

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
 Data File : BF113481.D
 Acq On : 1 Apr 2019 22:07
 Operator : JU/SJ
 Sample : K2115-02RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW30D-GWRE

Manual Integrations
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 4/2/2019 3:49:41 PM

Quant Time: Apr 02 08:11:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	130851	20.00	ng	0.01
21) Naphthalene-d8	8.02	136	146852	20.00	ng	0.03
39) Acenaphthene-d10	9.75	164	206835	20.00	ng	0.00
64) Phenanthrene-d10	11.23	188	292993	20.00	ng	0.01
76) Chrysene-d12	13.85	240	365815	20.00	ng	0.00
87) Perylene-d12	15.26	264	246898	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	401701	50.20	ng	0.04
7) Phenol-d6	6.37	99	294788	29.12	ng	0.02
23) Nitrobenzene-d5	7.29	82	586580	237.08	ng	0.02
42) 2,4,6-Tribromophenol	10.53	330	236047	92.39	ng	0.00
45) 2-Fluorobiphenyl	9.07	172	1021159	75.39	ng	0.00
79) Terphenyl-d14	12.80	244	930753	56.08	ng	0.00
Target Compounds						
3) Pyridine	3.10	79	69779	6.971	ng	Qvalue 100
6) Aniline	6.38	93	209412	16.986	ng	# 68
10) Phenol	6.39	94	72245	6.251	ng	# 47
20) 3+4-Methylphenols	7.15	107	286109	32.047	ng	92
27) 2,4-Dimethylphenol	7.71	122	410683	209.201	ng	98
31) Naphthalene	8.13	128	26309525m	3666.167	ng	
37) 2-Methylnaphthalene	8.73	142	3433983	766.896	ng	98
38) 1-Methylnaphthalene	8.83	142	3204334	743.984	ng	99
46) 1,1'-Biphenyl	9.17	154	1075239	62.243	ng	99
49) Acenaphthylene	9.60	152	121712	5.659	ng	# 87
50) Dimethylphthalate	9.47	163	47197	3.079	ng	# 88
52) Acenaphthene	9.79	154	1654858	136.639	ng	99
55) Dibenzofuran	9.96	168	1895734	104.120	ng	98
58) Fluorene	10.29	166	805199	56.928	ng	# 98
71) Phenanthrene	11.25	178	848444	58.312	ng	99
72) Anthracene	11.30	178	70187m	4.749	ng	
73) Carbazole	11.46	167	851479	60.378	ng	99
75) Fluoranthene	12.43	202	40294	2.450	ng	94

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

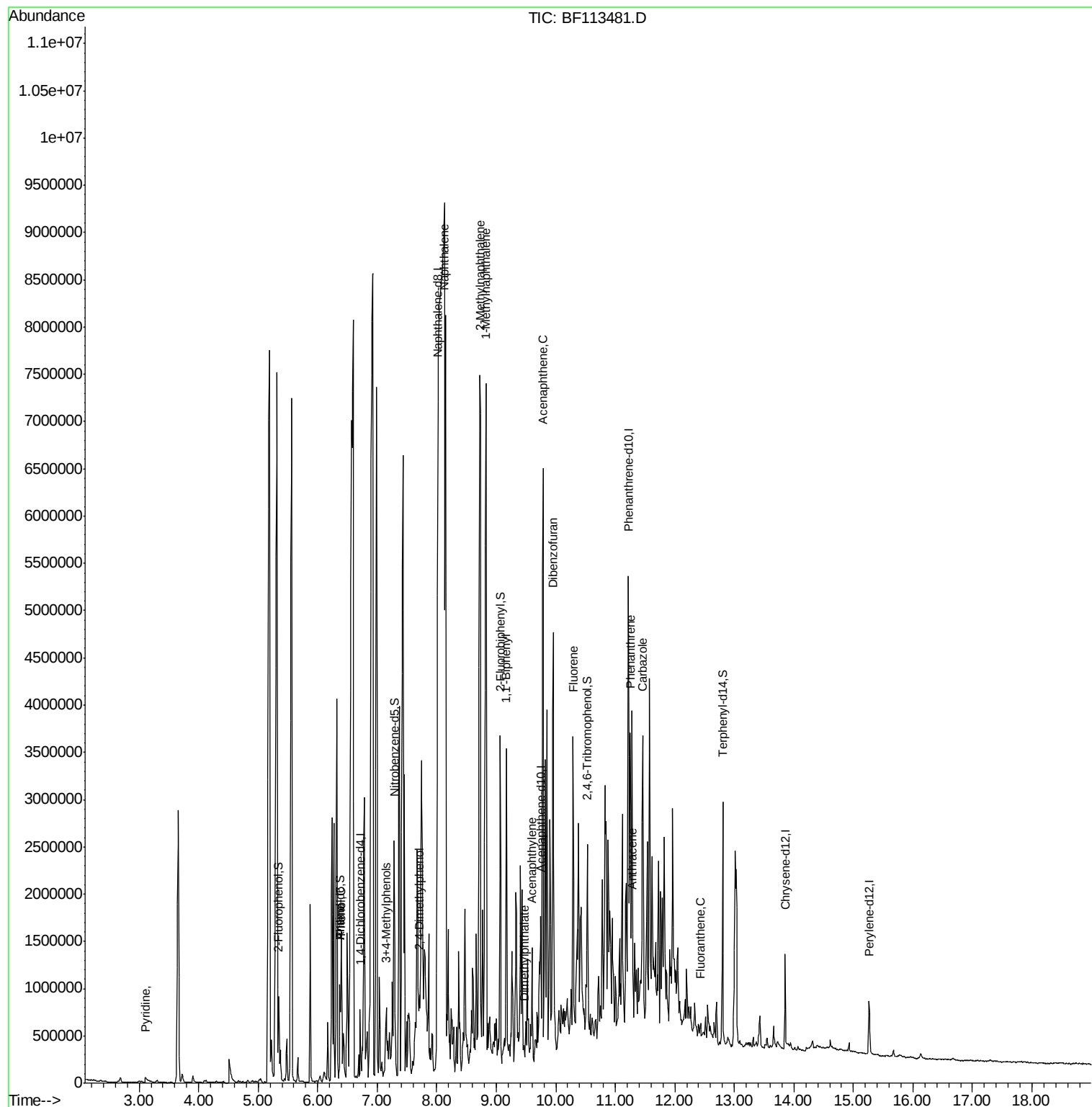
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
Data File : BF113481.D
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Misc :
ALS Vial : 6 Sample Multiplier: 1

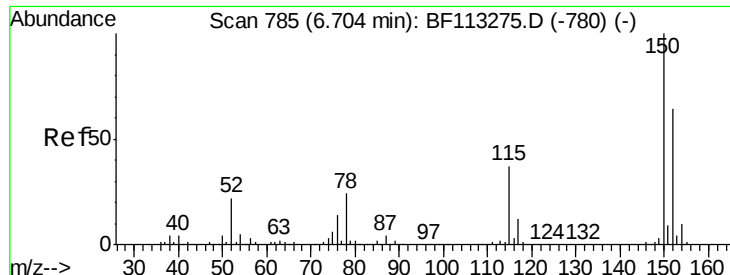
Instrument :
BNA_F
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QNWP8-MW30D-GWRE

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#1

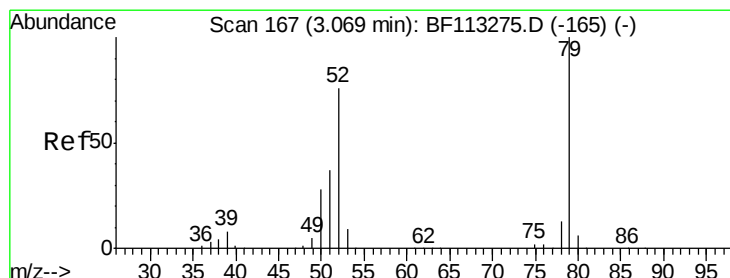
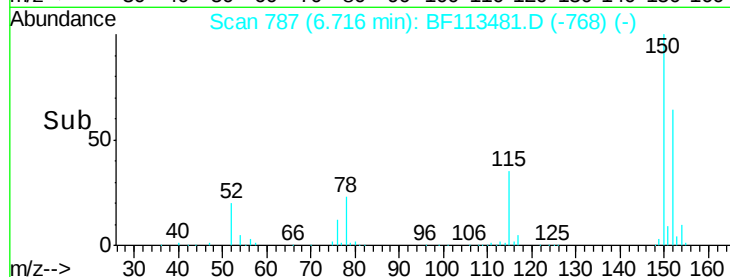
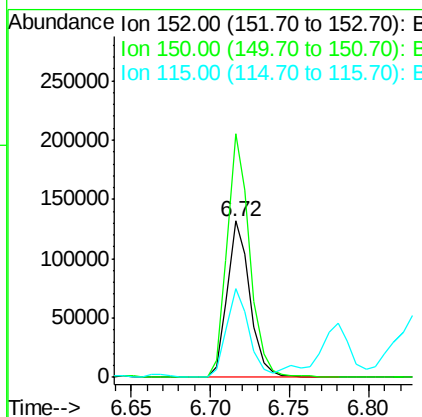
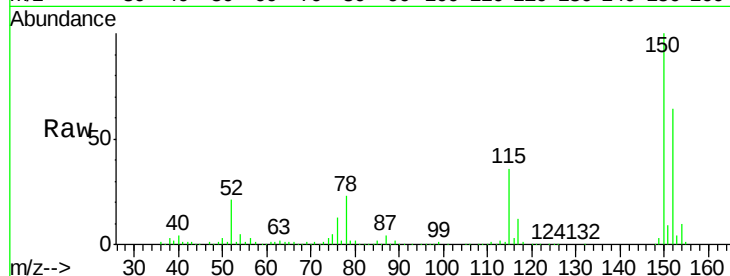
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.01 min
Lab File: BF113481.D
Acq: 1 Apr 2019 22:07

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW30D-GWRE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.7	187.1
115	56.4	46.0	69.0

Manual Integrations
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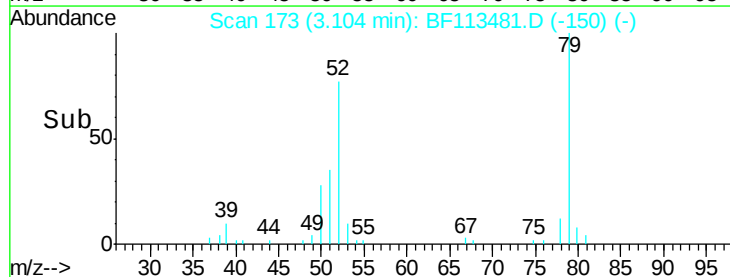
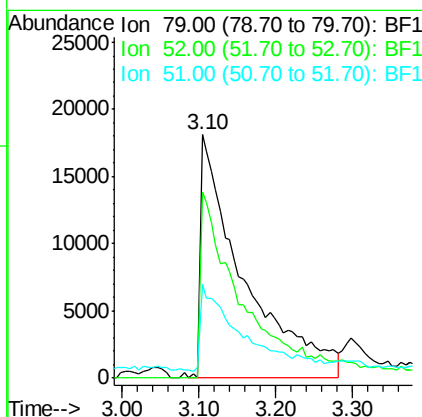
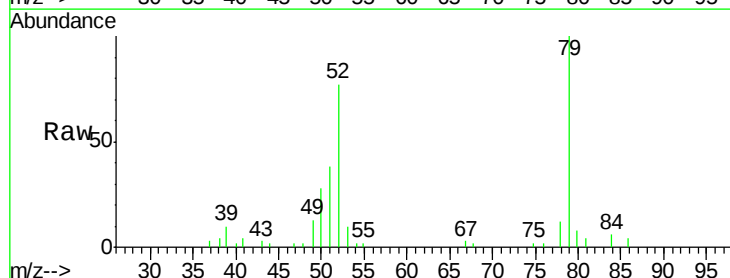
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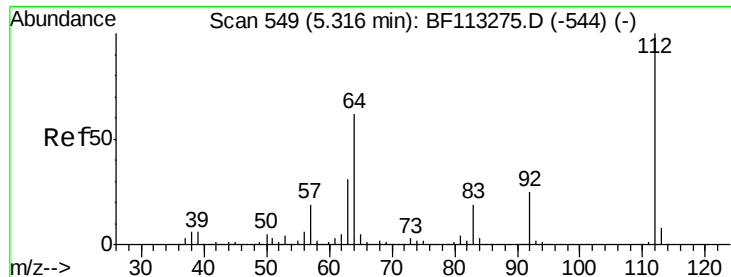


#3

Pyridine
Concen: 6.971 ng
RT: 3.10 min Scan# 173
Delta R.T. 0.04 min
Lab File: BF113481.D
Acq: 1 Apr 2019 22:07

Tgt Ion	Ratio	Lower	Upper
79	100		
52	76.5	61.0	91.4
51	38.5	30.6	45.8





#5

2-Fluorophenol

Concen: 50.197 ng

RT: 5.35 min Scan# 555

Delta R.T. 0.04 min

Lab File: BF113481.D

Acq: 1 Apr 2019 22:07

Instrument :

BNA_F

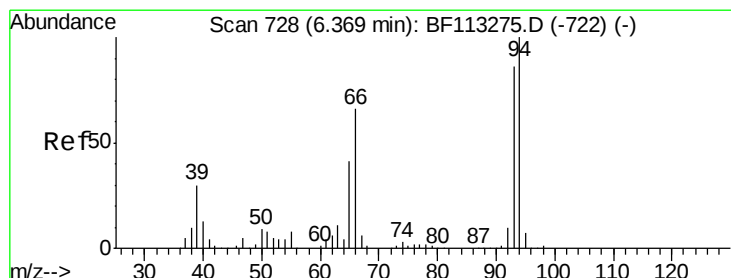
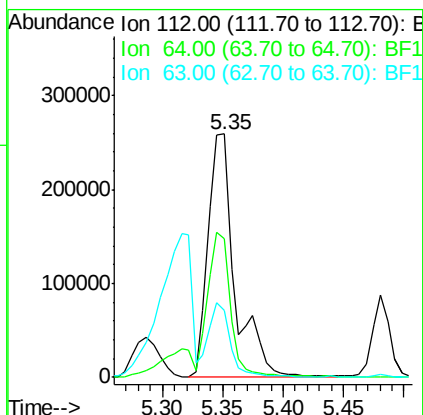
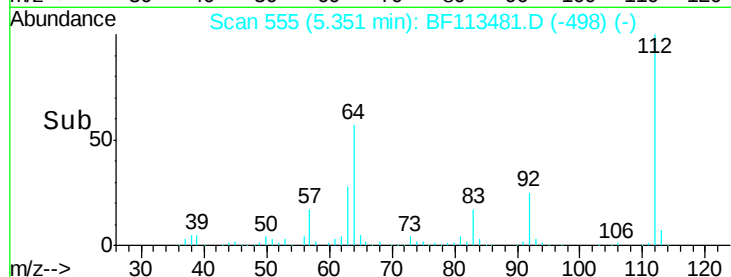
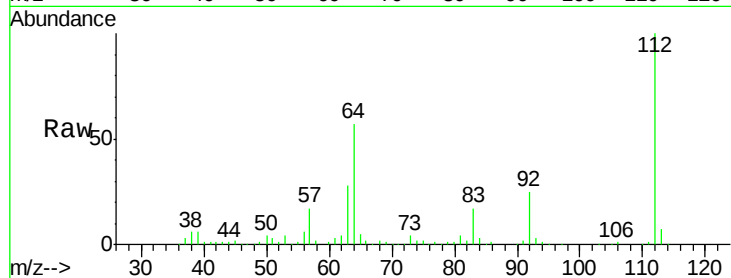
ClientSampleId :

QNWP8-MW30D-GWRE

Tgt Ion:	112	Resp:	401701
Ion Ratio	Lower	Upper	
112	100		
64	57.2	49.2	73.8
63	27.6	24.9	37.3

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#6

Aniline

Concen: 16.986 ng

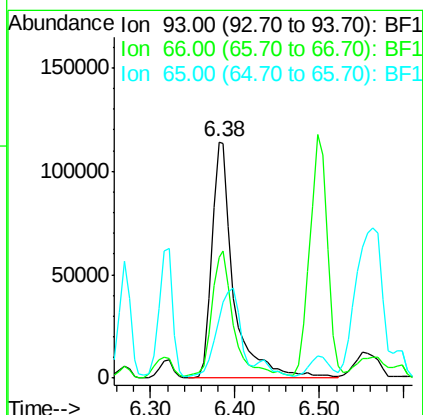
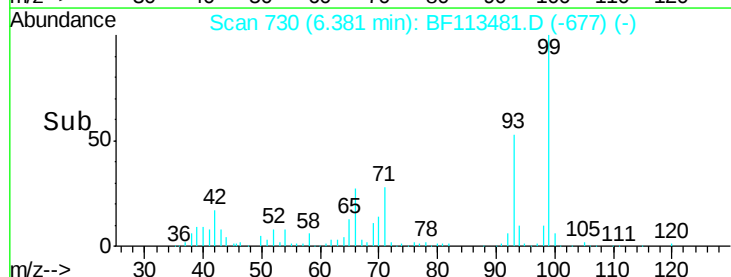
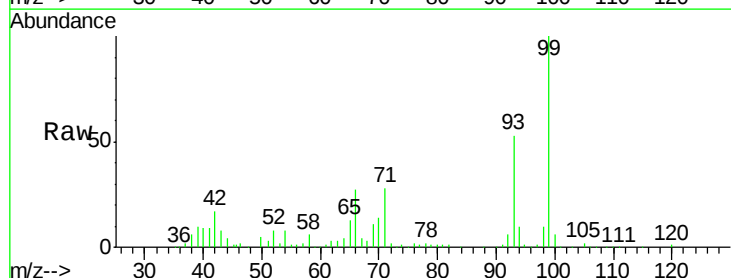
RT: 6.38 min Scan# 730

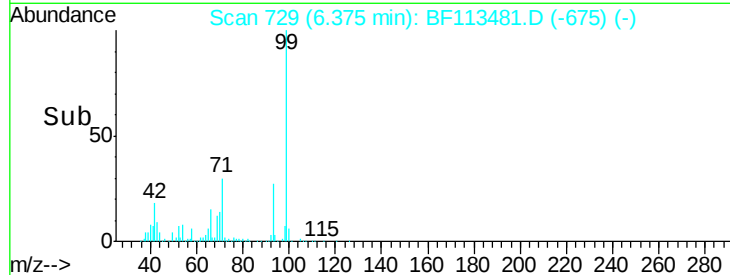
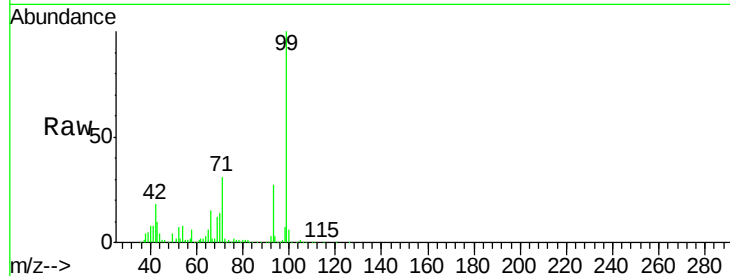
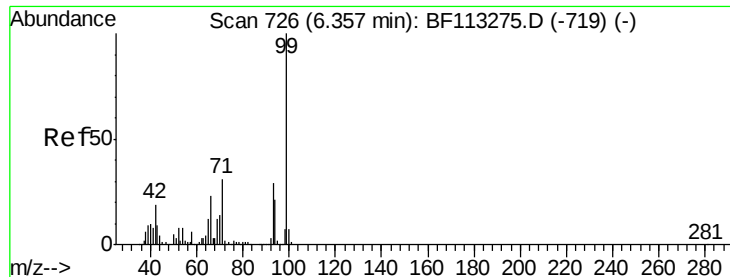
Delta R.T. 0.01 min

Lab File: BF113481.D

Acq: 1 Apr 2019 22:07

Tgt Ion:	93	Resp:	209412
Ion Ratio	Lower	Upper	
93	100		
66	51.1	62.1	93.1#
65	25.3	38.7	58.1#





#7

Phenol-d6

Concen: 29.119 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.02 min

Lab File: BF113481.D

Acq: 1 Apr 2019 22:07

Tgt Ion:	99	Resp:	294788
Ion Ratio	Lower	Upper	
99	100		
42	17.9	14.8	22.2
71	30.7	24.9	37.3

Instrument :

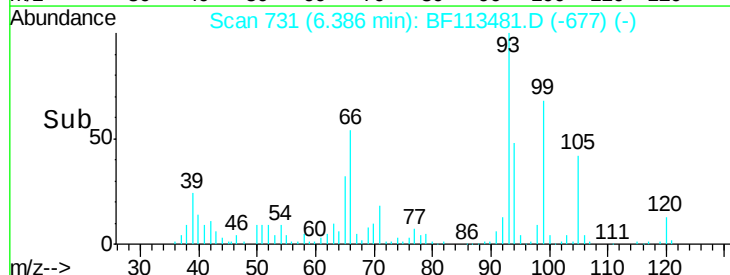
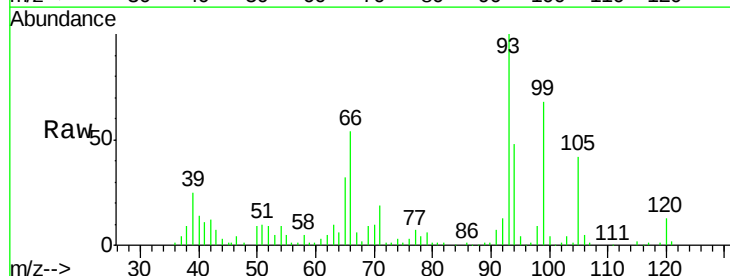
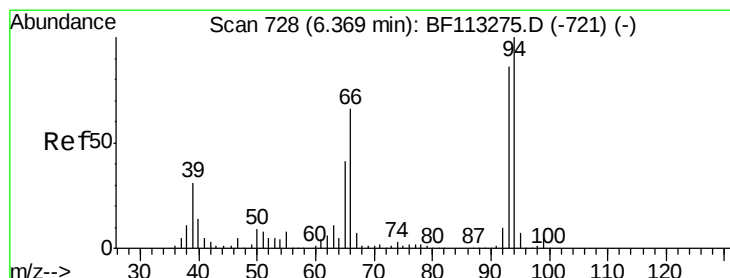
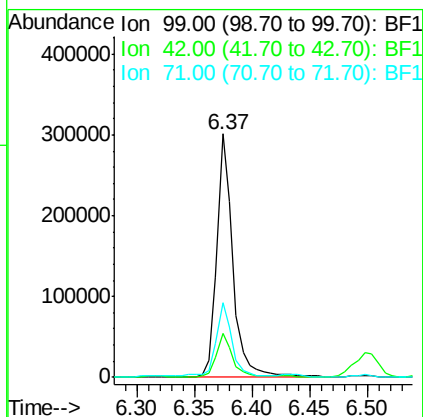
BNA_F

ClientSampleId :

QNWP8-MW30D-GWRE

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#10

Phenol

Concen: 6.251 ng

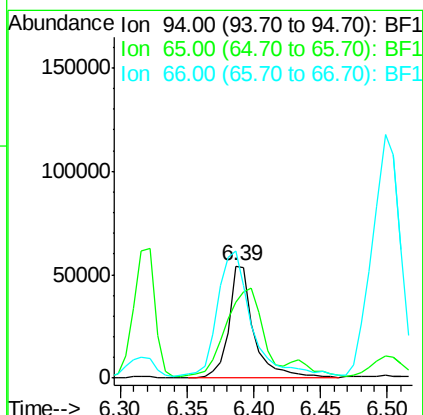
RT: 6.39 min Scan# 731

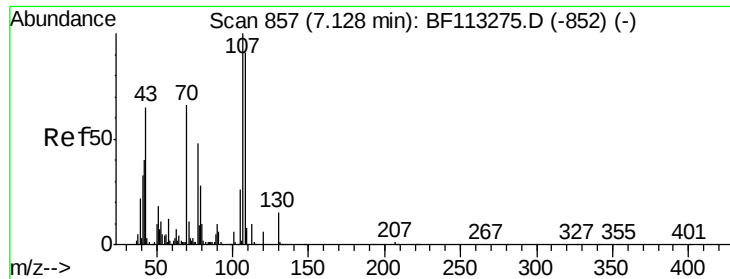
Delta R.T. 0.02 min

Lab File: BF113481.D

Acq: 1 Apr 2019 22:07

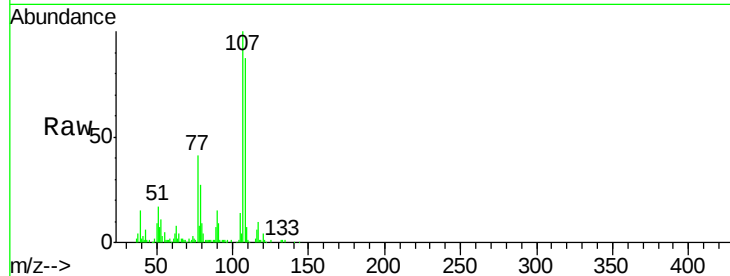
Tgt Ion:	94	Resp:	72245
Ion Ratio	Lower	Upper	
94	100		
65	67.5	21.4	61.4#
66	114.3	46.4	86.4#





#20
 3+4-Methylphenols
 Concen: 32.047 ng
 RT: 7.15 min Scan# 860
 Delta R.T. 0.02 min
 Lab File: BF113481.D
 Acq: 1 Apr 2019 22:07

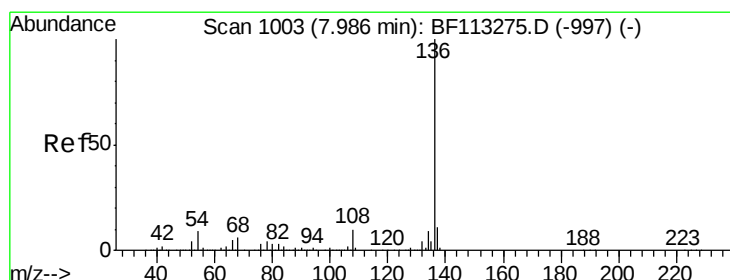
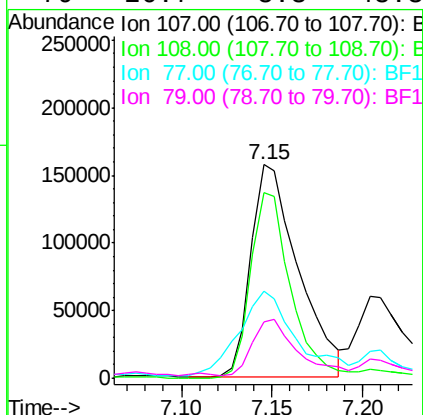
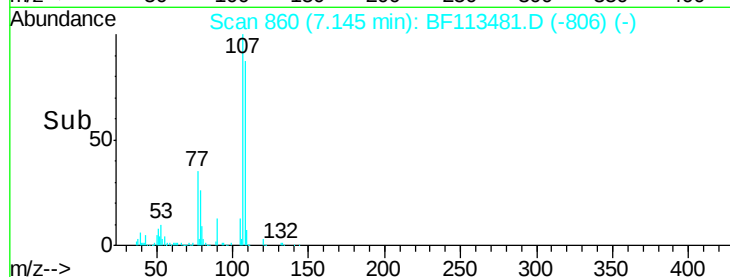
Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW30D-GWRE



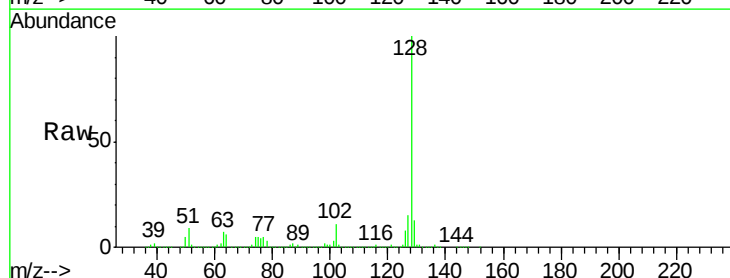
Tgt Ion	Ratio	Resp	Lower	Upper
107	100	286109		
108	87.0	71.4	111.4	
77	40.8	33.5	73.5	
79	26.7	8.3	48.3	

Manual Integrations
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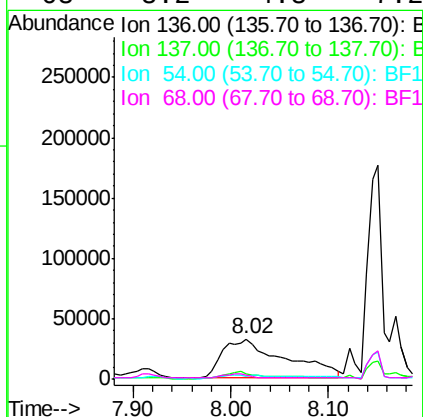
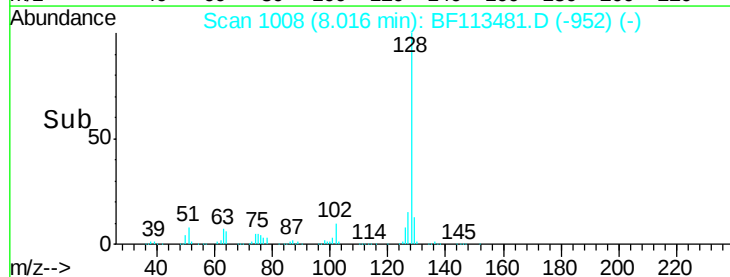
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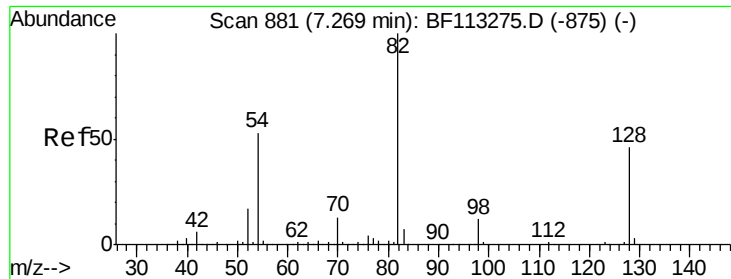


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.02 min Scan# 1008
 Delta R.T. 0.03 min
 Lab File: BF113481.D
 Acq: 1 Apr 2019 22:07



Tgt Ion	Ratio	Resp	Lower	Upper
136	100	146852		
137	12.8	8.9	13.3	
54	7.9	7.0	10.6	
68	8.2	4.8	7.2#	





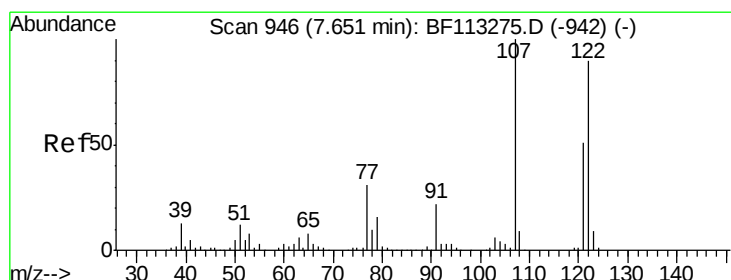
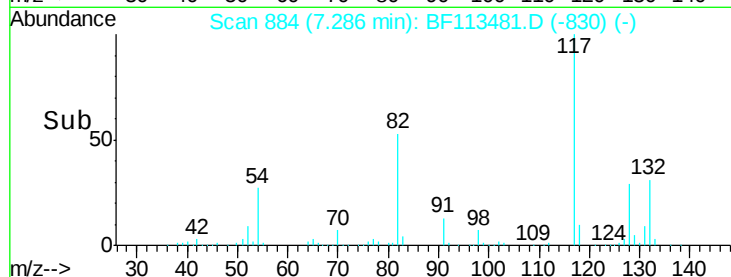
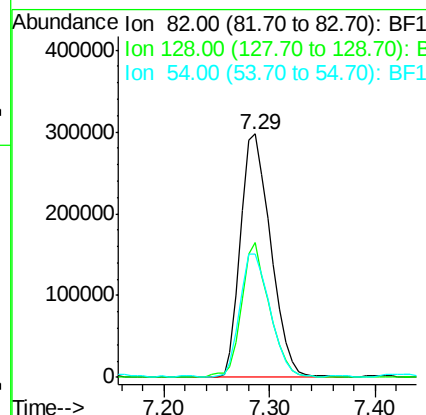
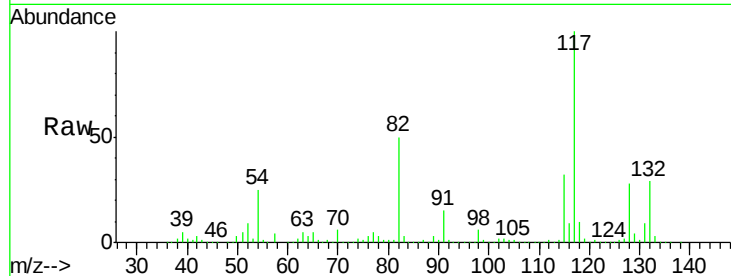
#23
 Nitrobenzene-d5
 Concen: 237.082 ng
 RT: 7.29 min Scan# 884
 Delta R.T. 0.02 min
 Lab File: BF113481.D
 Acq: 1 Apr 2019 22:07

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW30D-GWRE

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	586580		
128	55.3	36.5	54.7#	
54	50.5	42.2	63.2	

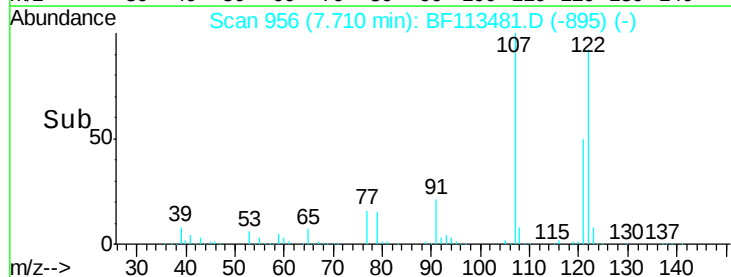
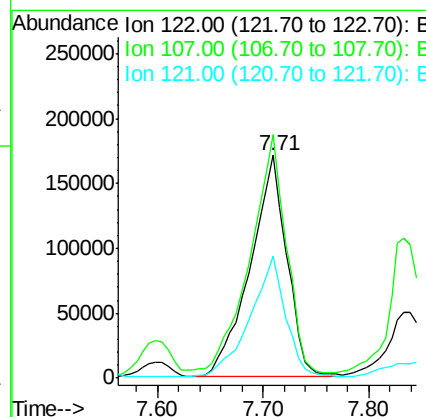
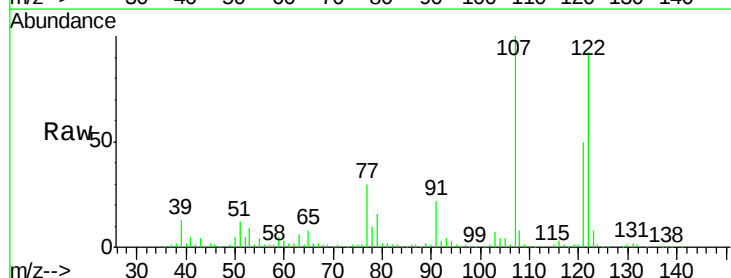
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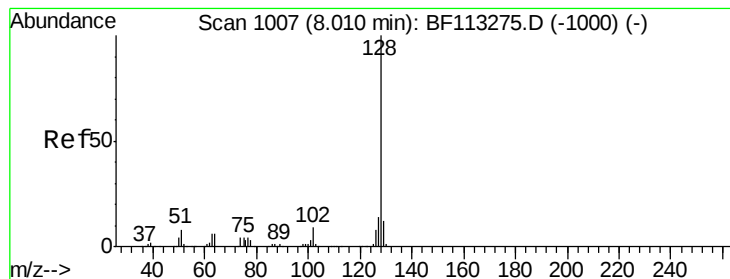
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#27
 2,4-Dimethylphenol
 Concen: 209.201 ng
 RT: 7.71 min Scan# 956
 Delta R.T. 0.06 min
 Lab File: BF113481.D
 Acq: 1 Apr 2019 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	410683		
107	109.2	88.8	133.2	
121	54.5	45.5	68.3	





#31

Naphthalene

Concen: 3666.167 ng m

RT: 8.13 min Scan# 1027

Delta R.T. 0.12 min

Lab File: BF113481.D

Acq: 1 Apr 2019 22:07

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW30D-GWRE

Tgt Ion:128 Resp:26309525

Ion Ratio Lower Upper

128 100

129 13.4 9.3 13.9

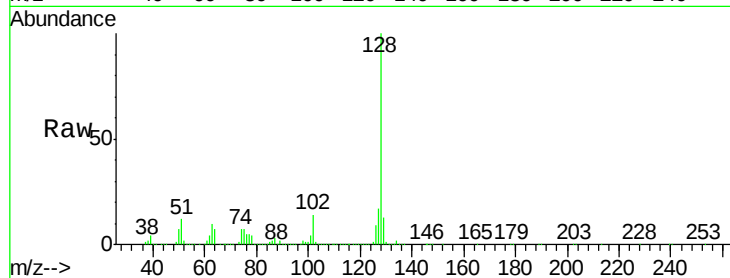
127 17.4 10.9 16.3#

Manual Integrations

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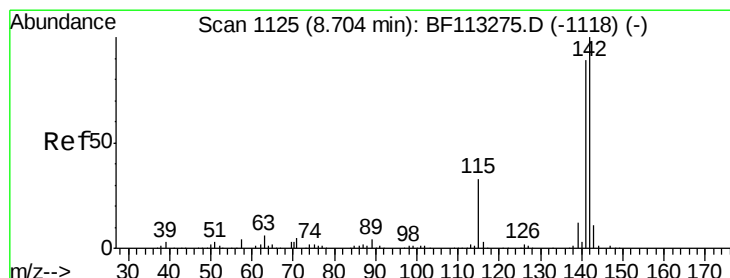
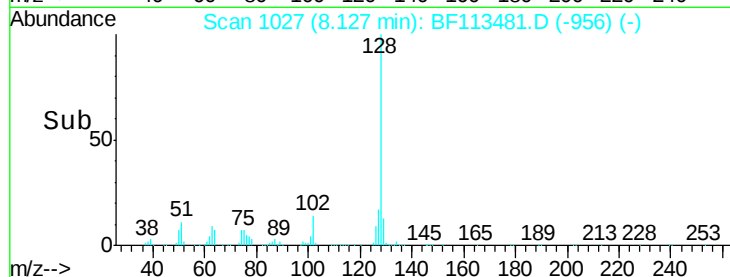
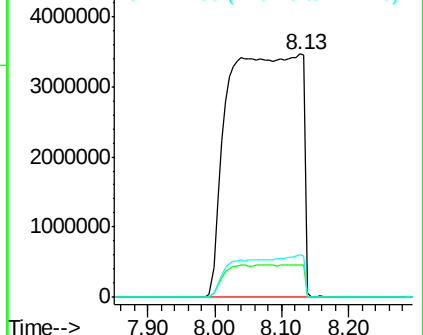
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 766.896 ng

RT: 8.73 min Scan# 1129

Delta R.T. 0.02 min

Lab File: BF113481.D

Acq: 1 Apr 2019 22:07

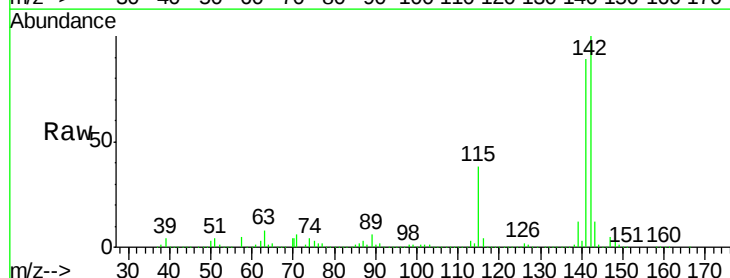
Tgt Ion:142 Resp: 3433983

Ion Ratio Lower Upper

142 100

141 88.9 71.0 106.6

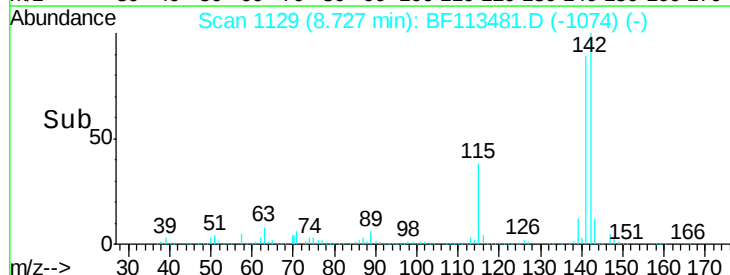
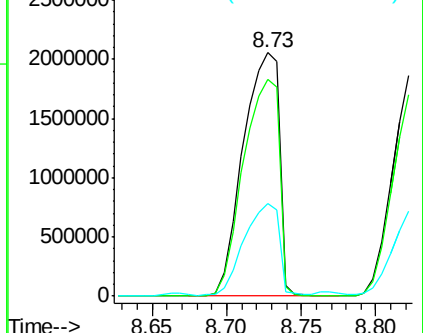
115 38.1 26.6 39.8

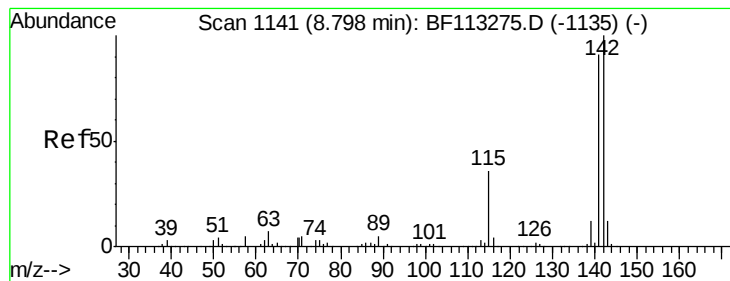


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





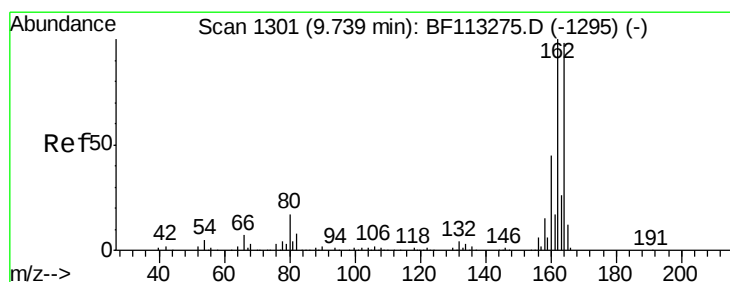
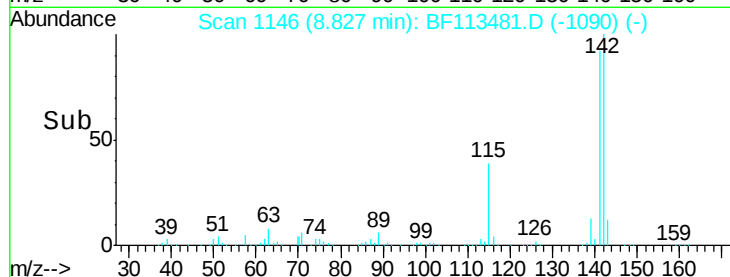
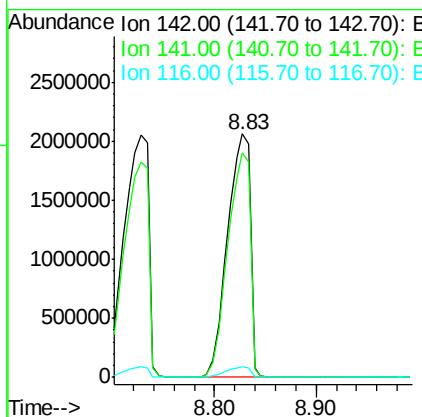
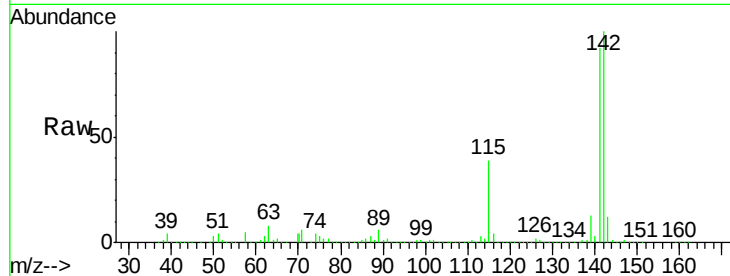
#38
1-Methylnaphthalene
Concen: 743.984 ng
RT: 8.83 min Scan# 1146
Delta R.T. 0.03 min
Lab File: BF113481.D
Acq: 1 Apr 2019 22:07

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW30D-GWRE

Tgt Ion:142 Resp: 3204334
Ion Ratio Lower Upper
142 100
141 92.1 73.2 109.8
116 4.2 3.0 4.4

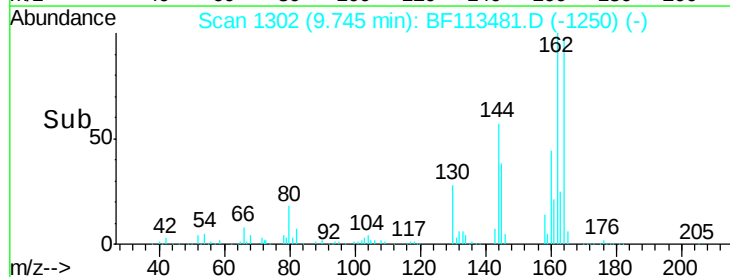
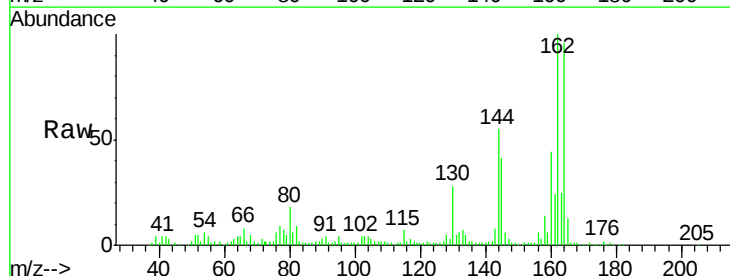
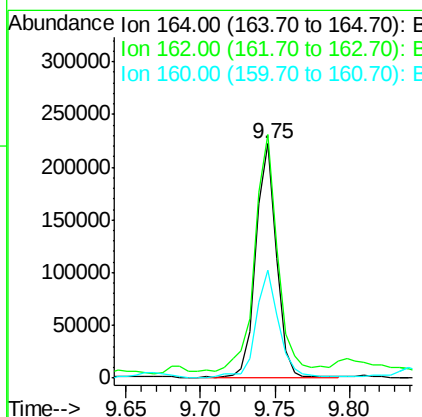
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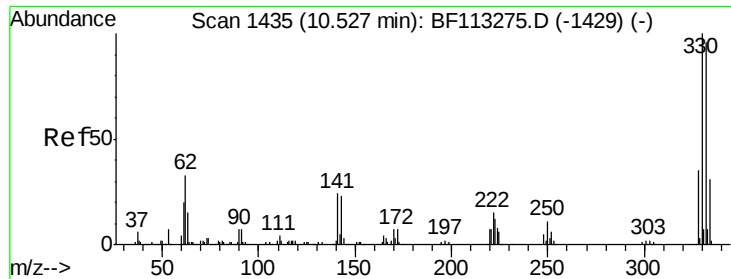
Sohil
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. 0.01 min
Lab File: BF113481.D
Acq: 1 Apr 2019 22:07

Tgt Ion:164 Resp: 206835
Ion Ratio Lower Upper
164 100
162 104.0 81.8 122.6
160 46.1 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 92.390 ng

RT: 10.53 min Scan# 1436

Delta R.T. 0.01 min

Lab File: BF113481.D

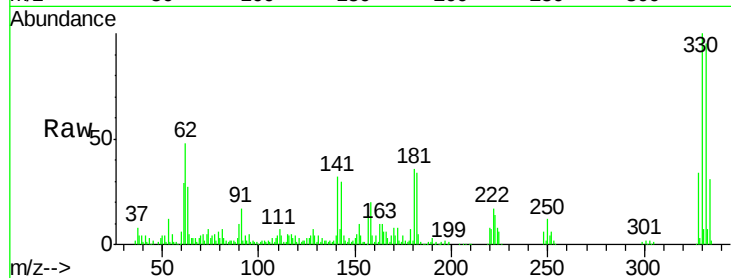
Acq: 1 Apr 2019 22:07

Instrument :

BNA_F

ClientSampleId :

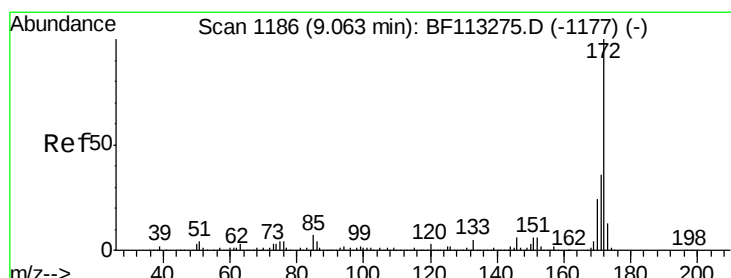
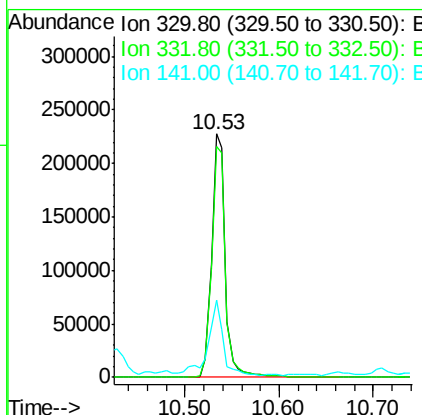
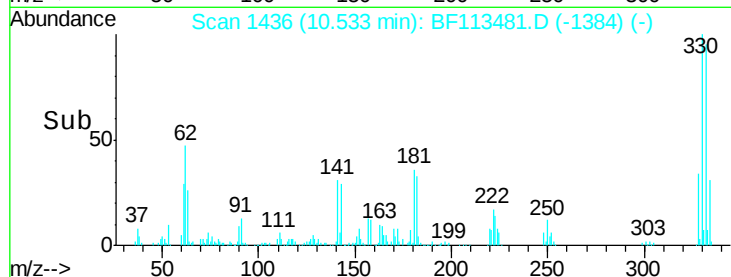
QNWP8-MW30D-GWRE



Tgt Ion:	330	Resp:	236047
Ion Ratio	Lower	Upper	
330	100		
332	96.8	77.8	116.6
141	33.1	22.7	34.1

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#45

2-Fluorobiphenyl

Concen: 75.387 ng

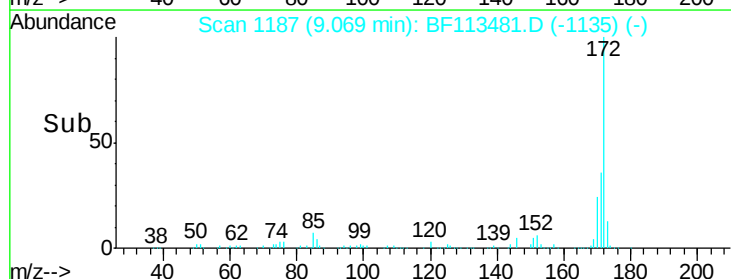
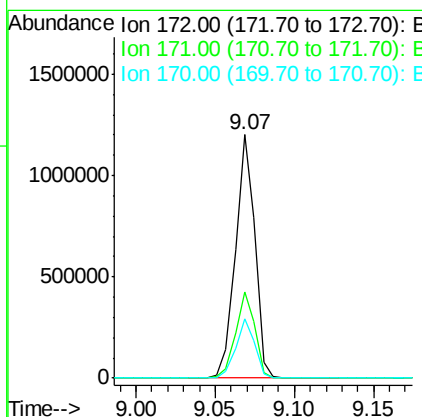
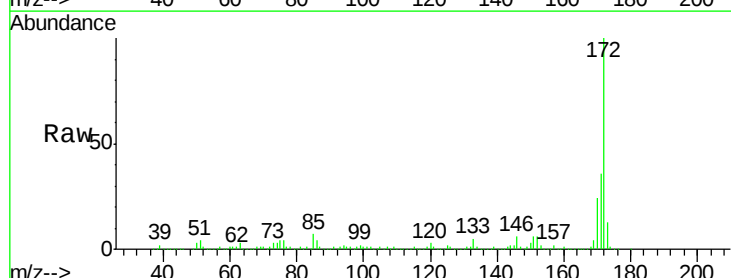
RT: 9.07 min Scan# 1187

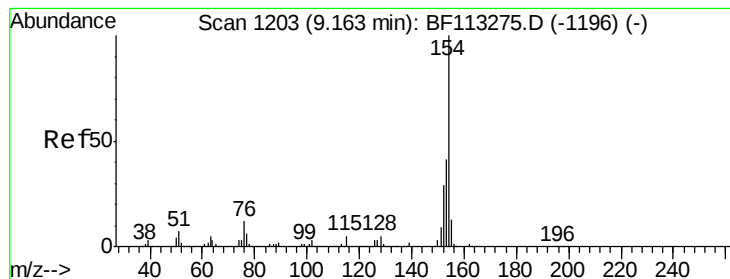
Delta R.T. 0.01 min

Lab File: BF113481.D

Acq: 1 Apr 2019 22:07

Tgt Ion:	172	Resp:	1021159
Ion Ratio	Lower	Upper	
172	100		
171	35.6	29.0	43.6
170	24.2	19.5	29.3





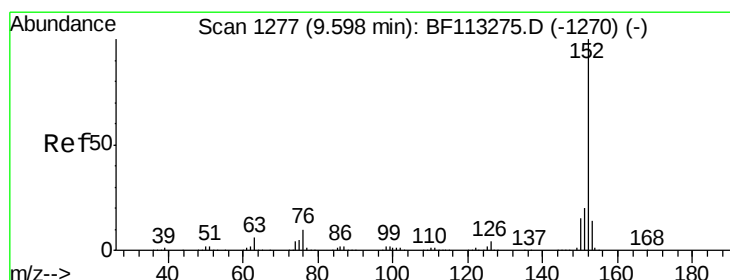
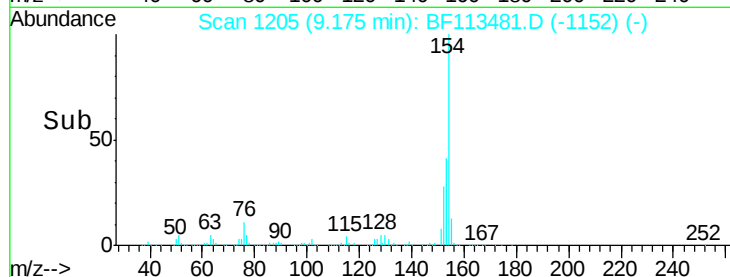
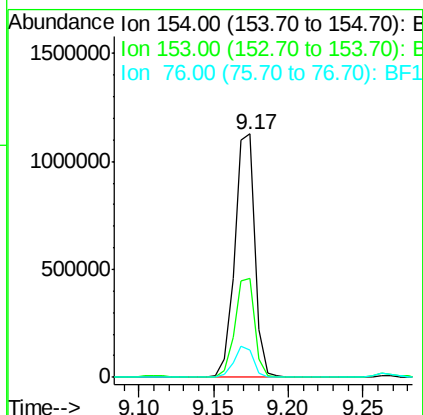
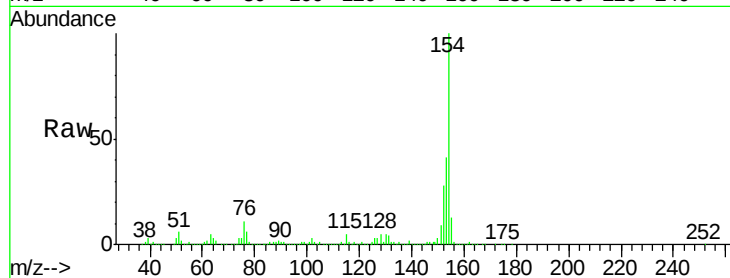
#46
1,1'-Biphenyl
Concen: 62.243 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.01 min
Lab File: BF113481.D
Acq: 1 Apr 2019 22:07

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW30D-GWRE

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.8	60.8
76	11.2	0.0	31.9

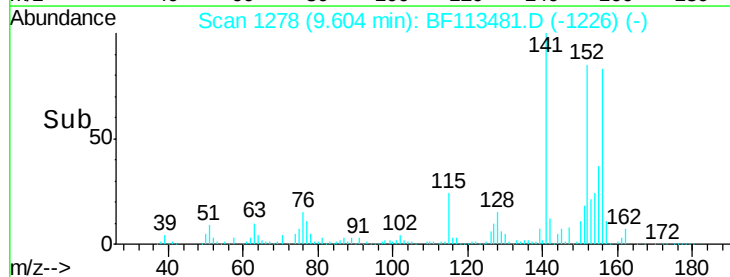
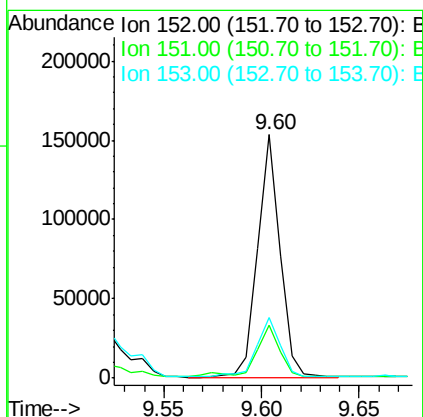
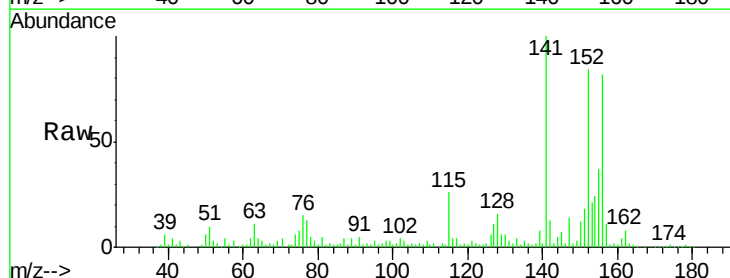
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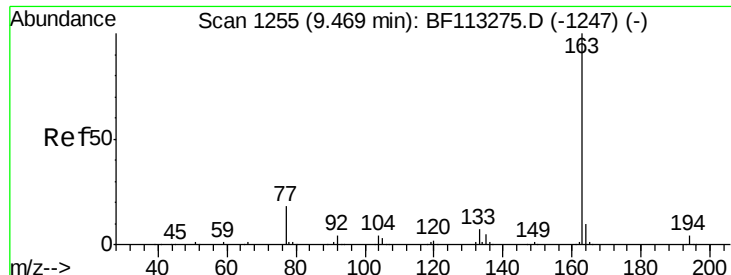
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#49
Acenaphthylene
Concen: 5.659 ng
RT: 9.60 min Scan# 1278
Delta R.T. 0.01 min
Lab File: BF113481.D
Acq: 1 Apr 2019 22:07

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.6	16.2	24.4
153	24.9	11.0	16.6#





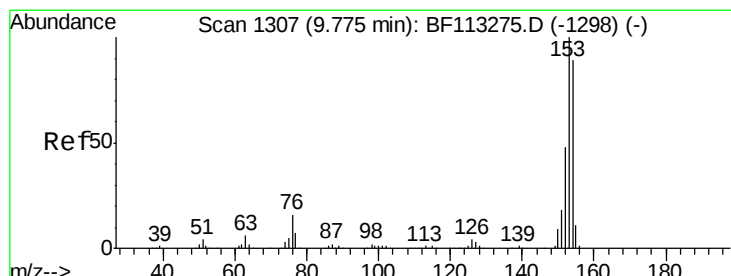
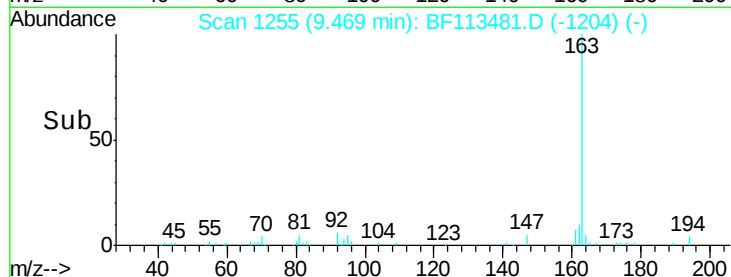
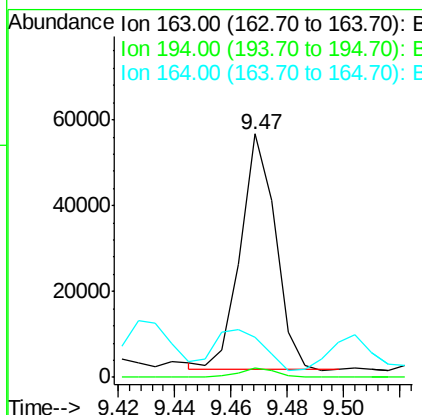
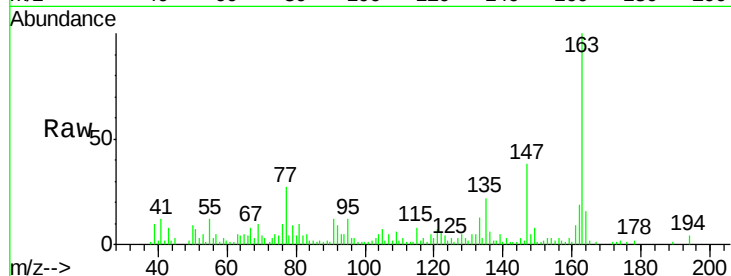
#50
Dimethylphthalate
Concen: 3.079 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.00 min
Lab File: BF113481.D
Acq: 1 Apr 2019 22:07

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW30D-GWRE

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	16.4	8.1	12.1

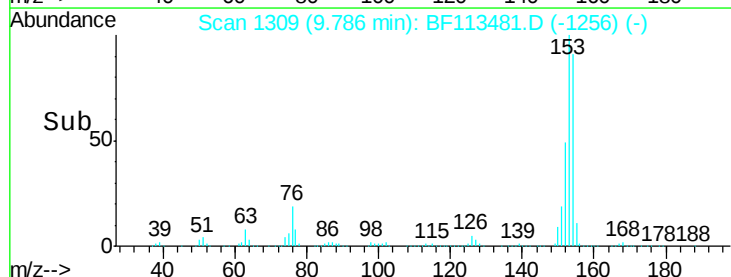
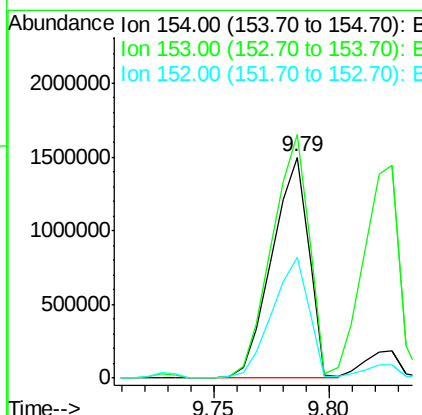
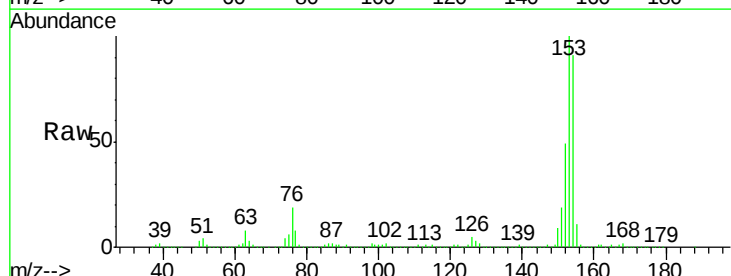
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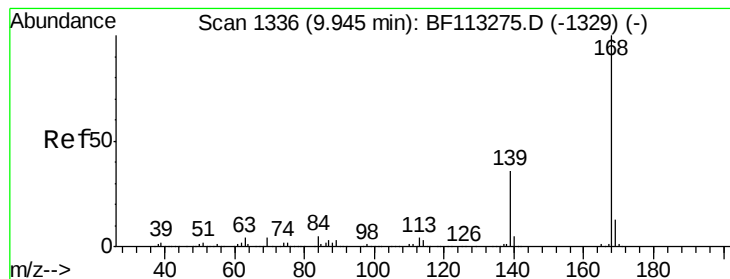
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#52
Acenaphthene
Concen: 136.639 ng
RT: 9.79 min Scan# 1309
Delta R.T. 0.01 min
Lab File: BF113481.D
Acq: 1 Apr 2019 22:07

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.1	89.5	134.3
152	54.4	43.3	64.9





#55

Dibenzenofuran

Concen: 104.120 ng

RT: 9.96 min Scan# 1338

Delta R.T. 0.01 min

Lab File: BF113481.D

Acq: 1 Apr 2019 22:07

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW30D-GWRE

Tgt Ion:168 Resp: 1895734

Ion Ratio Lower Upper

168 100

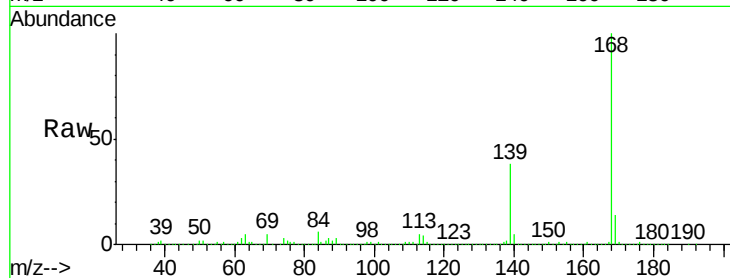
139 38.3 29.7 44.5

169 14.2 10.7 16.1

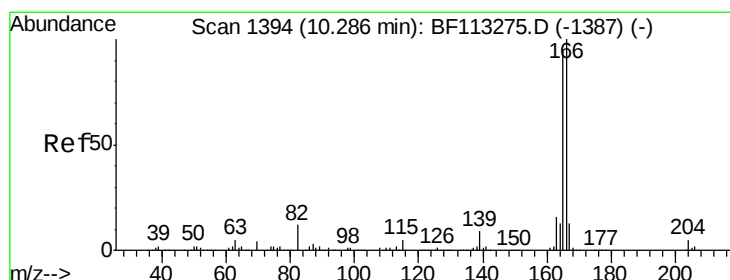
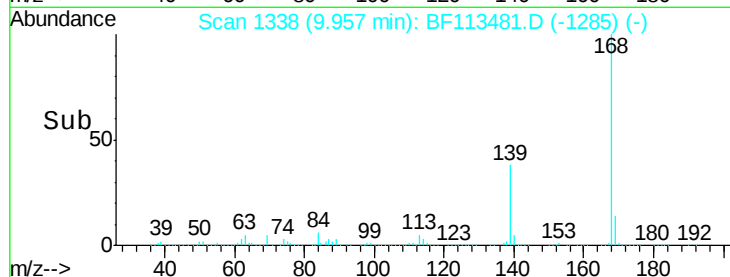
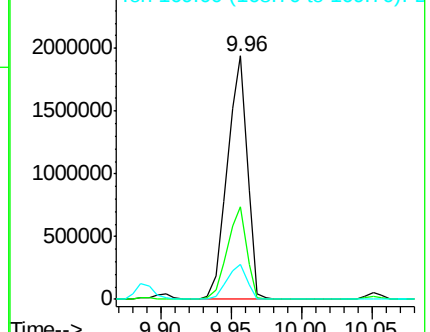
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Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#58

Fluorene

Concen: 56.928 ng

RT: 10.29 min Scan# 1395

Delta R.T. 0.01 min

Lab File: BF113481.D

Acq: 1 Apr 2019 22:07

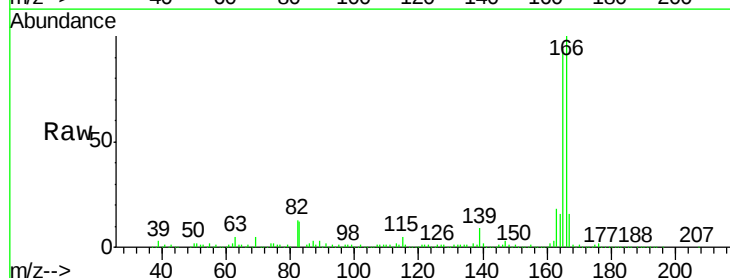
Tgt Ion:166 Resp: 805199

Ion Ratio Lower Upper

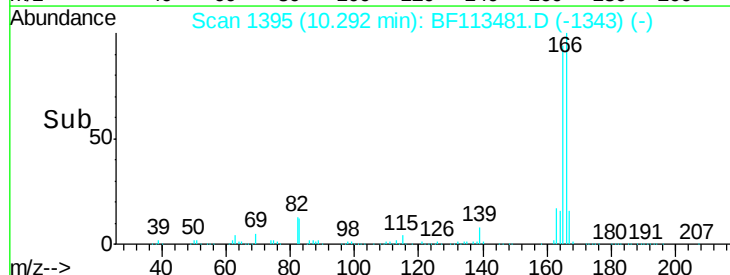
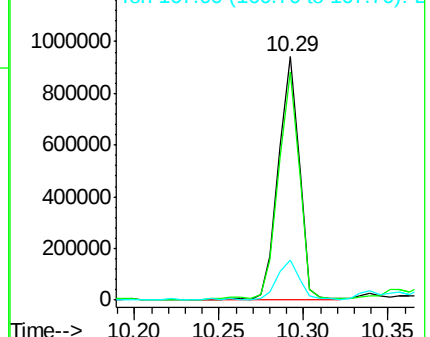
166 100

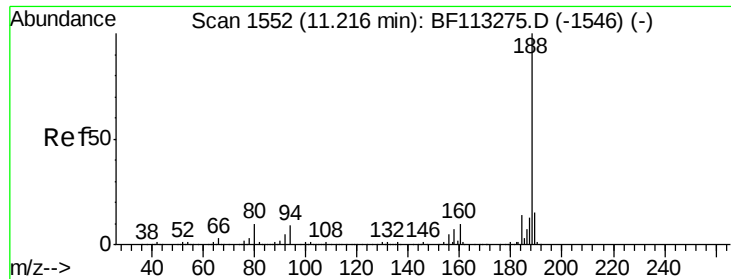
165 93.7 76.2 114.2

167 16.3 10.7 16.1#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





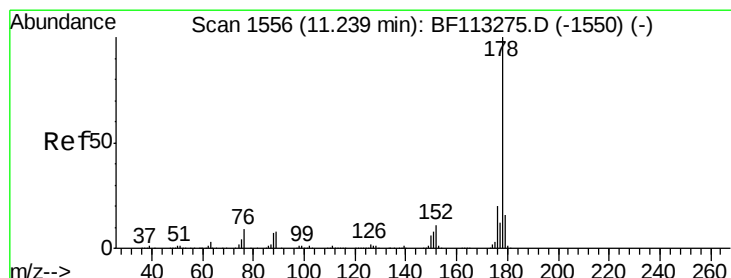
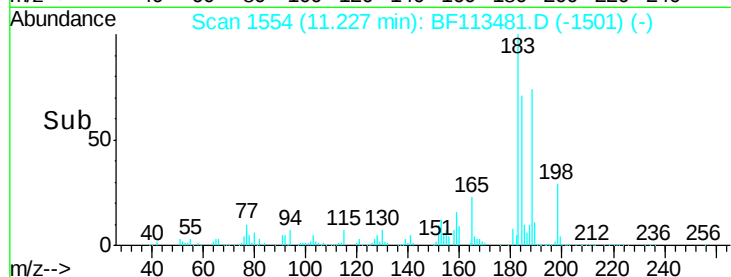
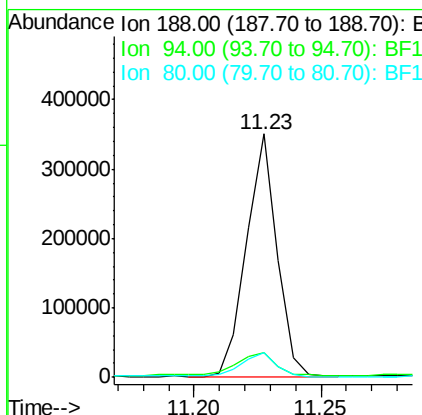
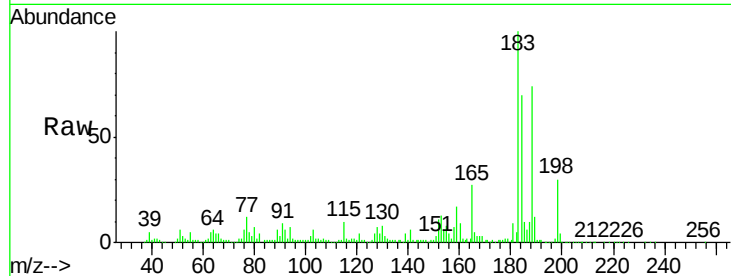
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1554
Delta R.T. 0.01 min
Lab File: BF113481.D
Acq: 1 Apr 2019 22:07

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW30D-GWRE

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	292993		
94	10.0	7.0	10.6	
80	10.0	7.7	11.5	

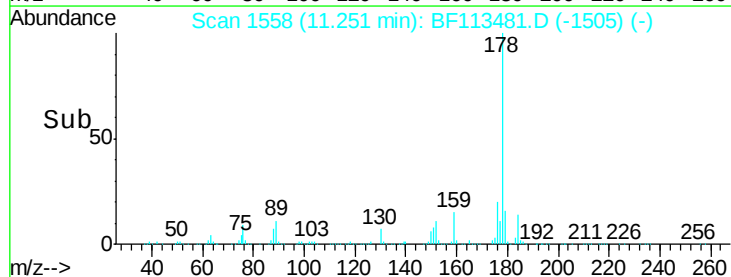
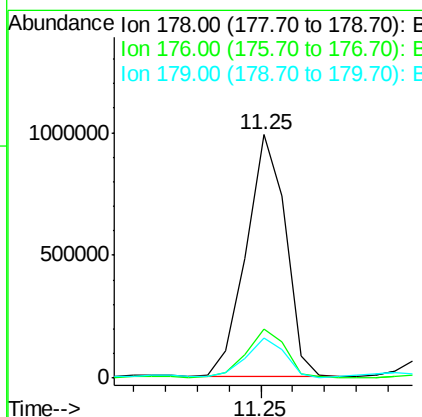
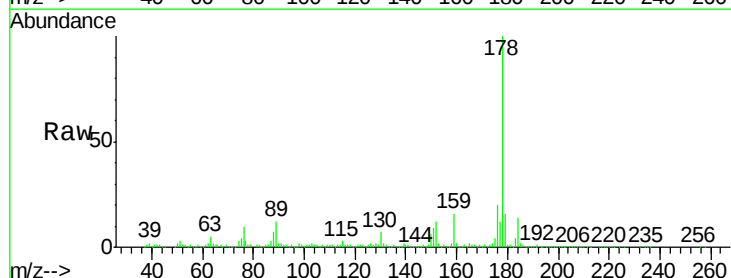
Manual Integrations
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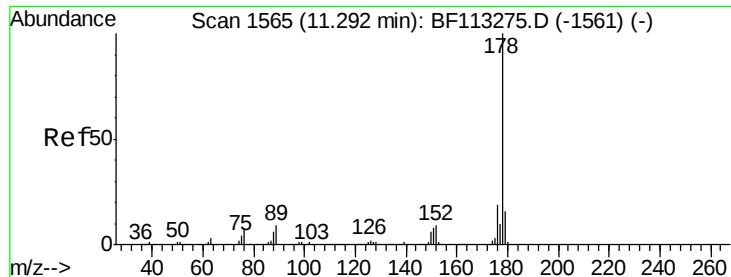
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#71
Phenanthrene
Concen: 58.312 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF113481.D
Acq: 1 Apr 2019 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	848444		
176	19.9	16.2	24.2	
179	16.3	12.7	19.1	





#72

Anthracene

Concen: 4.749 ng m

RT: 11.30 min Scan# 1566

Delta R.T. 0.01 min

Lab File: BF113481.D

Acq: 1 Apr 2019 22:07

Instrument :

BNA_F

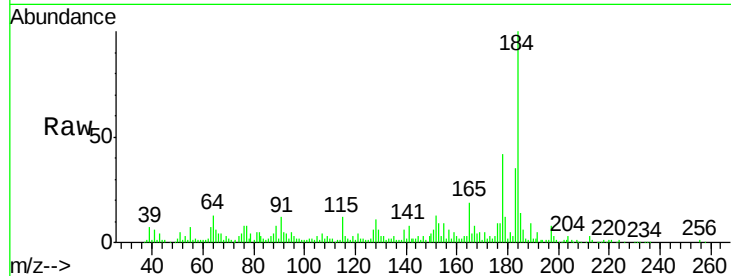
ClientSampleId :

QNWP8-MW30D-GWRE

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.6	15.4	23.2
179	27.4	12.8	19.2

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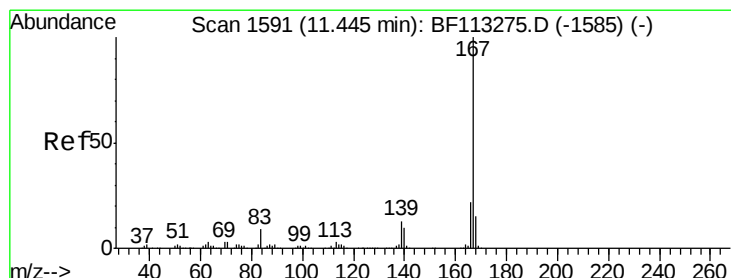
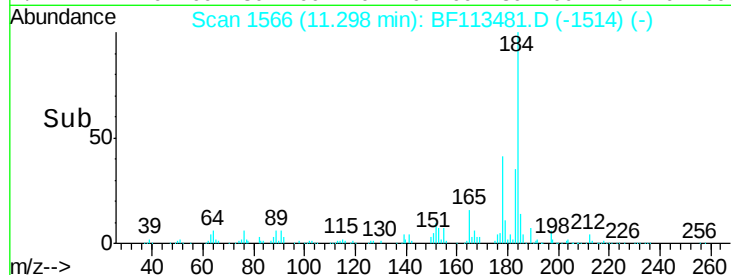
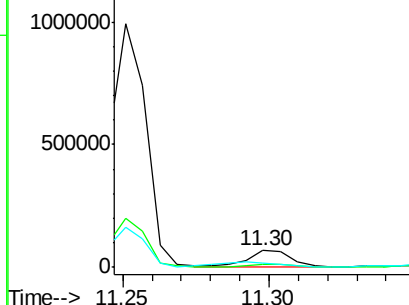
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 60.378 ng

RT: 11.46 min Scan# 1594

Delta R.T. 0.02 min

Lab File: BF113481.D

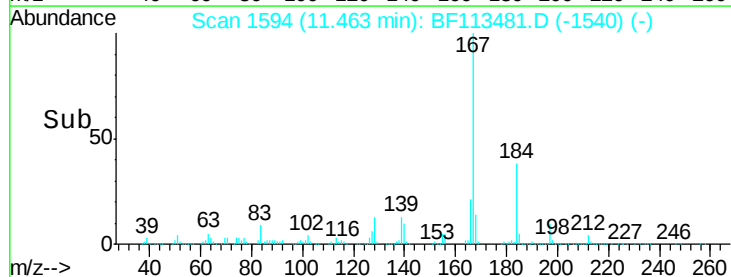
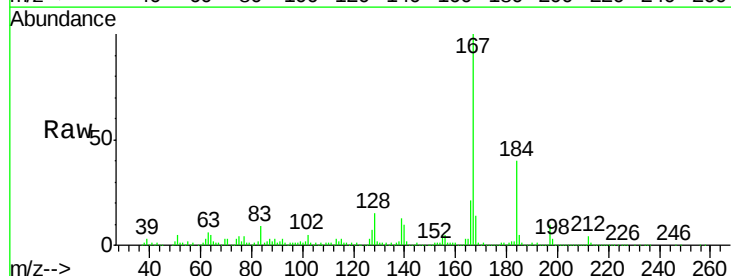
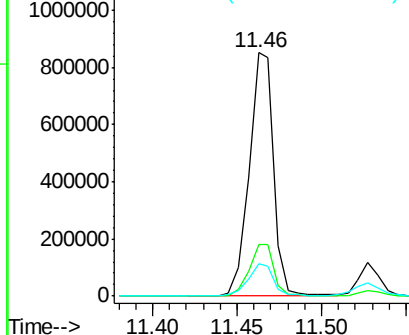
Acq: 1 Apr 2019 22:07

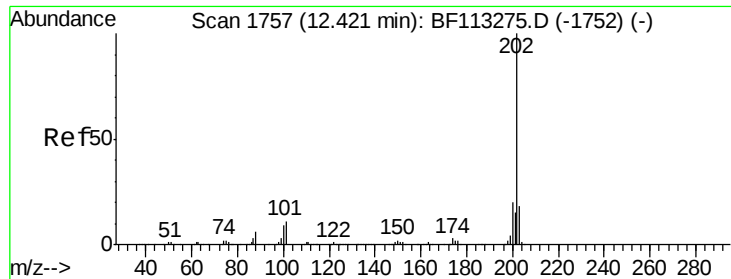
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.4	26.0
139	13.2	10.4	15.6

Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 2.450 ng

RT: 12.43 min Scan# 1759

Delta R.T. 0.01 min

Lab File: BF113481.D

Acq: 1 Apr 2019 22:07

Instrument :

BNA_F

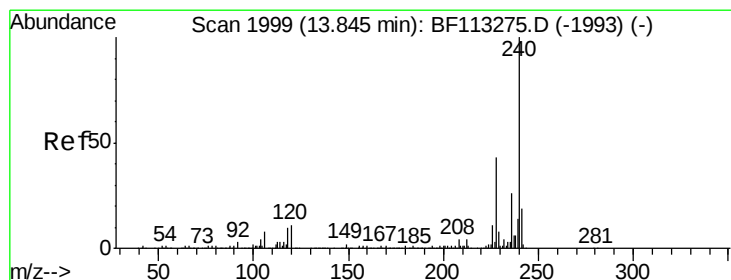
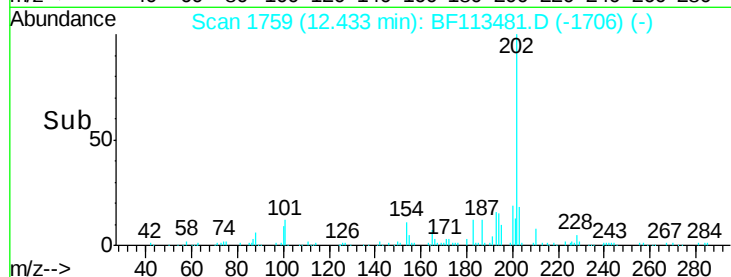
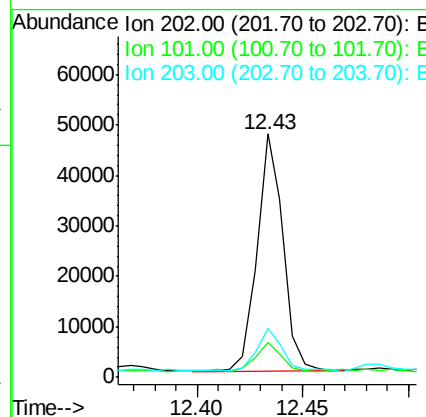
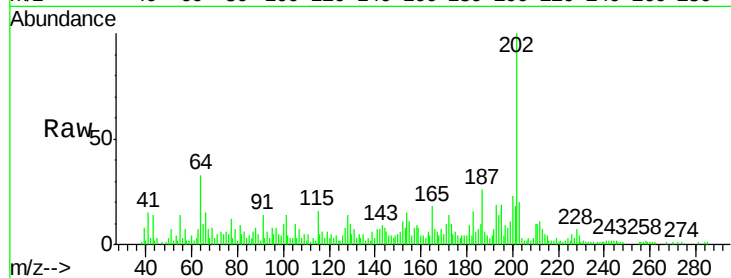
ClientSampleId :

QNWP8-MW30D-GWRE

Tgt Ion:	202	Resp:	40294
Ion Ratio		Lower	Upper
202	100		
101	14.2	0.0	31.4
203	20.2	0.0	38.0

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#76

Chrysene-d12

Concen: 20.000 ng

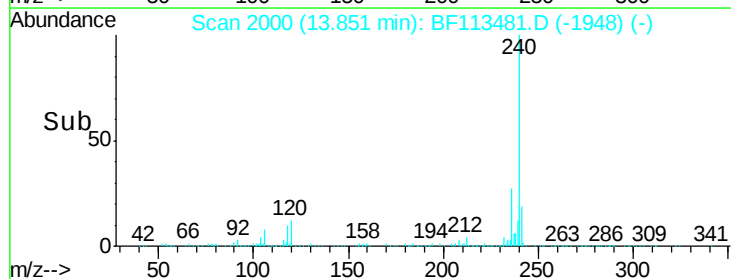
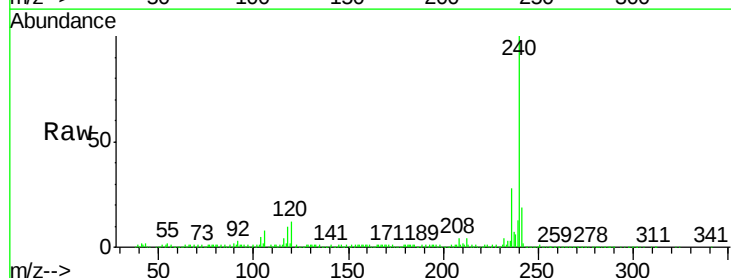
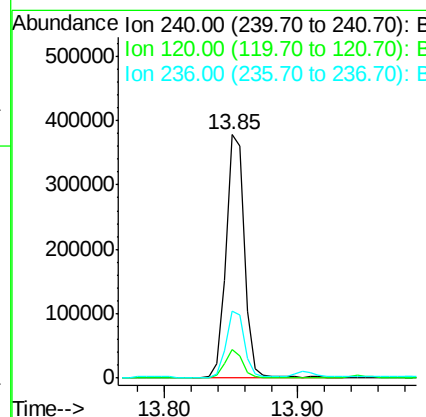
RT: 13.85 min Scan# 2000

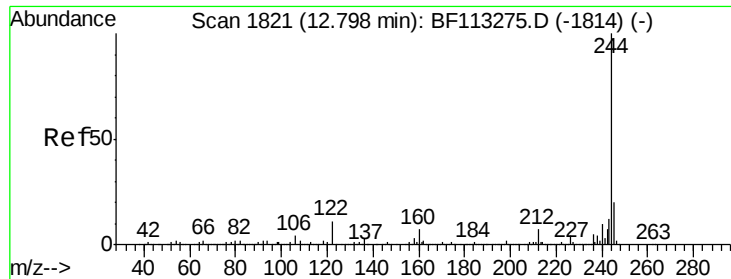
Delta R.T. 0.01 min

Lab File: BF113481.D

Acq: 1 Apr 2019 22:07

Tgt Ion:	240	Resp:	365815
Ion Ratio		Lower	Upper
240	100		
120	12.0	8.8	13.2
236	27.6	20.9	31.3





#79

Terphenyl-d14

Concen: 56.081 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.01 min

Lab File: BF113481.D

Acq: 1 Apr 2019 22:07

Instrument :

BNA_F

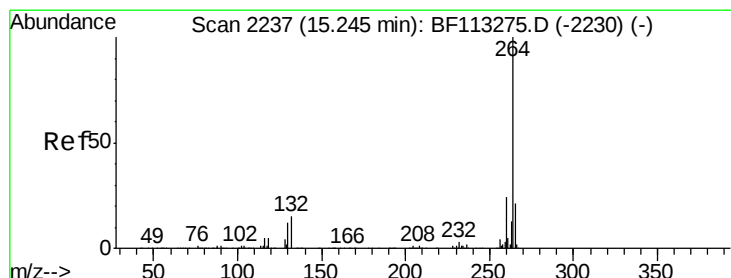
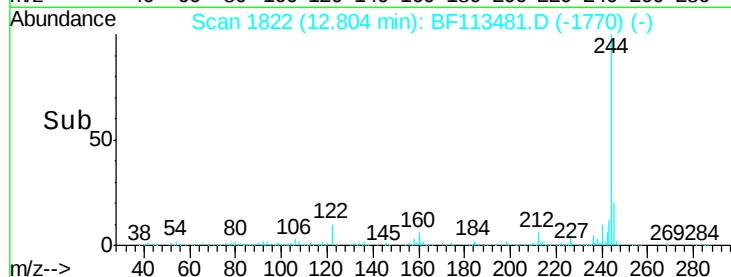
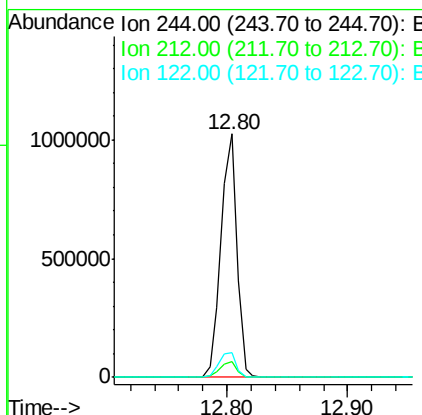
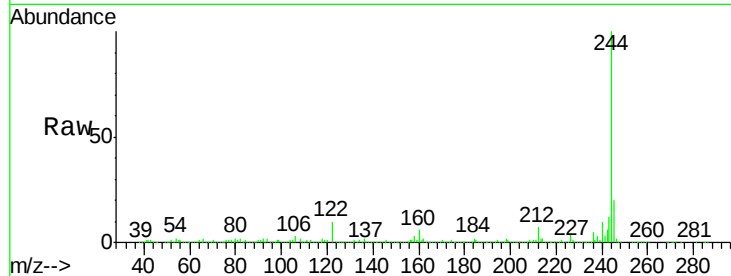
ClientSampleId :

QNWP8-MW30D-GWRE

Tgt Ion:	244	Resp:	930753
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.5	8.3
122	10.2	8.6	13.0

Manual Integrations
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#87

Perylene-d12

Concen: 20.000 ng

RT: 15.26 min Scan# 2240

Delta R.T. 0.02 min

Lab File: BF113481.D

Acq: 1 Apr 2019 22:07

Tgt Ion:	264	Resp:	246898
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.1	28.7
265	21.8	17.1	25.7

