

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071417\
 Data File : BF096767.D
 Acq On : 14 Jul 2017 11:18
 Operator : SJ/JU
 Sample : I4172-04DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-P6-NSWDL

Manual Integrations
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Quant Time: Jul 17 03:18:39 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	103724	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	305711	20.00	ng	0.00
38) Acenaphthene-d10	9.69	164	152707	20.00	ng	0.02
63) Phenanthrene-d10	11.15	188	248787	20.00	ng	0.00
75) Chrysene-d12	13.77	240	181311	20.00	ng	0.00
86) Perylene-d12	15.16	264	178784	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	161660	23.43	ng	0.00
7) Phenol-d6	6.27	99	194886	23.54	ng	0.00
23) Nitrobenzene-d5	7.20	82	101524	20.57	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	18762	14.39	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	175347	18.14	ng	0.00
78) Terphenyl-d14	12.73	244	133254	12.75	ng	0.00
Target Compounds						Qvalue
12) 1,3-Dichlorobenzene	6.58	146	113186	14.308	ng	99
13) 1,4-Dichlorobenzene	6.66	146	522734	65.250	ng	95
14) 1,2-Dichlorobenzene	6.82	146	1153273	158.273	ng	98
27) 2,4-Dimethylphenol	7.59	122	13084m	2.802	ng	
30) 1,2,4-Trichlorobenzene	7.87	180	85647	21.312	ng	96
31) Naphthalene	7.97	128	4095573	282.801	ng	98
37) 2-Methylnaphthalene	8.67	142	4338755	469.925	ng	97
45) 1,1'-Biphenyl	9.11	154	682340	52.100	ng	98
51) Acenaphthene	9.72	154	228725	25.198	ng	93
54) Dibenzofuran	9.89	168	179855	14.139	ng	# 56
57) Fluorene	10.23	166	216994	23.085	ng	# 88
70) Phenanthrene	11.18	178	412038	30.460	ng	98
71) Anthracene	11.23	178	95764m	7.002	ng	
74) Fluoranthene	12.36	202	56221	4.342	ng	98
77) Pyrene	12.58	202	68988	4.193	ng	98

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

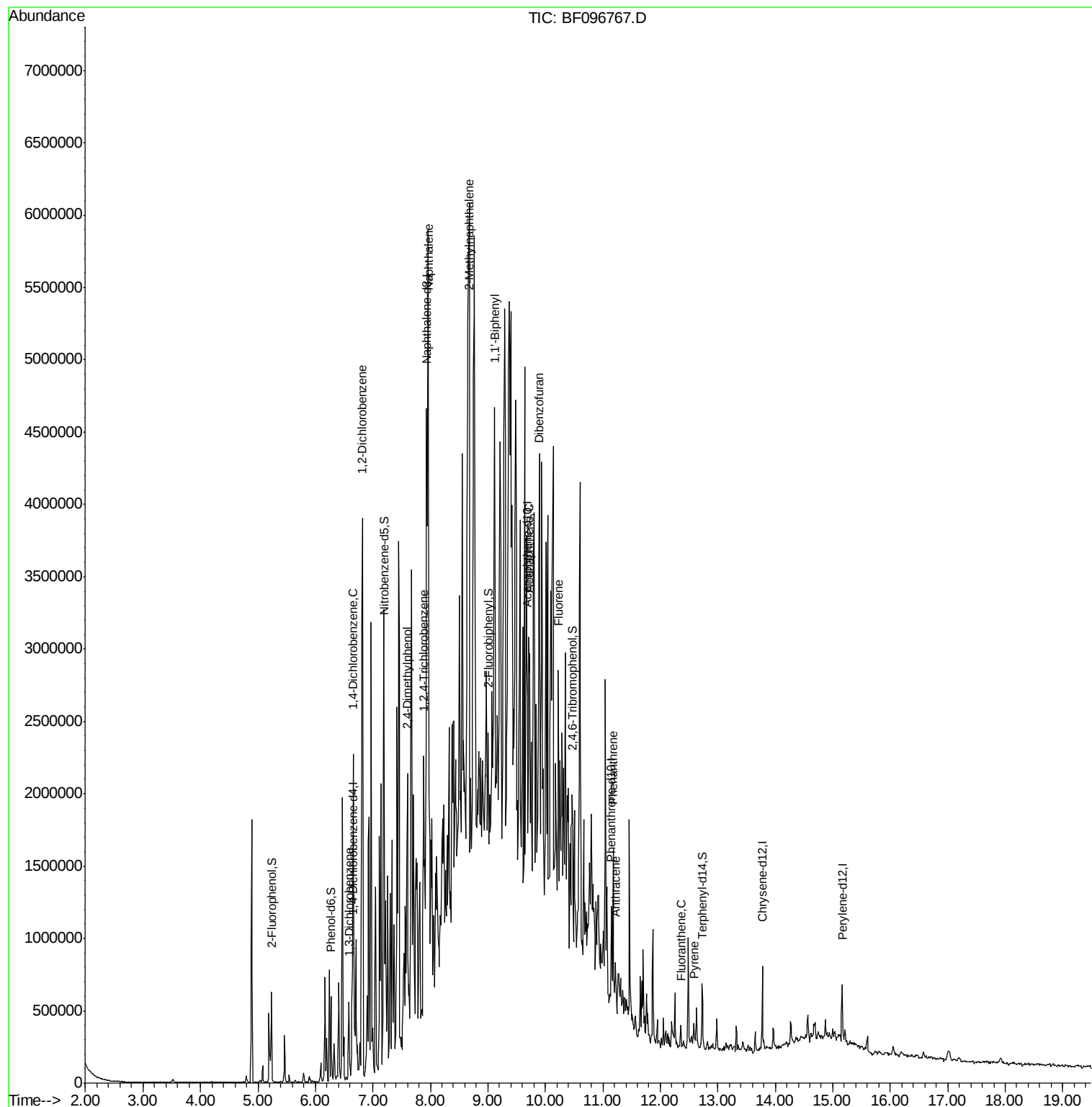
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071417\
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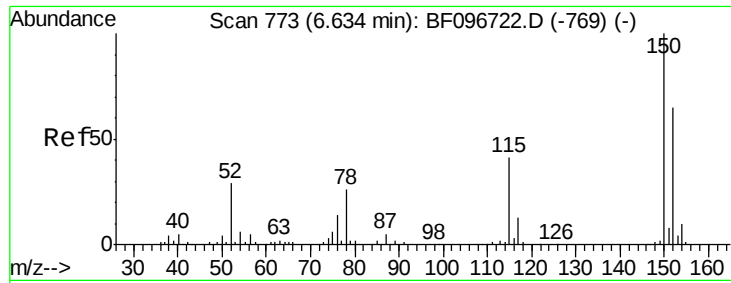
Instrument :
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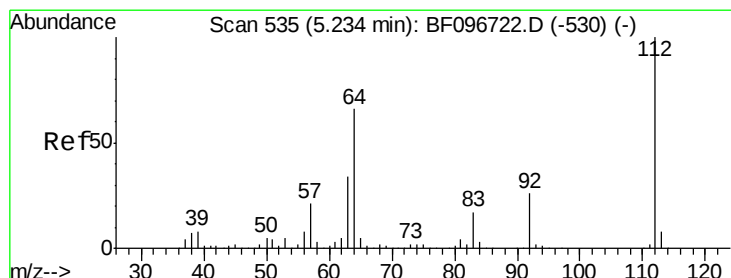
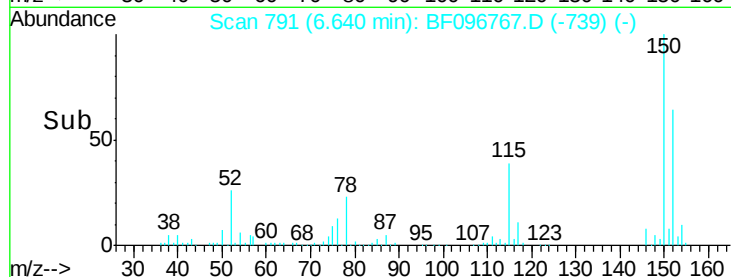
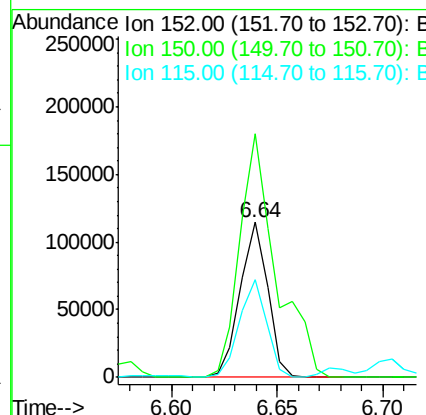
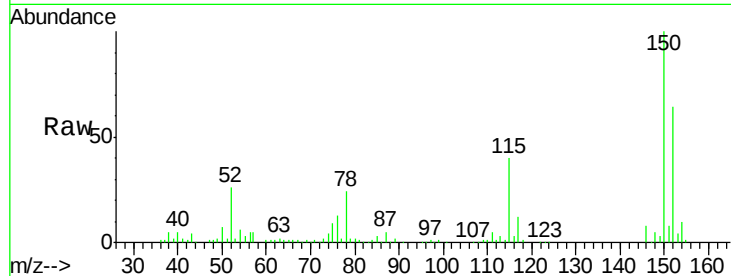
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.64 min Scan# 791
 Delta R.T. 0.01 min
 Lab File: BF096767.D
 Acq: 14 Jul 2017 11:18

Instrument :
 BNA_F
 ClientSampleId :
 E2-P6-NSWDL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.2
115	62.9	52.2	78.2

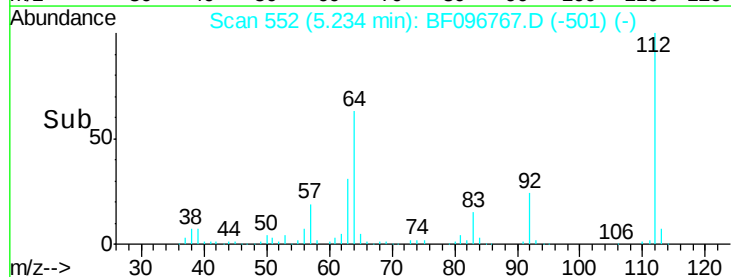
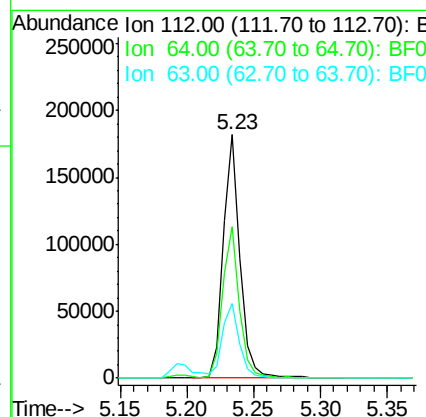
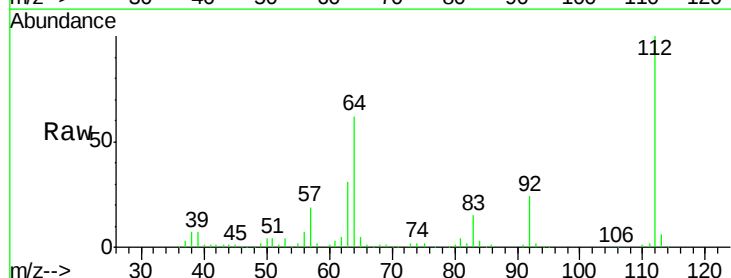
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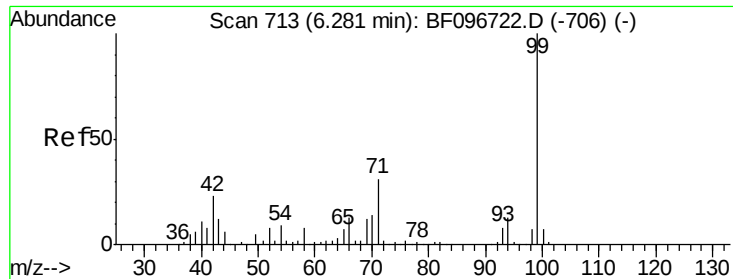
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#5
 2-Fluorophenol
 Concen: 23.434 ng
 RT: 5.23 min Scan# 552
 Delta R.T. 0.00 min
 Lab File: BF096767.D
 Acq: 14 Jul 2017 11:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.3	46.0	69.0
63	30.9	23.4	35.0





#7

Phenol-d6

Concen: 23.542 ng

RT: 6.27 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF096767.D

Acq: 14 Jul 2017 11:18

Instrument :

BNA_F

ClientSampleId :

E2-P6-NSWDL

Tgt Ion: 99 Resp: 194886

Ion Ratio Lower Upper

99 100

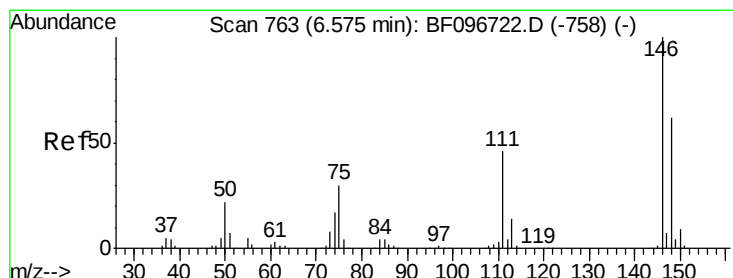
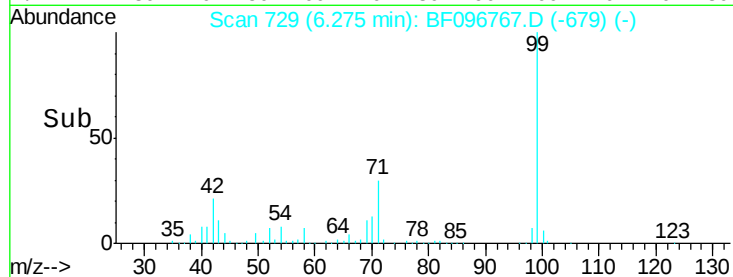
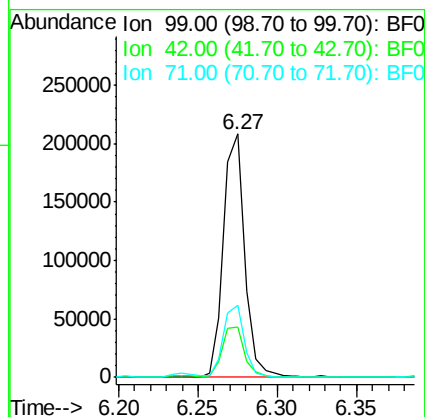
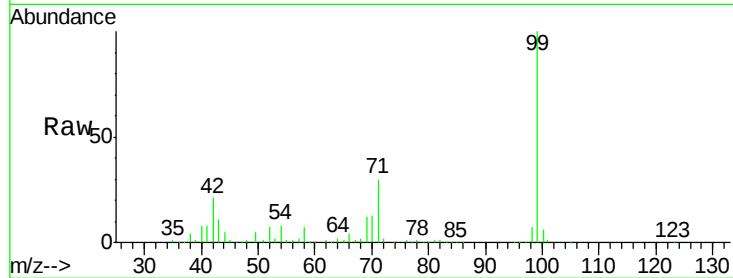
42 20.6 13.5 20.3#

71 29.7 24.5 36.7

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#12

1,3-Dichlorobenzene

Concen: 14.308 ng

RT: 6.58 min Scan# 781

Delta R.T. 0.01 min

Lab File: BF096767.D

Acq: 14 Jul 2017 11:18

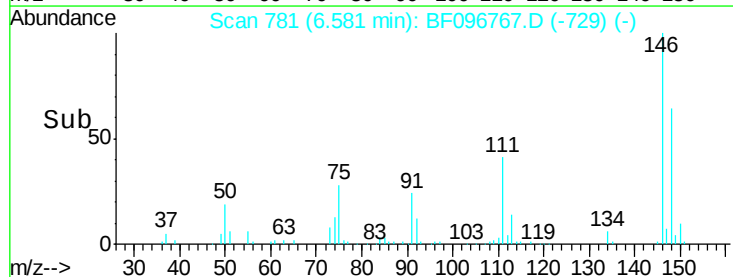
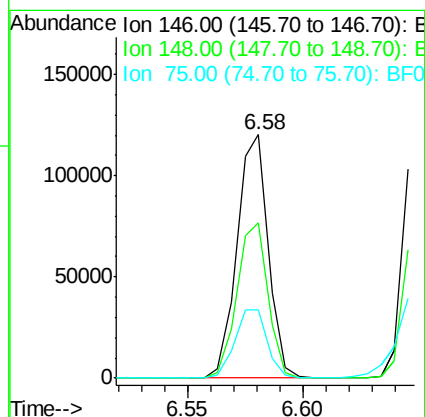
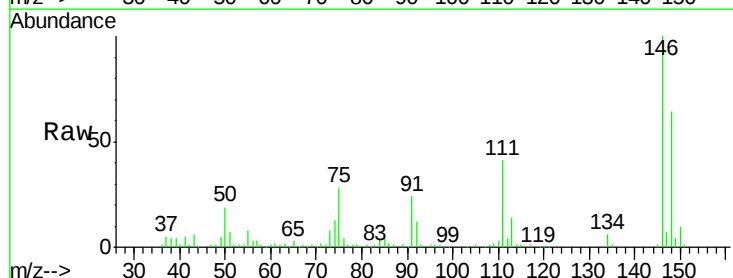
Tgt Ion: 146 Resp: 113186

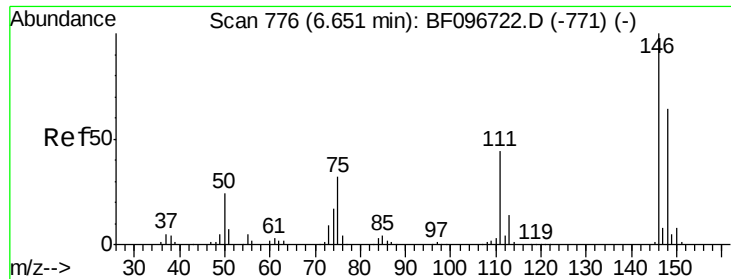
Ion Ratio Lower Upper

146 100

148 63.8 51.8 77.6

75 27.8 23.1 34.7





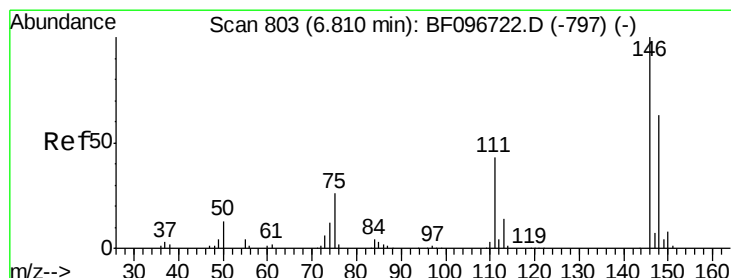
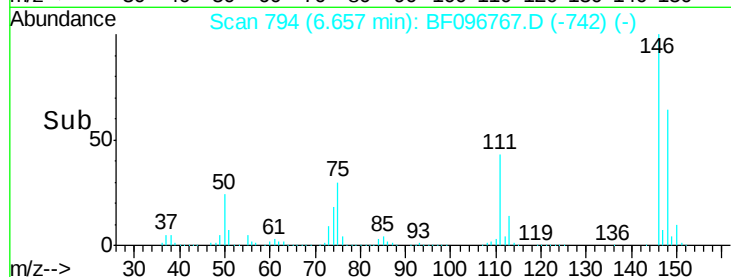
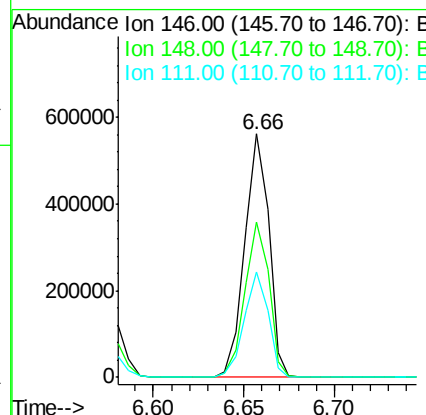
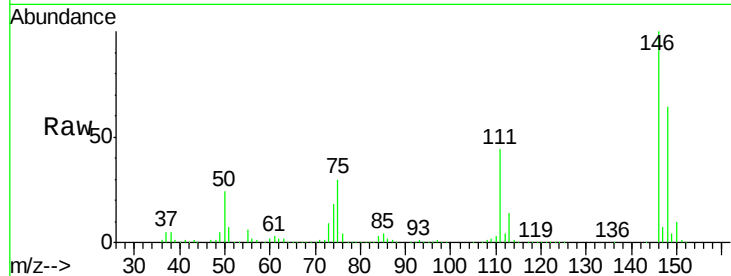
#13
 1,4-Dichlorobenzene
 Concen: 65.250 ng
 RT: 6.66 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: BF096767.D
 Acq: 14 Jul 2017 11:18

Instrument :
 BNA_F
 ClientSampleId :
 E2-P6-NSWDL

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	52.2	78.2
111	43.5	30.3	45.5

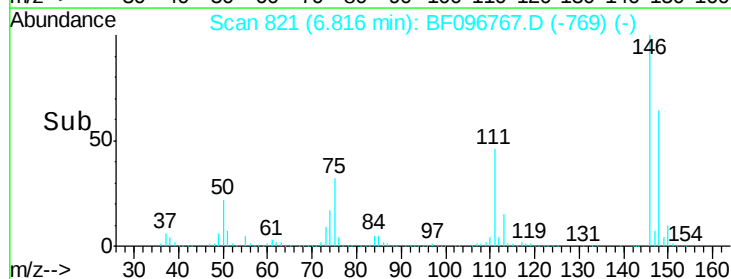
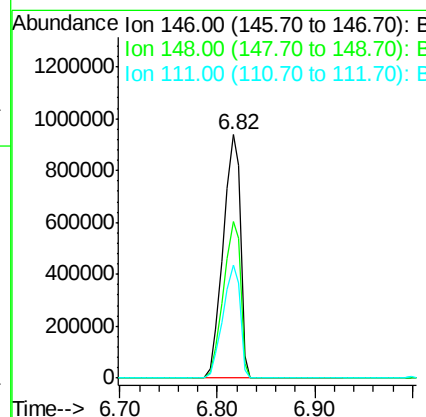
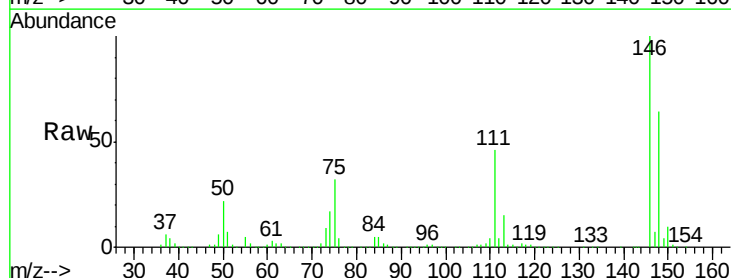
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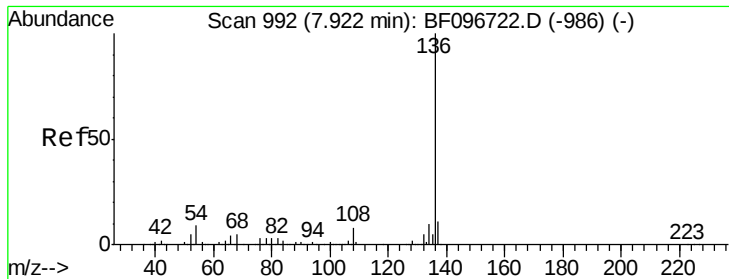
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#14
 1,2-Dichlorobenzene
 Concen: 158.273 ng
 RT: 6.82 min Scan# 821
 Delta R.T. 0.01 min
 Lab File: BF096767.D
 Acq: 14 Jul 2017 11:18

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.4	75.6
111	46.2	38.2	57.4





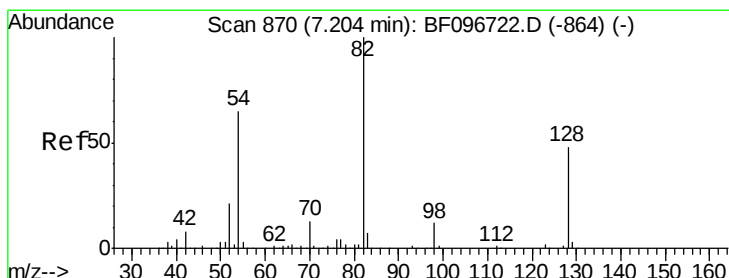
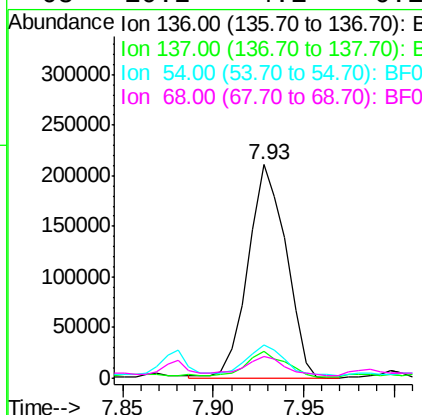
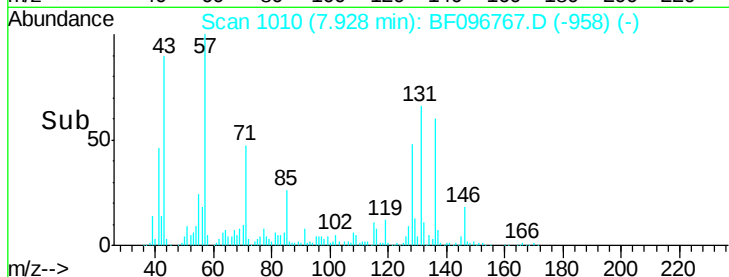
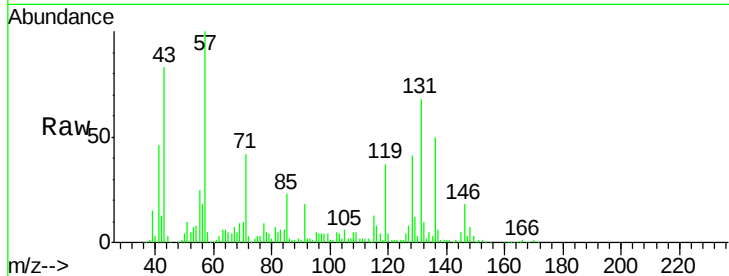
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 1010
Delta R.T. 0.01 min
Lab File: BF096767.D
Acq: 14 Jul 2017 11:18

Instrument :
BNA_F
ClientSampleId :
E2-P6-NSWDL

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	305711		
137	12.4	8.5	12.7	
54	15.5	4.9	7.3#	
68	10.2	4.1	6.1#	

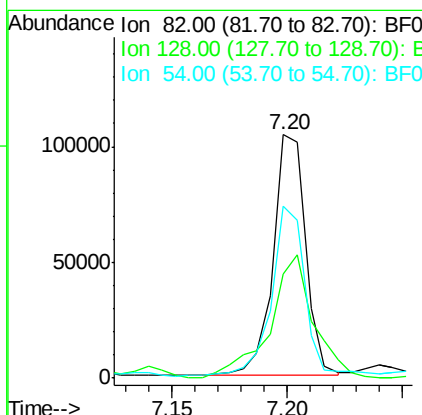
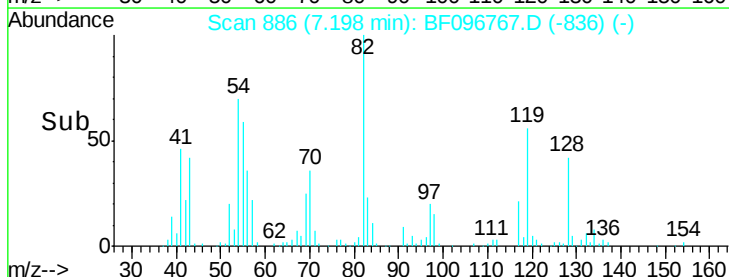
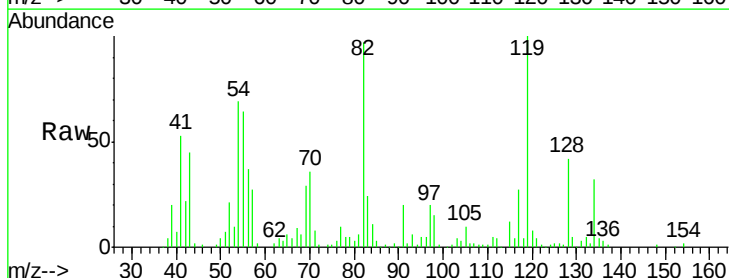
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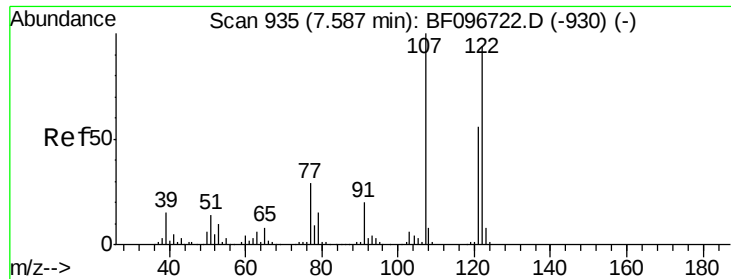
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#23
Nitrobenzene-d5
Concen: 20.570 ng
RT: 7.20 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF096767.D
Acq: 14 Jul 2017 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	101524		
128	42.7	34.0	51.0	
54	70.5	42.2	63.2#	





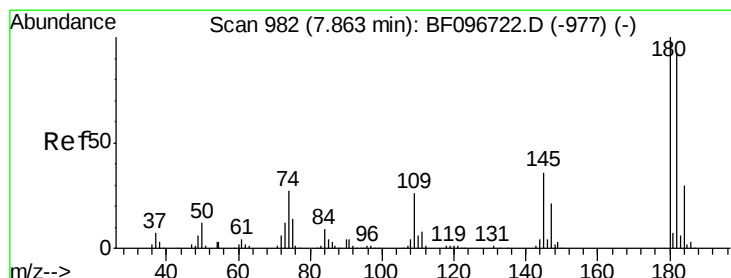
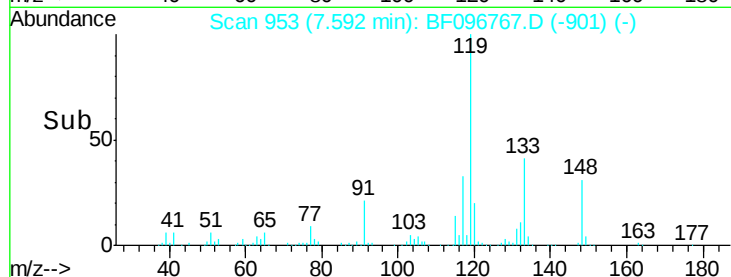
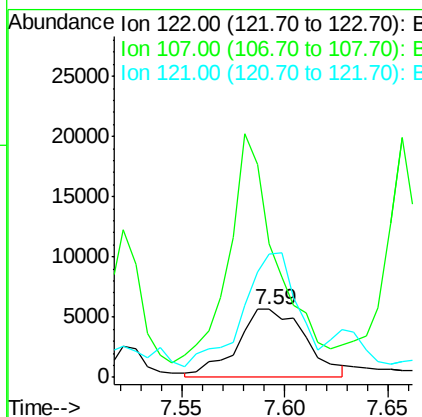
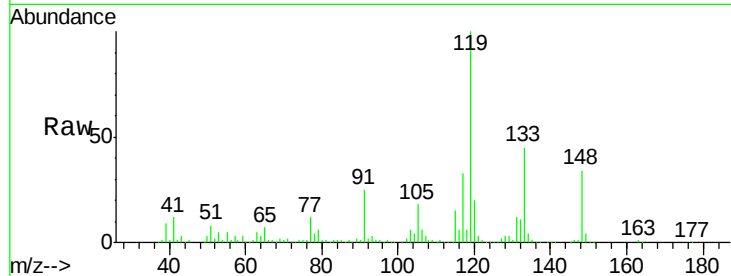
#27
 2,4-Dimethylphenol
 Concen: 2.802 ng m
 RT: 7.59 min Scan# 953
 Delta R.T. 0.01 min
 Lab File: BF096767.D
 Acq: 14 Jul 2017 11:18

Instrument :
 BNA_F
 ClientSampleId :
 E2-P6-NSWDL

Tgt Ion:122 Resp: 13084
 Ion Ratio Lower Upper
 122 100
 107 197.6 89.2 133.8#
 121 182.2 45.2 67.8#

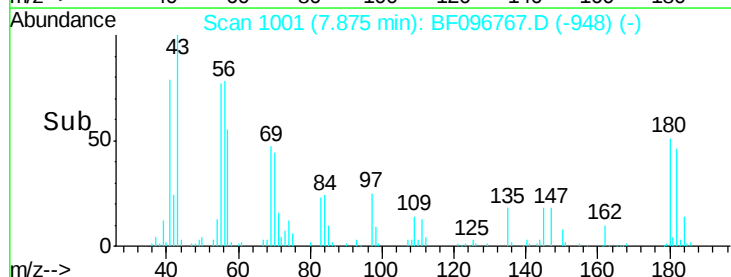
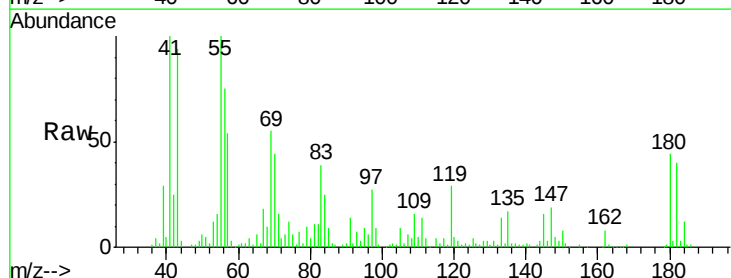
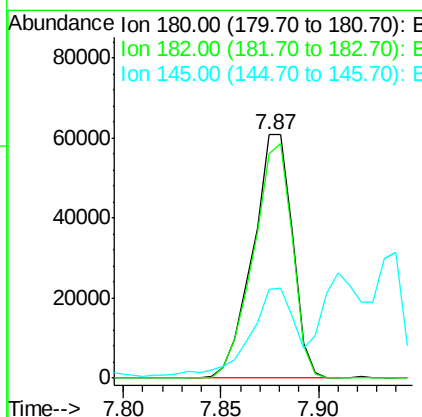
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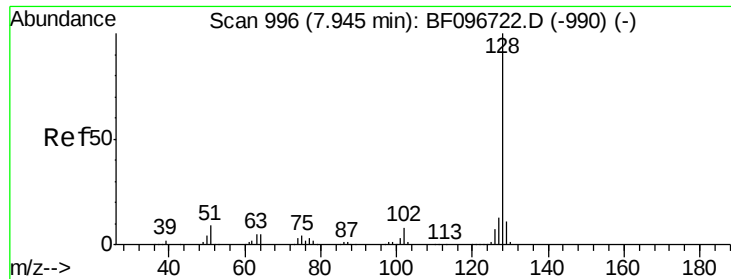
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#30
 1,2,4-Trichlorobenzene
 Concen: 21.312 ng
 RT: 7.87 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: BF096767.D
 Acq: 14 Jul 2017 11:18

Tgt Ion:180 Resp: 85647
 Ion Ratio Lower Upper
 180 100
 182 92.1 75.8 113.6
 145 36.7 25.3 37.9





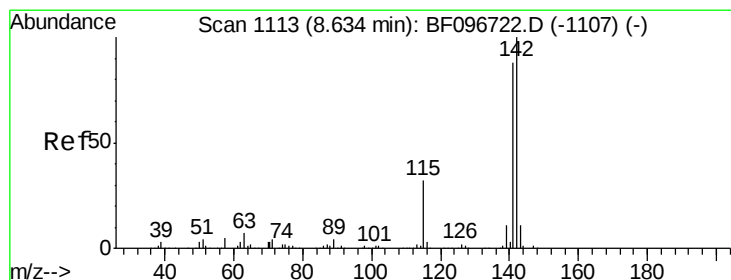
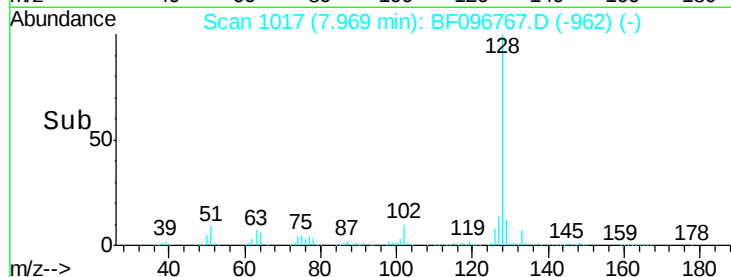
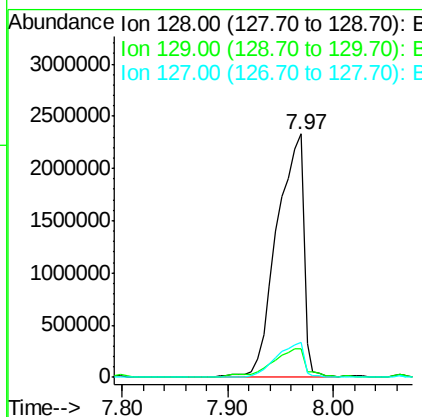
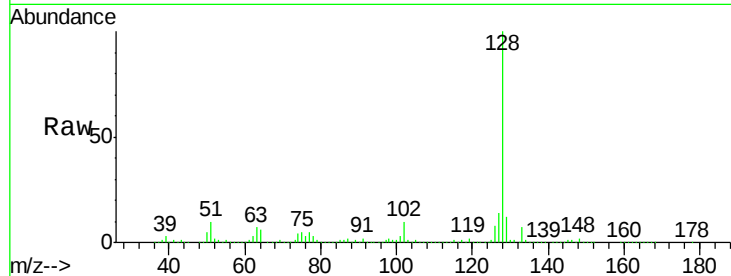
#31
Naphthalene
Concen: 282.801 ng
RT: 7.97 min Scan# 1017
Delta R.T. 0.02 min
Lab File: BF096767.D
Acq: 14 Jul 2017 11:18

Instrument :
BNA_F
ClientSampleId :
E2-P6-NSWDL

Tgt Ion:128 Resp: 4095573
Ion Ratio Lower Upper
128 100
129 11.6 9.0 13.6
127 14.4 10.8 16.2

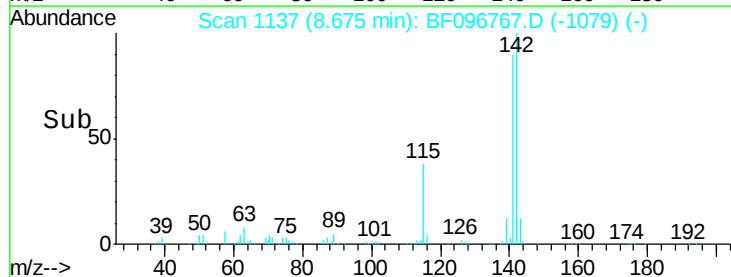
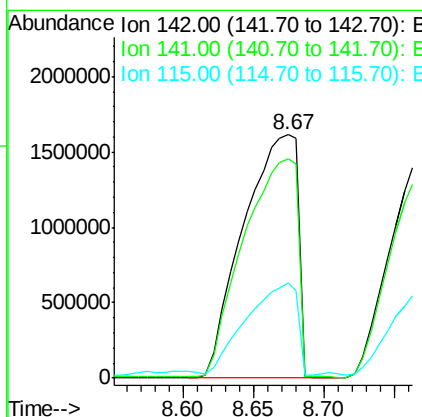
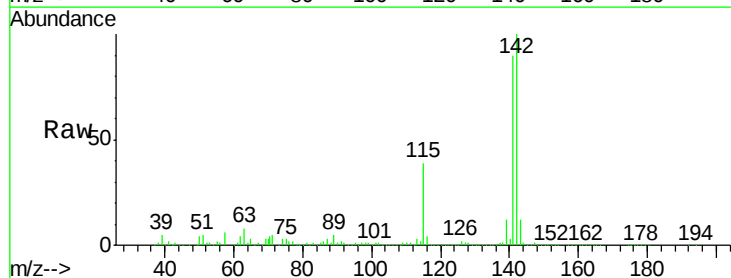
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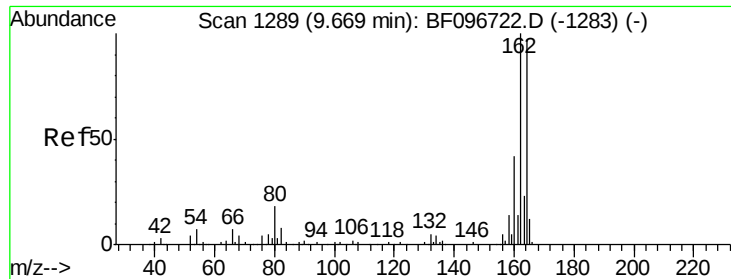
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#37
2-Methylnaphthalene
Concen: 469.925 ng
RT: 8.67 min Scan# 1137
Delta R.T. 0.04 min
Lab File: BF096767.D
Acq: 14 Jul 2017 11:18

Tgt Ion:142 Resp: 4338755
Ion Ratio Lower Upper
142 100
141 90.2 71.3 106.9
115 38.9 27.1 40.7





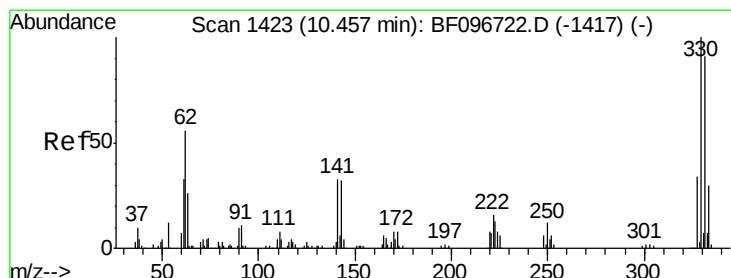
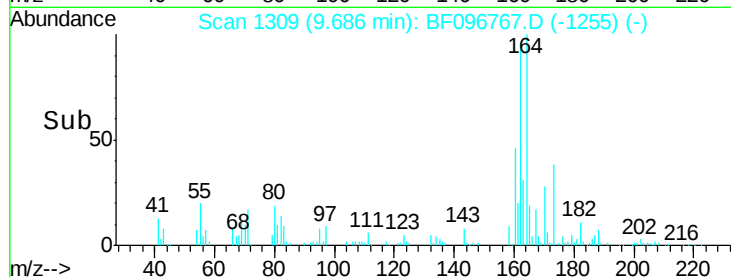
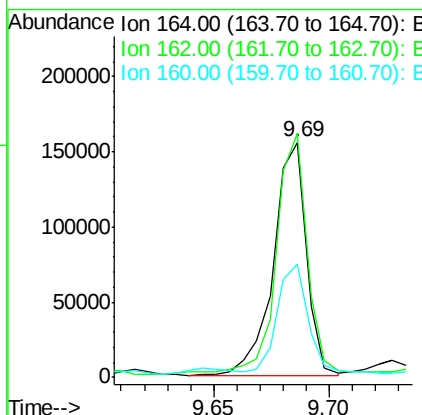
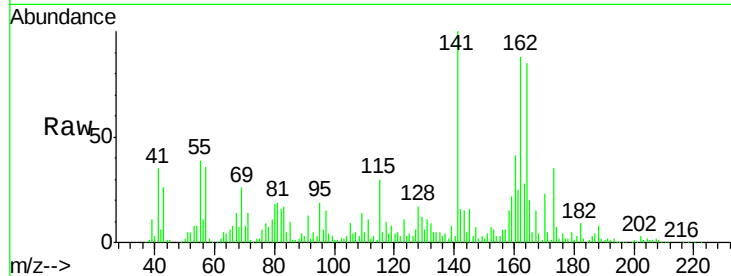
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.69 min Scan# 1309
 Delta R.T. 0.02 min
 Lab File: BF096767.D
 Acq: 14 Jul 2017 11:18

Instrument :
 BNA_F
 ClientSampleId :
 E2-P6-NSWDL

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	152707		
162	103.6	82.6	123.8	
160	48.3	36.2	54.2	

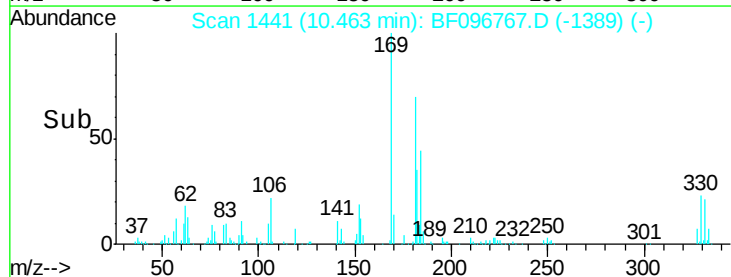
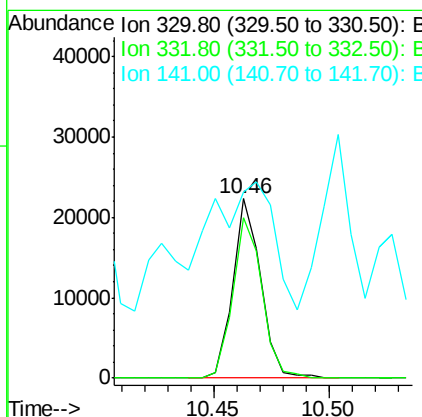
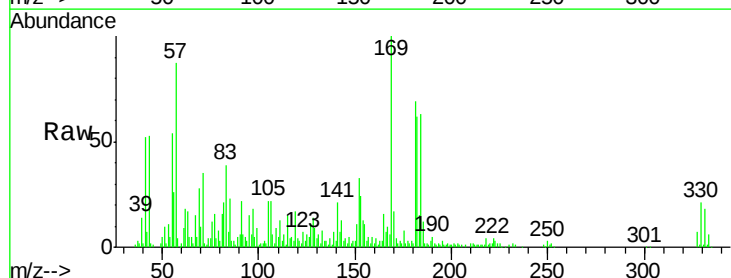
Manual Integrations
 APPROVED

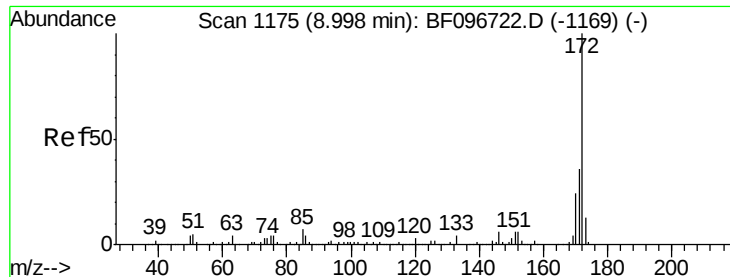
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#41
 2,4,6-Tribromophenol
 Concen: 14.394 ng
 RT: 10.46 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: BF096767.D
 Acq: 14 Jul 2017 11:18

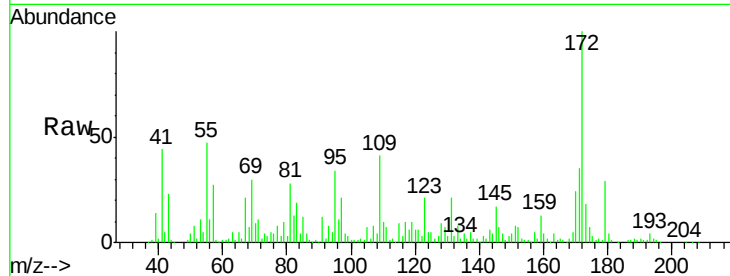
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	18762		
332	93.7	76.6	115.0	
141	153.2	31.4	47.2	





#44
 2-Fluorobiphenyl
 Concen: 18.142 ng
 RT: 9.00 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: BF096767.D
 Acq: 14 Jul 2017 11:18

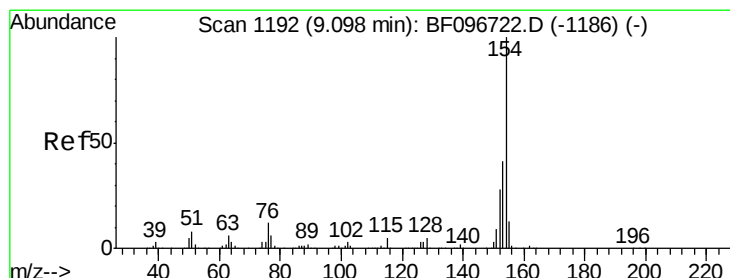
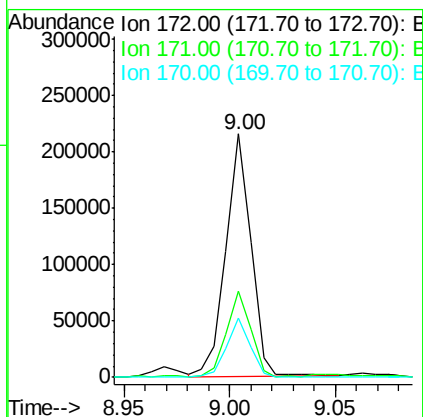
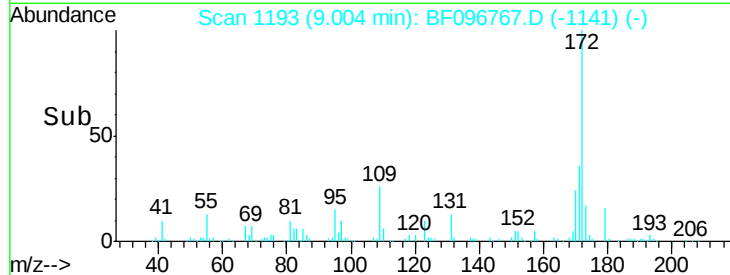
Instrument :
 BNA_F
 ClientSampleId :
 E2-P6-NSWDL



Tgt Ion:172 Resp: 175347
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.6 44.4
 170 24.4 19.8 29.8

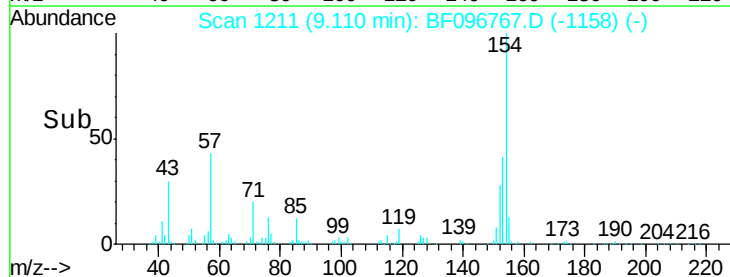
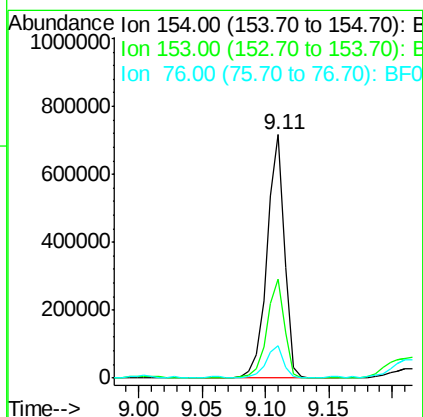
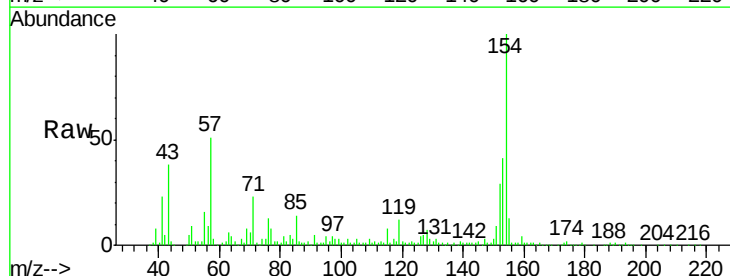
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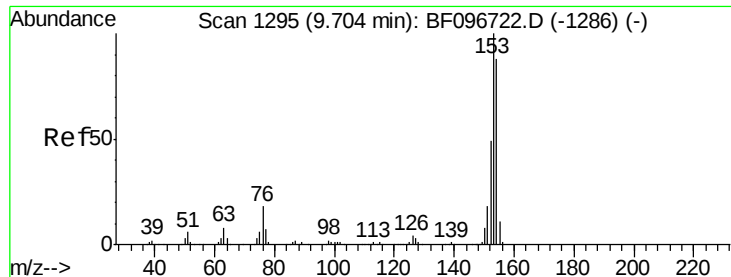
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#45
 1,1'-Biphenyl
 Concen: 52.100 ng
 RT: 9.11 min Scan# 1211
 Delta R.T. 0.01 min
 Lab File: BF096767.D
 Acq: 14 Jul 2017 11:18

Tgt Ion:154 Resp: 682340
 Ion Ratio Lower Upper
 154 100
 153 40.8 21.2 61.2
 76 13.1 0.0 29.9





#51

Acenaphthene

Concen: 25.198 ng

RT: 9.72 min Scan# 1314

Delta R.T. 0.01 min

Lab File: BF096767.D

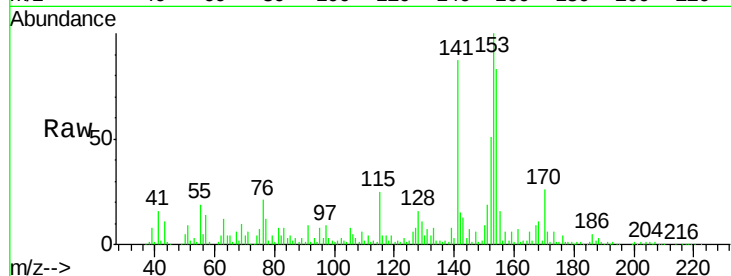
Acq: 14 Jul 2017 11:18

Instrument :

BNA_F

ClientSampleId :

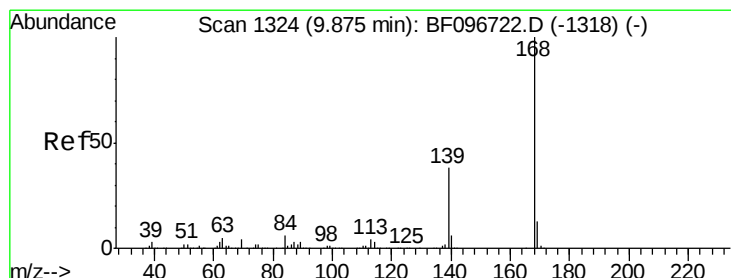
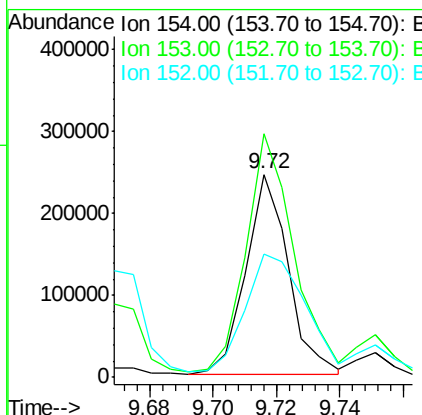
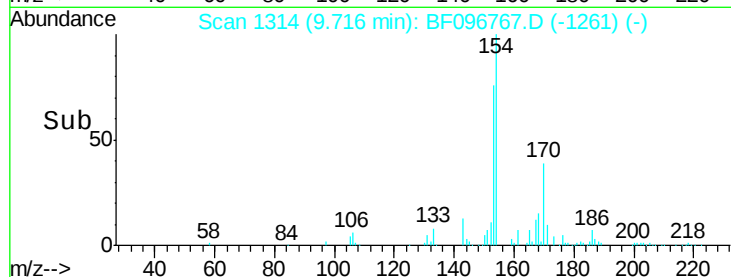
E2-P6-NSWDL



Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	119.8	90.5	135.7	
152	60.6	43.6	65.4	

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#54

Dibenzofuran

Concen: 14.139 ng

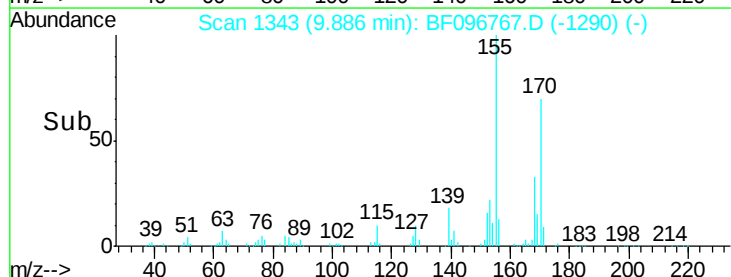
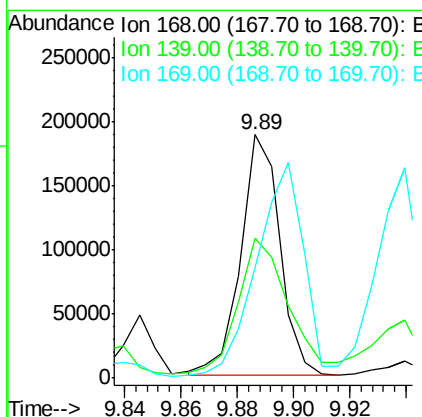
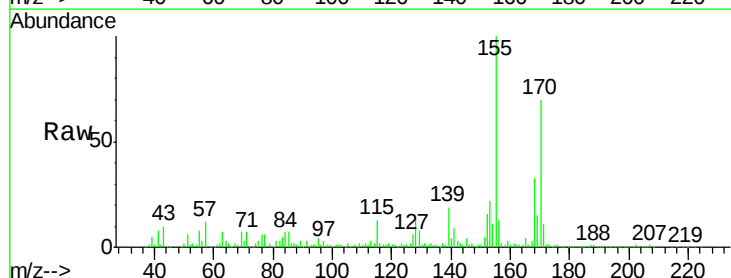
RT: 9.89 min Scan# 1343

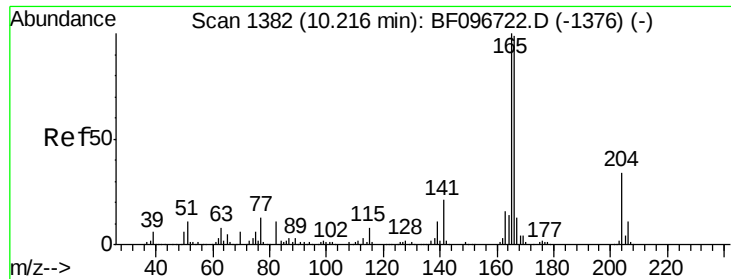
Delta R.T. 0.01 min

Lab File: BF096767.D

Acq: 14 Jul 2017 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	57.4	30.6	45.8#	
169	45.5	10.8	16.2#	





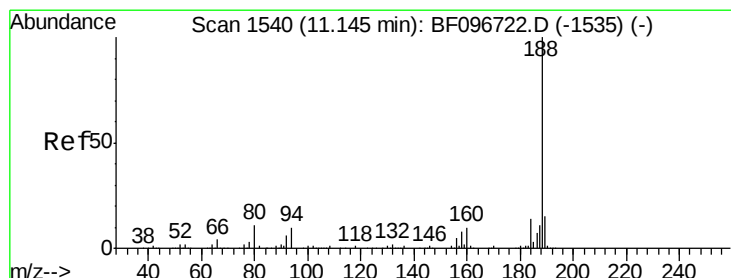
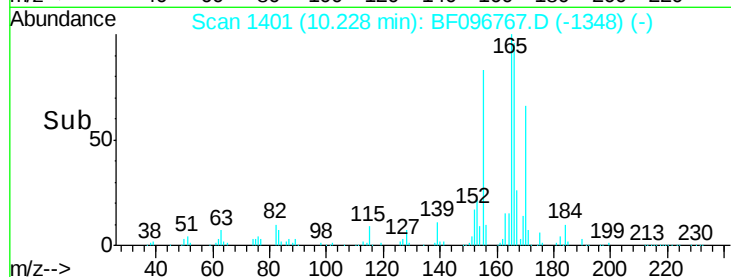
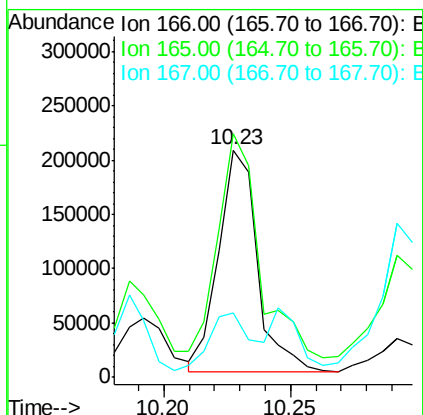
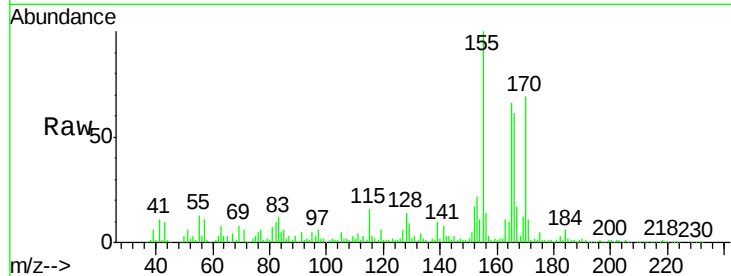
#57
Fluorene
 Concen: 23.085 ng
 RT: 10.23 min Scan# 1401
 Delta R.T. 0.01 min
 Lab File: BF096767.D
 Acq: 14 Jul 2017 11:18

Instrument :
 BNA_F
 ClientSampleId :
 E2-P6-NSWDL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	216994		
165	107.2	78.8	118.2	
167	28.3	10.6	16.0	

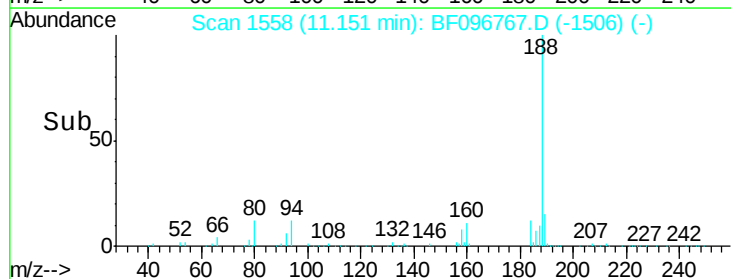
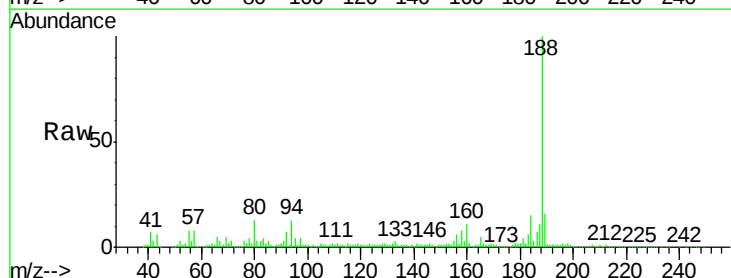
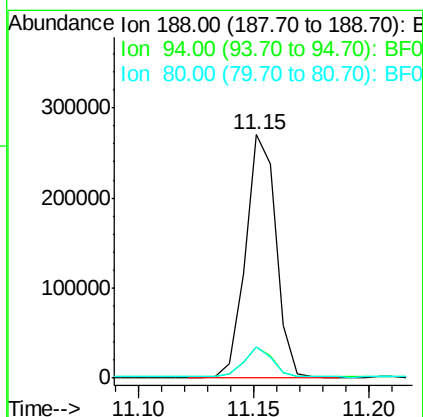
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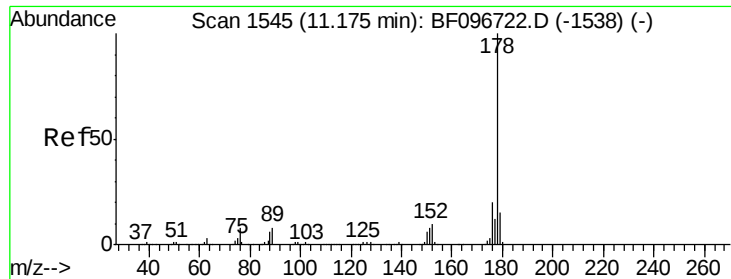
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.15 min Scan# 1558
 Delta R.T. 0.01 min
 Lab File: BF096767.D
 Acq: 14 Jul 2017 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	248787		
94	12.8	9.4	14.2	
80	12.9	10.2	15.2	





#70

Phenanthrene

Concen: 30.460 ng

RT: 11.18 min Scan# 1563

Delta R.T. 0.01 min

Lab File: BF096767.D

Acq: 14 Jul 2017 11:18

Instrument :

BNA_F

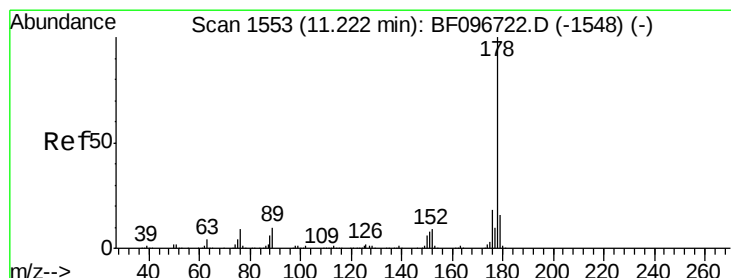
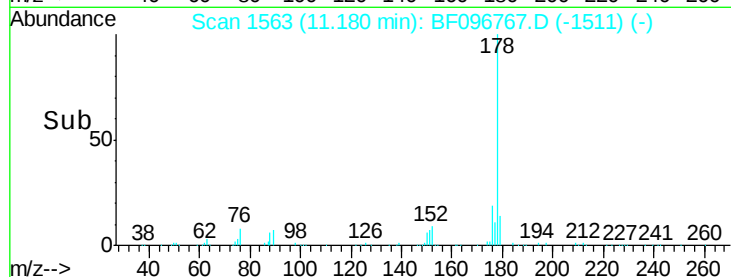
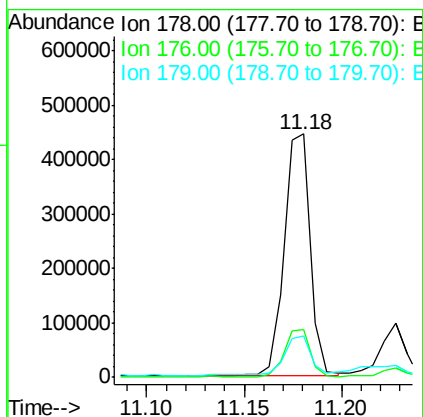
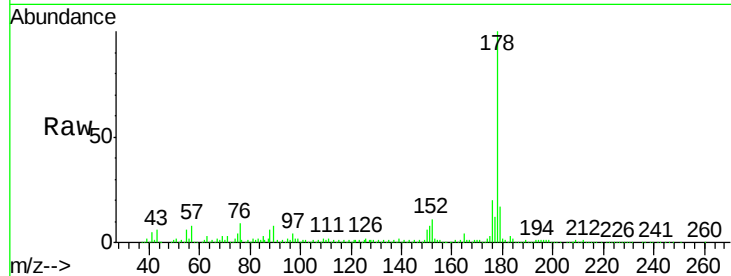
ClientSampleId :

E2-P6-NSWDL

Tgt Ion:	178	Resp:	412038
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.2	24.4
179	16.8	12.6	19.0

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#71

Anthracene

Concen: 7.002 ng m

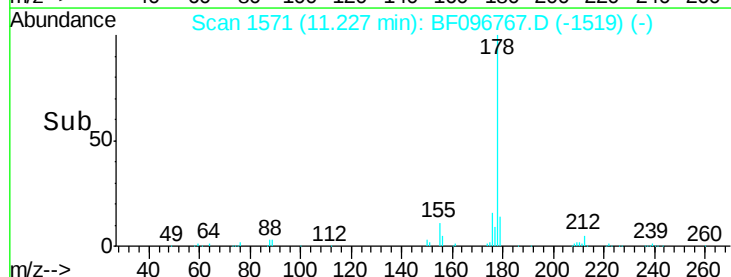
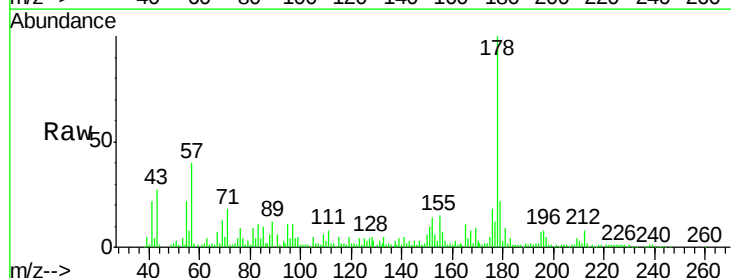
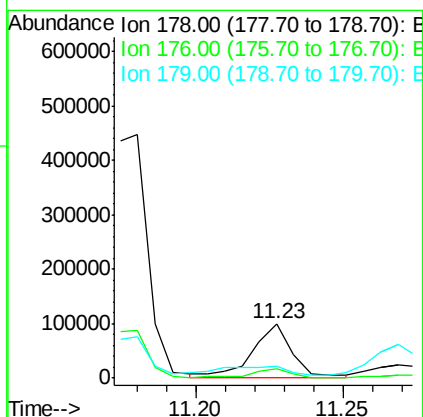
RT: 11.23 min Scan# 1571

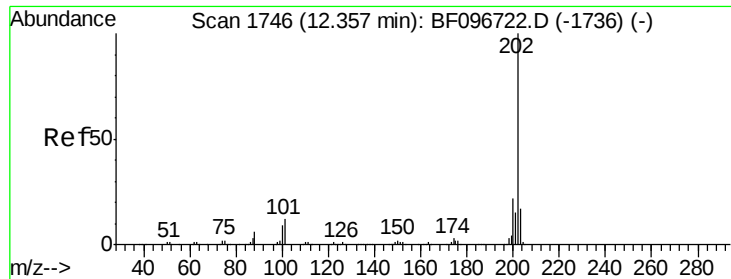
Delta R.T. 0.01 min

Lab File: BF096767.D

Acq: 14 Jul 2017 11:18

Tgt Ion:	178	Resp:	95764
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.8	23.8
179	21.7	12.7	19.1#





#74

Fluoranthene

Concen: 4.342 ng

RT: 12.36 min Scan# 1763

Delta R.T. -0.00 min

Lab File: BF096767.D

Acq: 14 Jul 2017 11:18

Instrument :

BNA_F

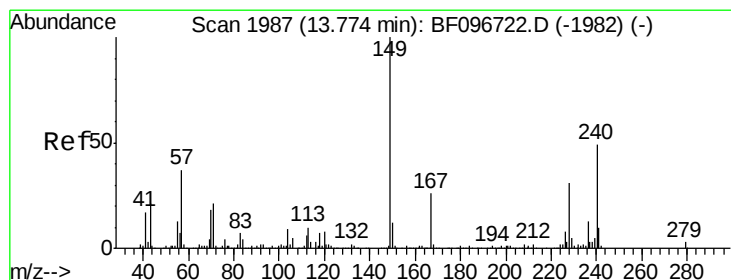
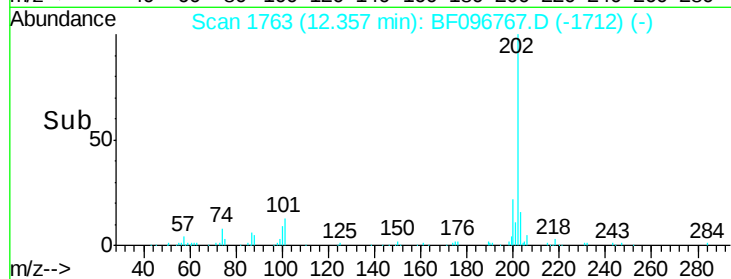
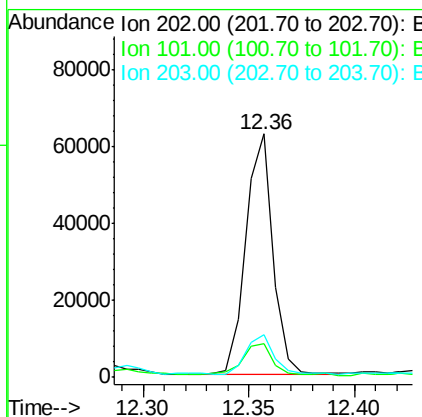
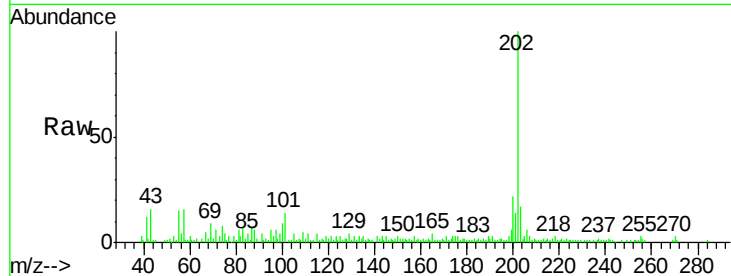
ClientSampleId :

E2-P6-NSWDL

Tgt	Ion	202	Resp:	56221
Ion	Ratio	Lower	Upper	
202	100			
101	13.7	0.0	33.2	
203	17.3	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

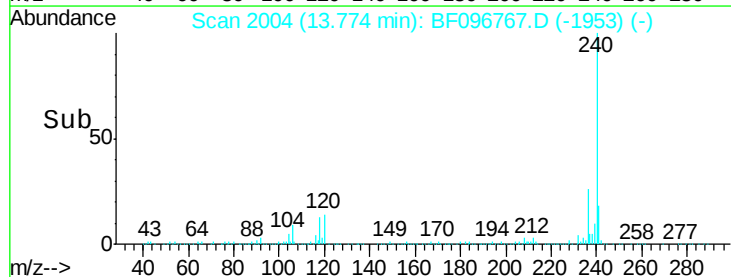
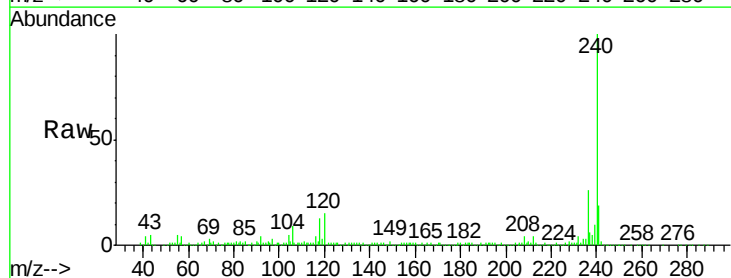
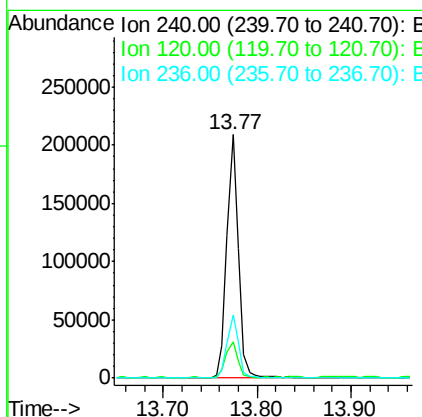
RT: 13.77 min Scan# 2004

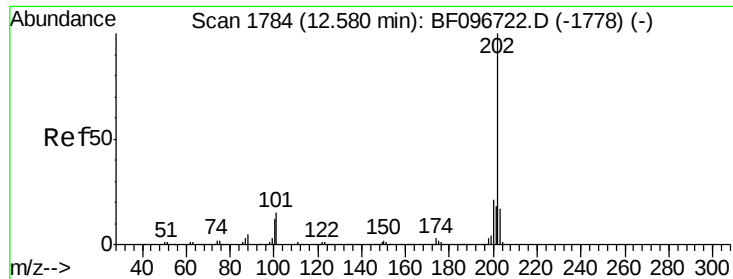
Delta R.T. -0.00 min

Lab File: BF096767.D

Acq: 14 Jul 2017 11:18

Tgt	Ion	240	Resp:	181311
Ion	Ratio	Lower	Upper	
240	100			
120	14.7	5.8	8.8#	
236	25.7	20.5	30.7	





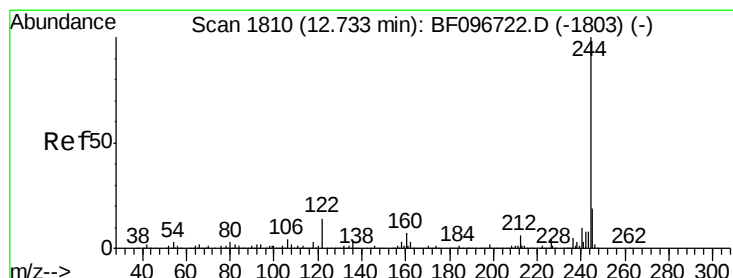
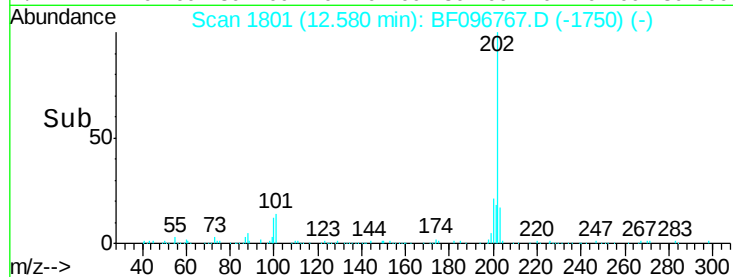
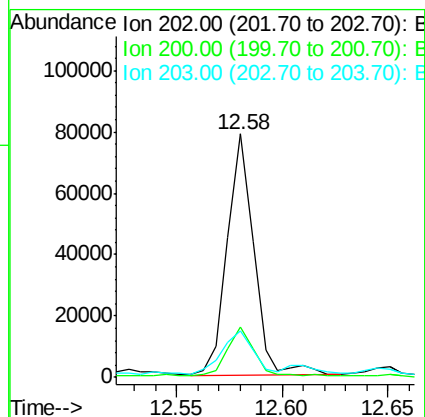
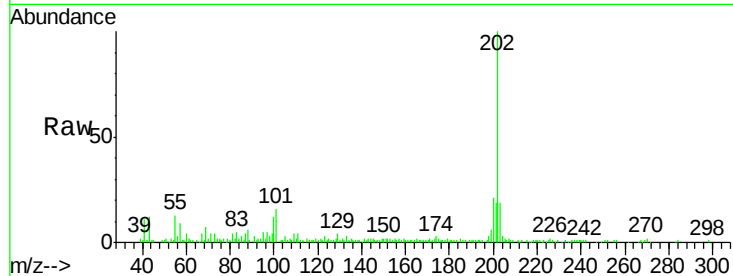
#77
 Pyrene
 Concen: 4.193 ng
 RT: 12.58 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: BF096767.D
 Acq: 14 Jul 2017 11:18

Instrument :
 BNA_F
 ClientSampleId :
 E2-P6-NSWDL

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	19.0	14.4	21.6

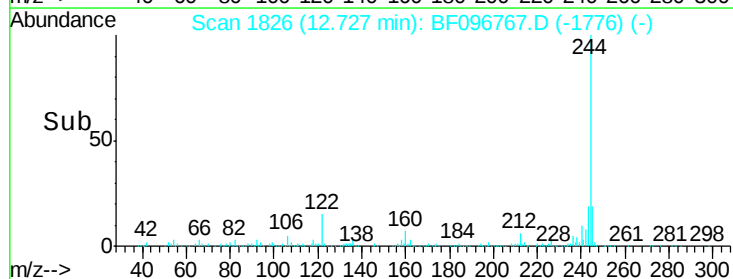
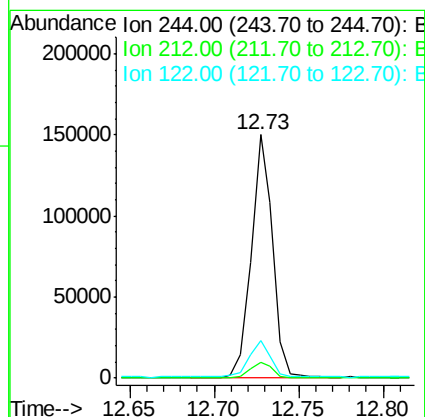
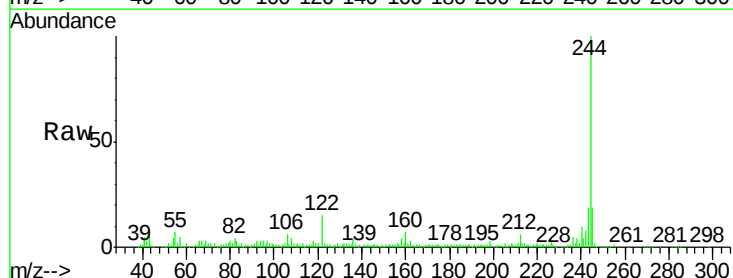
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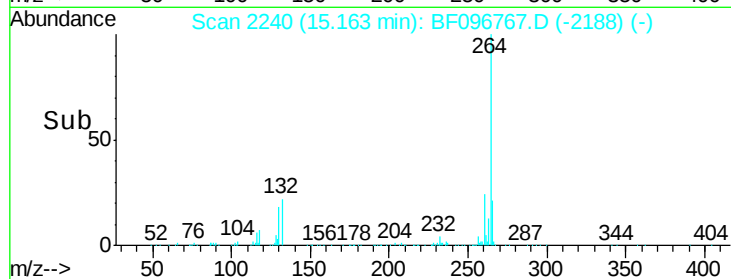
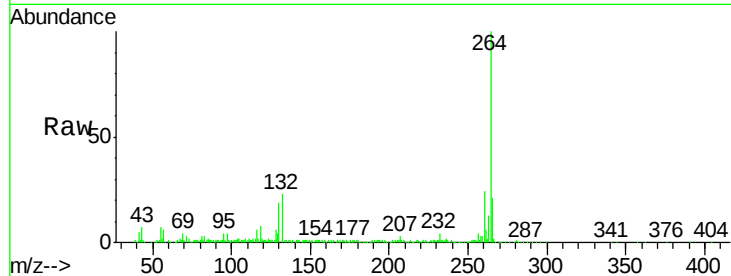
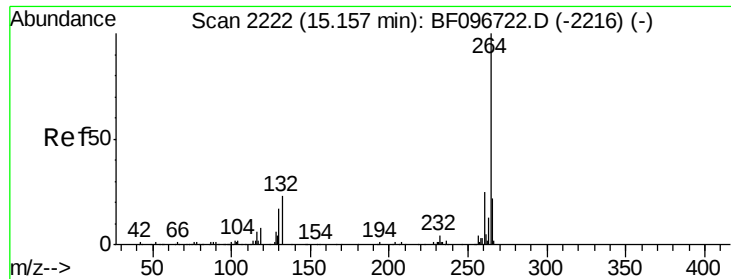
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#78
 Terphenyl-d14
 Concen: 12.746 ng
 RT: 12.73 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF096767.D
 Acq: 14 Jul 2017 11:18

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	6.0	9.0
122	15.5	10.3	15.5#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.16 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF096767.D
Acq: 14 Jul 2017 11:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.0	19.5	29.3
265	21.0	17.2	25.8

Instrument :
BNA_F
ClientSampleId :
E2-P6-NSWDL

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