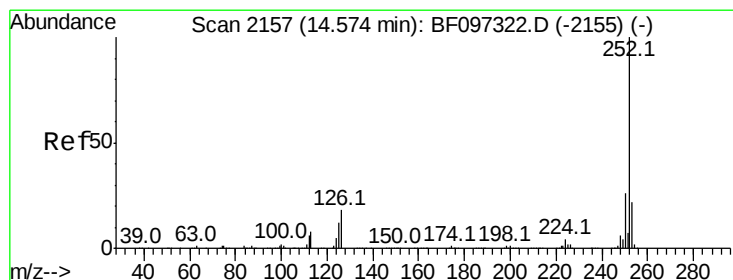
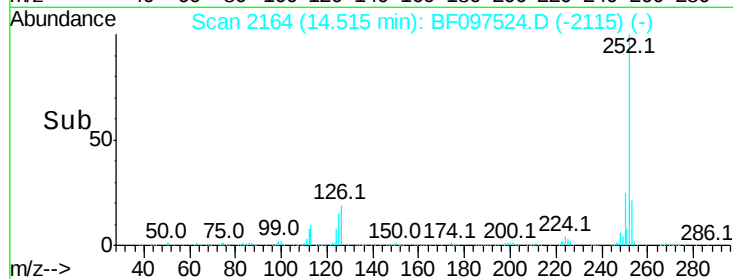
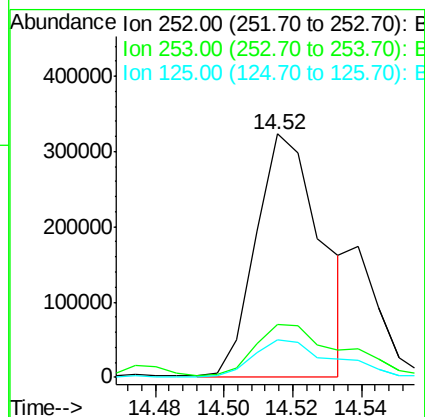
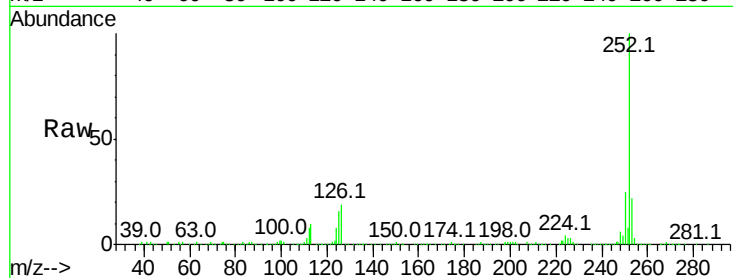
#87
Benzo(b)fluoranthene
Concen: 38.012 ng m
RT: 14.52 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF097524.D
Acq: 9 Aug 2017 19:15

Instrument :
BNA_F
ClientSampleId :
SB-17-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	15.5	9.8	14.8

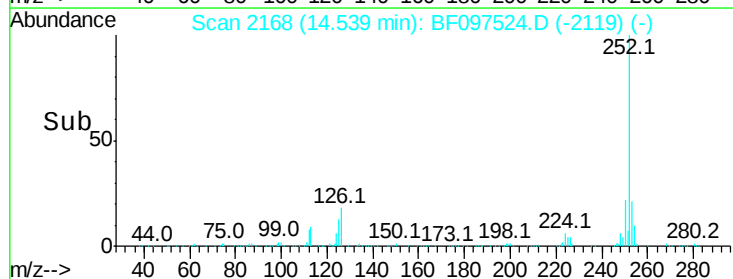
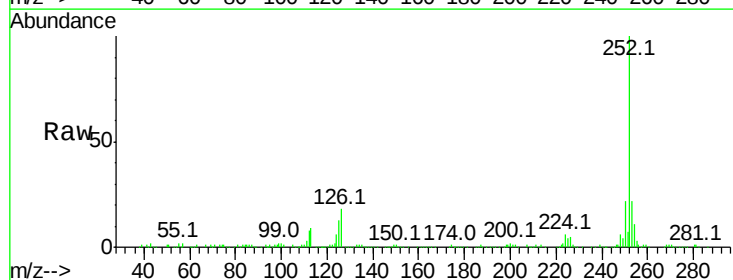
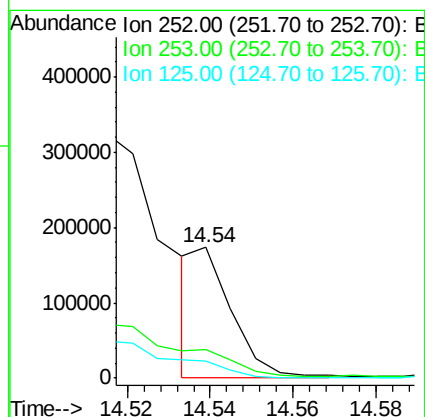
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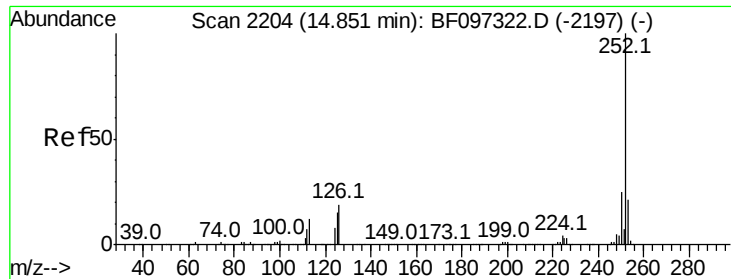
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#88
Benzo(k)fluoranthene
Concen: 10.142 ng m
RT: 14.54 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF097524.D
Acq: 9 Aug 2017 19:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.4	27.6
125	13.1	13.1	19.7





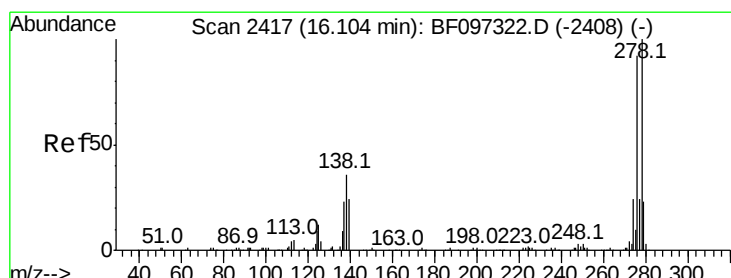
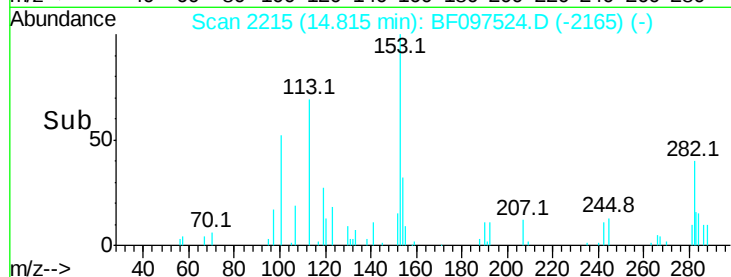
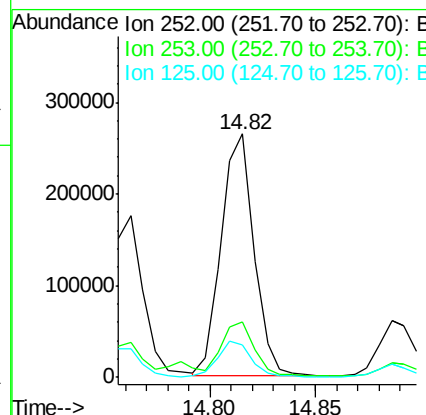
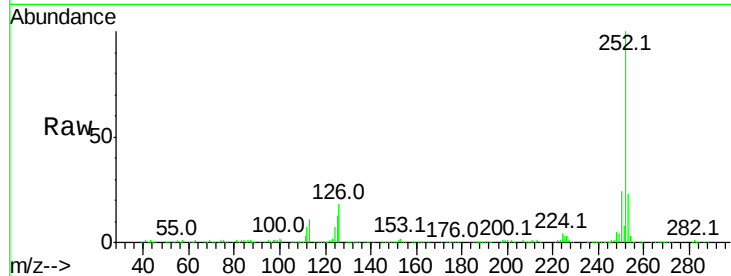
#89
Benzo(a)pyrene
Concen: 27.632 ng
RT: 14.82 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF097524.D
Acq: 9 Aug 2017 19:15

Instrument :
BNA_F
Client Sampled :
SB-17-COMP

Tot Ion:	252	Resp:	285723
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.5	26.3
125	13.2	11.0	16.4

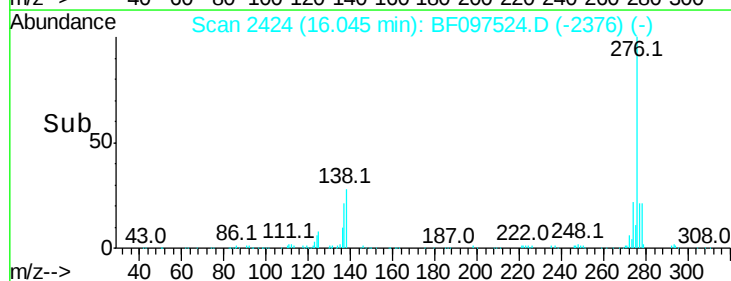
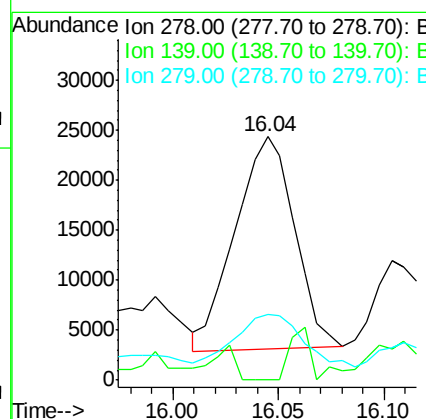
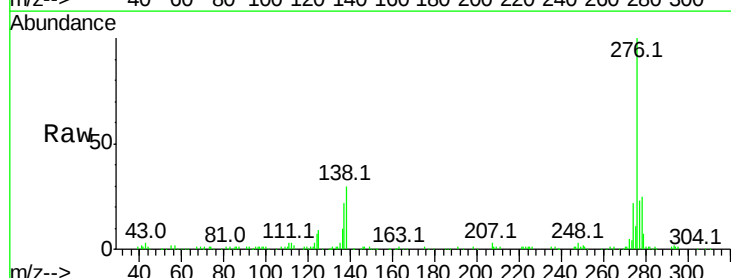
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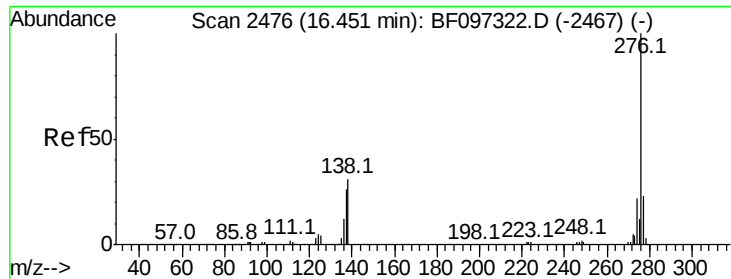
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#90
Dibenzo(a,h)anthracene
Concen: 4.900 ng
RT: 16.04 min Scan# 2424
Delta R.T. -0.02 min
Lab File: BF097524.D
Acq: 9 Aug 2017 19:15

Tgt Ion:	278	Resp:	41551
Ion Ratio	Lower	Upper	
278	100		
139	0.0	16.6	24.8#
279	27.0	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 18.149 ng
 RT: 16.40 min Scan# 2484
 Delta R.T. -0.01 min
 Lab File: BF097524.D
 Acq: 9 Aug 2017 19:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-17-COMP

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	25.7	18.6	28.0
138	34.0	25.4	38.0

Manual Integrations
 APPROVED

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