

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
 Data File : BF096682.D
 Acq On : 12 Jul 2017 9:47
 Operator : SJ/JU
 Sample : I4130-05DL 5X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-P8-BASE

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 7/12/2017 4:58:33 PM

Quant Time: Jul 12 15:02:29 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	99775	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	328612	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	120703	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	178195	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	195129	20.00	ng	-0.02
86) Perylene-d12	15.23	264	147866	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	140022	20.71	ng	-0.02
7) Phenol-d6	6.32	99	209111	25.16	ng	-0.02
23) Nitrobenzene-d5	7.24	82	105601	19.31	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	22172	23.52	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	123259	17.46	ng	-0.02
78) Terphenyl-d14	12.77	244	77240	8.46	ng	-0.02
Target Compounds						Qvalue
11) bis(2-Chloroethyl)ether	6.42	93	125517	17.155	ng	93
13) 1,4-Dichlorobenzene	6.70	146	24917	3.298	ng	100
14) 1,2-Dichlorobenzene	6.86	146	85113	12.270	ng	96
16) 2,2'-oxybis(1-Chloropropan	6.97	45	144271	9.699	ng	98
27) 2,4-Dimethylphenol	7.63	122	66566	12.875	ng	92
31) Naphthalene	7.99	128	525404	33.868	ng	100
37) 2-Methylnaphthalene	8.69	142	573398	58.065	ng	98
45) 1,1'-Biphenyl	9.15	154	44874	4.339	ng	99
49) Dimethylphthalate	9.44	163	22292	2.474	ng	# 87
51) Acenaphthene	9.75	154	33153	4.404	ng	96
57) Fluorene	10.26	166	27291	3.888	ng	# 89
70) Phenanthrene	11.22	178	78950	8.196	ng	98
71) Anthracene	11.27	178	24366m	2.482	ng	
74) Fluoranthene	12.40	202	43357	4.591	ng	98
77) Pyrene	12.63	202	44002	2.809	ng	98

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

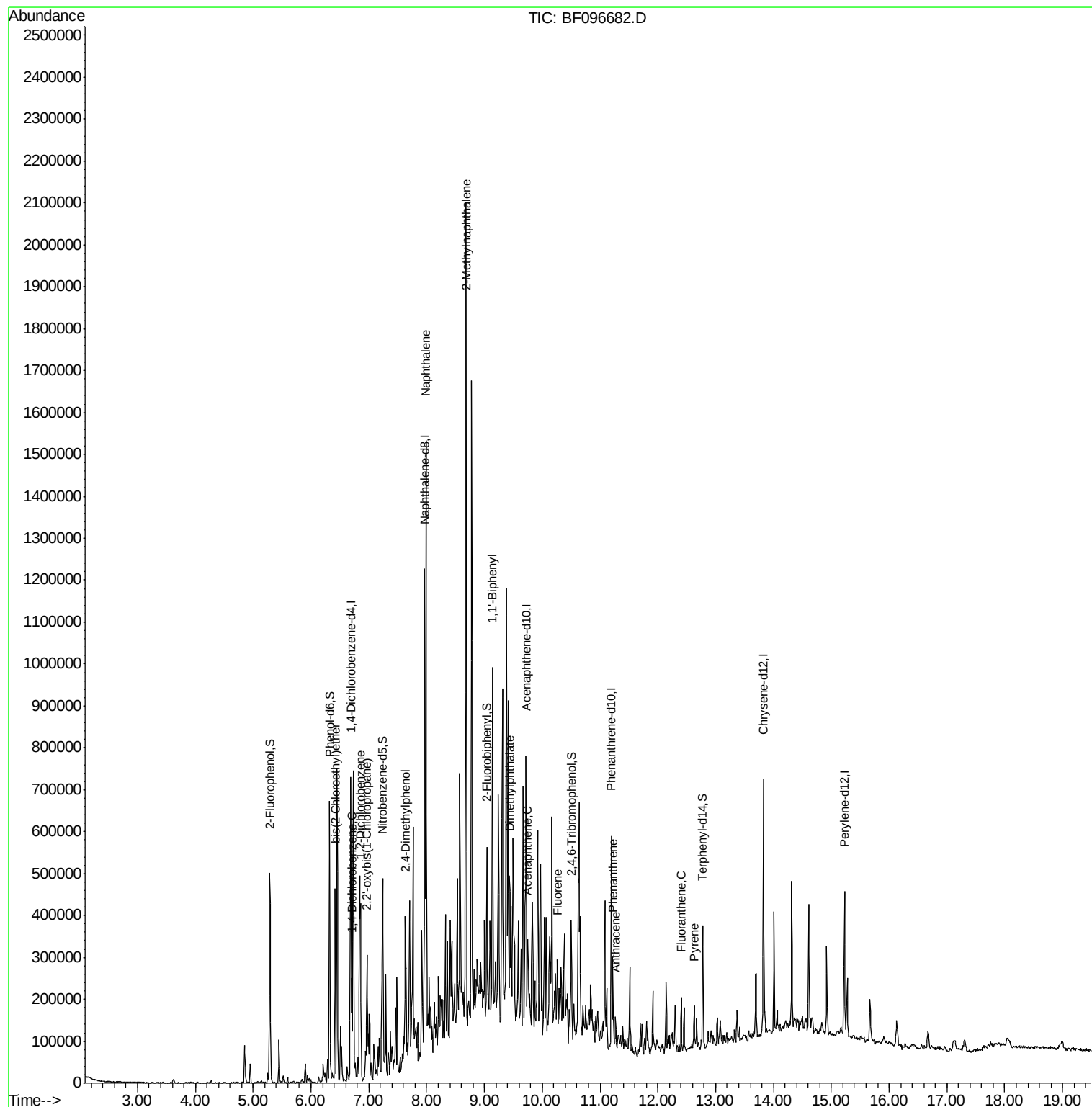
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
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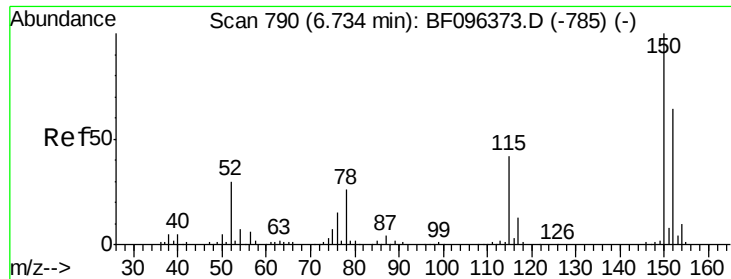
Instrument :
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ClientSampleId :
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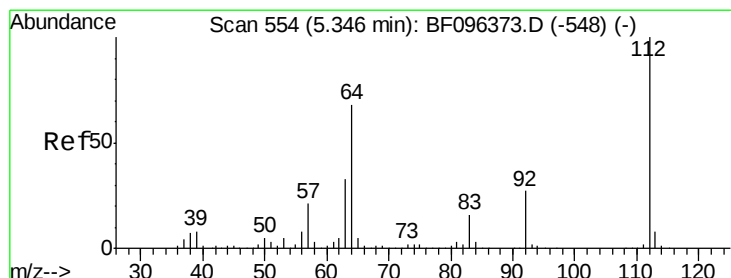
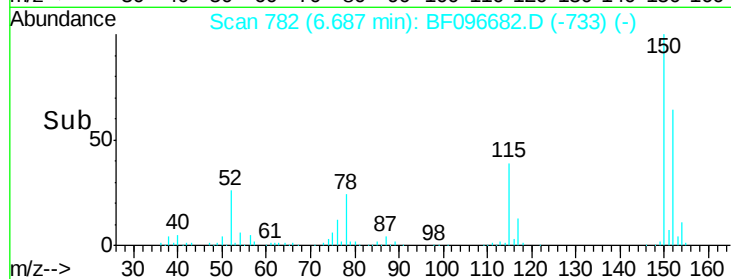
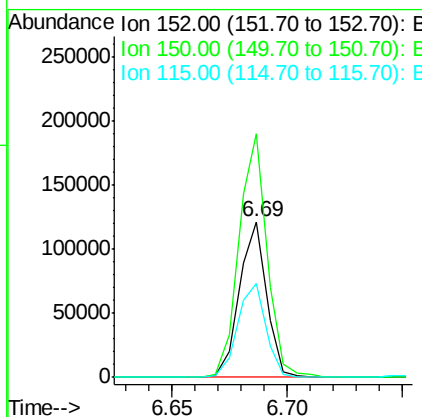
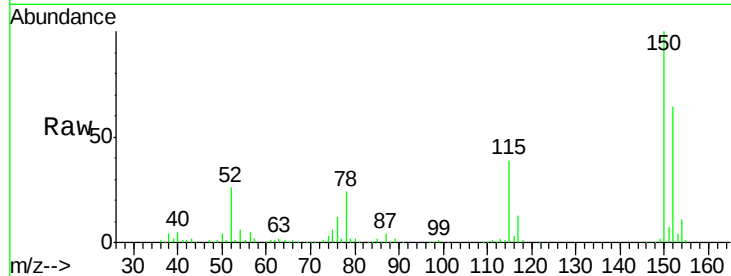
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF096682.D
 Acq: 12 Jul 2017 9:47

Instrument :
 BNA_F
 ClientSampleId :
 E2-P8-BASE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.6	126.2	189.2
115	60.8	52.2	78.2

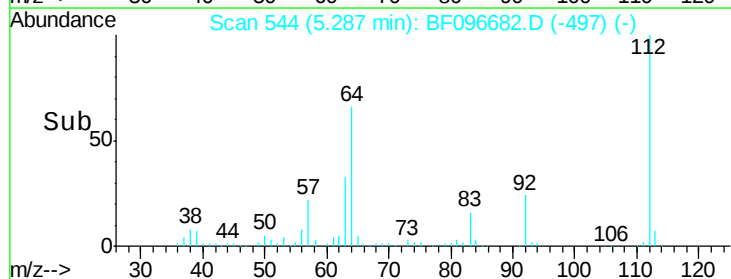
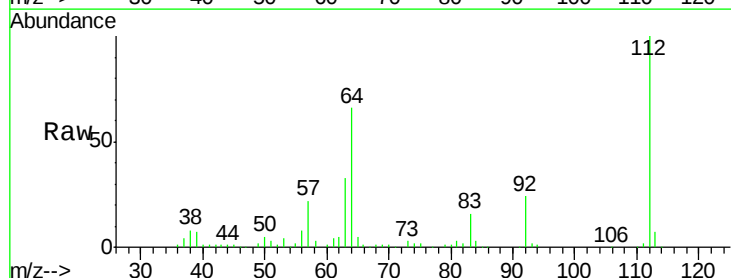
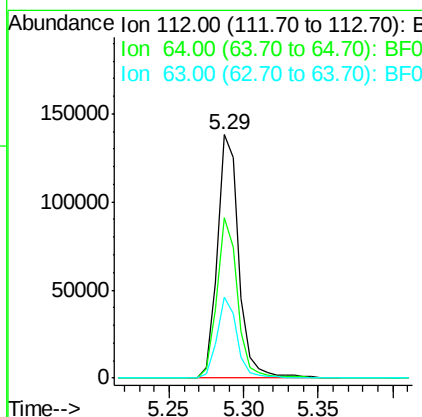
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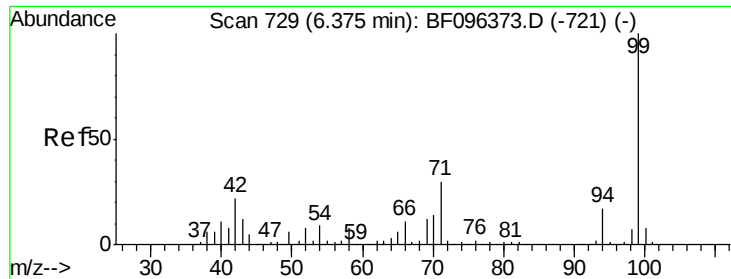
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#5
 2-Fluorophenol
 Concen: 20.713 ng
 RT: 5.29 min Scan# 544
 Delta R.T. -0.02 min
 Lab File: BF096682.D
 Acq: 12 Jul 2017 9:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	46.0	69.0
63	33.5	23.4	35.0





#7

Phenol-d6

Concen: 25.162 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.02 min

Lab File: BF096682.D

Acq: 12 Jul 2017 9:47

Instrument :

BNA_F

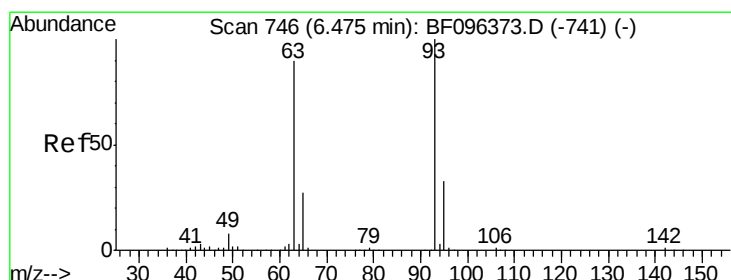
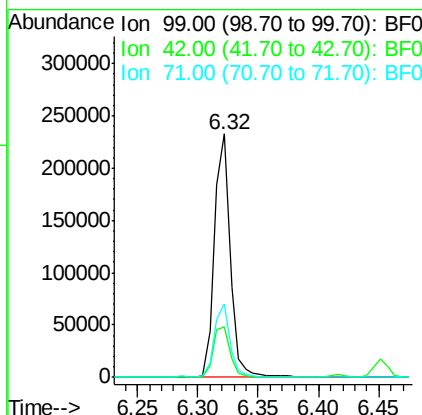
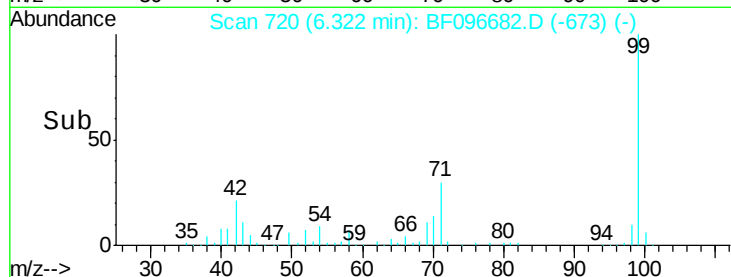
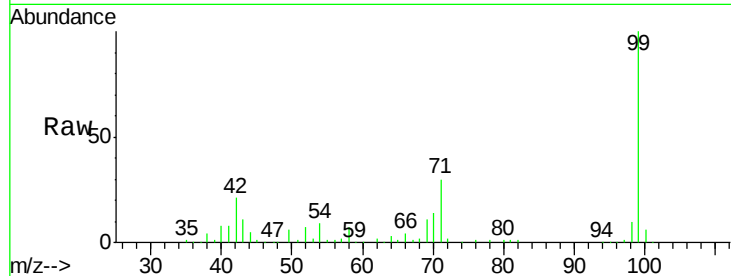
ClientSampleId :

E2-P8-BASE

Tgt Ion:	99	Resp:	209111
Ion Ratio	Lower	Upper	
99	100		
42	20.5	13.5	20.3#
71	29.9	24.5	36.7

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#11

bis(2-Chloroethyl)ether

Concen: 17.155 ng

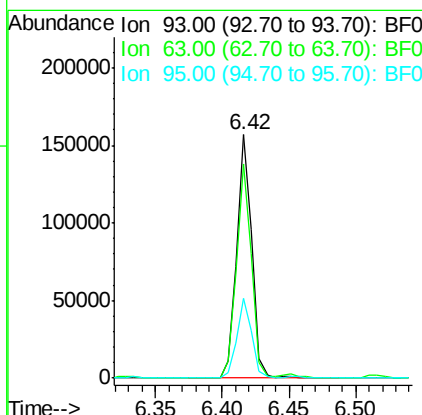
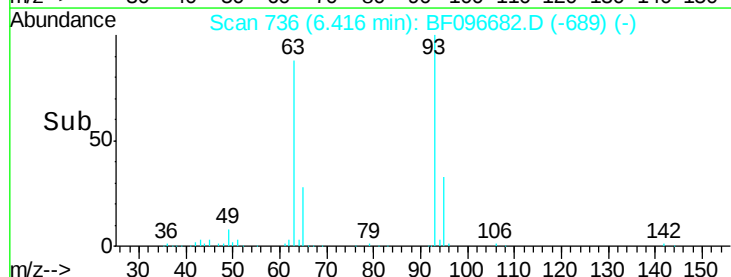
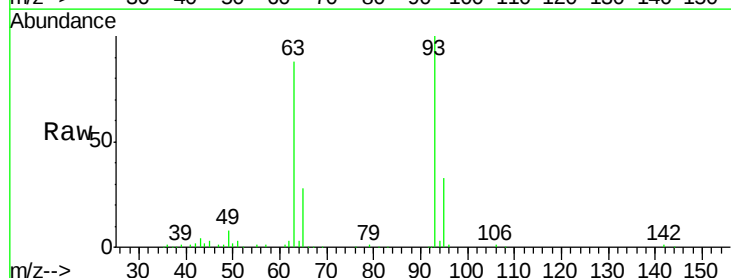
RT: 6.42 min Scan# 736

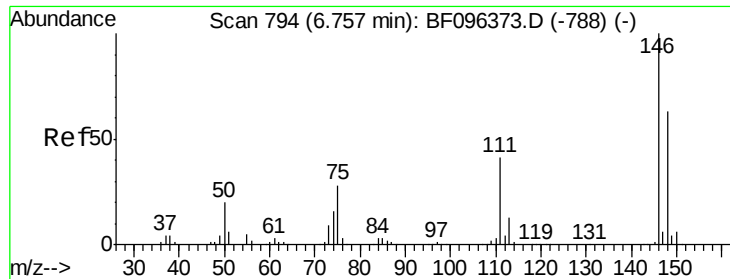
Delta R.T. -0.02 min

Lab File: BF096682.D

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Tgt Ion:	93	Resp:	125517
Ion Ratio	Lower	Upper	
93	100		
63	88.2	59.2	99.2
95	32.6	12.8	52.8





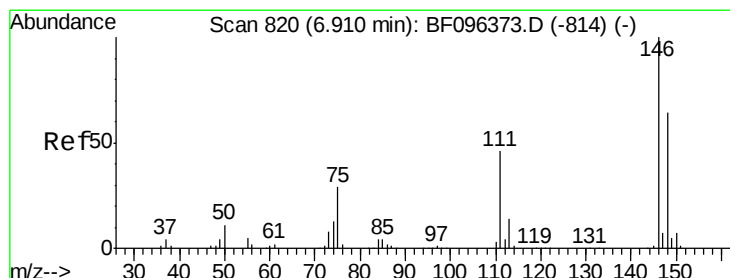
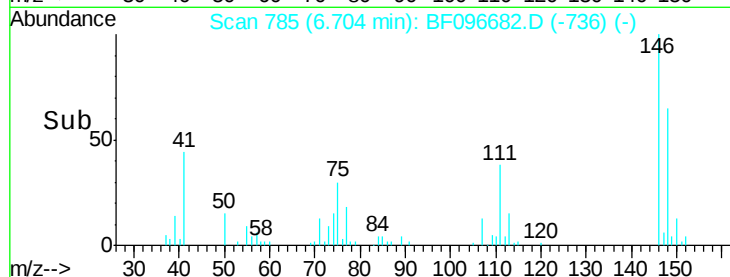
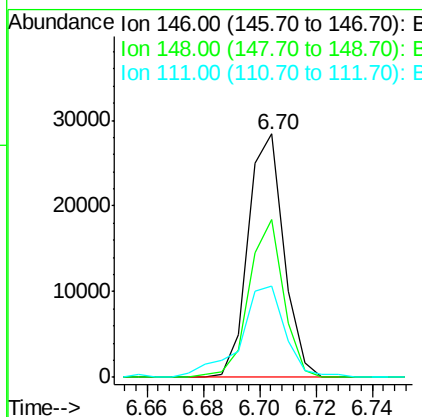
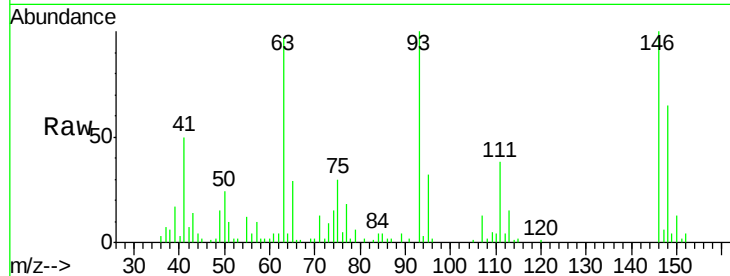
#13
 1,4-Dichlorobenzene
 Concen: 3.298 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF096682.D
 Acq: 12 Jul 2017 9:47

Instrument :
 BNA_F
 ClientSampleId :
 E2-P8-BASE

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.9	52.2	78.2
111	37.8	30.3	45.5

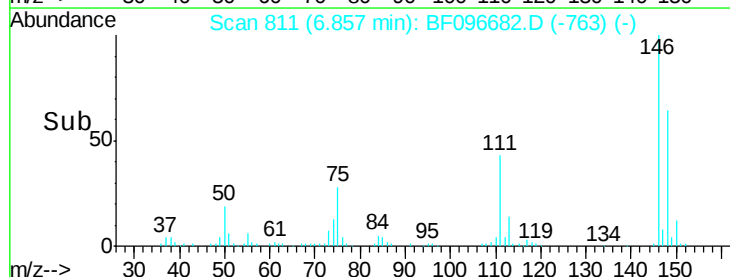
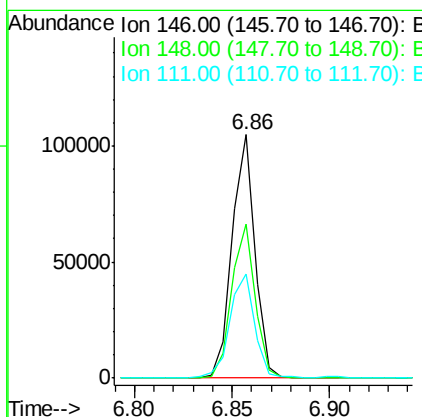
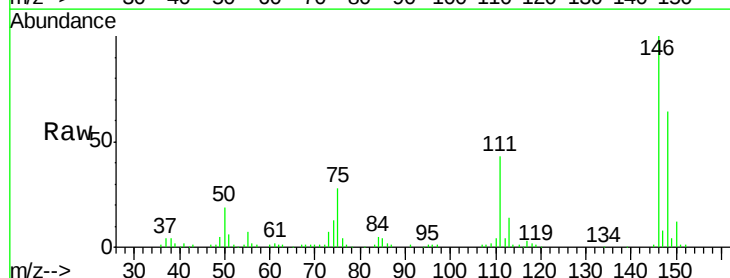
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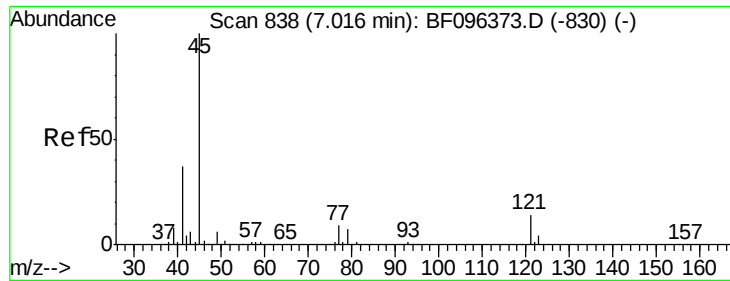
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#14
 1,2-Dichlorobenzene
 Concen: 12.270 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: BF096682.D
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Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.4	75.6
111	42.6	38.2	57.4





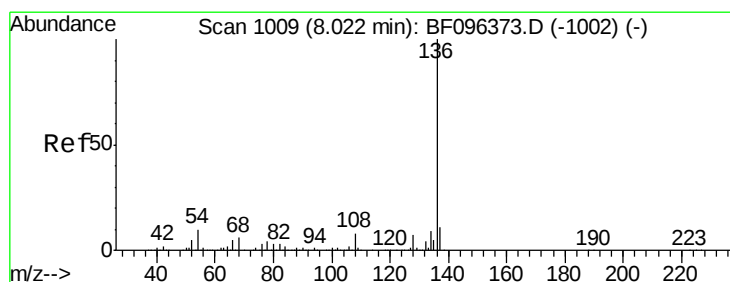
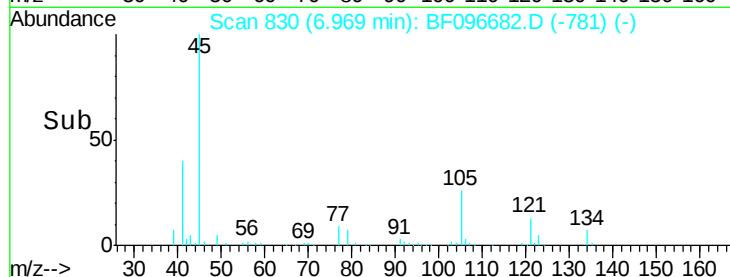
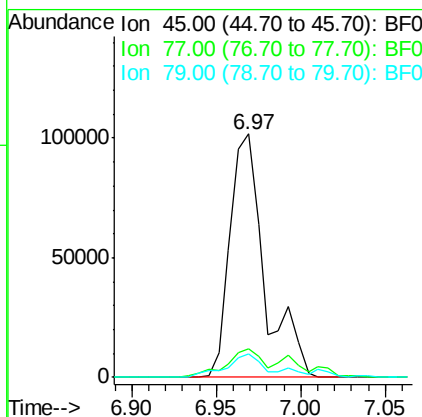
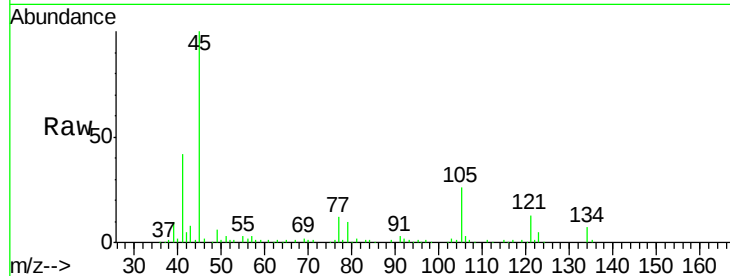
#16
 2,2'-oxybis(1-Chloropropane)
 Concen: 9.699 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.01 min
 Lab File: BF096682.D
 Acq: 12 Jul 2017 9:47

Instrument :
 BNA_F
 ClientSampleId :
 E2-P8-BASE

Tgt Ion	Ratio	Resp Lower	Upper
45	100		
77	11.9	0.0	33.2
79	9.8	0.0	30.0

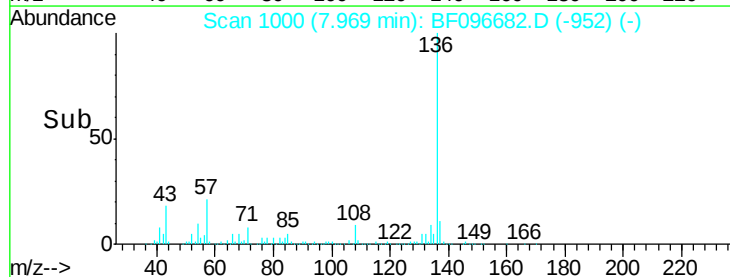
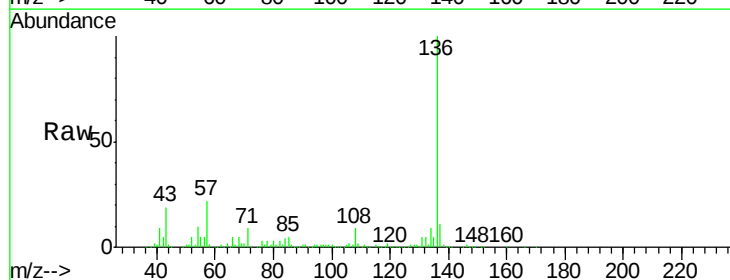
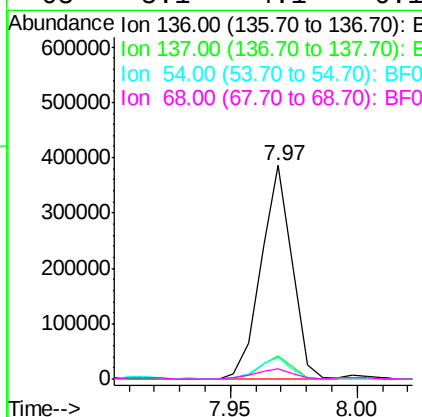
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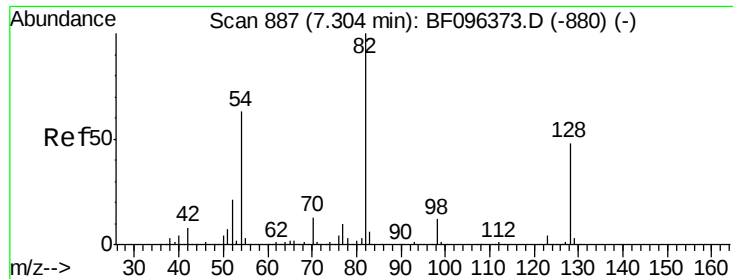
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#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 7.97 min Scan# 1000
 Delta R.T. -0.02 min
 Lab File: BF096682.D
 Acq: 12 Jul 2017 9:47

Tgt Ion	Ratio	Resp Lower	Upper
136	100		
137	10.9	8.5	12.7
54	10.2	4.9	7.3#
68	5.1	4.1	6.1





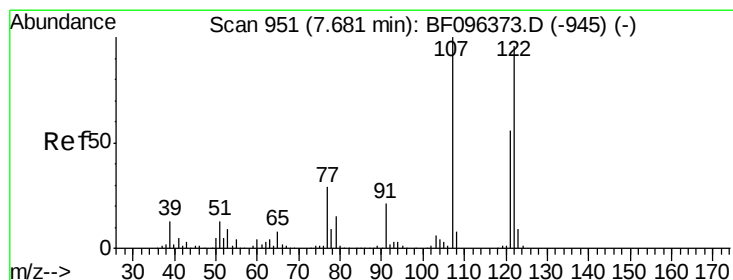
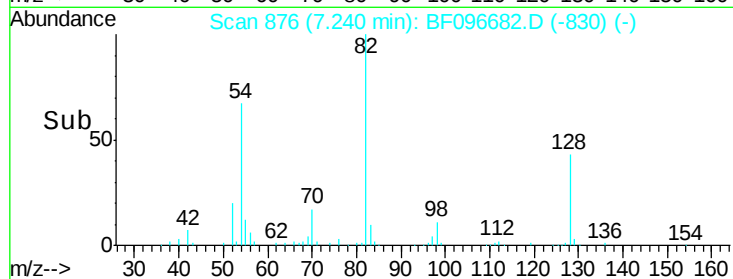
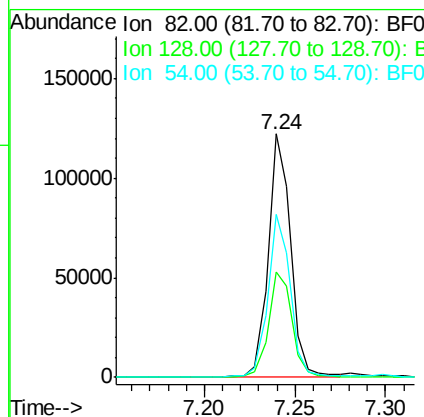
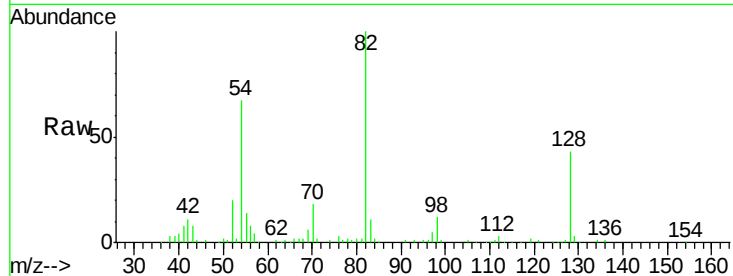
#23
 Nitrobenzene-d5
 Concen: 19.310 ng
 RT: 7.24 min Scan# 876
 Delta R.T. -0.03 min
 Lab File: BF096682.D
 Acq: 12 Jul 2017 9:47

Instrument :
 BNA_F
 ClientSampleId :
 E2-P8-BASE

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	105601		
128	43.2	34.0	51.0	
54	66.9	42.2	63.2	

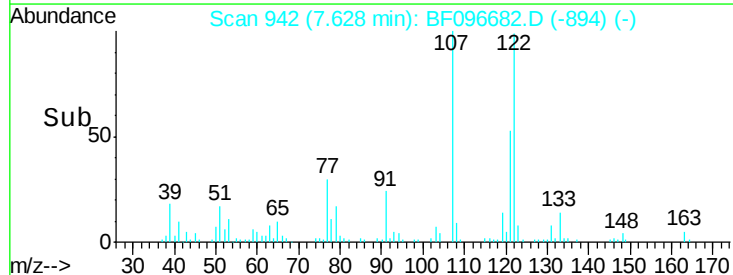
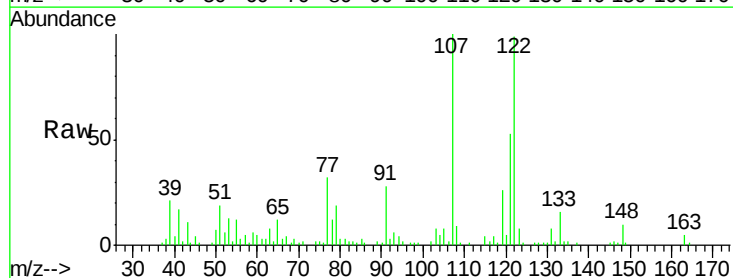
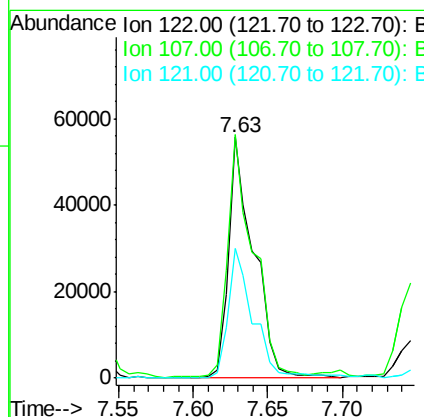
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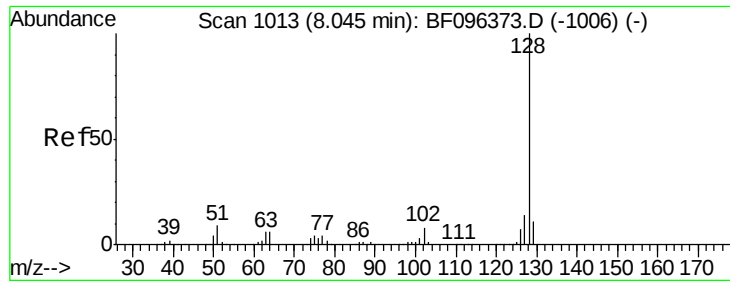
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#27
 2,4-Dimethylphenol
 Concen: 12.875 ng
 RT: 7.63 min Scan# 942
 Delta R.T. -0.02 min
 Lab File: BF096682.D
 Acq: 12 Jul 2017 9:47

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	66566		
107	101.0	89.2	133.8	
121	54.0	45.2	67.8	





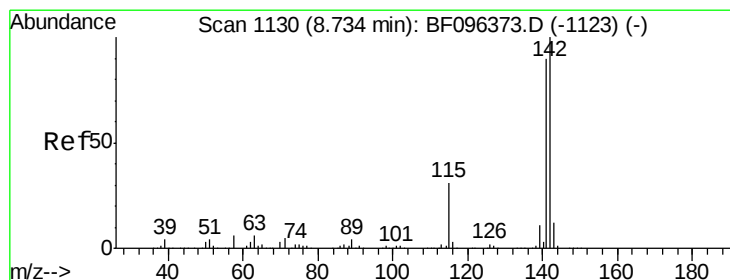
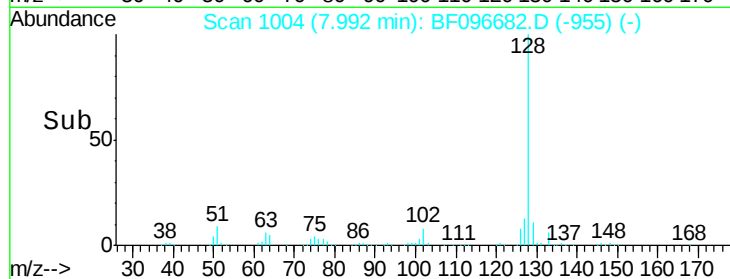
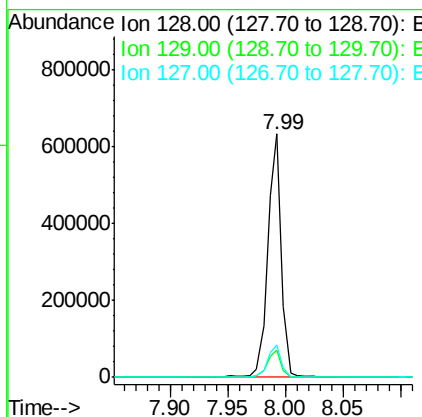
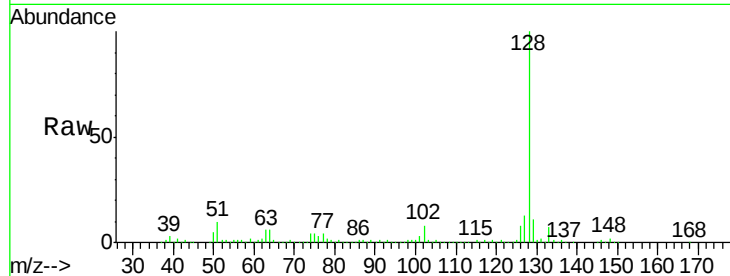
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Naphthalene
Concen: 33.868 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF096682.D
Acq: 12 Jul 2017 9:47

Instrument :
BNA_F
ClientSampleId :
E2-P8-BASE

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	525404		
129	11.4	9.0	13.6	
127	13.4	10.8	16.2	

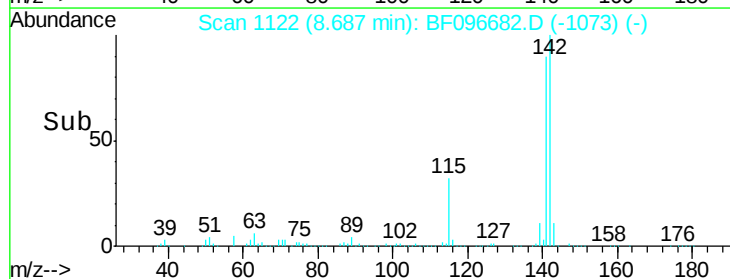
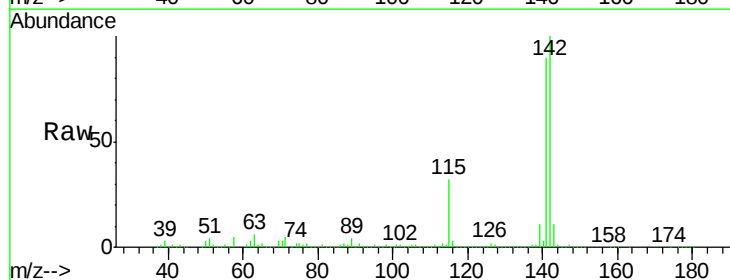
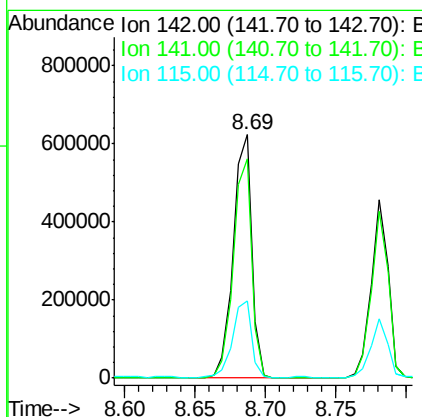
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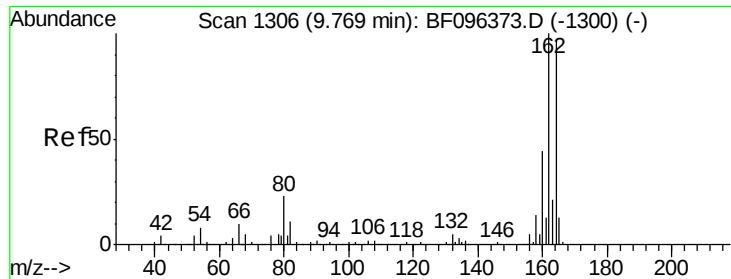
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#37
2-Methylnaphthalene
Concen: 58.065 ng
RT: 8.69 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BF096682.D
Acq: 12 Jul 2017 9:47

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	573398		
141	90.3	71.3	106.9	
115	31.7	27.1	40.7	





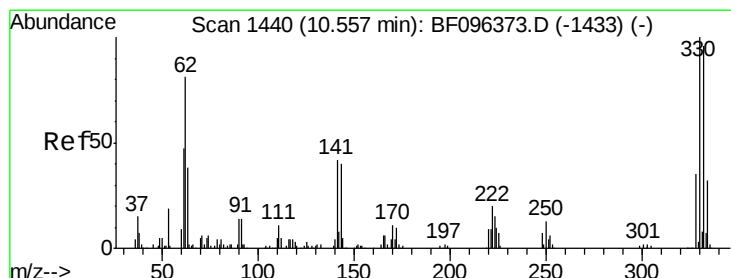
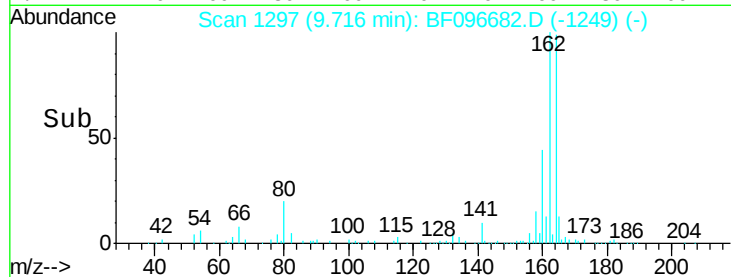
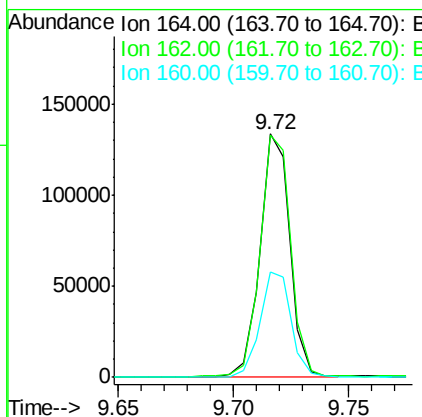
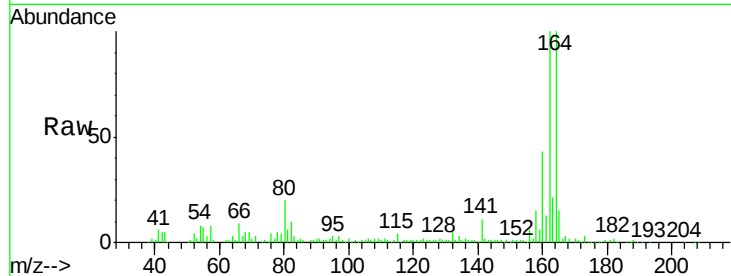
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF096682.D
 Acq: 12 Jul 2017 9:47

Instrument :
 BNA_F
 ClientSampleId :
 E2-P8-BASE

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	120703		
162	99.7	82.6	123.8	
160	43.3	36.2	54.2	

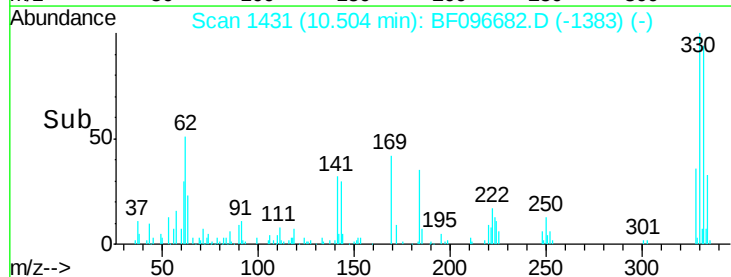
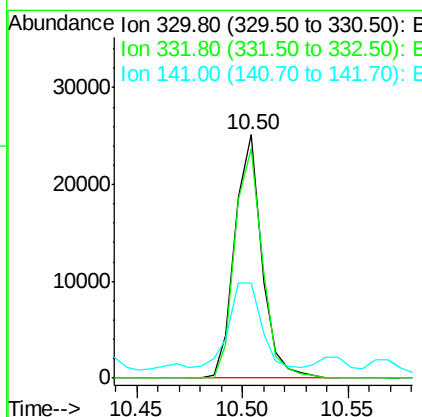
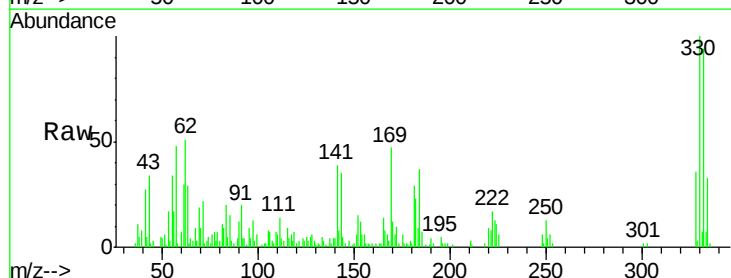
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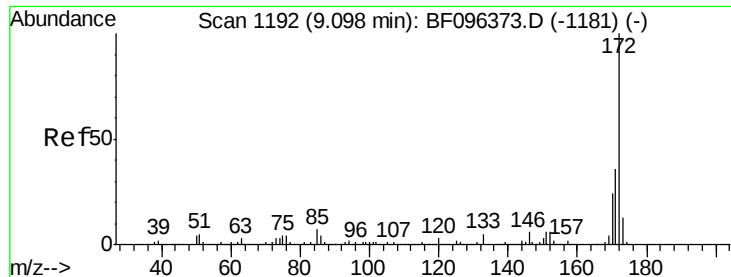
mohammad
 7/12/2017 4:58:33 PM



#41
 2,4,6-Tribromophenol
 Concen: 23.516 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF096682.D
 Acq: 12 Jul 2017 9:47

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	22172		
332	96.4	76.6	115.0	
141	41.3	31.4	47.2	





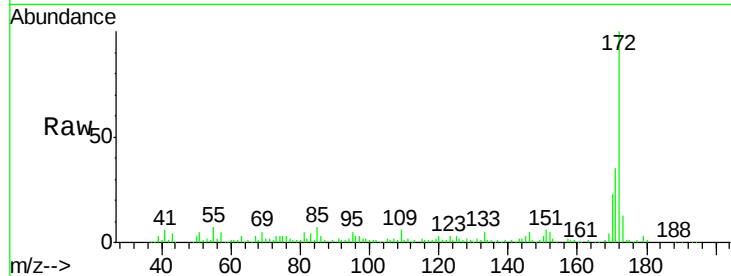
#44
2-Fluorobiphenyl
Concen: 17.460 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF096682.D
Acq: 12 Jul 2017 9:47

Instrument :
BNA_F
ClientSampleId :
E2-P8-BASE

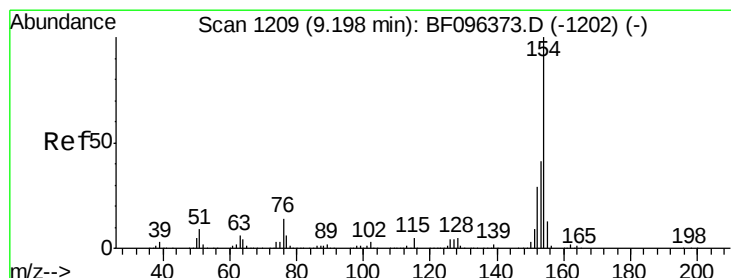
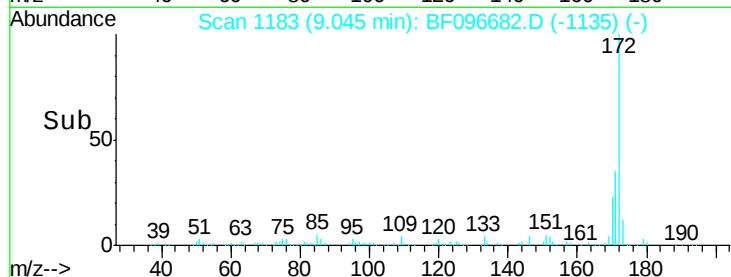
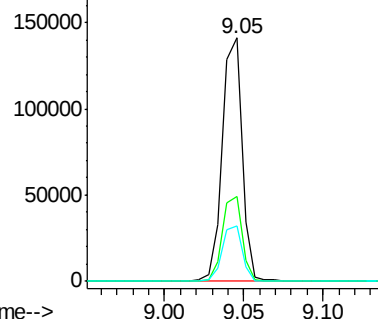
Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	34.8	29.6	44.4
170	22.6	19.8	29.8

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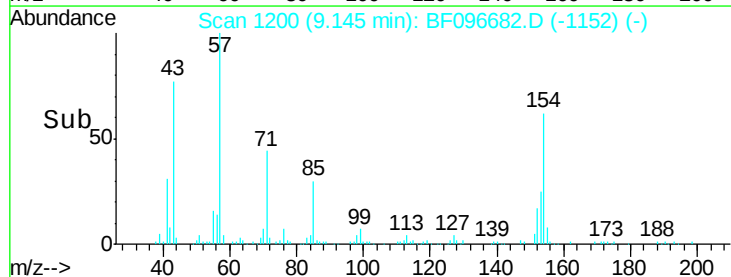
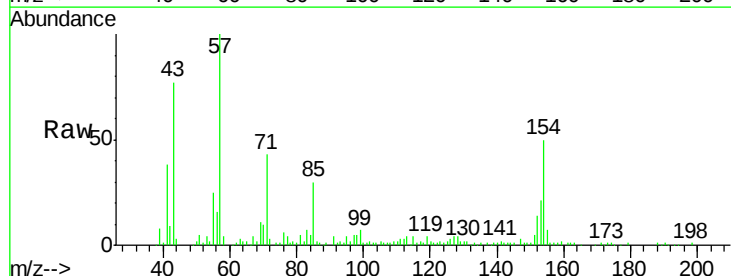
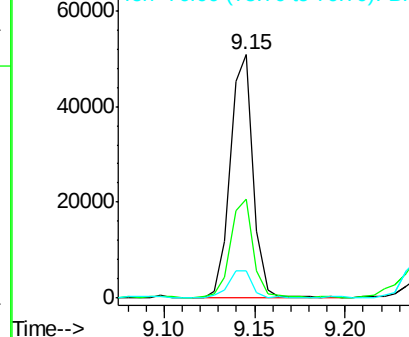
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

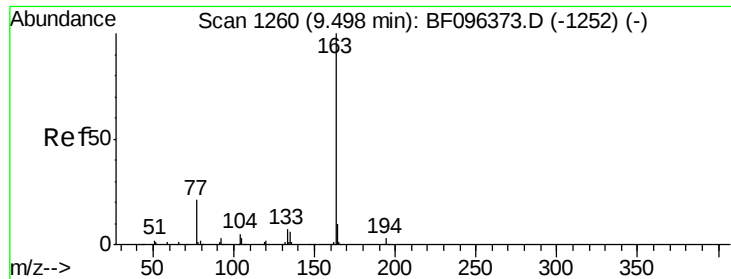


#45
1,1'-Biphenyl
Concen: 4.339 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.02 min
Lab File: BF096682.D
Acq: 12 Jul 2017 9:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	40.9	21.2	61.2
76	11.2	0.0	29.9

Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0





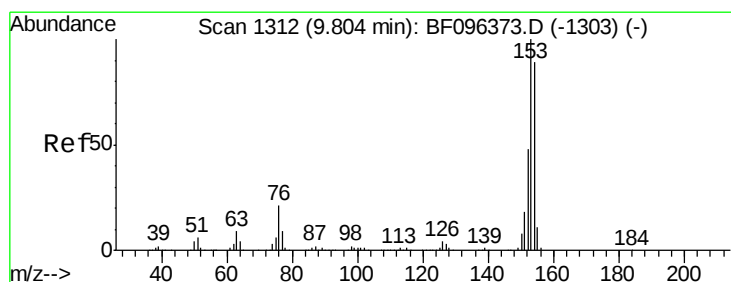
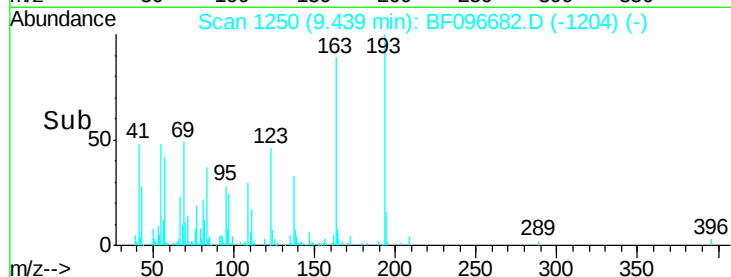
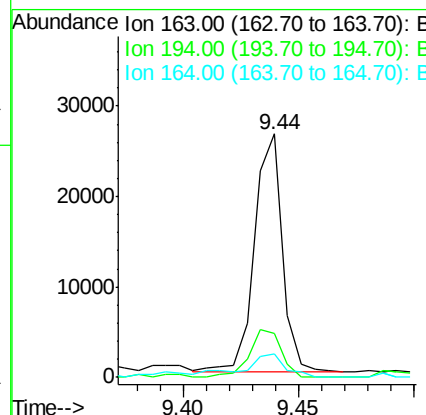
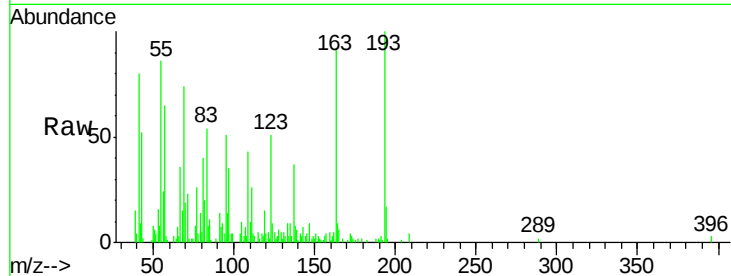
#49
Dimethylphthalate
Concen: 2.474 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.03 min
Lab File: BF096682.D
Acq: 12 Jul 2017 9:47

Instrument :
BNA_F
ClientSampleId :
E2-P8-BASE

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	22292		
194	18.3	2.6	4.0#	
164	9.6	8.4	12.6	

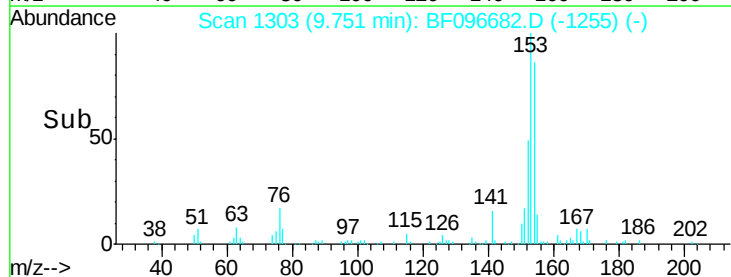
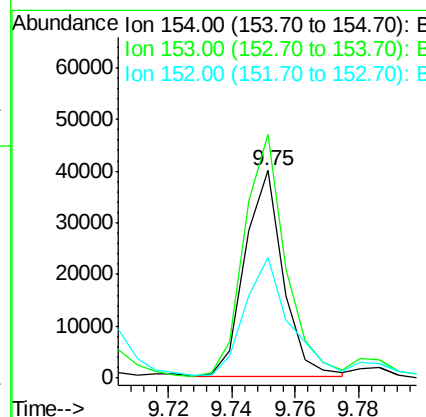
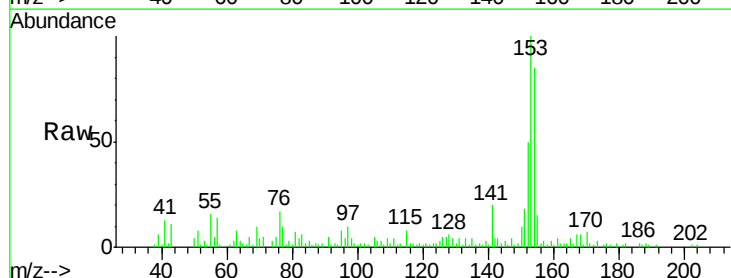
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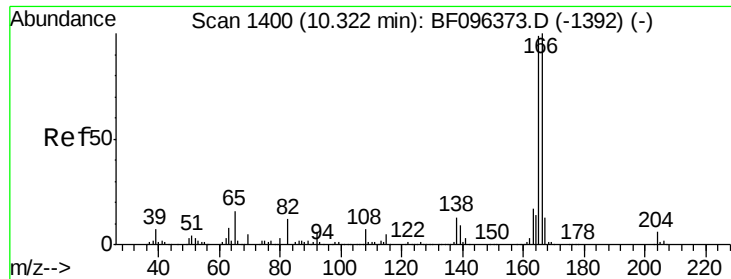
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#51
Acenaphthene
Concen: 4.404 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF096682.D
Acq: 12 Jul 2017 9:47

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	33153		
153	117.2	90.5	135.7	
152	58.3	43.6	65.4	





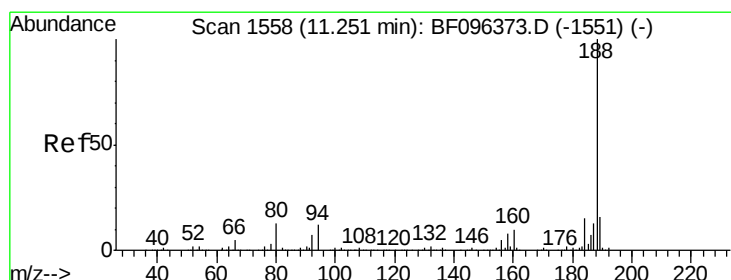
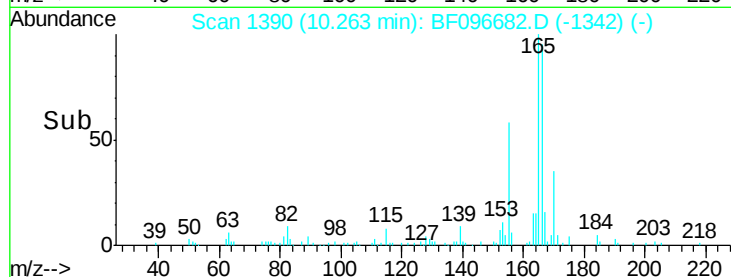
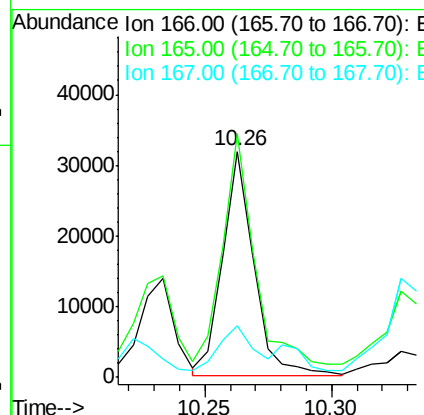
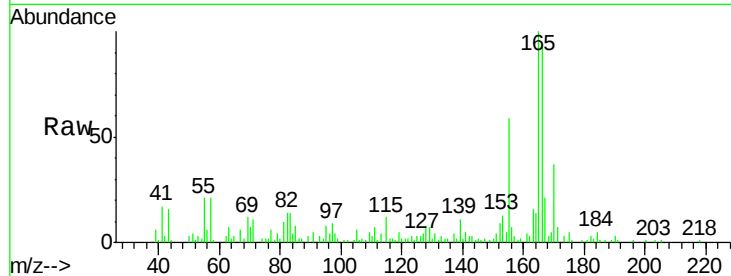
#57
Fluorene
 Concen: 3.888 ng
 RT: 10.26 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: BF096682.D
 Acq: 12 Jul 2017 9:47

Instrument :
 BNA_F
 ClientSampleId :
 E2-P8-BASE

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	27291		
165	107.9	78.8	118.2	
167	22.9	10.6	16.0	

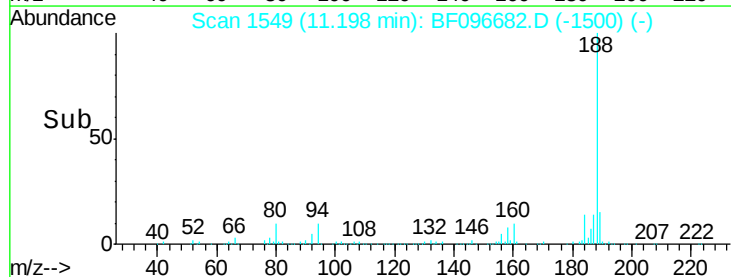
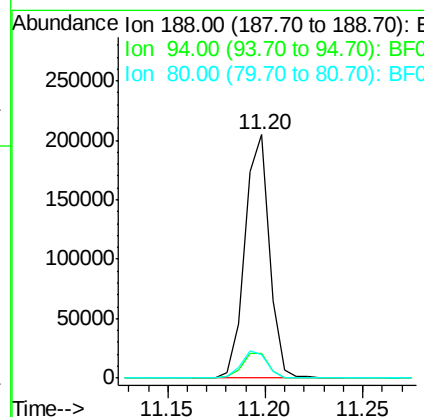
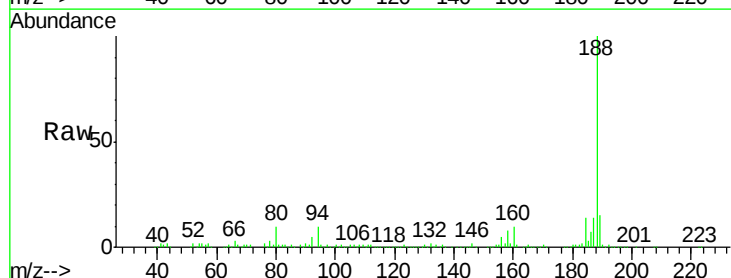
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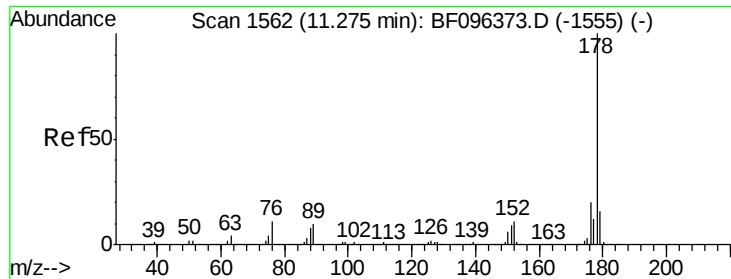
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF096682.D
 Acq: 12 Jul 2017 9:47

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	178195		
94	10.2	9.4	14.2	
80	9.9	10.2	15.2	





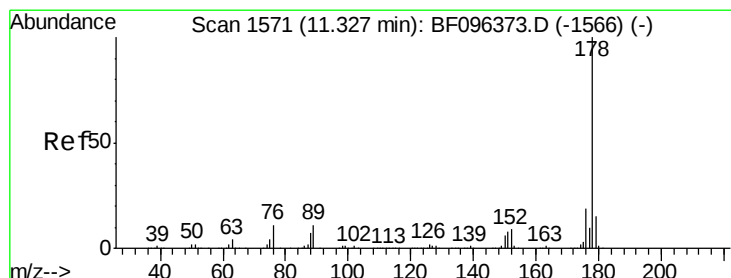
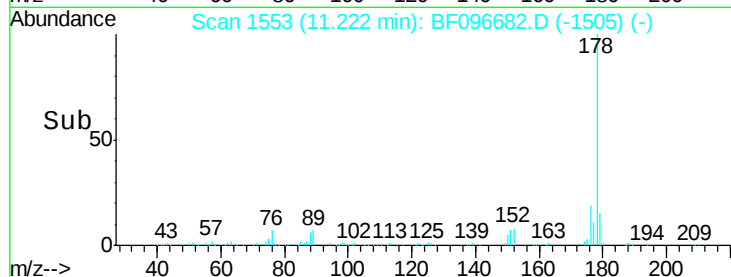
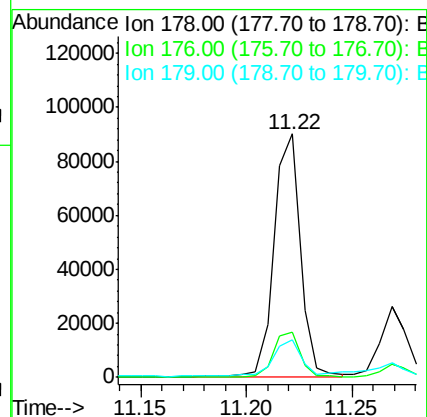
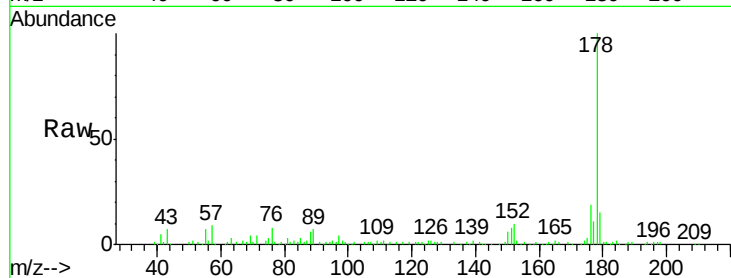
#70
Phenanthrene
Concen: 8.196 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.02 min
Lab File: BF096682.D
Acq: 12 Jul 2017 9:47

Instrument :
BNA_F
ClientSampleId :
E2-P8-BASE

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.2	24.4
179	15.3	12.6	19.0

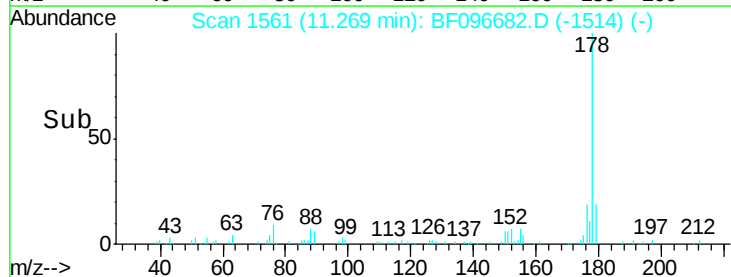
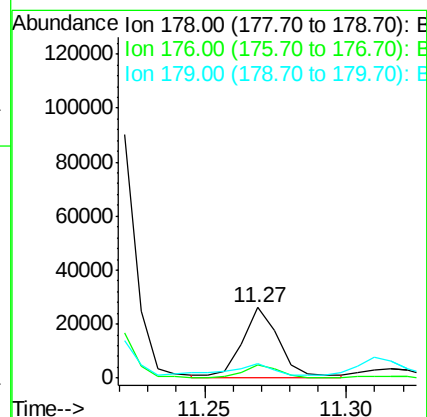
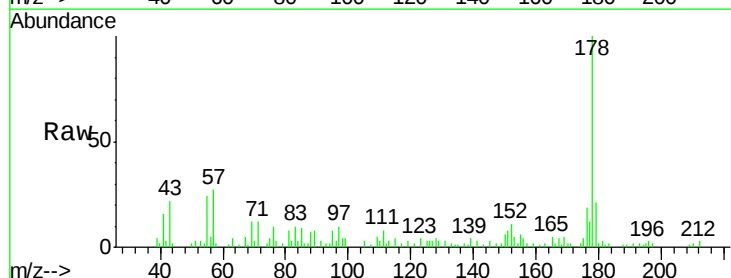
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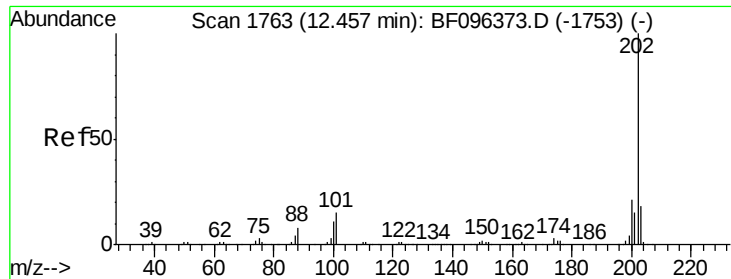
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#71
Anthracene
Concen: 2.482 ng m
RT: 11.27 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF096682.D
Acq: 12 Jul 2017 9:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	20.9	12.7	19.1#





#74

Fluoranthene

Concen: 4.591 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.02 min

Lab File: BF096682.D

Acq: 12 Jul 2017 9:47

Instrument :

BNA_F

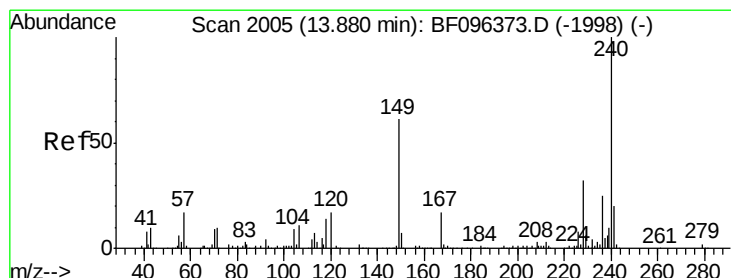
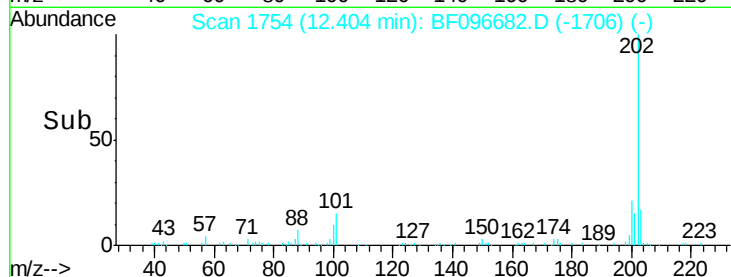
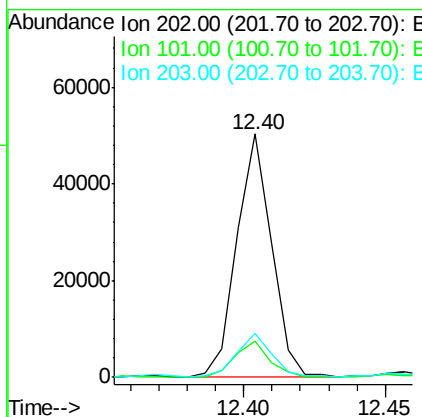
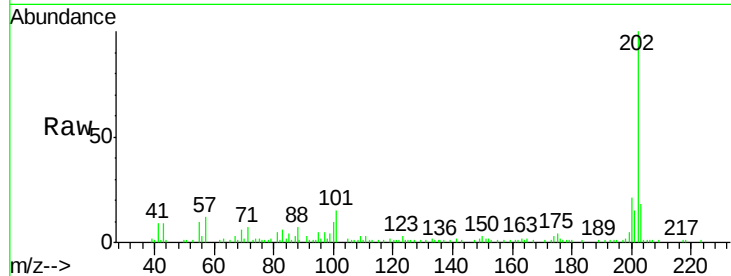
ClientSampleId :

E2-P8-BASE

Tgt	Ion	202	Resp:	43357
Ion	Ratio	Lower	Upper	
202	100			
101	14.7	0.0	33.2	
203	17.9	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

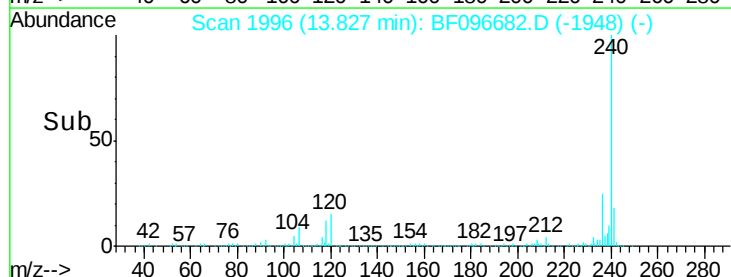
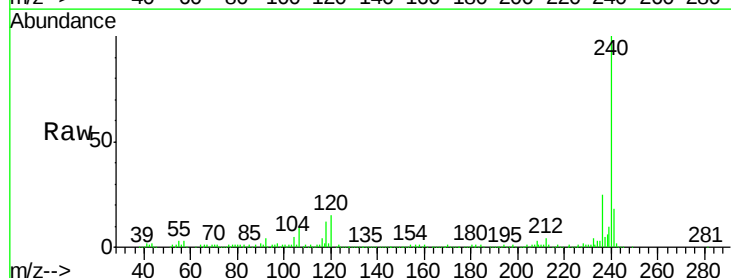
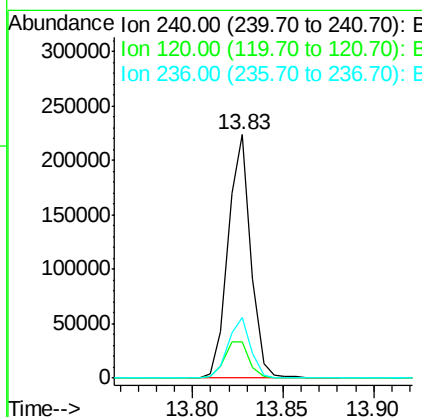
RT: 13.83 min Scan# 1996

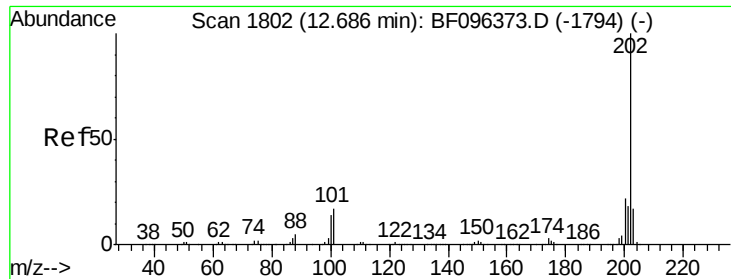
Delta R.T. -0.02 min

Lab File: BF096682.D

Acq: 12 Jul 2017 9:47

Tgt	Ion	240	Resp:	195129
Ion	Ratio	Lower	Upper	
240	100			
120	14.7	5.8	8.8#	
236	24.7	20.5	30.7	





#77

Pyrene

Concen: 2.809 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.02 min

Lab File: BF096682.D

Acq: 12 Jul 2017 9:47

Instrument :

BNA_F

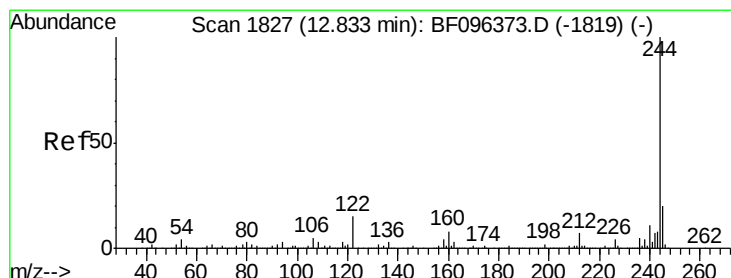
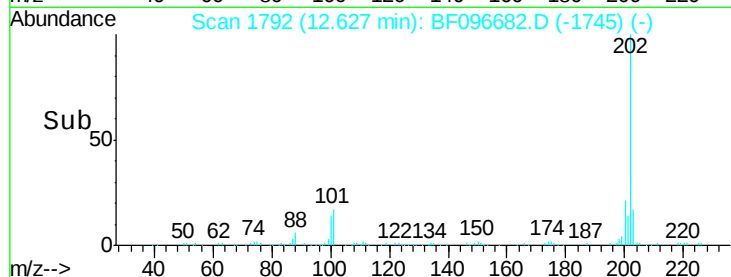
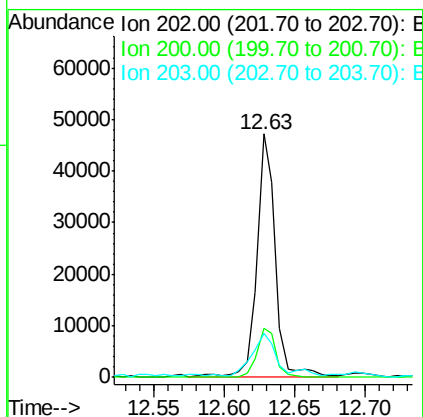
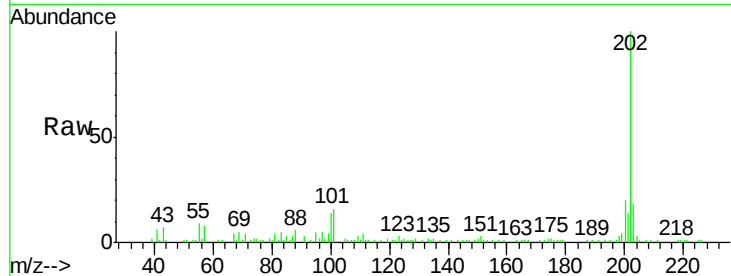
ClientSampleId :

E2-P8-BASE

Tgt Ion:	202	Resp:	44002
Ion Ratio		Lower	Upper
202	100		
200	20.4	17.6	26.4
203	18.1	14.4	21.6

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#78

Terphenyl-d14

Concen: 8.458 ng

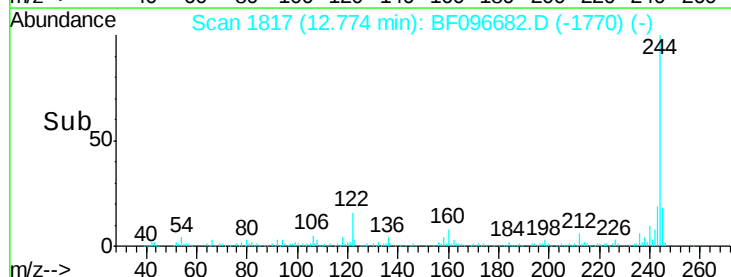
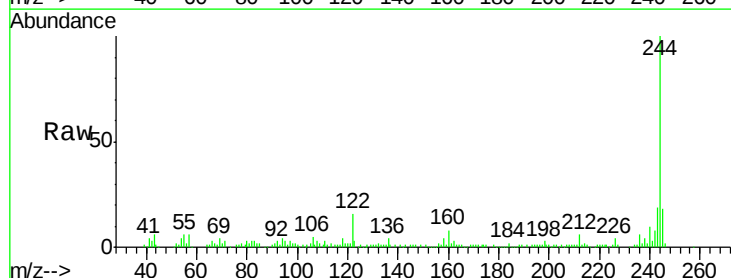
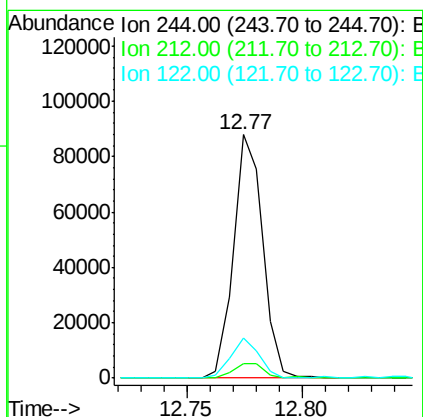
RT: 12.77 min Scan# 1817

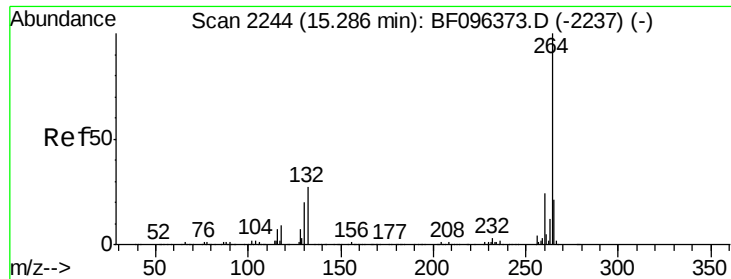
Delta R.T. -0.02 min

Lab File: BF096682.D

Acq: 12 Jul 2017 9:47

Tgt Ion:	244	Resp:	77240
Ion Ratio		Lower	Upper
244	100		
212	6.0	6.0	9.0
122	16.4	10.3	15.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.02 min
Lab File: BF096682.D
Acq: 12 Jul 2017 9:47

Instrument :
BNA_F
ClientSampleId :
E2-P8-BASE

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.3	19.5	29.3
265	21.3	17.2	25.8

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