

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
 Data File : BF099063.D
 Acq On : 4 Oct 2017 6:56
 Operator : SJ/JU
 Sample : I5531-15DL 25X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-63A-3-6DL

Manual Integrations
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Quant Time: Oct 04 17:28:07 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	6.87	152	98537	20.00	ng	-0.05
21) Naphthalene-d8	8.16	136	333389	20.00	ng	-0.05
38) Acenaphthene-d10	9.92	164	115554	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	179944	20.00	ng	-0.05
75) Chrysene-d12	14.03	240	213927	20.00	ng	-0.05
86) Perylene-d12	15.51	264	209618	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	39978	6.46	ng	-0.06
7) Phenol-d6	6.49	99	47471	6.22	ng	-0.06
23) Nitrobenzene-d5	7.43	82	34386	6.61	ng	-0.06
41) 2,4,6-Tribromophenol	10.70	330	3398m	3.59	ng	-0.05
44) 2-Fluorobiphenyl	9.23	172	43613	6.30	ng	-0.05
78) Terphenyl-d14	12.97	244	34778	3.70	ng	-0.06
Target Compounds						
37) 2-Methylnaphthalene	8.87	142	541544	53.202	ng	98
57) Fluorene	10.46	166	78987	10.208	ng	# 91
70) Phenanthrene	11.42	178	234062	24.301	ng	98
74) Fluoranthene	12.61	202	23719	2.432	ng	92

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

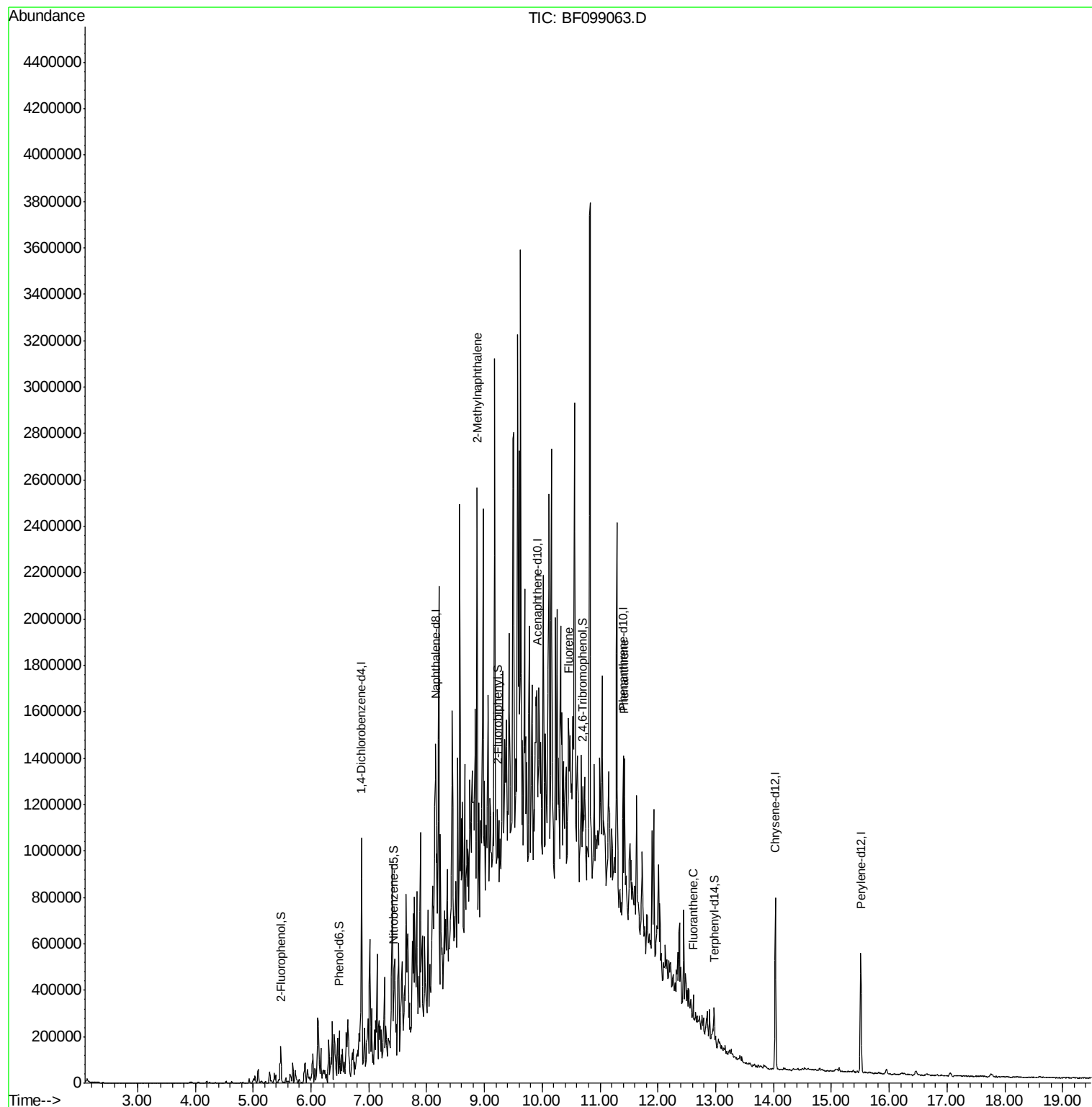
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
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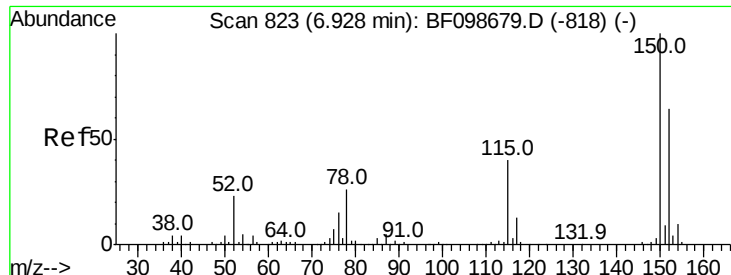
Instrument :
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G-63A-3-6DL

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#1

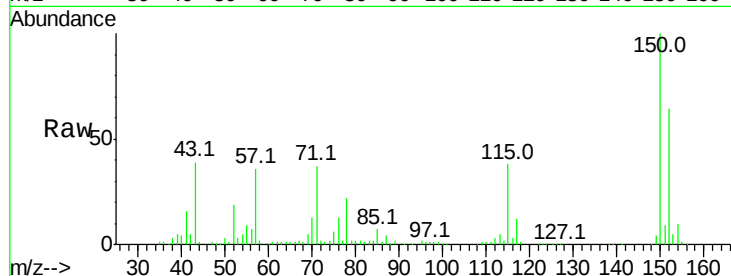
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.05 min
Lab File: BF099063.D
Acq: 4 Oct 2017 6:56

Instrument :
BNA_F
ClientSampleId :
G-63A-3-6DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.6	186.8
115	59.9	50.1	75.1

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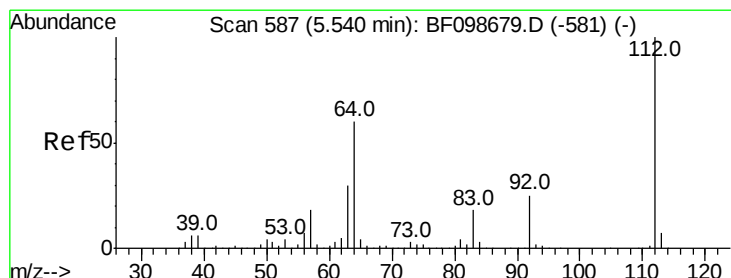
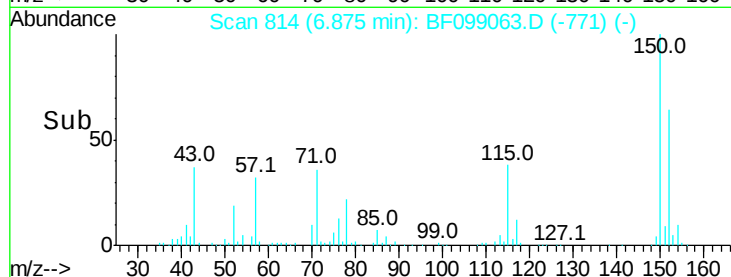
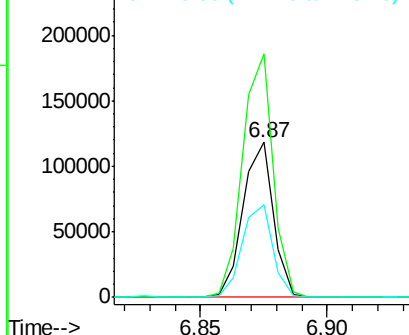


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

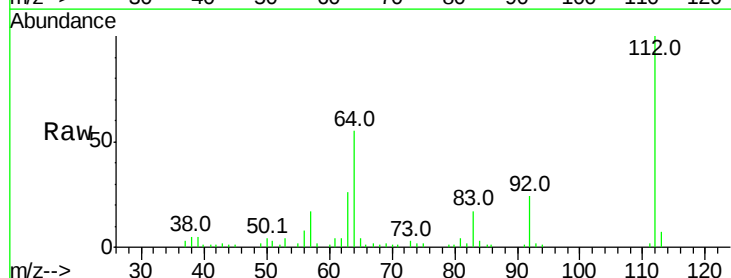
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 6.459 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.06 min
Lab File: BF099063.D
Acq: 4 Oct 2017 6:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	47.9	71.9
63	26.5	23.7	35.5

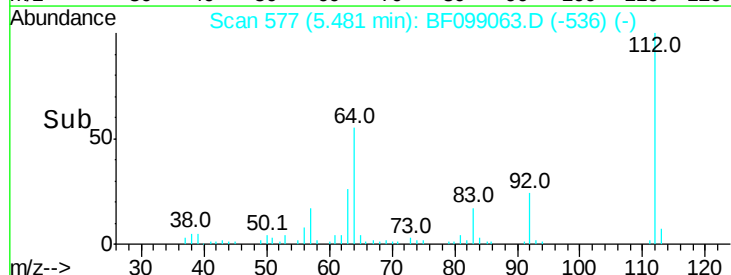
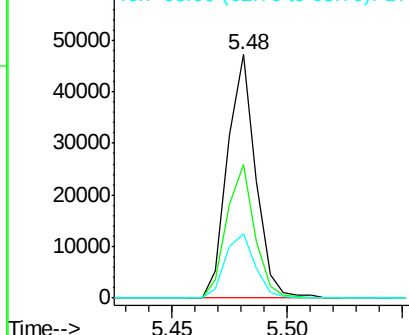


Abundance

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: 6.217 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.06 min

Lab File: BF099063.D

Acq: 4 Oct 2017 6:56

Instrument :

BNA_F

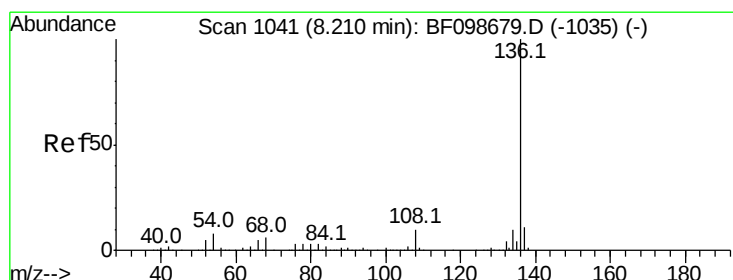
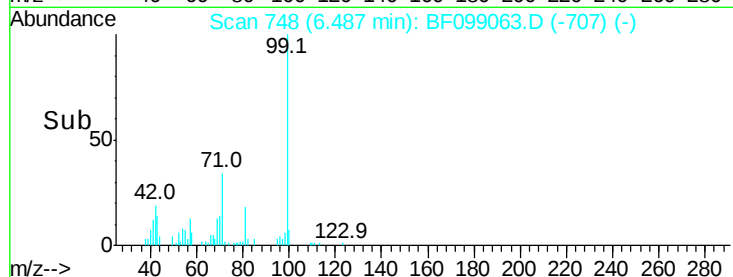
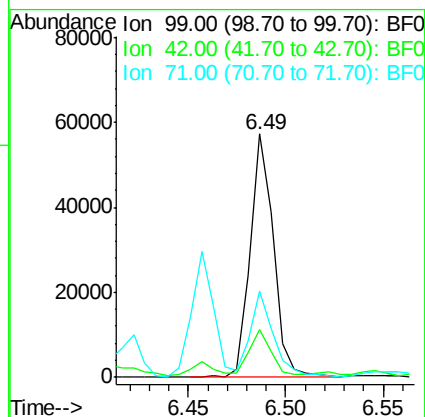
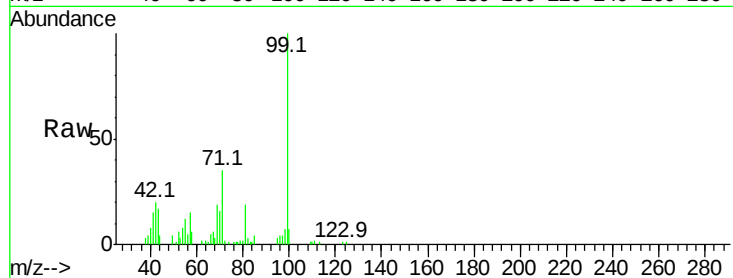
ClientSampleId :

G-63A-3-6DL

Tot Ion:	99	Resp:	47471
Ion Ratio	Lower	Upper	
99	100		
42	19.8	14.5	21.7
71	35.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

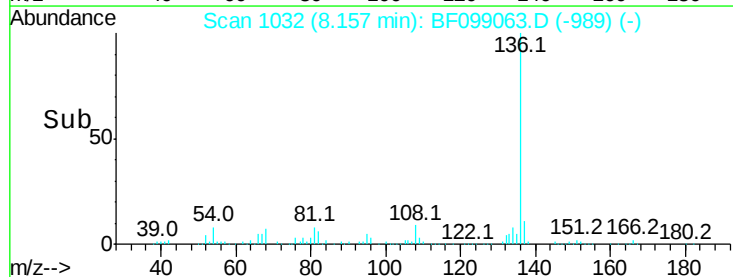
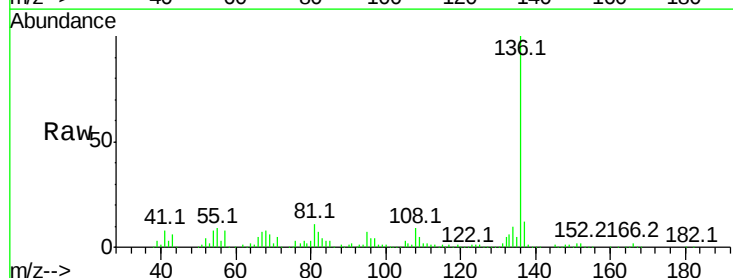
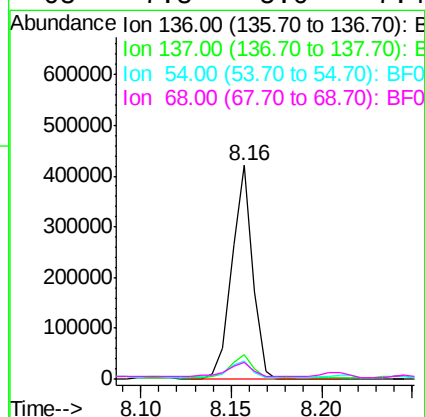
RT: 8.16 min Scan# 1032

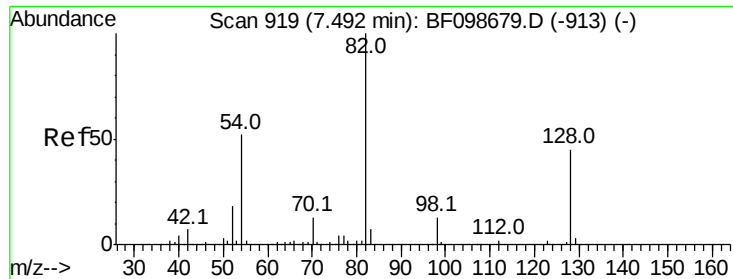
Delta R.T. -0.05 min

Lab File: BF099063.D

Acq: 4 Oct 2017 6:56

Tgt Ion:	136	Resp:	333389
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.9	13.3
54	8.5	6.6	9.8
68	7.8	5.0	7.4#





#23

Nitrobenzene-d5

Concen: 6.614 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.06 min

Lab File: BF099063.D

Acq: 4 Oct 2017 6:56

Instrument :

BNA_F

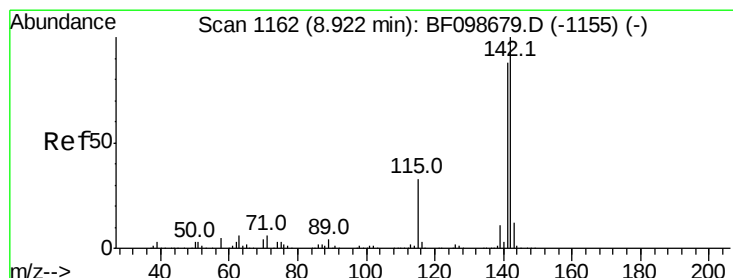
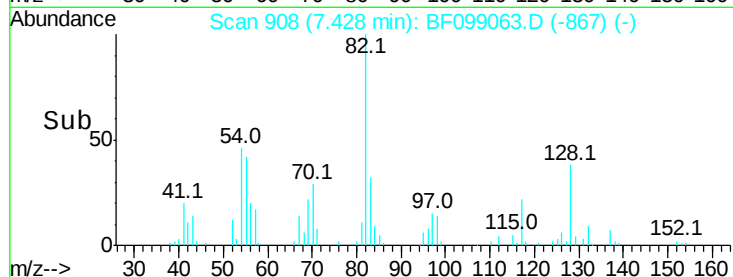
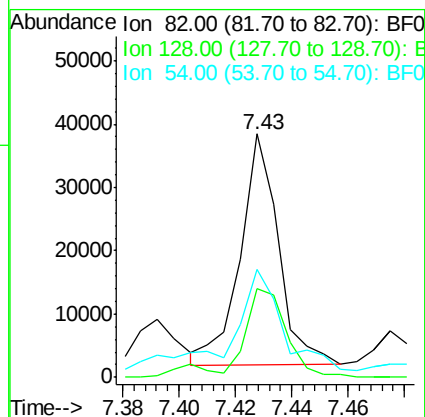
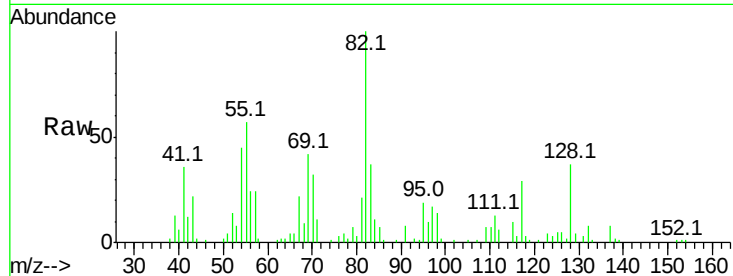
ClientSampled :

G-63A-3-6DL

Tot Ion:	82	Resp:	34386
Ion Ratio	Lower	Upper	
82	100		
128	36.5	36.1	54.1
54	44.5	41.4	62.2

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#37

2-Methylnaphthalene

Concen: 53.202 ng

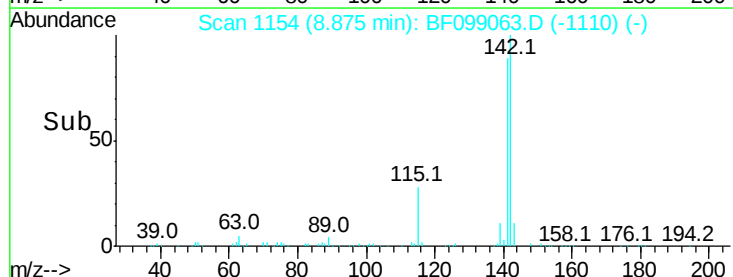
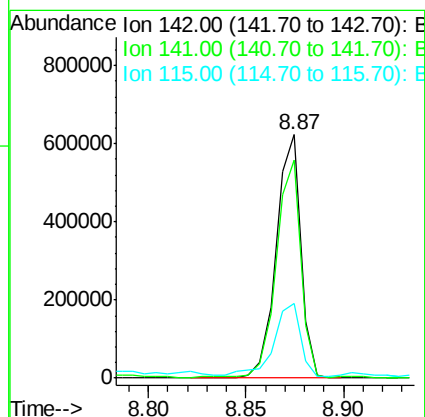
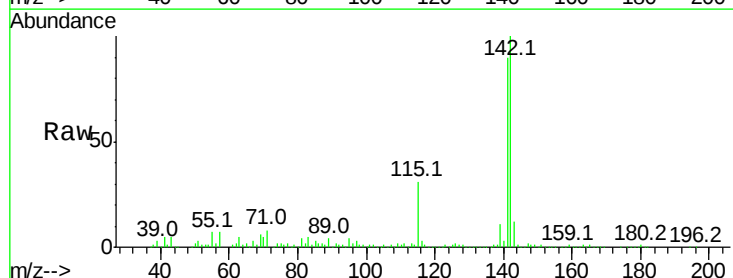
RT: 8.87 min Scan# 1154

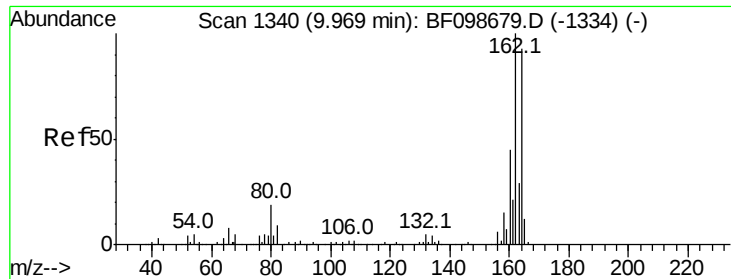
Delta R.T. -0.04 min

Lab File: BF099063.D

Acq: 4 Oct 2017 6:56

Tgt Ion:	142	Resp:	541544
Ion Ratio	Lower	Upper	
142	100		
141	89.6	70.8	106.2
115	30.6	26.1	39.1





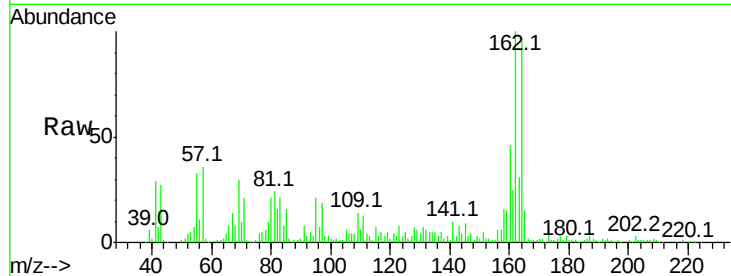
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.05 min
Lab File: BF099063.D
Acq: 4 Oct 2017 6:56

Instrument :
BNA_F
ClientSampleId :
G-63A-3-6DL

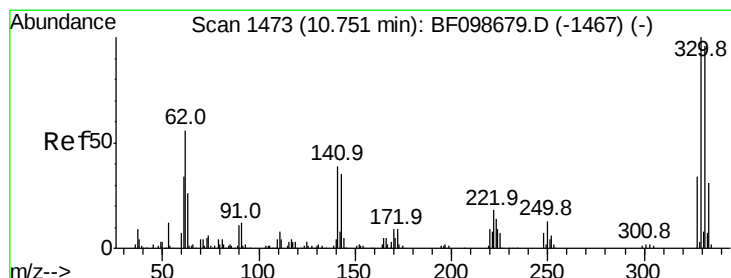
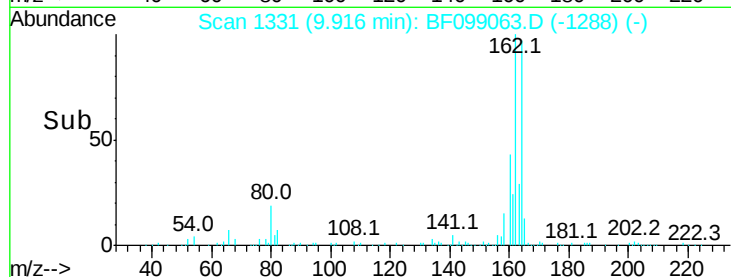
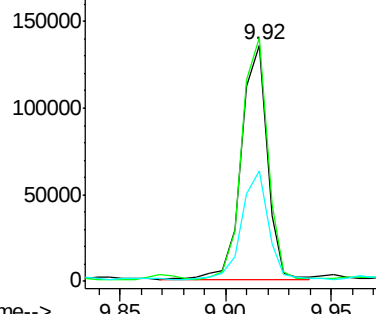
Tot Ion	Ratio	Resp	Lower	Upper
164	100	11554		
162	103.0	86.1	129.1	
160	47.0	38.3	57.5	

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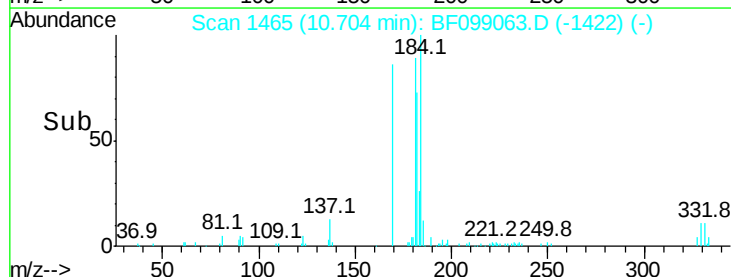
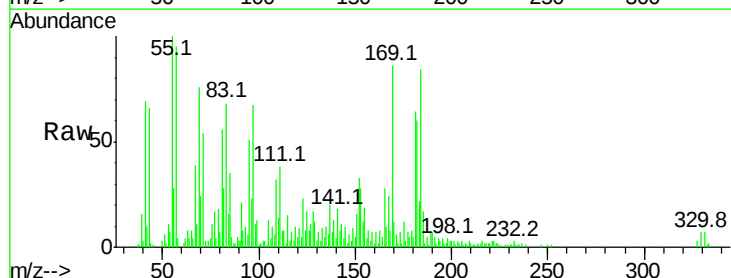
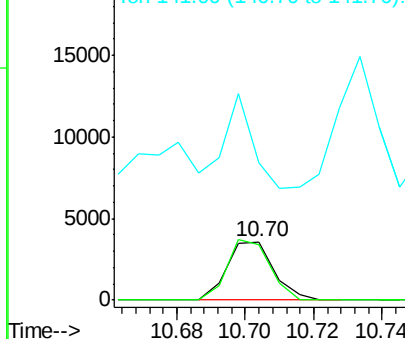
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

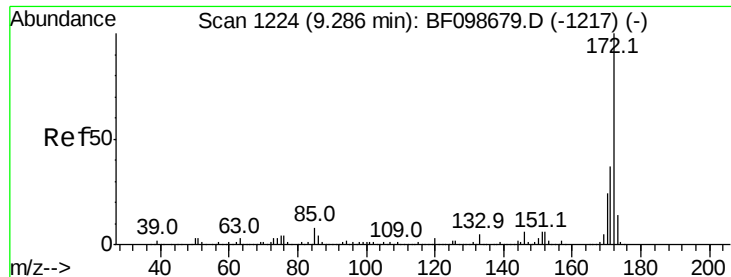


#41
2,4,6-Tribromophenol
Concen: 3.594 ng m
RT: 10.70 min Scan# 1465
Delta R.T. -0.05 min
Lab File: BF099063.D
Acq: 4 Oct 2017 6:56

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	3398		
332	0.0	77.0	115.6#	
141	0.0	29.9	44.9#	

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: 6.301 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.05 min

Lab File: BF099063.D

Acq: 4 Oct 2017 6:56

Instrument :

BNA_F

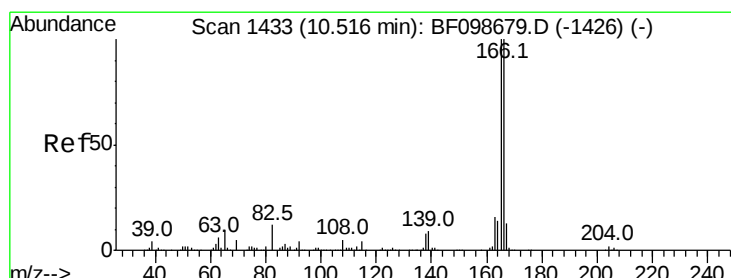
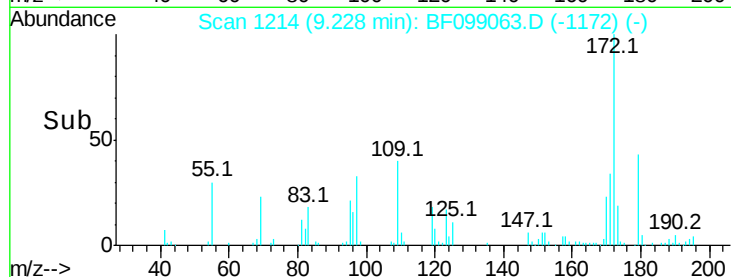
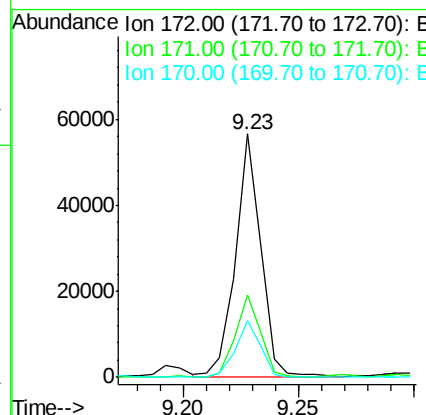
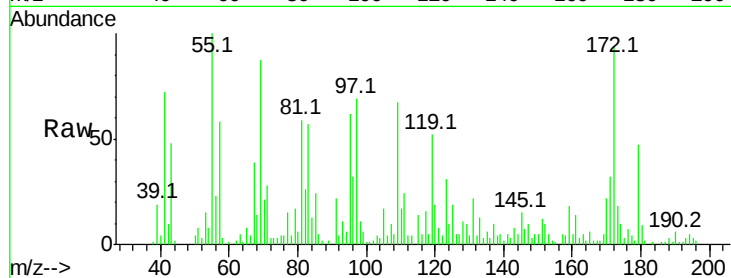
ClientSampleId :

G-63A-3-6DL

Tot Ion:	172	Resp:	43613
Ion Ratio	Lower	Upper	
172	100		
171	33.9	29.7	44.5
170	23.5	19.6	29.4

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#57

Fluorene

Concen: 10.208 ng

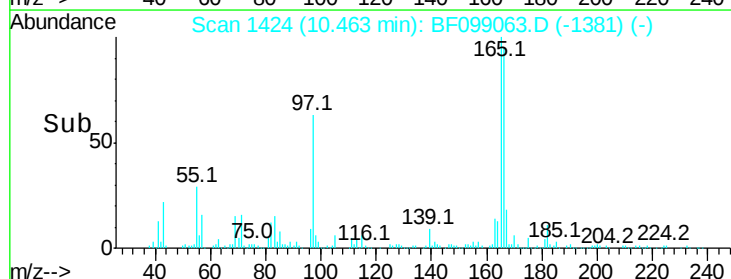
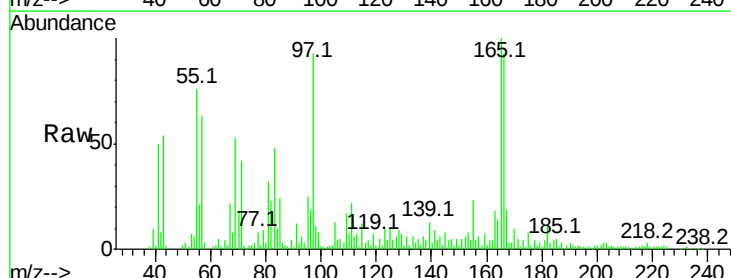
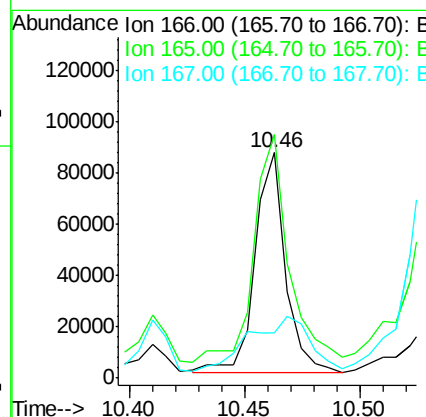
RT: 10.46 min Scan# 1424

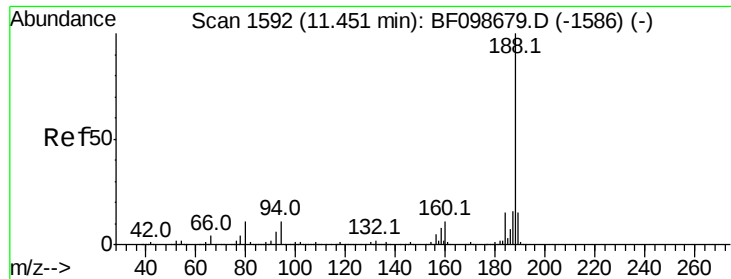
Delta R.T. -0.05 min

Lab File: BF099063.D

Acq: 4 Oct 2017 6:56

Tgt Ion:	166	Resp:	78987
Ion Ratio	Lower	Upper	
166	100		
165	108.1	79.8	119.8
167	20.2	10.6	16.0#





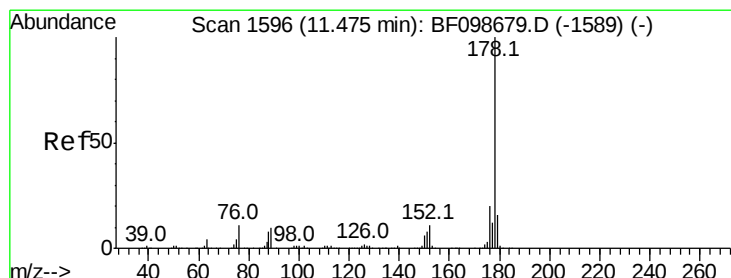
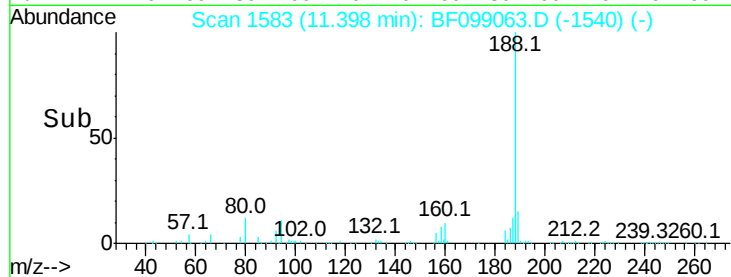
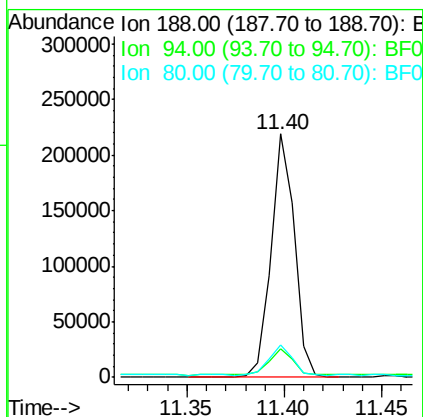
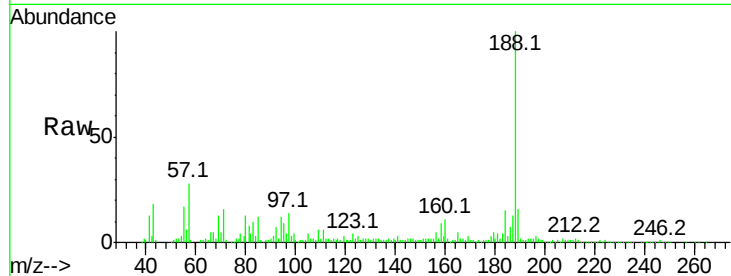
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.05 min
Lab File: BF099063.D
Acq: 4 Oct 2017 6:56

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
188	100	179944		
94	11.9	8.5	12.7	
80	13.2	9.2	13.8	

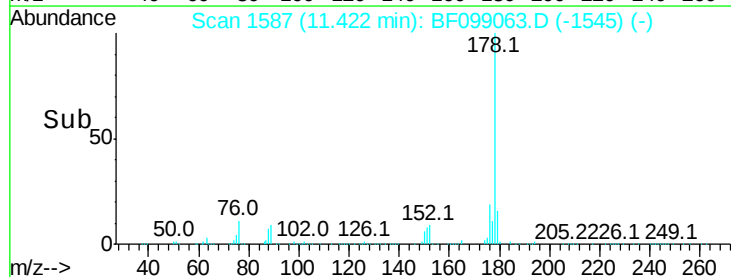
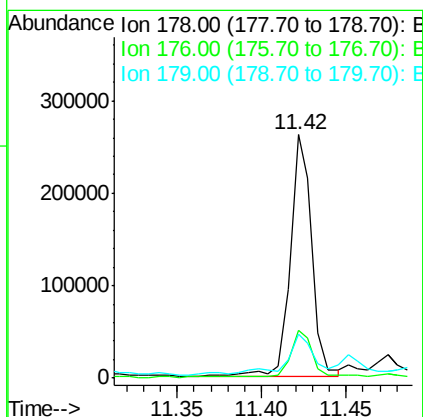
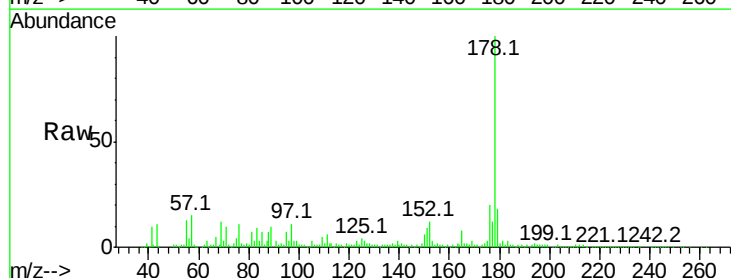
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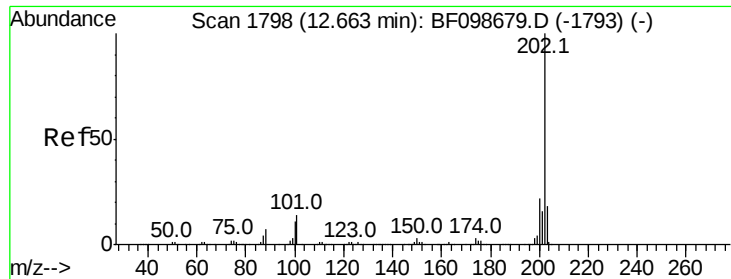
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#70
Phenanthrene
Concen: 24.301 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.05 min
Lab File: BF099063.D
Acq: 4 Oct 2017 6:56

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	234062		
176	19.6	15.8	23.8	
179	17.9	13.0	19.6	





#74

Fluoranthene

Concen: 2.432 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.05 min

Lab File: BF099063.D

Acq: 4 Oct 2017 6:56

Instrument :

BNA_F

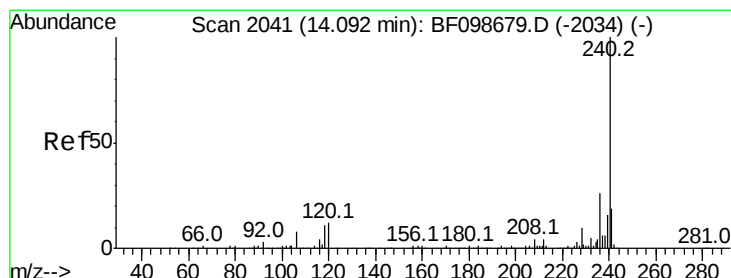
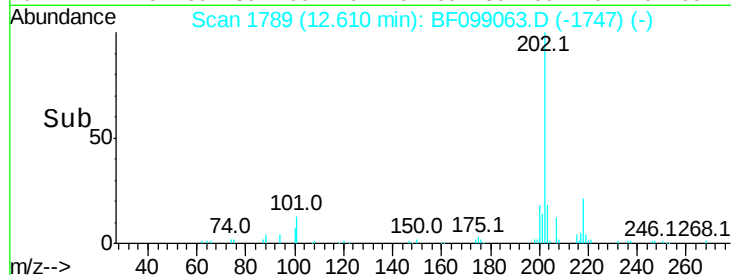
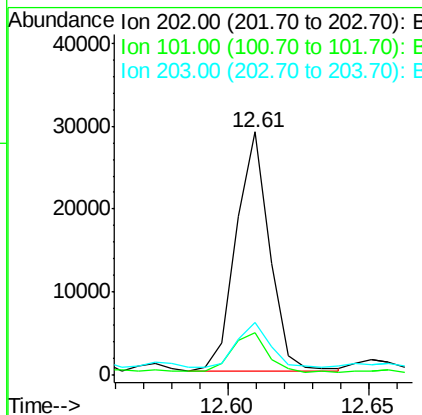
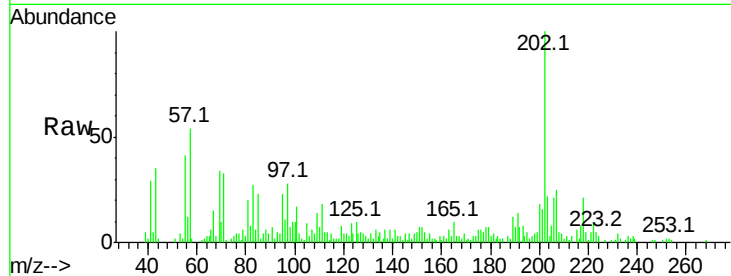
ClientSampleId :

G-63A-3-6DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	23719		
101	17.3	0.0	34.1	
203	21.6	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

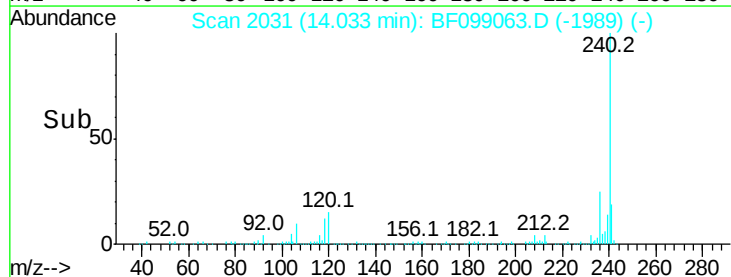
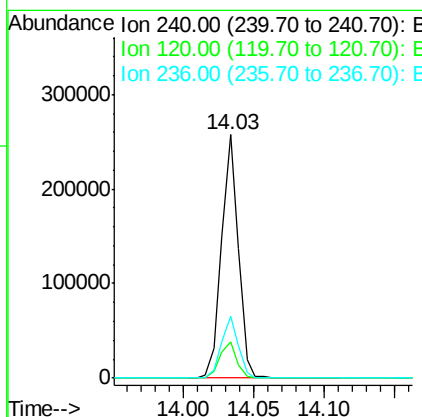
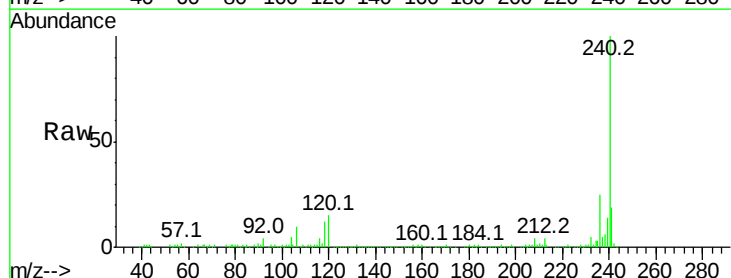
RT: 14.03 min Scan# 2031

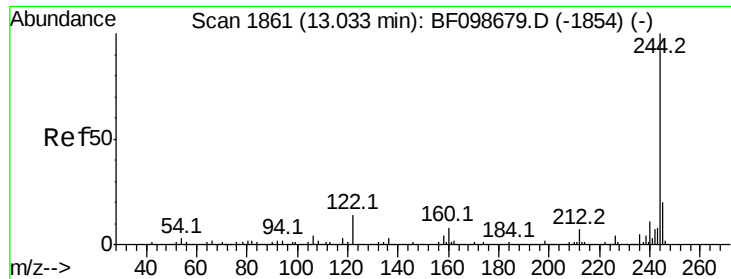
Delta R.T. -0.05 min

Lab File: BF099063.D

Acq: 4 Oct 2017 6:56

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	213927		
120	14.8	9.5	14.3#	
236	25.5	20.7	31.1	





#78

Terphenyl-d14

Concen: 3.697 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.06 min

Lab File: BF099063.D

Acq: 4 Oct 2017 6:56

Instrument :

BNA_F

ClientSampleId :

G-63A-3-6DL

Tot Ion:244 Resp: 34778

Ion Ratio Lower Upper

244 100

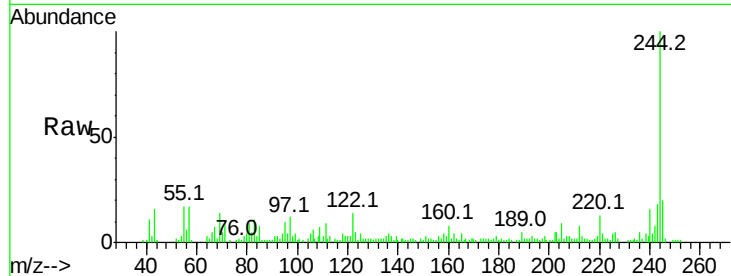
212 7.8 5.4 8.0

122 13.8 11.0 16.4

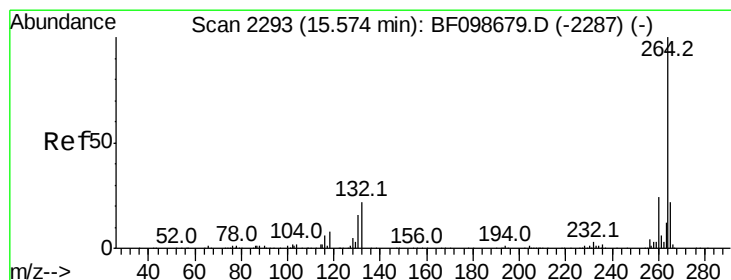
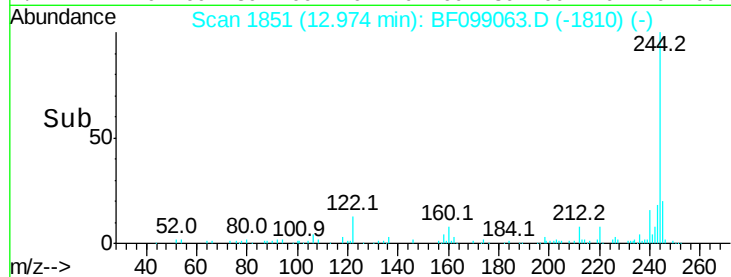
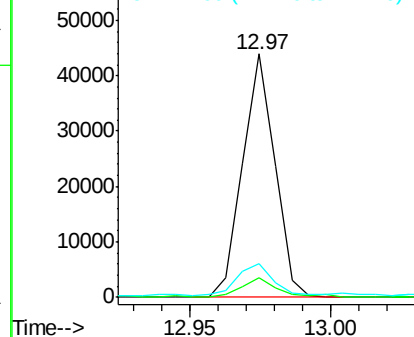
Manual Integrations
APPROVED

Sohil

10/4/2017 7:21:39 PM



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.51 min Scan# 2282

Delta R.T. -0.06 min

Lab File: BF099063.D

Acq: 4 Oct 2017 6:56

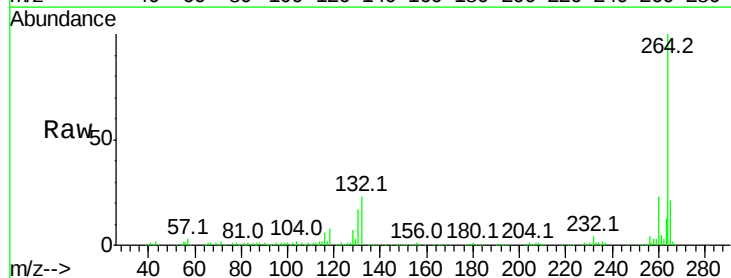
Tgt Ion:264 Resp: 209618

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 20.7 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

