

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
 Data File : BF099012.D
 Acq On : 2 Oct 2017 21:01
 Operator : SJ/JU
 Sample : I5531-07 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-63-2.5-5

Manual Integrations
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Quant Time: Oct 03 12:22:50 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	111717	20.00	ng	-0.02
21) Naphthalene-d8	8.20	136	287851	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	69800	20.00	ng	0.03
63) Phenanthrene-d10	11.47	188	118575	20.00	ng	0.03
75) Chrysene-d12	14.09	240	223211	20.00	ng	0.00
86) Perylene-d12	15.58	264	249957	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	425005	60.56	ng	-0.02
7) Phenol-d6	6.53	99	496351	57.33	ng	-0.02
23) Nitrobenzene-d5	7.47	82	289796	64.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.78	330	33573	58.78	ng	0.03
44) 2-Fluorobiphenyl	9.29	172	243110	58.14	ng	0.01
78) Terphenyl-d14	13.03	244	260231	26.51	ng	0.00
Target Compounds						
31) Naphthalene	8.22	128	56208	4.158	ng	# 33
37) 2-Methylnaphthalene	8.93	142	933184	106.181	ng	95
48) Acenaphthylene	9.85	152	55821	8.096	ng	# 1
51) Acenaphthene	10.02	154	115272	26.392	ng	# 65
54) Dibenzofuran	10.20	168	112945m	19.422	ng	
57) Fluorene	10.55	166	186996	40.006	ng	# 75
70) Phenanthrene	11.50	178	720972	113.593	ng	# 94
71) Anthracene	11.55	178	127416	19.620	ng	# 78
74) Fluoranthene	12.68	202	395599	61.552	ng	97
77) Pyrene	12.91	202	463391	27.225	ng	96
80) Benzo(a)anthracene	14.07	228	175362	12.974	ng	# 94
82) Chrysene	14.11	228	172094	13.374	ng	# 94
85) Indeno(1,2,3-cd)pyrene	17.08	276	82571	8.022	ng	99
87) Benzo(b)fluoranthene	15.14	252	240248m	15.633	ng	
88) Benzo(k)fluoranthene	15.16	252	55107m	3.630	ng	
89) Benzo(a)pyrene	15.51	252	165342	11.721	ng	# 88
91) Benzo(a,h,i)perylene	17.54	276	83247	7.460	ng	95

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

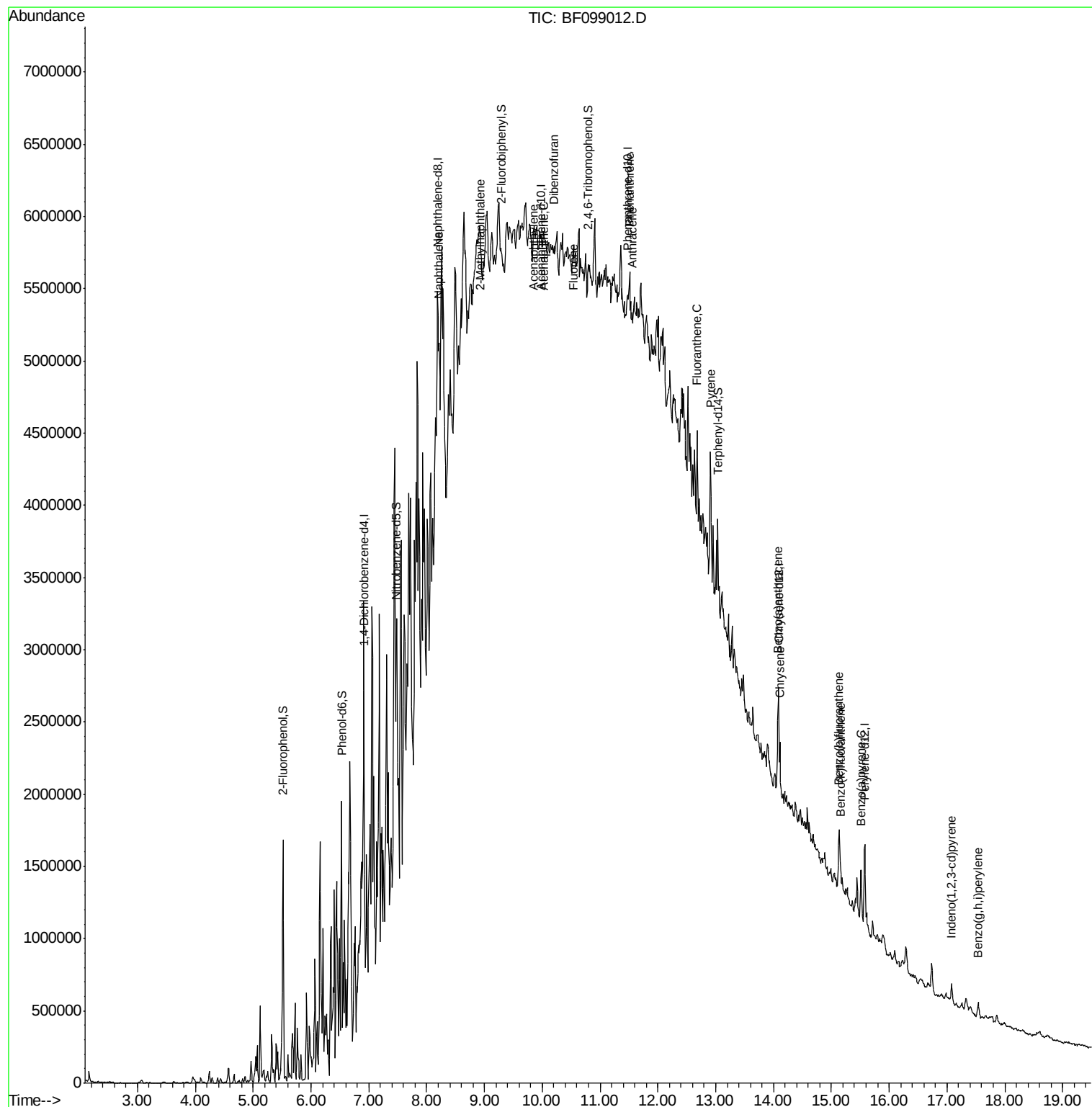
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
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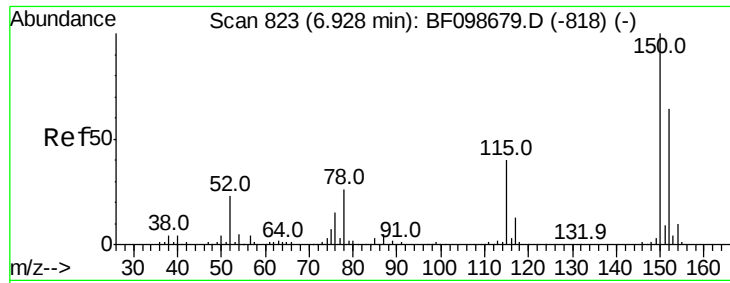
Instrument :
BNA_F
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G-63-2.5-5

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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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#1

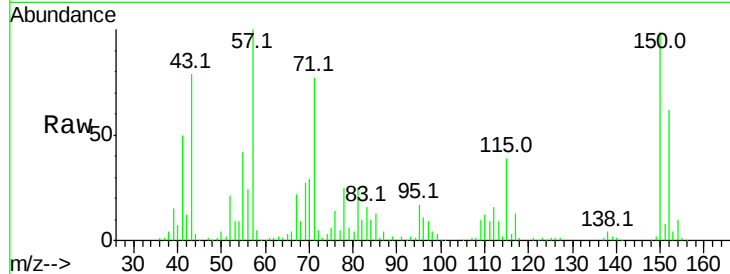
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF099012.D
Acq: 2 Oct 2017 21:01

Instrument :
BNA_F
ClientSampled :
G-63-2.5-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.6	186.8
115	62.8	50.1	75.1

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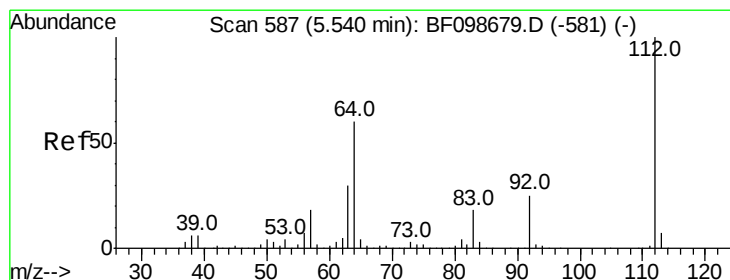
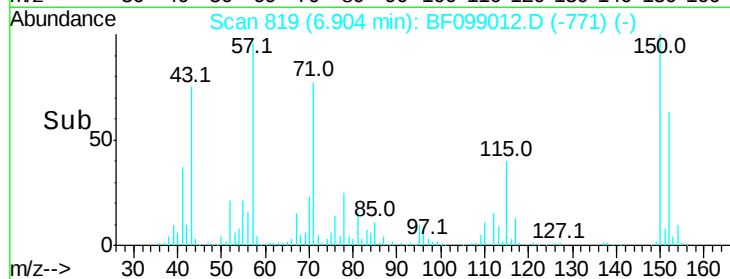
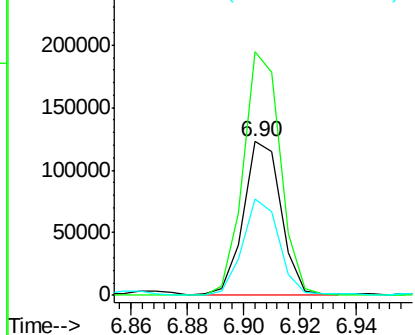


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

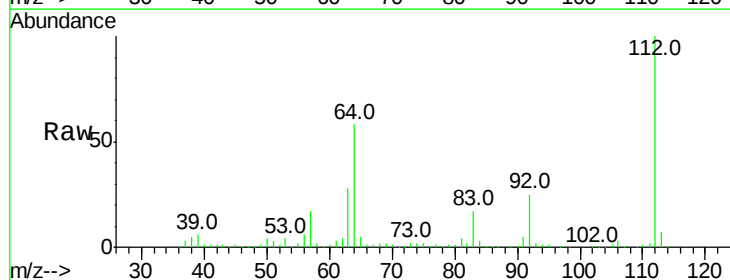
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 60.561 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.02 min
Lab File: BF099012.D
Acq: 2 Oct 2017 21:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	47.9	71.9
63	28.5	23.7	35.5

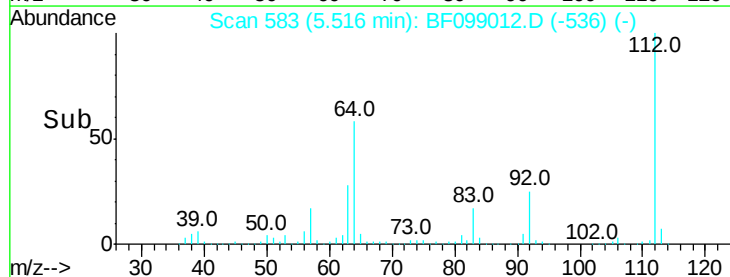
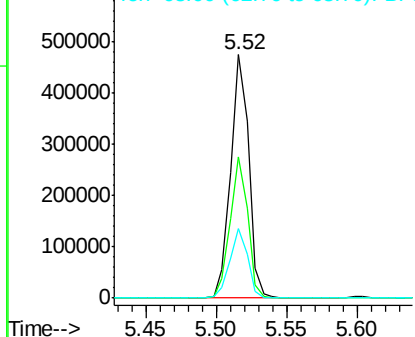


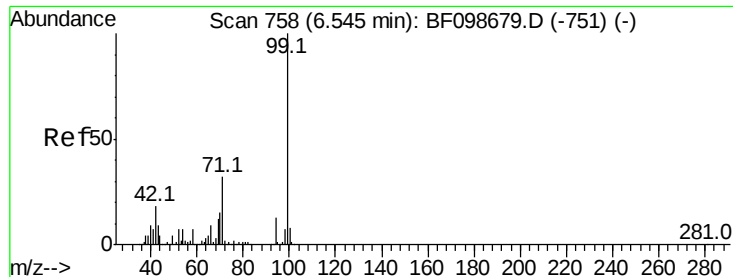
Abundance

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: 57.333 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF099012.D

Acq: 2 Oct 2017 21:01

Instrument :

BNA_F

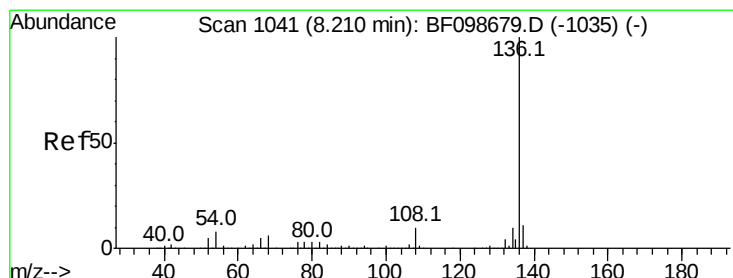
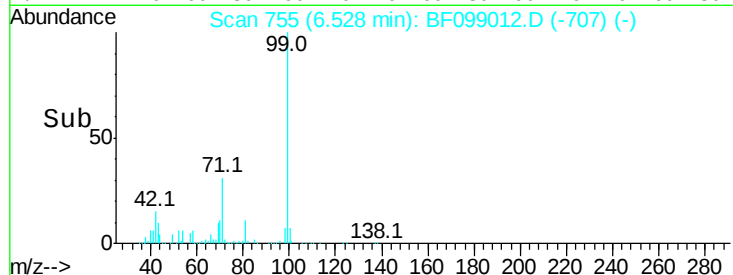
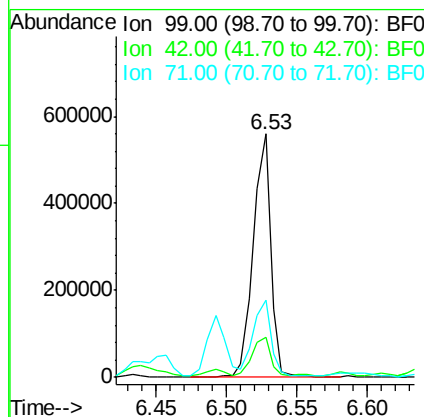
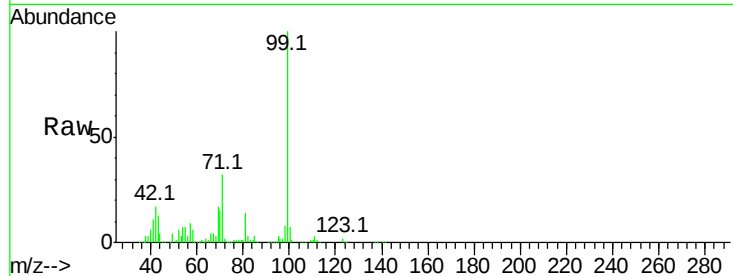
ClientSampleId :

G-63-2.5-5

Tot Ion	99	Resp	496351
Ion Ratio	Lower	Upper	
99	100		
42	16.5	14.5	21.7
71	31.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

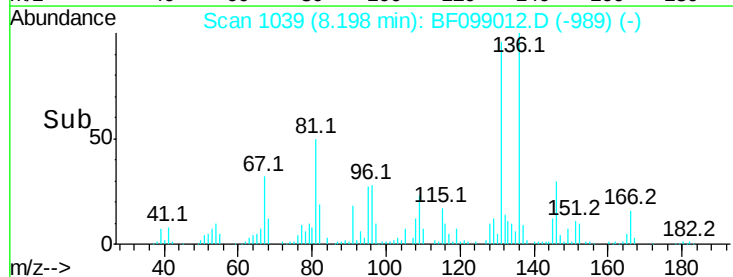
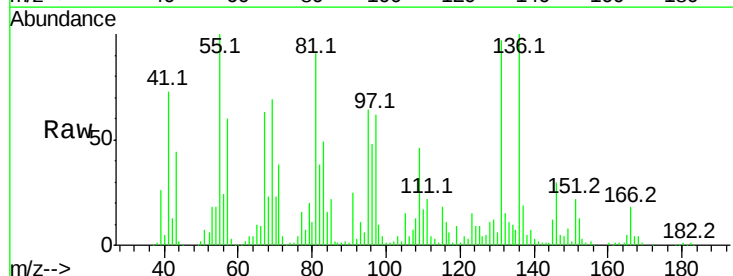
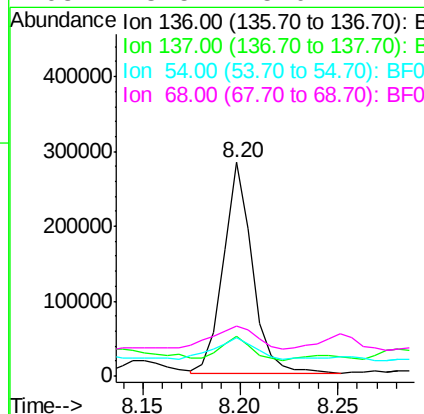
RT: 8.20 min Scan# 1039

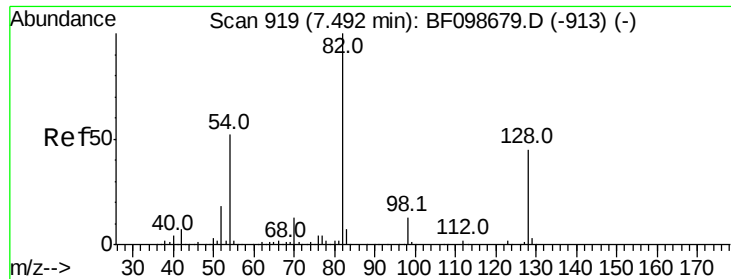
Delta R.T. -0.01 min

Lab File: BF099012.D

Acq: 2 Oct 2017 21:01

Tgt Ion	136	Resp	287851
Ion Ratio	Lower	Upper	
136	100		
137	18.7	8.9	13.3#
54	17.7	6.6	9.8#
68	23.5	5.0	7.4#





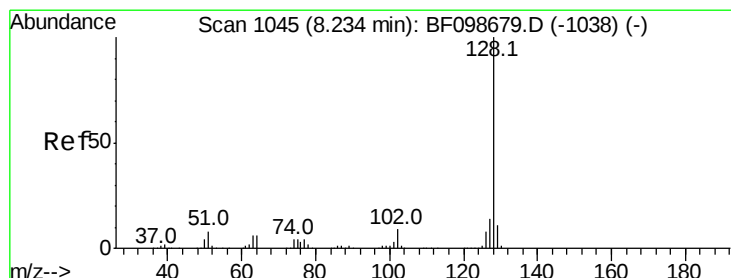
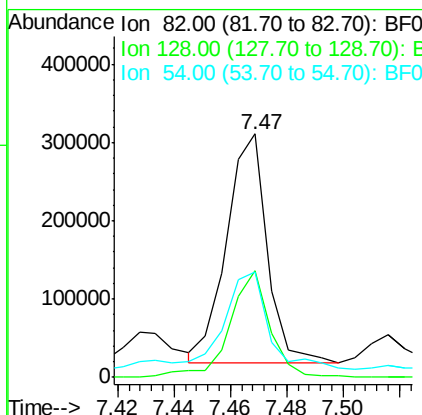
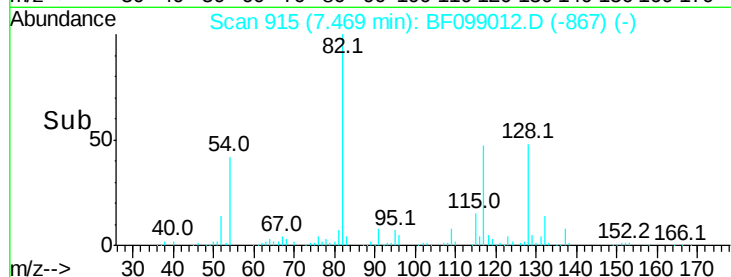
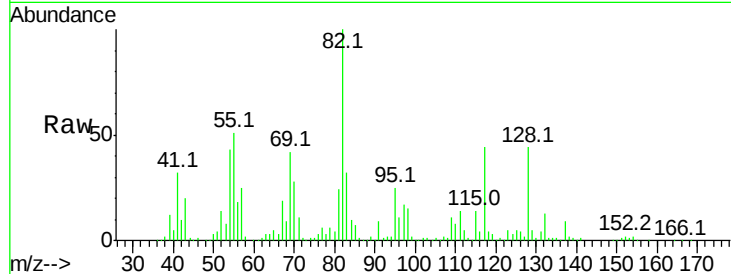
#23
Nitrobenzene-d5
Concen: 64.563 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.02 min
Lab File: BF099012.D
Acq: 2 Oct 2017 21:01

Instrument :
BNA_F
ClientSampleId :
G-63-2.5-5

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.9	36.1	54.1	
54	43.1	41.4	62.2	

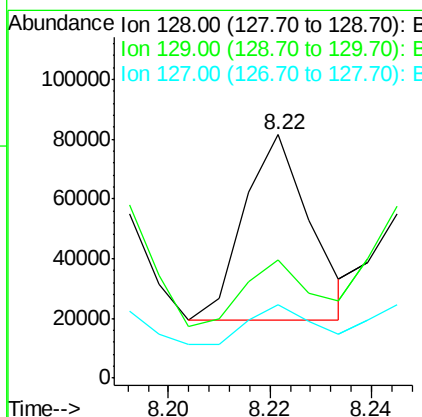
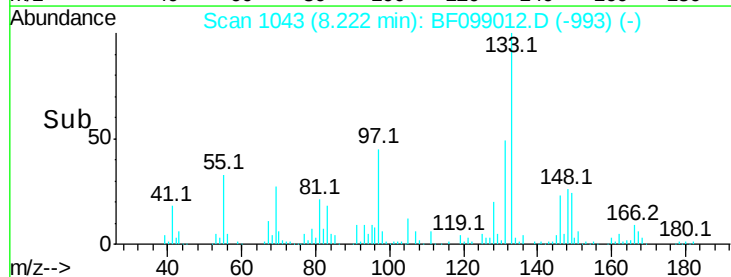
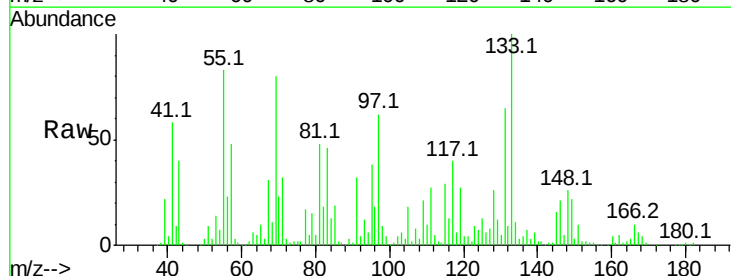
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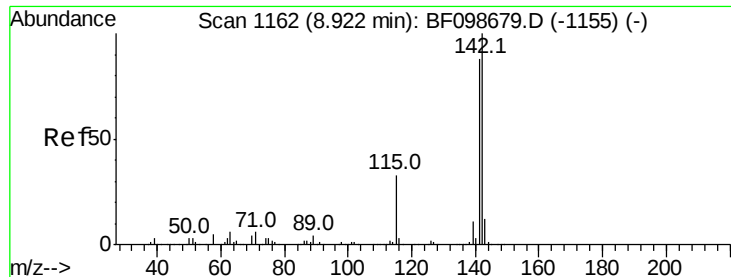
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#31
Naphthalene
Concen: 4.158 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF099012.D
Acq: 2 Oct 2017 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	48.4	8.8	13.2#	
127	30.1	10.9	16.3#	





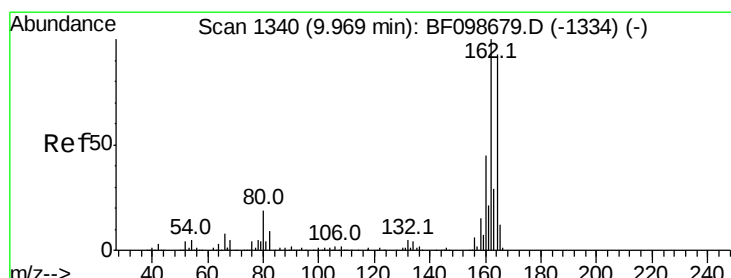
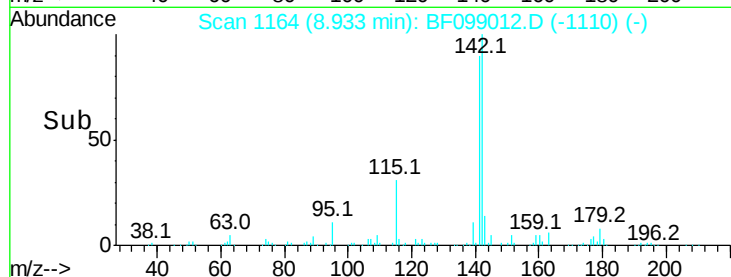
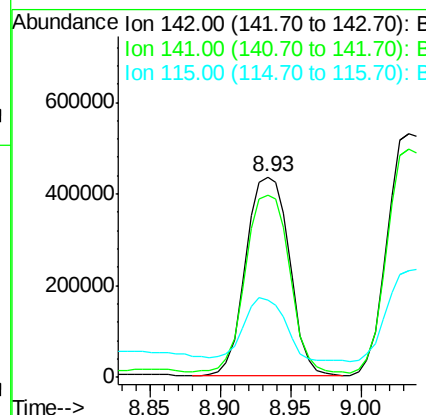
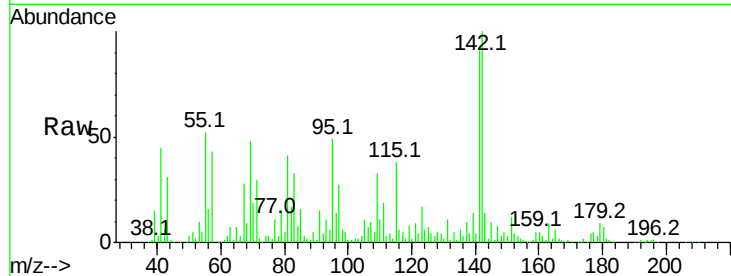
#37
2-Methylnaphthalene
Concen: 106.181 ng
RT: 8.93 min Scan# 1164
Delta R.T. 0.02 min
Lab File: BF099012.D
Acq: 2 Oct 2017 21:01

Instrument :
BNA_F
ClientSampleId :
G-63-2.5-5

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.2	70.8	106.2
115	38.4	26.1	39.1

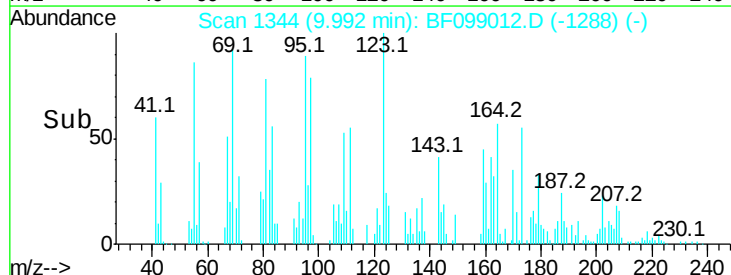
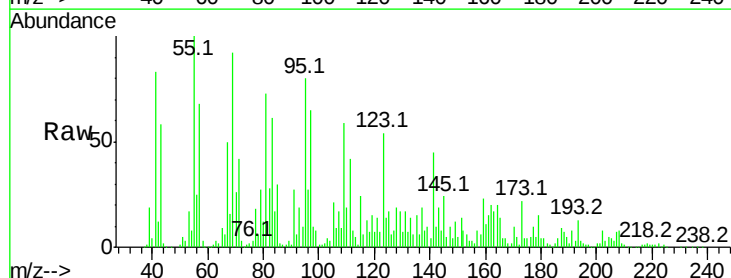
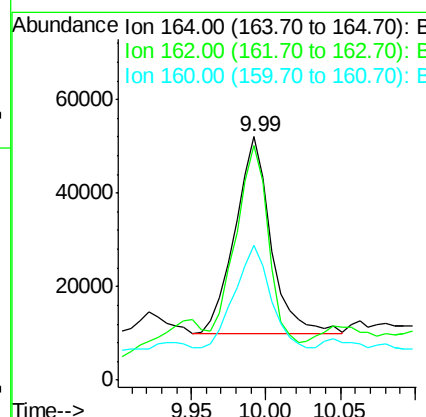
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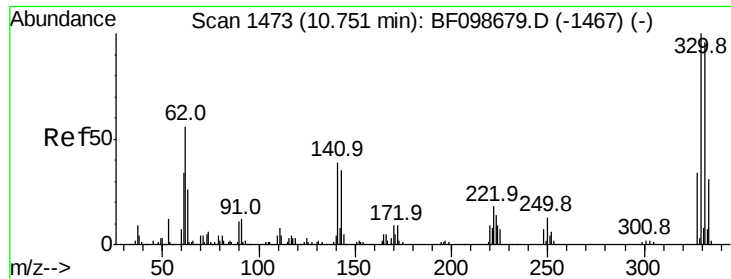
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.03 min
Lab File: BF099012.D
Acq: 2 Oct 2017 21:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.3	86.1	129.1
160	55.2	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 58.781 ng

RT: 10.78 min Scan# 1478

Delta R.T. 0.03 min

Lab File: BF099012.D

Acq: 2 Oct 2017 21:01

Instrument :

BNA_F

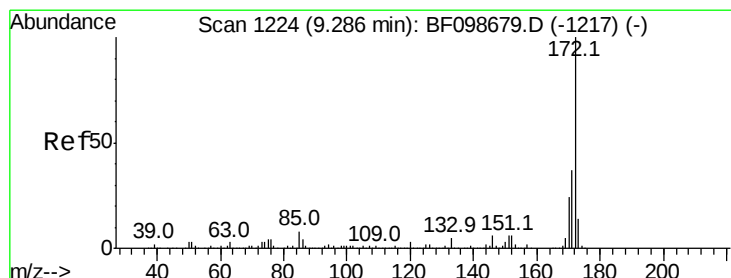
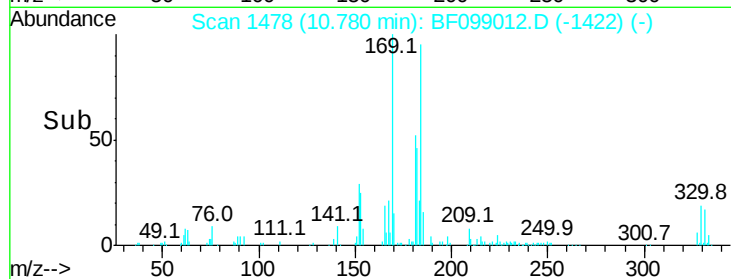
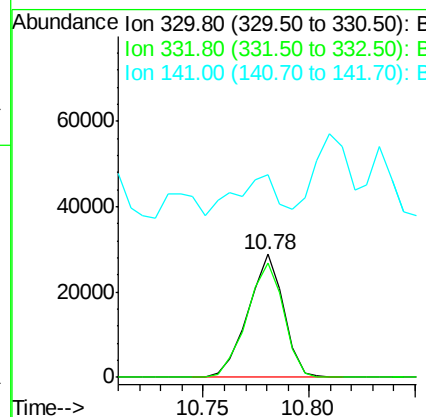
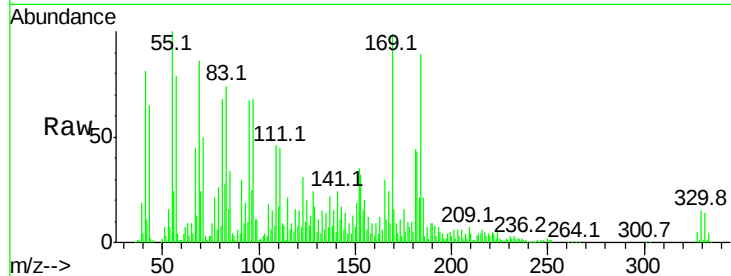
ClientSampleId :

G-63-2.5-5

Tot Ion:	330	Resp:	33573
Ion Ratio	Lower	Upper	
330	100		
332	96.6	77.0	115.6
141	38.7	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 58.145 ng

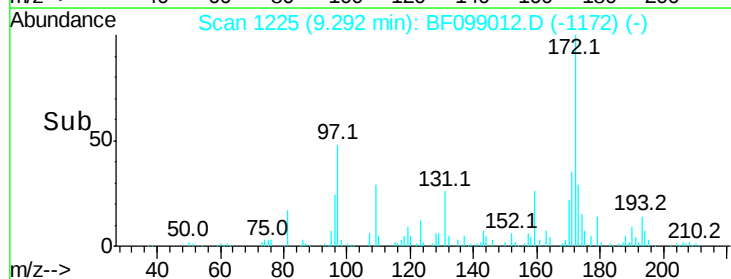
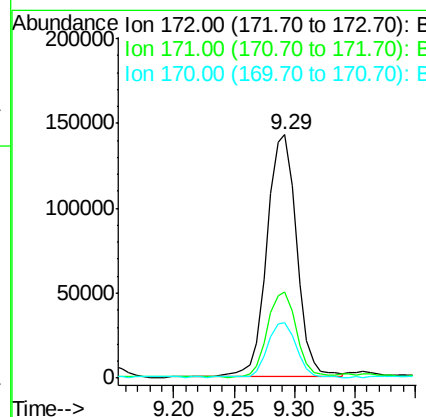
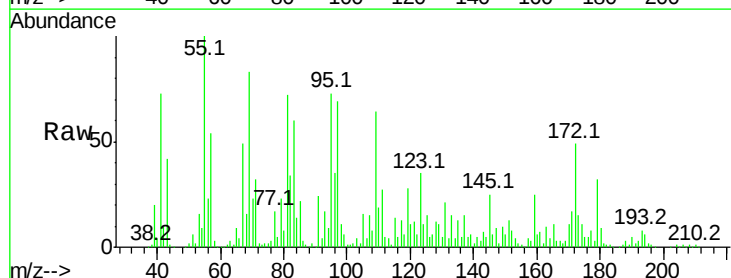
RT: 9.29 min Scan# 1225

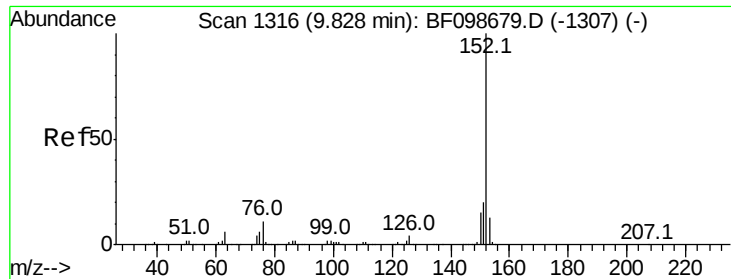
Delta R.T. 0.01 min

Lab File: BF099012.D

Acq: 2 Oct 2017 21:01

Tgt Ion:	172	Resp:	243110
Ion Ratio	Lower	Upper	
172	100		
171	35.3	29.7	44.5
170	22.8	19.6	29.4





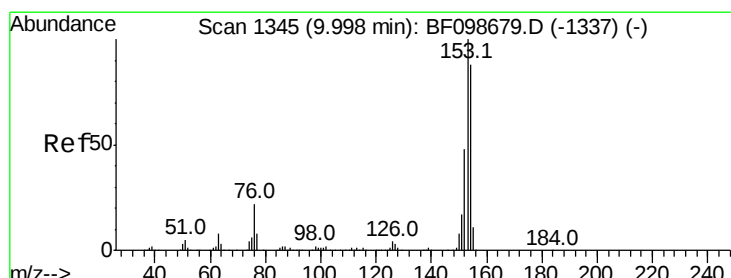
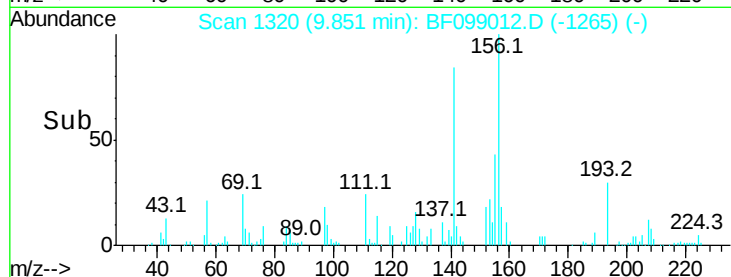
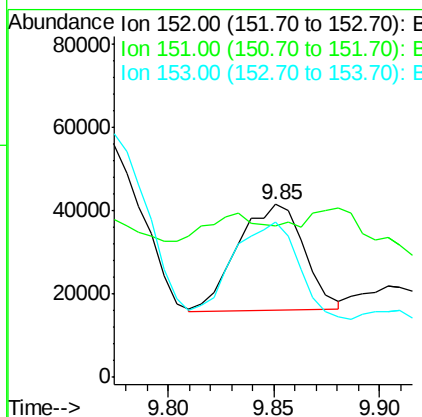
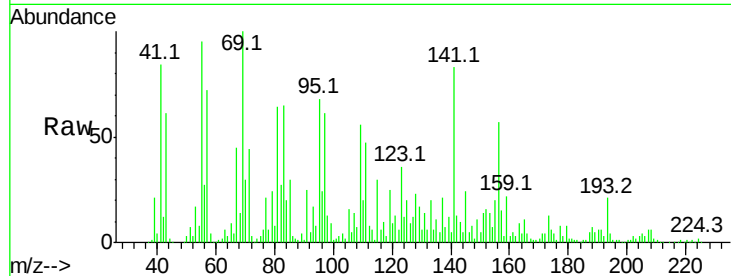
#48
Acenaphthylene
Concen: 8.096 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.02 min
Lab File: BF099012.D
Acq: 2 Oct 2017 21:01

Instrument :
BNA_F
ClientSampleId :
G-63-2.5-5

Tot Ion	Ratio	Lower	Upper
152	100		
151	87.6	16.3	24.5#
153	90.1	10.7	16.1#

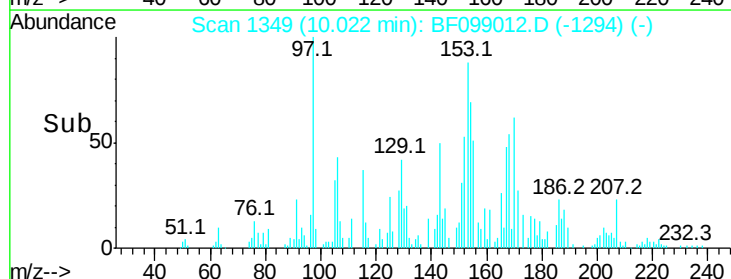
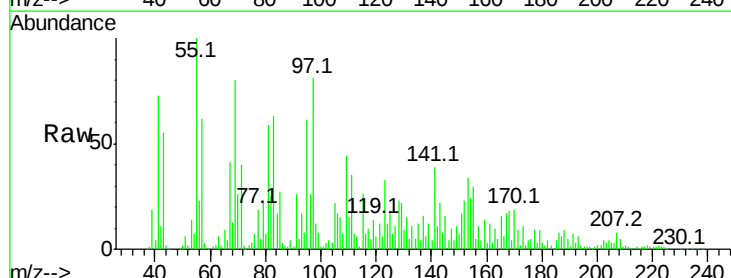
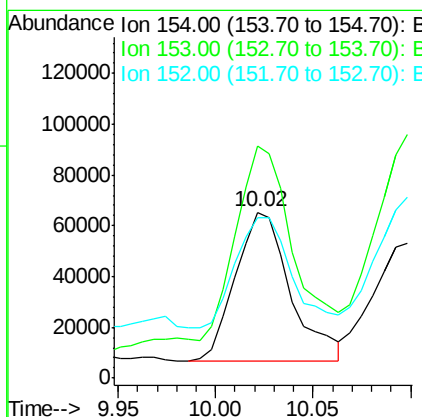
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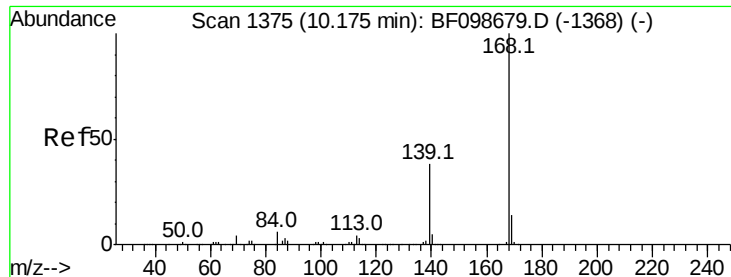
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#51
Acenaphthene
Concen: 26.392 ng
RT: 10.02 min Scan# 1349
Delta R.T. 0.02 min
Lab File: BF099012.D
Acq: 2 Oct 2017 21:01

Tgt Ion	Ratio	Lower	Upper
154	100		
153	139.5	91.2	136.8#
152	96.7	43.8	65.8#





#54

Dibenzofuran

Concen: 19.422 ng/mL

RT: 10.20 min Scan# 1379

Delta R.T. 0.03 min

Lab File: BF099012.D

Acq: 2 Oct 2017 21:01

Instrument :

BNA_F

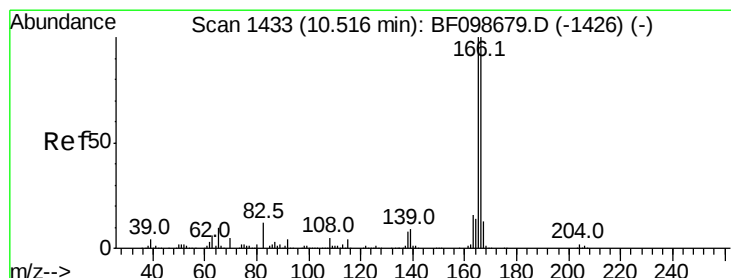
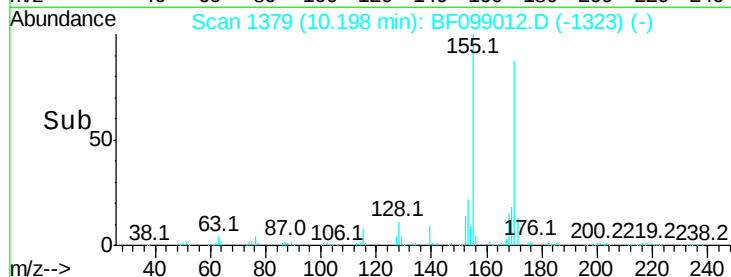
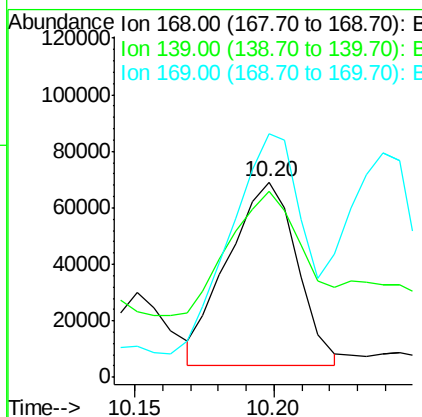
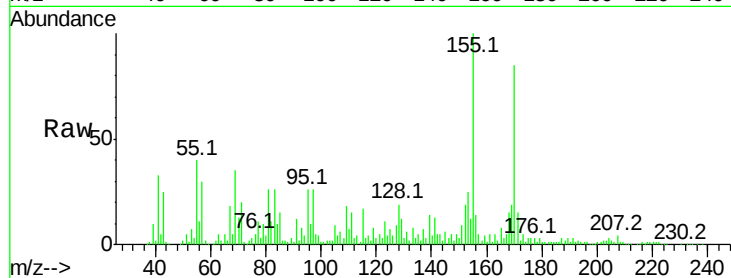
ClientSampled :

G-63-2.5-5

Tot Ion:	168	Resp:	112945
Ion Ratio	Lower	Upper	
168	100		
139	95.2	30.1	45.1#
169	124.7	10.9	16.3#

Manual Integrations
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#57

Fluorene

Concen: 40.006 ng/mL

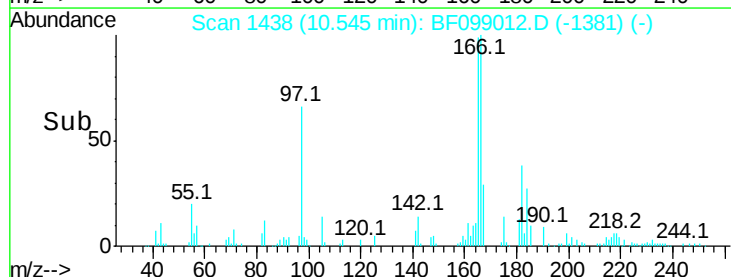
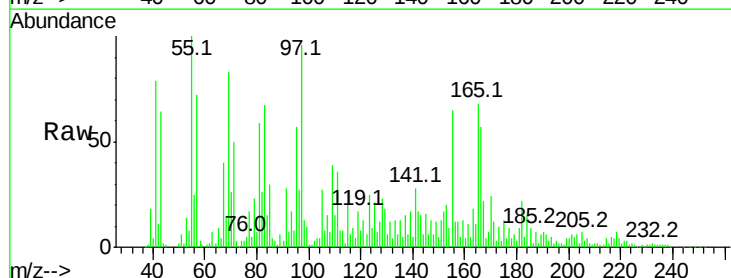
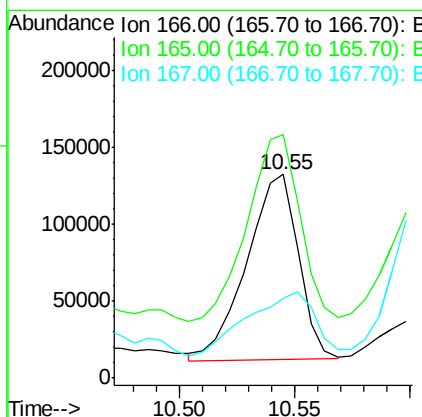
RT: 10.55 min Scan# 1438

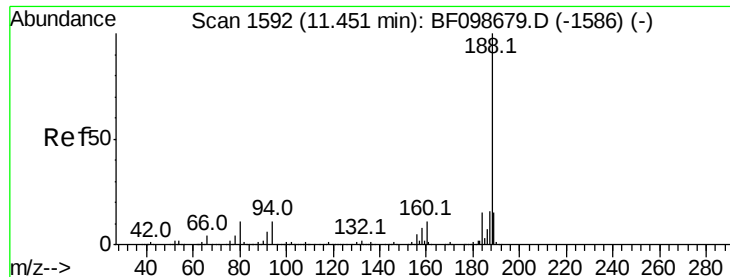
Delta R.T. 0.04 min

Lab File: BF099012.D

Acq: 2 Oct 2017 21:01

Tgt Ion:	166	Resp:	186996
Ion Ratio	Lower	Upper	
166	100		
165	119.6	79.8	119.8
167	38.9	10.6	16.0#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.47 min Scan# 1596

Delta R.T. 0.03 min

Lab File: BF099012.D

Acq: 2 Oct 2017 21:01

Instrument :

BNA_F

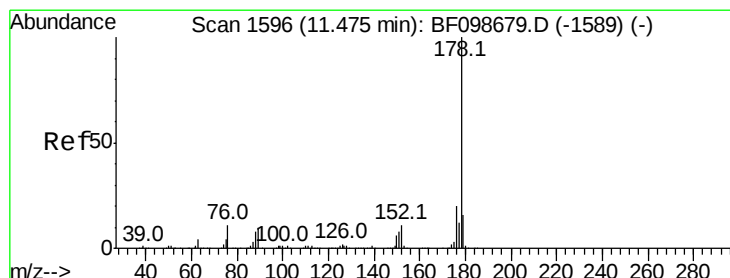
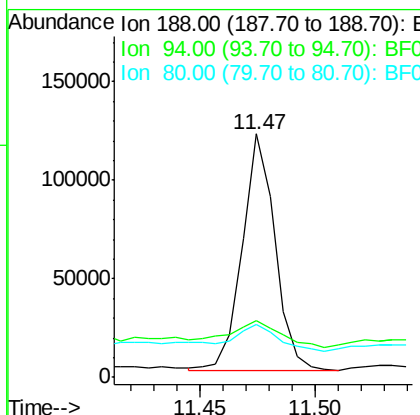
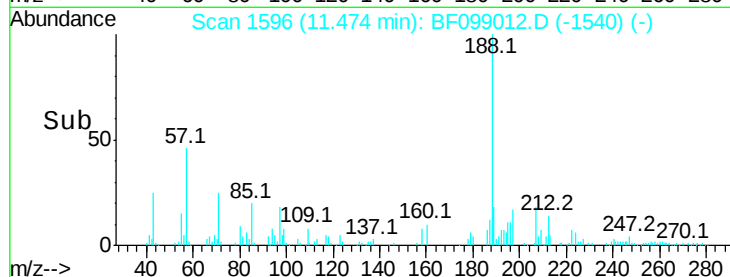
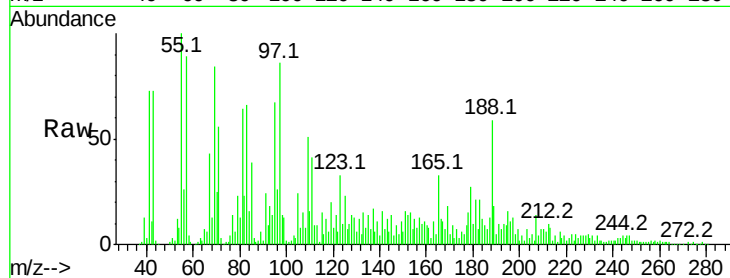
ClientSampleId :

G-63-2.5-5

Tot Ion:	188	Resp:	118575
Ion Ratio	Lower	Upper	
188	100		
94	23.6	8.5	12.7#
80	21.8	9.2	13.8#

Manual Integrations
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#70

Phenanthrene

Concen: 113.593 ng

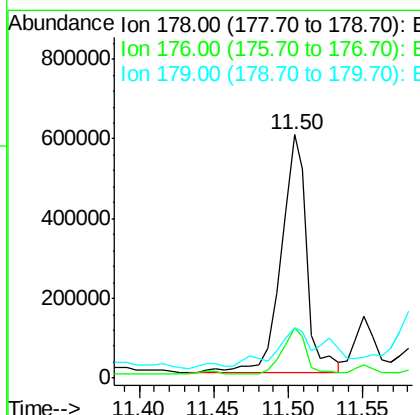
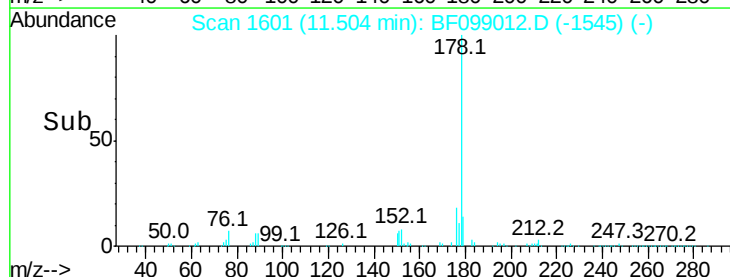
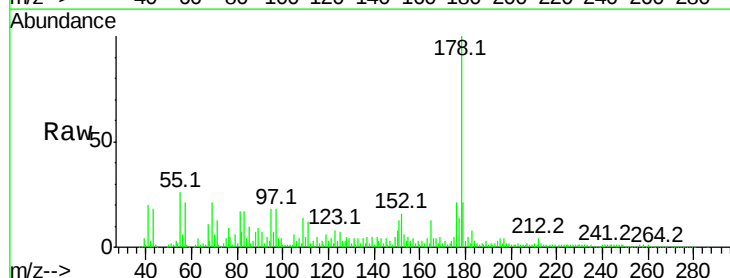
RT: 11.50 min Scan# 1601

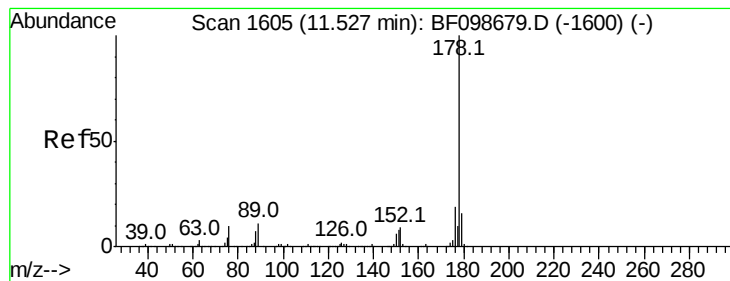
Delta R.T. 0.03 min

Lab File: BF099012.D

Acq: 2 Oct 2017 21:01

Tgt Ion:	178	Resp:	720972
Ion Ratio	Lower	Upper	
178	100		
176	20.7	15.8	23.8
179	20.5	13.0	19.6#





#71

Anthracene

Concen: 19.620 ng

RT: 11.55 min Scan# 1609

Delta R.T. 0.02 min

Lab File: BF099012.D

Acq: 2 Oct 2017 21:01

Instrument :

BNA_F

ClientSampled :

G-63-2.5-5

Tot Ion:178 Resp: 127416

Ion Ratio Lower Upper

178 100

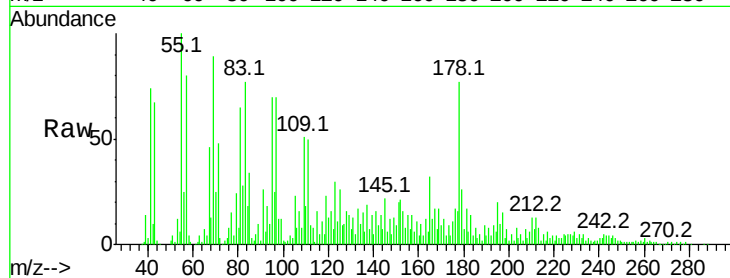
176 21.7 15.4 23.2

179 33.9 12.6 19.0#

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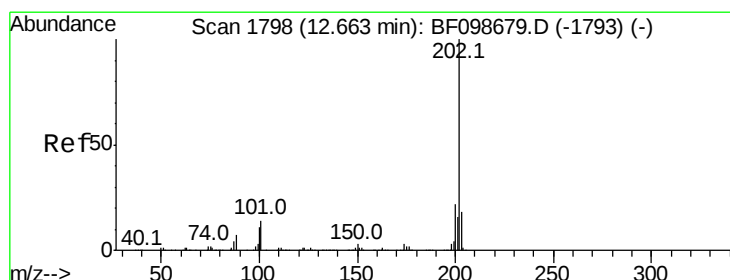
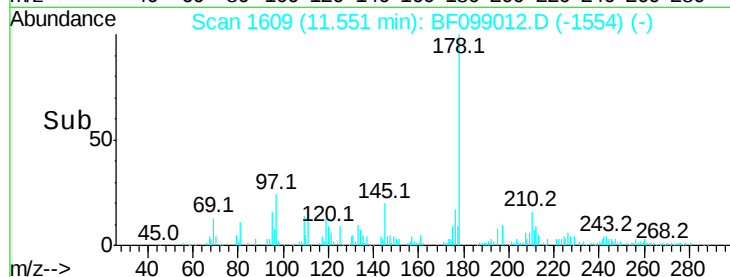
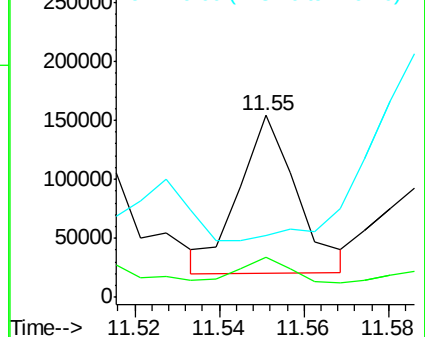
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 61.552 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.02 min

Lab File: BF099012.D

Acq: 2 Oct 2017 21:01

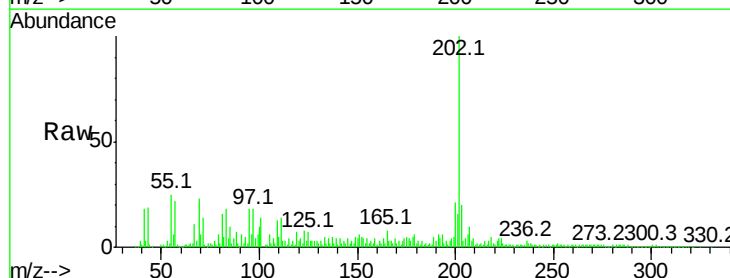
Tgt Ion:202 Resp: 395599

Ion Ratio Lower Upper

202 100

101 14.3 0.0 34.1

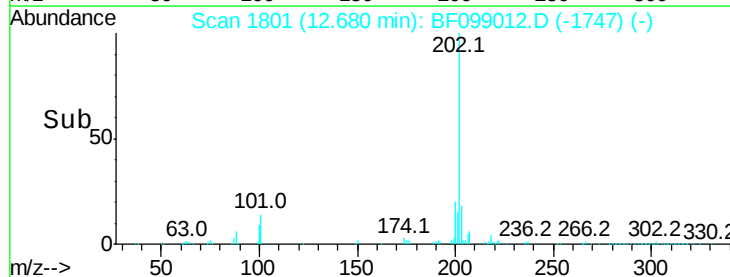
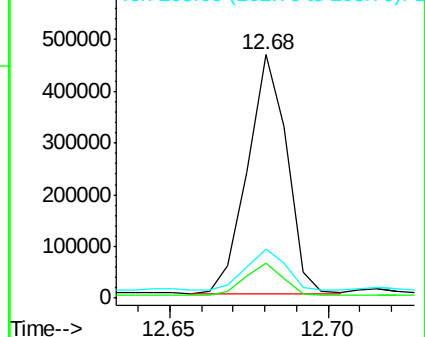
203 20.1 0.0 38.1

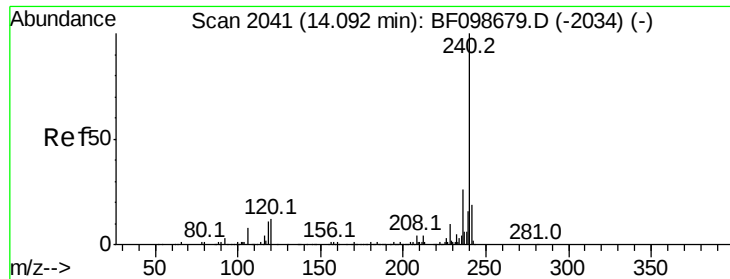


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.09 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BF099012.D

Acq: 2 Oct 2017 21:01

Instrument :

BNA_F

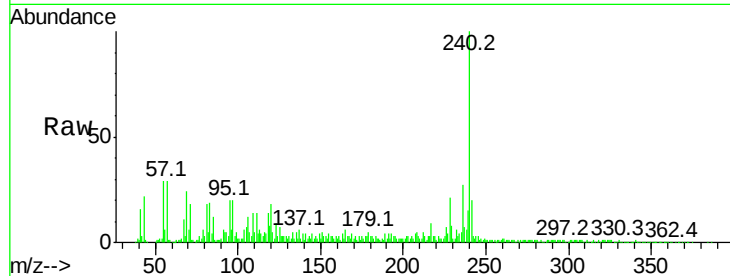
ClientSampleId :

G-63-2.5-5

Tot Ion:	240	Resp:	223211
Ion Ratio	Lower	Upper	
240	100		
120	17.9	9.5	14.3#
236	26.9	20.7	31.1

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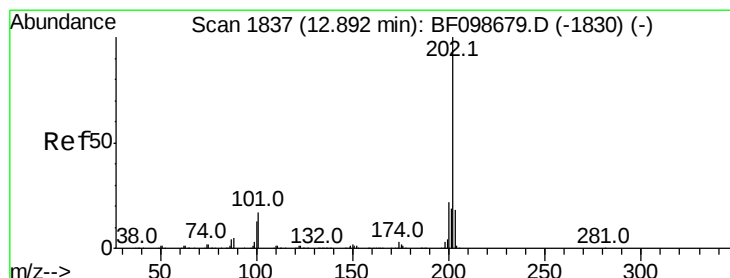
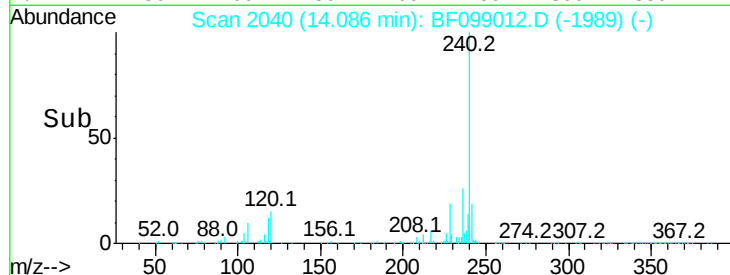
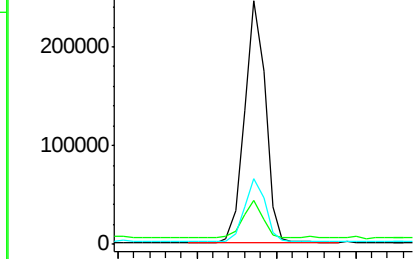
Sohil
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 27.225 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.02 min

Lab File: BF099012.D

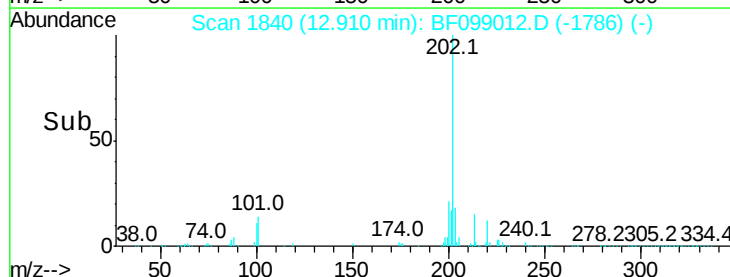
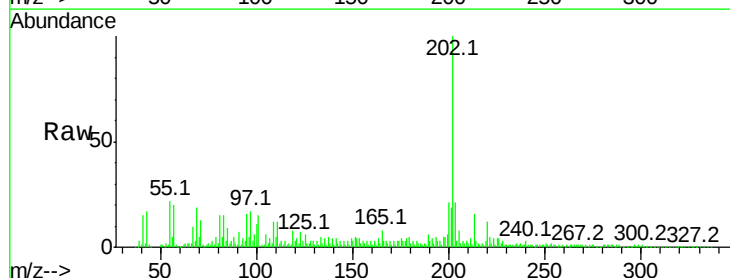
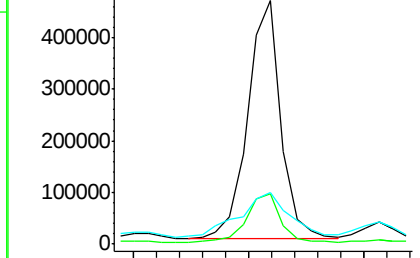
Acq: 2 Oct 2017 21:01

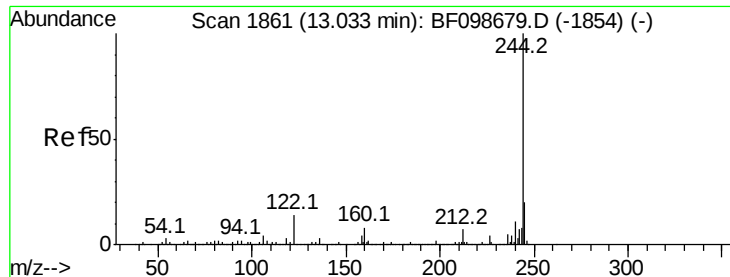
Tgt Ion:	202	Resp:	463391
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	21.2	14.3	21.5

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





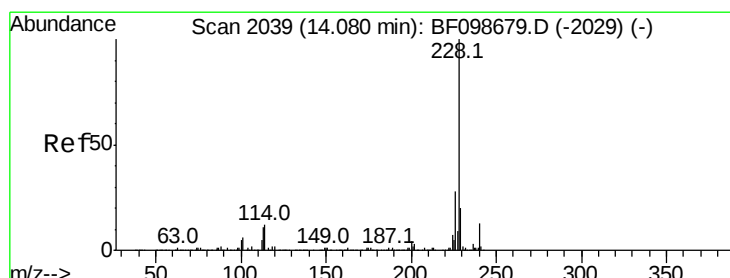
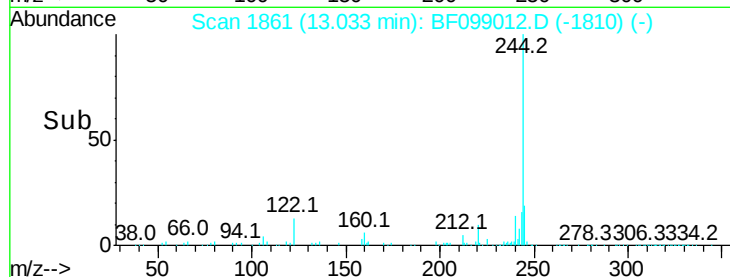
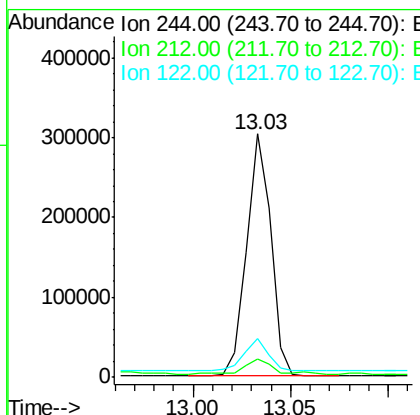
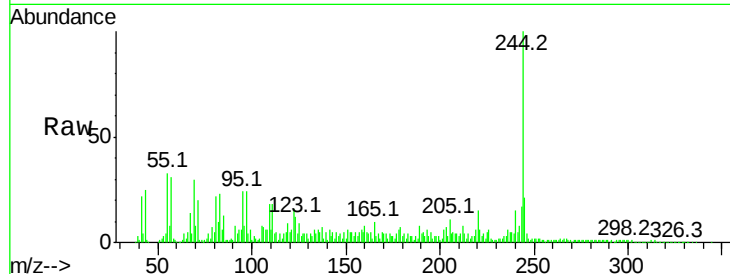
#78
 Terphenyl-d14
 Concen: 26.514 ng
 RT: 13.03 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: BF099012.D
 Acq: 2 Oct 2017 21:01

Instrument :
 BNA_F
 ClientSampleId :
 G-63-2.5-5

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.4	8.0
122	15.8	11.0	16.4

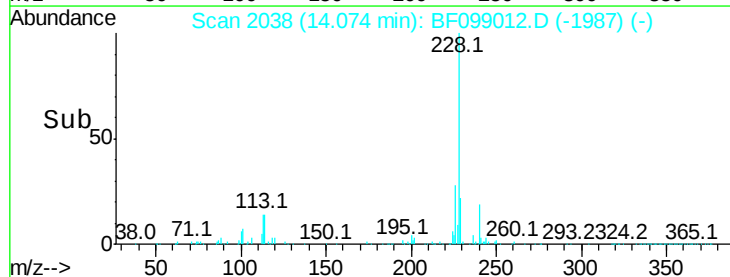
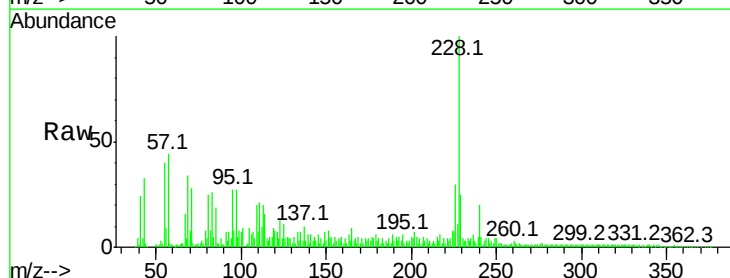
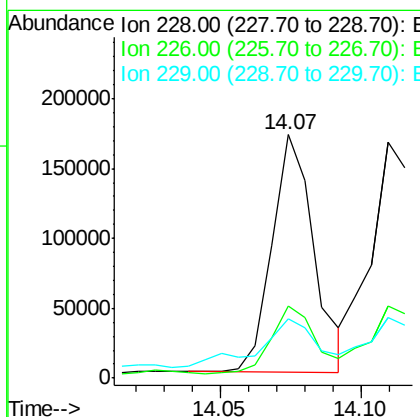
Manual Integrations
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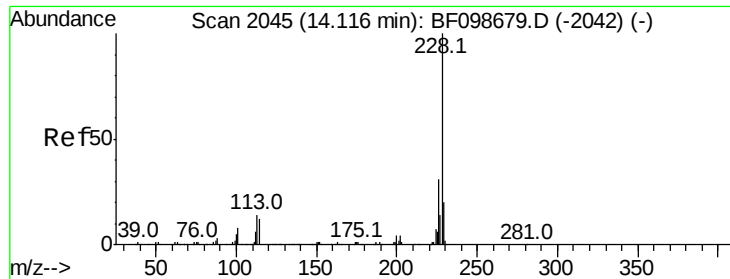
Sohil
 10/3/2017 6:50:56 PM



#80
 Benzo(a)anthracene
 Concen: 12.974 ng
 RT: 14.07 min Scan# 2038
 Delta R.T. -0.00 min
 Lab File: BF099012.D
 Acq: 2 Oct 2017 21:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	24.6	15.8	23.6





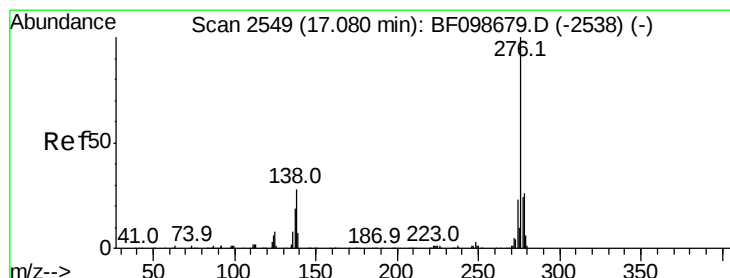
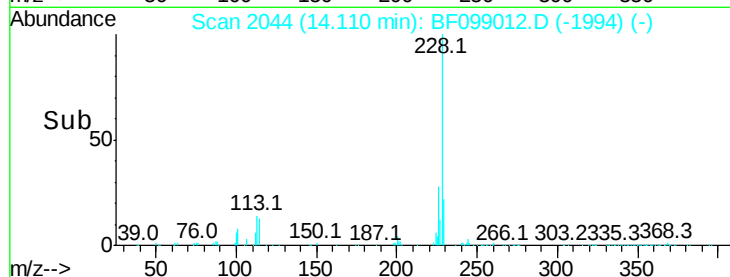
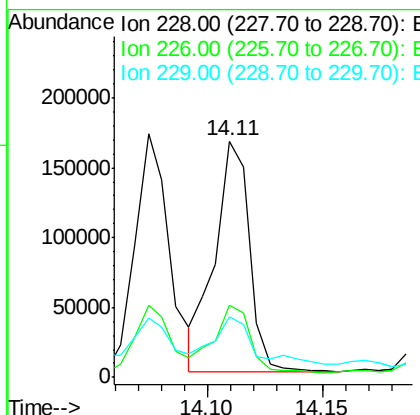
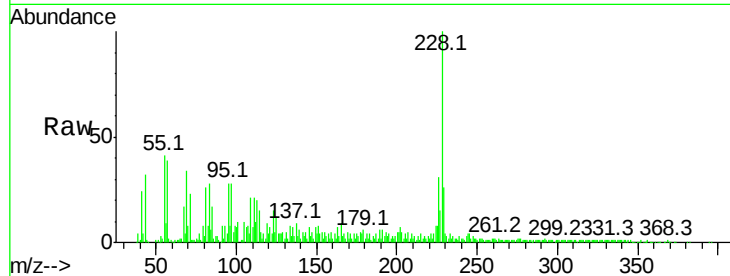
#82
Chrysene
Concen: 13.374 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF099012.D
Acq: 2 Oct 2017 21:01

Instrument :
BNA_F
ClientSampleId :
G-63-2.5-5

Tot Ion:	228	Resp:	172094
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.0	37.6
229	25.9	16.2	24.4#

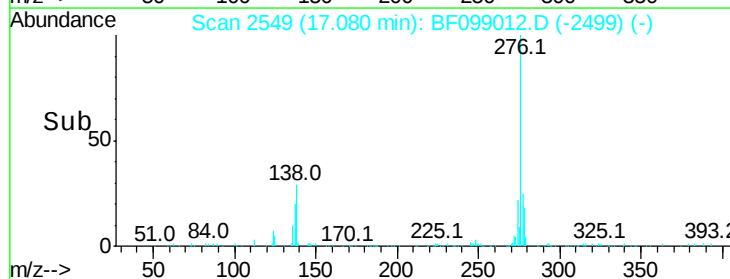
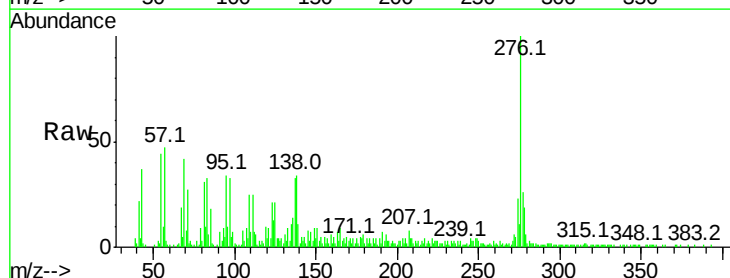
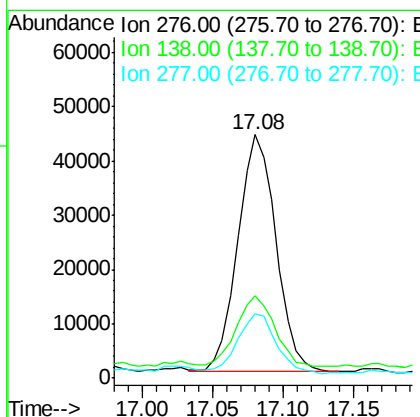
Manual Integrations
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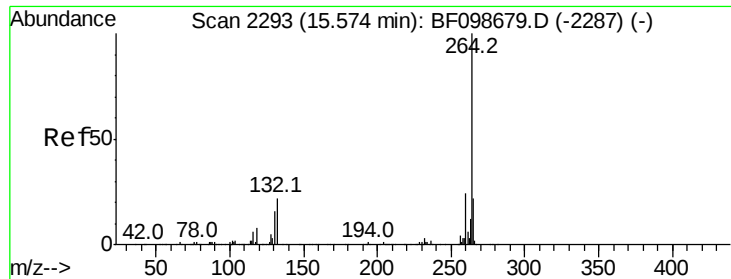
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 8.022 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF099012.D
Acq: 2 Oct 2017 21:01

Tgt Ion:	276	Resp:	82571
Ion Ratio	Lower	Upper	
276	100		
138	31.6	25.0	37.6
277	24.7	20.1	30.1





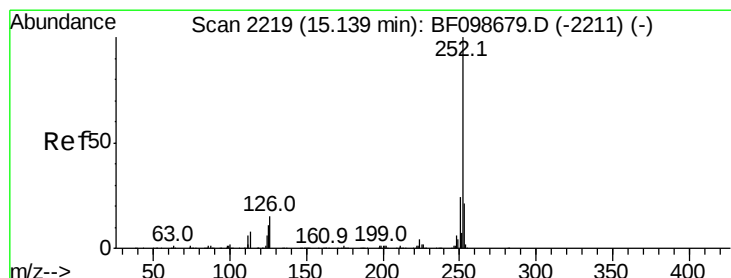
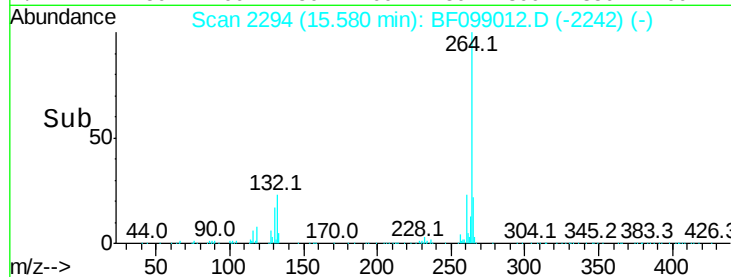
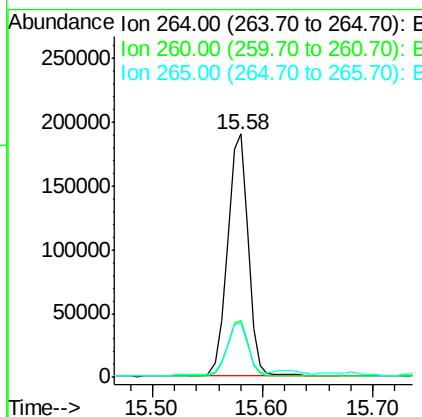
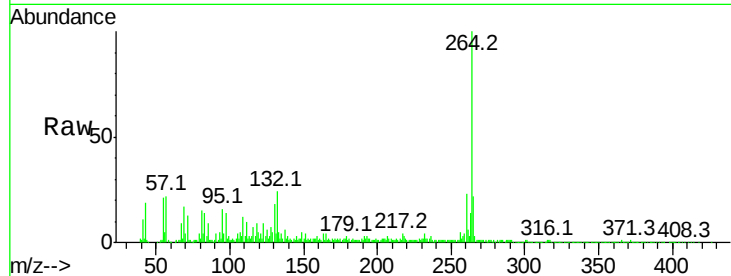
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF099012.D
Acq: 2 Oct 2017 21:01

Instrument :
BNA_F
ClientSampled :
G-63-2.5-5

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.4	17.5	26.3

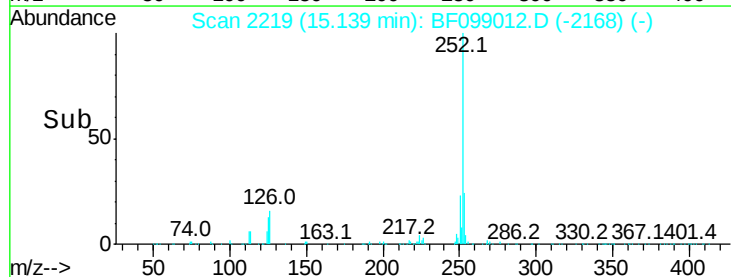
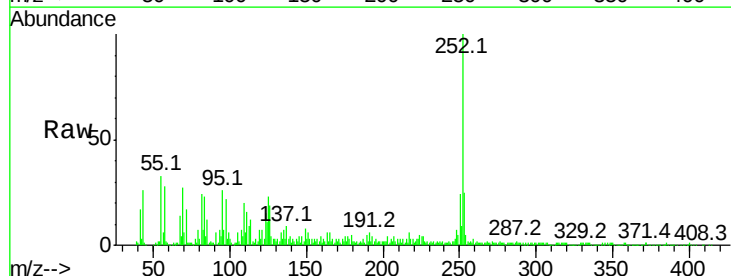
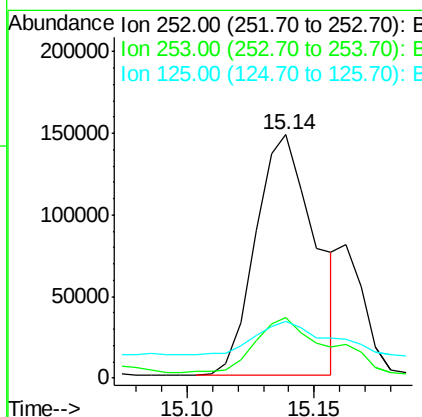
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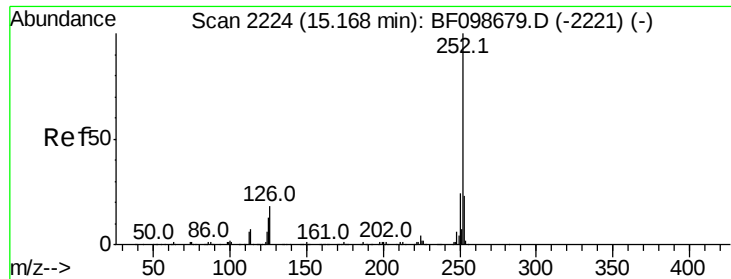
Sohil
10/3/2017 6:50:56 PM



#87
Benzo(b)fluoranthene
Concen: 15.633 ng m
RT: 15.14 min Scan# 2219
Delta R.T. -0.00 min
Lab File: BF099012.D
Acq: 2 Oct 2017 21:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.0	25.6
125	23.3	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 3.630 ng/mL

RT: 15.16 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BF099012.D

Acq: 2 Oct 2017 21:01

Instrument :

BNA_F

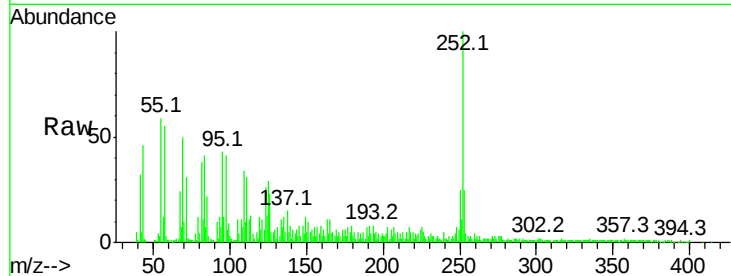
ClientSampleId :

G-63-2.5-5

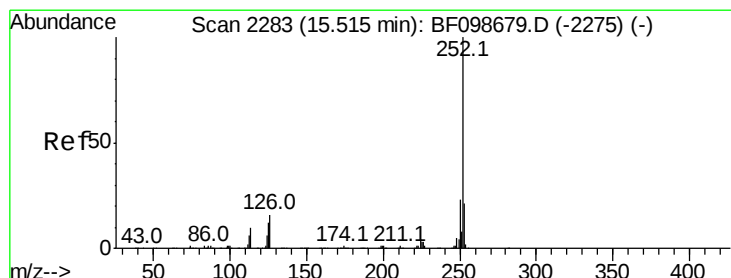
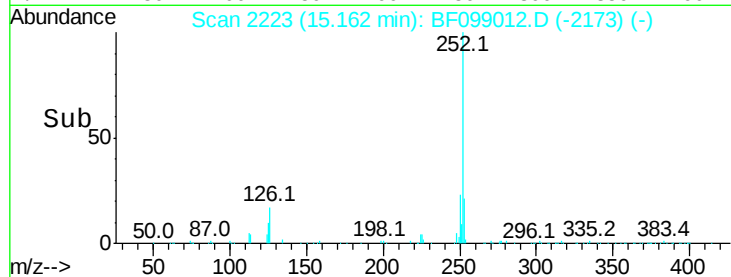
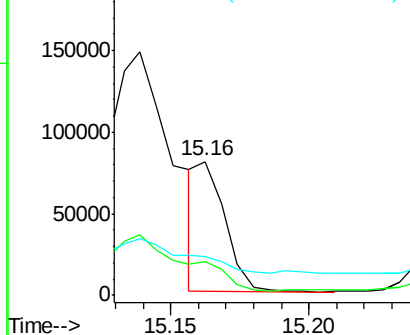
Tot Ion:	252	Resp:	55107
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.9	26.9
125	28.9	10.2	15.2#

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 11.721 ng/mL

RT: 15.51 min Scan# 2282

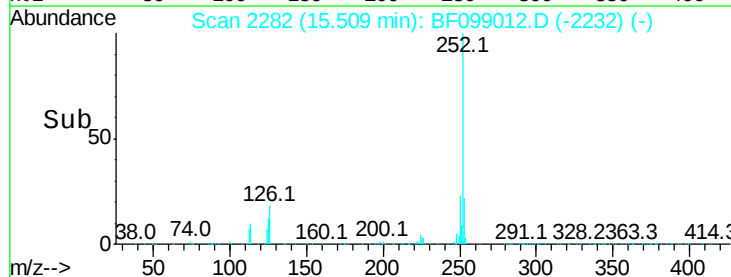
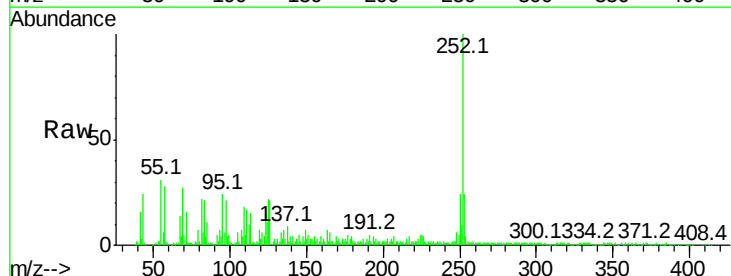
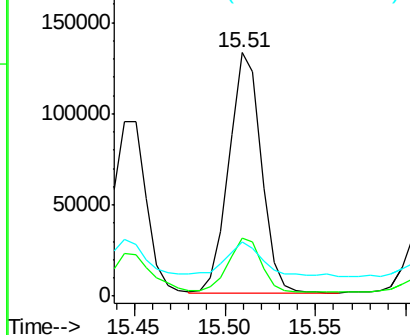
Delta R.T. -0.01 min

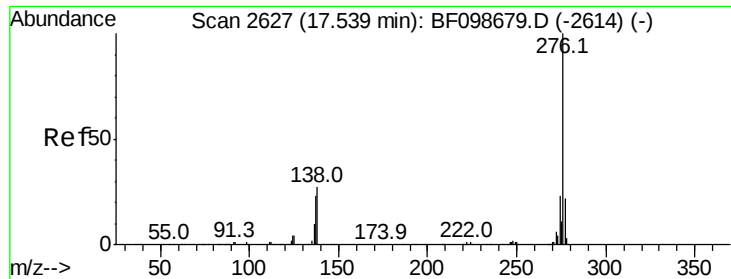
Lab File: BF099012.D

Acq: 2 Oct 2017 21:01

Tgt Ion:	252	Resp:	165342
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.1	25.7
125	22.1	9.8	14.6#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 7.460 ng
 RT: 17.54 min Scan# 2628
 Delta R.T. -0.00 min
 Lab File: BF099012.D
 Acq: 2 Oct 2017 21:01

Instrument :
 BNA_F
 ClientSampleId :
 G-63-2.5-5

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.1	17.9	26.9
138	31.5	21.8	32.8

Manual Integrations
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 10/3/2017 6:50:56 PM

