

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\
 Data File : BF086880.D
 Acq On : 11 May 2016 4:43
 Operator : UM/SJ
 Sample : H2768-08DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SA(1)8DL

Manual Integrations
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Quant Time: May 11 15:14:10 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	138269	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	485888	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	194805	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	295572	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	266872	20.00	ng	-0.01
86) Perylene-d12	15.20	264	229726	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	163100	19.98	ng	-0.01
7) Phenol-d6	6.34	99	222612	20.40	ng	-0.02
23) Nitrobenzene-d5	7.25	82	161185	16.66	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	29881	14.49	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	231791	20.00	ng	-0.01
78) Terphenyl-d14	12.77	244	163032	12.96	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.00	128	222848m	9.16	ng	98
37) 2-Methylnaphthalene	8.69	142	544551	38.27	ng	98
45) 1,1'-Biphenyl	9.15	154	103345	6.67	ng	98
51) Acenaphthene	9.76	154	39737	3.58	ng	# 90
57) Fluorene	10.27	166	76382	6.28	ng	# 86
70) Phenanthrene	11.22	178	201990	12.81	ng	# 95

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

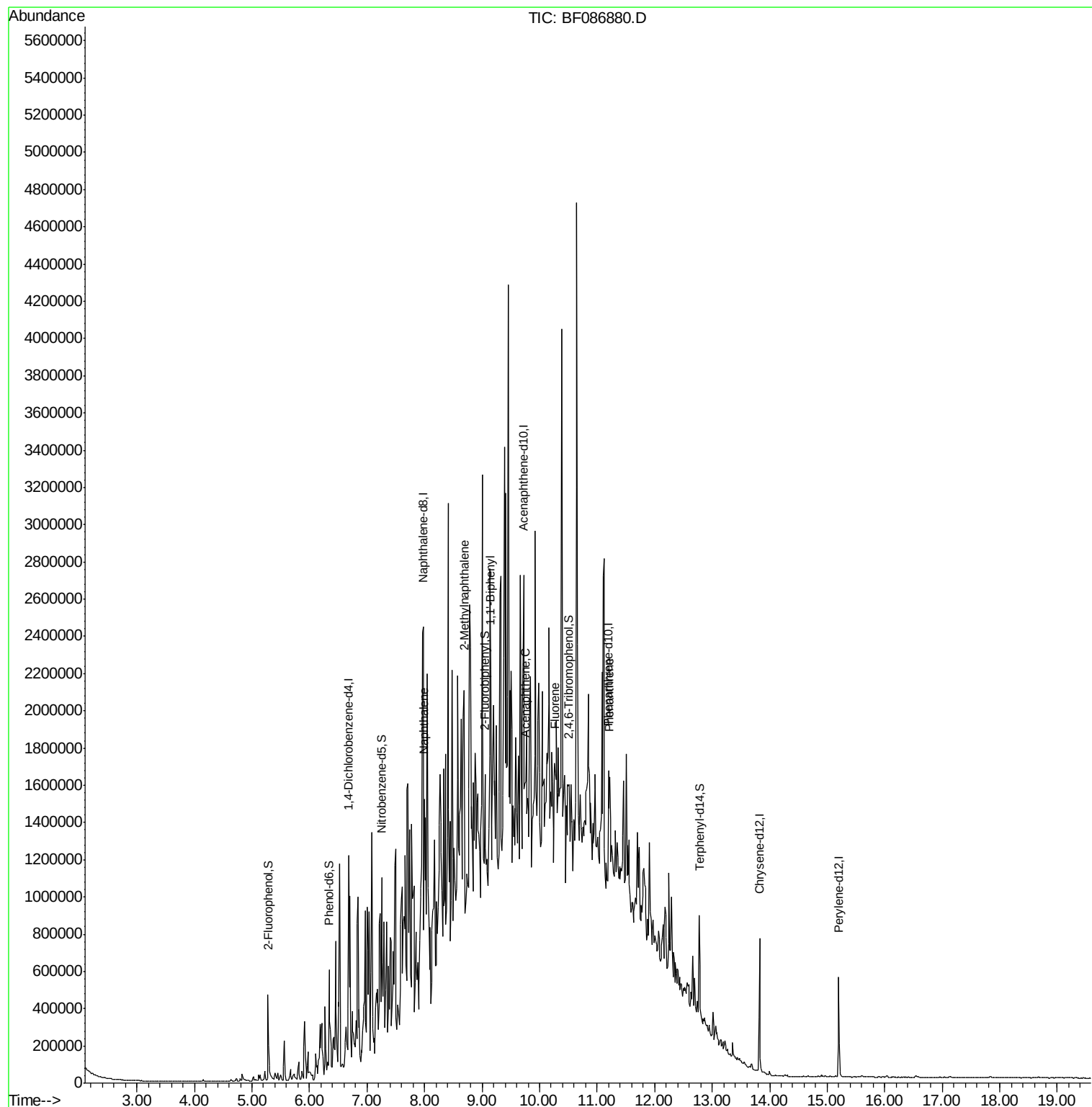
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\
Data File : BF086880.D
Acq On : 11 May 2016 4:43
Operator : UM/SJ
Sample : H2768-08DL 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

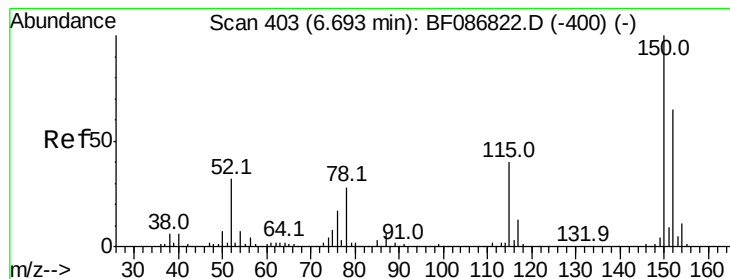
Instrument :
BNA_F
ClientSampleId :
SA(1)8DL

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Quant Time: May 11 15:14:10 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 09 16:04:56 2016
Response via : Initial Calibration





#1

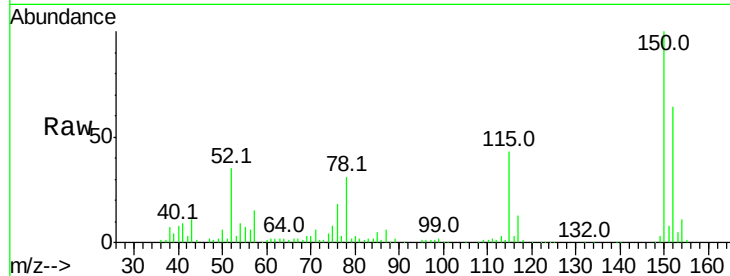
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.68 min Scan# 402
 Delta R.T. -0.01 min
 Lab File: BF086880.D
 Acq: 11 May 2016 4:43

Instrument :
 BNA_F
 ClientSampleId :
 SA(1)8DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	125.8	188.6
115	68.0	51.5	77.3

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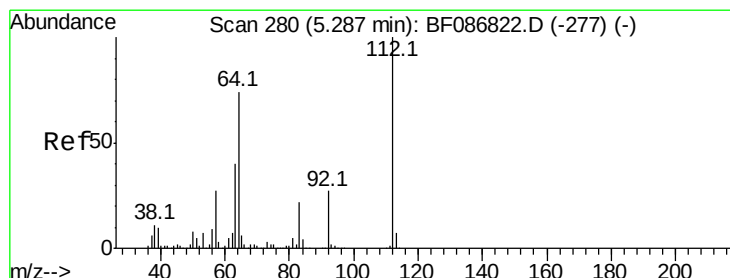
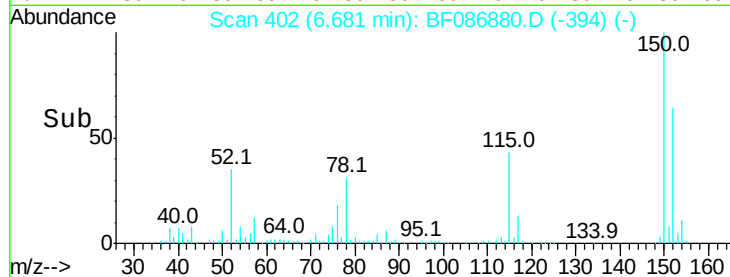
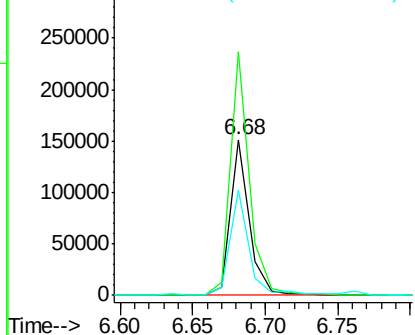


Abundance

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: 19.98 ng
 RT: 5.28 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: BF086880.D
 Acq: 11 May 2016 4:43

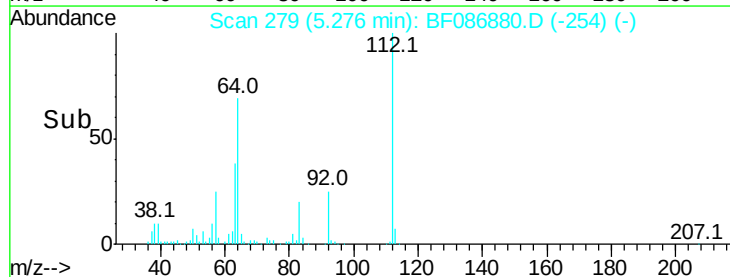
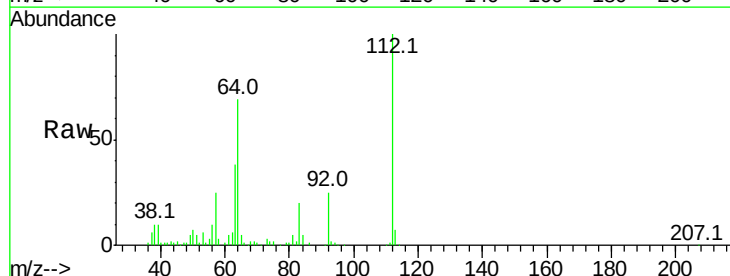
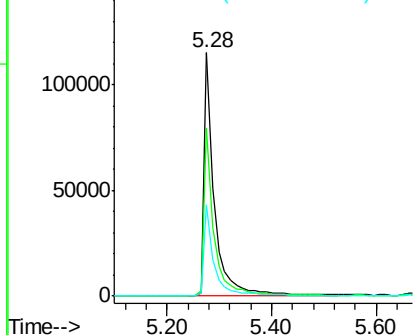
Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.0	52.1	78.1
63	37.7	25.7	38.5

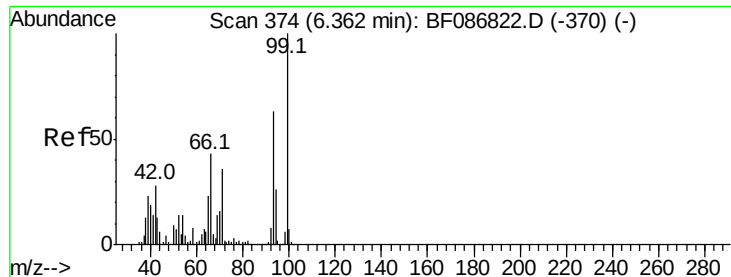
Abundance

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: 20.40 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.02 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

Instrument :

BNA_F

ClientSampleId :

SA(1)8DL

Tot Ion: 99 Resp: 222612

Ion Ratio Lower Upper

99 100

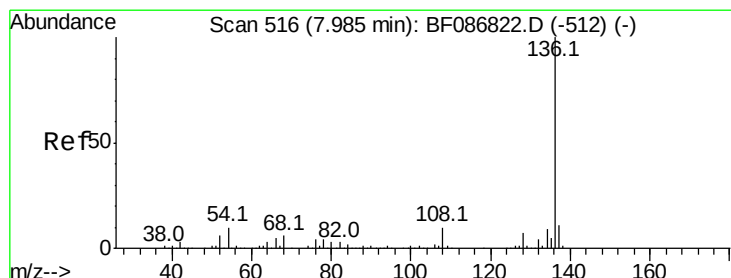
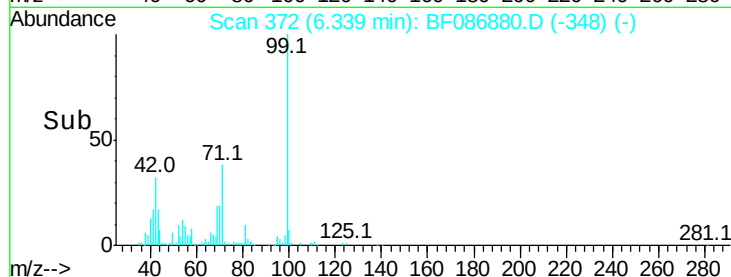
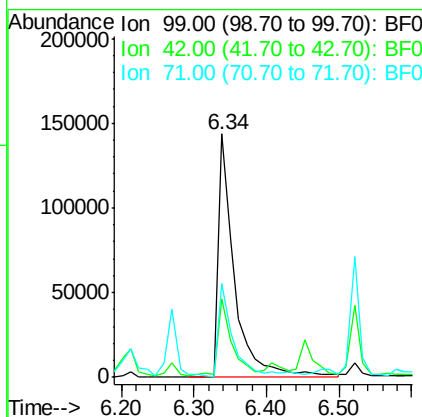
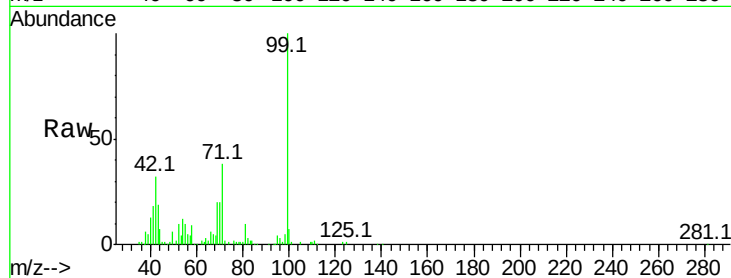
42 32.3 13.6 20.4#

71 38.5 24.6 36.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.97 min Scan# 515

Delta R.T. -0.01 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

Tgt Ion: 136 Resp: 485888

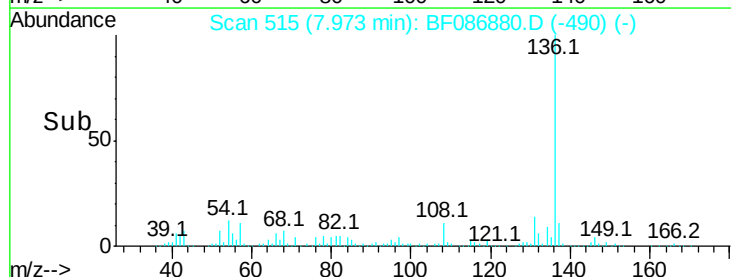
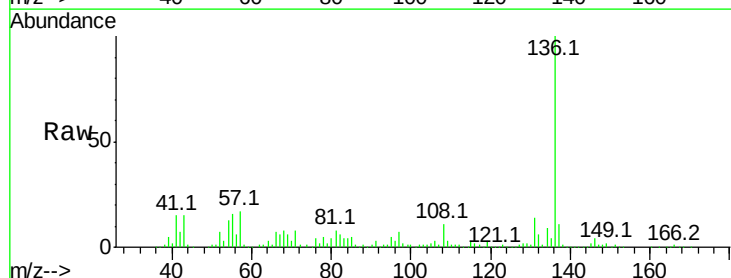
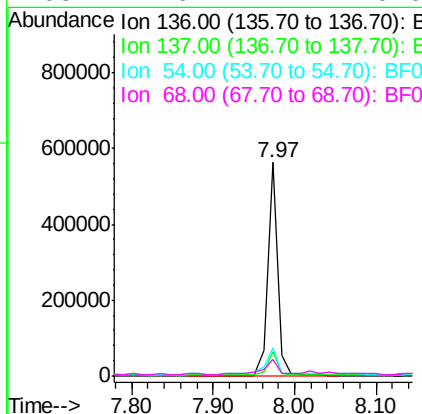
Ion Ratio Lower Upper

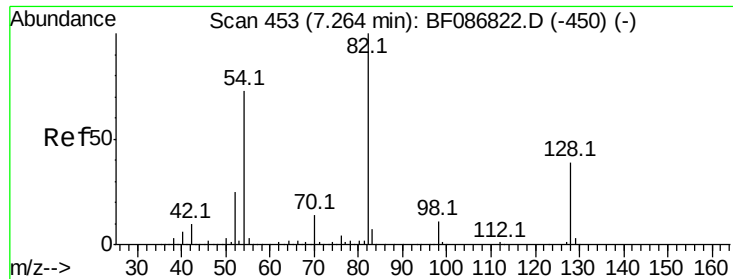
136 100

137 11.4 8.8 13.2

54 13.1 5.0 7.4#

68 7.6 4.4 6.6#





#23

Nitrobenzene-d5

Concen: 16.66 ng

RT: 7.25 min Scan# 452

Delta R.T. -0.01 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

Instrument :

BNA_F

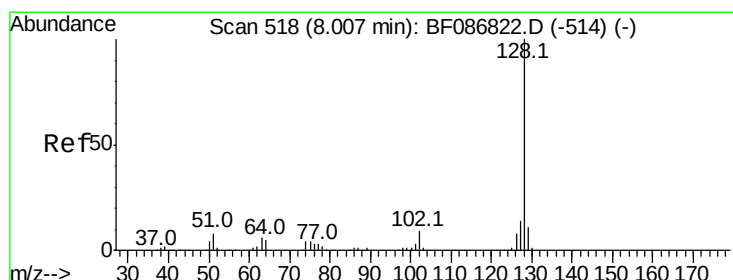
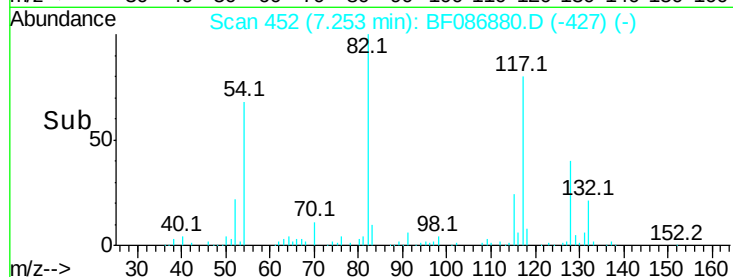
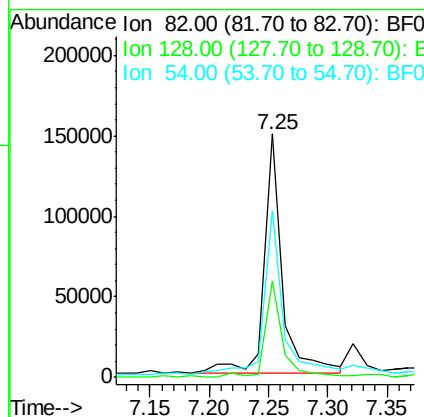
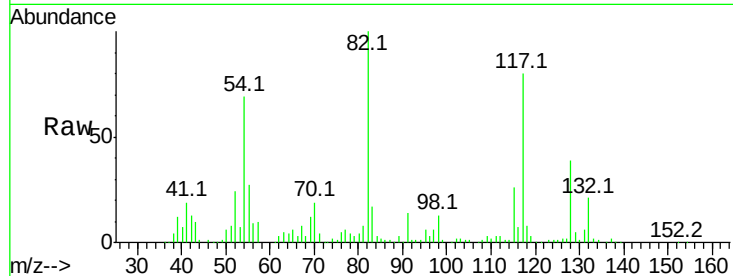
ClientSampleId :

SA(1)8DL

Tot Ion	82	Resp	161185
Ion Ratio	Lower	Upper	
82	100		
128	39.5	40.6	61.0#
54	68.6	38.1	57.1#

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#31

Naphthalene

Concen: 9.16 ng m

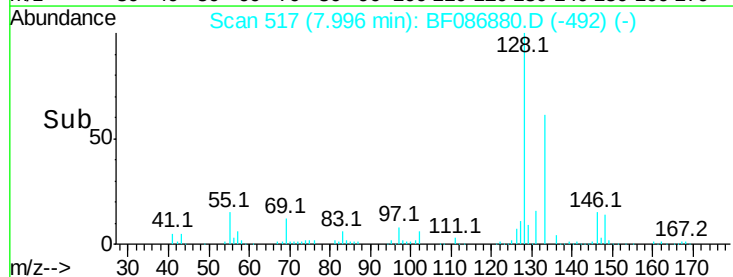
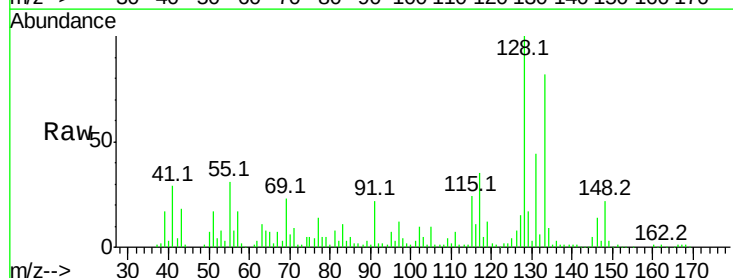
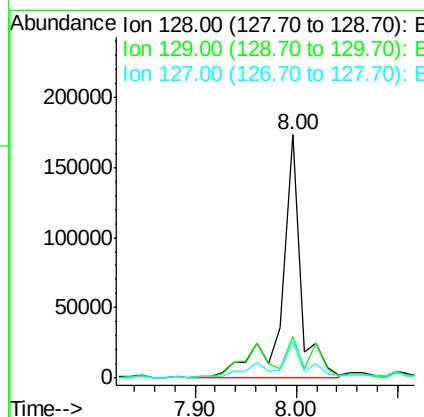
RT: 8.00 min Scan# 517

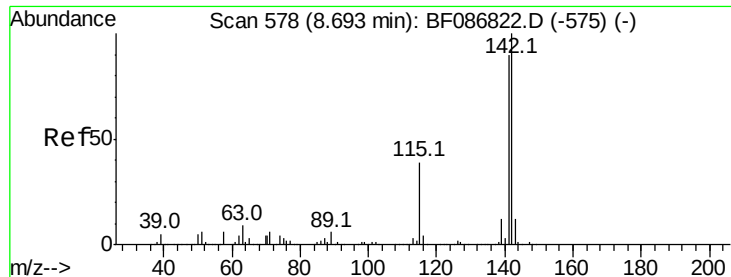
Delta R.T. -0.01 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

Tgt Ion	128	Resp	222848
Ion Ratio	Lower	Upper	
128	100		
129	17.0	8.6	13.0#
127	14.9	10.8	16.2





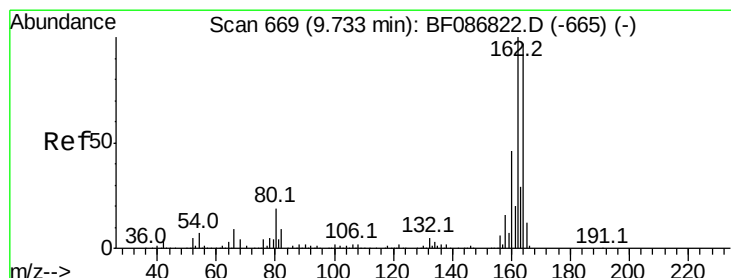
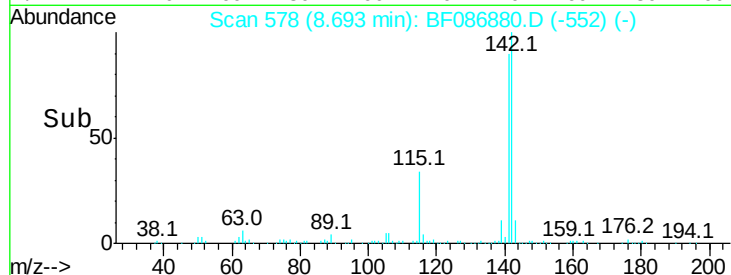
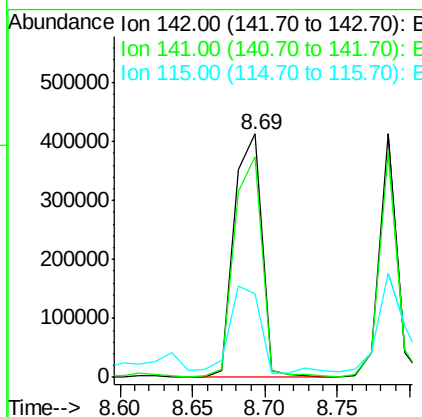
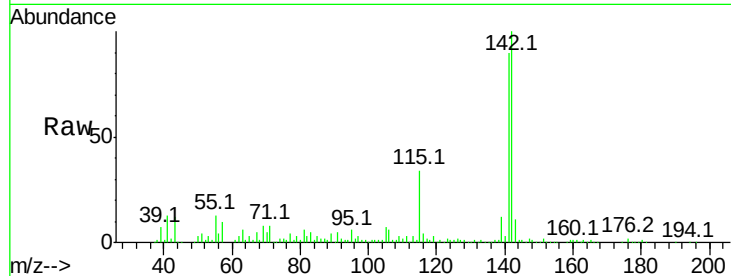
#37
 2-Methylnaphthalene
 Concen: 38.27 ng
 RT: 8.69 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: BF086880.D
 Acq: 11 May 2016 4:43

Instrument :
 BNA_F
 ClientSampleId :
 SA(1)8DL

Tot Ion	Ratio	Resp	Lower	Upper
142	100	544551		
141	90.5	71.0	106.6	
115	34.1	26.6	39.8	

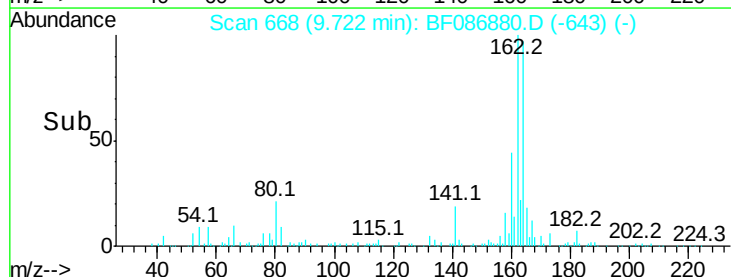
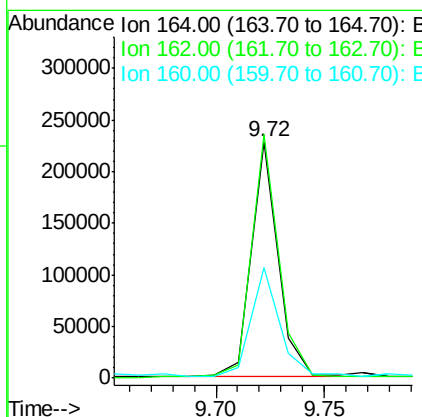
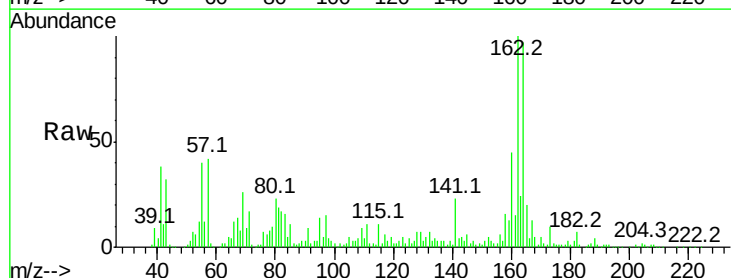
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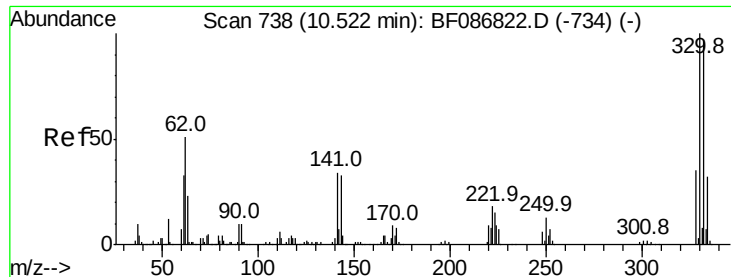
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.72 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: BF086880.D
 Acq: 11 May 2016 4:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	194805		
162	102.9	82.8	124.2	
160	46.5	36.9	55.3	





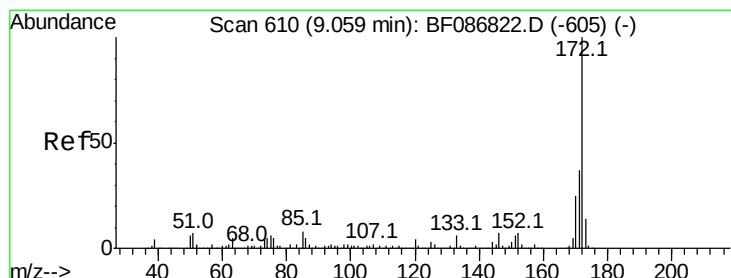
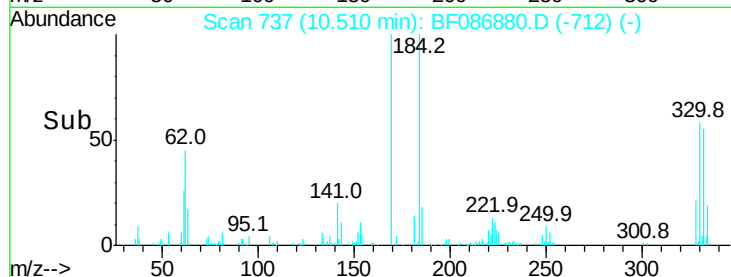
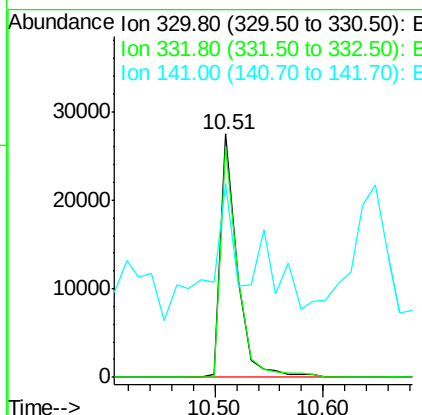
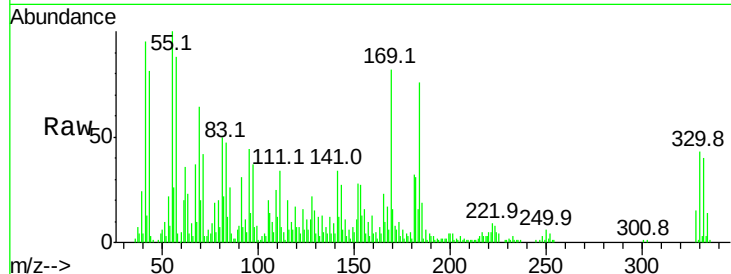
#41
 2,4,6-Tribromophenol
 Concen: 14.49 ng
 RT: 10.51 min Scan# 737
 Delta R.T. -0.01 min
 Lab File: BF086880.D
 Acq: 11 May 2016 4:43

Instrument :
 BNA_F
 ClientSampled :
 SA(1)8DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	79.0	118.4	
141	91.8	31.2	46.8	

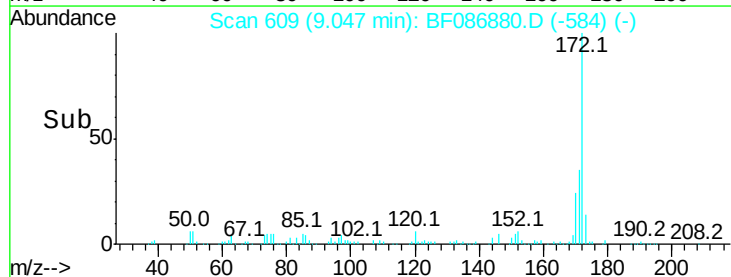
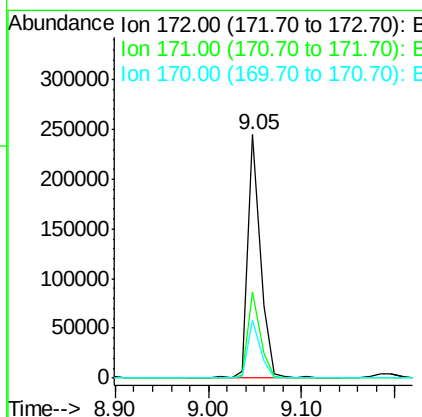
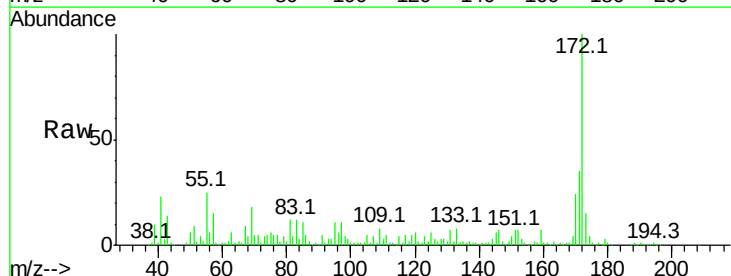
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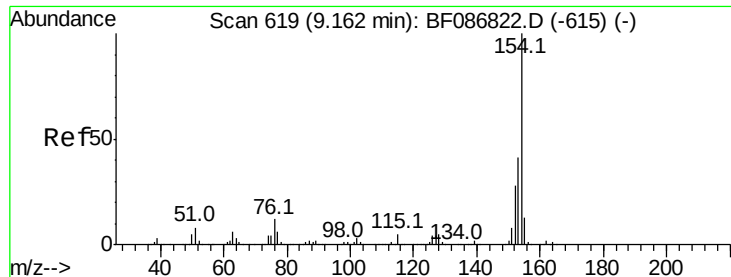
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#44
 2-Fluorobiphenyl
 Concen: 20.00 ng
 RT: 9.05 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF086880.D
 Acq: 11 May 2016 4:43

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.4	29.0	43.6	
170	23.6	19.8	29.8	





#45

1,1'-Biphenyl

Concen: 6.67 ng

RT: 9.15 min Scan# 618

Delta R.T. -0.01 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

Instrument :

BNA_F

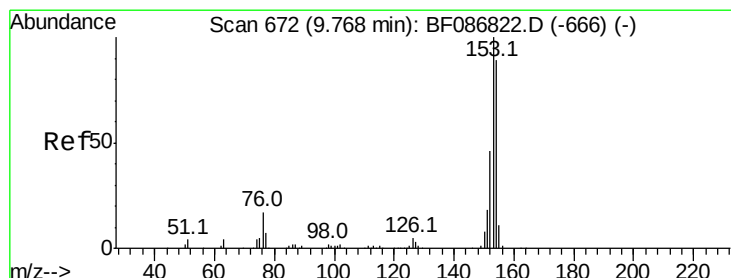
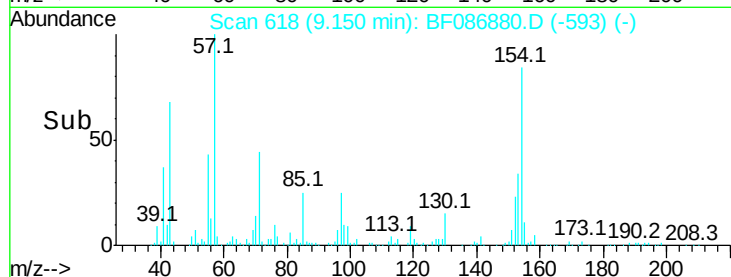
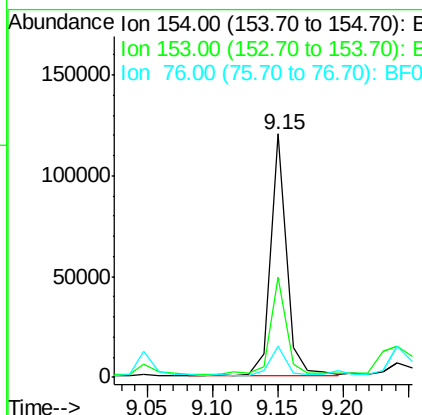
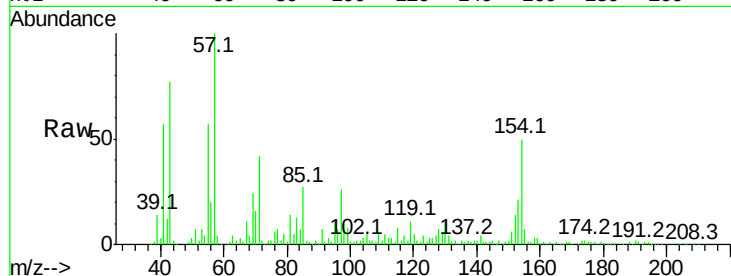
ClientSampled :

SA(1)8DL

Tot Ion:	154	Resp:	103345
Ion Ratio	Lower	Upper	
154	100		
153	41.1	20.3	60.3
76	12.7	0.0	30.2

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#51

Acenaphthene

Concen: 3.58 ng

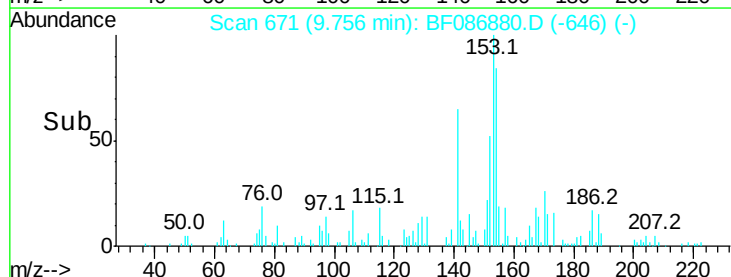
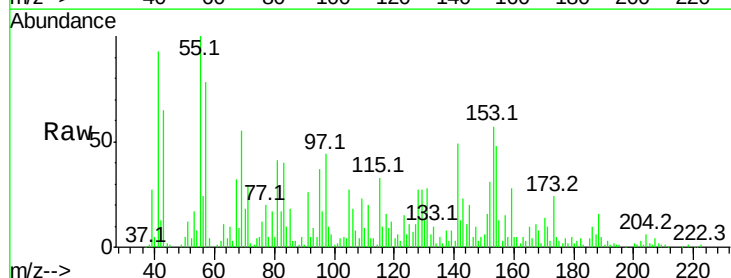
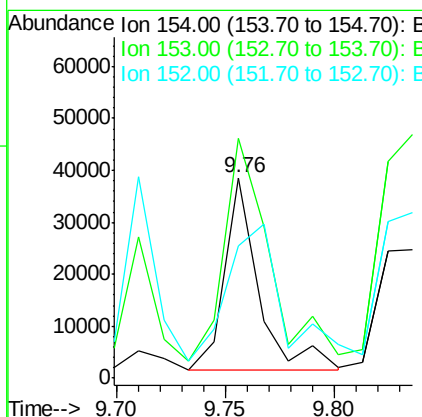
RT: 9.76 min Scan# 671

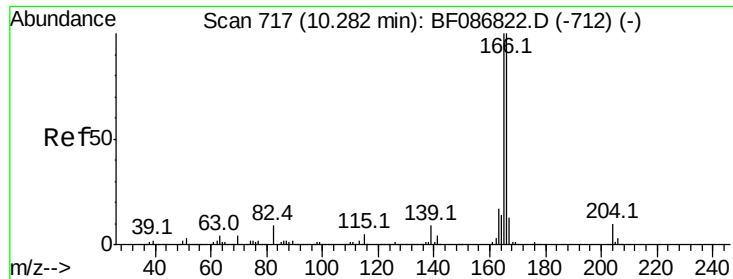
Delta R.T. -0.01 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

Tgt Ion:	154	Resp:	39737
Ion Ratio	Lower	Upper	
154	100		
153	119.9	89.8	134.6
152	66.1	43.4	65.0#





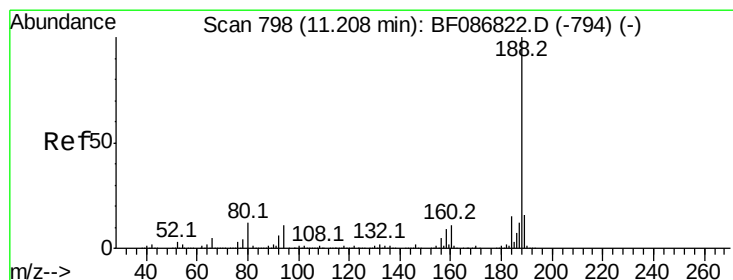
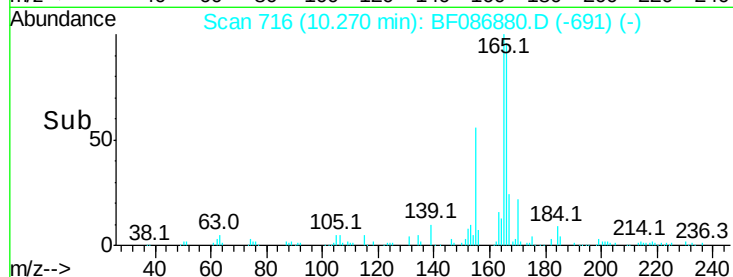
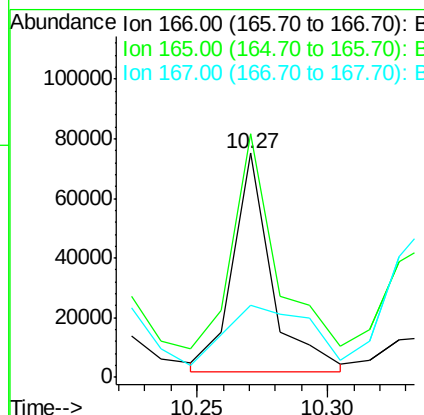
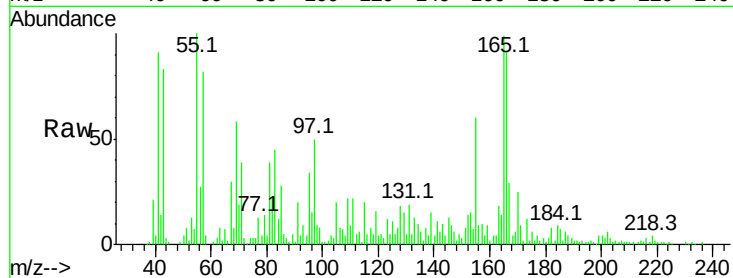
#57
 Fluorene
 Concen: 6.28 ng
 RT: 10.27 min Scan# 716
 Delta R.T. -0.01 min
 Lab File: BF086880.D
 Acq: 11 May 2016 4:43

Instrument :
 BNA_F
 ClientSampled :
 SA(1)8DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	108.7	79.0	118.6
167	32.2	10.6	15.8#

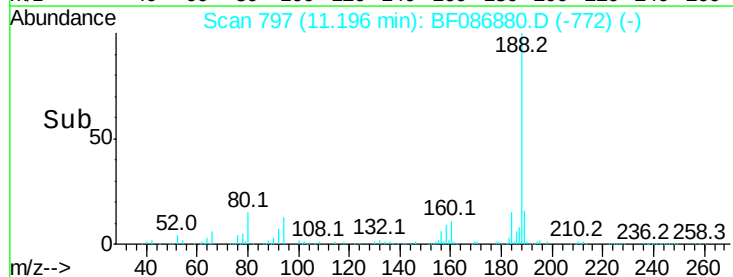
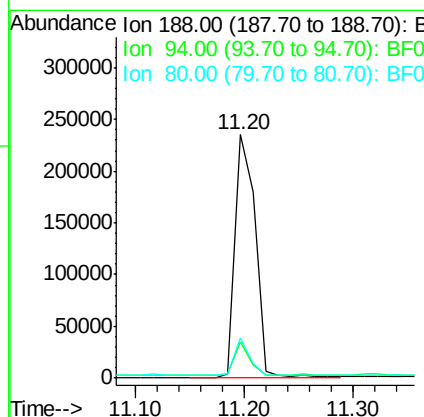
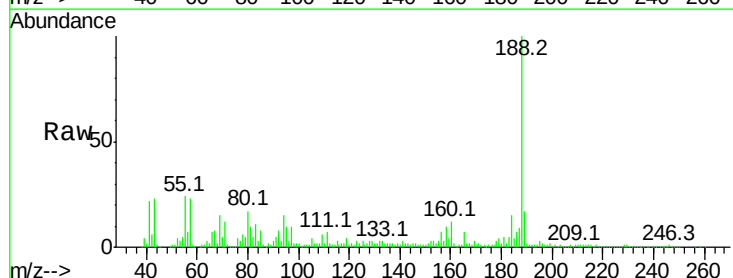
Manual Integrations
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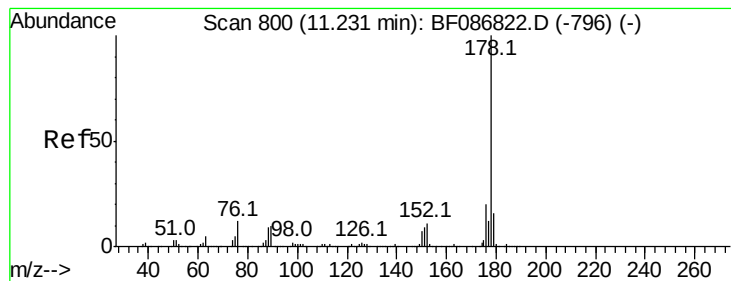
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 797
 Delta R.T. -0.01 min
 Lab File: BF086880.D
 Acq: 11 May 2016 4:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	14.7	6.8	10.2#
80	16.6	7.1	10.7#





#70

Phenanthrene

Concen: 12.81 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

Instrument :

BNA_F

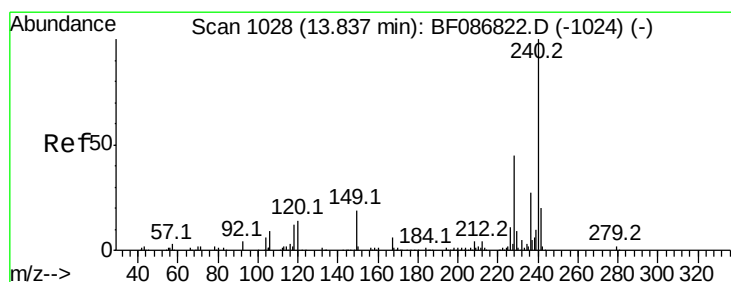
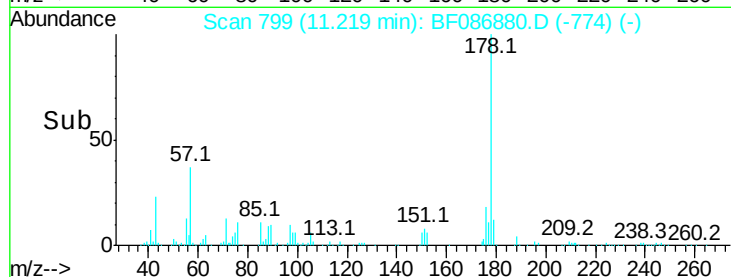
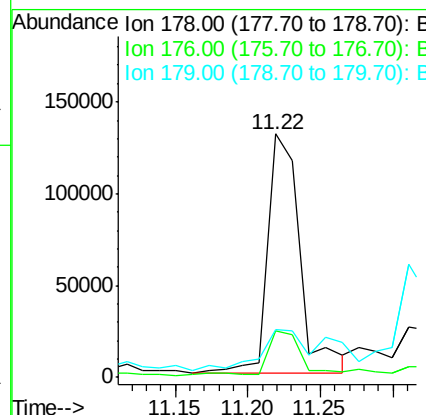
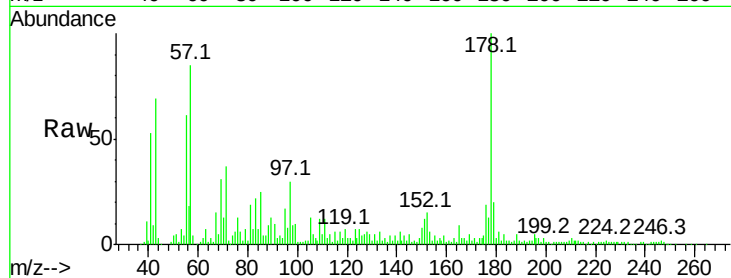
ClientSampleId :

SA(1)8DL

Tot Ion:	178	Resp:	201990
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.0	24.0
179	19.7	12.6	18.8#

Manual Integrations
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5/11/2016 8:17:59 PM



#75

Chrysene-d12

Concen: 20.00 ng

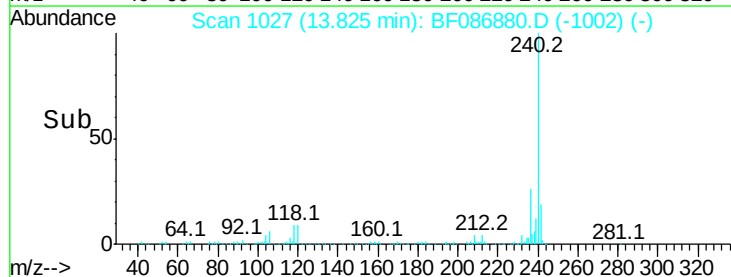
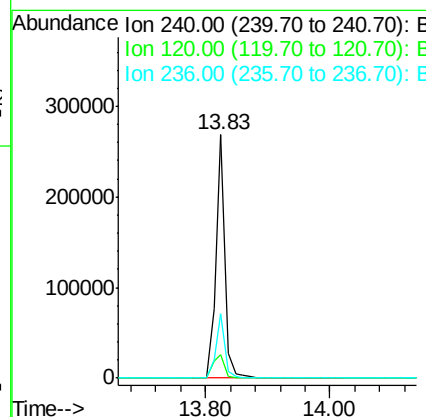
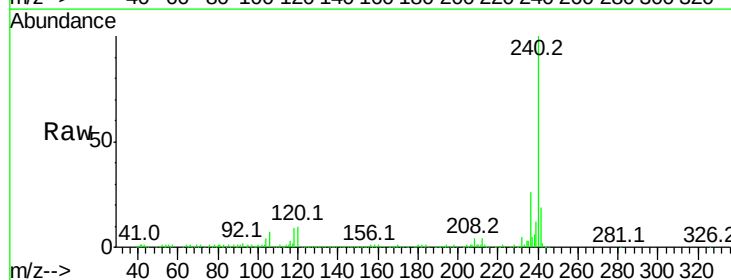
RT: 13.83 min Scan# 1027

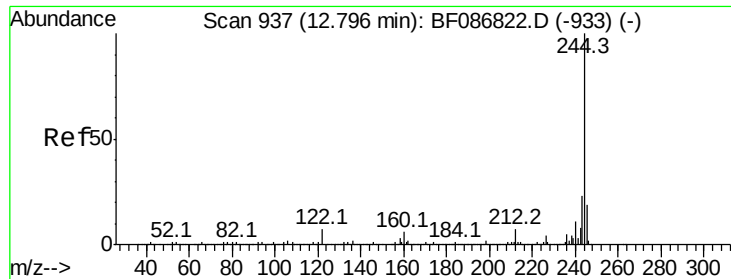
Delta R.T. -0.01 min

Lab File: BF086880.D

Acq: 11 May 2016 4:43

Tgt Ion:	240	Resp:	266872
Ion Ratio	Lower	Upper	
240	100		
120	9.5	11.2	16.8#
236	26.4	21.2	31.8





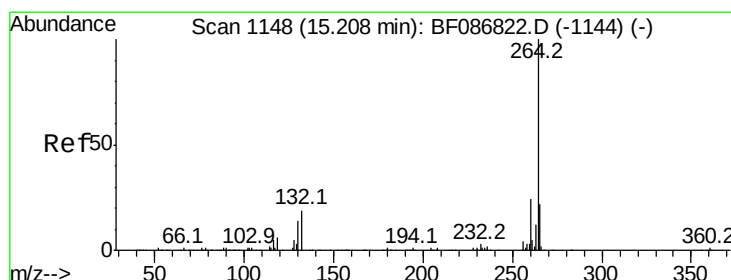
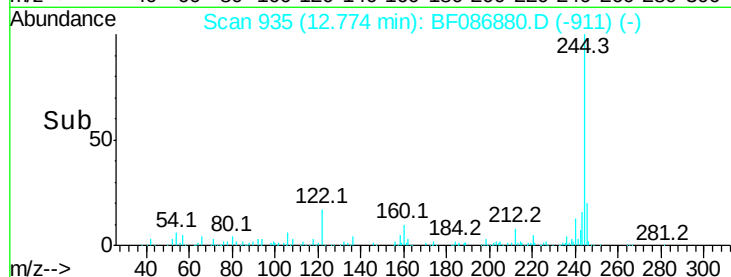
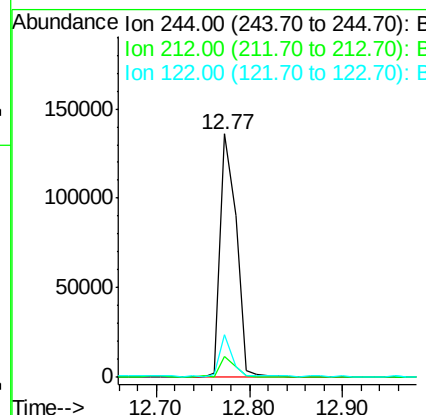
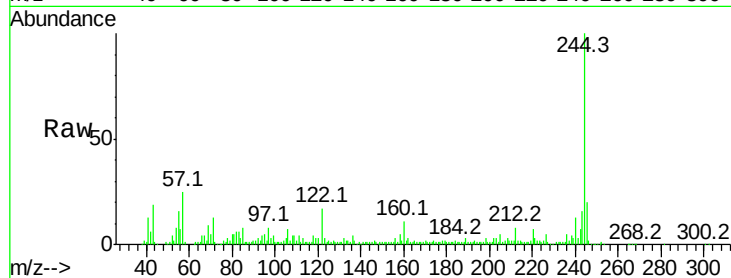
#78
 Terphenyl-d14
 Concen: 12.96 ng
 RT: 12.77 min Scan# 935
 Delta R.T. -0.02 min
 Lab File: BF086880.D
 Acq: 11 May 2016 4:43

Instrument :
 BNA_F
 ClientSampleId :
 SA(1)8DL

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	8.5	6.2	9.2	
122	17.4	12.0	18.0	

Manual Integrations
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.20 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: BF086880.D
 Acq: 11 May 2016 4:43

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.6	19.5	29.3	
265	20.8	17.3	25.9	

