

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF098178.D
 Acq On : 31 Aug 2017 1:42
 Operator : SJ/JU
 Sample : I4979-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Manual Integrations
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Quant Time: Aug 31 13:23:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	124687	20.00	ng	-0.02
21) Naphthalene-d8	8.01	136	454273	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	170637	20.00	ng	-0.03
63) Phenanthrene-d10	11.24	188	277213	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	260652	20.00	ng	-0.02
86) Perylene-d12	15.29	264	178818	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	933742	113.91	ng	-0.01
7) Phenol-d6	6.37	99	1235560	110.93	ng	-0.02
23) Nitrobenzene-d5	7.29	82	708674	84.75	ng	-0.03
41) 2,4,6-Tribromophenol	10.55	330	138965	93.86	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	722795	62.23	ng	-0.02
78) Terphenyl-d14	12.83	244	452169	36.18	ng	-0.02
Target Compounds						
10) Phenol	6.38	94	52910	4.062	ng	Qvalue 87
31) Naphthalene	8.03	128	401523	17.026	ng	99
37) 2-Methylnaphthalene	8.72	142	46833	3.239	ng	97
49) Dimethylphthalate	9.48	163	225693	18.094	ng	99
51) Acenaphthene	9.79	154	162991	14.314	ng	98
54) Dibenzofuran	9.96	168	157351	10.311	ng	# 98
57) Fluorene	10.30	166	152056	12.887	ng	99
70) Phenanthrene	11.26	178	185402	12.551	ng	99
71) Anthracene	11.32	178	87324	5.828	ng	99
74) Fluoranthene	12.45	202	114409	7.420	ng	99
77) Pyrene	12.68	202	91772	4.305	ng	98

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

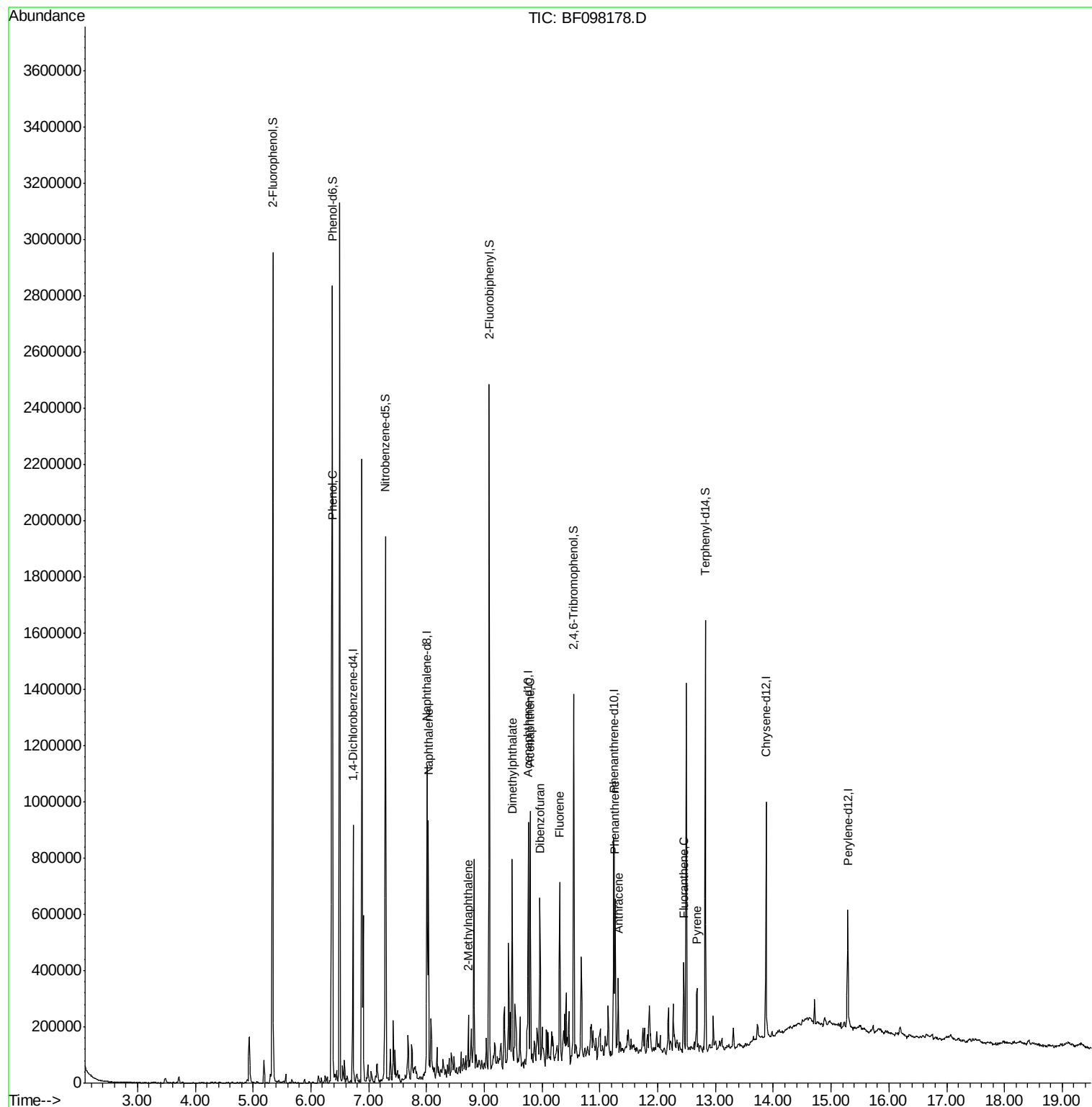
Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
Data File : BF098178.D
Acq On : 31 Aug 2017 1:42
Operator : SJ/JU
Sample : I4979-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

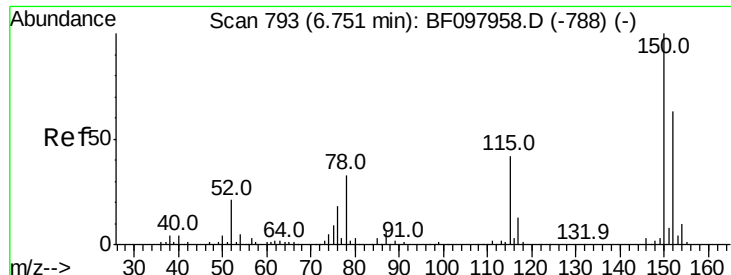
Instrument :
BNA_F
ClientSampleId :
TP-2

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#1

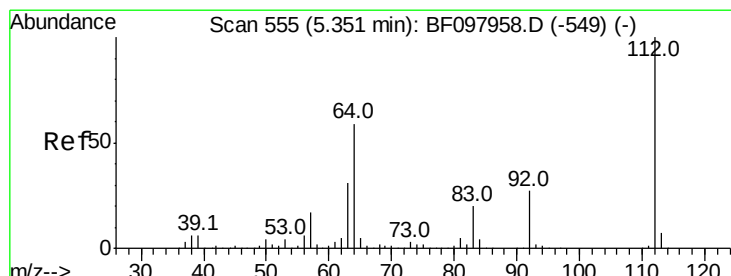
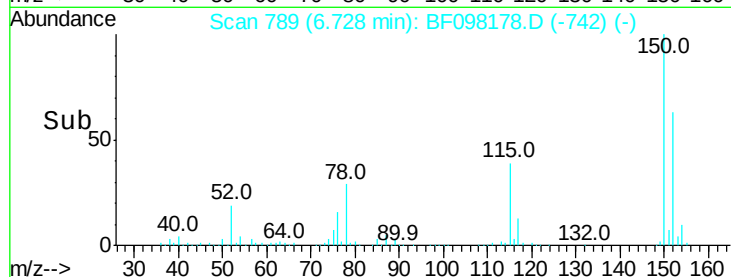
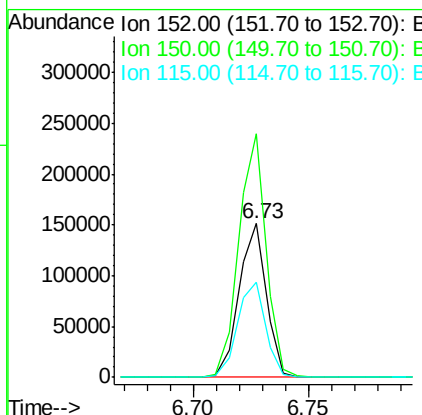
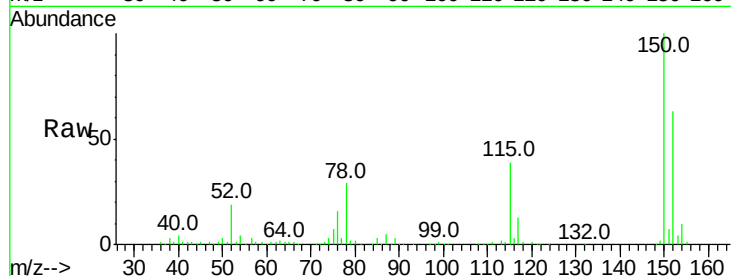
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.02 min
Lab File: BF098178.D
Acq: 31 Aug 2017 1:42

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	126.2	189.2
115	62.0	52.2	78.2

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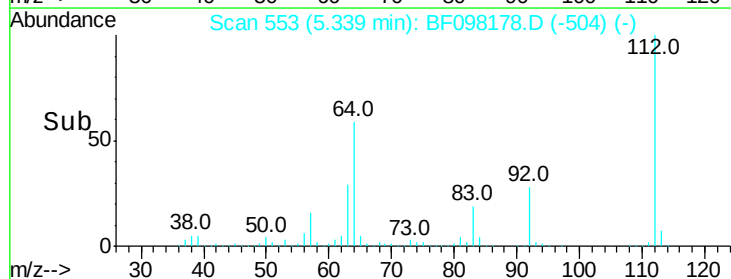
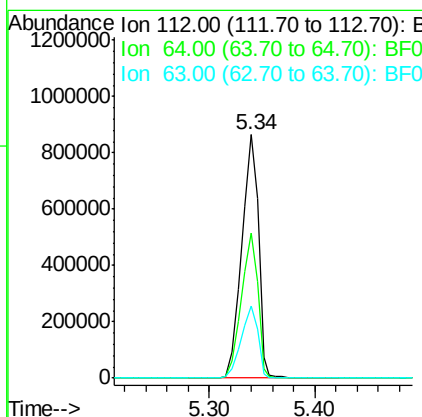
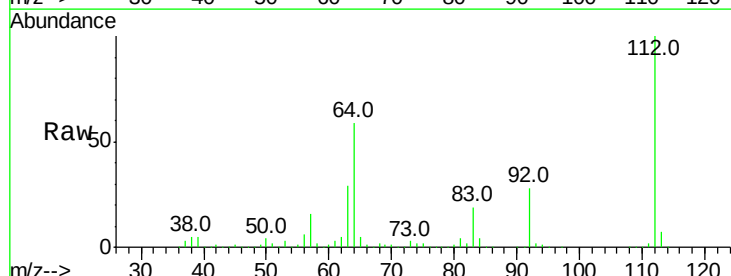
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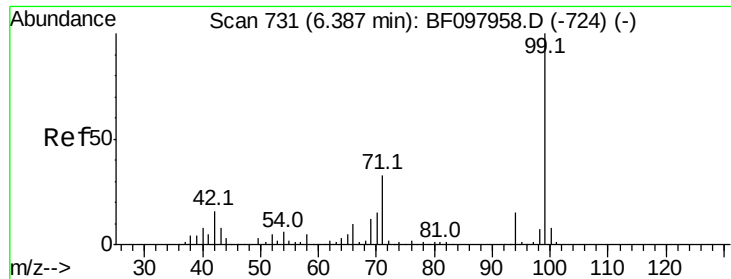


#5

2-Fluorophenol
Concen: 113.908 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF098178.D
Acq: 31 Aug 2017 1:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	46.0	69.0
63	29.4	23.4	35.0





#7

Phenol-d6

Concen: 110.934 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF098178.D

Acq: 31 Aug 2017 1:42

Instrument :

BNA_F

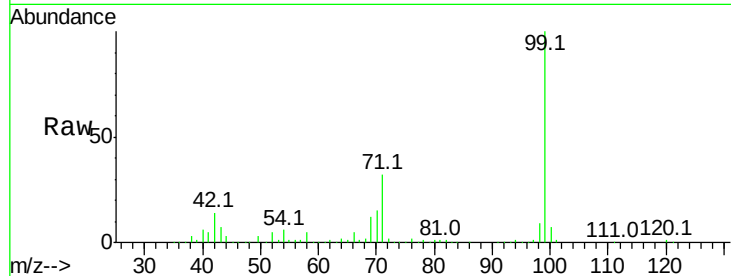
ClientSampled :

TP-2

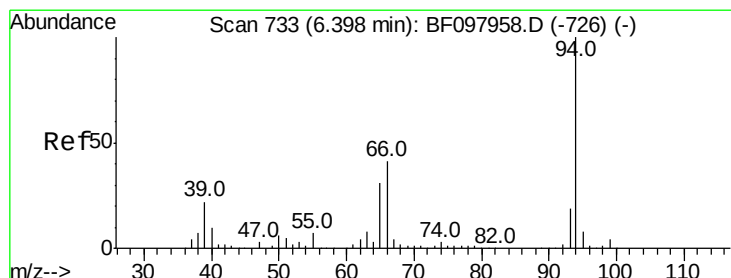
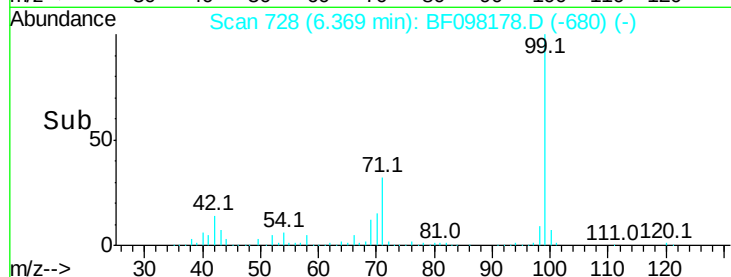
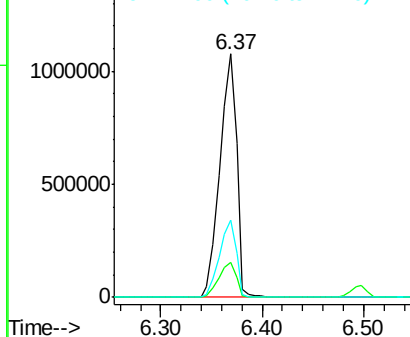
Tot Ion	99	Resp	1235560
Ion	Ratio	Lower	Upper
99	100		
42	14.5	13.5	20.3
71	31.8	24.5	36.7

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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: 4.062 ng

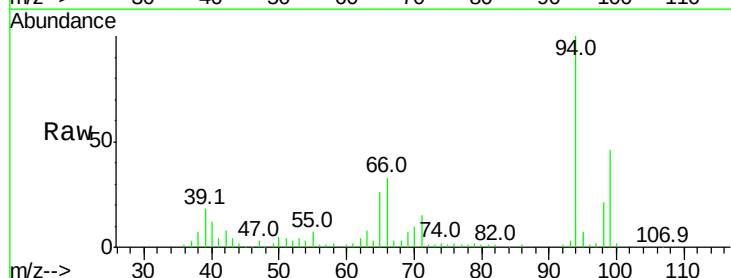
RT: 6.38 min Scan# 730

Delta R.T. -0.02 min

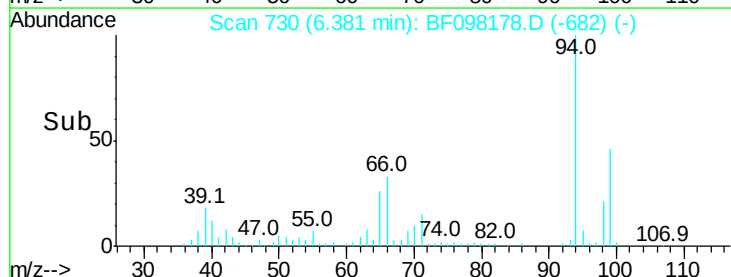
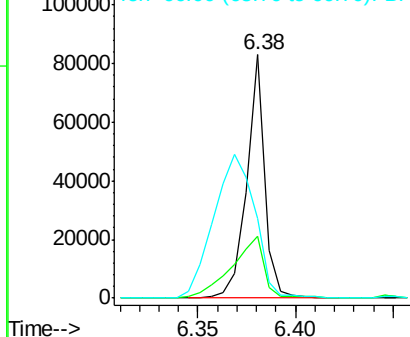
Lab File: BF098178.D

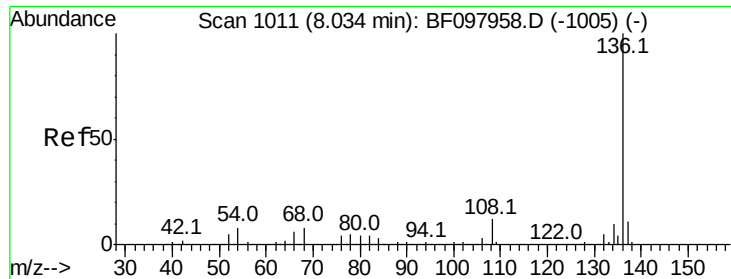
Acq: 31 Aug 2017 1:42

Tgt Ion	94	Resp	52910
Ion	Ratio	Lower	Upper
94	100		
65	25.7	9.9	49.9
66	32.8	23.1	63.1



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





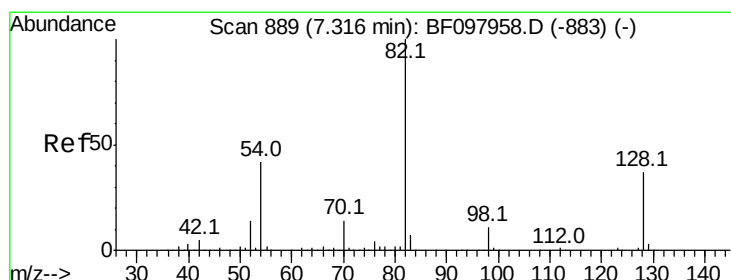
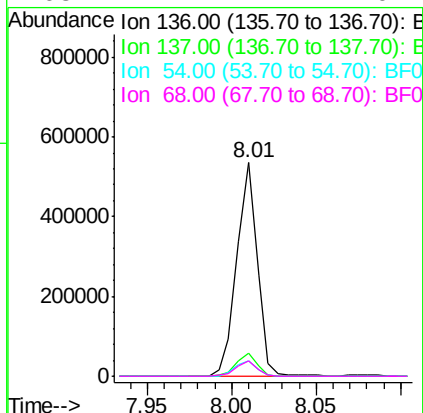
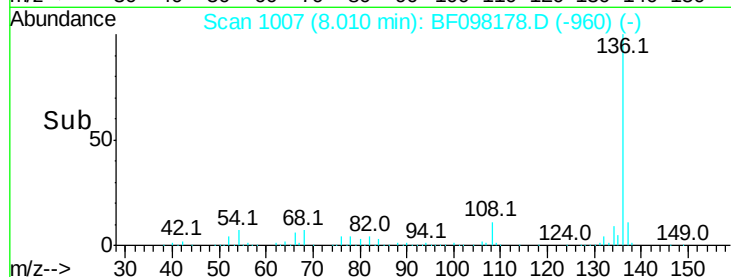
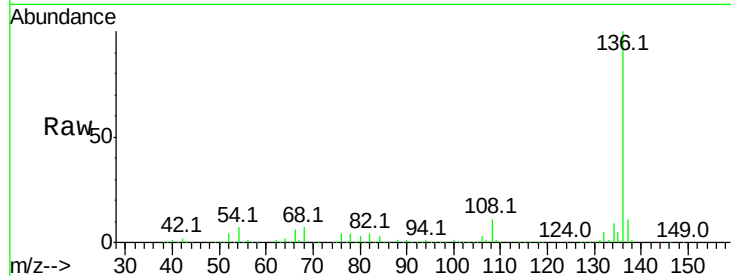
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.02 min
Lab File: BF098178.D
Acq: 31 Aug 2017 1:42

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	8.5	12.7	
54	7.0	4.9	7.3	
68	7.2	4.1	6.1	

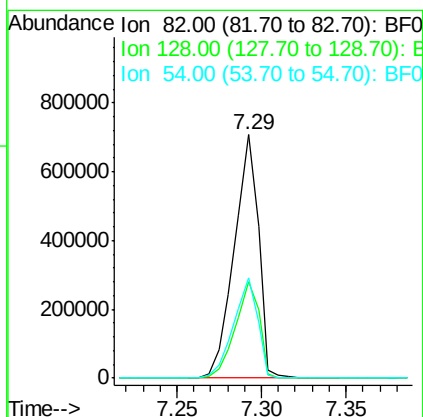
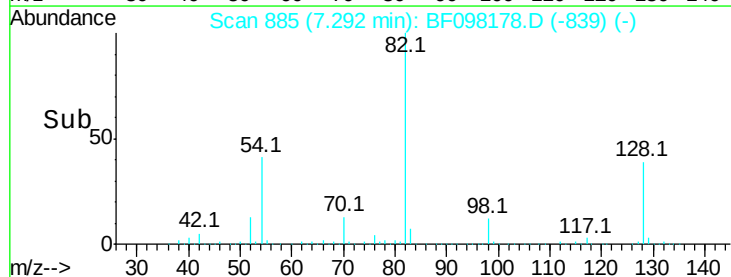
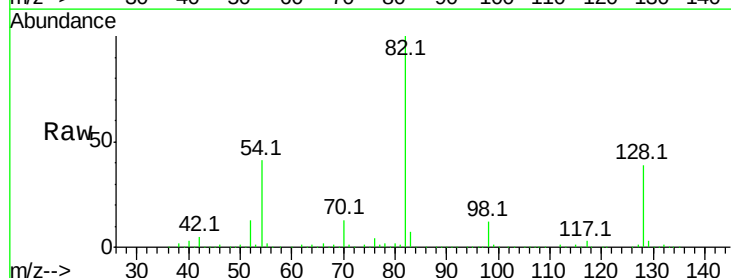
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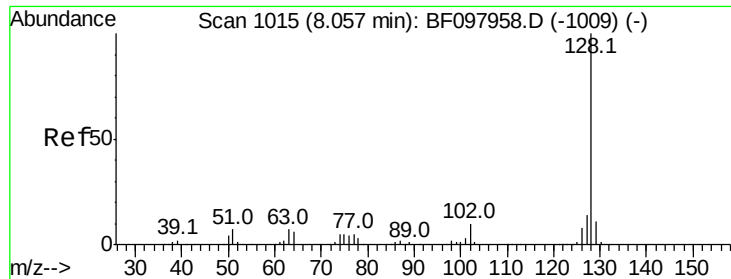
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#23
Nitrobenzene-d5
Concen: 84.747 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.03 min
Lab File: BF098178.D
Acq: 31 Aug 2017 1:42

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	39.4	34.0	51.0	
54	41.3	42.2	63.2	





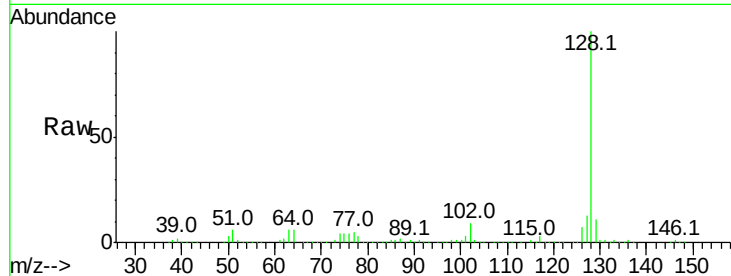
#31
Naphthalene
Concen: 17.026 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BF098178.D
Acq: 31 Aug 2017 1:42

Instrument :
BNA_F
ClientSampled :
TP-2

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.2	9.0	13.6	
127	12.9	10.8	16.2	

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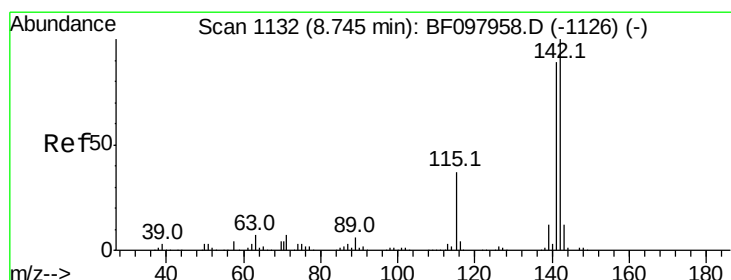
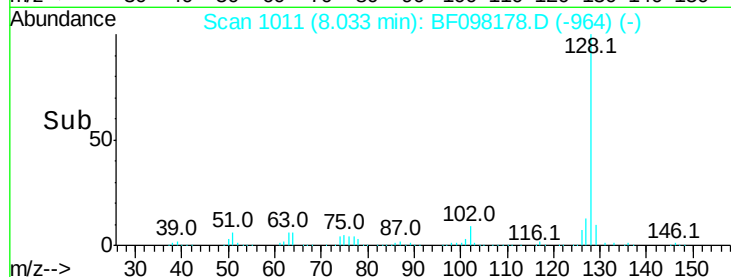
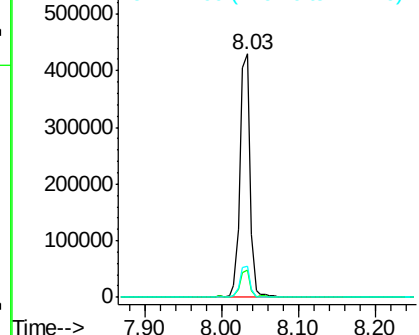


Abundance

Ion 128.00 (127.70 to 128.70): E

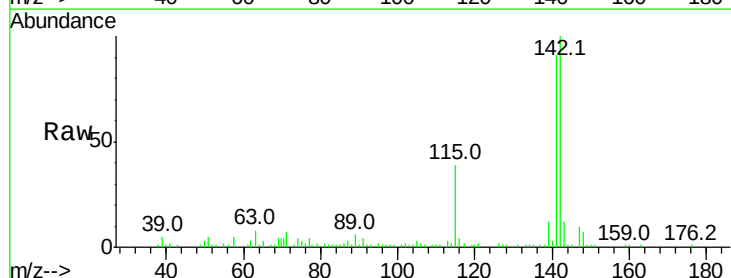
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37
2-Methylnaphthalene
Concen: 3.239 ng
RT: 8.72 min Scan# 1128
Delta R.T. -0.02 min
Lab File: BF098178.D
Acq: 31 Aug 2017 1:42

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	90.6	71.3	106.9	
115	38.8	27.1	40.7	

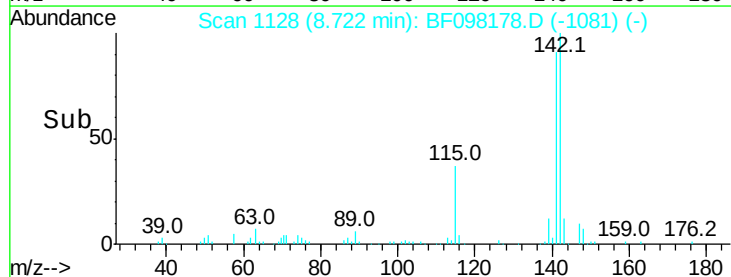
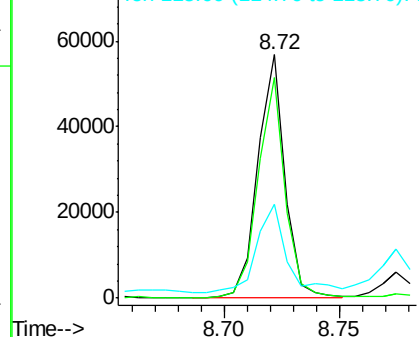


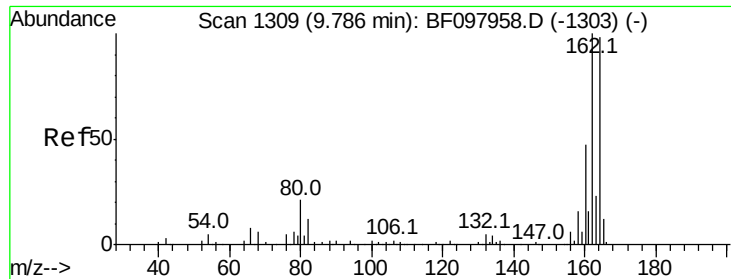
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





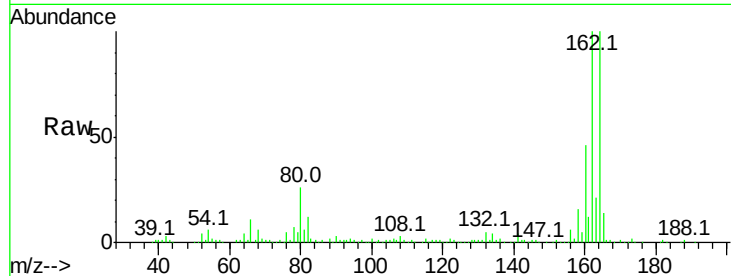
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.03 min
 Lab File: BF098178.D
 Acq: 31 Aug 2017 1:42

Instrument :
 BNA_F
 ClientSampled :
 TP-2

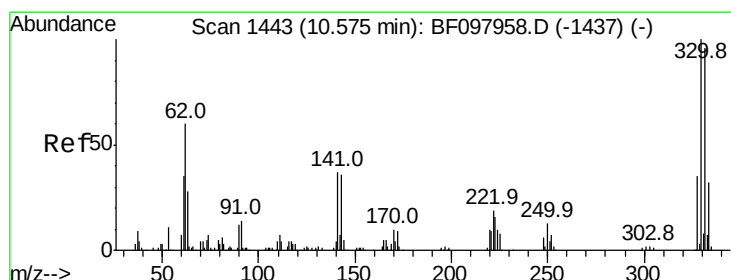
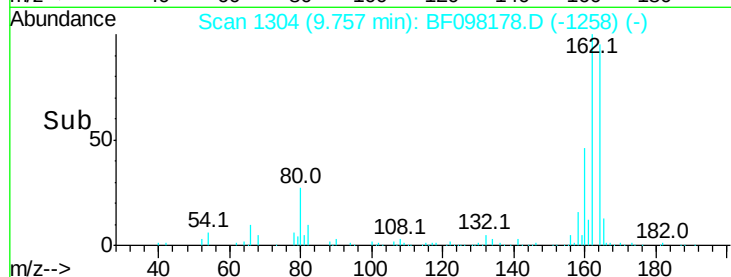
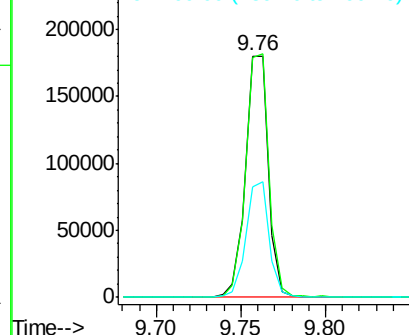
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.5	82.6	123.8	
160	45.8	36.2	54.2	

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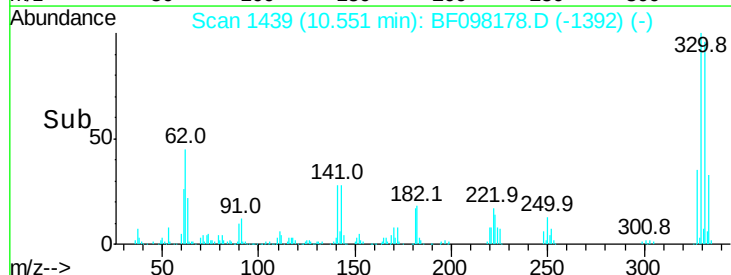
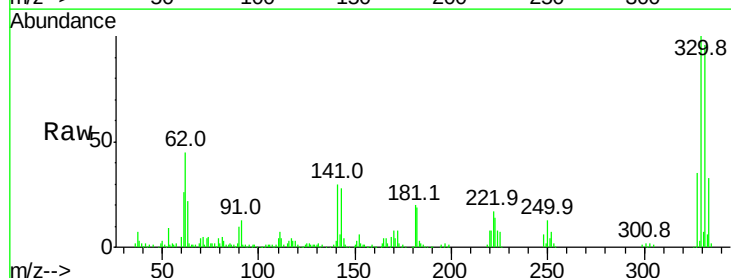
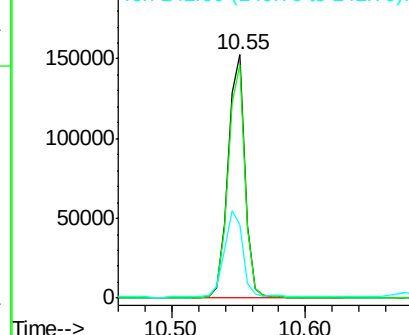
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

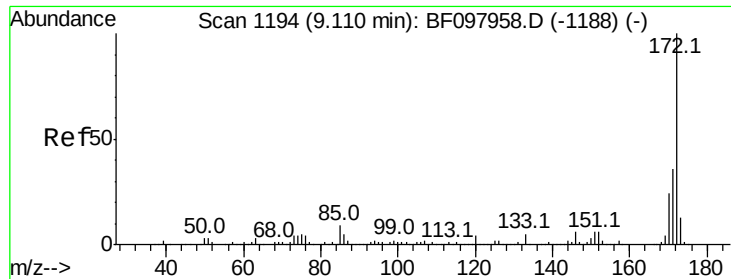


#41
 2,4,6-Tribromophenol
 Concen: 93.860 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF098178.D
 Acq: 31 Aug 2017 1:42

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.4	76.6	115.0	
141	38.5	31.4	47.2	

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





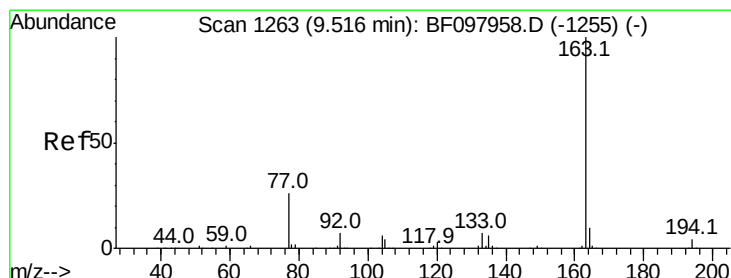
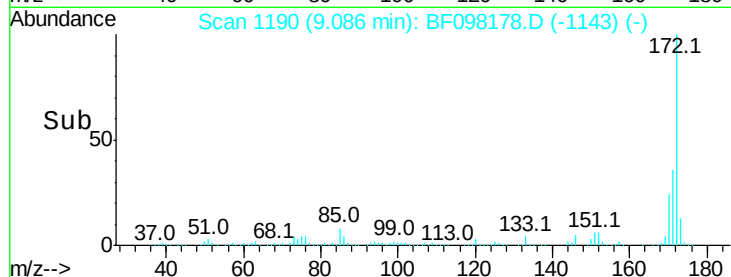
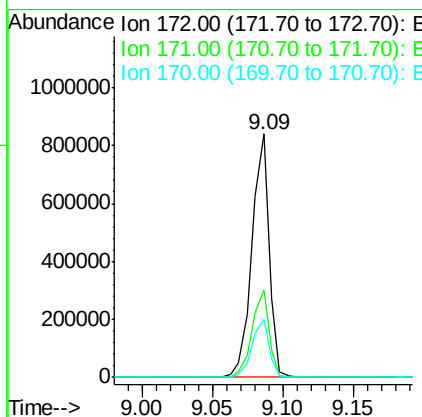
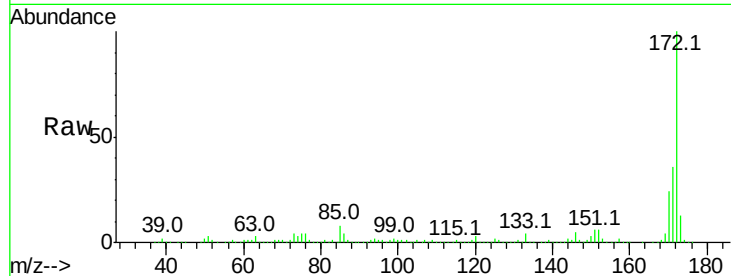
#44
2-Fluorobiphenyl
Concen: 62.234 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.02 min
Lab File: BF098178.D
Acq: 31 Aug 2017 1:42

Instrument :
BNA_F
ClientSampled :
TP-2

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	36.0	29.6	44.4
170	23.9	19.8	29.8

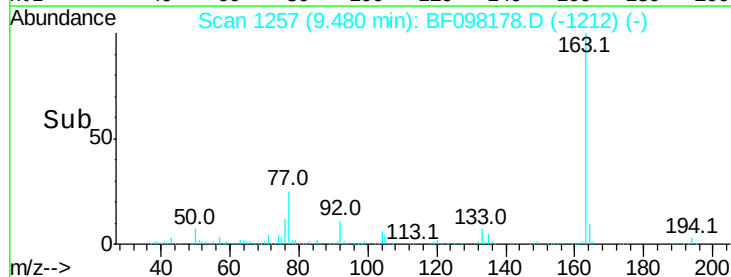
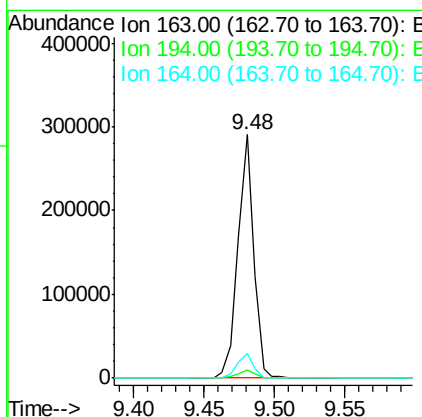
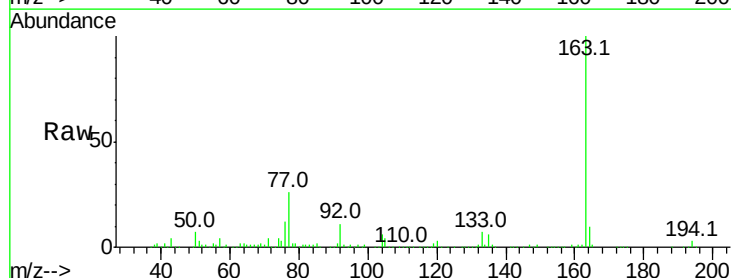
Manual Integrations
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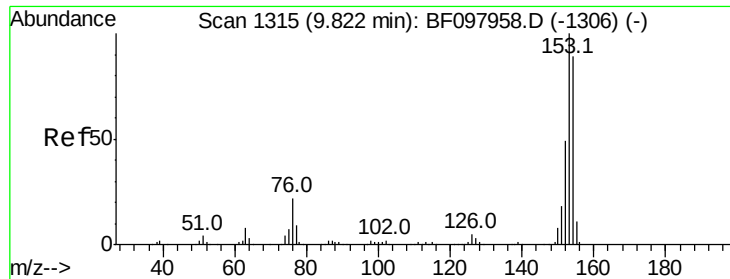
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#49
Dimethylphthalate
Concen: 18.094 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.04 min
Lab File: BF098178.D
Acq: 31 Aug 2017 1:42

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.5	2.6	4.0
164	10.0	8.4	12.6





#51

Acenaphthene

Concen: 14.314 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.03 min

Lab File: BF098178.D

Acq: 31 Aug 2017 1:42

Instrument :

BNA_F

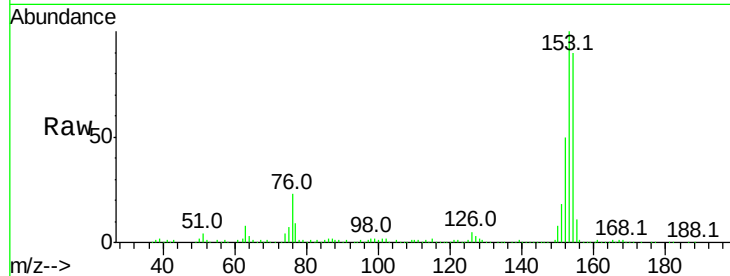
ClientSampleId :

TP-2

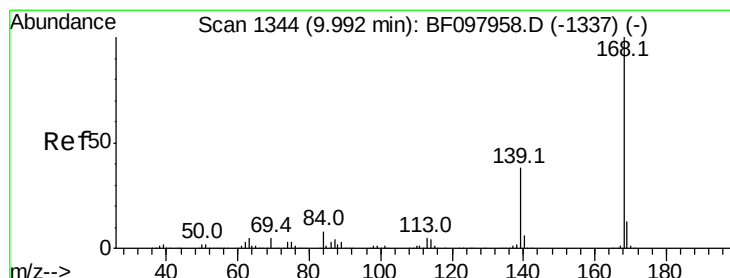
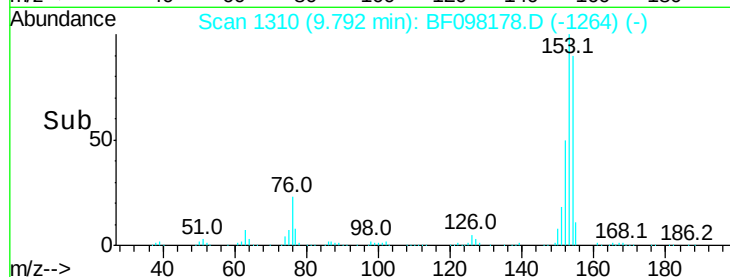
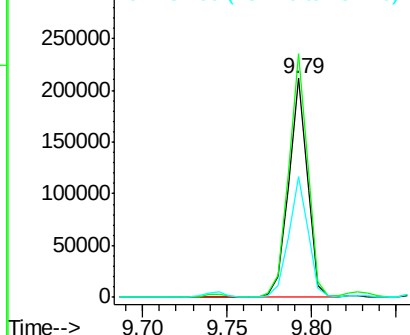
Tot Ion:	154	Resp:	162991
Ion Ratio	Lower	Upper	
154	100		
153	111.2	90.5	135.7
152	55.4	43.6	65.4

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 10.311 ng

RT: 9.96 min Scan# 1339

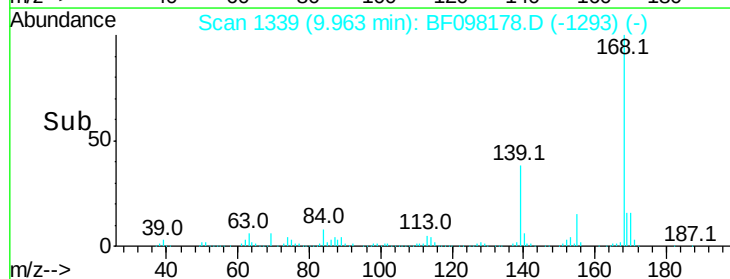
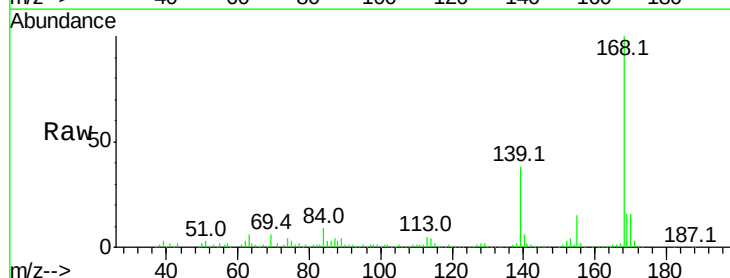
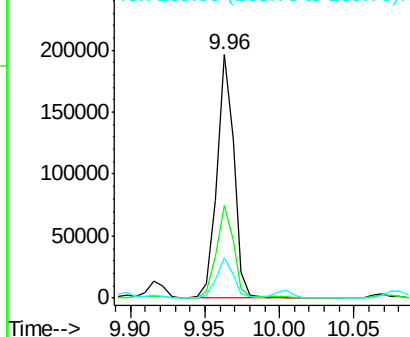
Delta R.T. -0.03 min

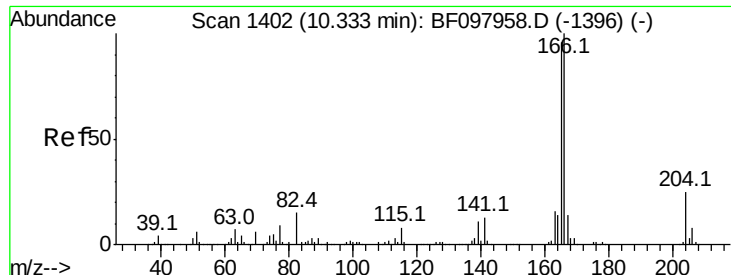
Lab File: BF098178.D

Acq: 31 Aug 2017 1:42

Tgt Ion:	168	Resp:	157351
Ion Ratio	Lower	Upper	
168	100		
139	38.1	30.6	45.8
169	16.4	10.8	16.2#

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





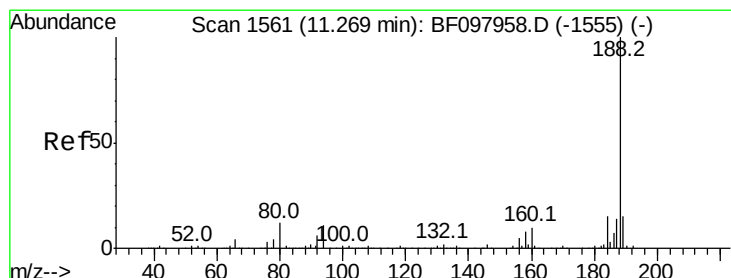
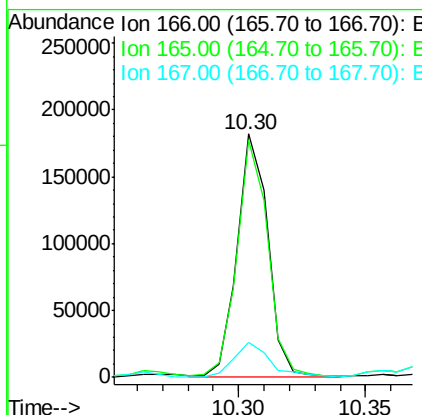
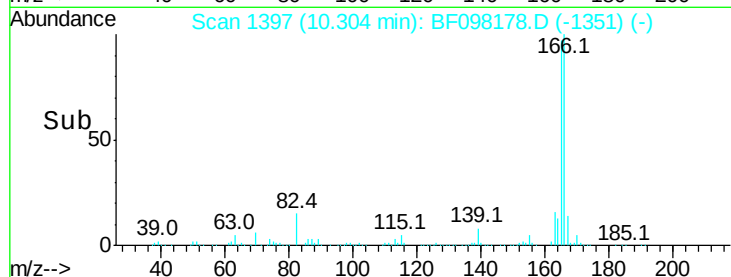
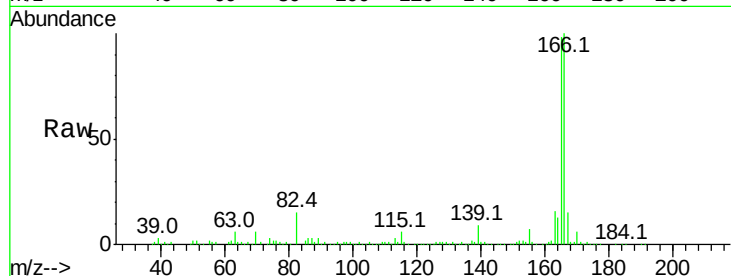
#57
Fluorene
 Concen: 12.887 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.03 min
 Lab File: BF098178.D
 Acq: 31 Aug 2017 1:42

Instrument :
 BNA_F
 ClientSampled :
 TP-2

Tot Ion	Ratio	Resp	Lower	Upper
166	100	152056		
165	97.6		78.8	118.2
167	14.5		10.6	16.0

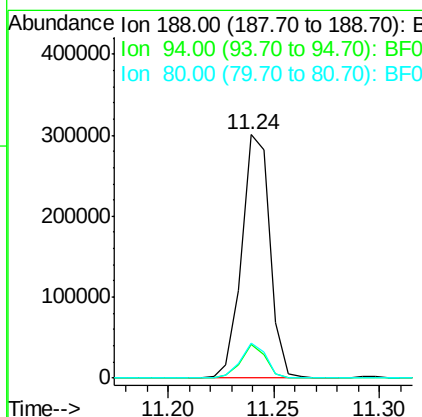
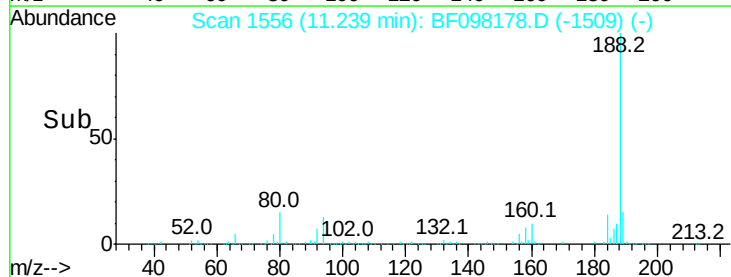
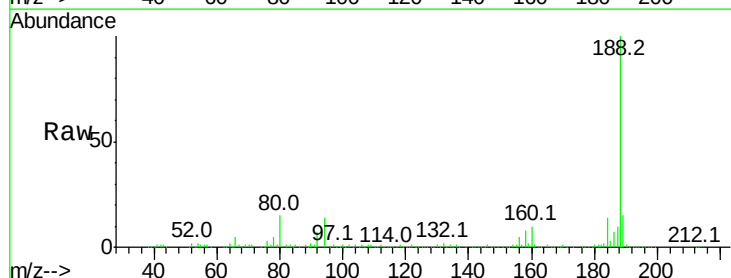
Manual Integrations
 APPROVED

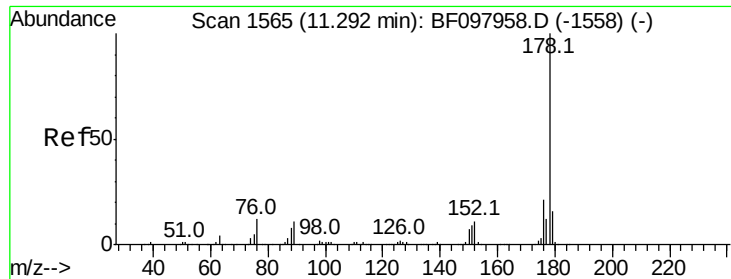
Sohil
 8/31/2017 7:12:58 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.02 min
 Lab File: BF098178.D
 Acq: 31 Aug 2017 1:42

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	277213		
94	13.6		9.4	14.2
80	14.5		10.2	15.2





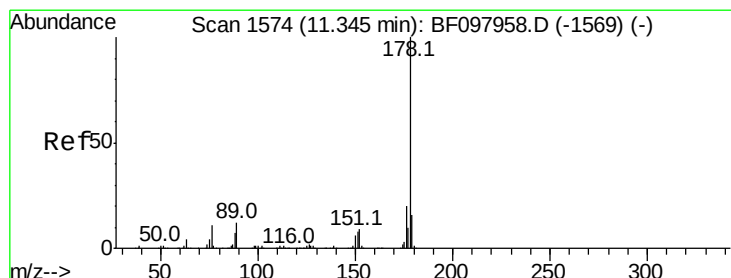
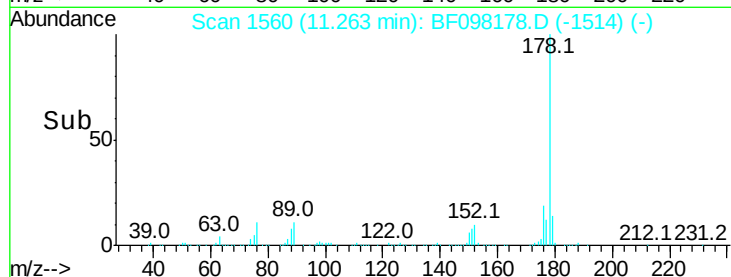
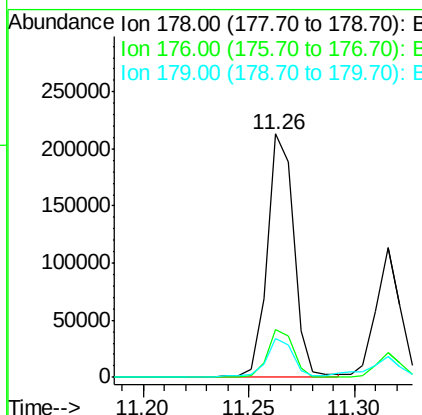
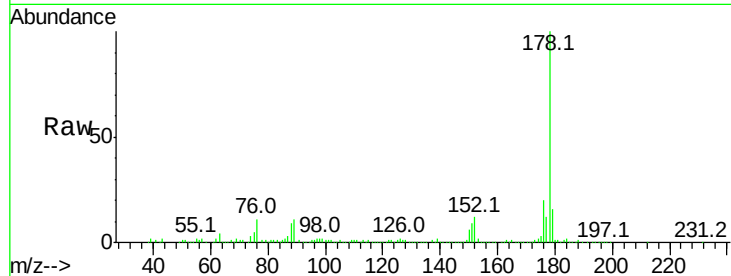
#70
Phenanthrene
Concen: 12.551 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.03 min
Lab File: BF098178.D
Acq: 31 Aug 2017 1:42

Instrument :
BNA_F
ClientSampled :
TP-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	15.7	12.6	19.0

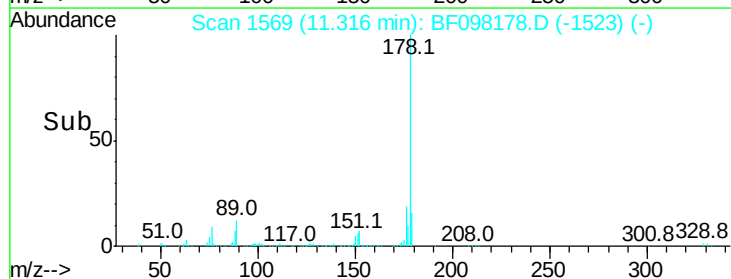
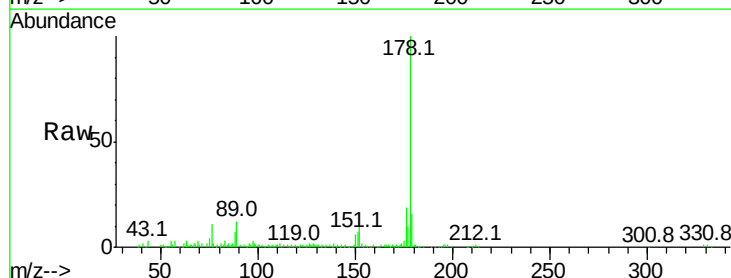
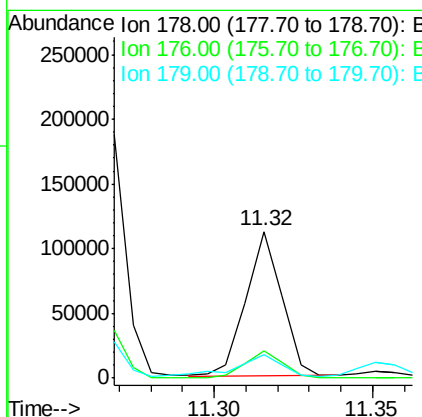
Manual Integrations
APPROVED

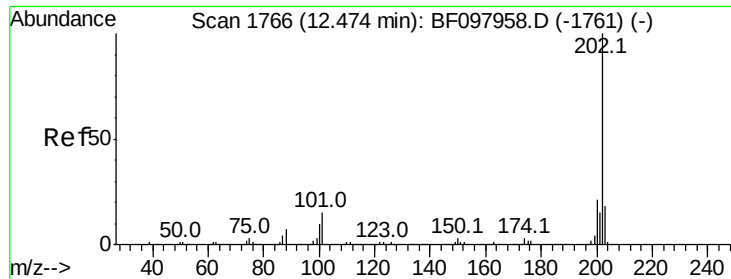
Sohil
8/31/2017 7:12:58 PM



#71
Anthracene
Concen: 5.828 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.03 min
Lab File: BF098178.D
Acq: 31 Aug 2017 1:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	16.2	12.7	19.1





#74

Fluoranthene

Concen: 7.420 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF098178.D

Acq: 31 Aug 2017 1:42

Instrument :

BNA_F

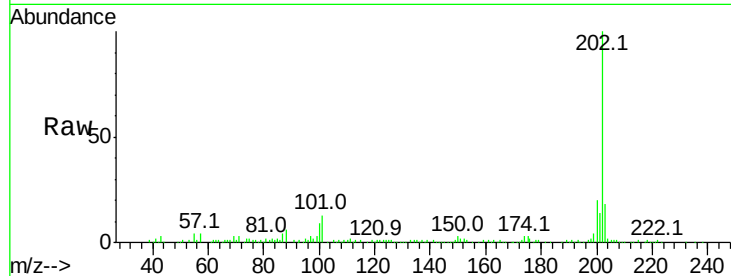
ClientSampled :

TP-2

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	12.8	0.0	33.2	
203	17.7	0.0	38.1	

Manual Integrations
APPROVED

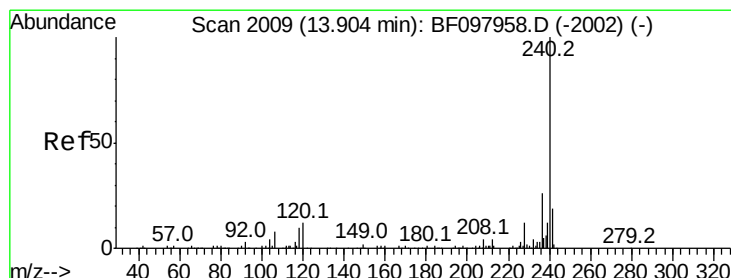
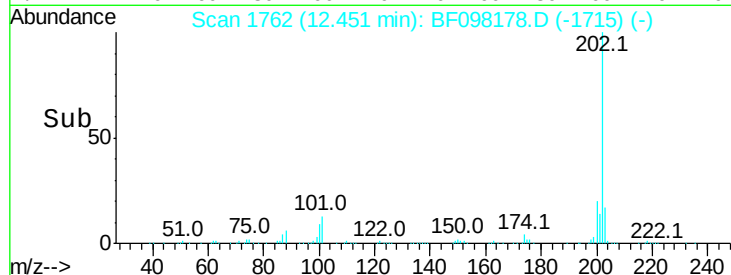
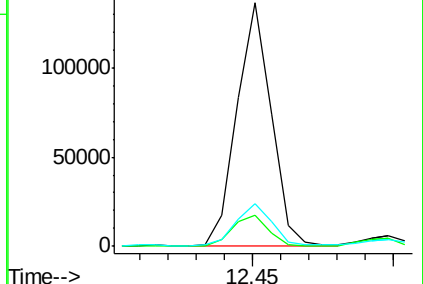
Sohil
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Abundance Ion 202.00 (201.70 to 202.70): E

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

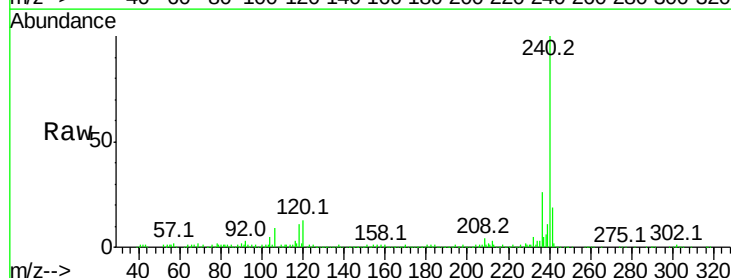
RT: 13.87 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF098178.D

Acq: 31 Aug 2017 1:42

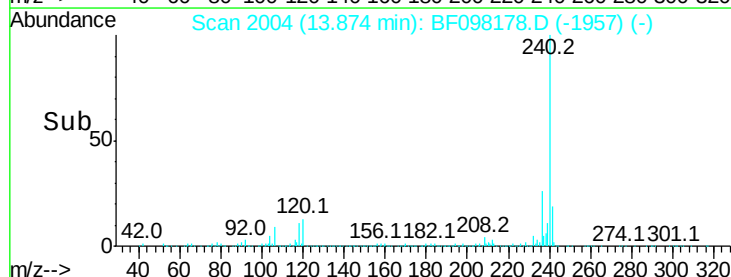
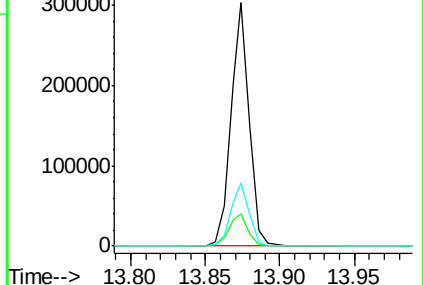
Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	13.3	5.8	8.8#	
236	26.2	20.5	30.7	

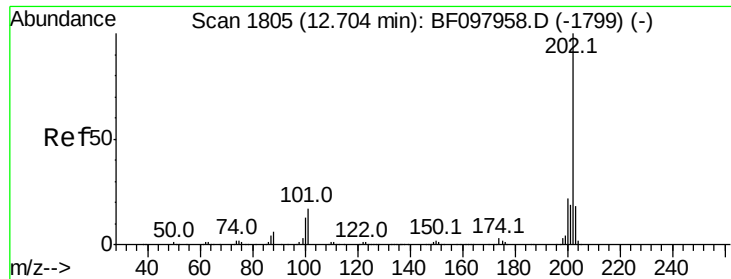


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.305 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.02 min

Lab File: BF098178.D

Acq: 31 Aug 2017 1:42

Instrument :

BNA_F

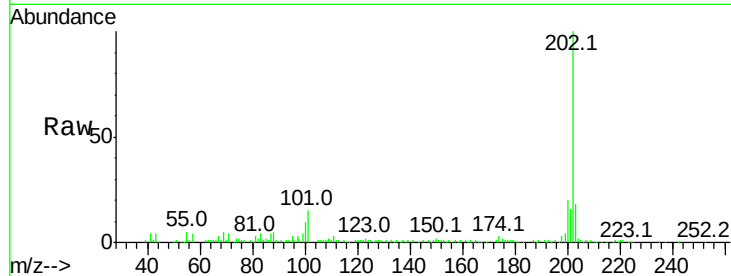
ClientSampled :

TP-2

Tot Ion:	202	Resp:	91772
Ion Ratio	Lower	Upper	
202	100		
200	20.1	17.6	26.4
203	17.9	14.4	21.6

Manual Integrations
APPROVED

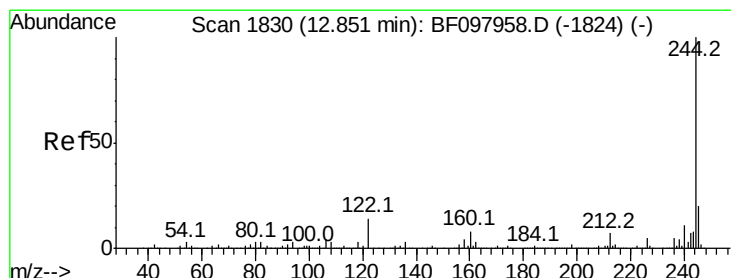
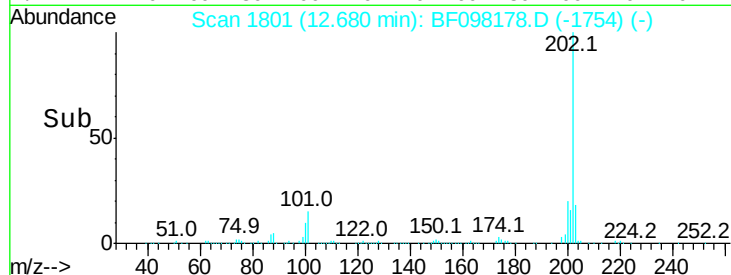
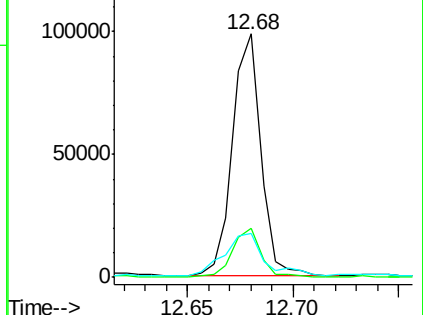
Sohil
8/31/2017 7:12:58 PM



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: 36.176 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF098178.D

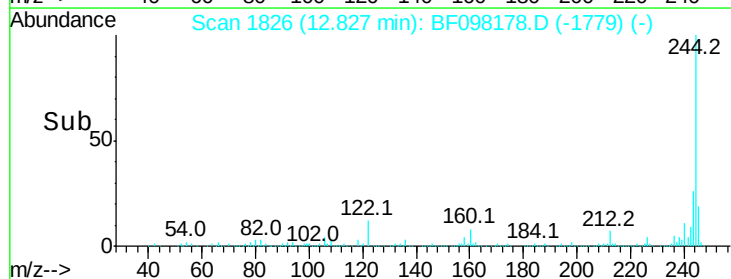
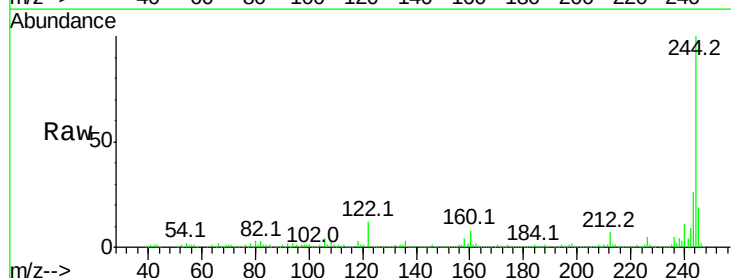
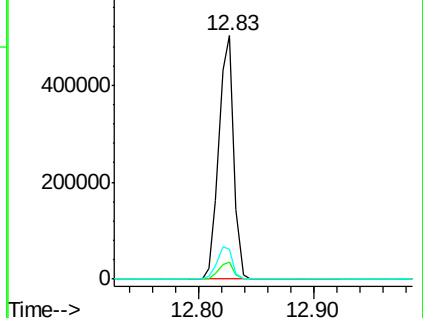
Acq: 31 Aug 2017 1:42

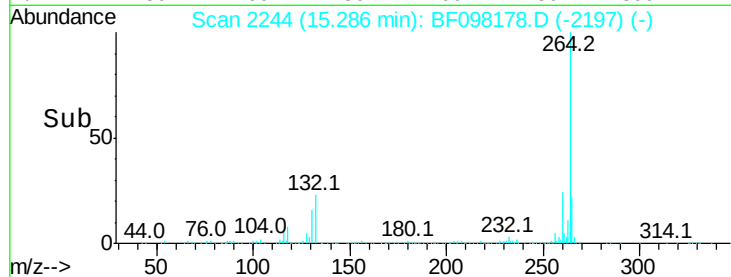
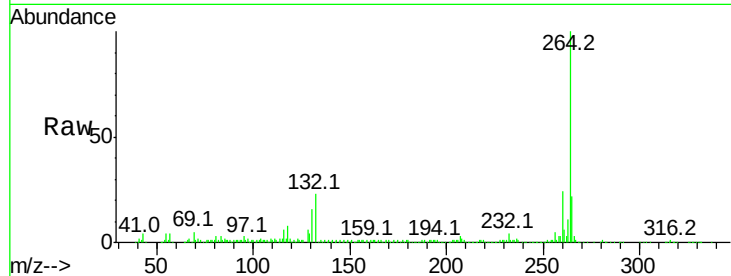
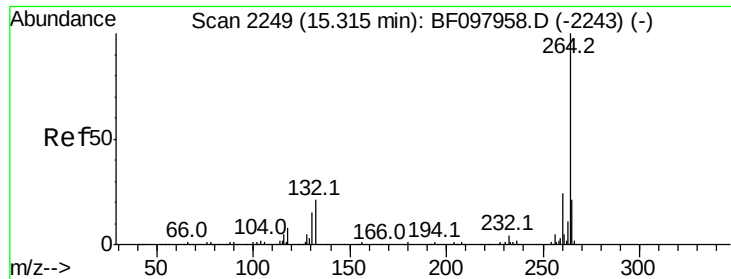
Tgt Ion:	244	Resp:	452169
Ion Ratio	Lower	Upper	
244	100		
212	7.1	6.0	9.0
122	12.4	10.3	15.5

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
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. -0.02 min
Lab File: BF098178.D
Acq: 31 Aug 2017 1:42

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.4	17.2	25.8

Manual Integrations
APPROVED

Sohil
8/31/2017 7:12:58 PM

