

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104140.D
 Acq On : 2 Apr 2018 17:26
 Operator : JU/SJ
 Sample : J2173-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW30D-GW

Manual Integrations
 APPROVED

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 4/3/2018 2:27:19 PM

Quant Time: Apr 03 08:39:51 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 02 13:40:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	109456	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	194260	20.00	ng	0.01
38) Acenaphthene-d10	10.00	164	190757	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	278690	20.00	ng	0.00
75) Chrysene-d12	14.15	240	222910	20.00	ng	0.00
86) Perylene-d12	15.70	264	243370	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	218023	31.77	ng	0.03
7) Phenol-d6	6.61	99	194926	23.08	ng	0.01
23) Nitrobenzene-d5	7.53	82	400916	126.21	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	158363	74.56	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	811502	67.08	ng	0.00
78) Terphenyl-d14	13.08	244	471886	48.88	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.80	88	14789	4.996	ng	95
3) Pyridine	3.66	79	15320	2.044	ng	88
10) Phenol	6.63	94	89296	9.544	ng	78
17) 2-Methylphenol	7.22	107	120170	19.611	ng	96
20) 3+4-Methylphenols	7.38	107	225527	28.838	ng	96
27) 2,4-Dimethylphenol	7.93	122	507373	201.653	ng	98
31) Naphthalene	8.30	128	15679147m	1652.129	ng	
37) 2-Methylnaphthalene	8.97	142	1836612	293.797	ng	97
45) 1,1'-Biphenyl	9.42	154	623297	38.071	ng	99
48) Acenaphthylene	9.86	152	71489	3.654	ng	# 90
49) Dimethylphthalate	9.72	163	52531	3.488	ng	# 94
51) Acenaphthene	10.05	154	1070702	94.600	ng	99
54) Dibenzofuran	10.22	168	1269040	76.781	ng	97
57) Fluorene	10.56	166	524817	38.494	ng	99
61) 4-Nitroaniline	10.56	138	8126	2.332	ng	89
70) Phenanthrene	11.53	178	549152	36.395	ng	99
71) Anthracene	11.57	178	48744m	3.093	ng	
72) Carbazole	11.74	167	542358	36.056	ng	99

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

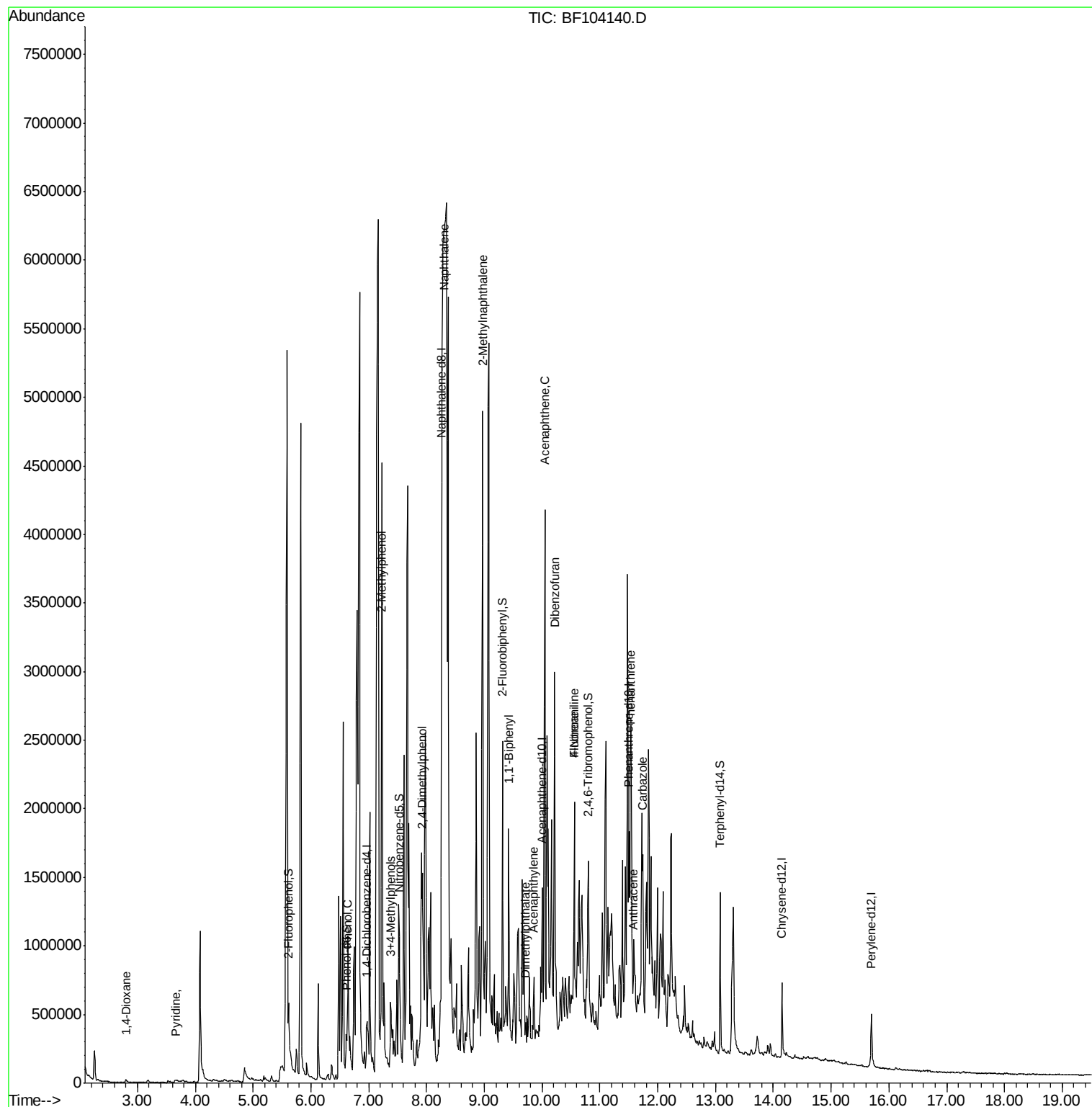
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
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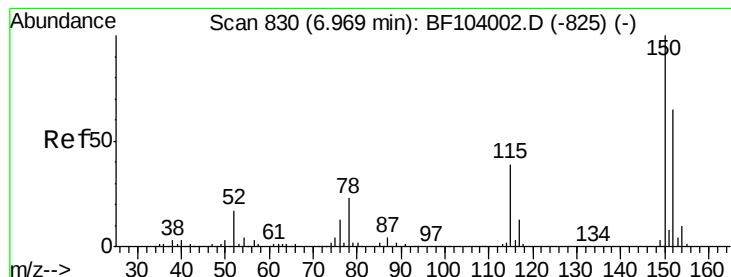
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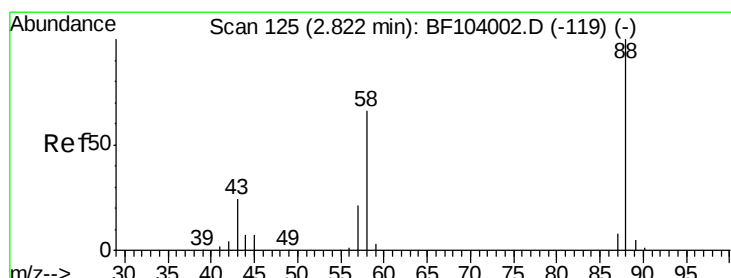
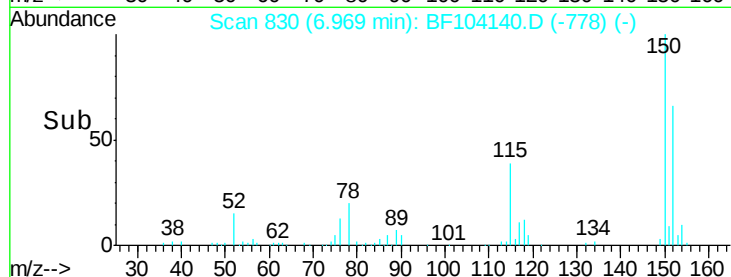
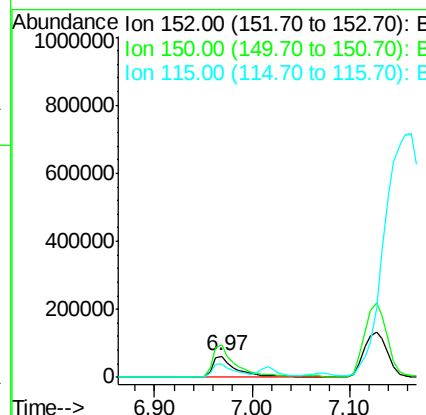
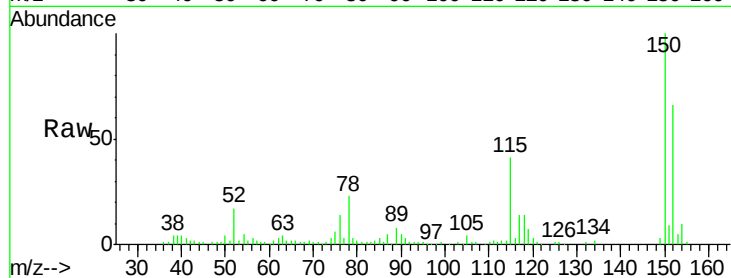
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 830
 Delta R.T. 0.01 min
 Lab File: BF104140.D
 Acq: 2 Apr 2018 17:26

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW30D-GW

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.7	124.6	186.8
115	61.6	50.1	75.1

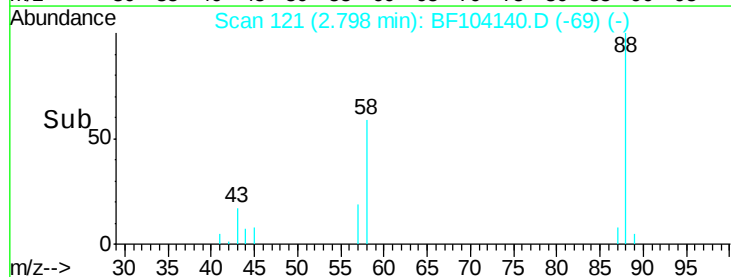
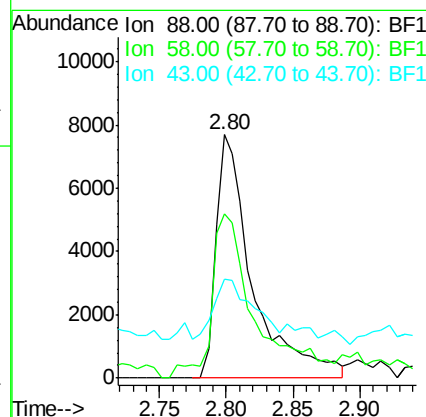
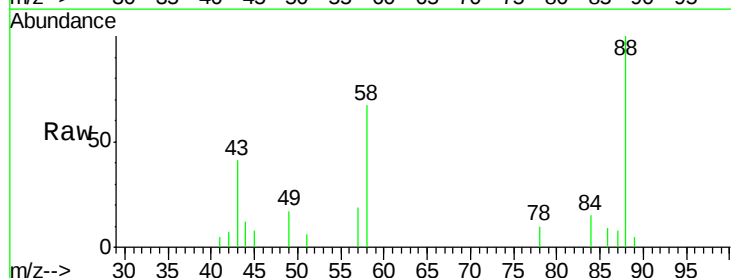
Manual Integrations
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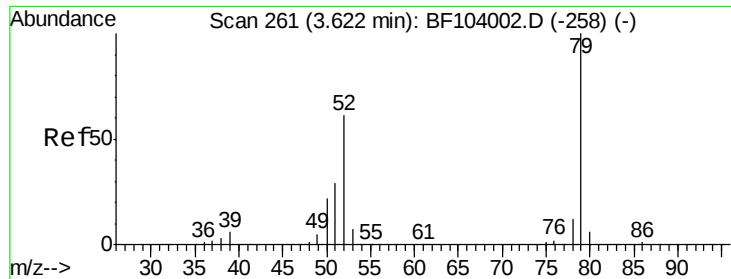
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#2
 1,4-Dioxane
 Concen: 4.996 ng
 RT: 2.80 min Scan# 121
 Delta R.T. 0.01 min
 Lab File: BF104140.D
 Acq: 2 Apr 2018 17:26

Tgt Ion	Ratio	Lower	Upper
88	100		
58	80.5	62.6	93.8
43	25.6	24.6	37.0





#3

Pvridine

Concen: 2.044 ng

RT: 3.66 min Scan# 267

Delta R.T. 0.06 min

Lab File: BF104140.D

Acq: 2 Apr 2018 17:26

Instrument :

BNA_F

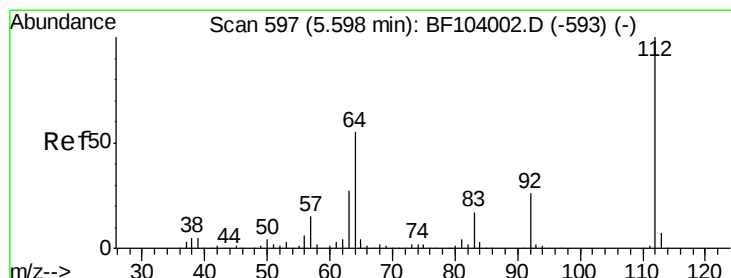
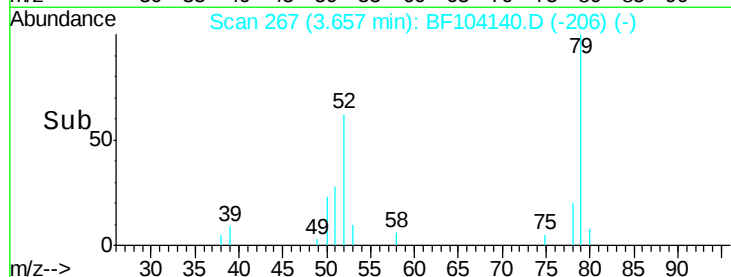
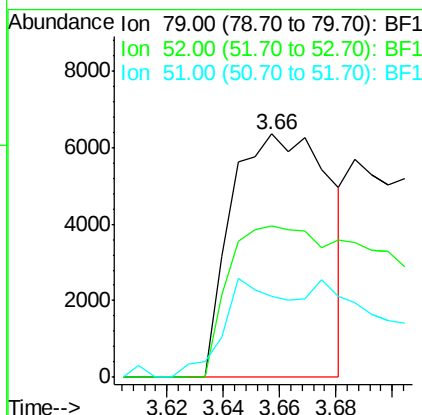
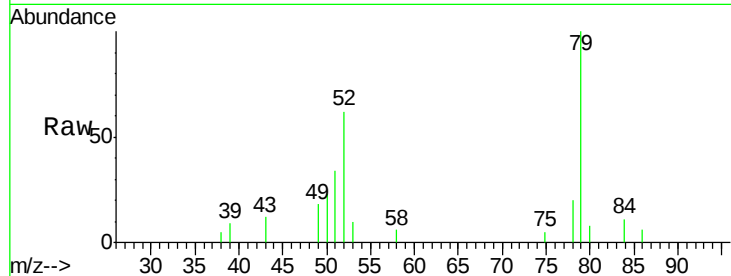
ClientSampleId :

QNWP8-MW30D-GW

Tot Ion:	79	Resp:	15320
Ion Ratio	Lower	Upper	
79	100		
52	62.1	59.8	89.6
51	33.5	29.8	44.8

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#5

2-Fluorophenol

Concen: 31.765 ng

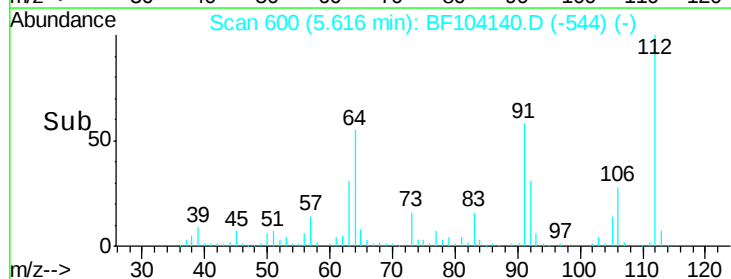
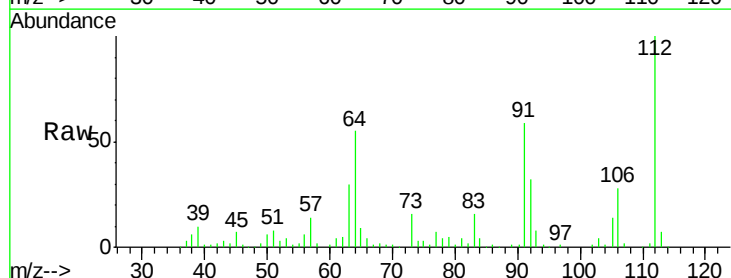
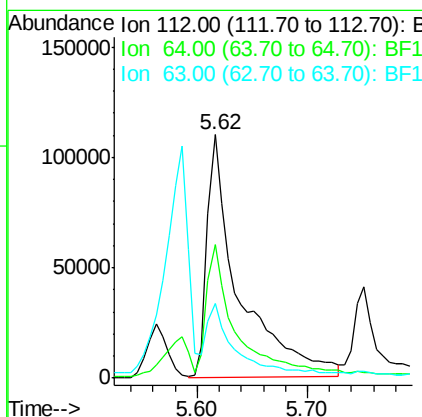
RT: 5.62 min Scan# 600

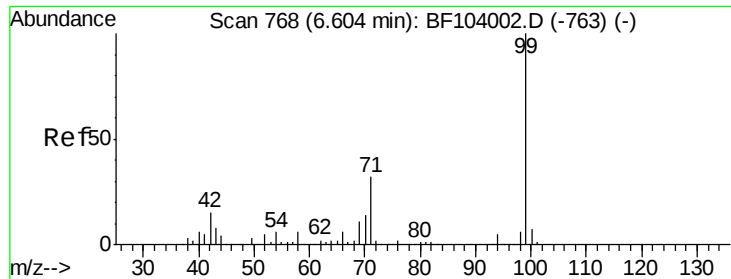
Delta R.T. 0.03 min

Lab File: BF104140.D

Acq: 2 Apr 2018 17:26

Tgt Ion:	112	Resp:	218023
Ion Ratio	Lower	Upper	
112	100		
64	55.0	47.9	71.9
63	30.5	23.7	35.5





#7

Phenol-d6

Concen: 23.084 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF104140.D

Acq: 2 Apr 2018 17:26

Instrument :

BNA_F

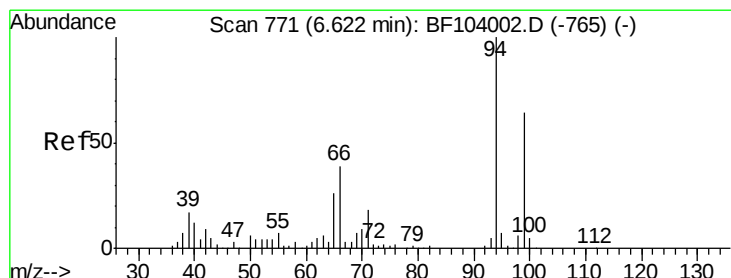
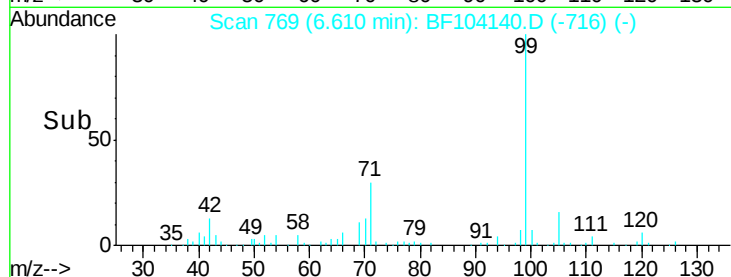
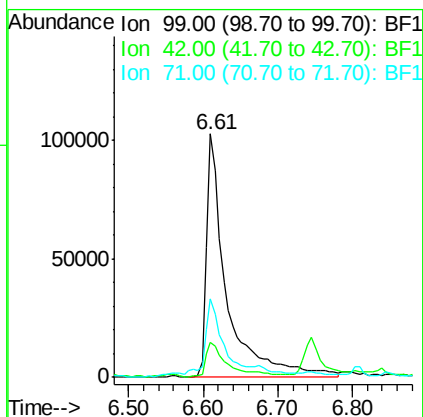
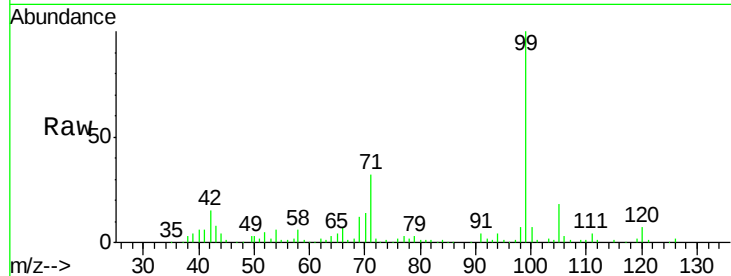
ClientSampleId :

QNWP8-MW30D-GW

Tot Ion:	99	Resp:	194926
Ion Ratio	Lower	Upper	
99	100		
42	14.6	14.5	21.7
71	32.5	25.4	38.0

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#10

Phenol

Concen: 9.544 ng

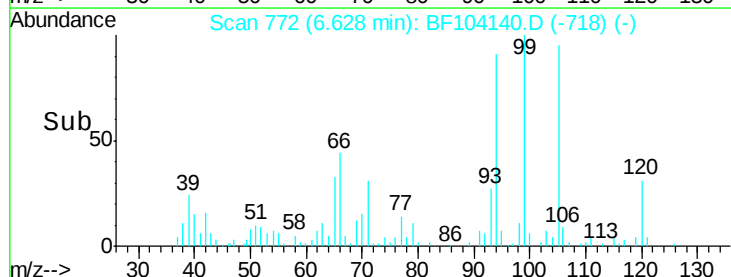
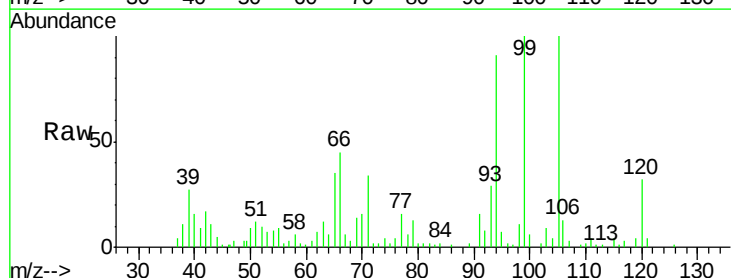
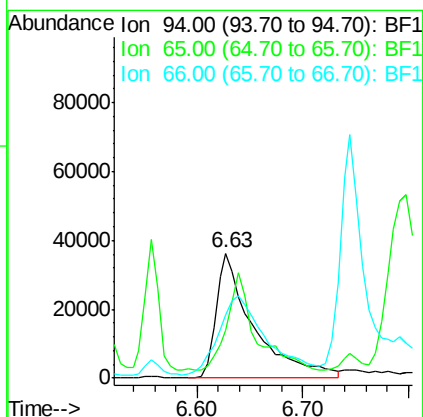
RT: 6.63 min Scan# 772

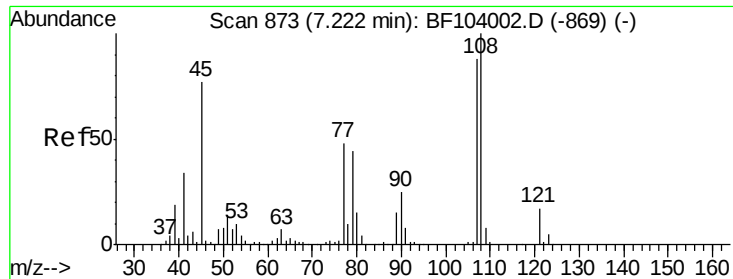
Delta R.T. 0.02 min

Lab File: BF104140.D

Acq: 2 Apr 2018 17:26

Tgt Ion:	94	Resp:	89296
Ion Ratio	Lower	Upper	
94	100		
65	38.6	7.9	47.9
66	50.1	16.2	56.2





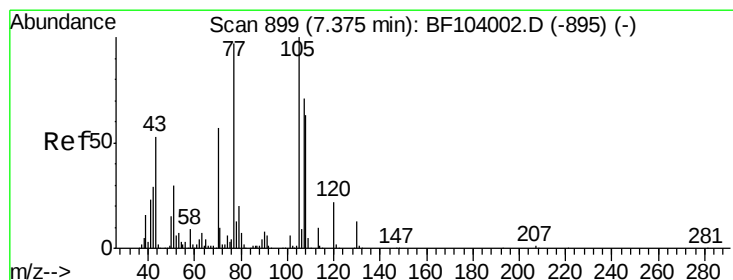
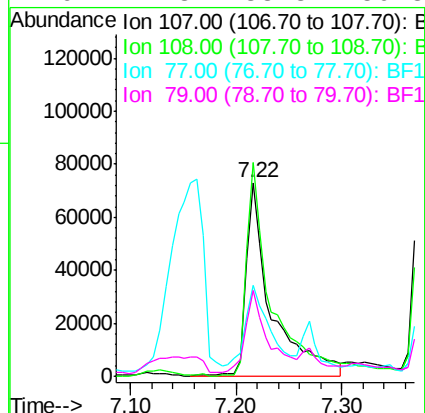
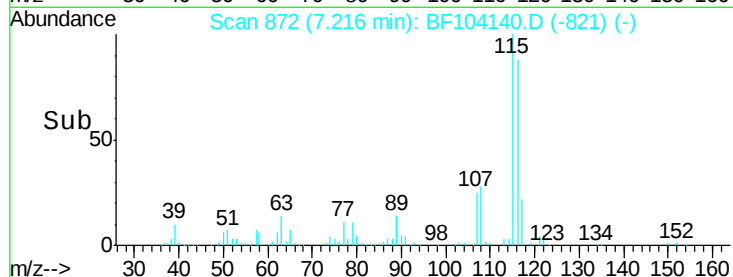
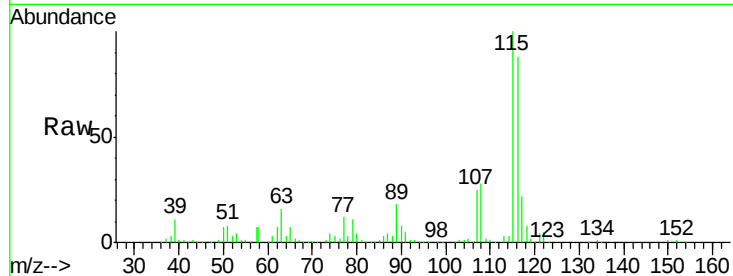
#17
2-Methylphenol
Concen: 19.611 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.00 min
Lab File: BF104140.D
Acq: 2 Apr 2018 17:26

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW30D-GW

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	120170		
108	110.4	91.7	137.5		
77	46.9	33.8	50.8		
79	44.3	33.8	50.8		

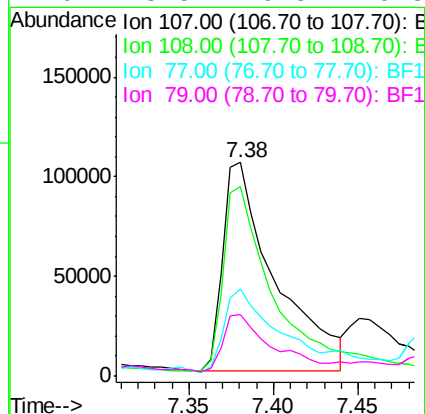
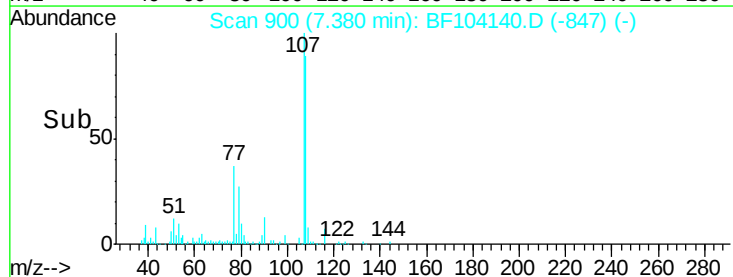
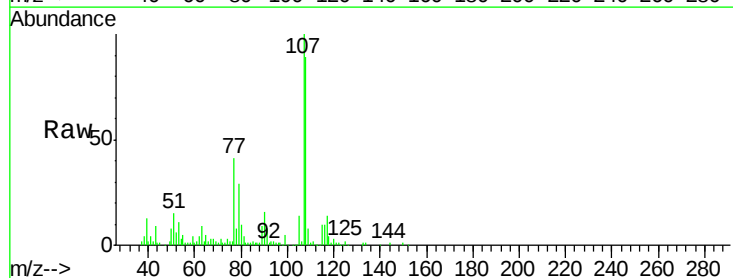
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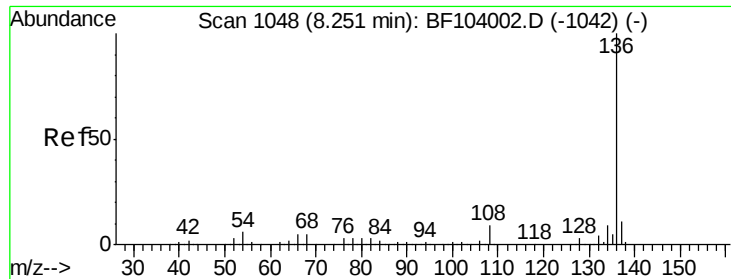
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#20
3+4-Methylphenols
Concen: 28.838 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.01 min
Lab File: BF104140.D
Acq: 2 Apr 2018 17:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	225527		
108	88.9	68.2	108.2		
77	40.9	26.7	66.7		
79	28.5	6.3	46.3		





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF104140.D

Acq: 2 Apr 2018 17:26

Instrument :

BNA_F

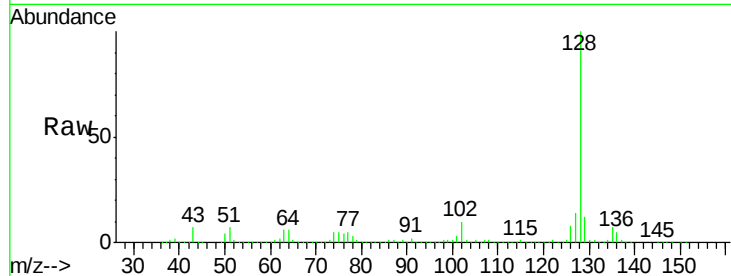
ClientSampleId :

QNWP8-MW30D-GW

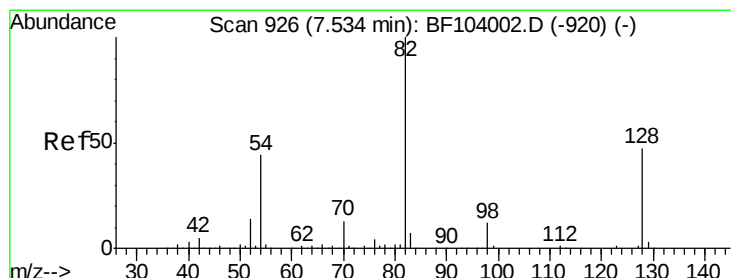
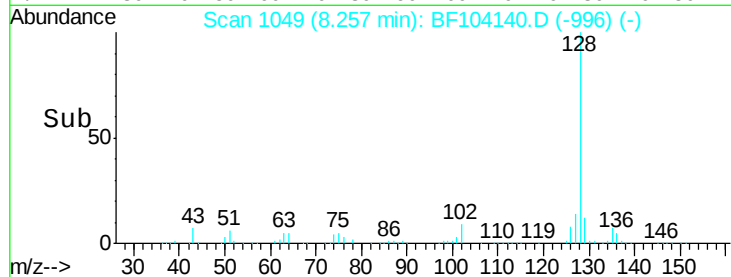
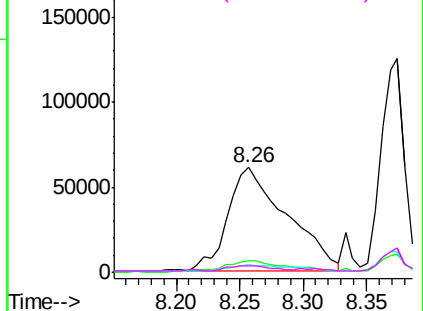
Tot Ion	Ratio	Resp	Lower	Upper
136	100	194260		
137	10.6	8.9	13.3	
54	6.8	6.6	9.8	
68	6.1	5.0	7.4	

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Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 126.213 ng

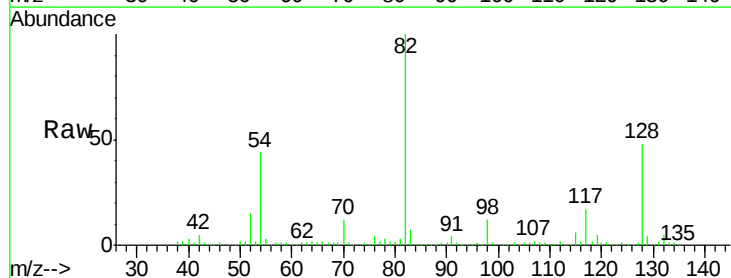
RT: 7.53 min Scan# 926

Delta R.T. 0.01 min

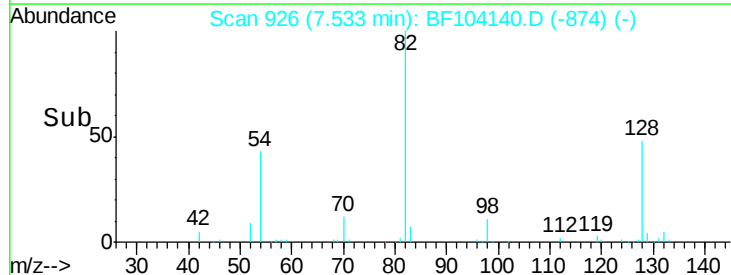
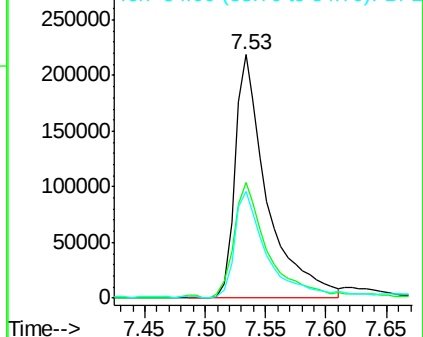
Lab File: BF104140.D

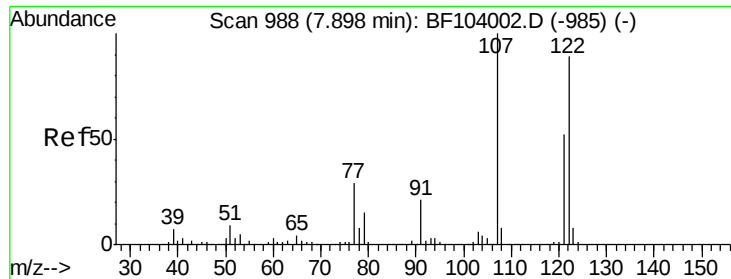
Acq: 2 Apr 2018 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	400916		
128	47.6	36.1	54.1	
54	44.0	41.4	62.2	



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





#27

2,4-Dimethylphenol

Concen: 201.653 ng

RT: 7.93 min Scan# 993

Delta R.T. 0.04 min

Lab File: BF104140.D

Acq: 2 Apr 2018 17:26

Instrument :

BNA_F

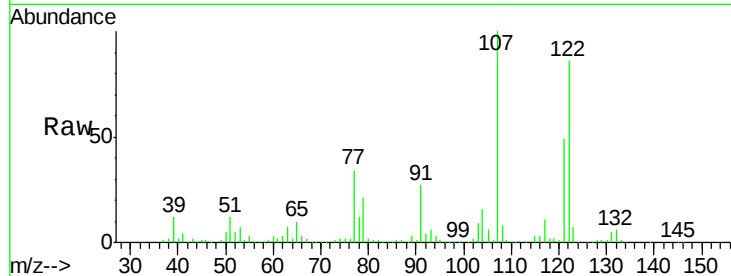
ClientSampleId :

QNWP8-MW30D-GW

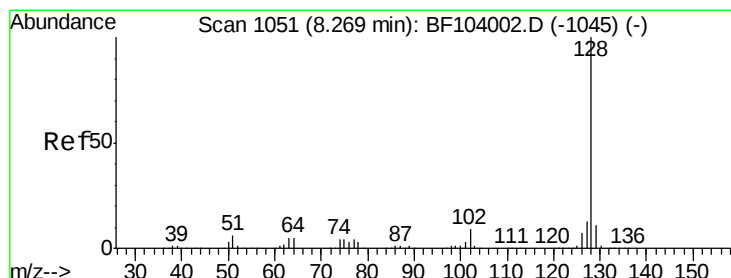
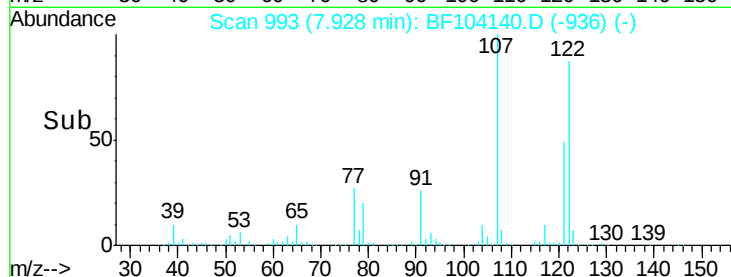
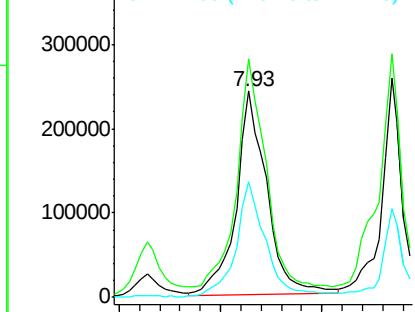
Tot Ion:122	Resp:	507373
Ion Ratio	Lower	Upper
122	100	
107	115.9	91.2 136.8
121	56.3	47.2 70.8

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Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 1652.129 ng m

RT: 8.30 min Scan# 1057

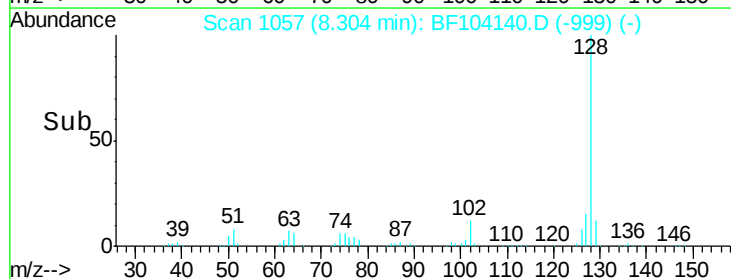
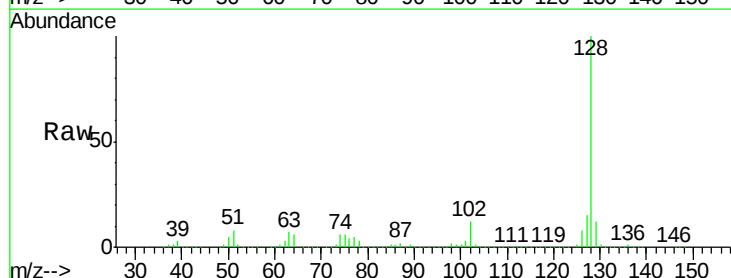
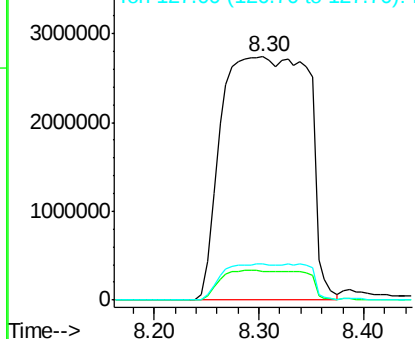
Delta R.T. 0.04 min

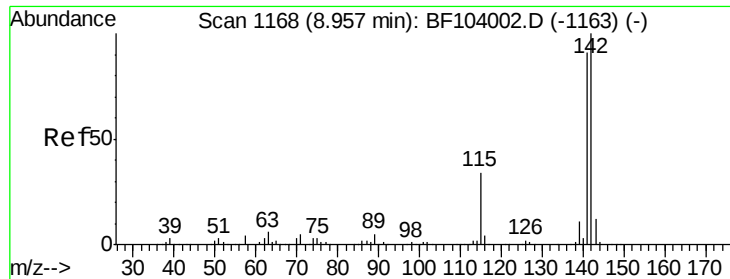
Lab File: BF104140.D

Acq: 2 Apr 2018 17:26

Tgt	Ion:128	Resp:15679147	
Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.8	13.2
127	14.7	10.9	16.3

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





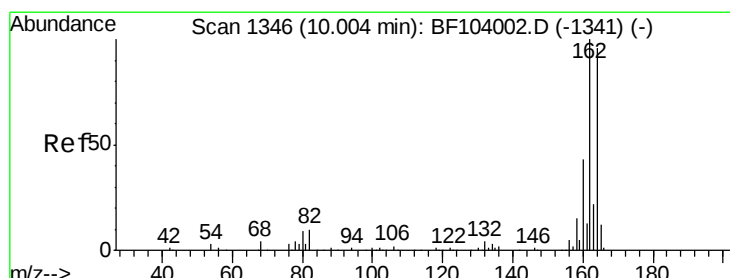
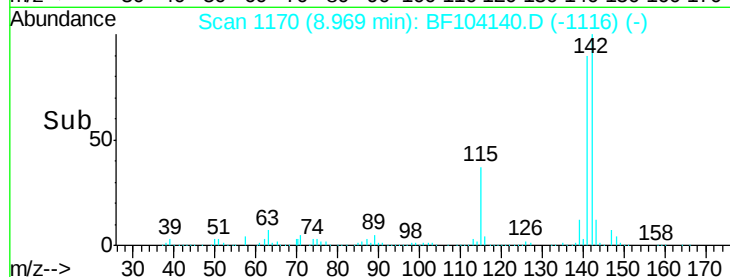
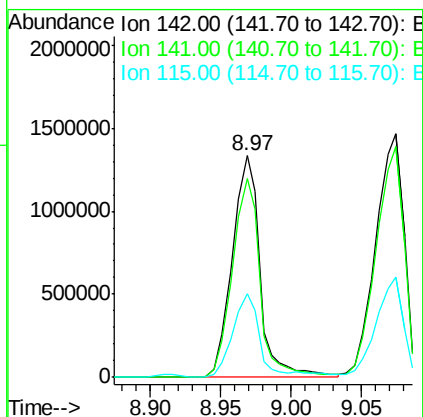
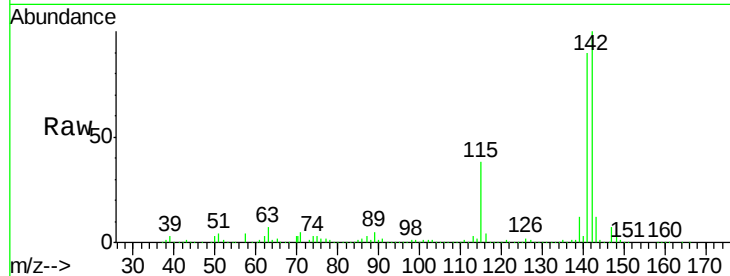
#37
2-Methylnaphthalene
Concen: 293.797 ng
RT: 8.97 min Scan# 1170
Delta R.T. 0.02 min
Lab File: BF104140.D
Acq: 2 Apr 2018 17:26

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW30D-GW

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.8	106.2
115	37.7	26.1	39.1

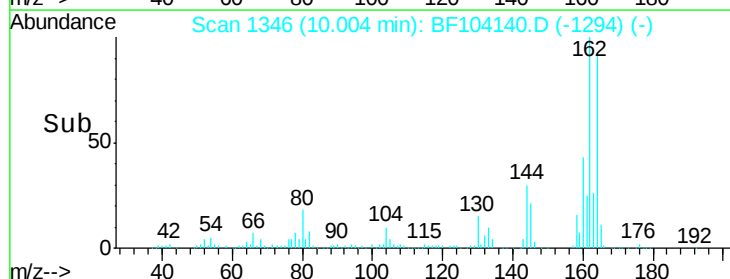
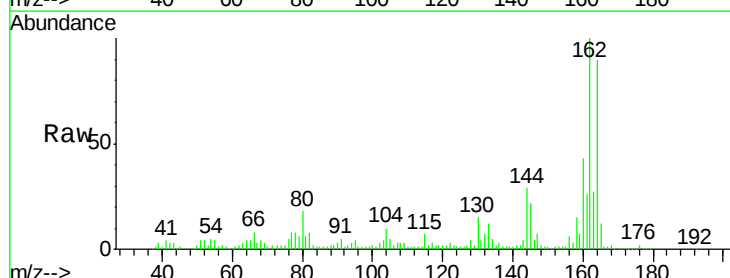
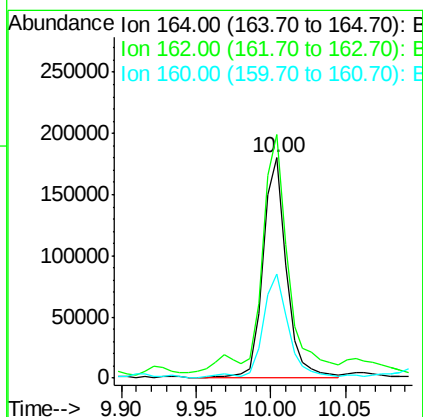
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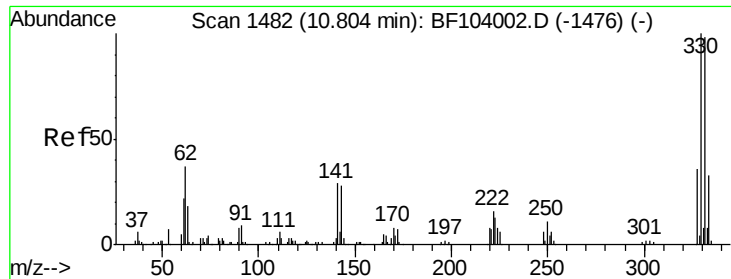
Sohil
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.01 min
Lab File: BF104140.D
Acq: 2 Apr 2018 17:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	110.5	86.1	129.1
160	47.2	38.3	57.5





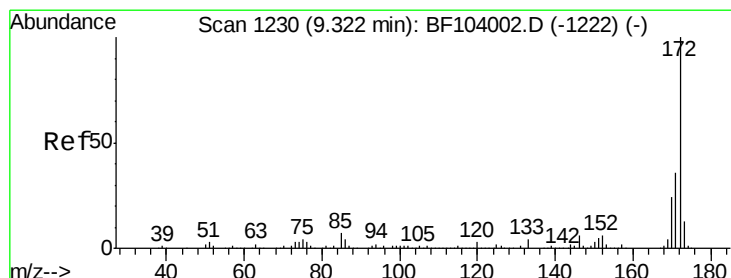
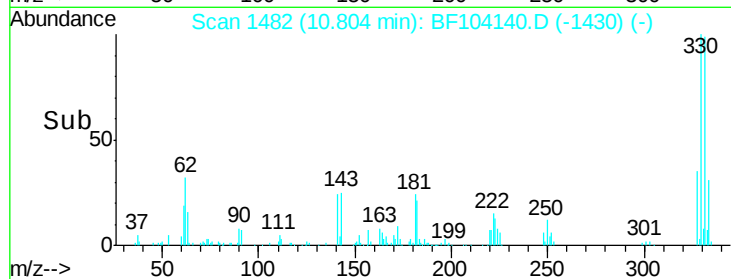
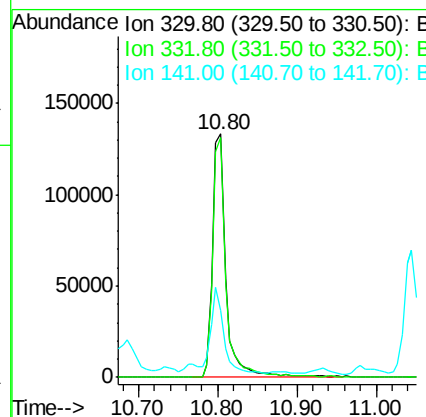
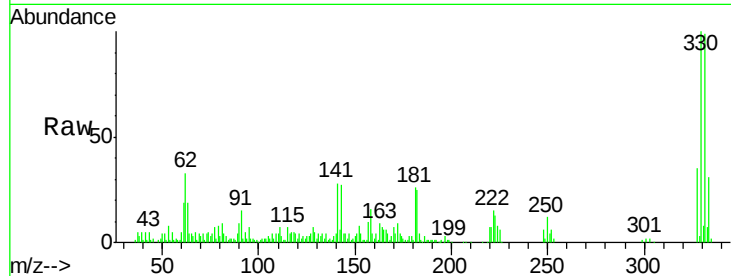
#41
 2,4,6-Tribromophenol
 Concen: 74.556 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: BF104140.D
 Acq: 2 Apr 2018 17:26

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW30D-GW

Tot Ion	Ratio	Resp	Lower	Upper
330	100	158363		
332	96.7	77.0	115.6	
141	33.1	29.9	44.9	

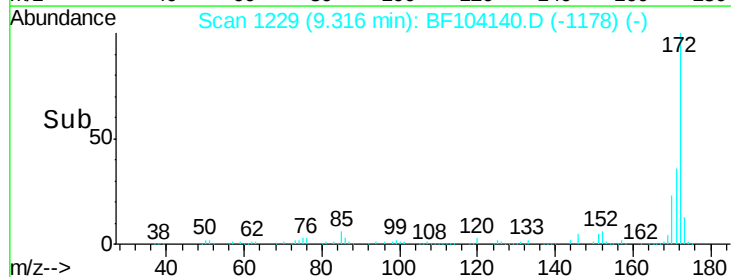
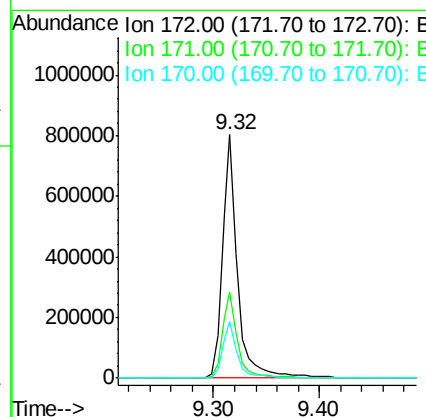
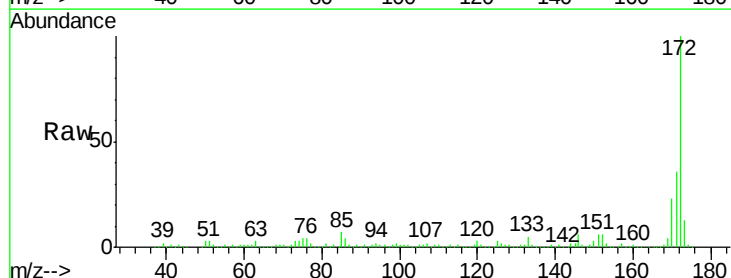
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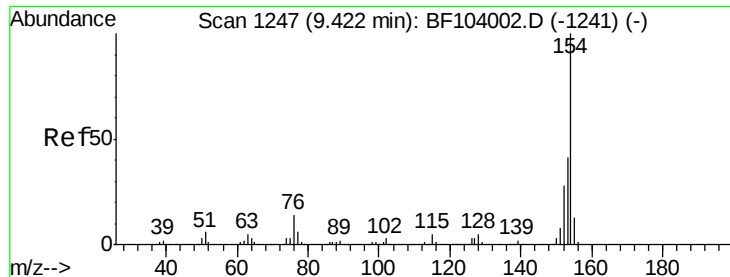
Sohil
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#44
 2-Fluorobiphenyl
 Concen: 67.084 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: BF104140.D
 Acq: 2 Apr 2018 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	811502		
171	35.7	29.7	44.5	
170	23.4	19.6	29.4	





#45

1,1'-Biphenyl

Concen: 38.071 ng

RT: 9.42 min Scan# 1247

Delta R.T. 0.01 min

Lab File: BF104140.D

Acq: 2 Apr 2018 17:26

Instrument :

BNA_F

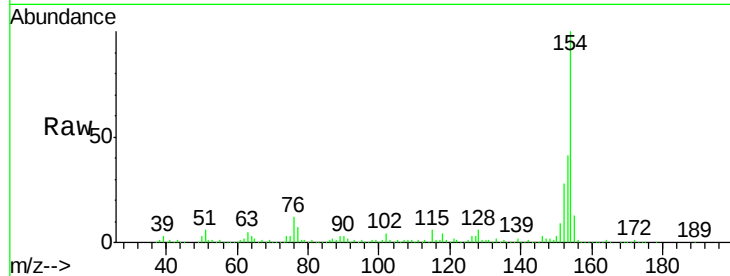
ClientSampleId :

QNWP8-MW30D-GW

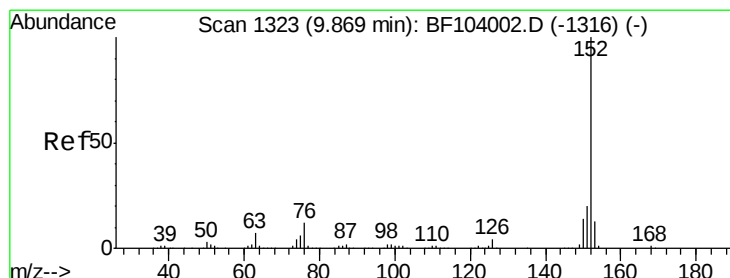
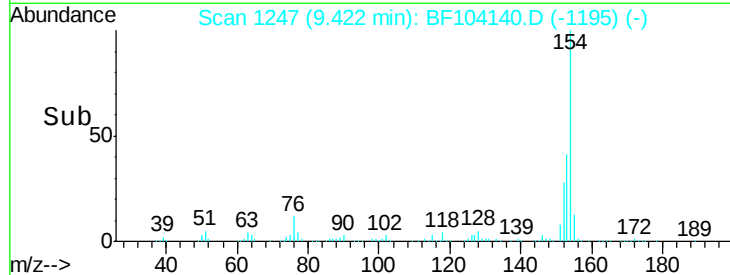
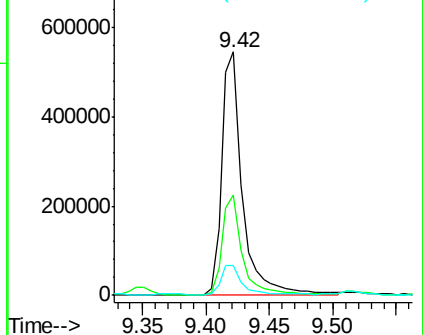
Tot Ion:	154	Resp:	623297
Ion Ratio	Lower	Upper	
154	100		
153	41.4	21.3	61.3
76	12.1	0.0	34.0

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#48

Acenaphthylene

Concen: 3.654 ng

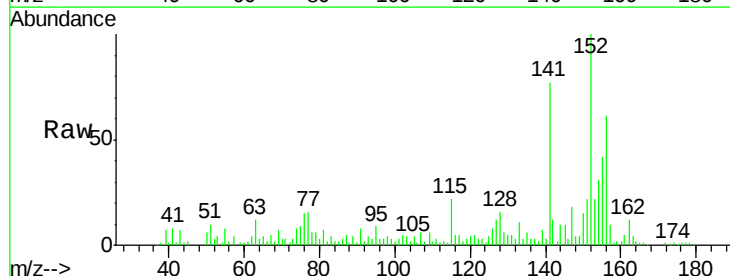
RT: 9.86 min Scan# 1322

Delta R.T. -0.00 min

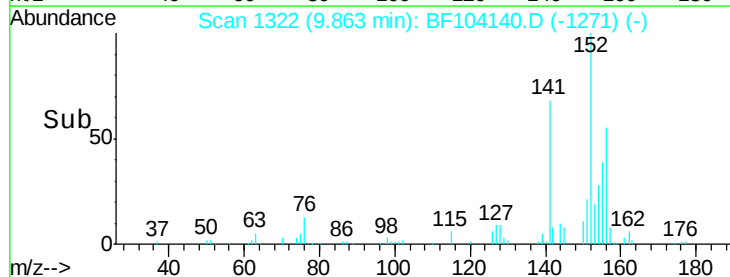
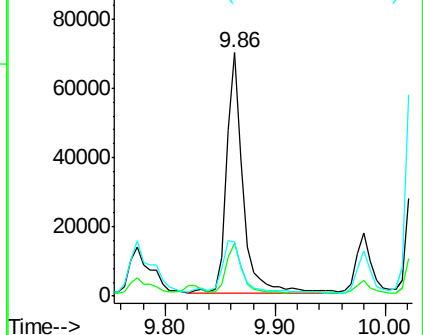
Lab File: BF104140.D

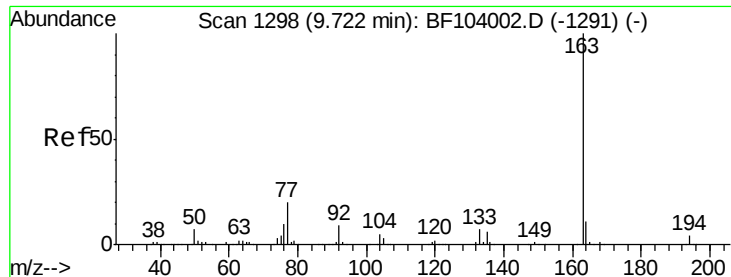
Acq: 2 Apr 2018 17:26

Tgt Ion:	152	Resp:	71489
Ion Ratio	Lower	Upper	
152	100		
151	21.5	16.3	24.5
153	22.4	10.7	16.1#



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





#49

Dimethylphthalate

Concen: 3.488 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.00 min

Lab File: BF104140.D

Acq: 2 Apr 2018 17:26

Instrument :

BNA_F

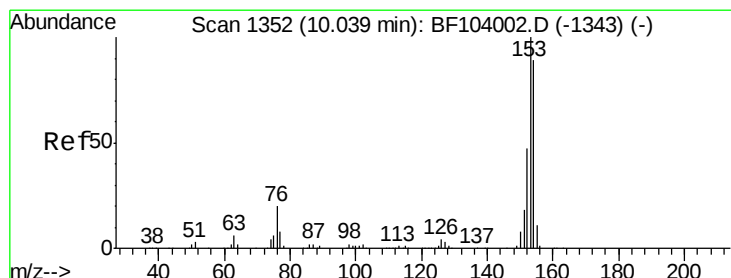
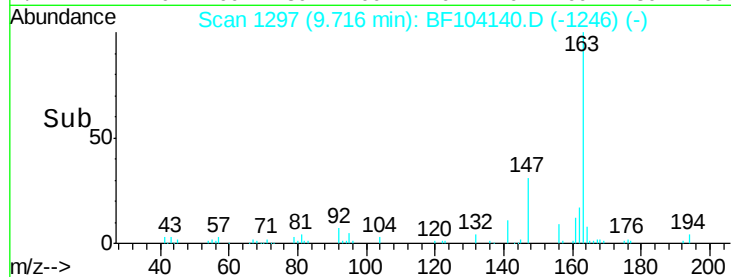
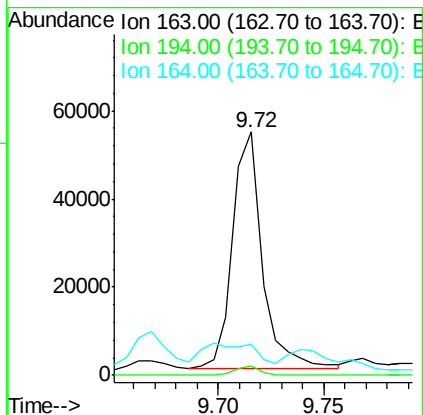
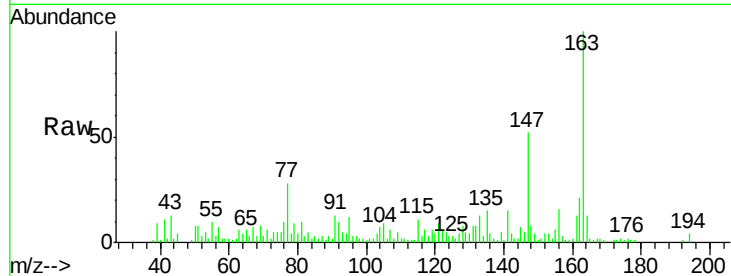
ClientSampleId :

QNWP8-MW30D-GW

Tot Ion:	163	Resp:	52531
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.7	4.1
164	12.9	8.2	12.2#

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#51

Acenaphthene

Concen: 94.600 ng

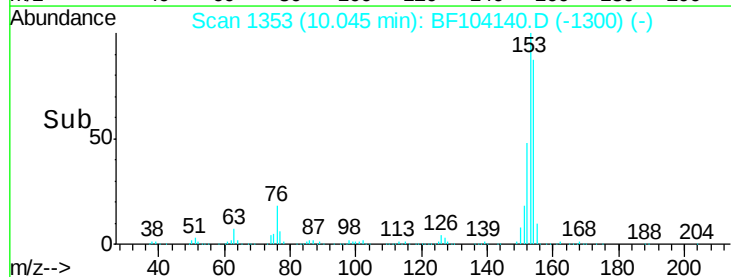
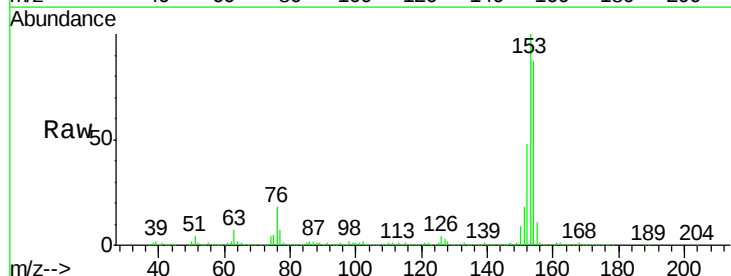
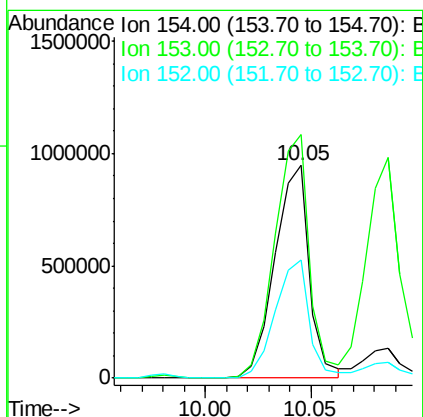
RT: 10.05 min Scan# 1353

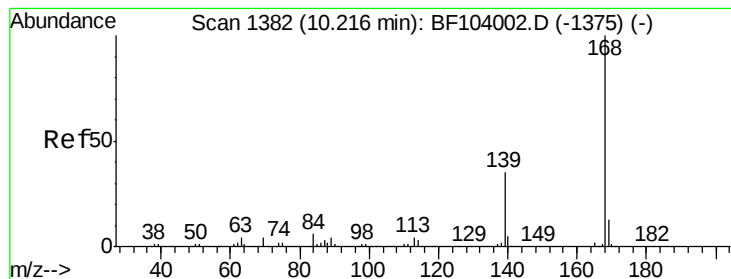
Delta R.T. 0.01 min

Lab File: BF104140.D

Acq: 2 Apr 2018 17:26

Tgt Ion:	154	Resp:	1070702
Ion Ratio	Lower	Upper	
154	100		
153	114.5	91.2	136.8
152	55.4	43.8	65.8





#54

Dibenzofuran

Concen: 76.781 ng

RT: 10.22 min Scan# 1382

Delta R.T. 0.01 min

Lab File: BF104140.D

Acq: 2 Apr 2018 17:26

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW30D-GW

Tot Ion:168 Resp: 1269040

Ion Ratio Lower Upper

168 100

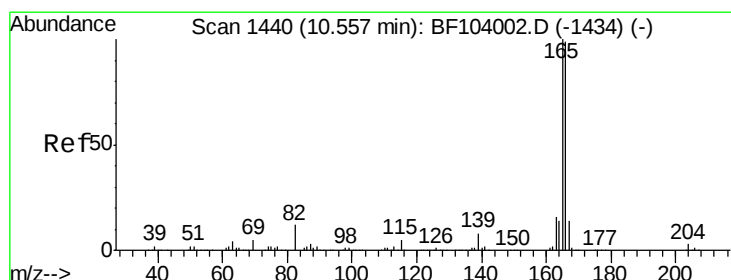
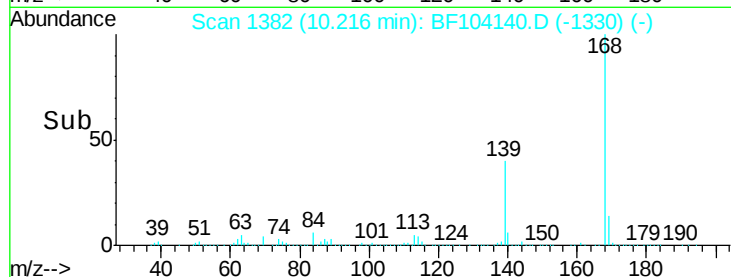
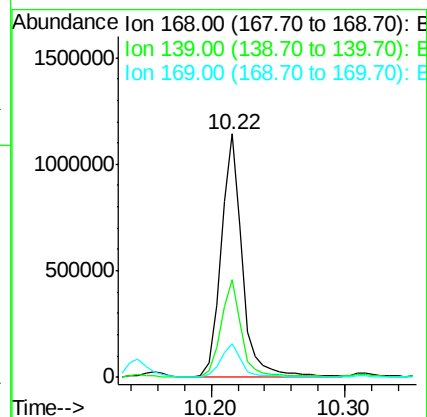
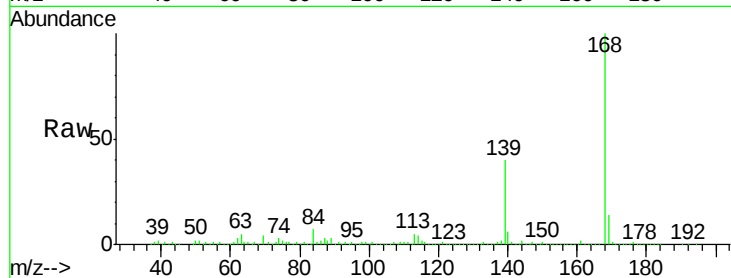
139 40.3 30.1 45.1

169 13.9 10.9 16.3

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#57

Fluorene

Concen: 38.494 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.01 min

Lab File: BF104140.D

Acq: 2 Apr 2018 17:26

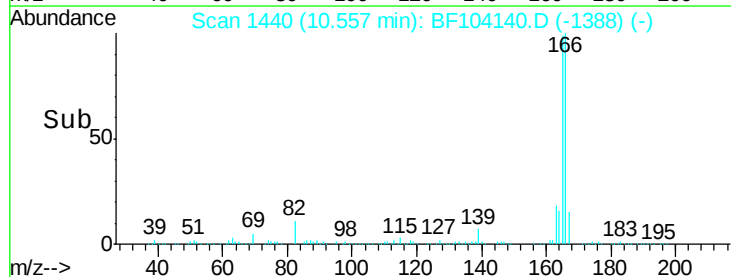
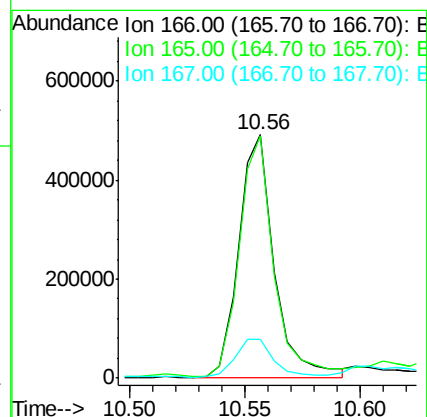
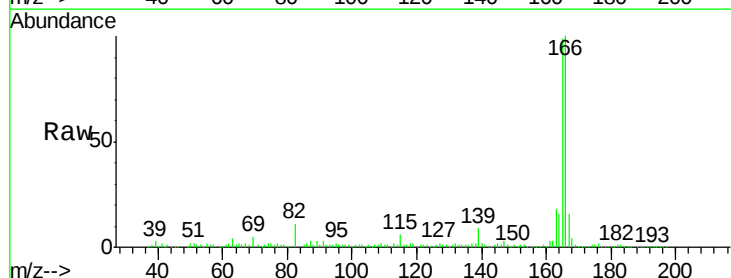
Tgt Ion:166 Resp: 524817

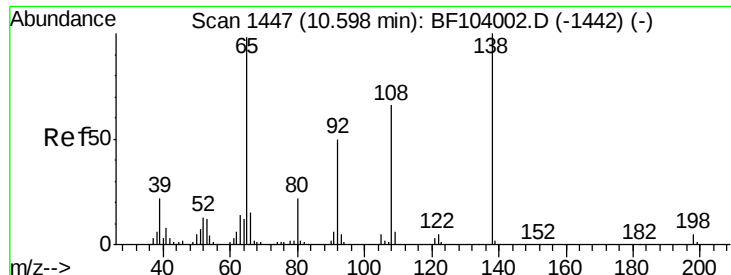
Ion Ratio Lower Upper

166 100

165 99.3 79.8 119.8

167 15.8 10.6 16.0





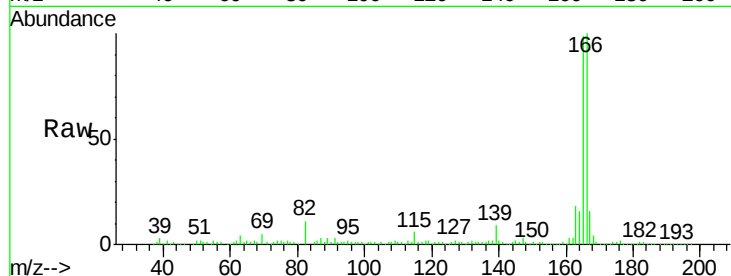
#61
4-Nitroaniline
Concen: 2.332 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.04 min
Lab File: BF104140.D
Acq: 2 Apr 2018 17:26

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW30D-GW

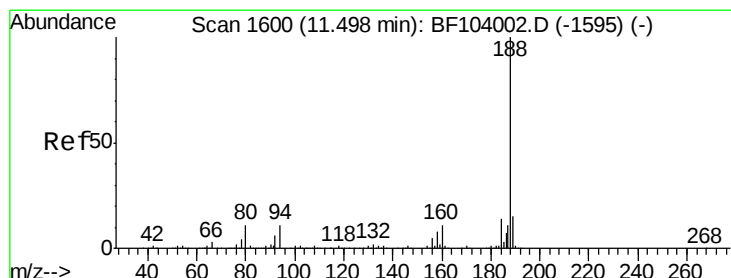
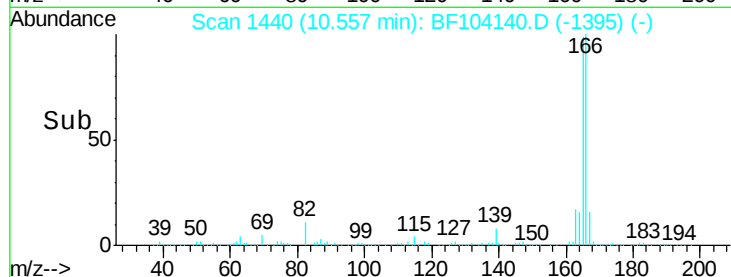
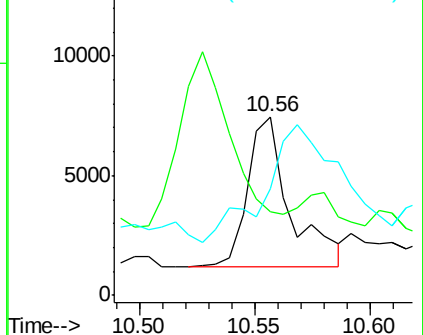
Tot Ion	Ratio	Lower	Upper
138	100		
92	46.9	30.2	70.2
108	59.7	52.5	92.5

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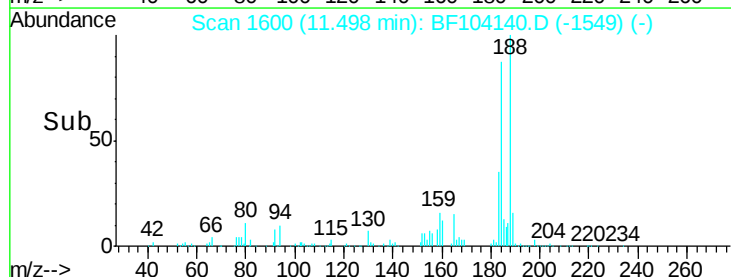
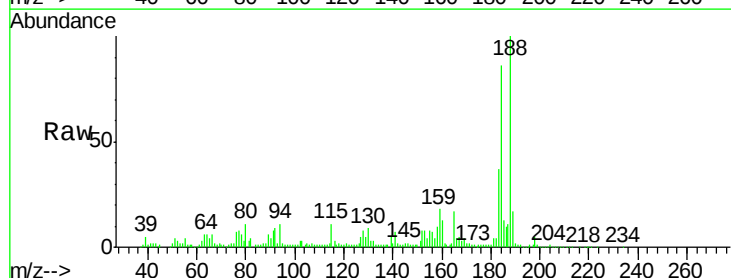
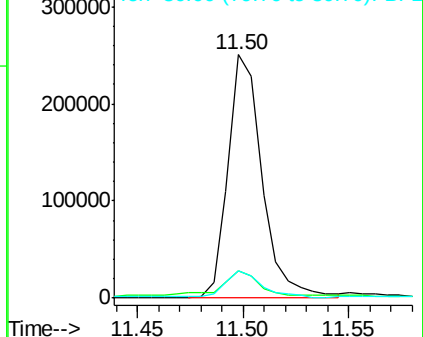
Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E

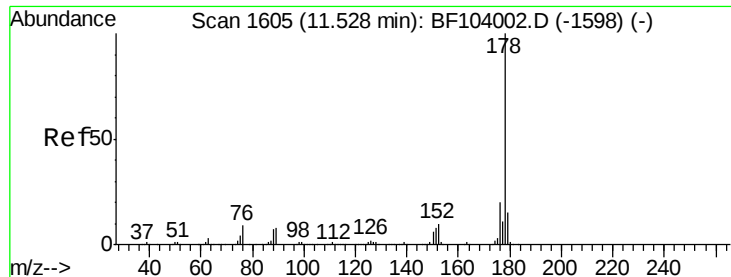


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104140.D
Acq: 2 Apr 2018 17:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.5	12.7
80	11.3	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





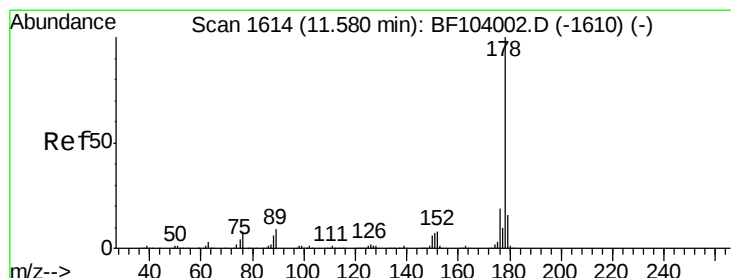
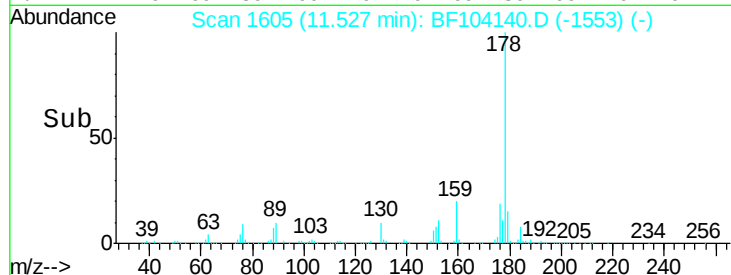
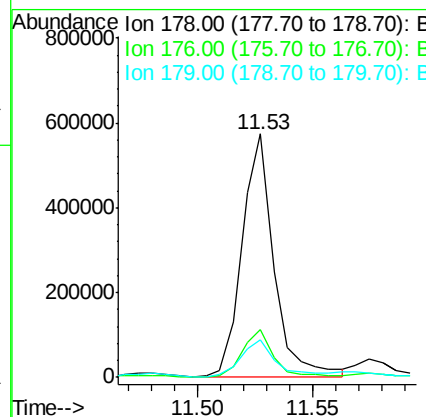
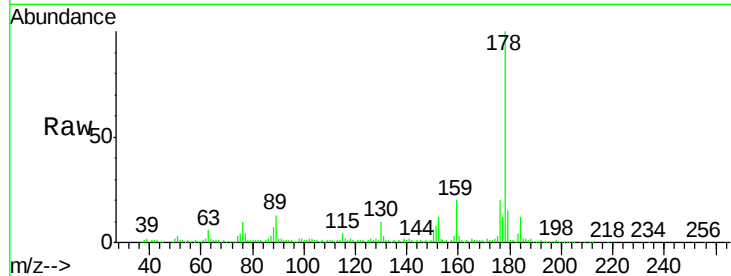
#70
Phenanthrene
Concen: 36.395 ng
RT: 11.53 min Scan# 1605
Delta R.T. 0.01 min
Lab File: BF104140.D
Acq: 2 Apr 2018 17:26

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW30D-GW

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.3	13.0	19.6

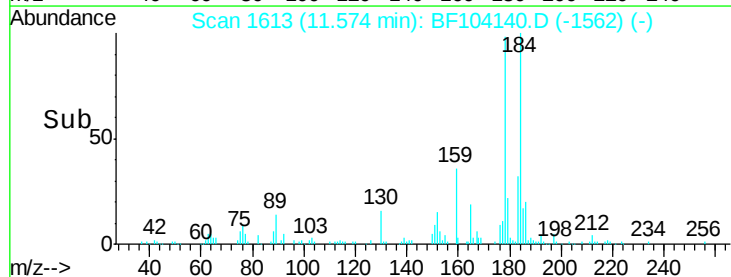
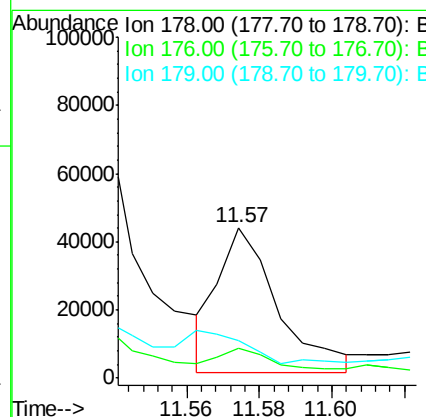
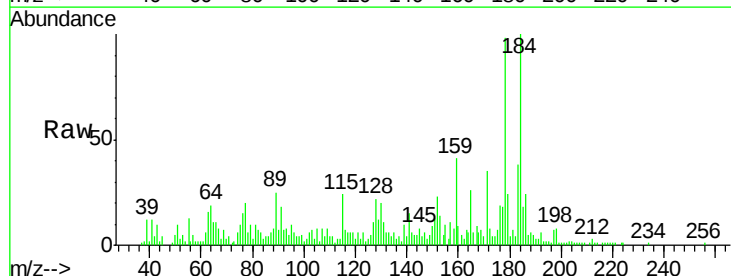
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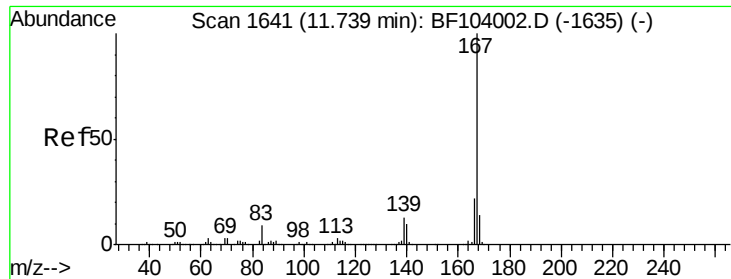
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#71
Anthracene
Concen: 3.093 ng m
RT: 11.57 min Scan# 1613
Delta R.T. -0.00 min
Lab File: BF104140.D
Acq: 2 Apr 2018 17:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	24.8	12.6	19.0#





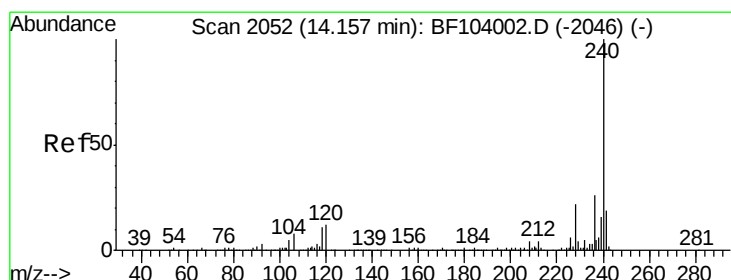
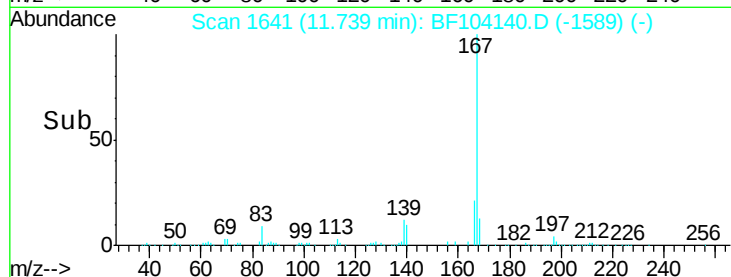
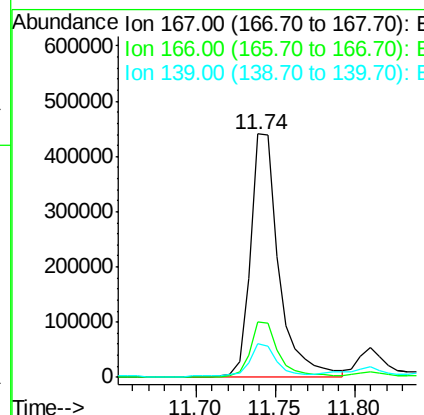
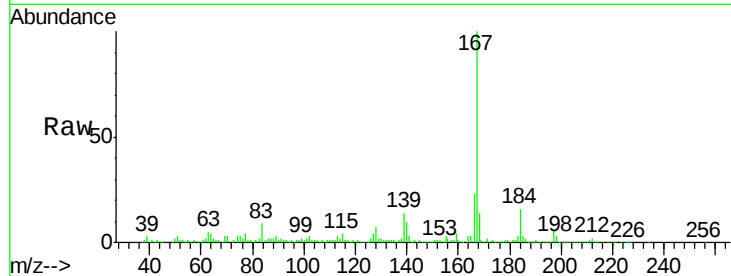
#72
 Carbazole
 Concen: 36.056 ng
 RT: 11.74 min Scan# 1641
 Delta R.T. 0.01 min
 Lab File: BF104140.D
 Acq: 2 Apr 2018 17:26

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW30D-GW

Tot Ion:	167	Resp:	542358
Ion Ratio	Lower	Upper	
167	100		
166	22.6	17.6	26.4
139	14.0	10.9	16.3

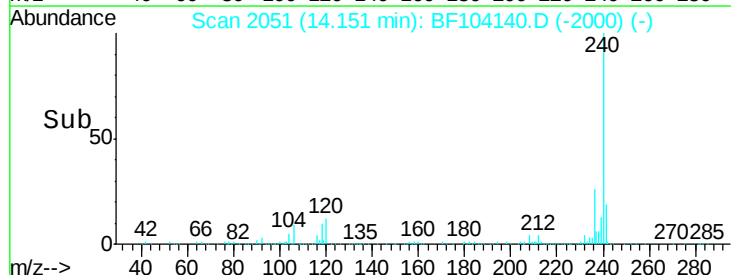
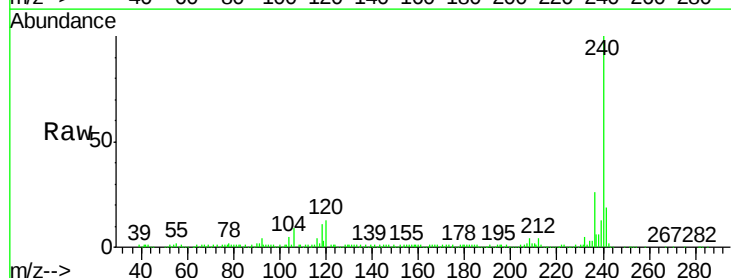
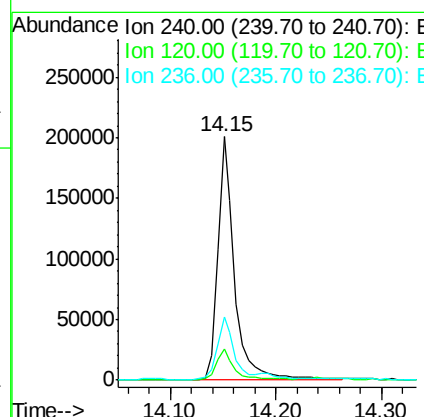
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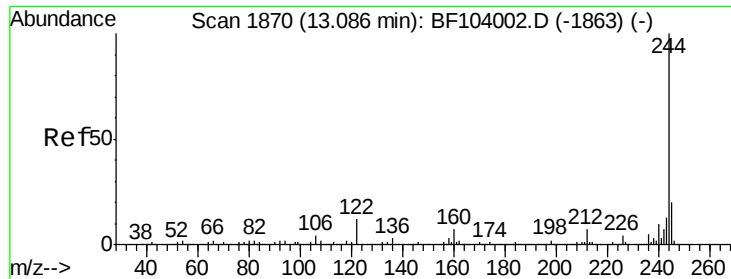
Sohil
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.15 min Scan# 2051
 Delta R.T. -0.00 min
 Lab File: BF104140.D
 Acq: 2 Apr 2018 17:26

Tgt Ion:	240	Resp:	222910
Ion Ratio	Lower	Upper	
240	100		
120	12.6	9.5	14.3
236	25.7	20.7	31.1





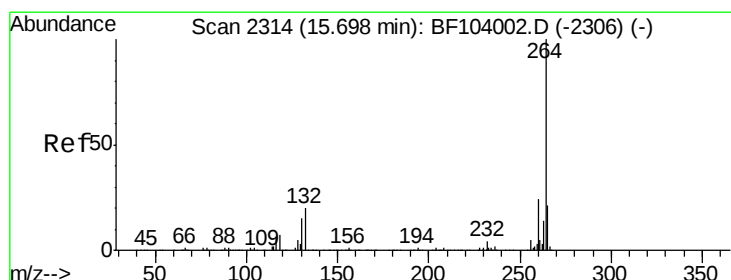
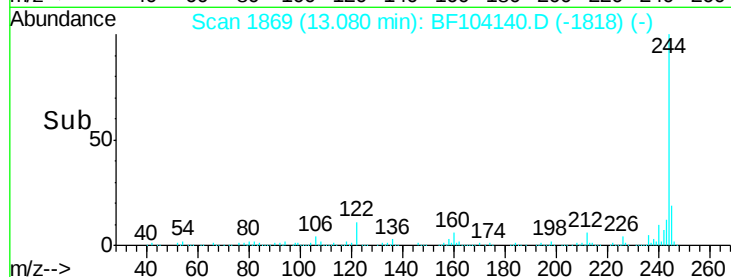
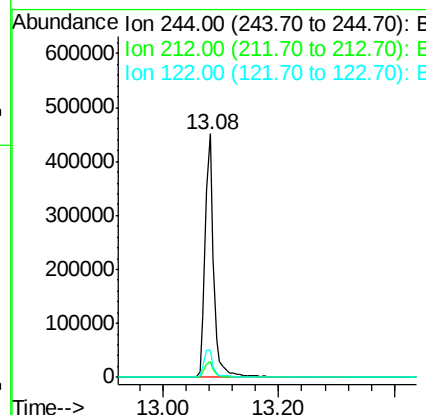
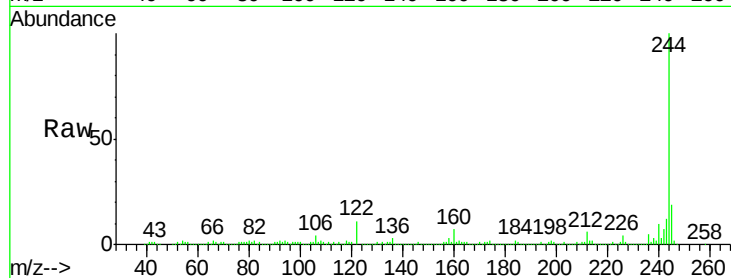
#78
 Terphenyl-d14
 Concen: 48.879 ng
 RT: 13.08 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: BF104140.D
 Acq: 2 Apr 2018 17:26

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW30D-GW

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	11.2	11.0	16.4

Manual Integrations
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2314
 Delta R.T. 0.01 min
 Lab File: BF104140.D
 Acq: 2 Apr 2018 17:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.2	17.5	26.3

