

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
 Data File : BF099007.D
 Acq On : 2 Oct 2017 18:43
 Operator : SJ/JU
 Sample : I5531-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-63A-0-3

Manual Integrations
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Quant Time: Oct 03 12:06:13 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	130179	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	429195	20.00	ng	-0.01
38) Acenaphthene-d10	9.96	164	144162	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	228283	20.00	ng	0.01
75) Chrysene-d12	14.07	240	244207	20.00	ng	-0.01
86) Perylene-d12	15.56	264	261725	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1140354	139.45	ng	0.00
7) Phenol-d6	6.53	99	1370322	135.84	ng	-0.01
23) Nitrobenzene-d5	7.47	82	802768	119.95	ng	-0.02
41) 2,4,6-Tribromophenol	10.76	330	168637	142.96	ng	0.01
44) 2-Fluorobiphenyl	9.27	172	967557	112.04	ng	0.00
78) Terphenyl-d14	13.02	244	798116	74.33	ng	-0.01
Target Compounds						
10) Phenol	6.55	94	28642	2.539	ng	93
37) 2-Methylnaphthalene	8.92	142	1640821	125.214	ng	97
49) Dimethylphthalate	9.67	163	137536m	12.641	ng	
51) Acenaphthene	10.00	154	144652m	16.035	ng	
57) Fluorene	10.52	166	262817m	27.224	ng	
70) Phenanthrene	11.48	178	824113	67.443	ng	97
71) Anthracene	11.53	178	108710m	8.695	ng	
74) Fluoranthene	12.66	202	196503	15.881	ng	98
77) Pyrene	12.89	202	209938	11.274	ng	97
80) Benzo(a)anthracene	14.06	228	86187	5.828	ng	# 89
82) Chrysene	14.10	228	129687	9.212	ng	# 95
85) Indeno(1,2,3-cd)pyrene	17.06	276	42656	3.788	ng	98
87) Benzo(b)fluoranthene	15.12	252	131302m	8.159	ng	
88) Benzo(k)fluoranthene	15.14	252	47006m	2.957	ng	
89) Benzo(a)pyrene	15.50	252	67739	4.586	ng	# 92
91) Benzo(g,h,i)perylene	17.52	276	37386	3.199	ng	93

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

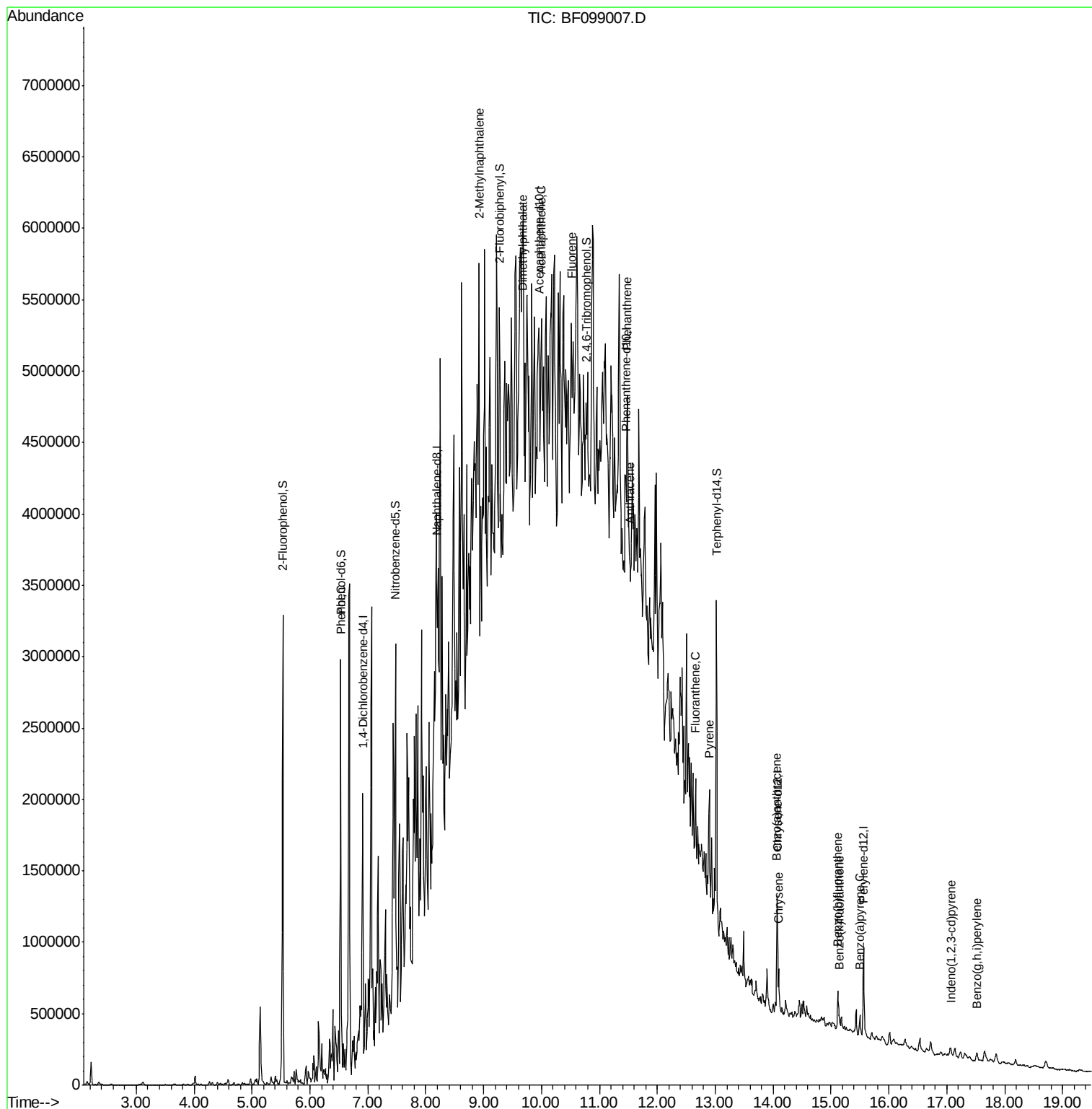
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
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ALS Vial : 11 Sample Multiplier: 1

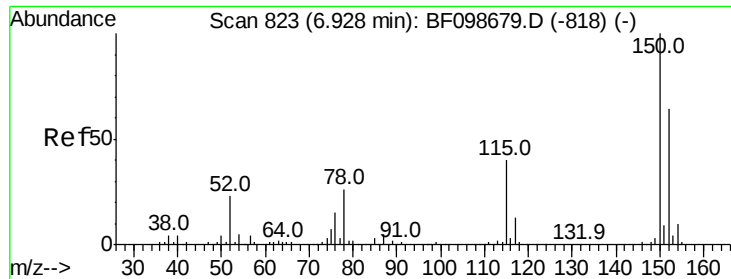
Instrument :
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G-63A-0-3

Quant Time: Oct 03 12:06:13 2017
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#1

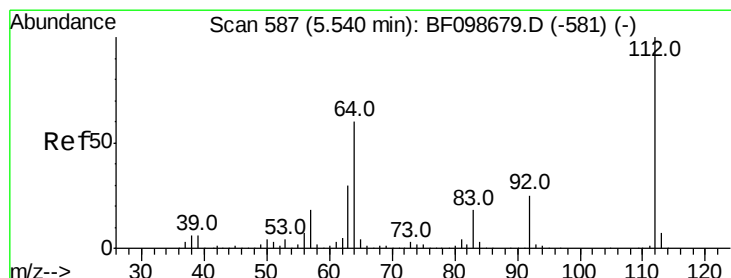
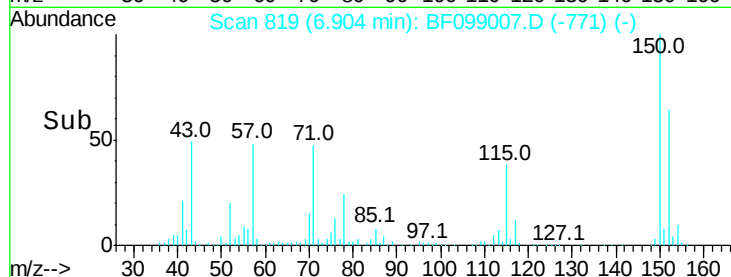
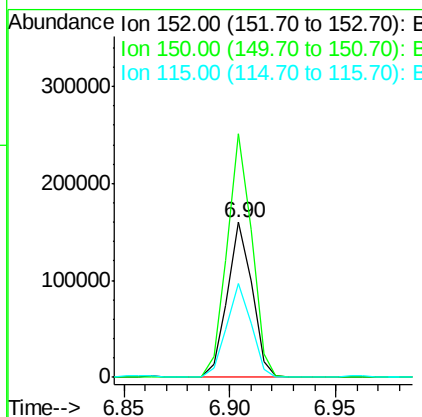
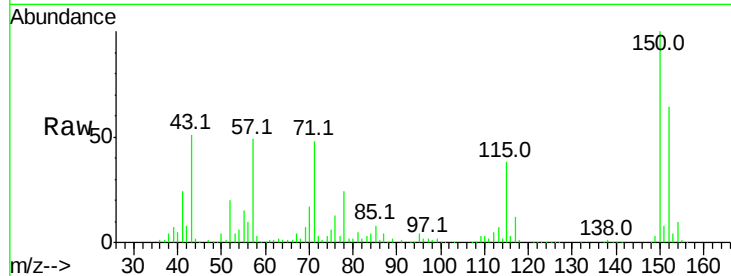
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF099007.D
Acq: 2 Oct 2017 18:43

Instrument :
BNA_F
ClientSampleId :
G-63A-0-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.6	186.8
115	60.4	50.1	75.1

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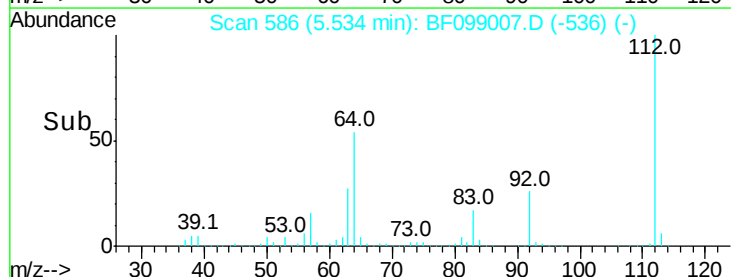
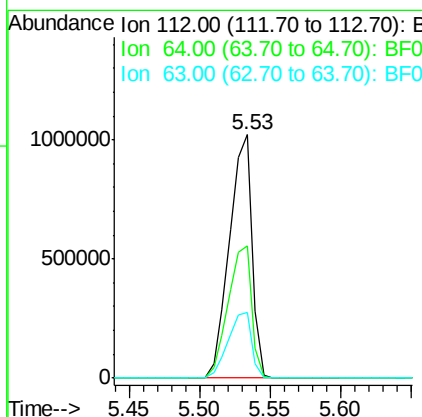
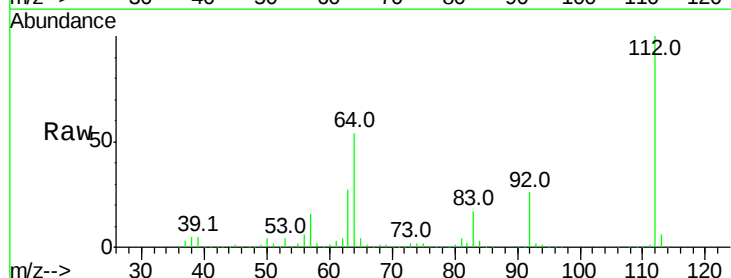
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#5

2-Fluorophenol
Concen: 139.449 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF099007.D
Acq: 2 Oct 2017 18:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	47.9	71.9
63	27.1	23.7	35.5





#7

Phenol-d6

Concen: 135.837 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF099007.D

Acq: 2 Oct 2017 18:43

Instrument :

BNA_F

ClientSampleId :

G-63A-0-3

Tot Ion: 99 Resp: 1370322

Ion Ratio Lower Upper

99 100

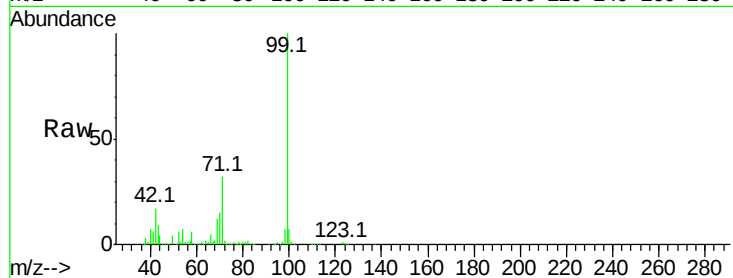
42 16.6 14.5 21.7

71 32.1 25.4 38.0

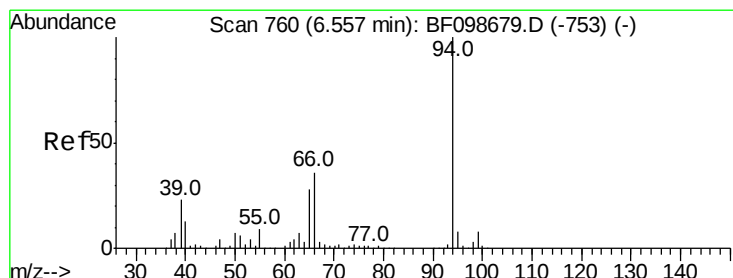
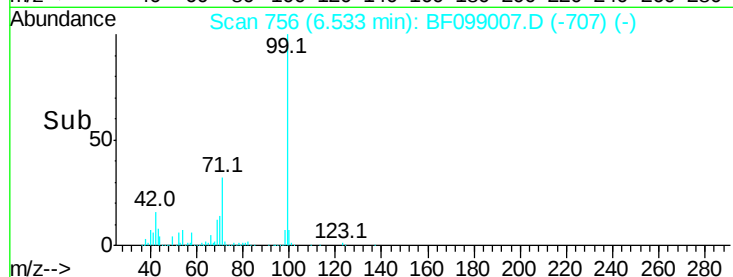
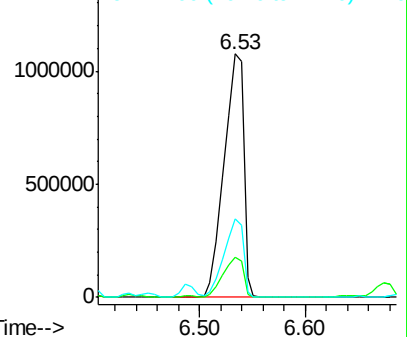
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.539 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF099007.D

Acq: 2 Oct 2017 18:43

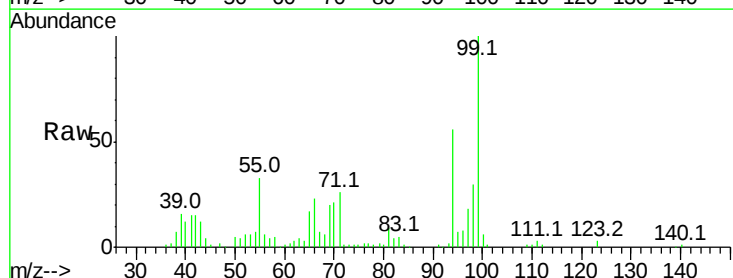
Tgt Ion: 94 Resp: 28642

Ion Ratio Lower Upper

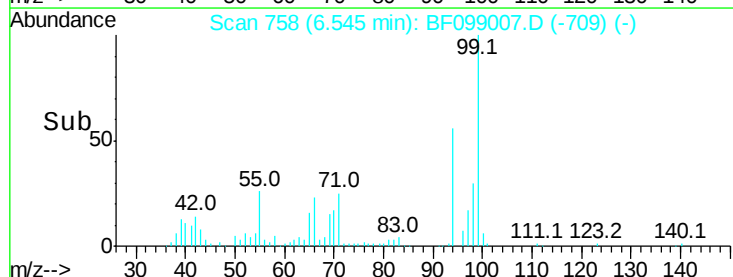
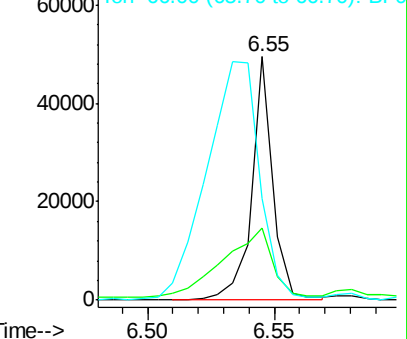
94 100

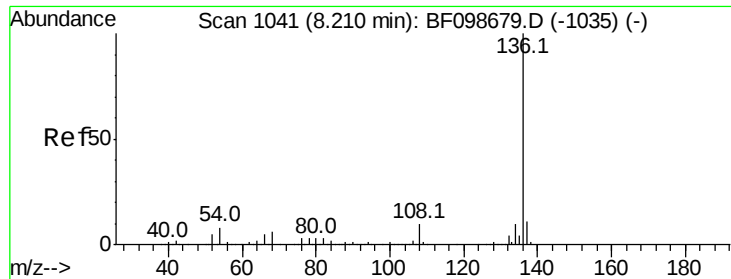
65 29.7 7.9 47.9

66 41.6 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF099007.D

Acq: 2 Oct 2017 18:43

Instrument :

BNA_F

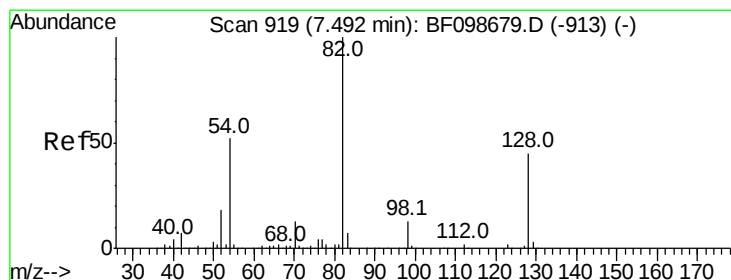
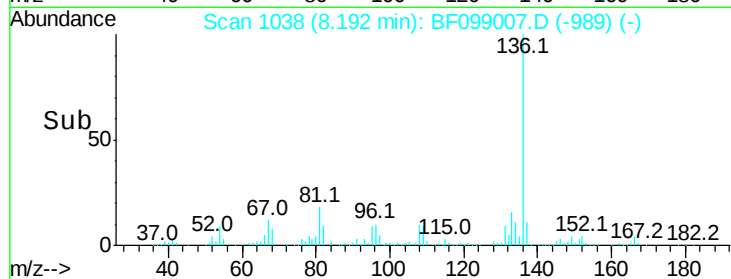
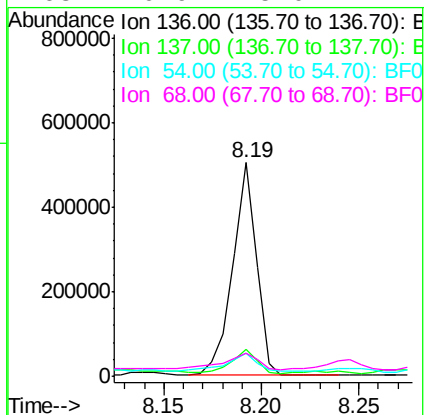
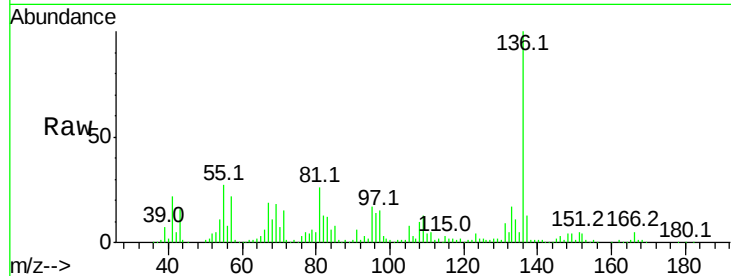
ClientSampleId :

G-63A-0-3

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	12.6	8.9	13.3
54	10.9	6.6	9.8#
68	10.9	5.0	7.4#

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#23

Nitrobenzene-d5

Concen: 119.949 ng

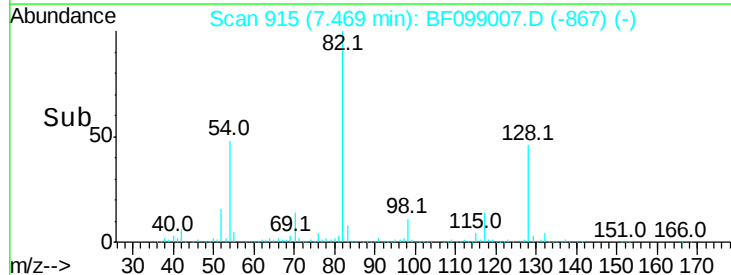
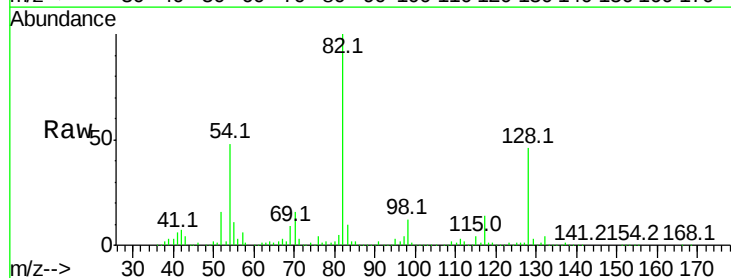
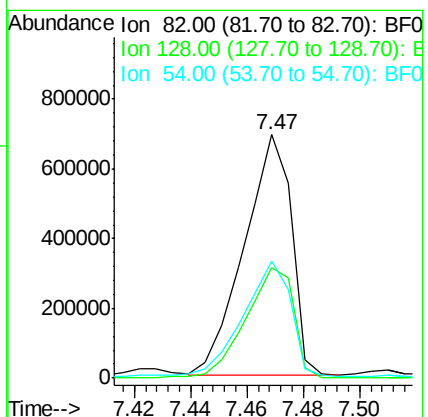
RT: 7.47 min Scan# 915

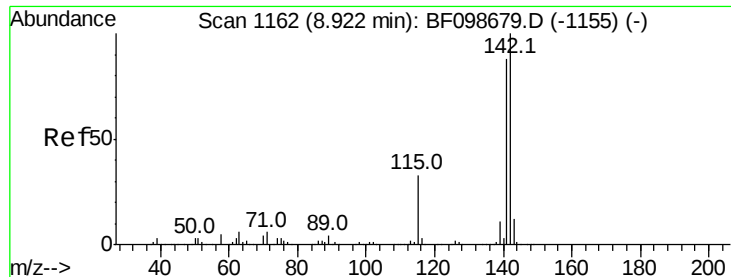
Delta R.T. -0.02 min

Lab File: BF099007.D

Acq: 2 Oct 2017 18:43

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	45.6	36.1	54.1
54	48.0	41.4	62.2





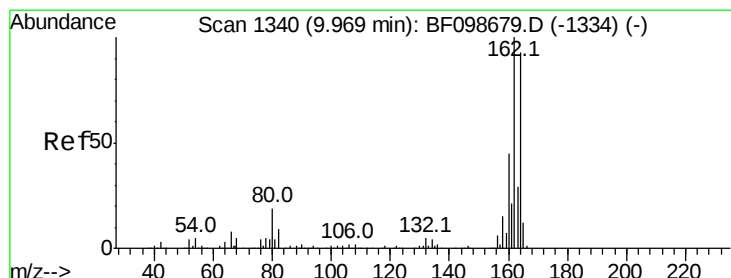
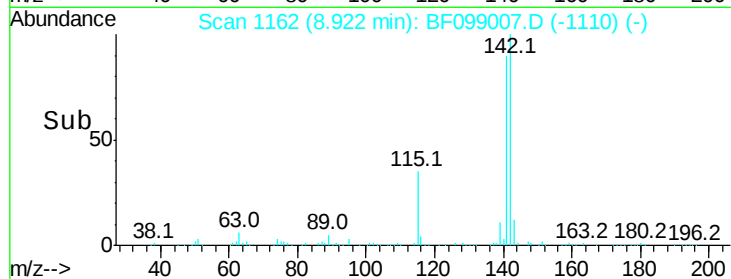
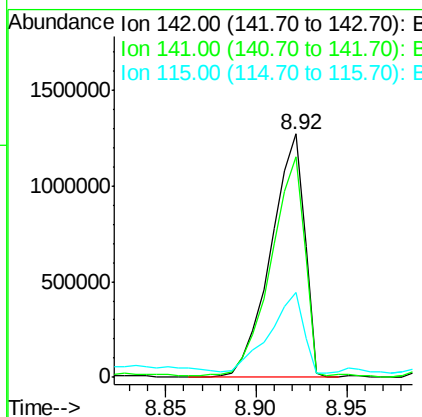
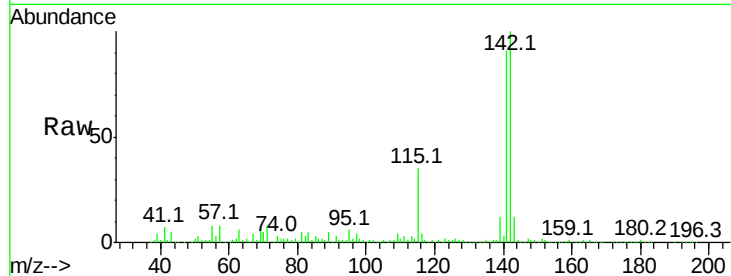
#37
2-Methylnaphthalene
Concen: 125.214 ng
RT: 8.92 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BF099007.D
Acq: 2 Oct 2017 18:43

Instrument :
BNA_F
ClientSampleId :
G-63A-0-3

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.5	70.8	106.2
115	35.1	26.1	39.1

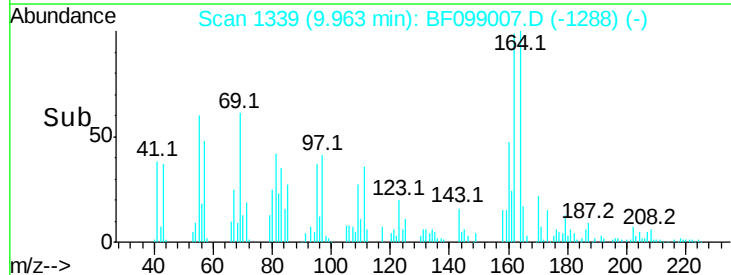
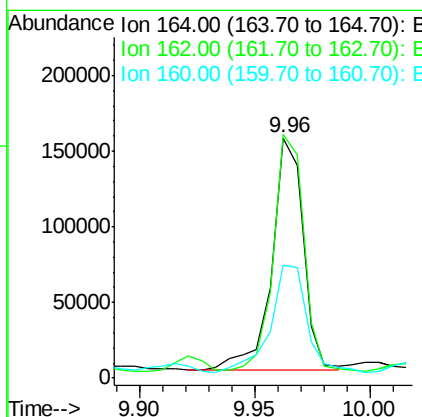
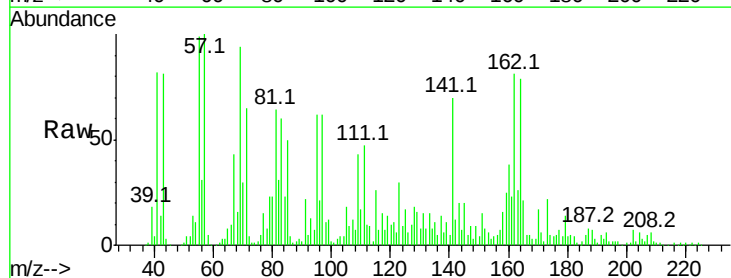
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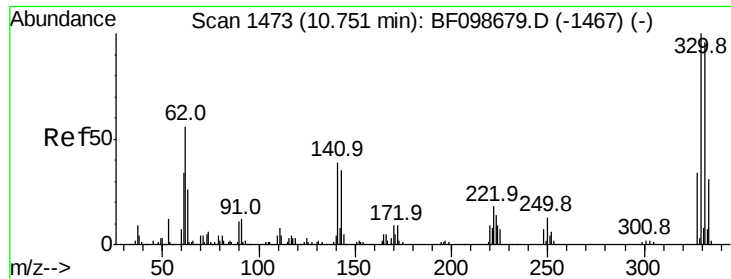
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BF099007.D
Acq: 2 Oct 2017 18:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	86.1	129.1
160	47.4	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 142.957 ng

RT: 10.76 min Scan# 1475

Delta R.T. 0.01 min

Lab File: BF099007.D

Acq: 2 Oct 2017 18:43

Instrument :

BNA_F

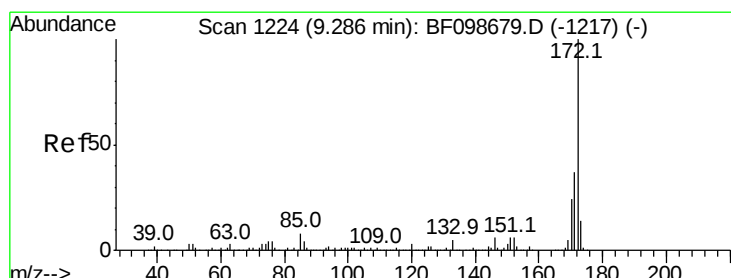
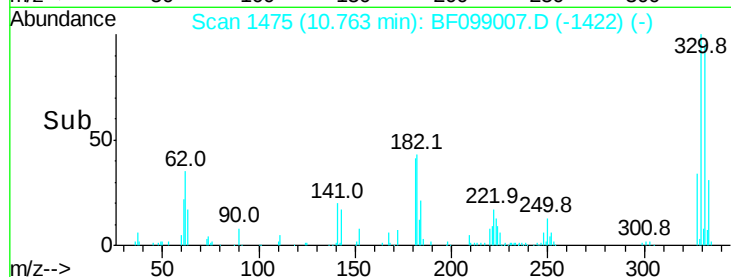
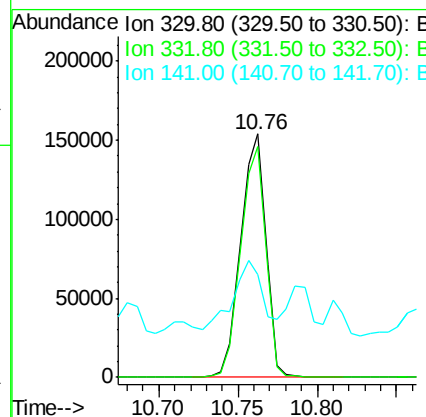
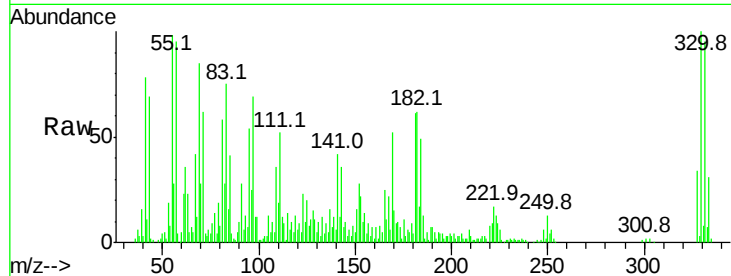
ClientSampled :

G-63A-0-3

Tot Ion:	330	Resp:	168637
Ion Ratio	Lower	Upper	
330	100		
332	94.9	77.0	115.6
141	31.5	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 112.044 ng

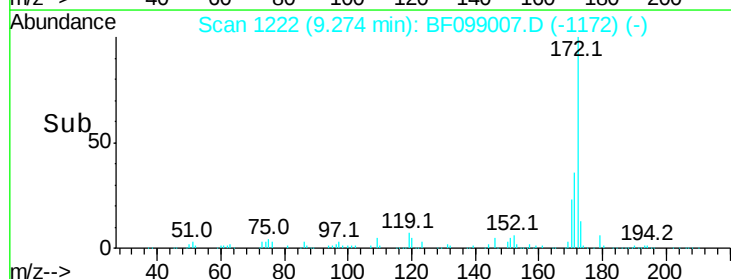
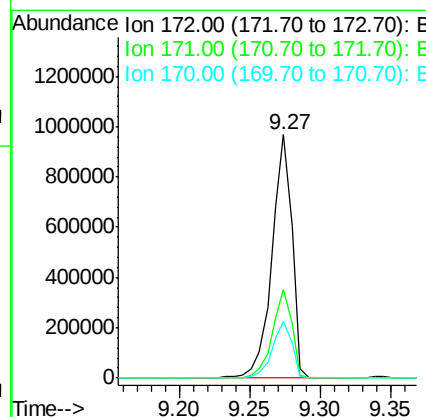
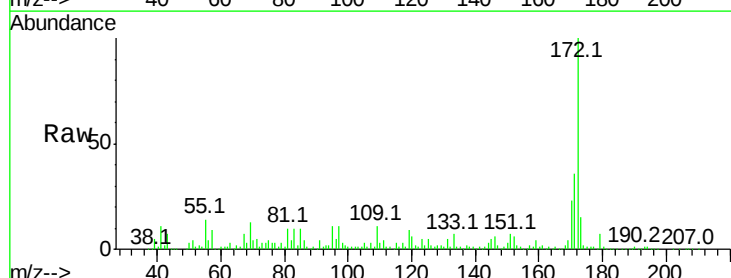
RT: 9.27 min Scan# 1222

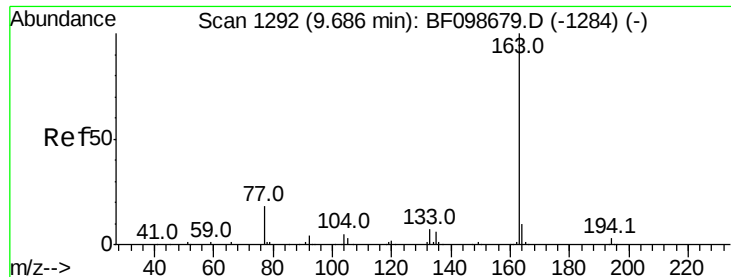
Delta R.T. -0.01 min

Lab File: BF099007.D

Acq: 2 Oct 2017 18:43

Tgt Ion:	172	Resp:	967557
Ion Ratio	Lower	Upper	
172	100		
171	36.5	29.7	44.5
170	23.4	19.6	29.4





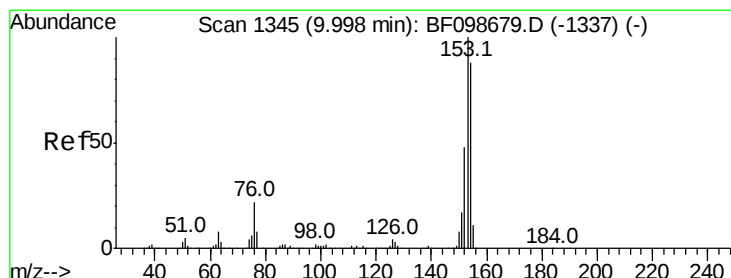
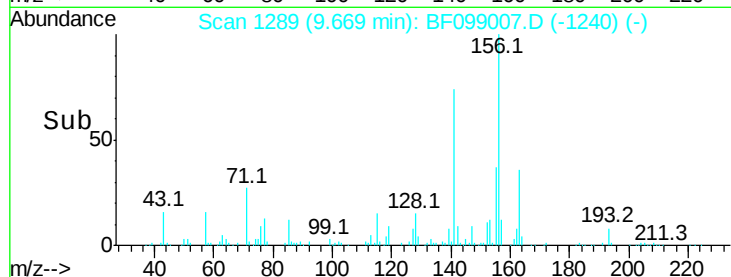
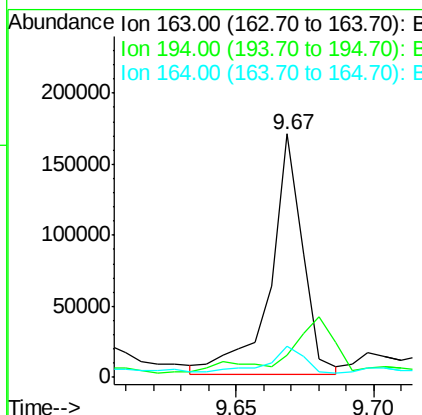
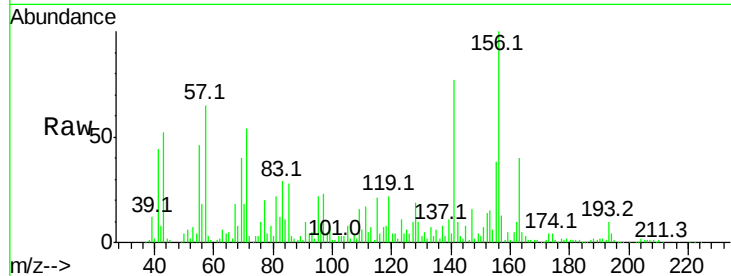
#49
Dimethylphthalate
Concen: 12.641 ng m
RT: 9.67 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF099007.D
Acq: 2 Oct 2017 18:43

Instrument :
BNA_F
ClientSampled :
G-63A-0-3

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	9.0	2.7	4.1#	
164	12.9	8.2	12.2#	

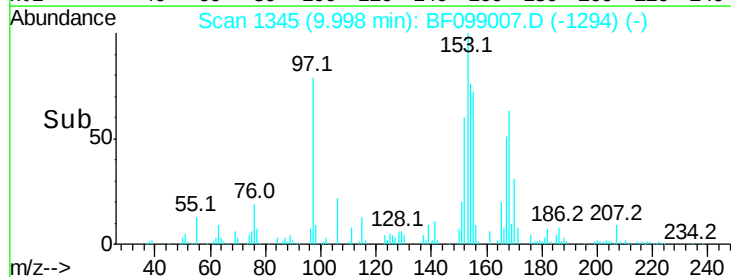
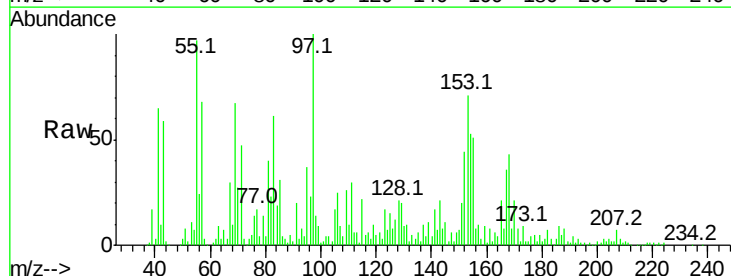
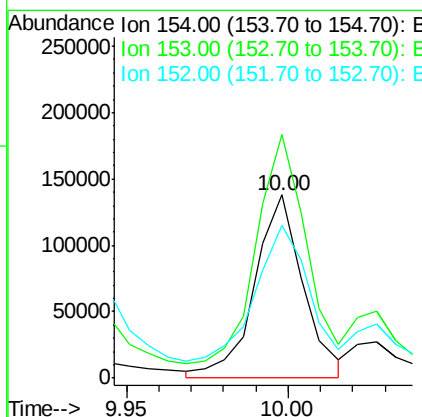
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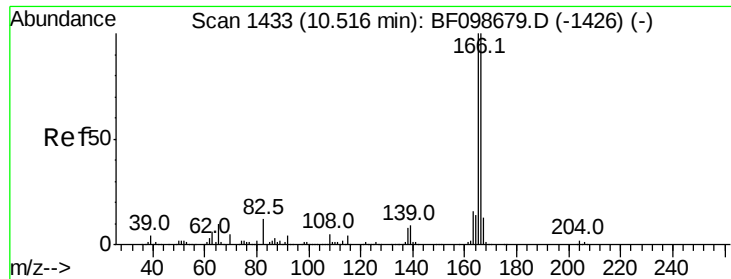
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#51
Acenaphthene
Concen: 16.035 ng m
RT: 10.00 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BF099007.D
Acq: 2 Oct 2017 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	132.7	91.2	136.8	
152	83.3	43.8	65.8#	





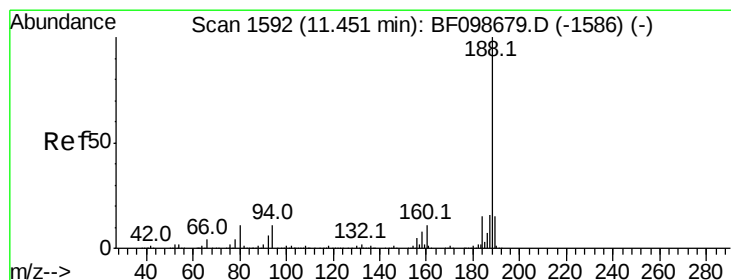
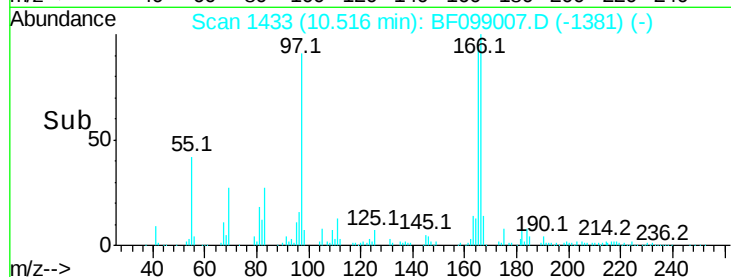
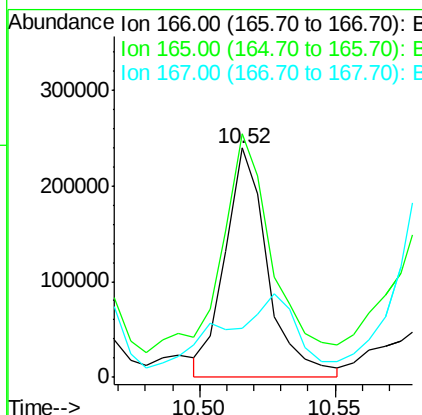
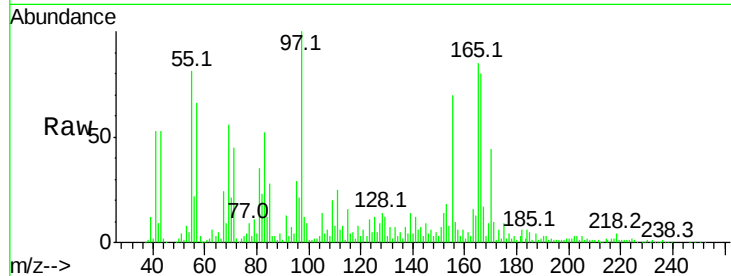
#57
Fluorene
 Concen: 27.224 ng/ml
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.01 min
 Lab File: BF099007.D
 Acq: 2 Oct 2017 18:43

Instrument :
 BNA_F
 ClientSampleId :
 G-63A-0-3

Tot Ion	Ratio	Lower	Upper
166	100		
165	106.2	79.8	119.8
167	21.5	10.6	16.0

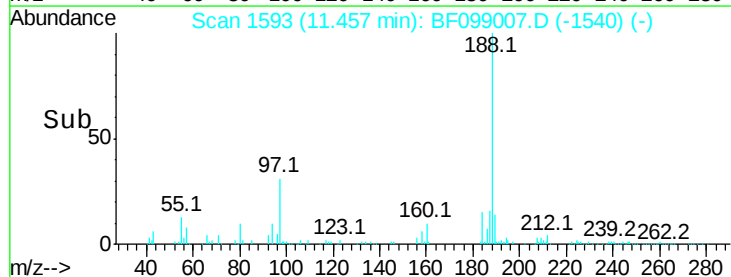
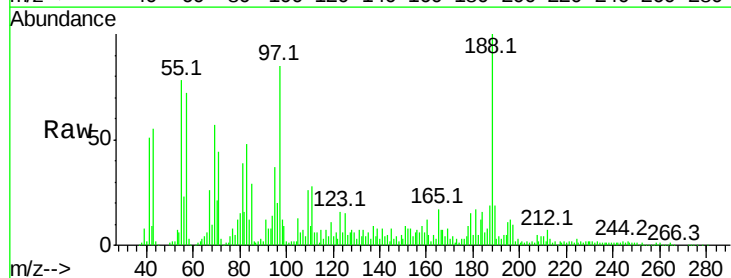
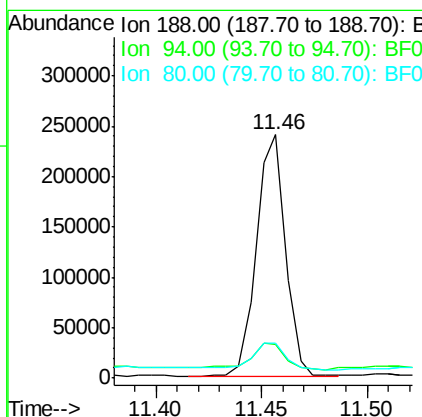
Manual Integrations
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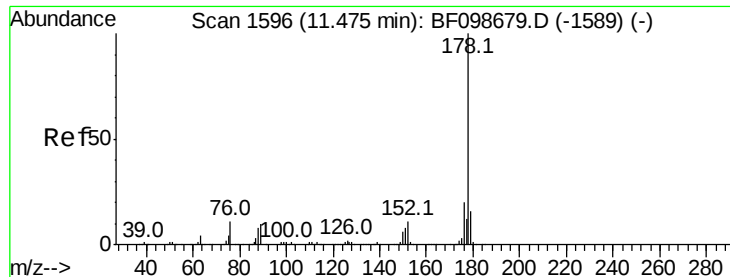
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. 0.01 min
 Lab File: BF099007.D
 Acq: 2 Oct 2017 18:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	14.0	8.5	12.7
80	14.5	9.2	13.8





#70

Phenanthrene

Concen: 67.443 ng

RT: 11.48 min Scan# 1597

Delta R.T. 0.01 min

Lab File: BF099007.D

Acq: 2 Oct 2017 18:43

Instrument :

BNA_F

ClientSampled :

G-63A-0-3

Tot Ion:178 Resp: 824113

Ion Ratio Lower Upper

178 100

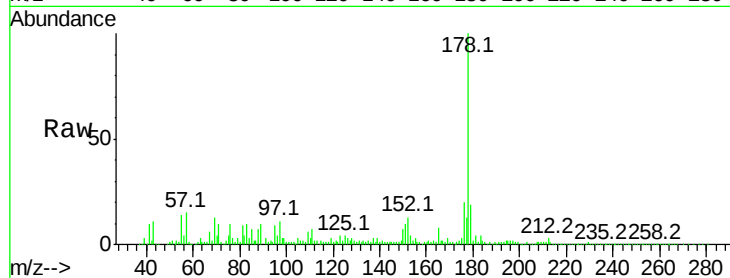
176 20.0 15.8 23.8

179 18.7 13.0 19.6

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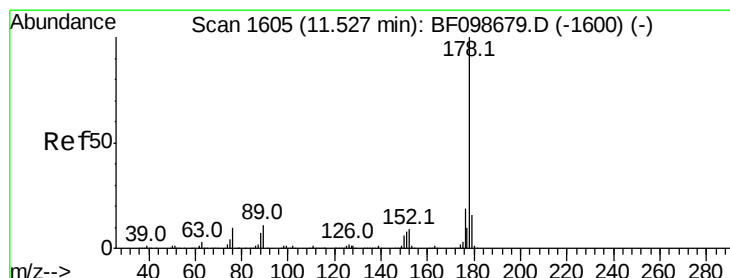
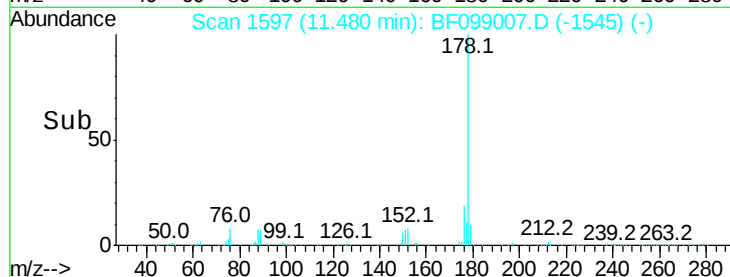
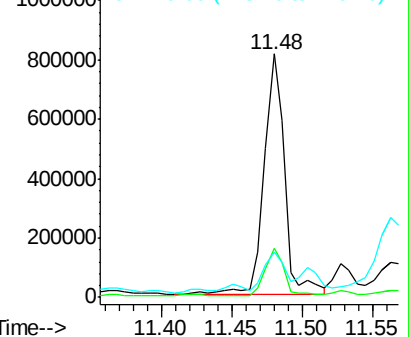
10/3/2017 6:50:46 PM



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: 8.695 ng m

RT: 11.53 min Scan# 1605

Delta R.T. -0.00 min

Lab File: BF099007.D

Acq: 2 Oct 2017 18:43

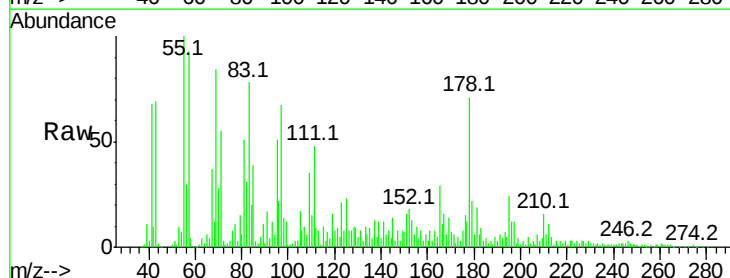
Tgt Ion:178 Resp: 108710

Ion Ratio Lower Upper

178 100

176 21.1 15.4 23.2

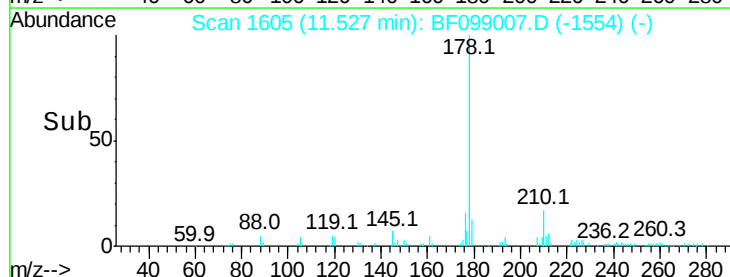
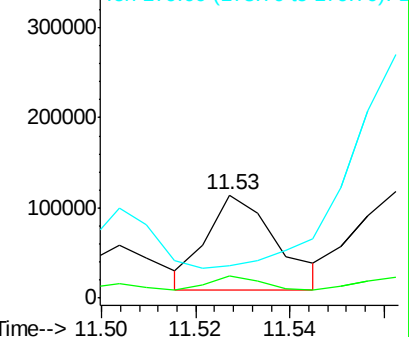
179 31.4 12.6 19.0#

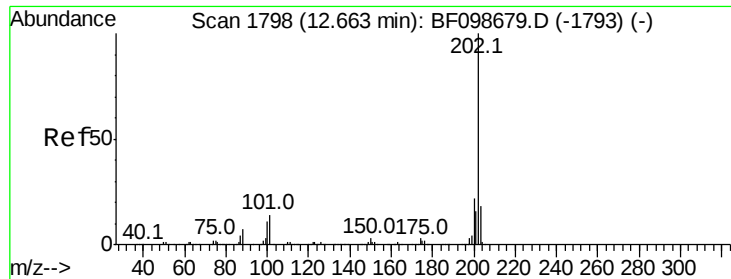


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 15.881 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.00 min

Lab File: BF099007.D

Acq: 2 Oct 2017 18:43

Instrument :

BNA_F

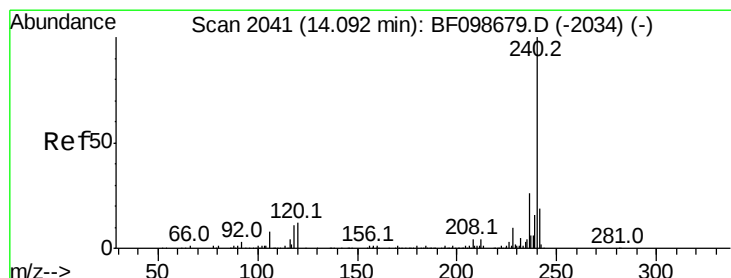
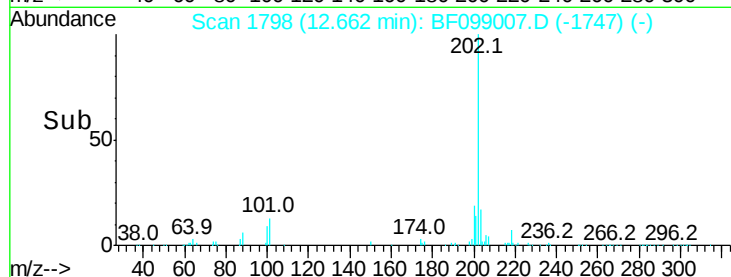
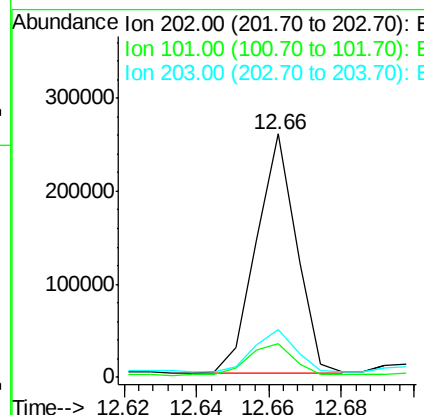
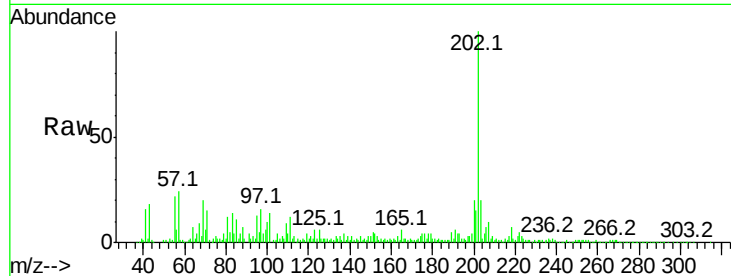
ClientSampleId :

G-63A-0-3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.0	0.0	34.1
203	19.6	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

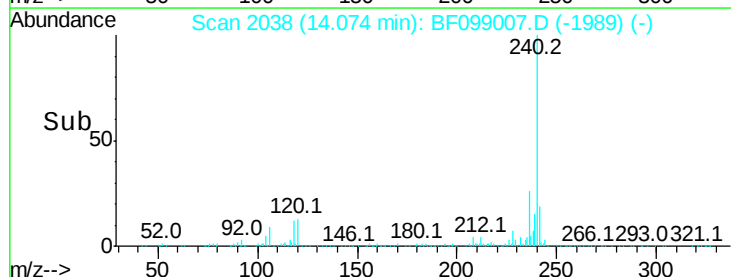
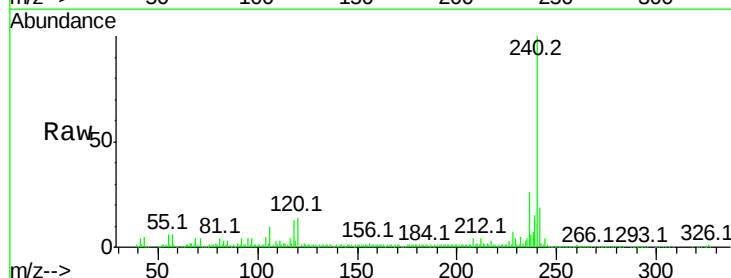
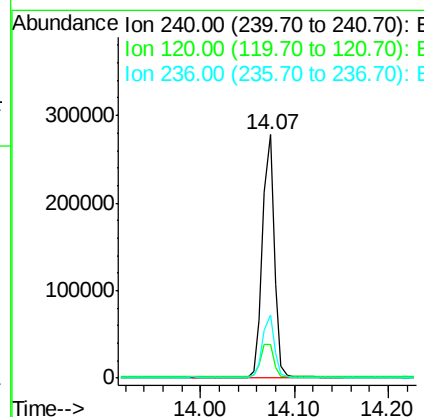
RT: 14.07 min Scan# 2038

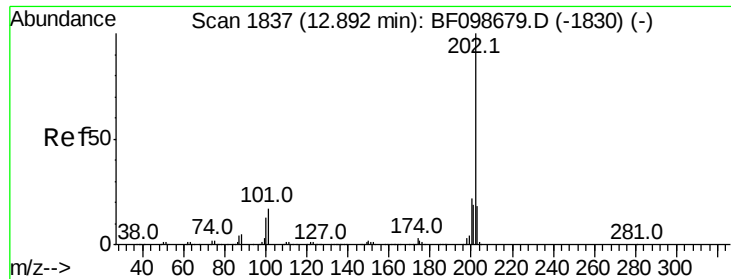
Delta R.T. -0.01 min

Lab File: BF099007.D

Acq: 2 Oct 2017 18:43

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.0	9.5	14.3
236	25.9	20.7	31.1





#77

Pvrene

Concen: 11.274 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF099007.D

Acq: 2 Oct 2017 18:43

Instrument :

BNA_F

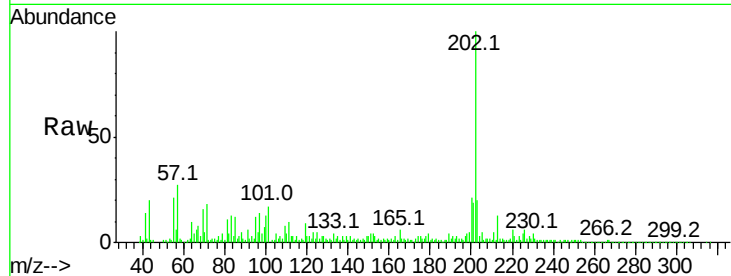
ClientSampleId :

G-63A-0-3

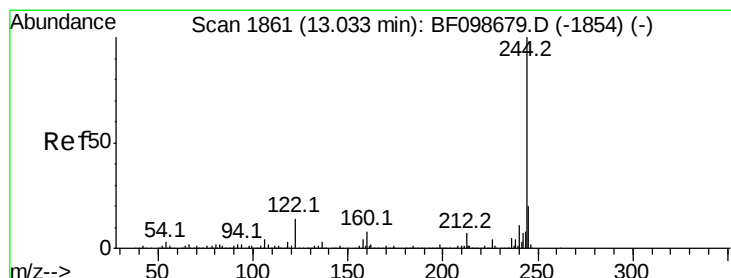
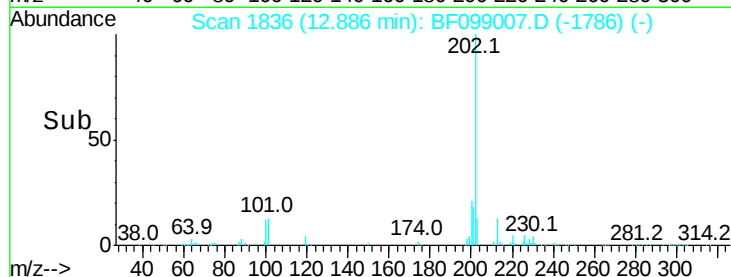
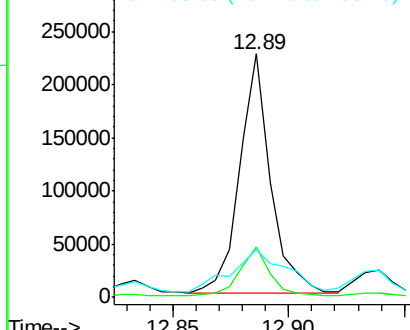
Tot Ion:	202	Resp:	209938
Ion Ratio		Lower	Upper
202	100		
200	20.9	17.4	26.2
203	19.6	14.3	21.5

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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: 74.325 ng

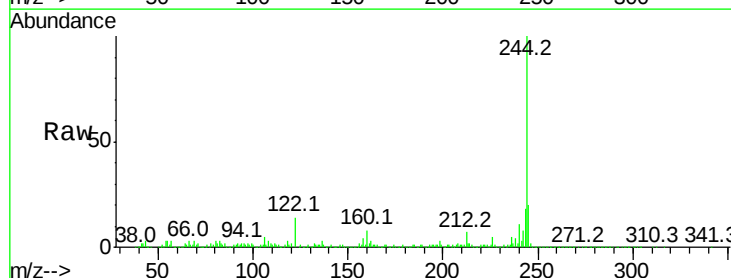
RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

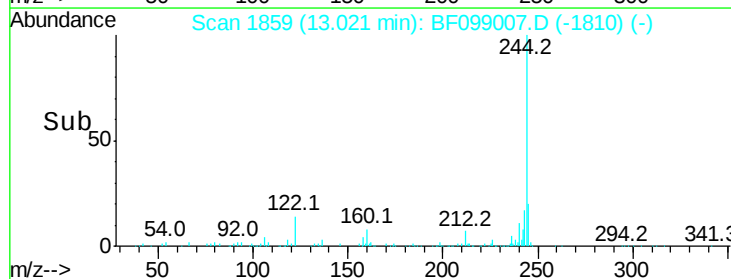
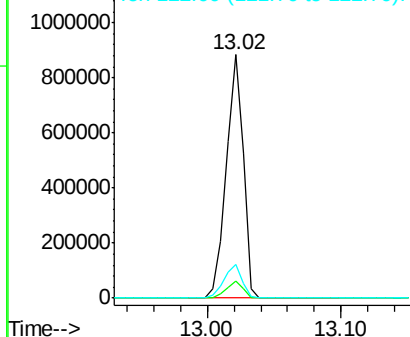
Lab File: BF099007.D

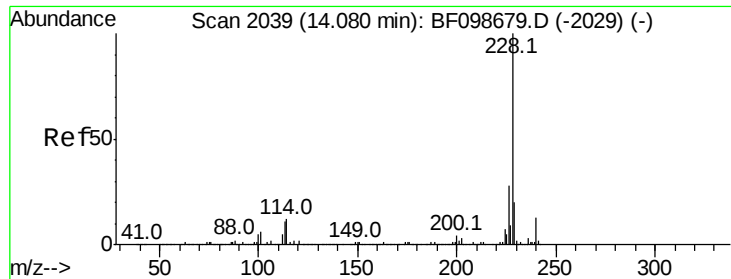
Acq: 2 Oct 2017 18:43

Tgt Ion:	244	Resp:	798116
Ion Ratio		Lower	Upper
244	100		
212	7.1	5.4	8.0
122	13.8	11.0	16.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





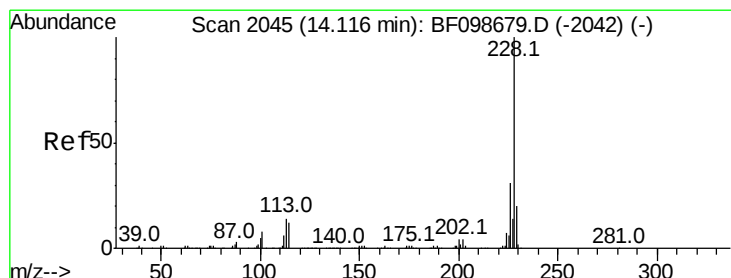
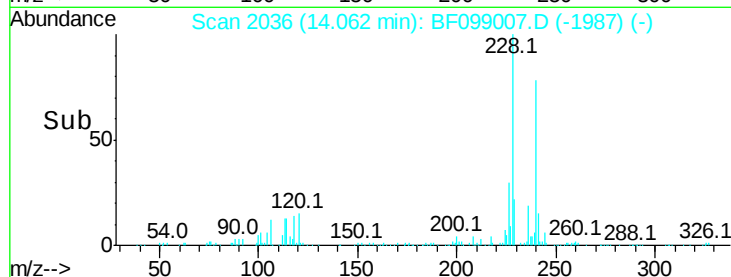
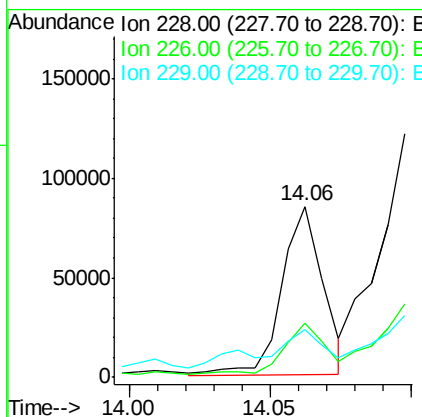
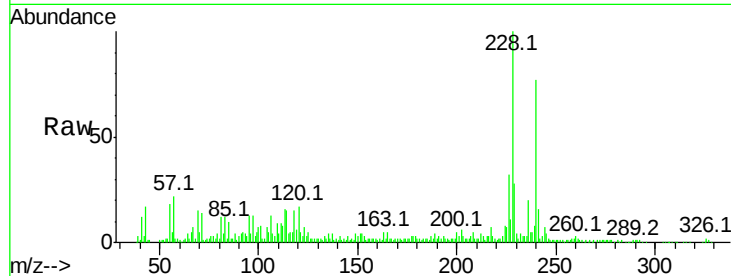
#80
Benzo(a)anthracene
Concen: 5.828 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF099007.D
Acq: 2 Oct 2017 18:43

Instrument :
BNA_F
ClientSampleId :
G-63A-0-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.0	22.6	33.8
229	27.7	15.8	23.6

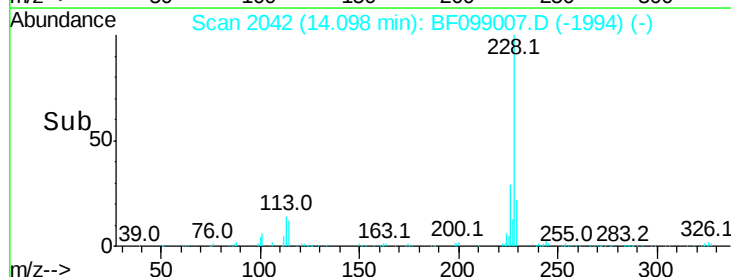
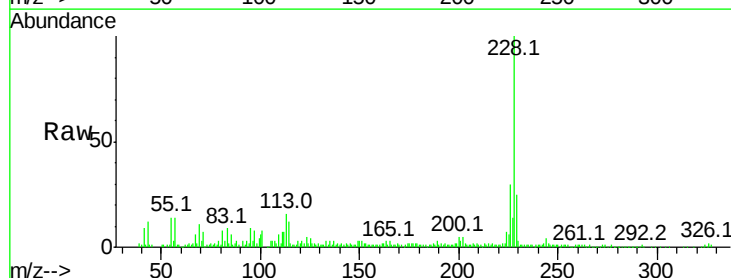
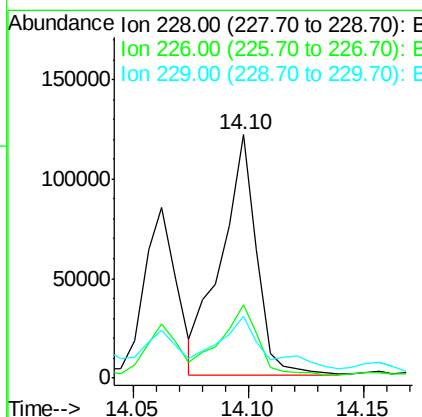
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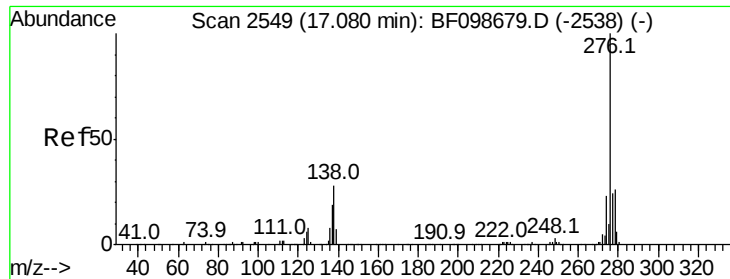
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#82
Chrysene
Concen: 9.212 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.02 min
Lab File: BF099007.D
Acq: 2 Oct 2017 18:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	25.2	16.2	24.4





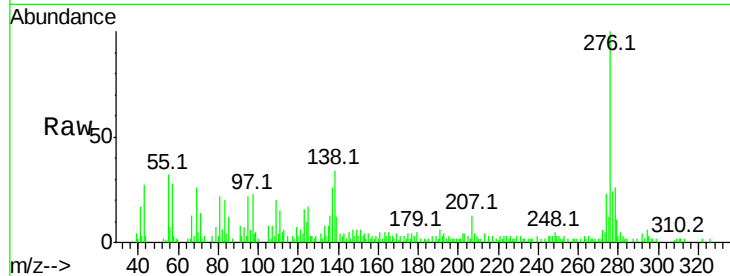
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.788 ng
RT: 17.06 min Scan# 2546
Delta R.T. -0.02 min
Lab File: BF099007.D
Acq: 2 Oct 2017 18:43

Instrument :
BNA_F
ClientSampleId :
G-63A-0-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.4	25.0	37.6
277	24.2	20.1	30.1

Manual Integrations
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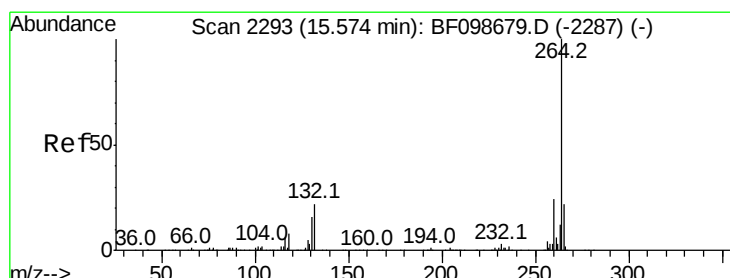
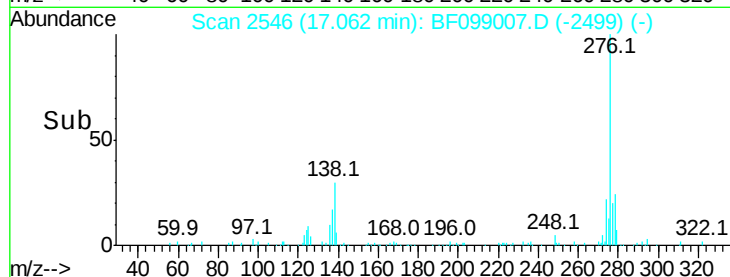
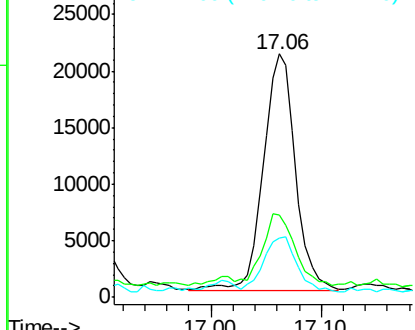


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF099007.D
Acq: 2 Oct 2017 18:43

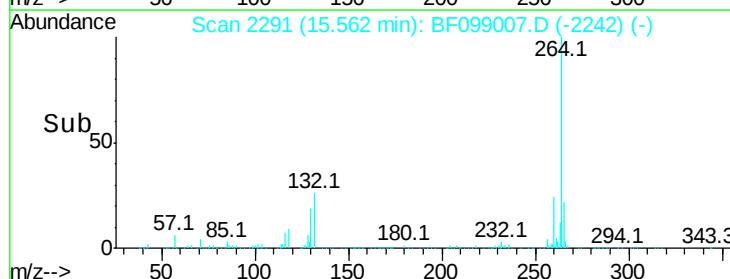
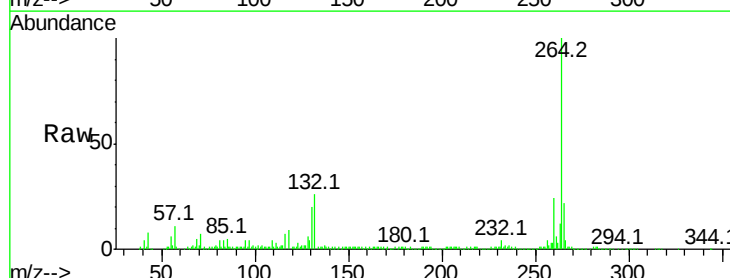
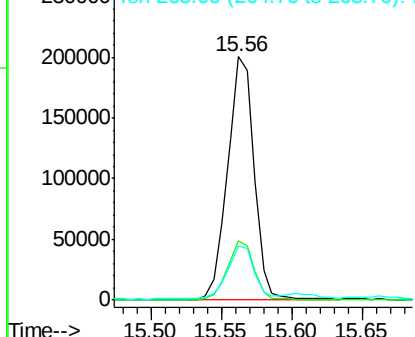
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.1	17.5	26.3

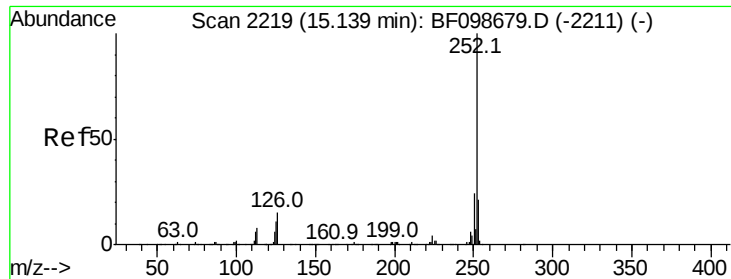
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





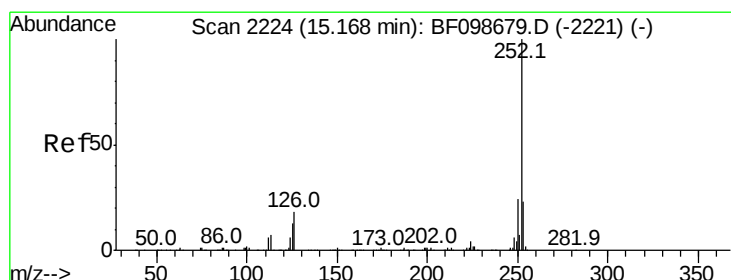
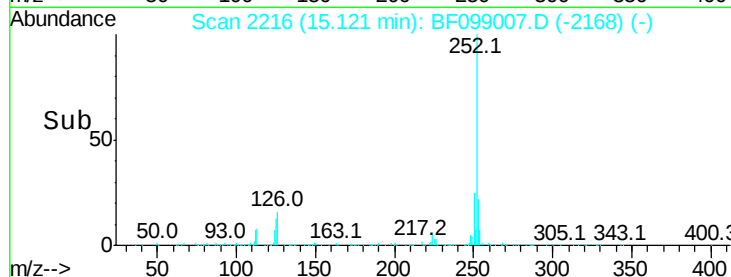
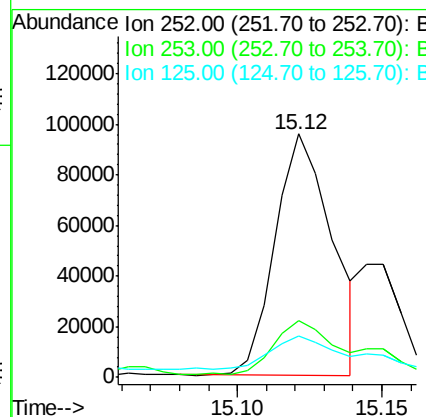
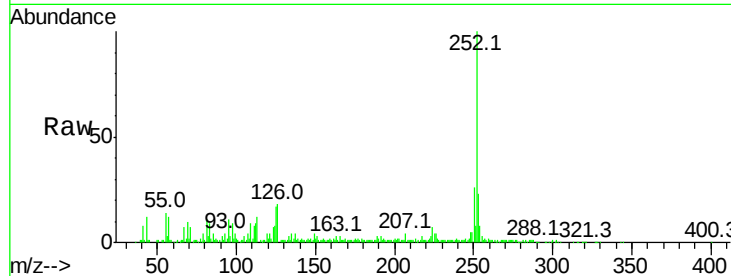
#87
Benzo(b)fluoranthene
Concen: 8.159 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.02 min
Lab File: BF099007.D
Acq: 2 Oct 2017 18:43

Instrument :
BNA_F
ClientSampleId :
G-63A-0-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	17.2	9.0	13.6

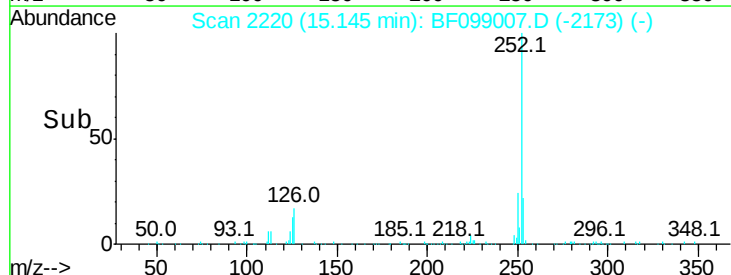
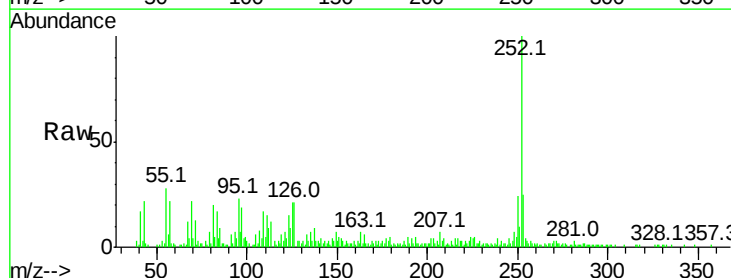
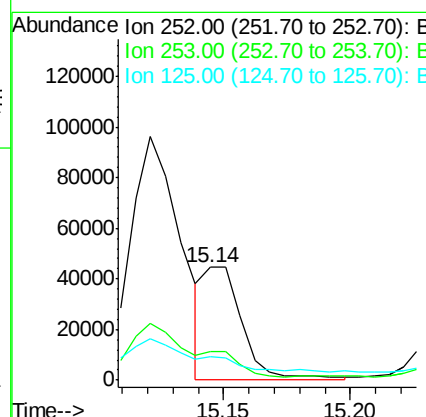
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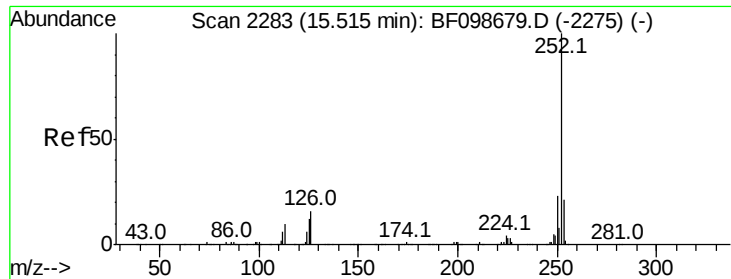
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#88
Benzo(k)fluoranthene
Concen: 2.957 ng m
RT: 15.14 min Scan# 2220
Delta R.T. -0.02 min
Lab File: BF099007.D
Acq: 2 Oct 2017 18:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.9	26.9
125	21.0	10.2	15.2





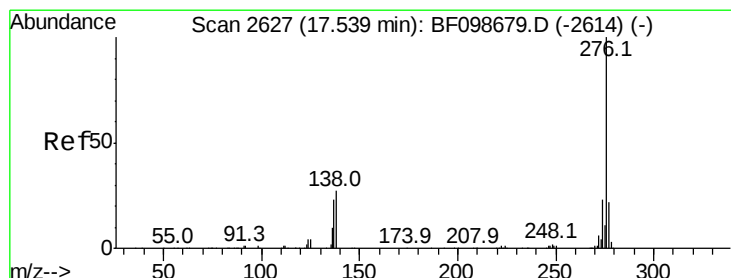
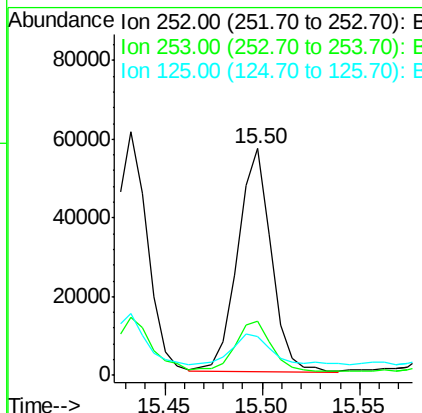
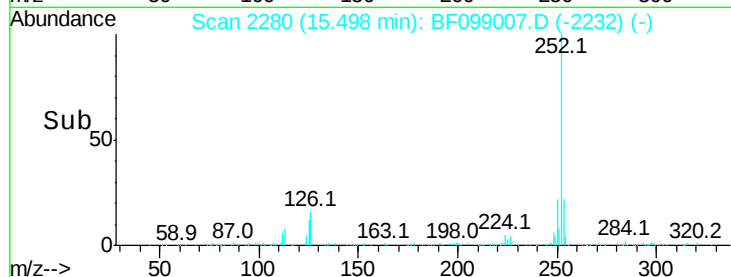
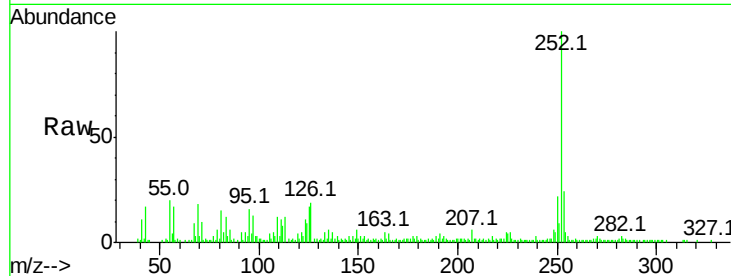
#89
Benzo(a)pyrene
Concen: 4.586 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF099007.D
Acq: 2 Oct 2017 18:43

Instrument :
BNA_F
ClientSampleId :
G-63A-0-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	17.2	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 3.199 ng
RT: 17.52 min Scan# 2624
Delta R.T. -0.02 min
Lab File: BF099007.D
Acq: 2 Oct 2017 18:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	17.9	26.9
138	30.9	21.8	32.8

