

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
 Data File : BF099015.D
 Acq On : 2 Oct 2017 22:24
 Operator : SJ/JU
 Sample : I5532-07 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-65-1-2

Manual Integrations
 APPROVED

Sohil
 10/3/2017 6:51:01 PM

Quant Time: Oct 03 04:13:56 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	127670	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	466836	20.00	ng	-0.02
38) Acenaphthene-d10	9.95	164	177745	20.00	ng	-0.02
63) Phenanthrene-d10	11.43	188	270590	20.00	ng	-0.02
75) Chrysene-d12	14.07	240	251098	20.00	ng	-0.01
86) Perylene-d12	15.57	264	234396	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	337919	42.13	ng	-0.02
7) Phenol-d6	6.53	99	469558	47.46	ng	-0.02
23) Nitrobenzene-d5	7.46	82	279950	38.46	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	4952	3.40	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	495974	46.58	ng	-0.02
78) Terphenyl-d14	13.01	244	353840	32.05	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.20	128	119517	5.451	ng	99
37) 2-Methylnaphthalene	8.90	142	68294	4.791	ng	97
48) Acenaphthylene	9.80	152	70828	4.034	ng	100
49) Dimethylphthalate	9.65	163	84305	6.284	ng	99
54) Dibenzofuran	10.15	168	53686	3.625	ng	98
70) Phenanthrene	11.46	178	326301	22.528	ng	98
71) Anthracene	11.50	178	114402	7.720	ng	97
72) Carbazole	11.66	167	41870	2.885	ng	98
74) Fluoranthene	12.64	202	495291	33.770	ng	99
77) Pyrene	12.87	202	447410	23.367	ng	99
80) Benzo(a)anthracene	14.06	228	284826	18.733	ng	95
82) Chrysene	14.10	228	293542	20.279	ng	97
85) Indeno(1,2,3-cd)pyrene	17.08	276	124310	10.735	ng	98
87) Benzo(b)fluoranthene	15.13	252	482861m	33.505	ng	
88) Benzo(k)fluoranthene	15.16	252	115587m	8.120	ng	
89) Benzo(a)pyrene	15.50	252	202294	15.292	ng	# 93
90) Dibenzo(a,h)anthracene	17.09	278	33015	3.118	ng	# 77
91) Benzo(g,h,i)perylene	17.54	276	99810	9.537	ng	94

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

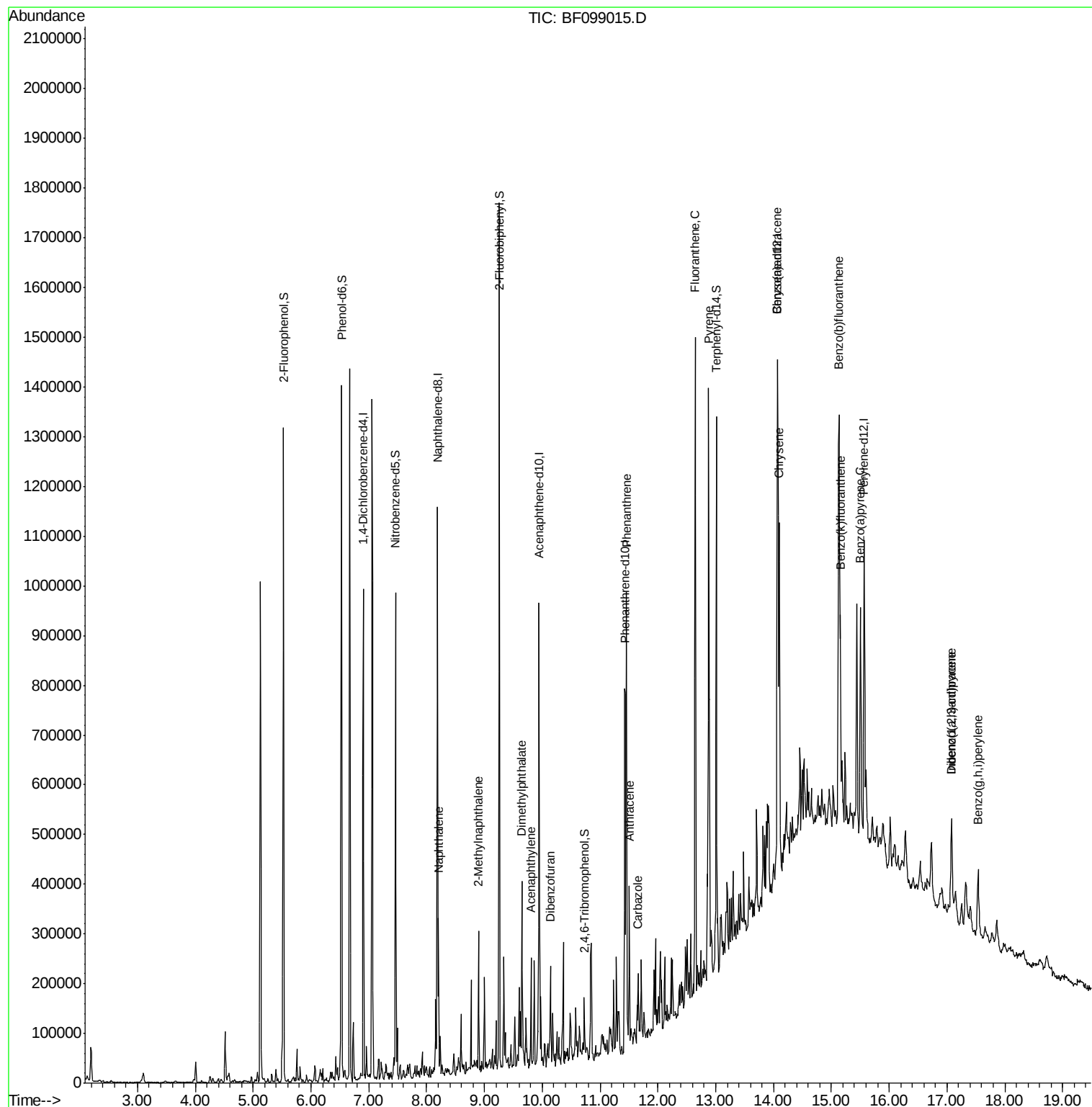
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
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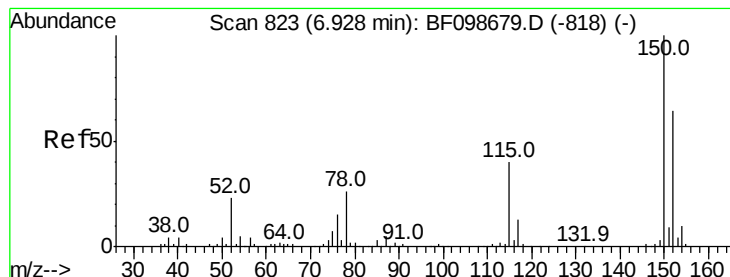
Instrument :
BNA_F
ClientSampled :
G-65-1-2

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#1

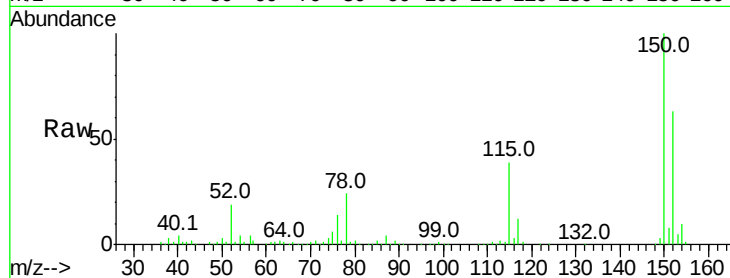
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF099015.D
Acq: 2 Oct 2017 22:24

Instrument :
BNA_F
ClientSampleId :
G-65-1-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	61.3	50.1	75.1

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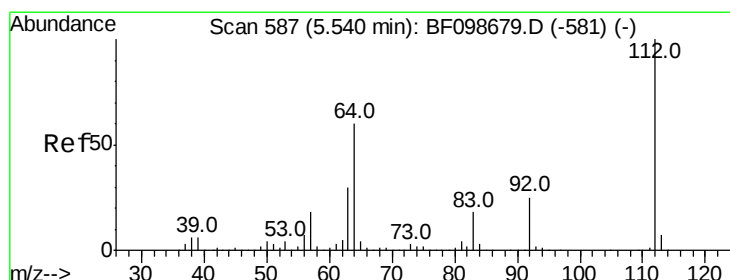
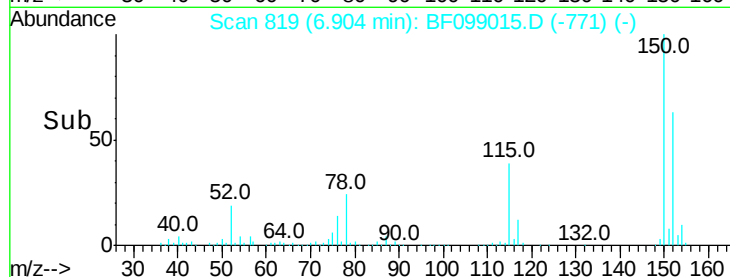
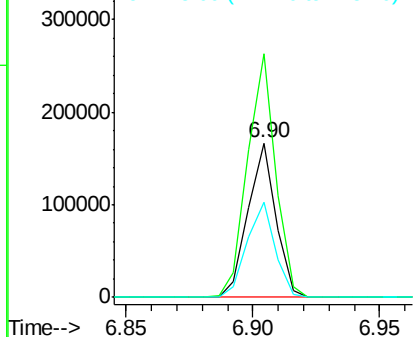


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

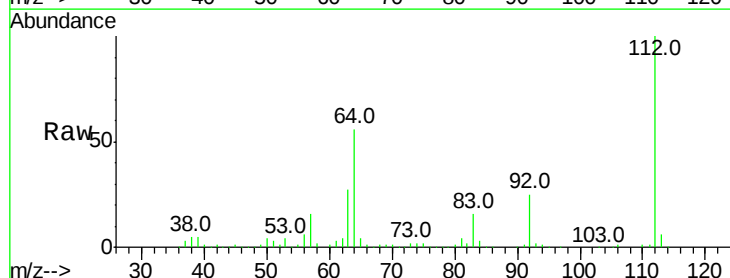
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 42.135 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF099015.D
Acq: 2 Oct 2017 22:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	47.9	71.9
63	27.5	23.7	35.5

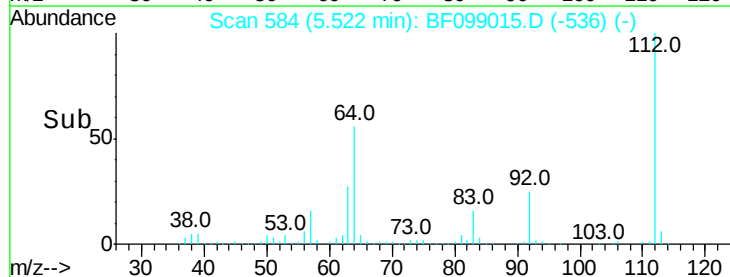
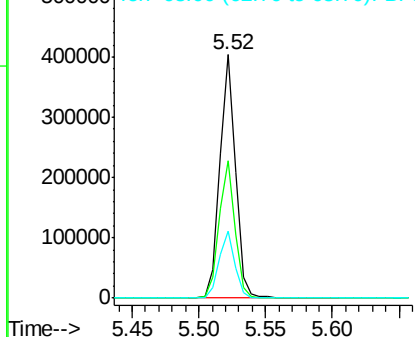


Abundance

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: 47.461 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF099015.D

Acq: 2 Oct 2017 22:24

Instrument :

BNA_F

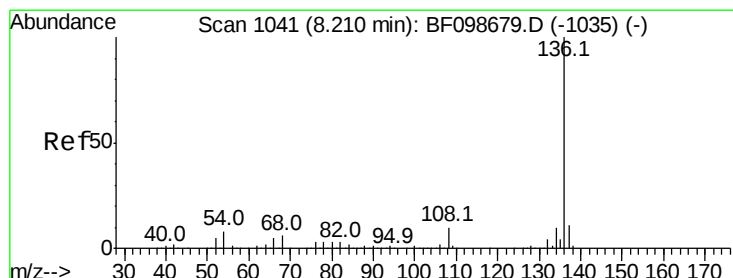
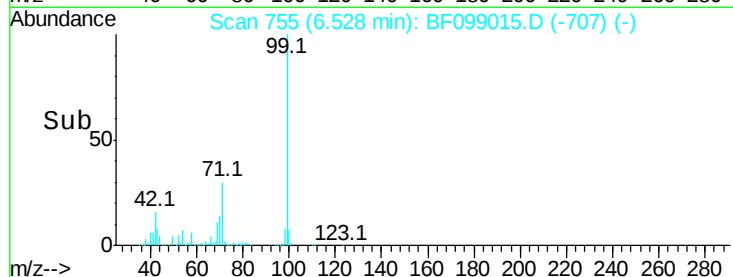
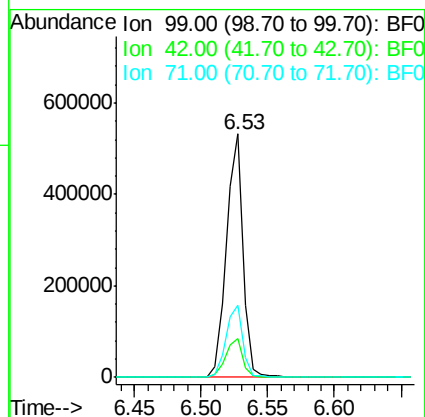
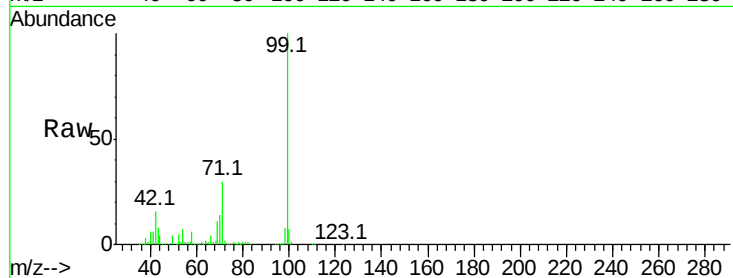
ClientSampleId :

G-65-1-2

Tot Ion:	99	Resp:	469558
Ion Ratio	Lower	Upper	
99	100		
42	16.2	14.5	21.7
71	29.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

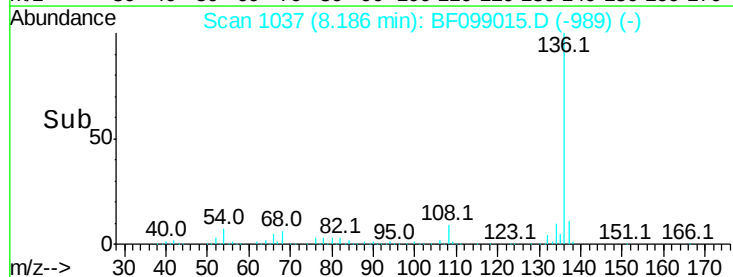
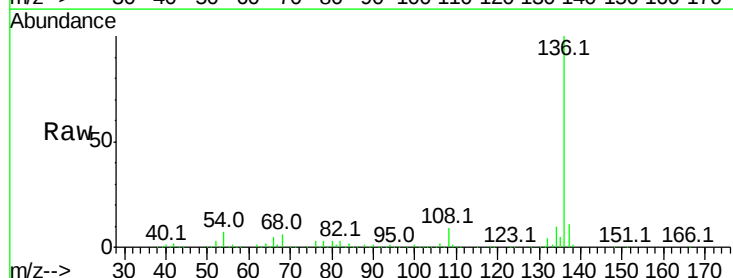
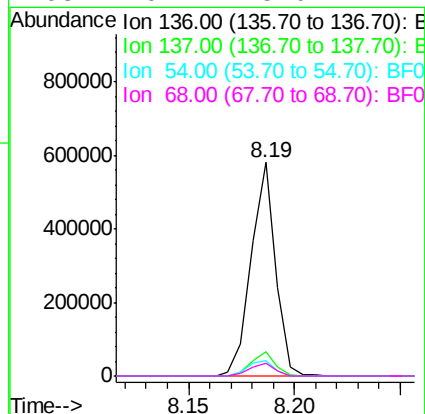
RT: 8.19 min Scan# 1037

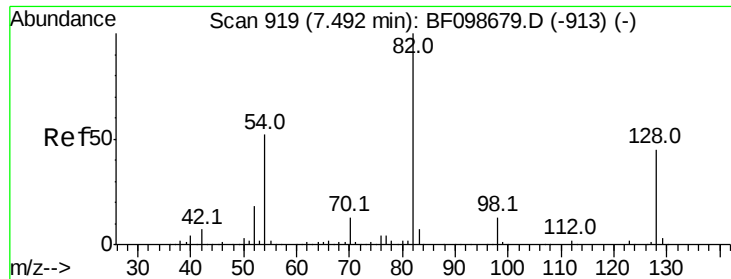
Delta R.T. -0.02 min

Lab File: BF099015.D

Acq: 2 Oct 2017 22:24

Tgt Ion:	136	Resp:	466836
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	7.4	6.6	9.8
68	6.1	5.0	7.4





#23

Nitrobenzene-d5

Concen: 38.457 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.02 min

Lab File: BF099015.D

Acq: 2 Oct 2017 22:24

Instrument :

BNA_F

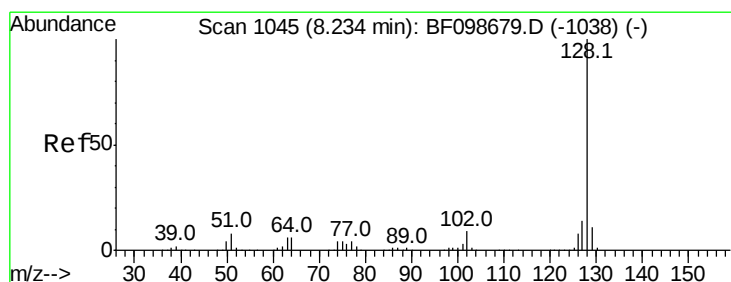
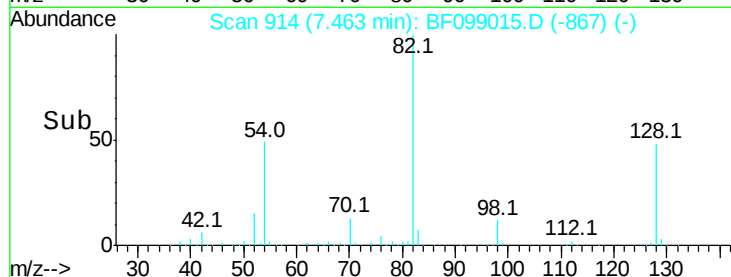
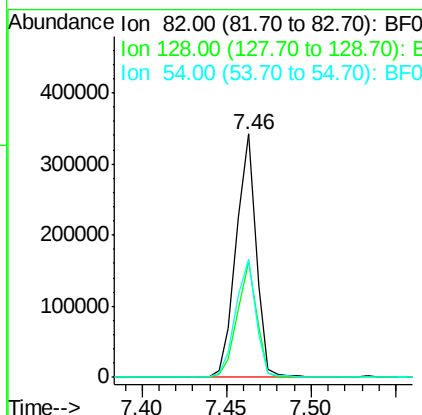
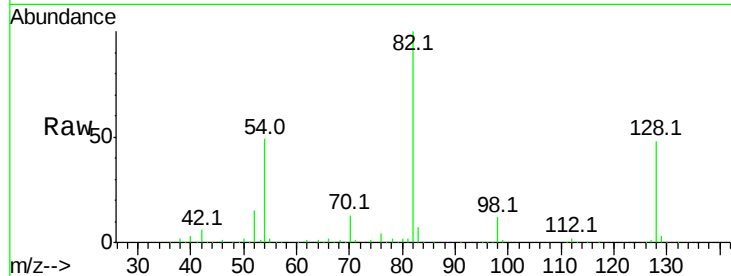
ClientSampled :

G-65-1-2

Tot Ion	82	Resp	279950
Ion Ratio	Lower	Upper	
82	100		
128	47.6	36.1	54.1
54	48.5	41.4	62.2

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#31

Naphthalene

Concen: 5.451 ng

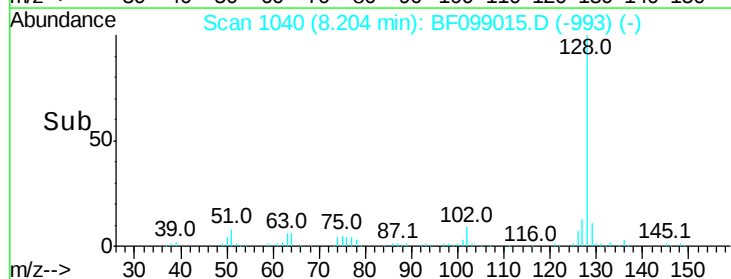
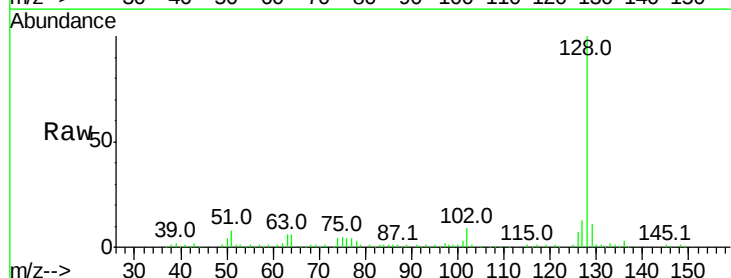
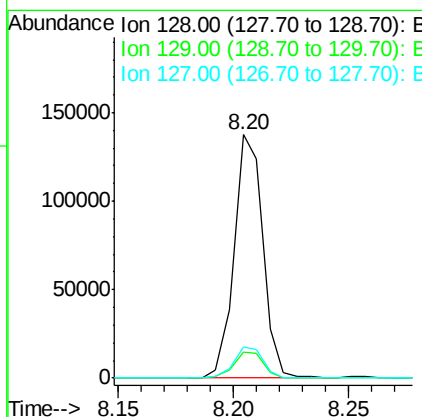
RT: 8.20 min Scan# 1040

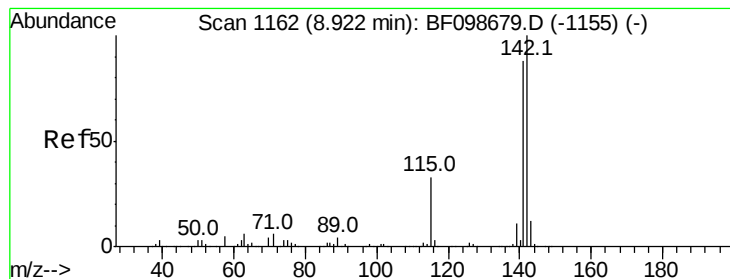
Delta R.T. -0.02 min

Lab File: BF099015.D

Acq: 2 Oct 2017 22:24

Tgt Ion	128	Resp	119517
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.8	13.2
127	13.0	10.9	16.3





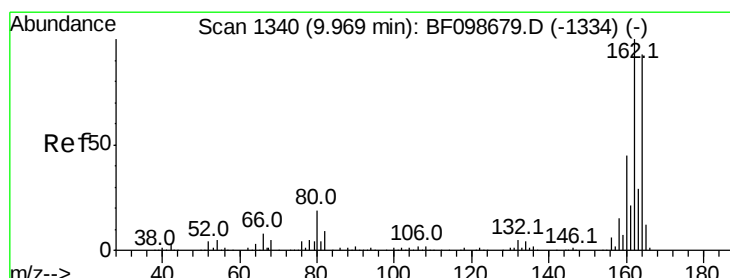
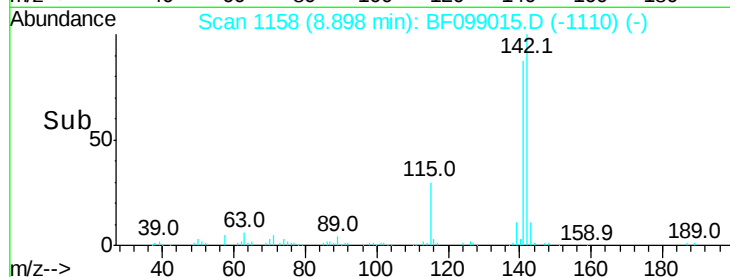
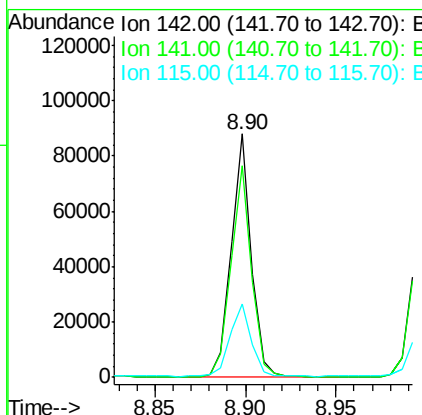
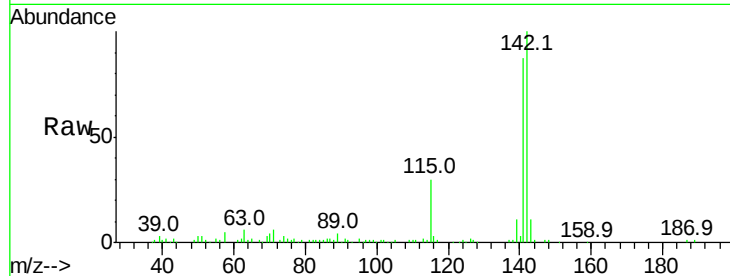
#37
 2-Methylnaphthalene
 Concen: 4.791 ng
 RT: 8.90 min Scan# 1158
 Delta R.T. -0.02 min
 Lab File: BF099015.D
 Acq: 2 Oct 2017 22:24

Instrument :
 BNA_F
 ClientSampleId :
 G-65-1-2

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.7	70.8	106.2
115	29.9	26.1	39.1

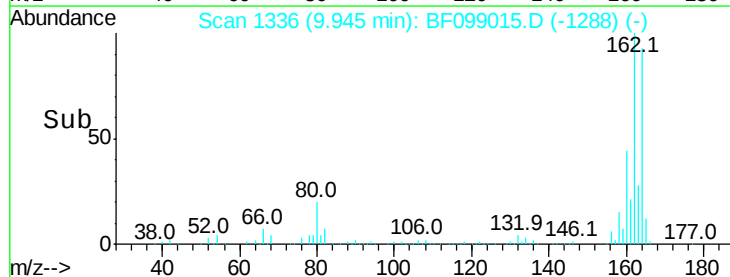
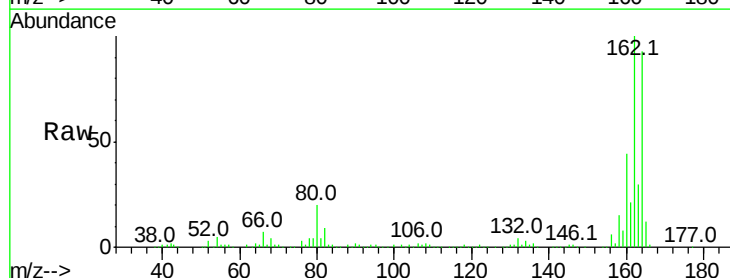
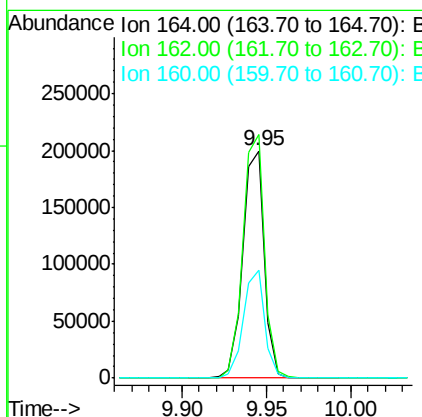
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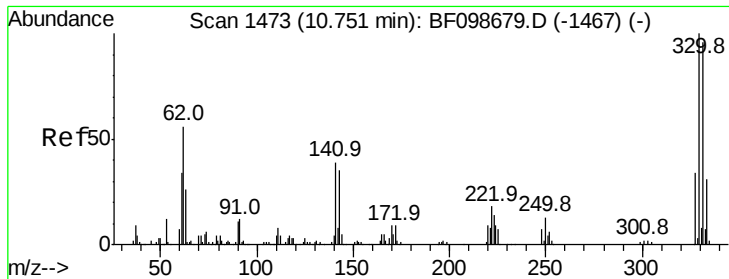
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.95 min Scan# 1336
 Delta R.T. -0.02 min
 Lab File: BF099015.D
 Acq: 2 Oct 2017 22:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.2	86.1	129.1
160	47.4	38.3	57.5





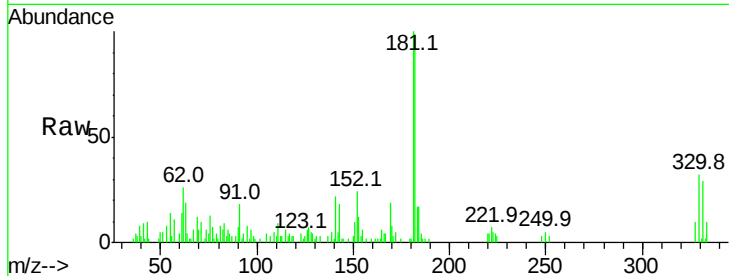
#41
 2,4,6-Tribromophenol
 Concen: 3.405 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.02 min
 Lab File: BF099015.D
 Acq: 2 Oct 2017 22:24

Instrument :
 BNA_F
 ClientSampleId :
 G-65-1-2

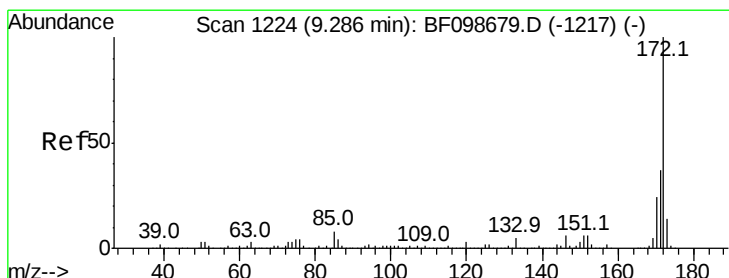
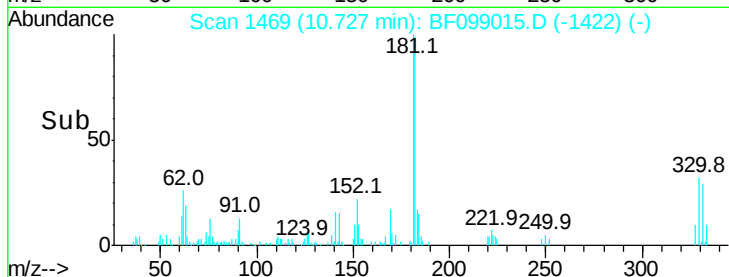
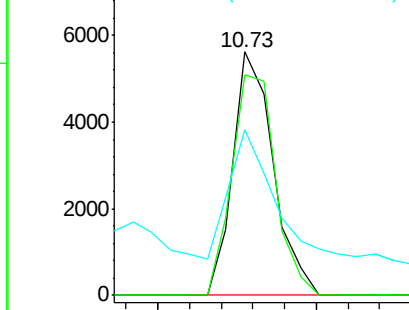
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.0	115.6
141	89.9	29.9	44.9#

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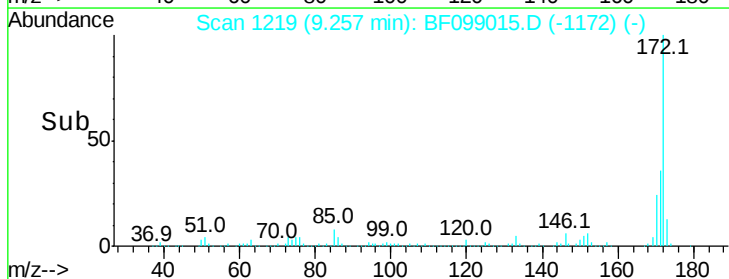
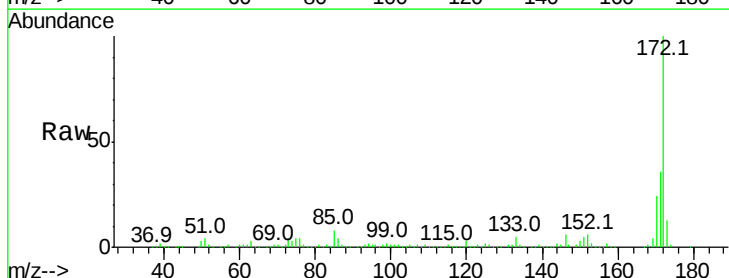
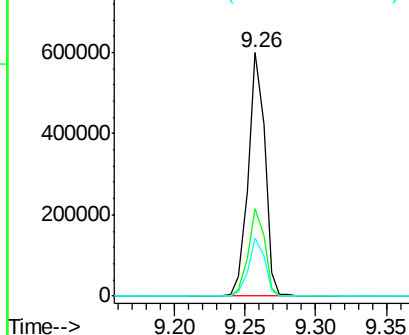
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

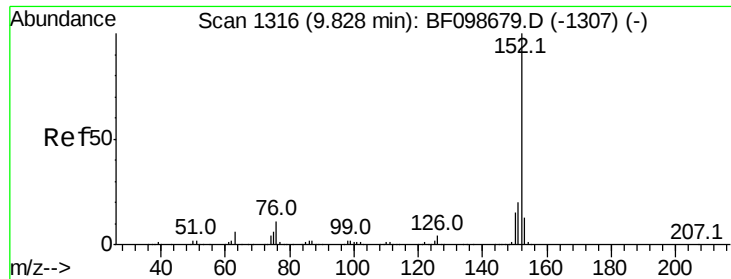


#44
 2-Fluorobiphenyl
 Concen: 46.583 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.02 min
 Lab File: BF099015.D
 Acq: 2 Oct 2017 22:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.6	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





#48

Acenaphthylene

Concen: 4.034 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF099015.D

Acq: 2 Oct 2017 22:24

Instrument :

BNA_F

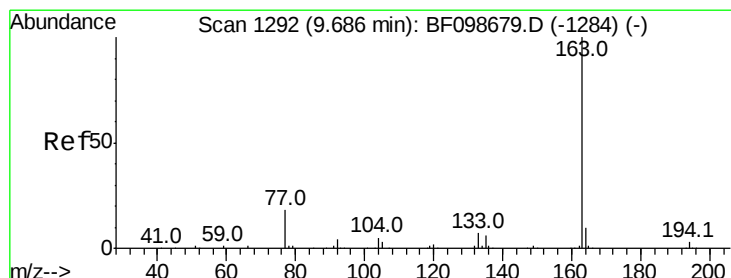
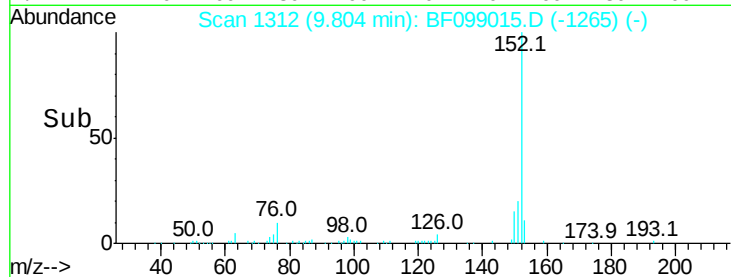
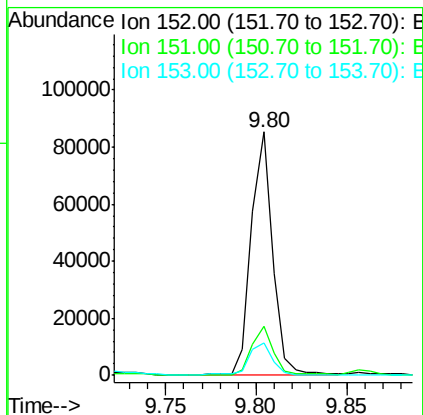
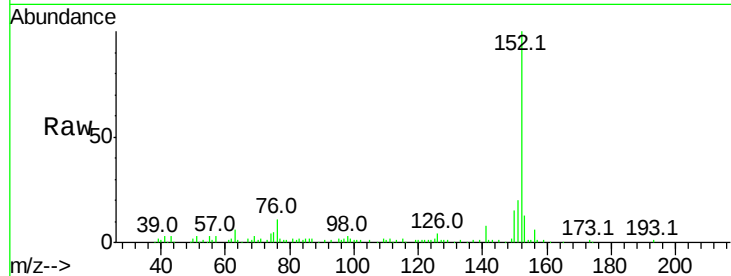
ClientSampled :

G-65-1-2

Tot Ion:	152	Resp:	70828
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.3	24.5
153	13.3	10.7	16.1

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#49

Dimethylphthalate

Concen: 6.284 ng

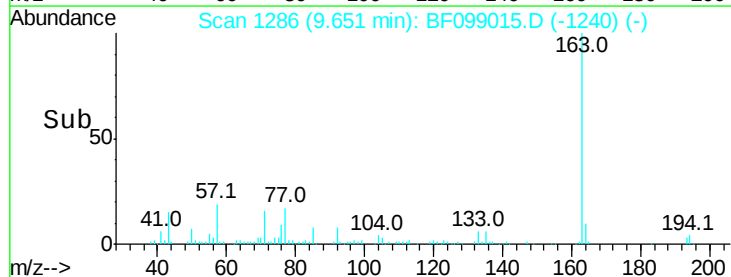
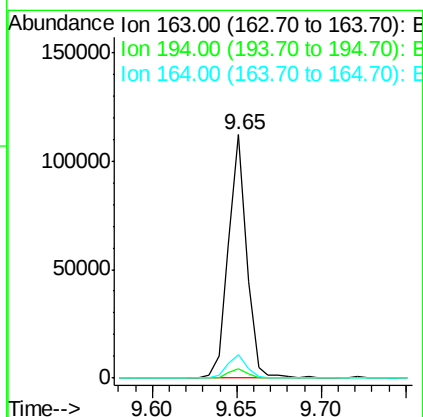
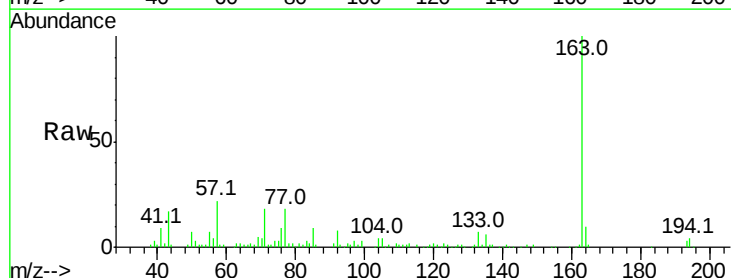
RT: 9.65 min Scan# 1286

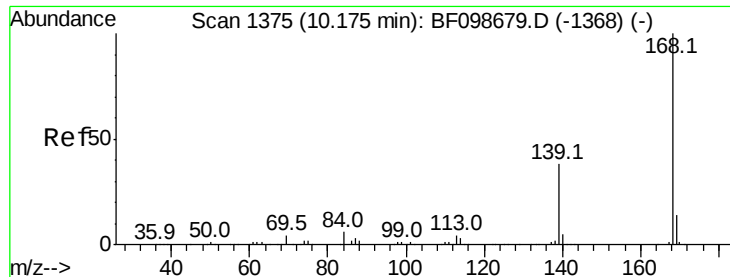
Delta R.T. -0.03 min

Lab File: BF099015.D

Acq: 2 Oct 2017 22:24

Tgt Ion:	163	Resp:	84305
Ion Ratio	Lower	Upper	
163	100		
194	4.0	2.7	4.1
164	9.8	8.2	12.2





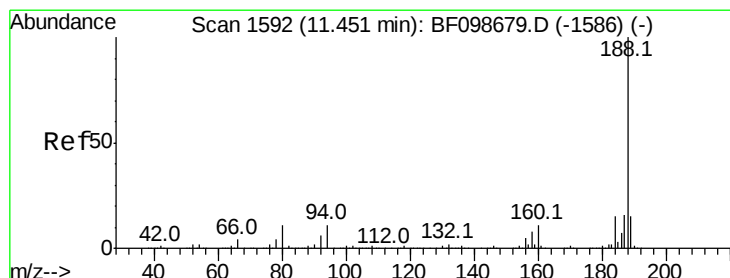
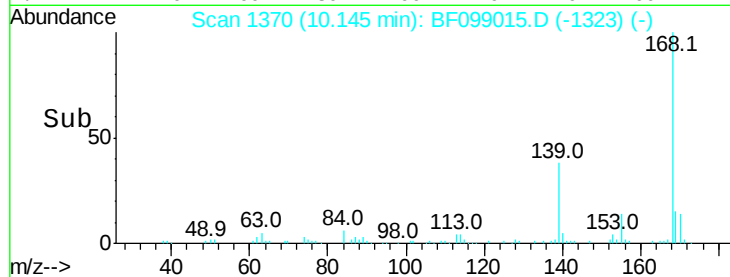
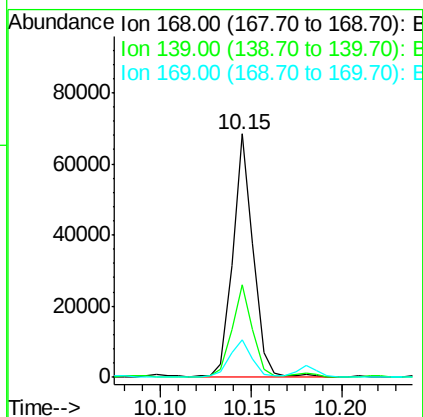
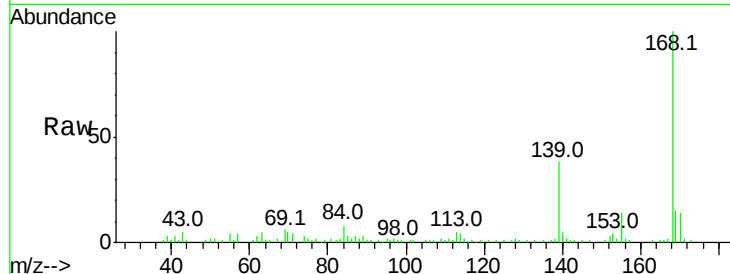
#54
Dibenzofuran
Concen: 3.625 ng
RT: 10.15 min Scan# 1370
Delta R.T. -0.02 min
Lab File: BF099015.D
Acq: 2 Oct 2017 22:24

Instrument :
BNA_F
ClientSampleId :
G-65-1-2

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.0	30.1	45.1
169	15.4	10.9	16.3

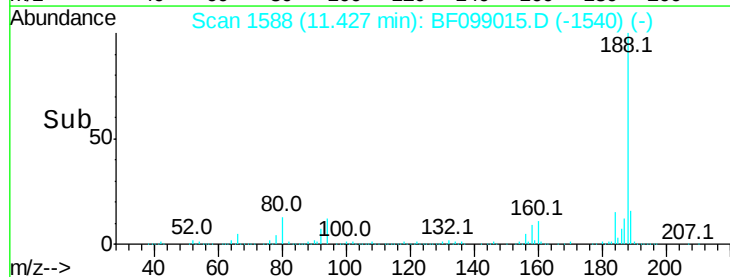
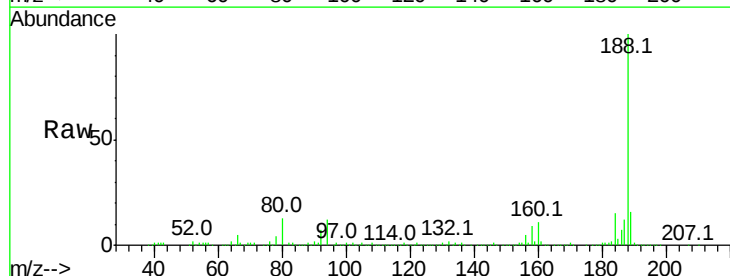
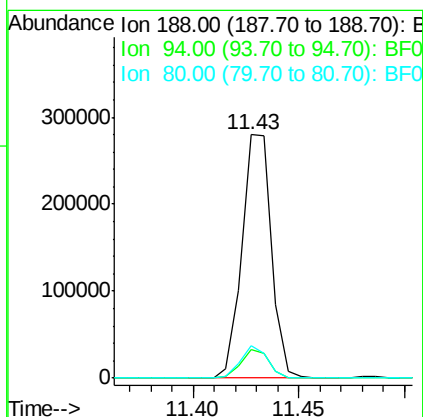
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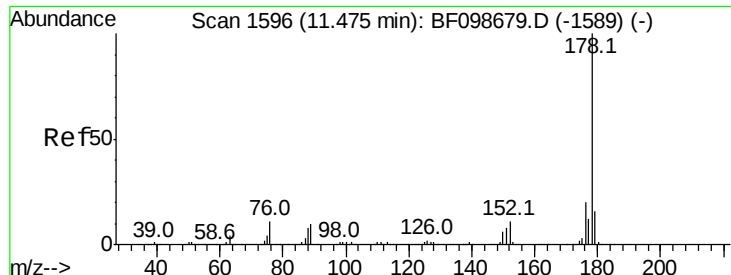
Sohil
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.02 min
Lab File: BF099015.D
Acq: 2 Oct 2017 22:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.8	8.5	12.7
80	13.2	9.2	13.8





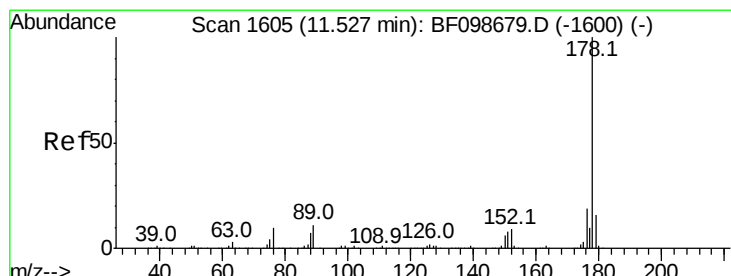
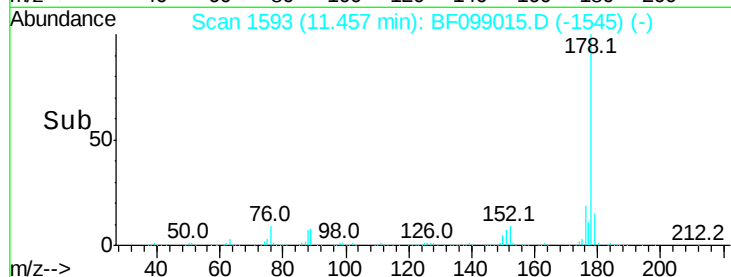
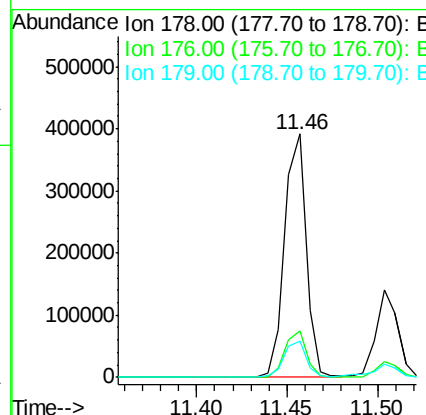
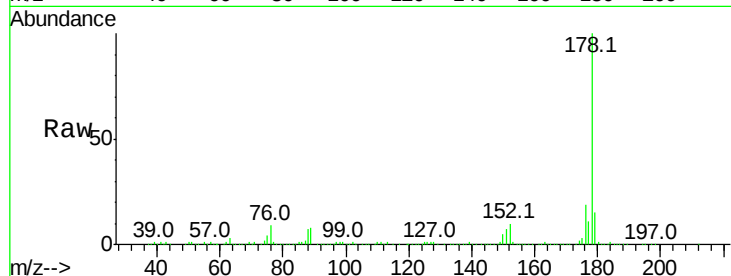
#70
Phenanthrene
Concen: 22.528 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.02 min
Lab File: BF099015.D
Acq: 2 Oct 2017 22:24

Instrument :
BNA_F
ClientSampled :
G-65-1-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	14.8	13.0	19.6

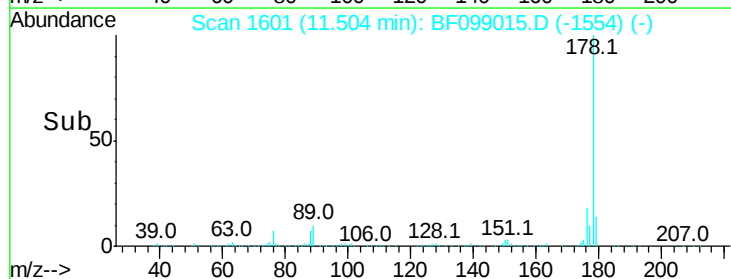
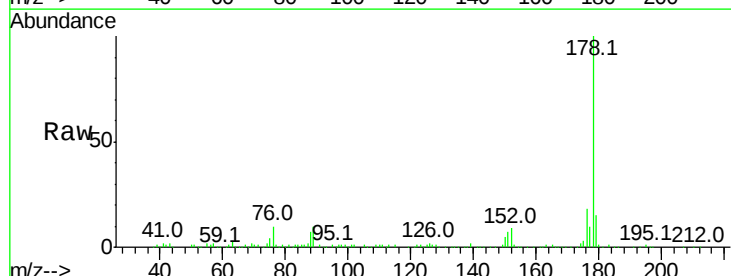
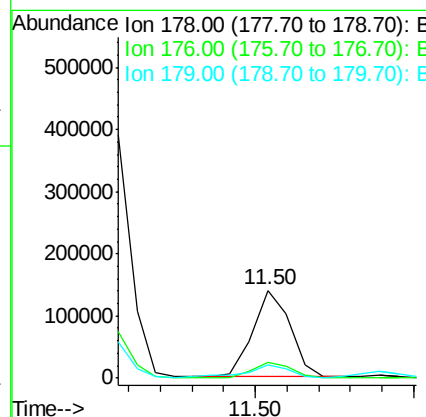
Manual Integrations
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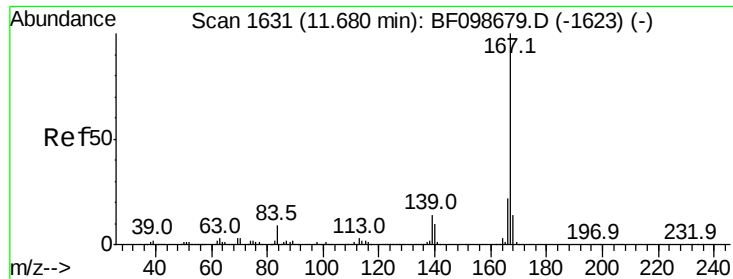
Sohil
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#71
Anthracene
Concen: 7.720 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.02 min
Lab File: BF099015.D
Acq: 2 Oct 2017 22:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	14.9	12.6	19.0





#72

Carbazole

Concen: 2.885 ng

RT: 11.66 min Scan# 1627

Delta R.T. -0.02 min

Lab File: BF099015.D

Acq: 2 Oct 2017 22:24

Instrument :

BNA_F

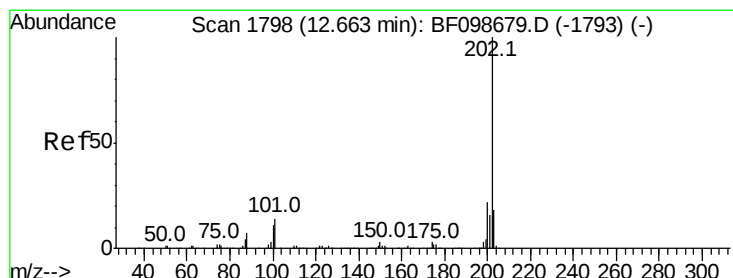
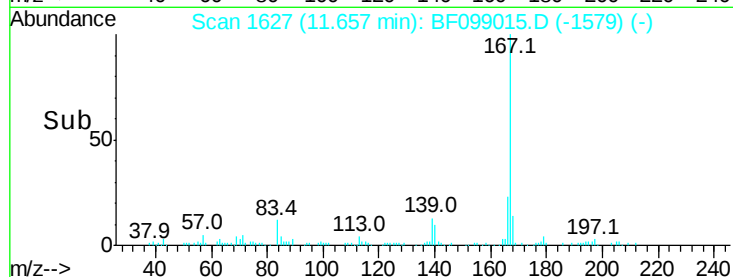
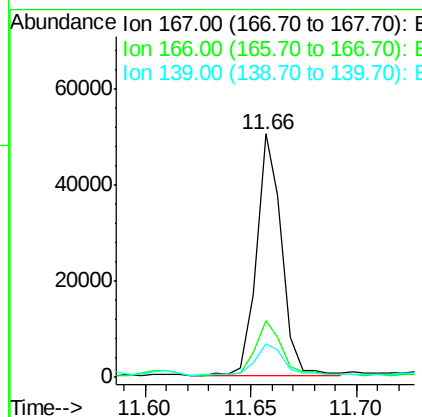
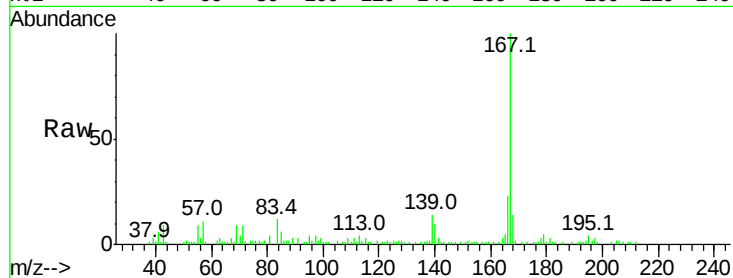
ClientSampleId :

G-65-1-2

Tot Ion:	167	Resp:	41870
Ion Ratio	Lower	Upper	
167	100		
166	23.2	17.6	26.4
139	14.0	10.9	16.3

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#74

Fluoranthene

Concen: 33.770 ng

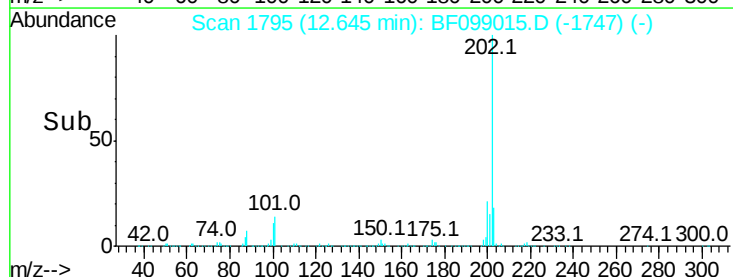
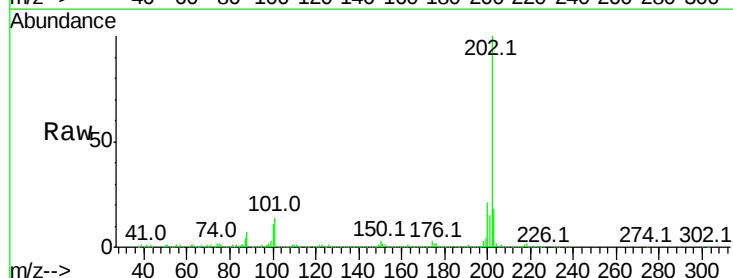
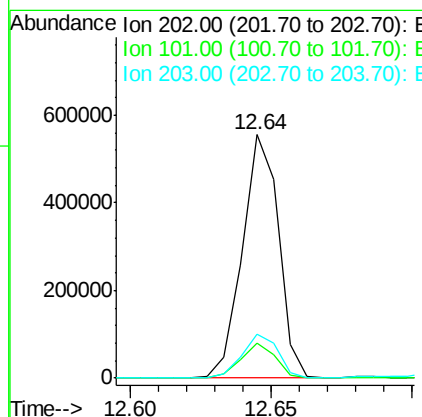
RT: 12.64 min Scan# 1795

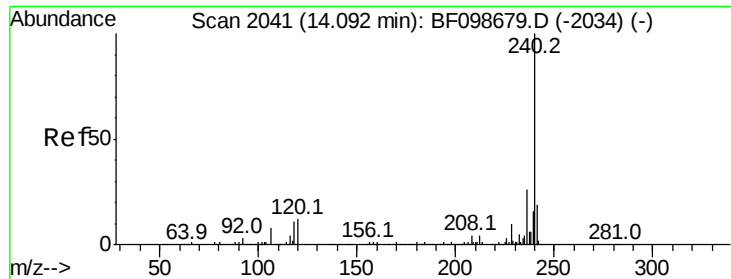
Delta R.T. -0.02 min

Lab File: BF099015.D

Acq: 2 Oct 2017 22:24

Tgt Ion:	202	Resp:	495291
Ion Ratio	Lower	Upper	
202	100		
101	14.4	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF099015.D

Acq: 2 Oct 2017 22:24

Instrument :

BNA_F

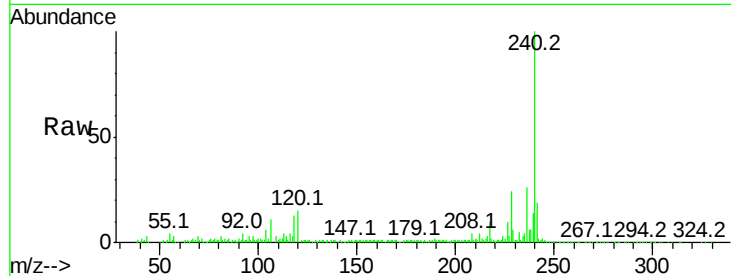
ClientSampleId :

G-65-1-2

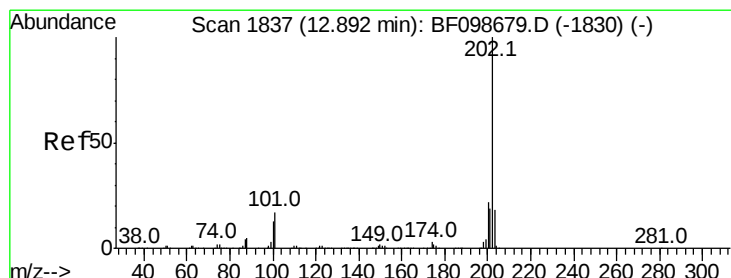
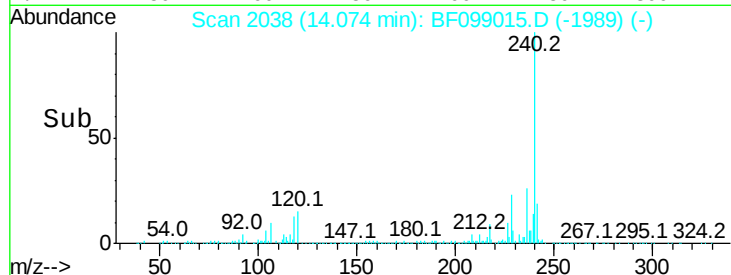
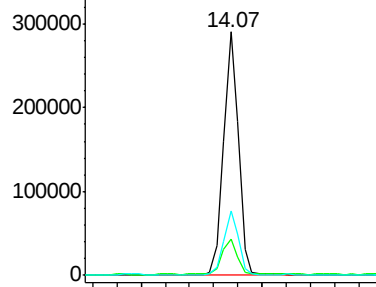
Tot Ion:	240	Resp:	251098
Ion Ratio	Lower	Upper	
240	100		
120	15.0	9.5	14.3#
236	26.2	20.7	31.1

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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: 23.367 ng

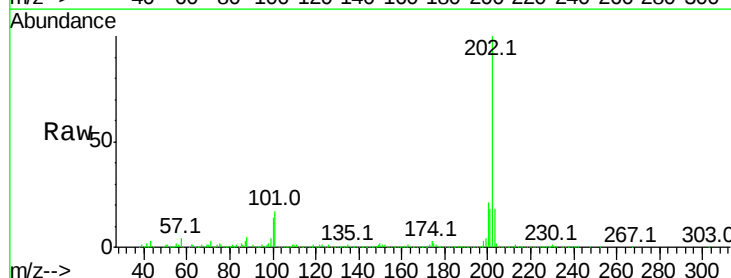
RT: 12.87 min Scan# 1834

Delta R.T. -0.02 min

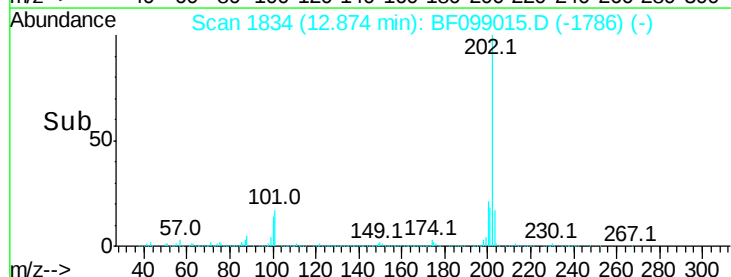
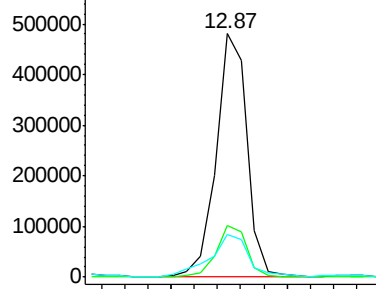
Lab File: BF099015.D

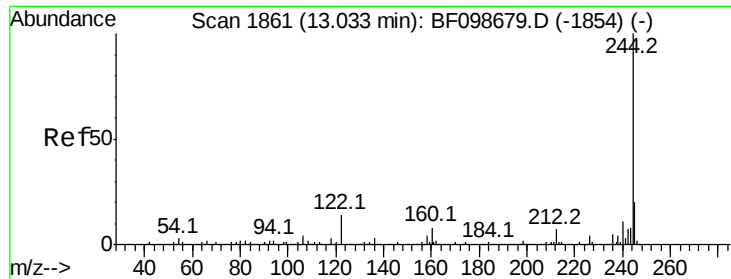
Acq: 2 Oct 2017 22:24

Tgt Ion:	202	Resp:	447410
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	17.6	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: 32.047 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.02 min

Lab File: BF099015.D

Acq: 2 Oct 2017 22:24

Instrument :

BNA_F

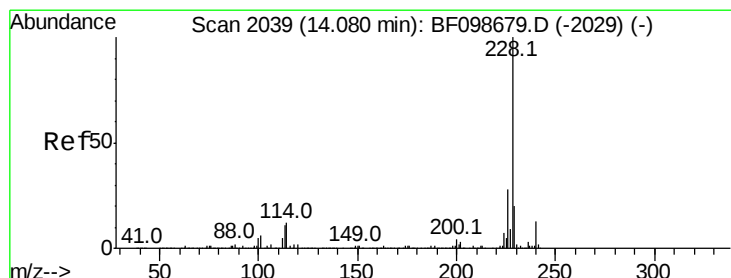
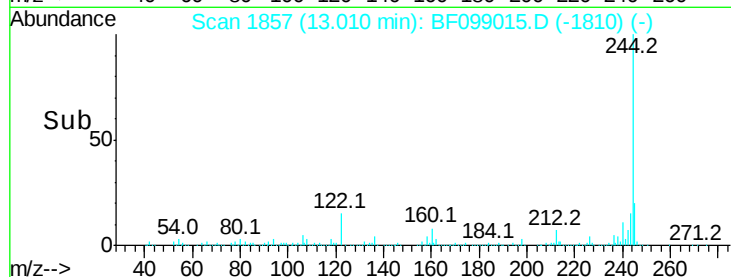
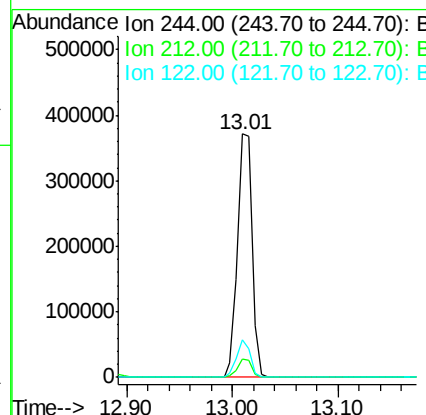
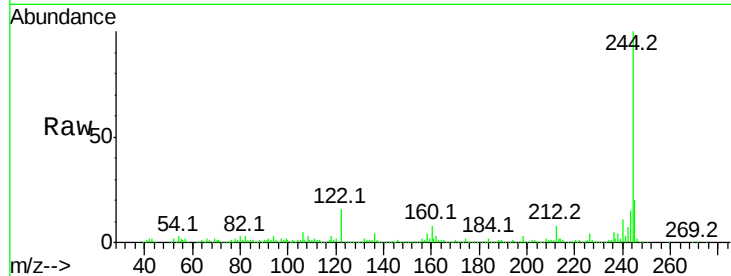
ClientSampled :

G-65-1-2

Tot Ion:	244	Resp:	353840
Ion Ratio	Lower	Upper	
244	100		
212	7.6	5.4	8.0
122	15.6	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 18.733 ng

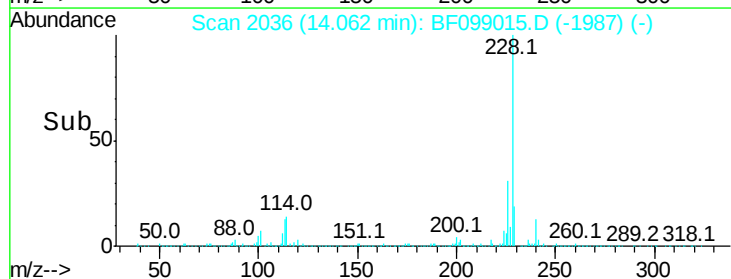
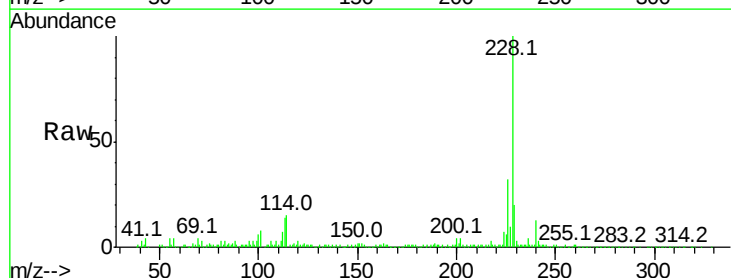
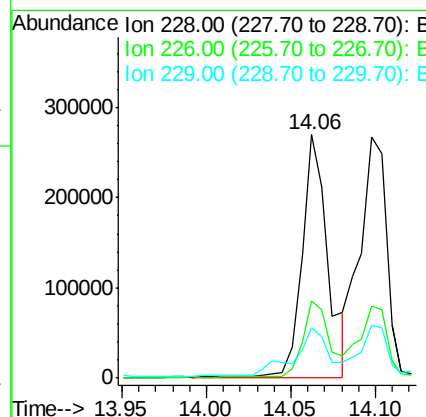
RT: 14.06 min Scan# 2036

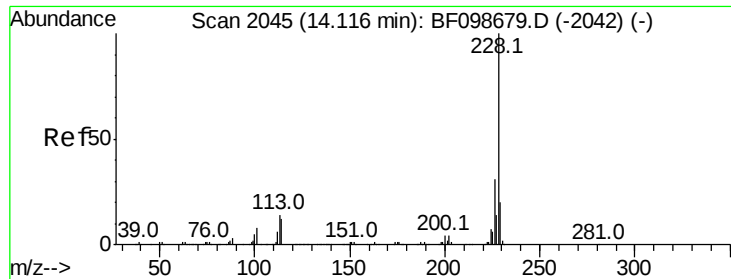
Delta R.T. -0.01 min

Lab File: BF099015.D

Acq: 2 Oct 2017 22:24

Tgt Ion:	228	Resp:	284826
Ion Ratio	Lower	Upper	
228	100		
226	31.7	22.6	33.8
229	20.5	15.8	23.6





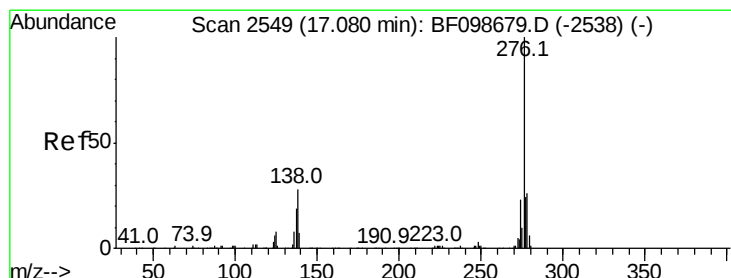
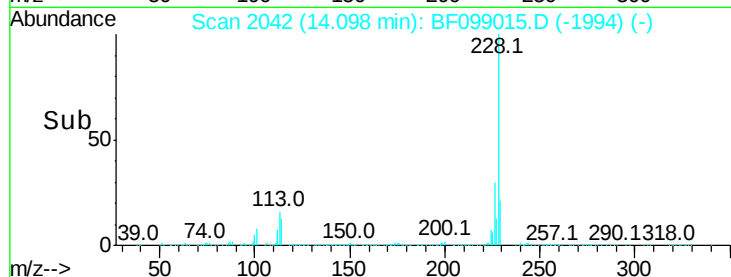
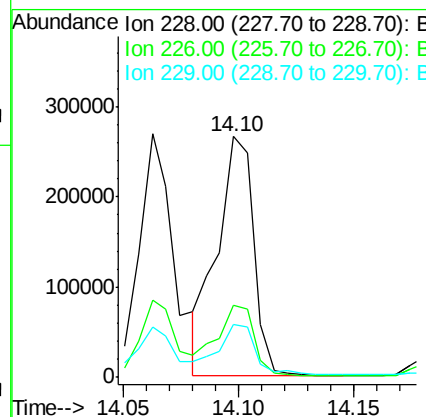
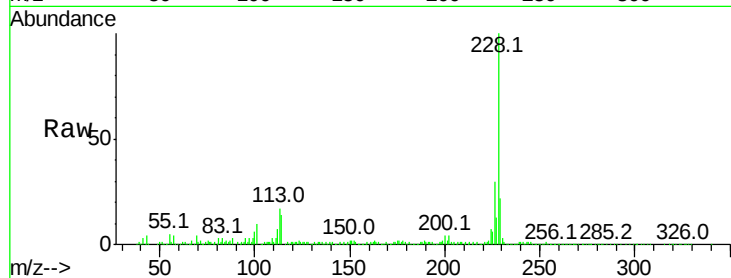
#82
Chrysene
Concen: 20.279 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.02 min
Lab File: BF099015.D
Acq: 2 Oct 2017 22:24

Instrument :
BNA_F
ClientSampleId :
G-65-1-2

Tot Ion:	228	Resp:	293542
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.0	37.6
229	22.0	16.2	24.4

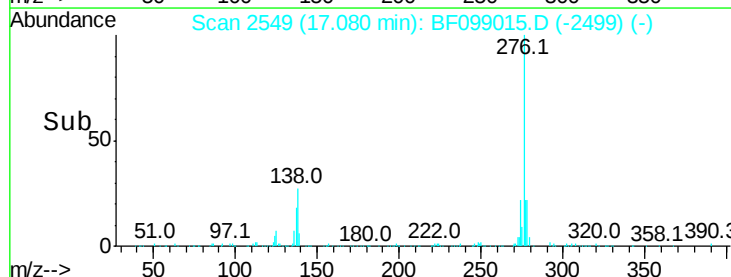
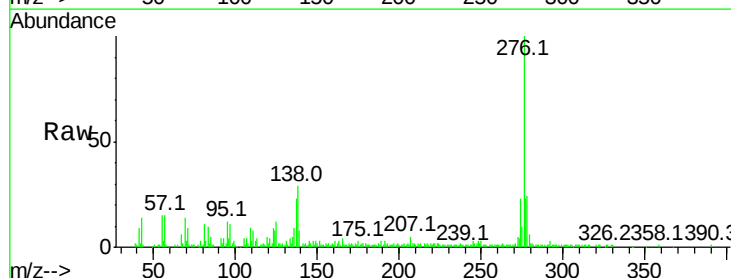
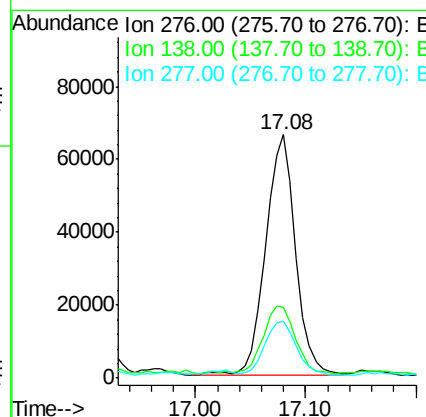
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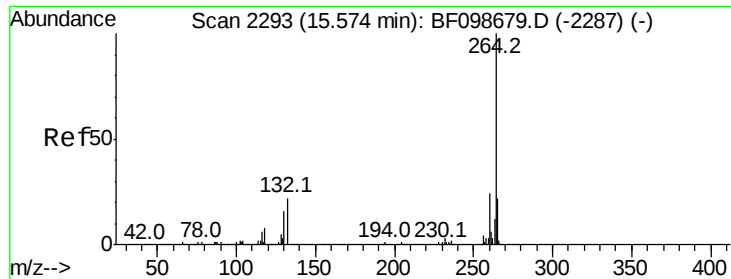
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#85
Indeno(1,2,3-cd)pyrene
Concen: 10.735 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF099015.D
Acq: 2 Oct 2017 22:24

Tgt Ion:	276	Resp:	124310
Ion Ratio	Lower	Upper	
276	100		
138	30.1	25.0	37.6
277	24.2	20.1	30.1





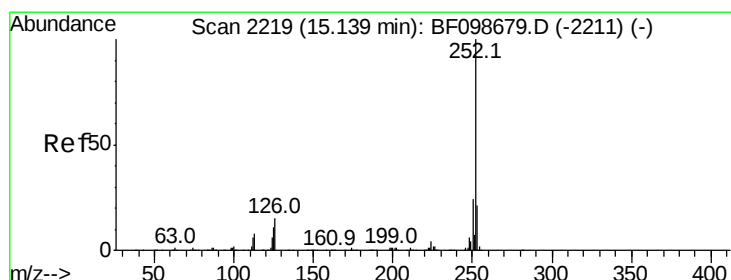
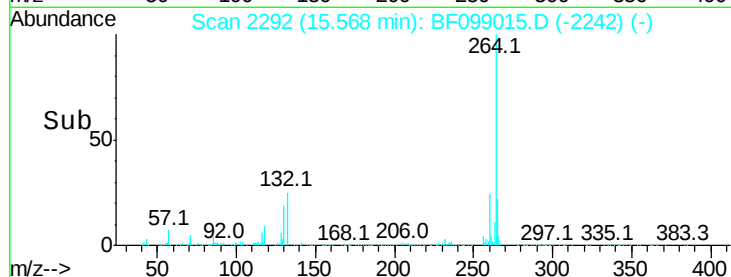
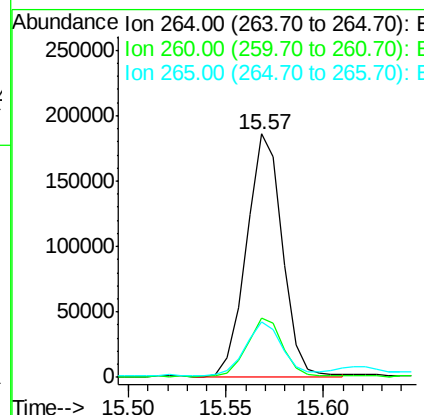
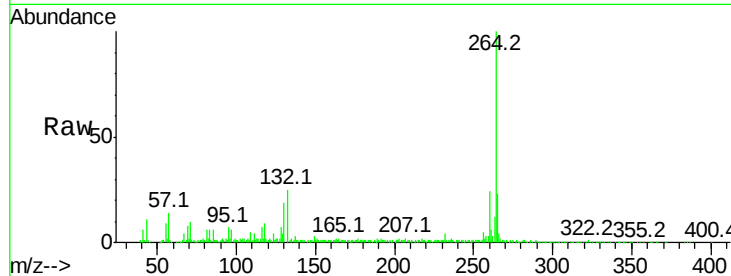
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. -0.01 min
Lab File: BF099015.D
Acq: 2 Oct 2017 22:24

Instrument :
BNA_F
ClientSampled :
G-65-1-2

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.4	19.2	28.8	
265	22.6	17.5	26.3	

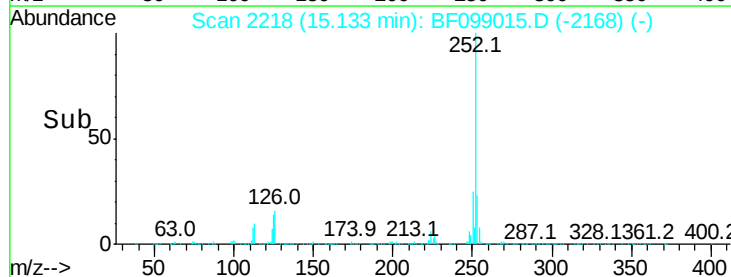
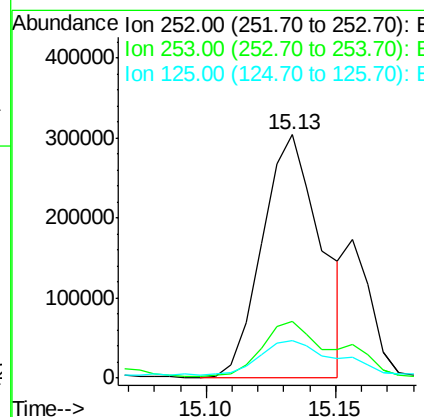
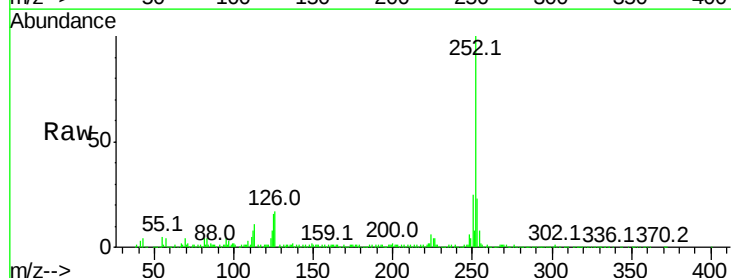
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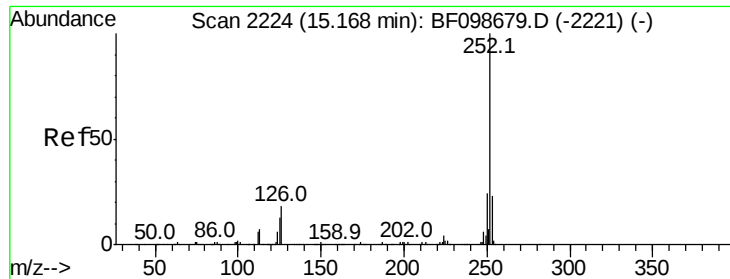
Sohil
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#87
Benzo(b)fluoranthene
Concen: 33.505 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF099015.D
Acq: 2 Oct 2017 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.2	17.0	25.6	
125	15.6	9.0	13.6	





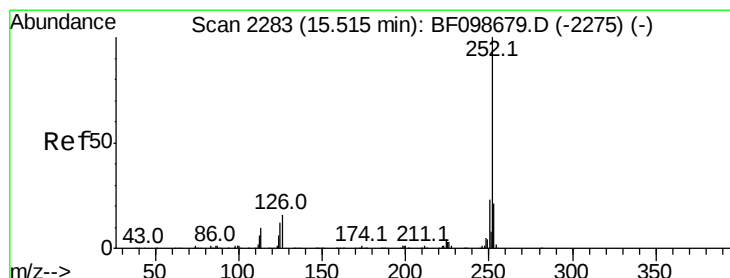
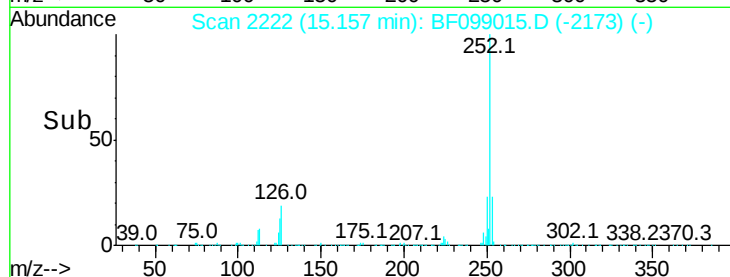
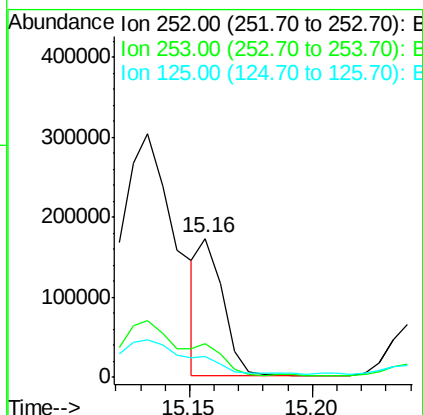
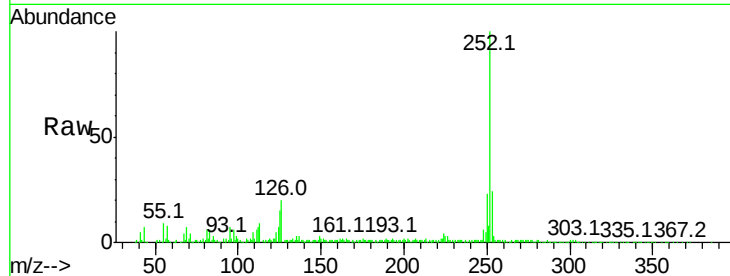
#88
Benzo(k)fluoranthene
Concen: 8.120 ng/mL
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF099015.D
Acq: 2 Oct 2017 22:24

Instrument :
BNA_F
ClientSampleId :
G-65-1-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	15.2	10.2	15.2

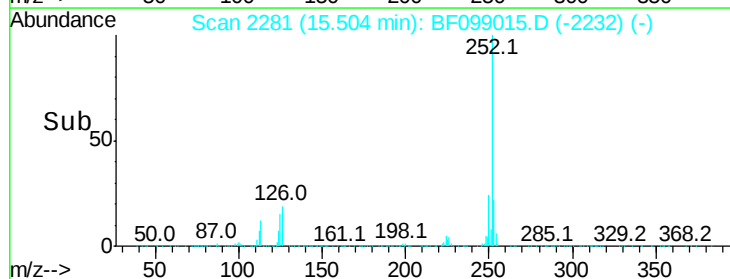
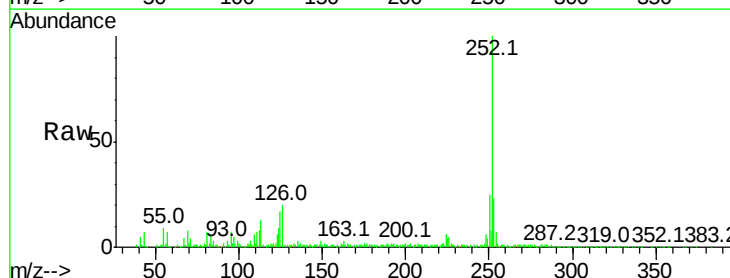
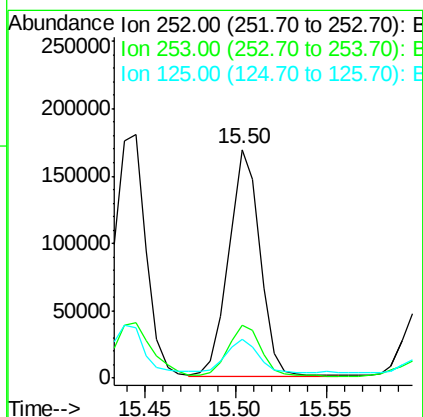
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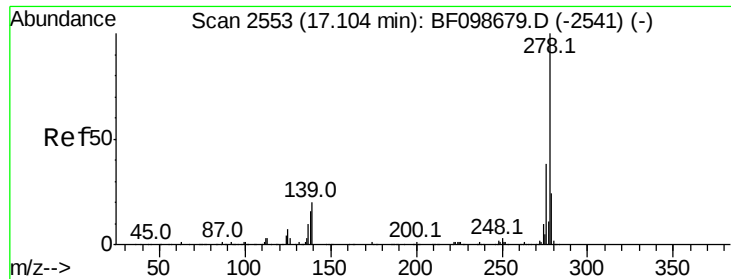
Sohil
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#89
Benzo(a)pyrene
Concen: 15.292 ng/mL
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF099015.D
Acq: 2 Oct 2017 22:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	17.2	9.8	14.6





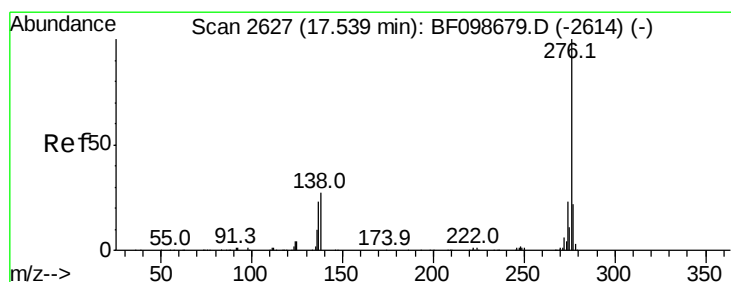
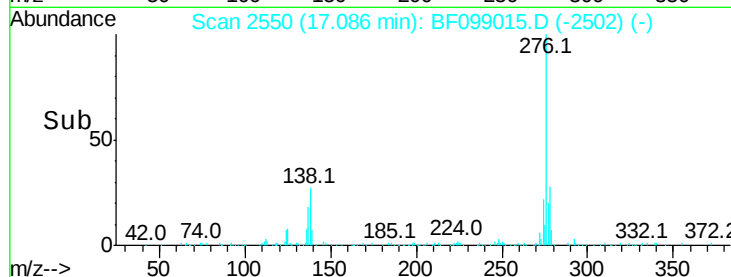
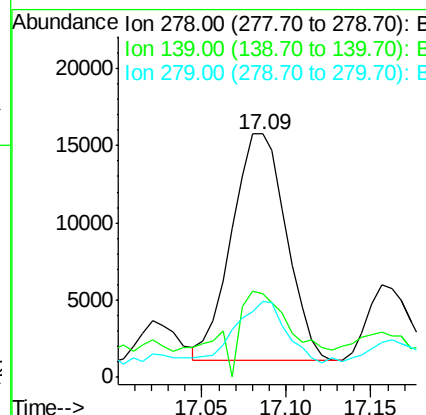
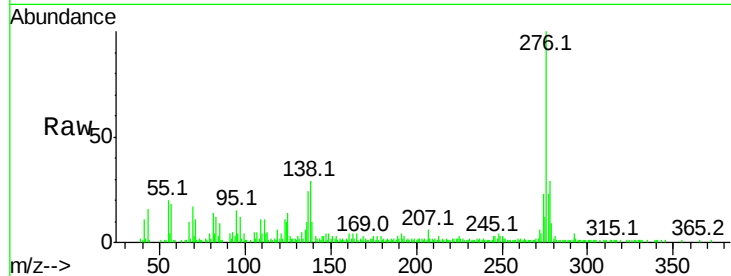
#90
Dibenzo(a,h)anthracene
Concen: 3.118 ng
RT: 17.09 min Scan# 2550
Delta R.T. -0.02 min
Lab File: BF099015.D
Acq: 2 Oct 2017 22:24

Instrument :
BNA_F
ClientSampleId :
G-65-1-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	34.4	15.9	23.9#
279	31.1	19.0	28.4#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 9.537 ng
RT: 17.54 min Scan# 2627
Delta R.T. -0.01 min
Lab File: BF099015.D
Acq: 2 Oct 2017 22:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	31.2	21.8	32.8

