

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030818\
 Data File : BF103529.D
 Acq On : 8 Mar 2018 20:55
 Operator : SJ/JU
 Sample : J1823-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MHB-WCB

Manual Integrations
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 3/9/2018 11:39:44 AM

Quant Time: Mar 09 01:03:41 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 08 14:20:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	128026	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	516788	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	213214	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	295755	20.00	ng	0.00
75) Chrysene-d12	14.06	240	183150	20.00	ng	0.00
86) Perylene-d12	15.57	264	152636	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	649212	76.69	ng	0.00
7) Phenol-d6	6.50	99	835022	80.62	ng	0.00
23) Nitrobenzene-d5	7.43	82	477133	52.73	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	95202	52.75	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	645821	46.53	ng	0.00
78) Terphenyl-d14	12.99	244	425242	55.81	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.17	128	440710	17.419	ng	100
32) Benzoic acid	7.97	122	1371	7.134	ng	# 86
37) 2-Methylnaphthalene	8.86	142	123155	7.532	ng	98
48) Acenaphthylene	9.77	152	44478	2.045	ng	# 90
51) Acenaphthene	9.94	154	216539	17.075	ng	98
54) Dibenzofuran	10.12	168	261357	15.014	ng	96
57) Fluorene	10.46	166	364734	24.595	ng	99
70) Phenanthrene	11.43	178	1683928	103.459	ng	99
71) Anthracene	11.48	178	585907	35.105	ng	98
72) Carbazole	11.64	167	340602	20.493	ng	98
73) Di-n-butylphthalate	11.94	149	160855	7.734	ng	98
74) Fluoranthene	12.63	202	1549410	94.731	ng	99
77) Pvrene	12.86	202	1303904	91.313	ng	98
80) Benzo(a)anthracene	14.06	228	651967	54.863	ng	99
82) Chrysene	14.09	228	587577	50.923	ng	97
85) Indeno(1,2,3-cd)pyrene	17.12	276	170078	18.619	ng	# 92
87) Benzo(b)fluoranthene	15.13	252	505889m	50.409	ng	
88) Benzo(k)fluoranthene	15.16	252	212439m	22.480	ng	
89) Benzo(a)pvrene	15.51	252	354239	39.527	ng	# 95
90) Dibenzo(a,h)anthracene	17.12	278	46924	6.776	ng	# 77
91) Benzo(q,h,i)perylene	17.59	276	139074	20.549	ng	96

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

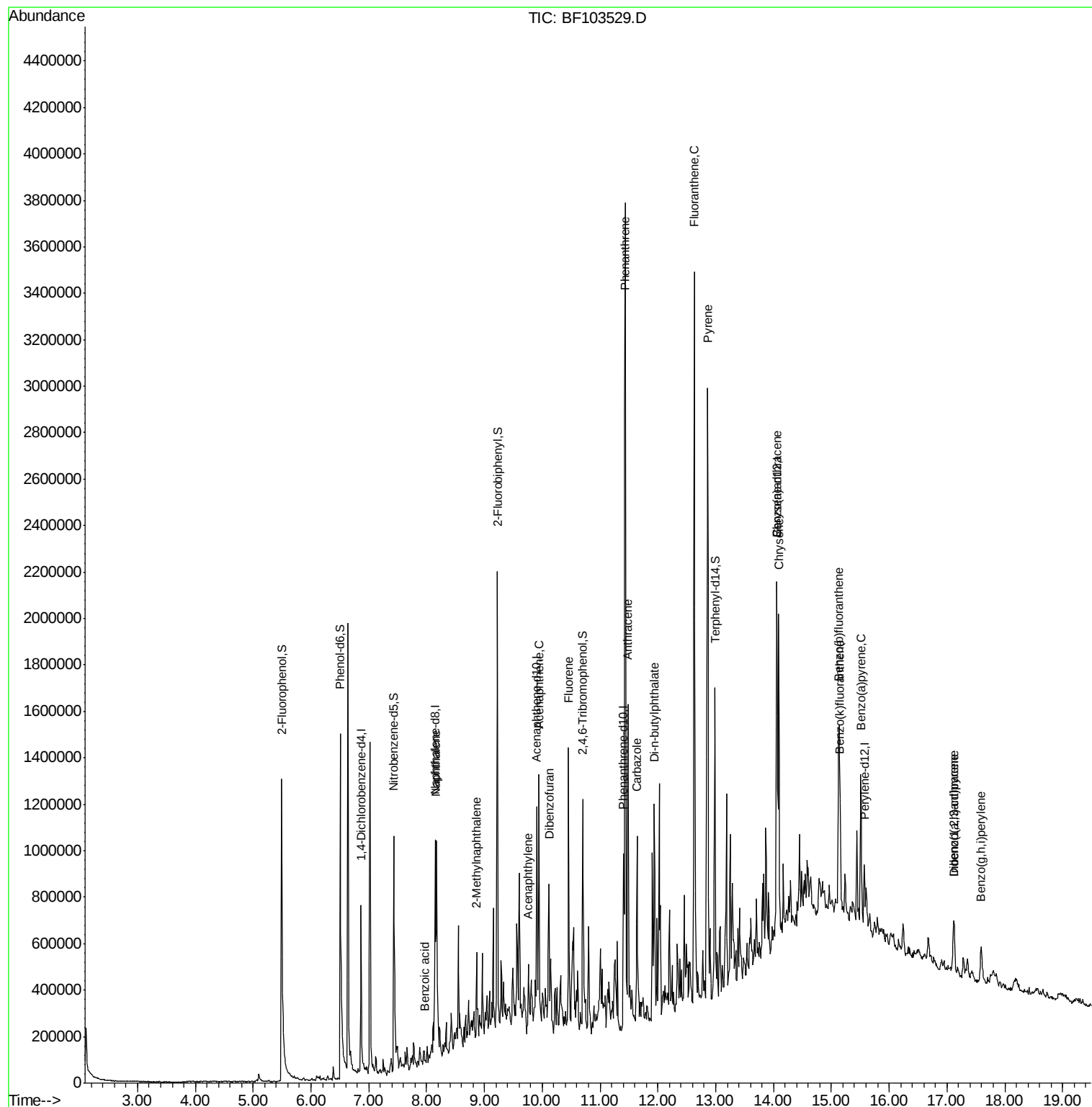
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103529.D
Acq On : 8 Mar 2018 20:55
Operator : SJ/JU
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#1

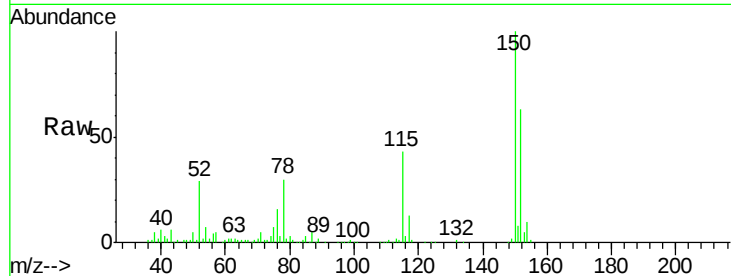
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF103529.D
Acq: 8 Mar 2018 20:55

Instrument :
BNA_F
ClientSampleId :
MHB-WCB

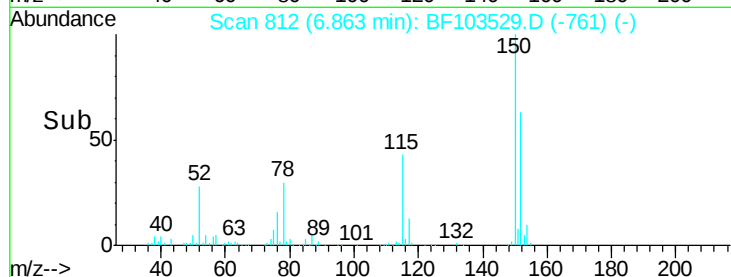
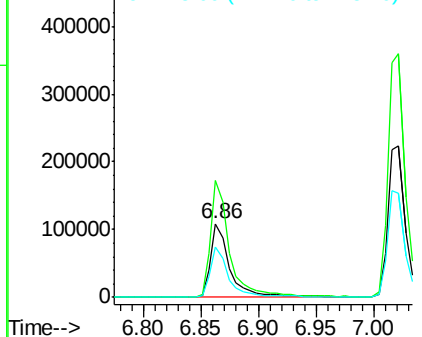
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.6	186.8
115	67.9	50.1	75.1

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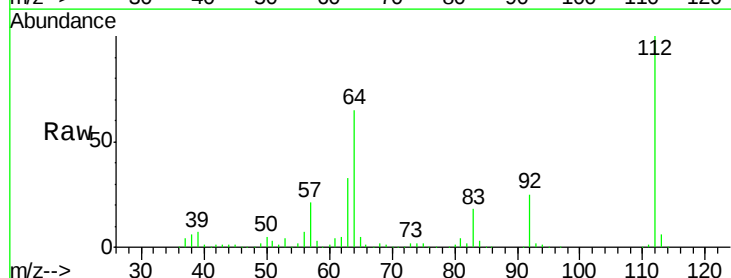
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



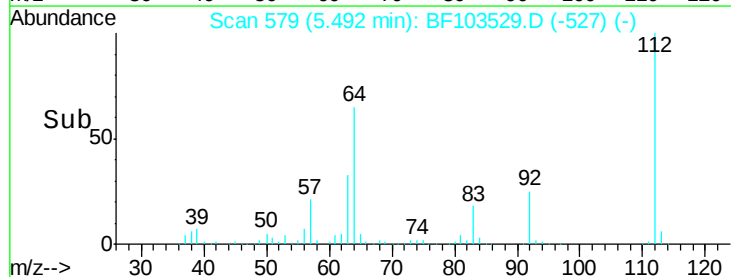
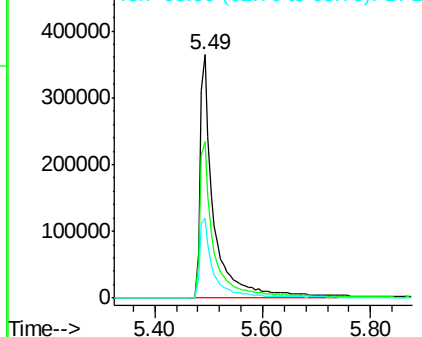
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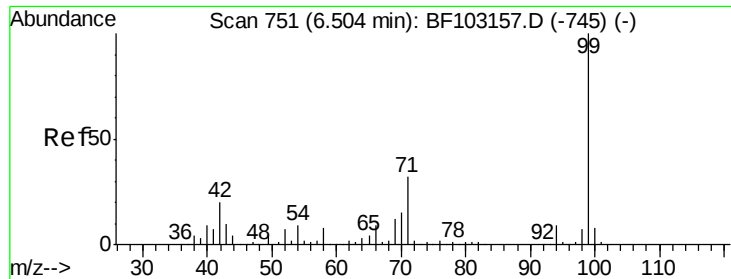
2-Fluorophenol
Concen: 76.694 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103529.D
Acq: 8 Mar 2018 20:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	47.9	71.9
63	32.6	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 80.615 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF103529.D

Acq: 8 Mar 2018 20:55

Instrument :

BNA_F

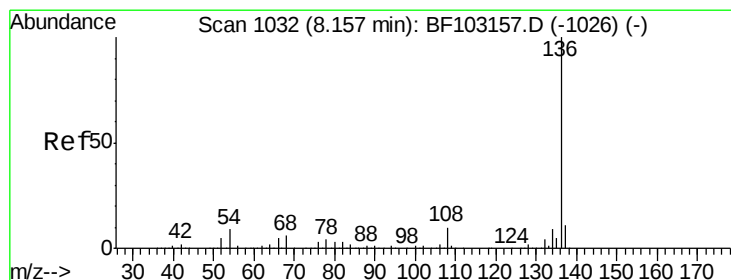
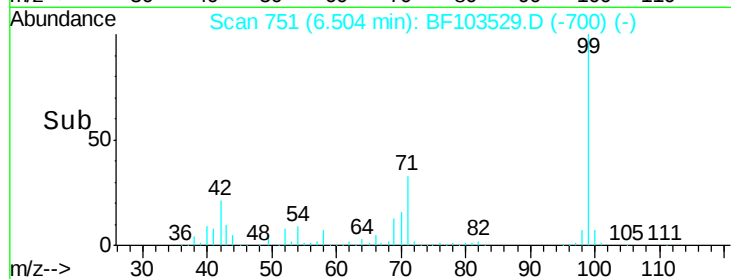
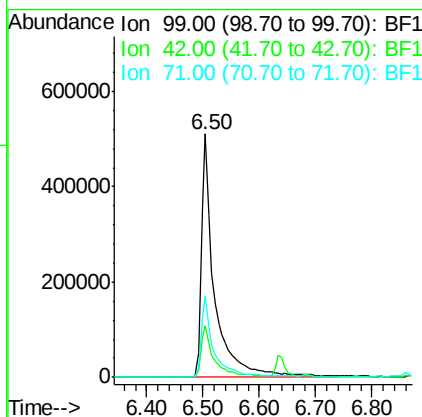
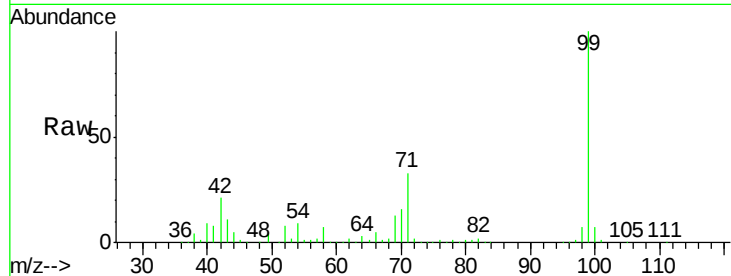
ClientSampleId :

MHB-WCB

Tot Ion:	99	Resp:	835022
Ion Ratio	Lower	Upper	
99	100		
42	21.3	14.5	21.7
71	33.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

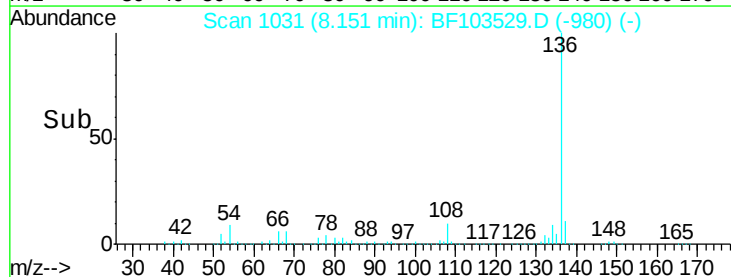
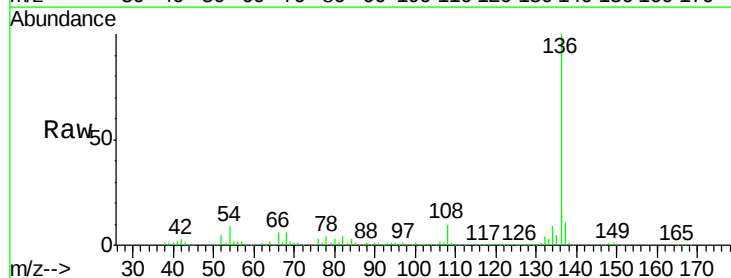
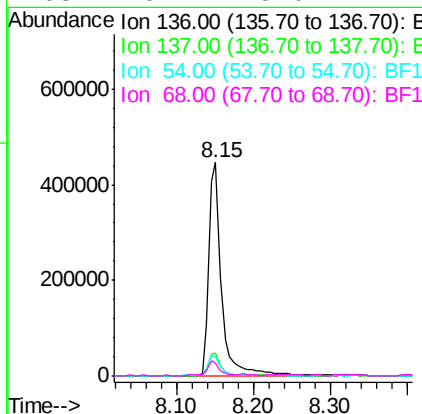
RT: 8.15 min Scan# 1031

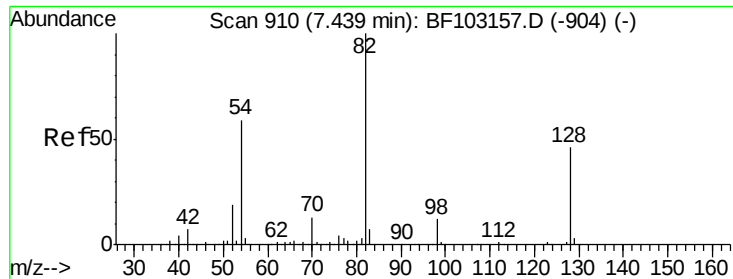
Delta R.T. 0.00 min

Lab File: BF103529.D

Acq: 8 Mar 2018 20:55

Tgt Ion:	136	Resp:	516788
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	8.9	6.6	9.8
68	6.2	5.0	7.4





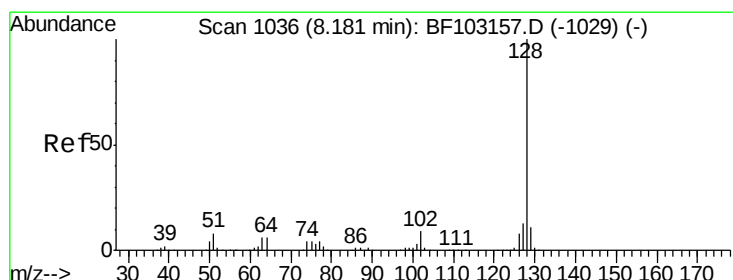
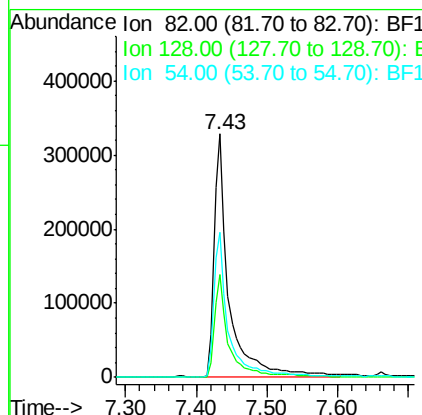
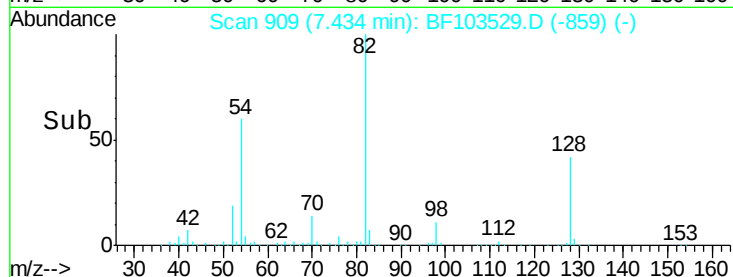
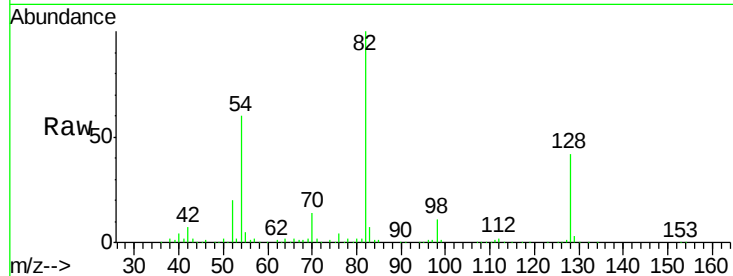
#23
 Nitrobenzene-d5
 Concen: 52.726 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF103529.D
 Acq: 8 Mar 2018 20:55

Instrument :
 BNA_F
 ClientSampleId :
 MHB-WCB

Tot Ion:	82	Resp:	477133
Ion Ratio	Lower	Upper	
82	100		
128	42.1	36.1	54.1
54	59.7	41.4	62.2

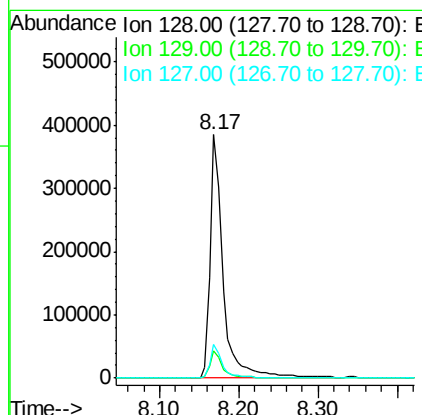
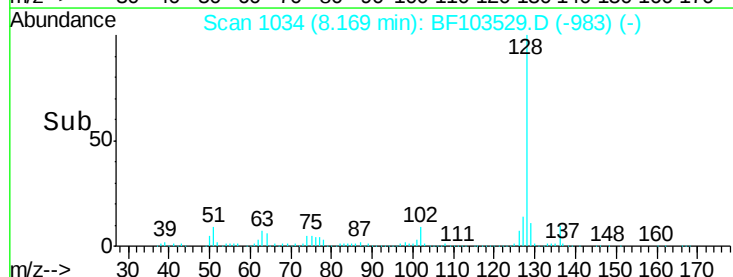
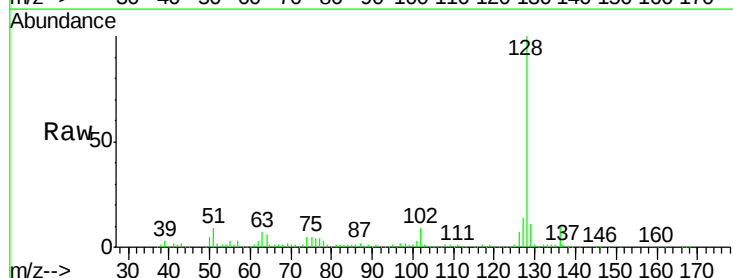
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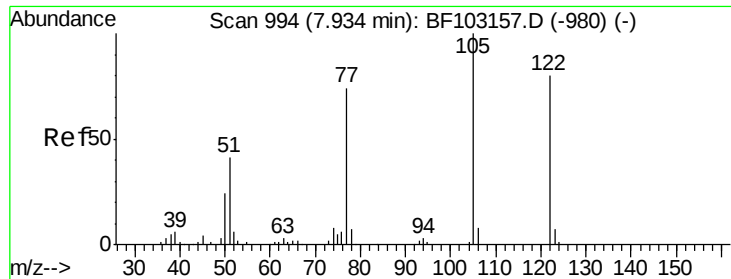
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#31
 Naphthalene
 Concen: 17.419 ng
 RT: 8.17 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: BF103529.D
 Acq: 8 Mar 2018 20:55

Tgt Ion:	128	Resp:	440710
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.8	13.2
127	13.6	10.9	16.3





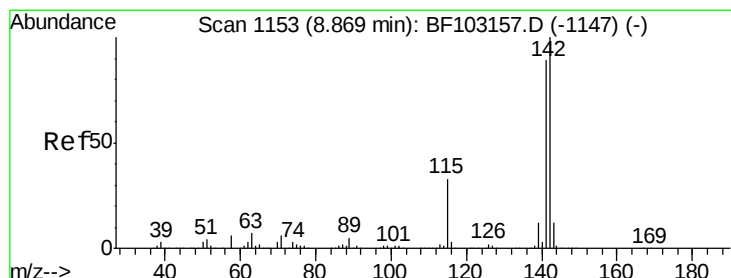
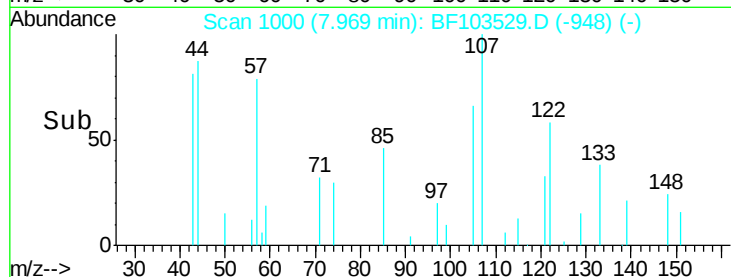
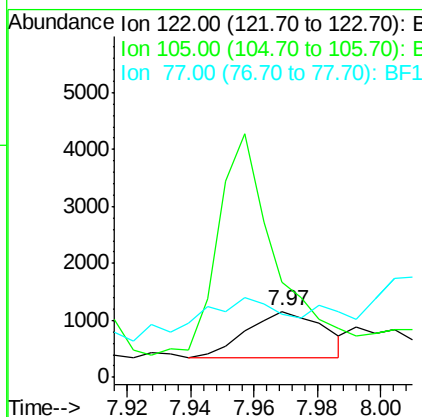
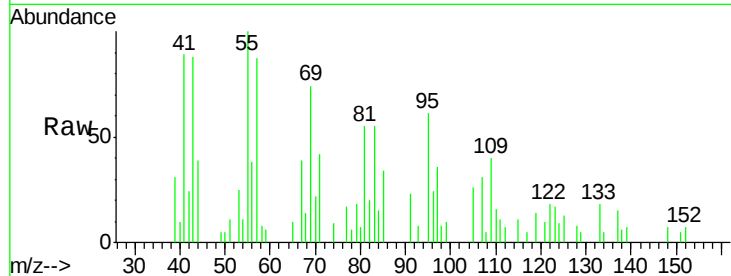
#32
Benzoic acid
Concen: 7.134 ng
RT: 7.97 min Scan# 1000
Delta R.T. 0.01 min
Lab File: BF103529.D
Acq: 8 Mar 2018 20:55

Instrument :
BNA_F
ClientSampleId :
MHB-WCB

Tot Ion	Ratio	Lower	Upper
122	100		
105	143.5	101.1	141.1#
77	95.8	70.7	110.7

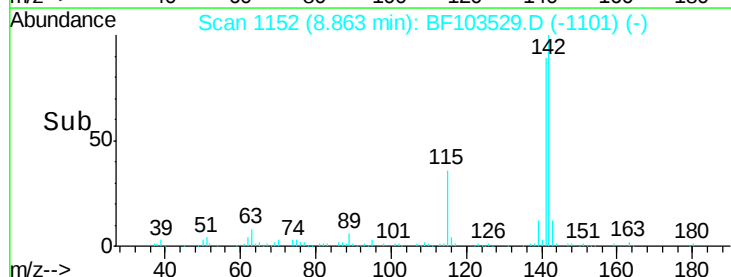
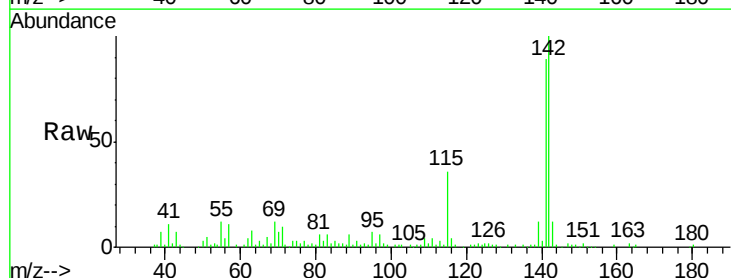
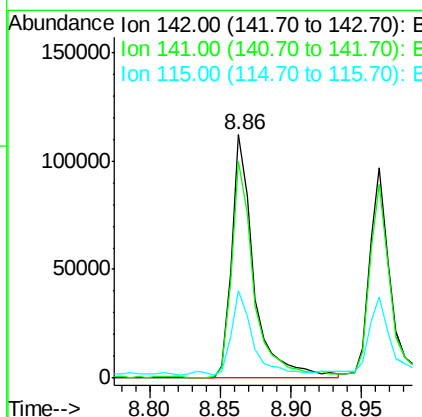
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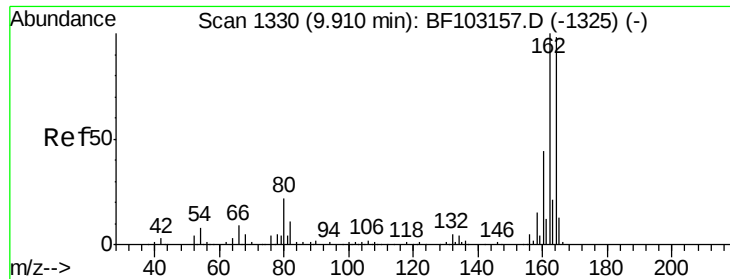
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#37
2-Methylnaphthalene
Concen: 7.532 ng
RT: 8.86 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BF103529.D
Acq: 8 Mar 2018 20:55

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.8	106.2
115	36.1	26.1	39.1





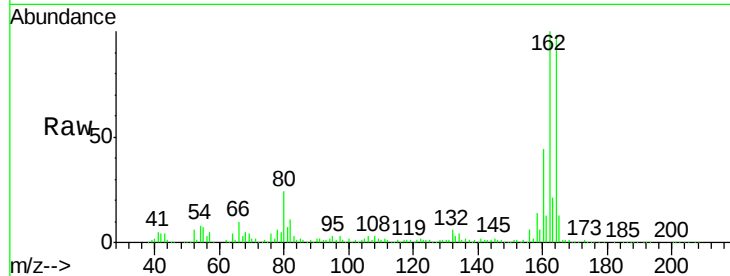
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF103529.D
Acq: 8 Mar 2018 20:55

Instrument :
BNA_F
ClientSampleId :
MHB-WCB

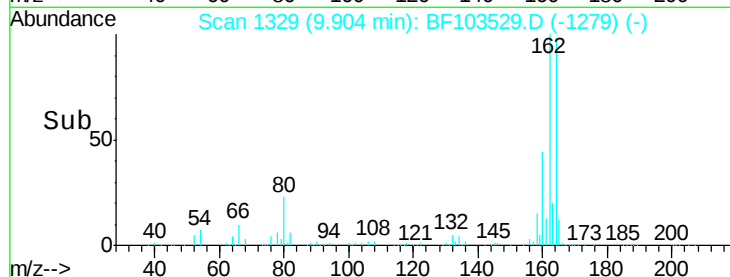
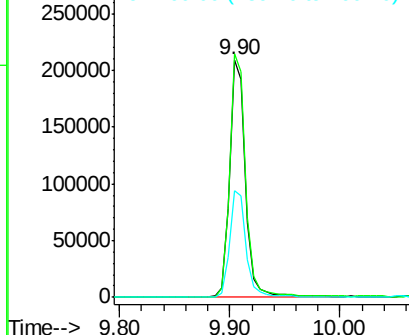
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.4	86.1	129.1	
160	45.1	38.3	57.5	

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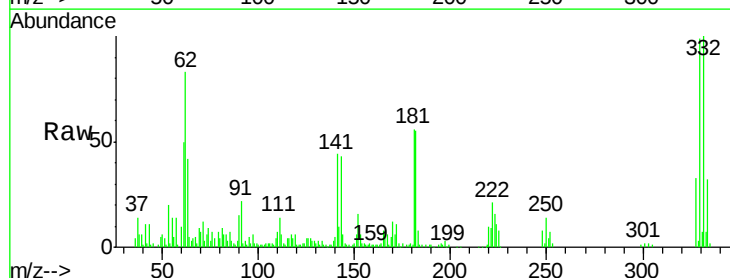
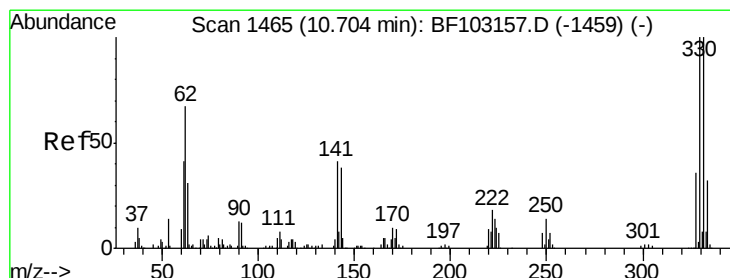
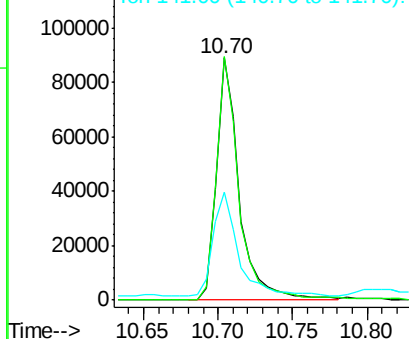
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

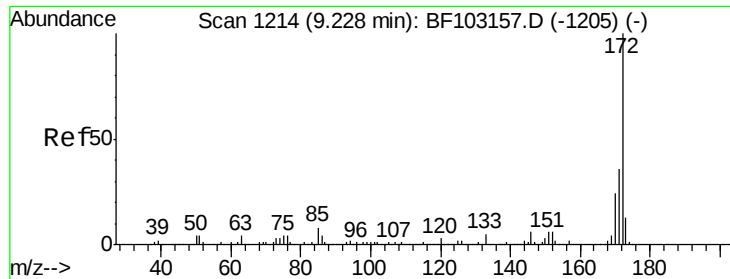


#41
2,4,6-Tribromophenol
Concen: 52.751 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.00 min
Lab File: BF103529.D
Acq: 8 Mar 2018 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	101.3	77.0	115.6	
141	46.5	29.9	44.9#	

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





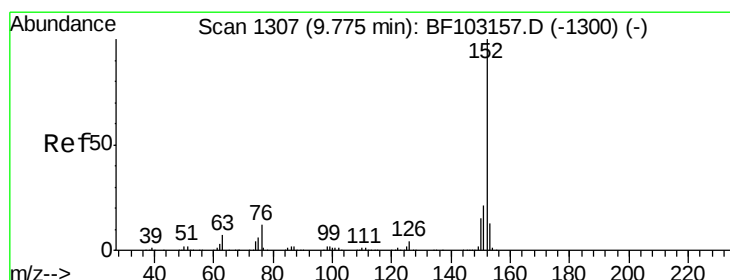
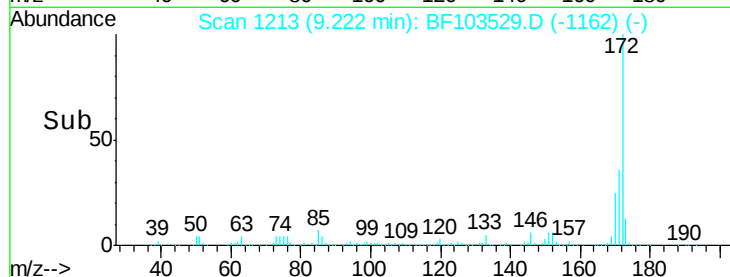
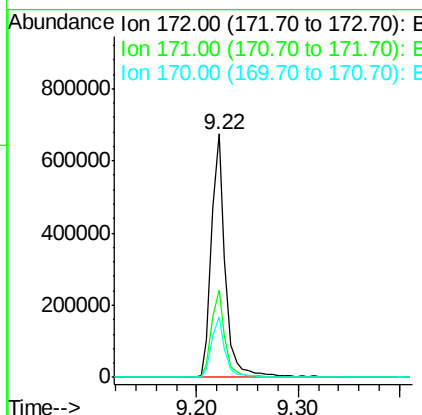
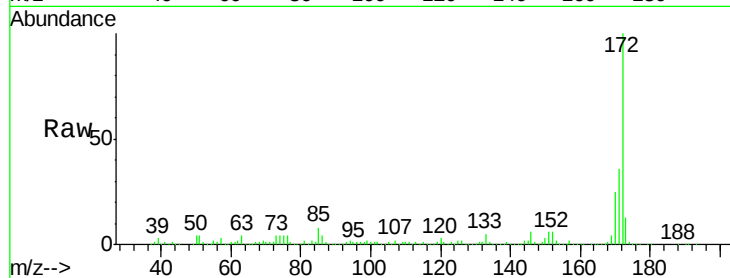
#44
2-Fluorobiphenyl
Concen: 46.526 ng
RT: 9.22 min Scan# 1213
Delta R.T. 0.00 min
Lab File: BF103529.D
Acq: 8 Mar 2018 20:55

Instrument :
BNA_F
ClientSampleId :
MHB-WCB

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.8	19.6	29.4

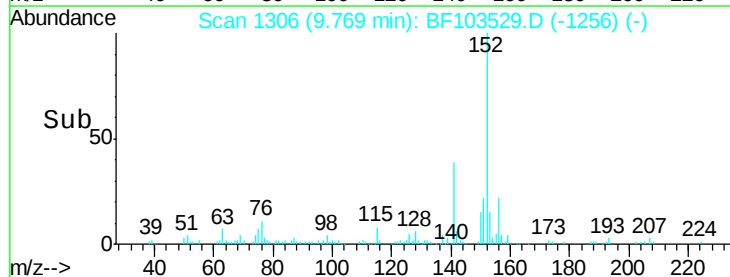
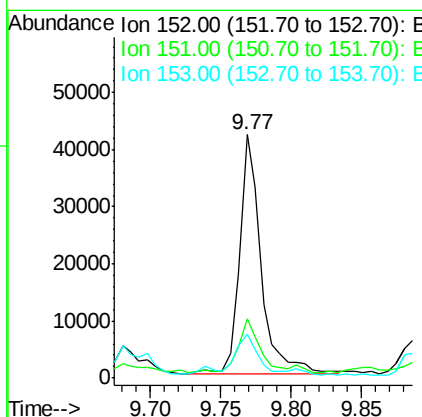
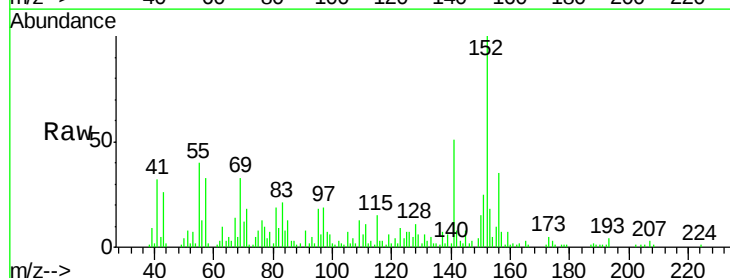
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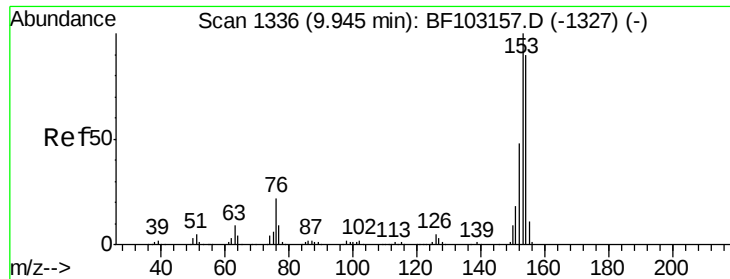
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#48
Acenaphthylene
Concen: 2.045 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF103529.D
Acq: 8 Mar 2018 20:55

Tgt Ion	Ratio	Lower	Upper
152	100		
151	24.6	16.3	24.5#
153	18.1	10.7	16.1#





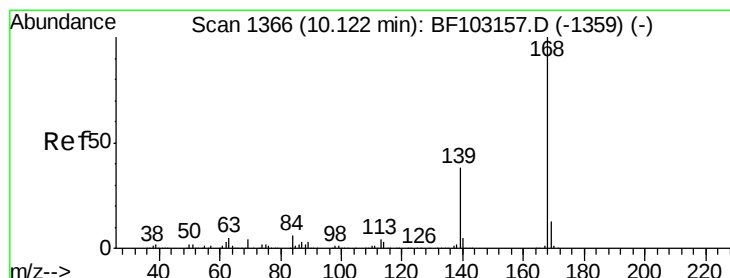
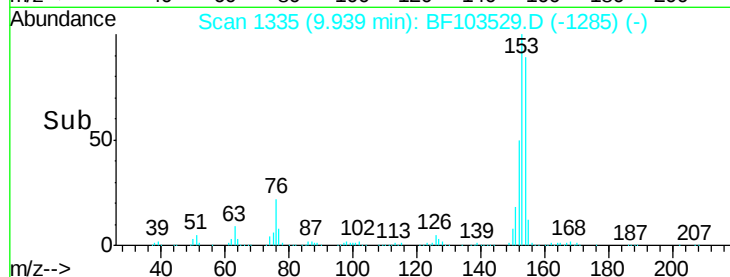
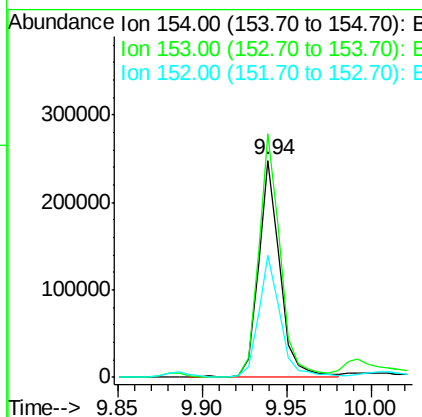
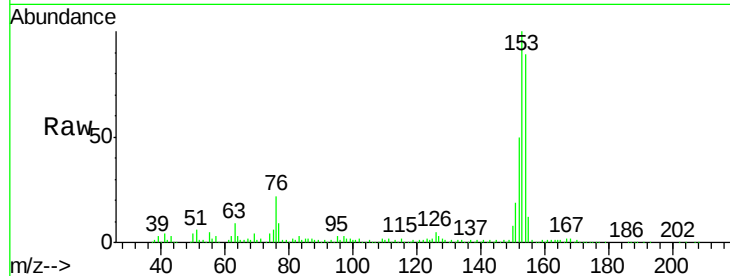
#51
Acenaphthene
Concen: 17.075 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF103529.D
Acq: 8 Mar 2018 20:55

Instrument :
BNA_F
ClientSampleId :
MHB-WCB

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.1	91.2	136.8
152	56.2	43.8	65.8

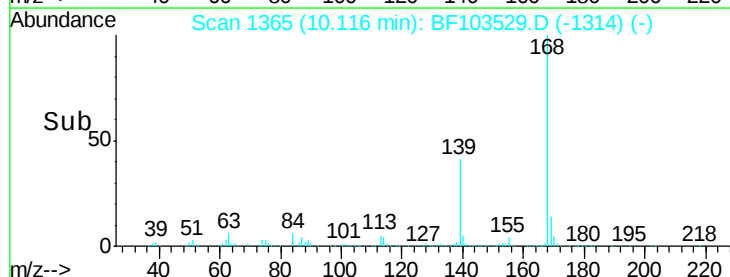
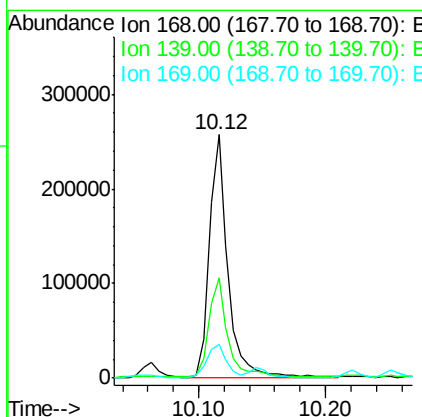
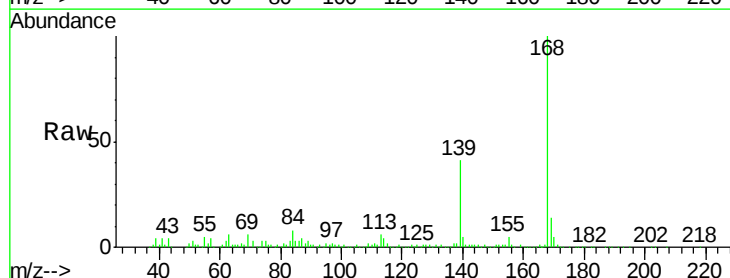
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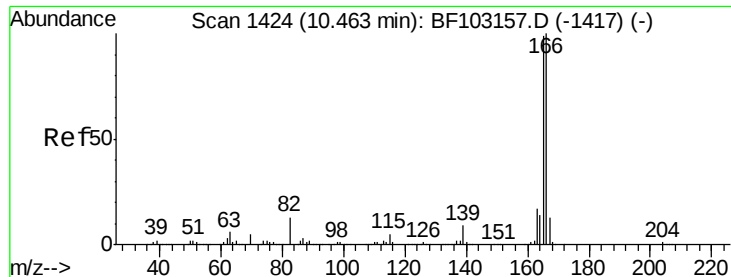
Sohil
3/9/2018 11:39:44 AM



#54
Dibenzofuran
Concen: 15.014 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.00 min
Lab File: BF103529.D
Acq: 8 Mar 2018 20:55

Tgt Ion	Ratio	Lower	Upper
168	100		
139	41.0	30.1	45.1
169	13.8	10.9	16.3





#57

Fluorene

Concen: 24.595 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.01 min

Lab File: BF103529.D

Acq: 8 Mar 2018 20:55

Instrument :

BNA_F

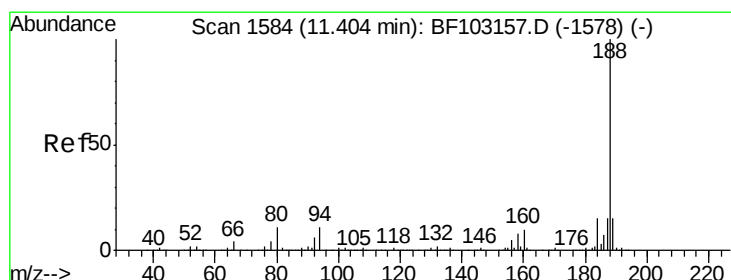
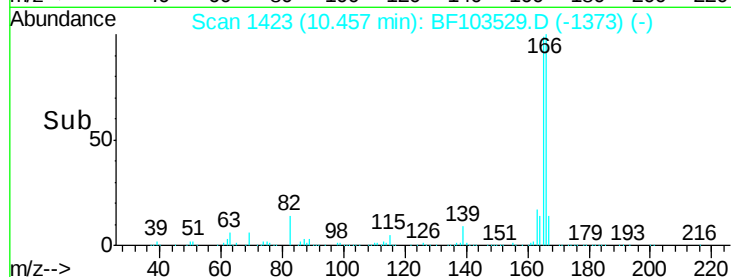
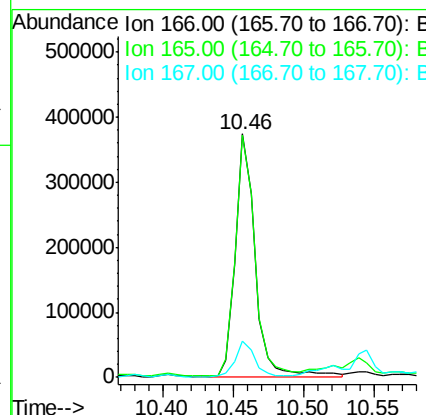
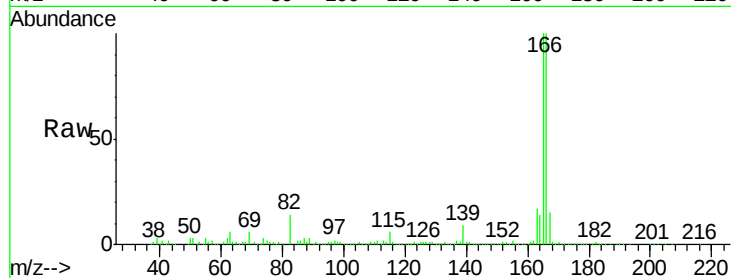
ClientSampleId :

MHB-WCB

Tot Ion:	166	Resp:	364734
Ion Ratio	Lower	Upper	
166	100		
165	99.5	79.8	119.8
167	14.7	10.6	16.0

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3/9/2018 11:39:44 AM



#63

Phenanthrene-d10

Concen: 20.000 ng

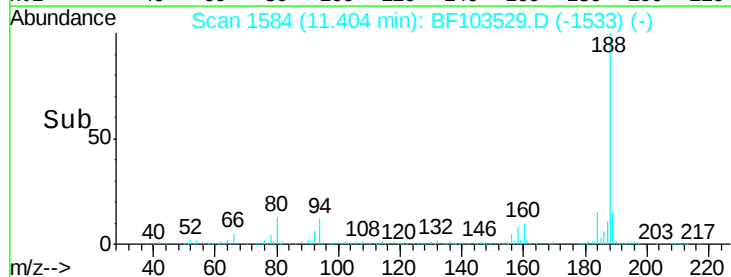
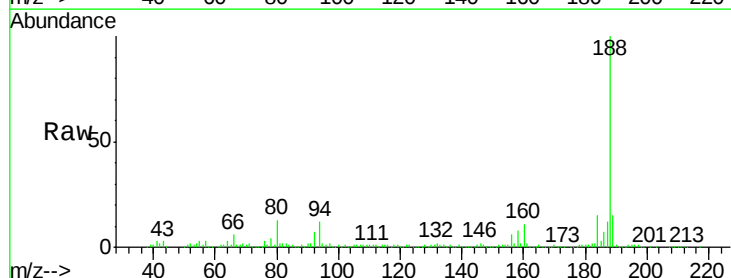
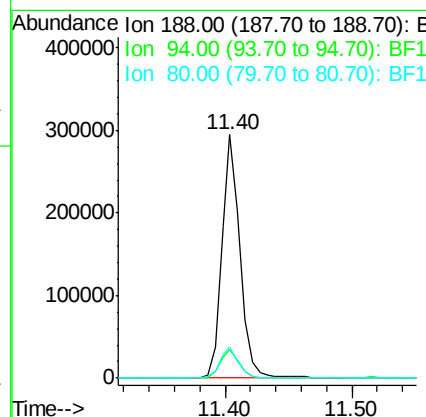
RT: 11.40 min Scan# 1584

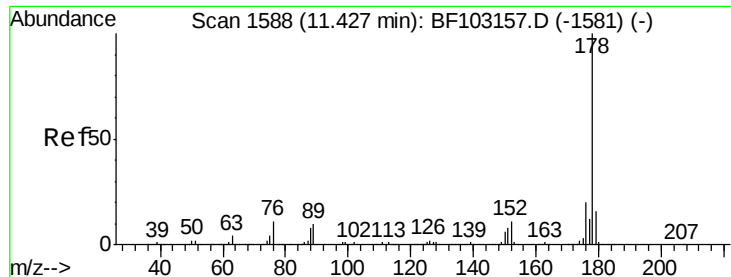
Delta R.T. 0.00 min

Lab File: BF103529.D

Acq: 8 Mar 2018 20:55

Tgt Ion:	188	Resp:	295755
Ion Ratio	Lower	Upper	
188	100		
94	11.8	8.5	12.7
80	12.9	9.2	13.8





#70

Phenanthrene

Concen: 103.459 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.01 min

Lab File: BF103529.D

Acq: 8 Mar 2018 20:55

Instrument :

BNA_F

ClientSampleId :

MHB-WCB

Tot Ion:178 Resp: 1683928

Ion Ratio Lower Upper

178 100

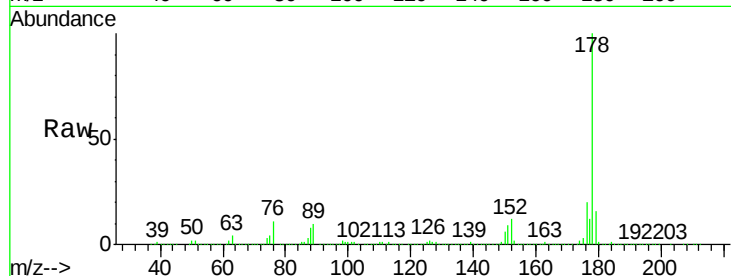
176 20.1 15.8 23.8

179 15.7 13.0 19.6

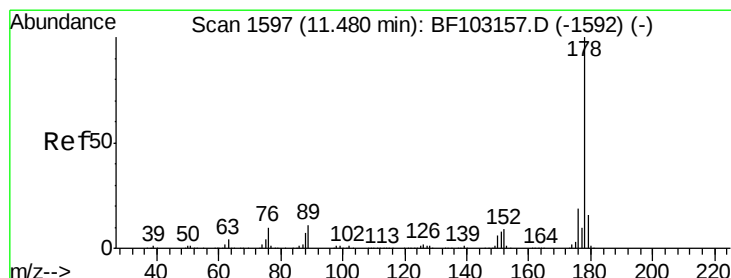
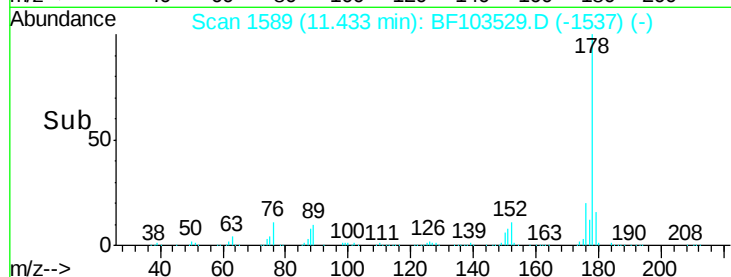
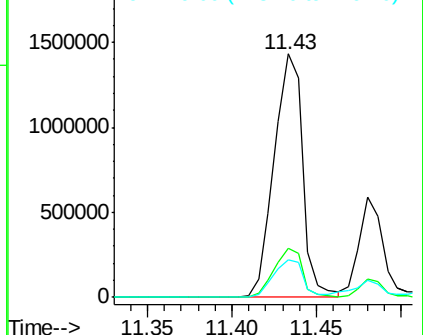
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 35.105 ng

RT: 11.48 min Scan# 1597

Delta R.T. 0.00 min

Lab File: BF103529.D

Acq: 8 Mar 2018 20:55

Tgt Ion:178 Resp: 585907

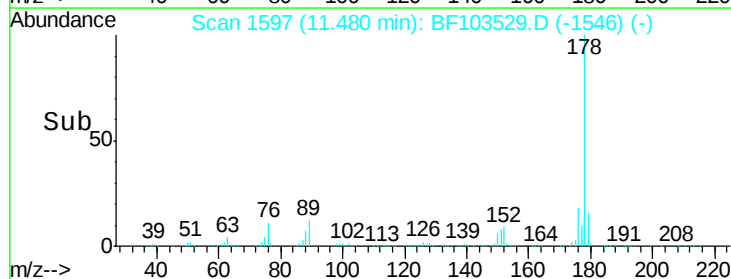
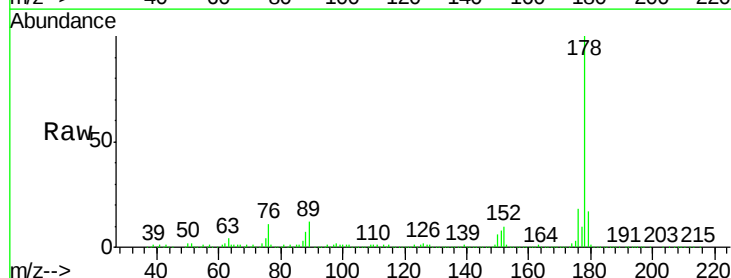
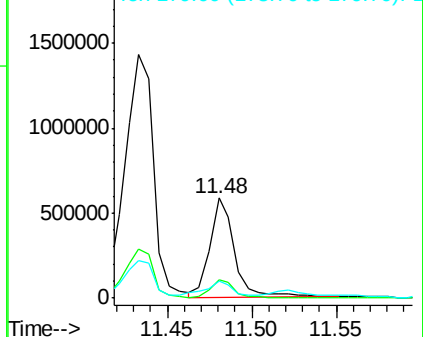
Ion Ratio Lower Upper

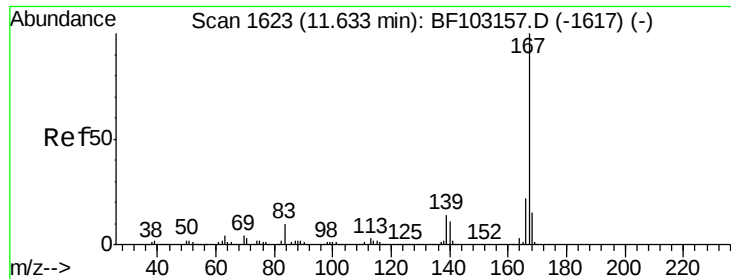
178 100

176 18.4 15.4 23.2

179 16.6 12.6 19.0

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





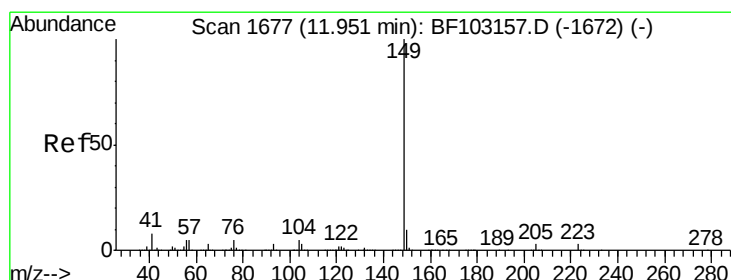
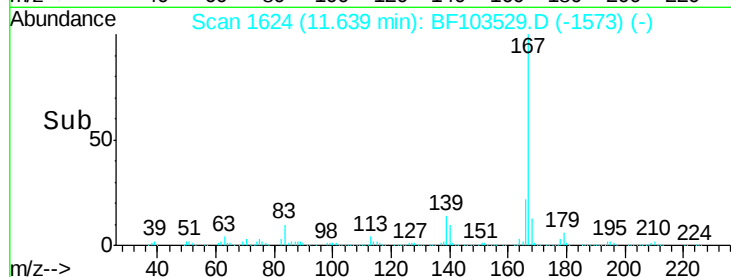
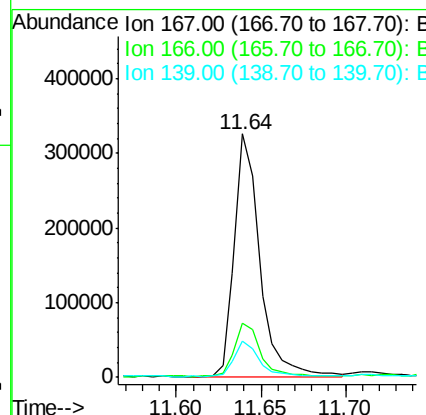
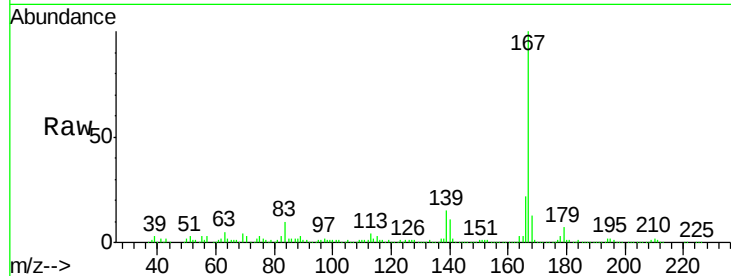
#72
 Carbazole
 Concen: 20.493 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. 0.00 min
 Lab File: BF103529.D
 Acq: 8 Mar 2018 20:55

Instrument :
 BNA_F
 ClientSampleId :
 MHB-WCB

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.6	26.4
139	14.8	10.9	16.3

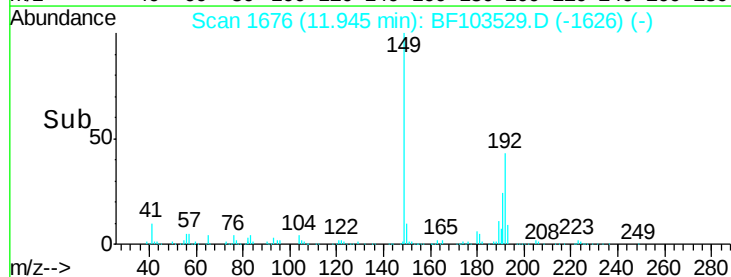
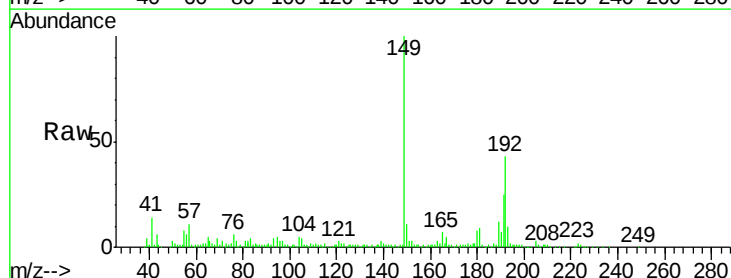
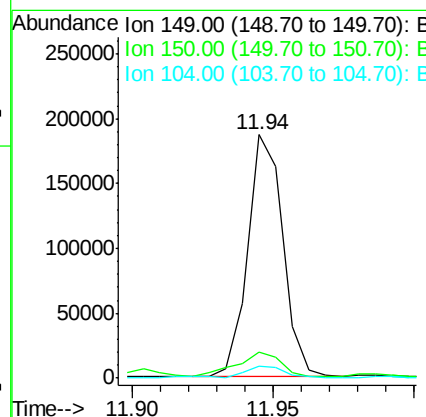
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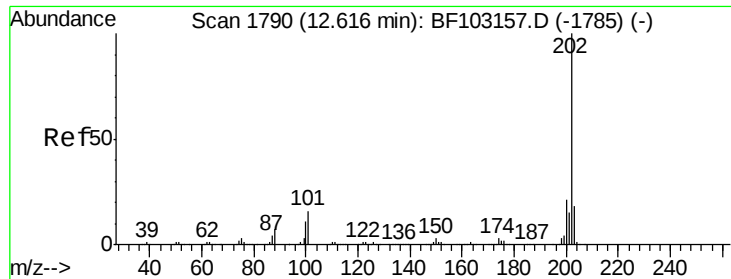
Sohil
 3/9/2018 11:39:44 AM



#73
 Di-n-butylphthalate
 Concen: 7.734 ng
 RT: 11.94 min Scan# 1676
 Delta R.T. -0.01 min
 Lab File: BF103529.D
 Acq: 8 Mar 2018 20:55

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.5	7.8	11.6
104	5.0	3.8	5.8





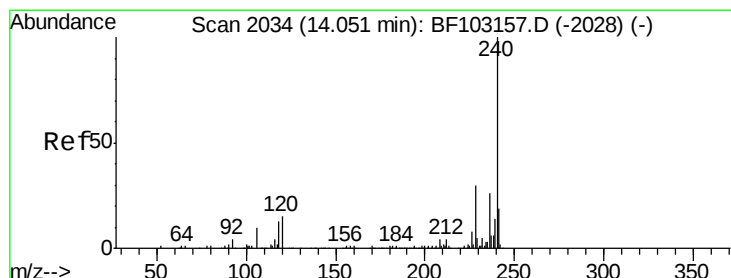
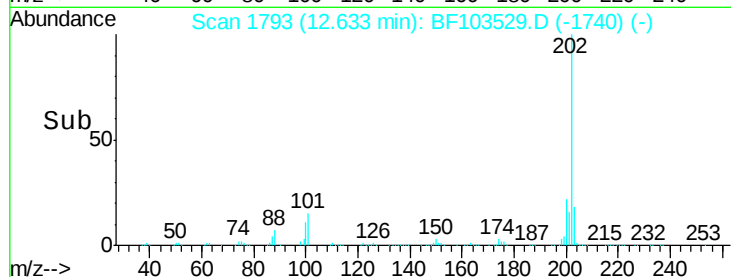
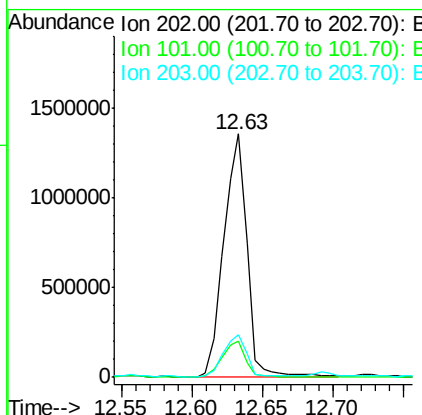
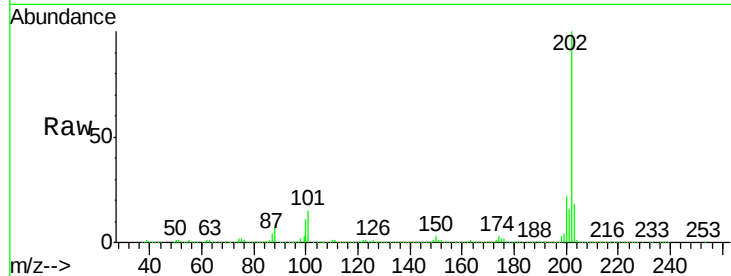
#74
 Fluoranthene
 Concen: 94.731 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. 0.01 min
 Lab File: BF103529.D
 Acq: 8 Mar 2018 20:55

Instrument :
 BNA_F
 ClientSampleId :
 MHB-WCB

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	34.1
203	17.7	0.0	38.1

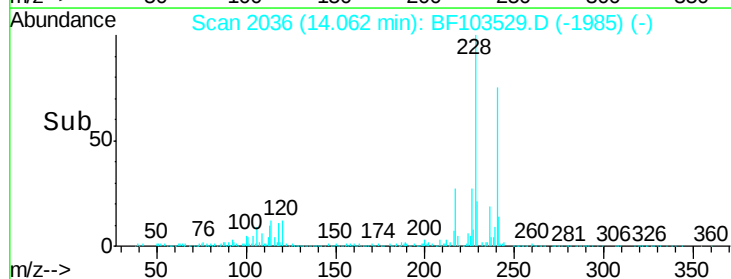
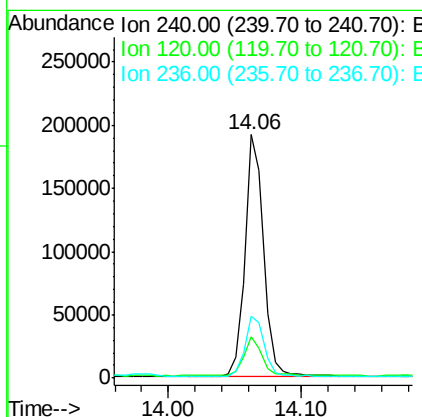
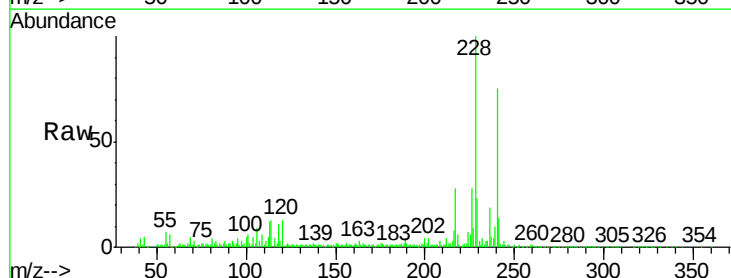
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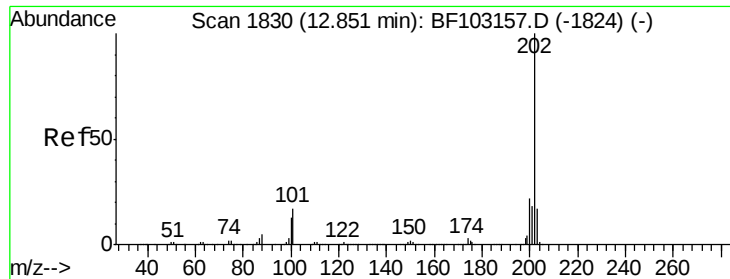
Sohil
 3/9/2018 11:39:44 AM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: BF103529.D
 Acq: 8 Mar 2018 20:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	17.0	9.5	14.3#
236	25.5	20.7	31.1





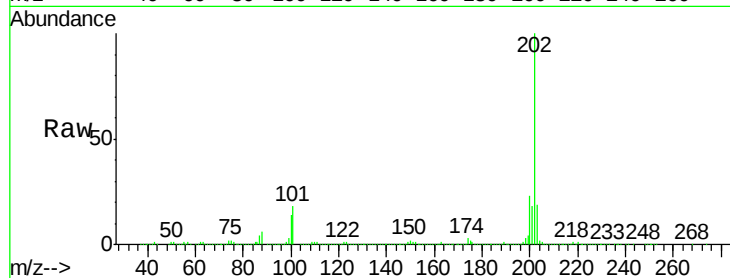
#77
Pvrene
Concen: 91.313 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BF103529.D
Acq: 8 Mar 2018 20:55

Instrument :
BNA_F
ClientSampleId :
MHB-WCB

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.5	17.4	26.2
203	18.7	14.3	21.5

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3/9/2018 11:39:44 AM

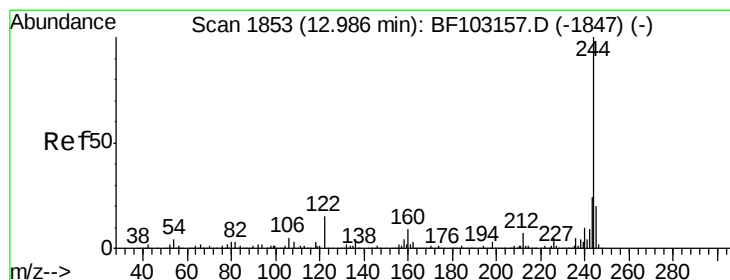
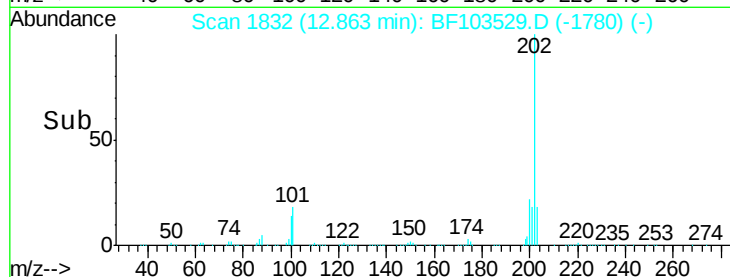
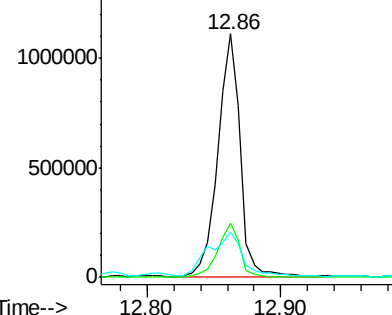


Abundance

Ion 202.00 (201.70 to 202.70): E

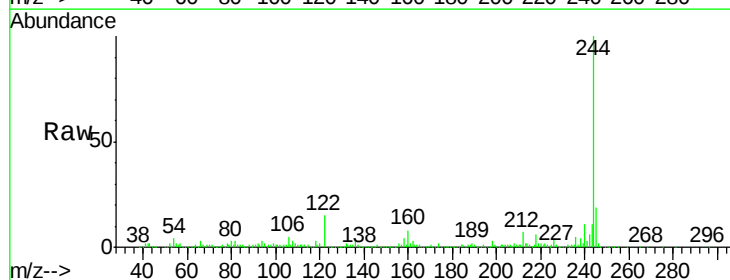
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78
Terphenyl-d14
Concen: 55.814 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.00 min
Lab File: BF103529.D
Acq: 8 Mar 2018 20:55

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	14.9	11.0	16.4

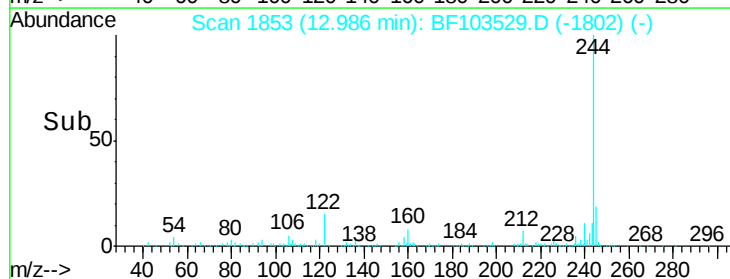
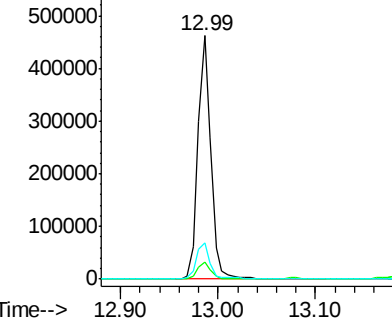


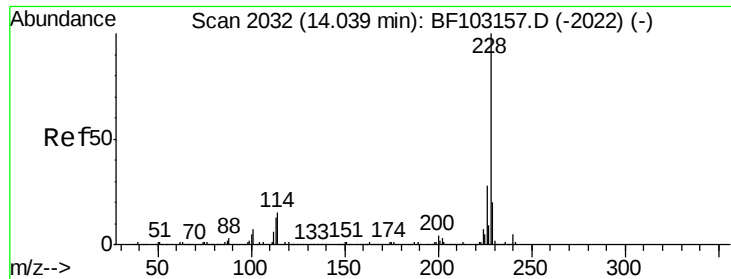
Abundance

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





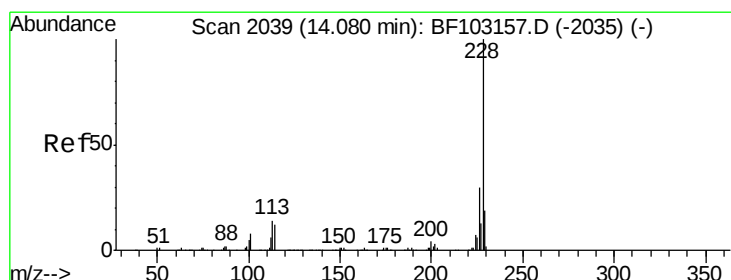
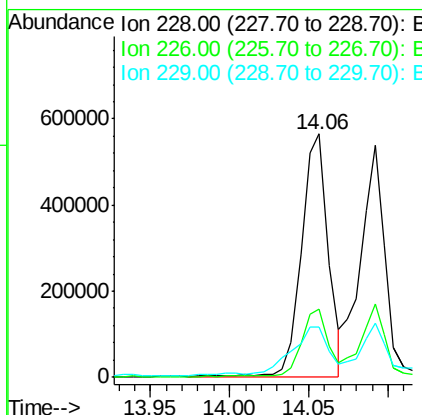
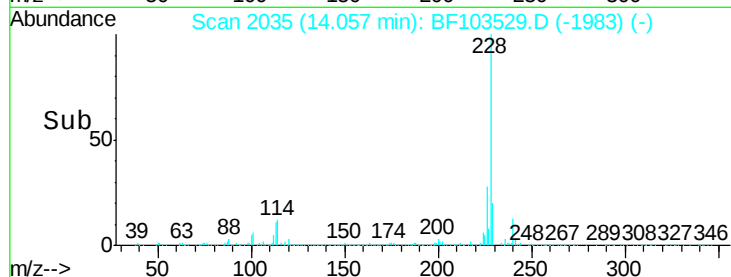
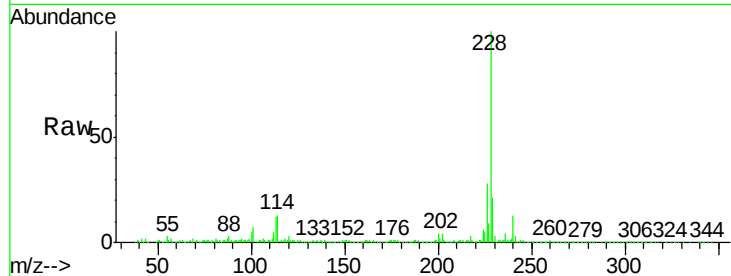
#80
Benzo(a)anthracene
Concen: 54.863 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF103529.D
Acq: 8 Mar 2018 20:55

Instrument :
BNA_F
ClientSampleId :
MHB-WCB

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	20.9	15.8	23.6

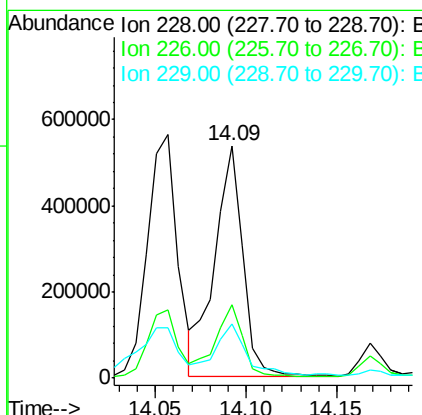
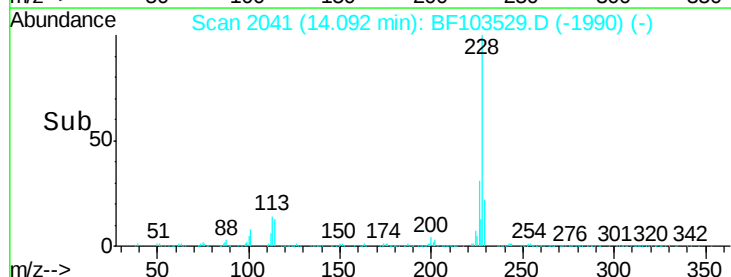
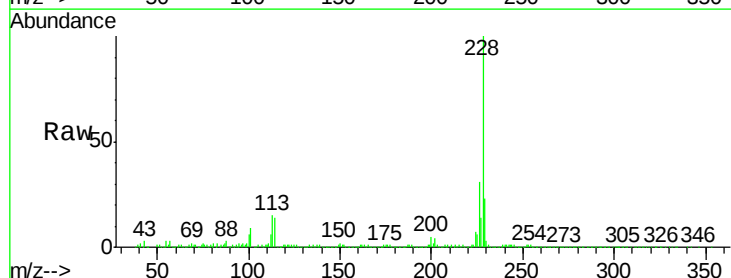
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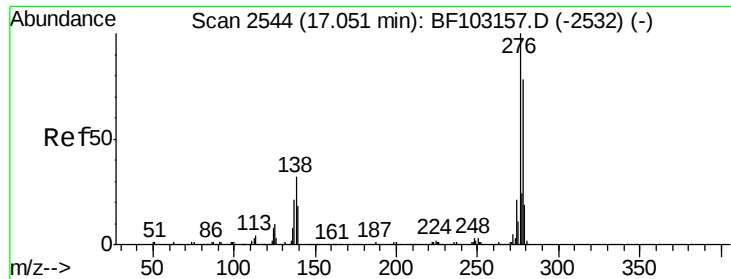
Sohil
3/9/2018 11:39:44 AM



#82
Chrysene
Concen: 50.923 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.00 min
Lab File: BF103529.D
Acq: 8 Mar 2018 20:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	23.2	16.2	24.4





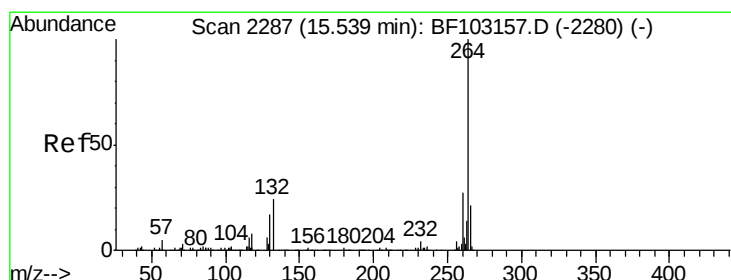
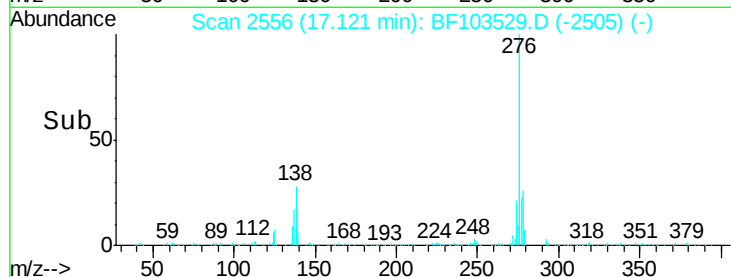
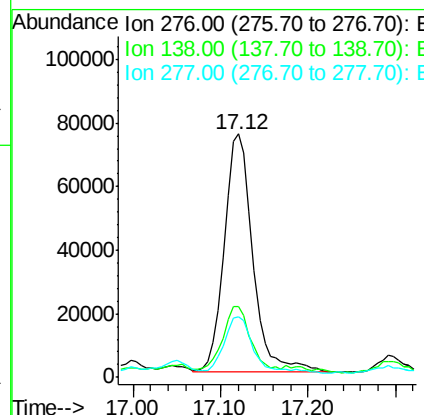
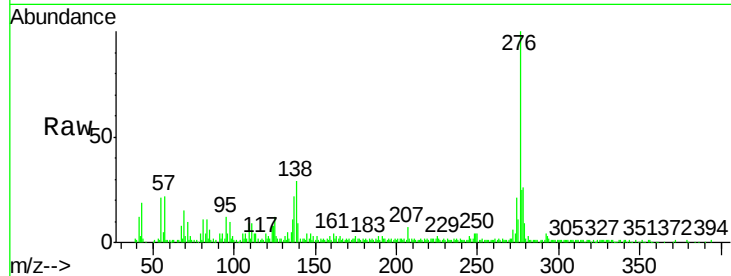
#85
Indeno(1,2,3-cd)pyrene
Concen: 18.619 ng
RT: 17.12 min Scan# 2556
Delta R.T. 0.00 min
Lab File: BF103529.D
Acq: 8 Mar 2018 20:55

Instrument :
BNA_F
ClientSampleId :
MHB-WCB

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.3	25.0	37.6#
277	24.0	20.1	30.1

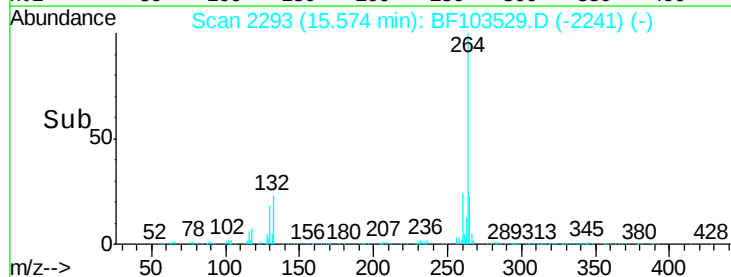
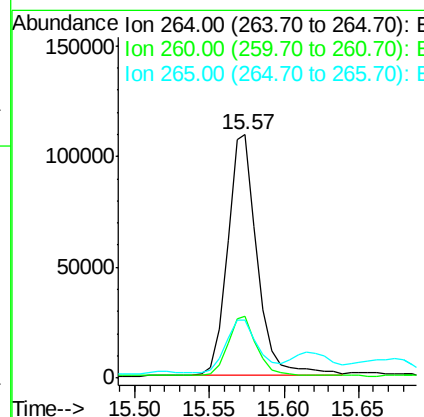
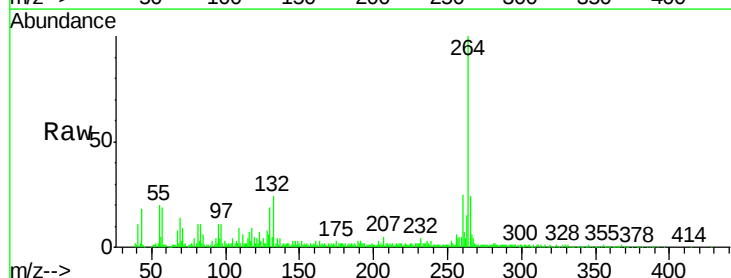
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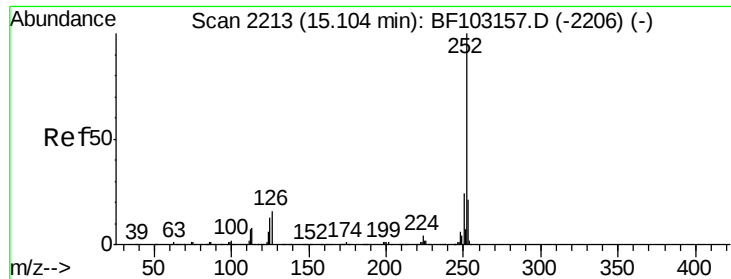
Sohil
3/9/2018 11:39:44 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.01 min
Lab File: BF103529.D
Acq: 8 Mar 2018 20:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.2	28.8
265	23.8	17.5	26.3





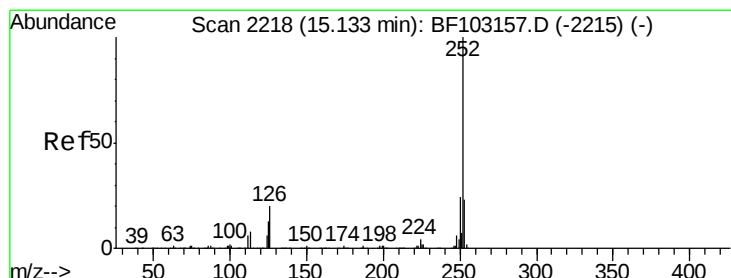
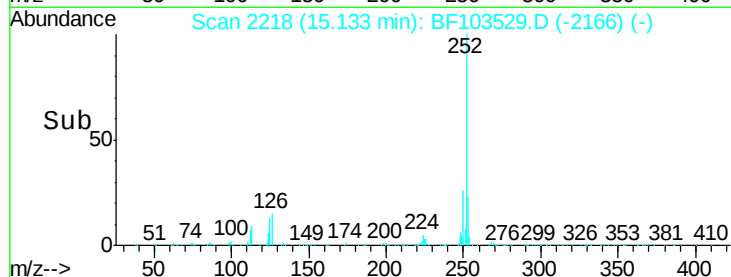
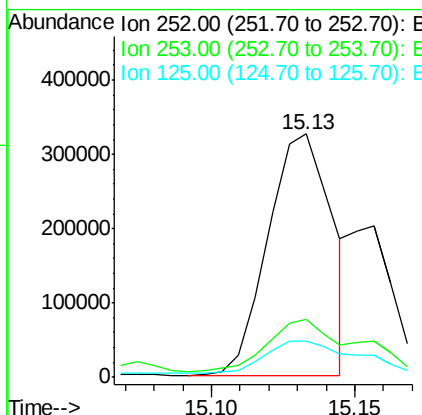
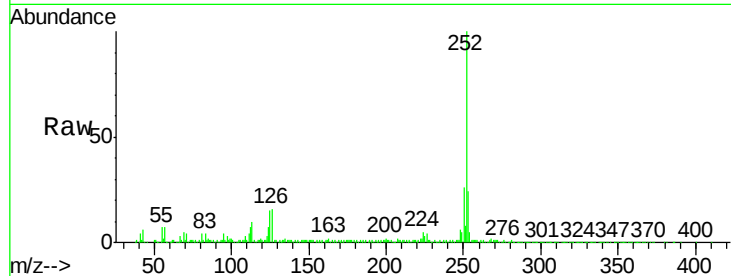
#87
Benzo(b)fluoranthene
Concen: 50.409 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BF103529.D
Acq: 8 Mar 2018 20:55

Instrument :
BNA_F
ClientSampleId :
MHB-WCB

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	14.9	9.0	13.6

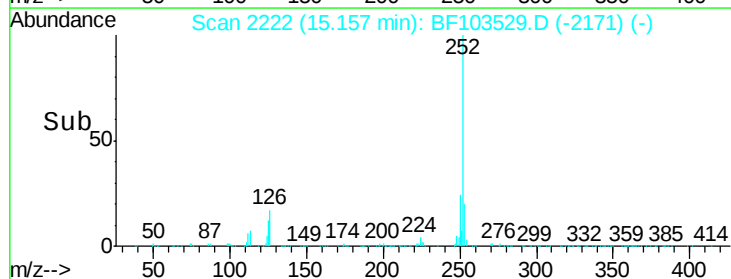
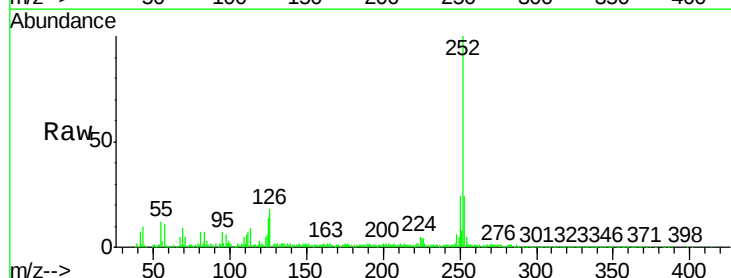
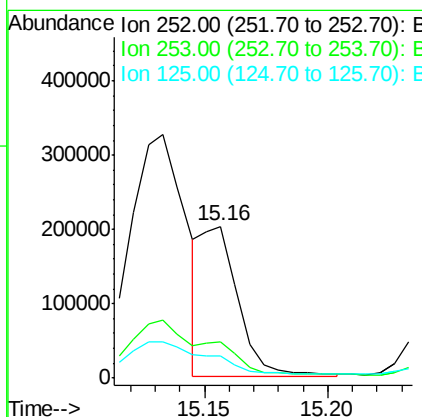
Manual Integrations
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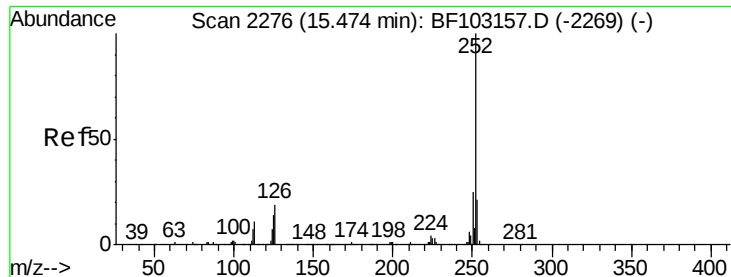
Sohil
3/9/2018 11:39:44 AM



#88
Benzo(k)fluoranthene
Concen: 22.480 ng m
RT: 15.16 min Scan# 2222
Delta R.T. 0.00 min
Lab File: BF103529.D
Acq: 8 Mar 2018 20:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	14.3	10.2	15.2





#89

Benzo(a)pyrene

Concen: 39.527 ng

RT: 15.51 min Scan# 2282

Delta R.T. 0.00 min

Lab File: BF103529.D

Acq: 8 Mar 2018 20:55

Instrument :

BNA_F

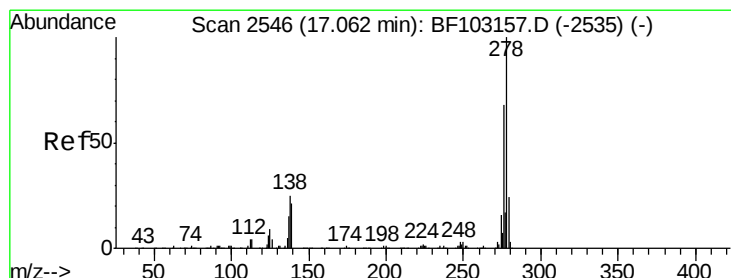
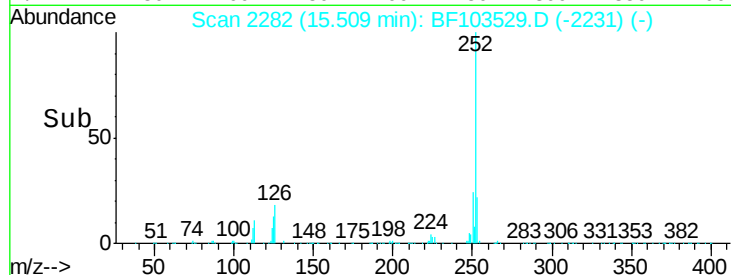
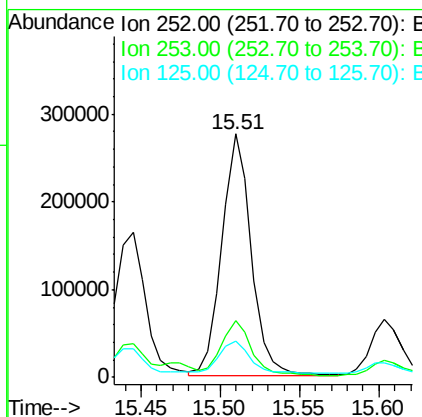
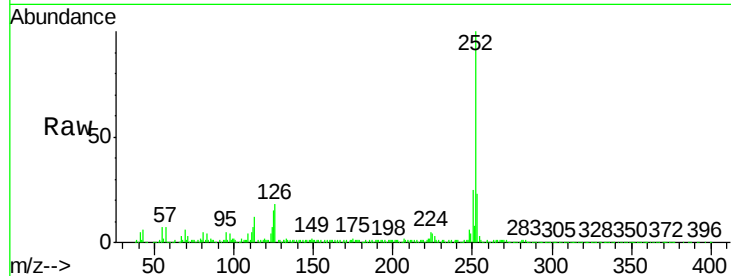
ClientSampled :

MHB-WCB

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	14.7	9.8	14.6

Manual Integrations
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#90

Dibenzo(a,h)anthracene

Concen: 6.776 ng

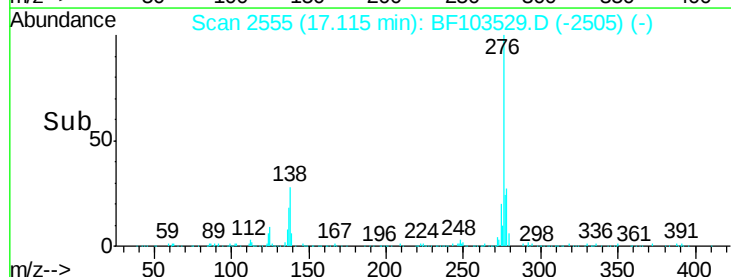
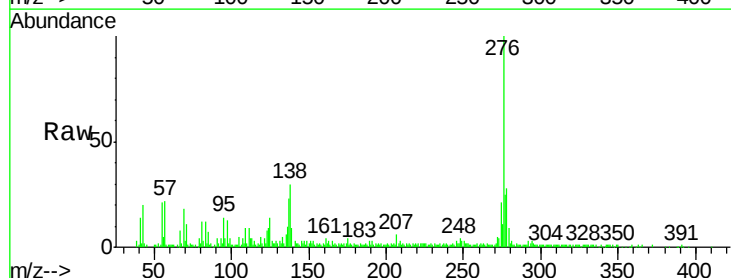
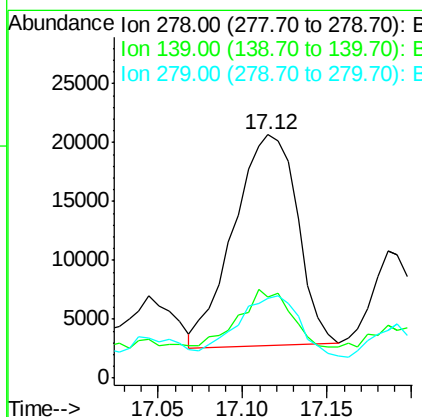
RT: 17.12 min Scan# 2555

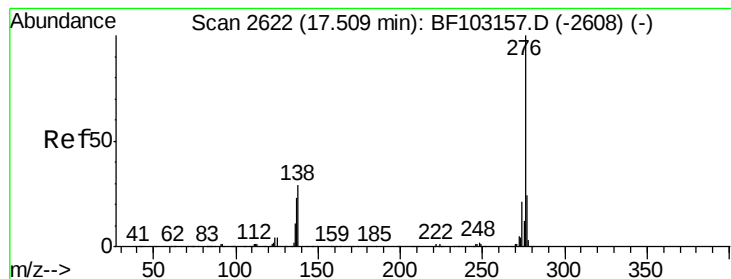
Delta R.T. -0.01 min

Lab File: BF103529.D

Acq: 8 Mar 2018 20:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	33.2	15.9	23.9
279	32.9	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 20.549 ng

RT: 17.59 min Scan# 2636

Delta R.T. 0.01 min

Lab File: BF103529.D

Acq: 8 Mar 2018 20:55

Instrument :

BNA_F

ClientSampleId :

MHB-WCB

Tot Ion:	276	Resp:	139074
Ion Ratio	Lower	Upper	
276	100		
277	25.5	17.9	26.9
138	28.3	21.8	32.8

Manual Integrations
APPROVED

Sohil
3/9/2018 11:39:44 AM

