

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
 Data File : BF107429.D
 Acq On : 17 Jul 2018 3:26
 Operator : JU/SJ
 Sample : J3954-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FM1041

Manual Integrations
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Sohil
 7/17/2018 4:53:36 PM

Quant Time: Jul 17 04:42:44 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 16 17:24:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	156637	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	543383	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	233355	20.00	ng	0.00
63) Phenanthrene-d10	11.53	188	348247	20.00	ng	0.02
75) Chrysene-d12	14.18	240	357751	20.00	ng	0.02
86) Perylene-d12	15.71	264	261580	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	554723	53.79	ng	0.01
7) Phenol-d6	6.60	99	431786	32.38	ng	0.00
23) Nitrobenzene-d5	7.55	82	1052936	103.33	ng	0.00
41) 2,4,6-Tribromophenol	10.83	330	200545	97.81	ng	0.02
44) 2-Fluorobiphenyl	9.34	172	1550148	114.52	ng	0.00
78) Terphenyl-d14	13.12	244	1285107	89.25	ng	0.02
Target Compounds						
10) Phenol	6.61	94	50718	3.548	ng	# 60
20) 3+4-Methylphenols	7.38	107	33977	2.697	ng	# 52
22) Acetophenone	7.38	105	41633	2.789	ng	# 79
27) 2,4-Dimethylphenol	7.92	122	18527	2.282	ng	# 81
32) Benzoic acid	8.04	122	143822	28.868	ng	# 76
45) 1,1'-Biphenyl	9.44	154	53239	2.639	ng	# 88
49) Dimethylphthalate	9.74	163	59009	3.183	ng	# 97
51) Acenaphthene	10.06	154	137227	9.308	ng	# 95
54) Dibenzofuran	10.23	168	156021	6.849	ng	# 93
57) Fluorene	10.58	166	125981	8.350	ng	# 99
70) Phenanthrene	11.55	178	289942	16.706	ng	# 96
71) Anthracene	11.60	178	68888m	3.985	ng	# 85
72) Carbazole	11.77	167	271502	16.590	ng	# 80
74) Fluoranthene	12.75	202	99356	5.037	ng	# 65
77) Pyrene	12.98	202	66391	2.729	ng	# 65

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

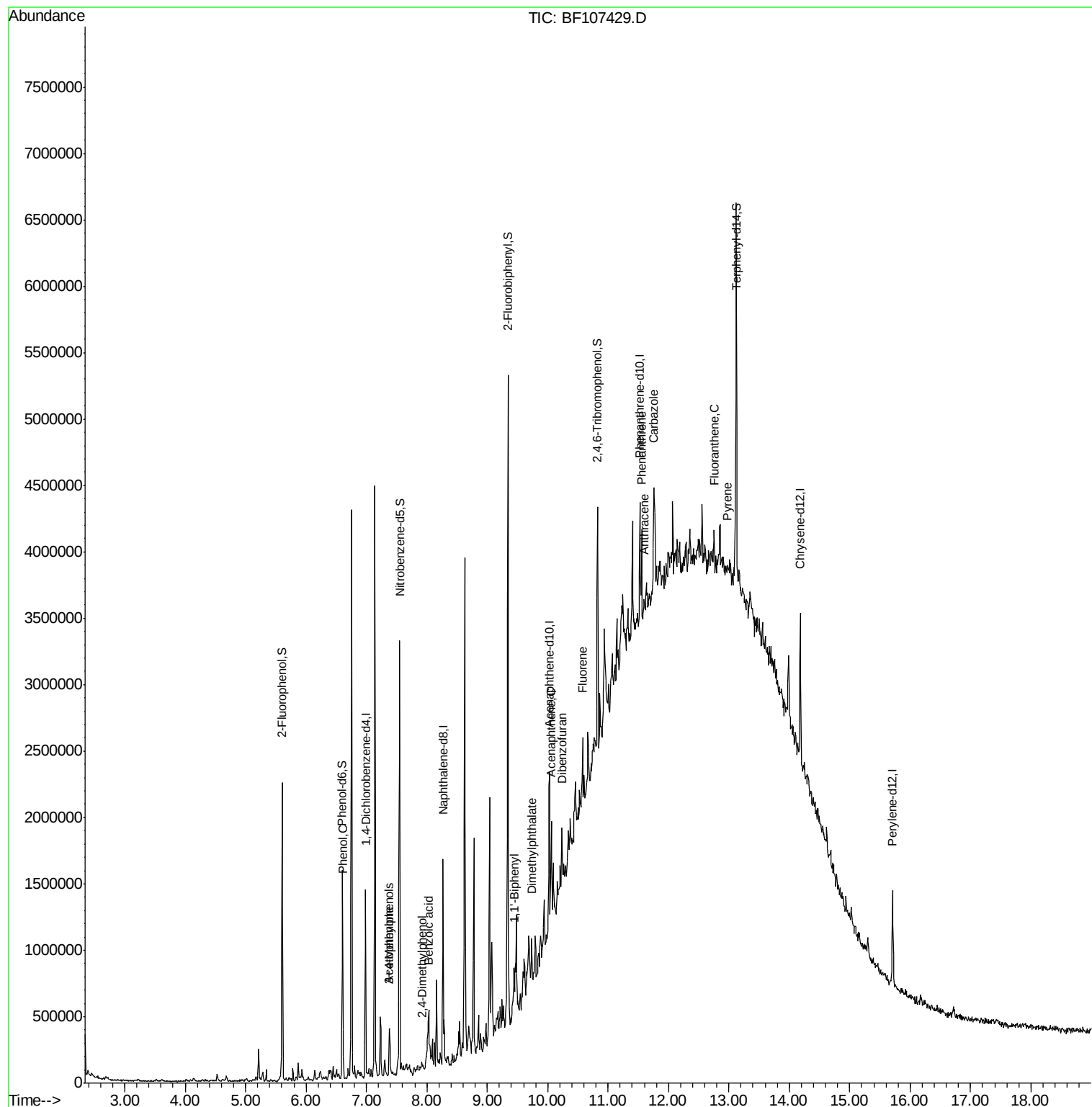
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
Data File : BF107429.D
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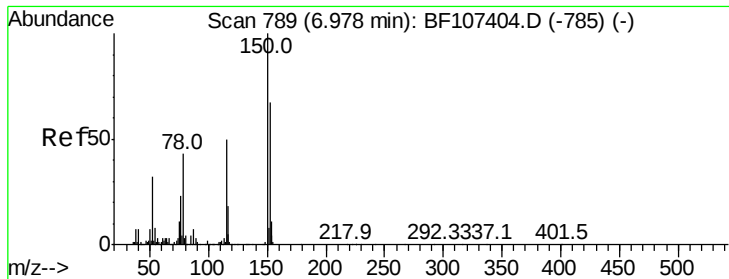
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#1

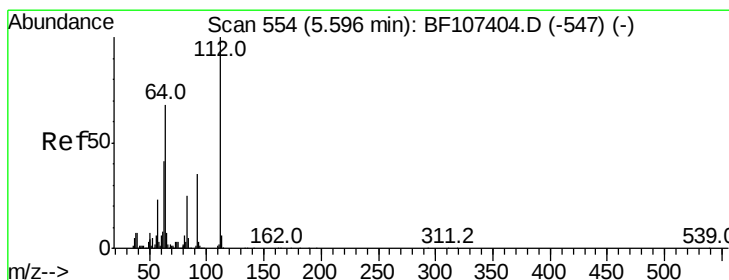
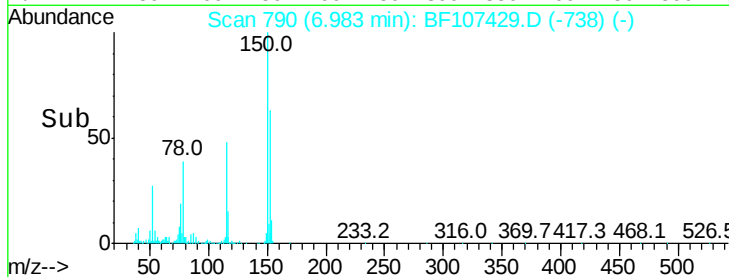
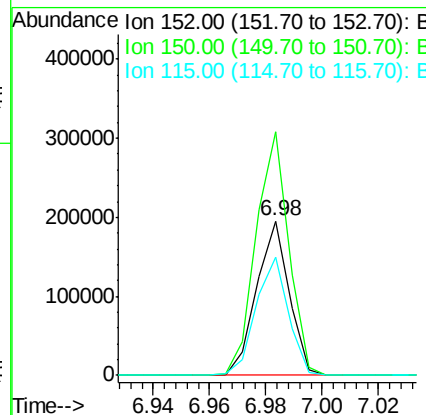
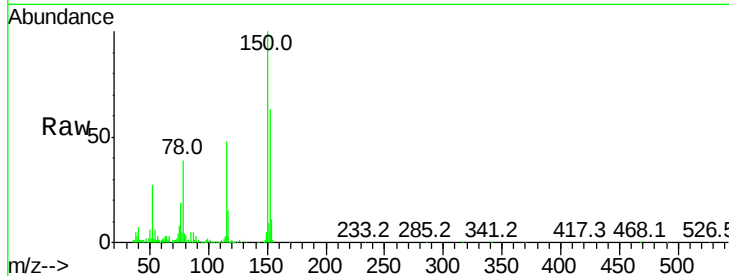
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. 0.01 min
Lab File: BF107429.D
Acq: 17 Jul 2018 3:26

Instrument :
BNA_F
ClientSampleId :
FM1041

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.6	186.8
115	76.3	50.1	75.1#

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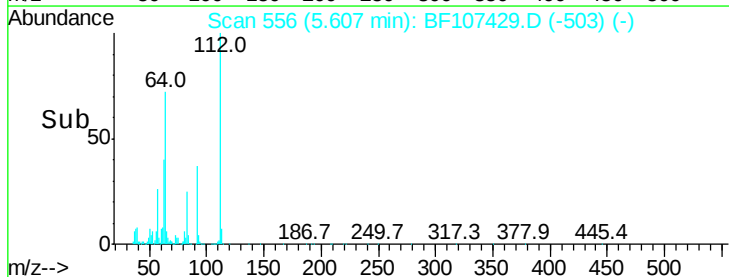
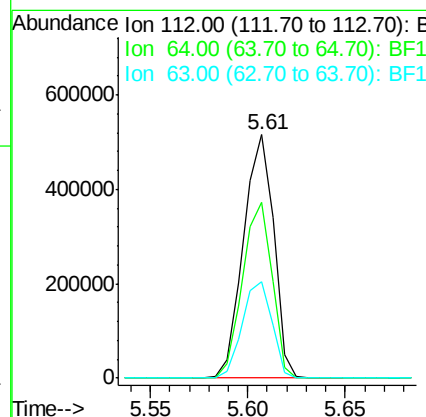
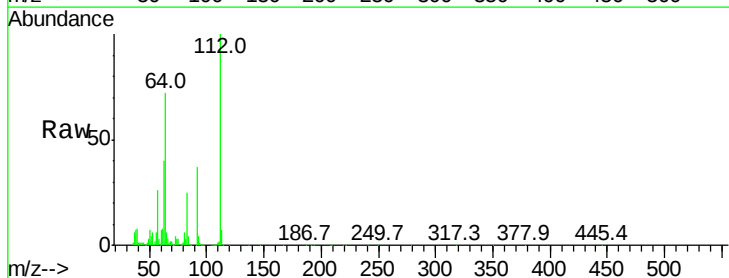
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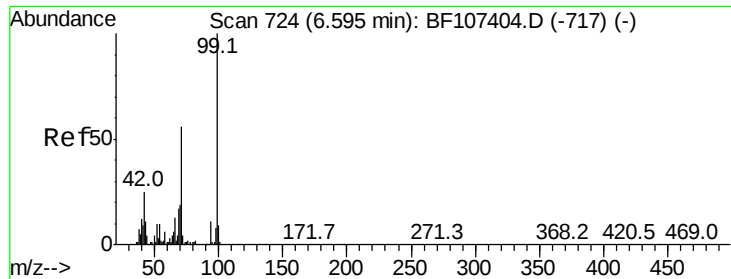


#5

2-Fluorophenol
Concen: 53.786 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF107429.D
Acq: 17 Jul 2018 3:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.0	47.9	71.9#
63	39.5	23.7	35.5#





#7

Phenol-d6

Concen: 32.382 ng

RT: 6.60 min Scan# 725

Delta R.T. 0.01 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

Instrument :

BNA_F

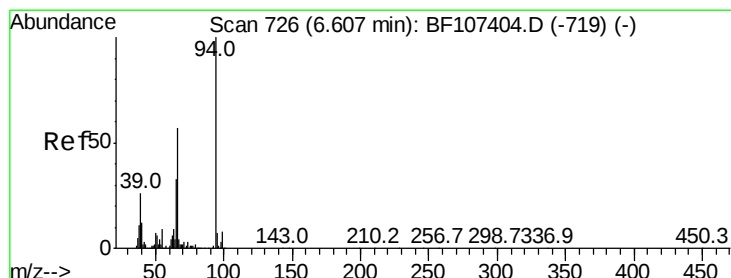
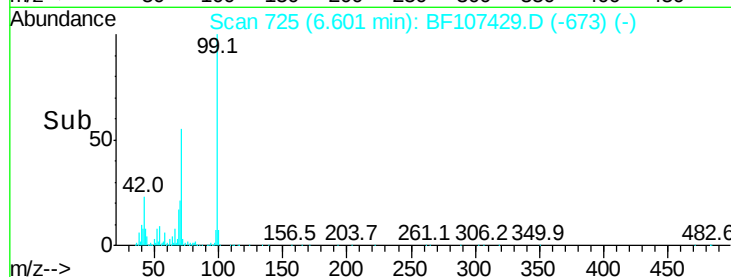
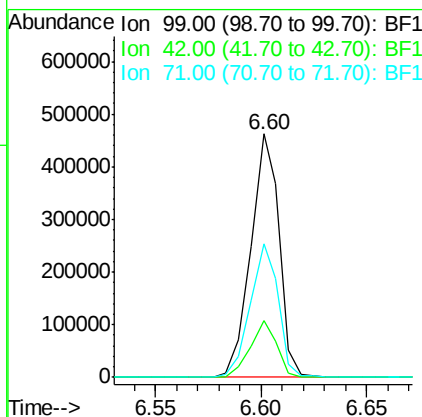
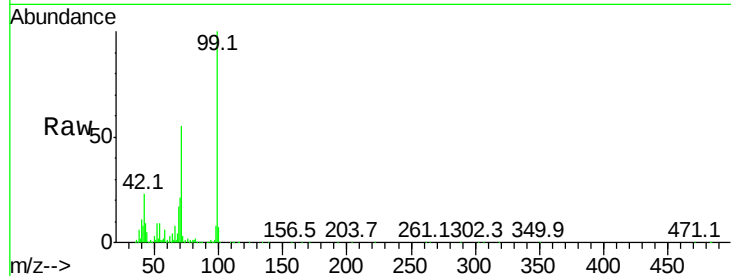
ClientSampleId :

FM1041

Tot Ion	Ratio	Resp	Lower	Upper
99	100	431786		
42	23.1	14.5	21.7#	
71	55.0	25.4	38.0#	

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#10

Phenol

Concen: 3.548 ng

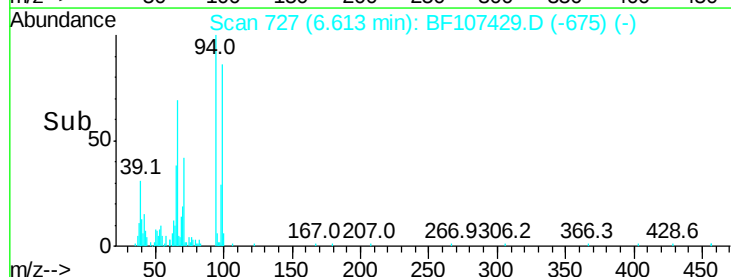
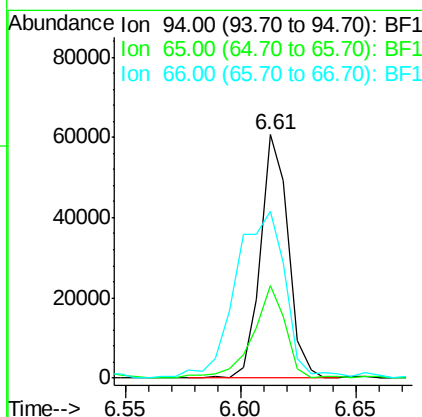
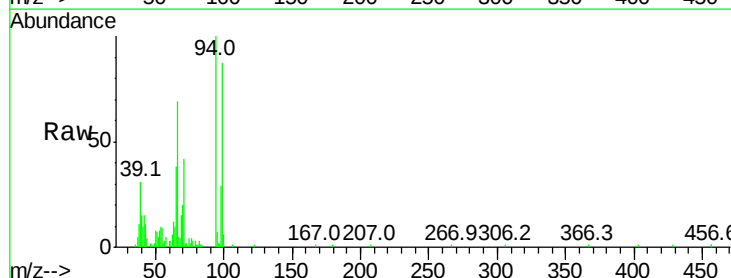
RT: 6.61 min Scan# 727

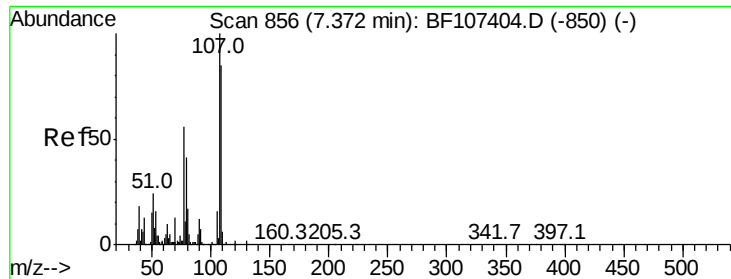
Delta R.T. 0.01 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

Tgt Ion	Ratio	Resp	Lower	Upper
94	100	50718		
65	38.2	7.9	47.9	
66	68.8	16.2	56.2#	





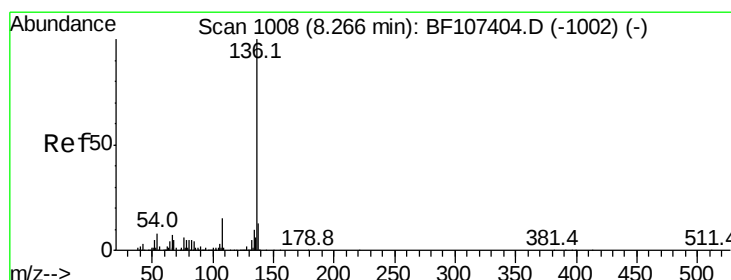
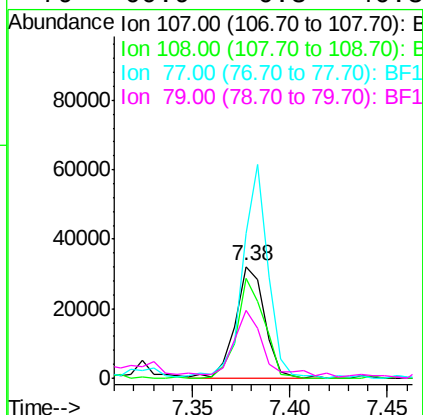
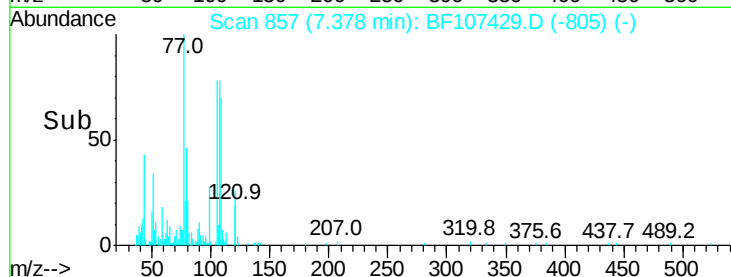
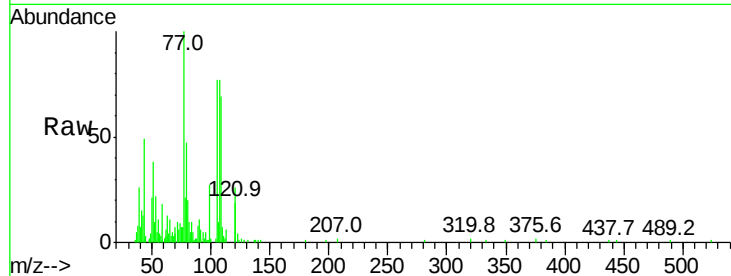
#20
3+4-Methylphenols
Concen: 2.697 ng
RT: 7.38 min Scan# 857
Delta R.T. 0.01 min
Lab File: BF107429.D
Acq: 17 Jul 2018 3:26

Instrument :
BNA_F
ClientSampled :
FM1041

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100			
108	108	89.6	68.2	108.2	
77	77	129.3	26.7	66.7	
79	79	60.9	6.3	46.3	

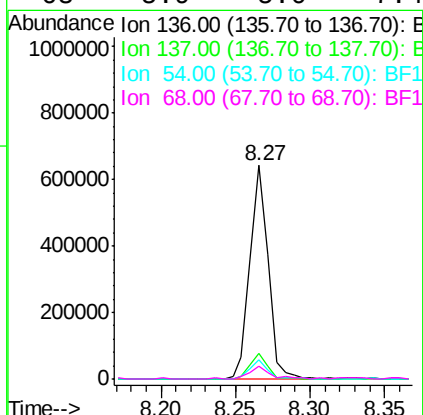
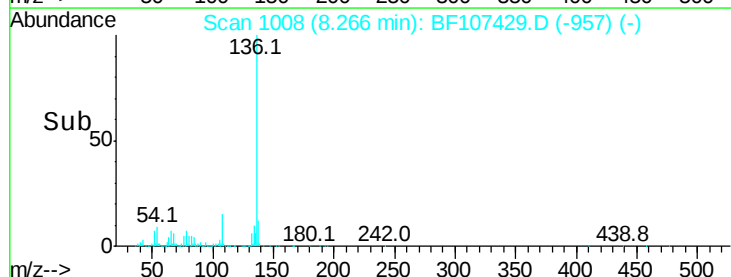
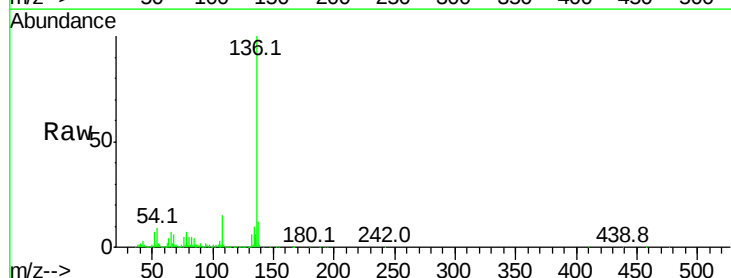
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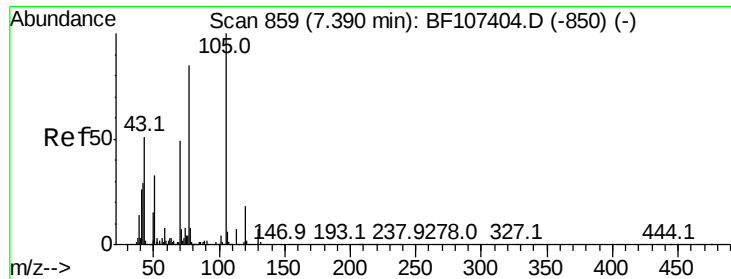
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BF107429.D
Acq: 17 Jul 2018 3:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	136	100			
137	137	12.3	8.9	13.3	
54	54	9.2	6.6	9.8	
68	68	5.9	5.0	7.4	





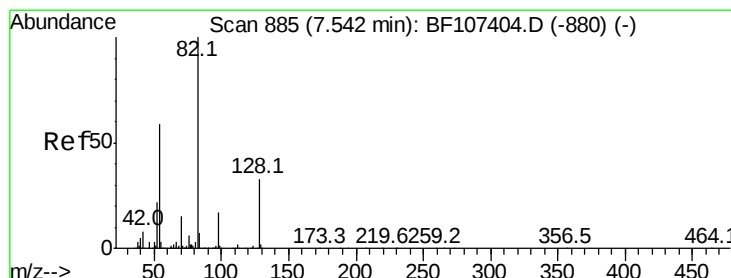
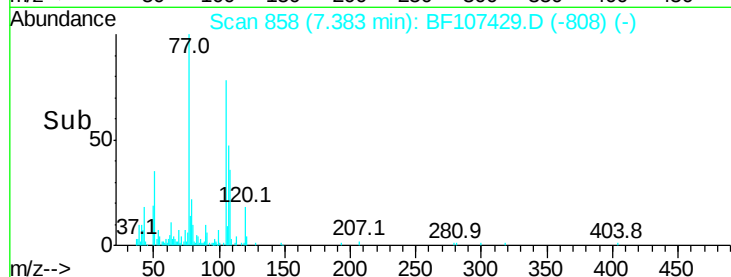
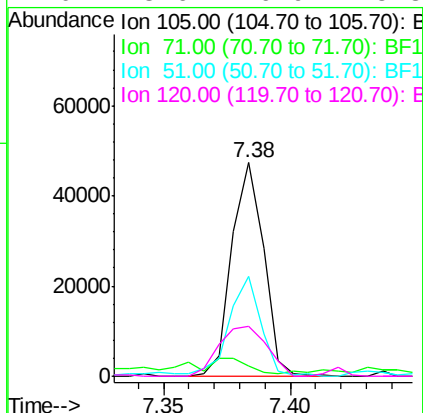
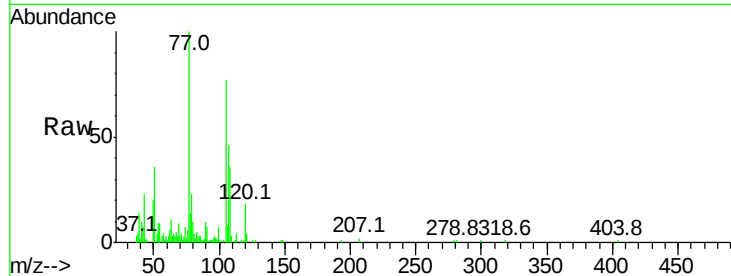
#22
Acetophenone
Concen: 2.789 ng
RT: 7.38 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF107429.D
Acq: 17 Jul 2018 3:26

Instrument :
BNA_F
ClientSampleId :
FM1041

Tot Ion	Ratio	Lower	Upper
105	100		
71	4.7	4.4	6.6
51	46.6	22.3	33.5
120	23.6	16.9	25.3

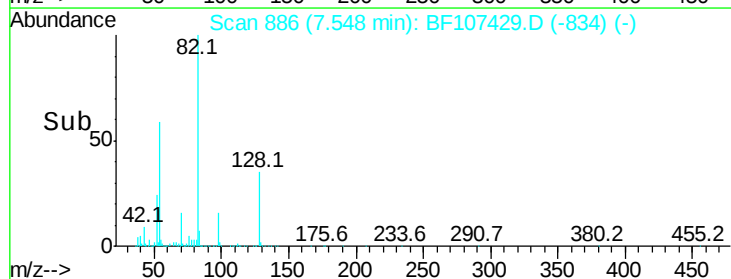
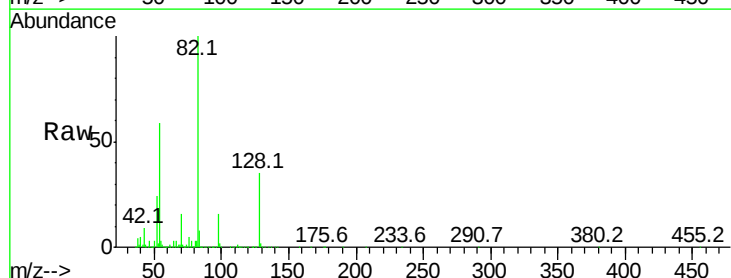
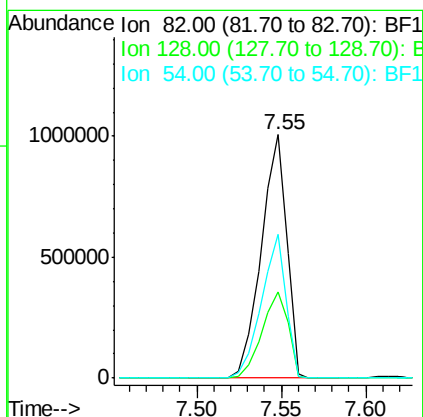
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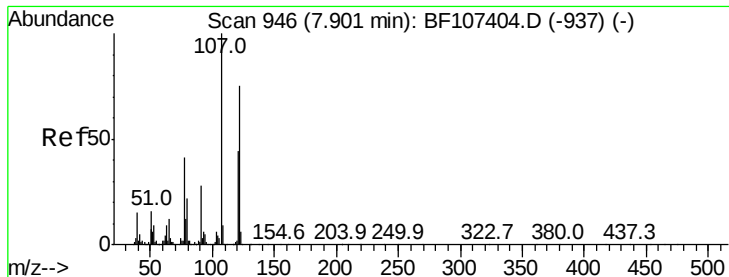
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#23
Nitrobenzene-d5
Concen: 103.328 ng
RT: 7.55 min Scan# 886
Delta R.T. 0.01 min
Lab File: BF107429.D
Acq: 17 Jul 2018 3:26

Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.3	36.1	54.1
54	59.0	41.4	62.2





#27

2,4-Dimethylphenol

Concen: 2.282 ng

RT: 7.92 min Scan# 949

Delta R.T. 0.02 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

Instrument :

BNA_F

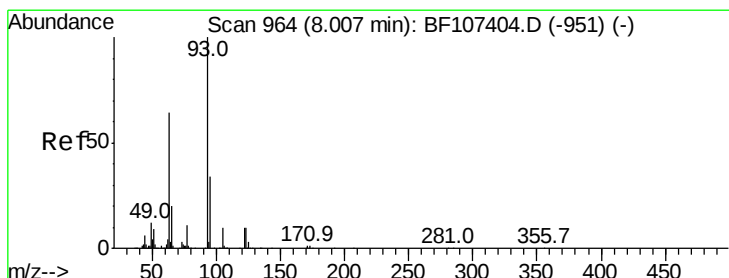
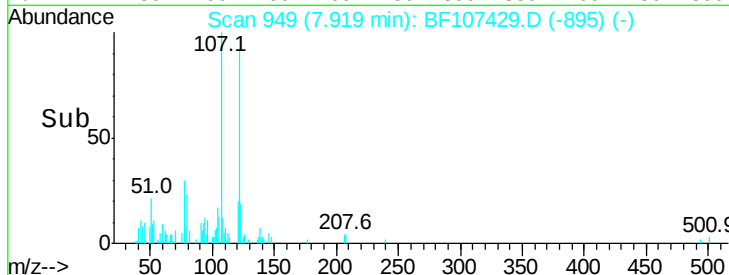
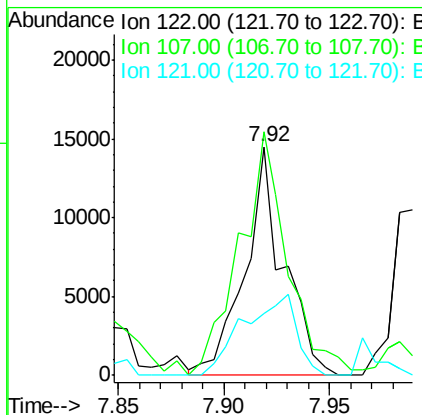
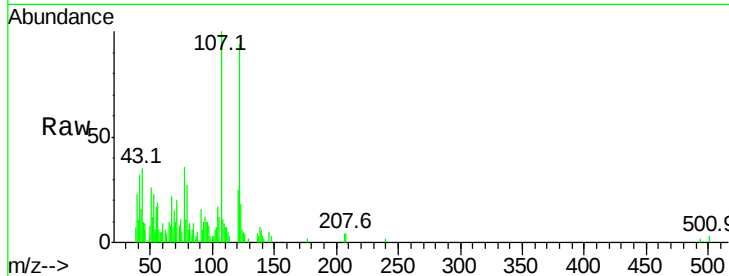
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Tot Ion	Ratio	Lower	Upper
122	100		
107	106.5	91.2	136.8
121	27.1	47.2	70.8#

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#32

Benzoic acid

Concen: 28.868 ng

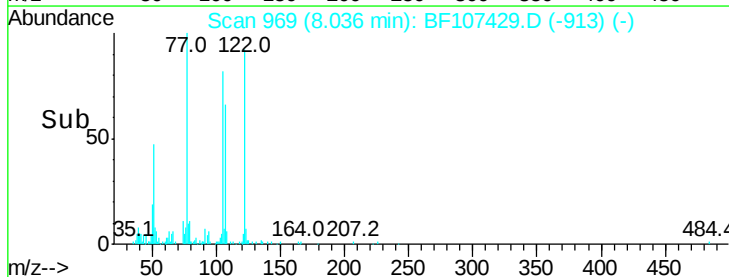
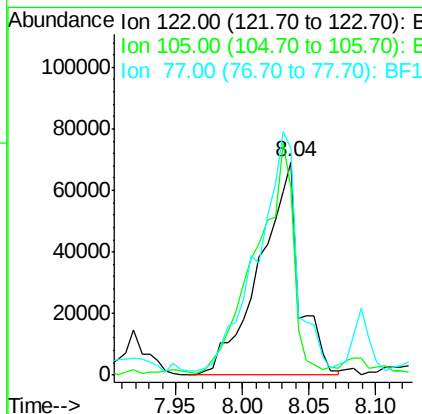
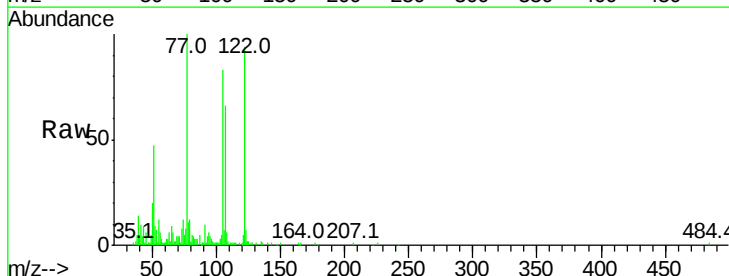
RT: 8.04 min Scan# 969

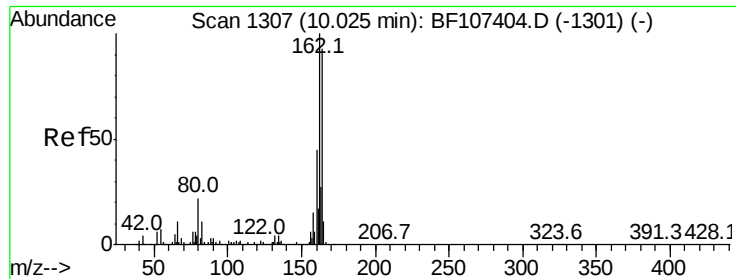
Delta R.T. 0.03 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

Tgt Ion	Ratio	Lower	Upper
122	100		
105	88.1	101.1	141.1#
77	106.7	70.7	110.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.03 min Scan# 1308

Delta R.T. 0.01 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

Instrument :

BNA_F

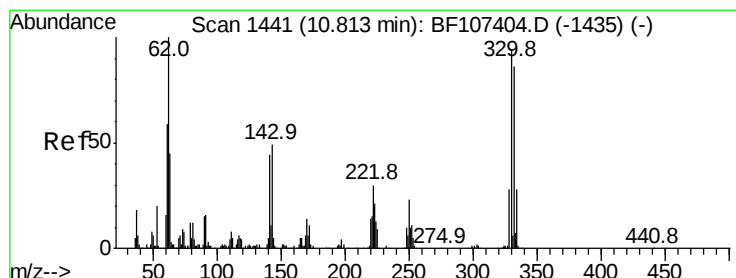
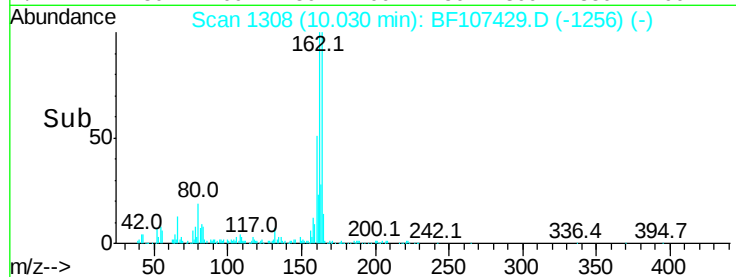
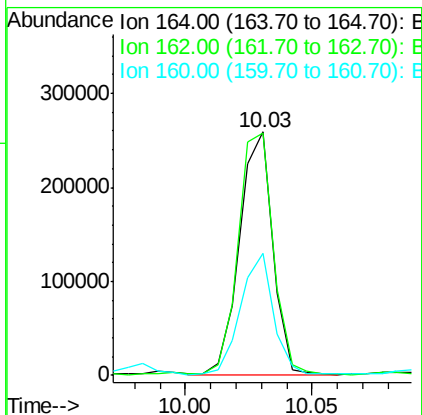
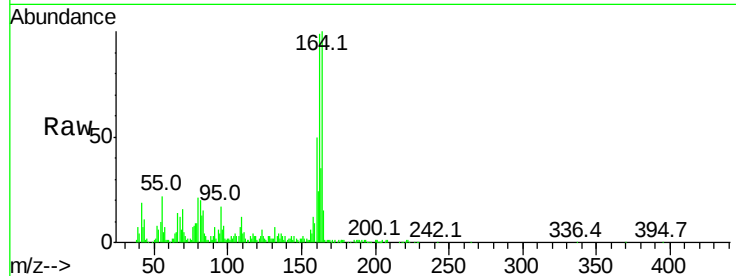
ClientSampleId :

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Tot Ion:	164	Resp:	233355
Ion Ratio	Lower	Upper	
164	100		
162	99.4	86.1	129.1
160	50.3	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 97.813 ng

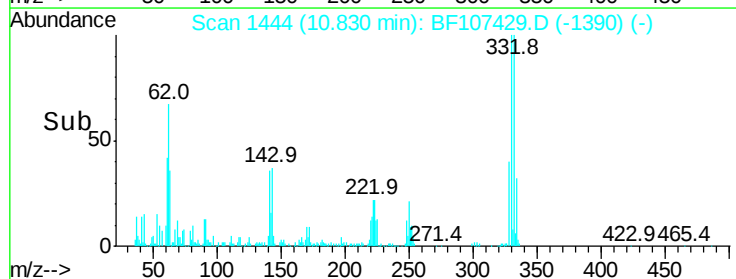
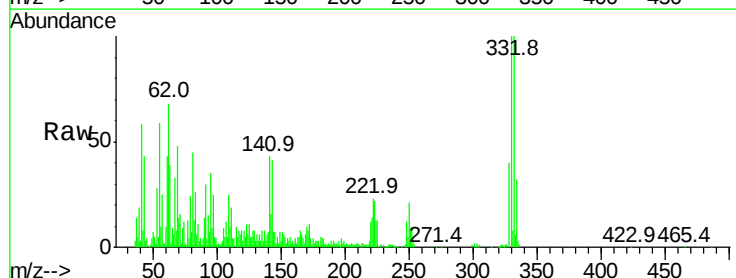
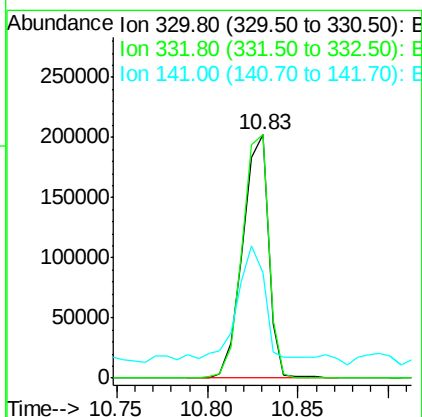
RT: 10.83 min Scan# 1444

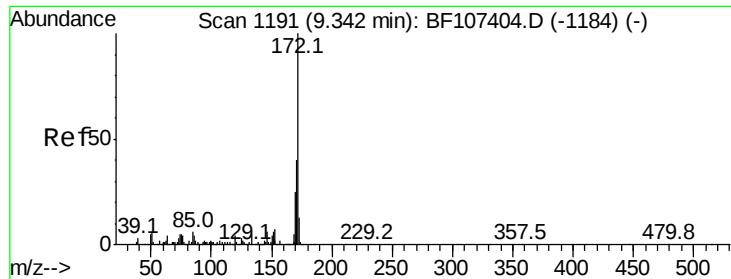
Delta R.T. 0.02 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

Tgt Ion:	330	Resp:	200545
Ion Ratio	Lower	Upper	
330	100		
332	102.5	77.0	115.6
141	50.7	29.9	44.9#





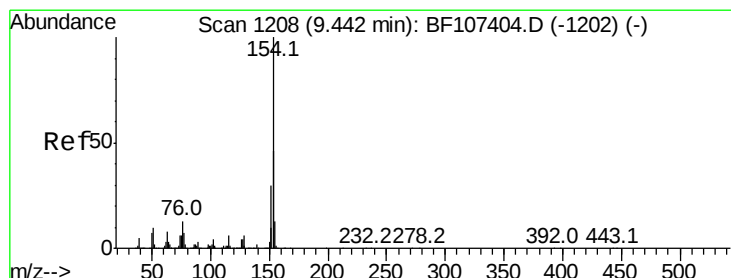
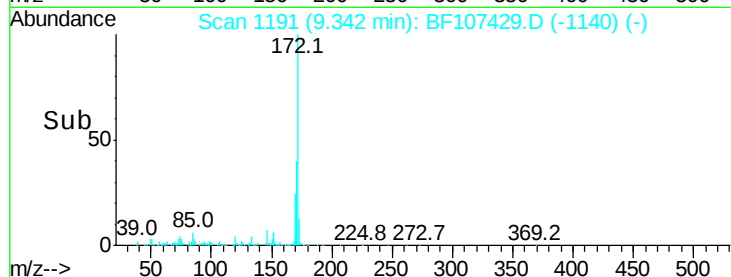
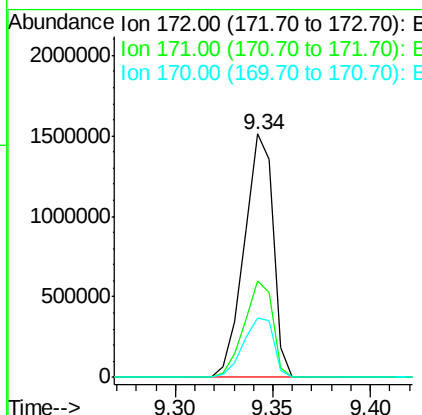
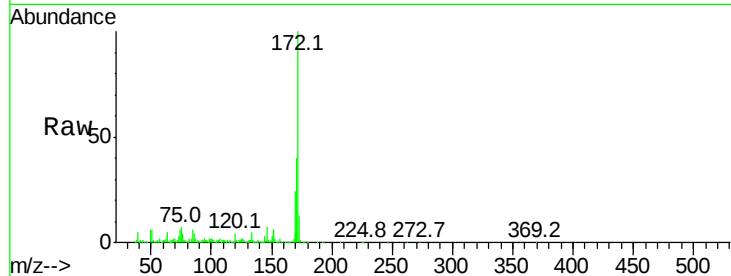
#44
 2-Fluorobiphenyl
 Concen: 114.524 ng
 RT: 9.34 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: BF107429.D
 Acq: 17 Jul 2018 3:26

Instrument :
 BNA_F
 ClientSampleId :
 FM1041

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.6	29.7	44.5
170	24.5	19.6	29.4

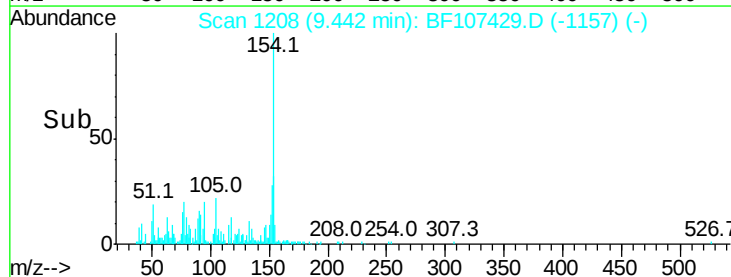
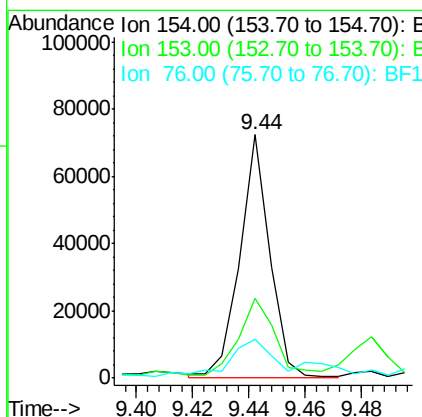
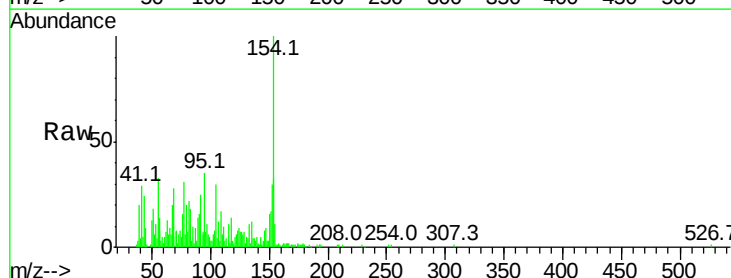
Manual Integrations
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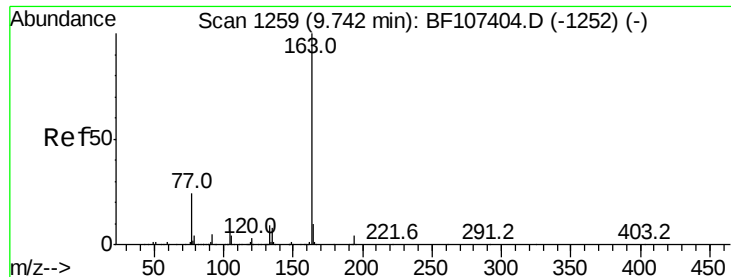
Sohil
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#45
 1,1'-Biphenyl
 Concen: 2.639 ng
 RT: 9.44 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: BF107429.D
 Acq: 17 Jul 2018 3:26

Tgt Ion	Ratio	Lower	Upper
154	100		
153	32.5	21.3	61.3
76	16.1	0.0	34.0





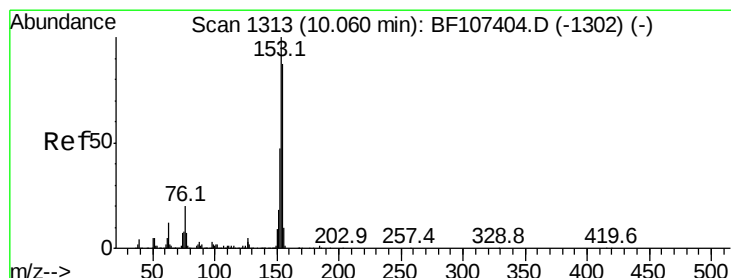
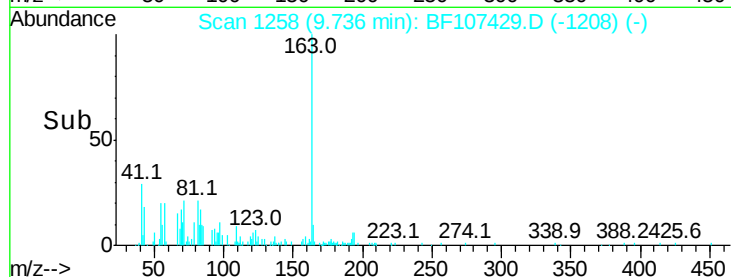
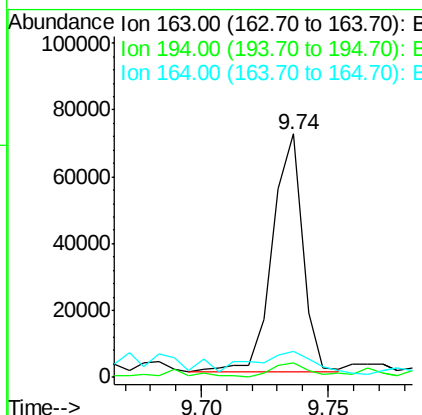
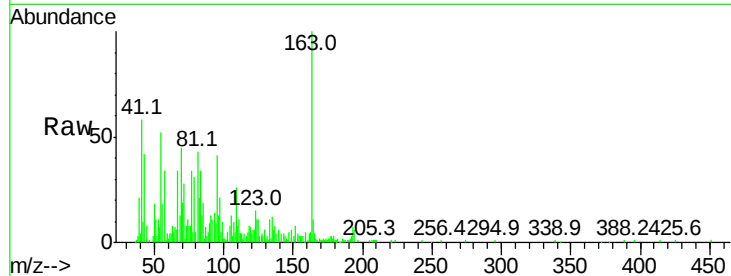
#49
Dimethylphthalate
Concen: 3.183 ng
RT: 9.74 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF107429.D
Acq: 17 Jul 2018 3:26

Instrument :
BNA_F
ClientSampled :
FM1041

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	6.0	2.7	4.1#	
164	10.9	8.2	12.2	

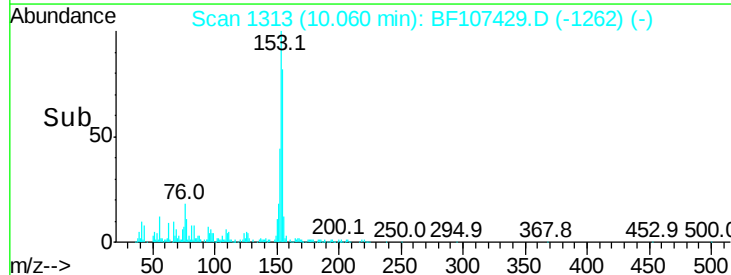
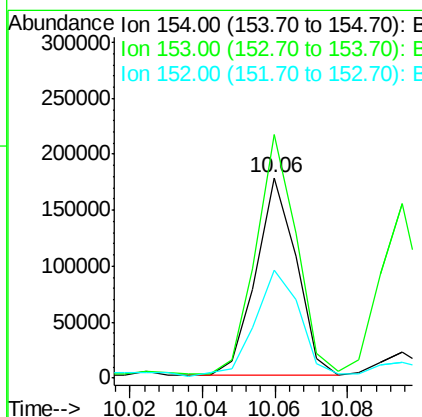
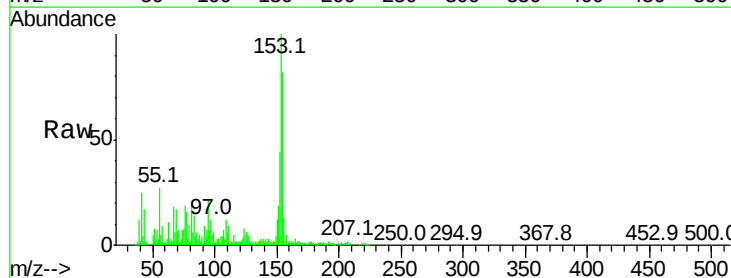
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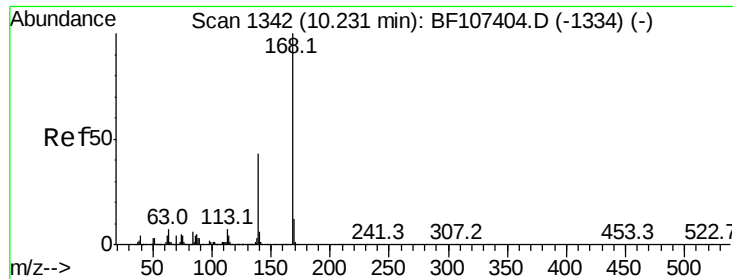
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#51
Acenaphthene
Concen: 9.308 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BF107429.D
Acq: 17 Jul 2018 3:26

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	121.6	91.2	136.8	
152	53.8	43.8	65.8	





#54

Dibenzenofuran

Concen: 6.849 ng

RT: 10.23 min Scan# 1342

Delta R.T. -0.00 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

Instrument :

BNA_F

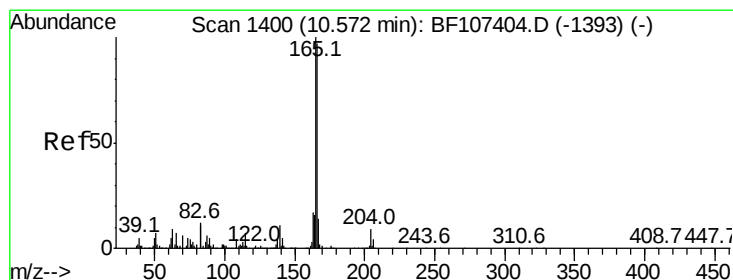
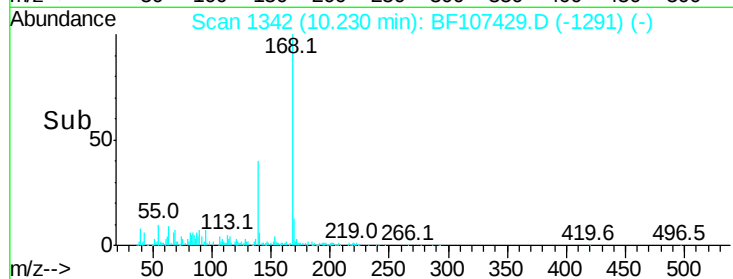
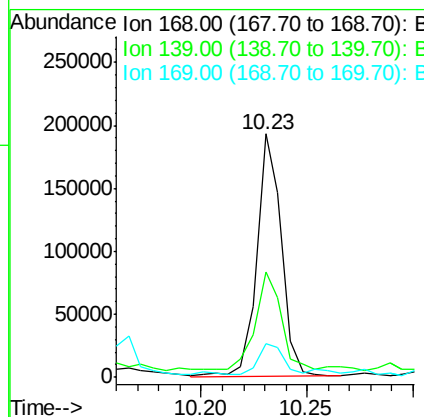
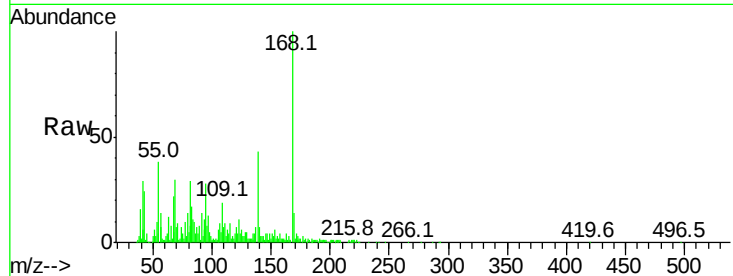
ClientSampled :

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Tot Ion:	168	Resp:	156021
Ion Ratio	Lower	Upper	
168	100		
139	43.2	30.1	45.1
169	13.7	10.9	16.3

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#57

Fluorene

Concen: 8.350 ng

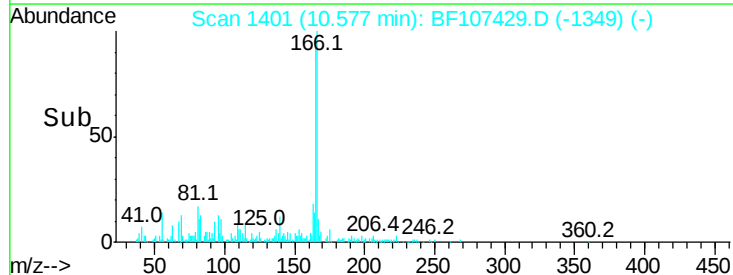
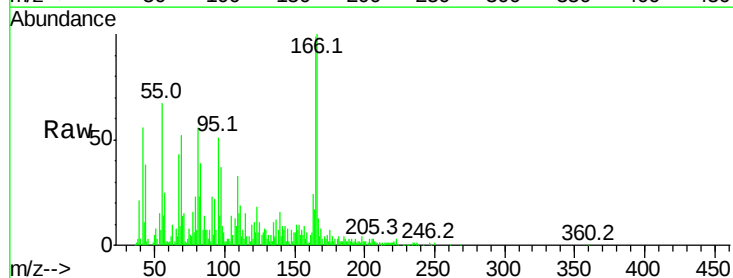
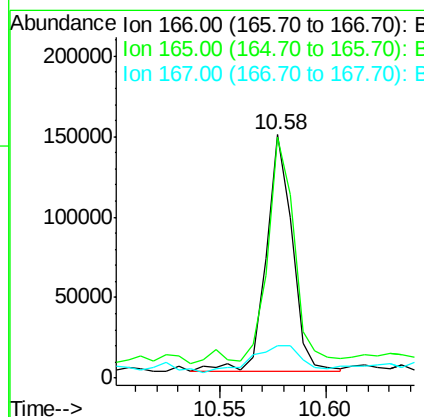
RT: 10.58 min Scan# 1401

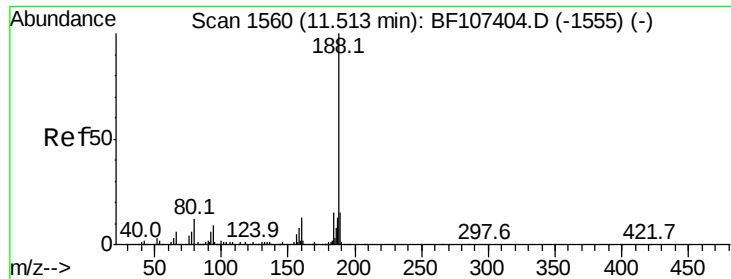
Delta R.T. 0.01 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

Tgt Ion:	166	Resp:	125981
Ion Ratio	Lower	Upper	
166	100		
165	99.2	79.8	119.8
167	13.3	10.6	16.0





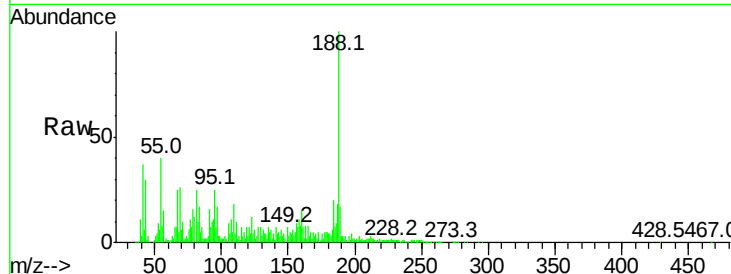
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.53 min Scan# 1563
Delta R.T. 0.02 min
Lab File: BF107429.D
Acq: 17 Jul 2018 3:26

Instrument :
BNA_F
ClientSampled :
FM1041

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.9	8.5	12.7	
80	12.1	9.2	13.8	

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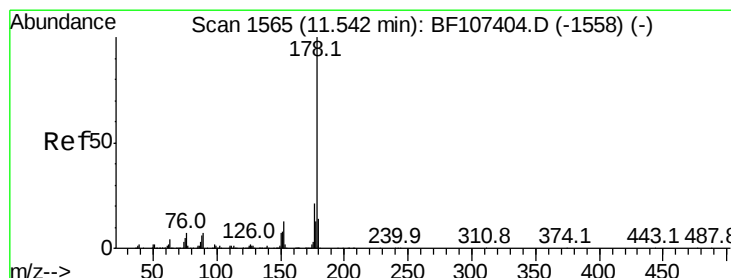
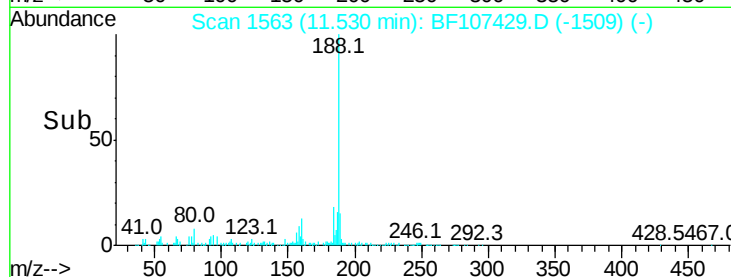
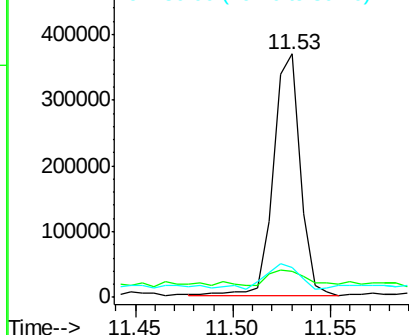
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Abundance Ion 188.00 (187.70 to 188.70): E

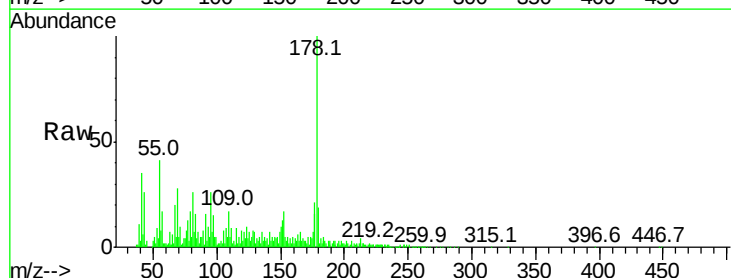
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70
Phenanthrene
Concen: 16.706 ng
RT: 11.55 min Scan# 1567
Delta R.T. 0.01 min
Lab File: BF107429.D
Acq: 17 Jul 2018 3:26

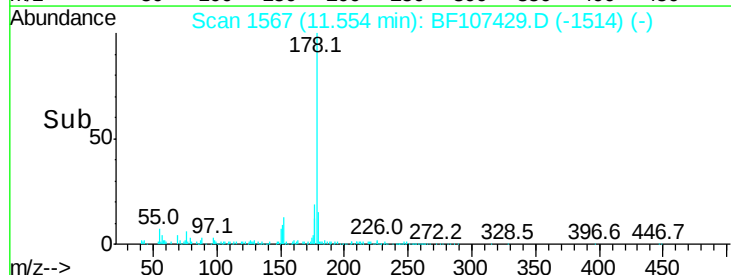
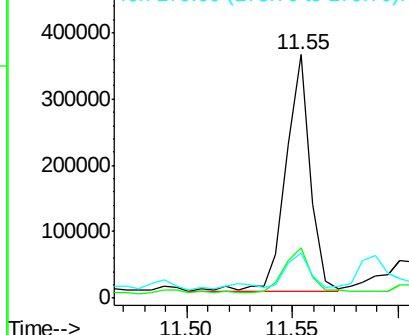
Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	20.8	15.8	23.8	
179	18.6	13.0	19.6	

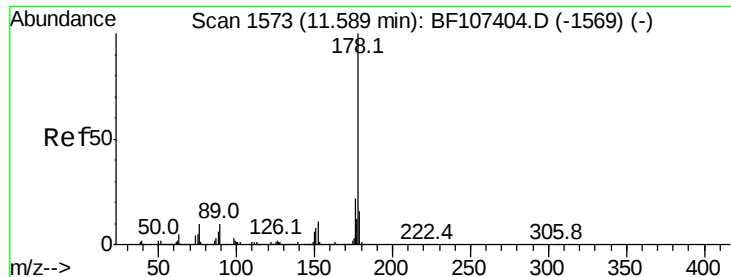


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 3.985 ng/mL

RT: 11.60 min Scan# 1575

Delta R.T. 0.01 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

Instrument :

BNA_F

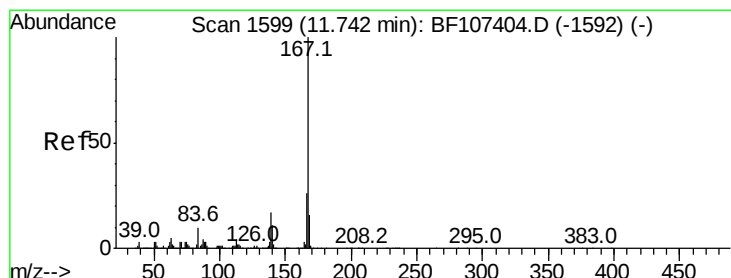
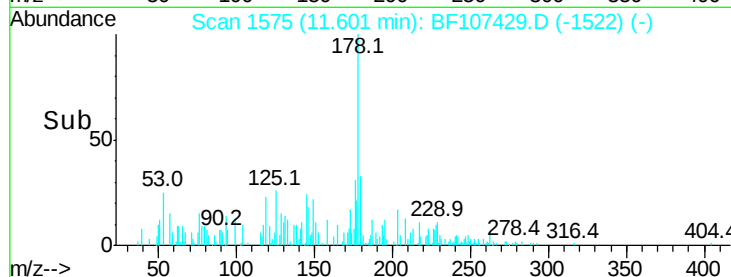
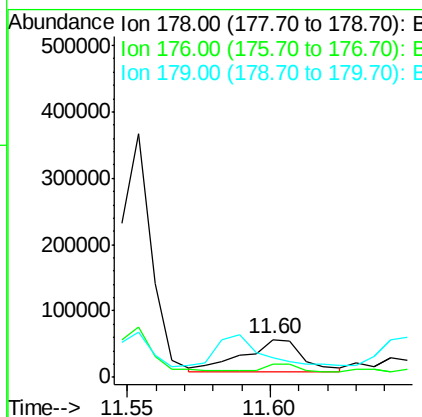
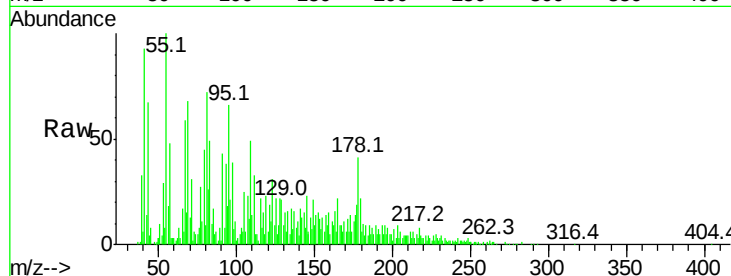
ClientSampled :

FM1041

Tot Ion:	178	Resp:	68888
Ion Ratio	Lower	Upper	
178	100		
176	35.2	15.4	23.2#
179	52.8	12.6	19.0#

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#72

Carbazole

Concen: 16.590 ng/mL

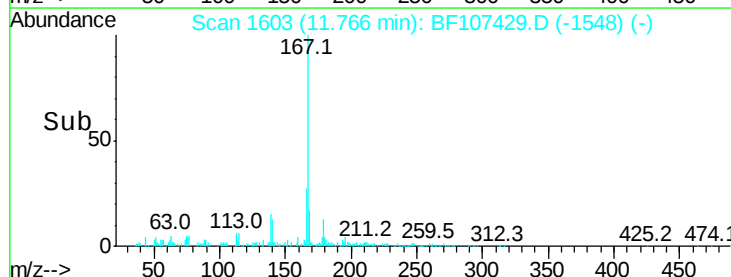
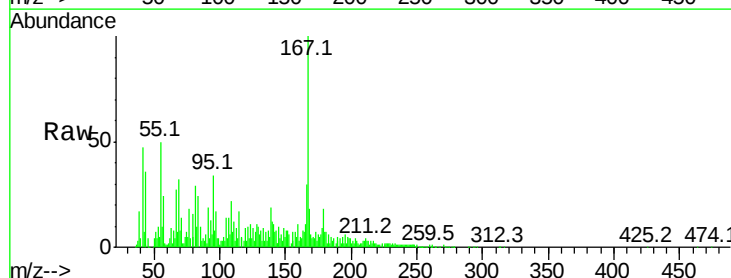
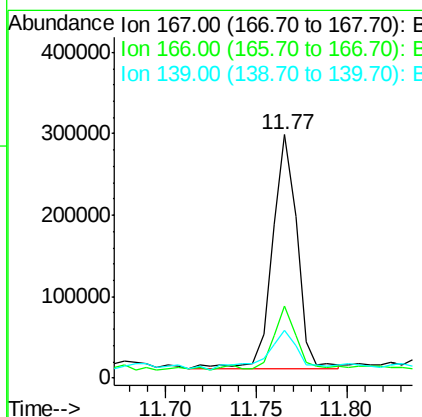
RT: 11.77 min Scan# 1603

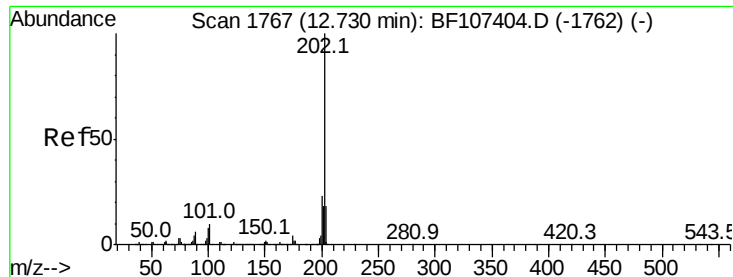
Delta R.T. 0.02 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

Tgt Ion:	167	Resp:	271502
Ion Ratio	Lower	Upper	
167	100		
166	29.6	17.6	26.4#
139	19.4	10.9	16.3#





#74

Fluoranthene

Concen: 5.037 ng

RT: 12.75 min Scan# 1770

Delta R.T. 0.02 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

Instrument :

BNA_F

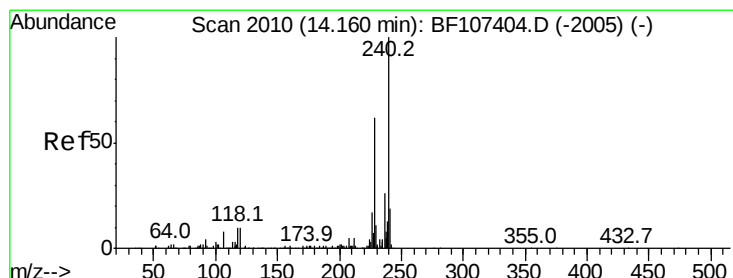
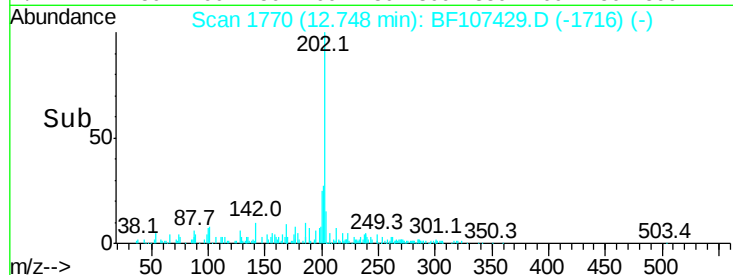
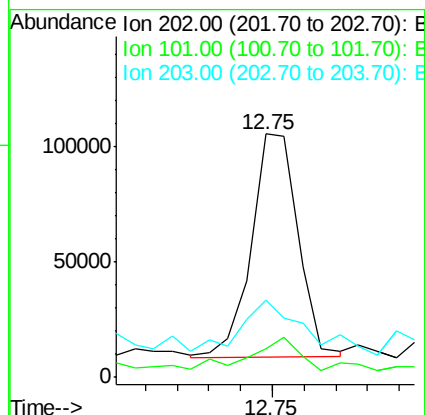
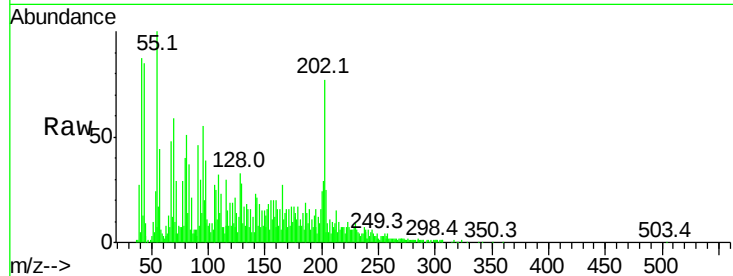
ClientSampled :

FM1041

Tot Ion:	202	Resp:	99356
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	34.1
203	31.9	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

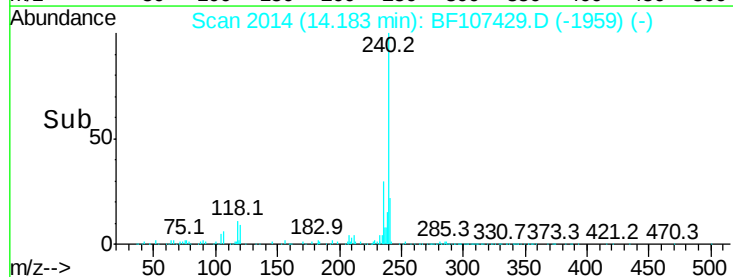
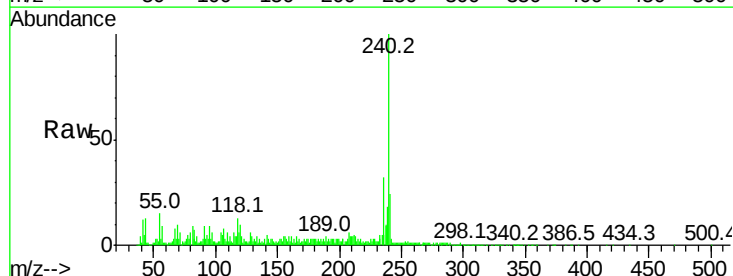
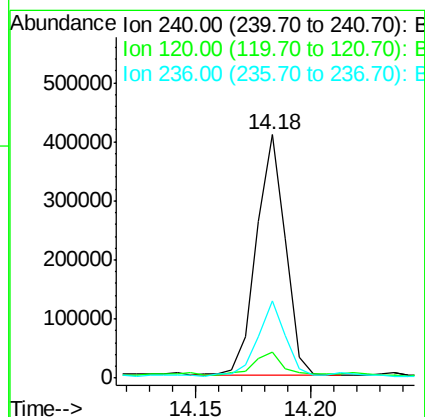
RT: 14.18 min Scan# 2014

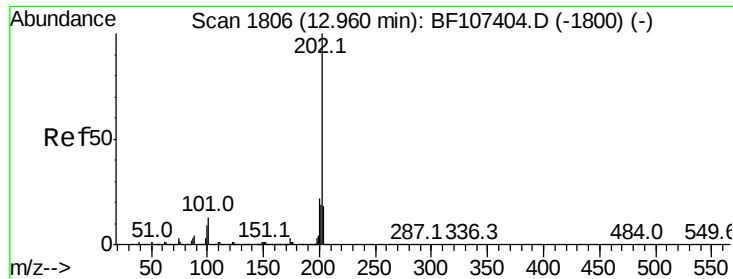
Delta R.T. 0.02 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

Tgt Ion:	240	Resp:	357751
Ion Ratio	Lower	Upper	
240	100		
120	10.4	9.5	14.3
236	31.5	20.7	31.1#





#77

Pvrene

Concen: 2.729 ng

RT: 12.98 min Scan# 1810

Delta R.T. 0.02 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

Instrument :

BNA_F

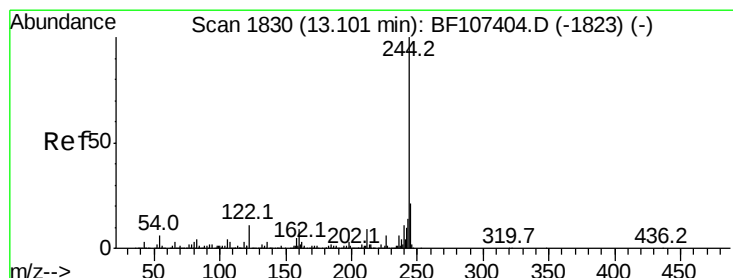
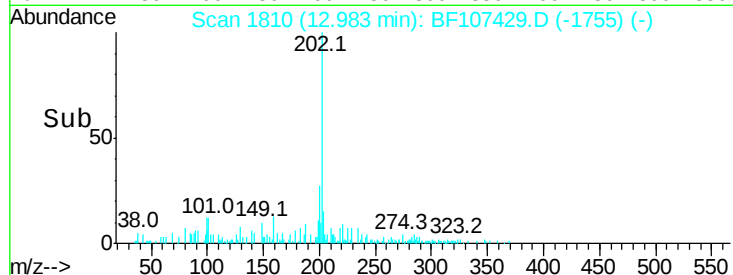
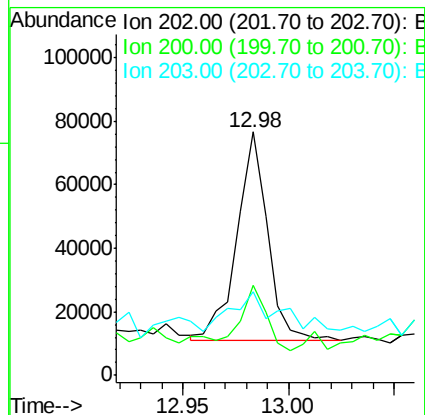
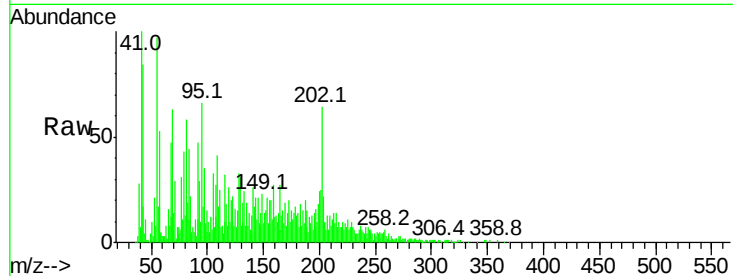
ClientSampleId :

FM1041

Tot Ion:	202	Resp:	66391
Ion Ratio	Lower	Upper	
202	100		
200	37.1	17.4	26.2#
203	34.4	14.3	21.5#

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#78

Terphenyl-d14

Concen: 89.251 ng

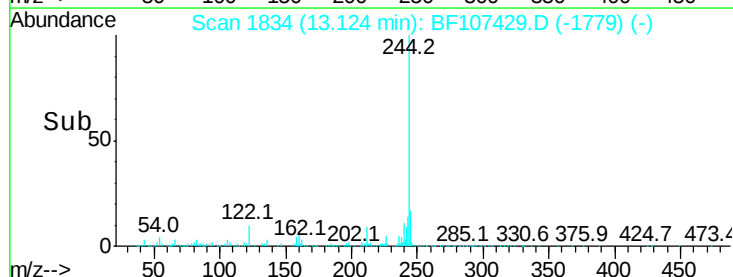
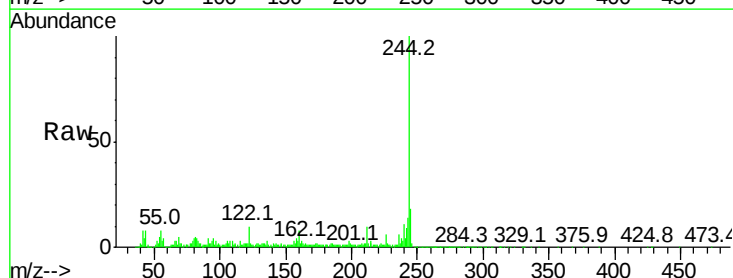
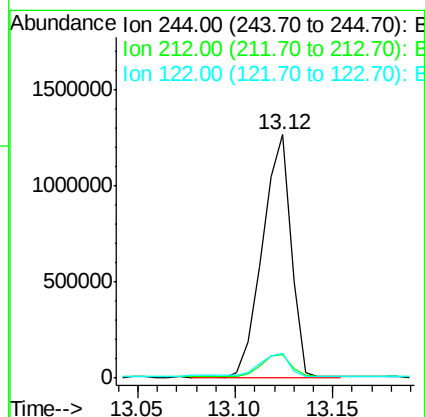
RT: 13.12 min Scan# 1834

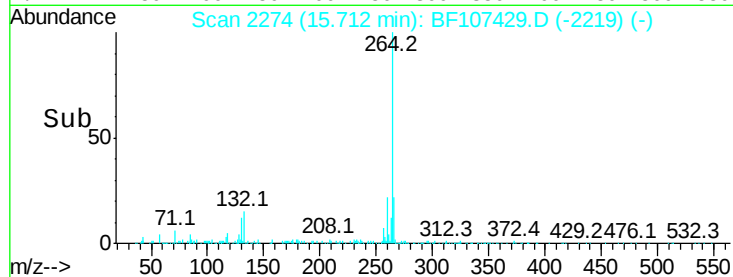
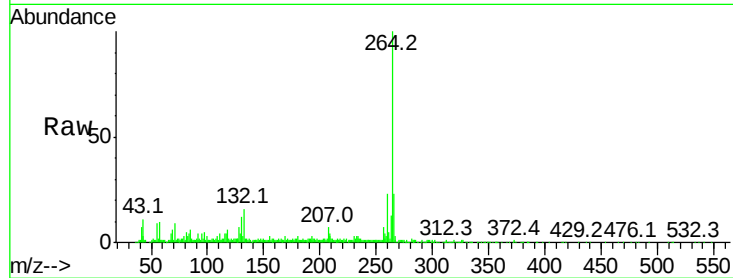
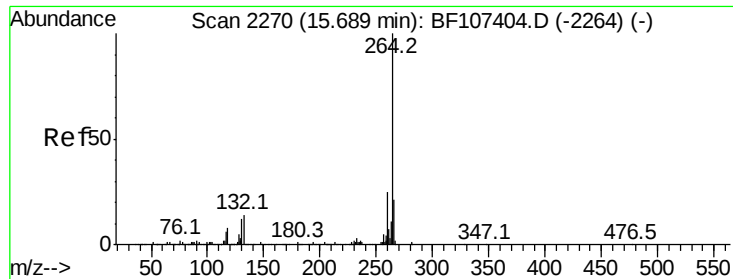
Delta R.T. 0.02 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

Tgt Ion:	244	Resp:	1285107
Ion Ratio	Lower	Upper	
244	100		
212	9.6	5.4	8.0#
122	10.3	11.0	16.4#





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2274
Delta R.T. 0.02 min
Lab File: BF107429.D
Acq: 17 Jul 2018 3:26

Instrument :
BNA_F
ClientSampleId :
FM1041

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.6	17.5	26.3

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