

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
 Data File : BF099018.D
 Acq On : 2 Oct 2017 23:47
 Operator : SJ/JU
 Sample : I5532-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-64A-0-1.5

Manual Integrations
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Quant Time: Oct 03 04:27:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	127394	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	460204	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	175594	20.00	ng	-0.02
63) Phenanthrene-d10	11.43	188	272149	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	261192	20.00	ng	-0.01
86) Perylene-d12	15.57	264	219951	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	468652	58.56	ng	-0.02
7) Phenol-d6	6.53	99	568095	57.55	ng	-0.02
23) Nitrobenzene-d5	7.46	82	332281	46.30	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	59321	41.29	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	566858	53.89	ng	-0.02
78) Terphenyl-d14	13.02	244	431865	37.60	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.21	128	123797	5.728	ng	99
37) 2-Methylnaphthalene	8.90	142	104318	7.424	ng	99
48) Acenaphthylene	9.80	152	53814	3.102	ng	# 97
49) Dimethylphthalate	9.65	163	94613	7.139	ng	# 98
54) Dibenzofuran	10.14	168	60401	4.129	ng	# 90
70) Phenanthrene	11.46	178	248352	17.048	ng	98
71) Anthracene	11.51	178	93296	6.259	ng	98
74) Fluoranthene	12.64	202	337476	22.878	ng	98
77) Pyrene	12.87	202	302527	15.189	ng	98
80) Benzo(a)anthracene	14.06	228	194836	12.319	ng	96
82) Chrysene	14.10	228	212488	14.112	ng	97
85) Indeno(1,2,3-cd)pyrene	17.08	276	80946	6.720	ng	99
87) Benzo(b)fluoranthene	15.13	252	331159m	24.488	ng	
88) Benzo(k)fluoranthene	15.16	252	78441m	5.873	ng	
89) Benzo(a)pyrene	15.50	252	124609	10.038	ng	# 89
90) Dibenzo(a,h)anthracene	17.09	278	22052	2.220	ng	# 75
91) Benzo(g,h,i)perylene	17.54	276	67717	6.896	ng	91

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

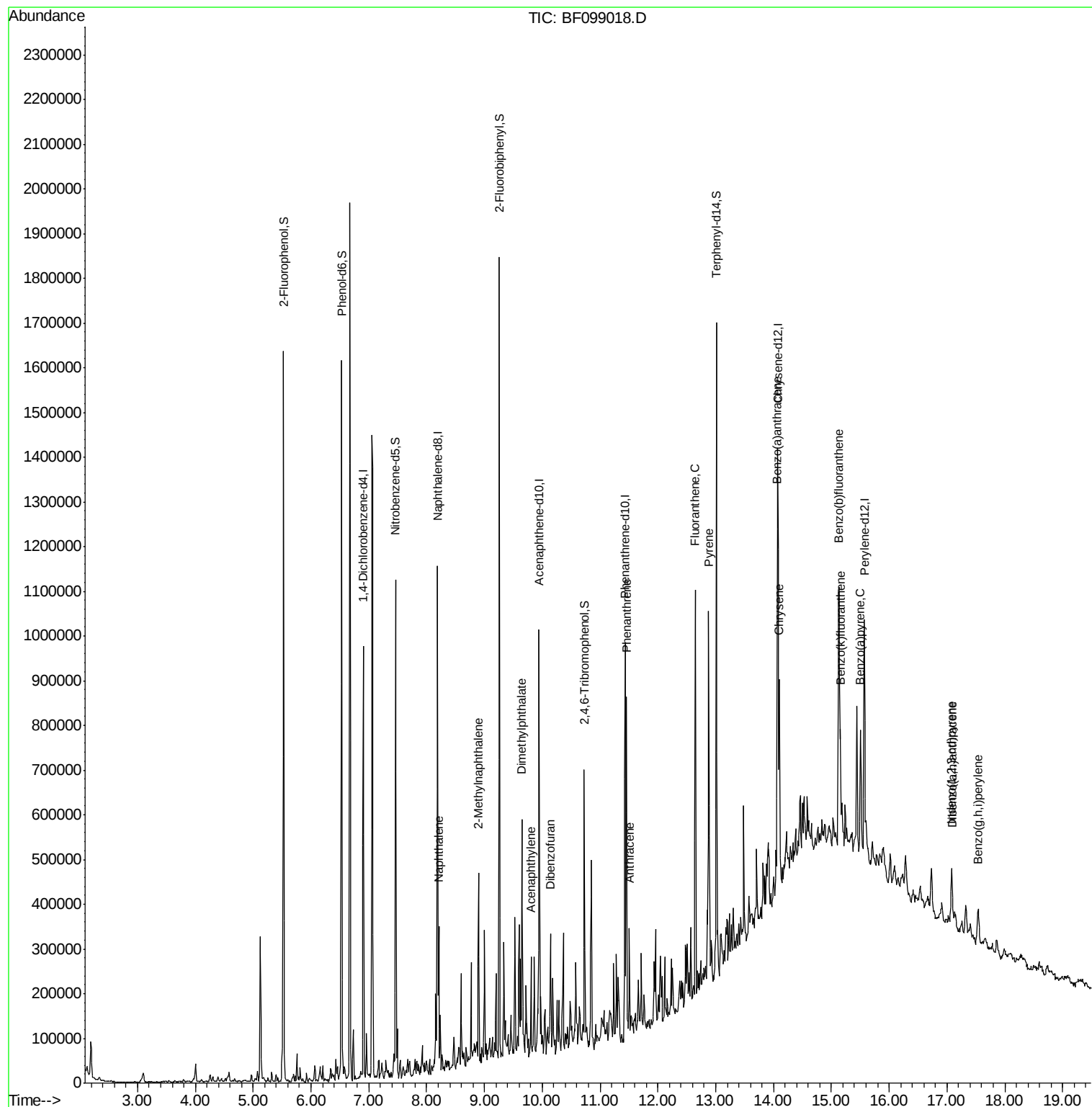
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
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ALS Vial : 22 Sample Multiplier: 1

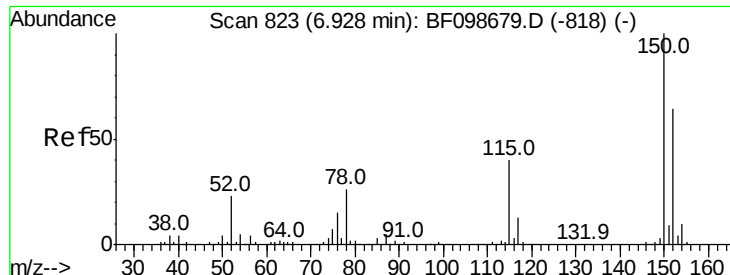
Instrument :
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ClientSampleId :
G-64A-0-1.5

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#1

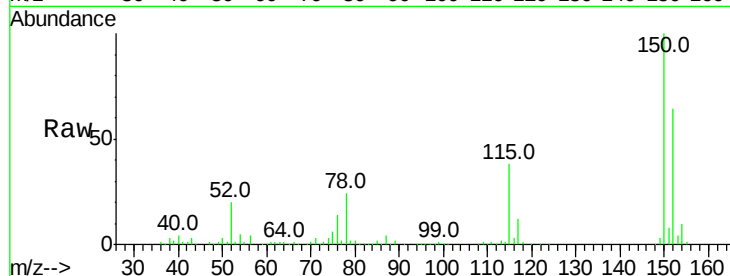
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF099018.D
Acq: 2 Oct 2017 23:47

Instrument :
BNA_F
ClientSampleId :
G-64A-0-1.5

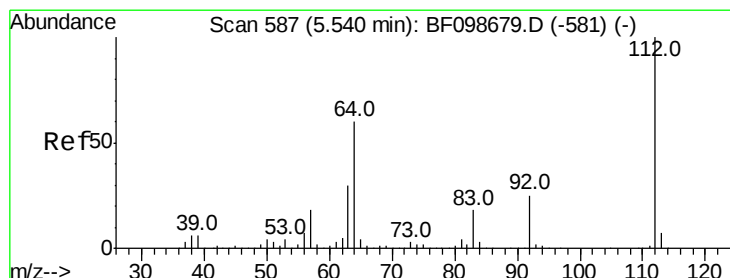
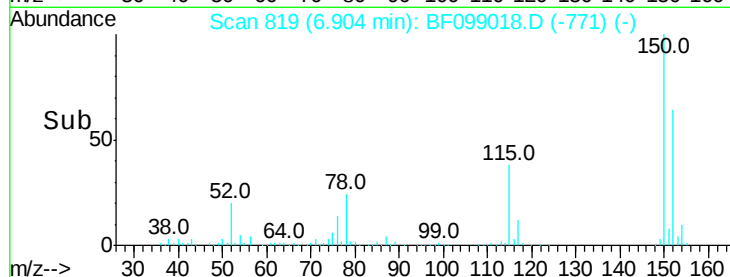
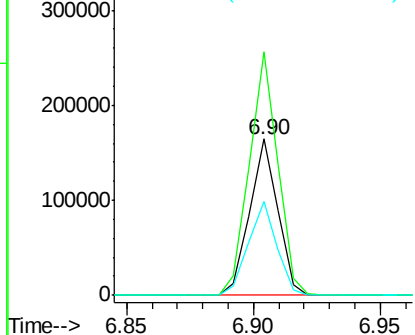
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	59.6	50.1	75.1

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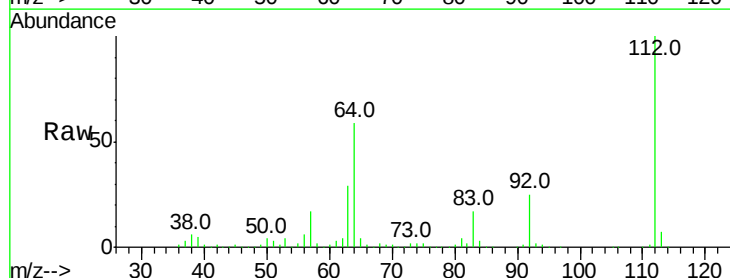
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



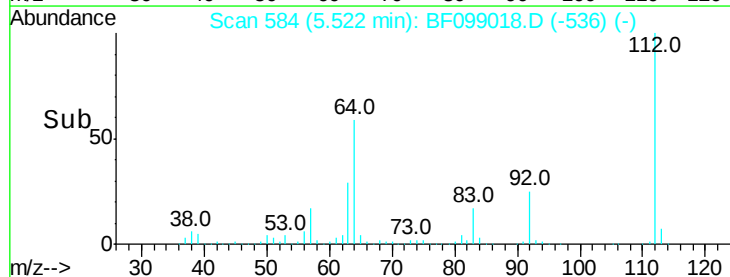
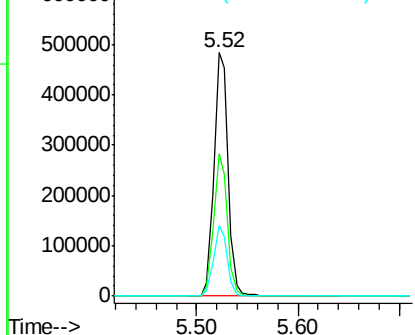
#5

2-Fluorophenol
Concen: 58.562 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF099018.D
Acq: 2 Oct 2017 23:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.9	71.9
63	29.3	23.7	35.5



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: 57.545 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF099018.D

Acq: 2 Oct 2017 23:47

Instrument :

BNA_F

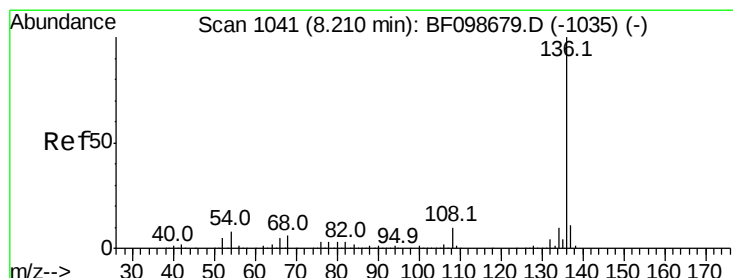
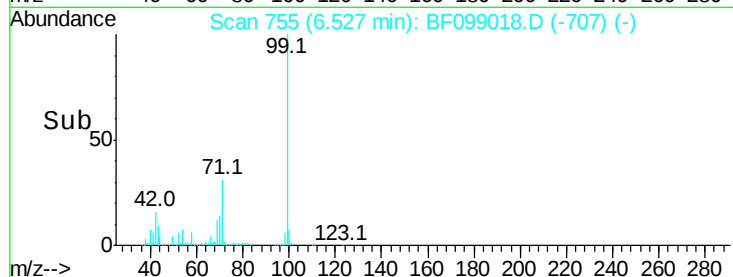
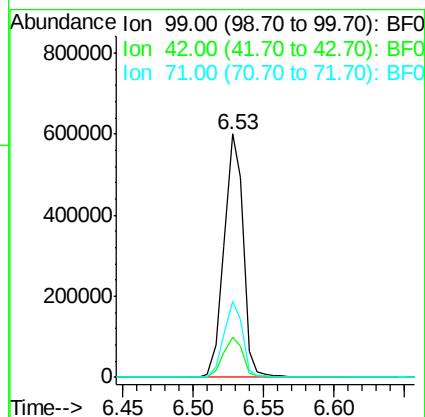
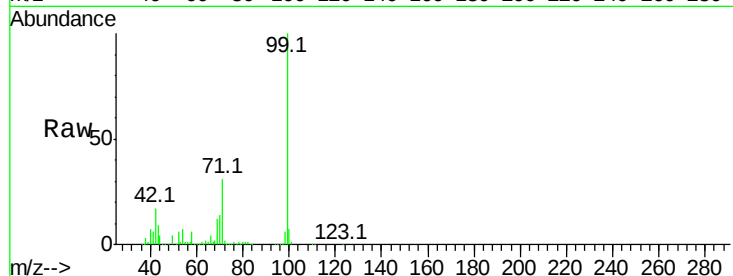
ClientSampleId :

G-64A-0-1.5

Tot Ion:	99	Resp:	568095
Ion Ratio	Lower	Upper	
99	100		
42	16.5	14.5	21.7
71	31.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

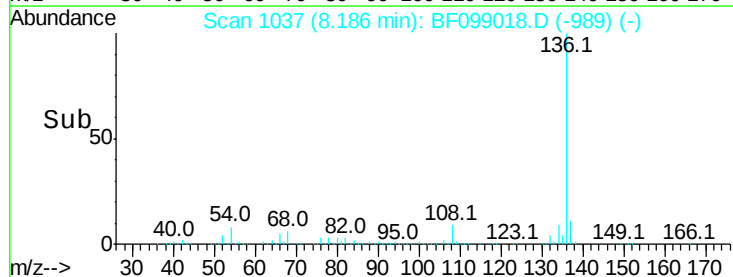
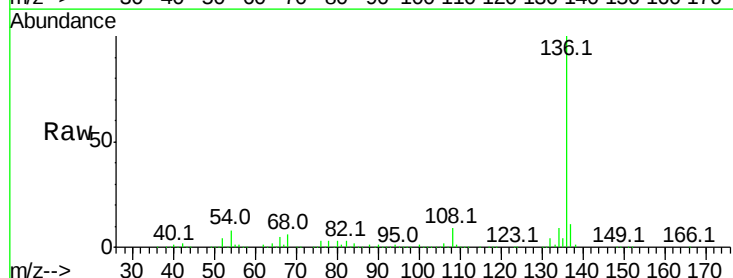
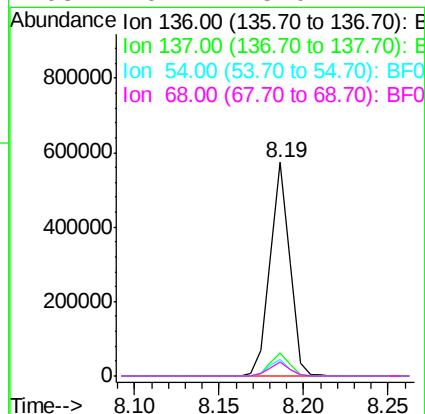
RT: 8.19 min Scan# 1037

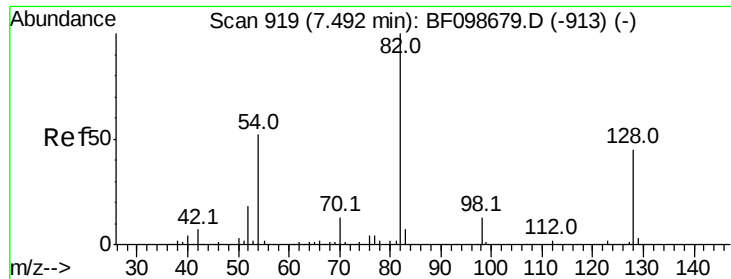
Delta R.T. -0.02 min

Lab File: BF099018.D

Acq: 2 Oct 2017 23:47

Tgt Ion:	136	Resp:	460204
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	7.8	6.6	9.8
68	6.4	5.0	7.4





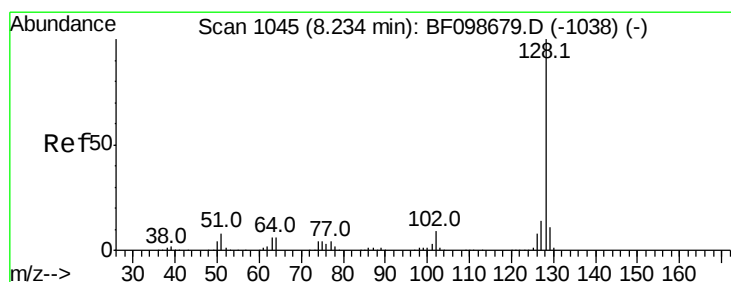
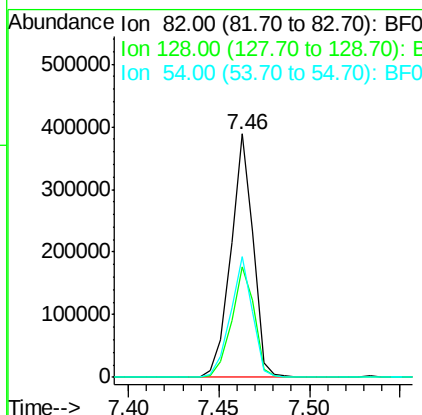
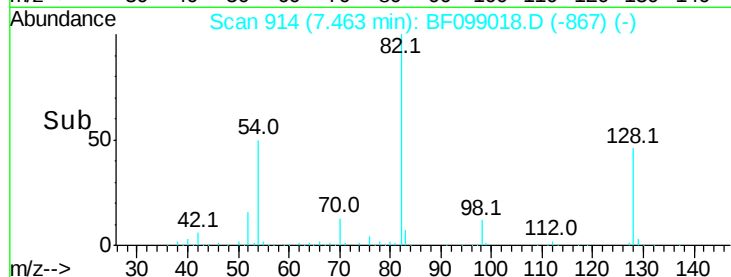
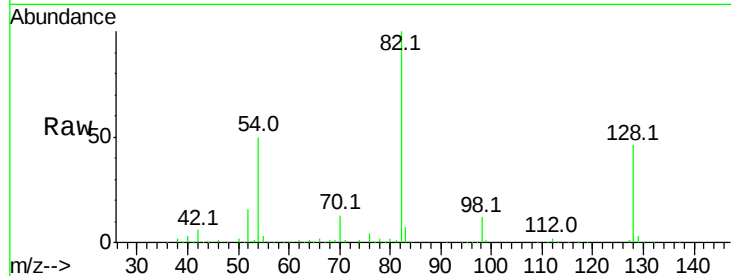
#23
Nitrobenzene-d5
Concen: 46.304 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.02 min
Lab File: BF099018.D
Acq: 2 Oct 2017 23:47

Instrument :
BNA_F
ClientSampled :
G-64A-0-1.5

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.5	36.1	54.1	
54	49.6	41.4	62.2	

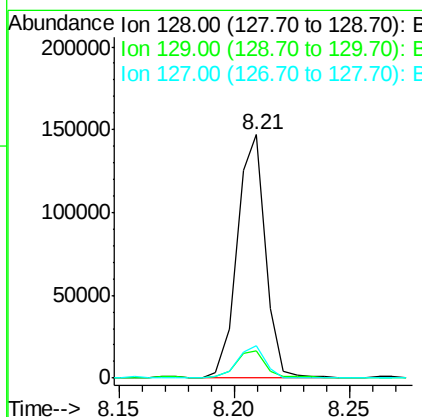
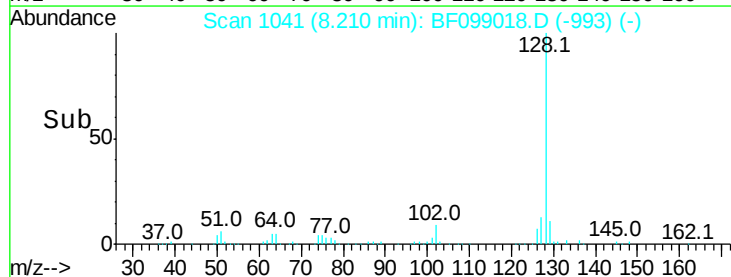
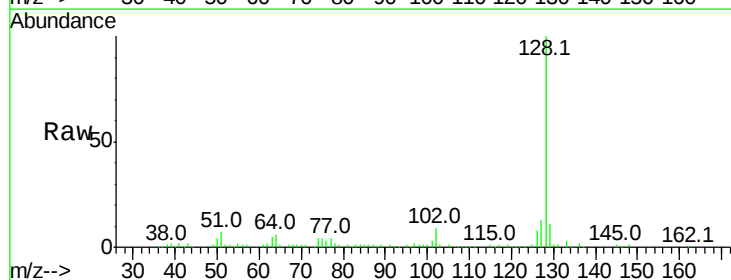
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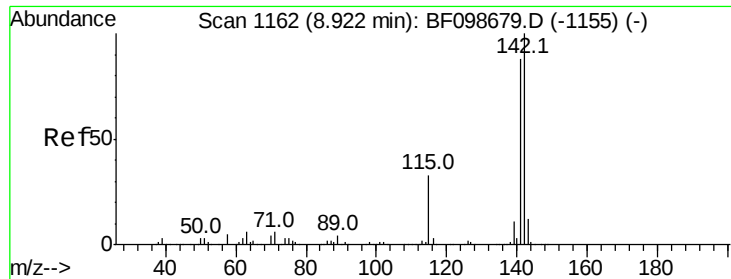
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#31
Naphthalene
Concen: 5.728 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.02 min
Lab File: BF099018.D
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Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.1	8.8	13.2	
127	13.1	10.9	16.3	





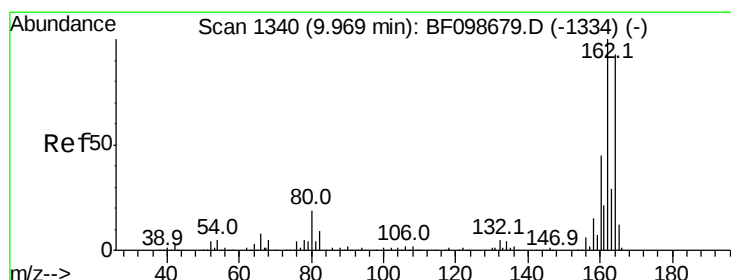
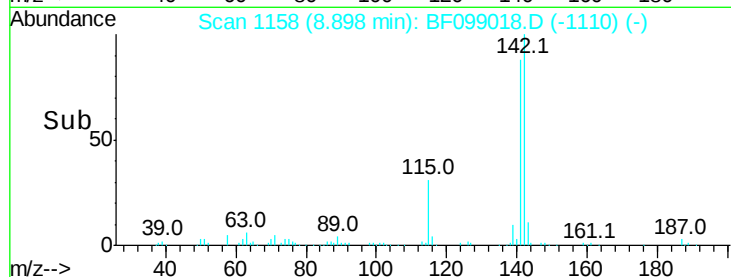
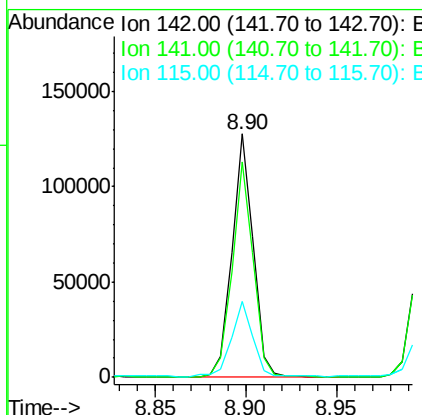
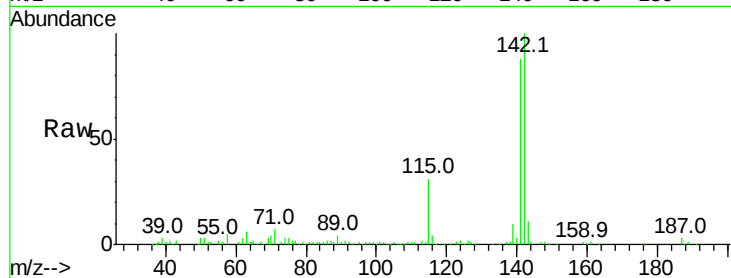
#37
2-Methylnaphthalene
Concen: 7.424 ng
RT: 8.90 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BF099018.D
Acq: 2 Oct 2017 23:47

Instrument :
BNA_F
ClientSampleId :
G-64A-0-1.5

Tot Ion	Ratio	Resp	Lower	Upper
142	100			
141	88.4	70.8	106.2	
115	31.1	26.1	39.1	

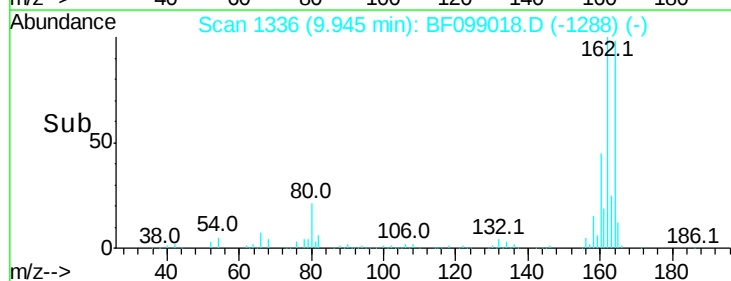
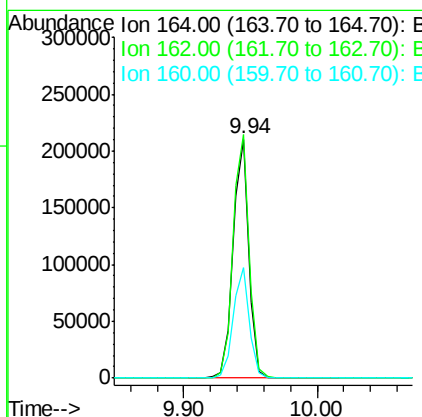
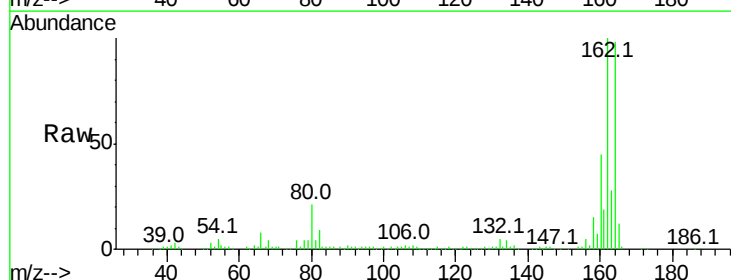
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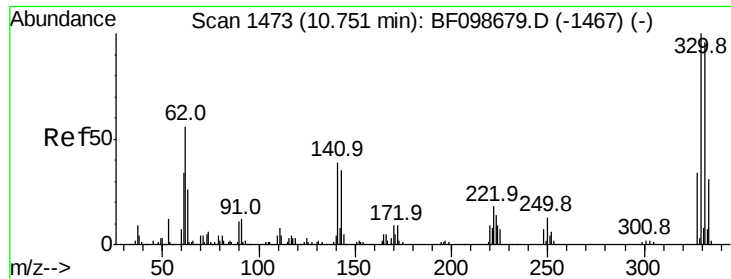
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BF099018.D
Acq: 2 Oct 2017 23:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.8	86.1	129.1	
160	46.1	38.3	57.5	





#41

2,4,6-Tribromophenol

Concen: 41.286 ng

RT: 10.73 min Scan# 1470

Delta R.T. -0.02 min

Lab File: BF099018.D

Acq: 2 Oct 2017 23:47

Instrument :

BNA_F

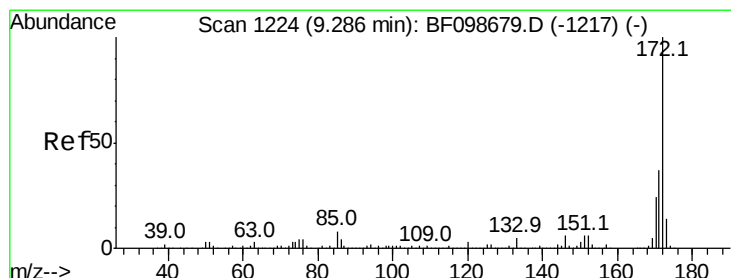
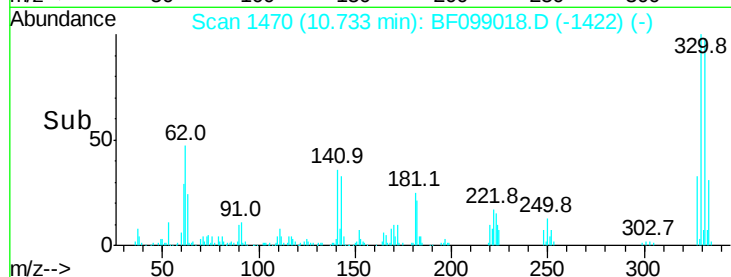
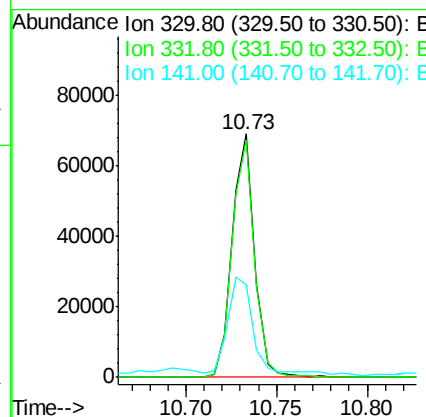
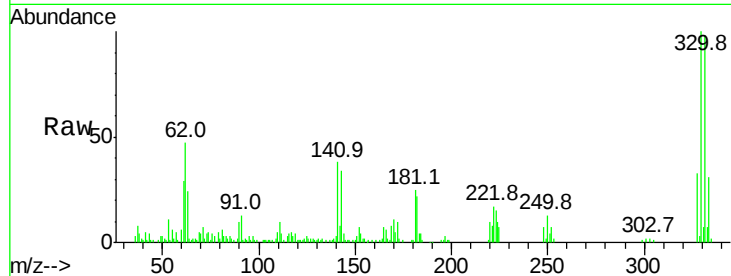
ClientSampleId :

G-64A-0-1.5

Tot Ion:	330	Resp:	59321
Ion Ratio	Lower	Upper	
330	100		
332	97.8	77.0	115.6
141	48.1	29.9	44.9#

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#44

2-Fluorobiphenyl

Concen: 53.893 ng

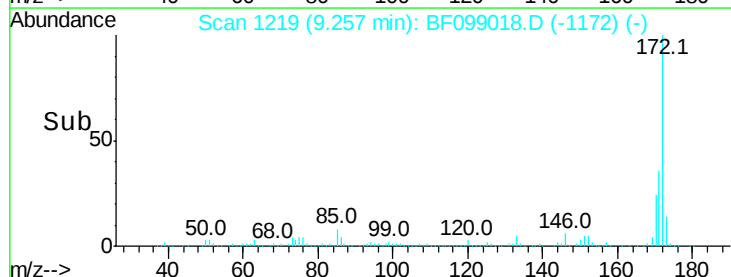
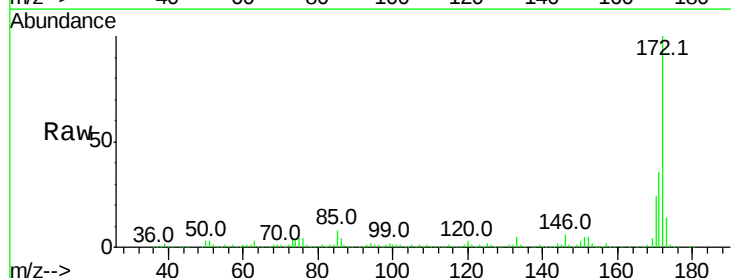
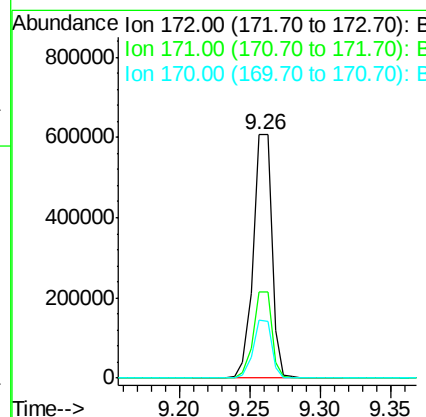
RT: 9.26 min Scan# 1219

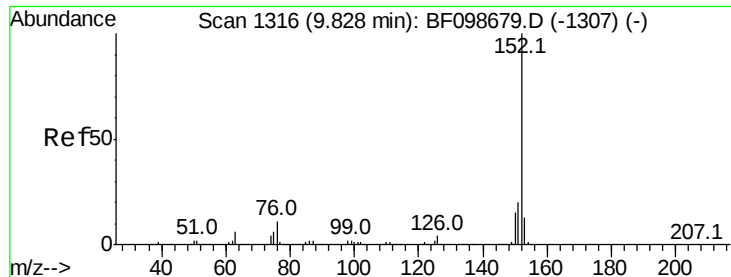
Delta R.T. -0.02 min

Lab File: BF099018.D

Acq: 2 Oct 2017 23:47

Tgt Ion:	172	Resp:	566858
Ion Ratio	Lower	Upper	
172	100		
171	35.5	29.7	44.5
170	24.0	19.6	29.4





#48

Acenaphthylene

Concen: 3.102 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF099018.D

Acq: 2 Oct 2017 23:47

Instrument :

BNA_F

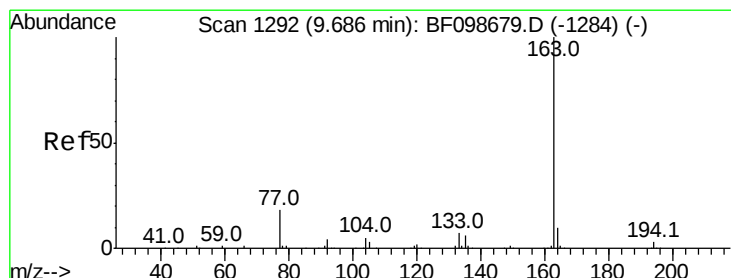
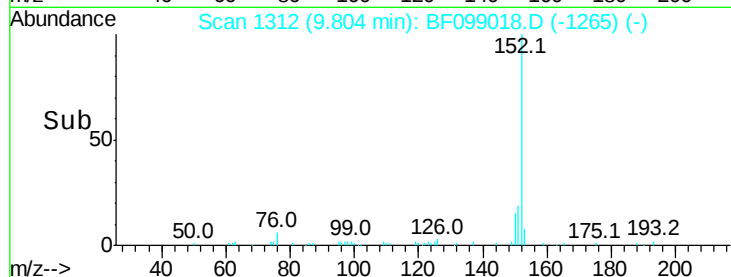
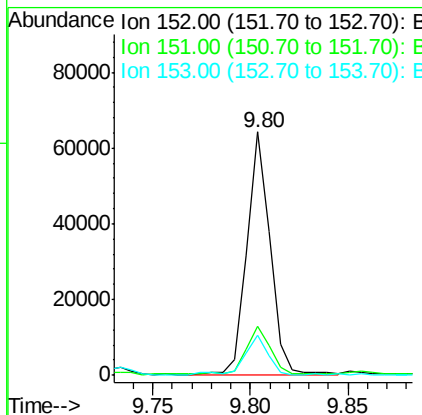
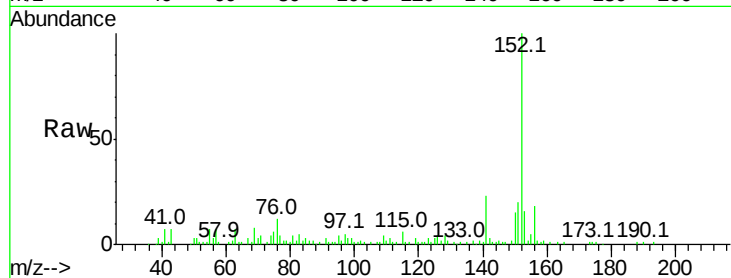
ClientSampleId :

G-64A-0-1.5

Tot Ion:	152	Resp:	53814
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.3	24.5
153	16.4	10.7	16.1#

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#49

Dimethylphthalate

Concen: 7.139 ng

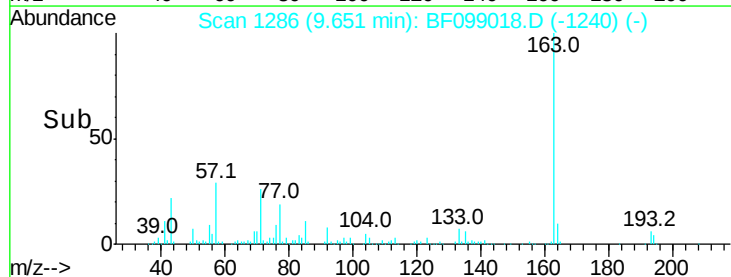
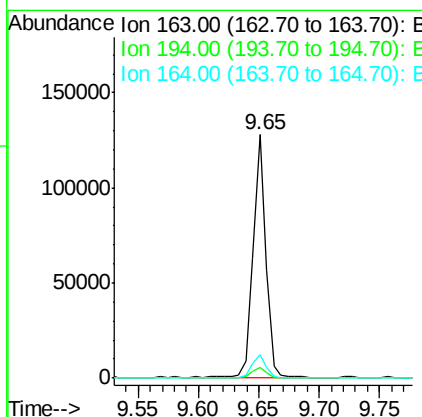
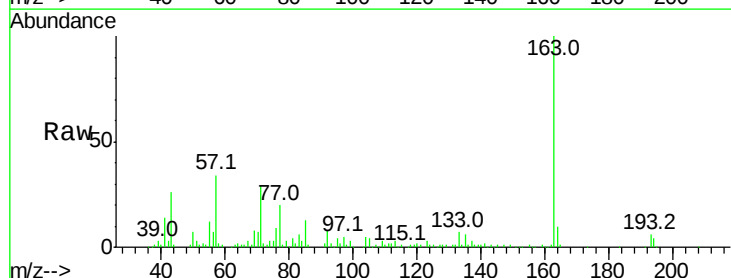
RT: 9.65 min Scan# 1286

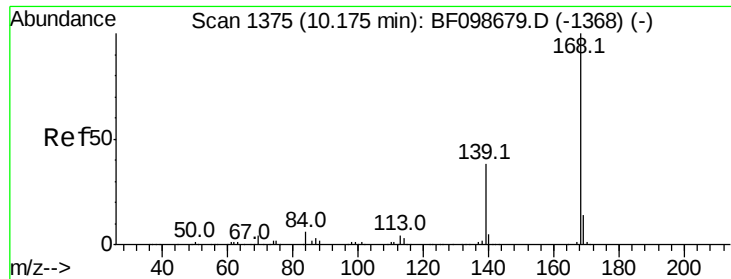
Delta R.T. -0.03 min

Lab File: BF099018.D

Acq: 2 Oct 2017 23:47

Tgt Ion:	163	Resp:	94613
Ion Ratio	Lower	Upper	
163	100		
194	4.3	2.7	4.1#
164	9.6	8.2	12.2





#54

Dibenzofuran

Concen: 4.129 ng

RT: 10.14 min Scan# 1370

Delta R.T. -0.02 min

Lab File: BF099018.D

Acq: 2 Oct 2017 23:47

Instrument :

BNA_F

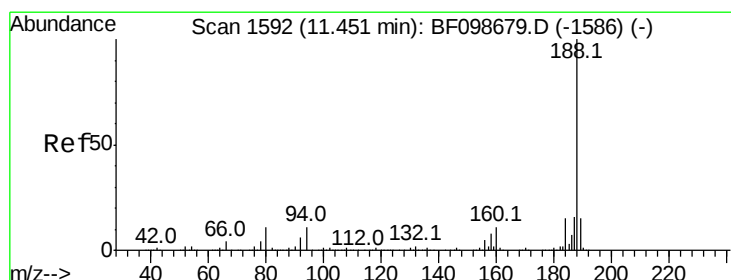
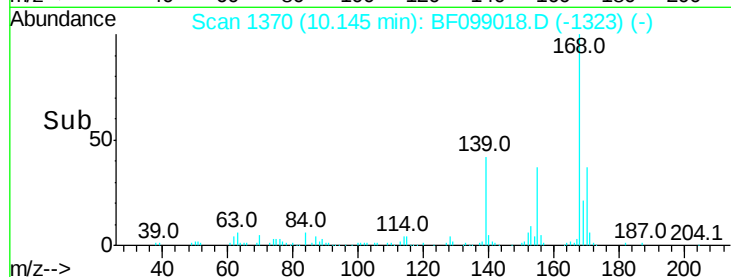
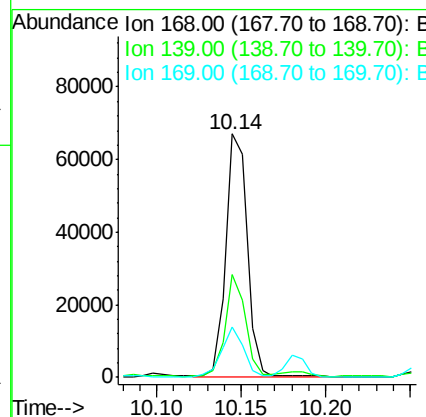
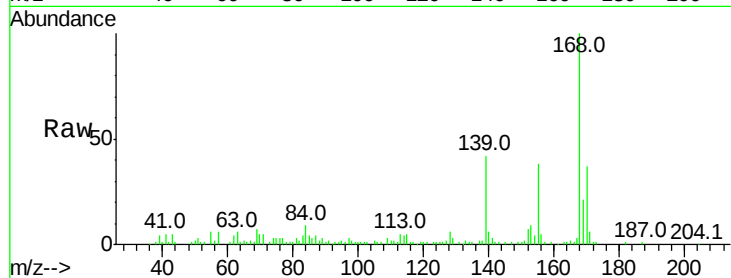
ClientSampleId :

G-64A-0-1.5

Tot Ion	Ratio	Lower	Upper
168	100		
139	42.2	30.1	45.1
169	20.6	10.9	16.3

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#63

Phenanthrene-d10

Concen: 20.000 ng

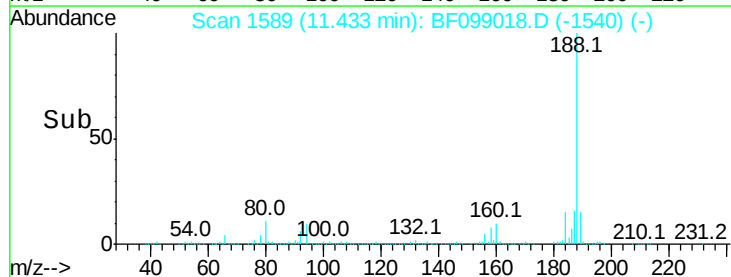
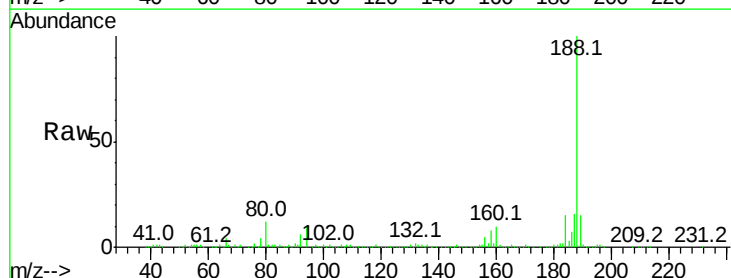
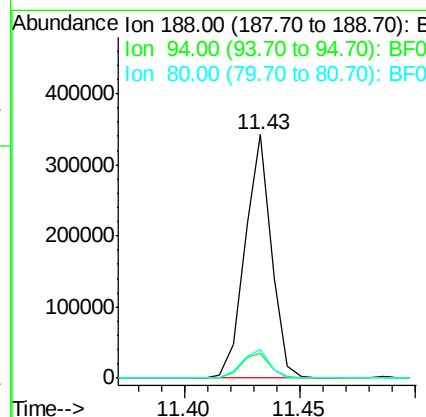
RT: 11.43 min Scan# 1589

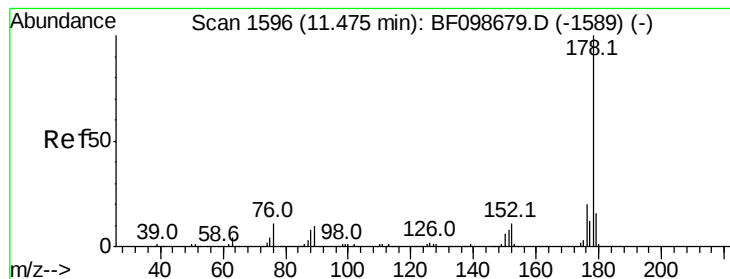
Delta R.T. -0.01 min

Lab File: BF099018.D

Acq: 2 Oct 2017 23:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	11.6	9.2	13.8





#70

Phenanthrene

Concen: 17.048 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.02 min

Lab File: BF099018.D

Acq: 2 Oct 2017 23:47

Instrument :

BNA_F

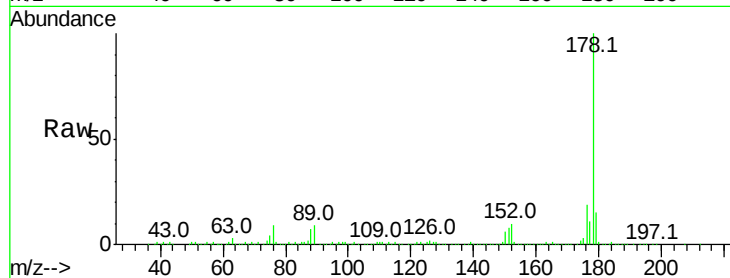
ClientSampleId :

G-64A-0-1.5

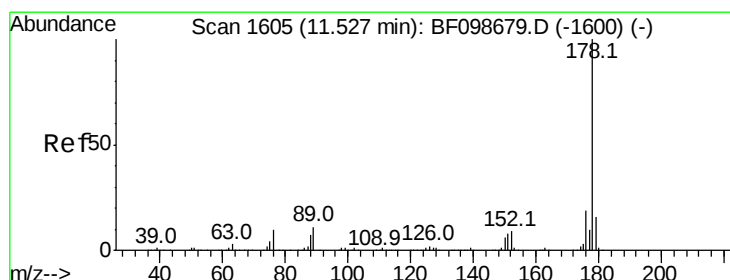
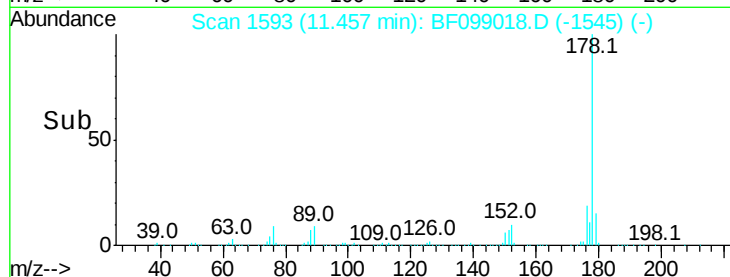
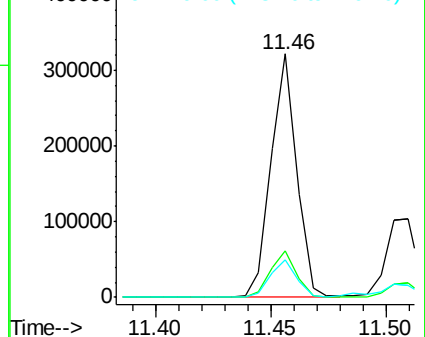
Tot Ion:178	Resp:	248352
Ion Ratio	Lower	Upper
178	100	
176	19.1	15.8 23.8
179	15.5	13.0 19.6

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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



#71

Anthracene

Concen: 6.259 ng

RT: 11.51 min Scan# 1602

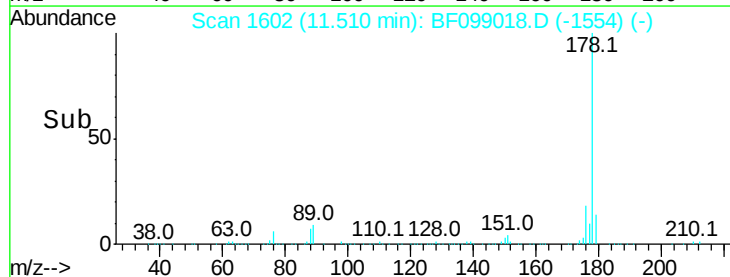
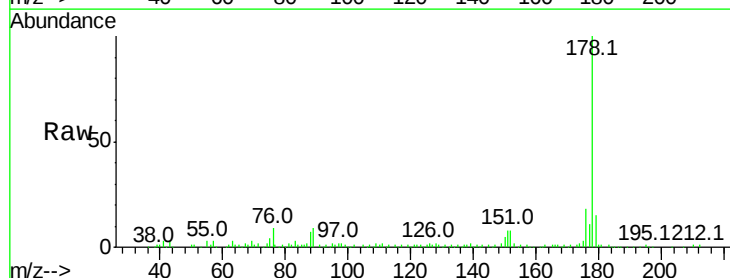
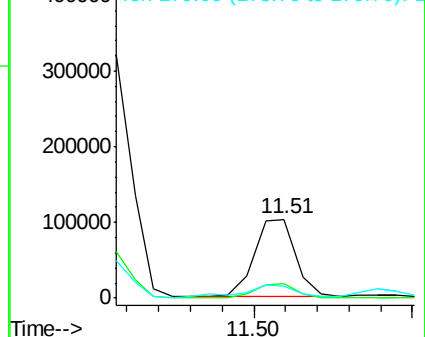
Delta R.T. -0.02 min

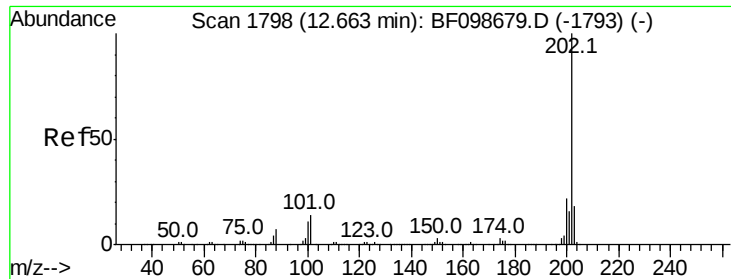
Lab File: BF099018.D

Acq: 2 Oct 2017 23:47

Tgt Ion:178	Resp:	93296
Ion Ratio	Lower	Upper
178	100	
176	18.3	15.4 23.2
179	14.6	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





#74

Fluoranthene

Concen: 22.878 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.02 min

Lab File: BF099018.D

Acq: 2 Oct 2017 23:47

Instrument :

BNA_F

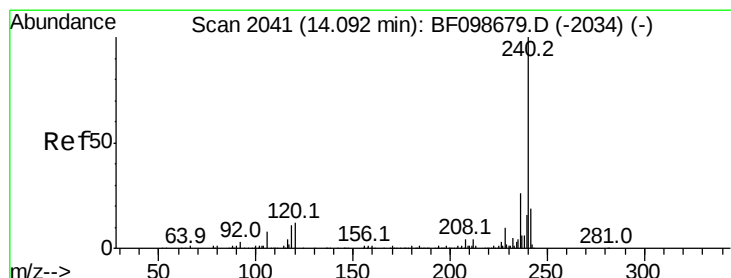
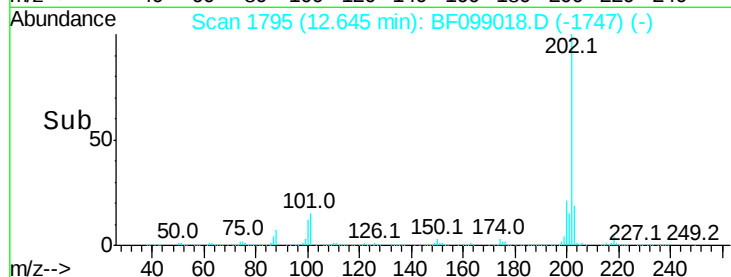
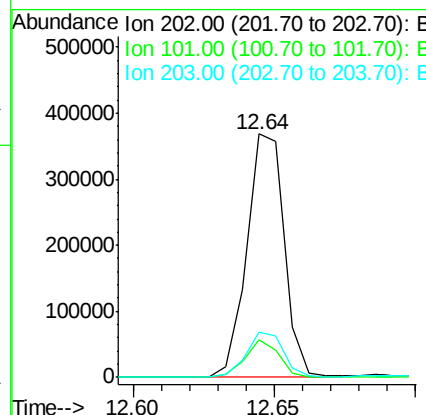
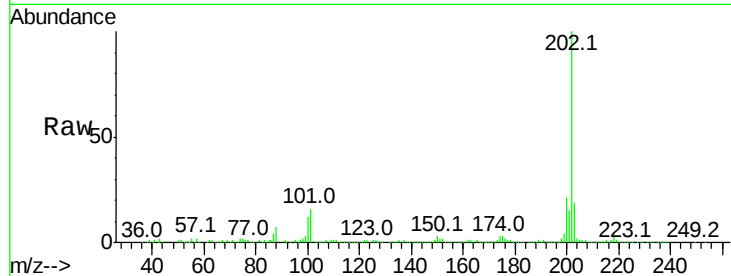
ClientSampleId :

G-64A-0-1.5

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	15.6	0.0	34.1	
203	18.7	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

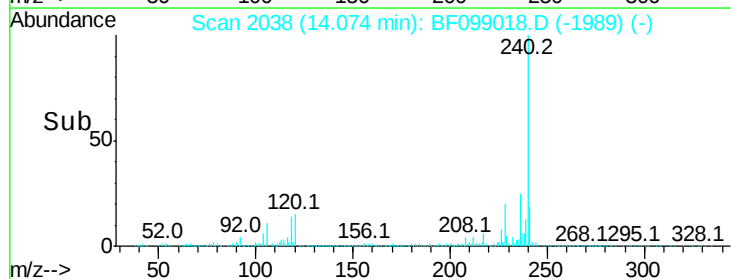
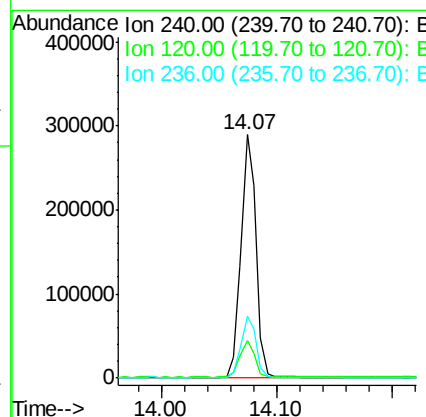
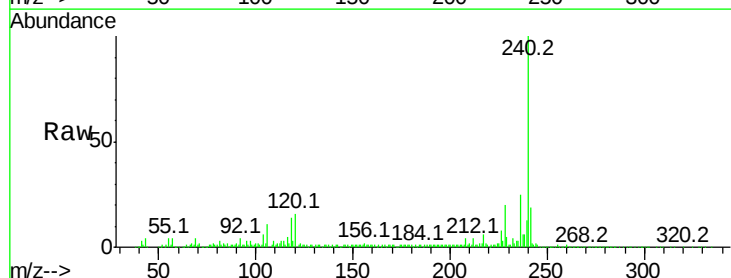
RT: 14.07 min Scan# 2038

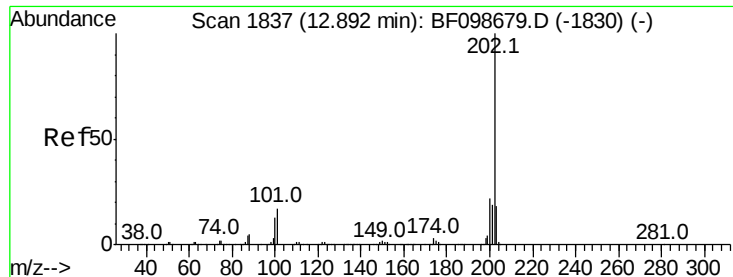
Delta R.T. -0.01 min

Lab File: BF099018.D

Acq: 2 Oct 2017 23:47

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	15.6	9.5	14.3#	
236	25.5	20.7	31.1	





#77

Pvrene

Concen: 15.189 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF099018.D

Acq: 2 Oct 2017 23:47

Instrument :

BNA_F

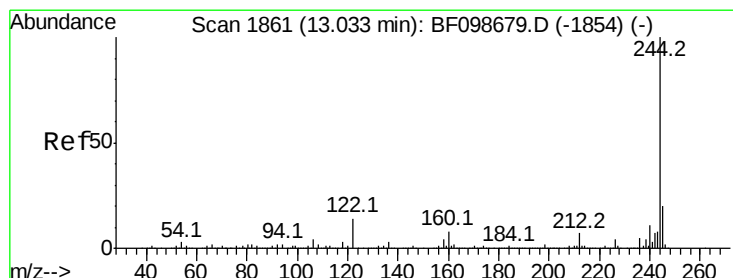
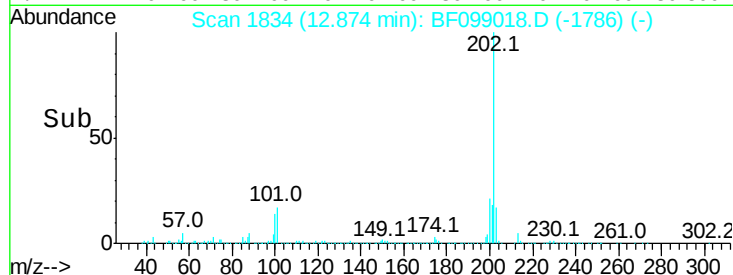
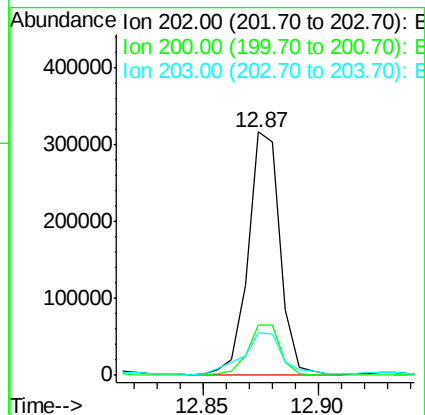
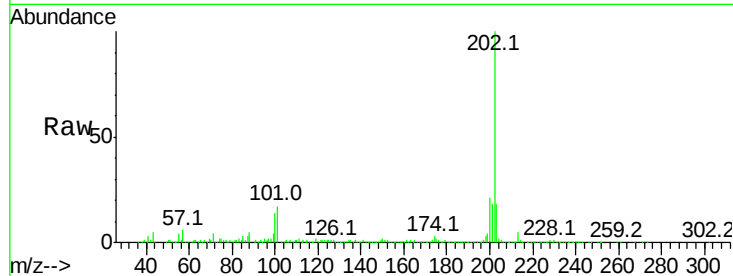
ClientSampleId :

G-64A-0-1.5

Tot Ion:	202	Resp:	302527
Ion Ratio		Lower	Upper
202	100		
200	20.6	17.4	26.2
203	17.7	14.3	21.5

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#78

Terphenyl-d14

Concen: 37.603 ng

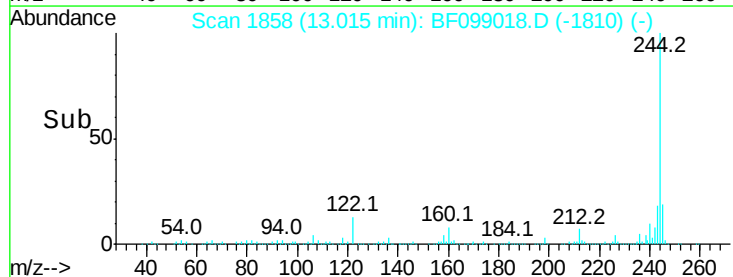
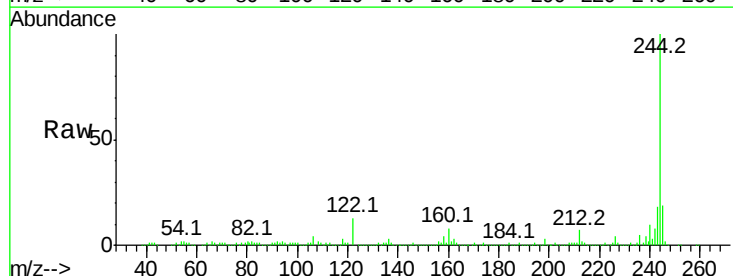
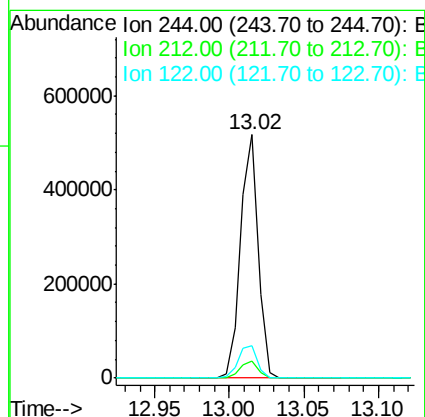
RT: 13.02 min Scan# 1858

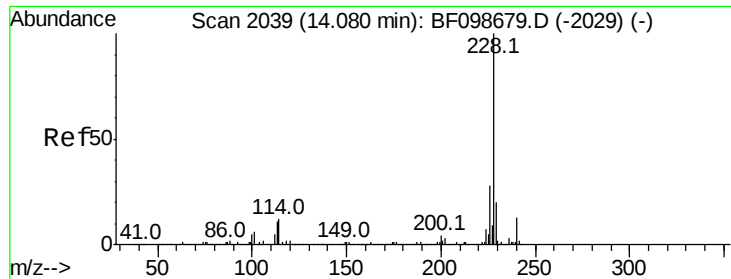
Delta R.T. -0.02 min

Lab File: BF099018.D

Acq: 2 Oct 2017 23:47

Tgt Ion:	244	Resp:	431865
Ion Ratio		Lower	Upper
244	100		
212	6.8	5.4	8.0
122	13.2	11.0	16.4





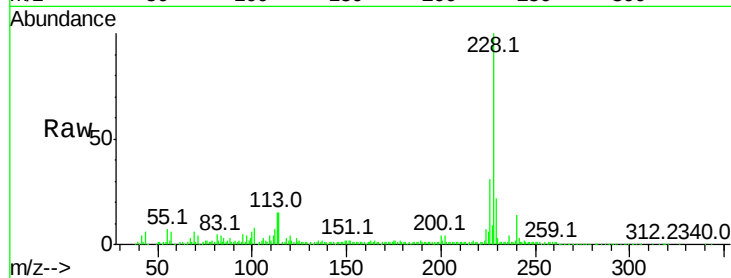
#80
Benzo(a)anthracene
Concen: 12.319 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF099018.D
Acq: 2 Oct 2017 23:47

Instrument :
BNA_F
ClientSampleId :
G-64A-0-1.5

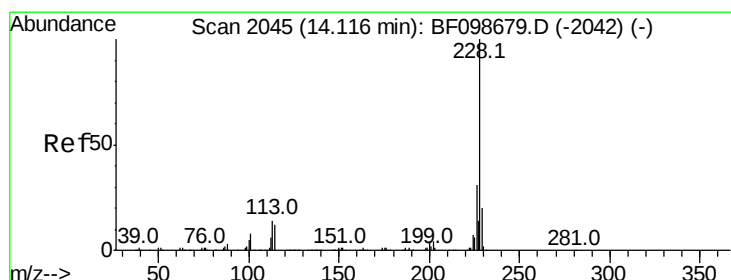
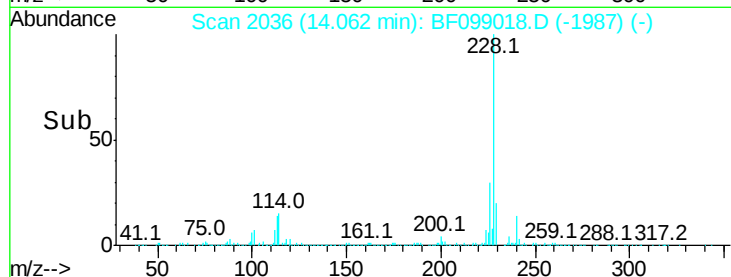
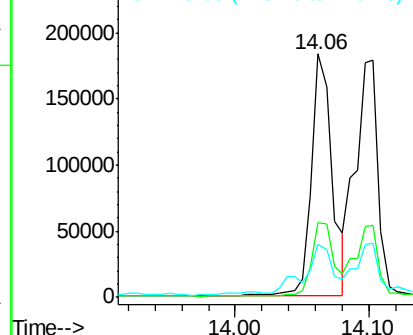
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.6	33.8
229	21.6	15.8	23.6

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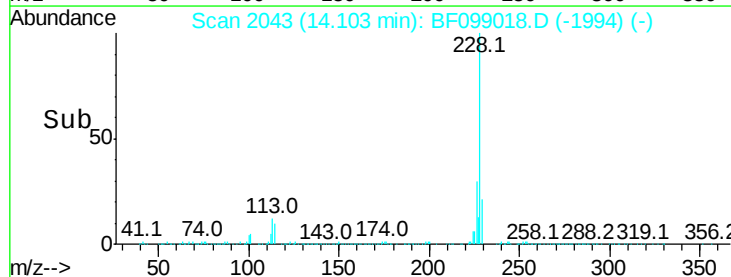
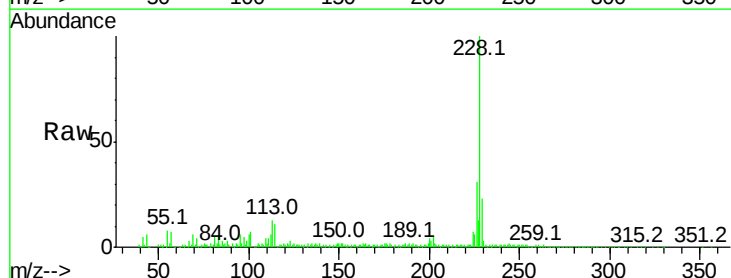
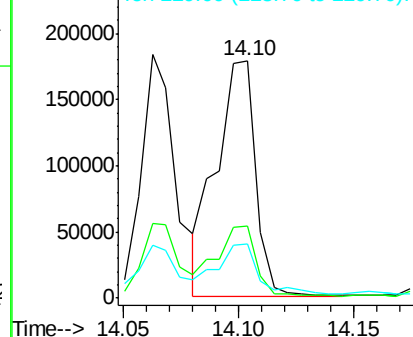
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

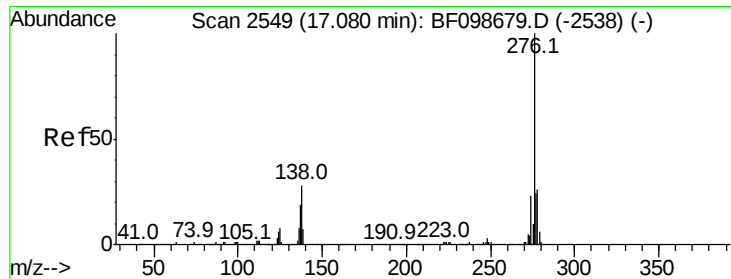


#82
Chrysene
Concen: 14.112 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF099018.D
Acq: 2 Oct 2017 23:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	22.6	16.2	24.4

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





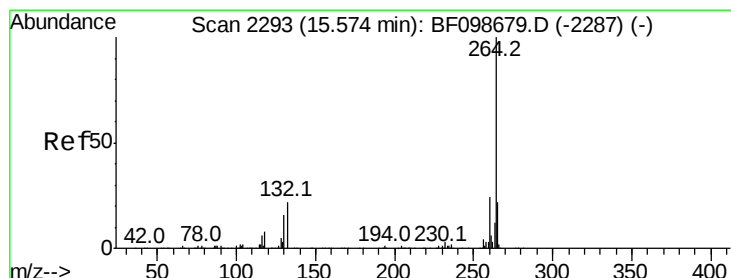
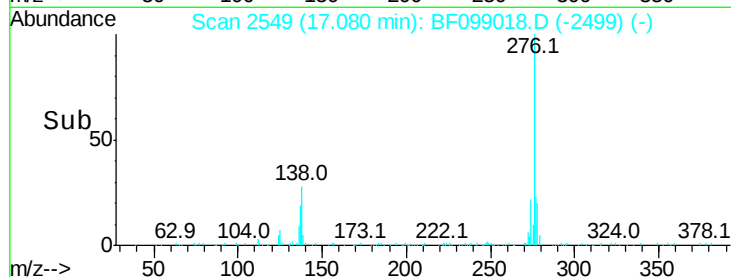
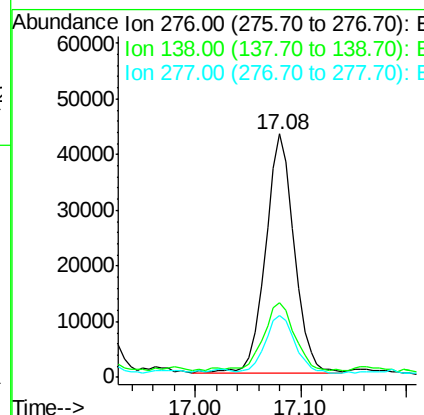
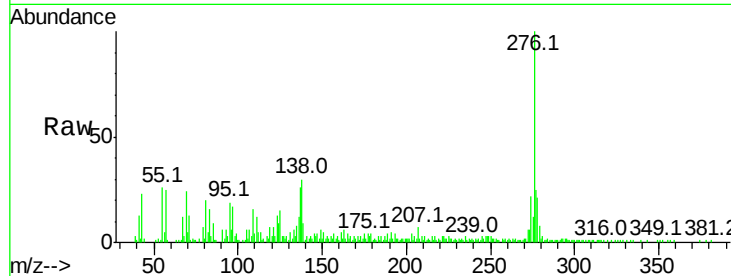
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.720 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF099018.D
Acq: 2 Oct 2017 23:47

Instrument :
BNA_F
ClientSampleId :
G-64A-0-1.5

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.7	25.0	37.6
277	25.6	20.1	30.1

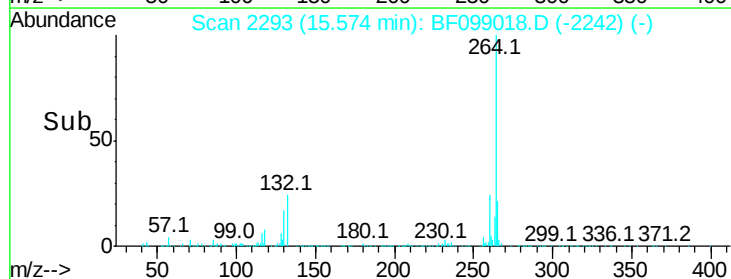
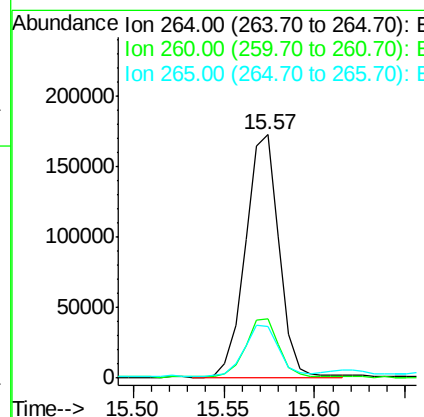
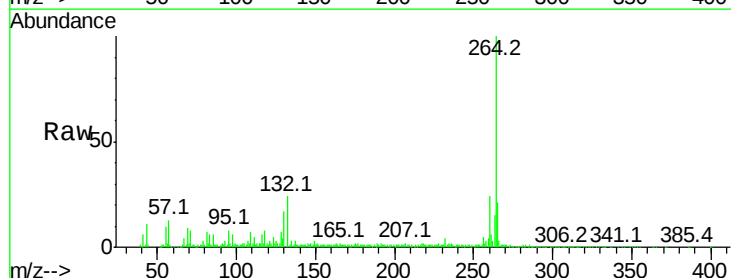
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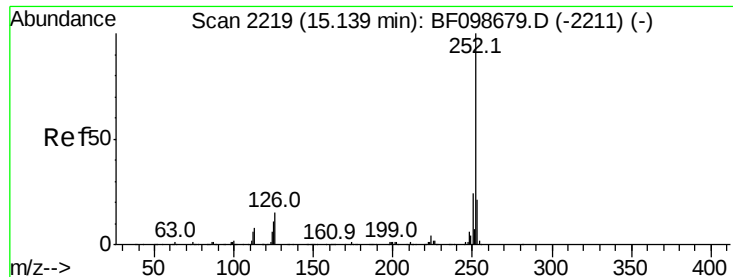
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: BF099018.D
Acq: 2 Oct 2017 23:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.0	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 24.488 ng m

RT: 15.13 min Scan# 2218

Delta R.T. -0.01 min

Lab File: BF099018.D

Acq: 2 Oct 2017 23:47

Instrument :

BNA_F

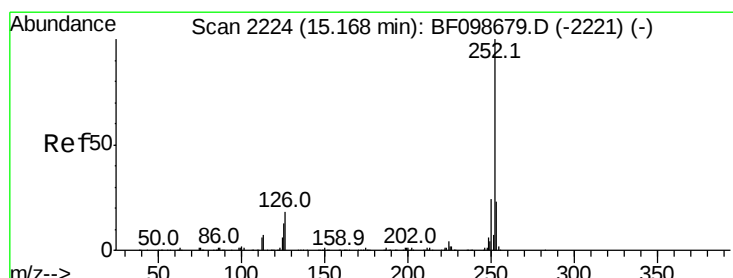
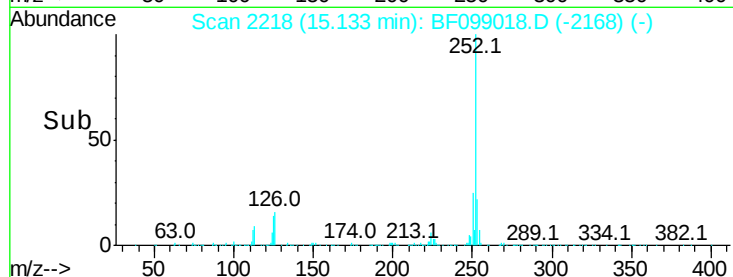
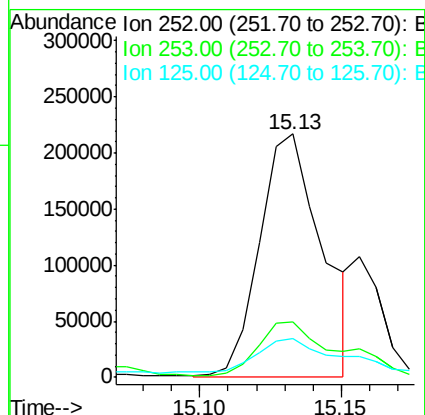
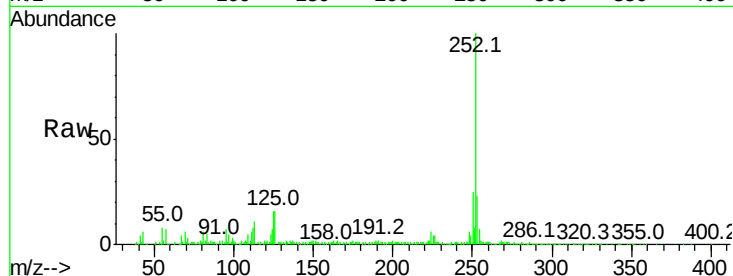
ClientSampled :

G-64A-0-1.5

Tot Ion:	252	Resp:	331159
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.0	25.6
125	16.2	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 5.873 ng m

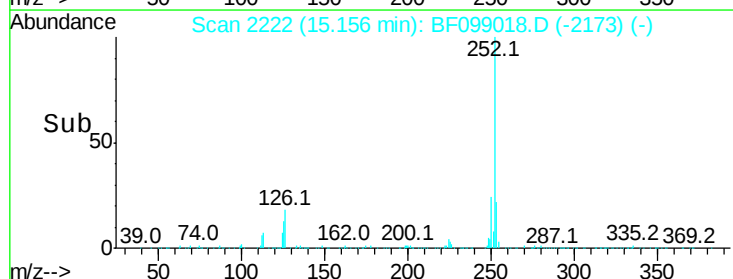
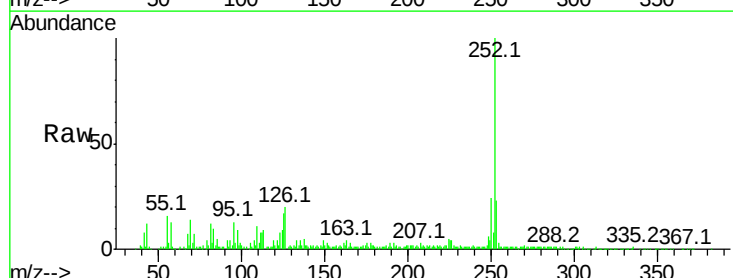
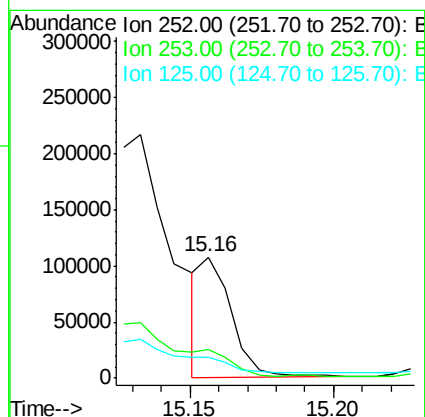
RT: 15.16 min Scan# 2222

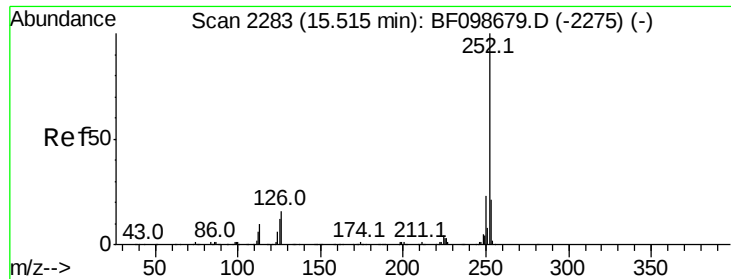
Delta R.T. -0.01 min

Lab File: BF099018.D

Acq: 2 Oct 2017 23:47

Tgt Ion:	252	Resp:	78441
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.9	26.9
125	17.0	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 10.038 ng

RT: 15.50 min Scan# 2281

Delta R.T. -0.01 min

Lab File: BF099018.D

Acq: 2 Oct 2017 23:47

Instrument :

BNA_F

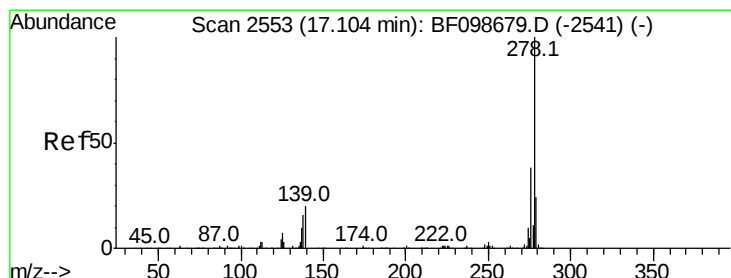
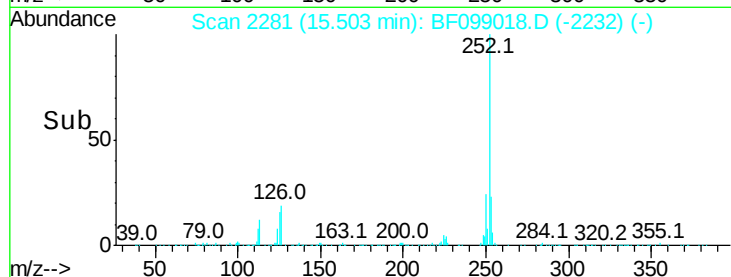
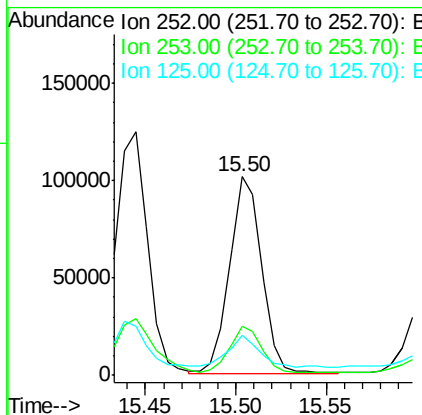
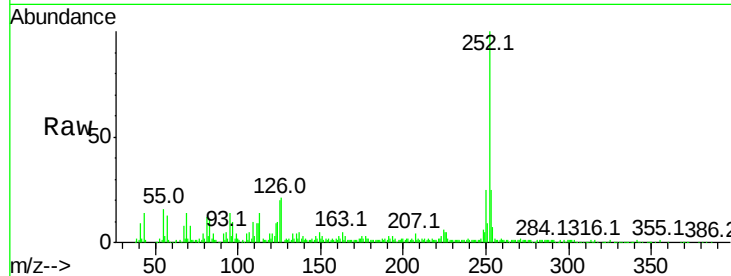
ClientSampleId :

G-64A-0-1.5

Tot Ion:	252	Resp:	124609
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.1	25.7
125	20.0	9.8	14.6#

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#90

Dibenzo(a,h)anthracene

Concen: 2.220 ng

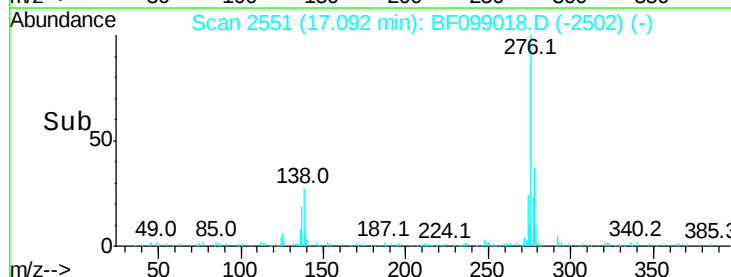
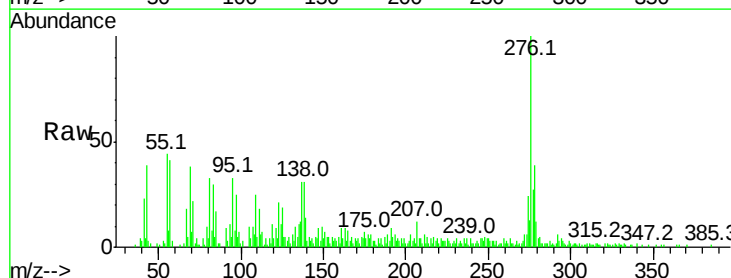
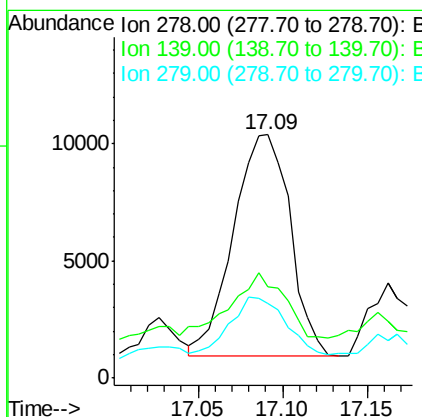
RT: 17.09 min Scan# 2551

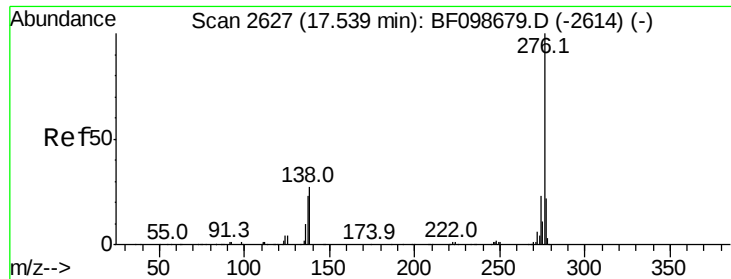
Delta R.T. -0.01 min

Lab File: BF099018.D

Acq: 2 Oct 2017 23:47

Tgt Ion:	278	Resp:	22052
Ion Ratio	Lower	Upper	
278	100		
139	37.4	15.9	23.9#
279	30.5	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 6.896 ng
 RT: 17.54 min Scan# 2627
 Delta R.T. -0.01 min
 Lab File: BF099018.D
 Acq: 2 Oct 2017 23:47

Instrument :
 BNA_F
 ClientSampleId :
 G-64A-0-1.5

Tot Ion:	276	Resp:	67717
Ion Ratio	Lower	Upper	
276	100		
277	25.9	17.9	26.9
138	32.7	21.8	32.8

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