

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
 Data File : BF101713.D
 Acq On : 26 Dec 2017 14:12
 Operator : SJ/JU
 Sample : I6839-03DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-41446854-01DL

Manual Integrations
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Quant Time: Dec 26 15:17:22 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	146435	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	553674	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	232185	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	384271	20.00	ng	0.00
75) Chrysene-d12	13.97	240	300611	20.00	ng	0.00
86) Perylene-d12	15.43	264	281441	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	284395	28.93	ng	0.01
7) Phenol-d6	6.43	99	323110	26.41	ng	0.00
23) Nitrobenzene-d5	7.36	82	222440	22.36	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	67958	30.38	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	428192	28.61	ng	0.00
78) Terphenyl-d14	12.89	244	338450	27.14	ng	0.00
Target Compounds						
10) Phenol	6.45	94	523068	37.510	ng	99
17) 2-Methylphenol	7.05	107	111666	11.739	ng	98
20) 3+4-Methylphenols	7.21	107	360153	35.729	ng	87
27) 2,4-Dimethylphenol	7.75	122	65849	8.196	ng	96
31) Naphthalene	8.10	128	2126894	76.304	ng	99
37) 2-Methylnaphthalene	8.79	142	68163	3.753	ng	98
54) Dibenzofuran	10.03	168	41184	2.168	ng	99
70) Phenanthrene	11.34	178	43751	2.047	ng	98
72) Carbazole	11.56	167	138270	6.766	ng	99

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

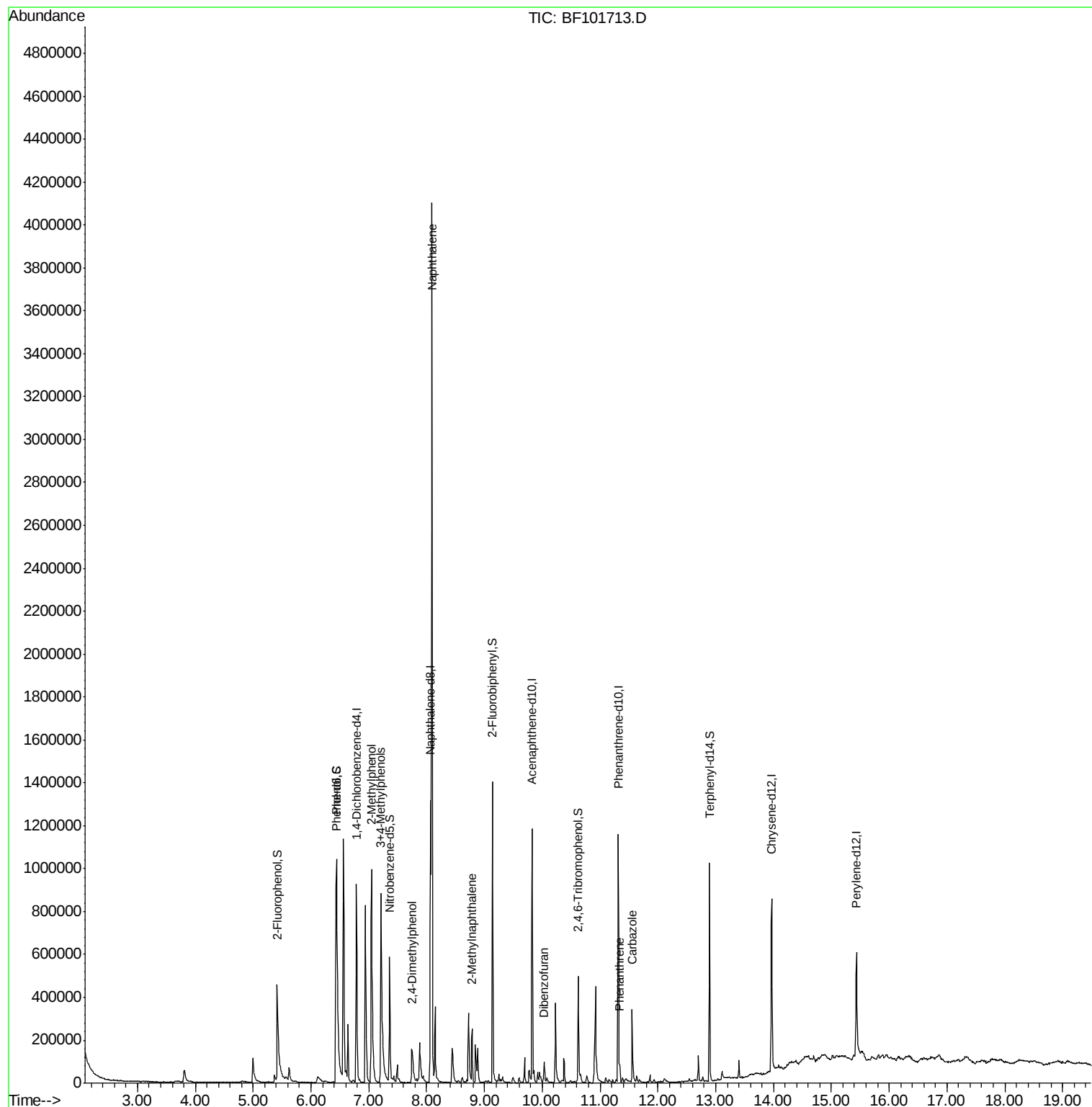
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101713.D
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Operator : SJ/JU
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Misc :
ALS Vial : 12 Sample Multiplier: 1

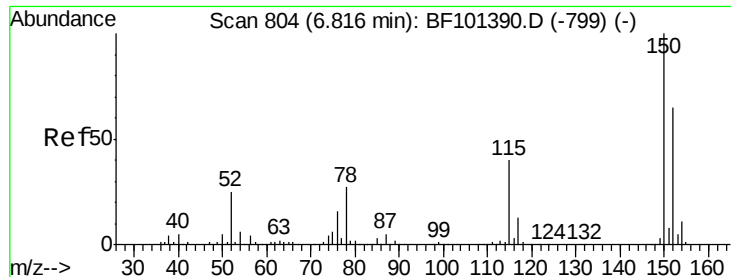
Instrument :
BNA_F
ClientSampleId :
WC-41446854-01DL

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Quant Time: Dec 26 15:17:22 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 26 10:48:01 2017
Response via : Initial Calibration





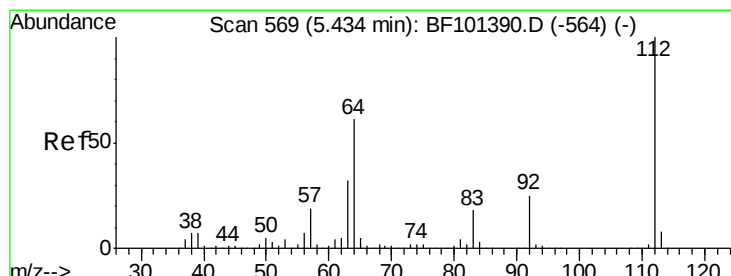
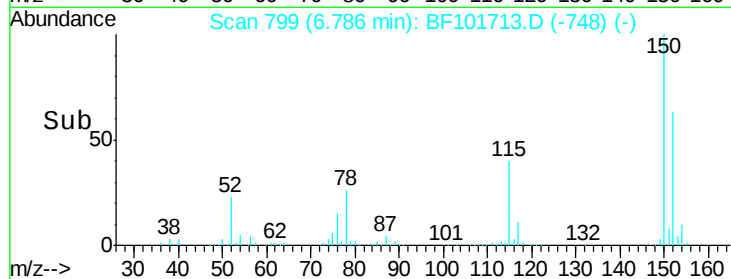
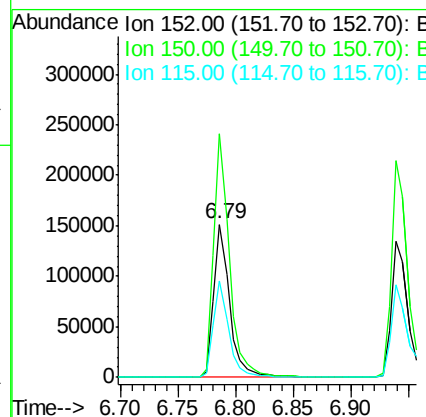
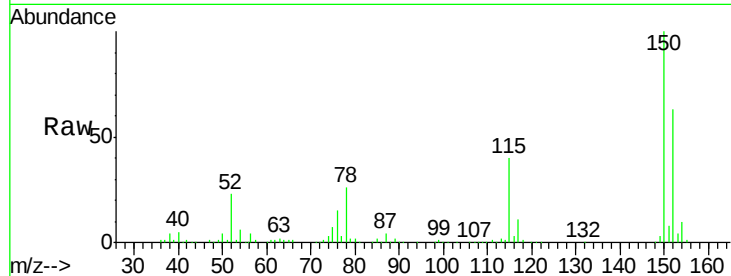
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF101713.D
 Acq: 26 Dec 2017 14:12

Instrument :
 BNA_F
 ClientSampleId :
 WC-41446854-01DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.6	186.8
115	63.2	50.1	75.1

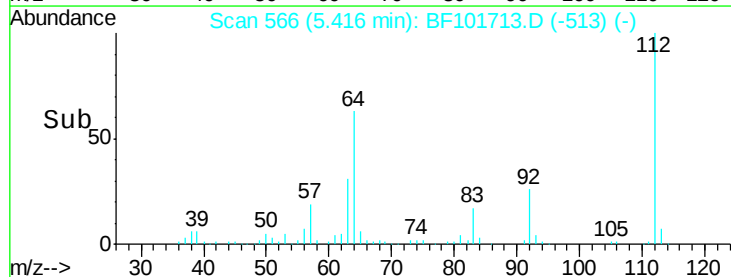
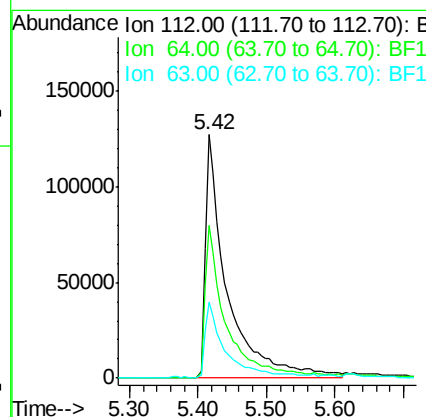
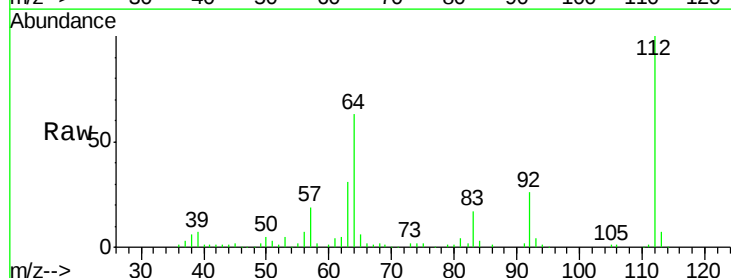
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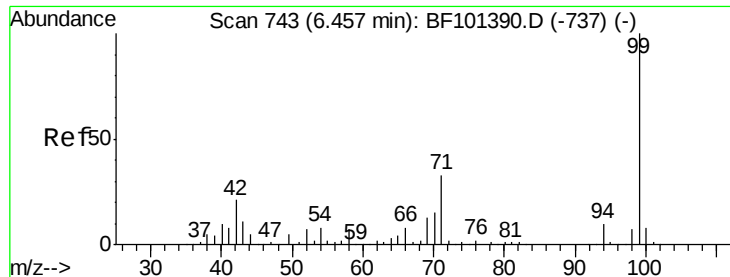
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#5
 2-Fluorophenol
 Concen: 28.929 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: BF101713.D
 Acq: 26 Dec 2017 14:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.6	47.9	71.9
63	31.4	23.7	35.5





#7

Phenol-d6

Concen: 26.410 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101713.D

Acq: 26 Dec 2017 14:12

Instrument :

BNA_F

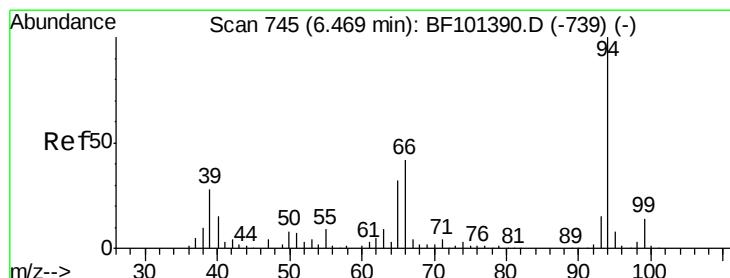
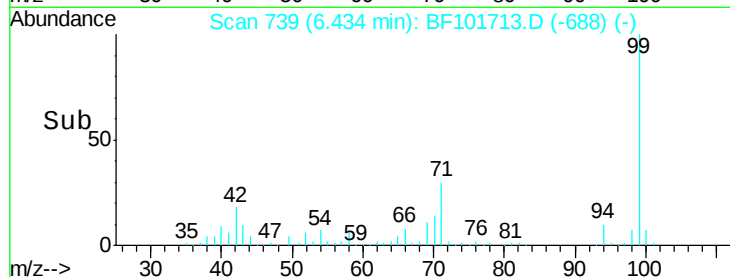
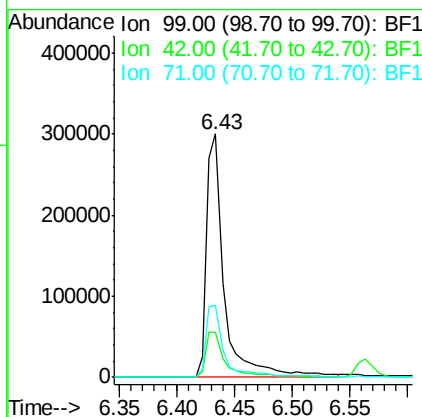
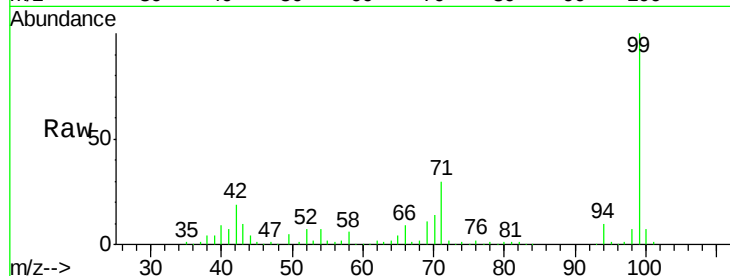
ClientSampleId :

WC-41446854-01DL

Tgt Ion:	99	Resp:	323110
Ion	Ratio	Lower	Upper
99	100		
42	18.5	14.5	21.7
71	29.7	25.4	38.0

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#10

Phenol

Concen: 37.510 ng

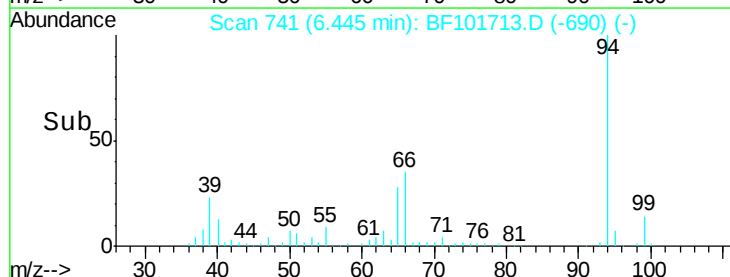
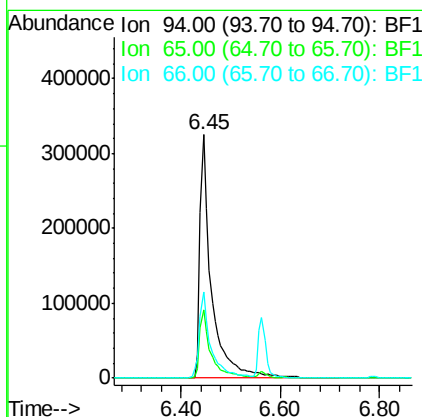
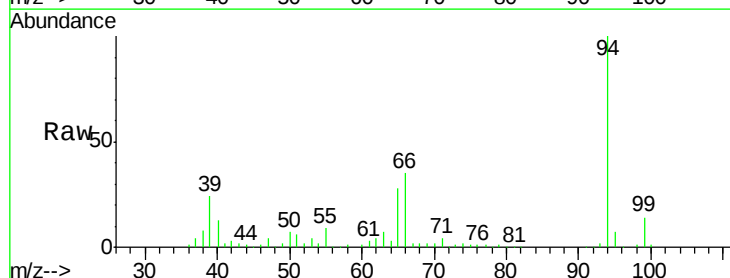
RT: 6.45 min Scan# 741

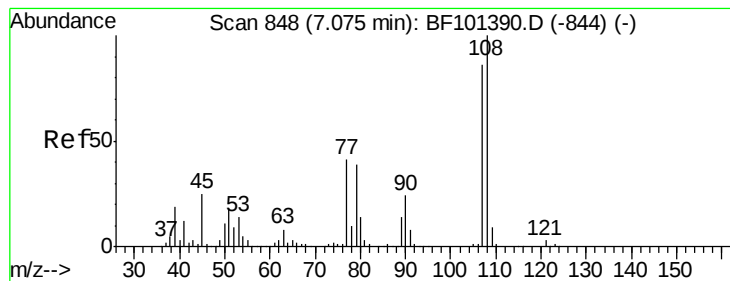
Delta R.T. -0.00 min

Lab File: BF101713.D

Acq: 26 Dec 2017 14:12

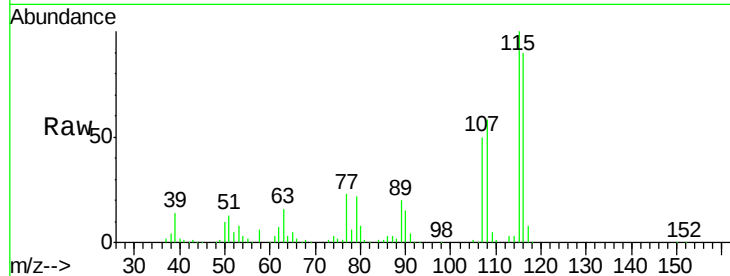
Tgt Ion:	94	Resp:	523068
Ion	Ratio	Lower	Upper
94	100		
65	28.0	7.9	47.9
66	35.3	16.2	56.2





#17
2-Methylphenol
Concen: 11.739 ng
RT: 7.05 min Scan# 844
Delta R.T. -0.00 min
Lab File: BF101713.D
Acq: 26 Dec 2017 14:12

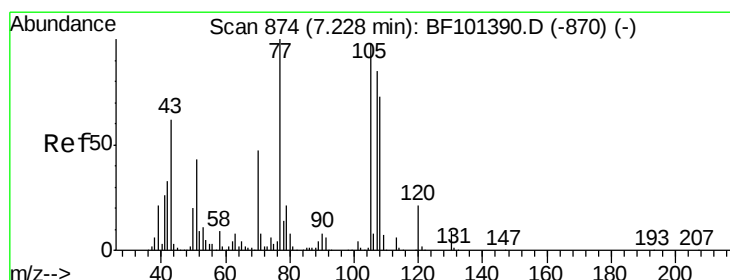
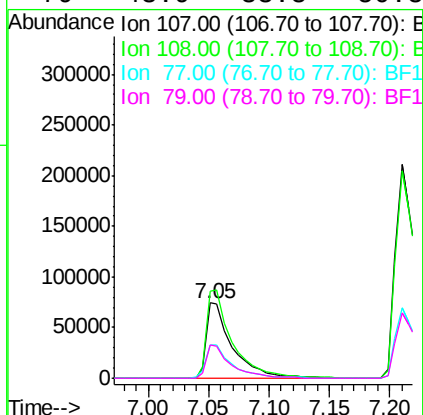
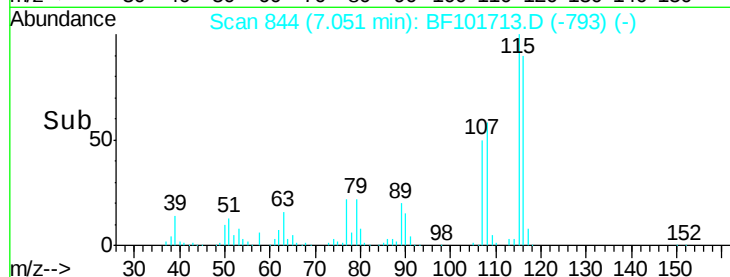
Instrument :
BNA_F
ClientSampleId :
WC-41446854-01DL



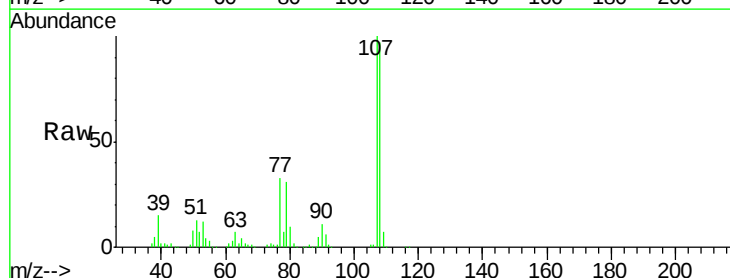
Tgt Ion	Ratio	Resp	Lower	Upper
107	100	111666		
108	115.4	91.7	137.5	
77	44.8	33.8	50.8	
79	43.9	33.8	50.8	

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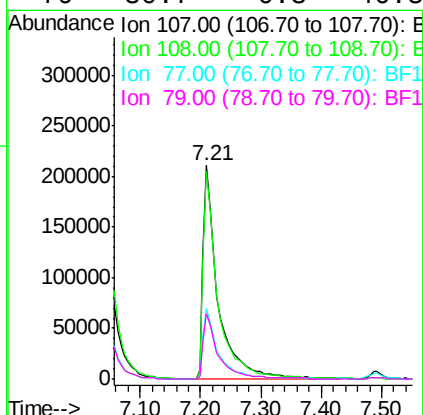
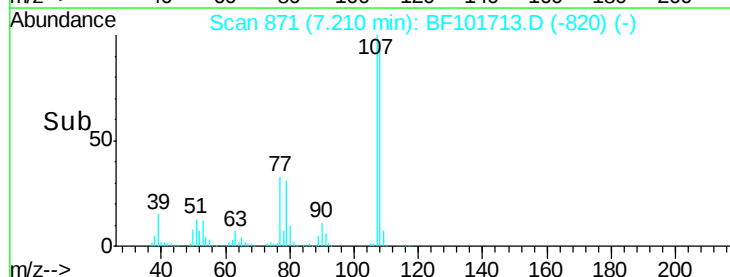
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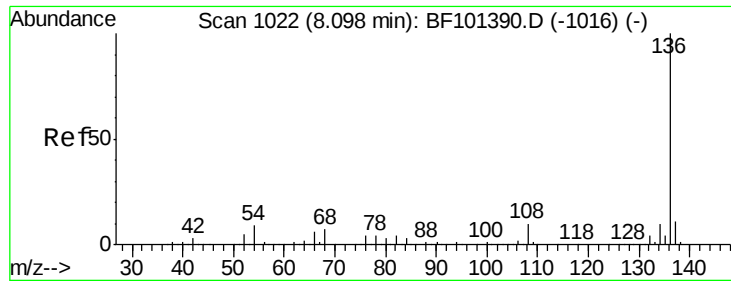


#20
3+4-Methylphenols
Concen: 35.729 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.00 min
Lab File: BF101713.D
Acq: 26 Dec 2017 14:12



Tgt Ion	Ratio	Resp	Lower	Upper
107	100	360153		
108	97.3	68.2	108.2	
77	32.7	26.7	66.7	
79	30.7	6.3	46.3	





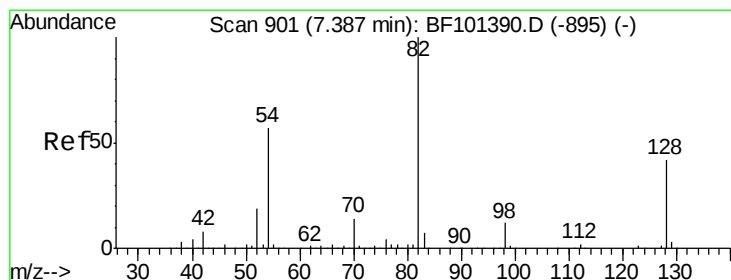
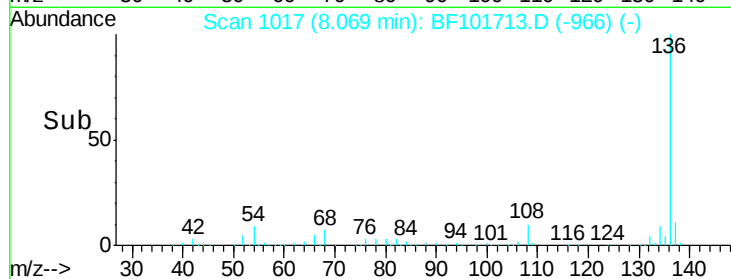
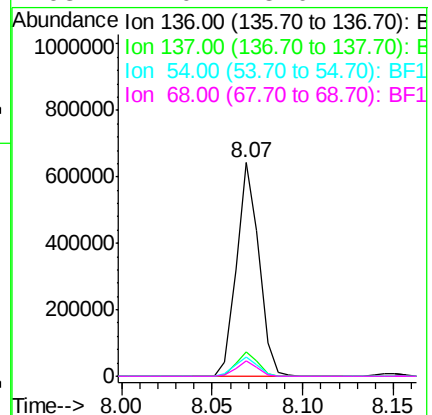
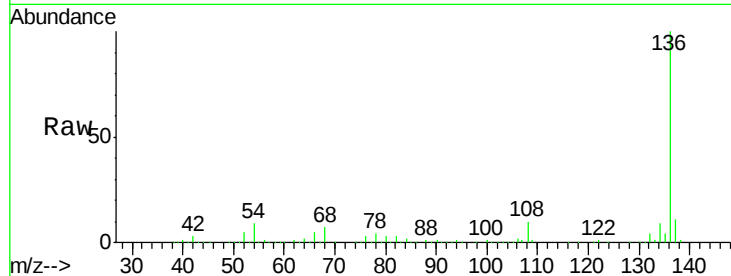
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BF101713.D
Acq: 26 Dec 2017 14:12

Instrument :
BNA_F
ClientSampleId :
WC-41446854-01DL

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	553674		
137	11.2	8.9	13.3	
54	9.1	6.6	9.8	
68	7.0	5.0	7.4	

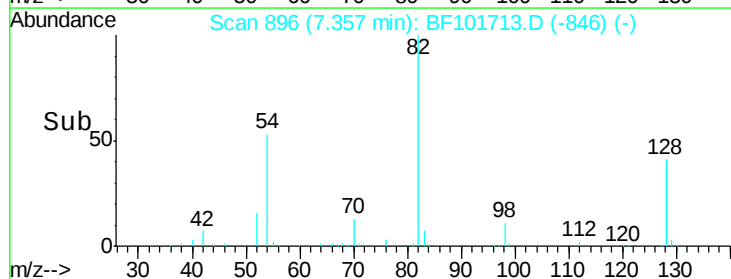
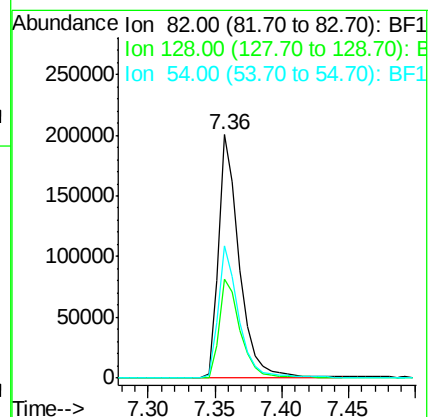
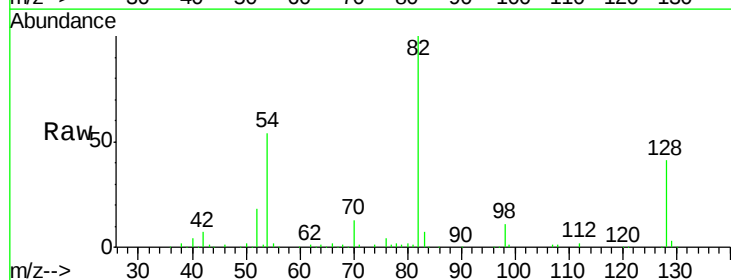
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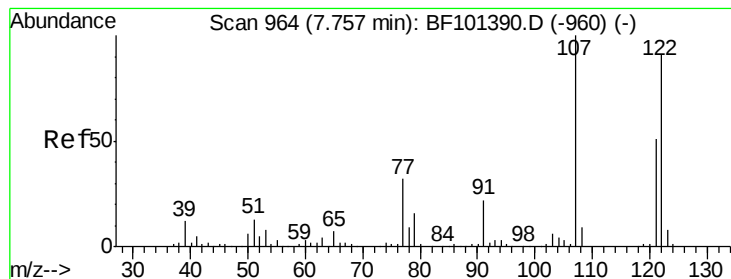
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#23
Nitrobenzene-d5
Concen: 22.364 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101713.D
Acq: 26 Dec 2017 14:12

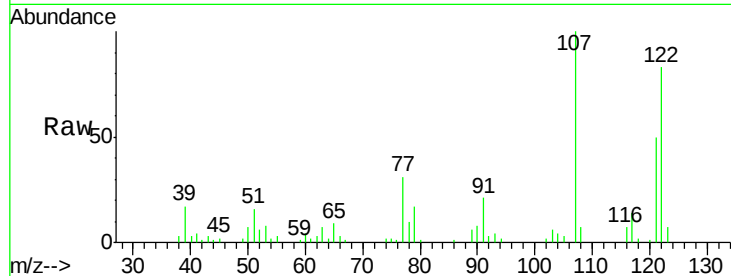
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	222440		
128	40.6	36.1	54.1	
54	54.3	41.4	62.2	





#27
2,4-Dimethylphenol
Concen: 8.196 ng
RT: 7.75 min Scan# 962
Delta R.T. 0.01 min
Lab File: BF101713.D
Acq: 26 Dec 2017 14:12

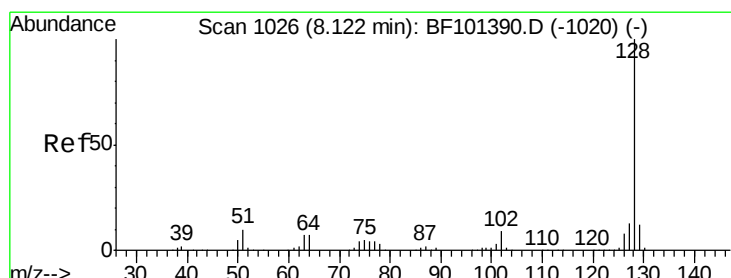
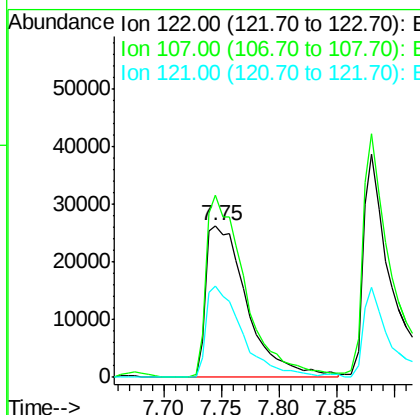
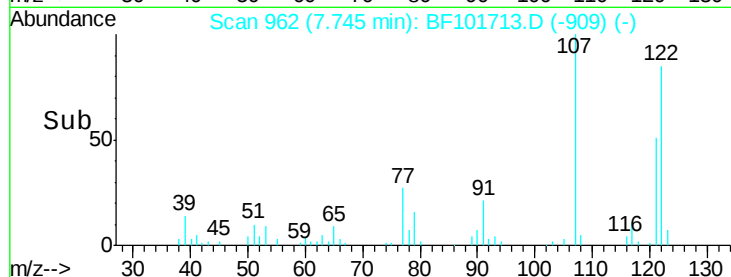
Instrument :
BNA_F
ClientSampleId :
WC-41446854-01DL



Tgt Ion:122 Resp: 65849
Ion Ratio Lower Upper
122 100
107 120.3 91.2 136.8
121 60.4 47.2 70.8

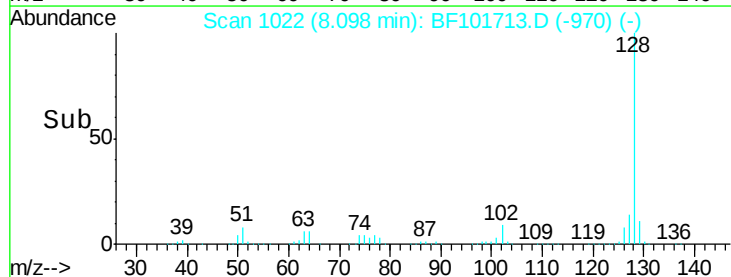
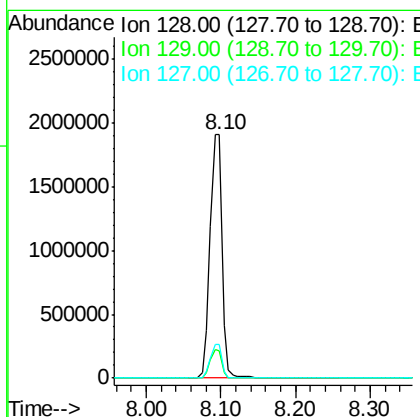
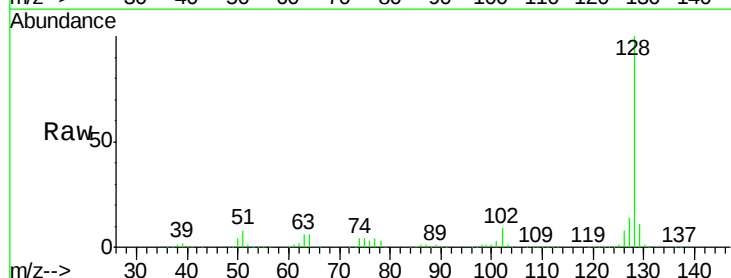
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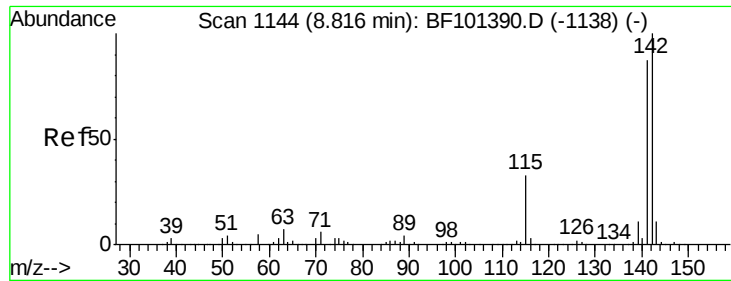
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#31
Naphthalene
Concen: 76.304 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.01 min
Lab File: BF101713.D
Acq: 26 Dec 2017 14:12

Tgt Ion:128 Resp: 2126894
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.9 10.9 16.3





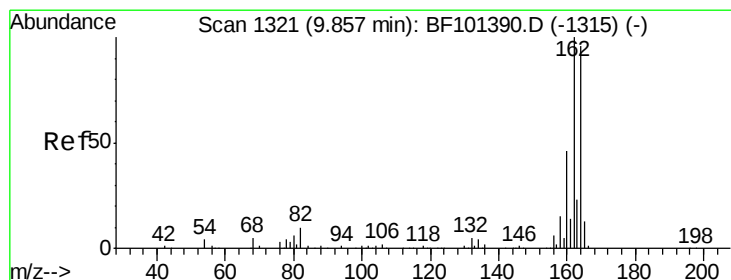
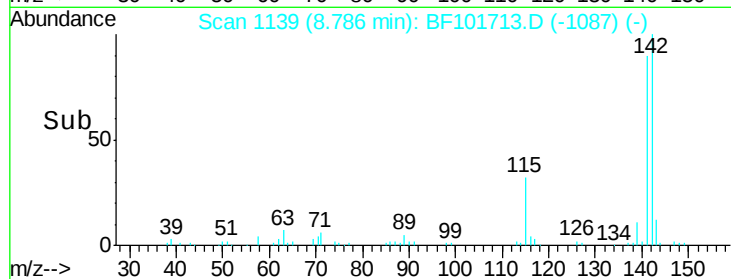
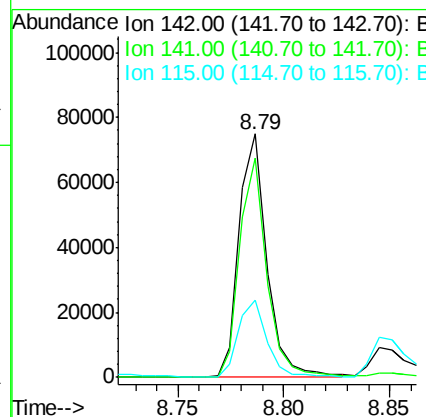
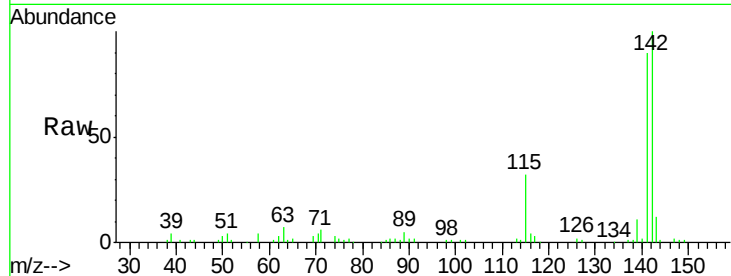
#37
2-Methylnaphthalene
Concen: 3.753 ng
RT: 8.79 min Scan# 1139
Delta R.T. 0.01 min
Lab File: BF101713.D
Acq: 26 Dec 2017 14:12

Instrument :
BNA_F
ClientSampleId :
WC-41446854-01DL

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.8	106.2
115	31.6	26.1	39.1

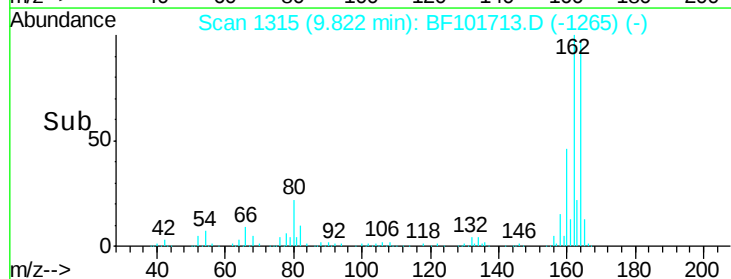
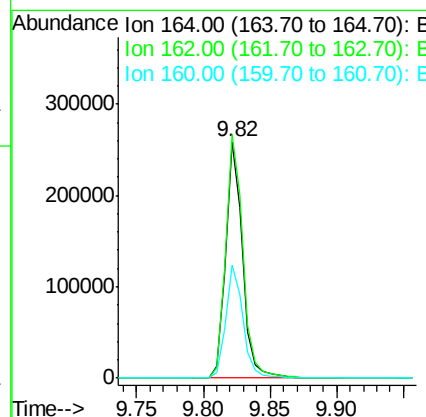
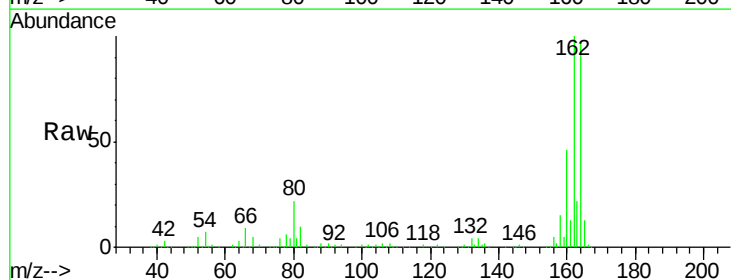
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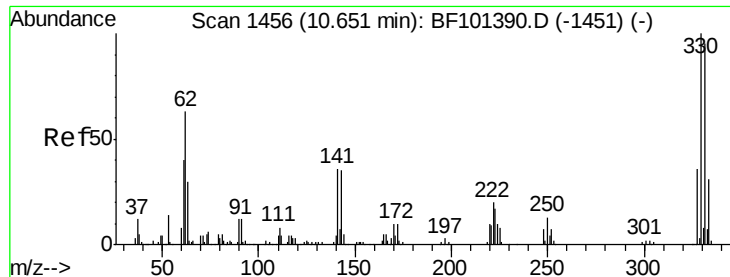
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF101713.D
Acq: 26 Dec 2017 14:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	86.1	129.1
160	47.8	38.3	57.5





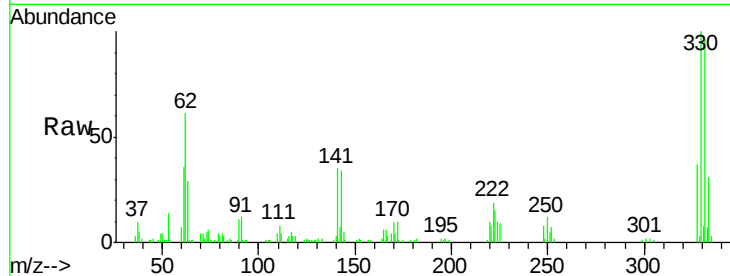
#41
 2,4,6-Tribromophenol
 Concen: 30.375 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.00 min
 Lab File: BF101713.D
 Acq: 26 Dec 2017 14:12

Instrument :
 BNA_F
 ClientSampleId :
 WC-41446854-01DL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	35.5	29.9	44.9

Manual Integrations
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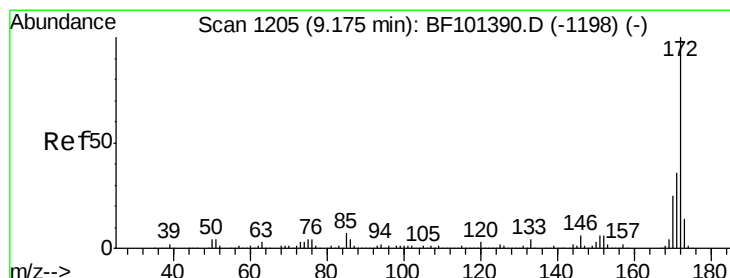
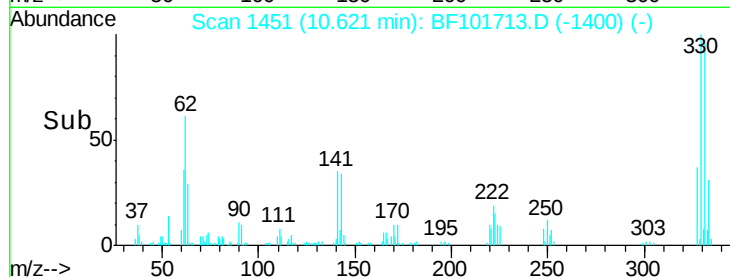
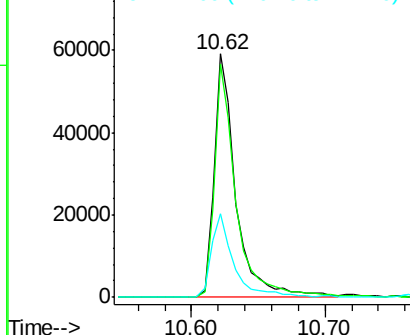


Abundance

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: 28.608 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF101713.D
 Acq: 26 Dec 2017 14:12

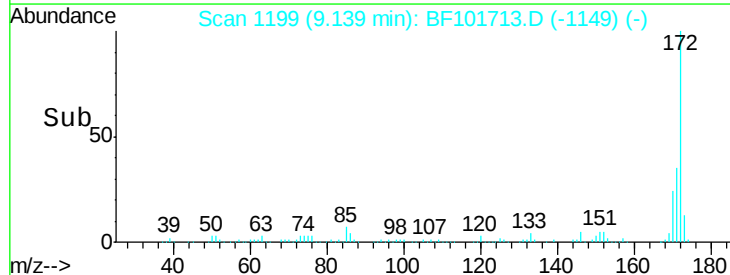
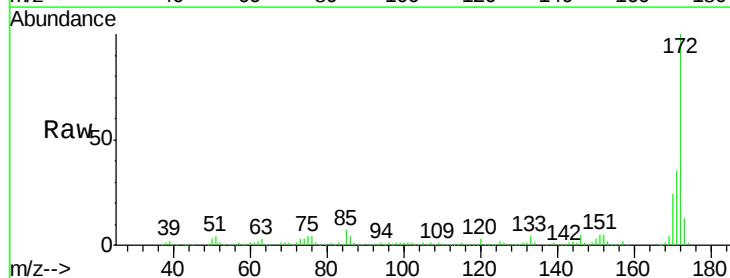
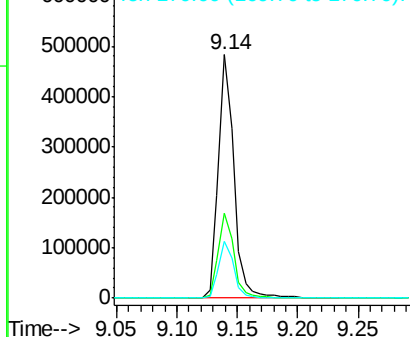
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.7	44.5
170	23.5	19.6	29.4

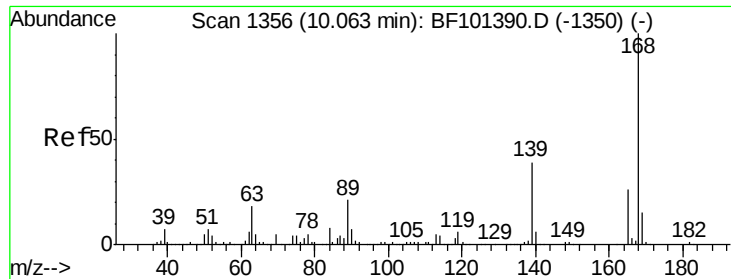
Abundance

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





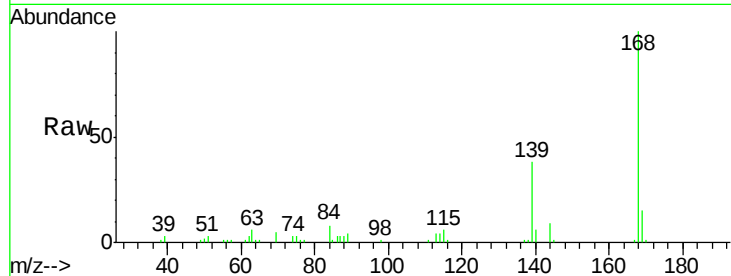
#54
Dibenzenofuran
Concen: 2.168 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.00 min
Lab File: BF101713.D
Acq: 26 Dec 2017 14:12

Instrument :
BNA_F
ClientSampleId :
WC-41446854-01DL

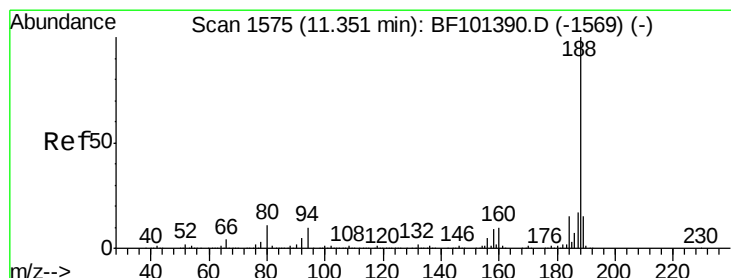
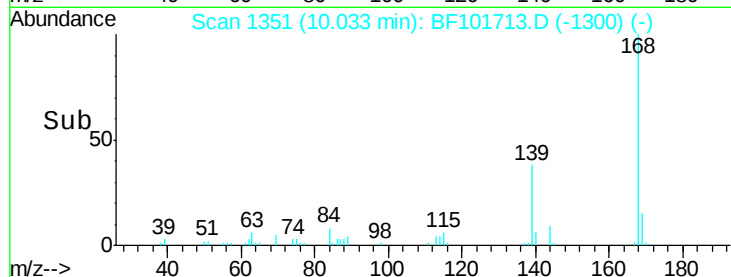
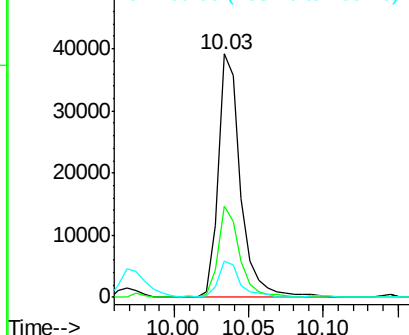
Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.7	30.1	45.1
169	14.7	10.9	16.3

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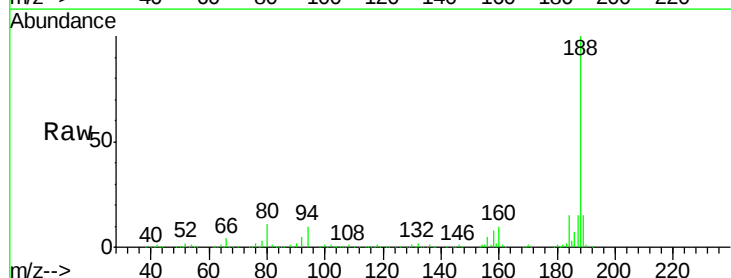


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

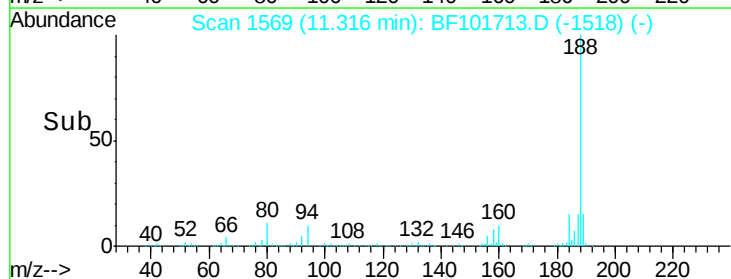
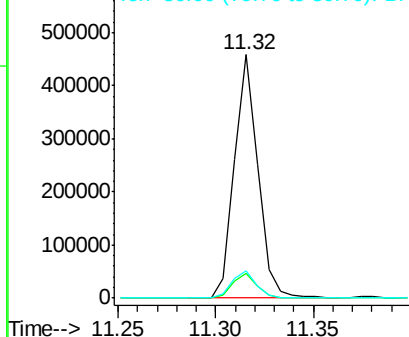


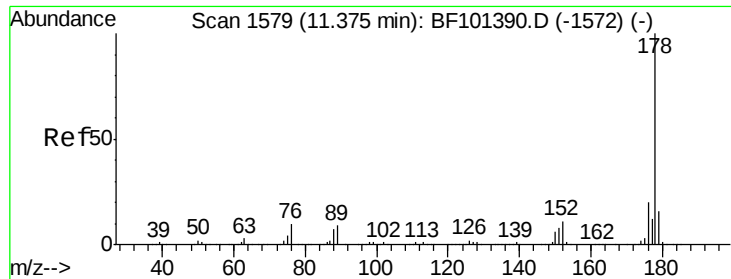
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BF101713.D
Acq: 26 Dec 2017 14:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	11.2	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





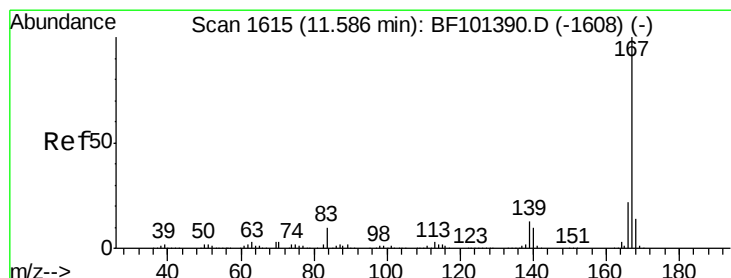
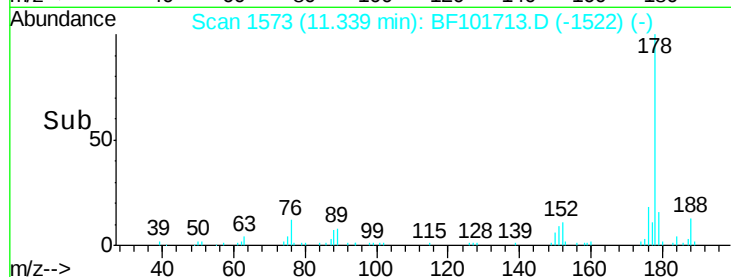
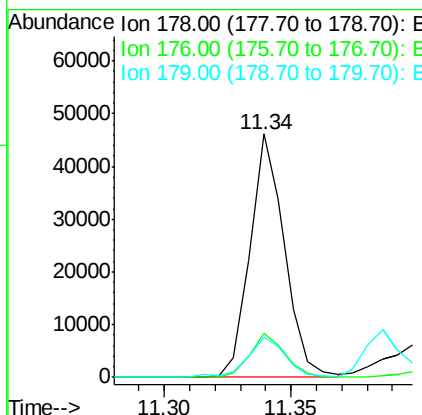
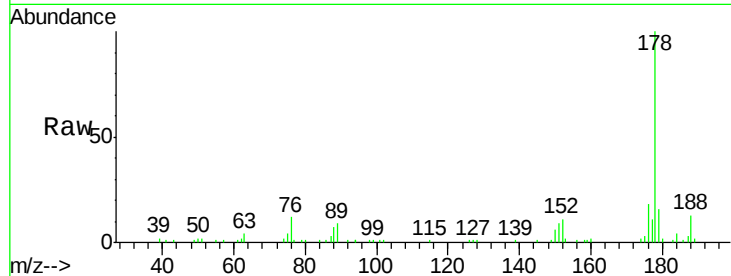
#70
Phenanthrene
Concen: 2.047 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF101713.D
Acq: 26 Dec 2017 14:12

Instrument :
BNA_F
ClientSampleId :
WC-41446854-01DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.8
179	16.3	13.0	19.6

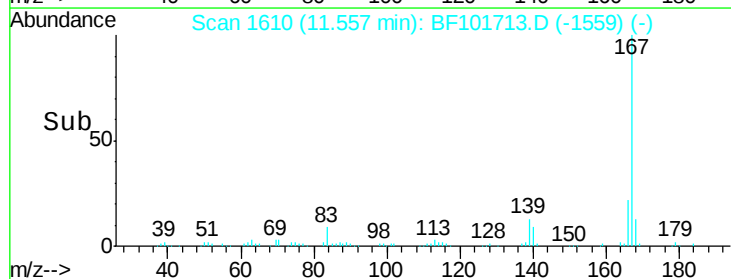
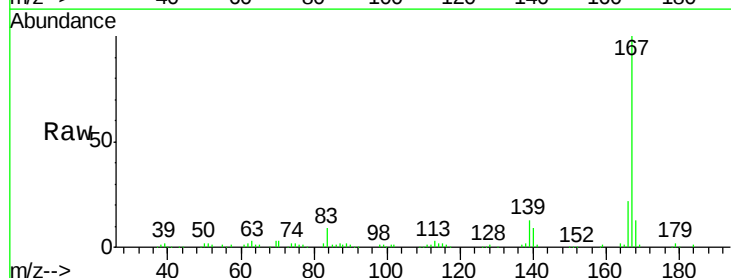
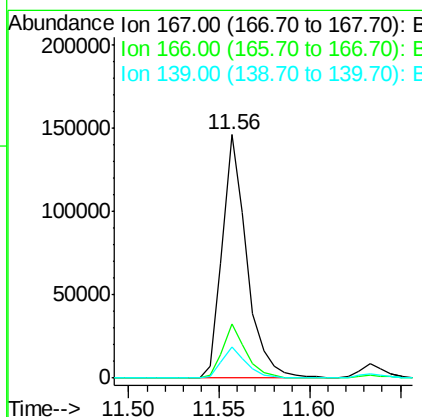
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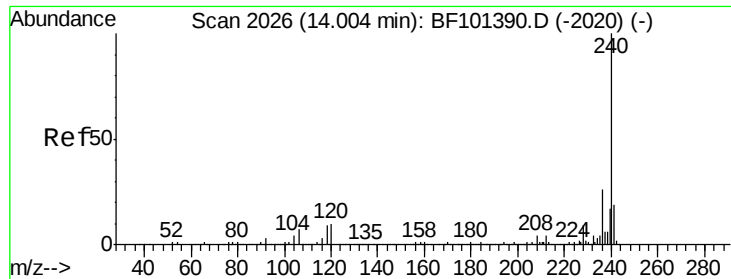
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#72
Carbazole
Concen: 6.766 ng
RT: 11.56 min Scan# 1610
Delta R.T. -0.00 min
Lab File: BF101713.D
Acq: 26 Dec 2017 14:12

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.6	26.4
139	12.6	10.9	16.3





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BF101713.D

Acq: 26 Dec 2017 14:12

Instrument :

BNA_F

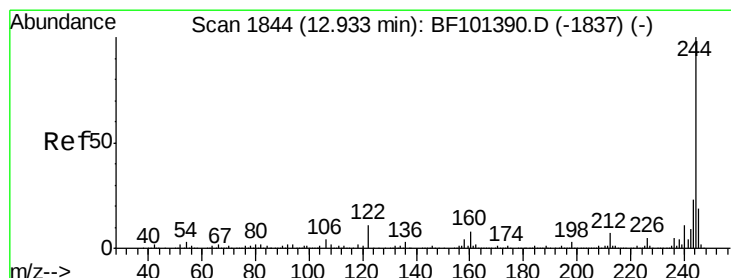
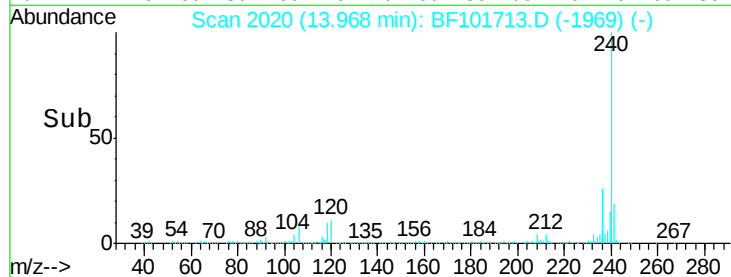
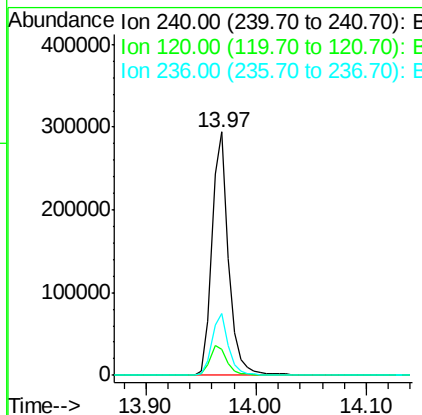
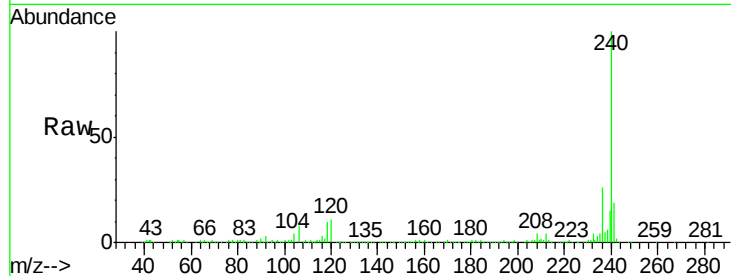
ClientSampleId :

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Tgt Ion:	240	Resp:	300611
Ion Ratio	Lower	Upper	
240	100		
120	10.9	9.5	14.3
236	25.5	20.7	31.1

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#78

Terphenyl-d14

Concen: 27.142 ng

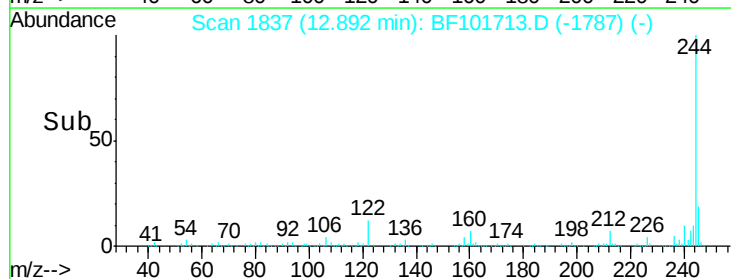
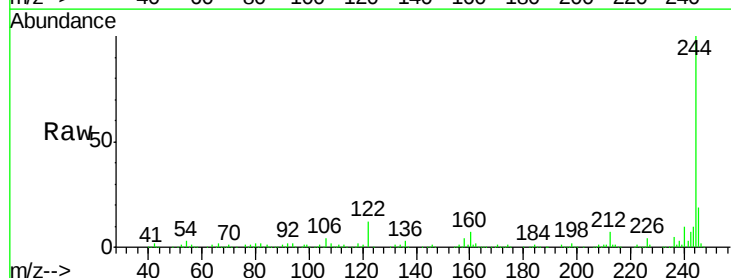
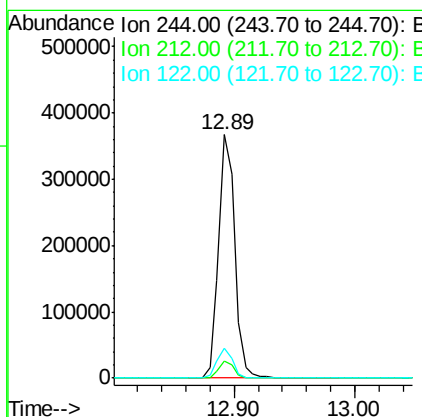
RT: 12.89 min Scan# 1837

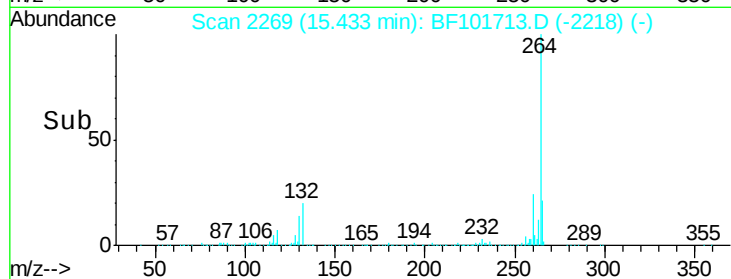
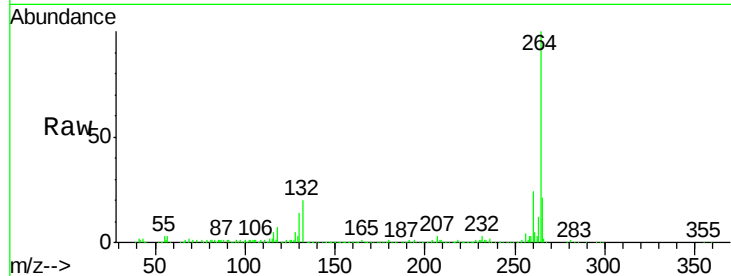
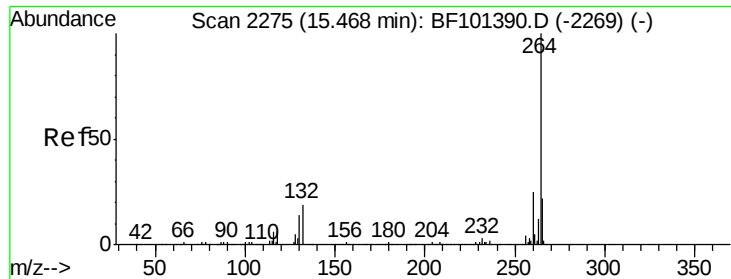
Delta R.T. -0.01 min

Lab File: BF101713.D

Acq: 26 Dec 2017 14:12

Tgt Ion:	244	Resp:	338450
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	12.3	11.0	16.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF101713.D
Acq: 26 Dec 2017 14:12

Instrument :
BNA_F
ClientSampleId :
WC-41446854-01DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.7	19.2	28.8
265	21.5	17.5	26.3

Manual Integrations
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