

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
 Data File : BF104218.D
 Acq On : 4 Apr 2018 10:12
 Operator : JU/SJ
 Sample : J2176-05DL 250X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2 SB54 W S 8DL

Manual Integrations
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Sohil
 4/4/2018 4:10:28 PM

Quant Time: Apr 04 11:11:11 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 03 15:22:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	91706	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	427217	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	205972	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	352982	20.00	ng	0.00
75) Chrysene-d12	14.14	240	219062	20.00	ng	-0.01
86) Perylene-d12	15.69	264	208320	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.32	172	2973	0.23	ng	0.00
78) Terphenyl-d14	13.08	244	3536	0.37	ng	0.00
Target Compounds						
31) Naphthalene	8.26	128	1222305	58.565	ng	Qvalue 100
37) 2-Methylnaphthalene	8.95	142	128556	9.351	ng	99
48) Acenaphthylene	9.86	152	194118	9.189	ng	99
54) Dibenzofuran	10.21	168	127665m	7.154	ng	
57) Fluorene	10.55	166	147386	10.012	ng	99
70) Phenanthrene	11.52	178	472096	24.703	ng	98
71) Anthracene	11.57	178	208594	10.450	ng	97
72) Carbazole	11.75	167	69336	3.639	ng	99
74) Fluoranthene	12.71	202	284672	14.014	ng	97
77) Pyrene	12.95	202	196712	12.492	ng	98
80) Benzo(a)anthracene	14.14	228	83494m	6.091	ng	
82) Chrysene	14.17	228	60232	4.486	ng	98
87) Benzo(b)fluoranthene	15.23	252	50625m	3.993	ng	
88) Benzo(k)fluoranthene	15.24	252	40667m	3.405	ng	
89) Benzo(a)pyrene	15.62	252	52535	4.472	ng	# 92

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

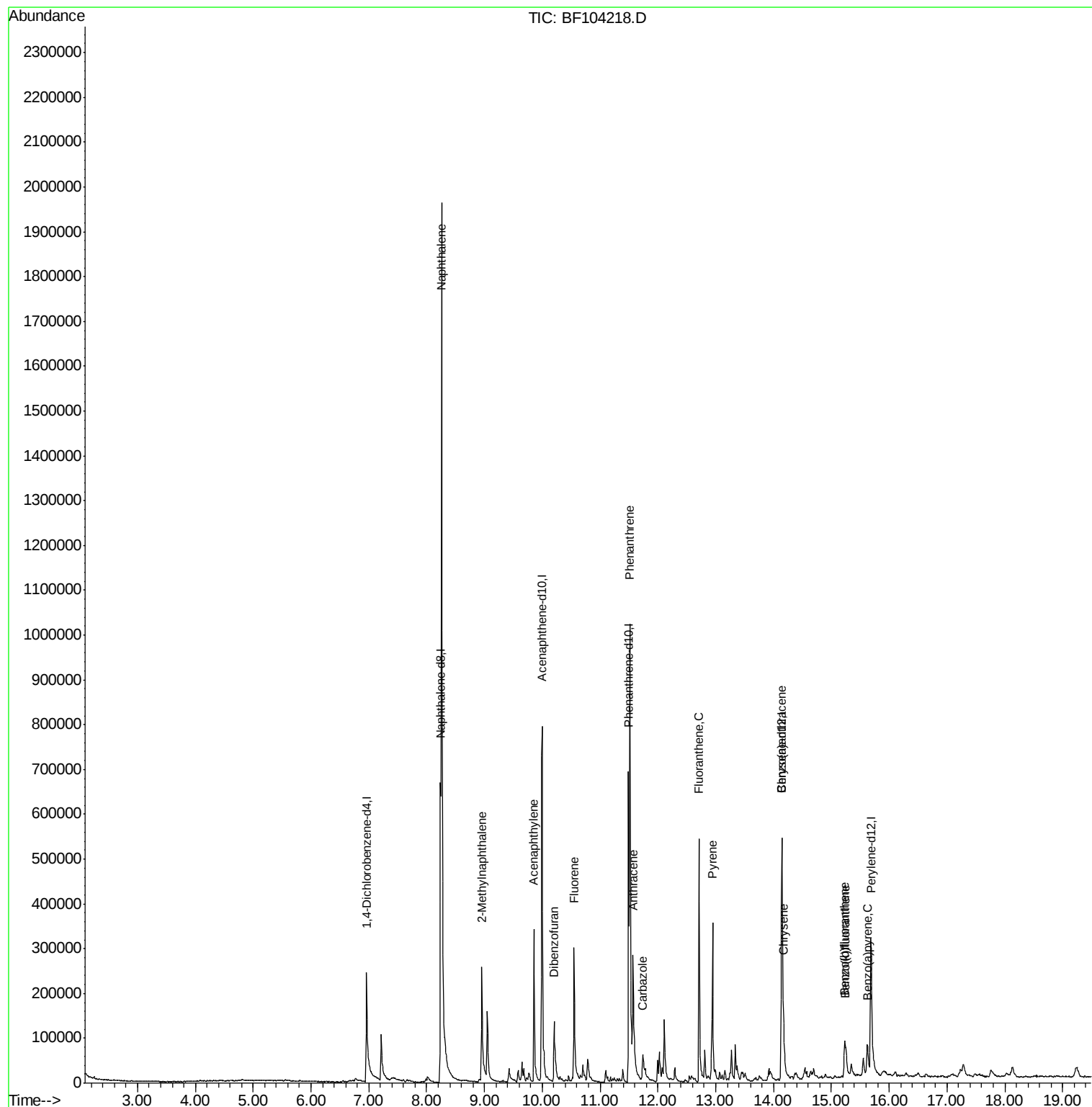
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104218.D
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Operator : JU/SJ
Sample : J2176-05DL 250X
Misc :
ALS Vial : 33 Sample Multiplier: 1

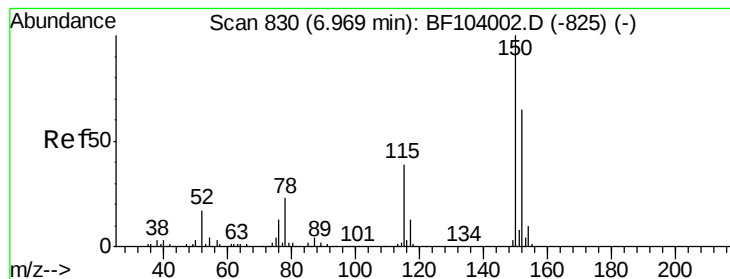
Instrument :
BNA_F
ClientSampleId :
A2_SB54_W_S_8DL

Manual Integrations
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Quant Time: Apr 04 11:11:11 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
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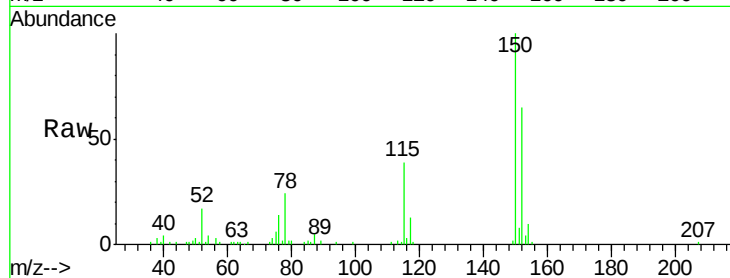
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BF104218.D
 Acq: 4 Apr 2018 10:12

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB54_W_S_8DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	124.6	186.8
115	59.4	50.1	75.1

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Abundance

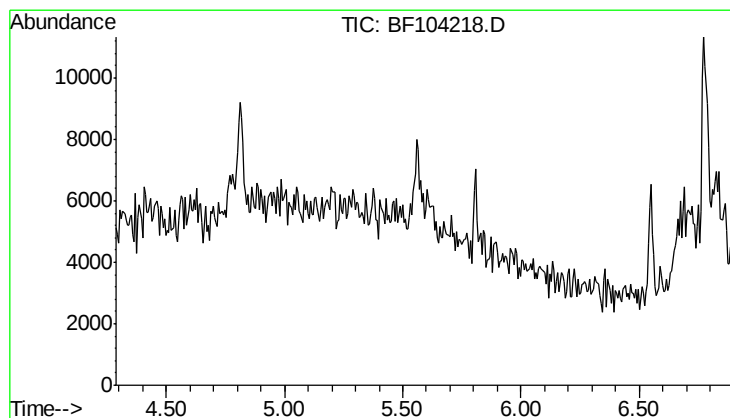
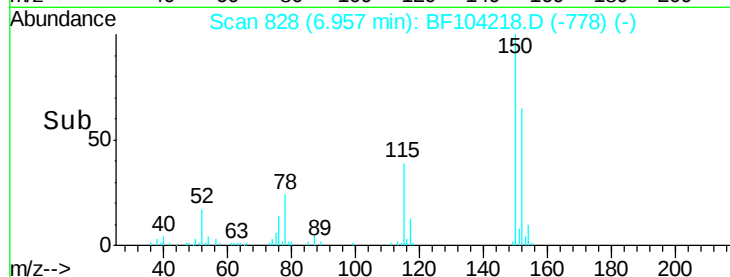
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

6.96

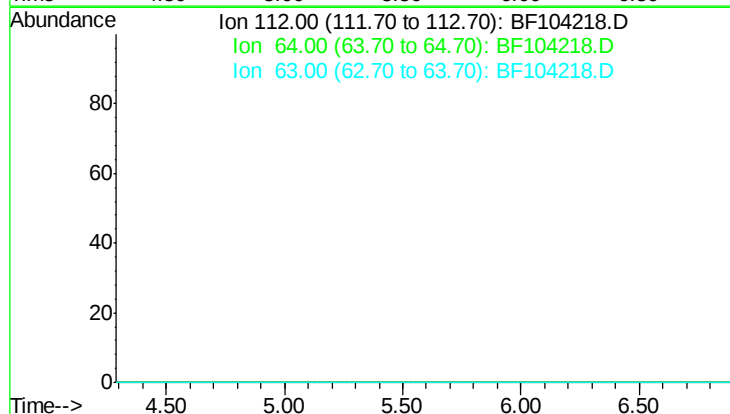
Time-->

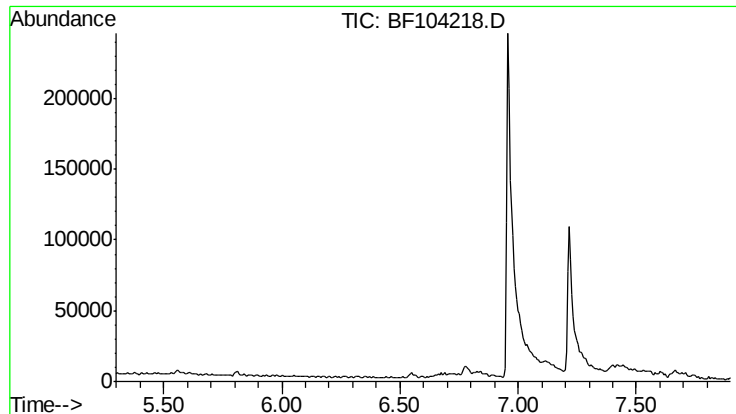


#5
 2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.59 min

Lab File: BF104218.D
 Acq: 4 Apr 2018 10:12

Tgt Ion	Sig	Exp Ratio
112	100	
64	59.9	
63	29.6	





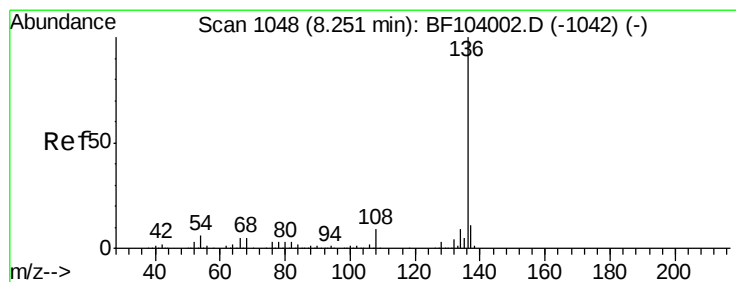
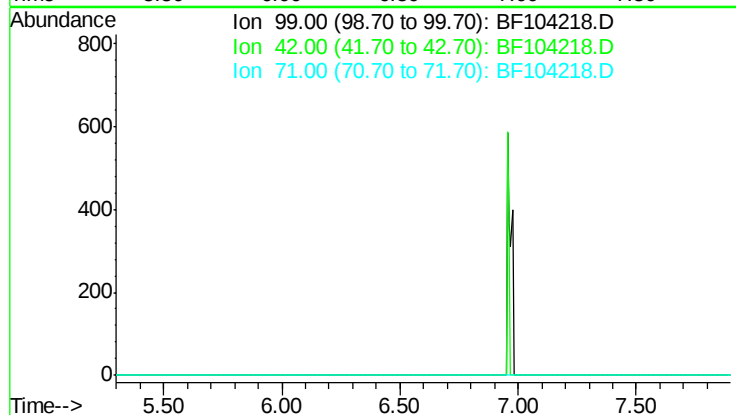
#7
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 6.60 min
 Lab File: BF104218.D
 Acq: 4 Apr 2018 10:12

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB54_W_S_8DL

Tot Ion	99
Sig	Exp Ratio
99	100
42	18.1
71	31.7

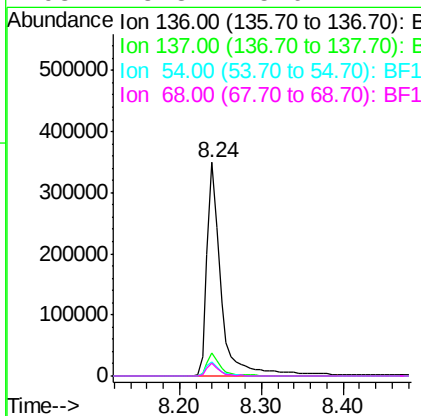
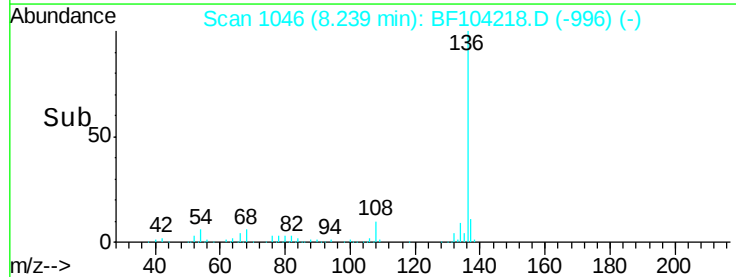
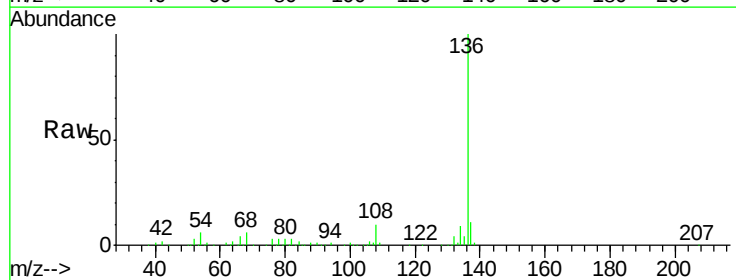
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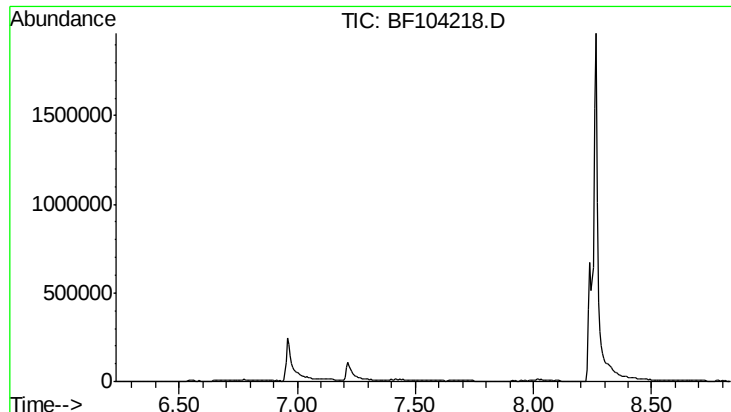
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#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.24 min Scan# 1046
 Delta R.T. -0.01 min
 Lab File: BF104218.D
 Acq: 4 Apr 2018 10:12

Tgt Ion	136	Resp	427217
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.5	6.6	9.8
68	5.8	5.0	7.4





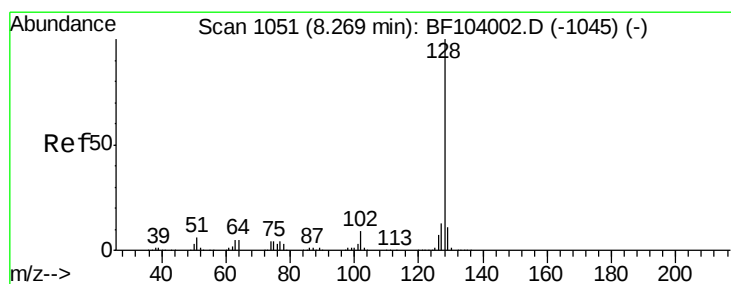
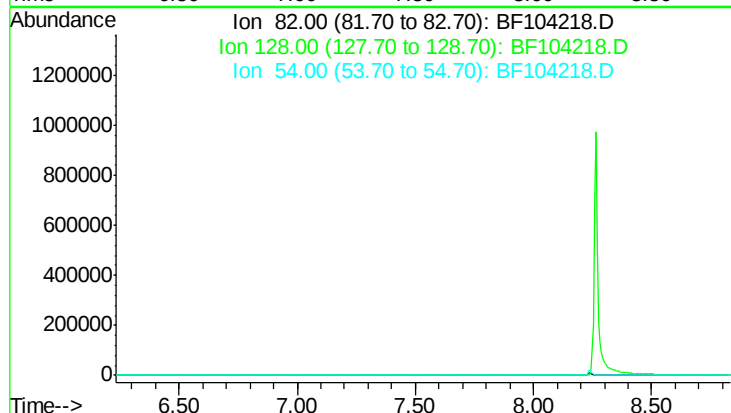
#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 7.53 min
 Lab File: BF104218.D
 Acq: 4 Apr 2018 10:12

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB54_W_S_8DL

Tot Ion	82
Sig	Exp Ratio
82	100
128	45.1
54	51.8

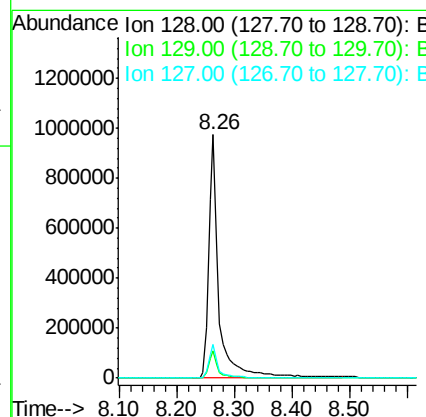
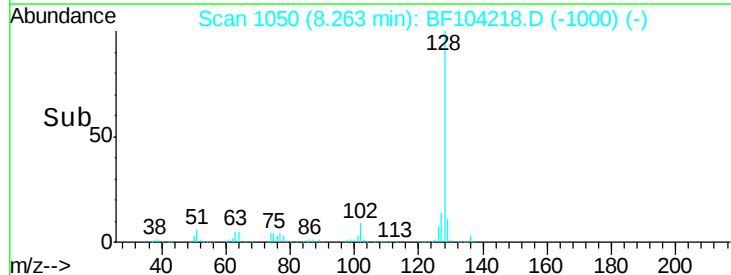
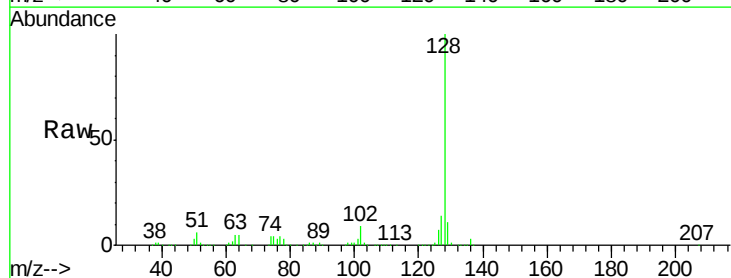
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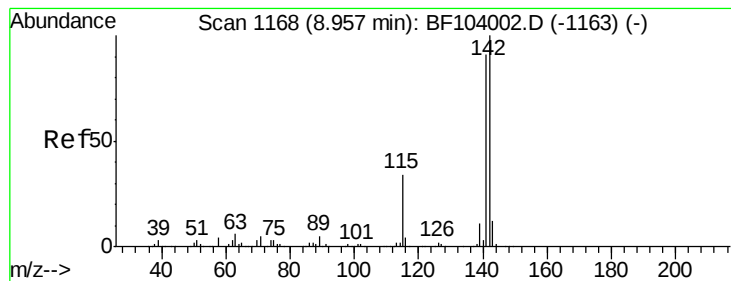
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#31
 Naphthalene
 Concen: 58.565 ng
 RT: 8.26 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: BF104218.D
 Acq: 4 Apr 2018 10:12

Tgt Ion	128	Resp	1222305
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.7	10.9	16.3





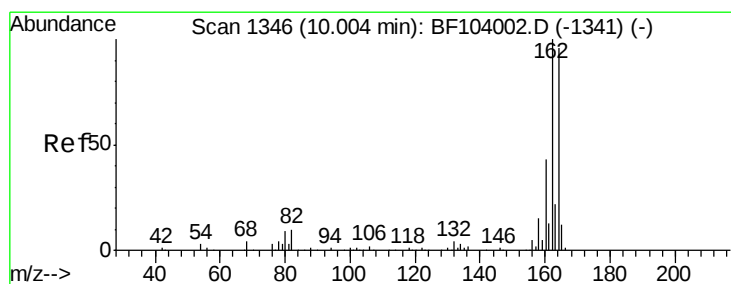
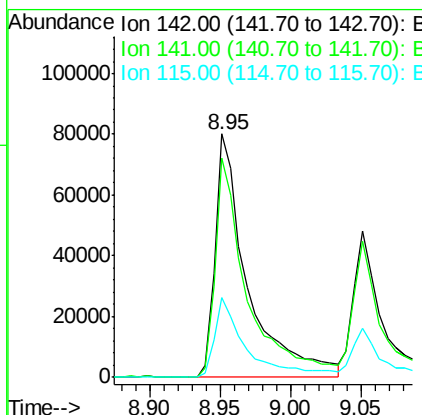
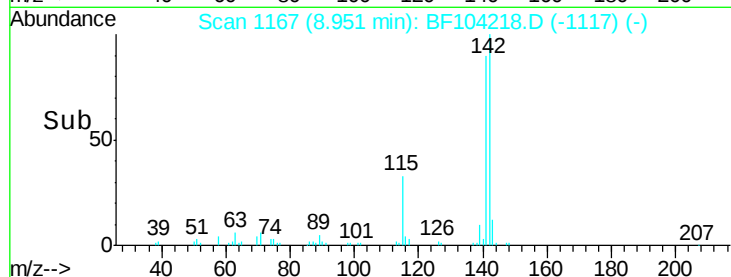
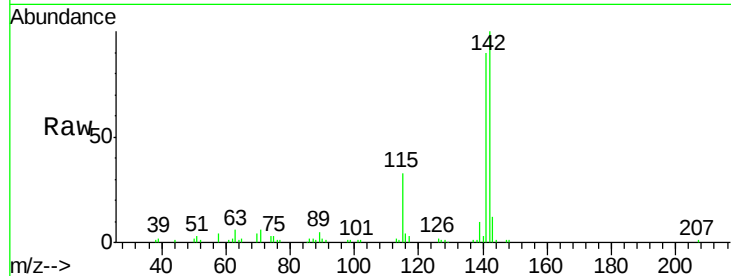
#37
 2-Methylnaphthalene
 Concen: 9.351 ng
 RT: 8.95 min Scan# 1167
 Delta R.T. -0.01 min
 Lab File: BF104218.D
 Acq: 4 Apr 2018 10:12

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB54_W_S_8DL

Tot Ion:	142	Resp:	128556
Ion Ratio	Lower	Upper	
142	100		
141	90.3	70.8	106.2
115	32.7	26.1	39.1

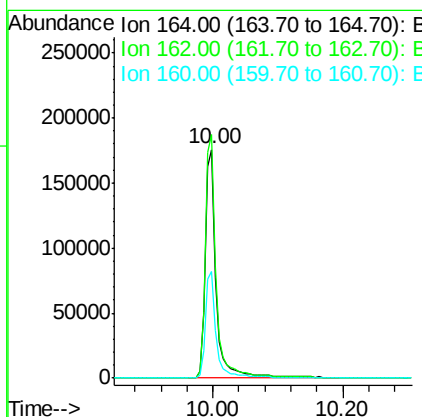
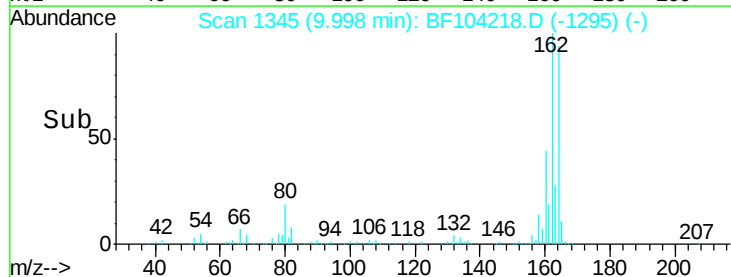
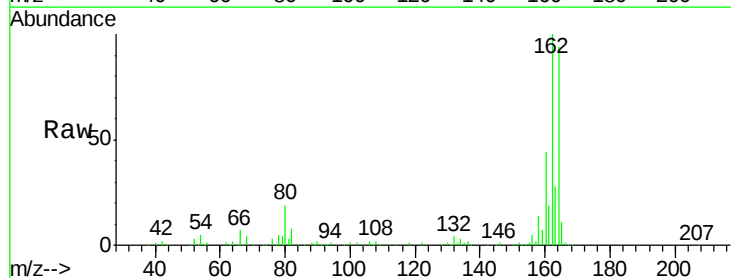
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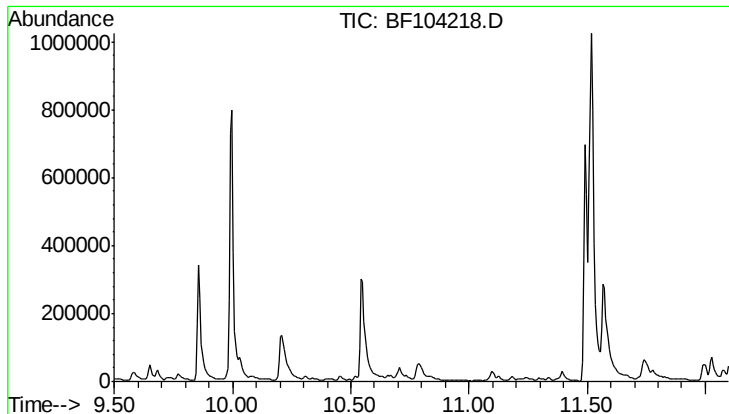
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: BF104218.D
 Acq: 4 Apr 2018 10:12

Tgt Ion:	164	Resp:	205972
Ion Ratio	Lower	Upper	
164	100		
162	106.6	86.1	129.1
160	46.8	38.3	57.5





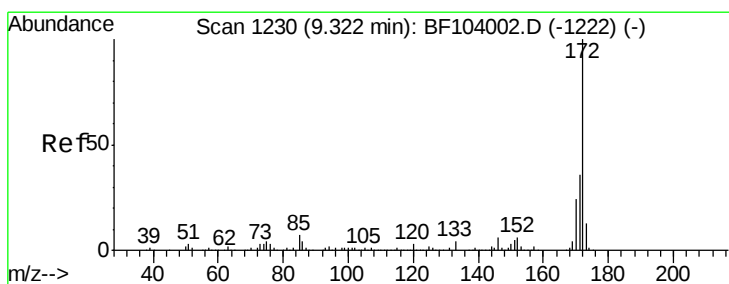
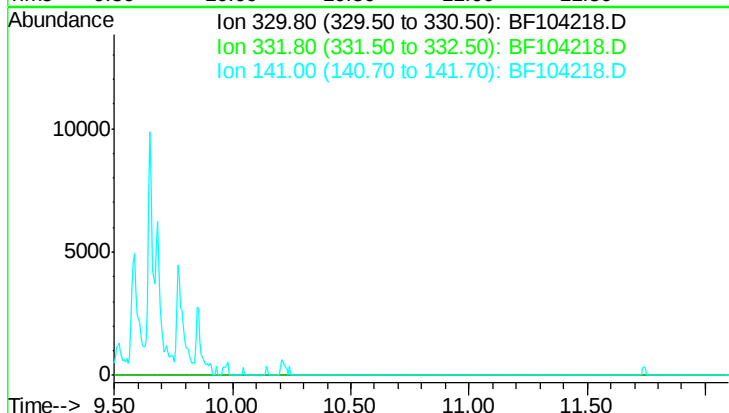
#41
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.80 min
 Lab File: BF104218.D
 Acq: 4 Apr 2018 10:12

Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 96.3
 141 37.4

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB54_W_S_8DL

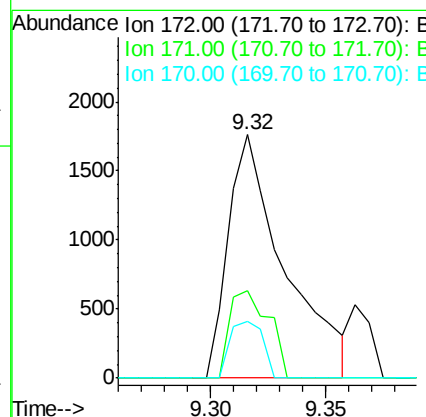
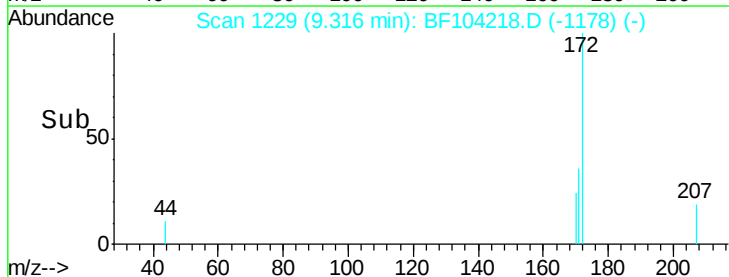
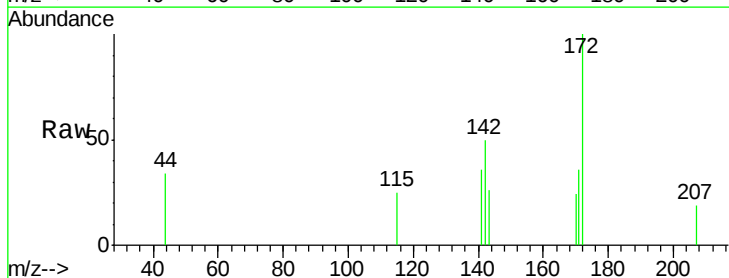
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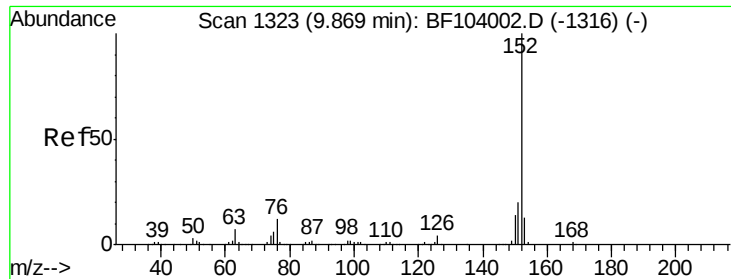
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#44
 2-Fluorobiphenyl
 Concen: 0.228 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: BF104218.D
 Acq: 4 Apr 2018 10:12

Tgt Ion:172 Resp: 2973
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 23.5 19.6 29.4





#48

Acenaphthylene

Concen: 9.189 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF104218.D

Acq: 4 Apr 2018 10:12

Instrument :

BNA_F

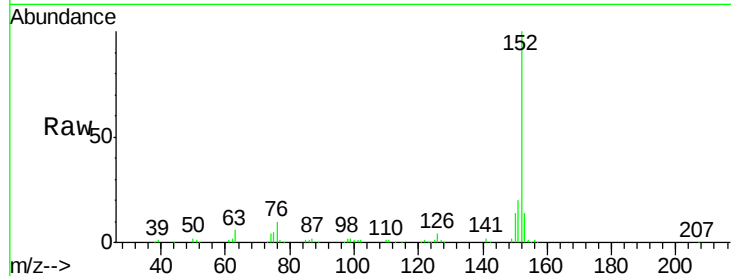
ClientSampleId :

A2_SB54_W_S_8DL

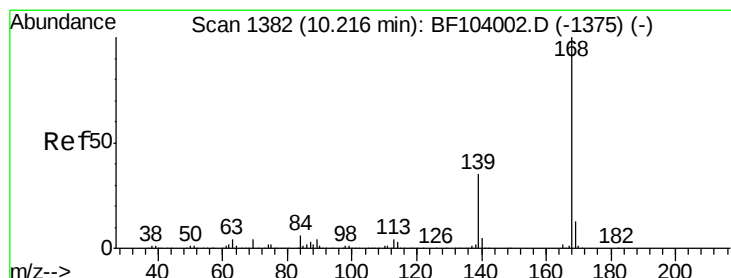
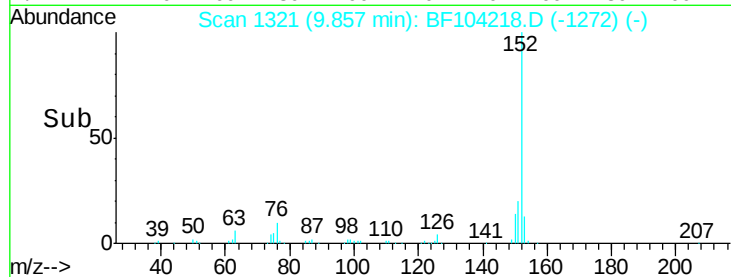
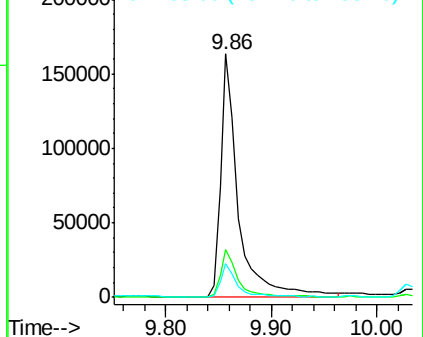
Tot Ion:	152	Resp:	194118
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.3	24.5
153	13.7	10.7	16.1

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#54

Dibenzofuran

Concen: 7.154 ng m

RT: 10.21 min Scan# 1381

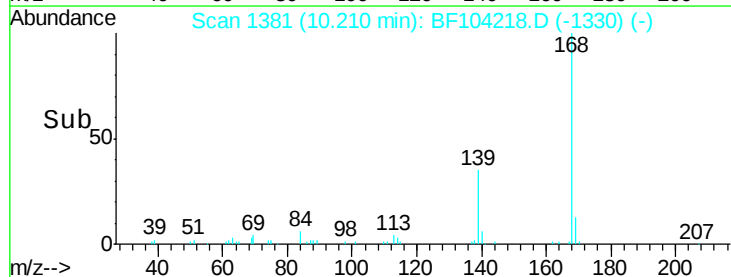
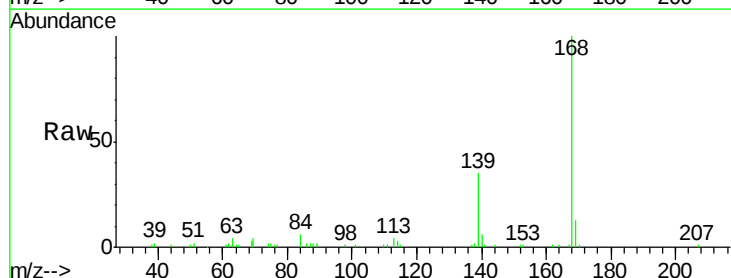
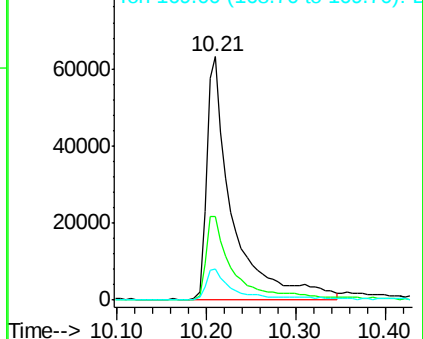
Delta R.T. -0.00 min

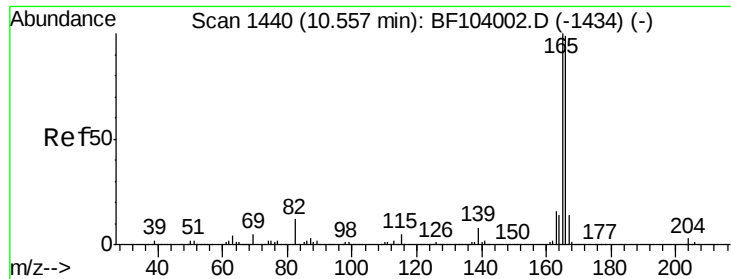
Lab File: BF104218.D

Acq: 4 Apr 2018 10:12

Tgt Ion:	168	Resp:	127665
Ion Ratio	Lower	Upper	
168	100		
139	34.5	30.1	45.1
169	12.9	10.9	16.3

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





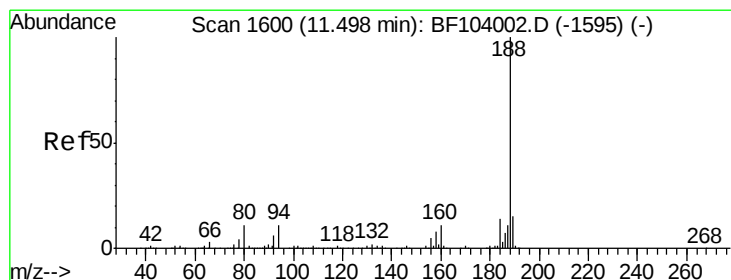
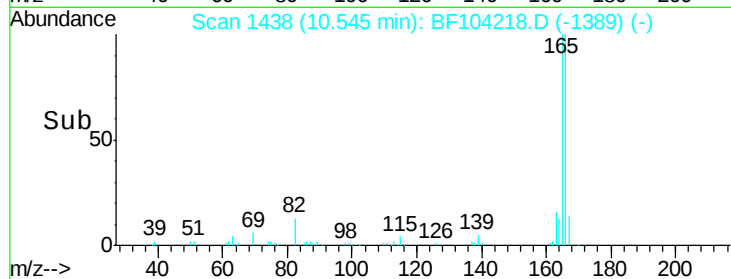
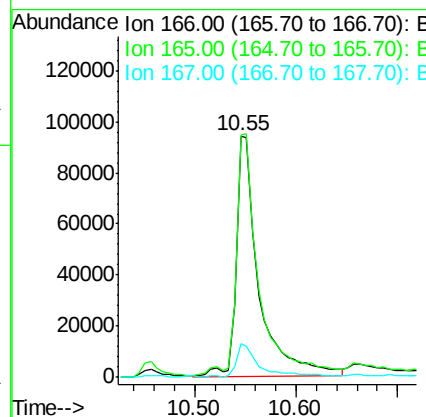
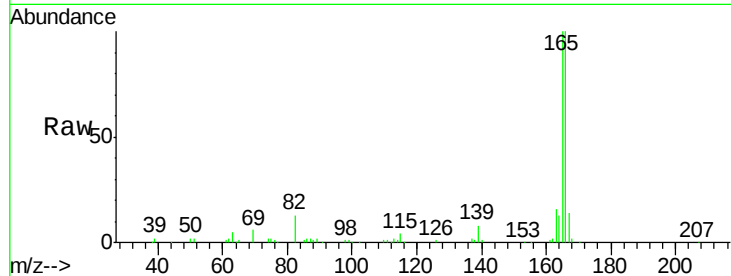
#57
Fluorene
 Concen: 10.012 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF104218.D
 Acq: 4 Apr 2018 10:12

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB54_W_S_8DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.3	79.8	119.8
167	13.8	10.6	16.0

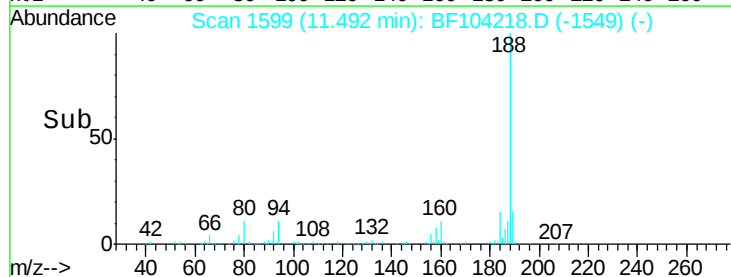
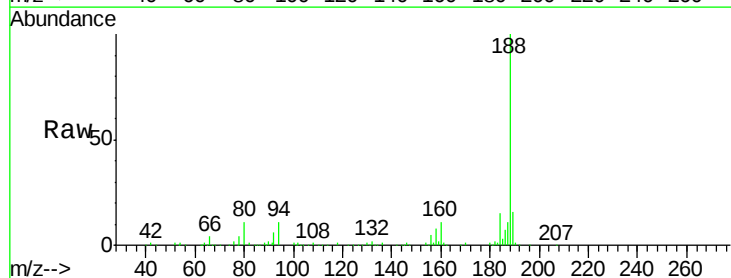
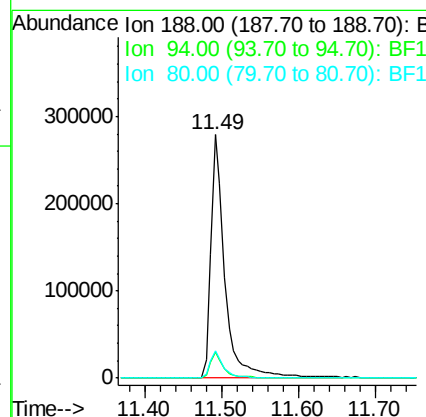
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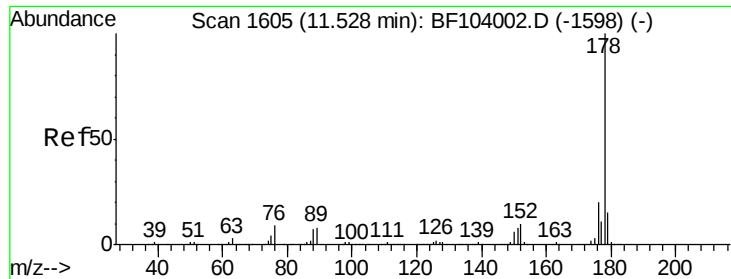
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF104218.D
 Acq: 4 Apr 2018 10:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.5	12.7
80	11.2	9.2	13.8





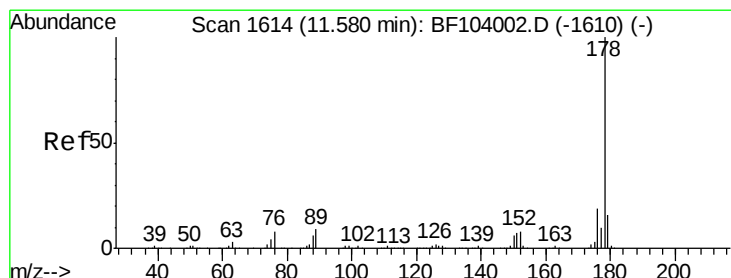
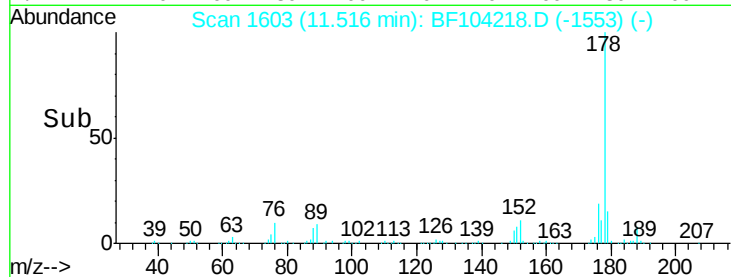
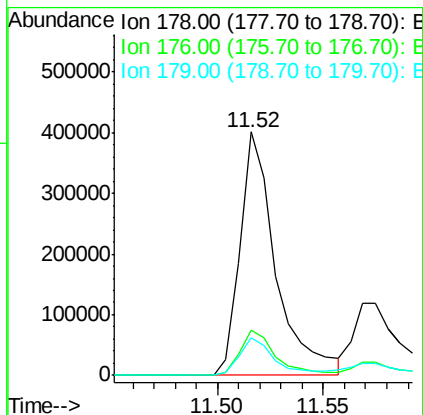
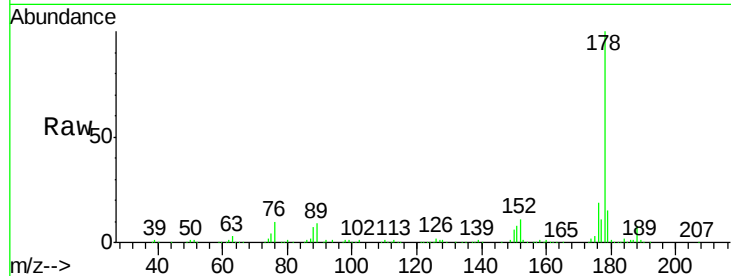
#70
Phenanthrene
Concen: 24.703 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Instrument :
BNA_F
ClientSampleId :
A2_SB54_W_S_8DL

Tot Ion:178 Resp: 472096
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 15.3 13.0 19.6

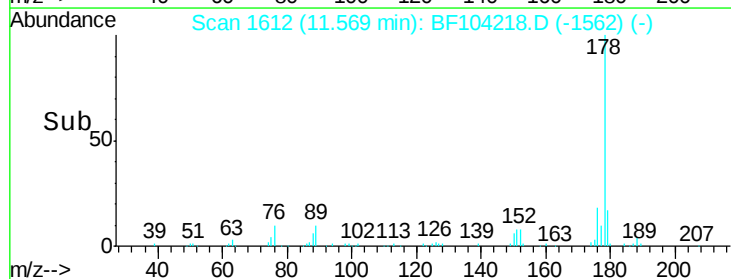
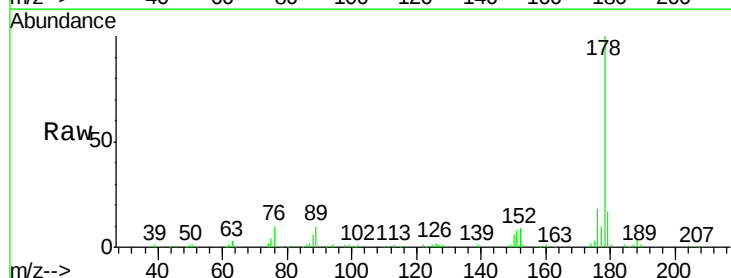
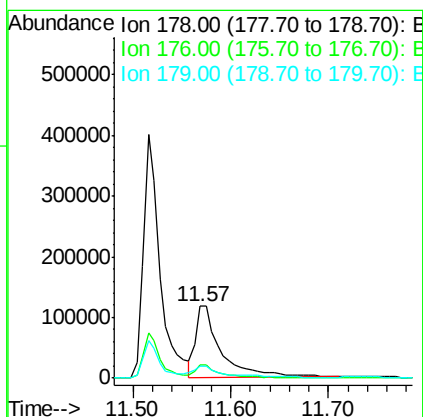
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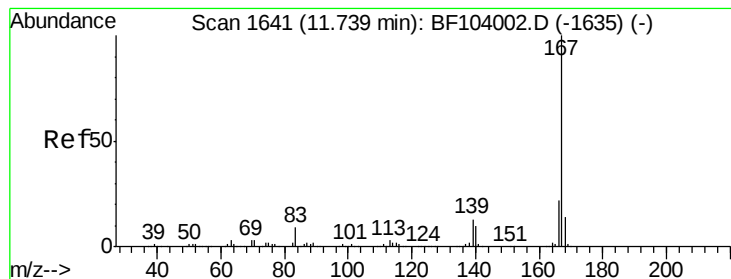
Sohil
4/4/2018 4:10:28 PM



#71
Anthracene
Concen: 10.450 ng
RT: 11.57 min Scan# 1612
Delta R.T. -0.01 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Tgt Ion:178 Resp: 208594
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.2
179 17.3 12.6 19.0





#72

Carbazole

Concen: 3.639 ng

RT: 11.75 min Scan# 1642

Delta R.T. 0.01 min

Lab File: BF104218.D

Acq: 4 Apr 2018 10:12

Instrument :

BNA_F

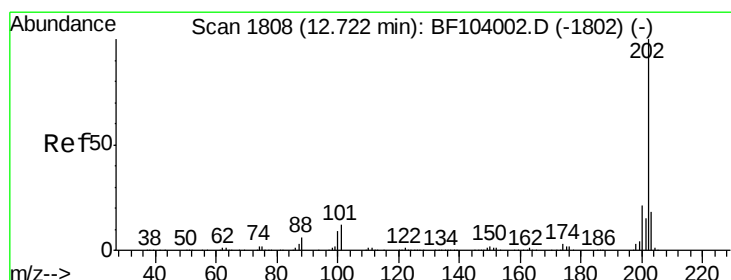
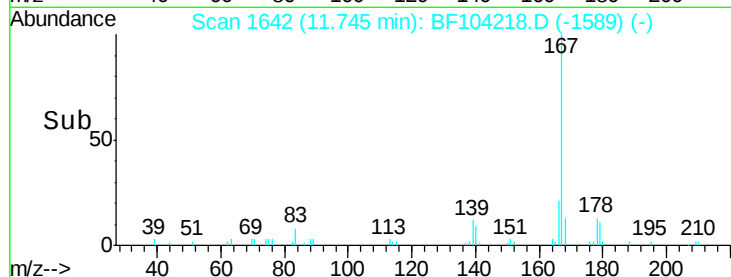
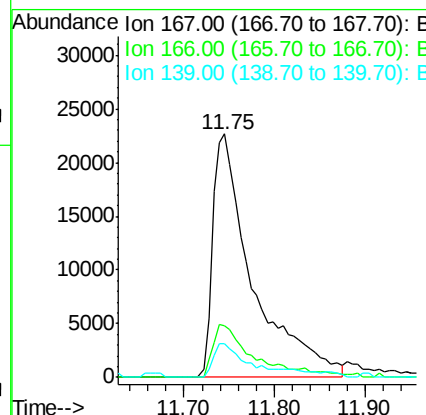
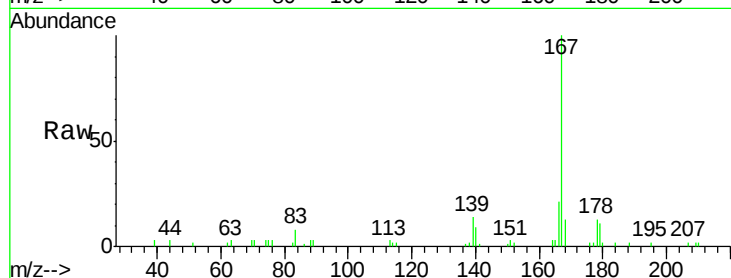
ClientSampleId :

A2_SB54_W_S_8DL

Tot Ion:	167	Resp:	69336
Ion Ratio	Lower	Upper	
167	100		
166	21.5	17.6	26.4
139	14.1	10.9	16.3

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#74

Fluoranthene

Concen: 14.014 ng

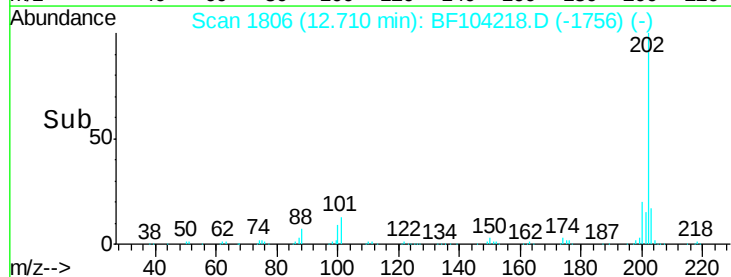
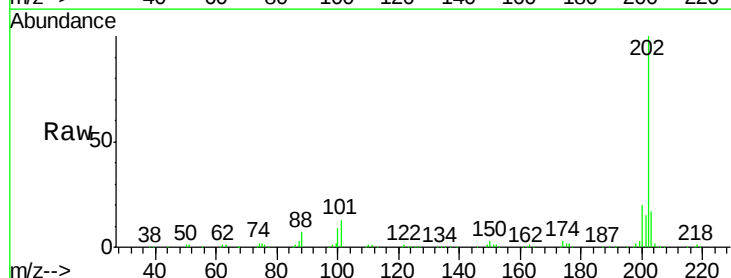
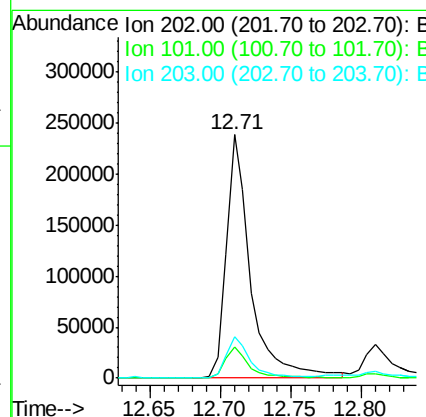
RT: 12.71 min Scan# 1806

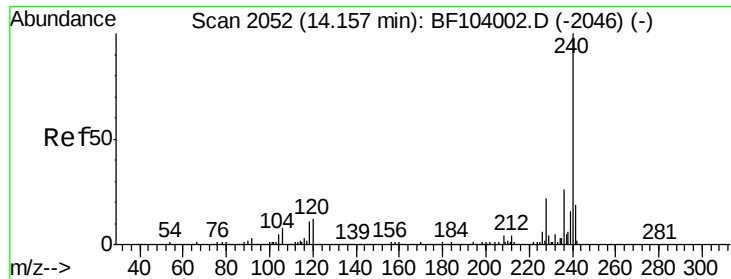
Delta R.T. -0.01 min

Lab File: BF104218.D

Acq: 4 Apr 2018 10:12

Tgt Ion:	202	Resp:	284672
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	34.1
203	16.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF104218.D

Acq: 4 Apr 2018 10:12

Instrument :

BNA_F

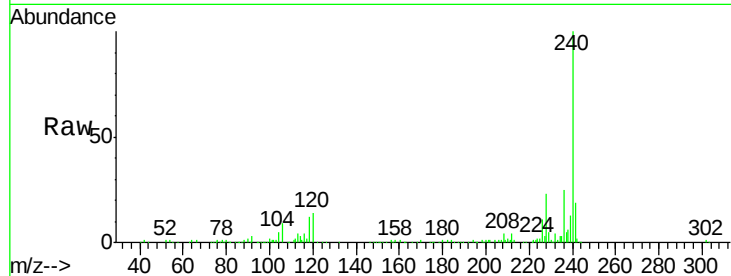
ClientSampleId :

A2_SB54_W_S_8DL

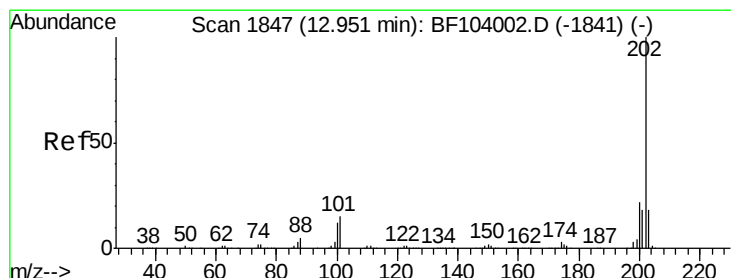
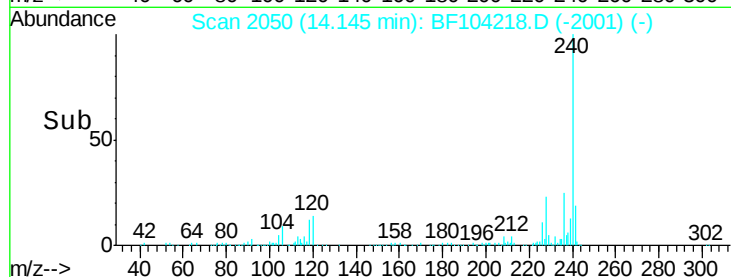
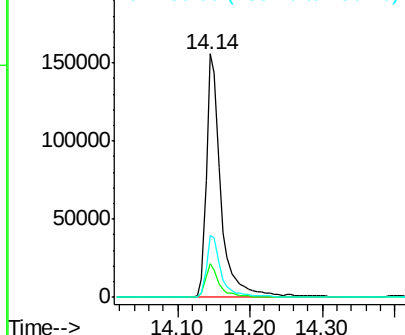
Tot Ion:	240	Resp:	219062
Ion Ratio	Lower	Upper	
240	100		
120	13.6	9.5	14.3
236	25.1	20.7	31.1

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 12.492 ng

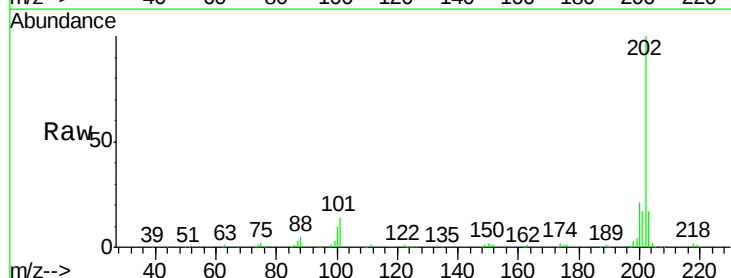
RT: 12.95 min Scan# 1846

Delta R.T. -0.01 min

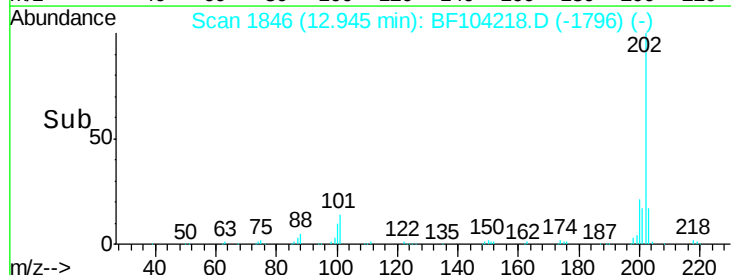
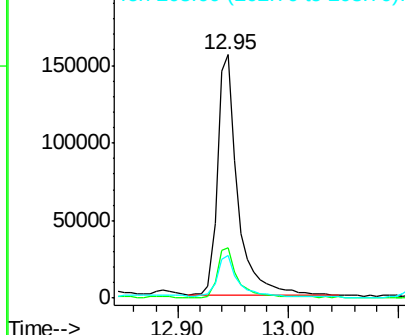
Lab File: BF104218.D

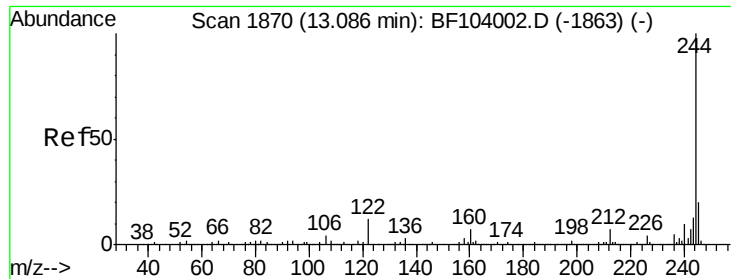
Acq: 4 Apr 2018 10:12

Tgt Ion:	202	Resp:	196712
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.4	26.2
203	17.3	14.3	21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





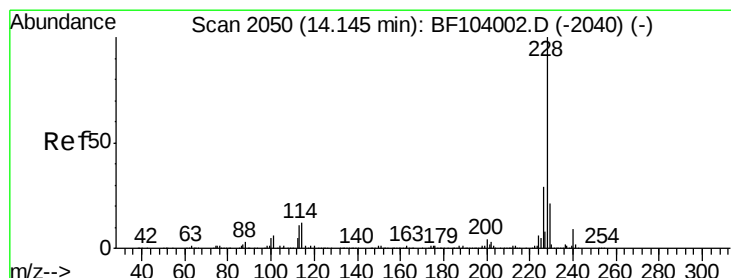
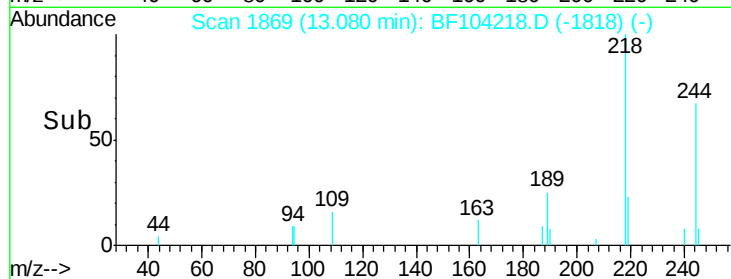
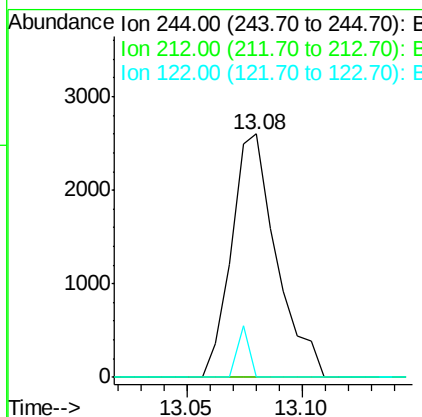
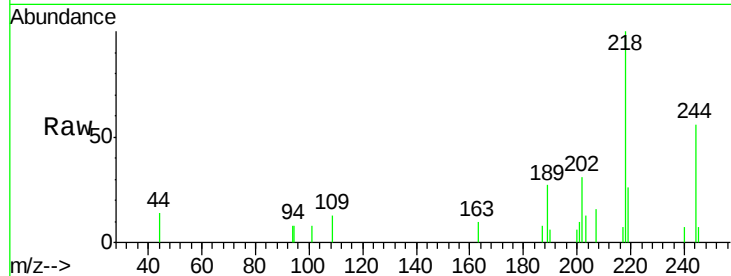
#78
 Terphenyl-d14
 Concen: 0.373 ng
 RT: 13.08 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: BF104218.D
 Acq: 4 Apr 2018 10:12

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB54_W_S_8DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	0.0	5.4	8.0#
122	0.0	11.0	16.4#

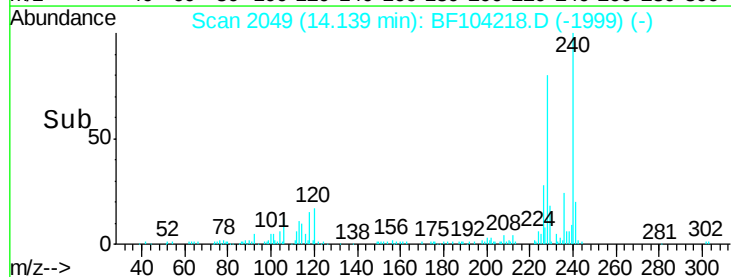
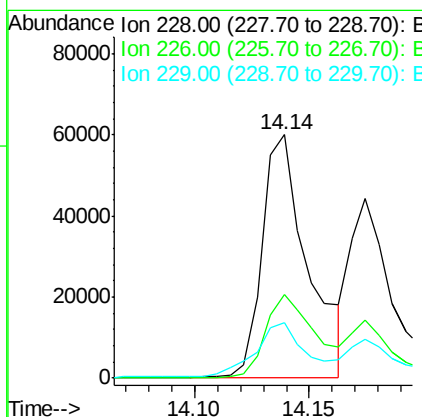
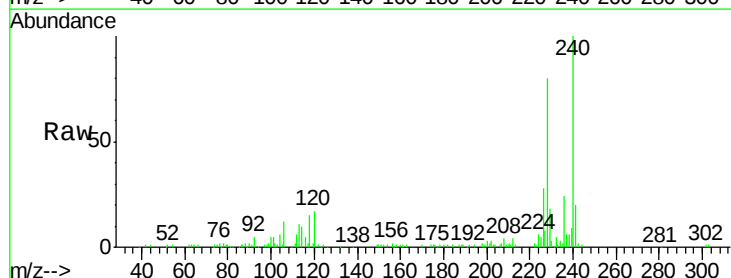
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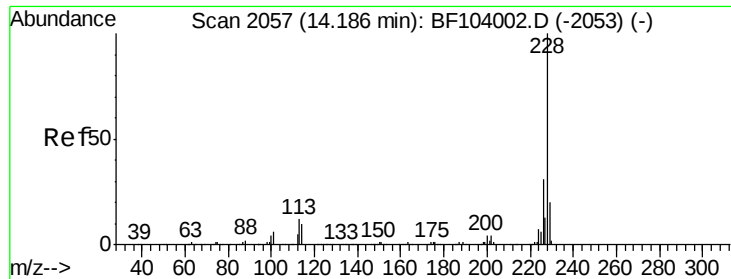
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#80
 Benzo(a)anthracene
 Concen: 6.091 ng m
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.01 min
 Lab File: BF104218.D
 Acq: 4 Apr 2018 10:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.6	22.6	33.8#
229	22.9	15.8	23.6





#82

Chrysene

Concen: 4.486 ng

RT: 14.17 min Scan# 2055

Delta R.T. -0.01 min

Lab File: BF104218.D

Acq: 4 Apr 2018 10:12

Instrument :

BNA_F

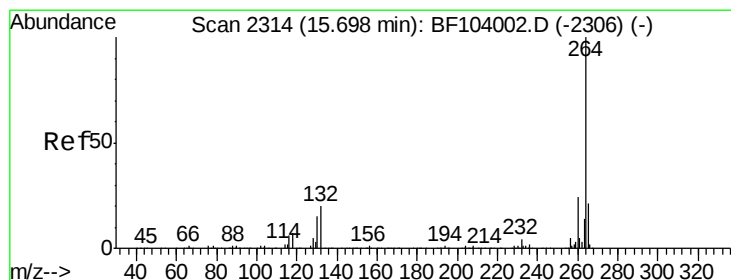
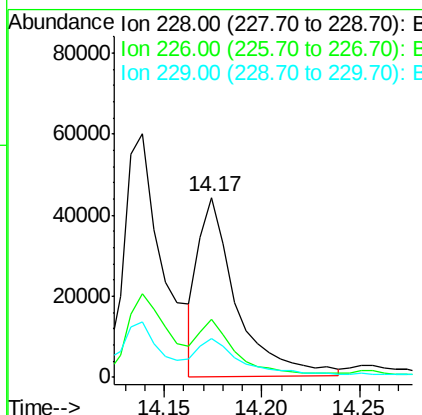
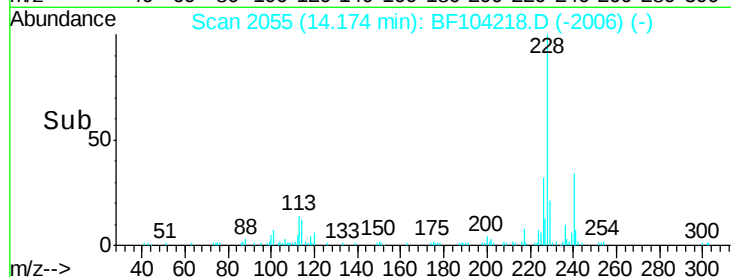
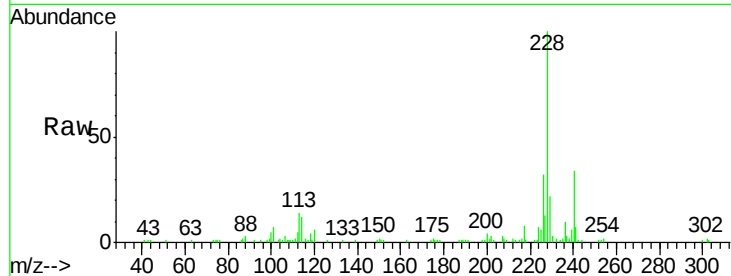
ClientSampleId :

A2_SB54_W_S_8DL

Tot Ion:	228	Resp:	60232
Ion Ratio	Lower	Upper	
228	100		
226	32.2	25.0	37.6
229	21.8	16.2	24.4

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#86

Perylene-d12

Concen: 20.000 ng

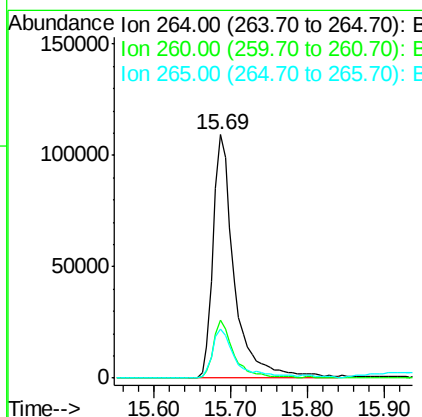
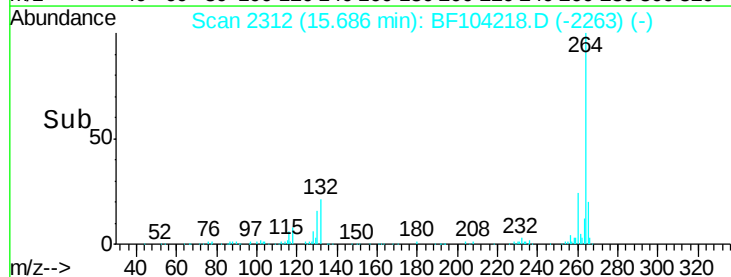
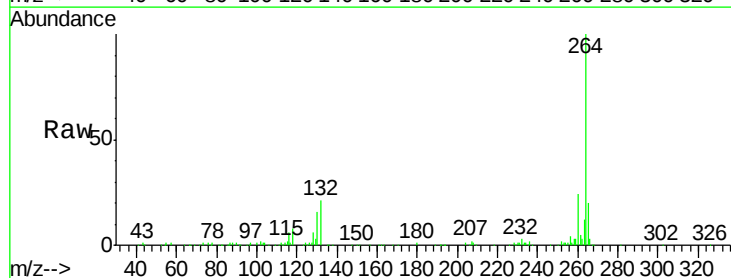
RT: 15.69 min Scan# 2312

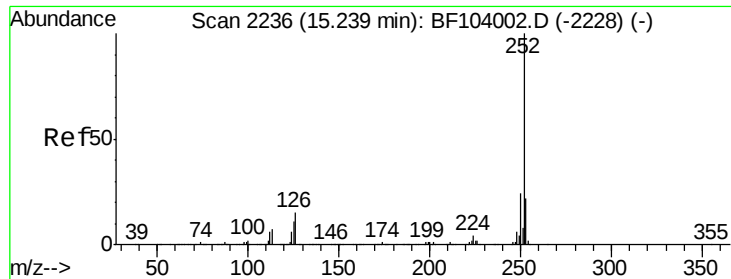
Delta R.T. -0.01 min

Lab File: BF104218.D

Acq: 4 Apr 2018 10:12

Tgt Ion:	264	Resp:	208320
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.2	28.8
265	20.2	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 3.993 ng m

RT: 15.23 min Scan# 2235

Delta R.T. -0.01 min

Lab File: BF104218.D

Acq: 4 Apr 2018 10:12

Instrument :

BNA_F

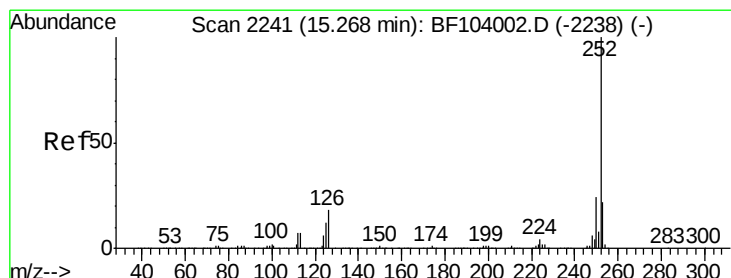
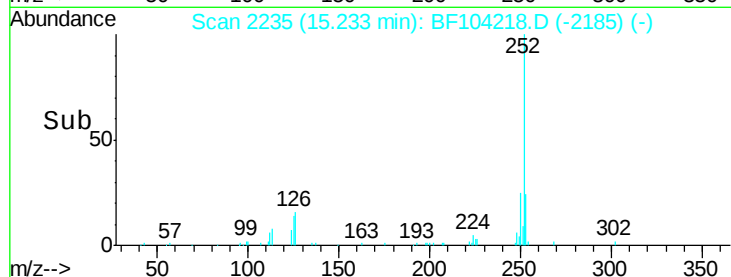
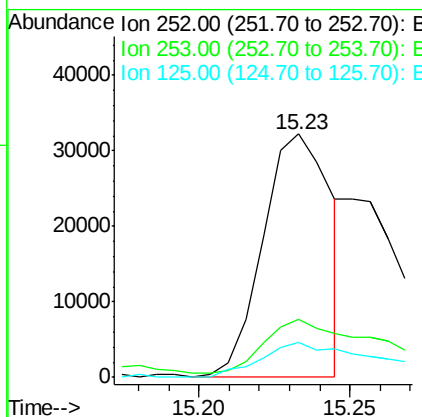
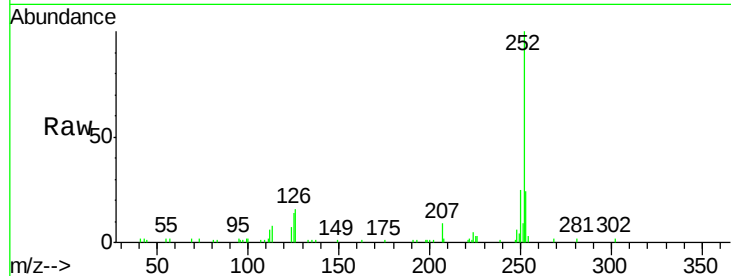
ClientSampleId :

A2_SB54_W_S_8DL

Tot Ion:	252	Resp:	50625
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.0	25.6
125	14.2	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 3.405 ng m

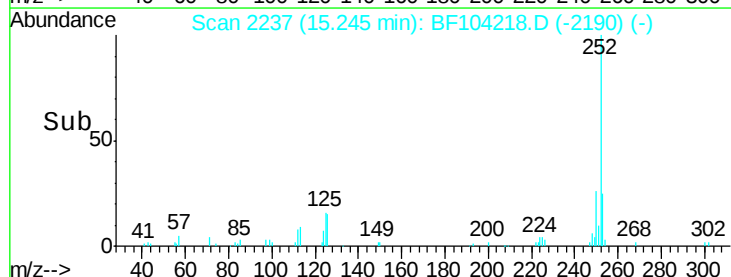
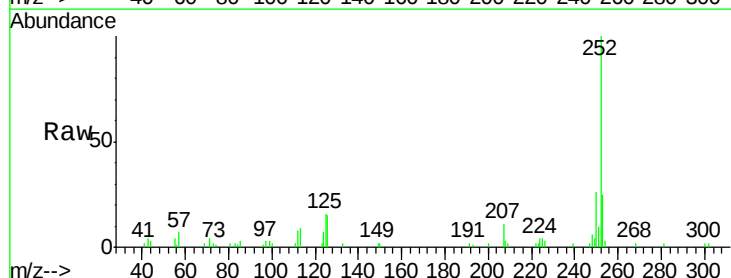
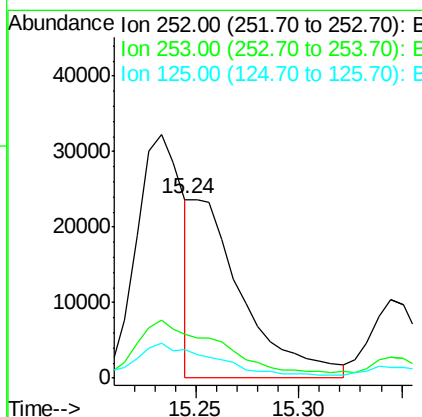
RT: 15.24 min Scan# 2237

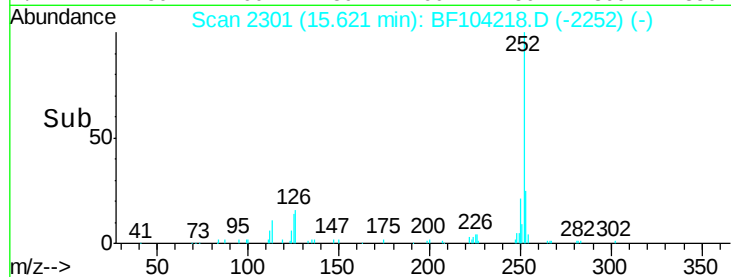
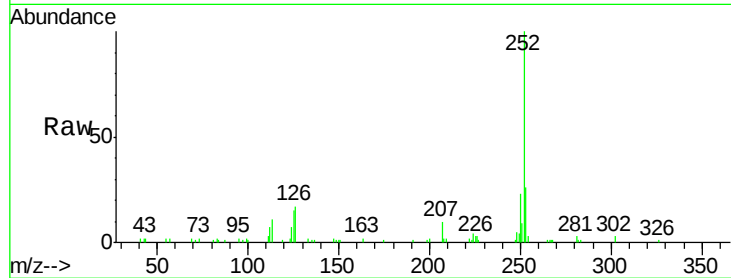
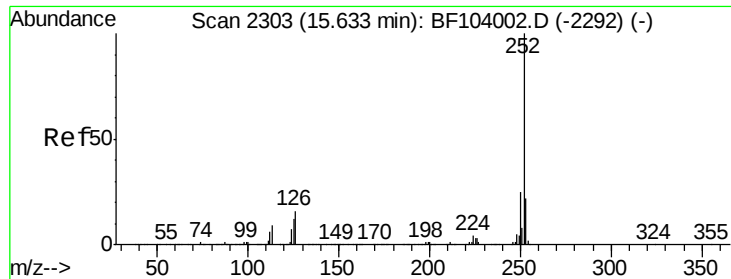
Delta R.T. -0.02 min

Lab File: BF104218.D

Acq: 4 Apr 2018 10:12

Tgt Ion:	252	Resp:	40667
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.9	26.9
125	16.1	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 4.472 ng

RT: 15.62 min Scan# 2301

Delta R.T. -0.01 min

Lab File: BF104218.D

Acq: 4 Apr 2018 10:12

Instrument :

BNA_F

ClientSampleId :

A2_SB54_W_S_8DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.1	25.7
125	15.1	9.8	14.6

Manual Integrations
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