

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
 Data File : BF101688.D
 Acq On : 23 Dec 2017 8:08
 Operator : SJ/JU
 Sample : I6835-03
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-02

Manual Integrations
 APPROVED

Sohil
 12/26/2017 1:37:48 PM

Quant Time: Dec 24 23:31:20 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 16:07:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	149559	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	472176	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	248379	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	426803	20.00	ng	0.00
75) Chrysene-d12	13.96	240	290868	20.00	ng	0.00
86) Perylene-d12	15.43	264	264278	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1296074	129.09	ng	0.02
7) Phenol-d6	6.45	99	1419104	113.57	ng	0.02
23) Nitrobenzene-d5	7.36	82	1024173	120.74	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	351395	146.82	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1591220	99.38	ng	0.00
78) Terphenyl-d14	12.90	244	1386519	114.92	ng	0.00
Target Compounds						
3) Pyridine	3.56	79	55196m	3.851	ng	Qvalue
10) Phenol	6.47	94	1282699	90.064	ng	98
17) 2-Methylphenol	7.06	107	569737	58.643	ng	99
20) 3+4-Methylphenols	7.22	107	1477741	143.537	ng	85
27) 2,4-Dimethylphenol	7.74	122	699279	102.057	ng	97
31) Naphthalene	8.10	128	6278430	264.121	ng	98
37) 2-Methylnaphthalene	8.78	142	498159	32.166	ng	100
45) 1,1'-Biphenyl	9.25	154	110632	5.022	ng	98
48) Acenaphthylene	9.69	152	759357	28.525	ng	100
51) Acenaphthene	9.86	154	110219	6.891	ng	95
54) Dibenzofuran	10.03	168	317826	15.637	ng	99
57) Fluorene	10.37	166	291018	16.925	ng	99
70) Phenanthrene	11.34	178	346151	14.584	ng	99
71) Anthracene	11.39	178	69623m	2.872	ng	
72) Carbazole	11.56	167	754996	33.261	ng	99

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

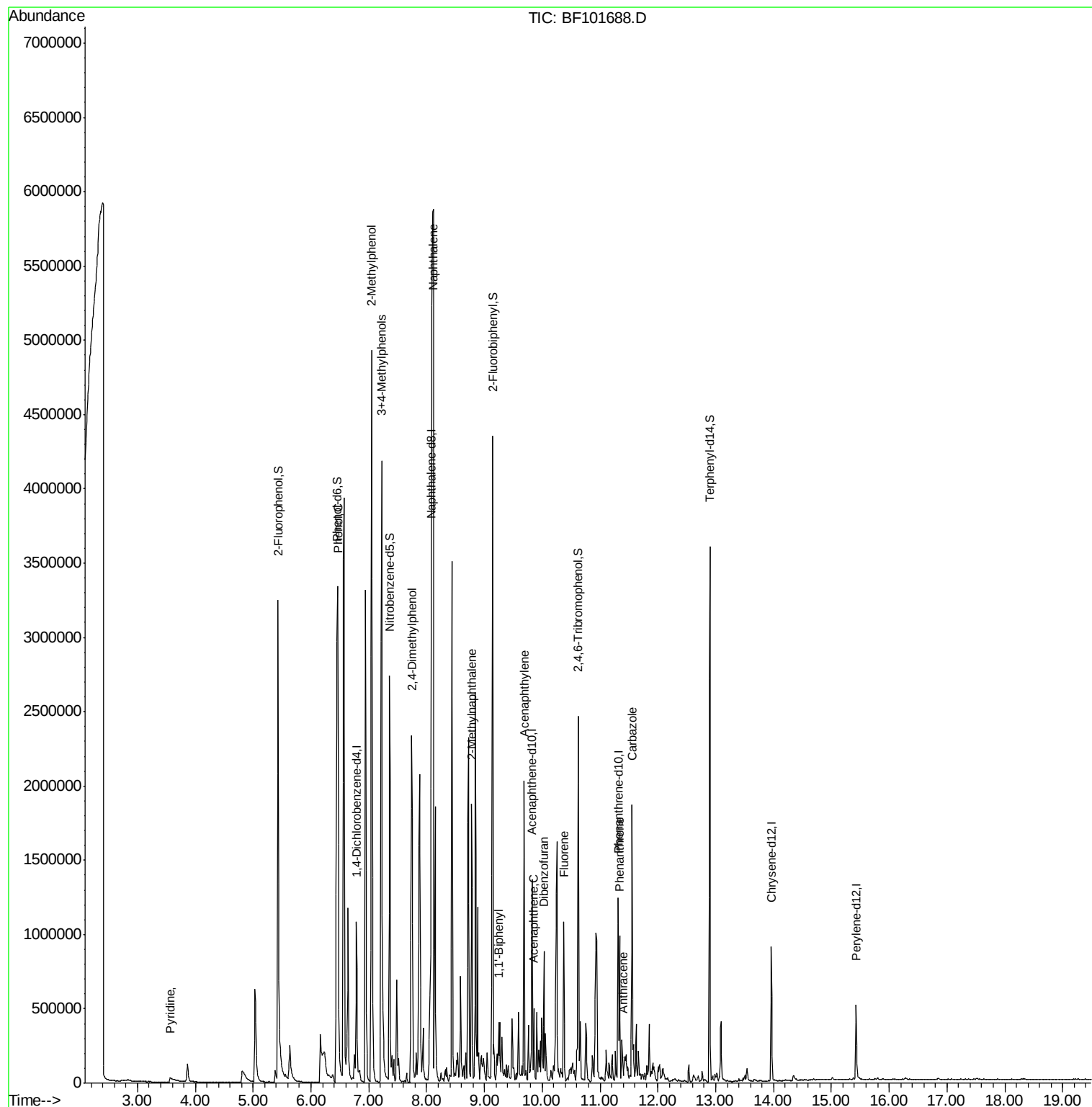
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
Data File : BF101688.D
Acq On : 23 Dec 2017 8:08
Operator : SJ/JU
Sample : I6835-03
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ALS Vial : 38 Sample Multiplier: 1

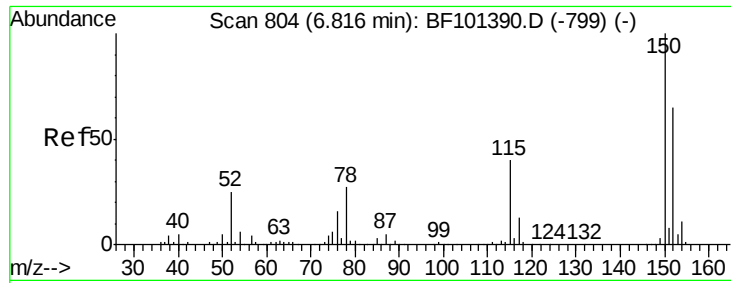
Instrument :
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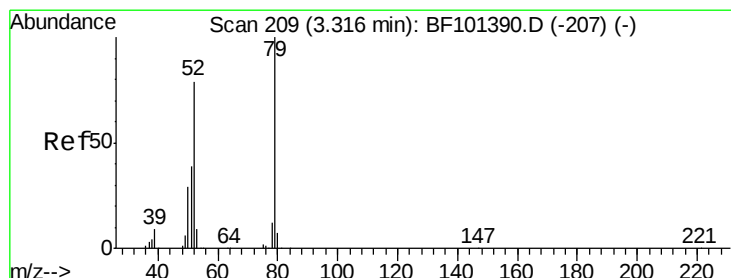
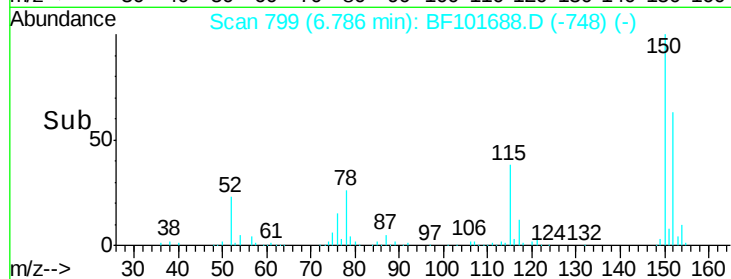
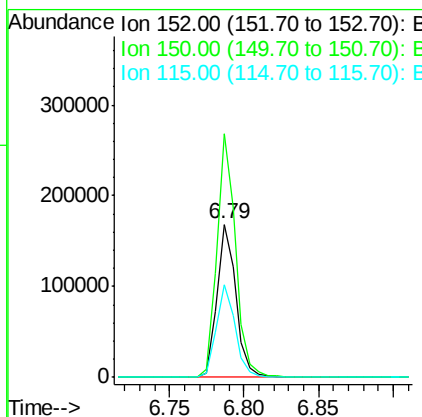
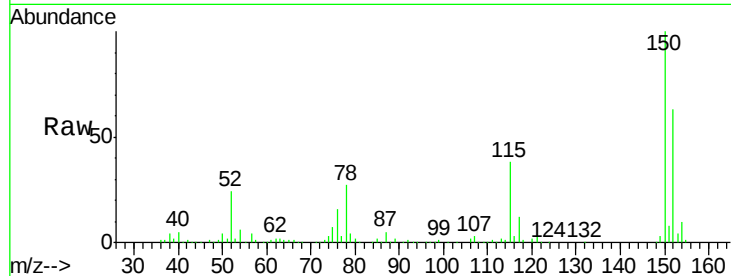
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF101688.D
 Acq: 23 Dec 2017 8:08

Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-02

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	149559		
150	159.4	124.6	186.8	
115	61.0	50.1	75.1	

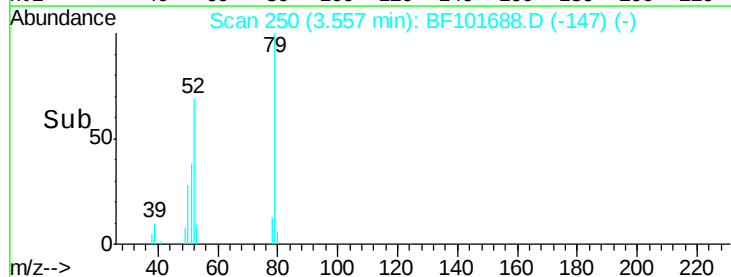
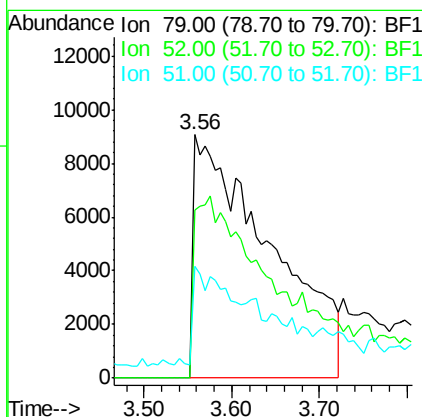
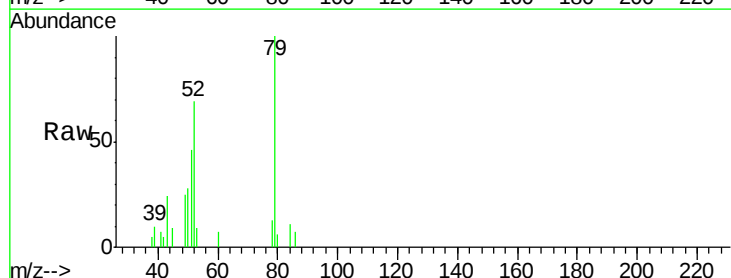
Manual Integrations
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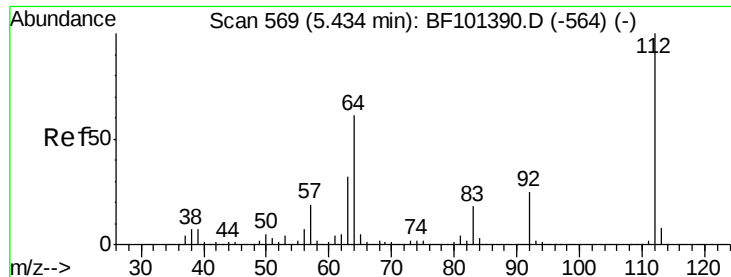
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#3
 Pyridine
 Concen: 3.851 ng m
 RT: 3.56 min Scan# 250
 Delta R.T. 0.31 min
 Lab File: BF101688.D
 Acq: 23 Dec 2017 8:08

Tgt Ion	Ratio	Resp	Lower	Upper
79	100	55196		
52	69.3	59.8	89.6	
51	46.0	29.8	44.8	





#5

2-Fluorophenol

Concen: 129.086 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.02 min

Lab File: BF101688.D

Acq: 23 Dec 2017 8:08

Instrument :

BNA_F

ClientSampleId :

WC-4539-02

Tgt Ion: 112 Resp: 1296074

Ion Ratio Lower Upper

112 100

64 62.6 47.9 71.9

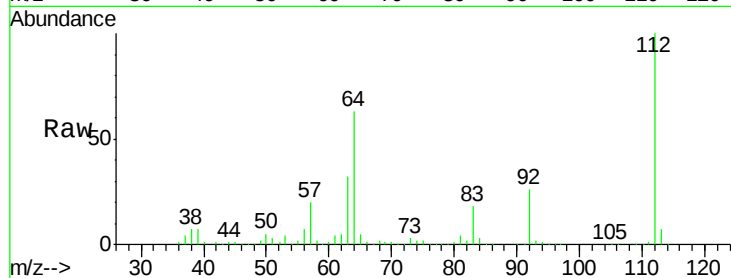
63 32.4 23.7 35.5

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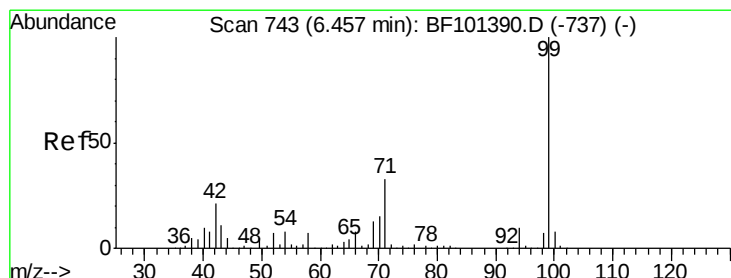
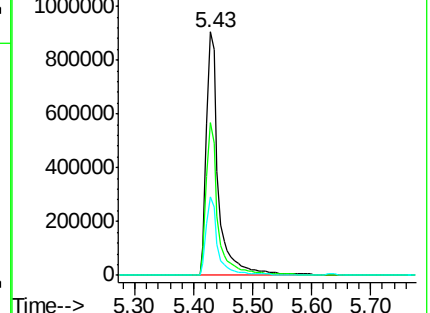
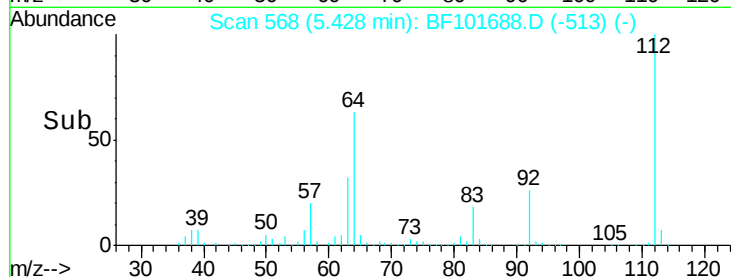
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Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 113.568 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.02 min

Lab File: BF101688.D

Acq: 23 Dec 2017 8:08

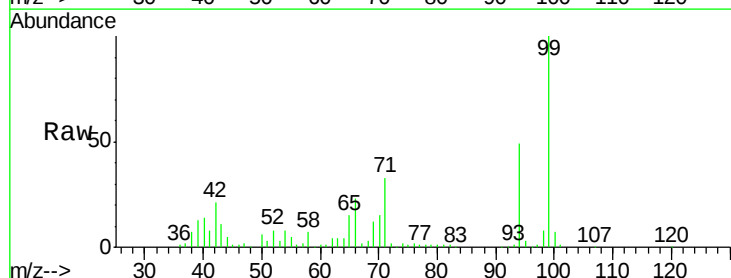
Tgt Ion: 99 Resp: 1419104

Ion Ratio Lower Upper

99 100

42 21.1 14.5 21.7

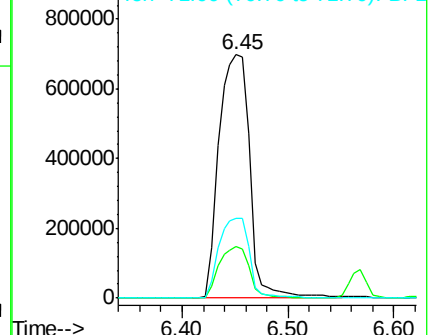
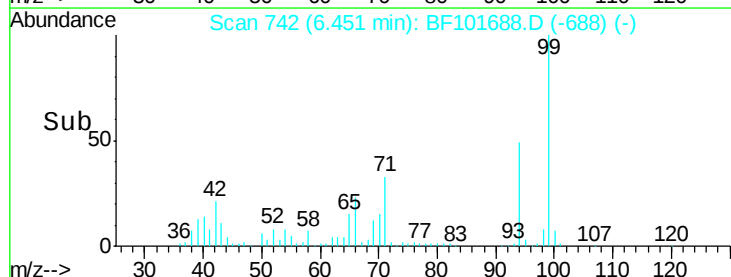
71 32.7 25.4 38.0

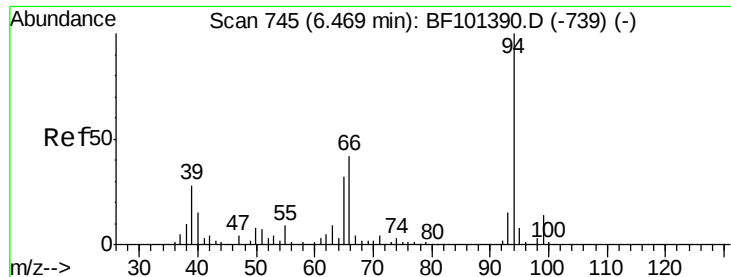


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#10

Phenol

Concen: 90.064 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.02 min

Lab File: BF101688.D

Acq: 23 Dec 2017 8:08

Instrument :

BNA_F

ClientSampleId :

WC-4539-02

Tgt Ion: 94 Resp: 1282699

Ion Ratio Lower Upper

94 100

65 29.1 7.9 47.9

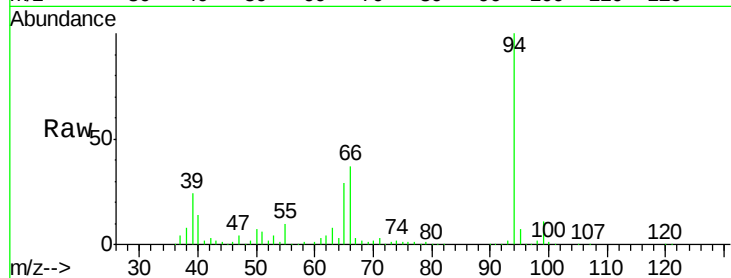
66 37.2 16.2 56.2

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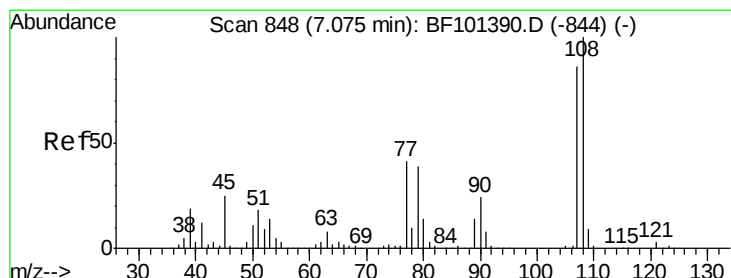
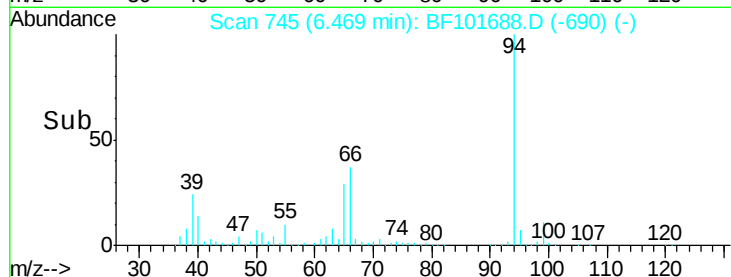
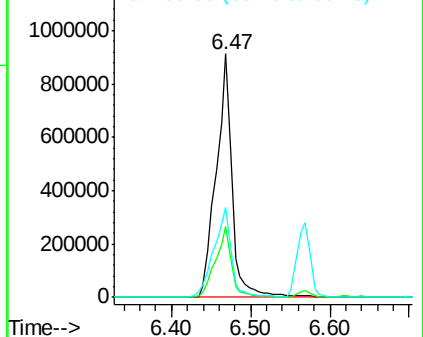
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Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#17

2-Methylphenol

Concen: 58.643 ng

RT: 7.06 min Scan# 845

Delta R.T. 0.01 min

Lab File: BF101688.D

Acq: 23 Dec 2017 8:08

Tgt Ion: 107 Resp: 569737

Ion Ratio Lower Upper

107 100

108 113.4 91.7 137.5

77 43.6 33.8 50.8

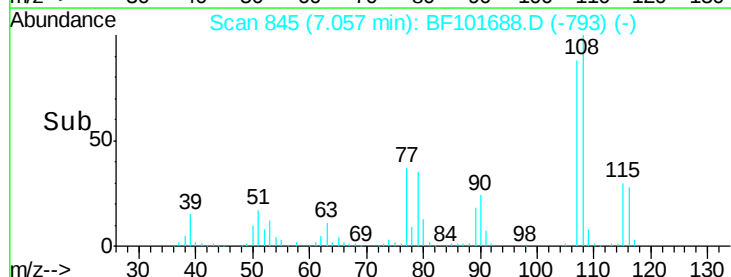
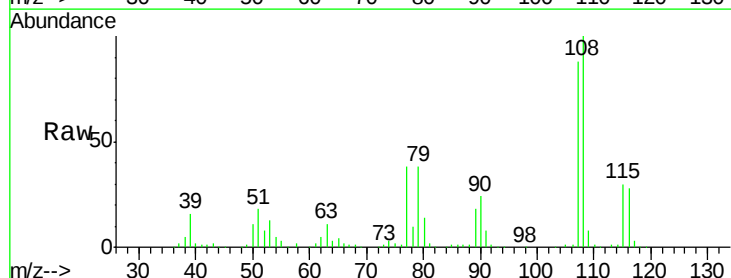
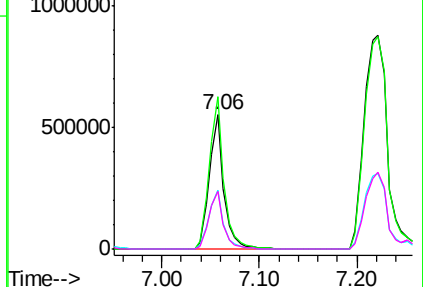
79 42.9 33.8 50.8

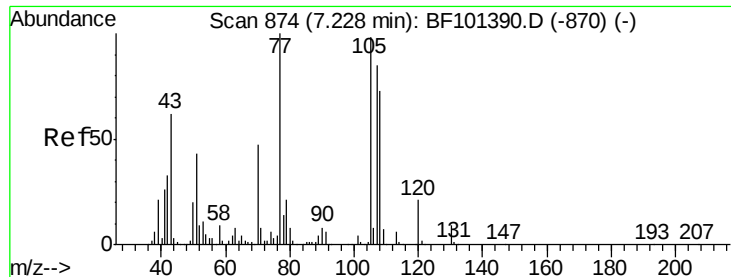
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

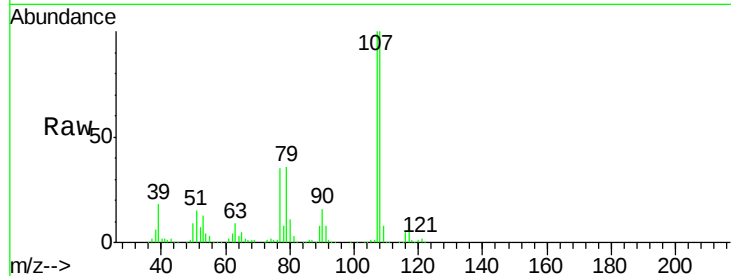
Ion 79.00 (78.70 to 79.70): BF1





#20
 3+4-Methylphenols
 Concen: 143.537 ng
 RT: 7.22 min Scan# 873
 Delta R.T. 0.01 min
 Lab File: BF101688.D
 Acq: 23 Dec 2017 8:08

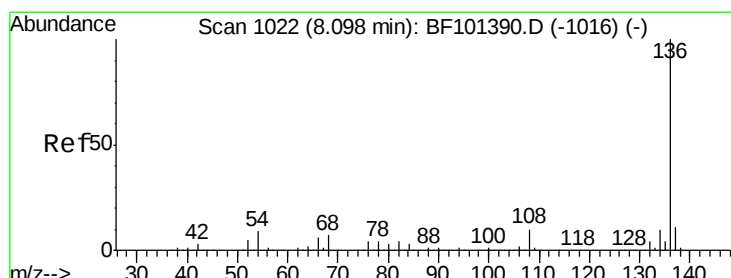
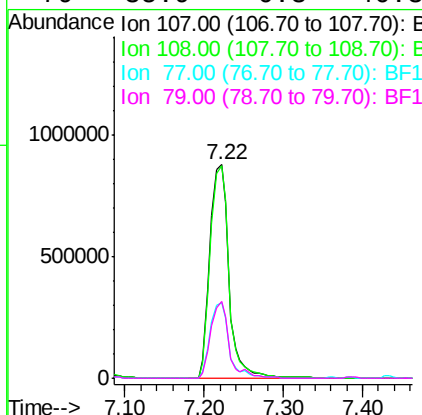
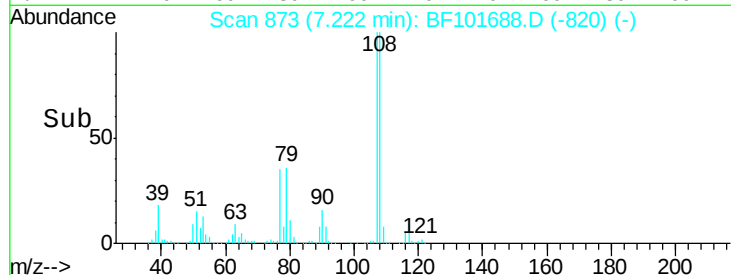
Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-02



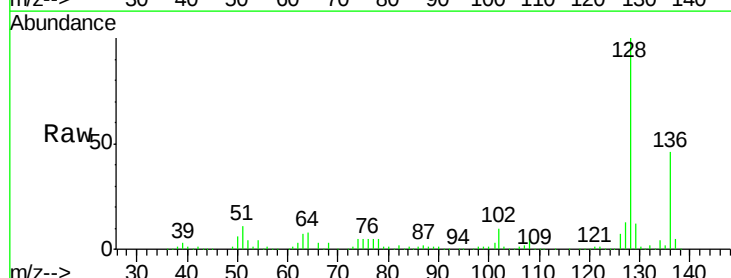
Tgt Ion:	107	Resp:	1477741
Ion	Ratio	Lower	Upper
107	100		
108	99.6	68.2	108.2
77	35.4	26.7	66.7
79	35.9	6.3	46.3

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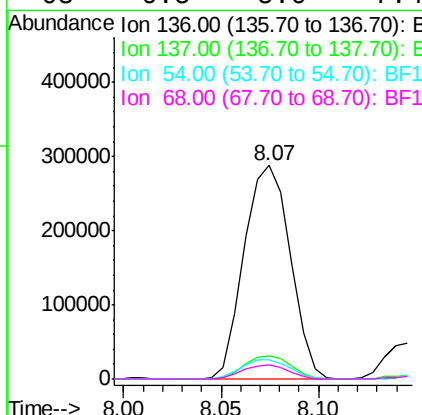
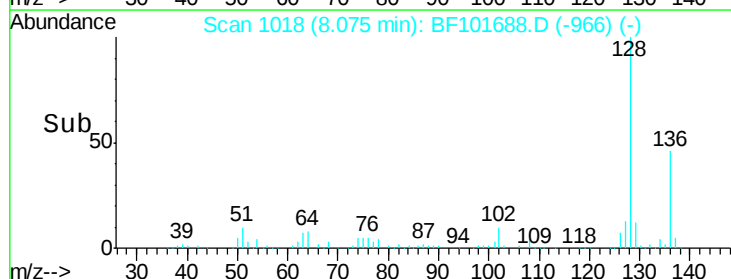
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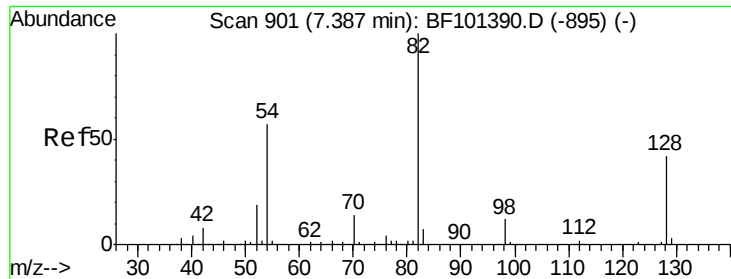


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.07 min Scan# 1018
 Delta R.T. 0.01 min
 Lab File: BF101688.D
 Acq: 23 Dec 2017 8:08



Tgt Ion:	136	Resp:	472176
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	9.2	6.6	9.8
68	6.5	5.0	7.4





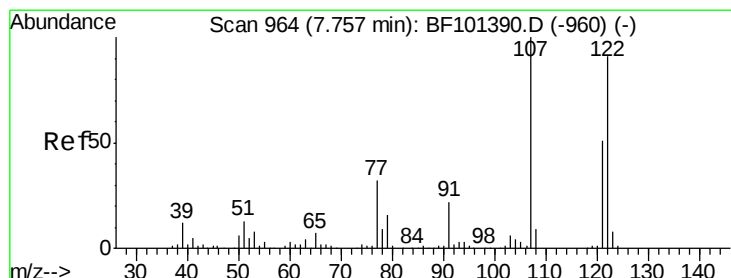
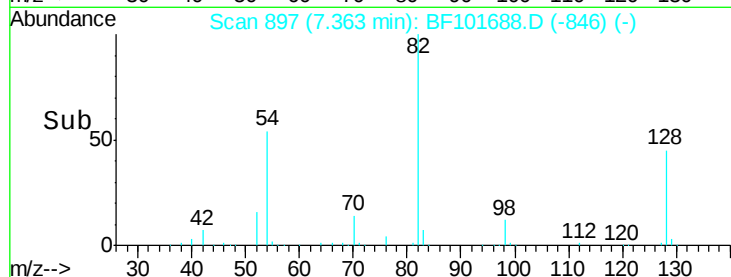
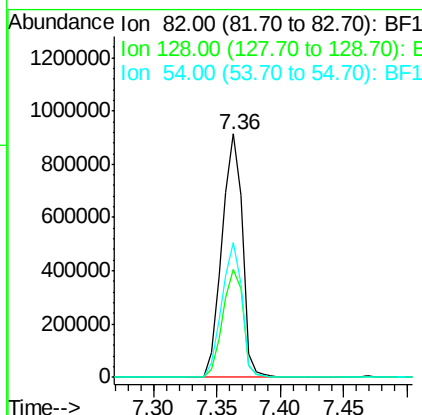
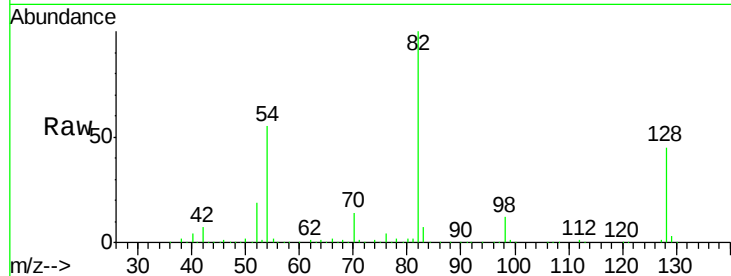
#23
 Nitrobenzene-d5
 Concen: 120.742 ng
 RT: 7.36 min Scan# 897
 Delta R.T. 0.00 min
 Lab File: BF101688.D
 Acq: 23 Dec 2017 8:08

Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-02

Tgt Ion: 82 Resp: 1024173
 Ion Ratio Lower Upper
 82 100
 128 44.6 36.1 54.1
 54 55.5 41.4 62.2

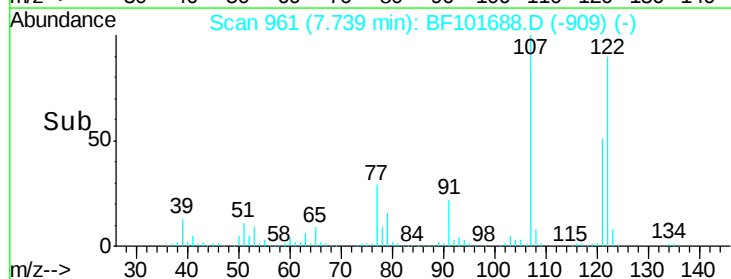
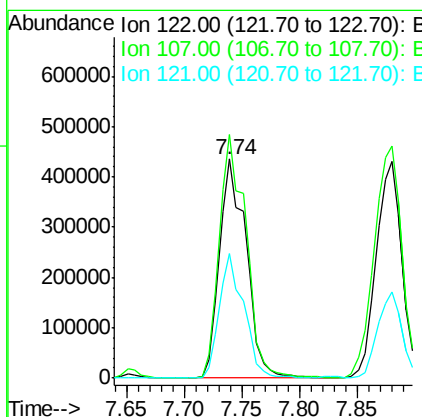
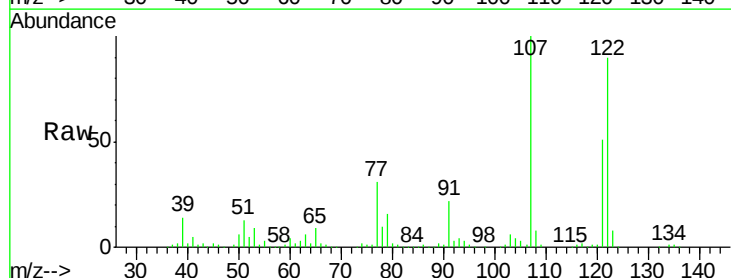
Manual Integrations
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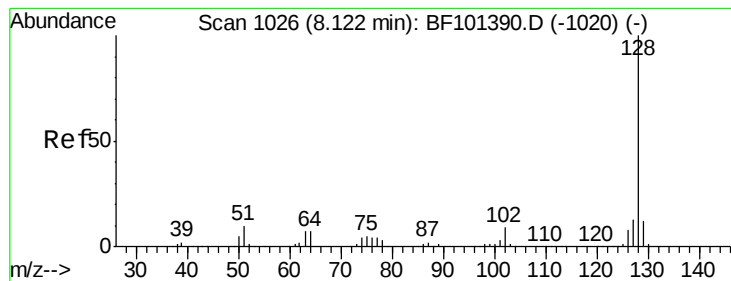
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#27
 2,4-Dimethylphenol
 Concen: 102.057 ng
 RT: 7.74 min Scan# 961
 Delta R.T. 0.01 min
 Lab File: BF101688.D
 Acq: 23 Dec 2017 8:08

Tgt Ion: 122 Resp: 699279
 Ion Ratio Lower Upper
 122 100
 107 111.2 91.2 136.8
 121 57.0 47.2 70.8





#31

Naphthalene

Concen: 264.121 ng

RT: 8.10 min Scan# 1023

Delta R.T. 0.01 min

Lab File: BF101688.D

Acq: 23 Dec 2017 8:08

Instrument :

BNA_F

ClientSampleId :

WC-4539-02

Tgt Ion:128 Resp: 6278430

Ion Ratio Lower Upper

128 100

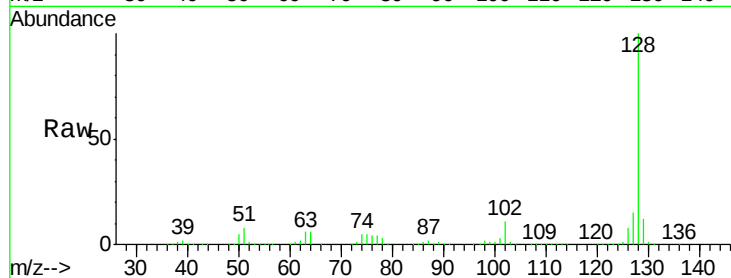
129 12.0 8.8 13.2

127 14.6 10.9 16.3

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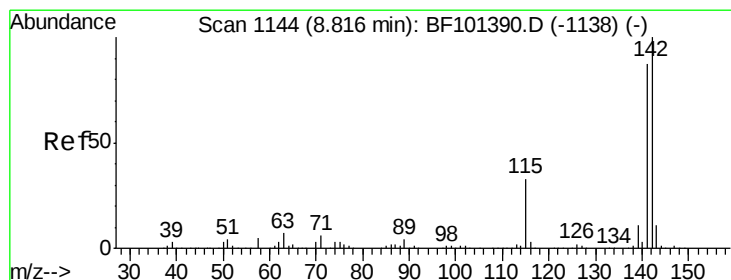
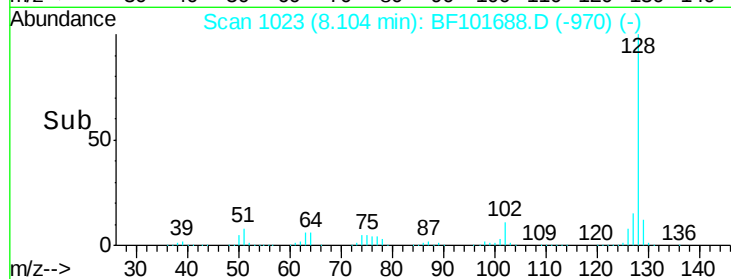
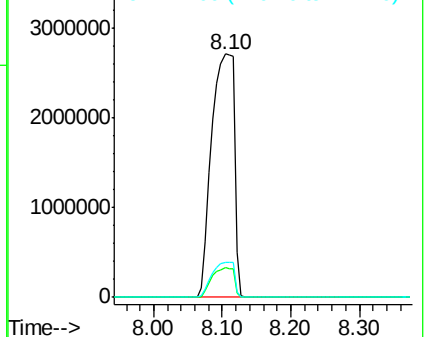
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 32.166 ng

RT: 8.78 min Scan# 1138

Delta R.T. -0.01 min

Lab File: BF101688.D

Acq: 23 Dec 2017 8:08

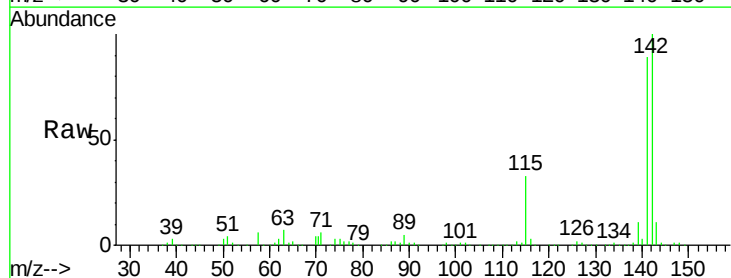
Tgt Ion:142 Resp: 498159

Ion Ratio Lower Upper

142 100

141 88.6 70.8 106.2

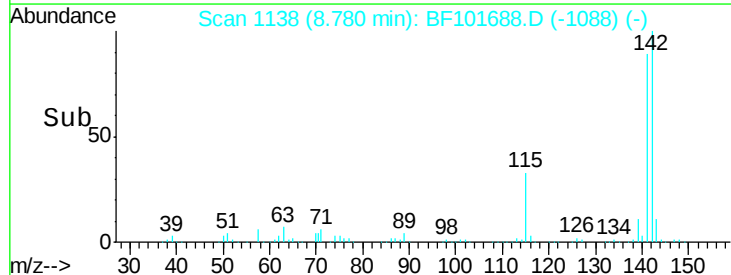
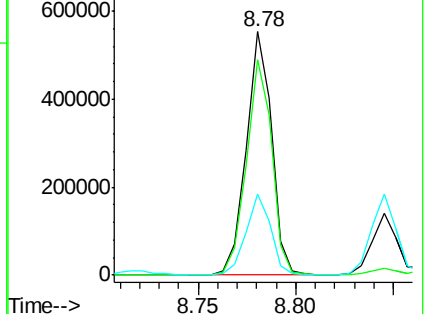
115 33.5 26.1 39.1

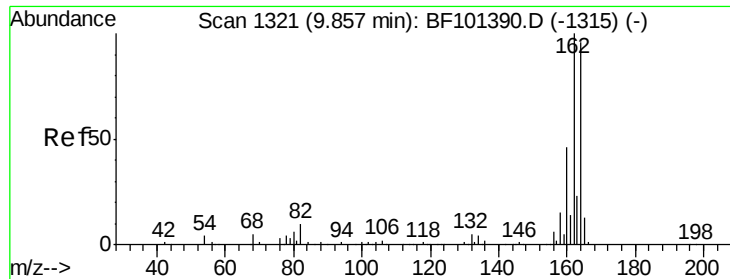


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





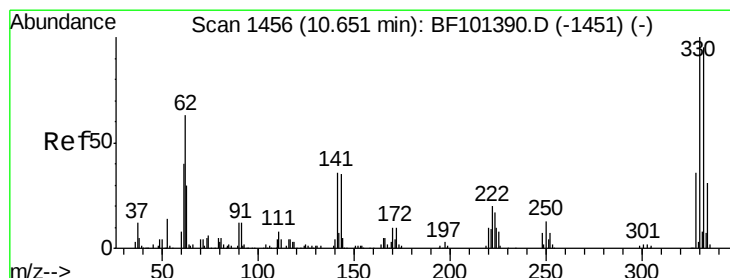
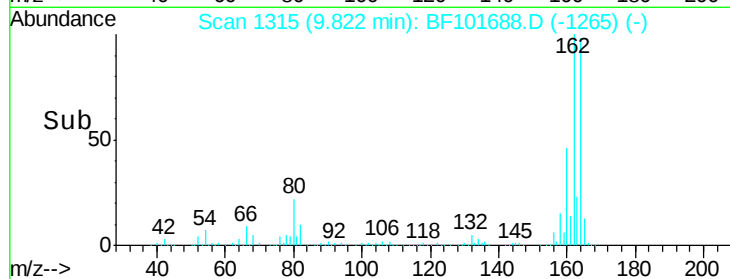
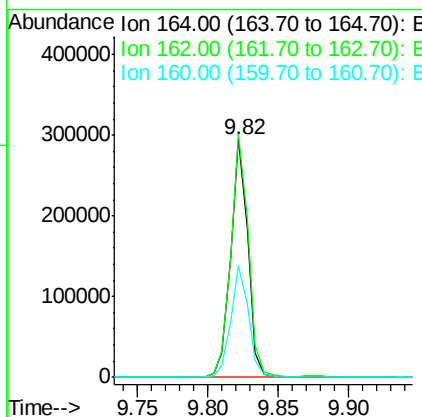
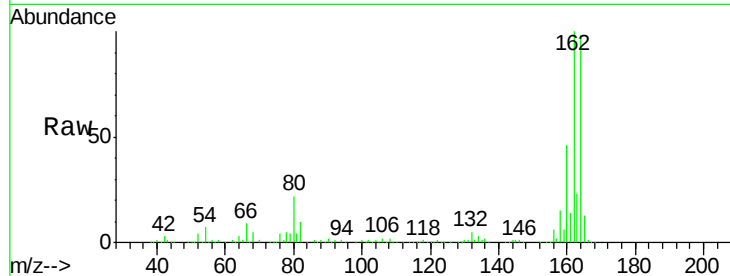
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF101688.D
 Acq: 23 Dec 2017 8:08

Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	248379		
162	102.2	86.1	129.1	
160	47.1	38.3	57.5	

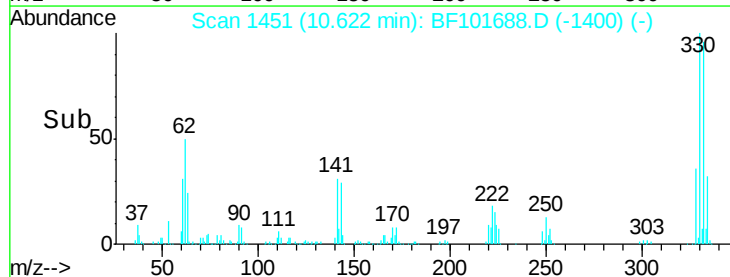
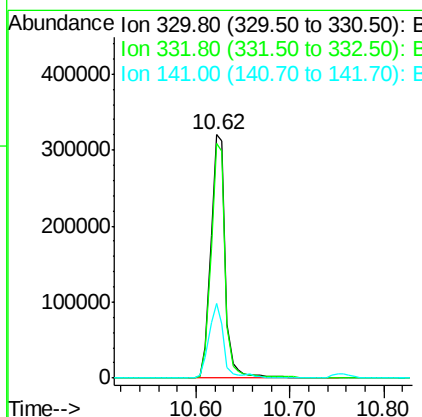
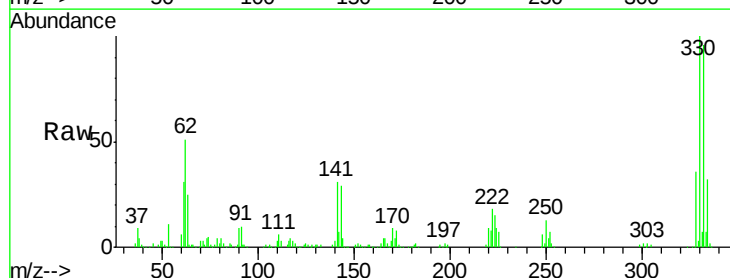
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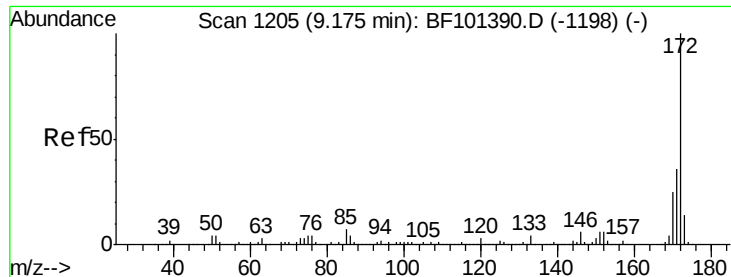
Sohil
 12/26/2017 1:37:48 PM



#41
 2,4,6-Tribromophenol
 Concen: 146.823 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF101688.D
 Acq: 23 Dec 2017 8:08

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	351395		
332	94.7	77.0	115.6	
141	32.1	29.9	44.9	





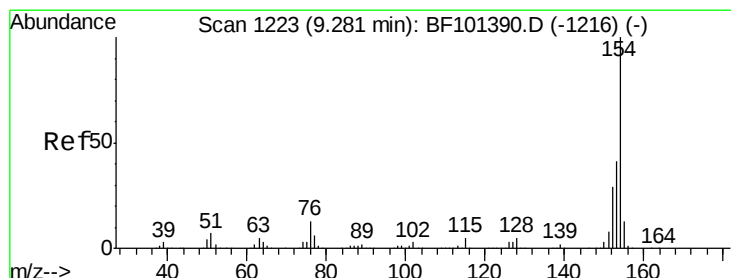
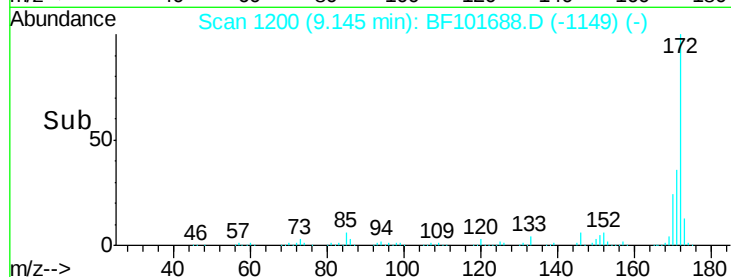
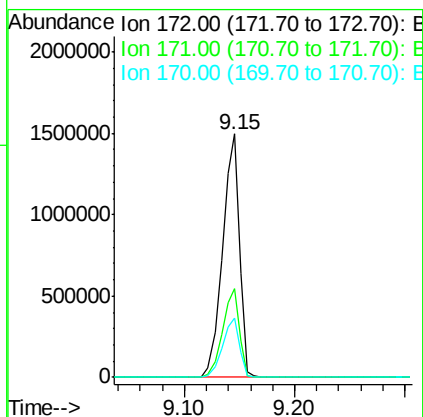
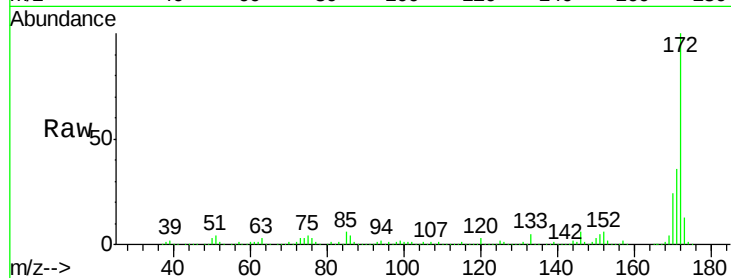
#44
2-Fluorobiphenyl
Concen: 99.379 ng
RT: 9.15 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BF101688.D
Acq: 23 Dec 2017 8:08

Instrument :
BNA_F
ClientSampleId :
WC-4539-02

Tgt Ion:172 Resp: 1591220
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 24.3 19.6 29.4

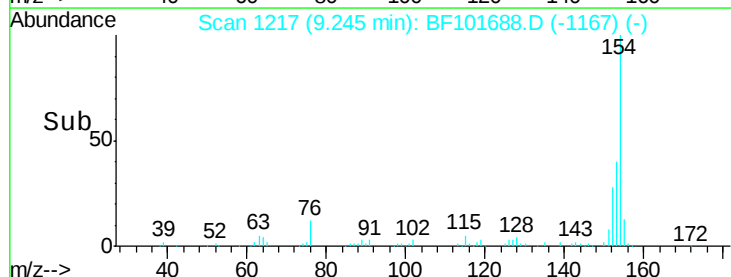
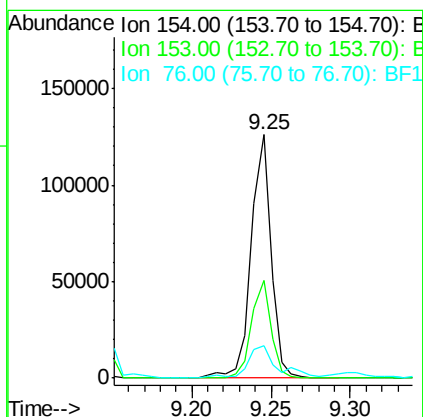
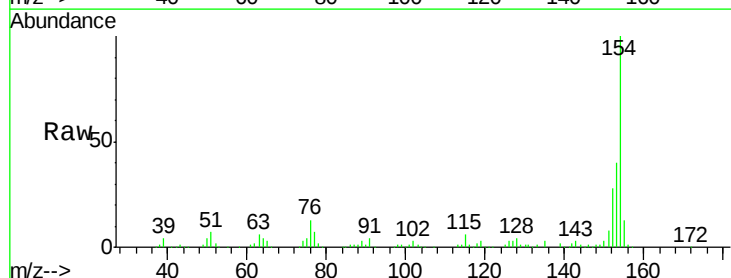
Manual Integrations
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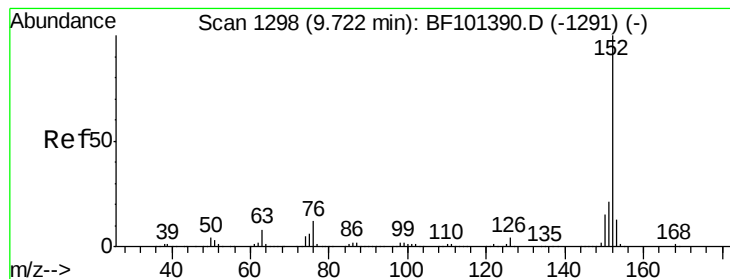
Sohil
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#45
1,1'-Biphenyl
Concen: 5.022 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF101688.D
Acq: 23 Dec 2017 8:08

Tgt Ion:154 Resp: 110632
Ion Ratio Lower Upper
154 100
153 40.0 21.3 61.3
76 13.5 0.0 34.0





#48

Acenaphthylene

Concen: 28.525 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF101688.D

Acq: 23 Dec 2017 8:08

Instrument :

BNA_F

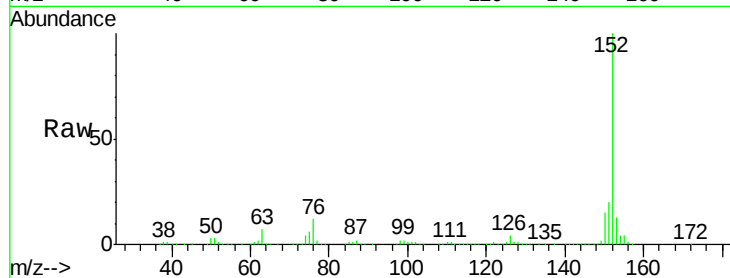
ClientSampleId :

WC-4539-02

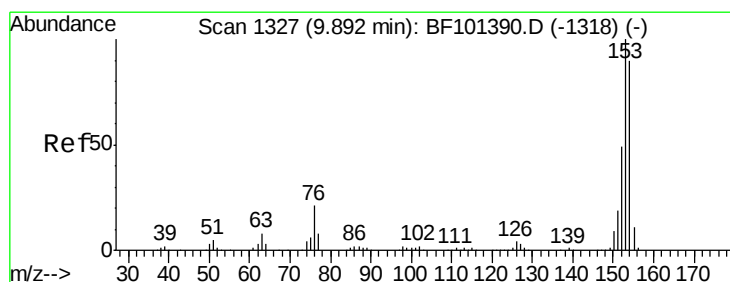
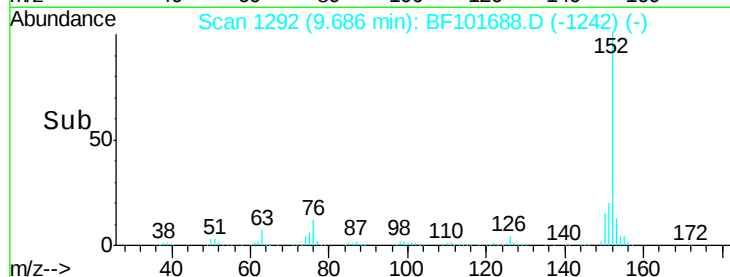
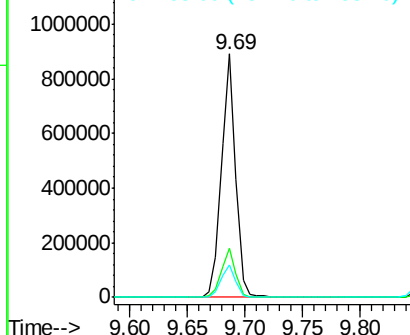
Tgt Ion:	152	Resp:	759357
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.3	24.5
153	13.4	10.7	16.1

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#51

Acenaphthene

Concen: 6.891 ng

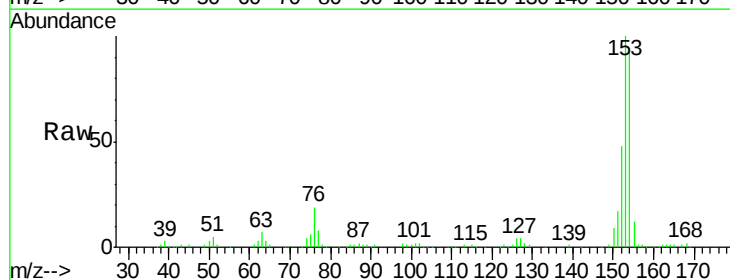
RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

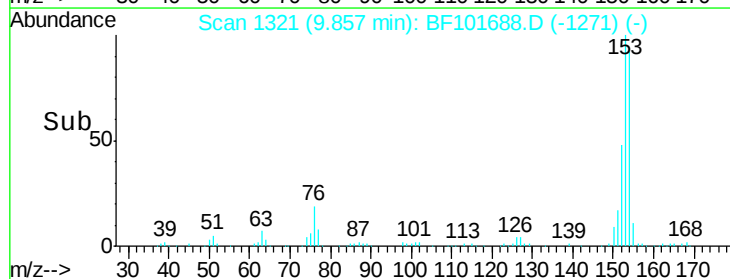
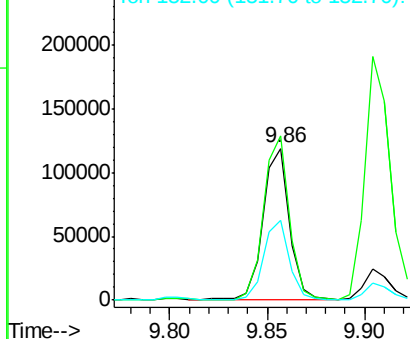
Lab File: BF101688.D

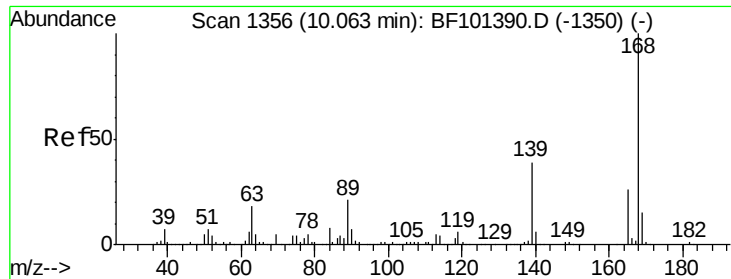
Acq: 23 Dec 2017 8:08

Tgt Ion:	154	Resp:	110219
Ion Ratio	Lower	Upper	
154	100		
153	108.1	91.2	136.8
152	52.3	43.8	65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





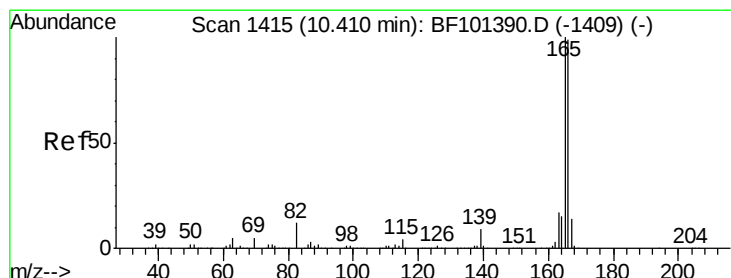
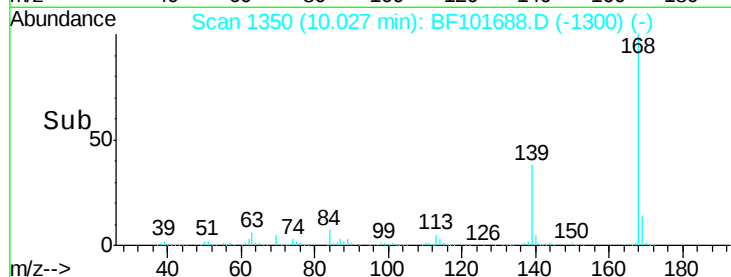
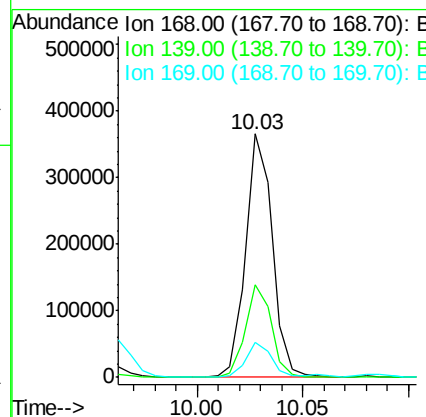
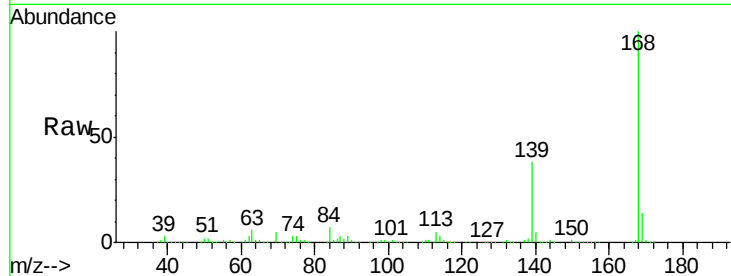
#54
Dibenzenofuran
Concen: 15.637 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF101688.D
Acq: 23 Dec 2017 8:08

Instrument :
BNA_F
ClientSampleId :
WC-4539-02

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	317826		
139	37.9	30.1	45.1	
169	14.2	10.9	16.3	

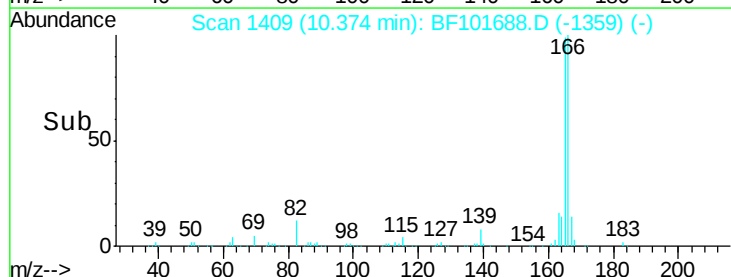
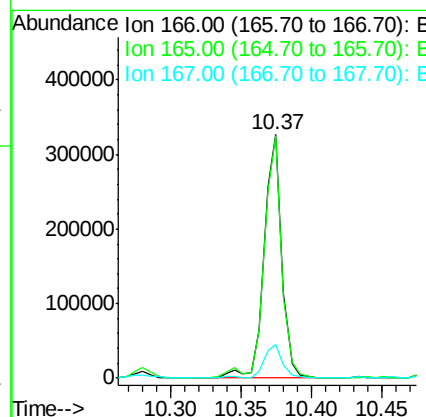
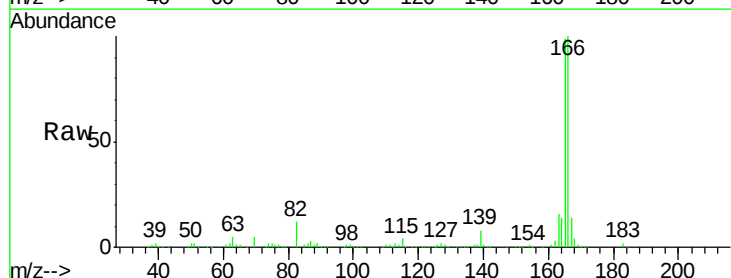
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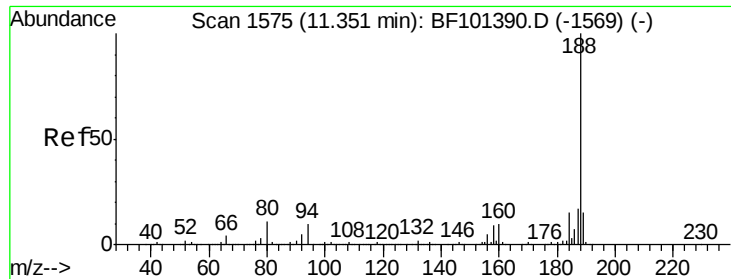
Sohil
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#57
Fluorene
Concen: 16.925 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF101688.D
Acq: 23 Dec 2017 8:08

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	291018		
165	99.4	79.8	119.8	
167	13.8	10.6	16.0	





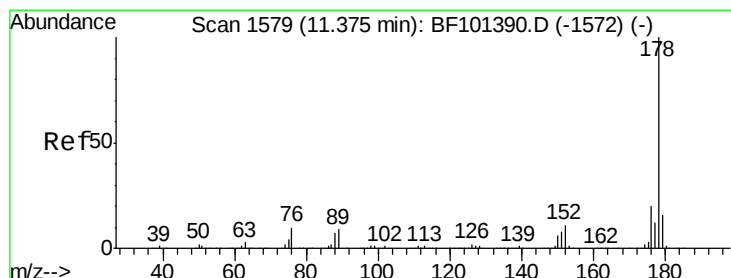
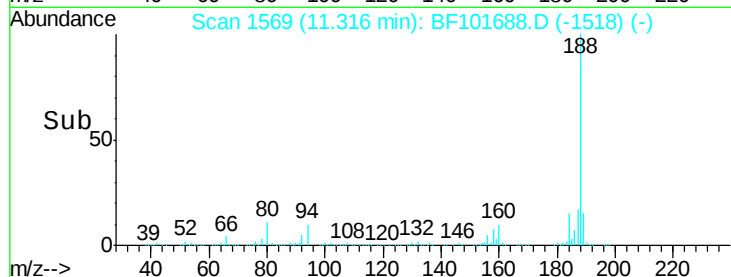
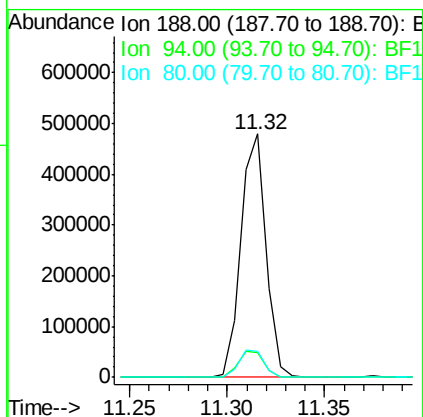
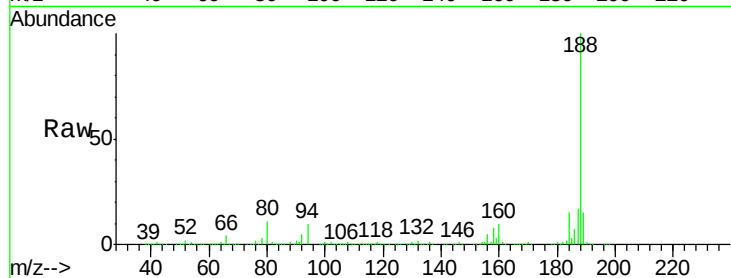
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF101688.D
Acq: 23 Dec 2017 8:08

Instrument :
BNA_F
ClientSampleId :
WC-4539-02

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	426803		
94	10.0		8.5	12.7
80	10.9		9.2	13.8

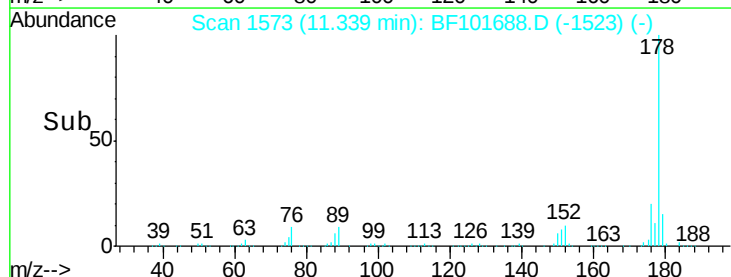
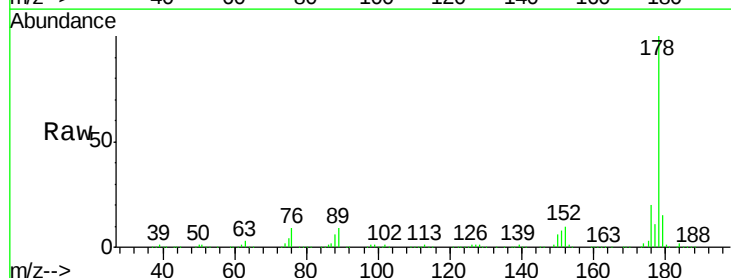
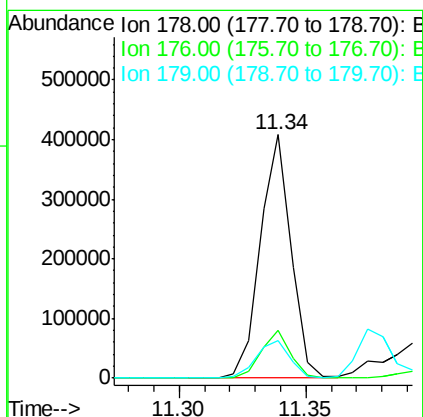
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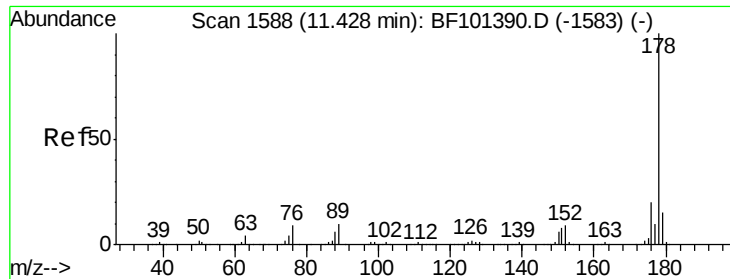
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#70
Phenanthrene
Concen: 14.584 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF101688.D
Acq: 23 Dec 2017 8:08

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	346151		
176	19.8		15.8	23.8
179	15.3		13.0	19.6





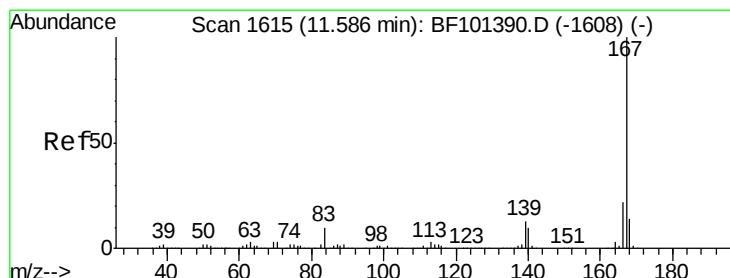
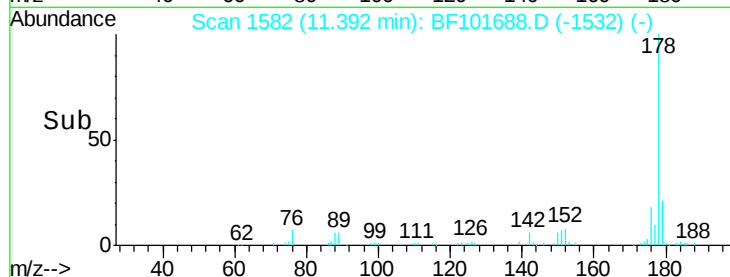
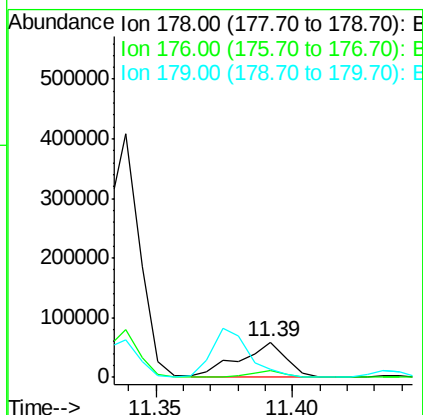
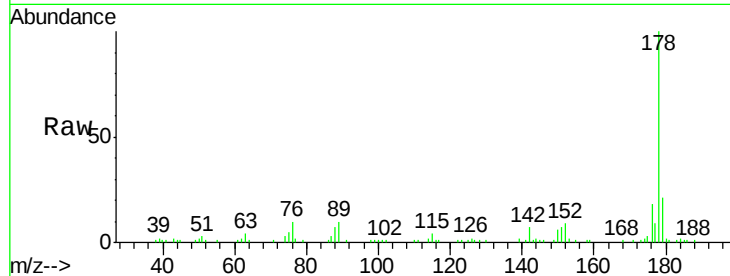
#71
 Anthracene
 Concen: 2.872 ng m
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF101688.D
 Acq: 23 Dec 2017 8:08

Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	21.3	12.6	19.0

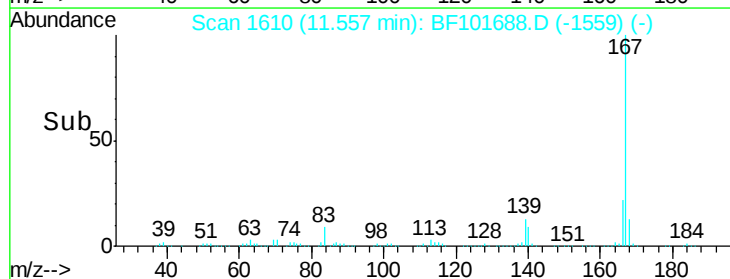
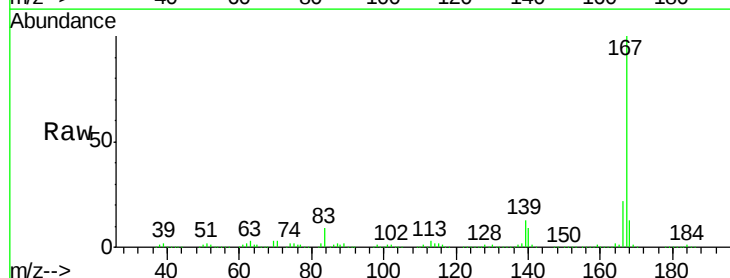
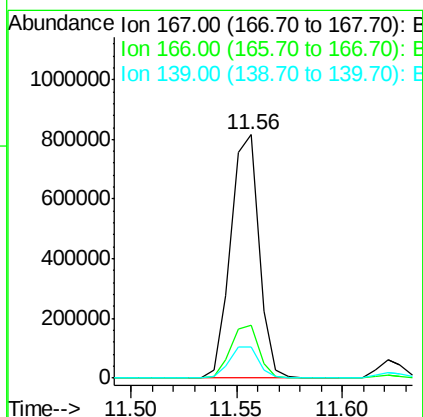
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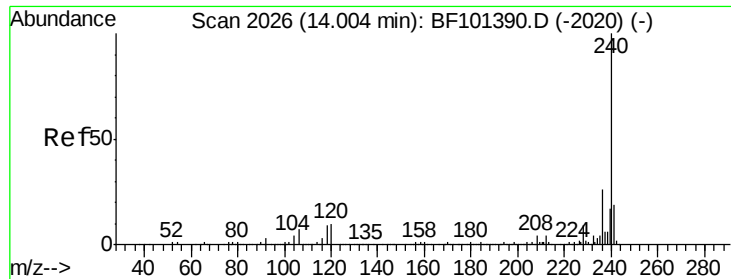
Sohil
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#72
 Carbazole
 Concen: 33.261 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. 0.00 min
 Lab File: BF101688.D
 Acq: 23 Dec 2017 8:08

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.6	26.4
139	12.7	10.9	16.3





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF101688.D

Acq: 23 Dec 2017 8:08

Instrument :

BNA_F

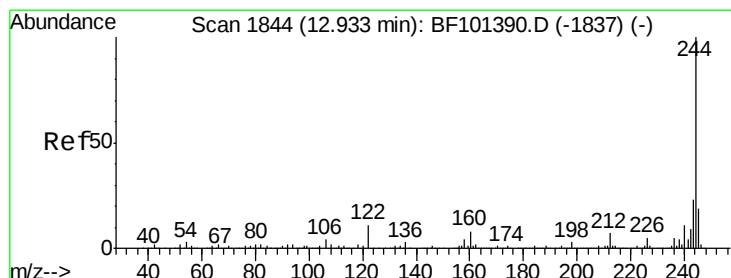
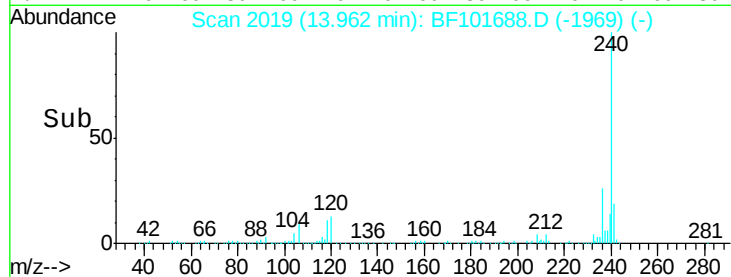
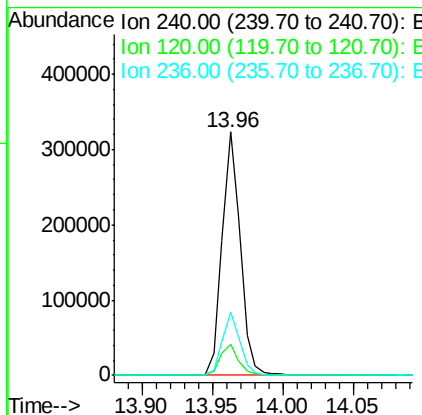
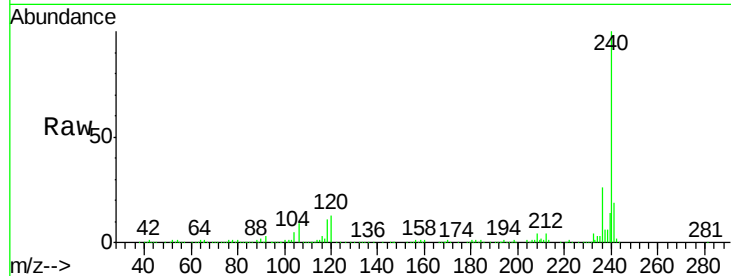
ClientSampleId :

WC-4539-02

Tgt Ion:	240	Resp:	290868
Ion Ratio	Lower	Upper	
240	100		
120	12.7	9.5	14.3
236	25.7	20.7	31.1

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#78

Terphenyl-d14

Concen: 114.917 ng

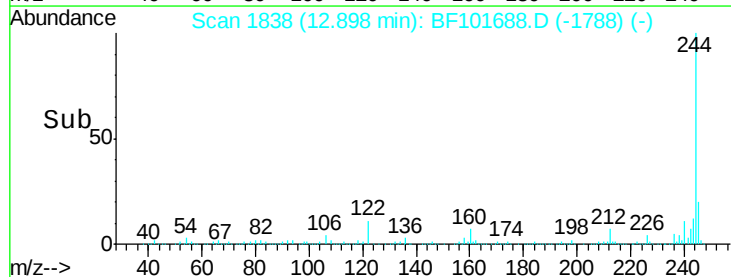
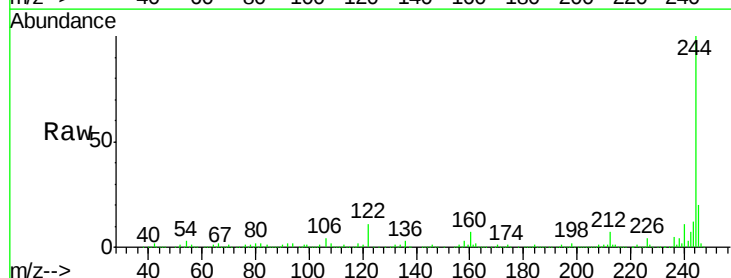
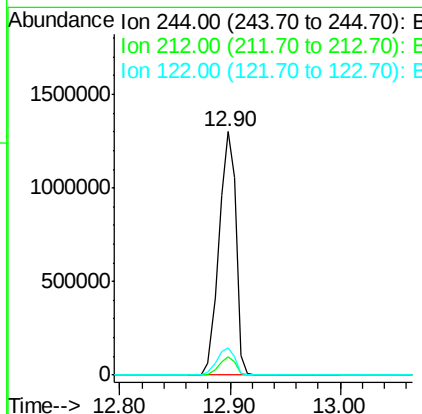
RT: 12.90 min Scan# 1838

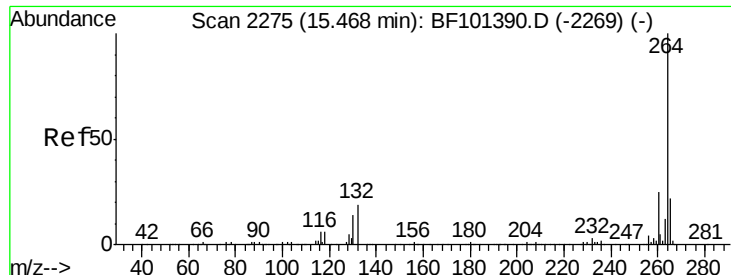
Delta R.T. -0.01 min

Lab File: BF101688.D

Acq: 23 Dec 2017 8:08

Tgt Ion:	244	Resp:	1386519
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.4	8.0
122	11.3	11.0	16.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.00 min
Lab File: BF101688.D
Acq: 23 Dec 2017 8:08

Instrument :
BNA_F
ClientSampleId :
WC-4539-02

Tgt	Ion	Ratio	Lower	Upper
264	100			
260	24.2	19.2	28.8	
265	21.9	17.5	26.3	

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