

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071417\
 Data File : BF096768.D
 Acq On : 14 Jul 2017 11:46
 Operator : SJ/JU
 Sample : I4172-05DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-P6-ESWDL

Manual Integrations
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Quant Time: Jul 14 14:11:46 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	97679	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	382377	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	168249	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	269569	20.00	ng	0.00
75) Chrysene-d12	13.77	240	160336	20.00	ng	0.00
86) Perylene-d12	15.16	264	158714	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	151834	23.37	ng	0.00
7) Phenol-d6	6.27	99	191728	24.59	ng	0.00
23) Nitrobenzene-d5	7.19	82	106782	17.30	ng	-0.01
41) 2,4,6-Tribromophenol	10.46	330	21556	15.01	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	200092	18.79	ng	0.00
78) Terphenyl-d14	12.73	244	132108	14.29	ng	0.00
Target Compounds						Qvalue
11) bis(2-Chloroethyl)ether	6.37	93	20450	3.086	ng	91
12) 1,3-Dichlorobenzene	6.57	146	44652	5.994	ng	96
13) 1,4-Dichlorobenzene	6.65	146	210869	27.951	ng	94
14) 1,2-Dichlorobenzene	6.81	146	663575	96.704	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.92	45	68049m	4.975	ng	
27) 2,4-Dimethylphenol	7.59	122	12397	2.123	ng	87
30) 1,2,4-Trichlorobenzene	7.87	180	54447	10.832	ng	96
31) Naphthalene	7.95	128	1607348	88.735	ng	99
37) 2-Methylnaphthalene	8.65	142	1969806	170.571	ng	98
45) 1,1'-Biphenyl	9.10	154	332993	23.077	ng	98
49) Dimethylphthalate	9.39	163	31976	2.524	ng	# 65
51) Acenaphthene	9.70	154	167301	16.728	ng	98
54) Dibenzofuran	9.87	168	77796	5.551	ng	# 56
57) Fluorene	10.22	166	89078	8.601	ng	# 92
70) Phenanthrene	11.17	178	195740	13.354	ng	97
71) Anthracene	11.22	178	35639	2.405	ng	96
74) Fluoranthene	12.35	202	30082	2.144	ng	98
77) Pyrene	12.58	202	35490	2.439	ng	98

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

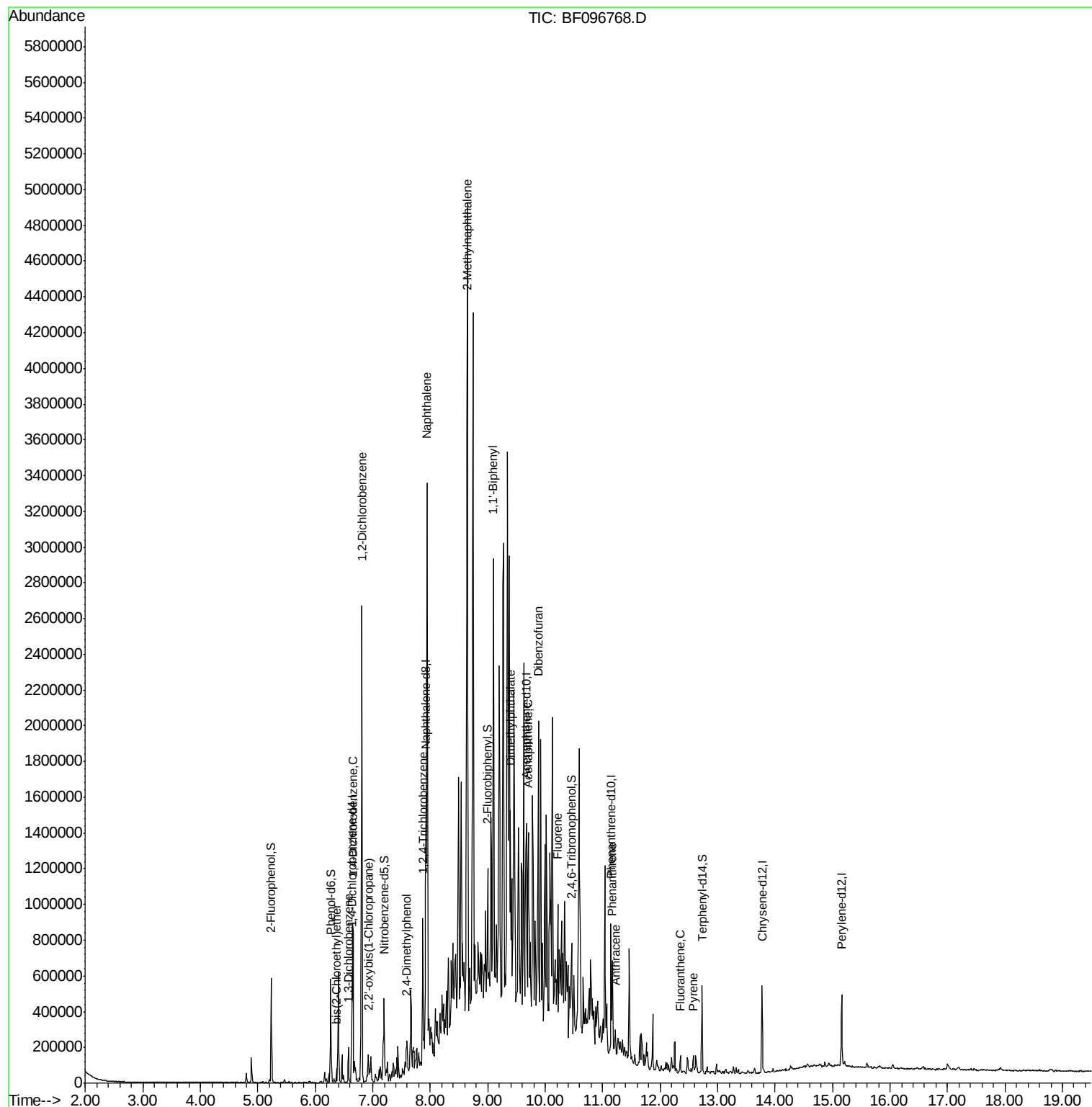
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071417\
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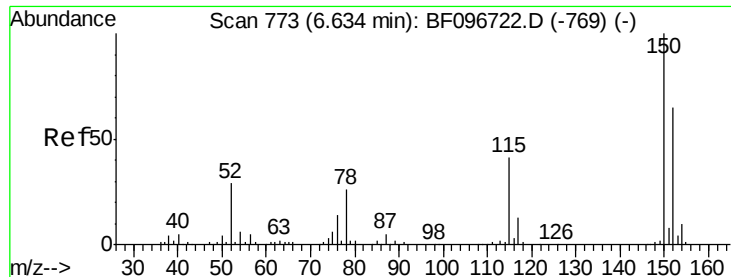
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

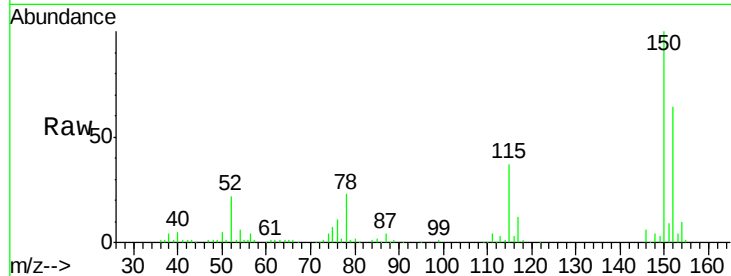
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.64 min Scan# 791
Delta R.T. 0.01 min
Lab File: BF096768.D
Acq: 14 Jul 2017 11:46

Instrument :
BNA_F
ClientSampleId :
E2-P6-ESWDL

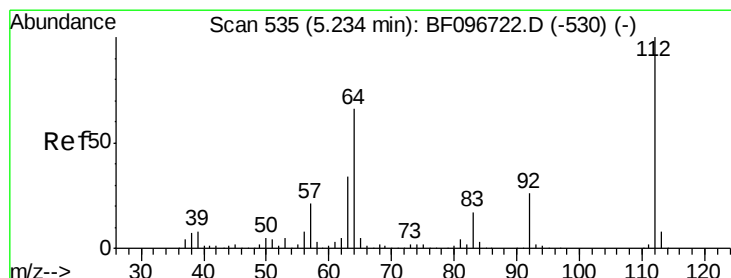
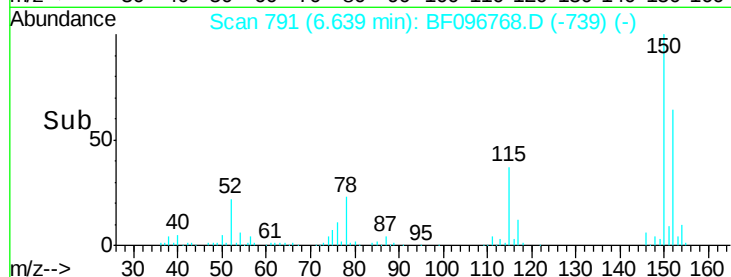
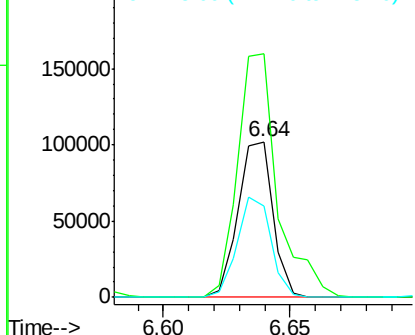
Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.7	126.2	189.2
115	58.5	52.2	78.2

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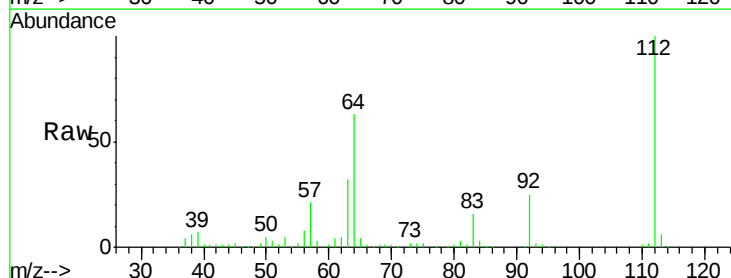
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



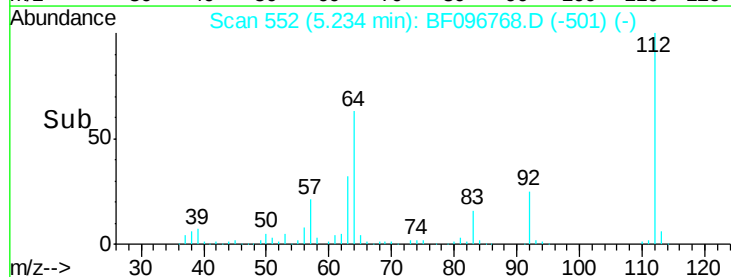
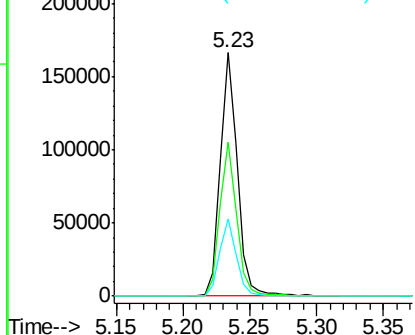
#5

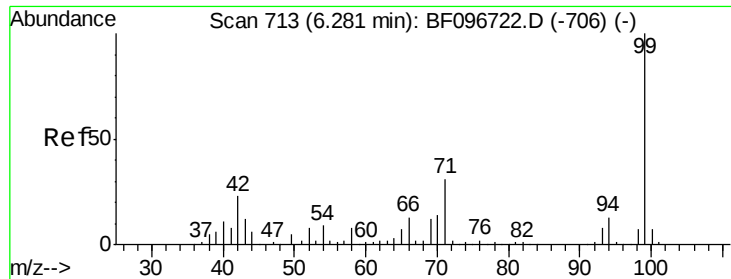
2-Fluorophenol
Concen: 23.372 ng
RT: 5.23 min Scan# 552
Delta R.T. 0.00 min
Lab File: BF096768.D
Acq: 14 Jul 2017 11:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.4	46.0	69.0
63	31.8	23.4	35.0



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: 24.593 ng

RT: 6.27 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF096768.D

Acq: 14 Jul 2017 11:46

Instrument :

BNA_F

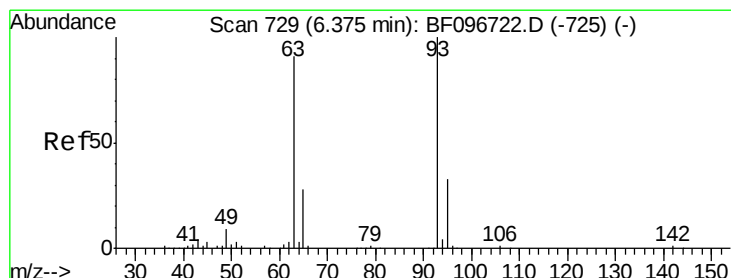
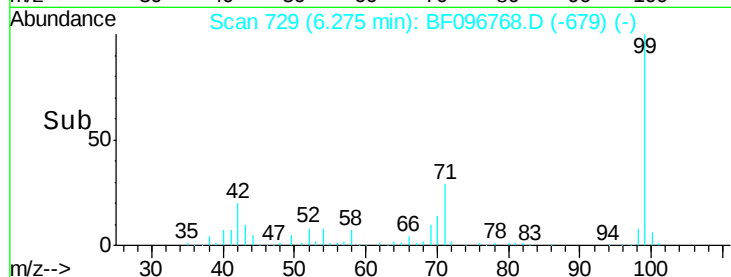
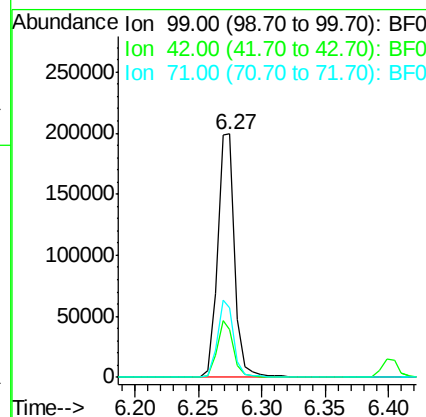
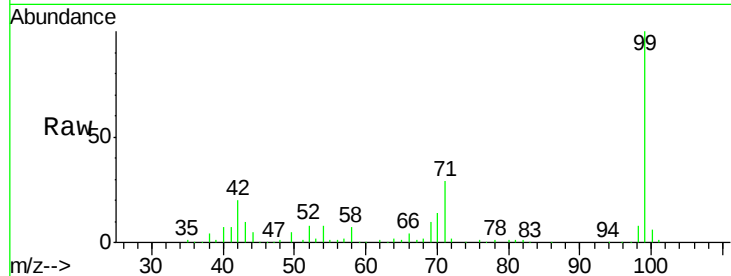
ClientSampleId :

E2-P6-ESWDL

Tgt Ion:	99	Resp:	191728
Ion Ratio	Lower	Upper	
99	100		
42	19.9	13.5	20.3
71	28.5	24.5	36.7

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#11

bis(2-Chloroethyl)ether

Concen: 3.086 ng

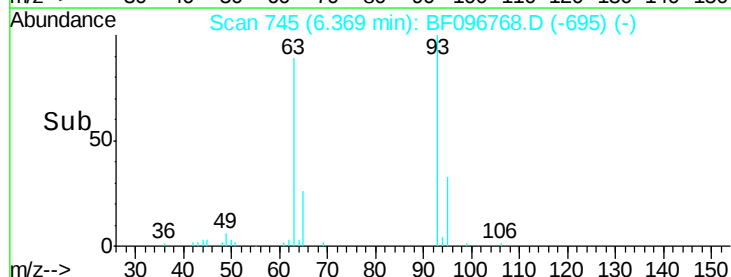
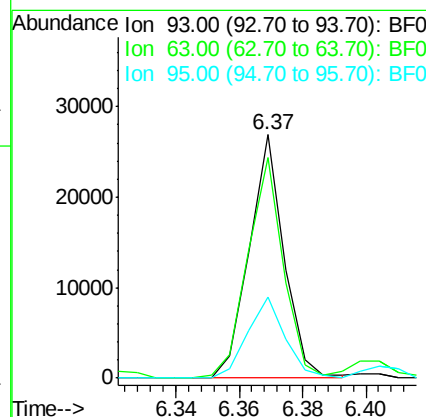
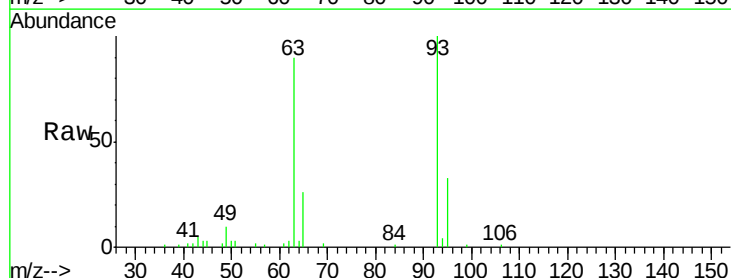
RT: 6.37 min Scan# 745

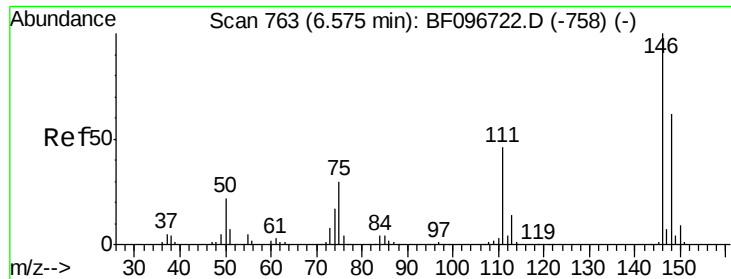
Delta R.T. -0.01 min

Lab File: BF096768.D

Acq: 14 Jul 2017 11:46

Tgt Ion:	93	Resp:	20450
Ion Ratio	Lower	Upper	
93	100		
63	90.4	59.2	99.2
95	33.4	12.8	52.8





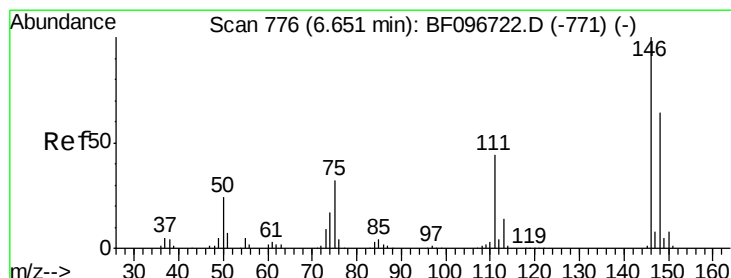
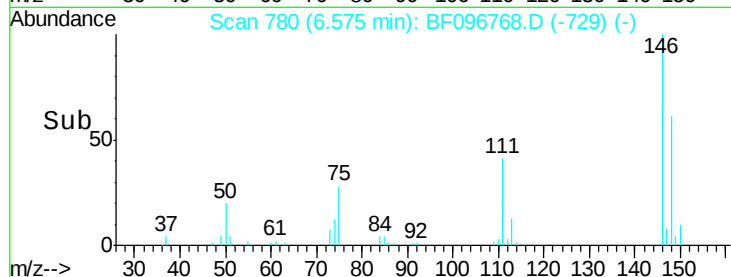
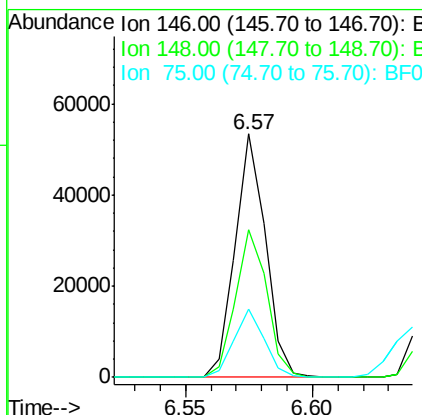
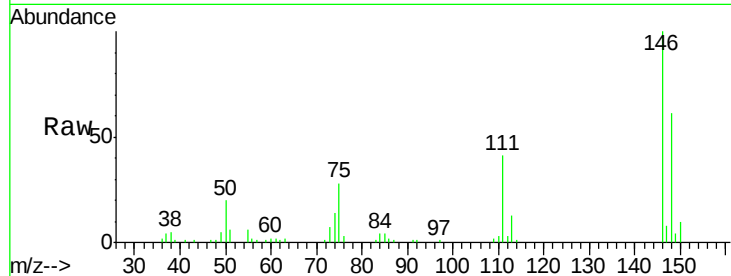
#12
 1,3-Dichlorobenzene
 Concen: 5.994 ng
 RT: 6.57 min Scan# 780
 Delta R.T. -0.00 min
 Lab File: BF096768.D
 Acq: 14 Jul 2017 11:46

Instrument :
 BNA_F
 ClientSampleId :
 E2-P6-ESWDL

Tgt Ion	Ratio	Lower	Upper
146	100		
148	60.6	51.8	77.6
75	28.0	23.1	34.7

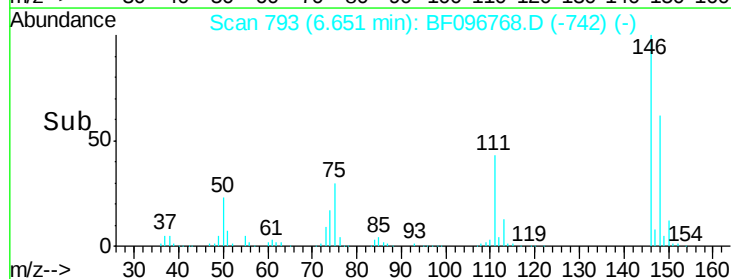
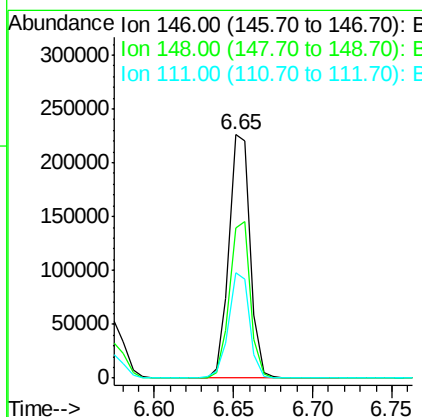
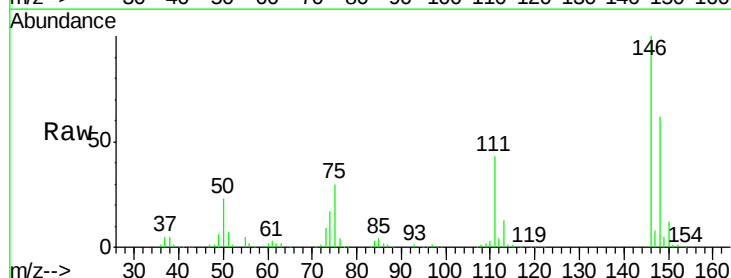
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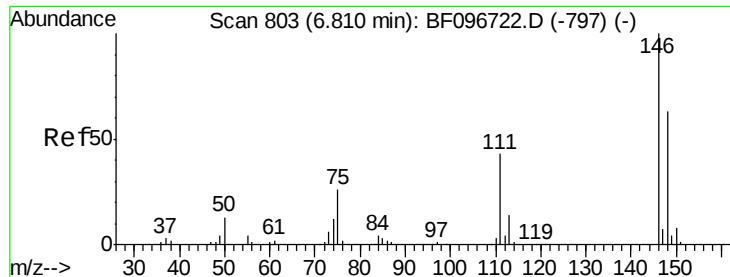
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#13
 1,4-Dichlorobenzene
 Concen: 27.951 ng
 RT: 6.65 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: BF096768.D
 Acq: 14 Jul 2017 11:46

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.7	52.2	78.2
111	43.4	30.3	45.5





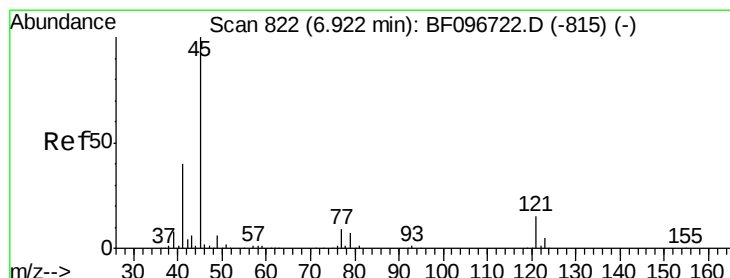
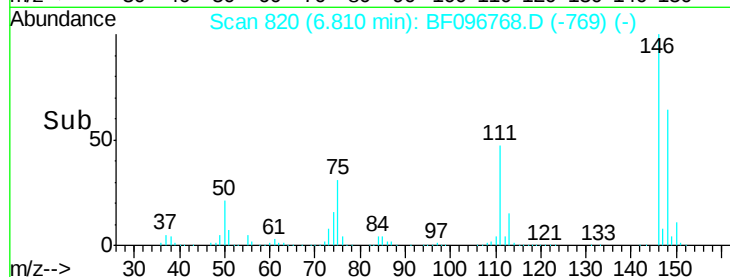
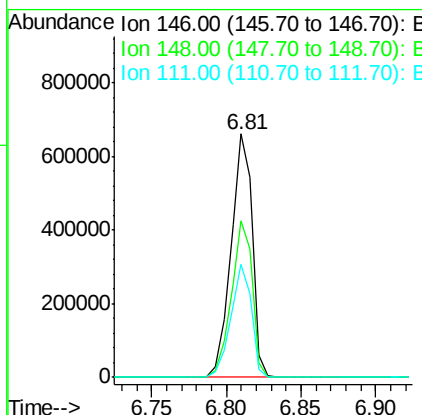
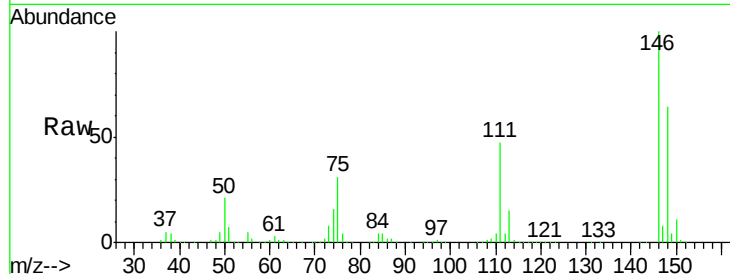
#14
 1,2-Dichlorobenzene
 Concen: 96.704 ng
 RT: 6.81 min Scan# 820
 Delta R.T. -0.00 min
 Lab File: BF096768.D
 Acq: 14 Jul 2017 11:46

Instrument :
 BNA_F
 ClientSampleId :
 E2-P6-ESWDL

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.4	75.6
111	46.5	38.2	57.4

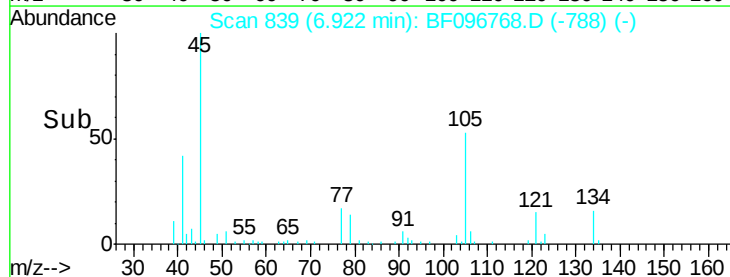
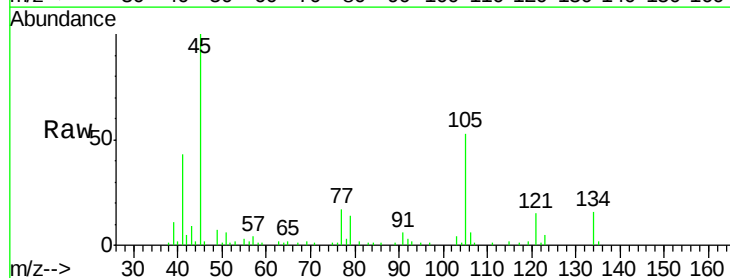
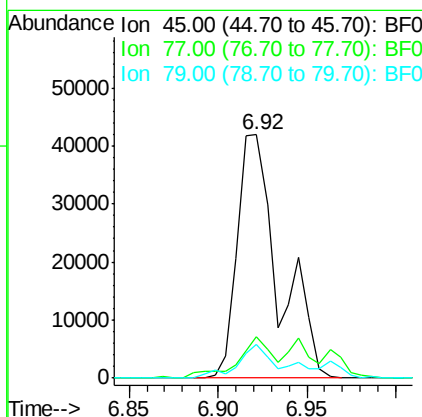
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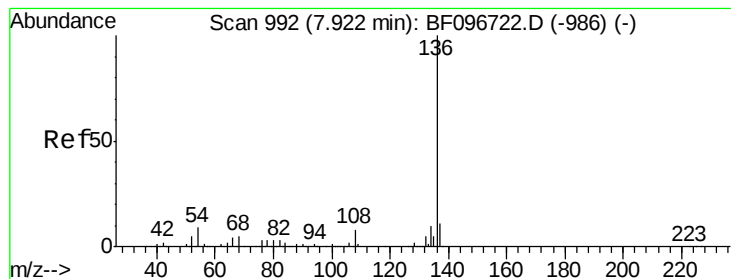
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#16
 2,2'-oxybis(1-Chloropropane)
 Concen: 4.975 ng m
 RT: 6.92 min Scan# 839
 Delta R.T. -0.00 min
 Lab File: BF096768.D
 Acq: 14 Jul 2017 11:46

Tgt Ion	Ratio	Lower	Upper
45	100		
77	17.0	0.0	33.2
79	13.7	0.0	30.0





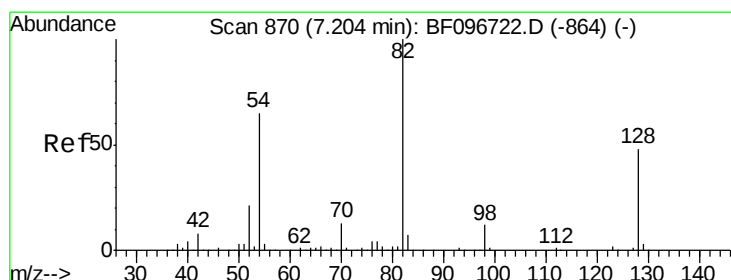
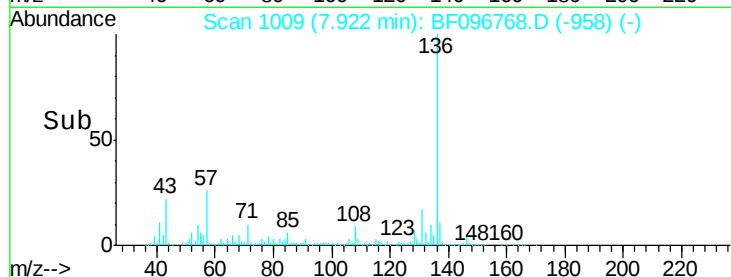
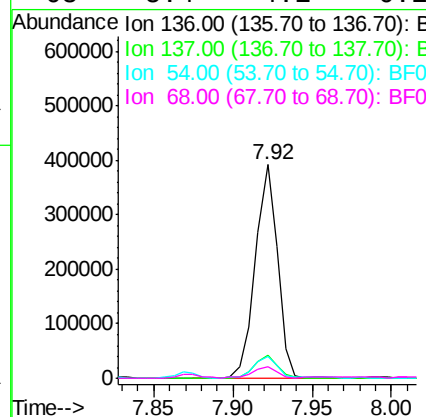
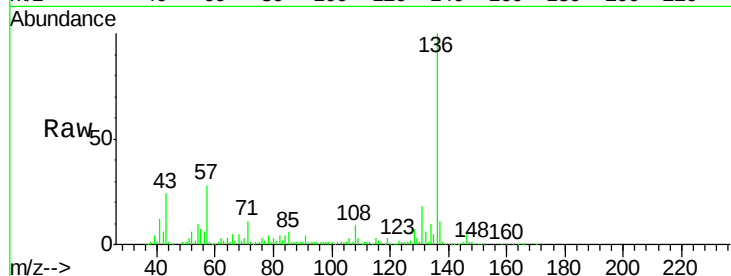
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.92 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF096768.D
Acq: 14 Jul 2017 11:46

Instrument :
BNA_F
ClientSampleId :
E2-P6-ESWDL

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	382377		
137	11.1	8.5	12.7	
54	10.3	4.9	7.3#	
68	5.4	4.1	6.1	

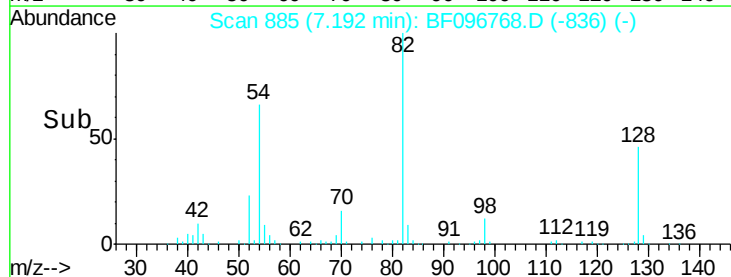
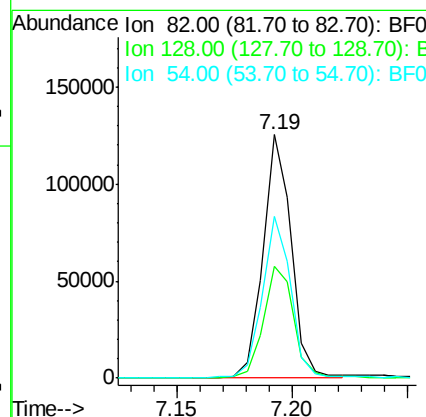
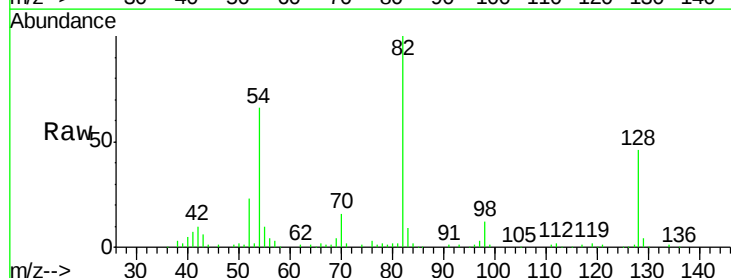
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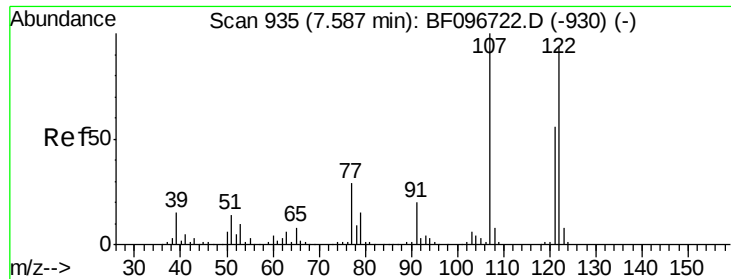
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#23
Nitrobenzene-d5
Concen: 17.297 ng
RT: 7.19 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF096768.D
Acq: 14 Jul 2017 11:46

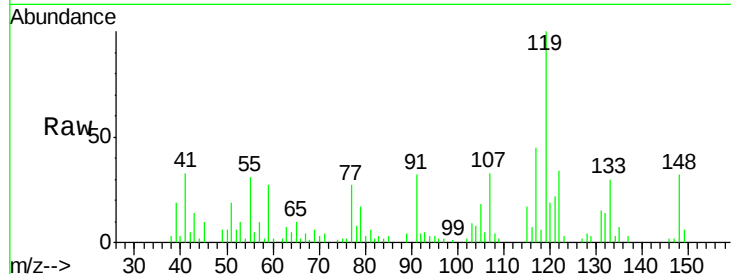
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	106782		
128	46.1	34.0	51.0	
54	66.4	42.2	63.2#	





#27
 2,4-Dimethylphenol
 Concen: 2.123 ng
 RT: 7.59 min Scan# 952
 Delta R.T. -0.00 min
 Lab File: BF096768.D
 Acq: 14 Jul 2017 11:46

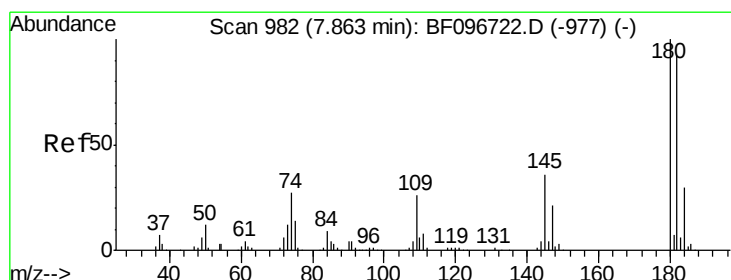
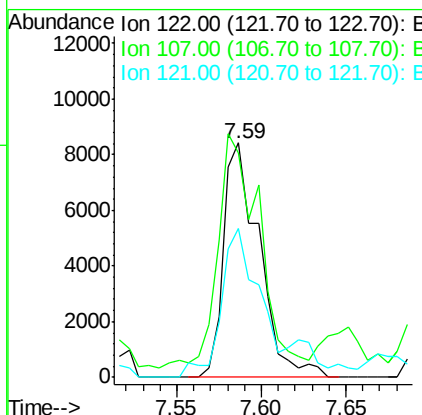
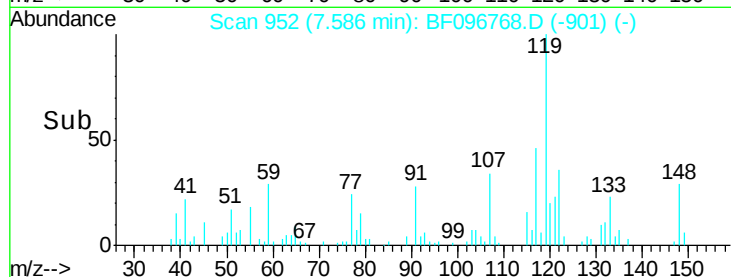
Instrument :
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 E2-P6-ESWDL



Tgt Ion:	122	Resp:	12397
Ion Ratio	Lower	Upper	
122	100		
107	96.1	89.2	133.8
121	63.4	45.2	67.8

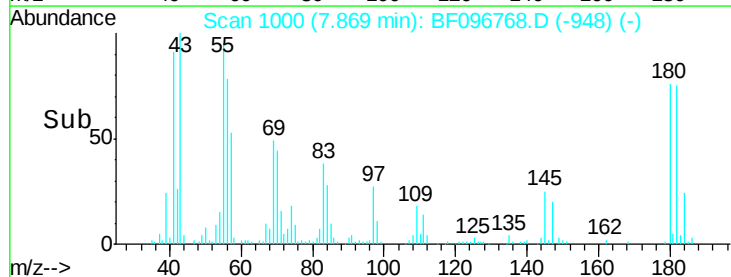
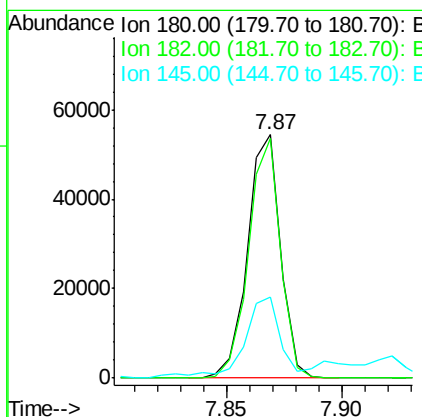
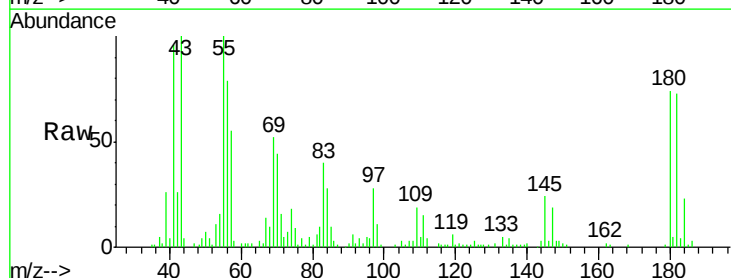
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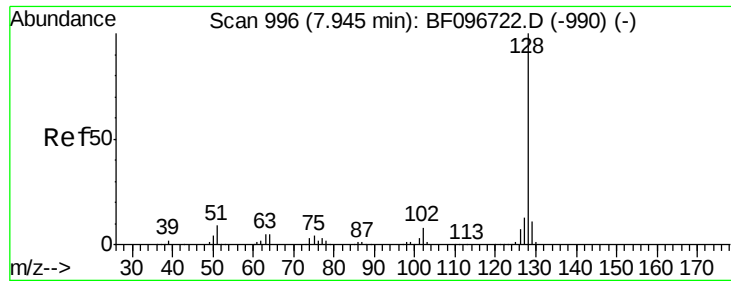
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#30
 1,2,4-Trichlorobenzene
 Concen: 10.832 ng
 RT: 7.87 min Scan# 1000
 Delta R.T. 0.01 min
 Lab File: BF096768.D
 Acq: 14 Jul 2017 11:46

Tgt Ion:	180	Resp:	54447
Ion Ratio	Lower	Upper	
180	100		
182	98.7	75.8	113.6
145	33.2	25.3	37.9





#31

Naphthalene

Concen: 88.735 ng

RT: 7.95 min Scan# 1013

Delta R.T. -0.00 min

Lab File: BF096768.D

Acq: 14 Jul 2017 11:46

Instrument :

BNA_F

ClientSampleId :

E2-P6-ESWDL

Tgt Ion:128 Resp: 1607348

Ion Ratio Lower Upper

128 100

129 11.6 9.0 13.6

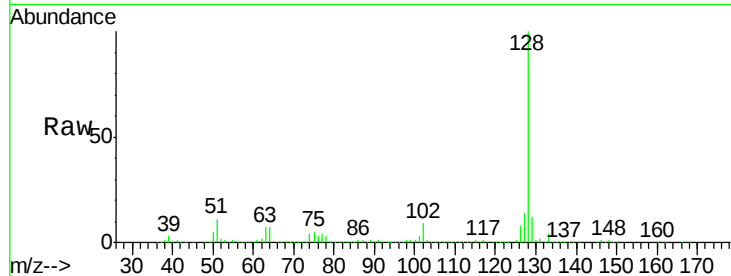
127 13.9 10.8 16.2

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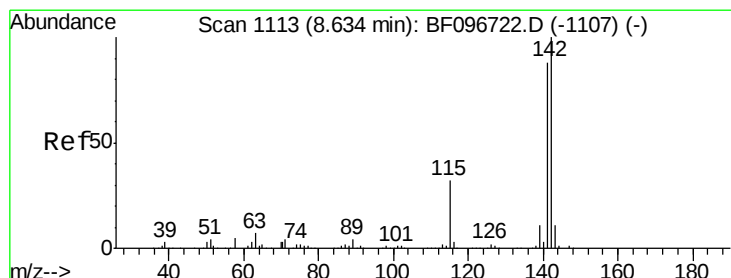
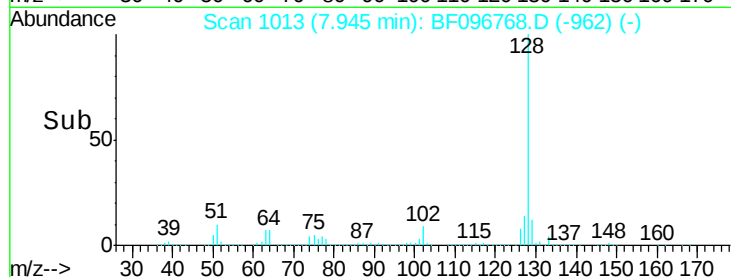
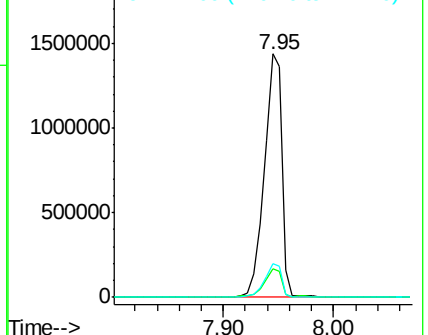
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 170.571 ng

RT: 8.65 min Scan# 1133

Delta R.T. 0.02 min

Lab File: BF096768.D

Acq: 14 Jul 2017 11:46

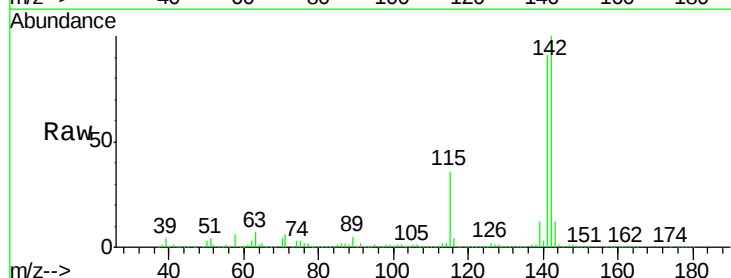
Tgt Ion:142 Resp: 1969806

Ion Ratio Lower Upper

142 100

141 91.1 71.3 106.9

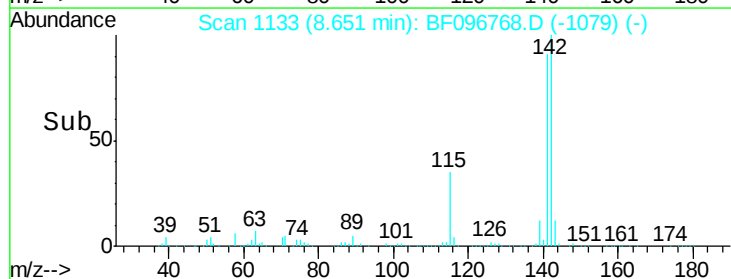
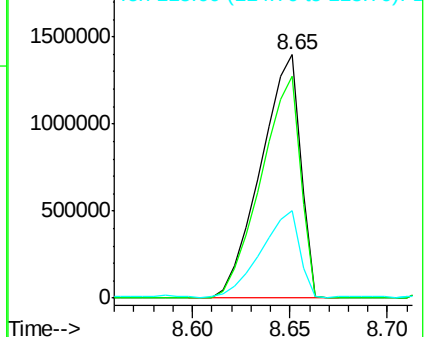
115 35.7 27.1 40.7

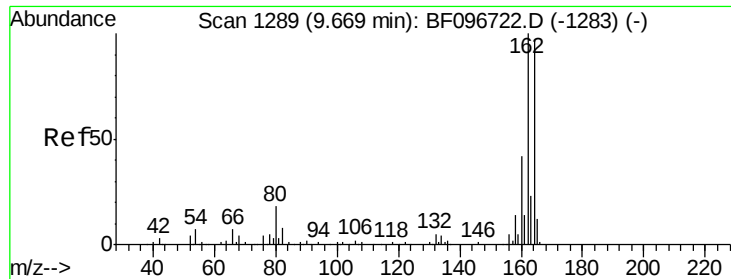


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





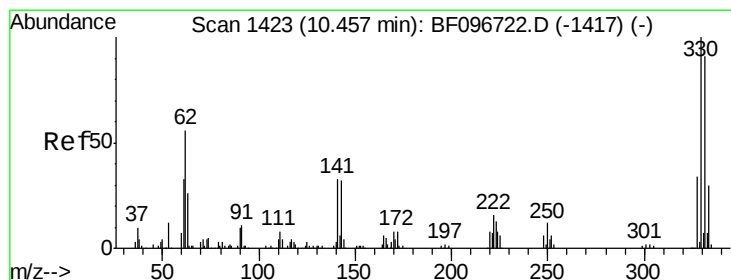
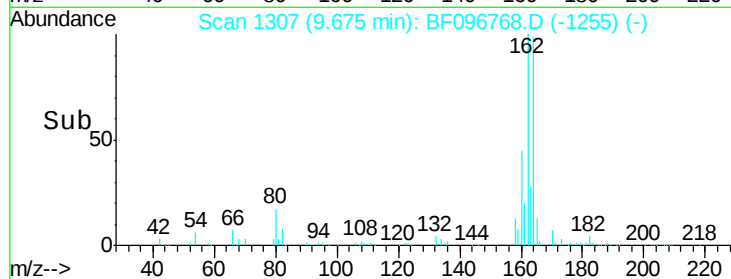
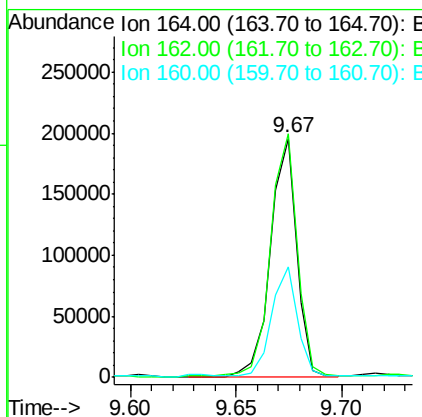
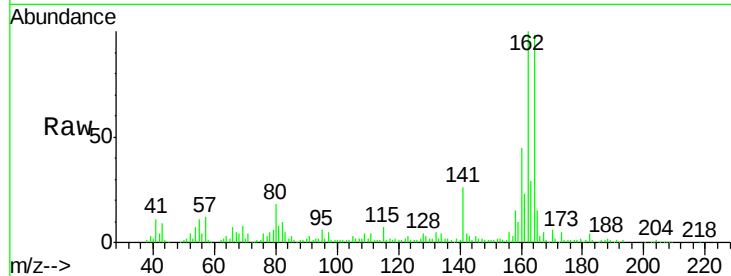
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.67 min Scan# 1307
 Delta R.T. 0.01 min
 Lab File: BF096768.D
 Acq: 14 Jul 2017 11:46

Instrument :
 BNA_F
 ClientSampleId :
 E2-P6-ESWDL

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	168249		
162	101.9	82.6	123.8	
160	46.2	36.2	54.2	

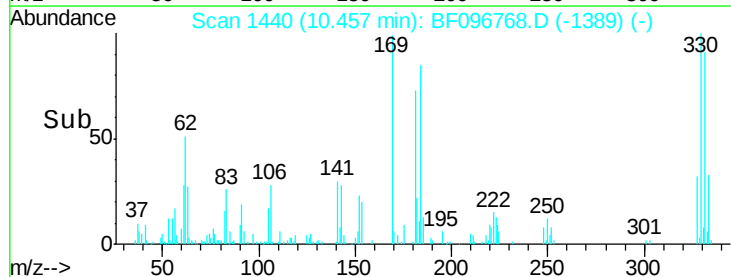
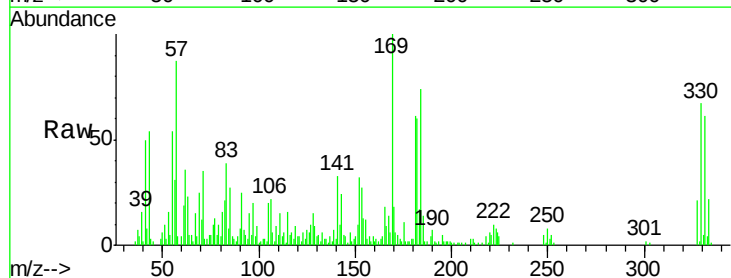
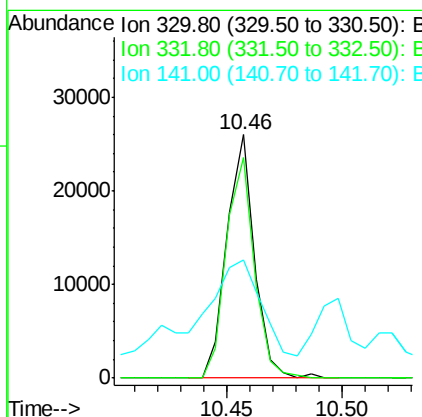
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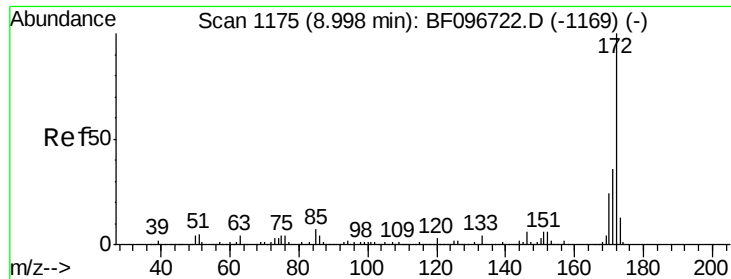
mohammad
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#41
 2,4,6-Tribromophenol
 Concen: 15.010 ng
 RT: 10.46 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: BF096768.D
 Acq: 14 Jul 2017 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	21556		
332	92.5	76.6	115.0	
141	83.9	31.4	47.2#	





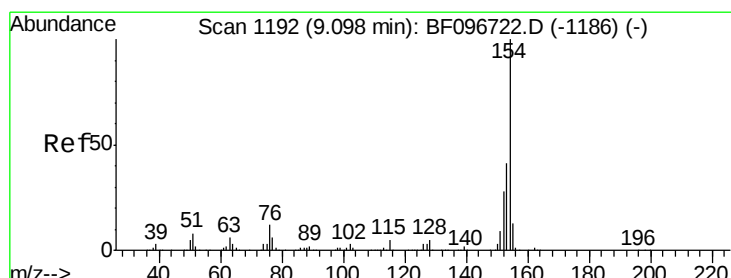
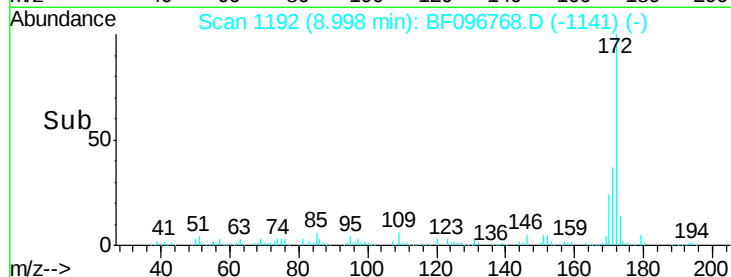
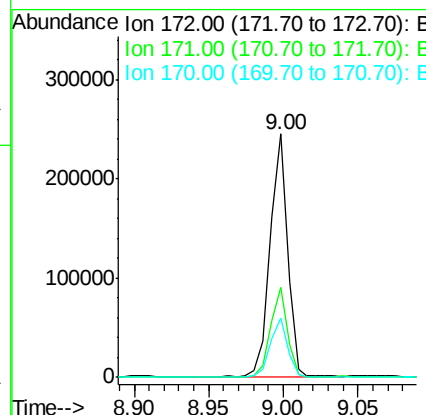
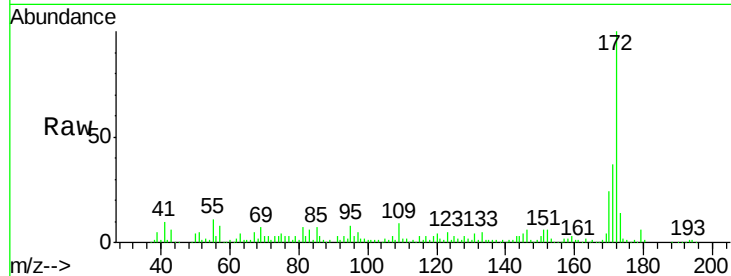
#44
2-Fluorobiphenyl
Concen: 18.789 ng
RT: 9.00 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BF096768.D
Acq: 14 Jul 2017 11:46

Instrument :
BNA_F
ClientSampleId :
E2-P6-ESWDL

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	24.3	19.8	29.8

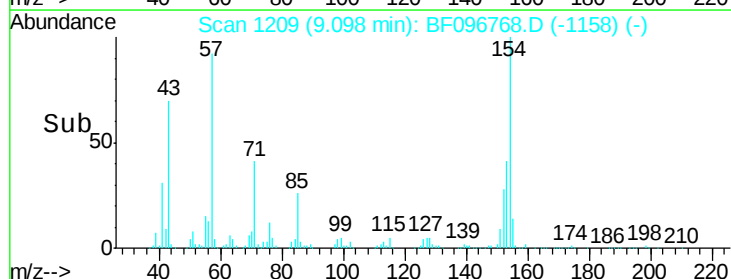
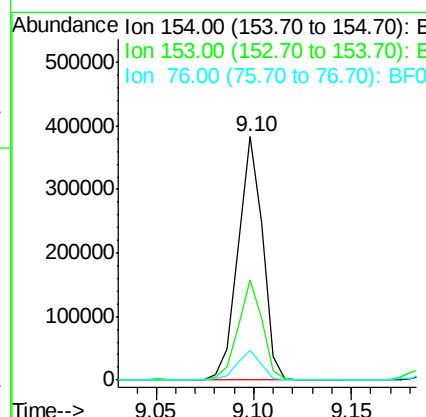
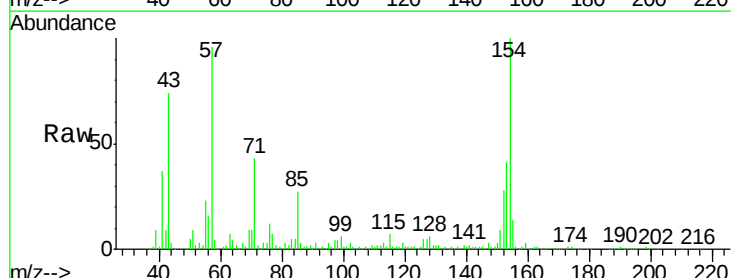
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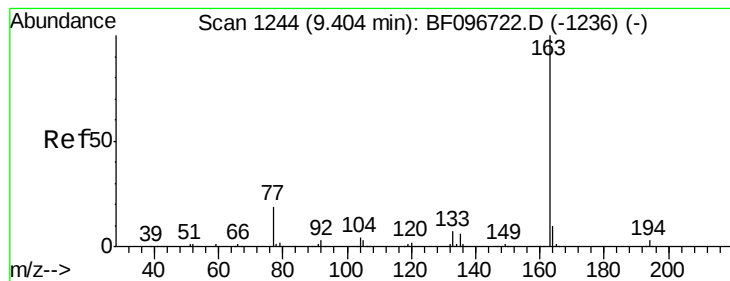
mohammad
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#45
1,1'-Biphenyl
Concen: 23.077 ng
RT: 9.10 min Scan# 1209
Delta R.T. -0.00 min
Lab File: BF096768.D
Acq: 14 Jul 2017 11:46

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.0	21.2	61.2
76	12.5	0.0	29.9





#49

Dimethylphthalate

Concen: 2.524 ng

RT: 9.39 min Scan# 1259

Delta R.T. -0.01 min

Lab File: BF096768.D

Acq: 14 Jul 2017 11:46

Instrument :

BNA_F

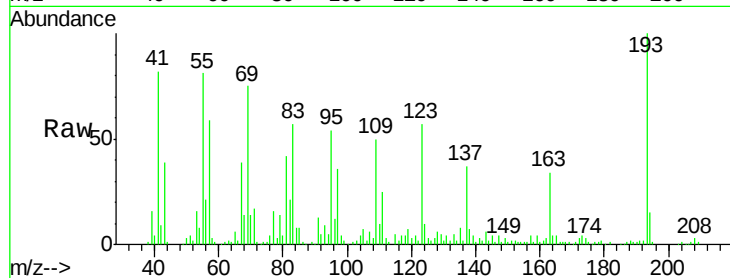
ClientSampleId :

E2-P6-ESWDL

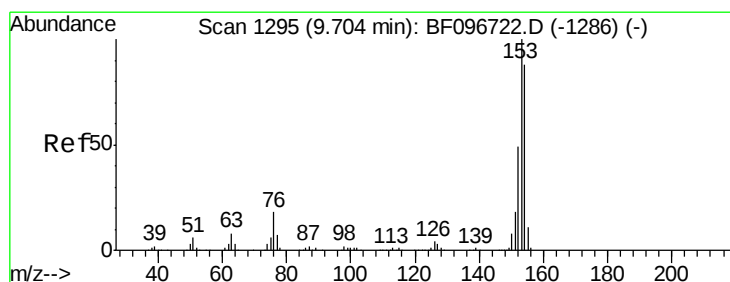
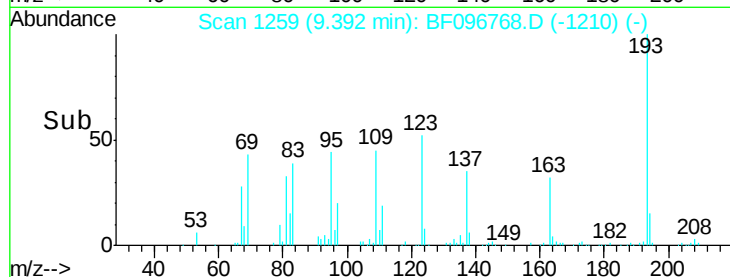
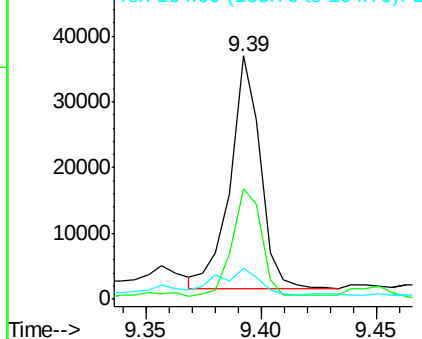
Tgt Ion:	163	Resp:	31976
Ion Ratio	Lower	Upper	
163	100		
194	45.6	2.6	4.0#
164	12.6	8.4	12.6#

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 16.728 ng

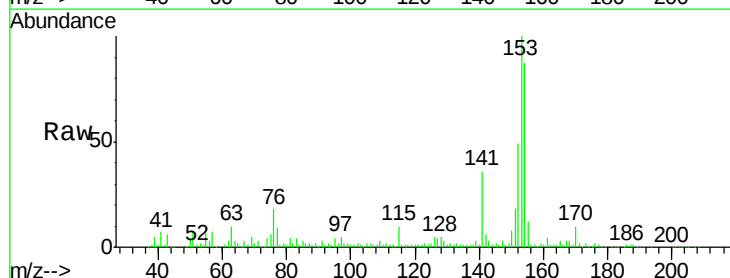
RT: 9.70 min Scan# 1312

Delta R.T. -0.00 min

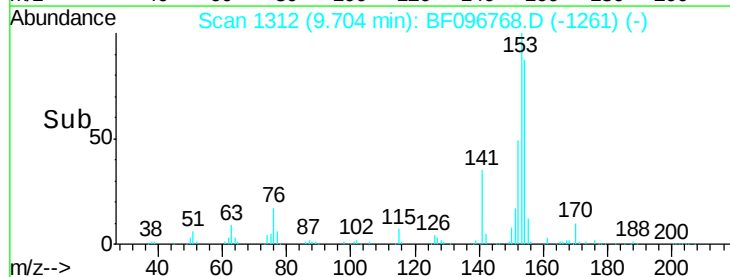
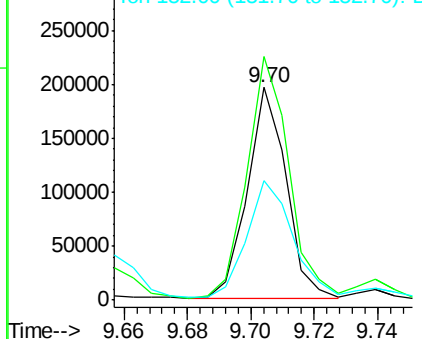
Lab File: BF096768.D

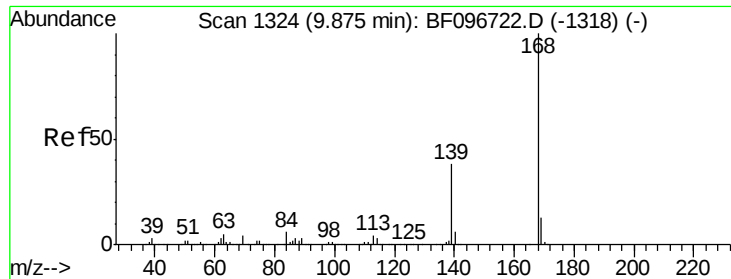
Acq: 14 Jul 2017 11:46

Tgt Ion:	154	Resp:	167301
Ion Ratio	Lower	Upper	
154	100		
153	114.5	90.5	135.7
152	56.5	43.6	65.4



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





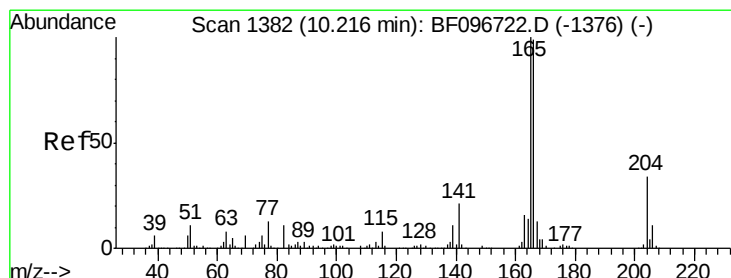
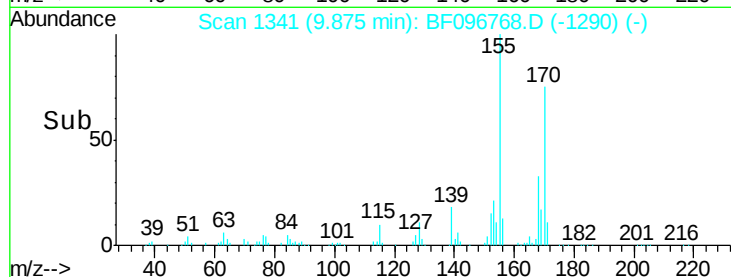
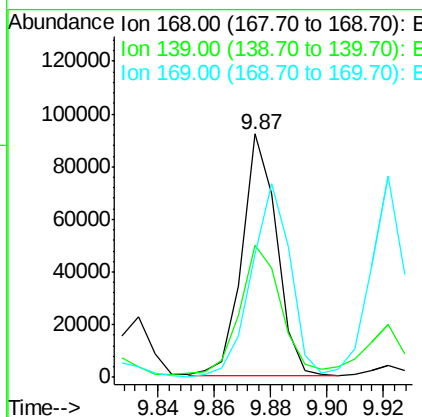
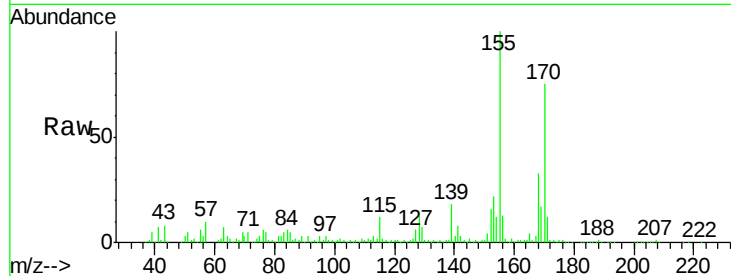
#54
Dibenzenofuran
Concen: 5.551 ng
RT: 9.87 min Scan# 1341
Delta R.T. -0.00 min
Lab File: BF096768.D
Acq: 14 Jul 2017 11:46

Instrument :
BNA_F
ClientSampleId :
E2-P6-ESWDL

Tgt Ion	Ratio	Lower	Upper
168	100		
139	54.4	30.6	45.8#
169	50.6	10.8	16.2#

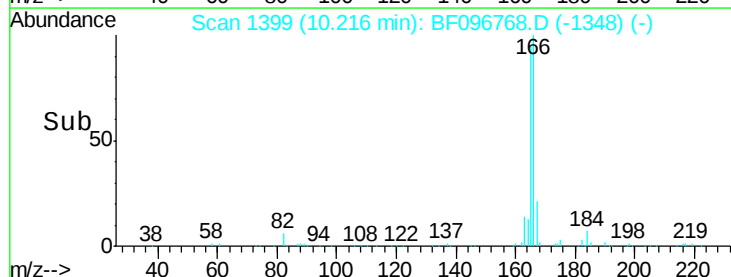
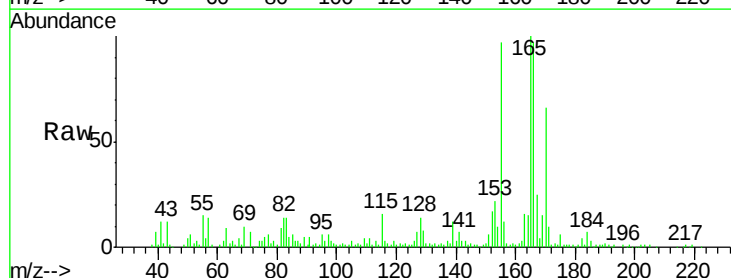
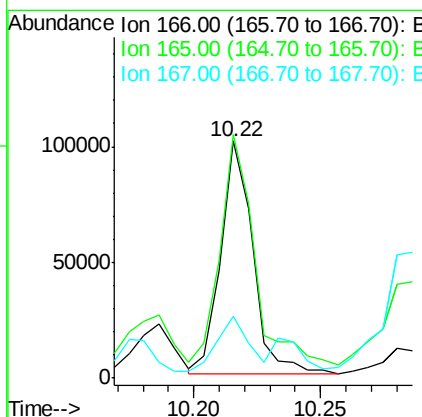
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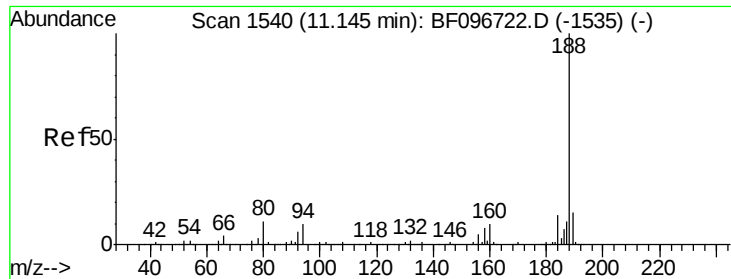
mohammad
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#57
Fluorene
Concen: 8.601 ng
RT: 10.22 min Scan# 1399
Delta R.T. 0.00 min
Lab File: BF096768.D
Acq: 14 Jul 2017 11:46

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.8	78.8	118.2
167	26.1	10.6	16.0#





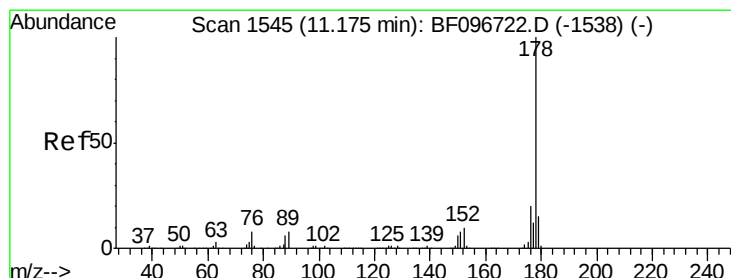
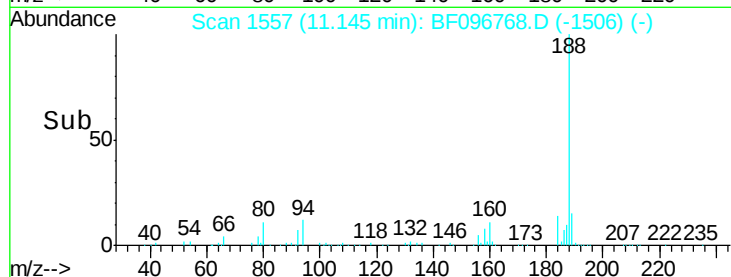
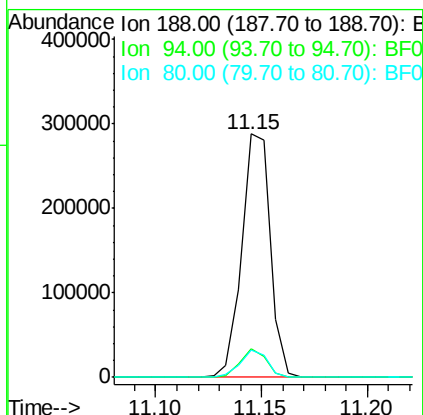
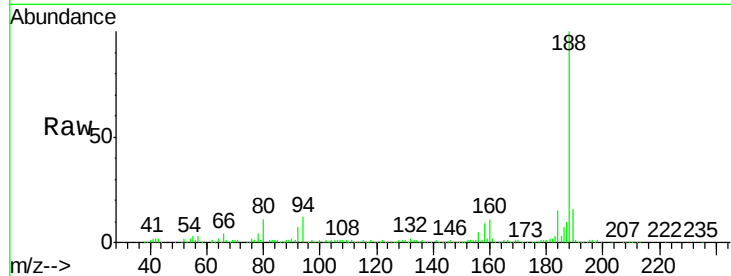
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.15 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BF096768.D
Acq: 14 Jul 2017 11:46

Instrument :
BNA_F
ClientSampleId :
E2-P6-ESWDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.0	9.4	14.2
80	11.3	10.2	15.2

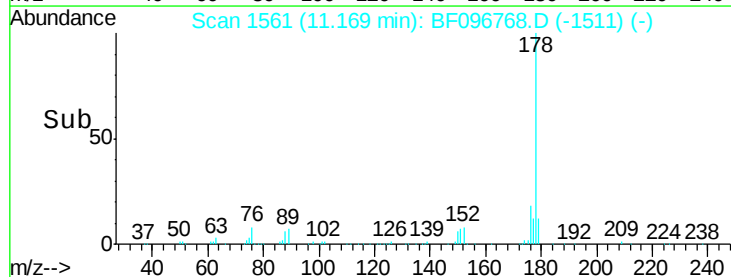
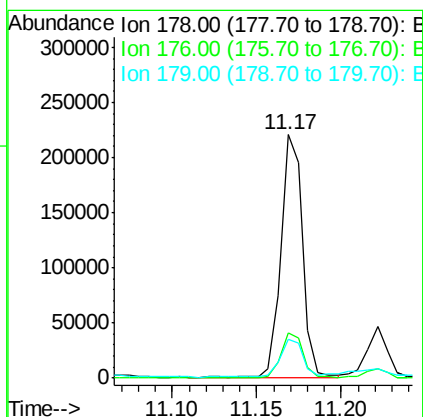
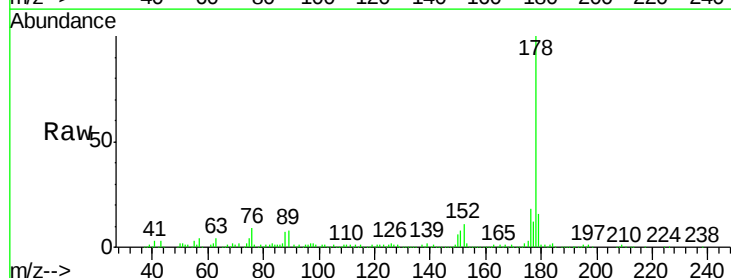
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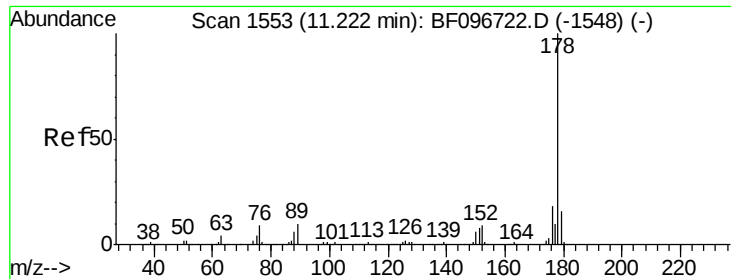
mohammad
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#70
Phenanthrene
Concen: 13.354 ng
RT: 11.17 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF096768.D
Acq: 14 Jul 2017 11:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.5	16.2	24.4
179	16.1	12.6	19.0





#71

Anthracene

Concen: 2.405 ng

RT: 11.22 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BF096768.D

Acq: 14 Jul 2017 11:46

Instrument :

BNA_F

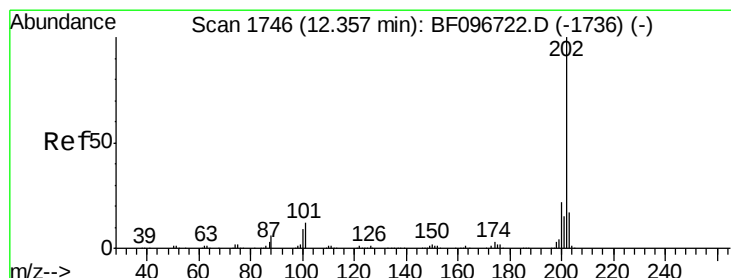
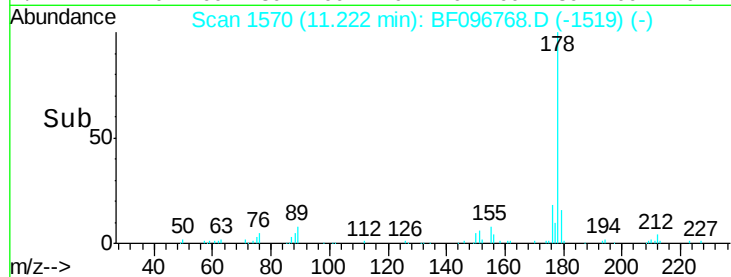
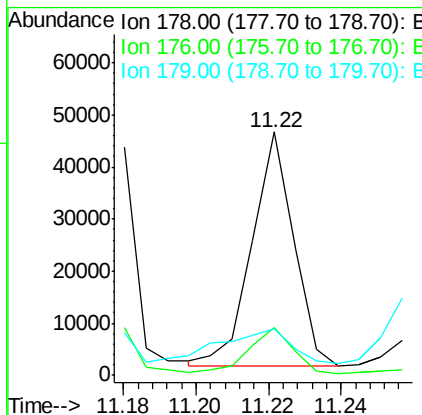
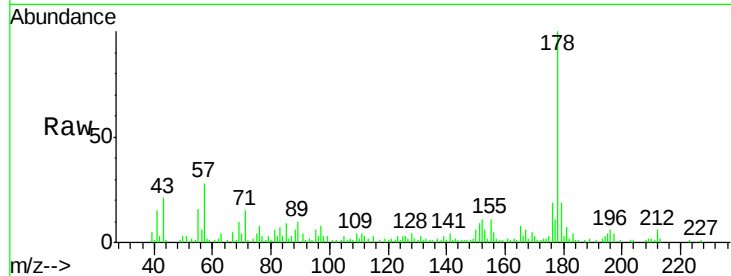
ClientSampleId :

E2-P6-ESWDL

Tgt Ion:	178	Resp:	35639
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.8	23.8
179	18.9	12.7	19.1

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#74

Fluoranthene

Concen: 2.144 ng

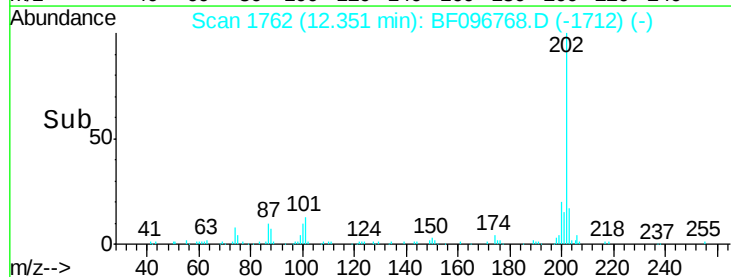
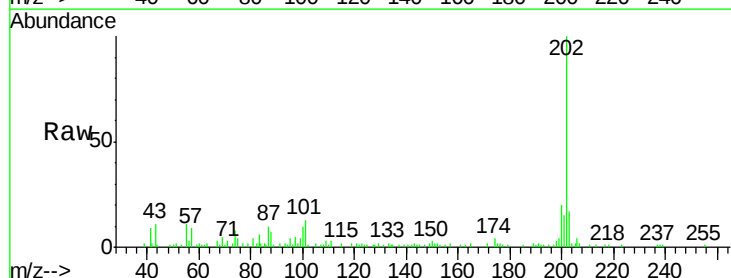
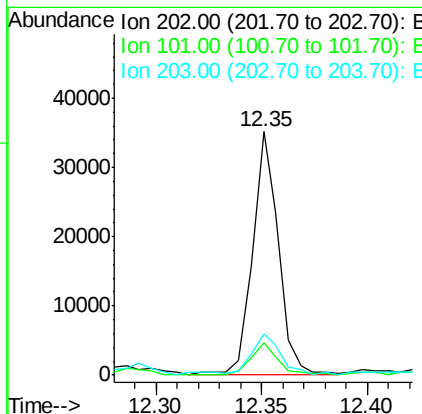
RT: 12.35 min Scan# 1762

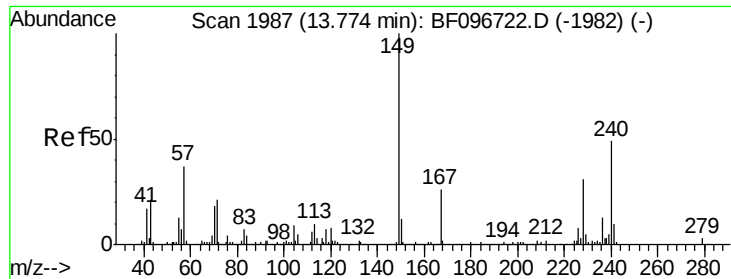
Delta R.T. -0.01 min

Lab File: BF096768.D

Acq: 14 Jul 2017 11:46

Tgt Ion:	202	Resp:	30082
Ion Ratio	Lower	Upper	
202	100		
101	13.5	0.0	33.2
203	17.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.77 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF096768.D

Acq: 14 Jul 2017 11:46

Instrument :

BNA_F

ClientSampleId :

E2-P6-ESWDL

Tgt Ion:240 Resp: 160336
Ion Ratio Lower Upper

240 100

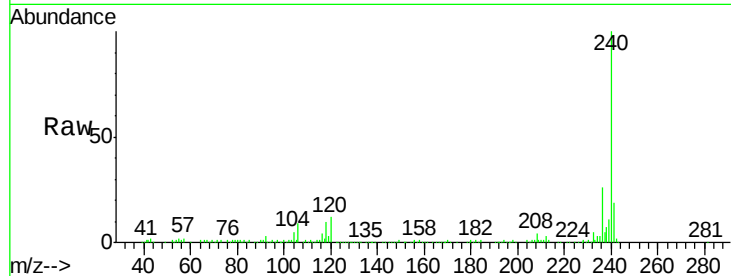
120 12.2 5.8 8.8#

236 26.0 20.5 30.7

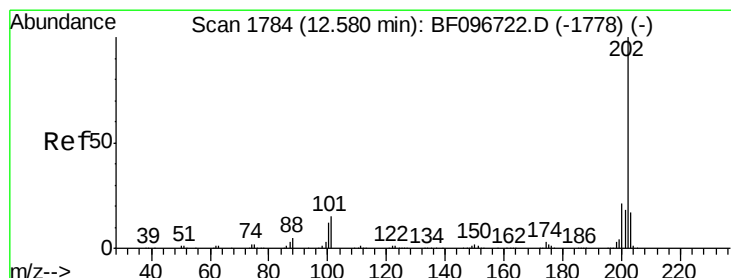
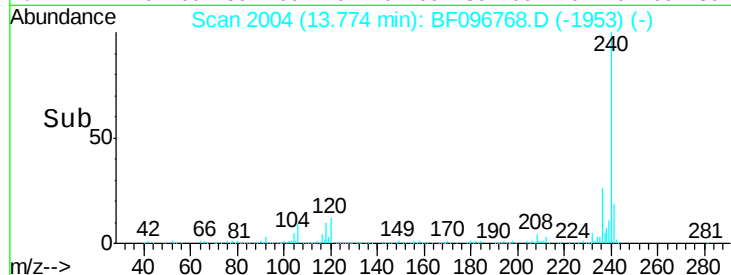
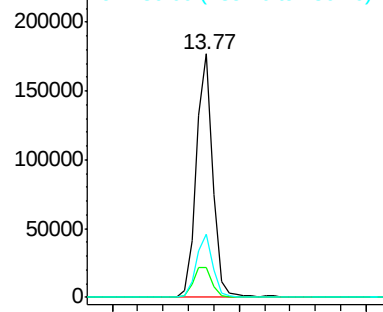
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.439 ng

RT: 12.58 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF096768.D

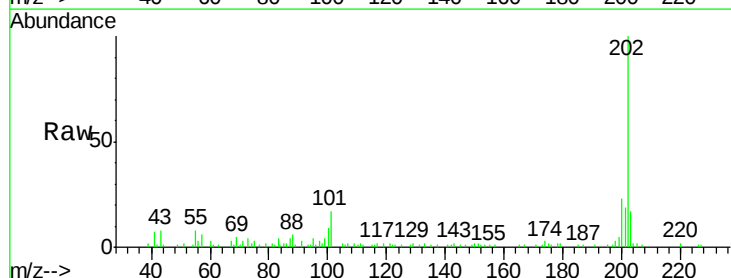
Acq: 14 Jul 2017 11:46

Tgt Ion:202 Resp: 35490
Ion Ratio Lower Upper

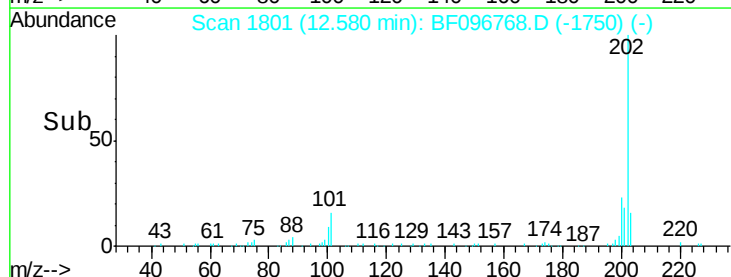
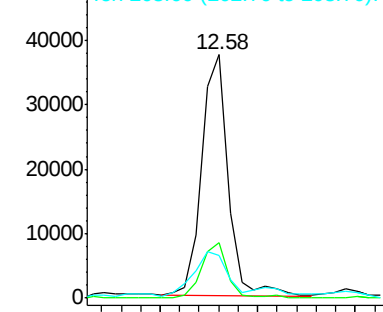
202 100

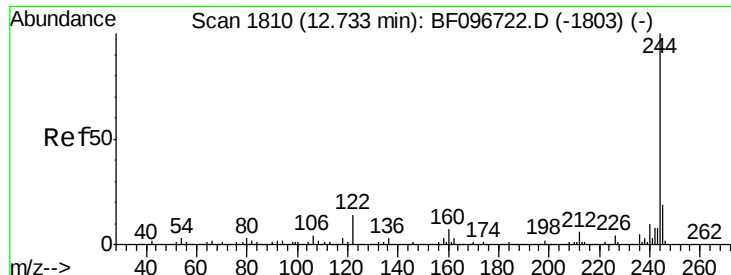
200 23.0 17.6 26.4

203 17.3 14.4 21.6



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: 14.289 ng

RT: 12.73 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF096768.D

Acq: 14 Jul 2017 11:46

Instrument :

BNA_F

ClientSampleId :

E2-P6-ESWDL

Tgt Ion:244 Resp: 132108
Ion Ratio Lower Upper

244 100

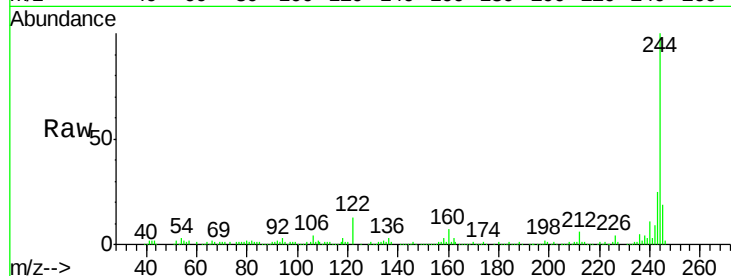
212 5.8 6.0 9.0#

122 13.5 10.3 15.5

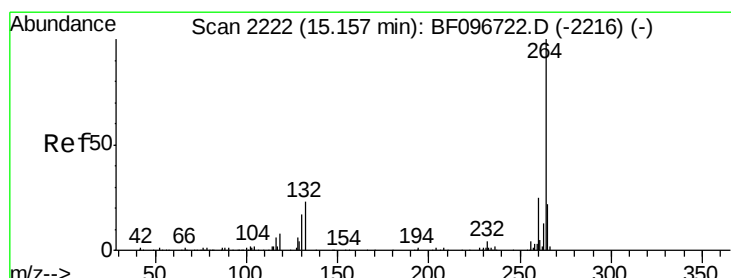
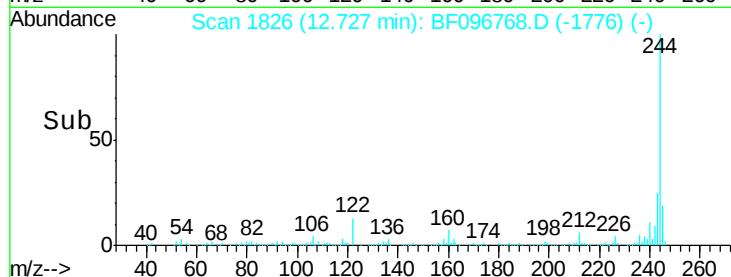
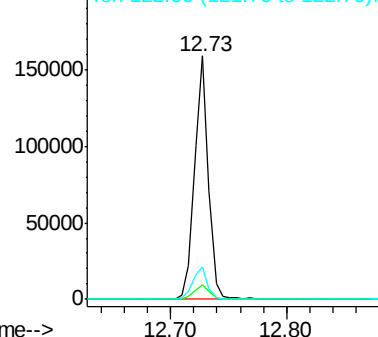
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.16 min Scan# 2239

Delta R.T. -0.00 min

Lab File: BF096768.D

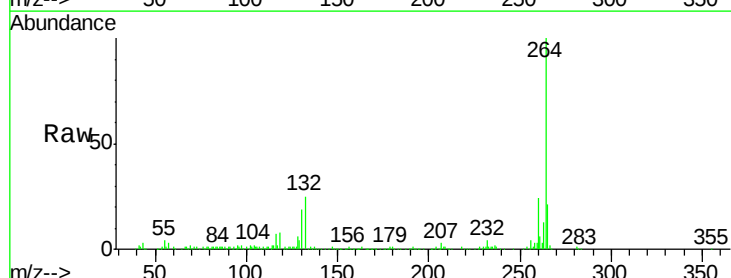
Acq: 14 Jul 2017 11:46

Tgt Ion:264 Resp: 158714
Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

265 21.5 17.2 25.8



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

