

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
 Data File : BF097477.D
 Acq On : 8 Aug 2017 19:20
 Operator : SJ/JU
 Sample : I4555-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SV21074LM

Manual Integrations
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Sohil
 8/9/2017 7:16:23 PM

Quant Time: Aug 08 20:15:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.41	152	90715	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	387231	20.00	ng	-0.01
38) Acenaphthene-d10	9.43	164	187918	20.00	ng	-0.01
63) Phenanthrene-d10	10.90	188	313181	20.00	ng	-0.01
75) Chrysene-d12	13.53	240	234150	20.00	ng	-0.01
86) Perylene-d12	14.87	264	167556	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	57674	9.58	ng	0.03
7) Phenol-d6	6.10	99	30223	4.40	ng	0.01
23) Nitrobenzene-d5	6.98	82	126238	19.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.22	330	23207	15.63	ng	-0.01
44) 2-Fluorobiphenyl	8.76	172	193802	17.50	ng	-0.01
78) Terphenyl-d14	12.49	244	97066	8.45	ng	-0.01
Target Compounds						
6) Aniline	6.12	93	5871918	679.234	ng	95
20) 3+4-Methylphenols	6.88	107	132640	20.450	ng	# 54
24) Nitrobenzene	6.99	77	86540	12.588	ng	# 48
33) 4-Chloroaniline	7.79	127	28472	3.833	ng	# 91
49) Dimethylphthalate	9.17	163	205393	14.393	ng	100
76) Benzidine	12.24	184	25114	2.891	ng	# 89

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

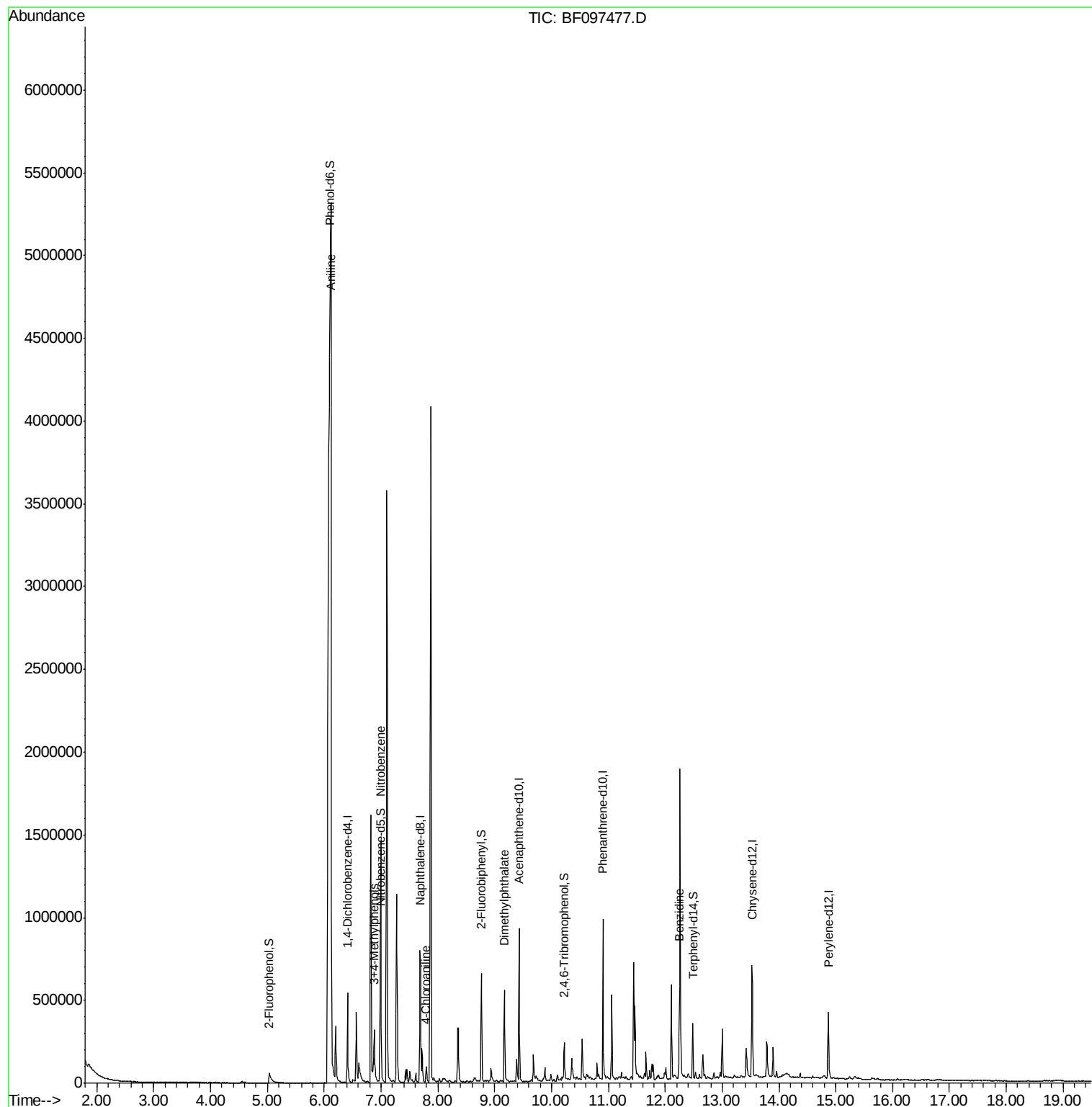
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
Data File : BF097477.D
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Sample : I4555-01
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ALS Vial : 3 Sample Multiplier: 1

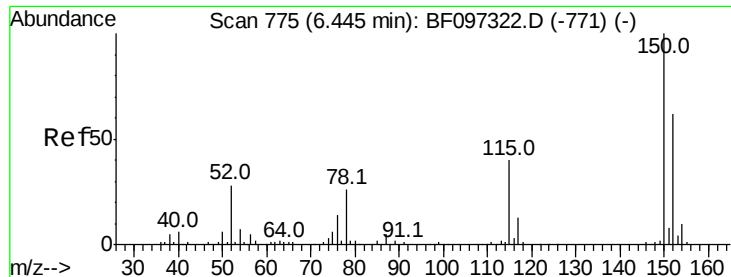
Instrument :
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Quant Time: Aug 08 20:15:33 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
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#1

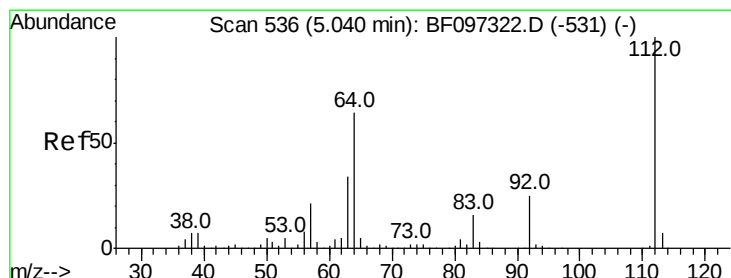
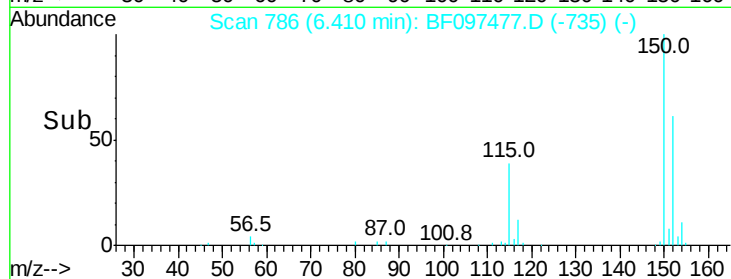
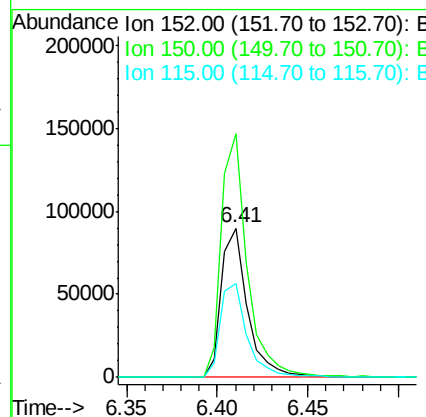
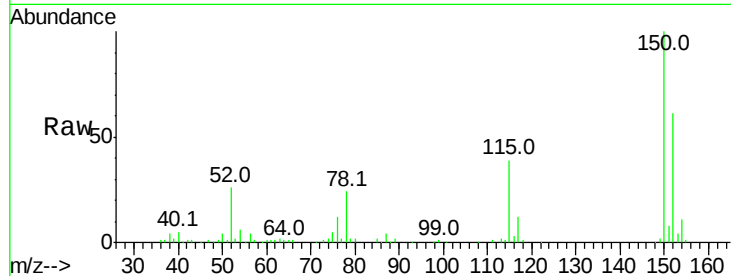
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.41 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF097477.D
Acq: 8 Aug 2017 19:20

Instrument :
BNA_F
ClientSampleId :
SV21074LM

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.2	126.2	189.2
115	63.2	52.2	78.2

Manual Integrations
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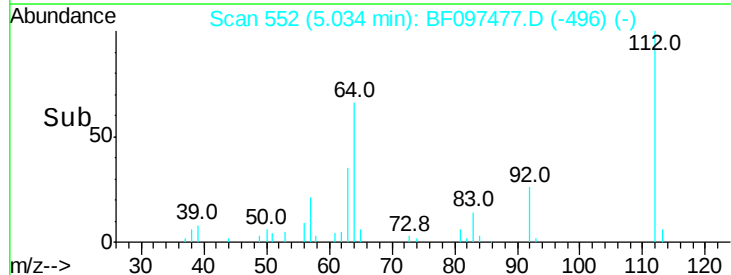
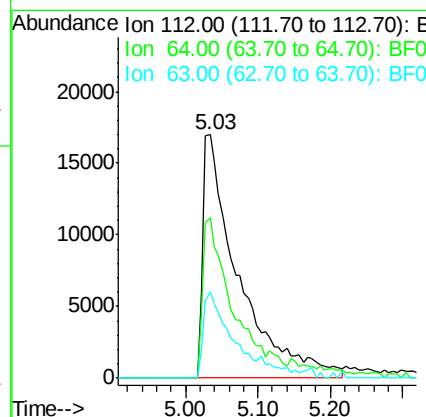
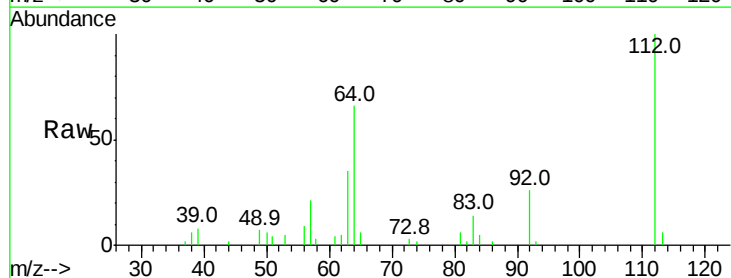
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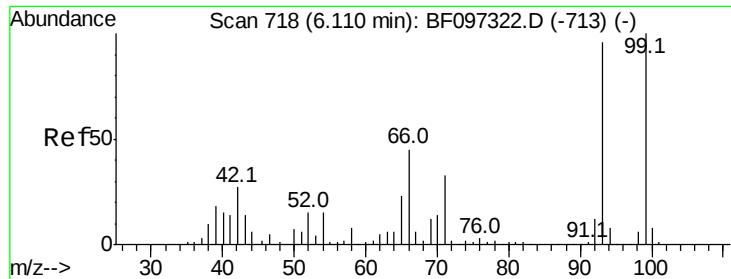


#5

2-Fluorophenol
Concen: 9.584 ng
RT: 5.03 min Scan# 552
Delta R.T. 0.03 min
Lab File: BF097477.D
Acq: 8 Aug 2017 19:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	46.0	69.0
63	35.3	23.4	35.0#





#6

Aniline

Concen: 679.234 ng

RT: 6.12 min Scan# 737

Delta R.T. 0.05 min

Lab File: BF097477.D

Acq: 8 Aug 2017 19:20

Instrument :

BNA_F

ClientSampleId :

SV21074LM

Tot Ion: 93 Resp: 5871918

Ion Ratio Lower Upper

93 100

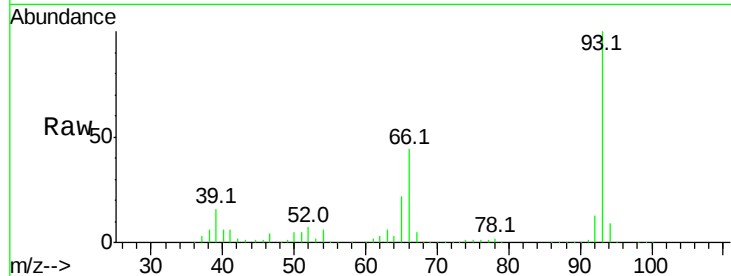
66 44.5 32.9 49.3

65 22.5 16.0 24.0

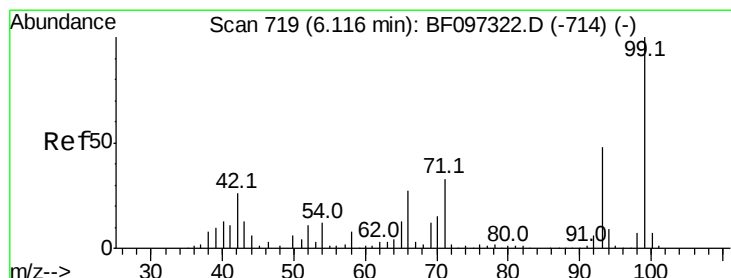
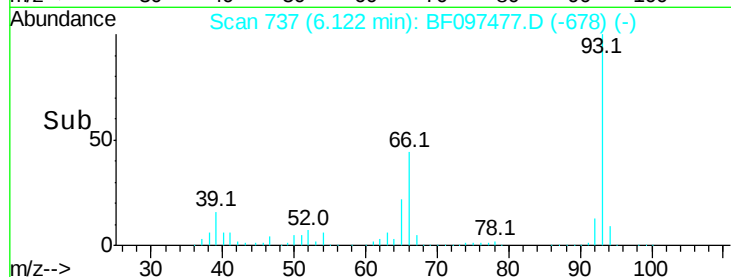
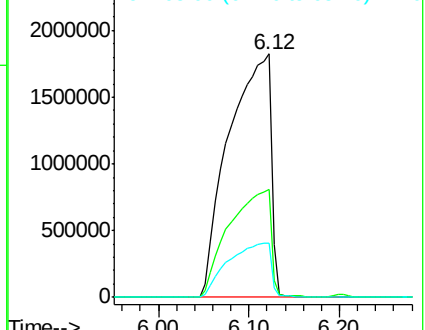
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Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 4.399 ng

RT: 6.10 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF097477.D

Acq: 8 Aug 2017 19:20

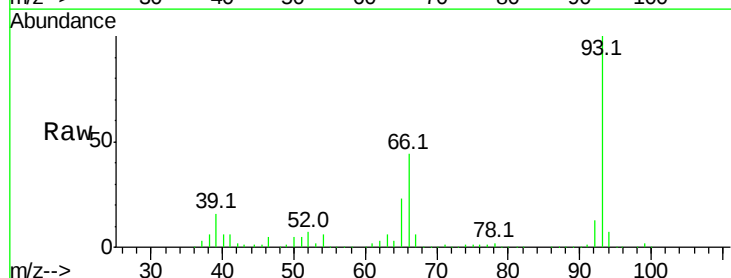
Tgt Ion: 99 Resp: 30223

Ion Ratio Lower Upper

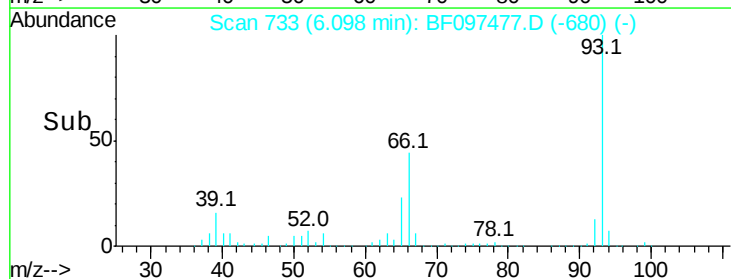
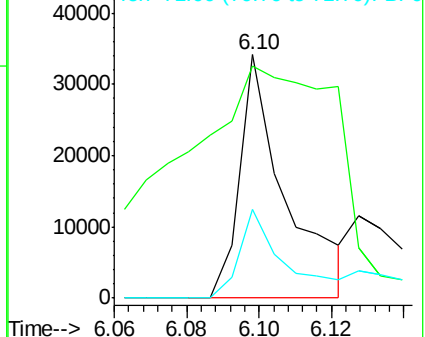
99 100

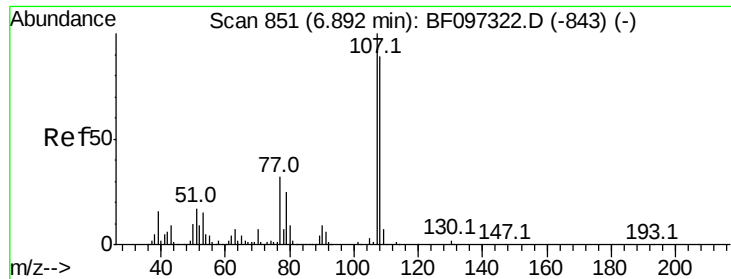
42 95.2 13.5 20.3#

71 36.4 24.5 36.7



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





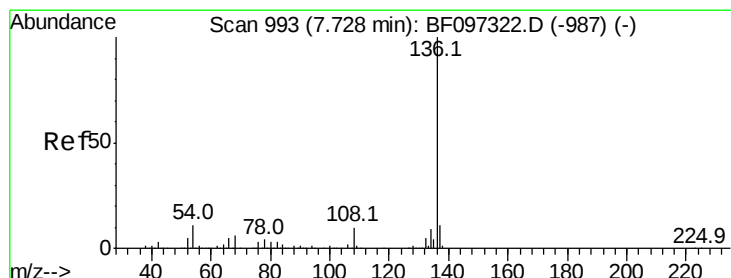
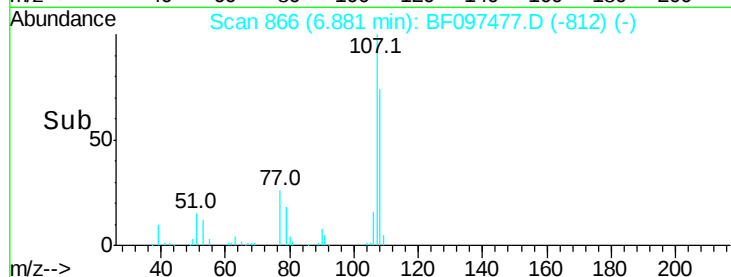
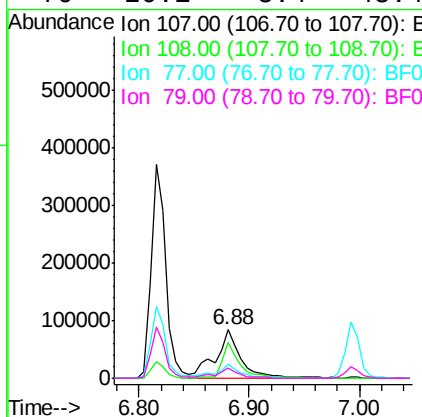
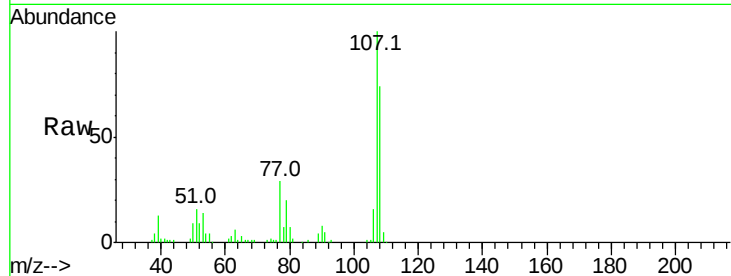
#20
 3+4-Methylphenols
 Concen: 20.450 ng
 RT: 6.88 min Scan# 866
 Delta R.T. 0.02 min
 Lab File: BF097477.D
 Acq: 8 Aug 2017 19:20

Instrument :
 BNA_F
 ClientSampleId :
 SV21074LM

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	74.1	71.0	111.0	
77	29.2	90.5	130.5#	
79	20.1	8.4	48.4	

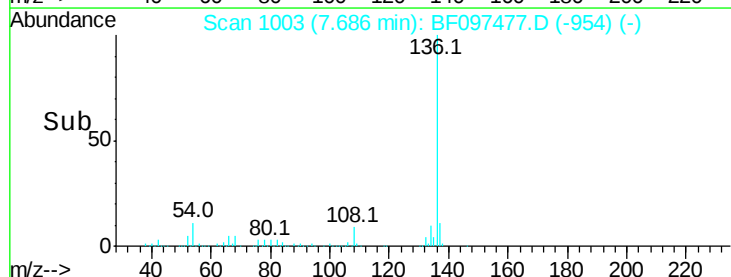
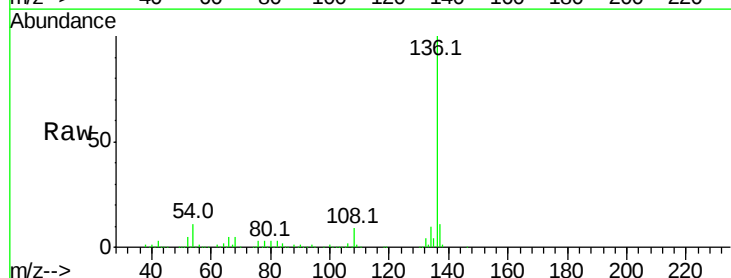
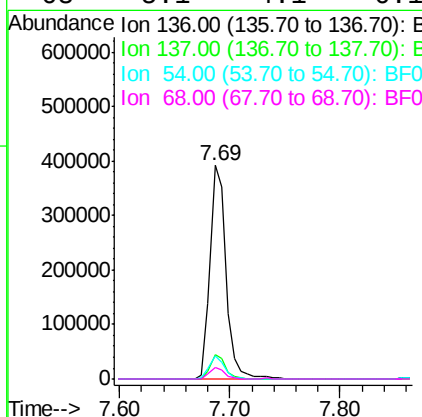
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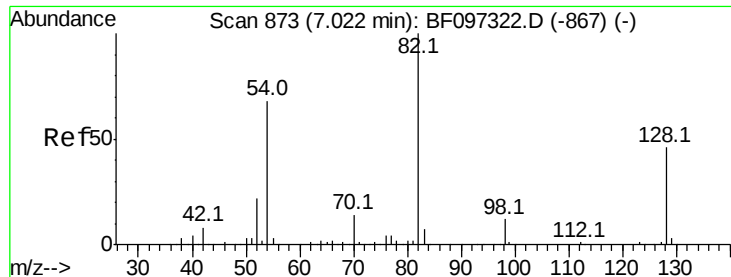
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#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 7.69 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: BF097477.D
 Acq: 8 Aug 2017 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	8.5	12.7	
54	10.5	4.9	7.3#	
68	5.1	4.1	6.1	





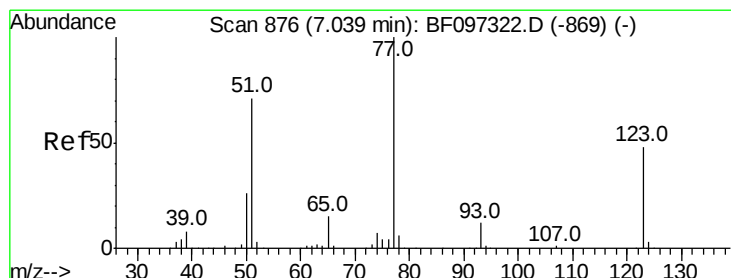
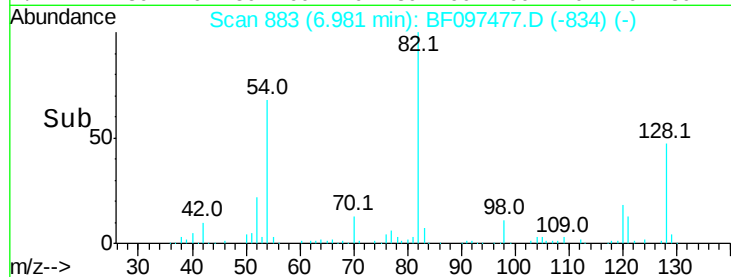
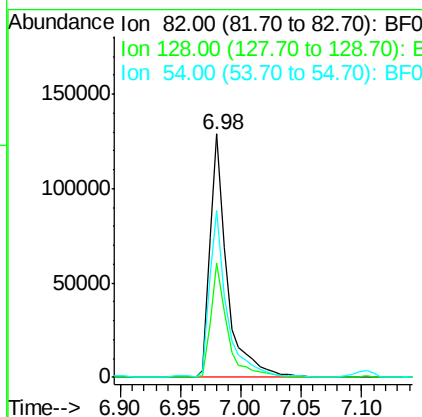
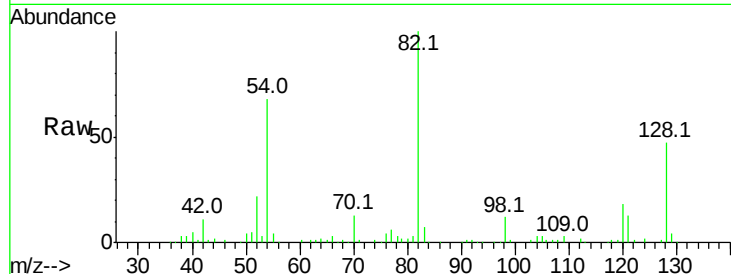
#23
 Nitrobenzene-d5
 Concen: 19.125 ng
 RT: 6.98 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF097477.D
 Acq: 8 Aug 2017 19:20

Instrument :
 BNA_F
 ClientSampleId :
 SV21074LM

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.2	34.0	51.0	
54	68.3	42.2	63.2	

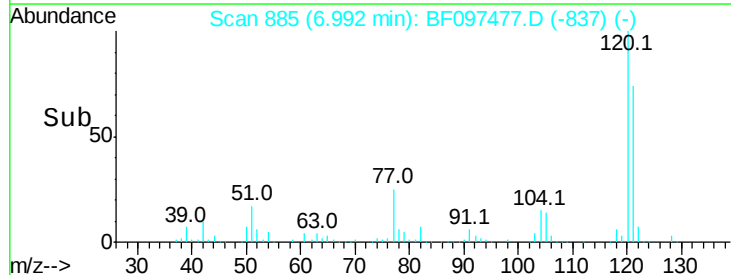
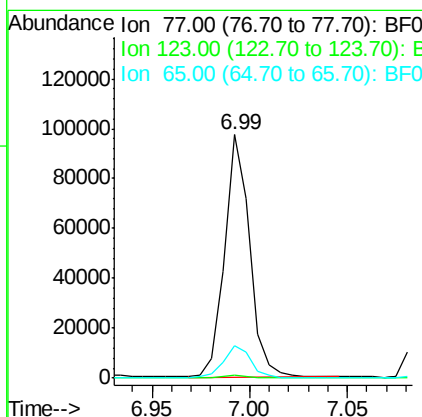
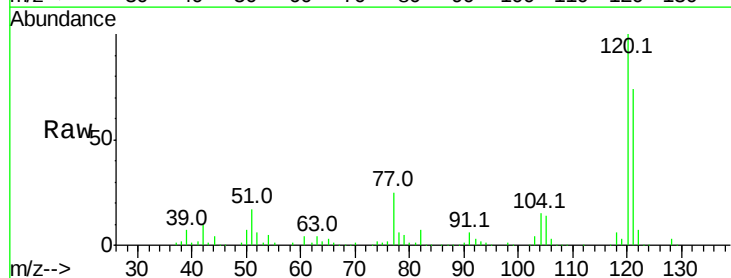
Manual Integrations
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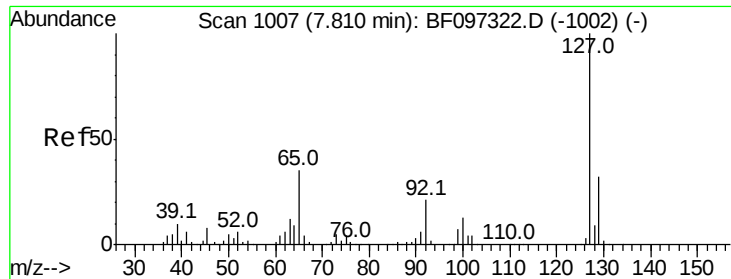
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#24
 Nitrobenzene
 Concen: 12.588 ng
 RT: 6.99 min Scan# 885
 Delta R.T. -0.02 min
 Lab File: BF097477.D
 Acq: 8 Aug 2017 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	1.0	35.8	53.8	
65	13.4	10.6	15.8	





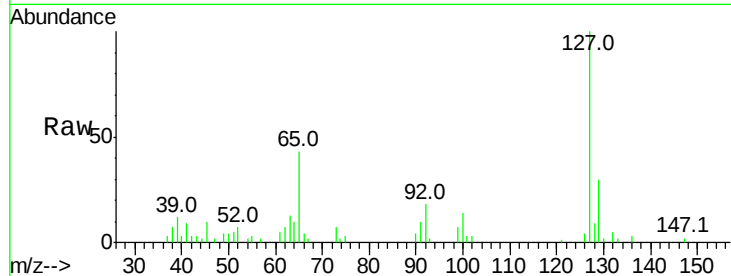
#33
4-Chloroaniline
Concen: 3.833 ng
RT: 7.79 min Scan# 1020
Delta R.T. 0.01 min
Lab File: BF097477.D
Acq: 8 Aug 2017 19:20

Instrument :
BNA_F
ClientSampleId :
SV21074LM

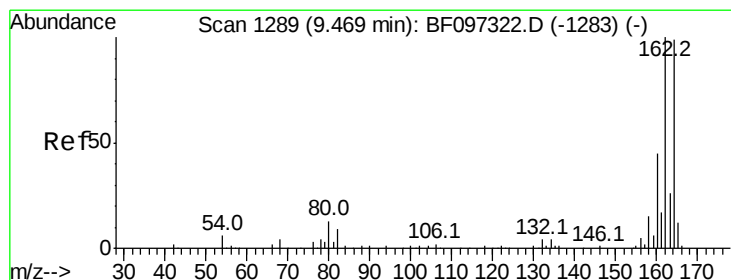
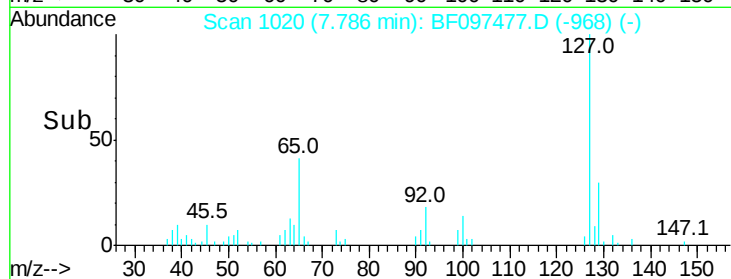
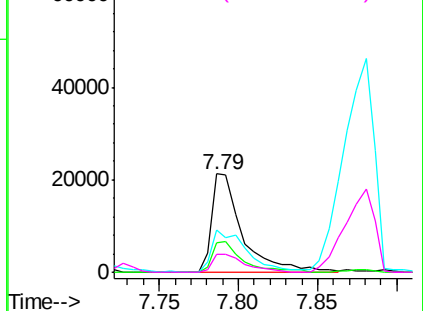
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	30.2	26.2	39.2		
65	42.8	27.8	41.8		
92	18.1	16.8	25.2		

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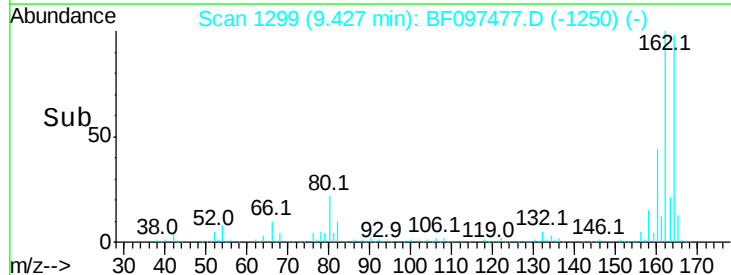
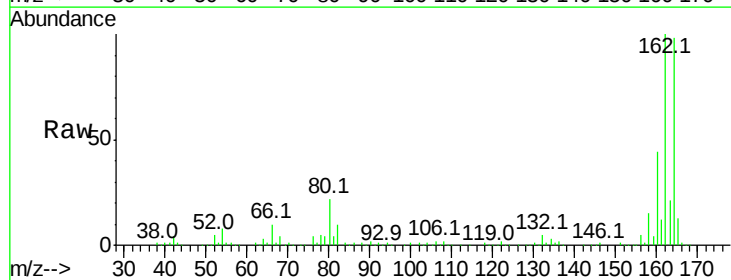
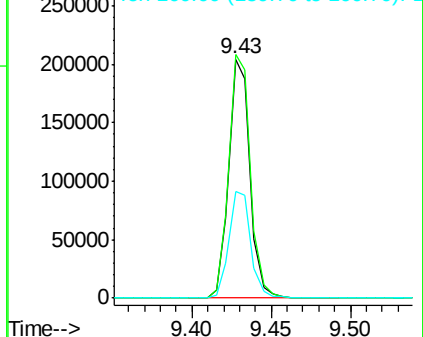
Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

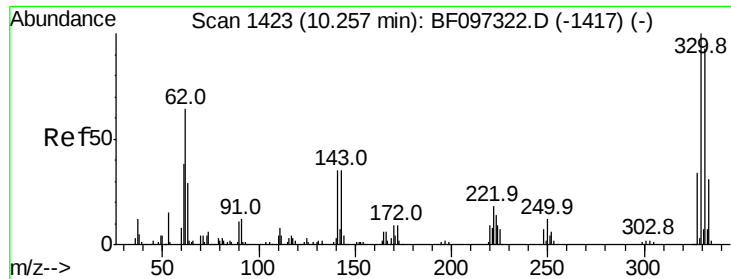


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.43 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF097477.D
Acq: 8 Aug 2017 19:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100				
162	102.1	82.6	123.8		
160	44.6	36.2	54.2		

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





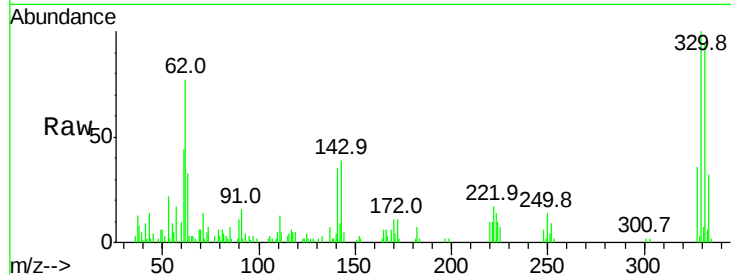
#41
 2,4,6-Tribromophenol
 Concen: 15.630 ng
 RT: 10.22 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF097477.D
 Acq: 8 Aug 2017 19:20

Instrument :
 BNA_F
 ClientSampleId :
 SV21074LM

Tot Ion	Ratio	Resp	Lower	Upper
330	100	23207		
332	101.0	76.6	115.0	
141	46.4	31.4	47.2	

Manual Integrations
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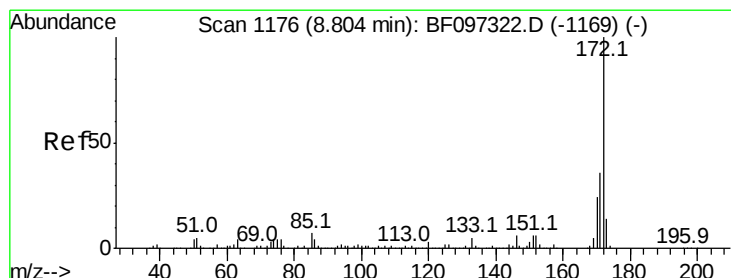
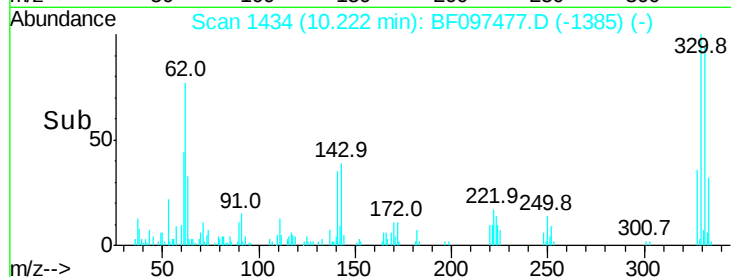
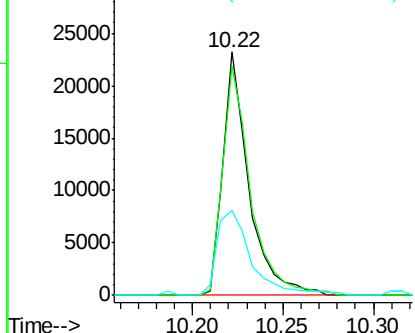


Abundance

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: 17.502 ng
 RT: 8.76 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF097477.D
 Acq: 8 Aug 2017 19:20

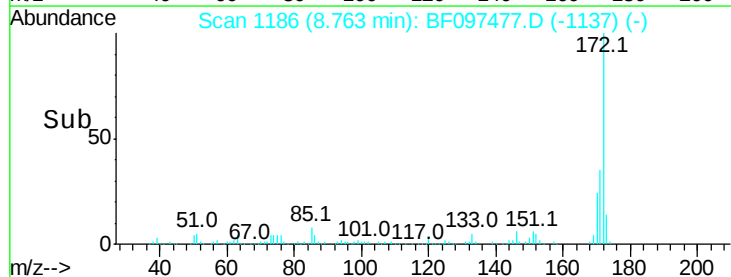
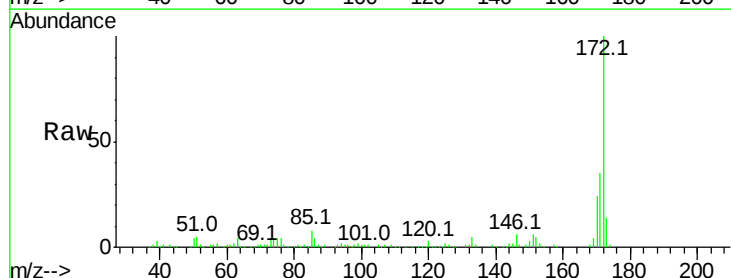
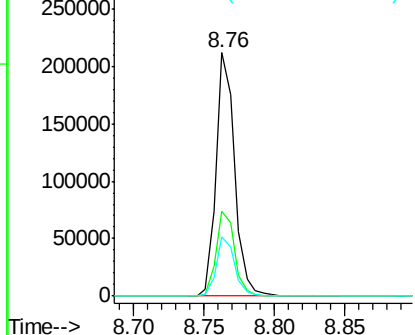
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	193802		
171	35.0	29.6	44.4	
170	24.5	19.8	29.8	

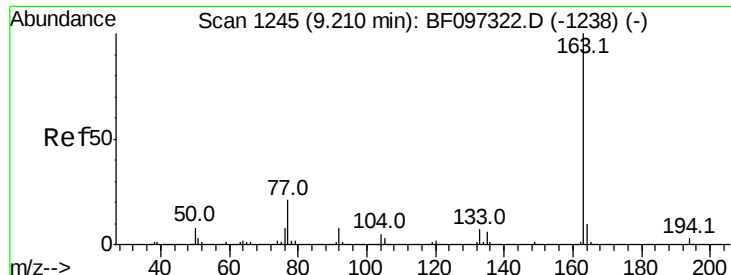
Abundance

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





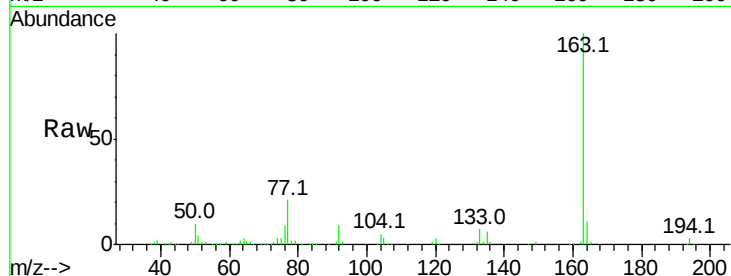
#49
Dimethylphthalate
Concen: 14.393 ng
RT: 9.17 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF097477.D
Acq: 8 Aug 2017 19:20

Instrument :
BNA_F
ClientSampleId :
SV21074LM

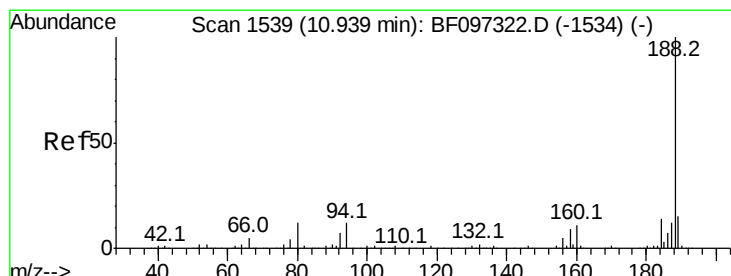
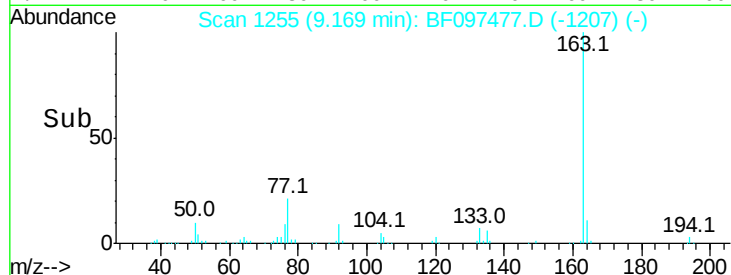
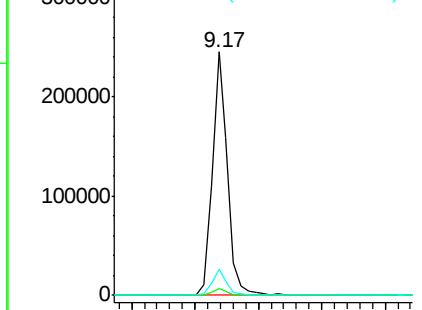
Tot Ion	Ratio	Resp	Lower	Upper
163	100	205393		
194	3.0		2.6	4.0
164	10.6		8.4	12.6

Manual Integrations
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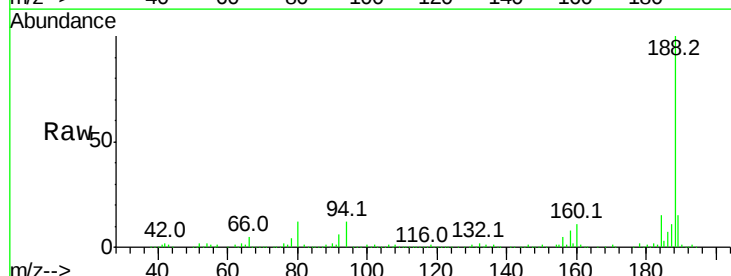


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

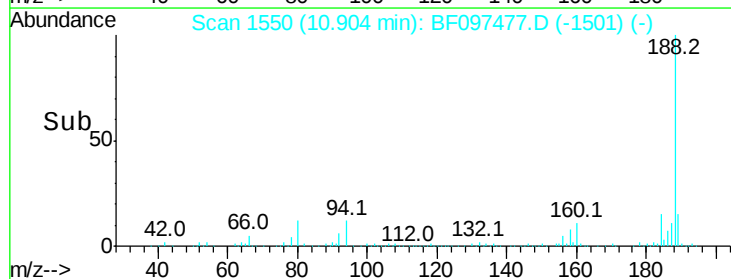
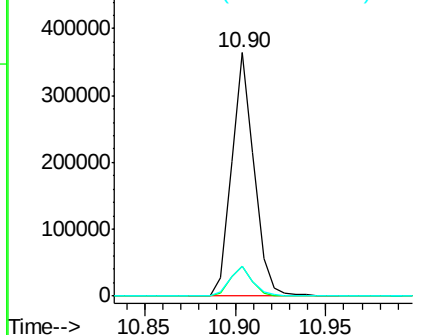


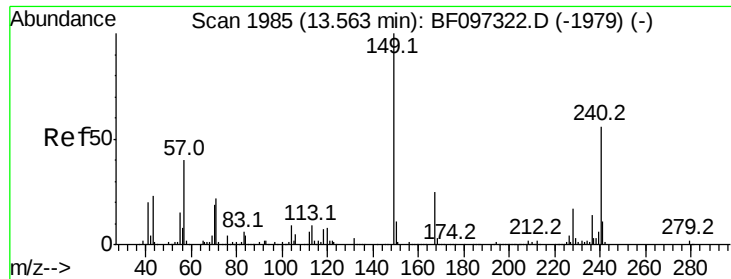
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.90 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BF097477.D
Acq: 8 Aug 2017 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	313181		
94	12.1		9.4	14.2
80	12.3		10.2	15.2



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.53 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF097477.D

Acq: 8 Aug 2017 19:20

Instrument :

BNA_F

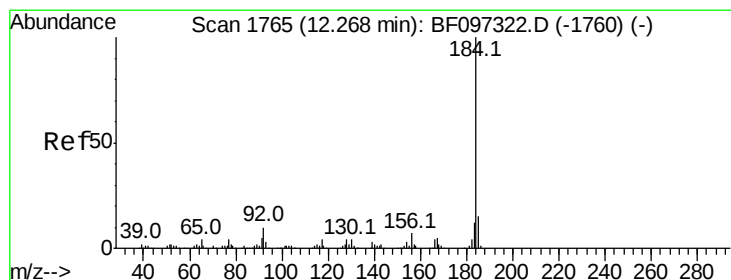
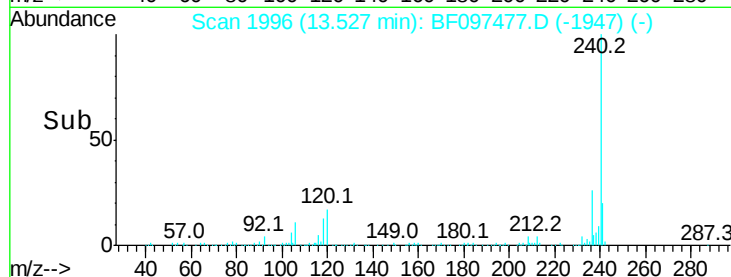
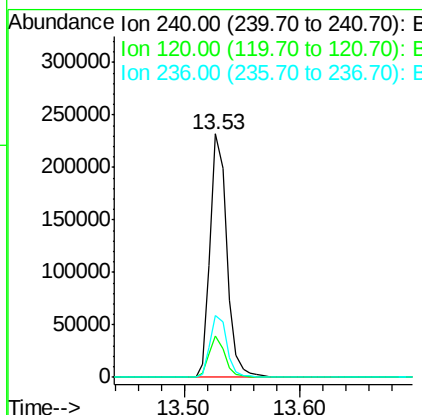
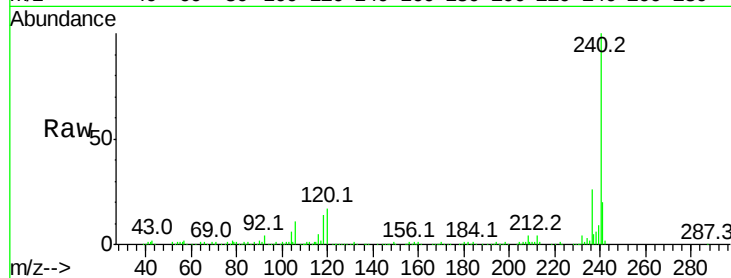
ClientSampleId :

SV21074LM

Tot Ion	Ratio	Resp	Lower	Upper
240	100	234150		
120	16.8	5.8	8.8#	
236	25.6	20.5	30.7	

Manual Integrations
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Sohil
8/9/2017 7:16:23 PM



#76

Benzidine

Concen: 2.891 ng

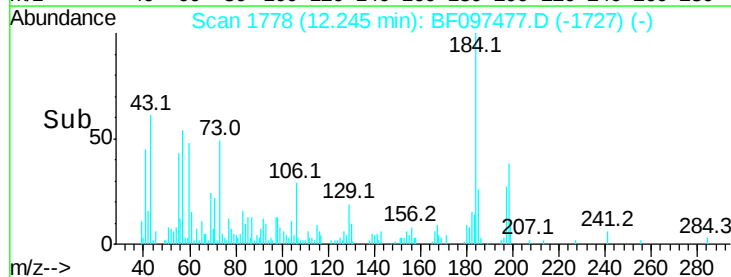
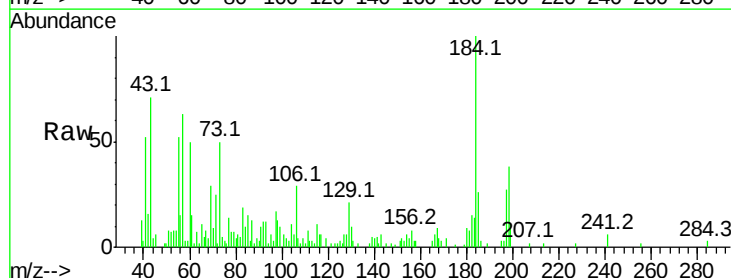
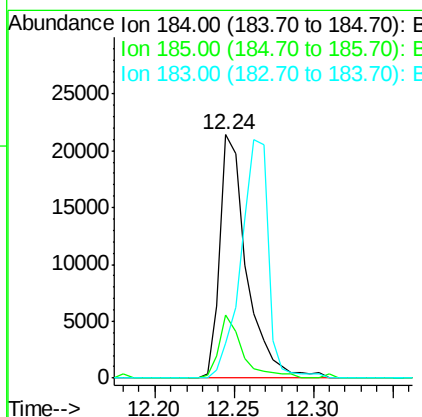
RT: 12.24 min Scan# 1778

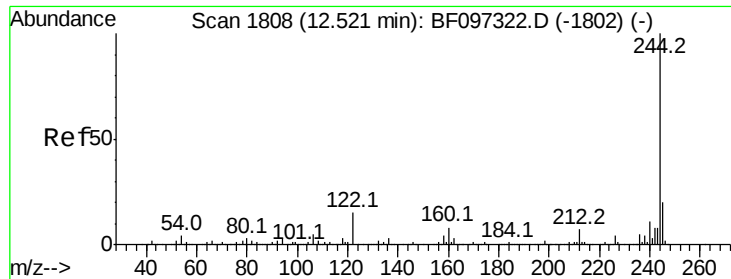
Delta R.T. 0.00 min

Lab File: BF097477.D

Acq: 8 Aug 2017 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	25114		
185	26.0	15.5	23.3#	
183	14.3	9.8	14.6	





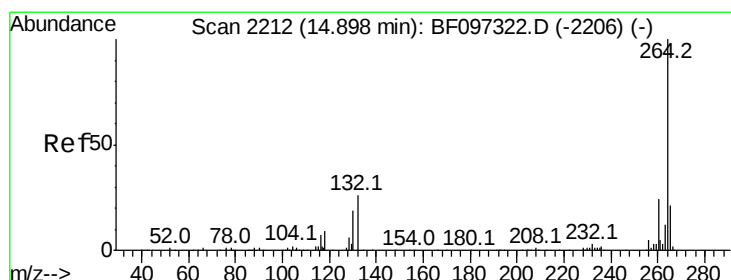
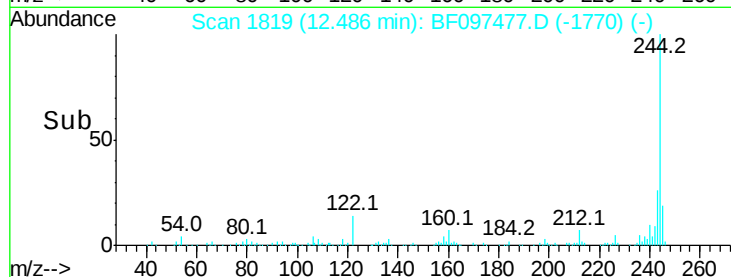
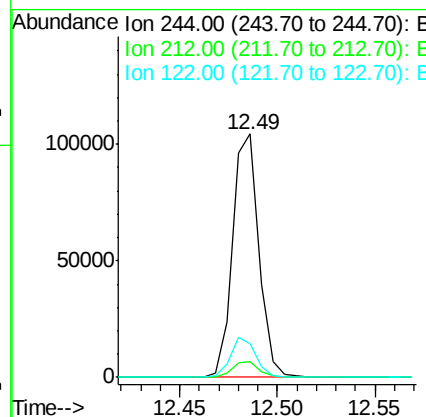
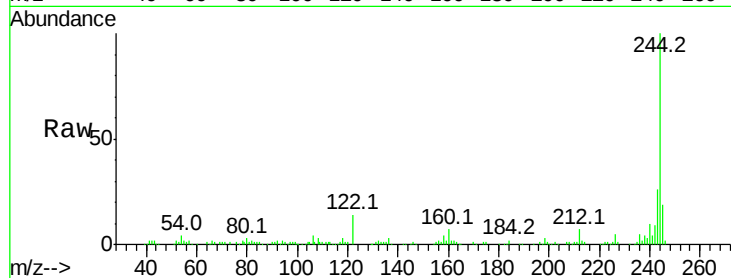
#78
 Terphenyl-d14
 Concen: 8.452 ng
 RT: 12.49 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BF097477.D
 Acq: 8 Aug 2017 19:20

Instrument :
 BNA_F
 ClientSampled :
 SV21074LM

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	13.7	10.3	15.5

Manual Integrations
 APPROVED

Sohil
 8/9/2017 7:16:23 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.87 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: BF097477.D
 Acq: 8 Aug 2017 19:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	20.4	17.2	25.8

