

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053116\
 Data File : BF087604.D
 Acq On : 1 Jun 2016 4:19
 Operator : UM/SJ
 Sample : H3303-03DL 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B3-12DL

Manual Integrations
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Quant Time: Jun 01 13:14:11 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 01 03:17:16 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	10900	20.00	ng	0.03
21) Naphthalene-d8	9.50	136	44013	20.00	ng	0.02
38) Acenaphthene-d10	12.33	164	30382	20.00	ng	0.02
63) Phenanthrene-d10	14.73	188	40751	20.00	ng	0.02
75) Chrysene-d12	18.46	240	33274	20.00	ng	0.03
86) Perylene-d12	20.16	264	23733	20.00	ng	0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	46973m	75.72	ng	0.15
7) Phenol-d6	7.10	99	61709	73.62	ng	0.08
23) Nitrobenzene-d5	8.47	82	115447m	132.20	ng	0.09
41) 2,4,6-Tribromophenol	13.65	330	12587	43.11	ng	0.03
44) 2-Fluorobiphenyl	11.27	172	108141	50.18	ng	0.01
78) Terphenyl-d14	17.06	244	108986	69.64	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	9.52	128	622447	282.23	ng	98
37) 2-Methylnaphthalene	10.66	142	1905078	1382.70	ng	# 95
45) 1,1'-Biphenyl	11.42	154	210348	82.23	ng	95
51) Acenaphthene	12.38	154	100259	52.65	ng	92
54) Dibenzofuran	12.67	168	148822	57.72	ng	# 64
57) Fluorene	13.22	166	191947	85.85	ng	# 86
70) Phenanthrene	14.77	178	550104	243.71	ng	98
74) Fluoranthene	16.56	202	15844	7.00	ng	75
77) Pyrene	16.86	202	32218	13.45	ng	# 92

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

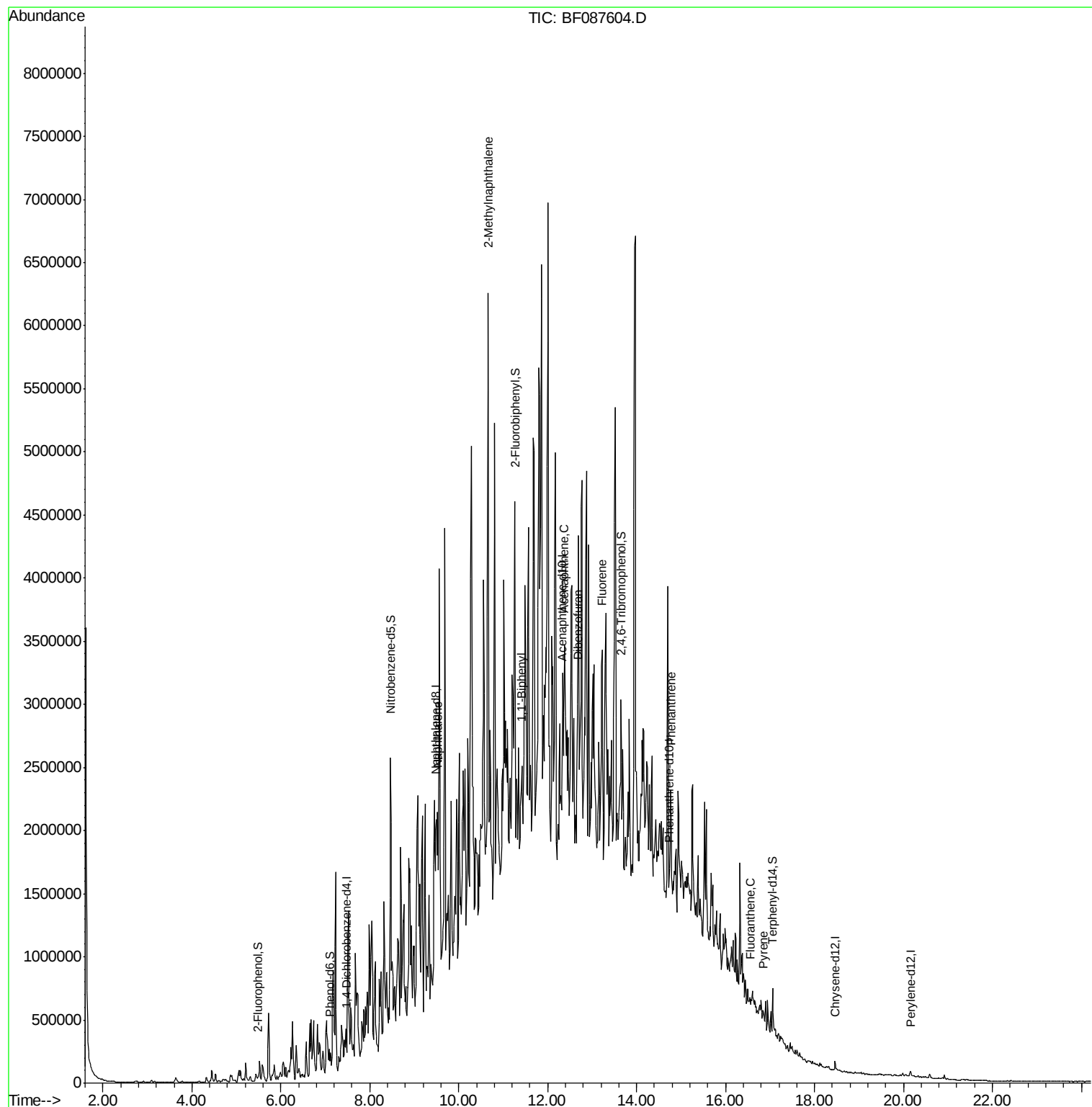
Data Path : Z:\HPCHEM1\BNA F\DATA\BF053116\
Data File : BF087604.D
Acq On : 1 Jun 2016 4:19
Operator : UM/SJ
Sample : H3303-03DL 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

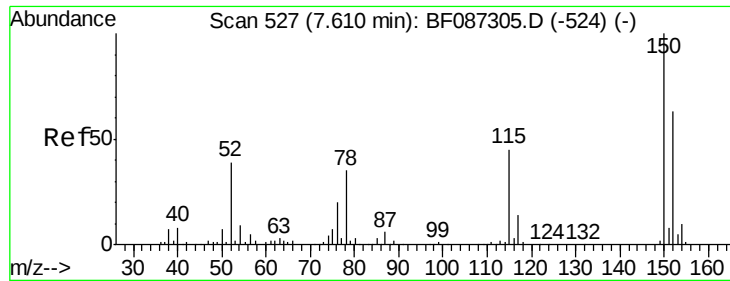
Instrument :
BNA_F
ClientSampleId :
B3-12DL

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Quant Time: Jun 01 13:14:11 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 01 03:17:16 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.48 min Scan# 516

Delta R.T. 0.03 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

Instrument :

BNA_F

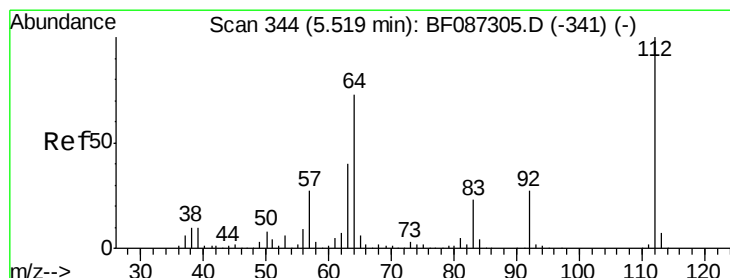
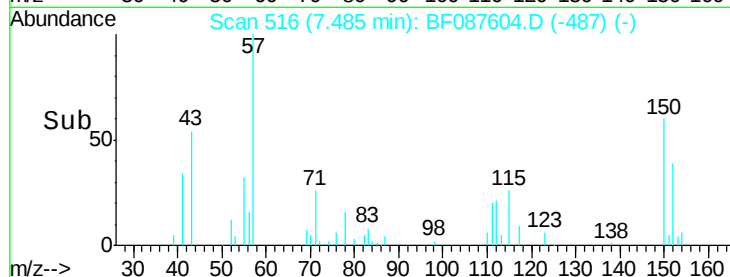
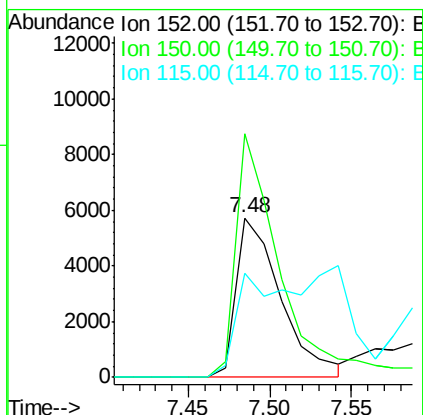
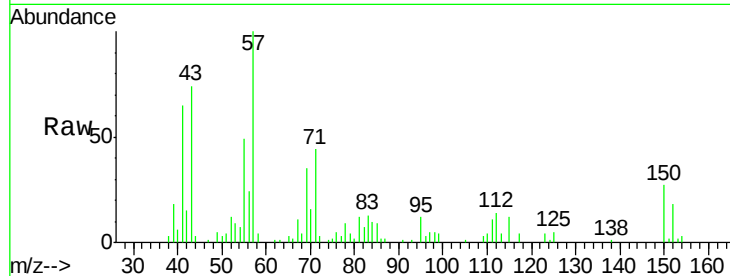
ClientSampleId :

B3-12DL

Tot Ion:	152	Resp:	10900
Ion Ratio	Lower	Upper	
152	100		
150	152.9	125.8	188.6
115	65.4	51.5	77.3

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#5

2-Fluorophenol

Concen: 75.72 ng m

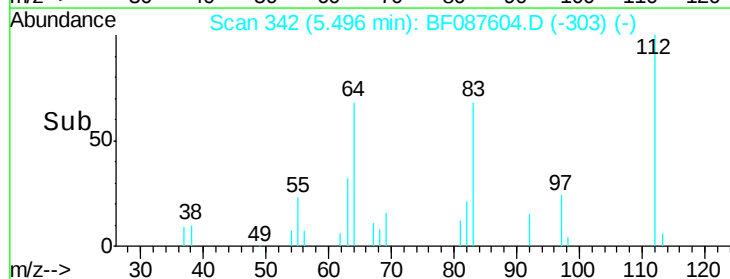
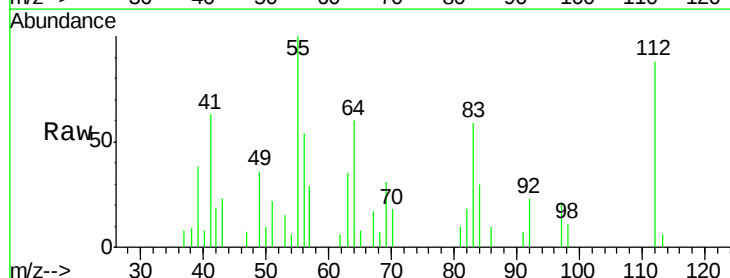
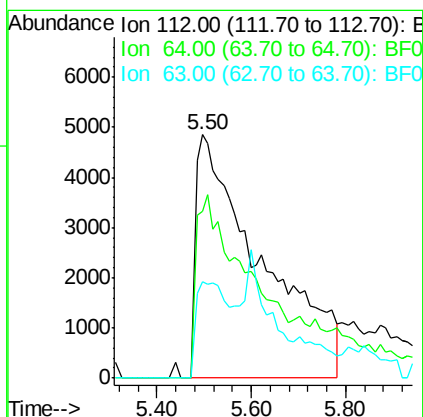
RT: 5.50 min Scan# 342

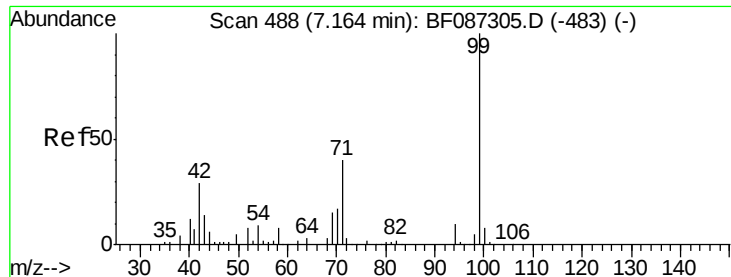
Delta R.T. 0.15 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

Tgt Ion:	112	Resp:	46973
Ion Ratio	Lower	Upper	
112	100		
64	68.5	52.1	78.1
63	39.8	25.7	38.5





#7

Phenol-d6

Concen: 73.62 ng

RT: 7.10 min Scan# 482

Delta R.T. 0.08 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

Instrument :

BNA_F

ClientSampled :

B3-12DL

Tot Ion: 99 Resp: 61709

Ion Ratio Lower Upper

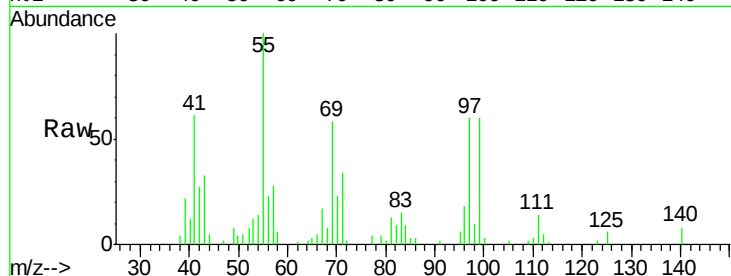
99 100

42 45.9 13.6 20.4#

71 57.0 24.6 36.8#

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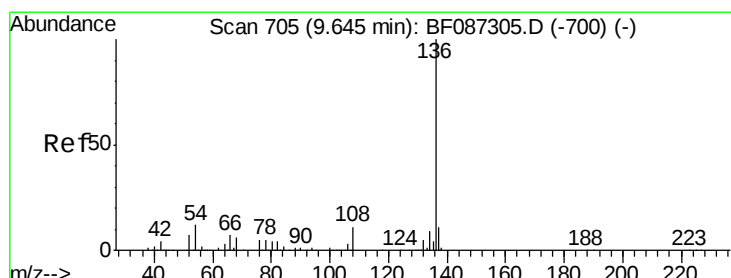
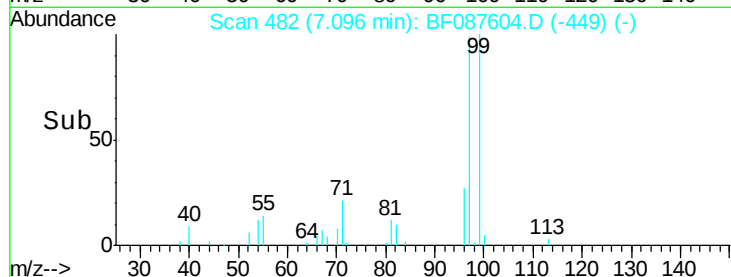
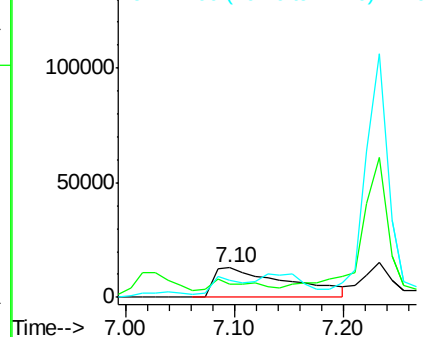
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.50 min Scan# 692

Delta R.T. 0.02 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

Tgt Ion: 136 Resp: 44013

Ion Ratio Lower Upper

136 100

137 19.1 8.8 13.2#

54 42.7 5.0 7.4#

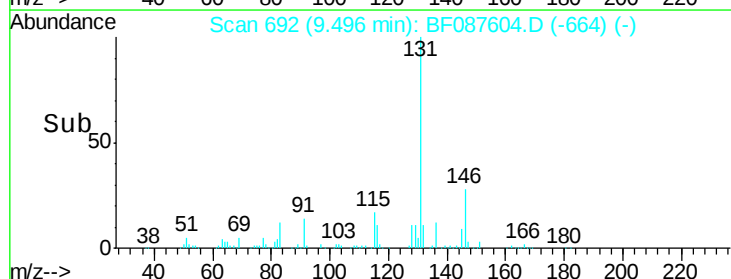
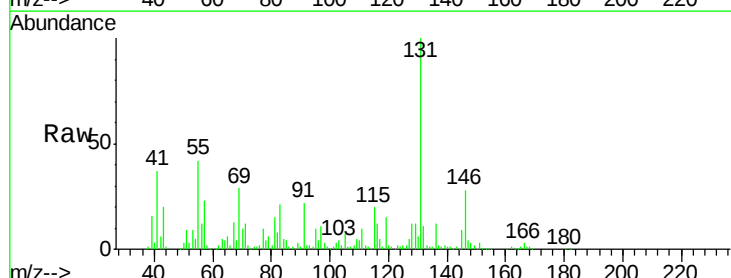
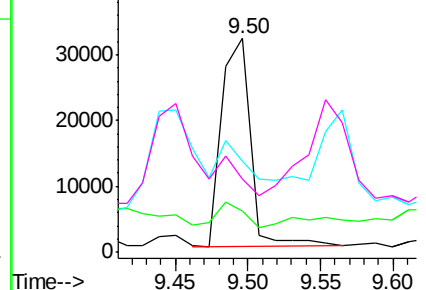
68 34.4 4.4 6.6#

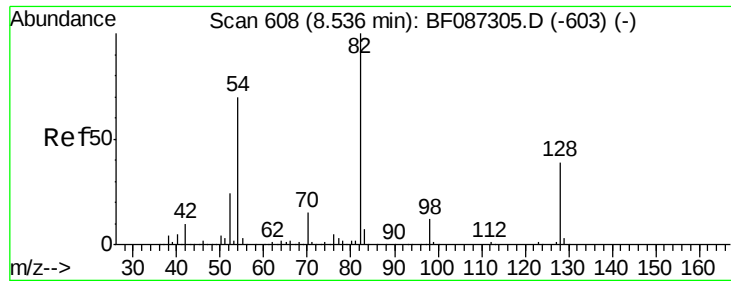
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





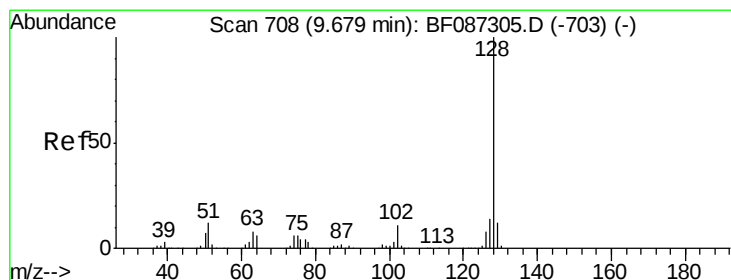
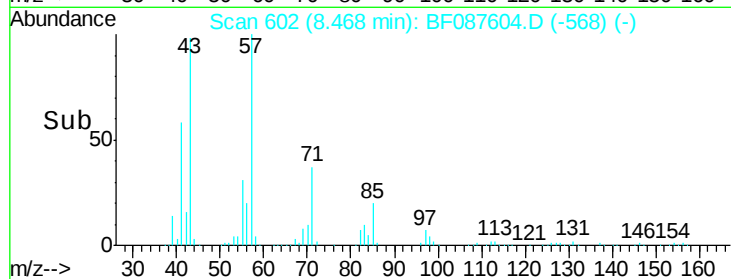
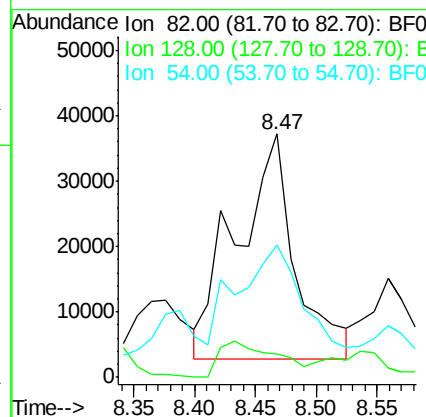
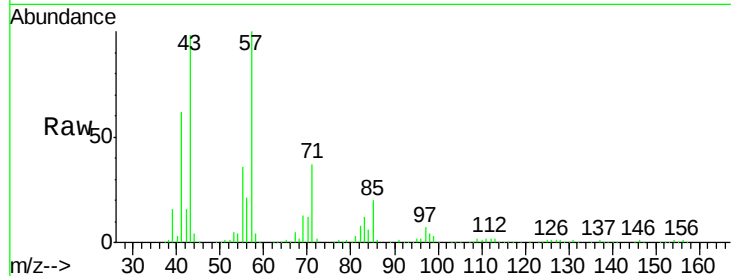
#23
Nitrobenzene-d5
Concen: 132.20 ng/ml
RT: 8.47 min Scan# 602
Delta R.T. 0.09 min
Lab File: BF087604.D
Acq: 1 Jun 2016 4:19

Instrument :
BNA_F
ClientSampled :
B3-12DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100	115447		
128	9.8	40.6	61.0	
54	54.4	38.1	57.1	

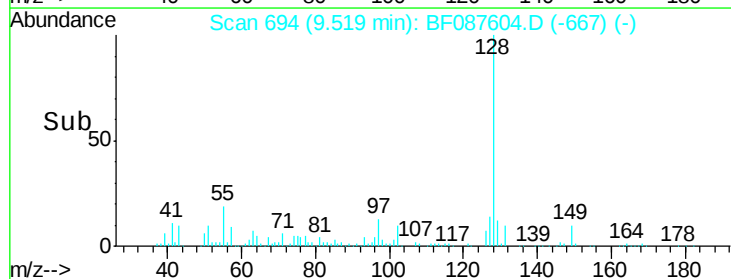
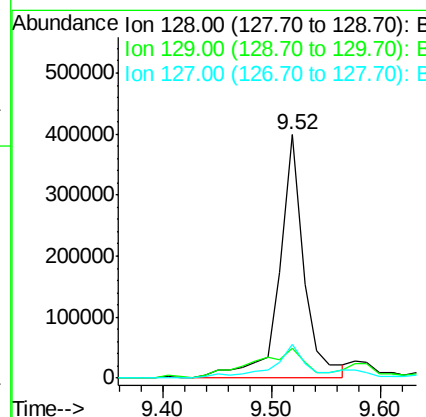
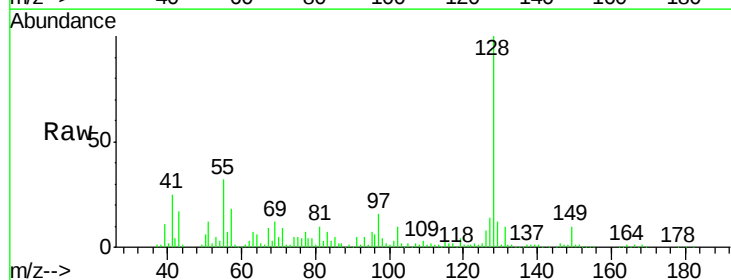
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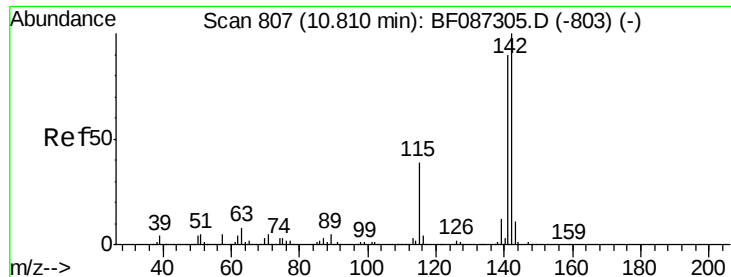
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#31
Naphthalene
Concen: 282.23 ng
RT: 9.52 min Scan# 694
Delta R.T. 0.01 min
Lab File: BF087604.D
Acq: 1 Jun 2016 4:19

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	622447		
129	12.2	8.6	13.0	
127	13.9	10.8	16.2	





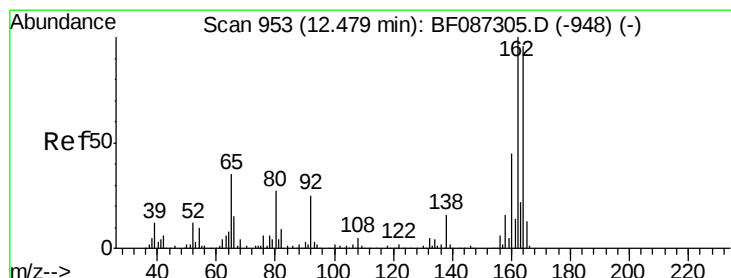
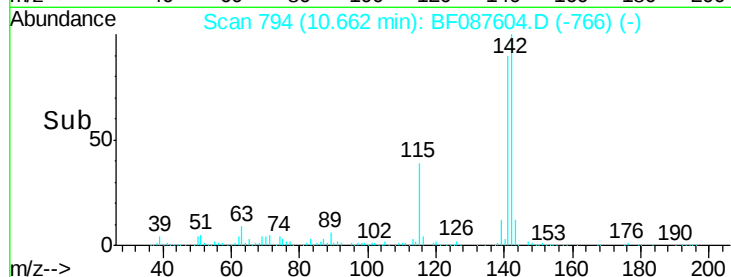
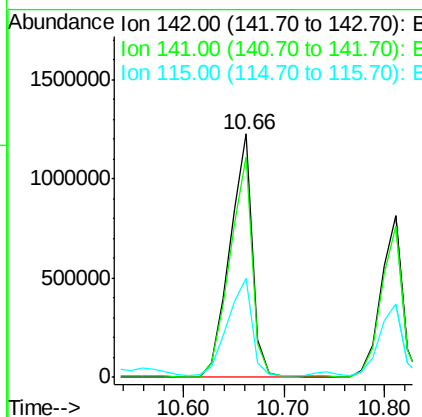
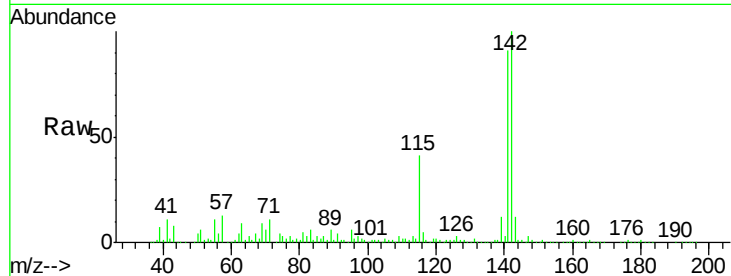
#37
2-Methylnaphthalene
Concen: 1382.70 ng
RT: 10.66 min Scan# 794
Delta R.T. 0.02 min
Lab File: BF087604.D
Acq: 1 Jun 2016 4:19

Instrument :
BNA_F
ClientSampleId :
B3-12DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.6	71.0	106.6
115	40.8	26.6	39.8

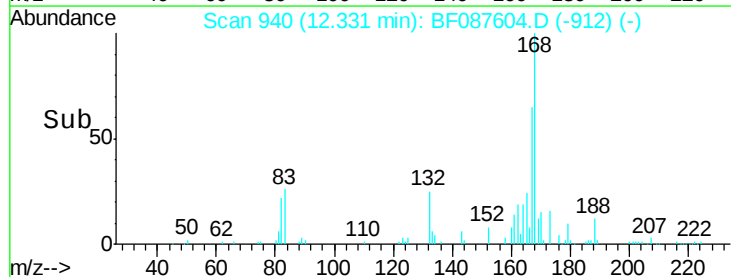
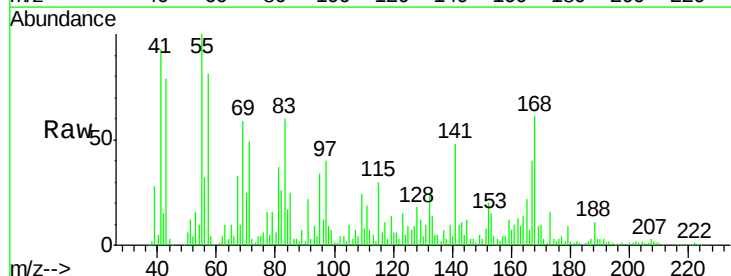
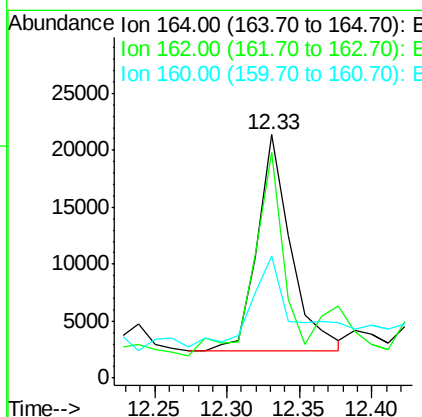
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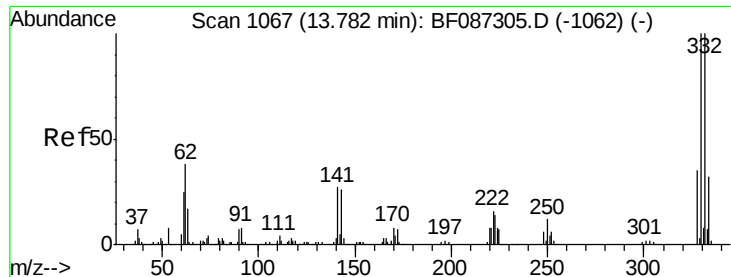
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.33 min Scan# 940
Delta R.T. 0.02 min
Lab File: BF087604.D
Acq: 1 Jun 2016 4:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	92.7	82.8	124.2
160	49.9	36.9	55.3





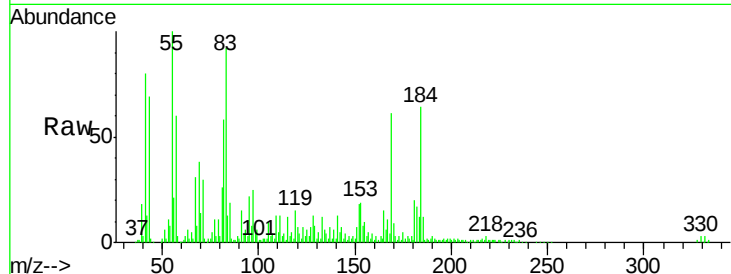
#41
 2,4,6-Tribromophenol
 Concen: 43.11 ng
 RT: 13.65 min Scan# 1055
 Delta R.T. 0.03 min
 Lab File: BF087604.D
 Acq: 1 Jun 2016 4:19

Instrument :
 BNA_F
 ClientSampleId :
 B3-12DL

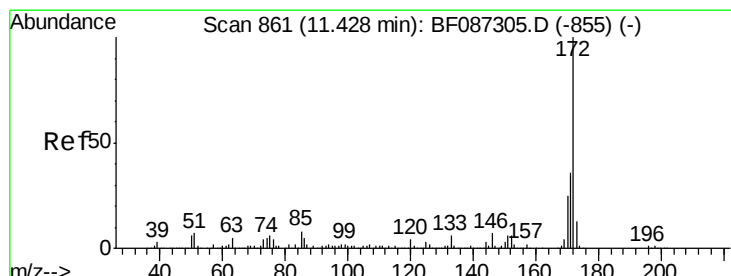
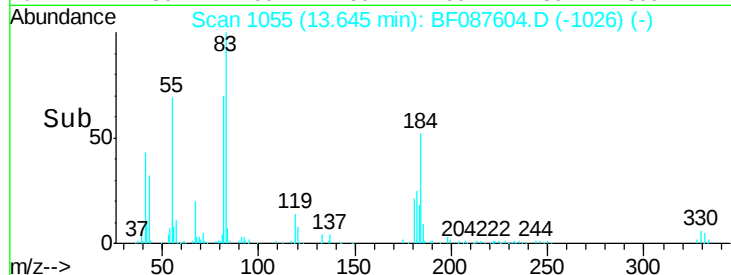
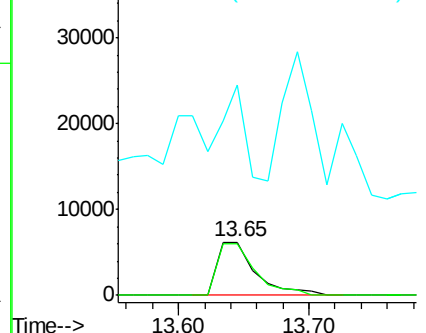
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	79.0	118.4
141	0.0	31.2	46.8

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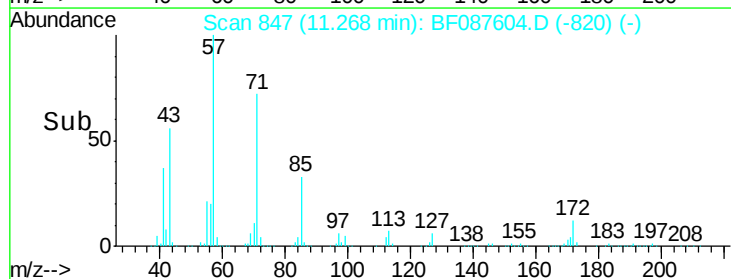
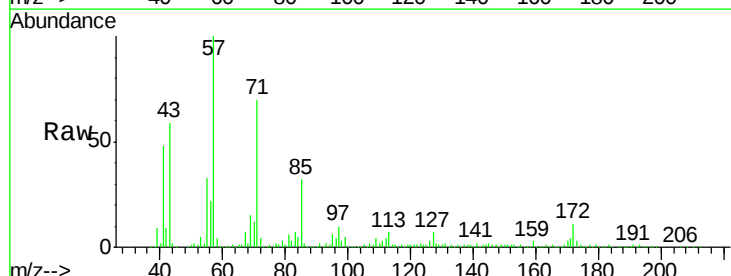
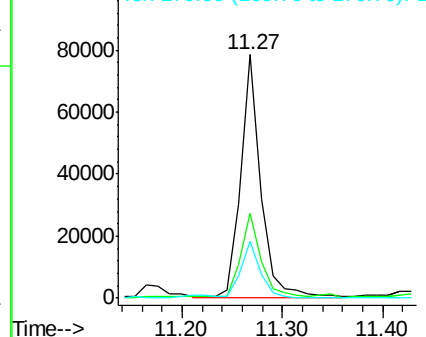
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

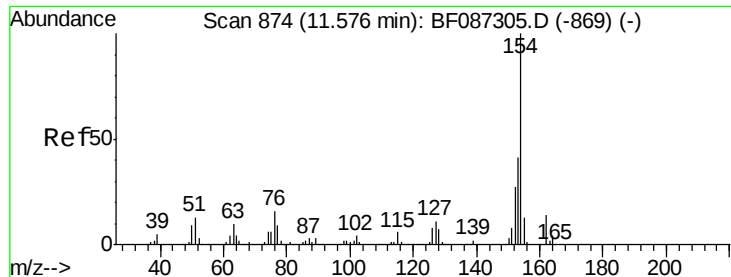


#44
 2-Fluorobiphenyl
 Concen: 50.18 ng
 RT: 11.27 min Scan# 847
 Delta R.T. 0.01 min
 Lab File: BF087604.D
 Acq: 1 Jun 2016 4:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.0	43.6
170	23.5	19.8	29.8

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





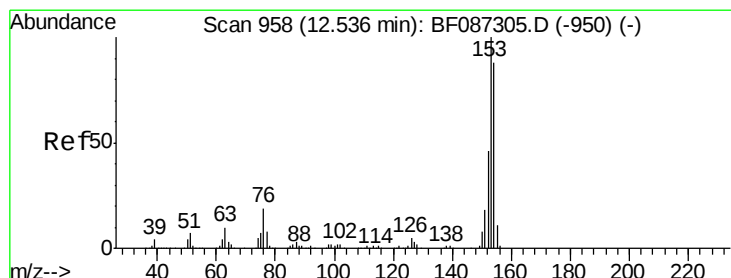
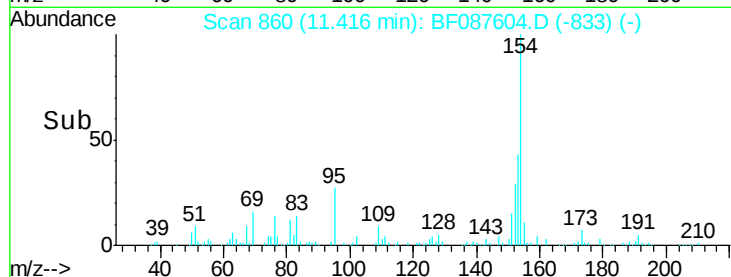
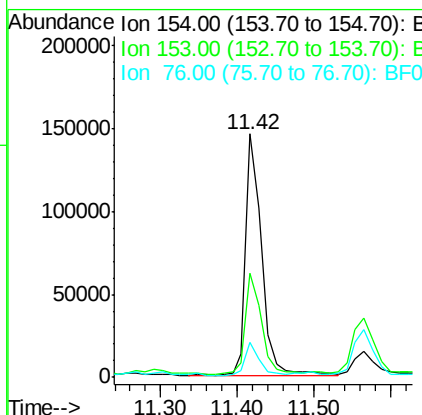
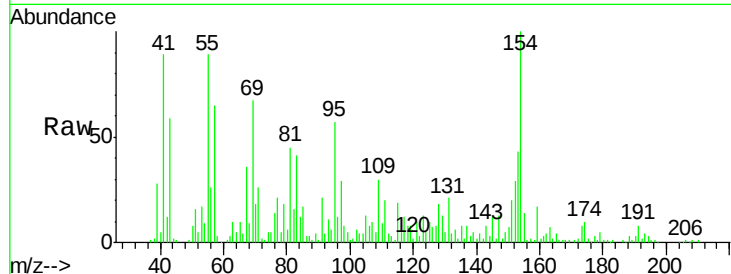
#45
 1,1'-Biphenyl
 Concen: 82.23 ng
 RT: 11.42 min Scan# 860
 Delta R.T. 0.01 min
 Lab File: BF087604.D
 Acq: 1 Jun 2016 4:19

Instrument :
 BNA_F
 ClientSampleId :
 B3-12DL

Tot Ion:	154	Resp:	210348
Ion Ratio	Lower	Upper	
154	100		
153	42.6	20.3	60.3
76	14.5	0.0	30.2

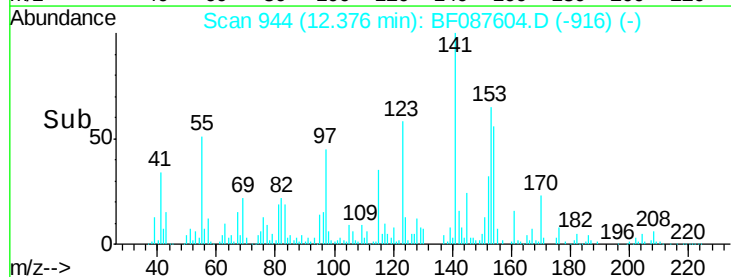
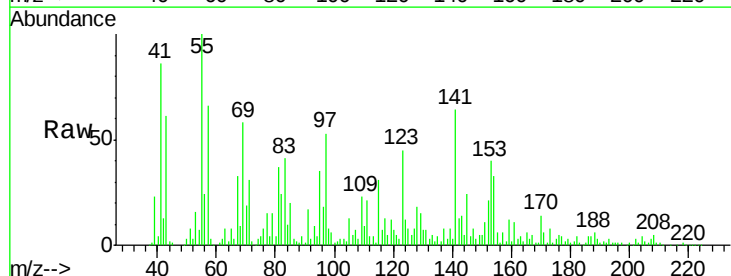
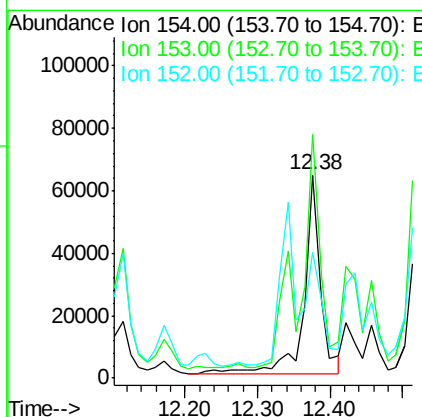
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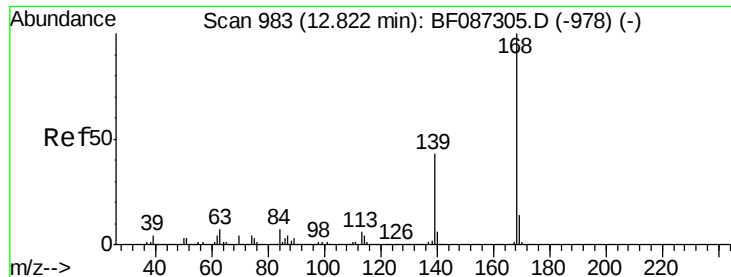
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#51
 Acenaphthene
 Concen: 52.65 ng
 RT: 12.38 min Scan# 944
 Delta R.T. 0.02 min
 Lab File: BF087604.D
 Acq: 1 Jun 2016 4:19

Tgt Ion:	154	Resp:	100259
Ion Ratio	Lower	Upper	
154	100		
153	119.8	89.8	134.6
152	62.2	43.4	65.0





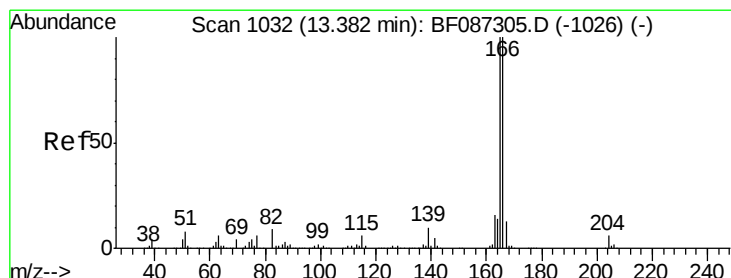
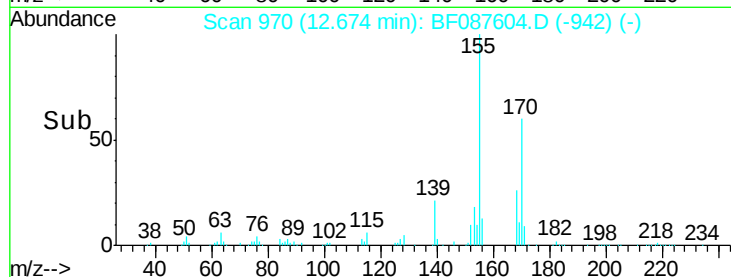
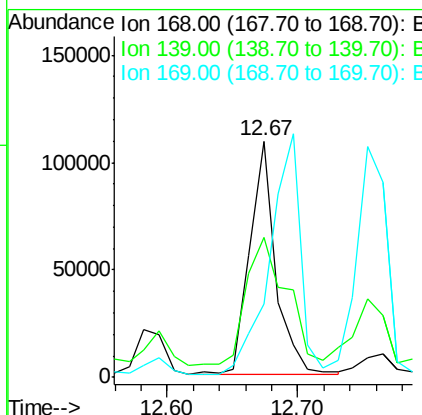
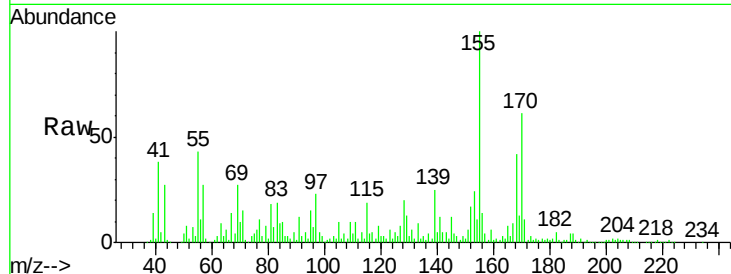
#54
Dibenzenofuran
Concen: 57.72 ng
RT: 12.67 min Scan# 970
Delta R.T. 0.02 min
Lab File: BF087604.D
Acq: 1 Jun 2016 4:19

Instrument :
BNA_F
ClientSampled :
B3-12DL

Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	59.1	31.4	47.0#	
169	31.3	10.7	16.1#	

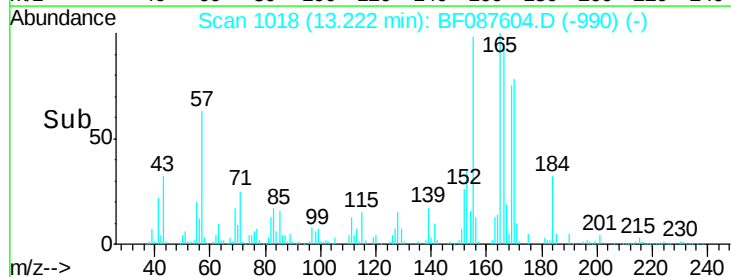
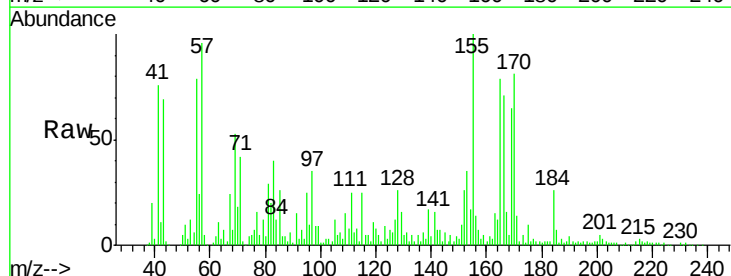
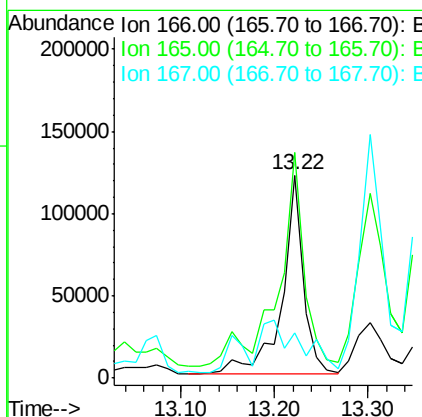
Manual Integrations
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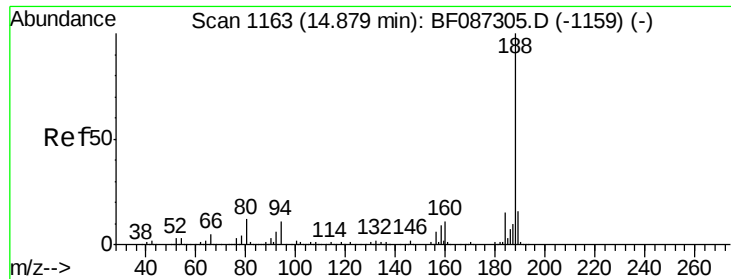
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#57
Fluorene
Concen: 85.85 ng
RT: 13.22 min Scan# 1018
Delta R.T. 0.02 min
Lab File: BF087604.D
Acq: 1 Jun 2016 4:19

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	111.3	79.0	118.6	
167	22.1	10.6	15.8#	





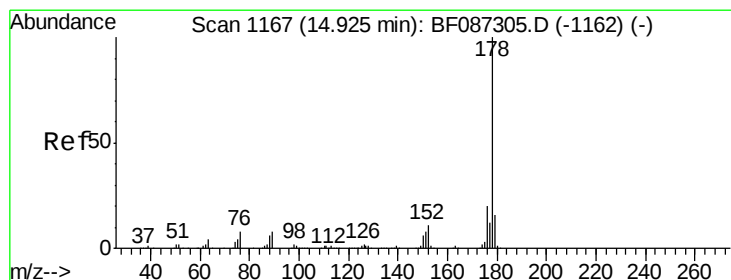
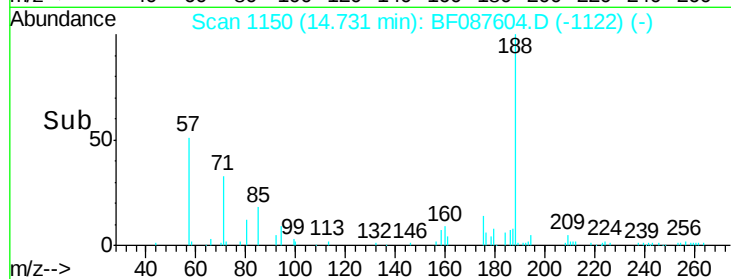
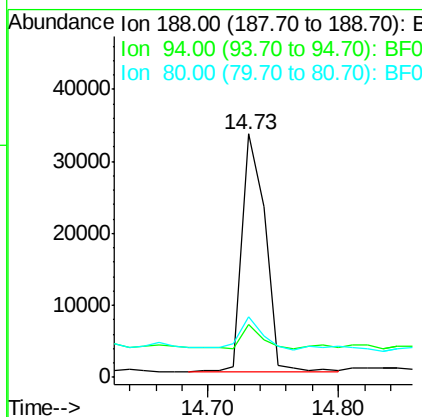
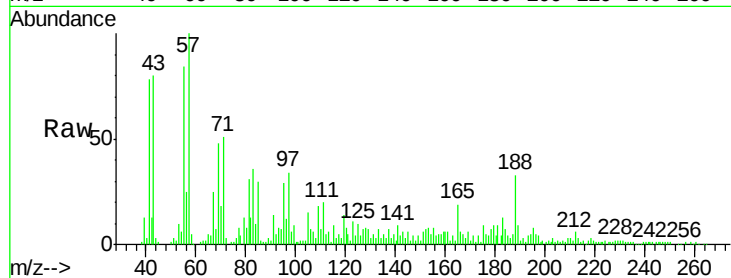
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.73 min Scan# 1150
Delta R.T. 0.02 min
Lab File: BF087604.D
Acq: 1 Jun 2016 4:19

Instrument :
BNA_F
ClientSampleId :
B3-12DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	21.7	6.8	10.2		
80	25.1	7.1	10.7		

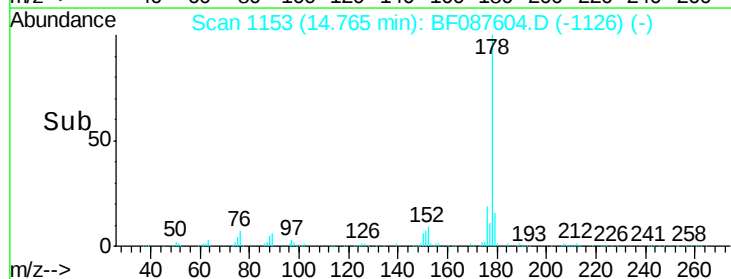
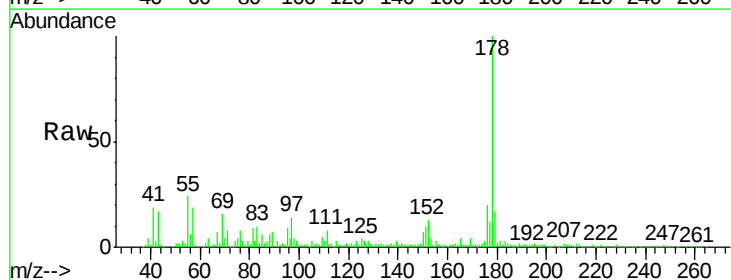
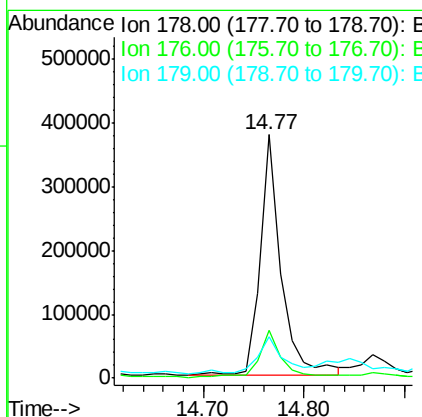
Manual Integrations
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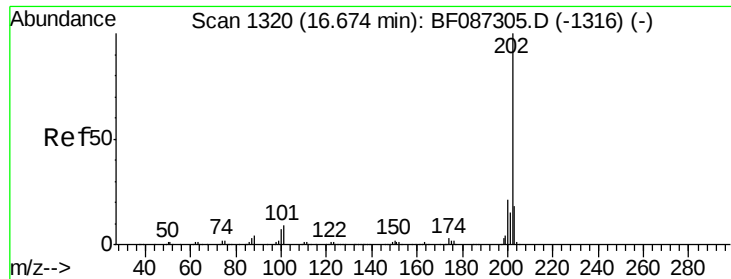
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#70
Phenanthrene
Concen: 243.71 ng
RT: 14.77 min Scan# 1153
Delta R.T. 0.01 min
Lab File: BF087604.D
Acq: 1 Jun 2016 4:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100				
176	19.7	16.0	24.0		
179	17.3	12.6	18.8		





#74

Fluoranthene

Concen: 7.00 ng

RT: 16.56 min Scan# 1310

Delta R.T. 0.05 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

Instrument :

BNA_F

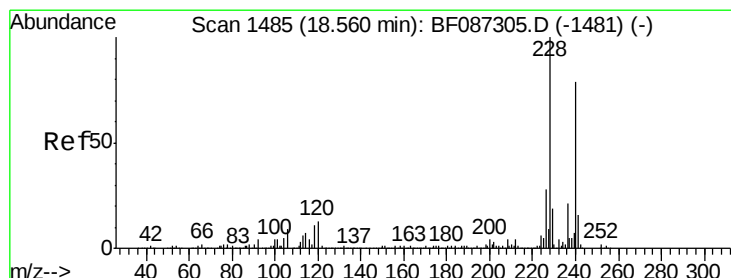
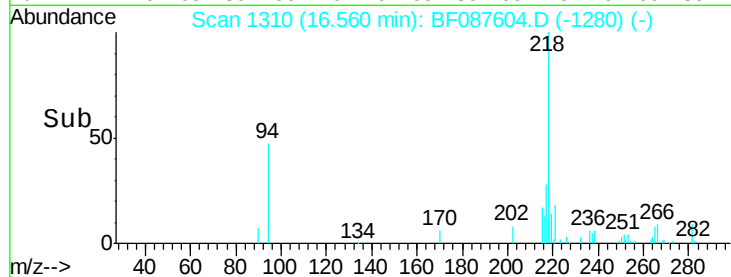
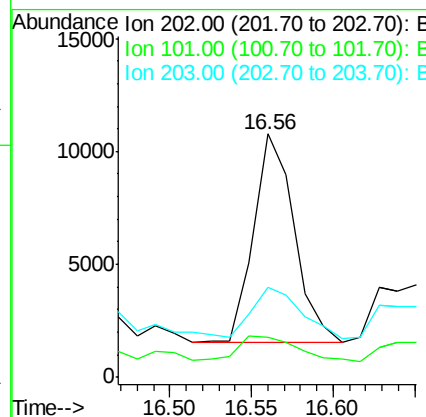
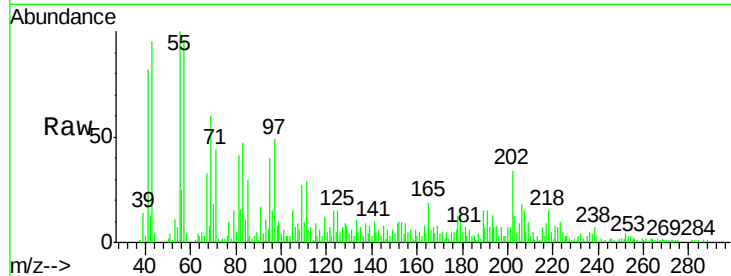
ClientSampled :

B3-12DL

Tot Ion:	202	Resp:	15844
Ion Ratio		Lower	Upper
202	100		
101	16.7	0.0	35.4
203	37.1	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

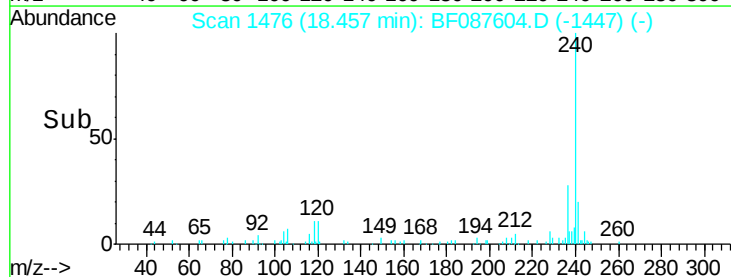
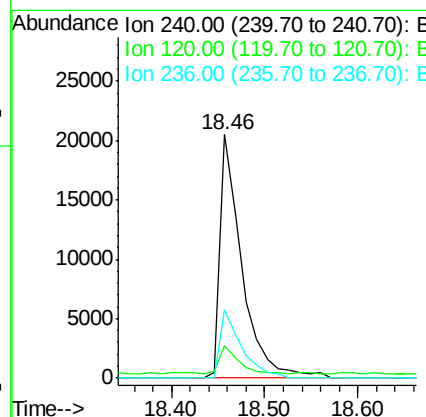
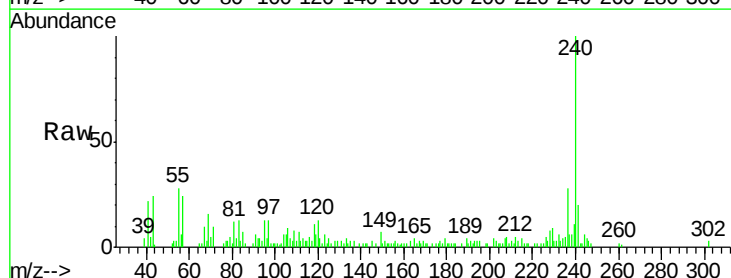
RT: 18.46 min Scan# 1476

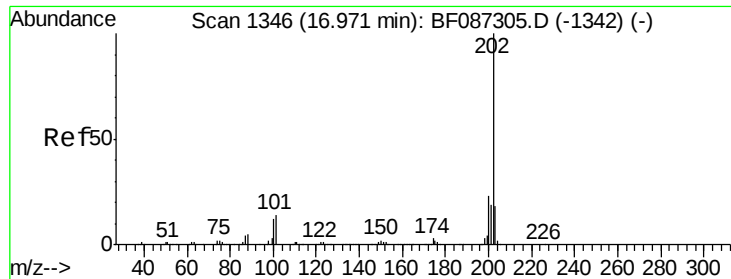
Delta R.T. 0.03 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

Tgt Ion:	240	Resp:	33274
Ion Ratio		Lower	Upper
240	100		
120	13.1	11.2	16.8
236	27.8	21.2	31.8





#77

Pvrene

Concen: 13.45 ng

RT: 16.86 min Scan# 1336

Delta R.T. 0.03 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

Instrument :

BNA_F

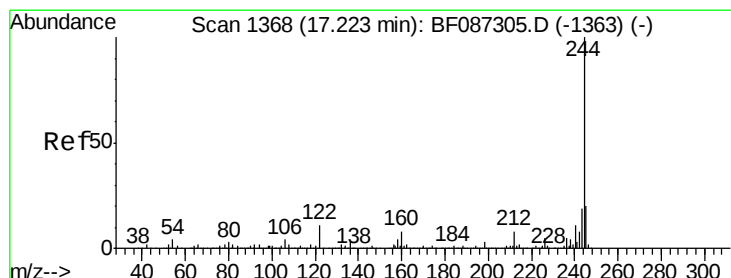
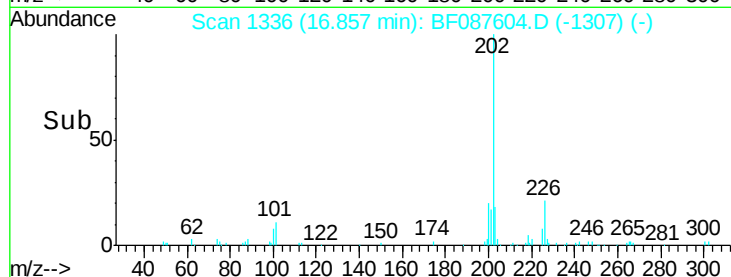
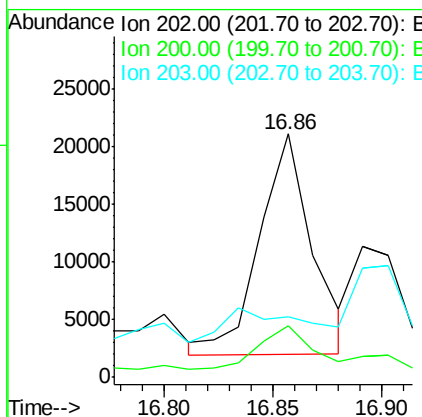
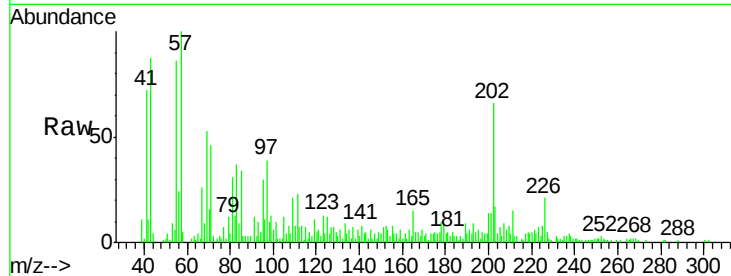
ClientSampled :

B3-12DL

Tot Ion:	202	Resp:	32218
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.7	26.5
203	25.0	14.2	21.4

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#78

Terphenyl-d14

Concen: 69.64 ng

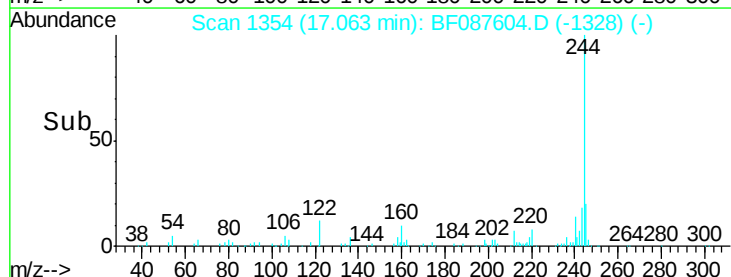
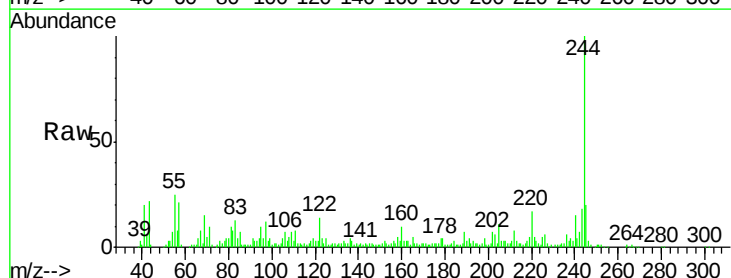
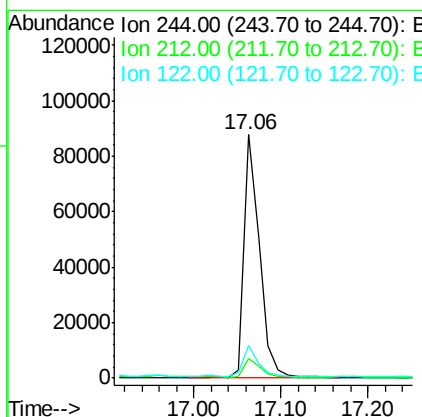
RT: 17.06 min Scan# 1354

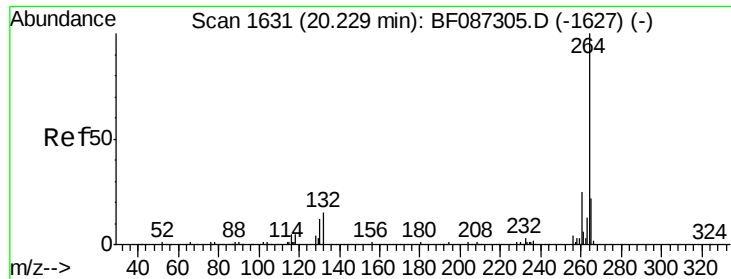
Delta R.T. 0.00 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

Tgt Ion:	244	Resp:	108986
Ion Ratio	Lower	Upper	
244	100		
212	8.3	6.2	9.2
122	13.5	12.0	18.0





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 20.16 min Scan# 1625
 Delta R.T. 0.05 min
 Lab File: BF087604.D
 Acq: 1 Jun 2016 4:19

Instrument :
 BNA_F
 ClientSampleId :
 B3-12DL

Tot Ion:	264	Resp:	23733
Ion Ratio		Lower	Upper
264	100		
260	24.1	19.5	29.3
265	23.5	17.3	25.9

Manual Integrations
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