

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
 Data File : BF113464.D
 Acq On : 1 Apr 2019 14:07
 Operator : JU/SJ
 Sample : K2115-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW26S-GW

Manual Integrations
 APPROVED

Sohil
 4/2/2019 3:49:10 PM

Quant Time: Apr 02 07:00:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 01 14:33:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	143318	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	377064	20.00	ng	0.00
39) Acenaphthene-d10	9.74	164	254778	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	462077	20.00	ng	0.00
76) Chrysene-d12	13.85	240	399725	20.00	ng	0.00
87) Perylene-d12	15.25	264	419963	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	267204m	30.49	ng	0.01
7) Phenol-d6	6.36	99	188803	17.03	ng	0.00
23) Nitrobenzene-d5	7.27	82	549253	86.46	ng	0.00
42) 2,4,6-Tribromophenol	10.53	330	196115	62.32	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1037712	58.30	ng	0.00
79) Terphenyl-d14	12.80	244	1114870	61.48	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.36	88	12915	2.904	ng	96
6) Aniline	6.37	93	105936	7.845	ng	# 72
10) Phenol	6.37	94	79053	6.245	ng	79
17) 2-Methylphenol	6.98	107	84392	10.580	ng	93
20) 3+4-Methylphenols	7.13	107	201198	17.361	ng	# 84
22) Acetophenone	7.12	105	62784	7.301	ng	# 98
27) 2,4-Dimethylphenol	7.67	122	491167	97.443	ng	99
31) Naphthalene	8.05	128	11590443	629.019	ng	95
37) 2-Methylnaphthalene	8.70	142	812475	70.666	ng	98
38) 1-Methylnaphthalene	8.80	142	1094101	98.935	ng	99
46) 1,1'-Biphenyl	9.16	154	325961	15.318	ng	97
50) Dimethylphthalate	9.46	163	72347	3.832	ng	# 90
52) Acenaphthene	9.77	154	547143	36.676	ng	99
55) Dibenzofuran	9.95	168	630710	28.122	ng	98
58) Fluorene	10.28	166	348533	20.005	ng	98
71) Phenanthrene	11.24	178	438892	19.126	ng	99
72) Anthracene	11.29	178	53918	2.313	ng	99
73) Carbazole	11.45	167	413383	18.587	ng	99

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

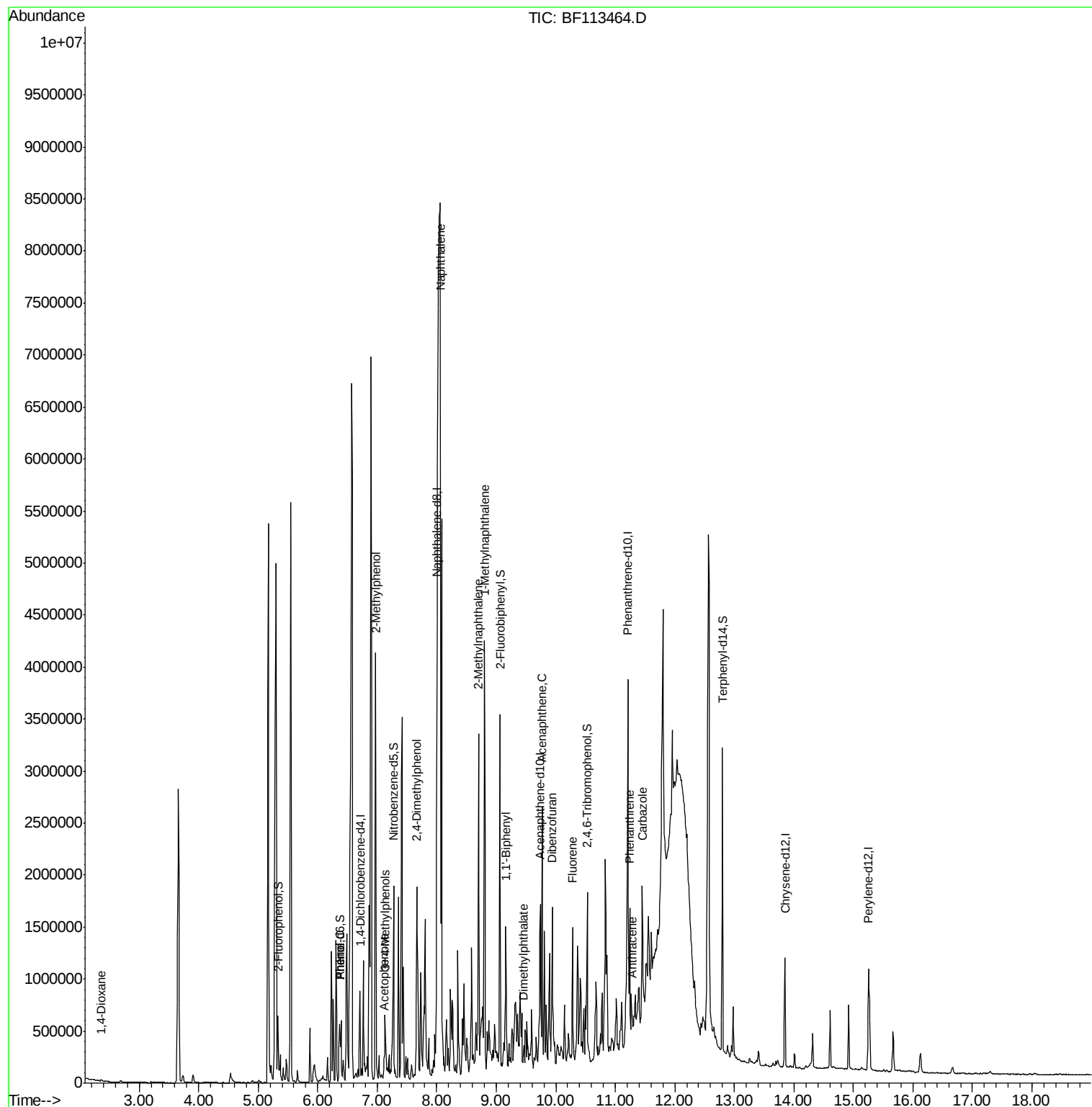
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
Data File : BF113464.D
Acq On : 1 Apr 2019 14:07
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
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#1

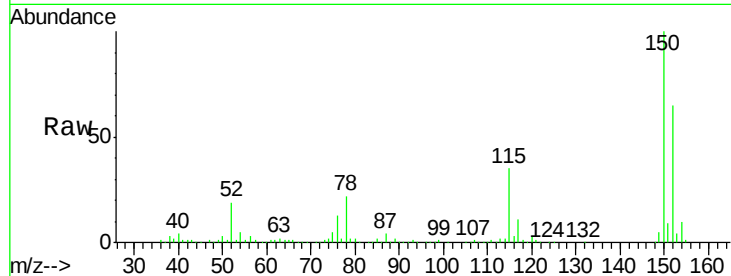
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF113464.D
Acq: 1 Apr 2019 14:07

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

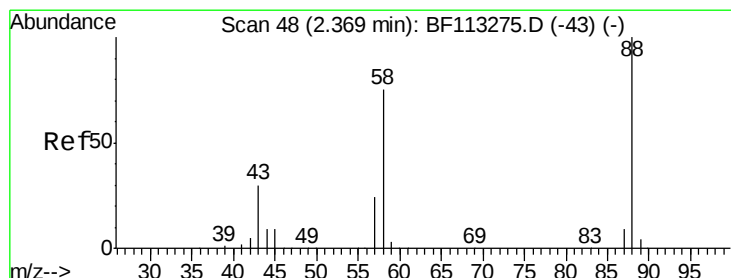
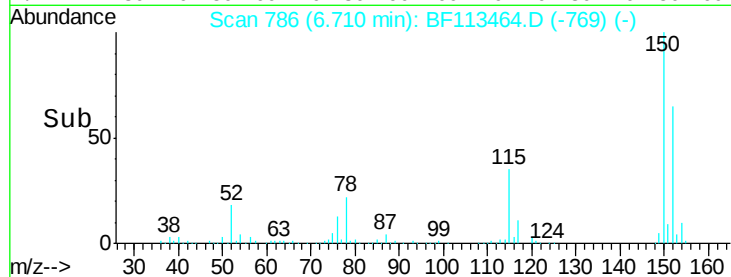
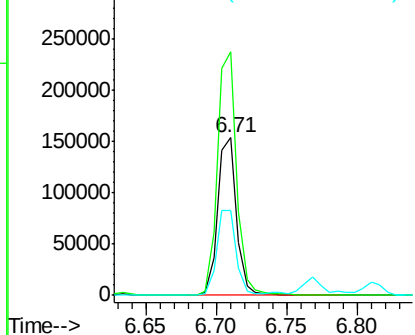
Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.5	123.6	185.4
115	53.7	45.8	68.6

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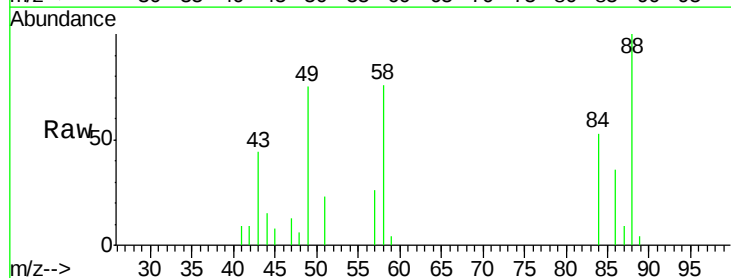
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



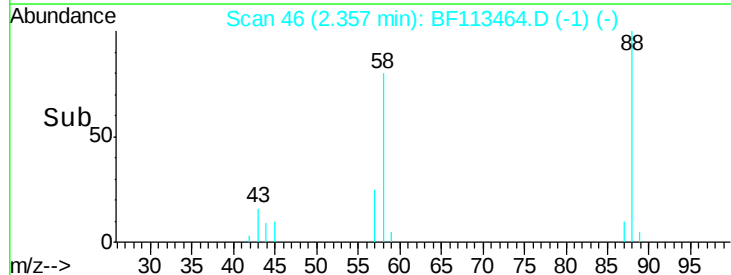
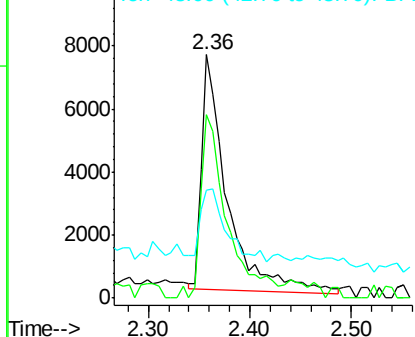
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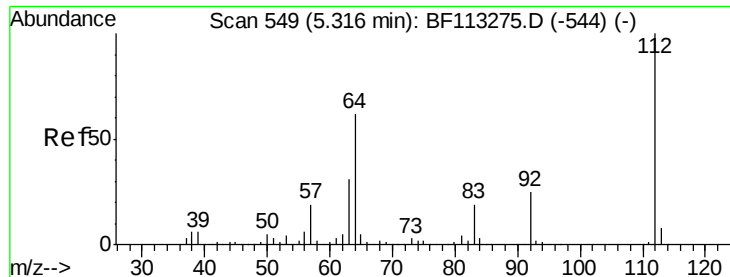
1,4-Dioxane
Concen: 2.904 ng
RT: 2.36 min Scan# 46
Delta R.T. 0.01 min
Lab File: BF113464.D
Acq: 1 Apr 2019 14:07

Tgt Ion	Ratio	Lower	Upper
88	100		
58	81.7	62.7	94.1
43	31.5	23.2	34.8



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

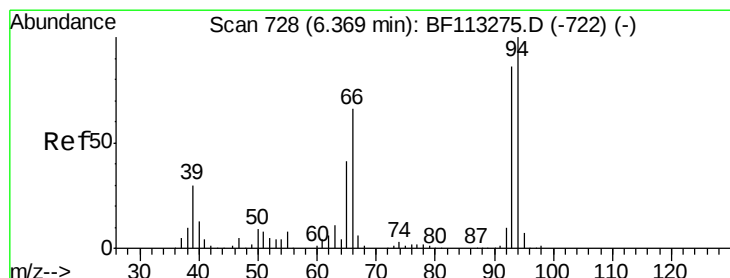
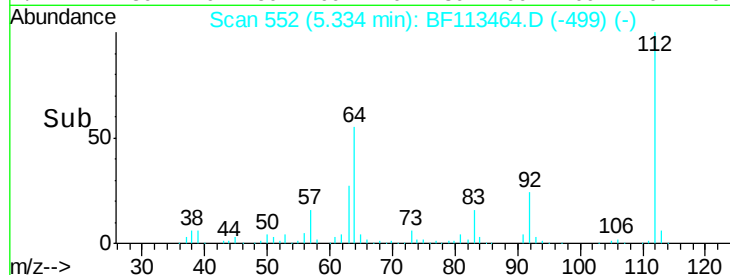
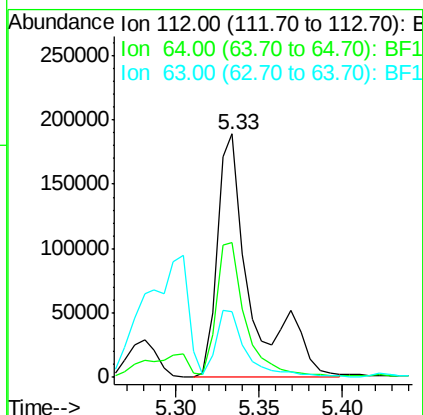
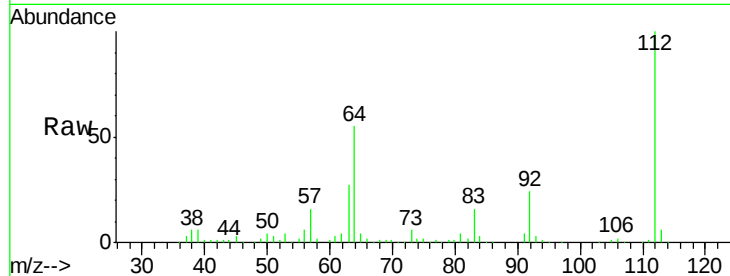
Concen: 30.485 ng m
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF113464.D
Acq: 1 Apr 2019 14:07

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	267204		
64	55.2	47.7	71.5	
63	27.0	23.8	35.6	

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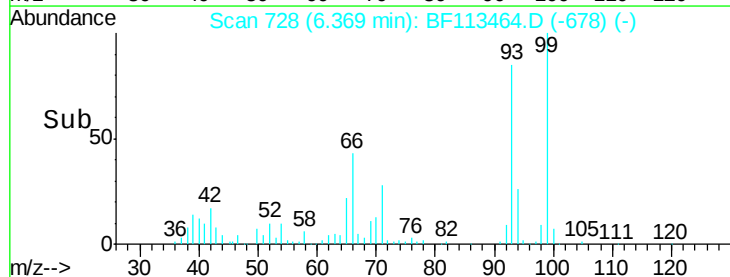
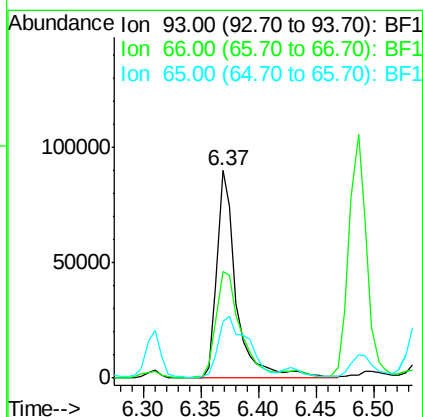
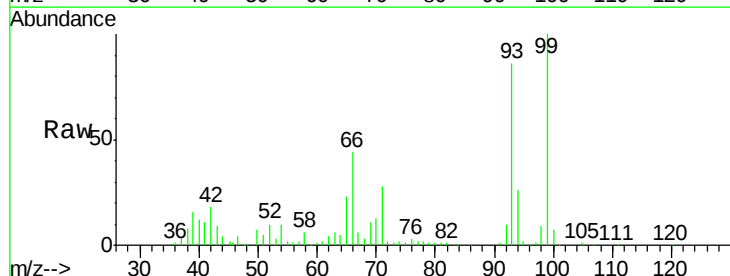


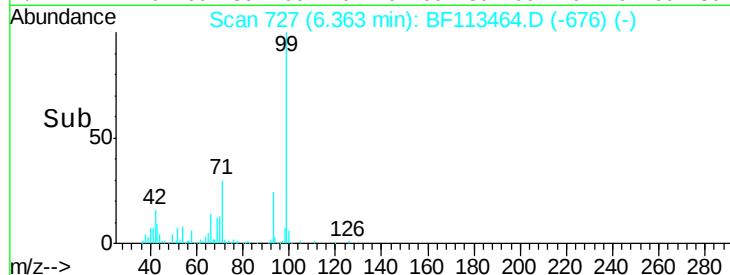
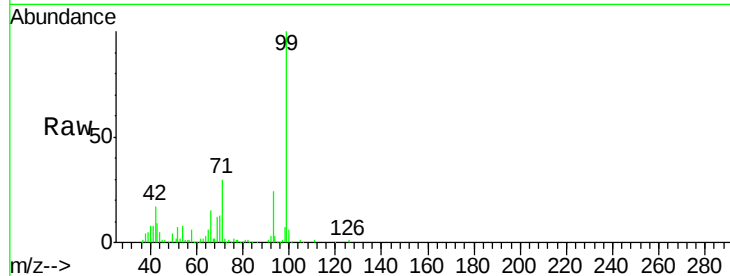
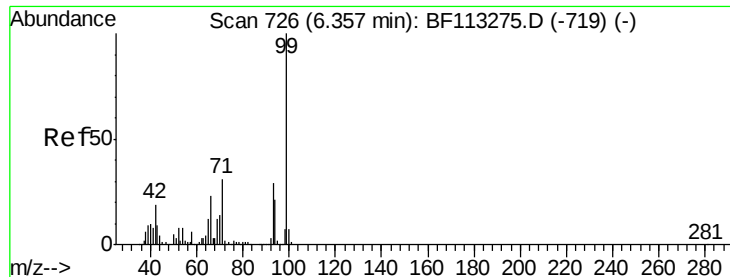
#6

Aniline

Concen: 7.845 ng
RT: 6.37 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF113464.D
Acq: 1 Apr 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	105936		
66	51.2	59.8	89.6#	
65	27.1	37.4	56.2#	





#7

Phenol-d6

Concen: 17.027 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF113464.D

Acq: 1 Apr 2019 14:07

Tgt Ion:	99	Resp:	188803
Ion Ratio	Lower	Upper	
99	100		
42	16.8	14.4	21.6
71	29.8	25.0	37.6

Instrument :

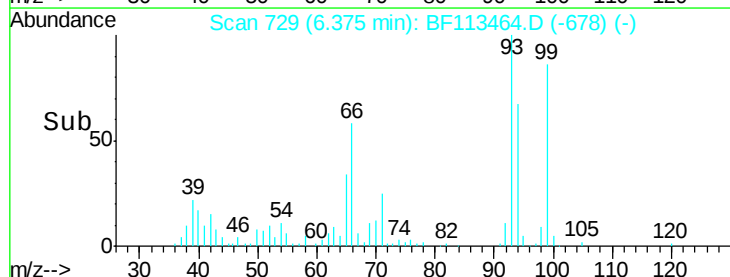
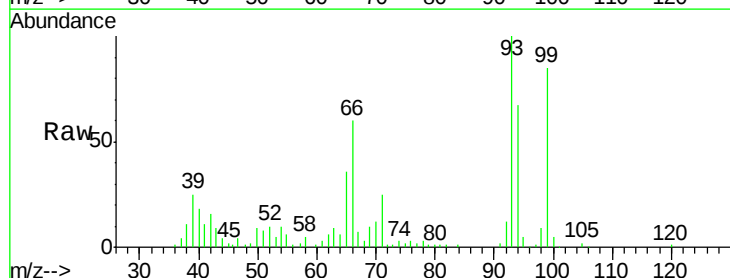
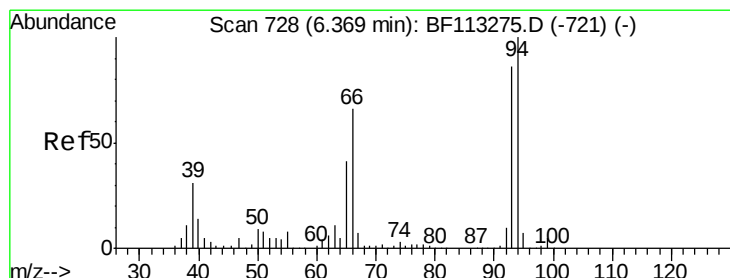
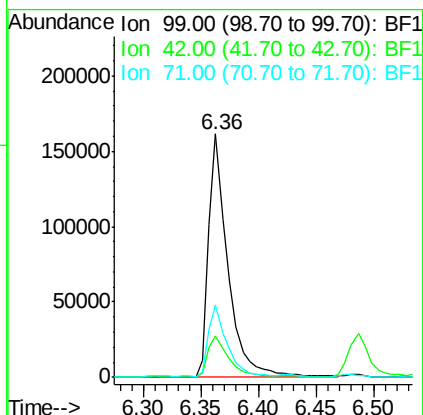
BNA_F

ClientSampleId :

QNWP8-MW26S-GW

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#10

Phenol

Concen: 6.245 ng

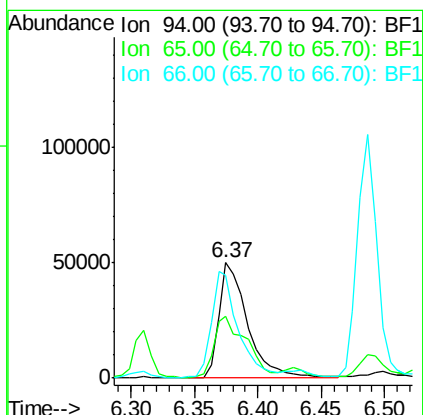
RT: 6.37 min Scan# 729

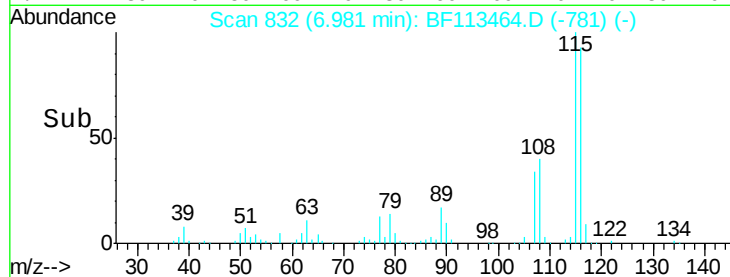
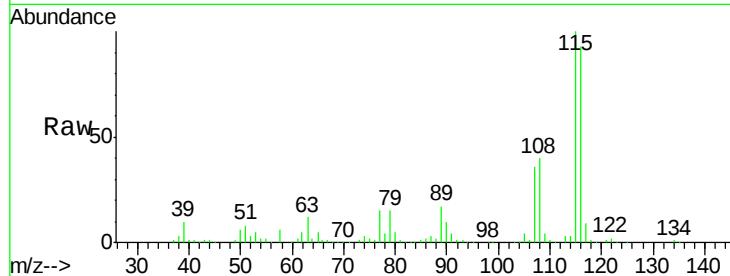
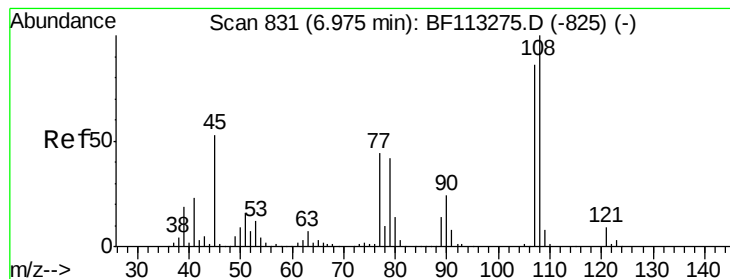
Delta R.T. 0.00 min

Lab File: BF113464.D

Acq: 1 Apr 2019 14:07

Tgt Ion:	94	Resp:	79053
Ion Ratio	Lower	Upper	
94	100		
65	53.3	23.7	63.7
66	89.7	49.7	89.7





#17

2-Methylphenol

Concen: 10.580 ng

RT: 6.98 min Scan# 832

Delta R.T. 0.00 min

Lab File: BF113464.D

Acq: 1 Apr 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	84392		
108	112.5	91.8	137.6	
77	41.7	41.4	62.2	
79	41.5	39.0	58.6	

Instrument :

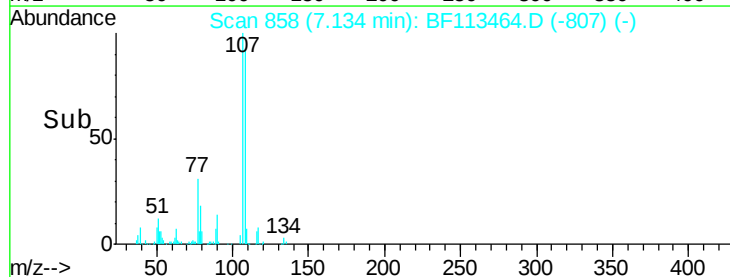
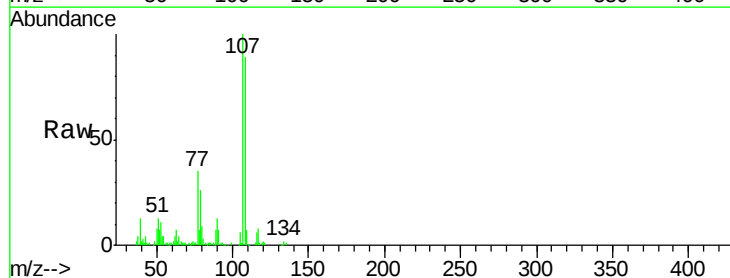
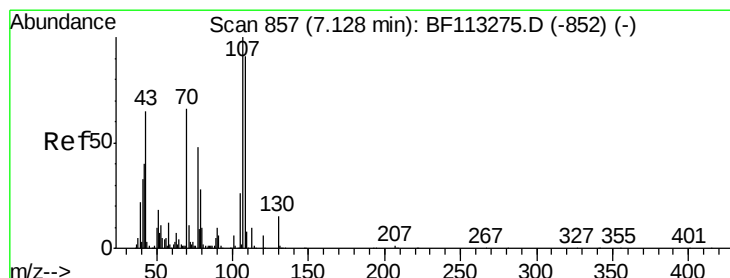
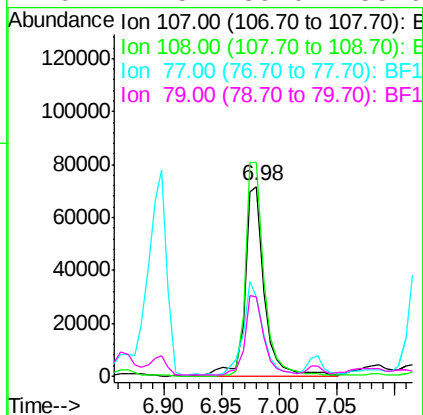
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ClientSampleId :

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#20

3+4-Methylphenols

Concen: 17.361 ng

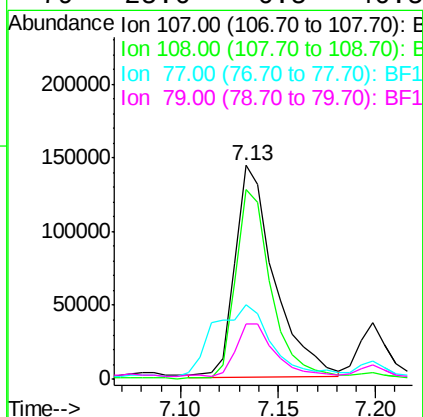
RT: 7.13 min Scan# 858

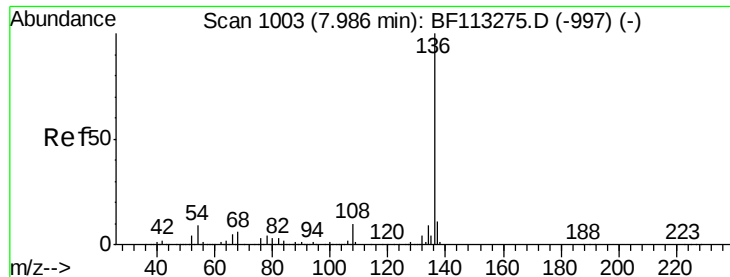
Delta R.T. 0.00 min

Lab File: BF113464.D

Acq: 1 Apr 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	201198		
108	89.0	68.7	108.7	
77	34.9	49.3	89.3#	
79	25.6	6.5	46.5	





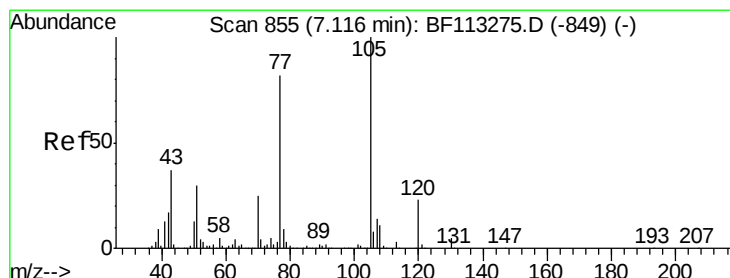
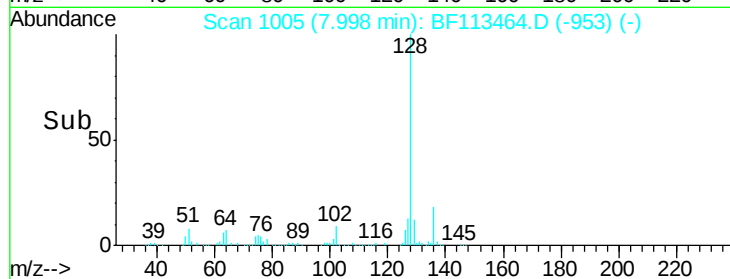
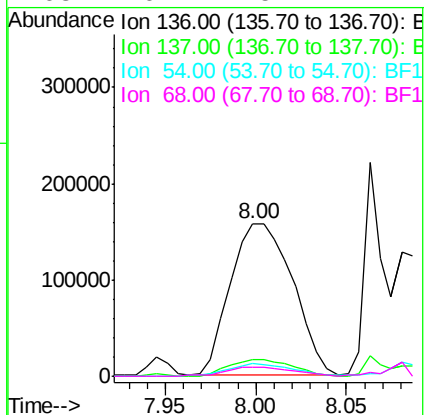
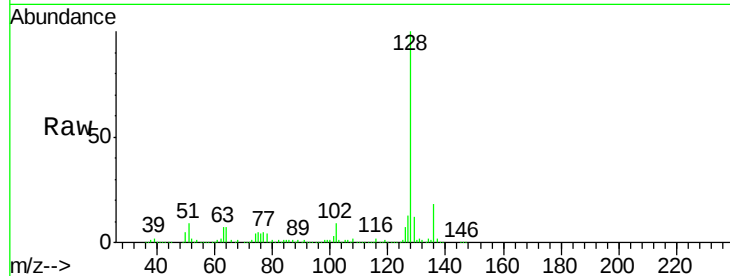
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.01 min
Lab File: BF113464.D
Acq: 1 Apr 2019 14:07

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	377064		
137	11.1	9.1	13.7	
54	8.0	6.9	10.3	
68	6.1	5.1	7.7	

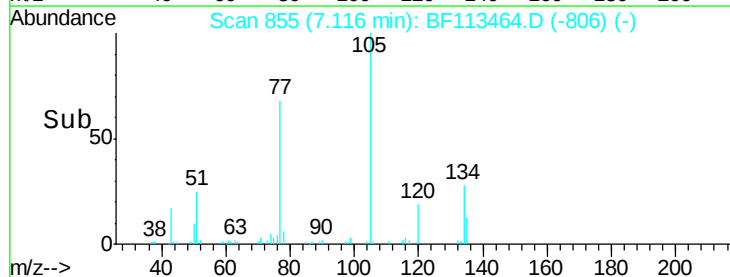
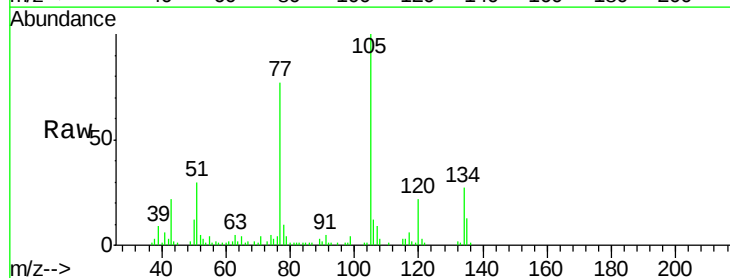
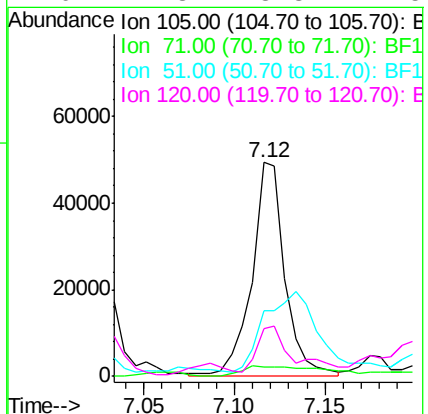
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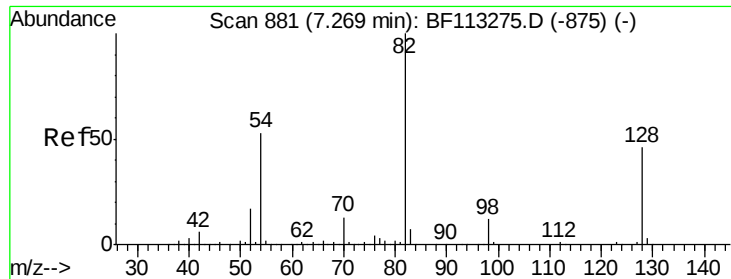
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#22
Acetophenone
Concen: 7.301 ng
RT: 7.12 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF113464.D
Acq: 1 Apr 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	62784		
71	4.5	4.6	6.8#	
51	30.4	23.0	34.6	
120	22.3	18.3	27.5	





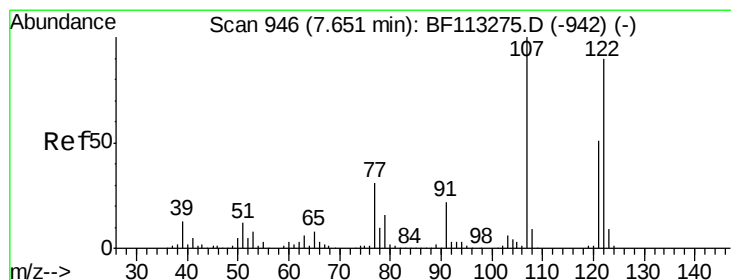
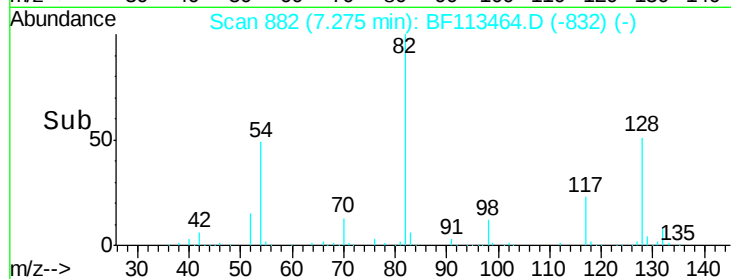
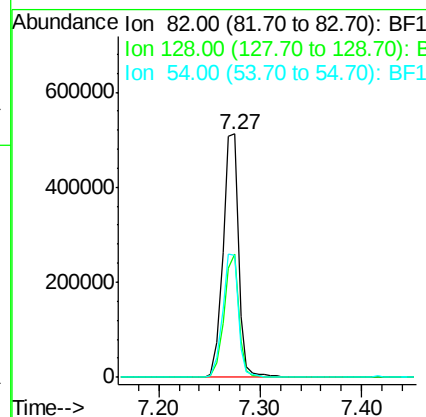
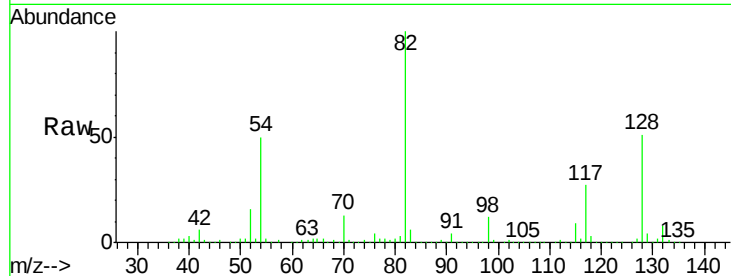
#23
Nitrobenzene-d5
Concen: 86.458 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF113464.D
Acq: 1 Apr 2019 14:07

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	549253		
128	50.8	37.9	56.9	
54	50.0	41.9	62.9	

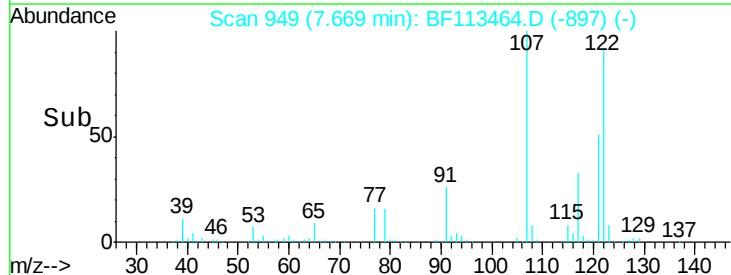
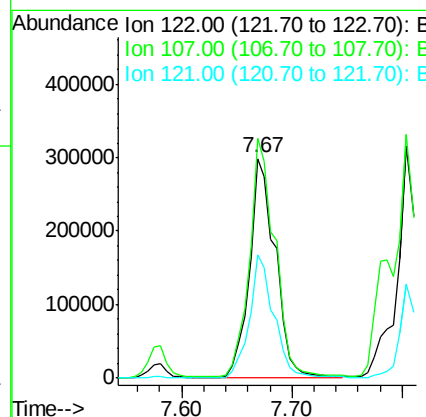
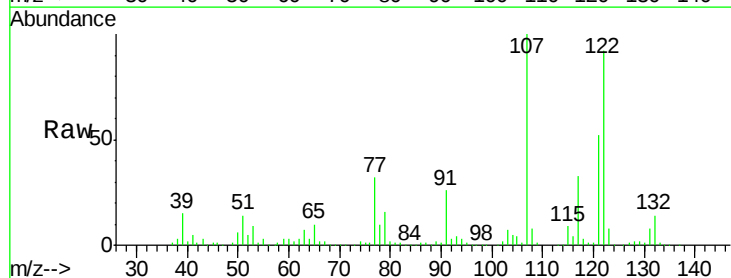
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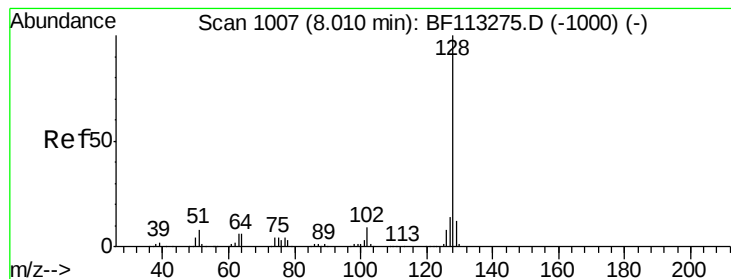
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#27
2,4-Dimethylphenol
Concen: 97.443 ng
RT: 7.67 min Scan# 949
Delta R.T. 0.01 min
Lab File: BF113464.D
Acq: 1 Apr 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	491167		
107	108.9	86.3	129.5	
121	56.1	45.6	68.4	





#31

Naphthalene

Concen: 629.019 ng

RT: 8.05 min Scan# 1014

Delta R.T. 0.04 min

Lab File: BF113464.D

Acq: 1 Apr 2019 14:07

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GW

Tgt Ion:128 Resp:11590443

Ion Ratio Lower Upper

128 100

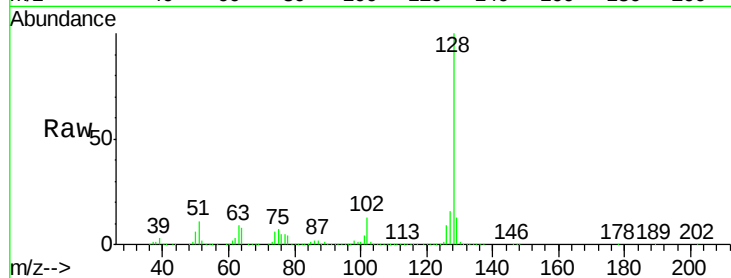
129 13.3 9.4 14.0

127 16.0 10.7 16.1

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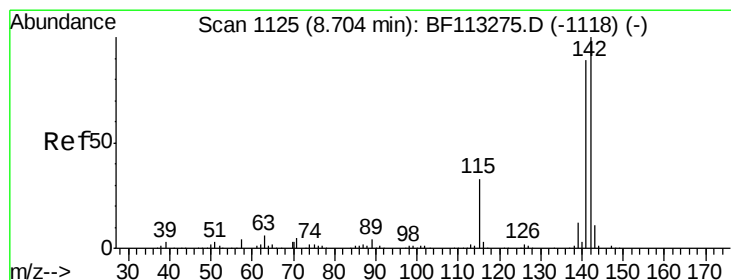
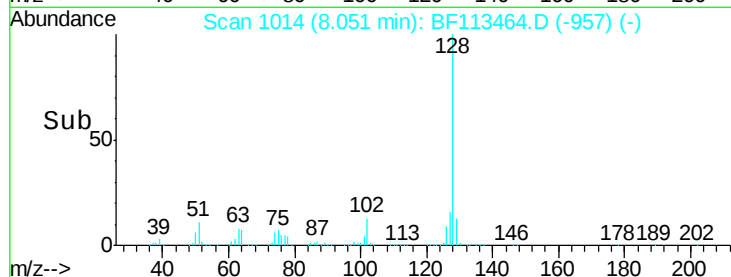
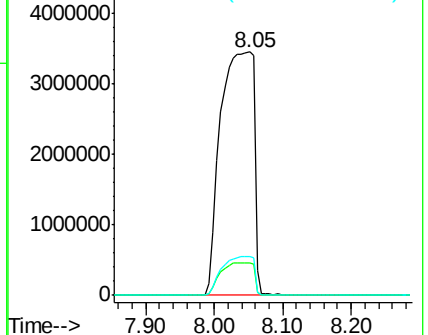
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 70.666 ng

RT: 8.70 min Scan# 1125

Delta R.T. 0.00 min

Lab File: BF113464.D

Acq: 1 Apr 2019 14:07

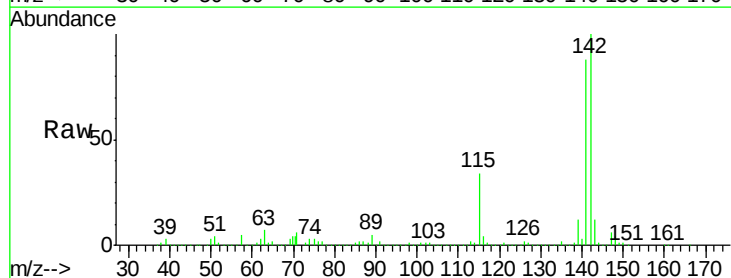
Tgt Ion:142 Resp: 812475

Ion Ratio Lower Upper

142 100

141 88.1 69.2 103.8

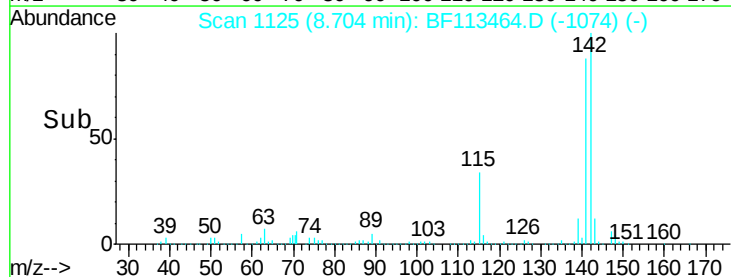
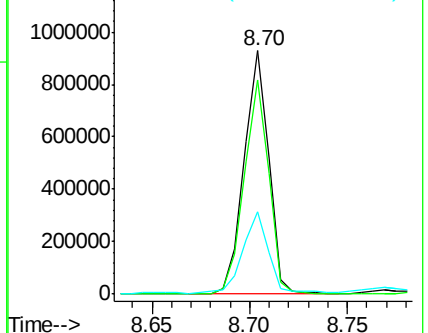
115 34.0 26.6 39.8

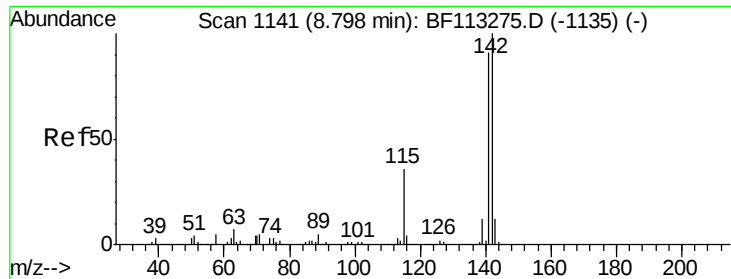


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





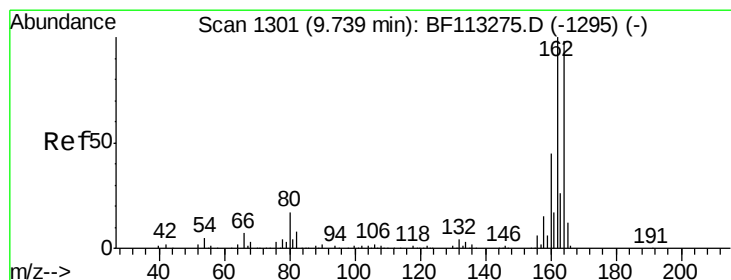
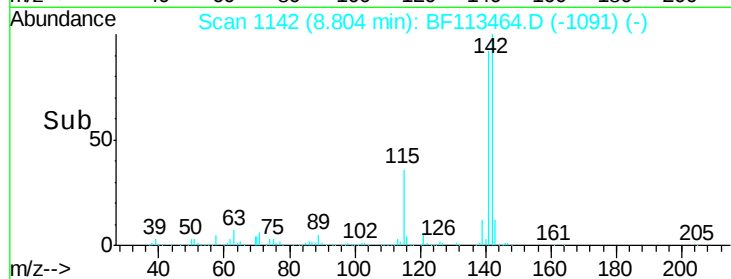
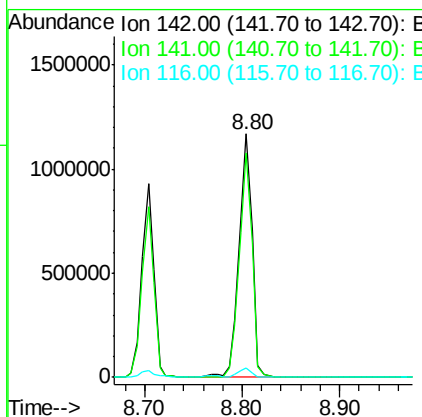
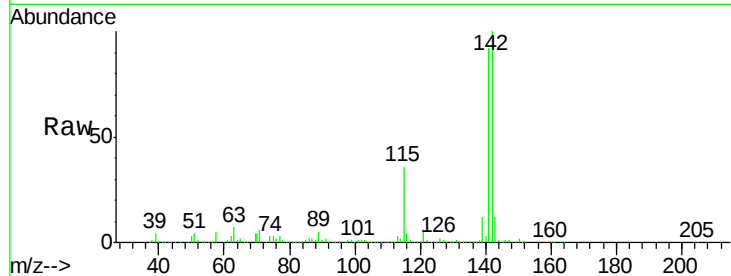
#38
1-Methylnaphthalene
Concen: 98.935 ng
RT: 8.80 min Scan# 1142
Delta R.T. 0.00 min
Lab File: BF113464.D
Acq: 1 Apr 2019 14:07

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.0	109.4
116	3.9	2.8	4.2

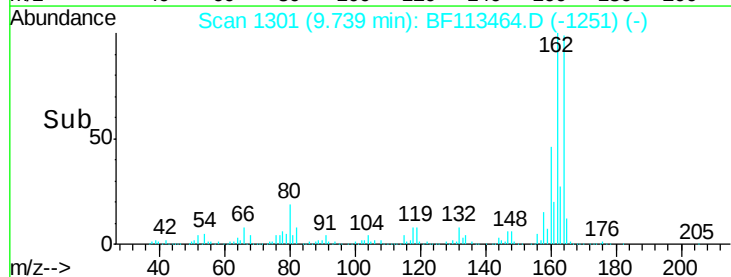
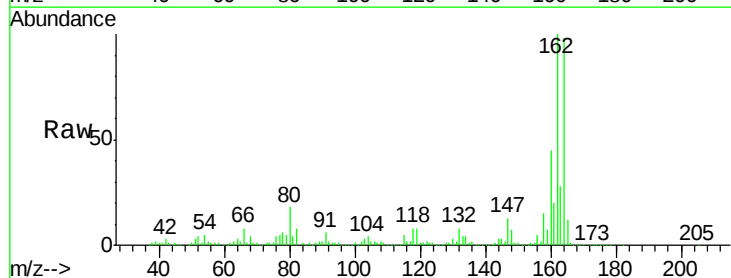
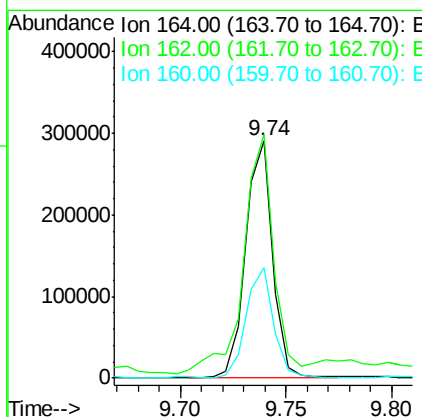
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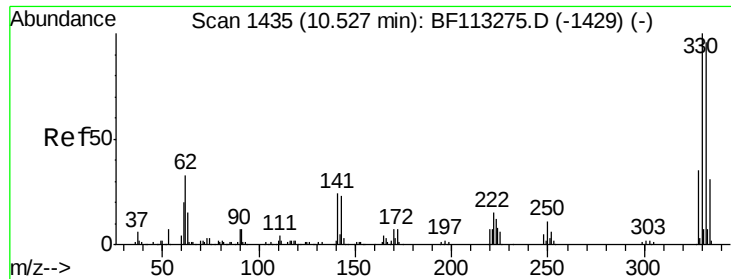
Sohil
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF113464.D
Acq: 1 Apr 2019 14:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	79.7	119.5
160	46.5	35.9	53.9





#42

2,4,6-Tribromophenol

Concen: 62.316 ng

RT: 10.53 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BF113464.D

Acq: 1 Apr 2019 14:07

Instrument :

BNA_F

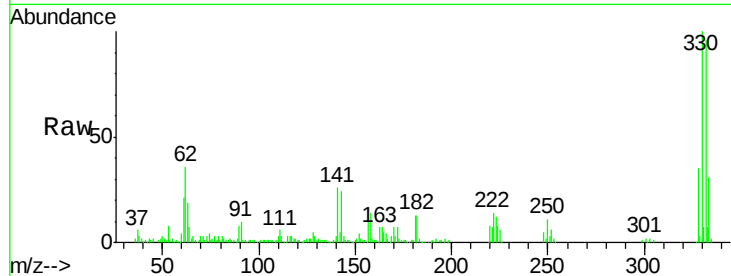
ClientSampleId :

QNWP8-MW26S-GW

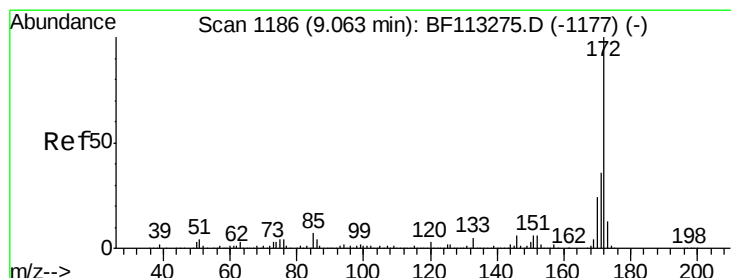
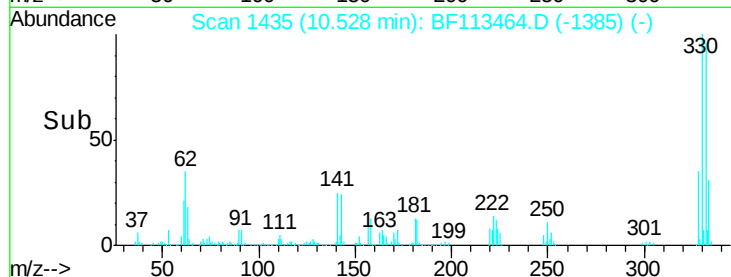
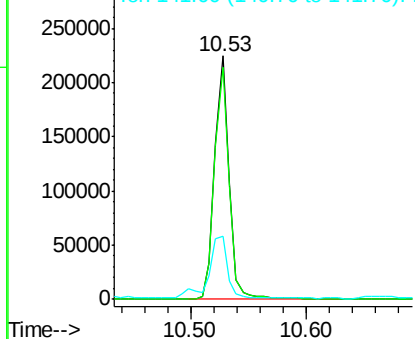
Tgt Ion:	330	Resp:	196115
Ion Ratio		Lower	Upper
330	100		
332	97.7	77.7	116.5
141	33.1	21.4	32.2#

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 58.298 ng

RT: 9.06 min Scan# 1186

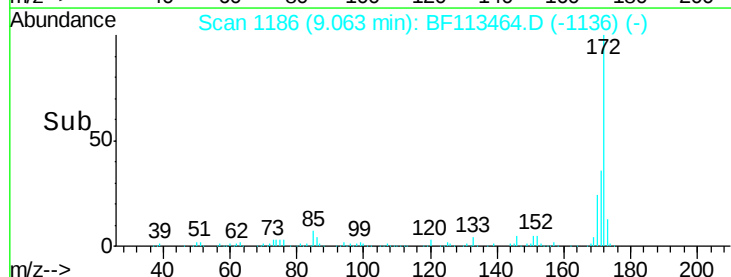
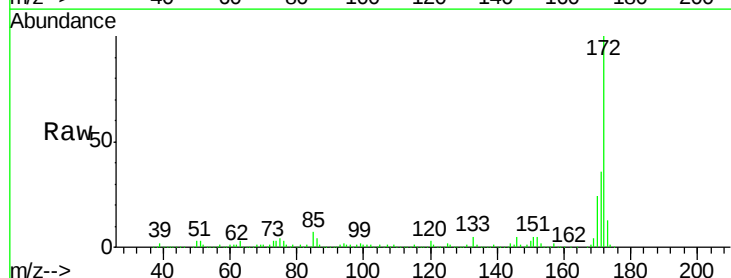
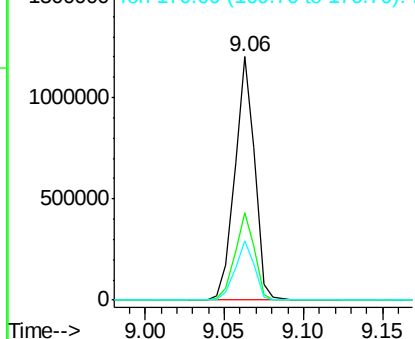
Delta R.T. -0.01 min

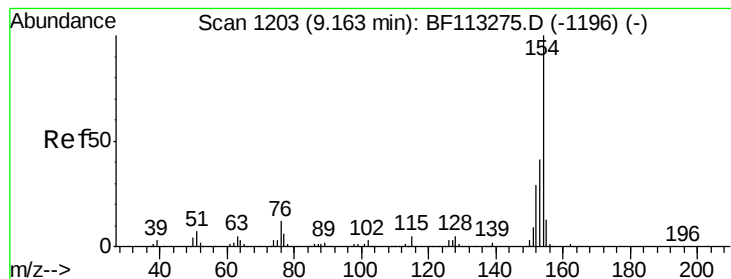
Lab File: BF113464.D

Acq: 1 Apr 2019 14:07

Tgt Ion:	172	Resp:	1037712
Ion Ratio		Lower	Upper
172	100		
171	35.8	29.0	43.6
170	24.2	19.8	29.6

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#46

1,1'-Biphenyl

Concen: 15.318 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF113464.D

Acq: 1 Apr 2019 14:07

Instrument :

BNA_F

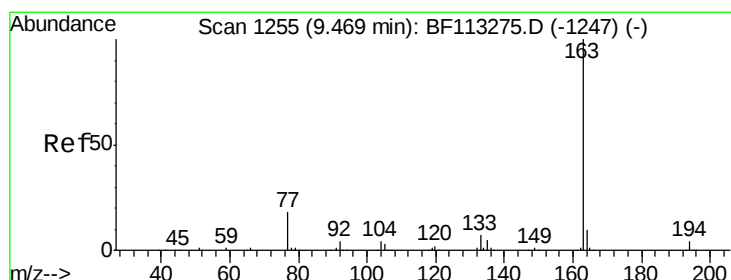
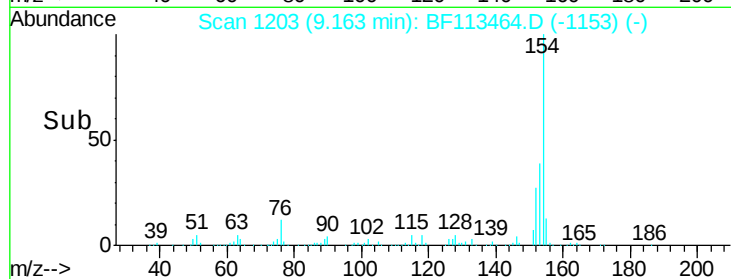
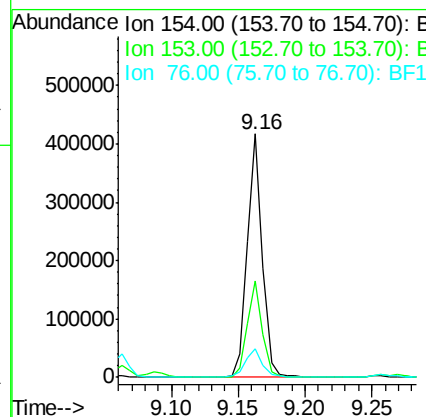
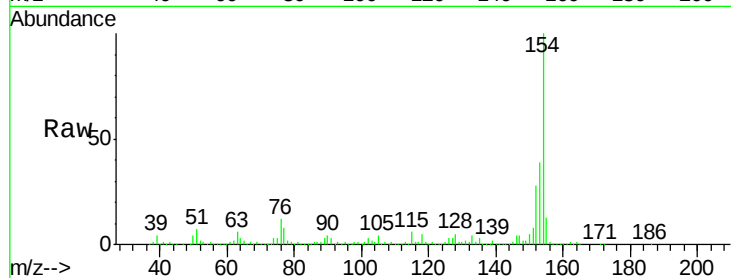
ClientSampleId :

QNWP8-MW26S-GW

Tgt Ion:	154	Resp:	325961
Ion Ratio	Lower	Upper	
154	100		
153	39.4	20.9	60.9
76	11.9	0.0	33.2

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#50

Dimethylphthalate

Concen: 3.832 ng

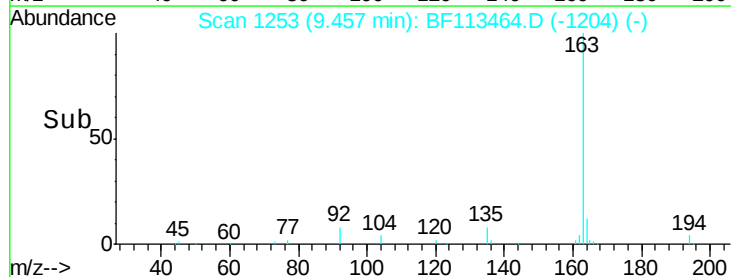
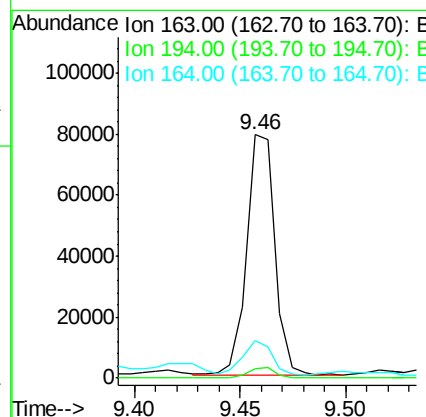
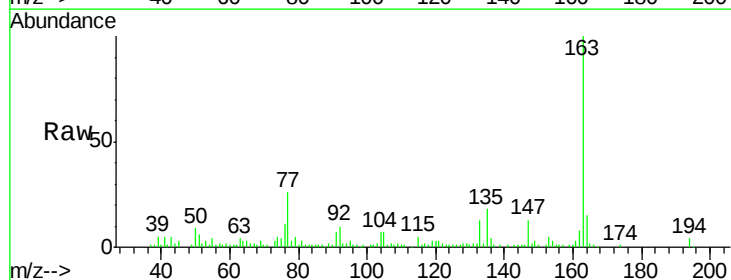
RT: 9.46 min Scan# 1253

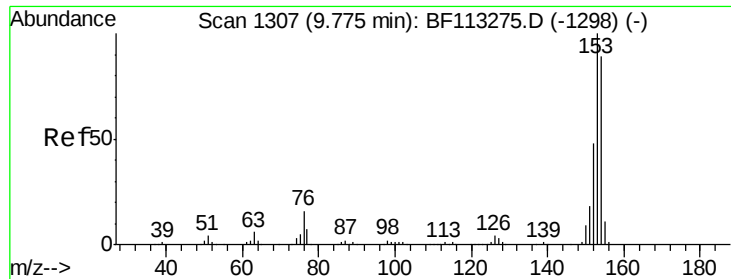
Delta R.T. -0.01 min

Lab File: BF113464.D

Acq: 1 Apr 2019 14:07

Tgt Ion:	163	Resp:	72347
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.1	4.7
164	15.3	8.3	12.5#





#52

Acenaphthene

Concen: 36.676 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF113464.D

Acq: 1 Apr 2019 14:07

Instrument :

BNA_F

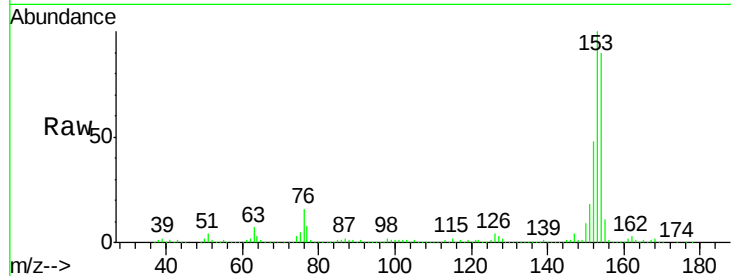
ClientSampleId :

QNWP8-MW26S-GW

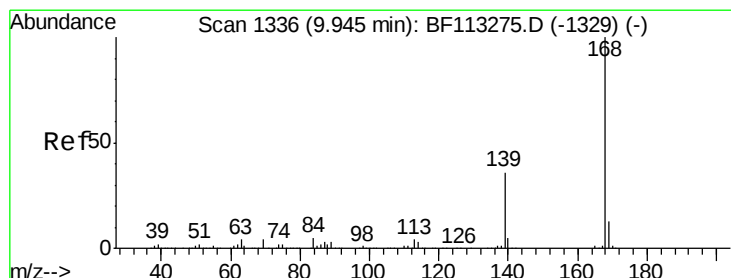
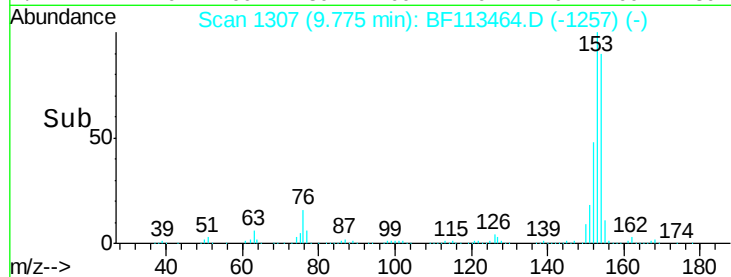
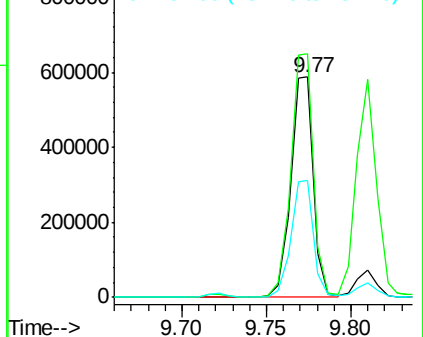
Tgt Ion:	154	Resp:	547143
Ion Ratio	Lower	Upper	
154	100		
153	110.7	89.1	133.7
152	53.2	43.0	64.4

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



#55

Dibenzofuran

Concen: 28.122 ng

RT: 9.95 min Scan# 1336

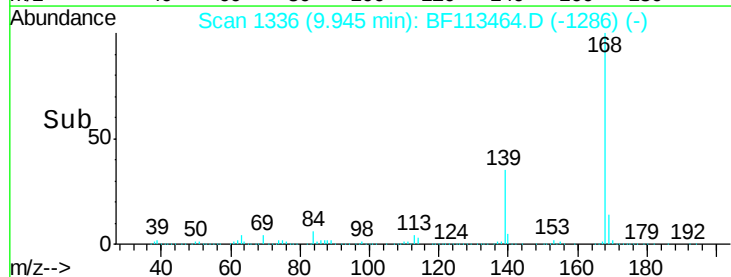
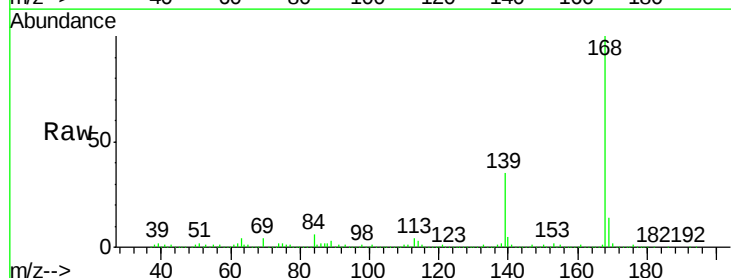
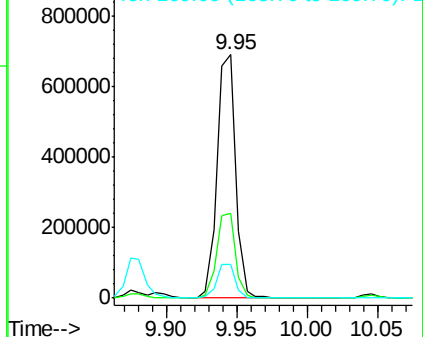
Delta R.T. -0.01 min

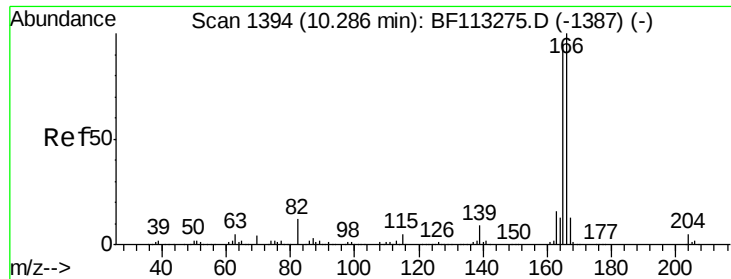
Lab File: BF113464.D

Acq: 1 Apr 2019 14:07

Tgt Ion:	168	Resp:	630710
Ion Ratio	Lower	Upper	
168	100		
139	35.0	29.1	43.7
169	13.7	10.8	16.2

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





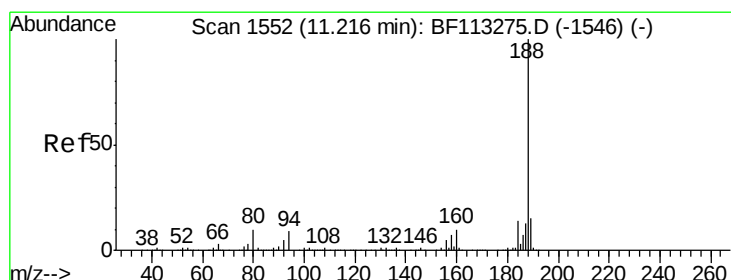
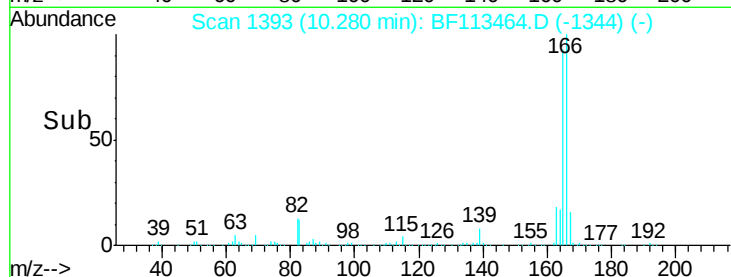
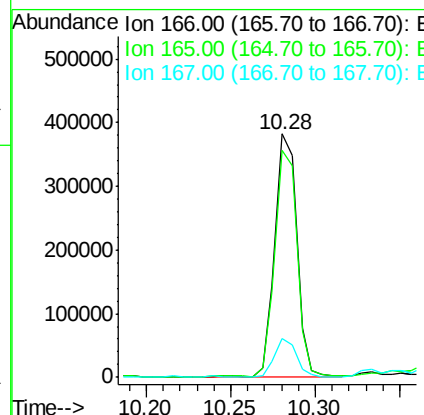
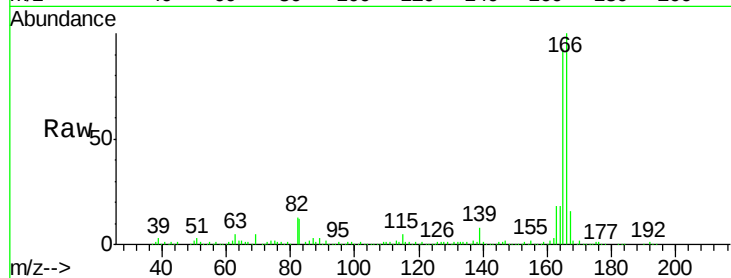
#58
 Fluorene
 Concen: 20.005 ng
 RT: 10.28 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF113464.D
 Acq: 1 Apr 2019 14:07

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW26S-GW

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	348533		
165	93.5	75.8	113.6	
167	16.0	11.2	16.8	

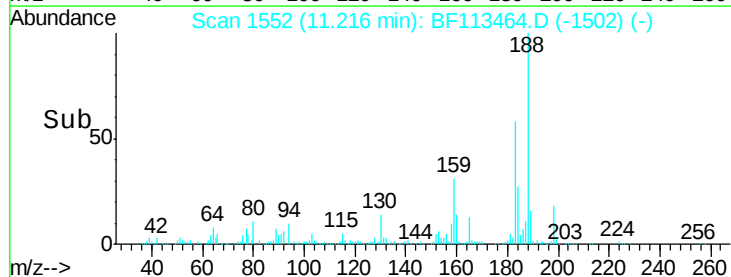
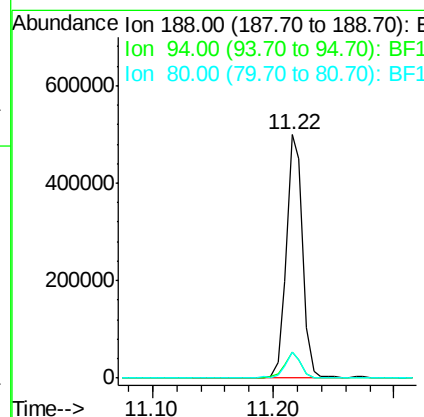
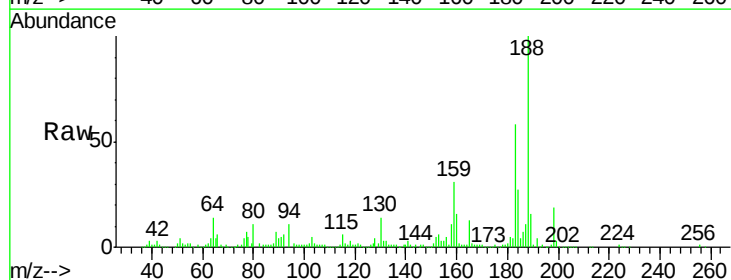
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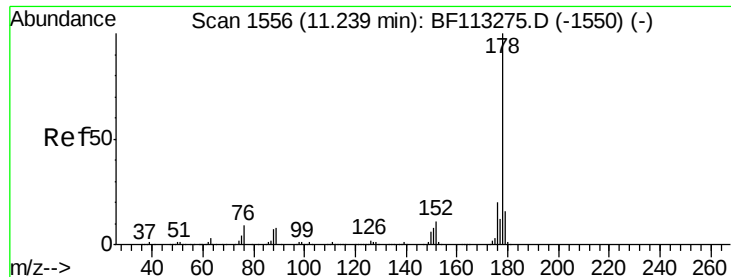
Sohil
 4/2/2019 3:49:10 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.01 min
 Lab File: BF113464.D
 Acq: 1 Apr 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	462077		
94	10.6	7.8	11.6	
80	10.9	8.2	12.2	





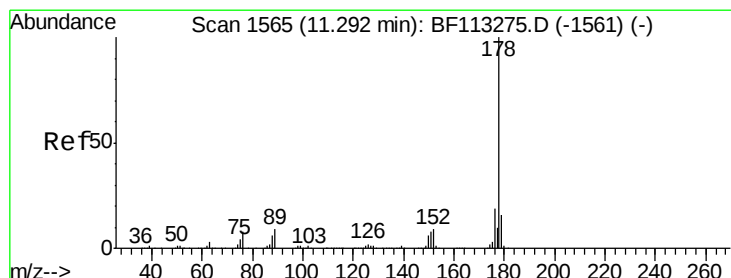
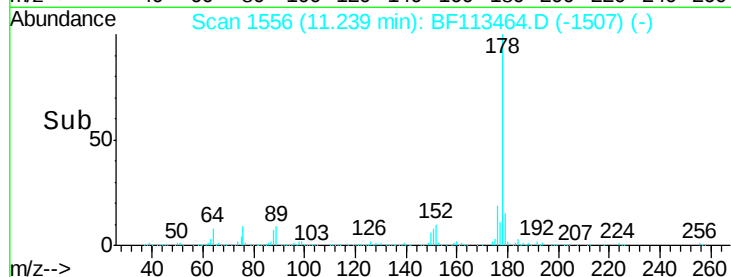
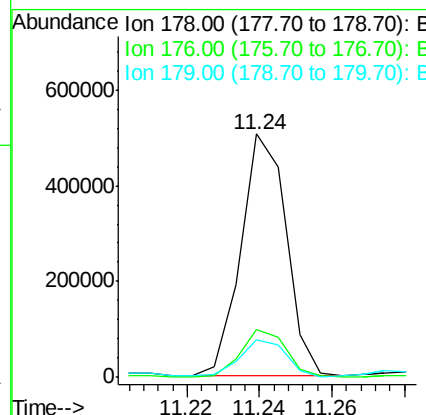
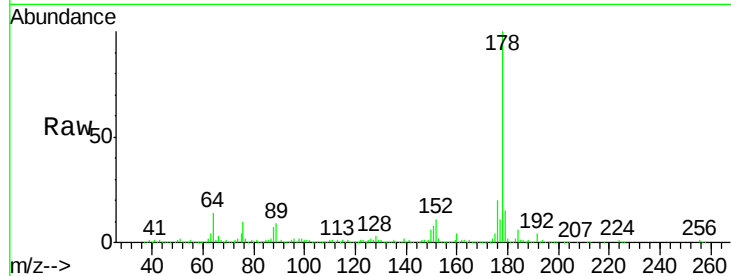
#71
Phenanthrene
Concen: 19.126 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF113464.D
Acq: 1 Apr 2019 14:07

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.1	24.1
179	15.4	12.6	19.0

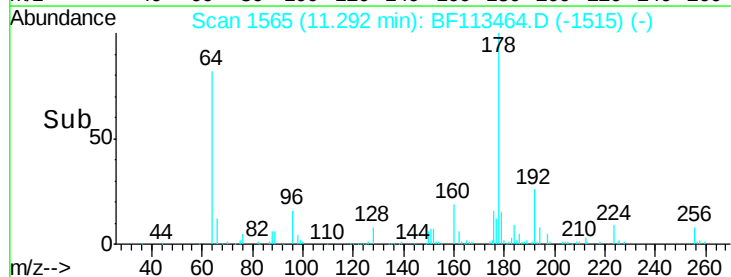
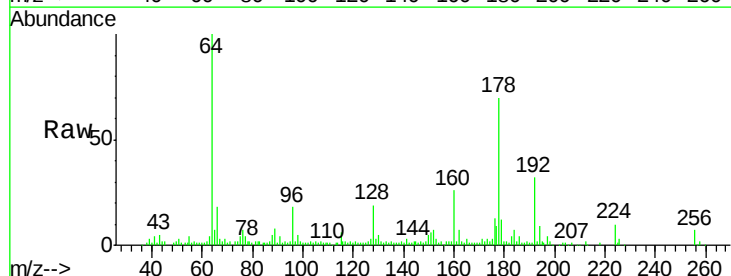
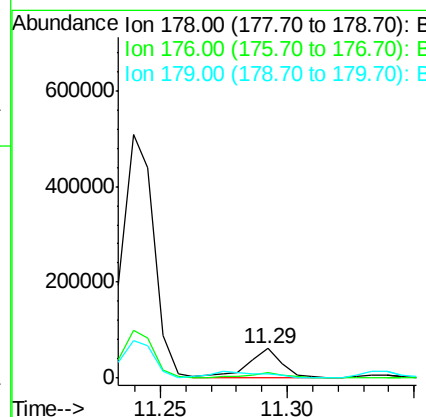
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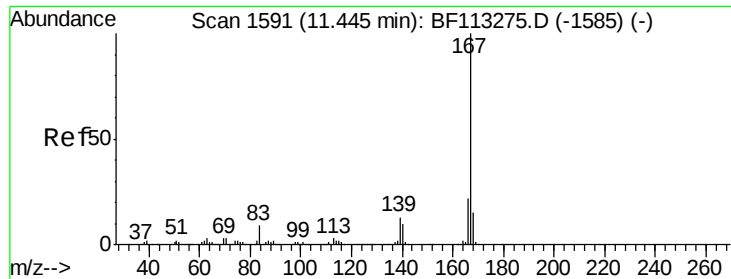
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#72
Anthracene
Concen: 2.313 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF113464.D
Acq: 1 Apr 2019 14:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	16.5	12.9	19.3





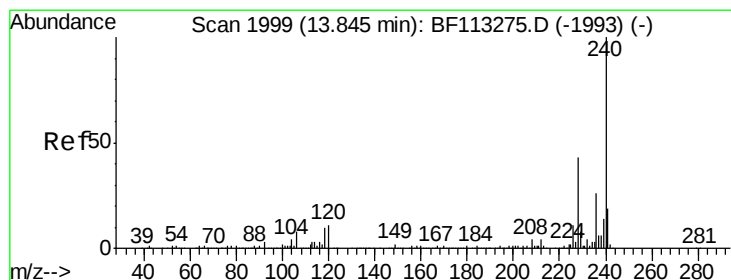
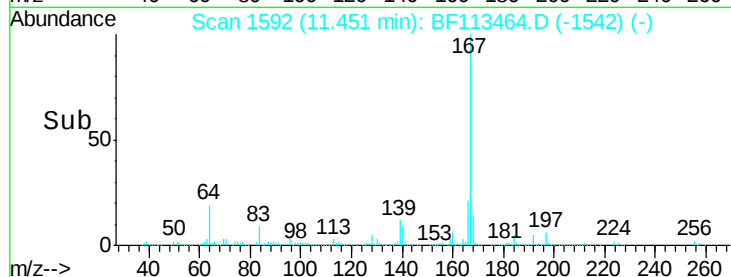
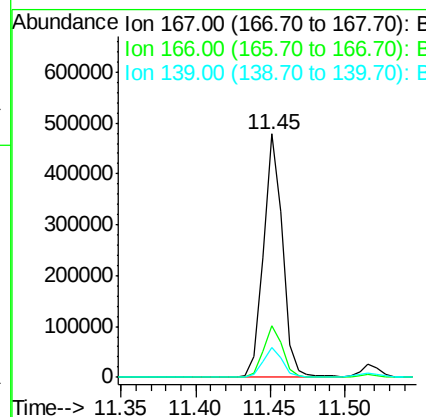
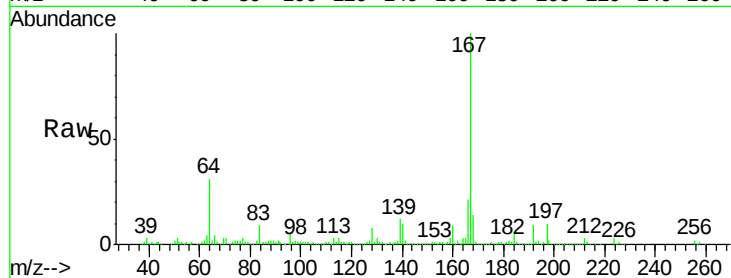
#73
 Carbazole
 Concen: 18.587 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. -0.01 min
 Lab File: BF113464.D
 Acq: 1 Apr 2019 14:07

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW26S-GW

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.8	26.8
139	12.5	10.2	15.2

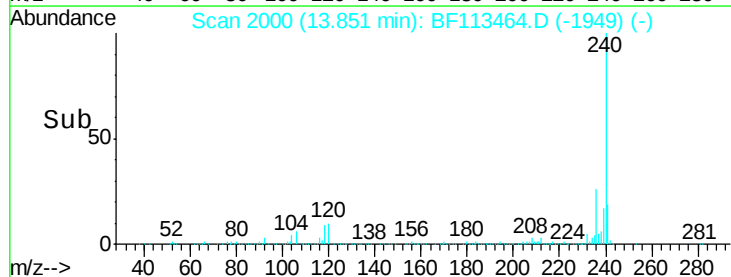
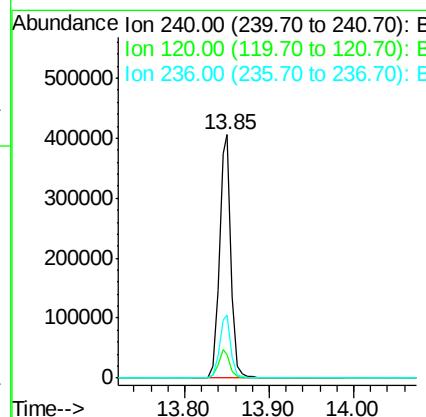
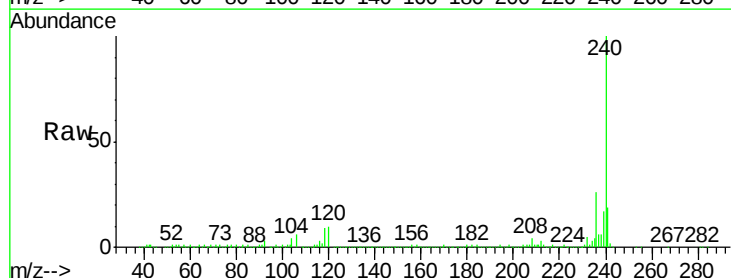
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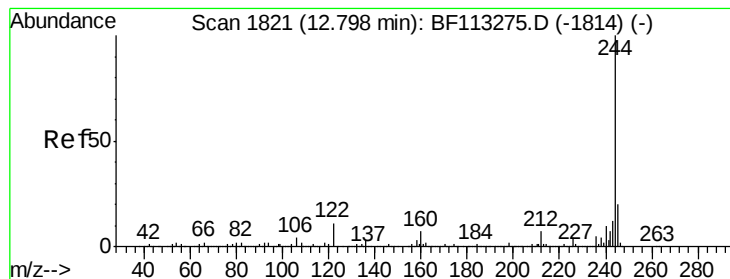
Sohil
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. 0.00 min
 Lab File: BF113464.D
 Acq: 1 Apr 2019 14:07

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.8	9.7	14.5
236	26.0	20.9	31.3





#79

Terphenyl-d14

Concen: 61.476 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF113464.D

Acq: 1 Apr 2019 14:07

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GW

Tgt Ion:244 Resp: 1114870

Ion Ratio Lower Upper

244 100

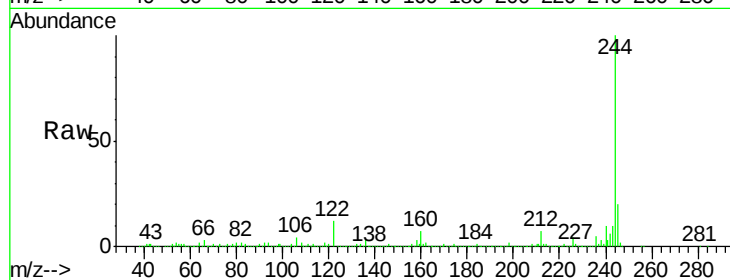
212 6.7 5.6 8.4

122 11.5 8.7 13.1

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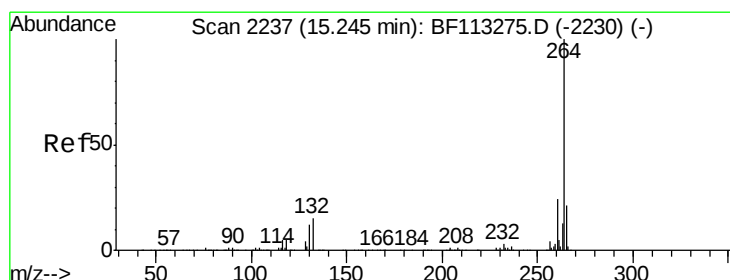
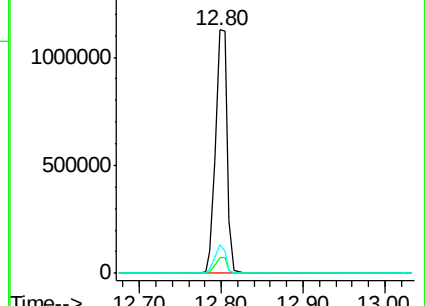
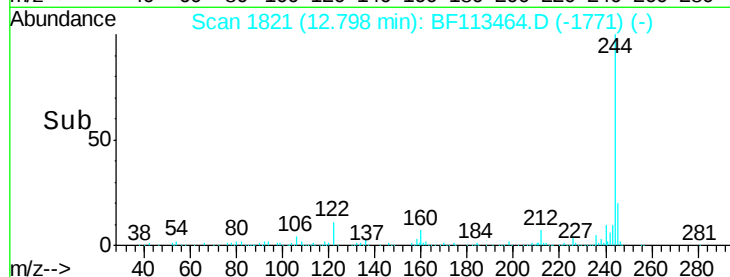
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.25 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BF113464.D

Acq: 1 Apr 2019 14:07

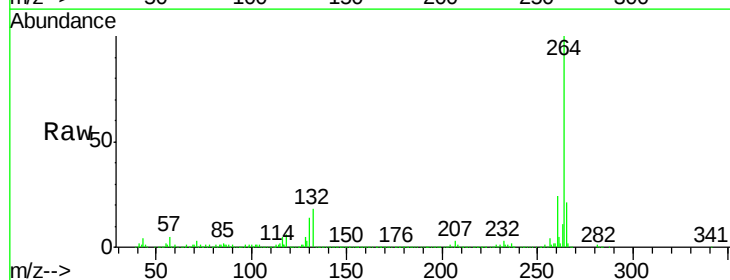
Tgt Ion:264 Resp: 419963

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 21.4 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

