

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020618\
 Data File : BF102777.D
 Acq On : 6 Feb 2018 12:09
 Operator : SJ/JU
 Sample : J1454-14 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-10-WW(1-4)

Manual Integrations
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Quant Time: Feb 06 15:00:26 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	189694	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	782018	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	337317	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	487998	20.00	ng	0.00
75) Chrysene-d12	14.04	240	323643	20.00	ng	0.00
86) Perylene-d12	15.53	264	314976	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	338310	27.08	ng	0.00
7) Phenol-d6	6.50	99	406326	27.02	ng	0.00
23) Nitrobenzene-d5	7.44	82	235564	20.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	65045	23.96	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	428114	21.06	ng	-0.01
78) Terphenyl-d14	12.99	244	269766	19.74	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	11.43	178	176604	6.498	ng	100
74) Fluoranthene	12.62	202	183907	6.726	ng	100
77) Pyrene	12.84	202	147594	5.816	ng	98
80) Benzo(a)anthracene	14.03	228	64607	3.174	ng	97
82) Chrysene	14.07	228	72301	3.524	ng	98
85) Indeno(1,2,3-cd)pyrene	17.01	276	37947	2.230	ng	96
87) Benzo(b)fluoranthene	15.09	252	88900m	4.353	ng	
89) Benzo(a)pyrene	15.46	252	56058	3.050	ng	# 76
91) Benzo(g,h,i)perylene	17.46	276	37537	2.570	ng	# 89

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

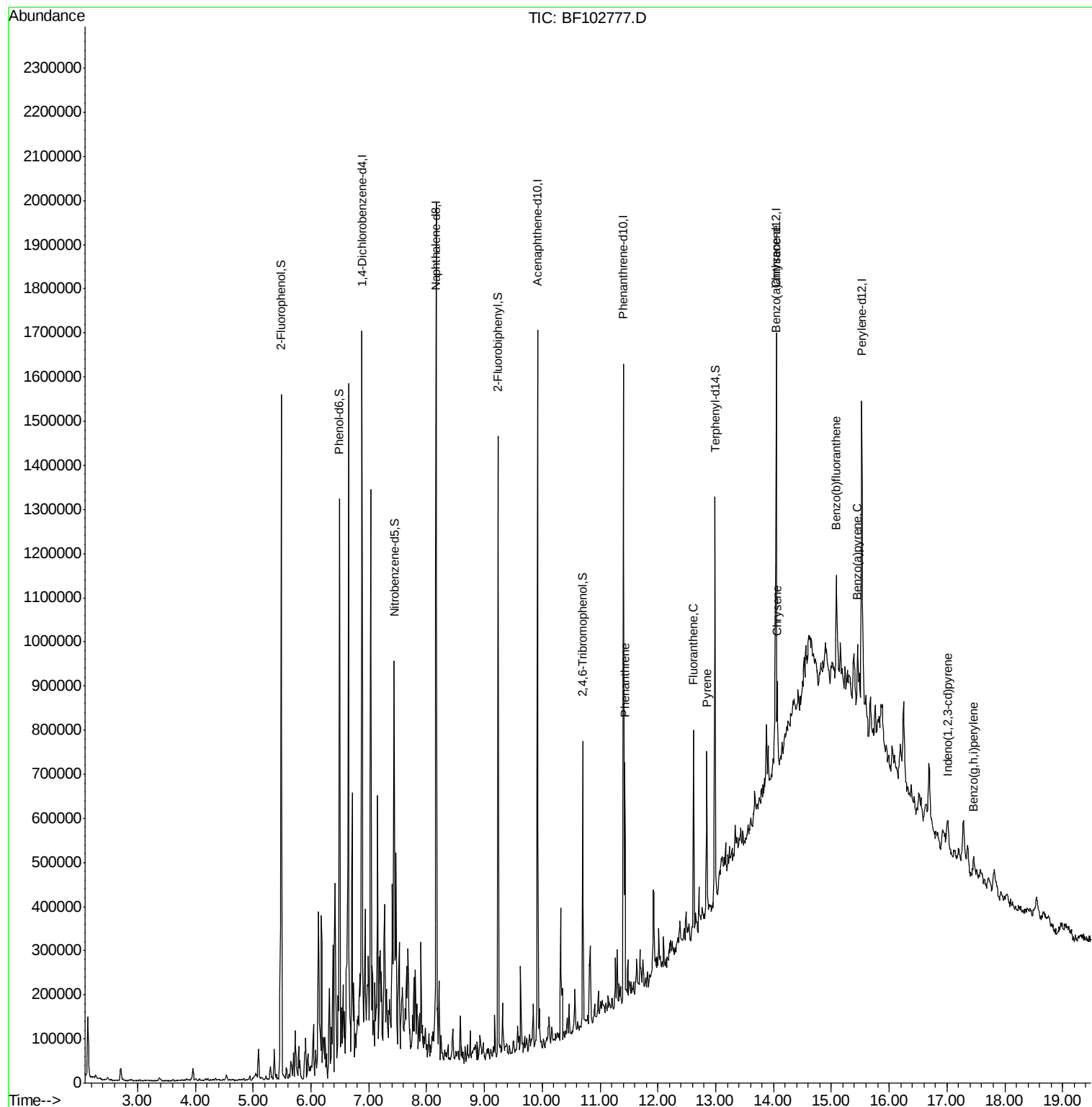
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020618\
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ALS Vial : 7 Sample Multiplier: 1

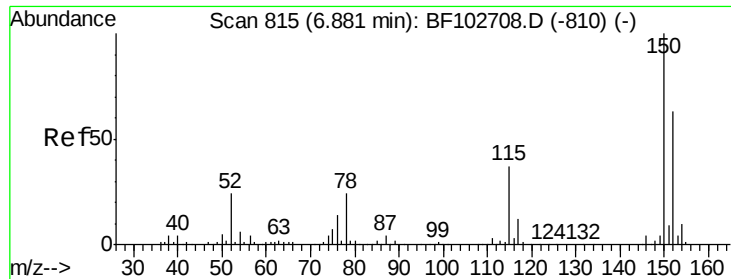
Instrument :
BNA_F
ClientSampleId :
8-SAN-10-WW(1-4)

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Quant Time: Feb 06 15:00:26 2018
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#1

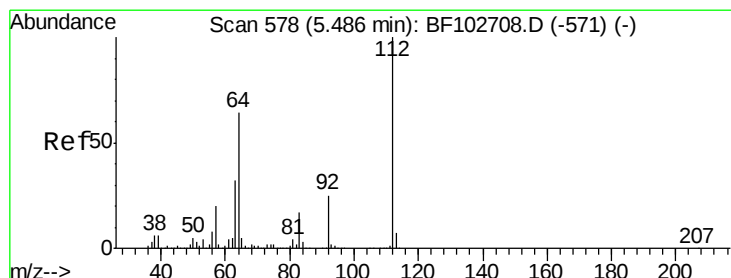
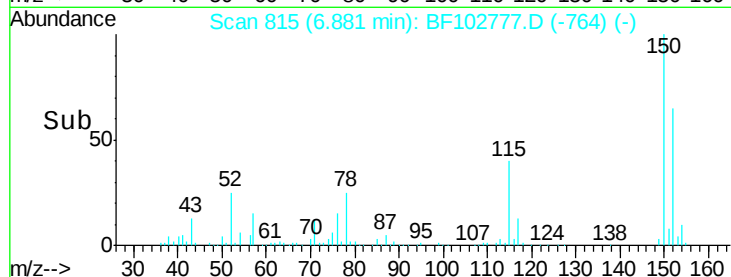
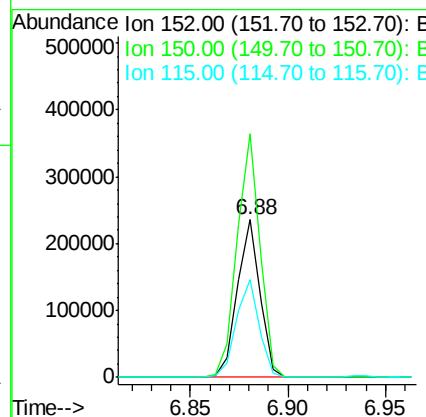
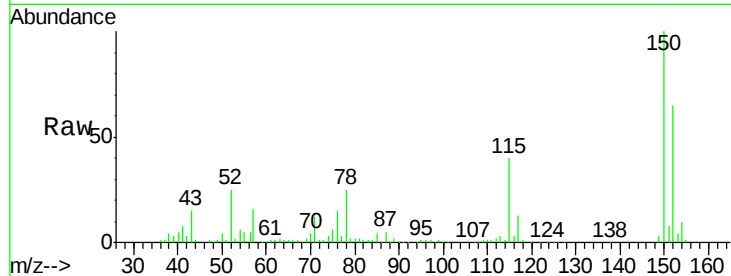
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102777.D
Acq: 6 Feb 2018 12:09

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-WW(1-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.6	186.8
115	61.9	50.1	75.1

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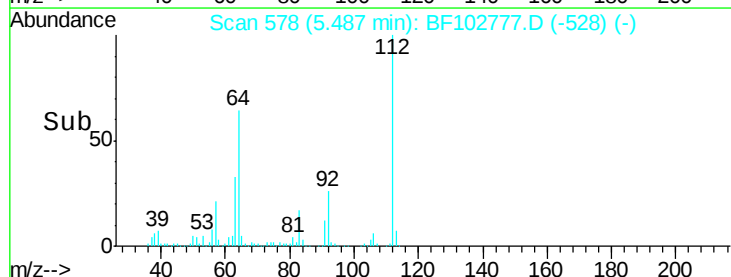
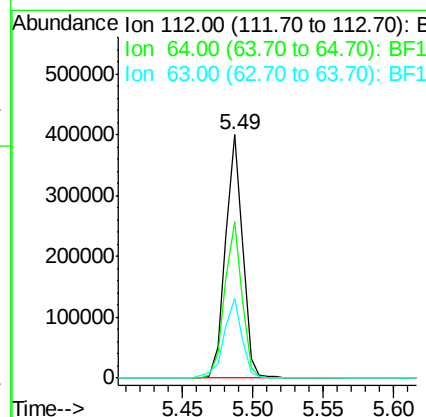
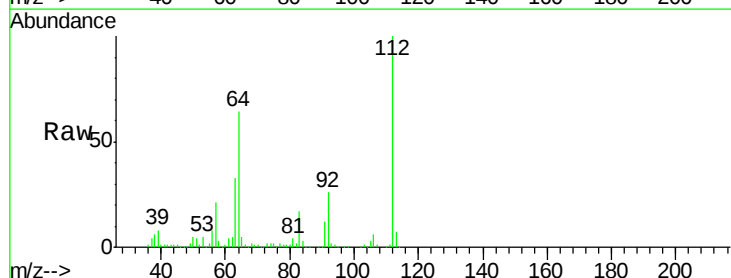
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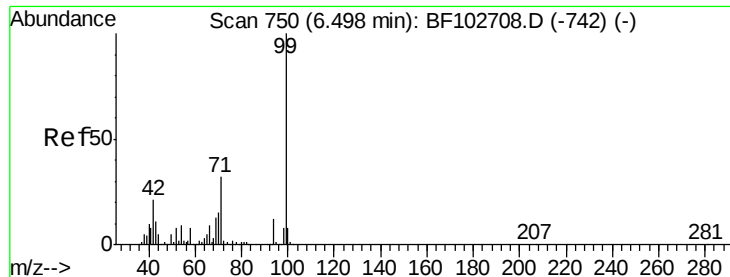


#5

2-Fluorophenol
Concen: 27.085 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF102777.D
Acq: 6 Feb 2018 12:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.3	47.9	71.9
63	32.6	23.7	35.5





#7

Phenol-d6

Concen: 27.017 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF102777.D

Acq: 6 Feb 2018 12:09

Instrument :

BNA_F

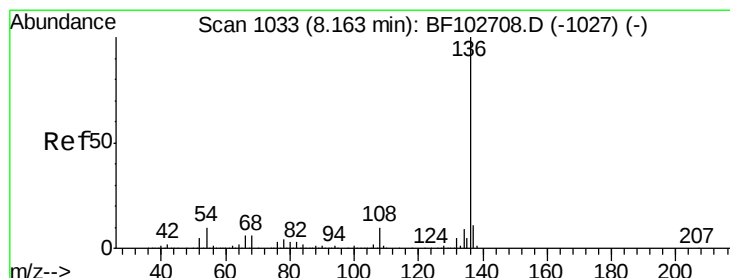
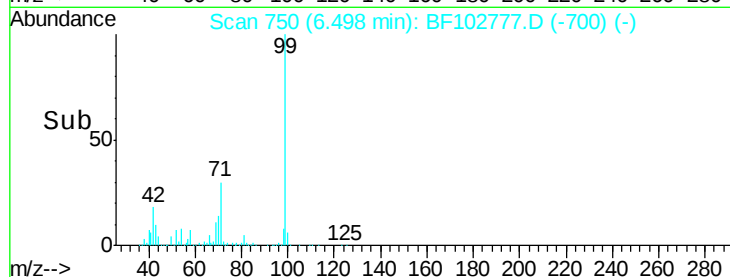
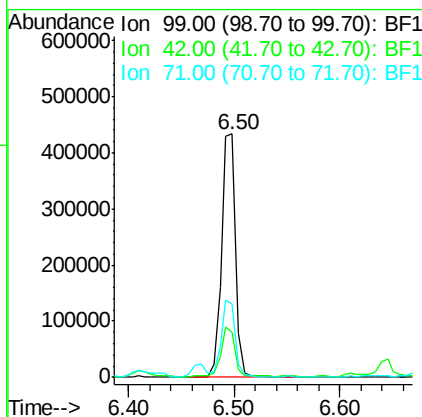
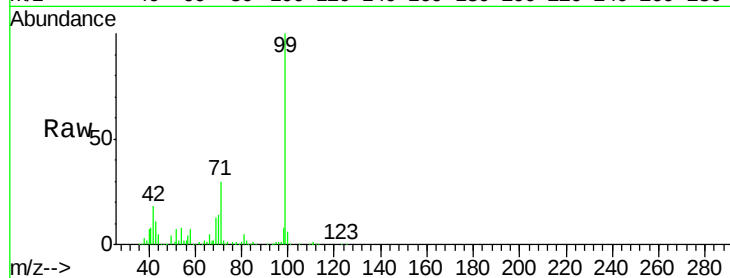
ClientSampleId :

8-SAN-10-WW(1-4)

Tot Ion:	99	Resp:	406326
Ion Ratio	Lower	Upper	
99	100		
42	18.4	14.5	21.7
71	30.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

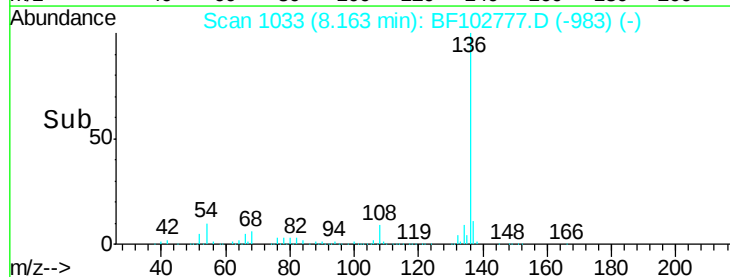
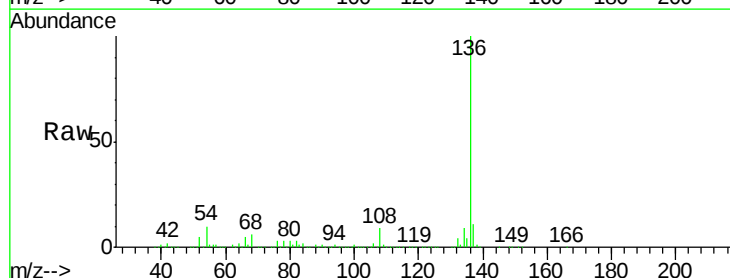
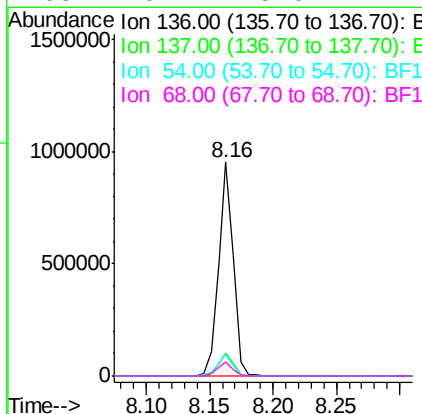
RT: 8.16 min Scan# 1033

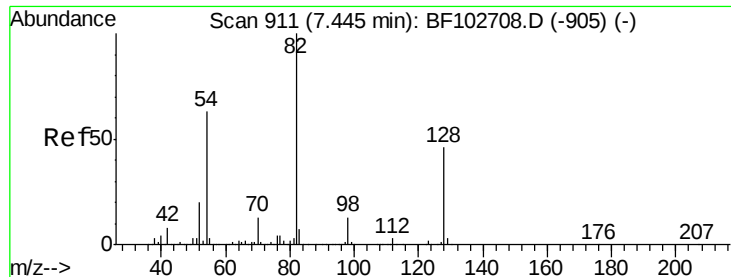
Delta R.T. -0.01 min

Lab File: BF102777.D

Acq: 6 Feb 2018 12:09

Tgt Ion:	136	Resp:	782018
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	10.0	6.6	9.8
68	6.4	5.0	7.4





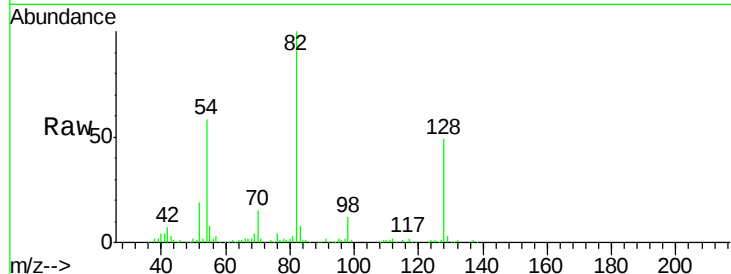
#23
Nitrobenzene-d5
Concen: 20.896 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF102777.D
Acq: 6 Feb 2018 12:09

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-WW(1-4)

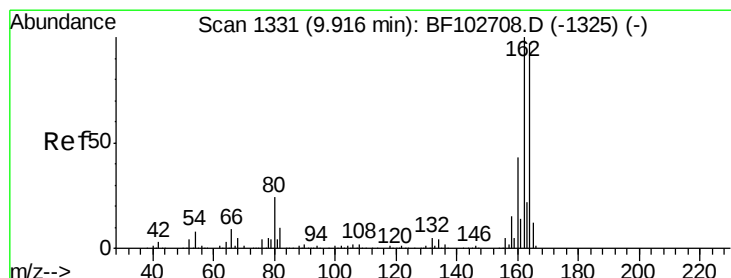
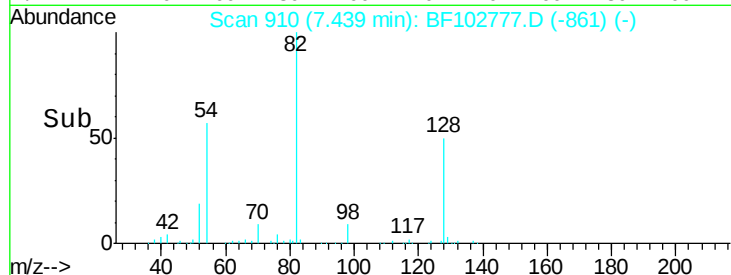
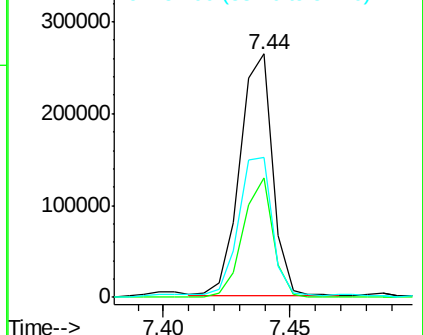
Tot Ion:	82	Resp:	235564
Ion Ratio	Lower	Upper	
82	100		
128	48.8	36.1	54.1
54	57.7	41.4	62.2

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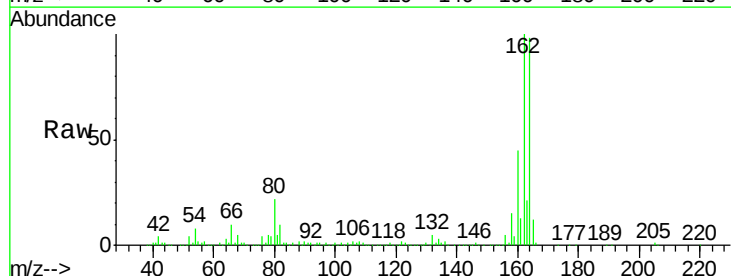


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

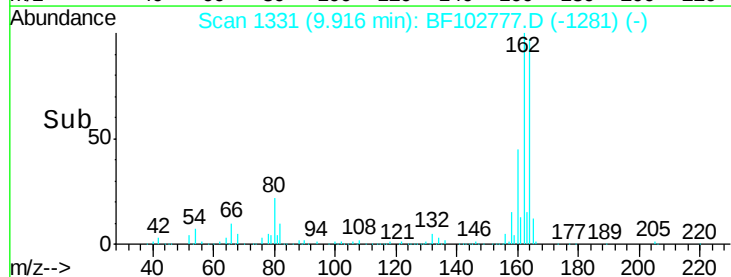
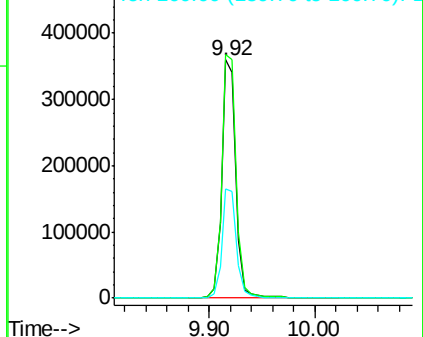


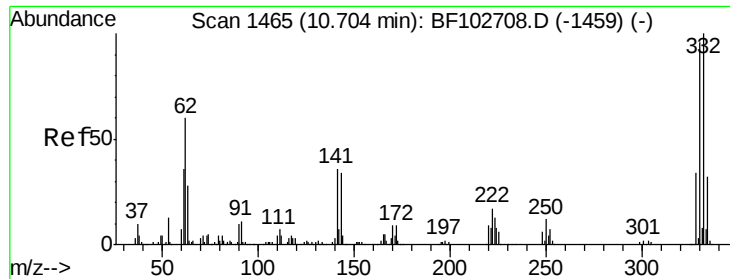
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF102777.D
Acq: 6 Feb 2018 12:09

Tgt Ion:	164	Resp:	337317
Ion Ratio	Lower	Upper	
164	100		
162	102.3	86.1	129.1
160	45.8	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





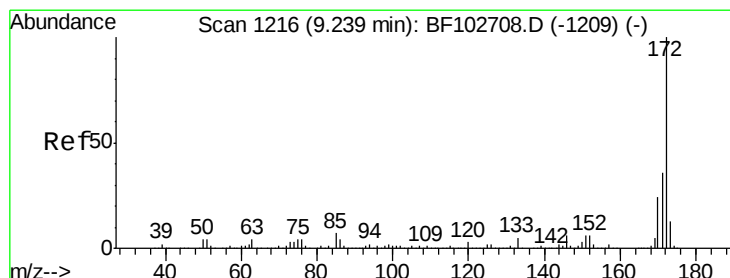
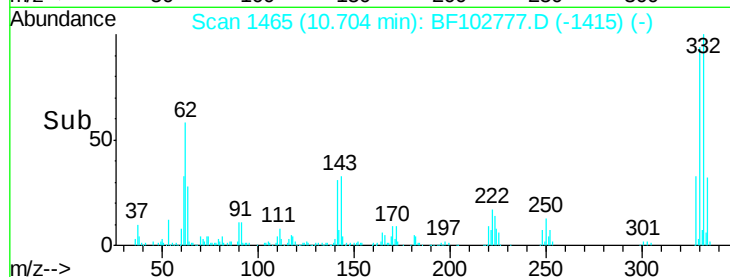
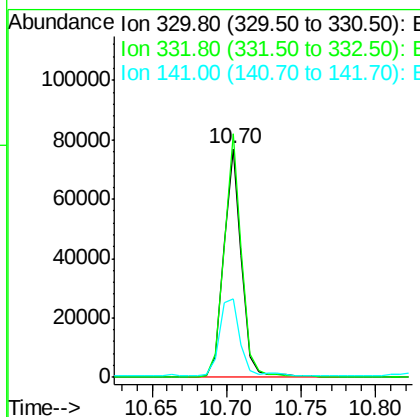
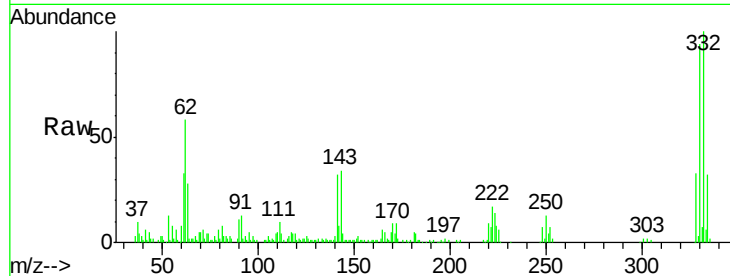
#41
 2,4,6-Tribromophenol
 Concen: 23.958 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF102777.D
 Acq: 6 Feb 2018 12:09

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-10-WW(1-4)

Tot Ion	Ratio	Lower	Upper
330	100		
332	104.3	77.0	115.6
141	38.7	29.9	44.9

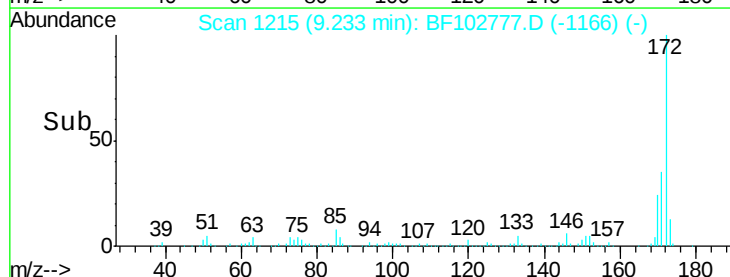
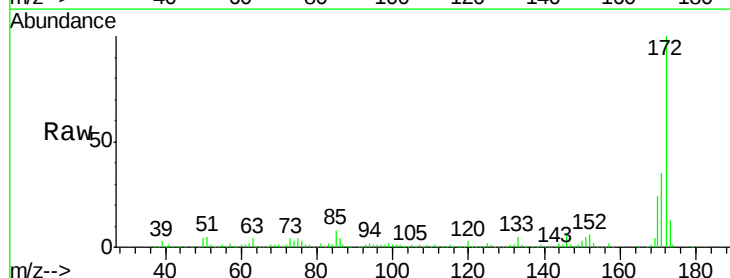
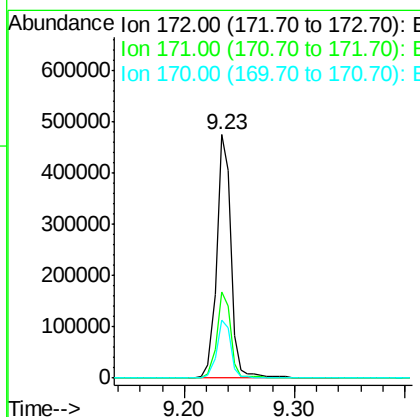
Manual Integrations
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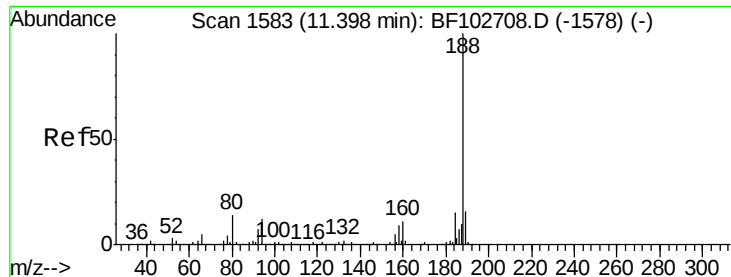
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#44
 2-Fluorobiphenyl
 Concen: 21.060 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF102777.D
 Acq: 6 Feb 2018 12:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	24.0	19.6	29.4





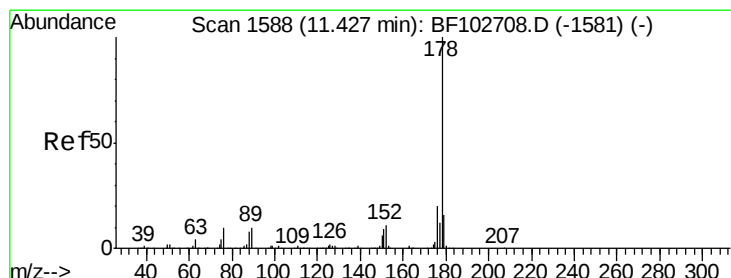
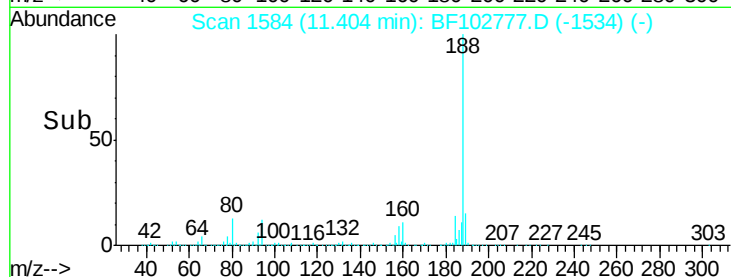
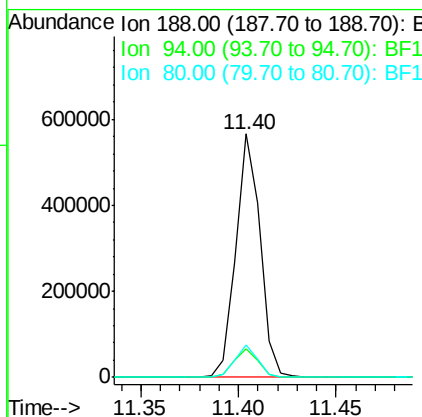
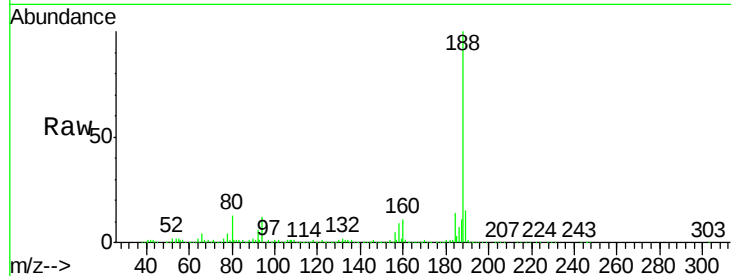
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF102777.D
Acq: 6 Feb 2018 12:09

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-WW(1-4)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.9	8.5	12.7
80	13.1	9.2	13.8

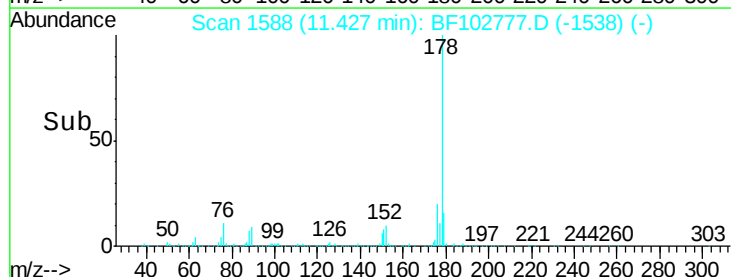
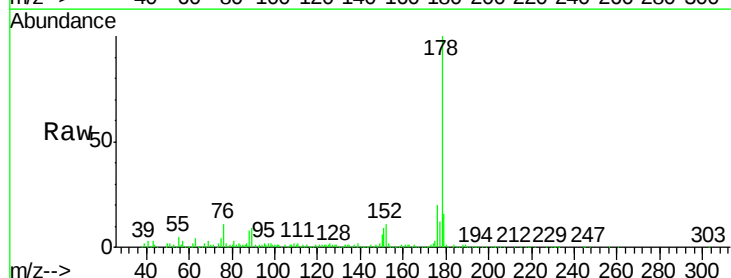
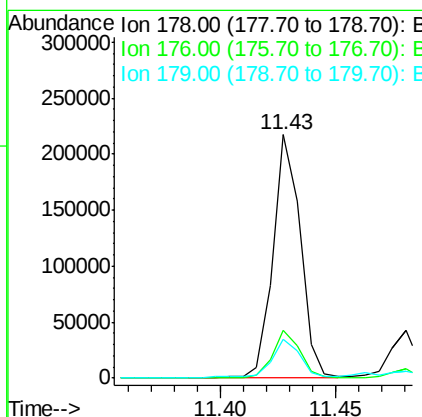
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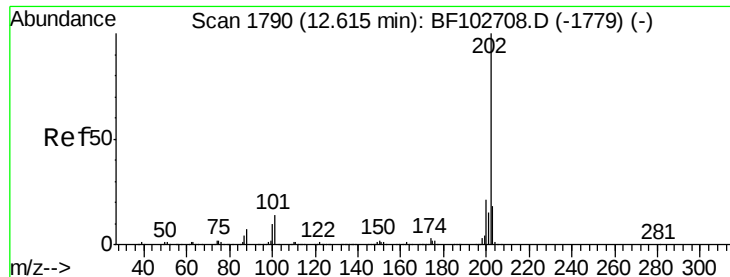
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#70
Phenanthrene
Concen: 6.498 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF102777.D
Acq: 6 Feb 2018 12:09

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.9	13.0	19.6





#74

Fluoranthene

Concen: 6.726 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF102777.D

Acq: 6 Feb 2018 12:09

Instrument :

BNA_F

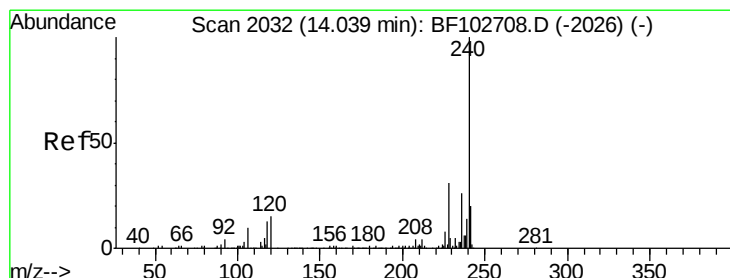
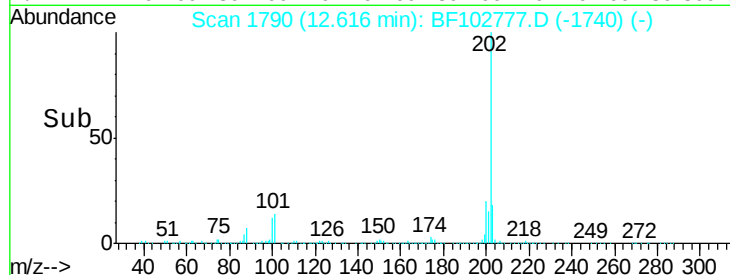
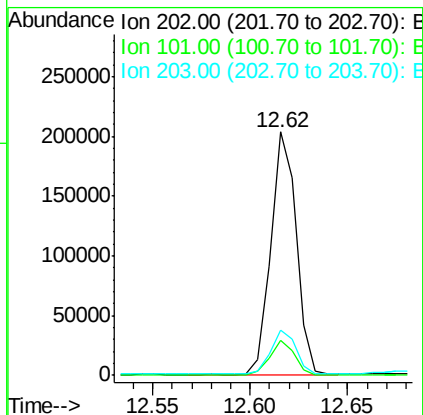
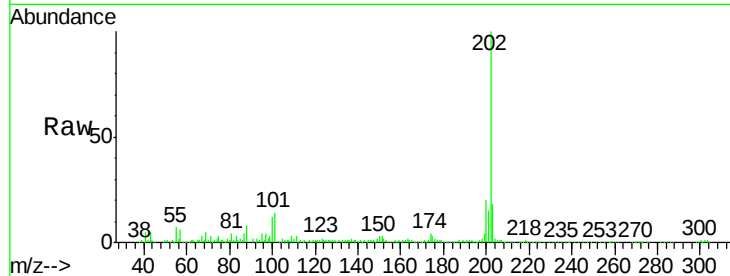
ClientSampleId :

8-SAN-10-WW(1-4)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.1	0.0	34.1
203	18.4	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

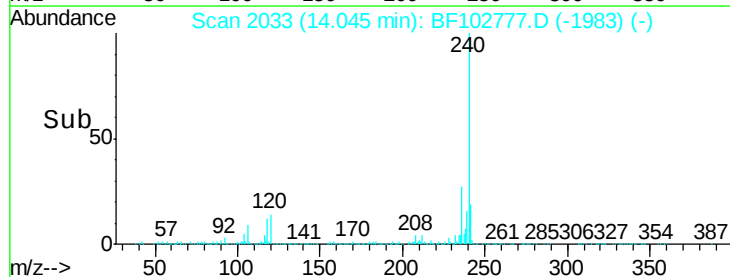
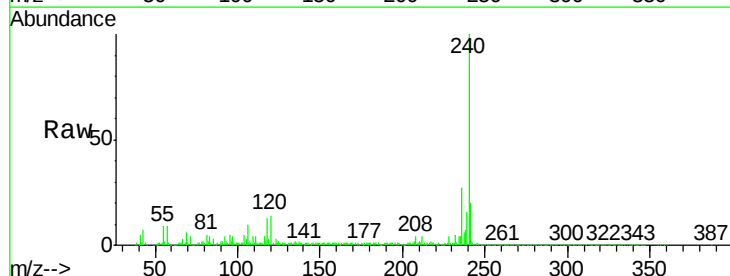
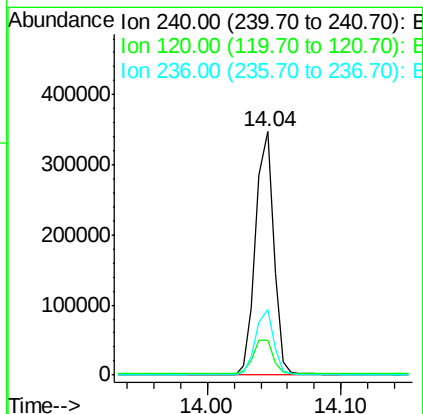
RT: 14.04 min Scan# 2033

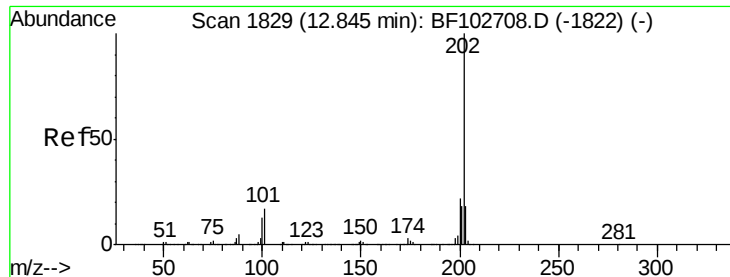
Delta R.T. -0.01 min

Lab File: BF102777.D

Acq: 6 Feb 2018 12:09

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.3	9.5	14.3
236	27.2	20.7	31.1





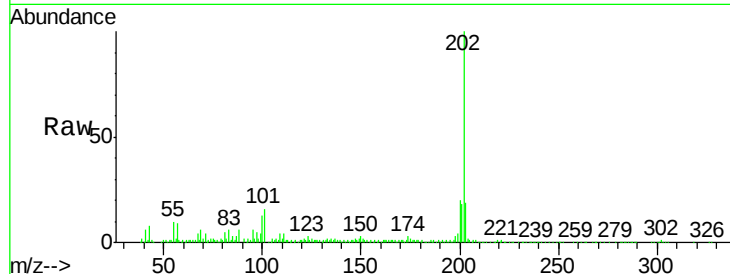
#77
Pvrene
Concen: 5.816 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF102777.D
Acq: 6 Feb 2018 12:09

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-WW(1-4)

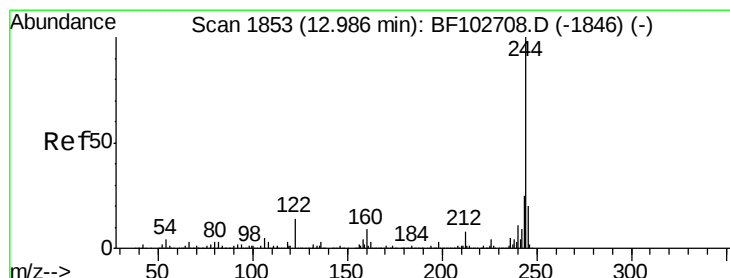
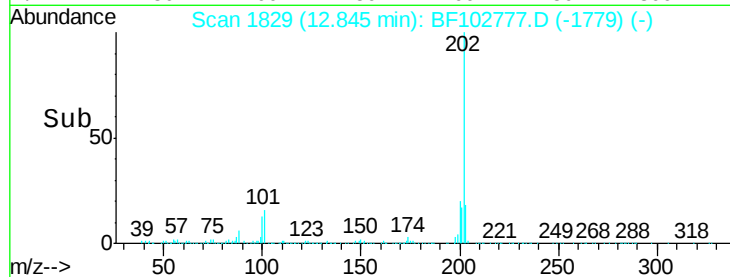
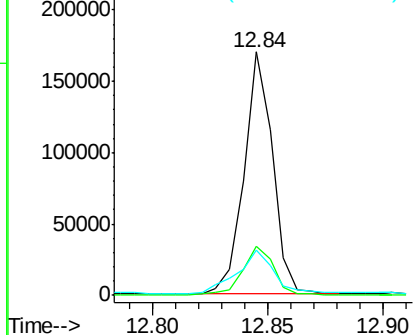
Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.3	17.4	26.2
203	18.5	14.3	21.5

Manual Integrations
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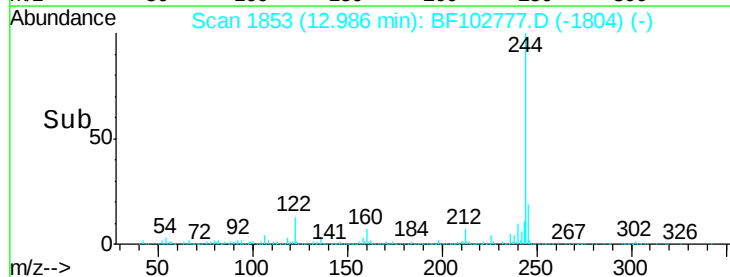
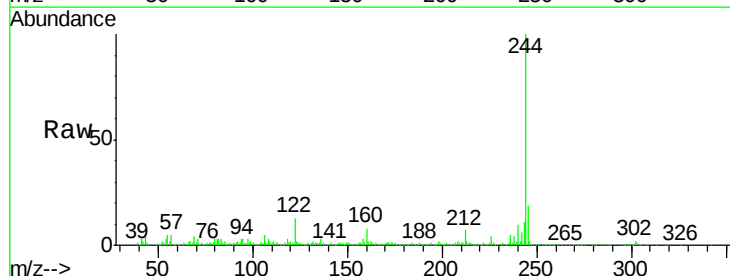
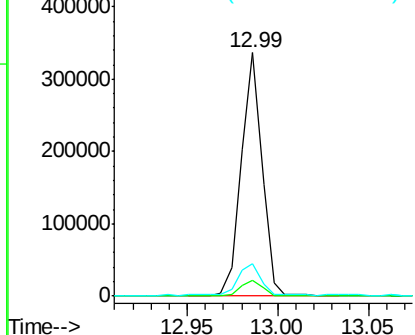
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

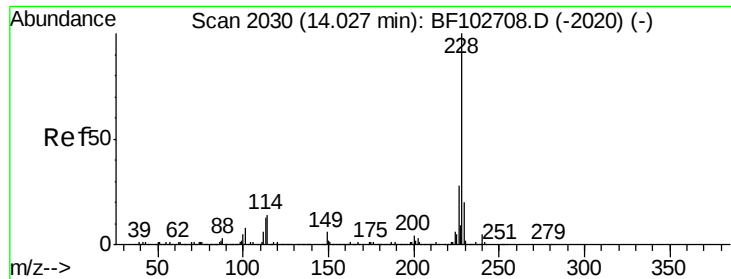


#78
Terphenyl-d14
Concen: 19.736 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF102777.D
Acq: 6 Feb 2018 12:09

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	5.4	8.0
122	13.4	11.0	16.4

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





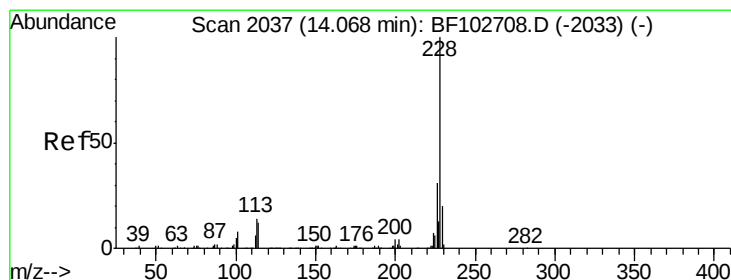
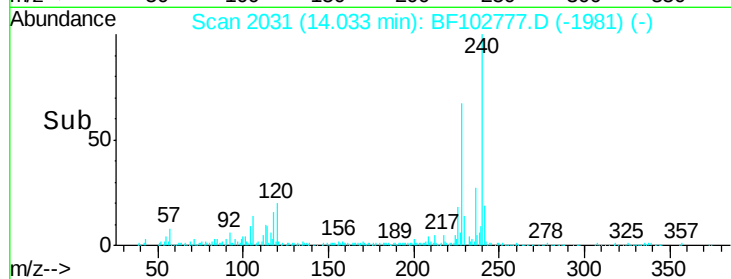
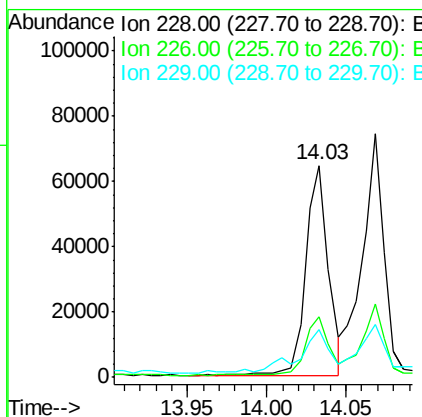
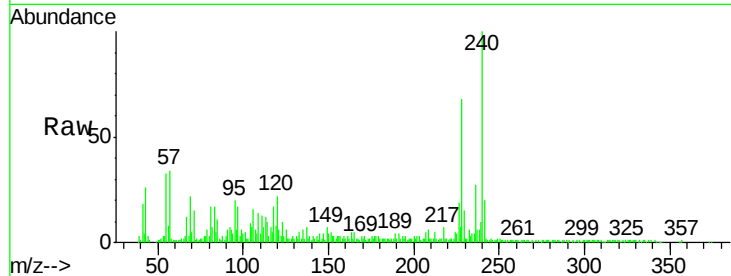
#80
Benzo(a)anthracene
Concen: 3.174 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF102777.D
Acq: 6 Feb 2018 12:09

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-WW(1-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	22.2	15.8	23.6

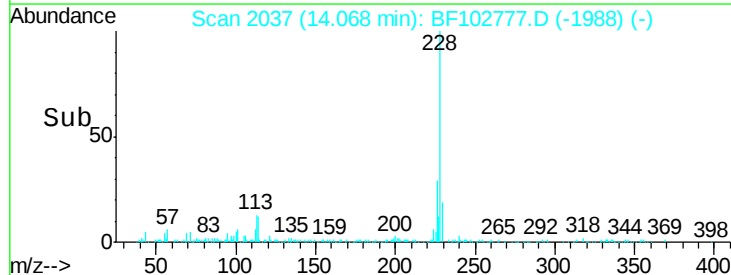
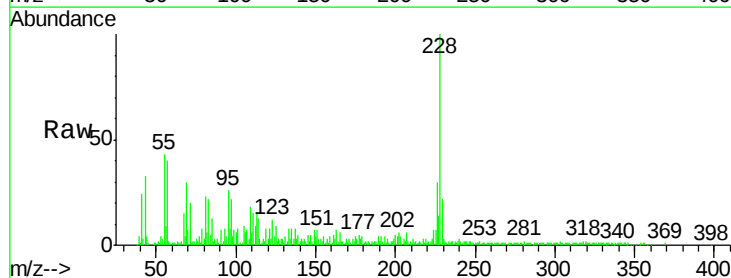
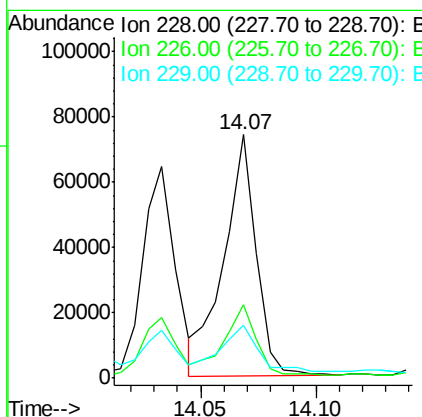
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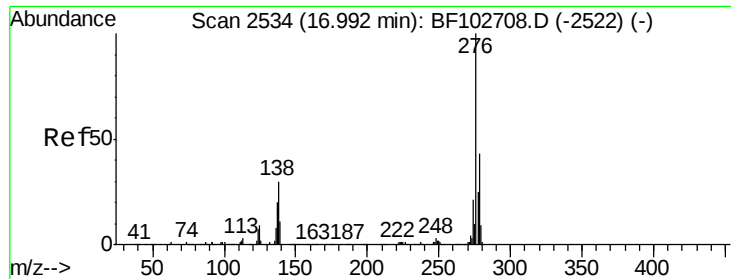
Sohil
2/7/2018 4:16:10 PM



#82
Chrysene
Concen: 3.524 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF102777.D
Acq: 6 Feb 2018 12:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	21.9	16.2	24.4





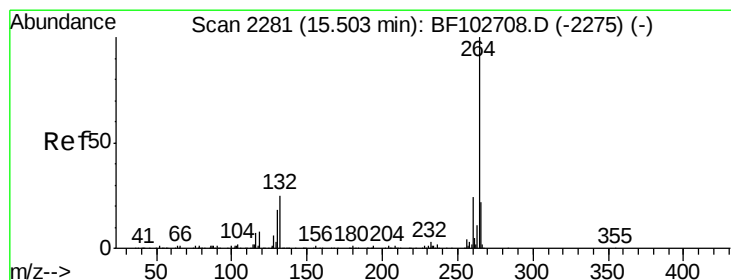
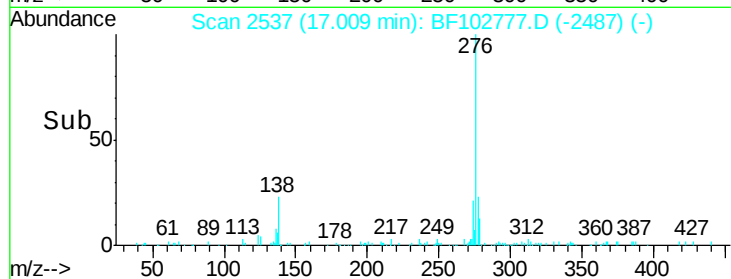
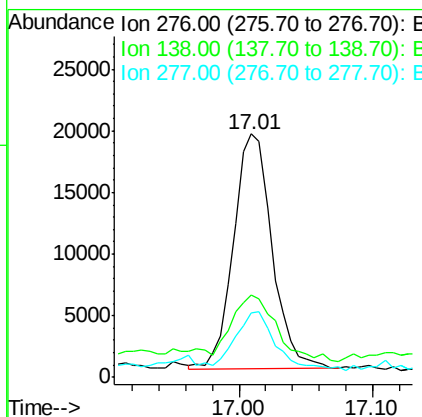
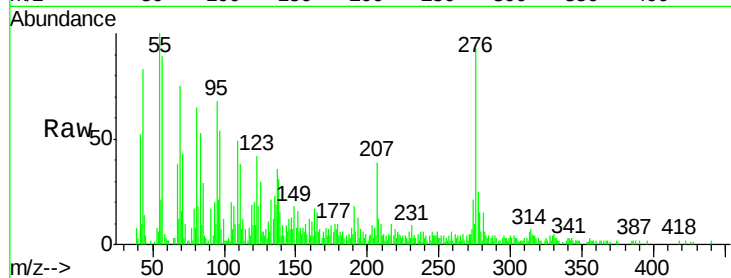
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.230 ng
RT: 17.01 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF102777.D
Acq: 6 Feb 2018 12:09

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-WW(1-4)

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.6	25.0	37.6
277	26.5	20.1	30.1

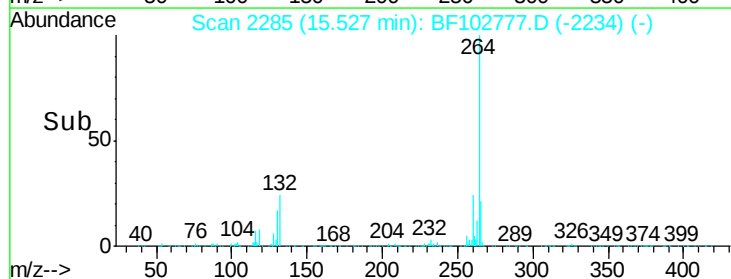
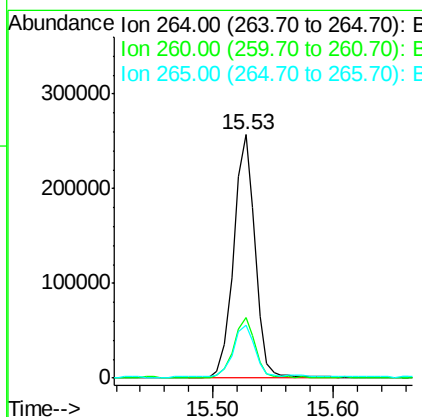
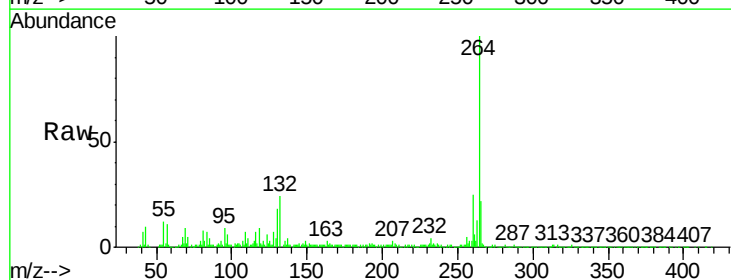
Manual Integrations
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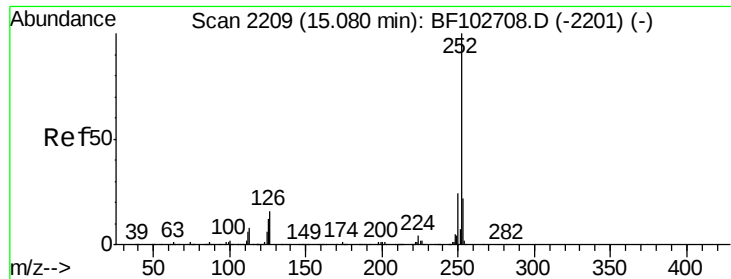
Sohil
2/7/2018 4:16:10 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.00 min
Lab File: BF102777.D
Acq: 6 Feb 2018 12:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	21.7	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 4.353 ng m

RT: 15.09 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BF102777.D

Acq: 6 Feb 2018 12:09

Instrument :

BNA_F

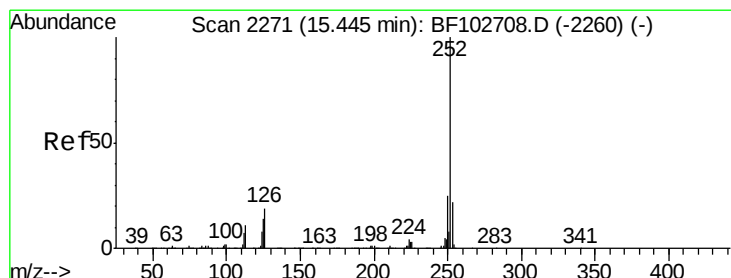
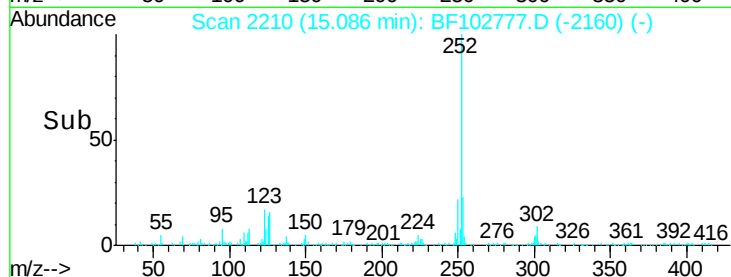
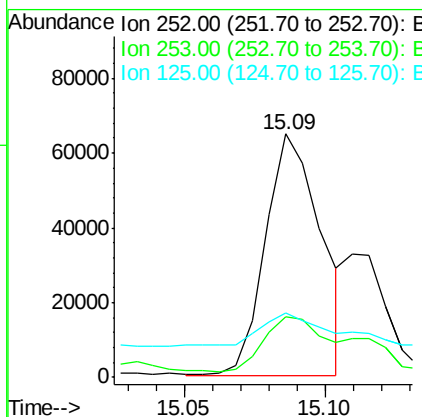
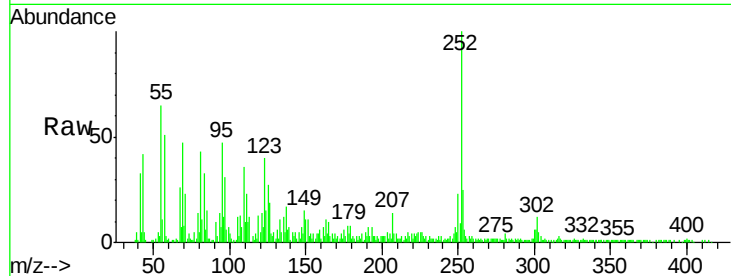
ClientSampleId :

8-SAN-10-WW(1-4)

Tot Ion:	252	Resp:	88900
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.0	25.6
125	26.6	9.0	13.6#

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 3.050 ng

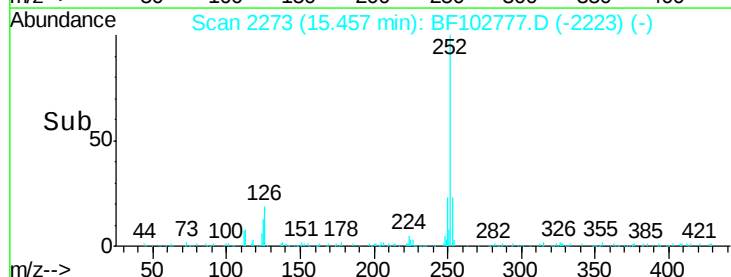
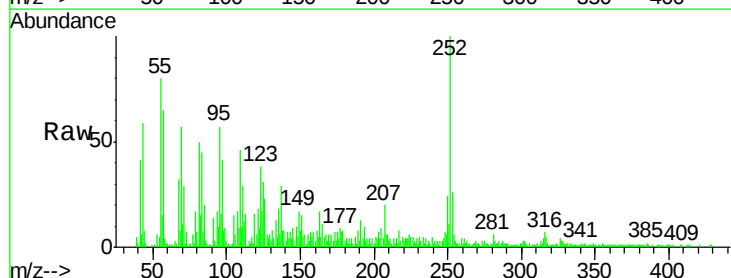
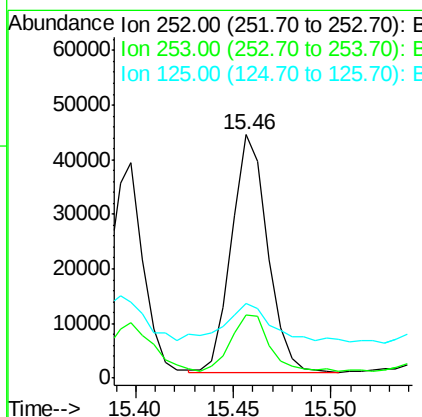
RT: 15.46 min Scan# 2273

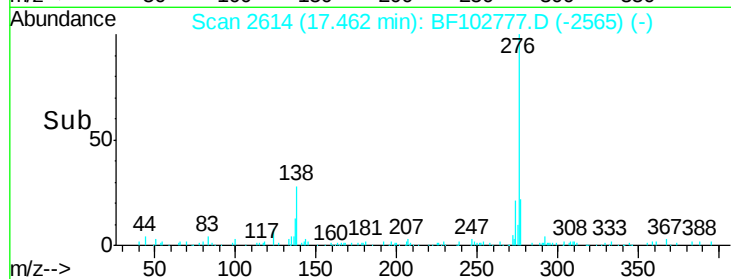
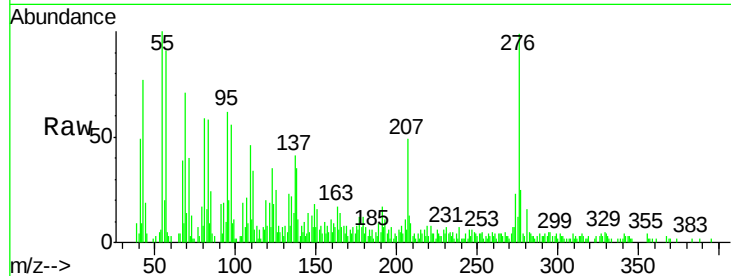
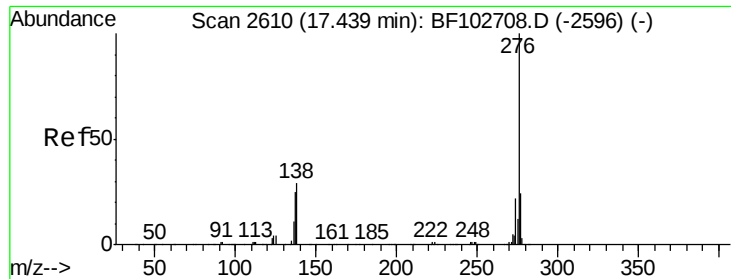
Delta R.T. -0.01 min

Lab File: BF102777.D

Acq: 6 Feb 2018 12:09

Tgt Ion:	252	Resp:	56058
Ion Ratio	Lower	Upper	
252	100		
253	26.2	17.1	25.7#
125	30.5	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 2.570 ng
 RT: 17.46 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BF102777.D
 Acq: 6 Feb 2018 12:09

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-10-WW(1-4)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	35.3	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 2/7/2018 4:16:10 PM

