

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
 Data File : BF096943.D
 Acq On : 21 Jul 2017 14:45
 Operator : SJ/JU
 Sample : I4253-04 20X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-NSW

Manual Integrations
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 7/24/2017 3:05:11 PM

Quant Time: Jul 22 00:16:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	96779	20.00	ng	-0.05
21) Naphthalene-d8	7.83	136	431261	20.00	ng	-0.05
38) Acenaphthene-d10	9.58	164	192941	20.00	ng	-0.05
63) Phenanthrene-d10	11.06	188	316963	20.00	ng	-0.05
75) Chrysene-d12	13.68	240	229775	20.00	ng	-0.05
86) Perylene-d12	15.04	264	187754	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	36755	5.71	ng	-0.05
7) Phenol-d6	6.20	99	39257	5.08	ng	-0.05
23) Nitrobenzene-d5	7.12	82	25389	3.65	ng	-0.05
41) 2,4,6-Tribromophenol	10.37	330	9376	5.69	ng	-0.05
44) 2-Fluorobiphenyl	8.91	172	53213	4.36	ng	-0.05
78) Terphenyl-d14	12.64	244	39840	3.01	ng	-0.05
Target Compounds						
11) bis(2-Chloroethyl)ether	6.29	93	25721	3.917	ng	Qvalue 91
13) 1,4-Dichlorobenzene	6.57	146	50489	6.755	ng	96
14) 1,2-Dichlorobenzene	6.72	146	184832	27.186	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.84	45	70488m	5.202	ng	
31) Naphthalene	7.86	128	290315	14.210	ng	99
37) 2-Methylnaphthalene	8.55	142	525483	40.345	ng	99
45) 1,1'-Biphenyl	9.01	154	60445	3.653	ng	98
51) Acenaphthene	9.62	154	48479	4.227	ng	97
54) Dibenzofuran	9.79	168	39104	2.433	ng	# 64
57) Fluorene	10.13	166	29567	2.490	ng	# 93
59) Diethylphthalate	10.01	149	31496	2.227	ng	99
70) Phenanthrene	11.08	178	49599	2.878	ng	98

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

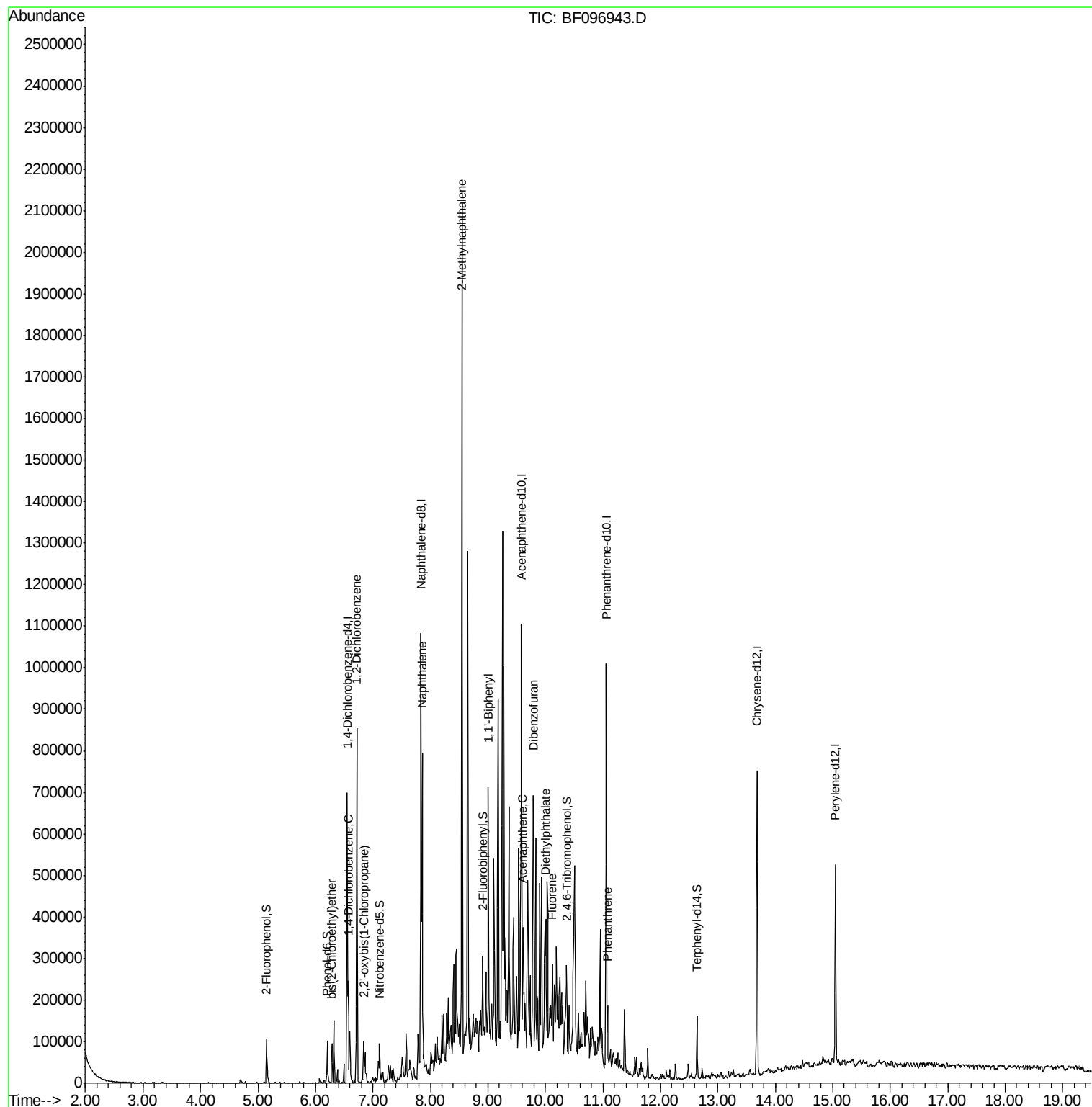
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
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ALS Vial : 8 Sample Multiplier: 1

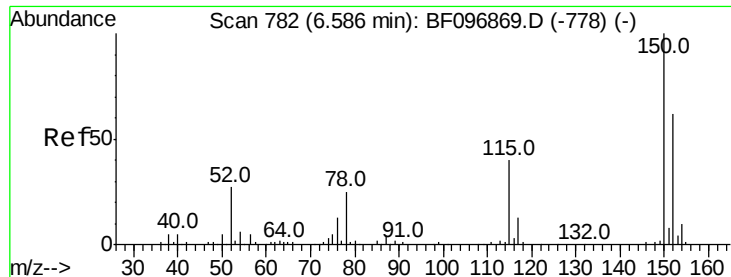
Instrument :
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ClientSampleId :
E2-O-P-6-7-NSW

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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

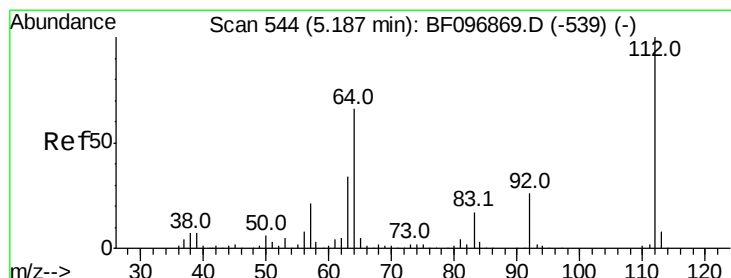
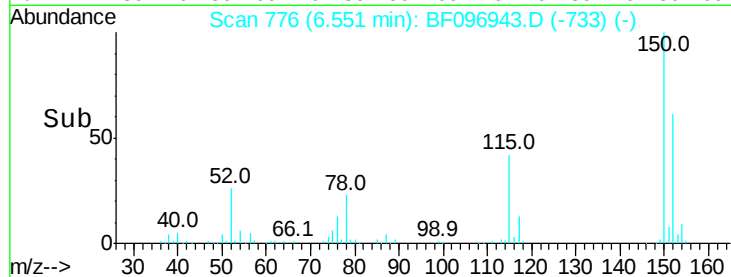
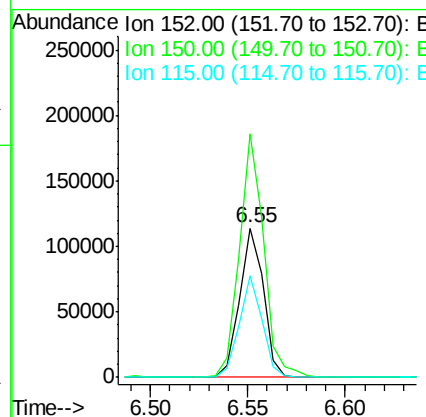
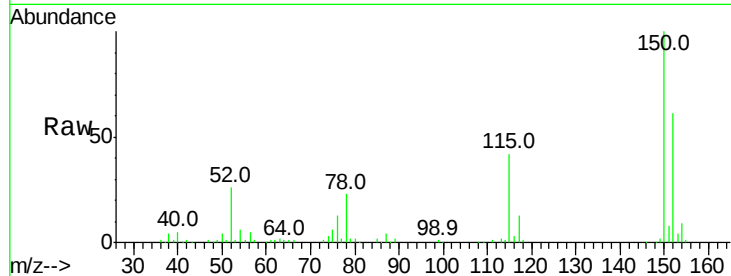
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.55 min Scan# 776
Delta R.T. -0.05 min
Lab File: BF096943.D
Acq: 21 Jul 2017 14:45

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-NSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.5	126.2	189.2
115	68.1	52.2	78.2

Manual Integrations
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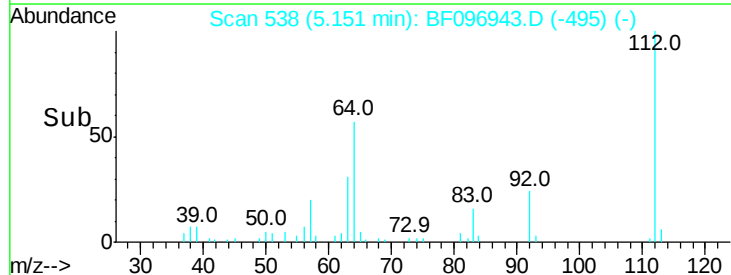
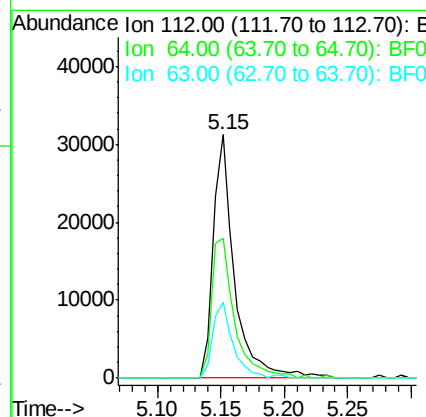
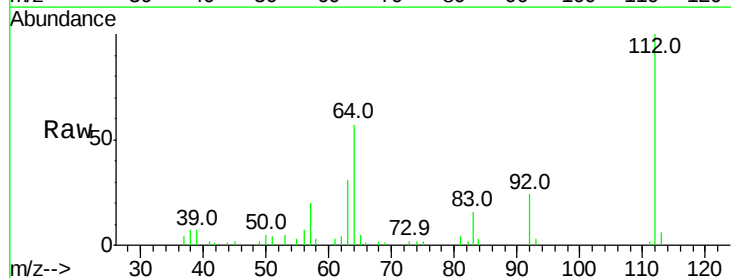
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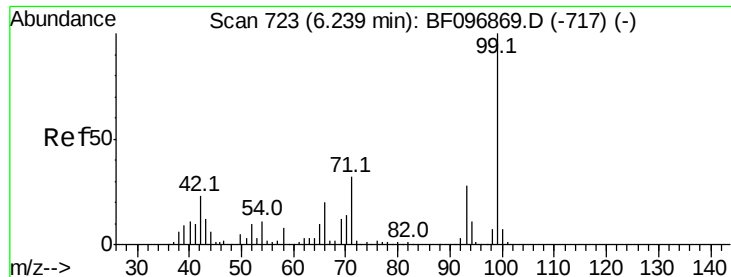


#5

2-Fluorophenol
Concen: 5.710 ng
RT: 5.15 min Scan# 538
Delta R.T. -0.05 min
Lab File: BF096943.D
Acq: 21 Jul 2017 14:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	46.0	69.0
63	31.4	23.4	35.0





#7

Phenol-d6

Concen: 5.082 ng

RT: 6.20 min Scan# 717

Delta R.T. -0.05 min

Lab File: BF096943.D

Acq: 21 Jul 2017 14:45

Instrument :

BNA_F

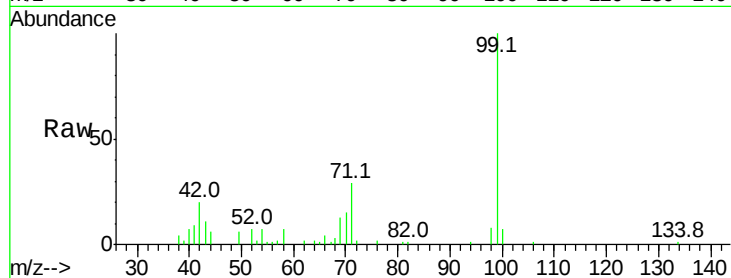
ClientSampleId :

E2-O-P-6-7-NSW

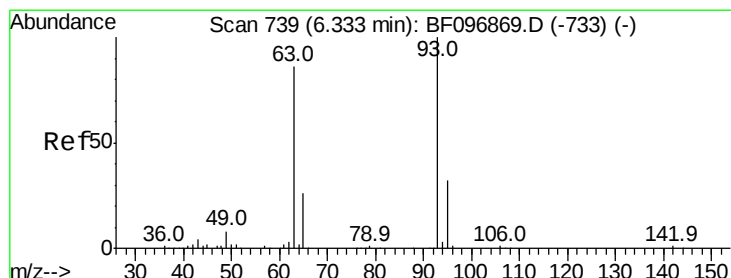
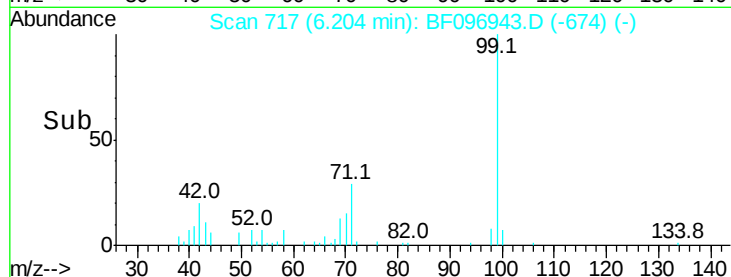
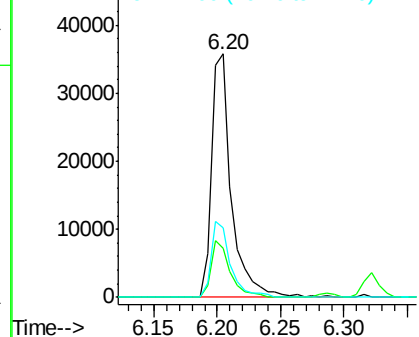
Tot Ion:	99	Resp:	39257
Ion Ratio	Lower	Upper	
99	100		
42	20.2	13.5	20.3
71	28.6	24.5	36.7

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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



#11

bis(2-Chloroethyl)ether

Concen: 3.917 ng

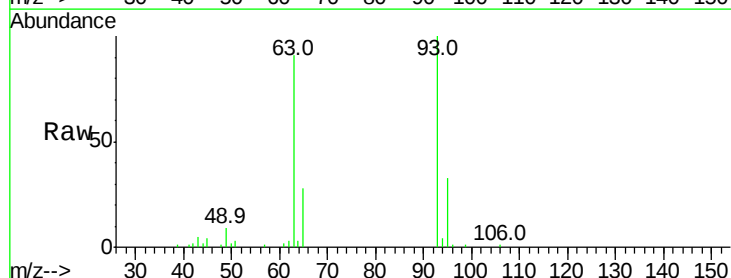
RT: 6.29 min Scan# 731

Delta R.T. -0.06 min

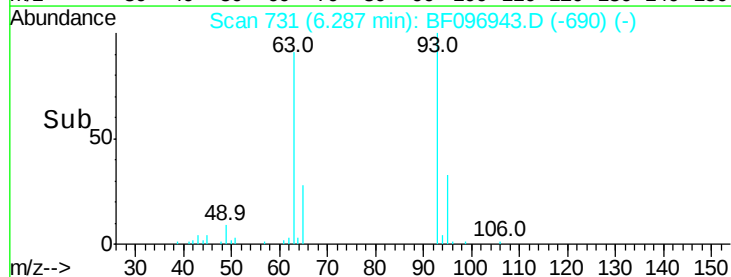
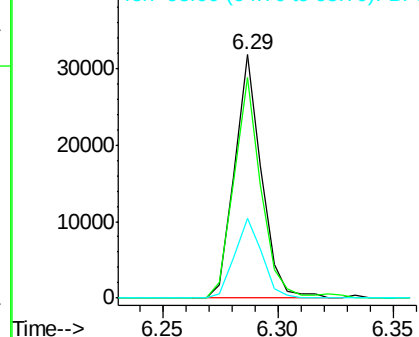
Lab File: BF096943.D

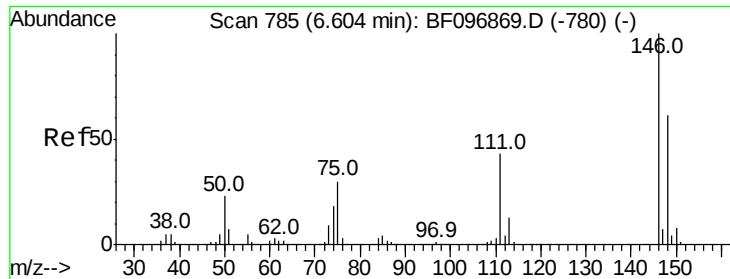
Acq: 21 Jul 2017 14:45

Tgt Ion:	93	Resp:	25721
Ion Ratio	Lower	Upper	
93	100		
63	90.5	59.2	99.2
95	33.0	12.8	52.8



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 63.00 (62.70 to 63.70): BF0
Ion 95.00 (94.70 to 95.70): BF0





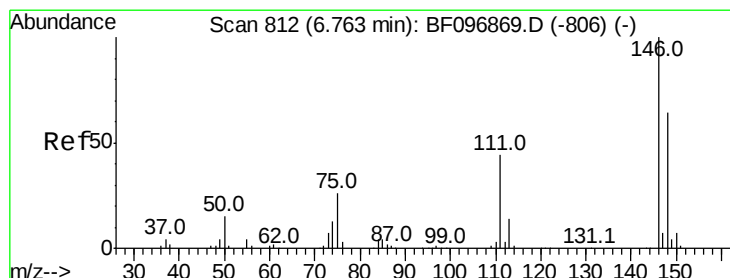
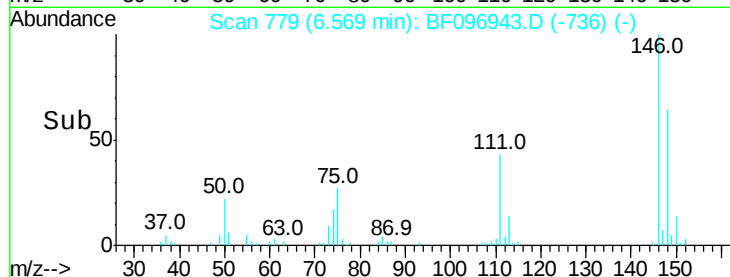
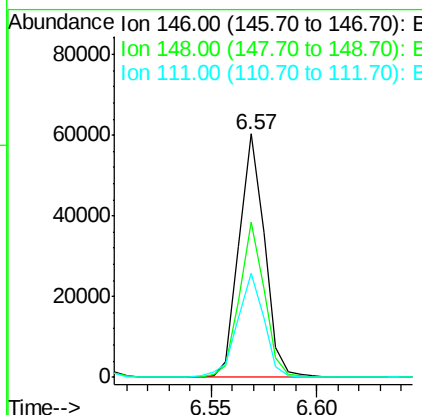
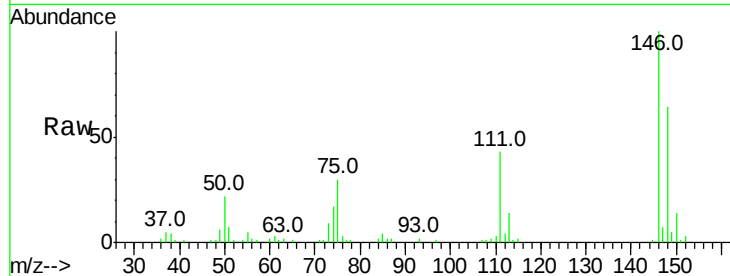
#13
 1,4-Dichlorobenzene
 Concen: 6.755 ng
 RT: 6.57 min Scan# 779
 Delta R.T. -0.05 min
 Lab File: BF096943.D
 Acq: 21 Jul 2017 14:45

Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-NSW

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.0	52.2	78.2
111	42.6	30.3	45.5

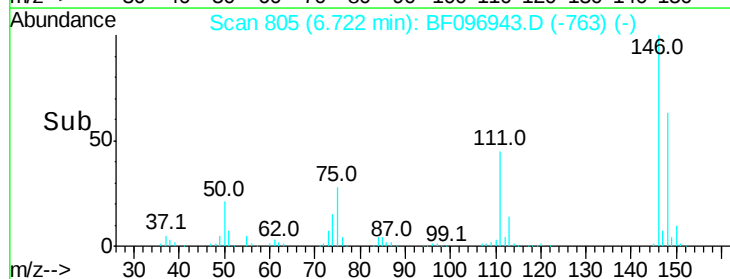
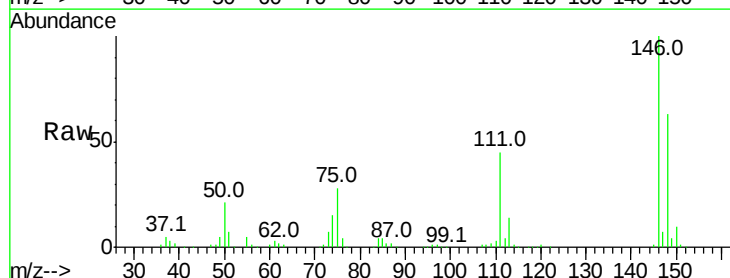
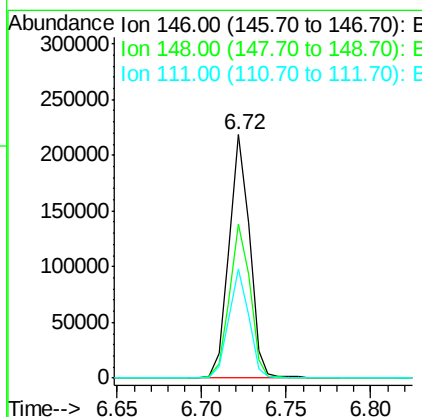
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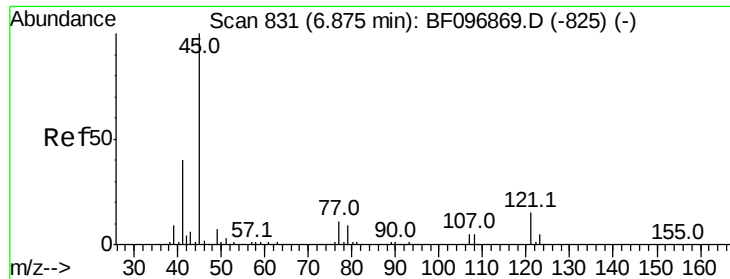
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#14
 1,2-Dichlorobenzene
 Concen: 27.186 ng
 RT: 6.72 min Scan# 805
 Delta R.T. -0.05 min
 Lab File: BF096943.D
 Acq: 21 Jul 2017 14:45

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.4	75.6
111	44.7	38.2	57.4





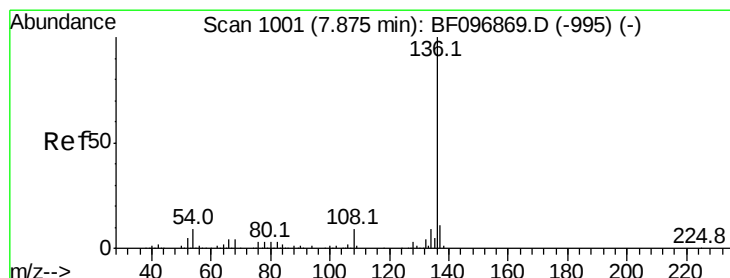
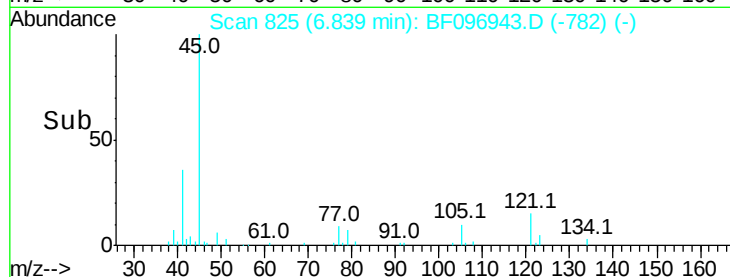
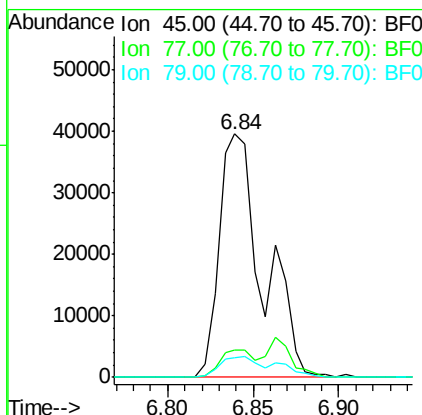
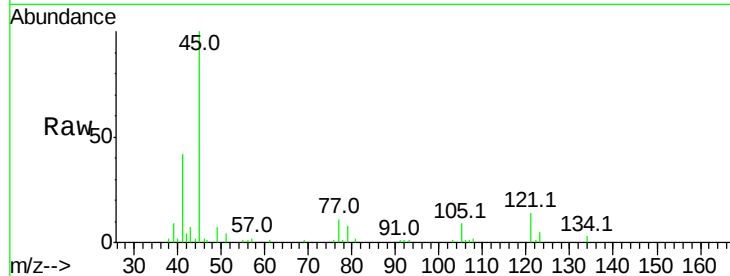
#16
2,2'-oxvbis(1-Chloropropane)
Concen: 5.202 ng m
RT: 6.84 min Scan# 825
Delta R.T. -0.05 min
Lab File: BF096943.D
Acq: 21 Jul 2017 14:45

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-NSW

Tot Ion	Ratio	Lower	Upper
45	100		
77	11.5	0.0	33.2
79	8.3	0.0	30.0

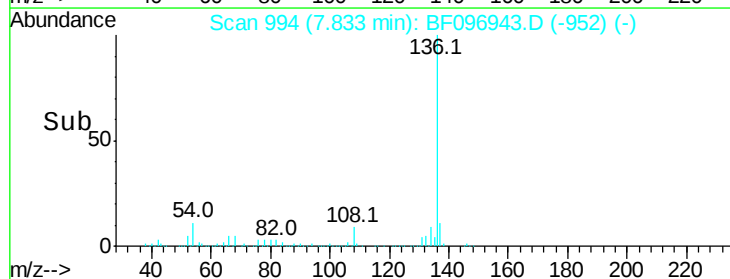
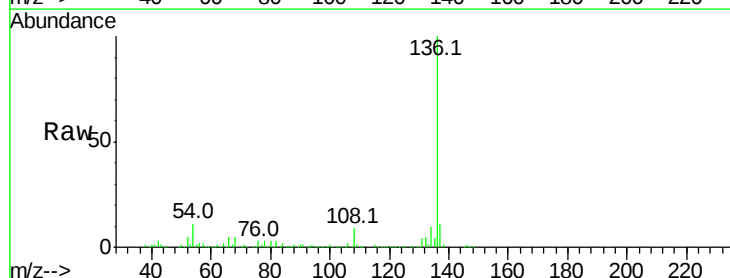
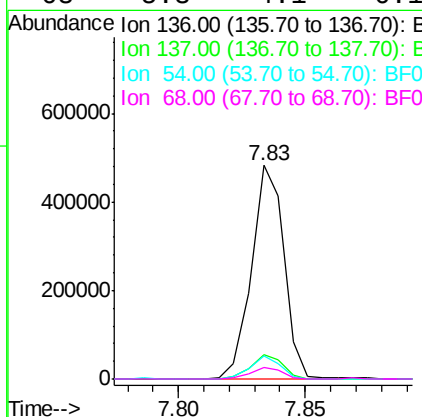
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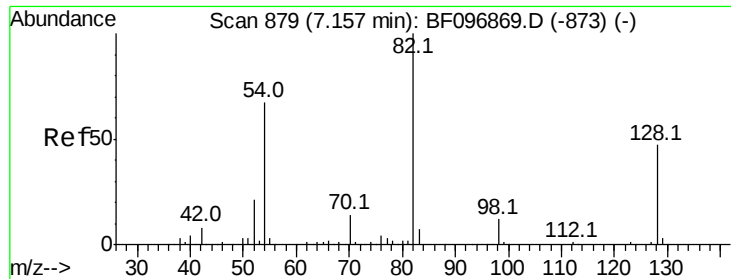
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.83 min Scan# 994
Delta R.T. -0.05 min
Lab File: BF096943.D
Acq: 21 Jul 2017 14:45

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	10.8	4.9	7.3#
68	5.3	4.1	6.1





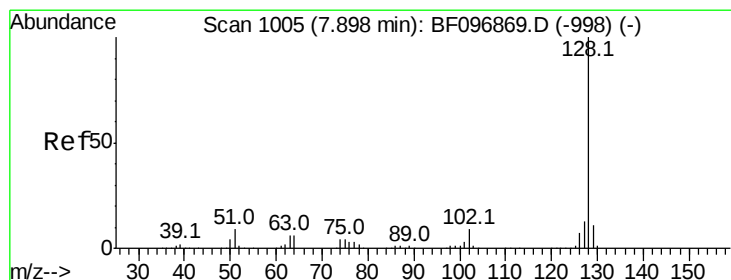
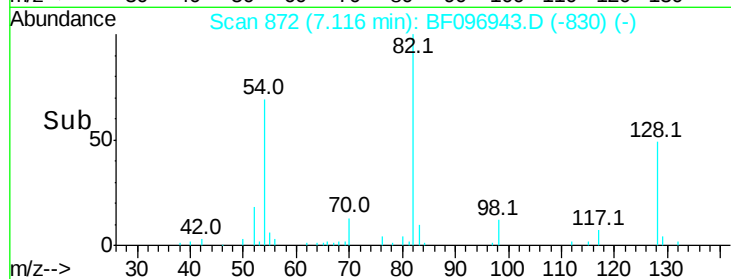
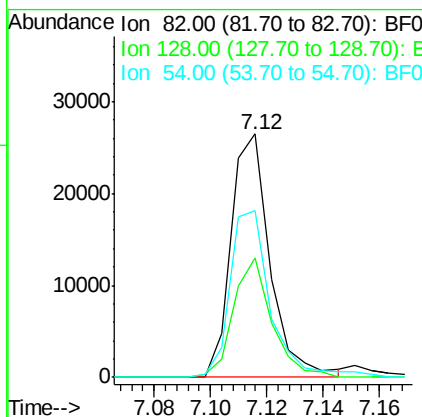
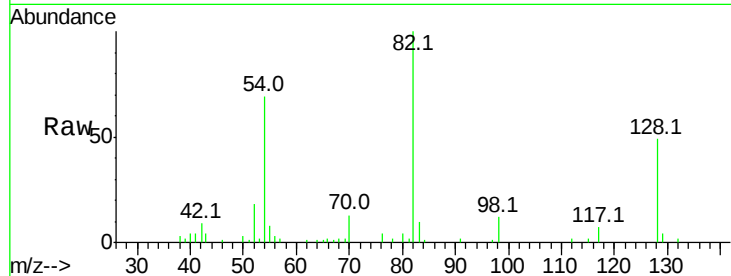
#23
Nitrobenzene-d5
Concen: 3.647 ng
RT: 7.12 min Scan# 872
Delta R.T. -0.05 min
Lab File: BF096943.D
Acq: 21 Jul 2017 14:45

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-NSW

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.1	34.0	51.0
54	68.7	42.2	63.2

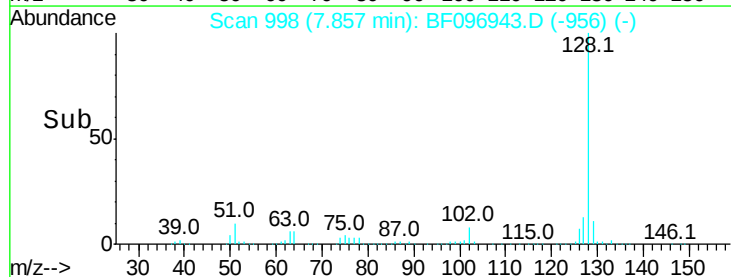
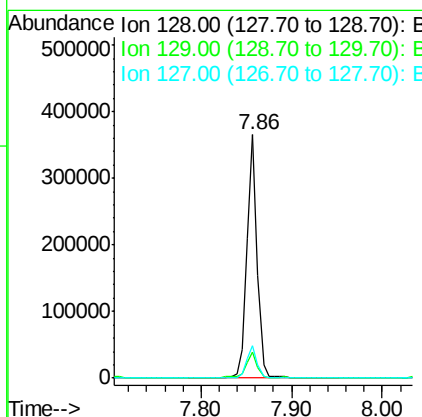
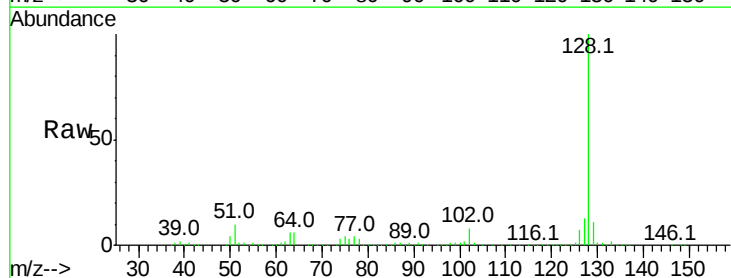
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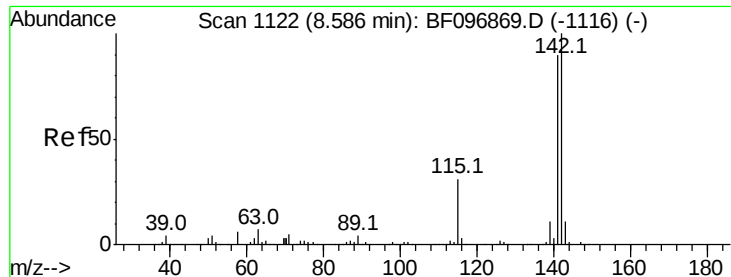
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#31
Naphthalene
Concen: 14.210 ng
RT: 7.86 min Scan# 998
Delta R.T. -0.05 min
Lab File: BF096943.D
Acq: 21 Jul 2017 14:45

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.0	13.6
127	13.4	10.8	16.2





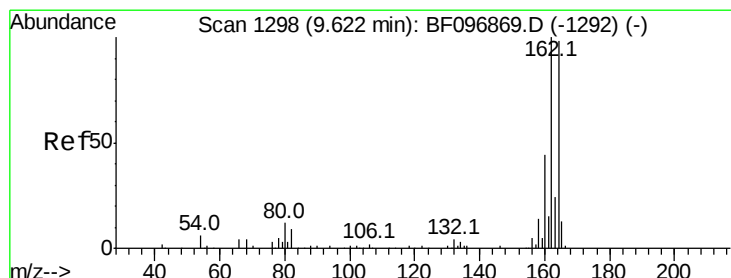
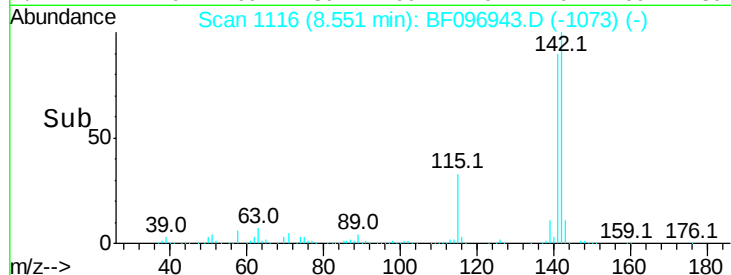
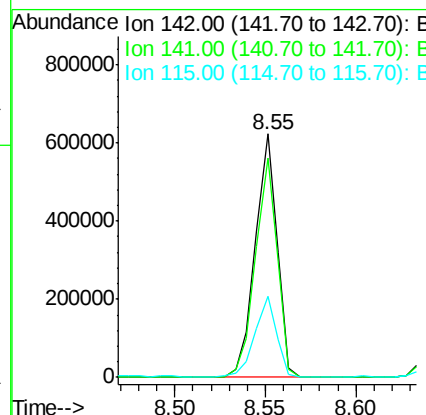
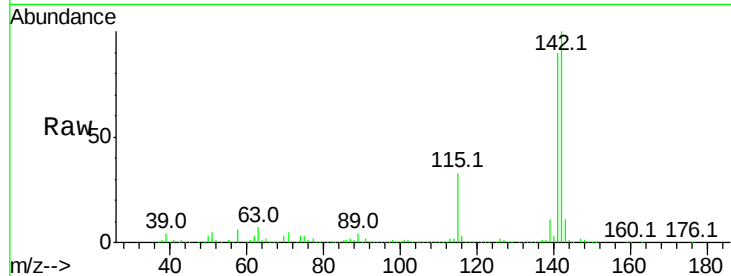
#37
 2-Methylnaphthalene
 Concen: 40.345 ng
 RT: 8.55 min Scan# 1116
 Delta R.T. -0.05 min
 Lab File: BF096943.D
 Acq: 21 Jul 2017 14:45

Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-NSW

Tot Ion	Ratio	Resp	Lower	Upper
142	100	525483		
141	89.9	71.3	106.9	
115	33.1	27.1	40.7	

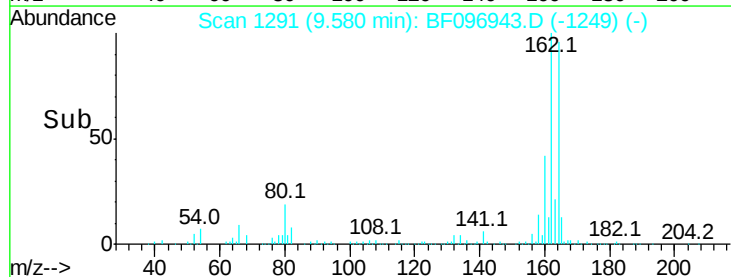
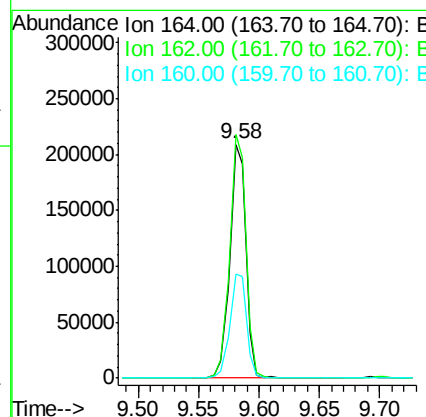
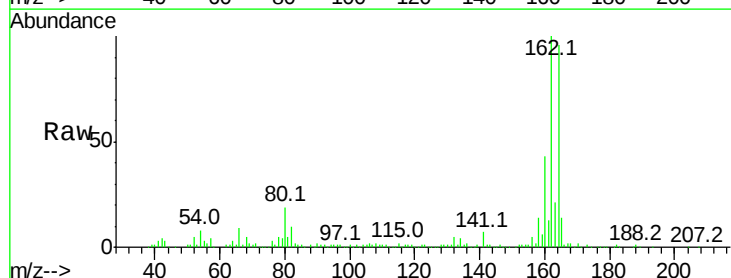
Manual Integrations
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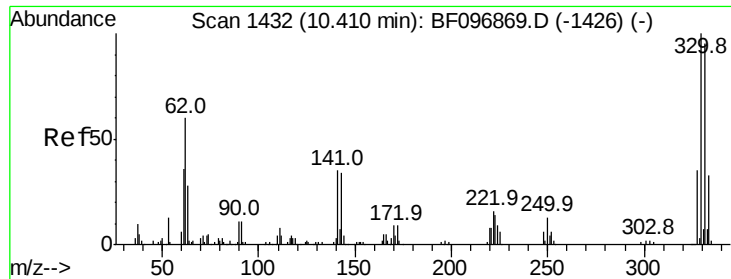
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.58 min Scan# 1291
 Delta R.T. -0.05 min
 Lab File: BF096943.D
 Acq: 21 Jul 2017 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	192941		
162	104.3	82.6	123.8	
160	44.5	36.2	54.2	





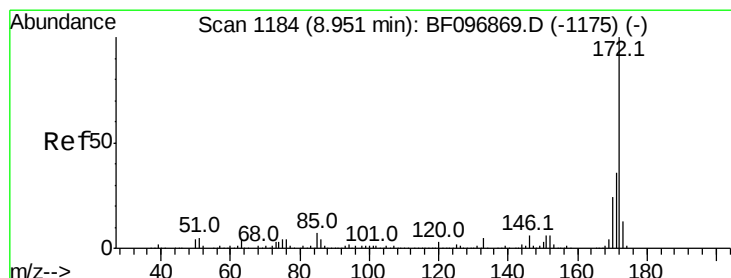
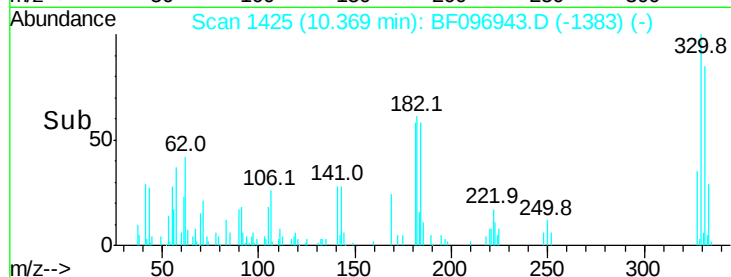
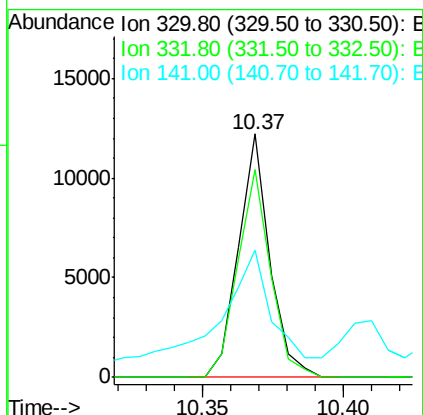
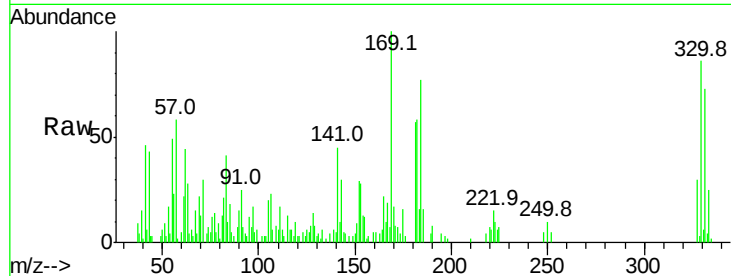
#41
 2,4,6-Tribromophenol
 Concen: 5.693 ng
 RT: 10.37 min Scan# 1425
 Delta R.T. -0.05 min
 Lab File: BF096943.D
 Acq: 21 Jul 2017 14:45

Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-NSW

Tot Ion	Ratio	Lower	Upper
330	100		
332	89.9	76.6	115.0
141	72.5	31.4	47.2#

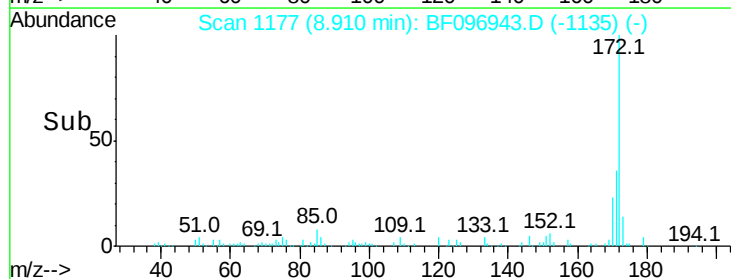
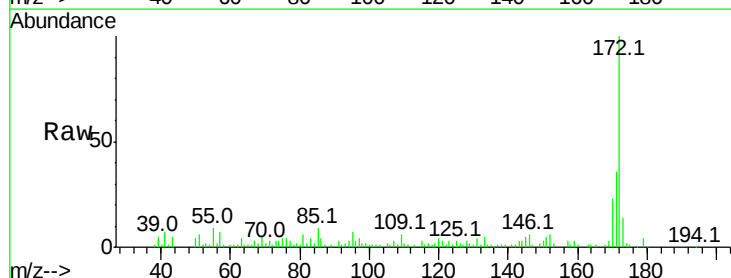
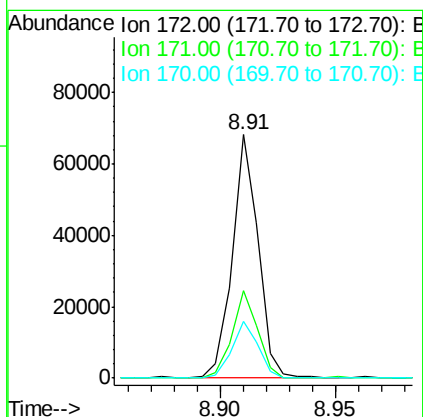
Manual Integrations
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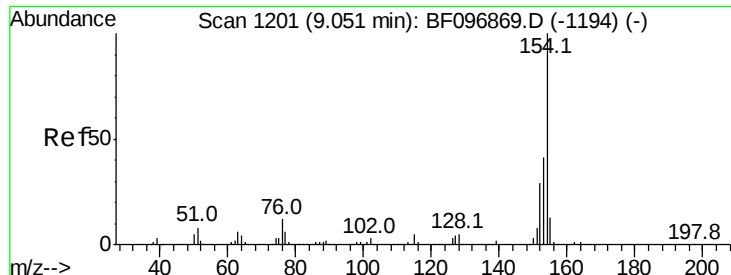
Sohil
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#44
 2-Fluorobiphenyl
 Concen: 4.357 ng
 RT: 8.91 min Scan# 1177
 Delta R.T. -0.05 min
 Lab File: BF096943.D
 Acq: 21 Jul 2017 14:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.5	19.8	29.8





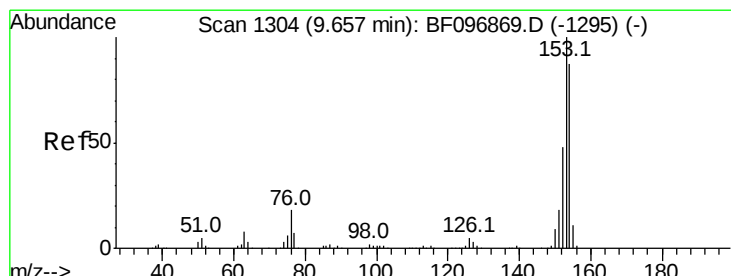
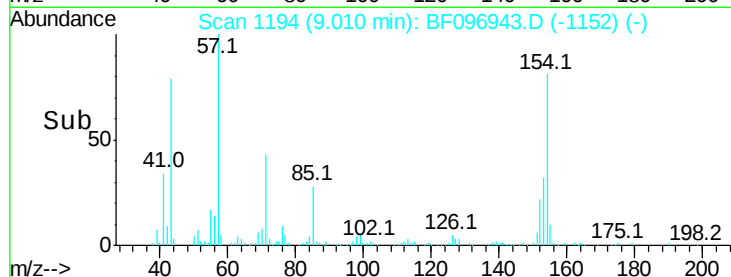
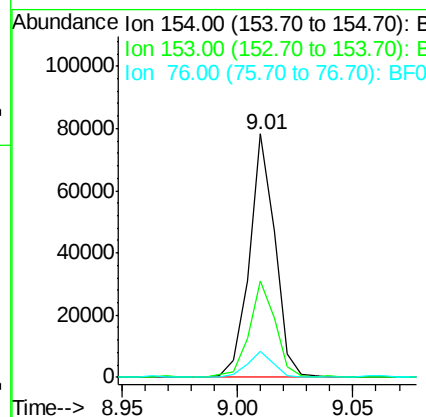
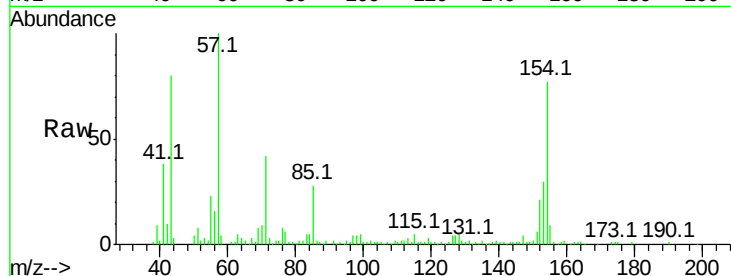
#45
 1,1'-Biphenyl
 Concen: 3.653 ng
 RT: 9.01 min Scan# 1194
 Delta R.T. -0.05 min
 Lab File: BF096943.D
 Acq: 21 Jul 2017 14:45

Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-NSW

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.8	21.2	61.2
76	10.5	0.0	29.9

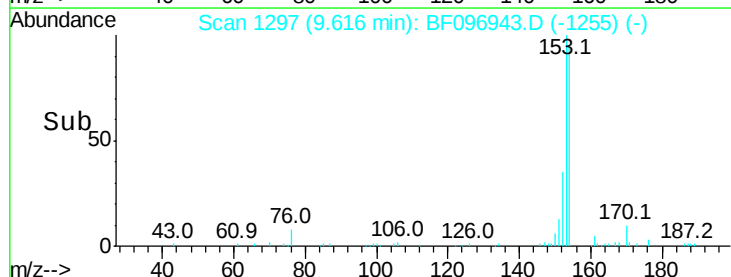
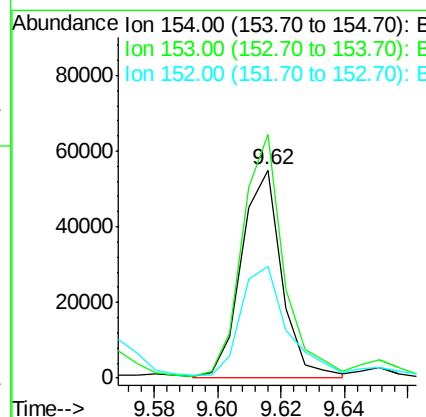
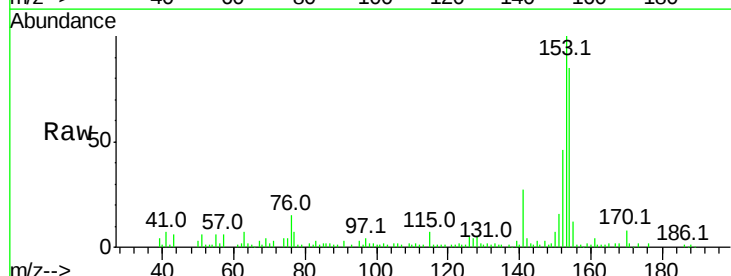
Manual Integrations
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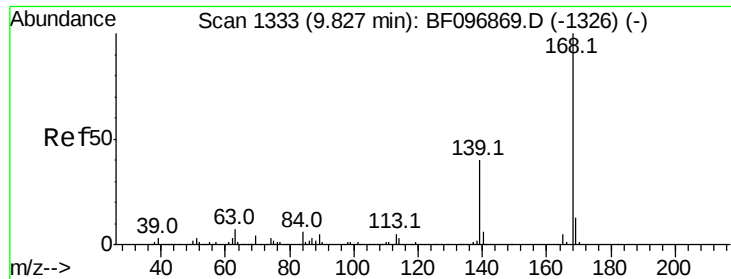
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#51
 Acenaphthene
 Concen: 4.227 ng
 RT: 9.62 min Scan# 1297
 Delta R.T. -0.05 min
 Lab File: BF096943.D
 Acq: 21 Jul 2017 14:45

Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.2	90.5	135.7
152	53.6	43.6	65.4





#54

Dibenzenofuran

Concen: 2.433 ng

RT: 9.79 min Scan# 1326

Delta R.T. -0.05 min

Lab File: BF096943.D

Acq: 21 Jul 2017 14:45

Instrument :

BNA_F

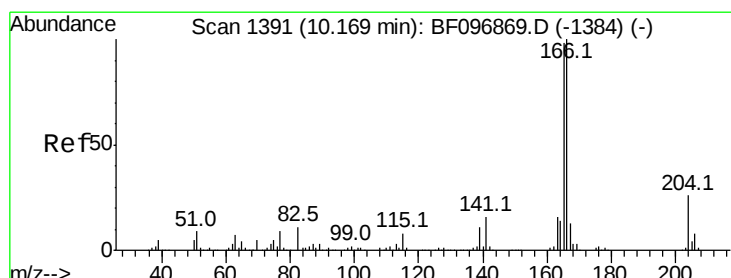
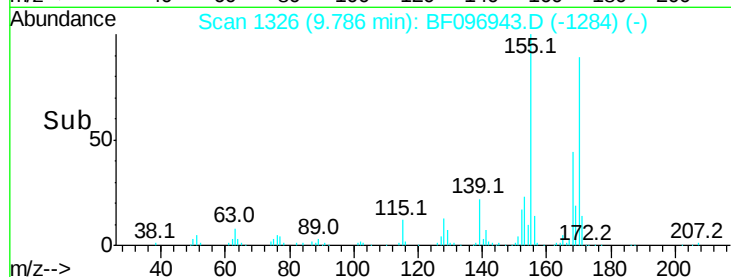
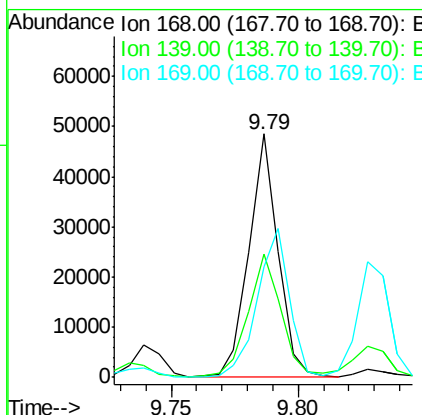
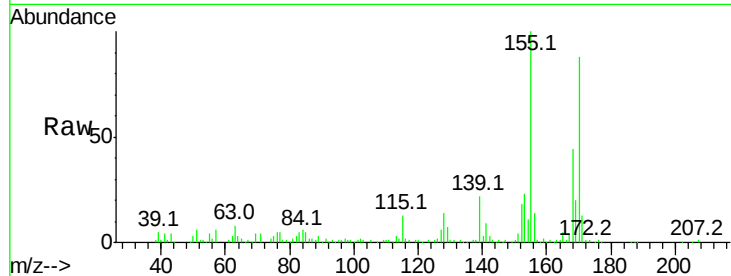
ClientSampleId :

E2-O-P-6-7-NSW

Tot Ion:168	Resp:	39104
Ion Ratio	Lower	Upper
168	100	
139	50.6	30.6 45.8#
169	45.2	10.8 16.2#

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#57

Fluorene

Concen: 2.490 ng

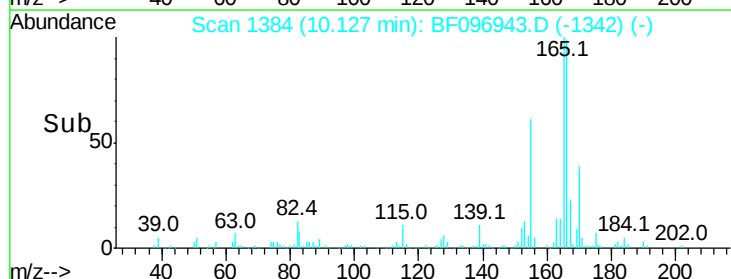
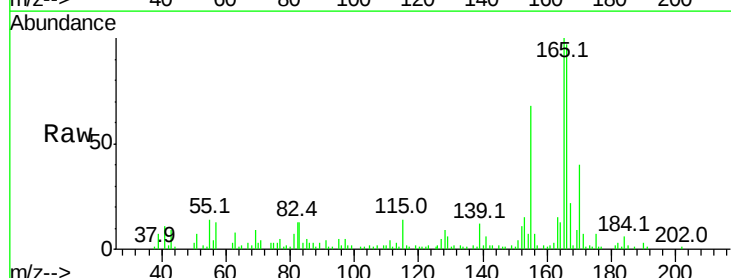
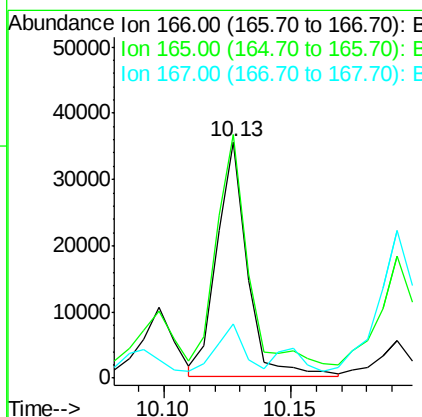
RT: 10.13 min Scan# 1384

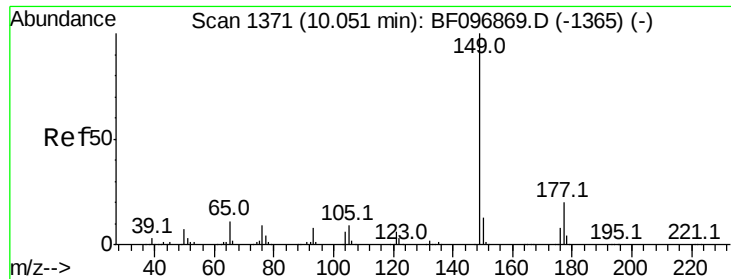
Delta R.T. -0.05 min

Lab File: BF096943.D

Acq: 21 Jul 2017 14:45

Tgt Ion:166	Resp:	29567
Ion Ratio	Lower	Upper
166	100	
165	102.9	78.8 118.2
167	23.1	10.6 16.0#





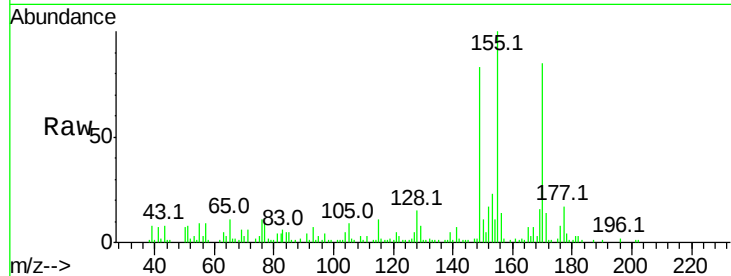
#59
Diethylphthalate
Concen: 2.227 ng
RT: 10.01 min Scan# 1364
Delta R.T. -0.05 min
Lab File: BF096943.D
Acq: 21 Jul 2017 14:45

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-NSW

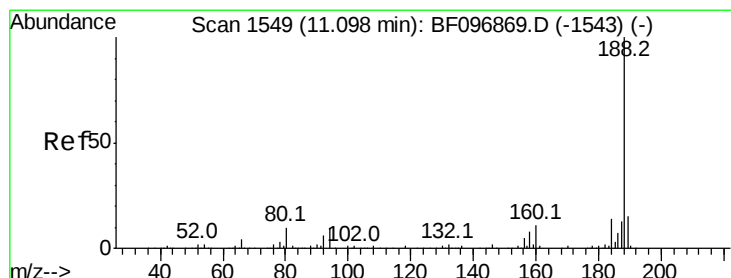
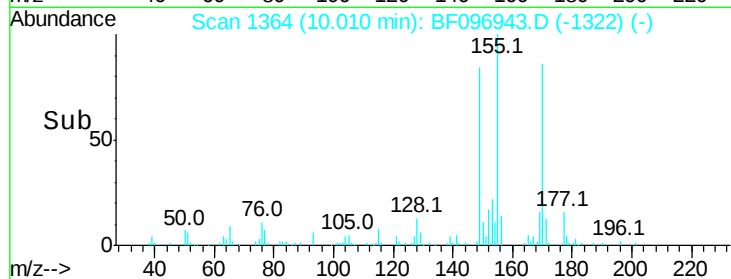
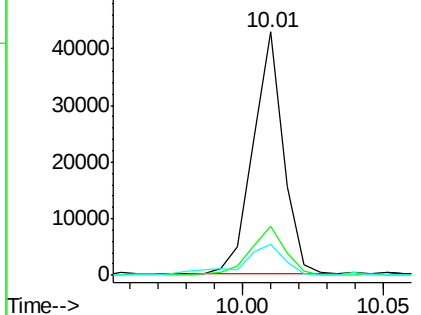
Tot Ion	Ratio	Lower	Upper
149	100		
177	20.2	16.7	25.1
150	12.7	10.2	15.2

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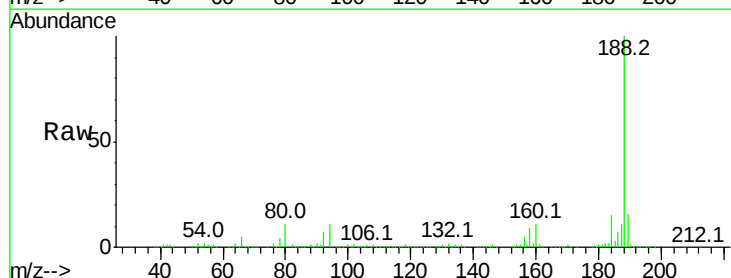


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

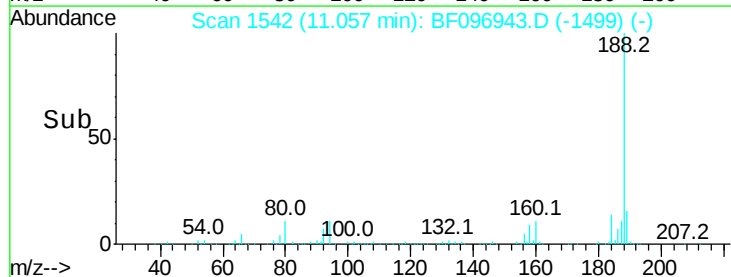
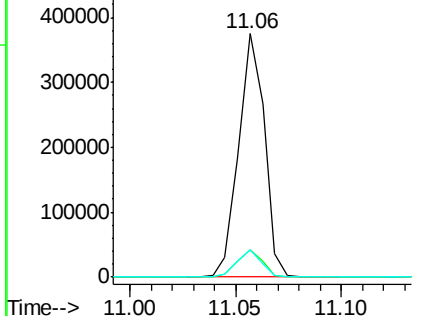


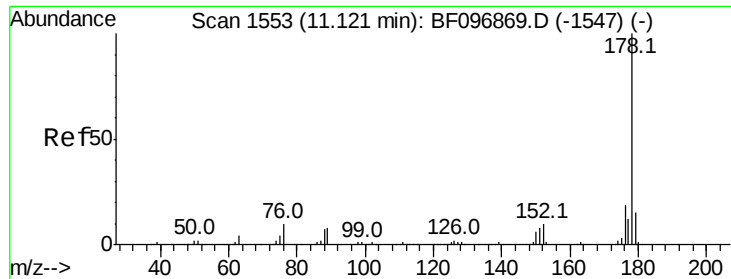
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.06 min Scan# 1542
Delta R.T. -0.05 min
Lab File: BF096943.D
Acq: 21 Jul 2017 14:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	9.4	14.2
80	11.3	10.2	15.2



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





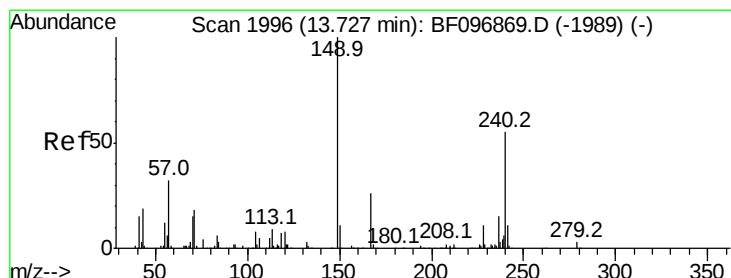
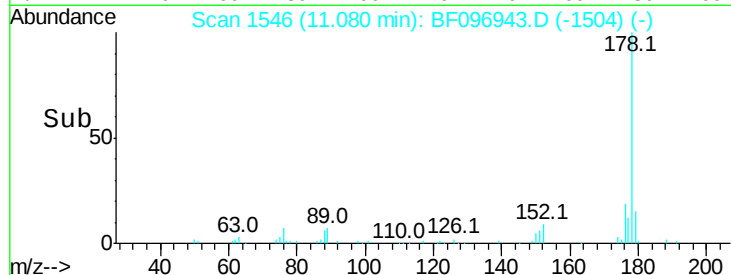
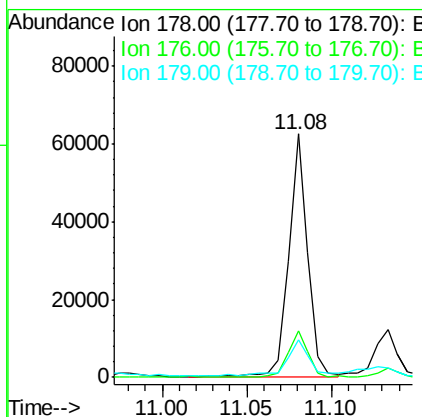
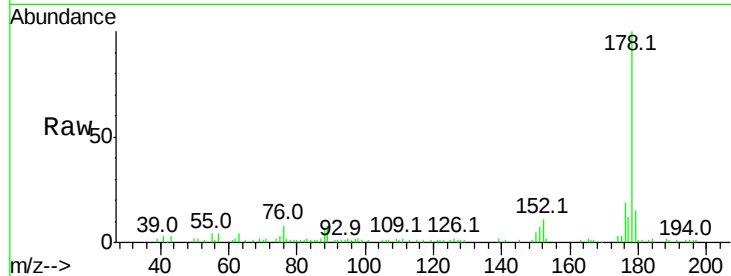
#70
Phenanthrene
Concen: 2.878 ng
RT: 11.08 min Scan# 1546
Delta R.T. -0.05 min
Lab File: BF096943.D
Acq: 21 Jul 2017 14:45

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-NSW

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.2	24.4
179	15.3	12.6	19.0

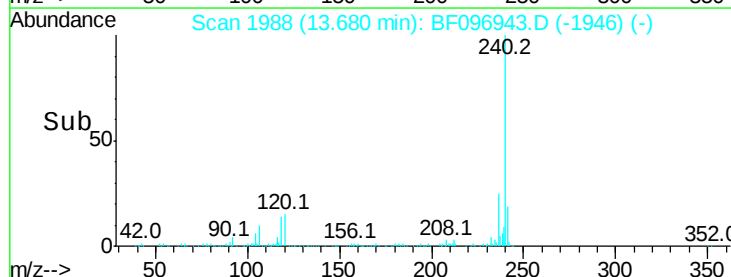
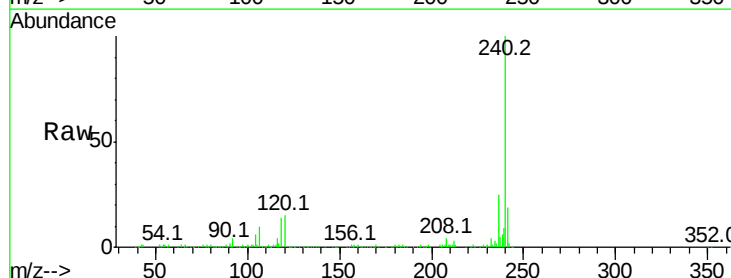
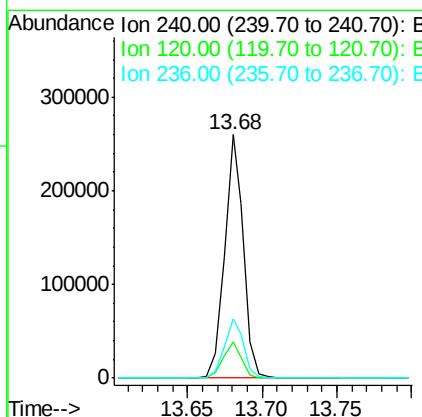
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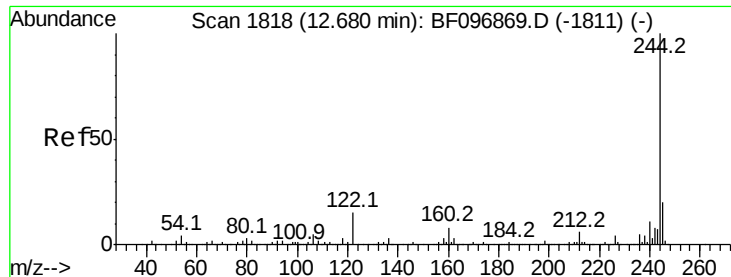
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.68 min Scan# 1988
Delta R.T. -0.05 min
Lab File: BF096943.D
Acq: 21 Jul 2017 14:45

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.1	5.8	8.8#
236	24.6	20.5	30.7





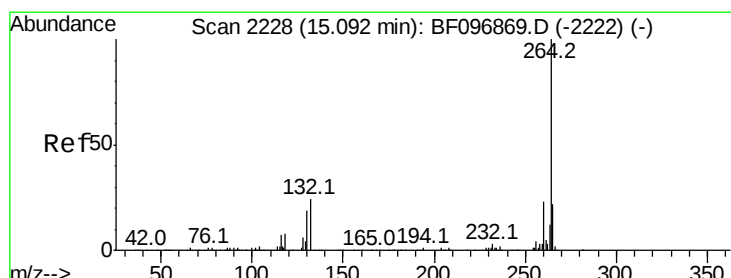
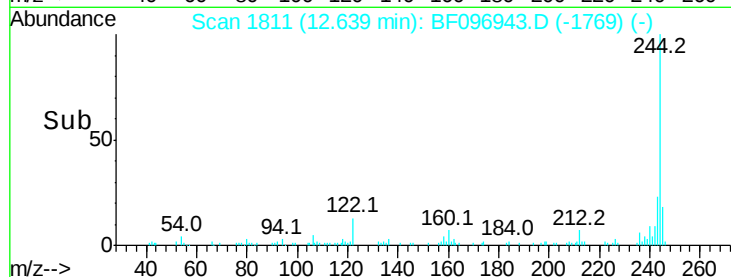
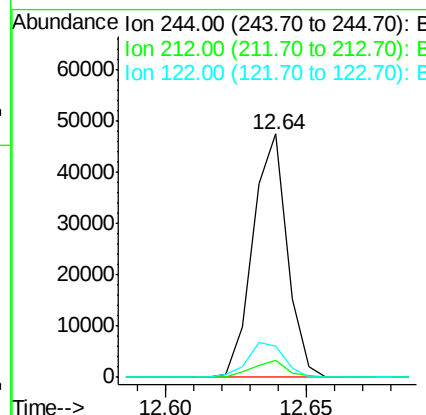
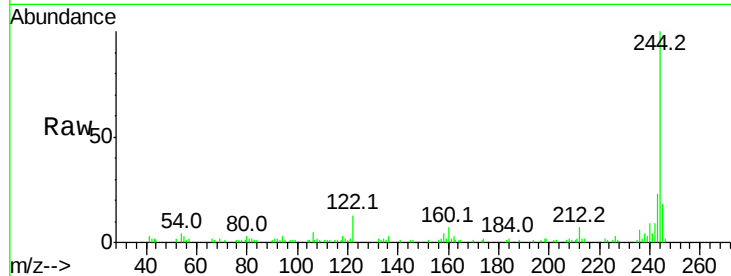
#78
 Terphenyl-d14
 Concen: 3.007 ng
 RT: 12.64 min Scan# 1811
 Delta R.T. -0.05 min
 Lab File: BF096943.D
 Acq: 21 Jul 2017 14:45

Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-NSW

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	12.7	10.3	15.5

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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.04 min Scan# 2220
 Delta R.T. -0.06 min
 Lab File: BF096943.D
 Acq: 21 Jul 2017 14:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	21.3	17.2	25.8

