

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
 Data File : BF099008.D
 Acq On : 2 Oct 2017 19:11
 Operator : SJ/JU
 Sample : I5531-19
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-64-1.5-3

Manual Integrations
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 10/3/2017 6:50:48 PM

Quant Time: Oct 03 02:04:53 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	132389	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	514454	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	204632	20.00	ng	-0.02
63) Phenanthrene-d10	11.43	188	301152	20.00	ng	-0.02
75) Chrysene-d12	14.07	240	239288	20.00	ng	-0.02
86) Perylene-d12	15.56	264	260693	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	948366	114.04	ng	-0.01
7) Phenol-d6	6.53	99	1102723	107.49	ng	-0.01
23) Nitrobenzene-d5	7.46	82	687453	85.70	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	165033	98.56	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	1049778	85.64	ng	-0.02
78) Terphenyl-d14	13.01	244	623474	59.26	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.20	128	88880	3.679	ng	99
37) 2-Methylnaphthalene	8.90	142	56293	3.584	ng	99
49) Dimethylphthalate	9.65	163	222369	14.398	ng	99
70) Phenanthrene	11.45	178	129087	8.008	ng	97
74) Fluoranthene	12.65	202	92891	5.691	ng	97
77) Pyrene	12.87	202	78474	4.301	ng	99
80) Benzo(a)anthracene	14.06	228	41170	2.841	ng	95
82) Chrysene	14.09	228	41954m	3.041	ng	
87) Benzo(b)fluoranthene	15.12	252	43510m	2.715	ng	
89) Benzo(a)pyrene	15.49	252	30877	2.099	ng	# 93

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

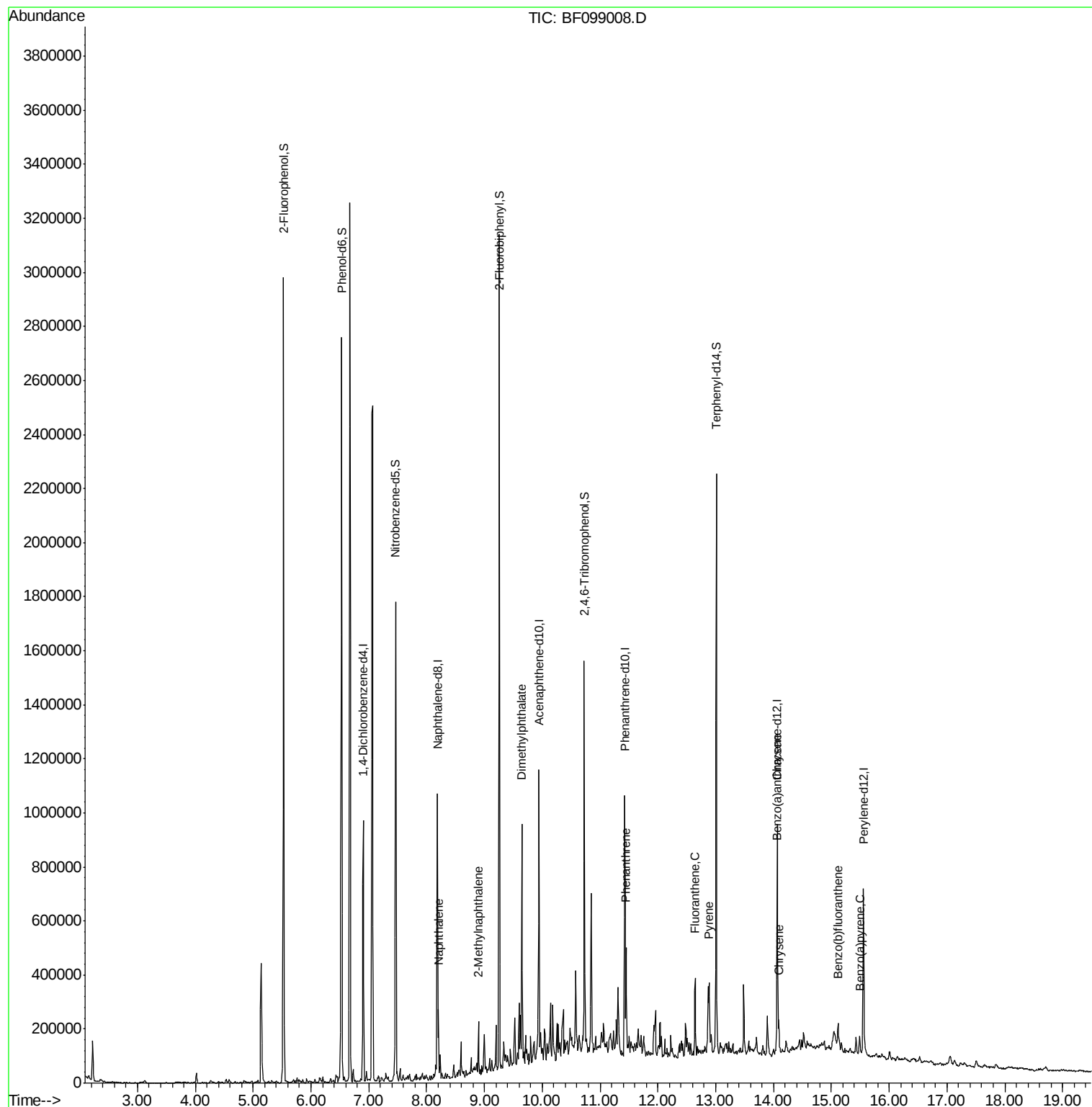
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
Data File : BF099008.D
Acq On : 2 Oct 2017 19:11
Operator : SJ/JU
Sample : I5531-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

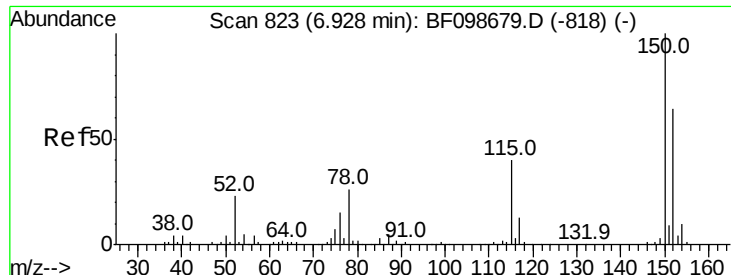
Instrument :
BNA_F
ClientSampleId :
G-64-1.5-3

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

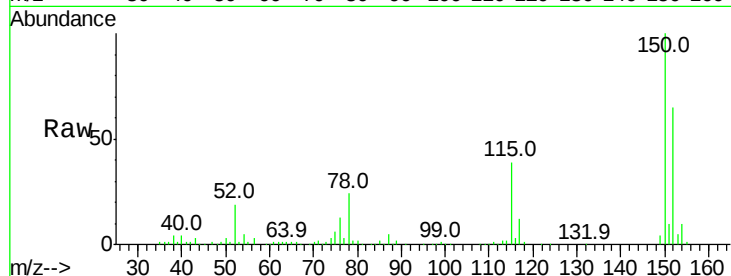
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF099008.D
Acq: 2 Oct 2017 19:11

Instrument :
BNA_F
ClientSampleId :
G-64-1.5-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	124.6	186.8
115	59.8	50.1	75.1

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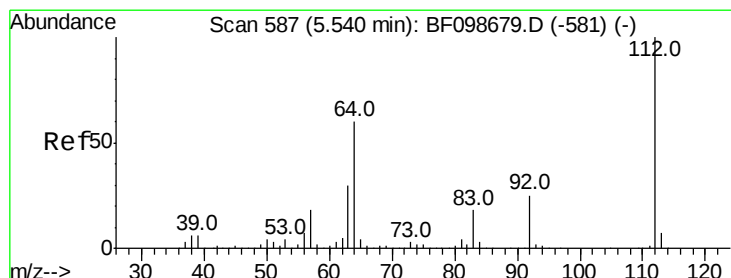
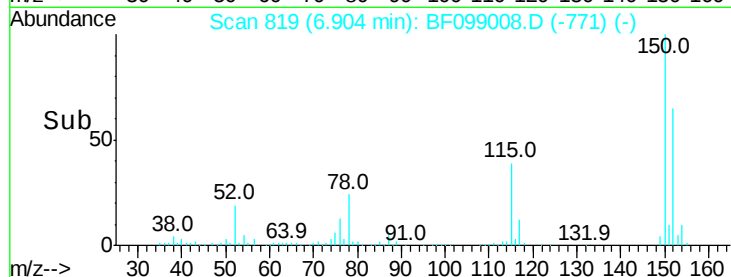
Abundance

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

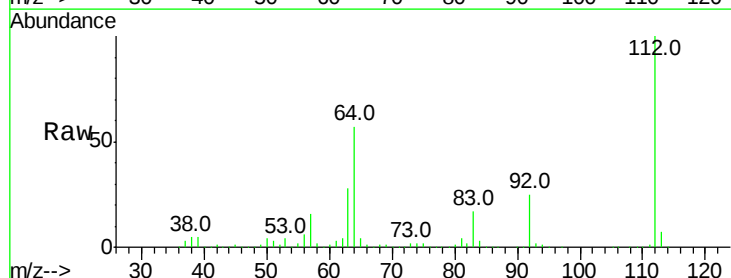
Time-->



#5

2-Fluorophenol
Concen: 114.035 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF099008.D
Acq: 2 Oct 2017 19:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	47.9	71.9
63	27.9	23.7	35.5



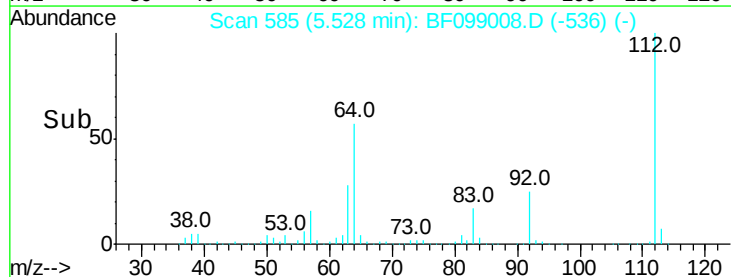
Abundance

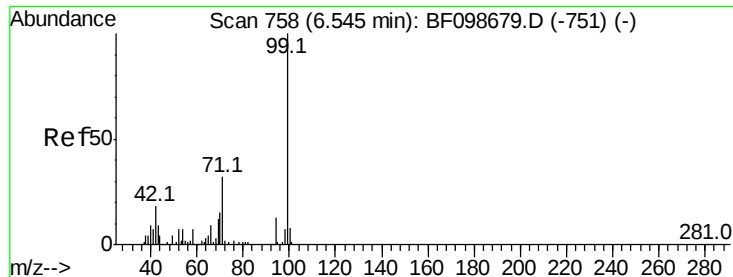
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 107.486 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF099008.D

Acq: 2 Oct 2017 19:11

Instrument :

BNA_F

ClientSampleId :

G-64-1.5-3

Tot Ion: 99 Resp: 1102723

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

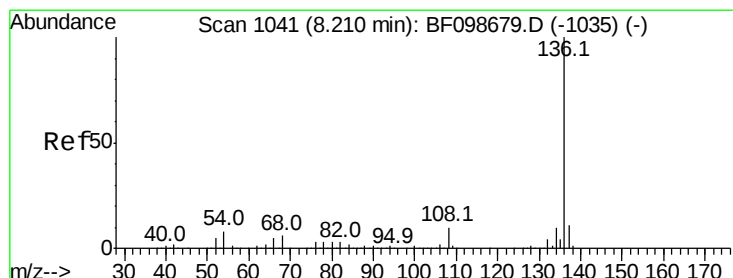
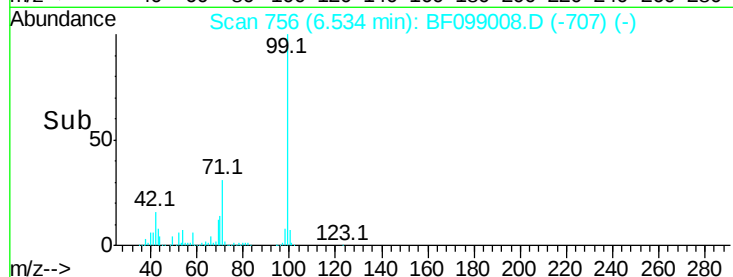
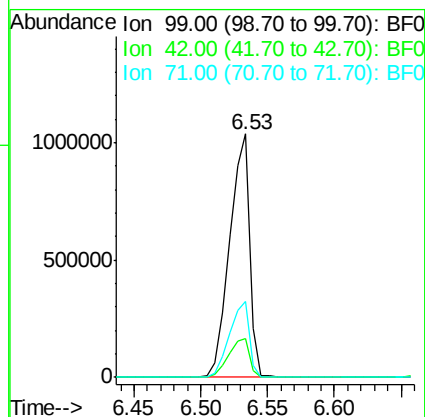
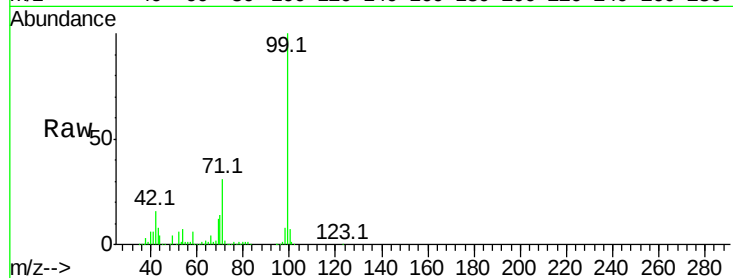
71 31.1 25.4 38.0

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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: BF099008.D

Acq: 2 Oct 2017 19:11

Tgt Ion: 136 Resp: 514454

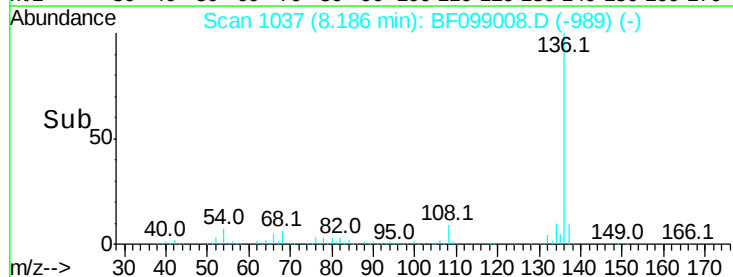
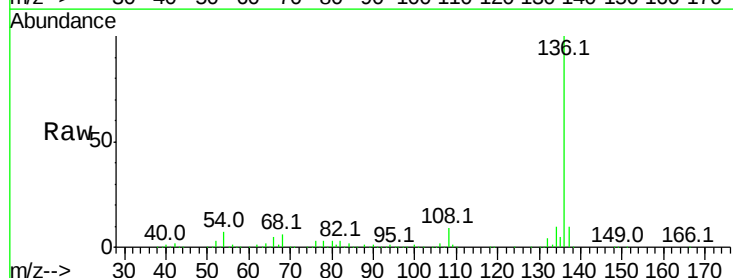
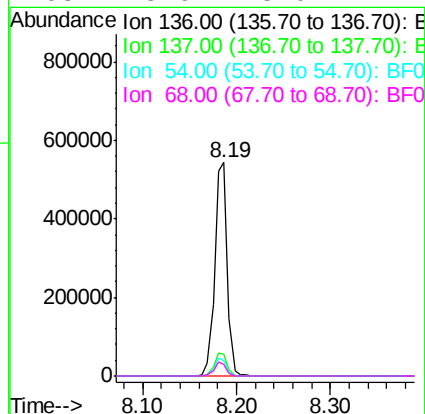
Ion Ratio Lower Upper

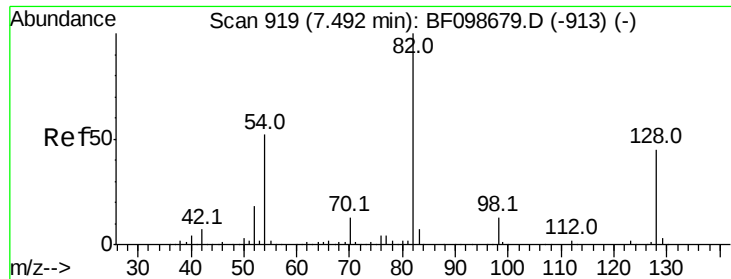
136 100

137 10.4 8.9 13.3

54 7.0 6.6 9.8

68 5.6 5.0 7.4





#23

Nitrobenzene-d5

Concen: 85.696 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.02 min

Lab File: BF099008.D

Acq: 2 Oct 2017 19:11

Instrument :

BNA_F

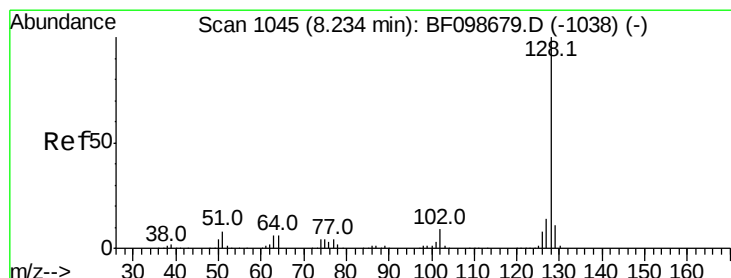
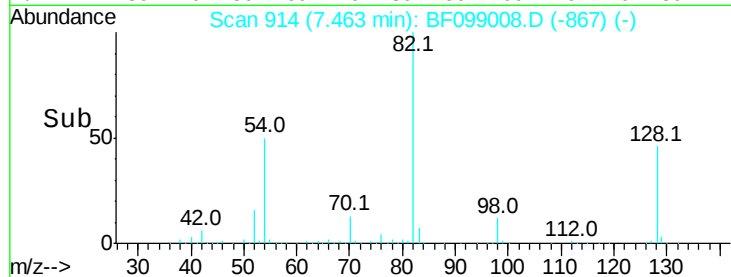
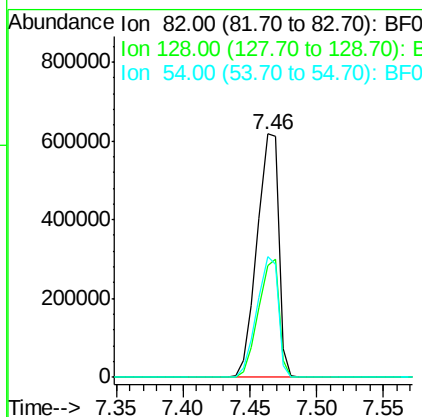
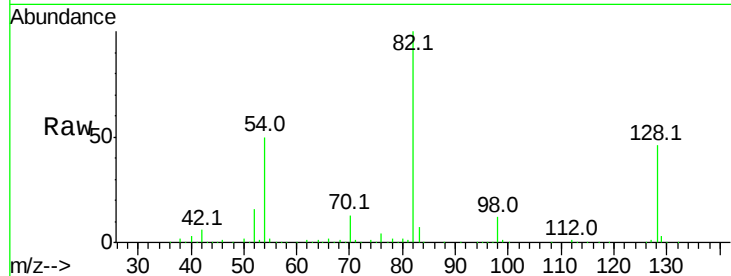
ClientSampled :

G-64-1.5-3

Tot Ion:	82	Resp:	687453
Ion Ratio	Lower	Upper	
82	100		
128	46.2	36.1	54.1
54	49.7	41.4	62.2

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#31

Naphthalene

Concen: 3.679 ng

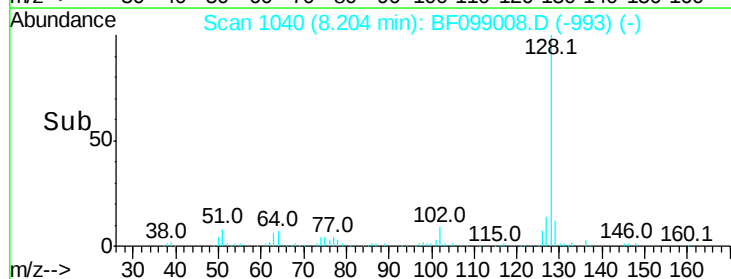
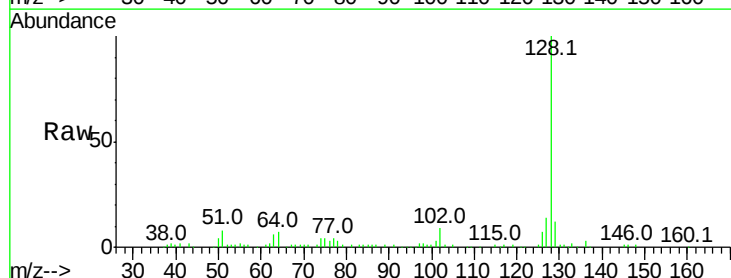
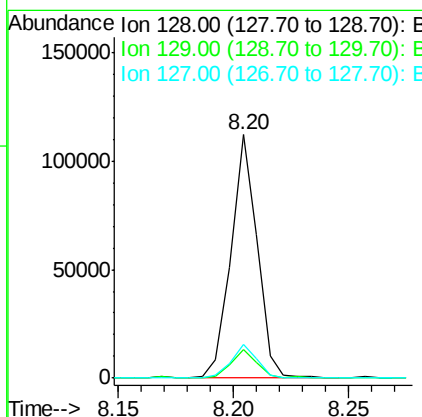
RT: 8.20 min Scan# 1040

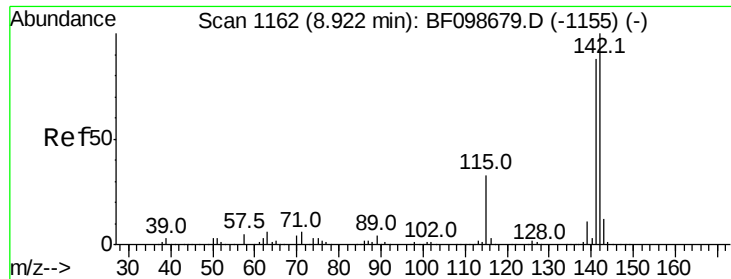
Delta R.T. -0.02 min

Lab File: BF099008.D

Acq: 2 Oct 2017 19:11

Tgt Ion:	128	Resp:	88880
Ion Ratio	Lower	Upper	
128	100		
129	11.7	8.8	13.2
127	13.7	10.9	16.3





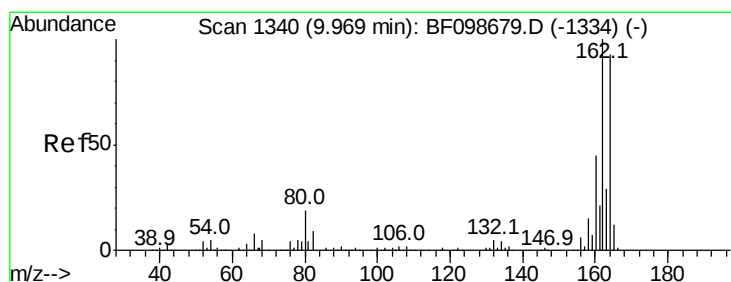
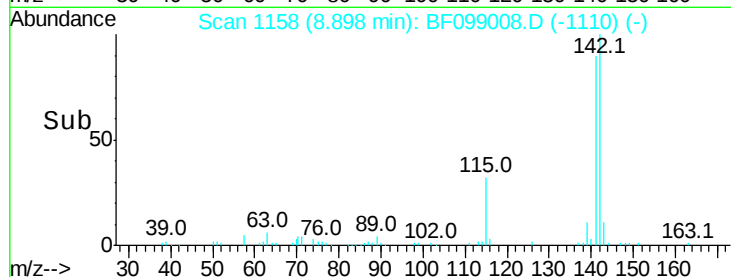
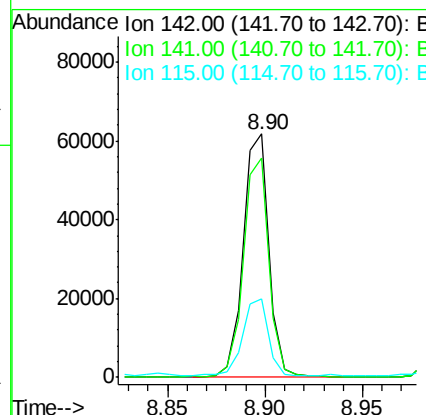
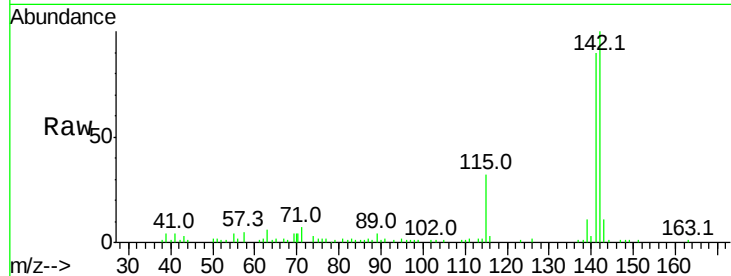
#37
2-Methylnaphthalene
Concen: 3.584 ng
RT: 8.90 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BF099008.D
Acq: 2 Oct 2017 19:11

Instrument :
BNA_F
ClientSampleId :
G-64-1.5-3

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.1	70.8	106.2
115	32.3	26.1	39.1

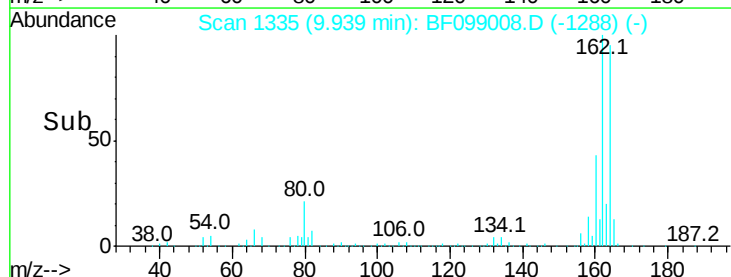
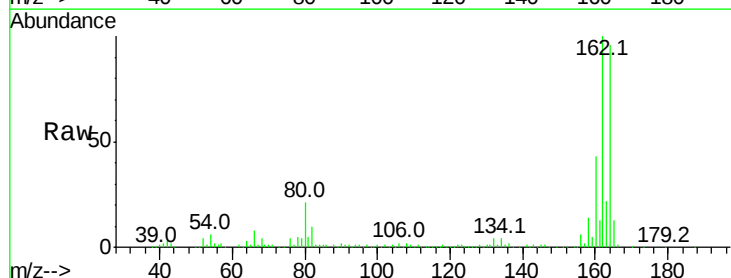
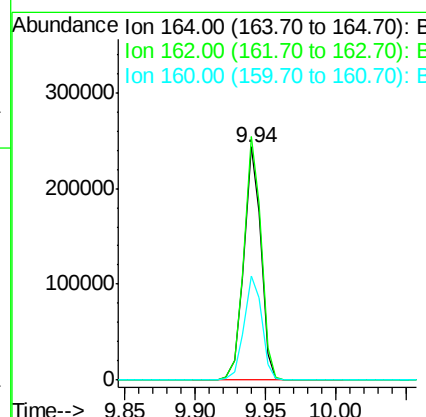
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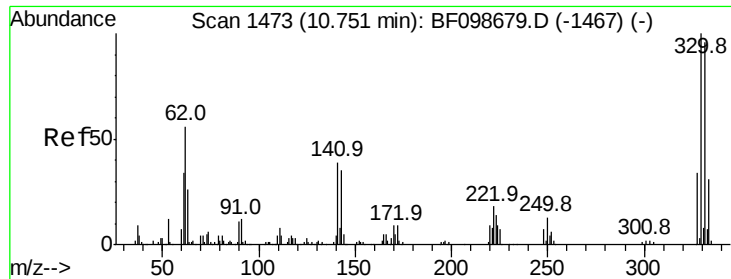
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BF099008.D
Acq: 2 Oct 2017 19:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	86.1	129.1
160	44.8	38.3	57.5





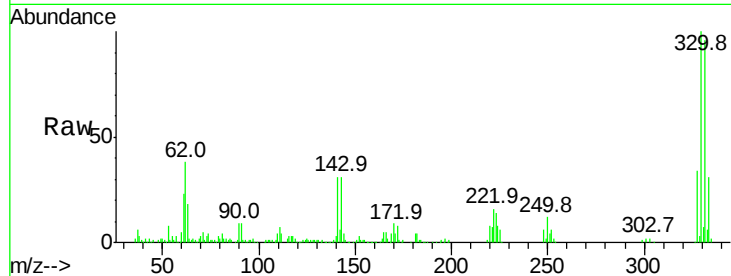
#41
 2,4,6-Tribromophenol
 Concen: 98.560 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.02 min
 Lab File: BF099008.D
 Acq: 2 Oct 2017 19:11

Instrument :
 BNA_F
 ClientSampled :
 G-64-1.5-3

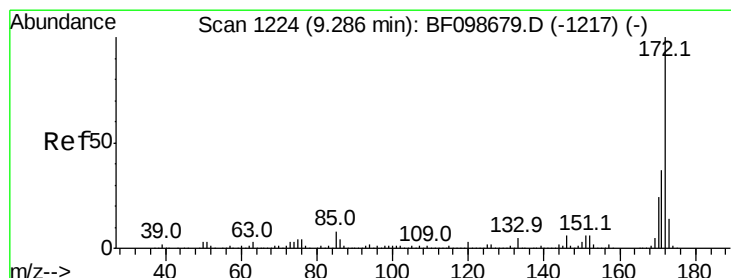
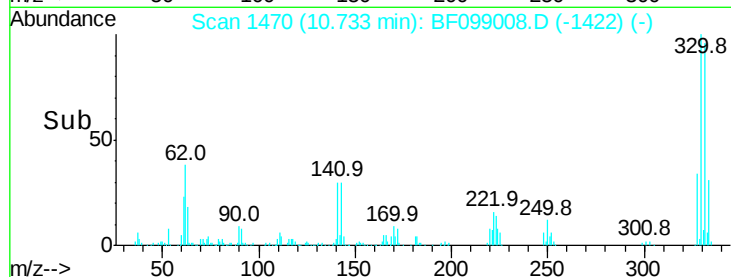
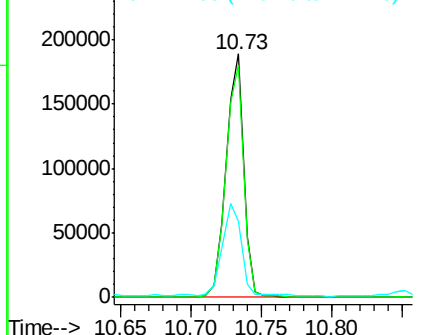
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	41.1	29.9	44.9

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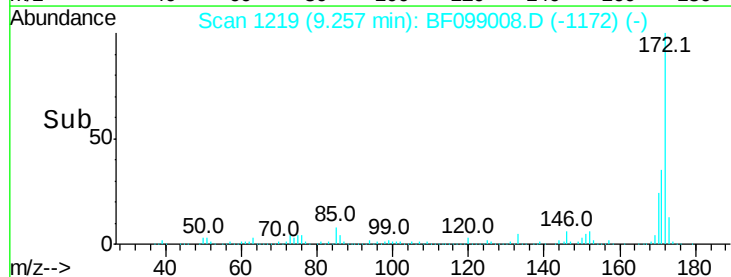
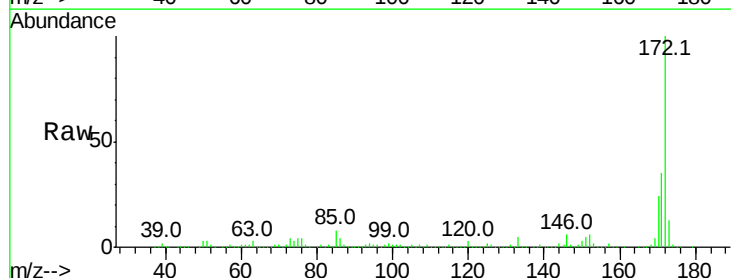
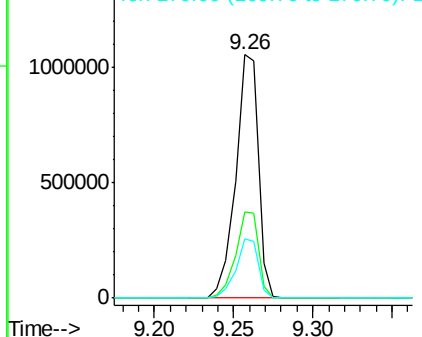
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

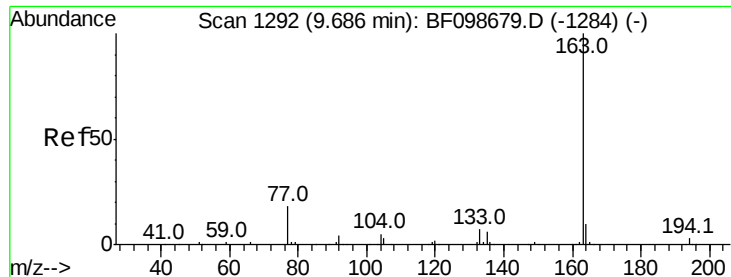


#44
 2-Fluorobiphenyl
 Concen: 85.642 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.02 min
 Lab File: BF099008.D
 Acq: 2 Oct 2017 19:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	24.1	19.6	29.4

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





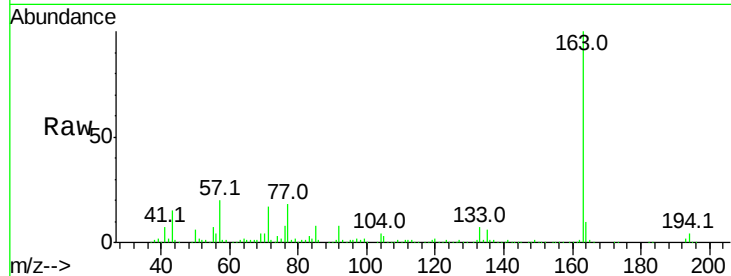
#49
Dimethylphthalate
Concen: 14.398 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.03 min
Lab File: BF099008.D
Acq: 2 Oct 2017 19:11

Instrument :
BNA_F
ClientSampleId :
G-64-1.5-3

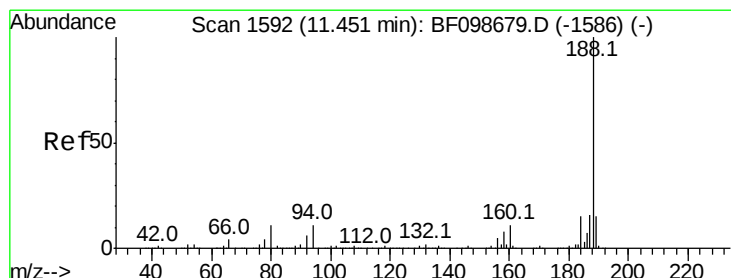
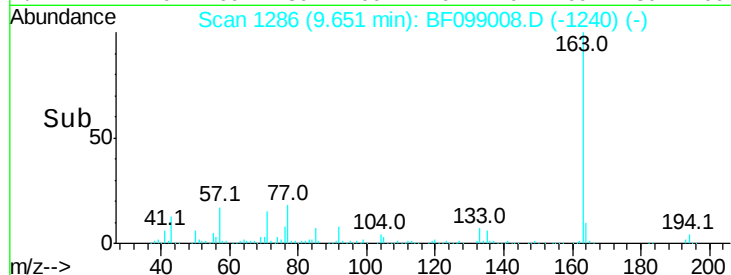
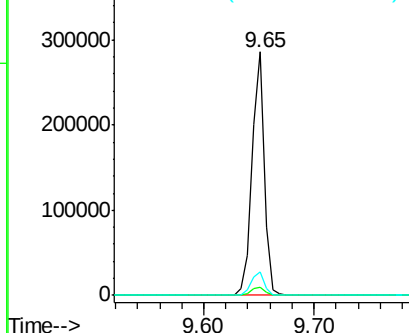
Tot Ion	Ratio	Resp	Lower	Upper
163	100	222369		
194	3.6		2.7	4.1
164	9.7		8.2	12.2

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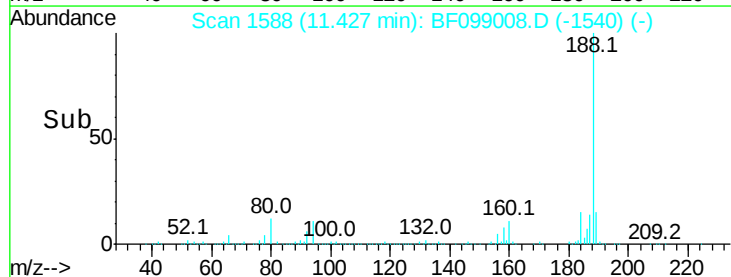
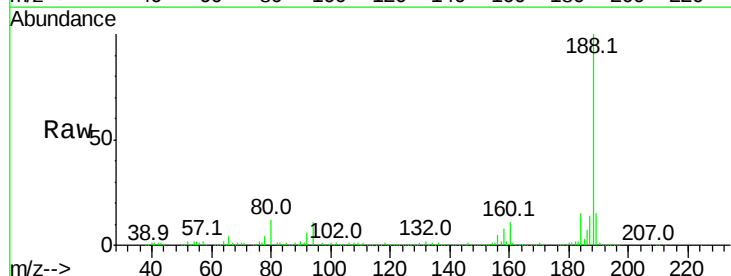
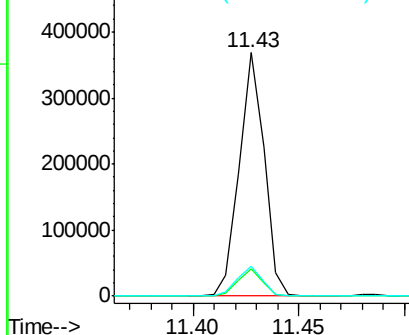
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

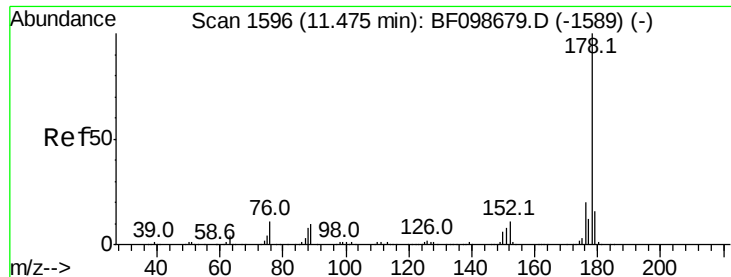


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.02 min
Lab File: BF099008.D
Acq: 2 Oct 2017 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	301152		
94	11.4		8.5	12.7
80	12.1		9.2	13.8

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





#70

Phenanthrene

Concen: 8.008 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.02 min

Lab File: BF099008.D

Acq: 2 Oct 2017 19:11

Instrument :

BNA_F

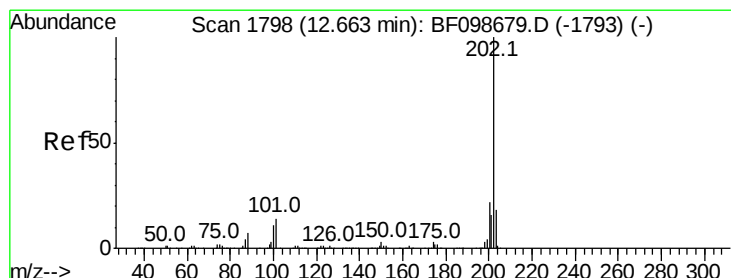
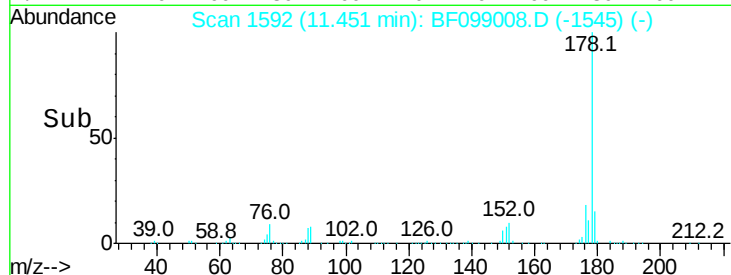
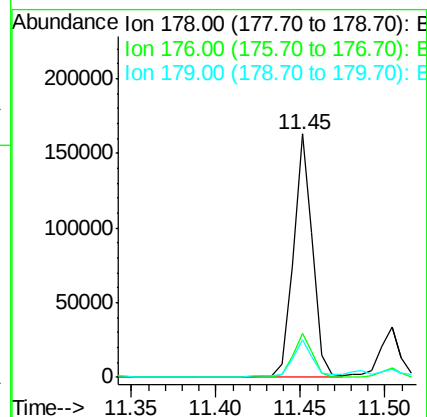
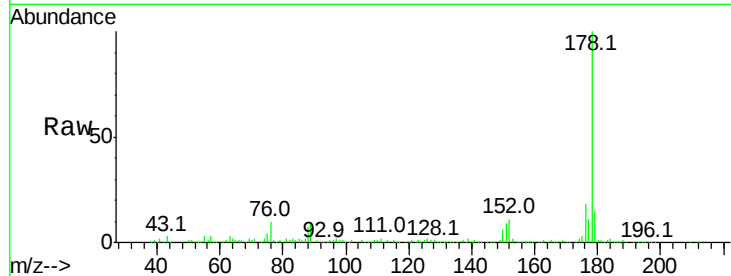
ClientSampled :

G-64-1.5-3

Tot Ion:	178	Resp:	129087
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.8	23.8
179	15.5	13.0	19.6

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#74

Fluoranthene

Concen: 5.691 ng

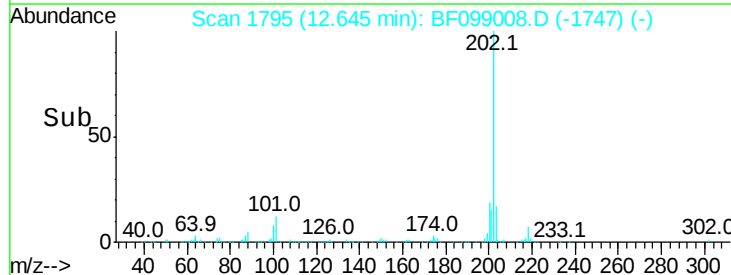
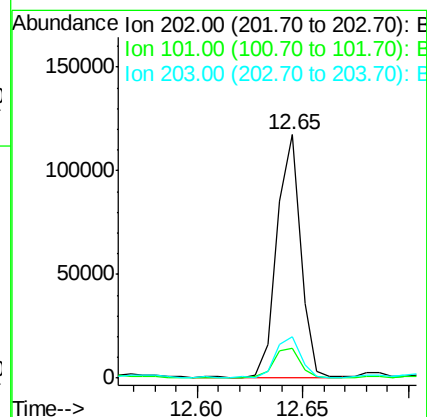
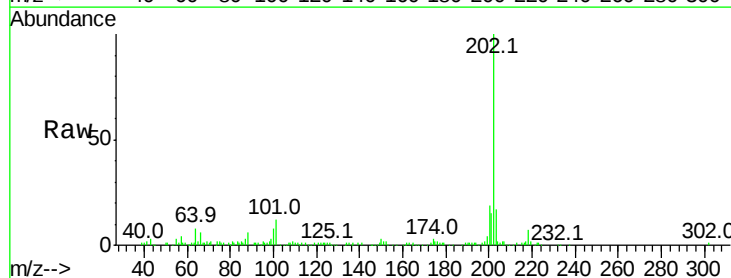
RT: 12.65 min Scan# 1795

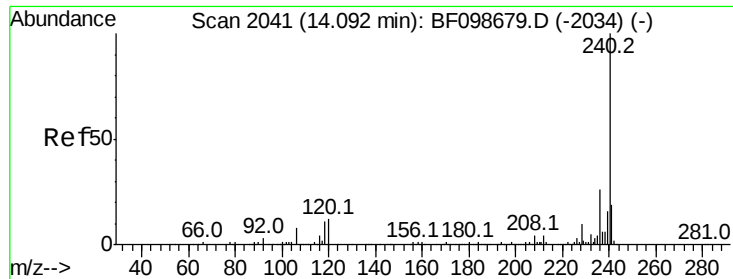
Delta R.T. -0.02 min

Lab File: BF099008.D

Acq: 2 Oct 2017 19:11

Tgt Ion:	202	Resp:	92891
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	34.1
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.02 min

Lab File: BF099008.D

Acq: 2 Oct 2017 19:11

Instrument :

BNA_F

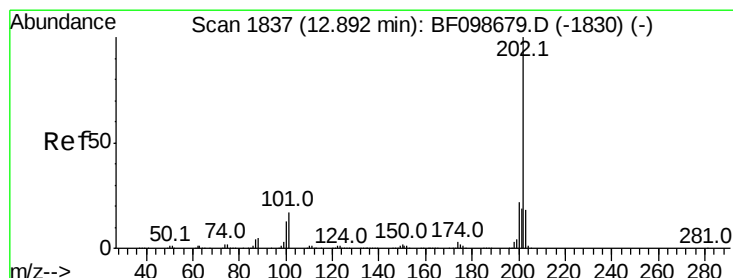
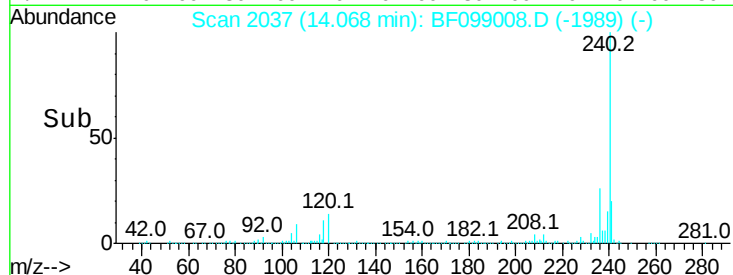
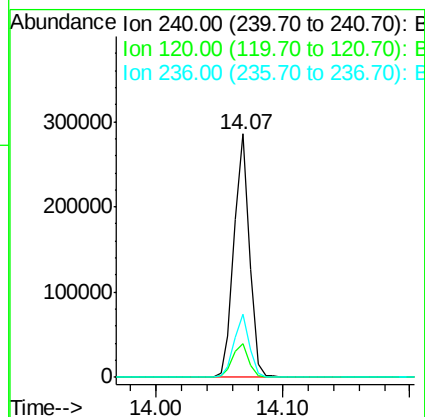
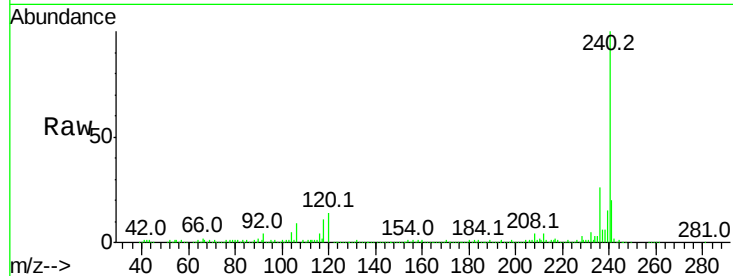
ClientSampleId :

G-64-1.5-3

Tot Ion:	240	Resp:	239288
Ion Ratio	Lower	Upper	
240	100		
120	13.8	9.5	14.3
236	25.7	20.7	31.1

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#77

Pyrene

Concen: 4.301 ng

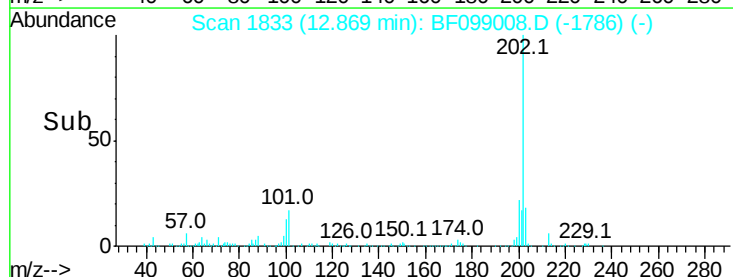
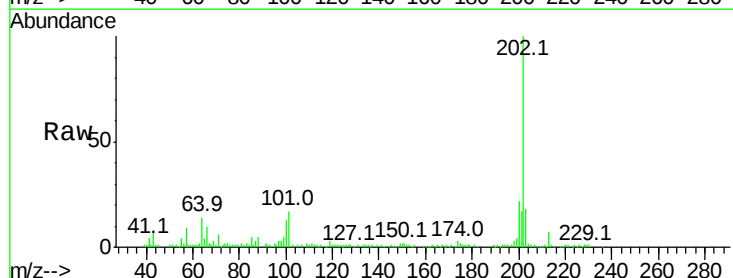
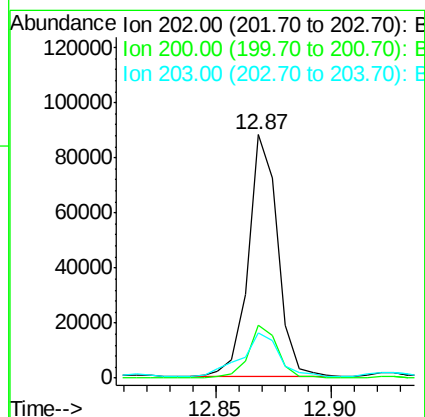
RT: 12.87 min Scan# 1833

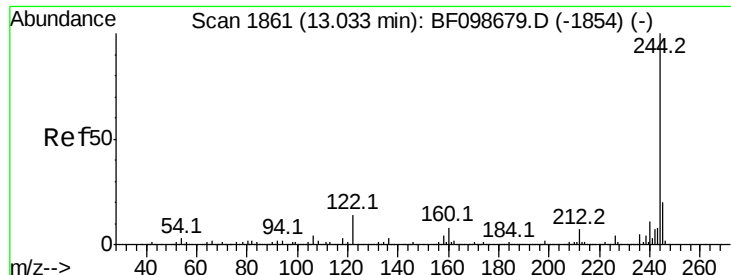
Delta R.T. -0.02 min

Lab File: BF099008.D

Acq: 2 Oct 2017 19:11

Tgt Ion:	202	Resp:	78474
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	18.3	14.3	21.5





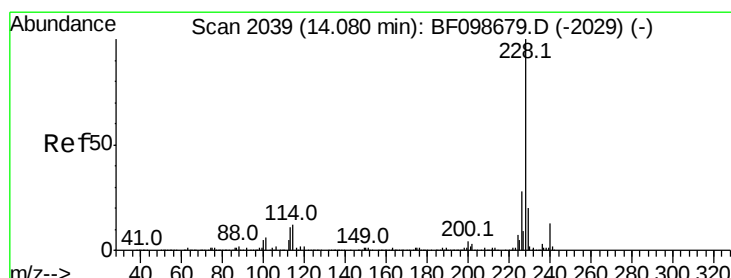
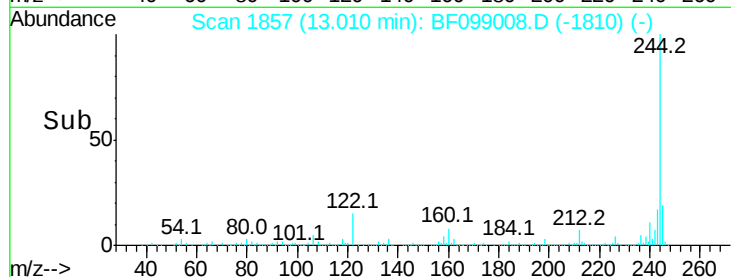
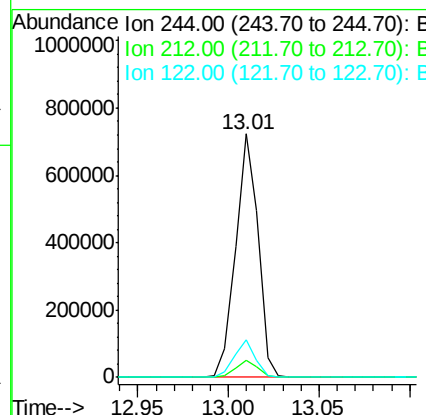
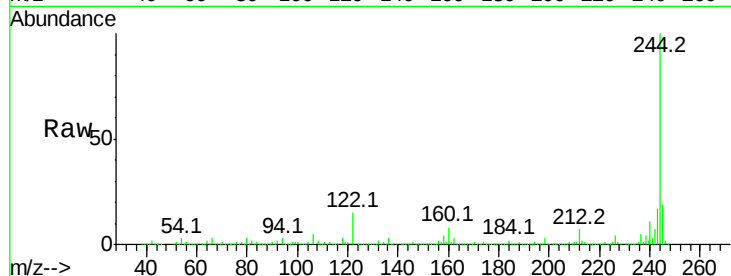
#78
 Terphenyl-d14
 Concen: 59.255 ng
 RT: 13.01 min Scan# 1857
 Delta R.T. -0.02 min
 Lab File: BF099008.D
 Acq: 2 Oct 2017 19:11

Instrument :
 BNA_F
 ClientSampled :
 G-64-1.5-3

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	15.4	11.0	16.4

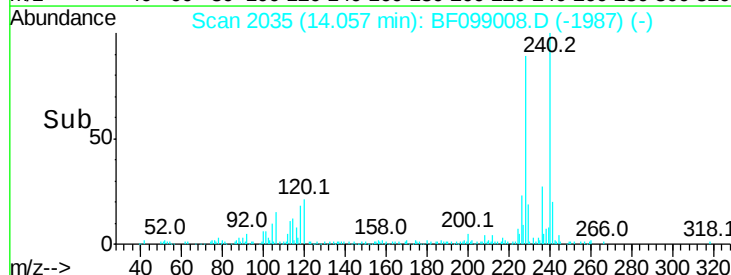
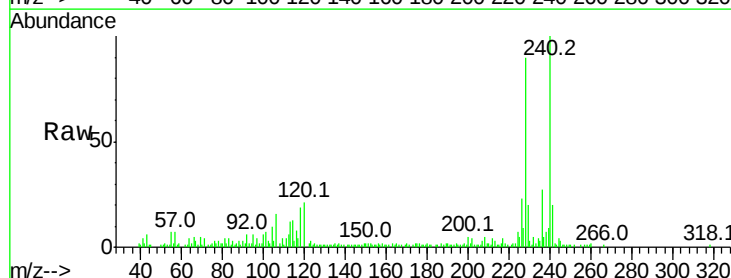
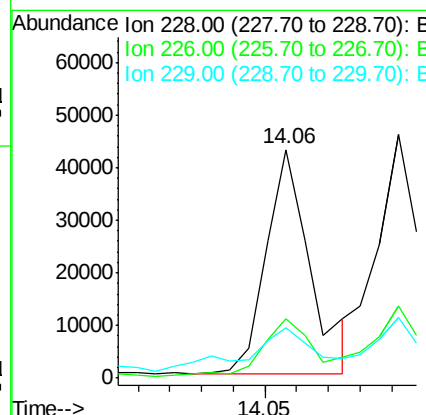
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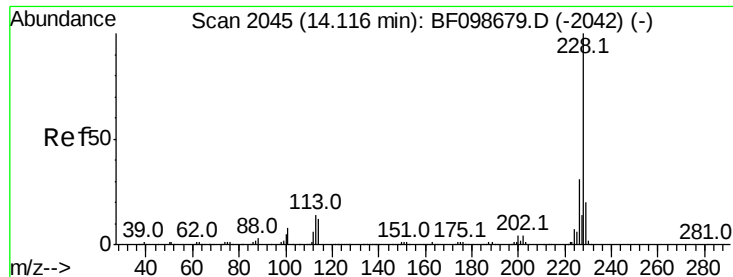
Sohil
 10/3/2017 6:50:48 PM



#80
 Benzo(a)anthracene
 Concen: 2.841 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.02 min
 Lab File: BF099008.D
 Acq: 2 Oct 2017 19:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.0	22.6	33.8
229	22.3	15.8	23.6





#82

Chrysene

Concen: 3.041 ng/mL

RT: 14.09 min Scan# 2041

Delta R.T. -0.02 min

Lab File: BF099008.D

Acq: 2 Oct 2017 19:11

Instrument :

BNA_F

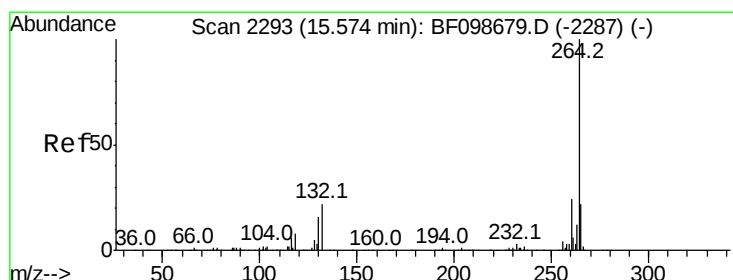
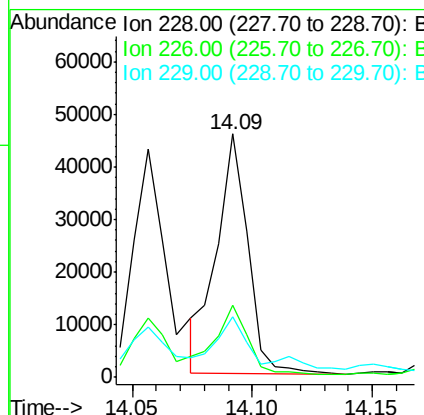
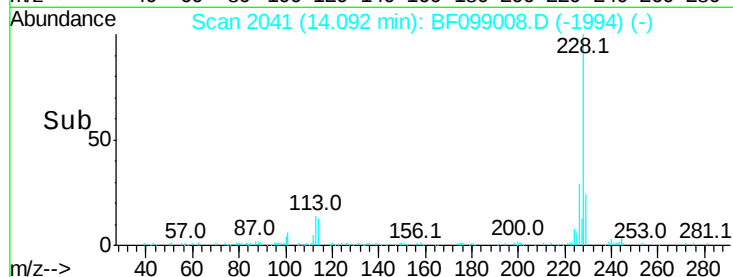
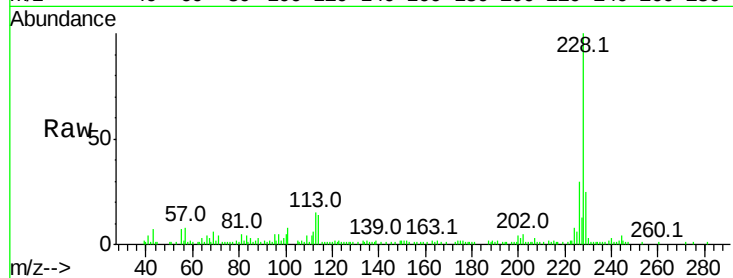
ClientSampleID :

G-64-1.5-3

Tot Ion:	228	Resp:	41954
Ion Ratio	Lower	Upper	
228	100		
226	29.7	25.0	37.6
229	24.8	16.2	24.4

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#86

Perylene-d12

Concen: 20.000 ng/mL

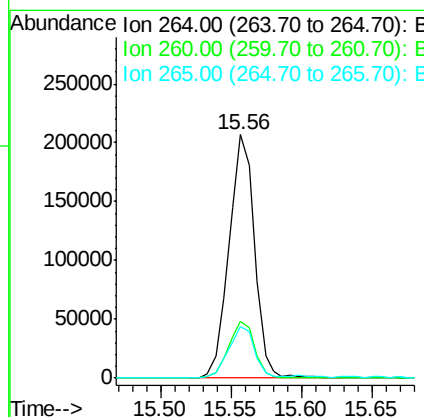
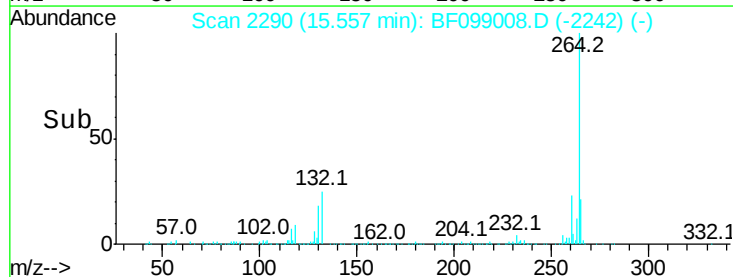
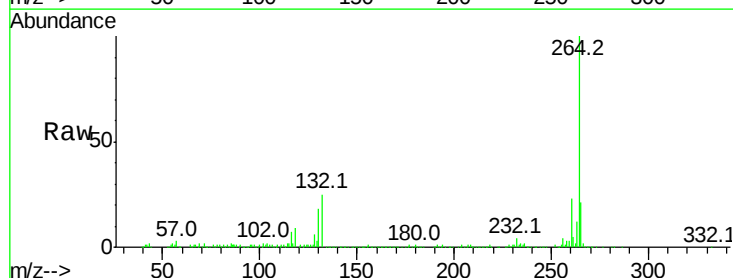
RT: 15.56 min Scan# 2290

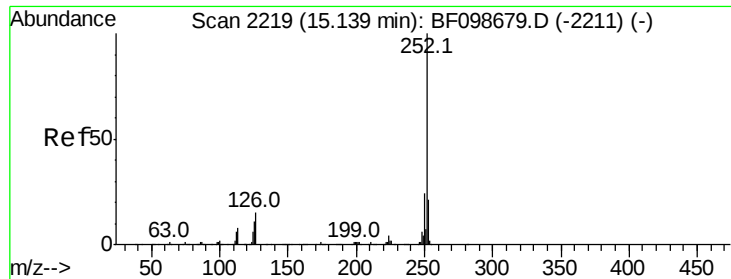
Delta R.T. -0.02 min

Lab File: BF099008.D

Acq: 2 Oct 2017 19:11

Tgt Ion:	264	Resp:	260693
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.2	28.8
265	21.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 2.715 ng

RT: 15.12 min Scan# 2215

Delta R.T. -0.02 min

Lab File: BF099008.D

Acq: 2 Oct 2017 19:11

Instrument :

BNA_F

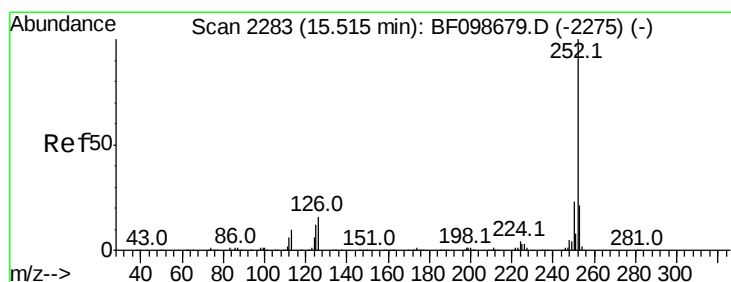
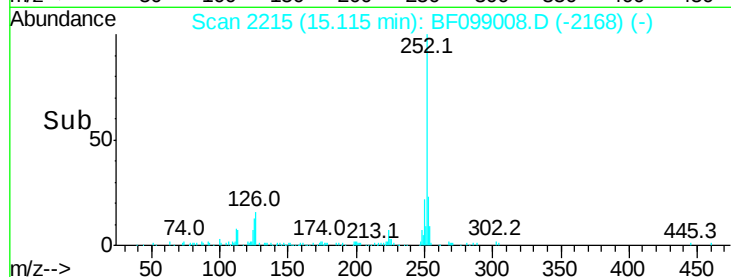
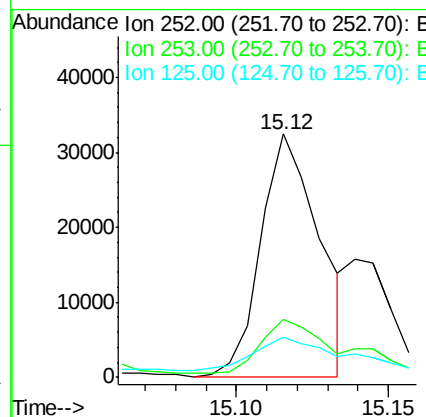
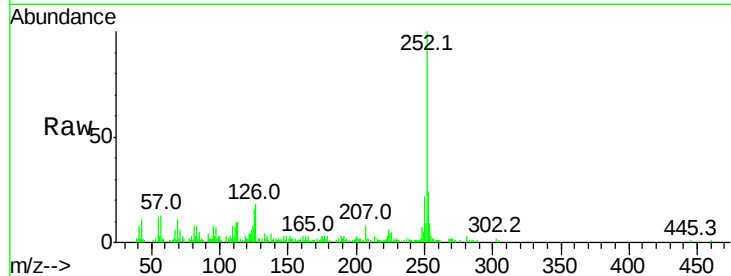
ClientSampled :

G-64-1.5-3

Tot Ion:	252	Resp:	43510
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.0	25.6
125	16.4	9.0	13.6#

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 2.099 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.02 min

Lab File: BF099008.D

Acq: 2 Oct 2017 19:11

Tgt Ion:	252	Resp:	30877
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.1	25.7
125	16.4	9.8	14.6#

