

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063018\
 Data File : BF107029.D
 Acq On : 30 Jun 2018 21:44
 Operator : JU/SJ
 Sample : J3638-01 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-1

Manual Integrations
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Quant Time: Jul 03 14:46:34 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	73017	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	251085	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	111276	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	210661	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	151734	20.00	ng	-0.02
86) Perylene-d12	15.69	264	126789	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	282258	65.46	ng	0.00
7) Phenol-d6	6.60	99	336630	62.51	ng	-0.01
23) Nitrobenzene-d5	7.52	82	188070	41.63	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	86825	67.32	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	364273	49.20	ng	-0.02
78) Terphenyl-d14	13.07	244	422515	67.45	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	9.86	152	35341	3.207	ng	97
49) Dimethylphthalate	9.70	163	42013	5.034	ng	# 97
51) Acenaphthene	10.02	154	27263	3.928	ng	96
54) Dibenzofuran	10.20	168	20703	2.179	ng	97
57) Fluorene	10.54	166	33817	4.484	ng	# 97
70) Phenanthrene	11.52	178	521899	51.365	ng	99
71) Anthracene	11.57	178	116509	11.234	ng	99
72) Carbazole	11.72	167	67185	6.919	ng	98
74) Fluoranthene	12.72	202	1015773	90.702	ng	96
77) Pyrene	12.95	202	942972	94.243	ng	98
80) Benzo(a)anthracene	14.14	228	468285	50.638	ng	97
82) Chrysene	14.18	228	437762	51.454	ng	97
83) Bis(2-ethylhexyl)phthalate	14.09	149	54628	10.387	ng	# 94
85) Indeno(1,2,3-cd)pyrene	17.28	276	251157	34.786	ng	# 86
87) Benzo(b)fluoranthene	15.24	252	553470m	70.272	ng	
88) Benzo(k)fluoranthene	15.26	252	137841m	18.378	ng	
89) Benzo(a)pyrene	15.62	252	354798	50.674	ng	94
90) Dibenzo(a,h)anthracene	17.28	278	70024m	11.801	ng	
91) Benzo(g,h,i)perylene	17.77	276	253312	43.676	ng	# 88

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

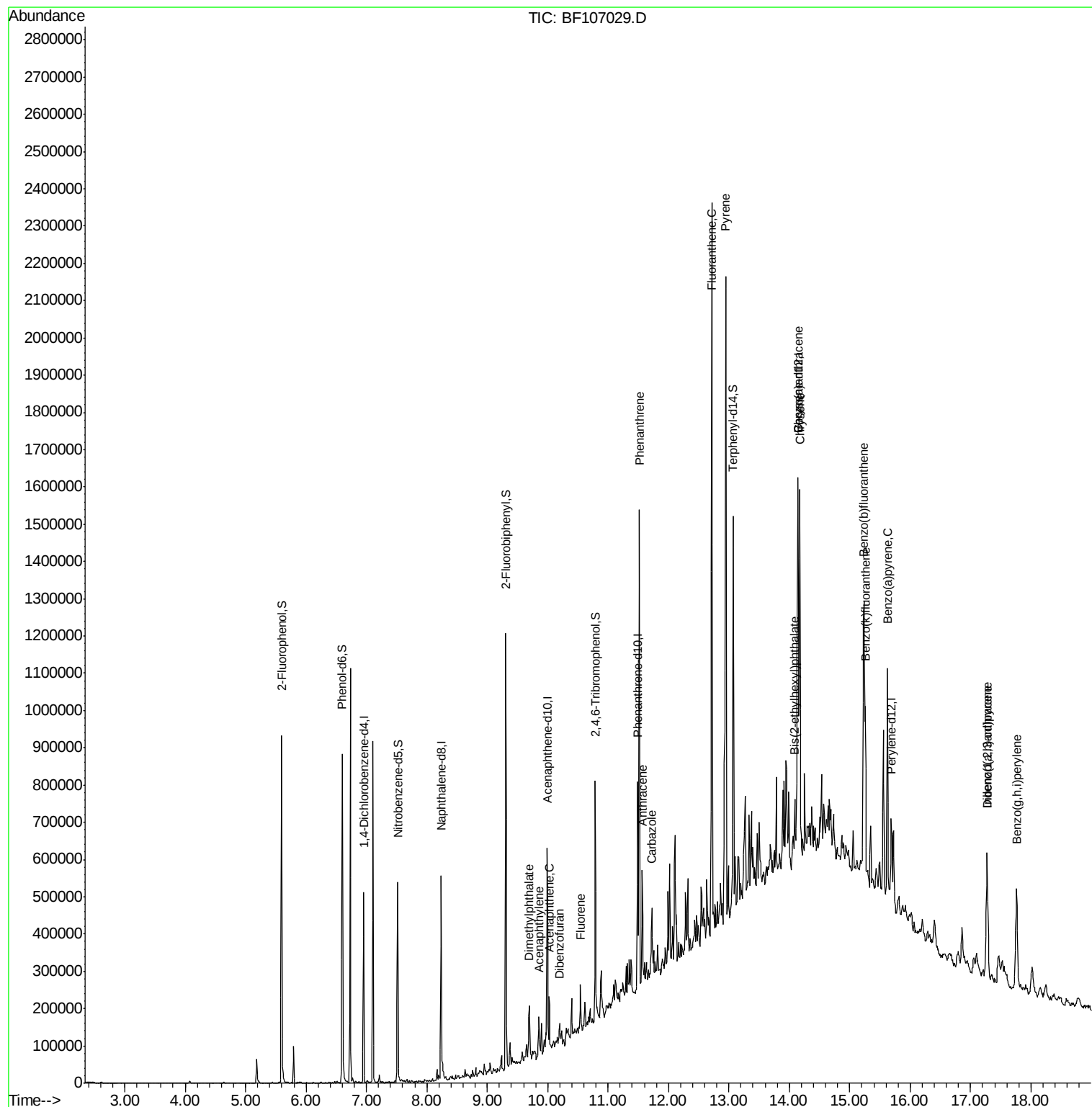
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063018\
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ALS Vial : 26 Sample Multiplier: 1

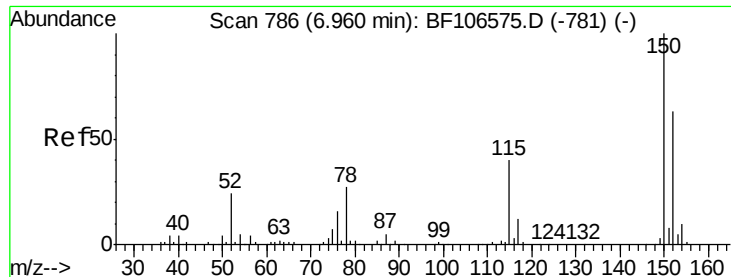
Instrument :
BNA_F
ClientSampled :
P-1

Quant Time: Jul 03 14:46:34 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
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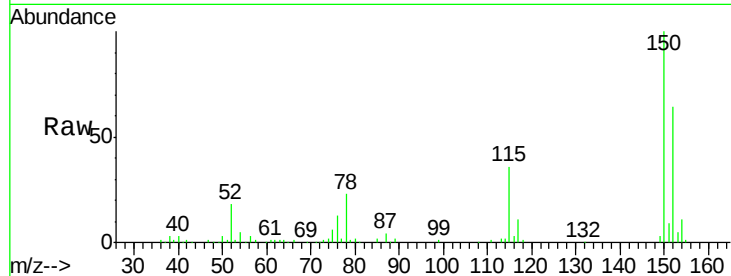
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF107029.D
 Acq: 30 Jun 2018 21:44

Instrument :
 BNA_F
 ClientSampled :
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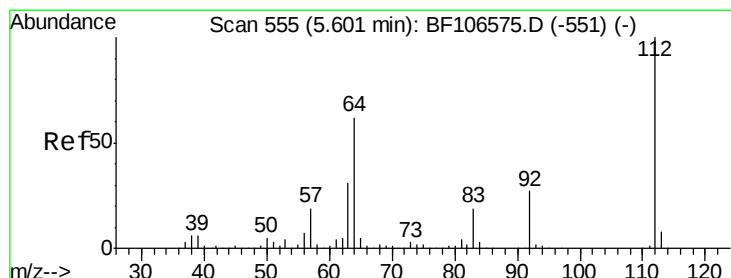
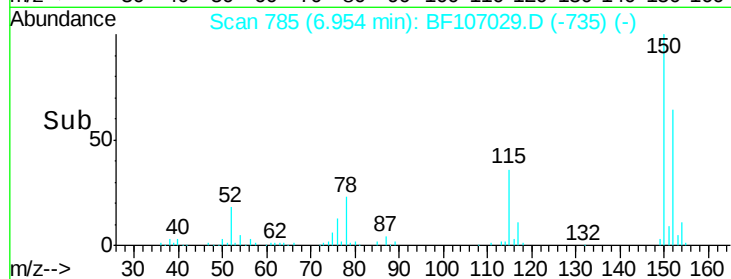
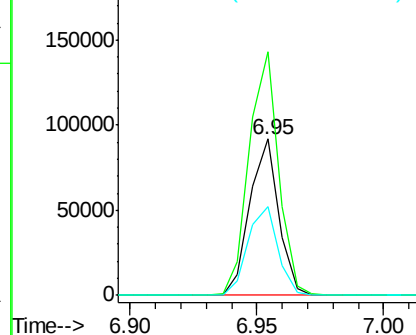
Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.6	186.8
115	56.6	50.1	75.1

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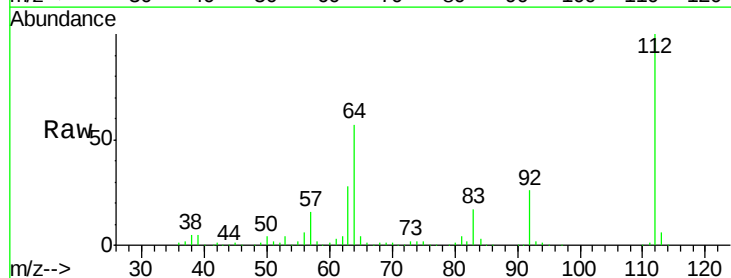


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

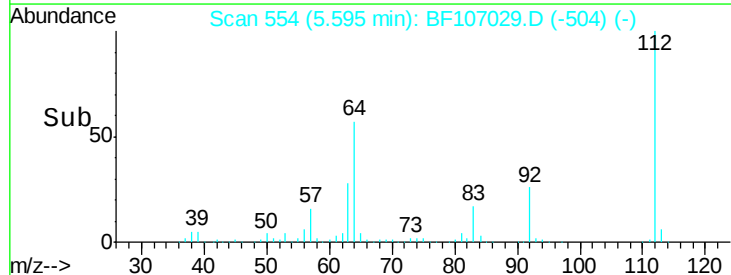
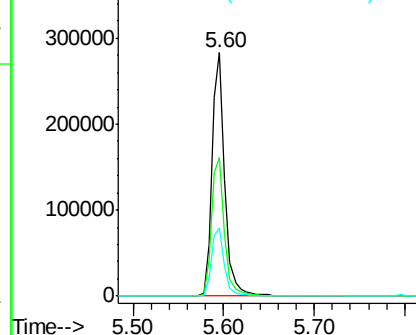


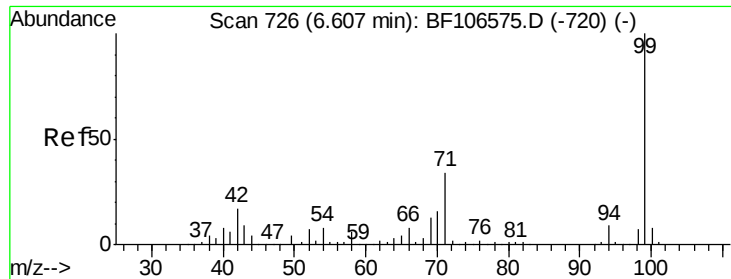
#5
 2-Fluorophenol
 Concen: 65.458 ng
 RT: 5.60 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: BF107029.D
 Acq: 30 Jun 2018 21:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.9	71.9
63	28.2	23.7	35.5



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





#7

Phenol-d6

Concen: 62.513 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107029.D

Acq: 30 Jun 2018 21:44

Instrument :

BNA_F

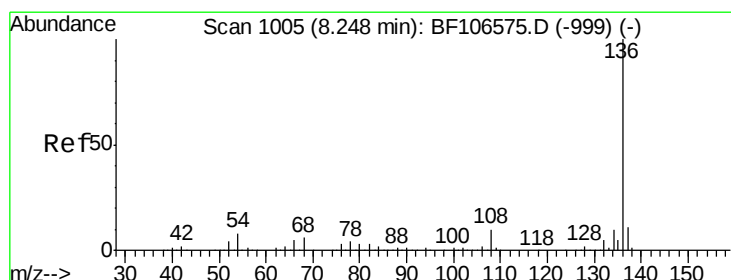
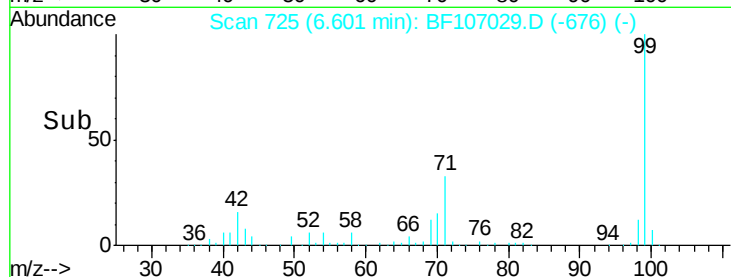
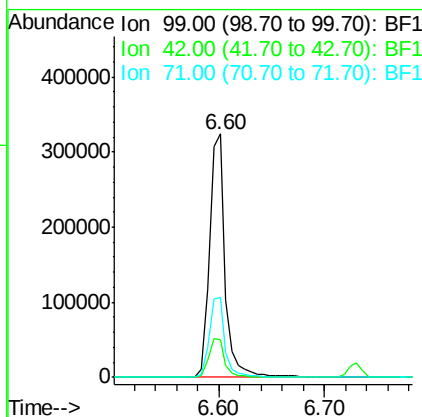
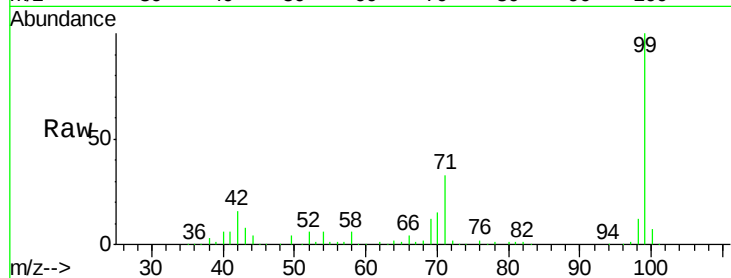
ClientSampleId :

P-1

Tgt Ion:	99	Resp:	336630
Ion Ratio	Lower	Upper	
99	100		
42	15.5	14.5	21.7
71	33.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

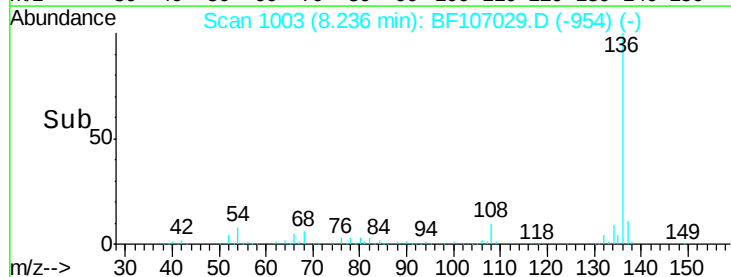
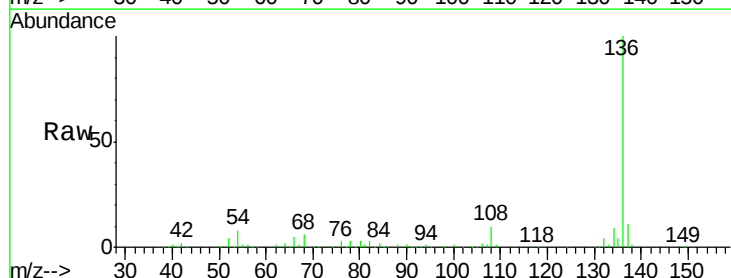
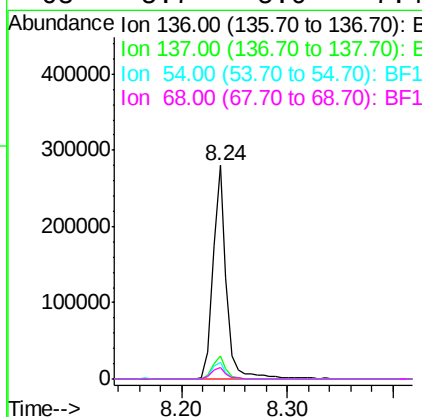
RT: 8.24 min Scan# 1003

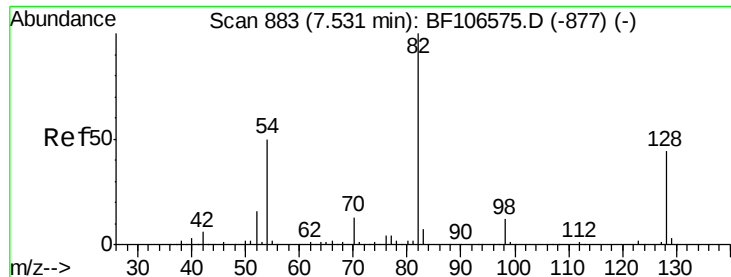
Delta R.T. -0.01 min

Lab File: BF107029.D

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Tgt Ion:	136	Resp:	251085
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	7.6	6.6	9.8
68	5.7	5.0	7.4





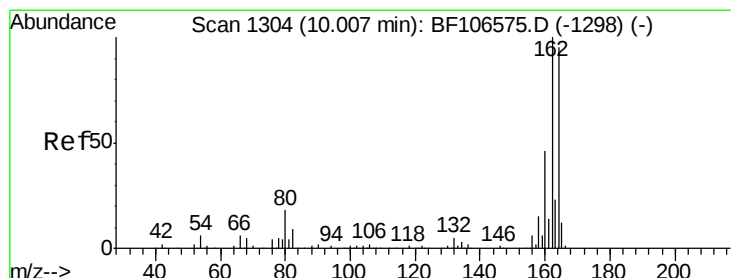
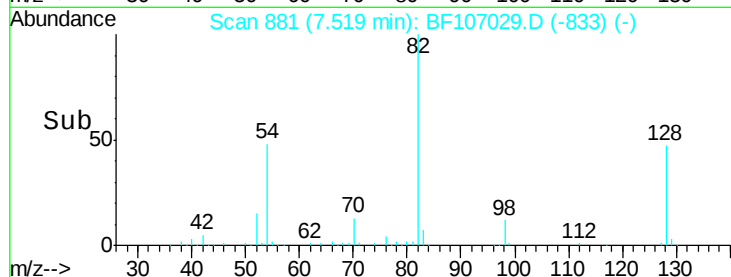
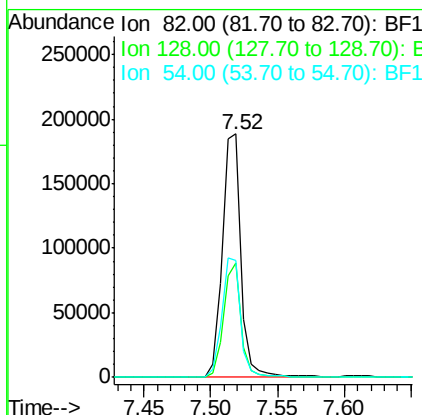
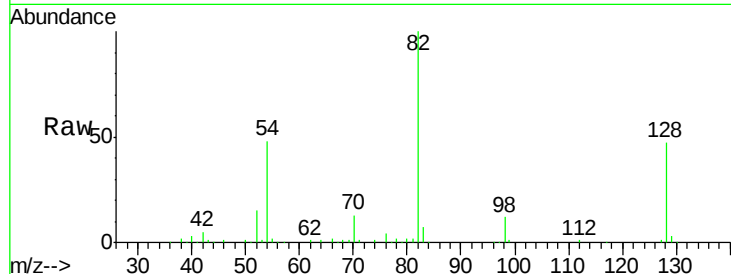
#23
 Nitrobenzene-d5
 Concen: 41.626 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BF107029.D
 Acq: 30 Jun 2018 21:44

Instrument :
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 ClientSampled :
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Tgt Ion	Ratio	Resp	Lower	Upper
82	100	188070		
128	46.8	36.1	54.1	
54	48.0	41.4	62.2	

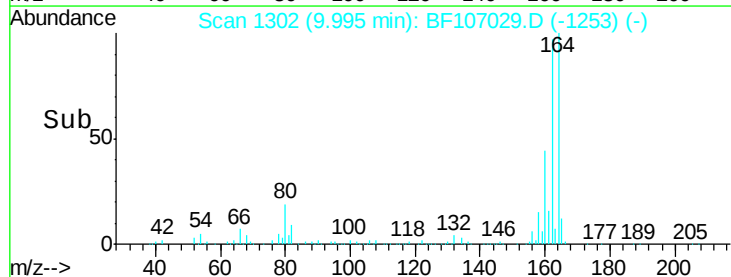
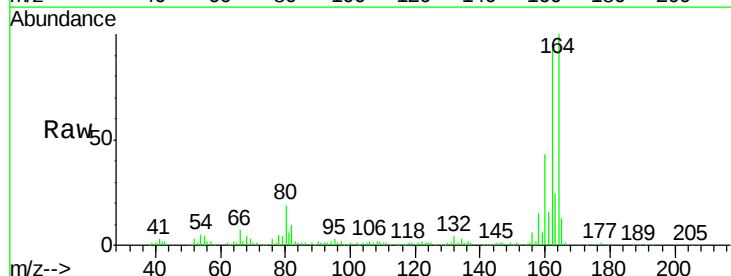
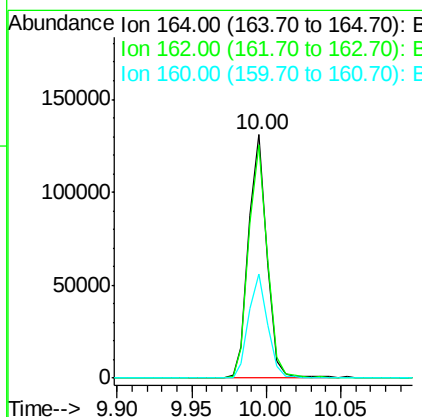
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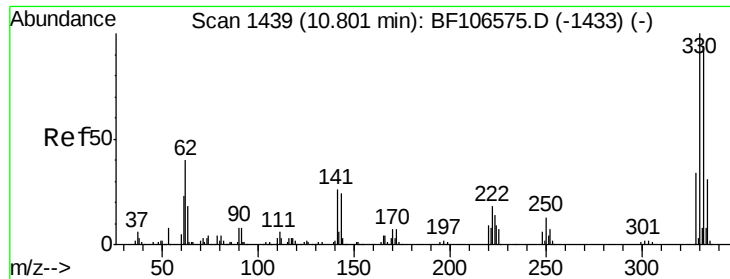
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF107029.D
 Acq: 30 Jun 2018 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	111276		
162	95.8	86.1	129.1	
160	42.9	38.3	57.5	





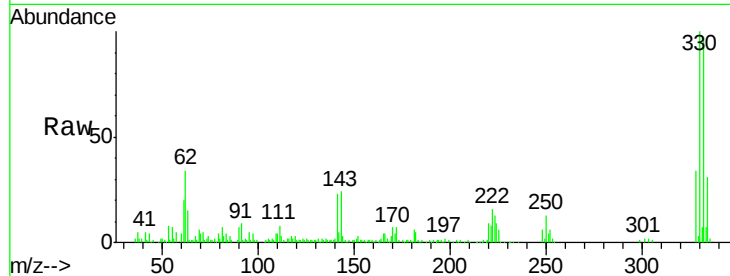
#41
 2,4,6-Tribromophenol
 Concen: 67.321 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107029.D
 Acq: 30 Jun 2018 21:44

Instrument :
 BNA_F
 ClientSampled :
 P-1

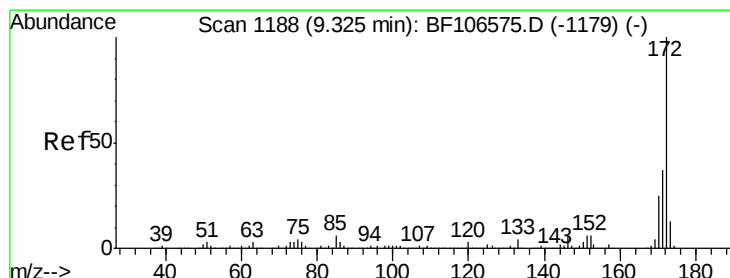
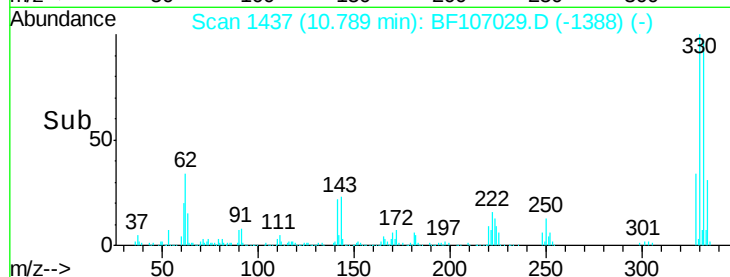
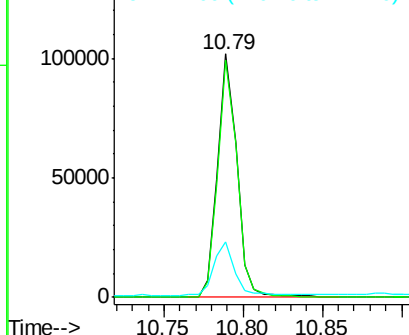
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	86825		
332	97.0	77.0	115.6	
141	22.9	29.9	44.9#	

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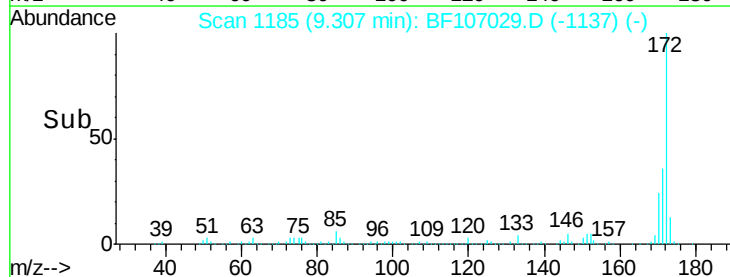
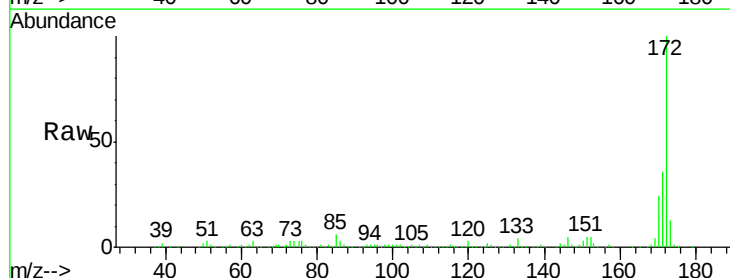
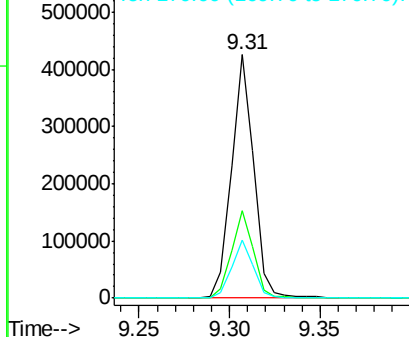
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

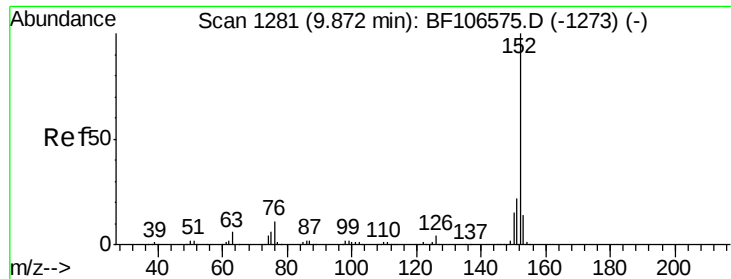


#44
 2-Fluorobiphenyl
 Concen: 49.196 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107029.D
 Acq: 30 Jun 2018 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	364273		
171	35.7	29.7	44.5	
170	23.8	19.6	29.4	

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





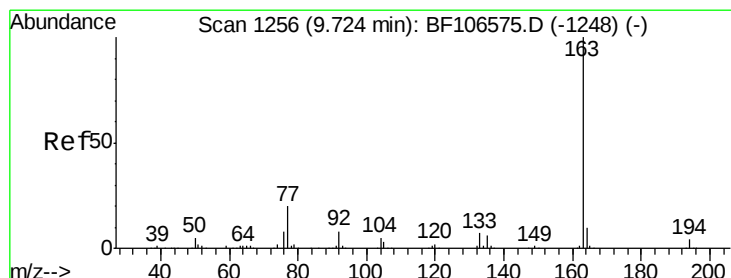
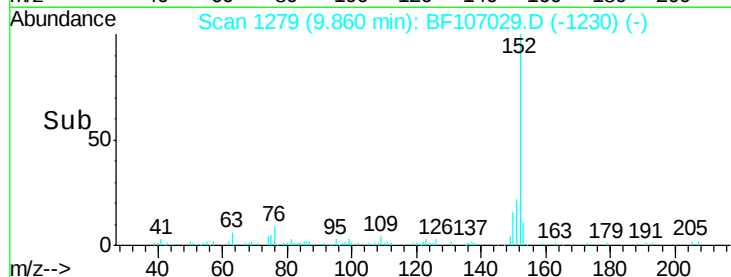
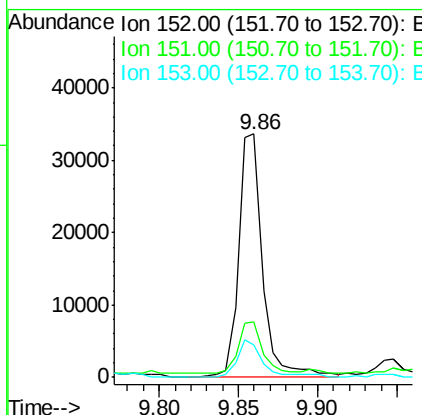
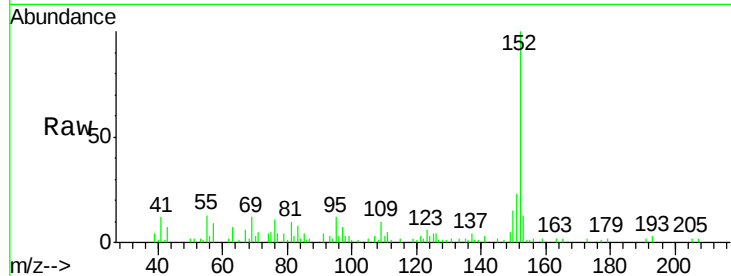
#48
Acenaphthylene
Concen: 3.207 ng
RT: 9.86 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF107029.D
Acq: 30 Jun 2018 21:44

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.9	16.3	24.5
153	13.4	10.7	16.1

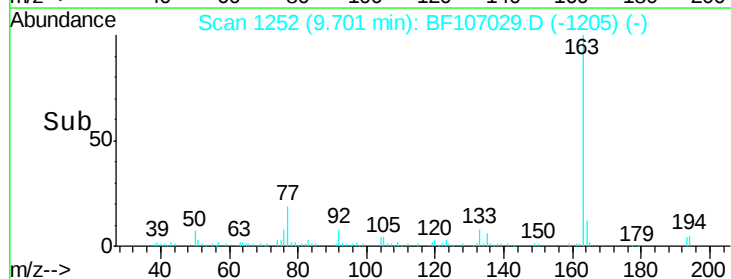
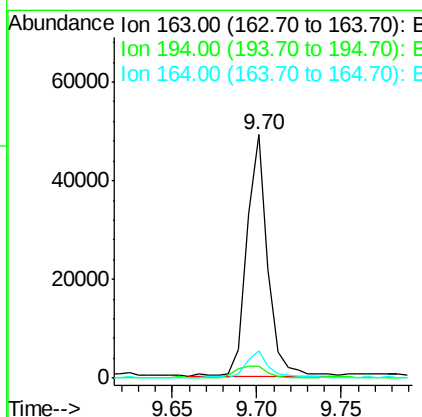
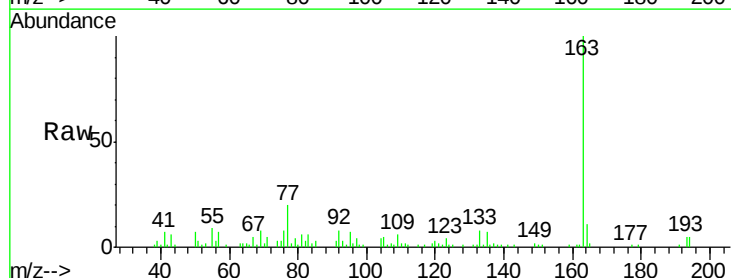
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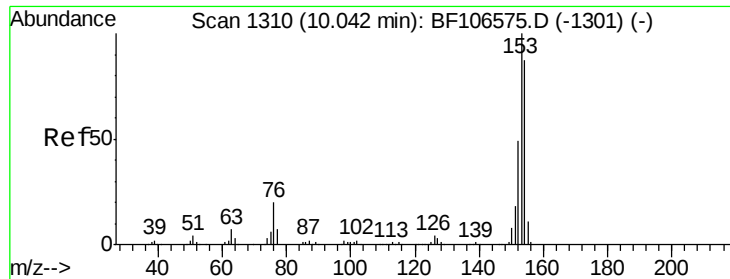
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#49
Dimethylphthalate
Concen: 5.034 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF107029.D
Acq: 30 Jun 2018 21:44

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	2.7	4.1#
164	11.4	8.2	12.2





#51

Acenaphthene

Concen: 3.928 ng

RT: 10.02 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BF107029.D

Acq: 30 Jun 2018 21:44

Instrument :

BNA_F

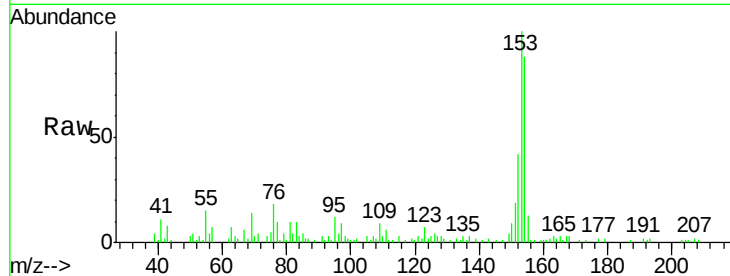
ClientSampled :

P-1

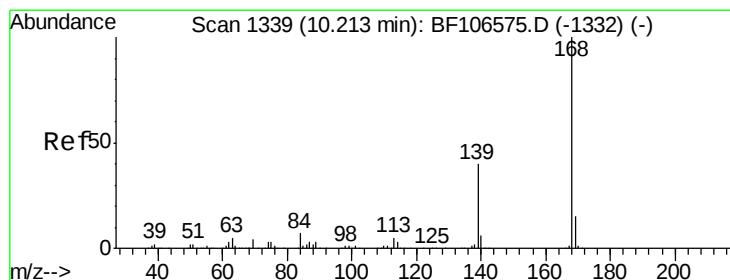
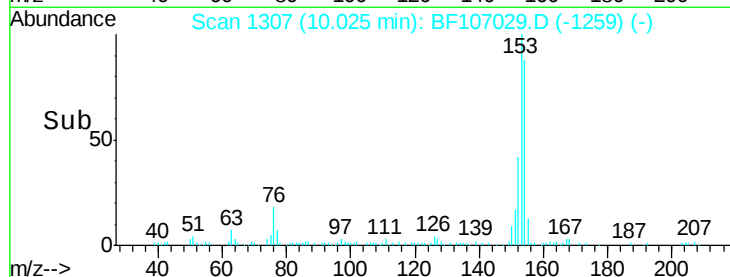
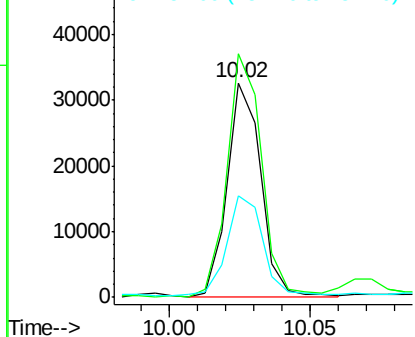
Tgt Ion:	154	Resp:	27263
Ion Ratio	Lower	Upper	
154	100		
153	113.5	91.2	136.8
152	47.3	43.8	65.8

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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



#54

Dibenzofuran

Concen: 2.179 ng

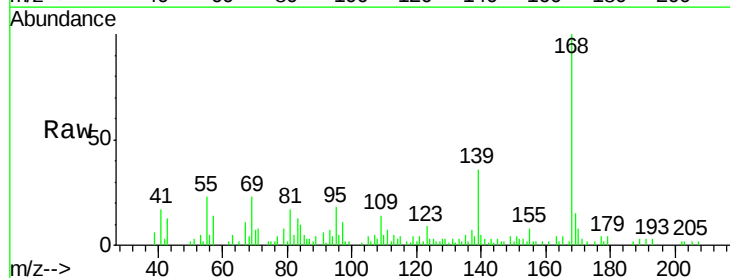
RT: 10.20 min Scan# 1337

Delta R.T. -0.01 min

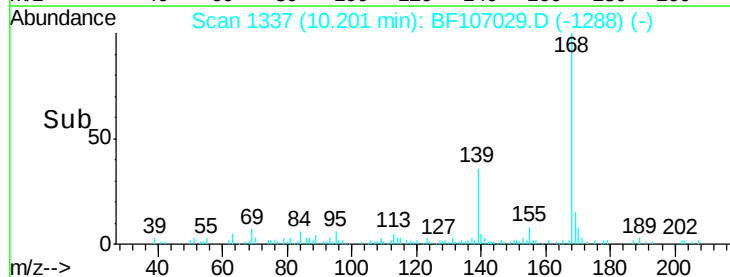
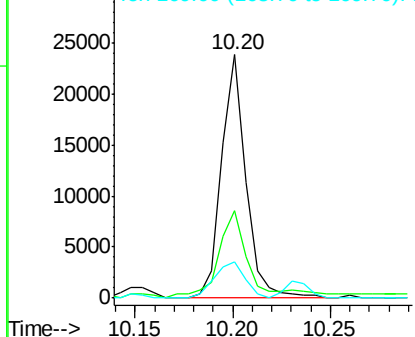
Lab File: BF107029.D

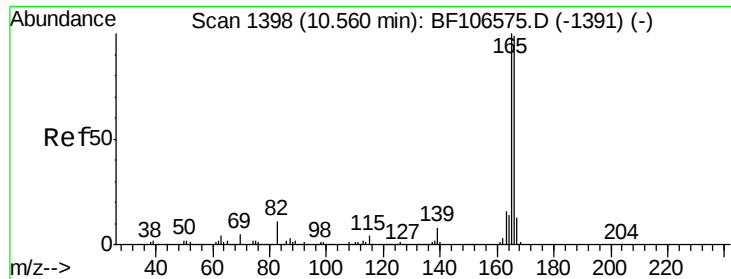
Acq: 30 Jun 2018 21:44

Tgt Ion:	168	Resp:	20703
Ion Ratio	Lower	Upper	
168	100		
139	35.9	30.1	45.1
169	15.0	10.9	16.3



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





#57

Fluorene

Concen: 4.484 ng

RT: 10.54 min Scan# 1395

Delta R.T. -0.02 min

Lab File: BF107029.D

Acq: 30 Jun 2018 21:44

Instrument :

BNA_F

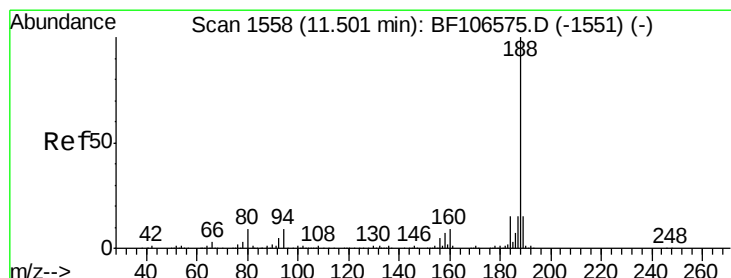
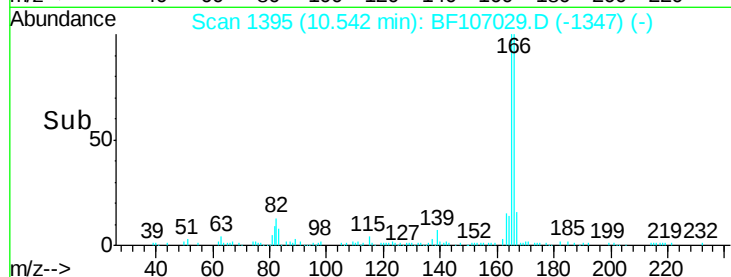
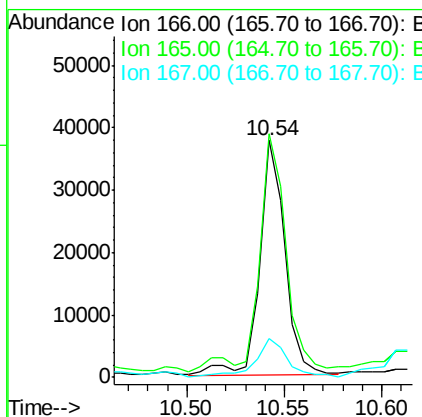
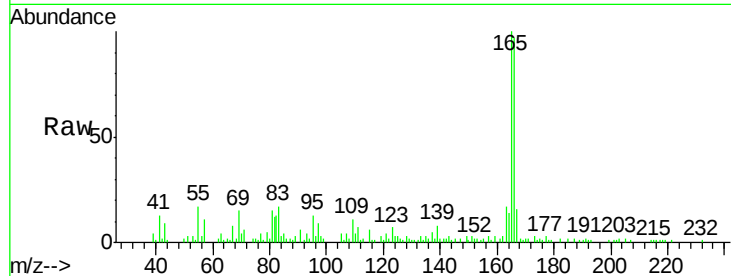
ClientSampled :

P-1

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	33817		
165	102.8	79.8	119.8	
167	16.1	10.6	16.0#	

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#63

Phenanthrene-d10

Concen: 20.000 ng

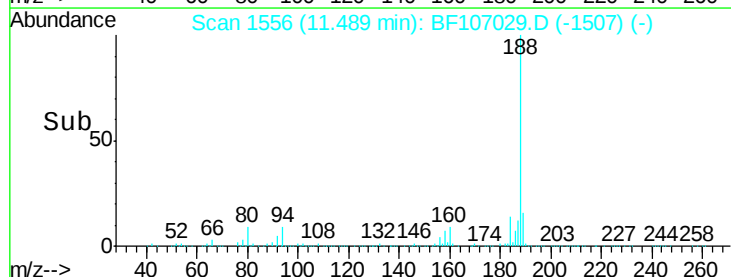
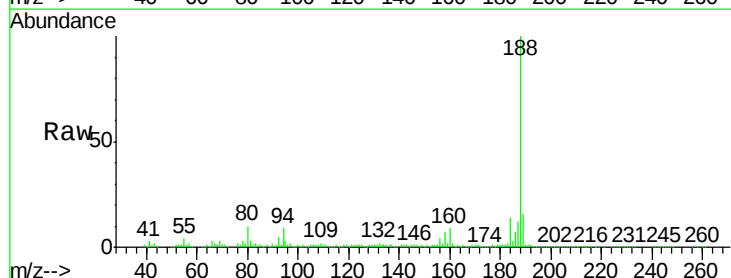
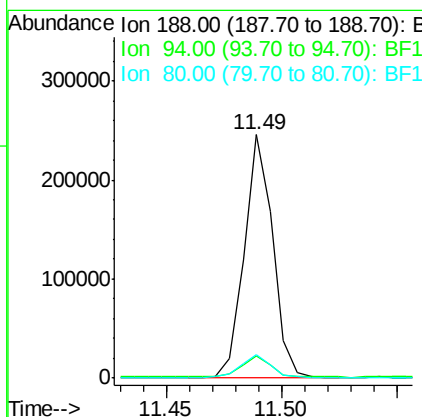
RT: 11.49 min Scan# 1556

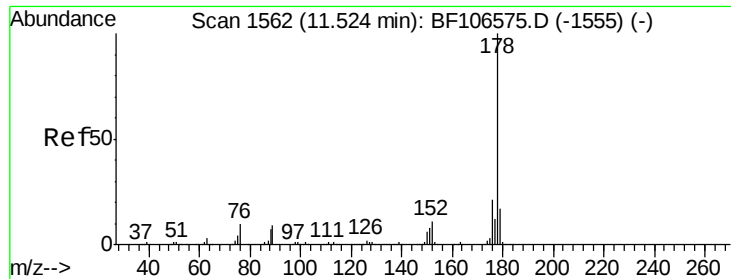
Delta R.T. -0.01 min

Lab File: BF107029.D

Acq: 30 Jun 2018 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	210661		
94	9.2	8.5	12.7	
80	9.7	9.2	13.8	





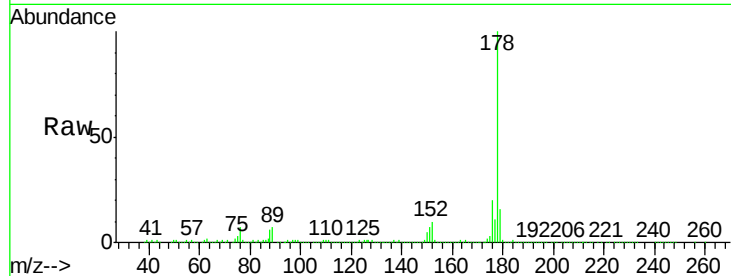
#70
Phenanthrene
Concen: 51.365 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF107029.D
Acq: 30 Jun 2018 21:44

Instrument :
BNA_F
ClientSampleId :
P-1

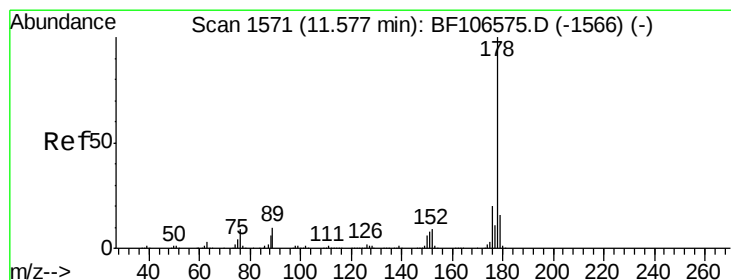
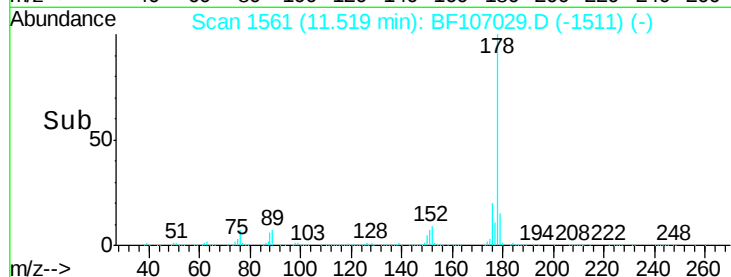
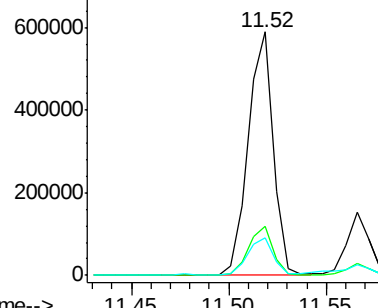
Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	15.6	13.0	19.6

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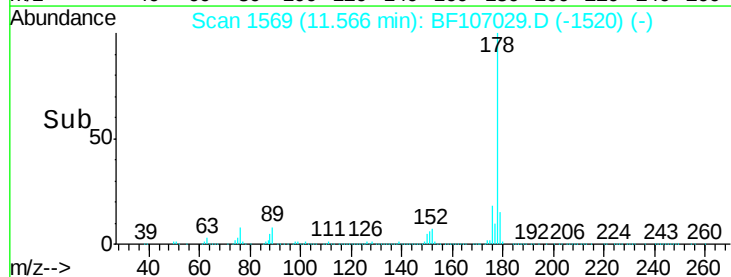
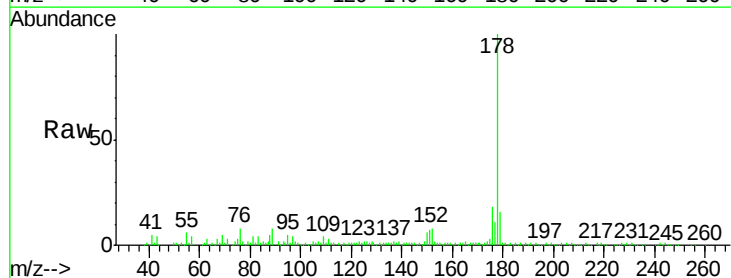
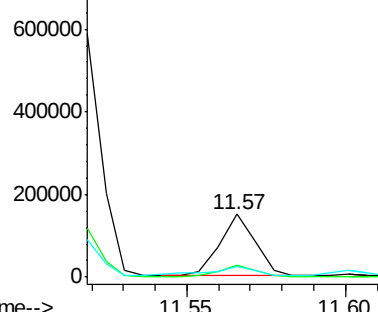
Abundance Ion 178.00 (177.70 to 178.70): E
800000
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

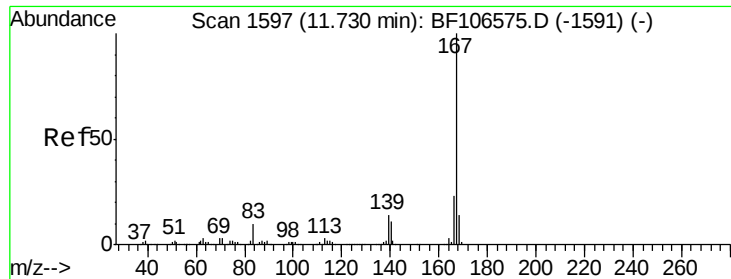


#71
Anthracene
Concen: 11.234 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF107029.D
Acq: 30 Jun 2018 21:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	16.0	12.6	19.0

Abundance Ion 178.00 (177.70 to 178.70): E
800000
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





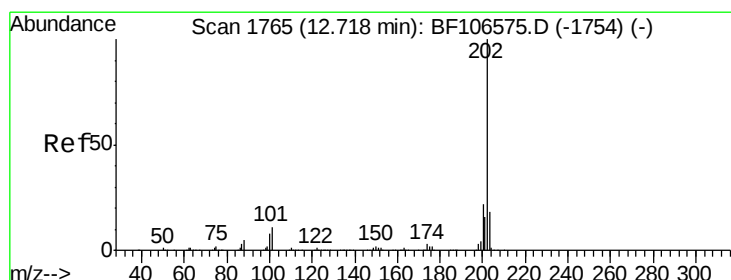
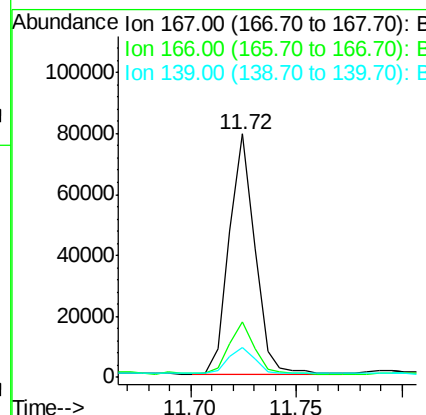
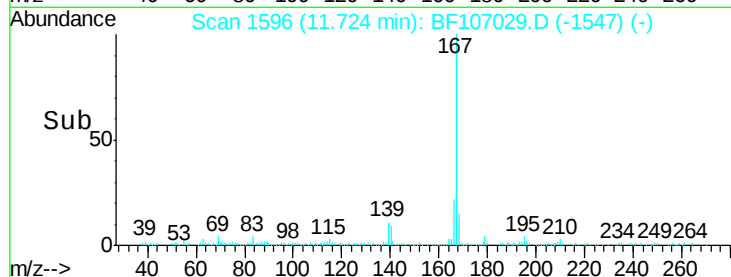
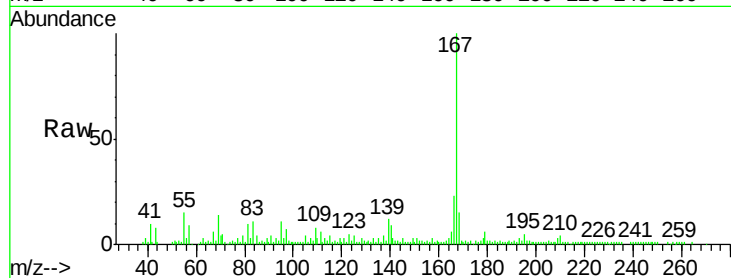
#72
 Carbazole
 Concen: 6.919 ng
 RT: 11.72 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF107029.D
 Acq: 30 Jun 2018 21:44

Instrument :
 BNA_F
 ClientSampled :
 P-1

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.6	26.4
139	12.5	10.9	16.3

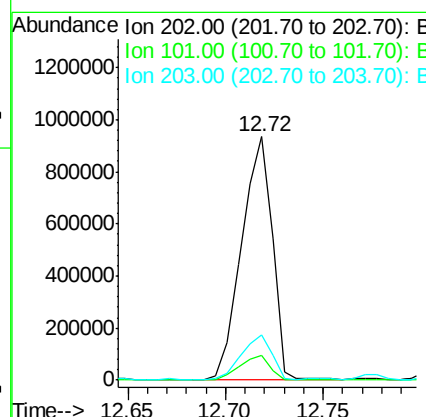
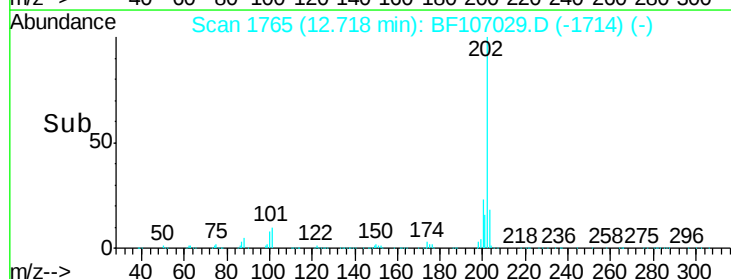
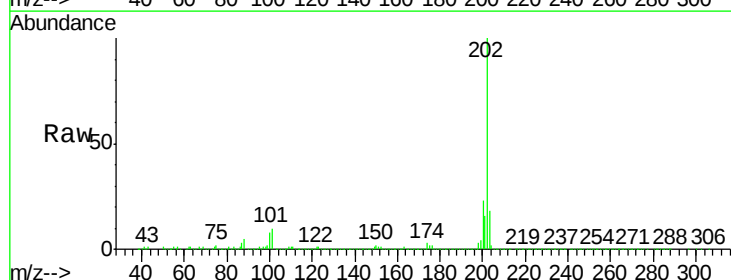
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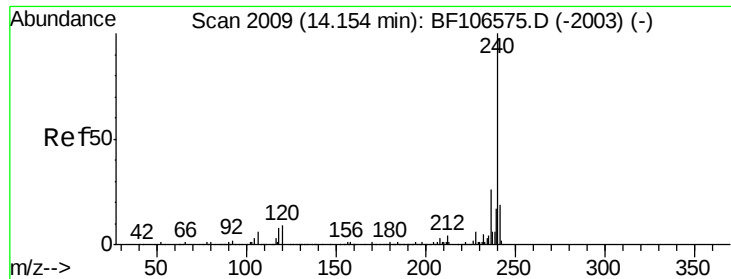
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#74
 Fluoranthene
 Concen: 90.702 ng
 RT: 12.72 min Scan# 1765
 Delta R.T. -0.00 min
 Lab File: BF107029.D
 Acq: 30 Jun 2018 21:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	34.1
203	18.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107029.D

Acq: 30 Jun 2018 21:44

Instrument :

BNA_F

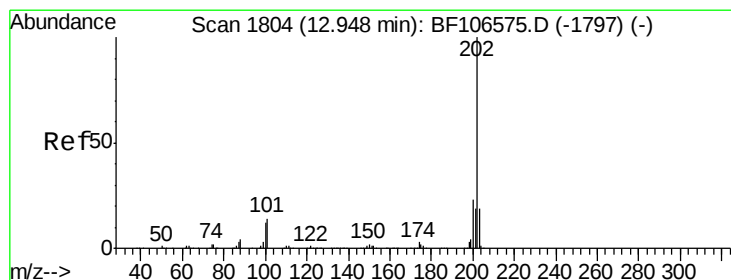
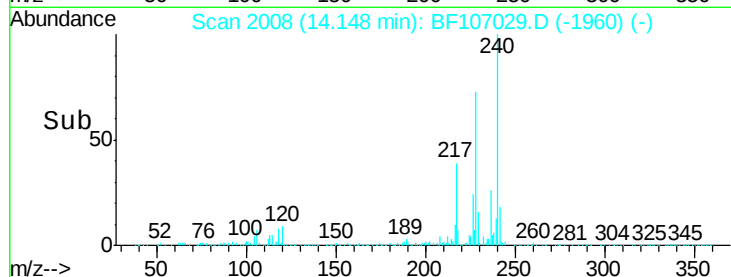
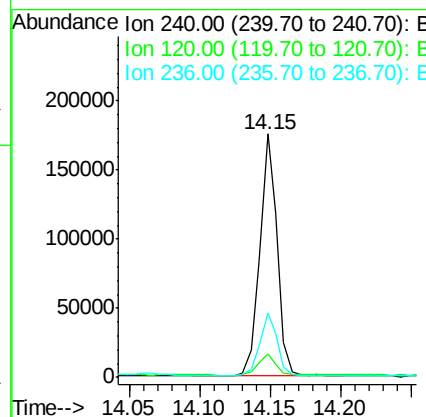
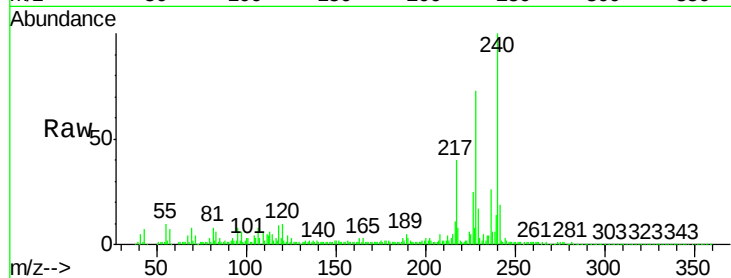
ClientSampleId :

P-1

Tgt	Ion	240	Resp:	151734
	Ratio	100	Lower	Upper
	240	100		
	120	9.7	9.5	14.3
	236	26.3	20.7	31.1

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#77

Pyrene

Concen: 94.243 ng

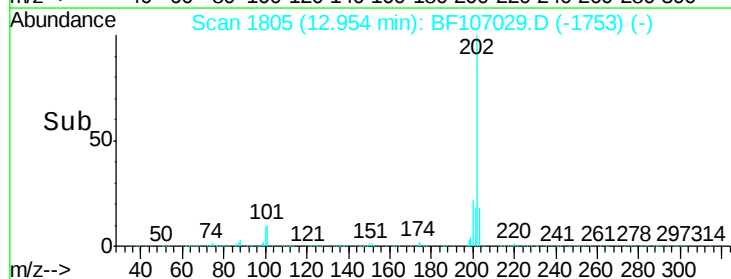
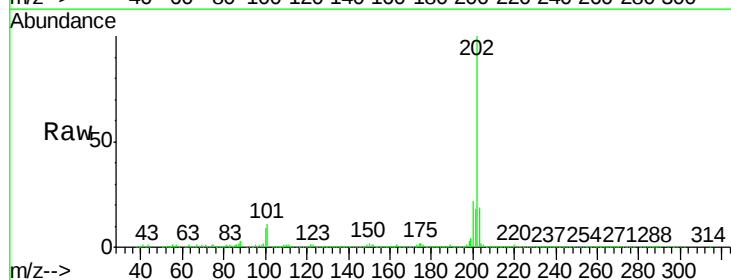
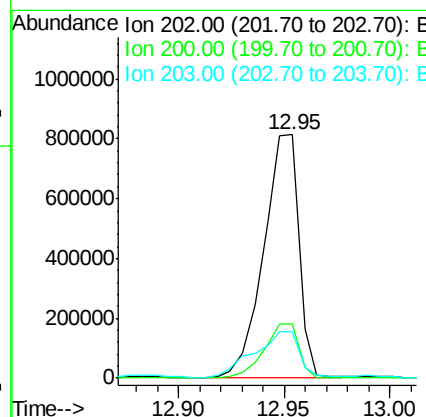
RT: 12.95 min Scan# 1805

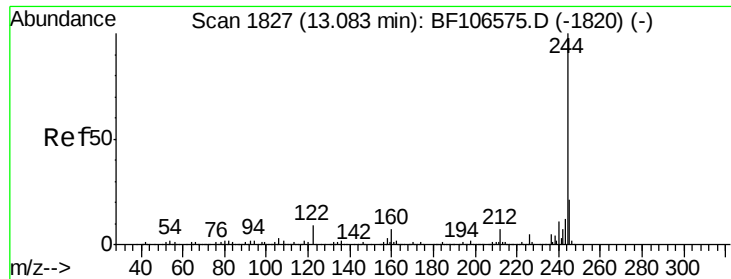
Delta R.T. 0.01 min

Lab File: BF107029.D

Acq: 30 Jun 2018 21:44

Tgt	Ion	202	Resp:	942972
	Ratio	100	Lower	Upper
	202	100		
	200	22.1	17.4	26.2
	203	19.1	14.3	21.5





#78

Terphenyl-d14

Concen: 67.451 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107029.D

Acq: 30 Jun 2018 21:44

Instrument :

BNA_F

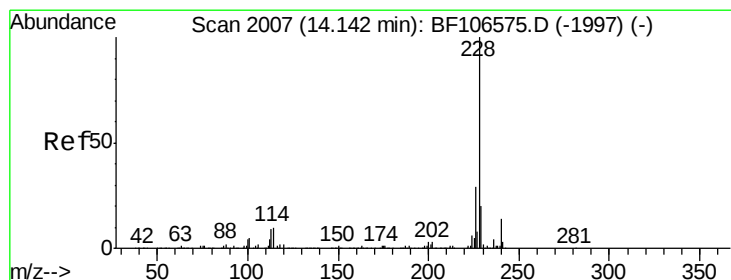
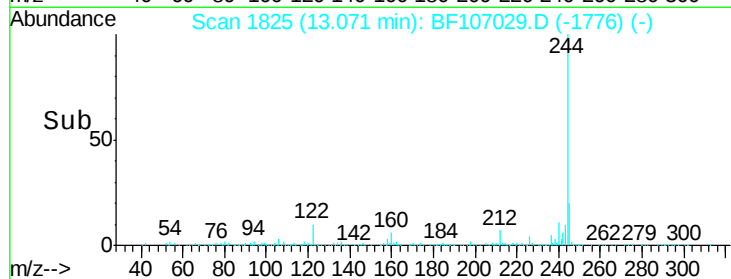
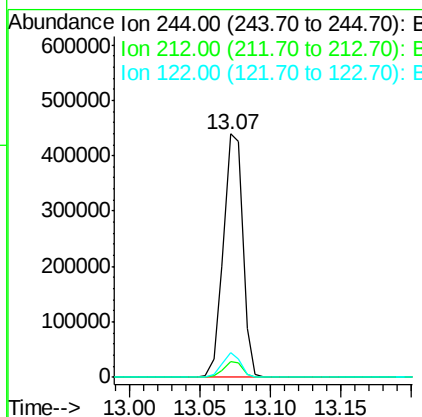
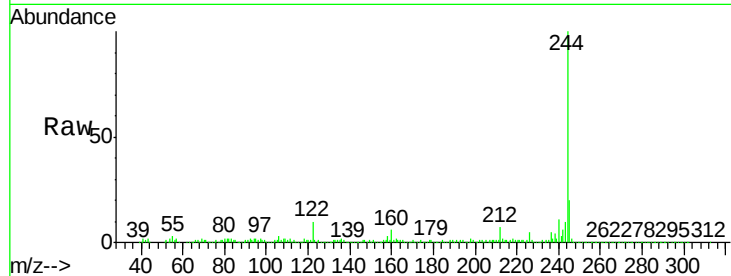
ClientSampled :

P-1

Tgt Ion:	244	Resp:	422515
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	9.9	11.0	16.4#

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#80

Benzo(a)anthracene

Concen: 50.638 ng

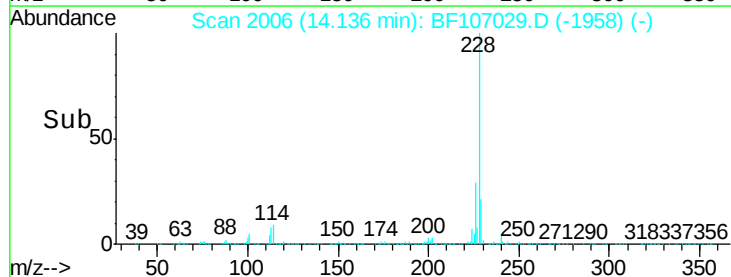
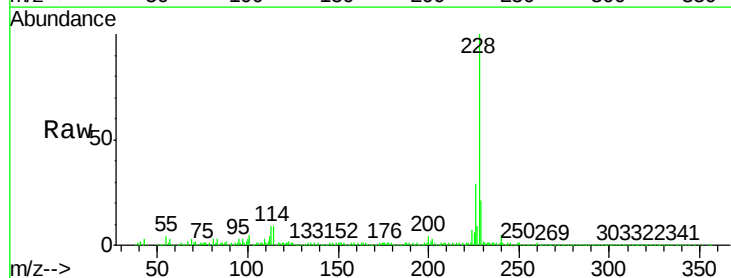
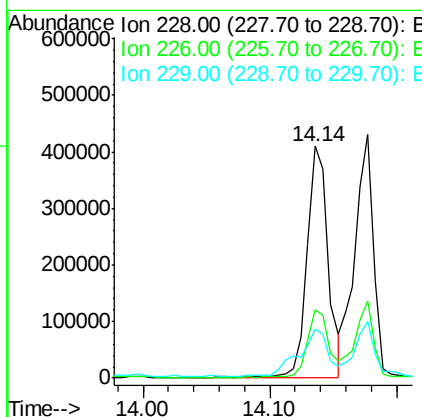
RT: 14.14 min Scan# 2006

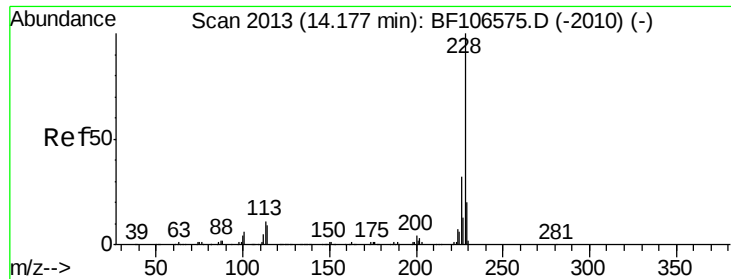
Delta R.T. -0.02 min

Lab File: BF107029.D

Acq: 30 Jun 2018 21:44

Tgt Ion:	228	Resp:	468285
Ion Ratio	Lower	Upper	
228	100		
226	29.3	22.6	33.8
229	21.3	15.8	23.6





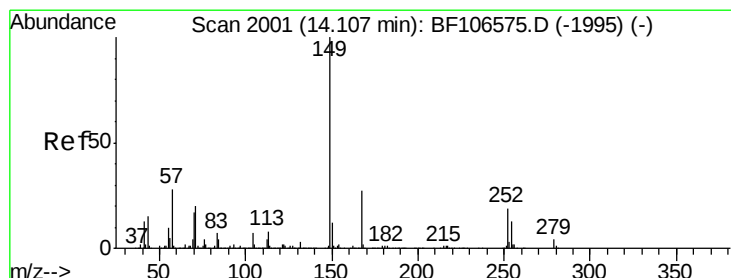
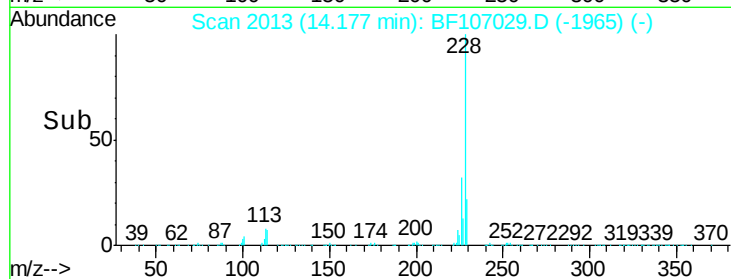
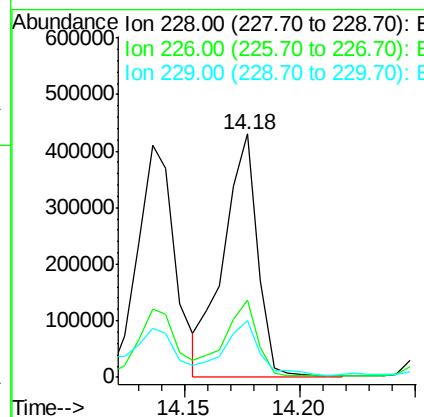
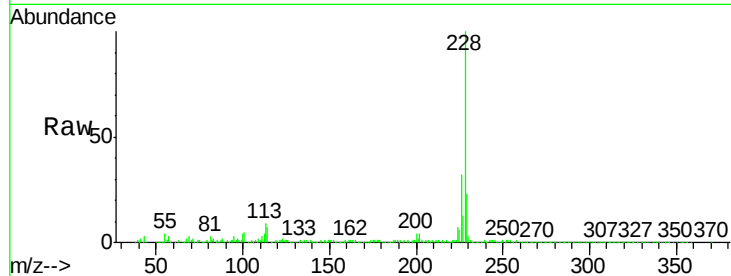
#82
Chrysene
 Concen: 51.454 ng
 RT: 14.18 min Scan# 2013
 Delta R.T. -0.02 min
 Lab File: BF107029.D
 Acq: 30 Jun 2018 21:44

Instrument :
 BNA_F
 ClientSampled :
 P-1

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.0	37.6
229	23.2	16.2	24.4

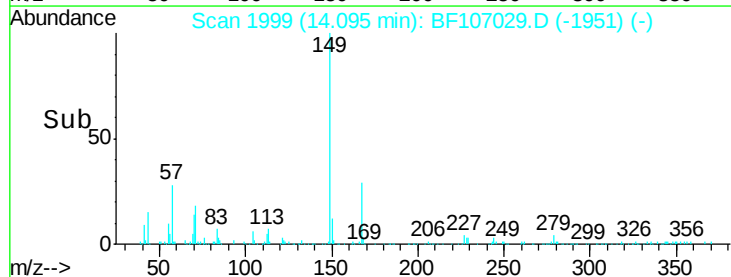
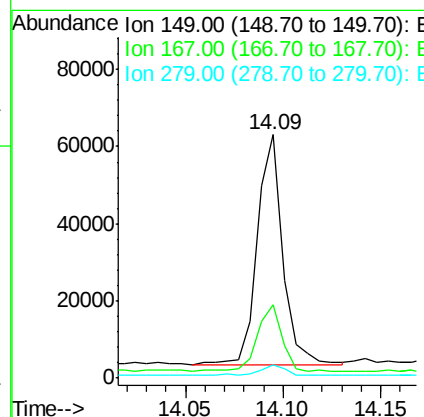
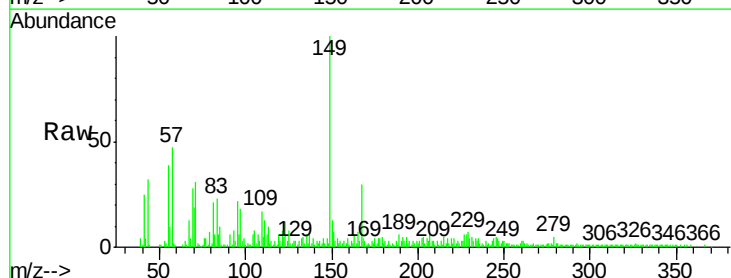
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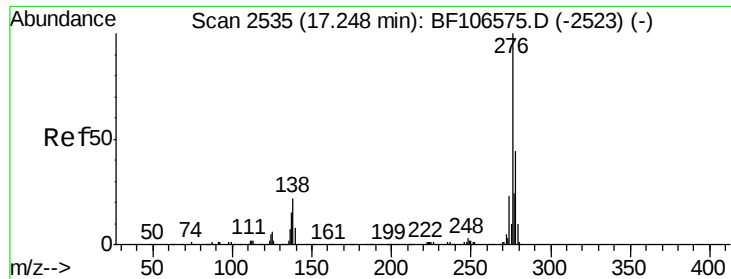
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#83
Bis(2-ethylhexyl)phthalate
 Concen: 10.387 ng
 RT: 14.09 min Scan# 1999
 Delta R.T. -0.02 min
 Lab File: BF107029.D
 Acq: 30 Jun 2018 21:44

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.0	21.3	31.9
279	5.2	3.0	4.4





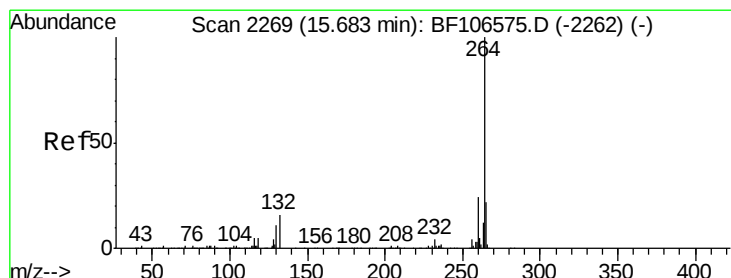
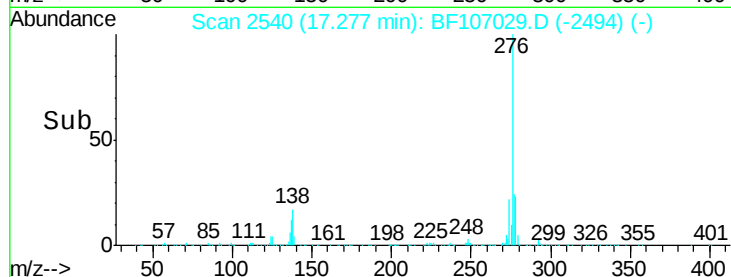
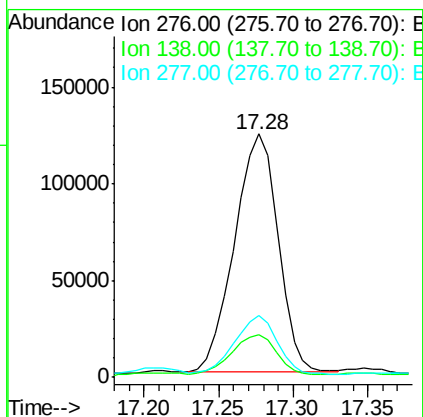
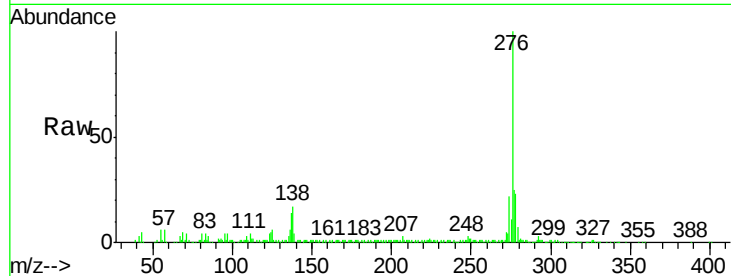
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 34.786 ng
 RT: 17.28 min Scan# 2540
 Delta R.T. -0.03 min
 Lab File: BF107029.D
 Acq: 30 Jun 2018 21:44

Instrument :
 BNA_F
 ClientSampleId :
 P-1

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.6	25.0	37.6#
277	24.2	20.1	30.1

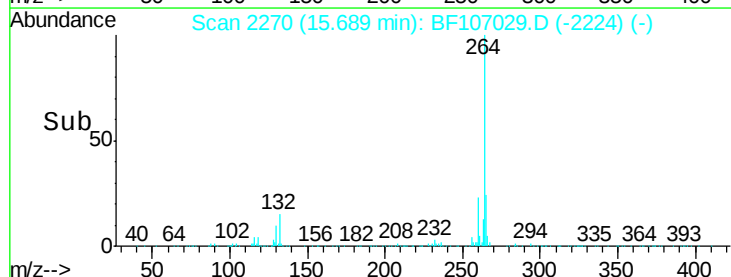
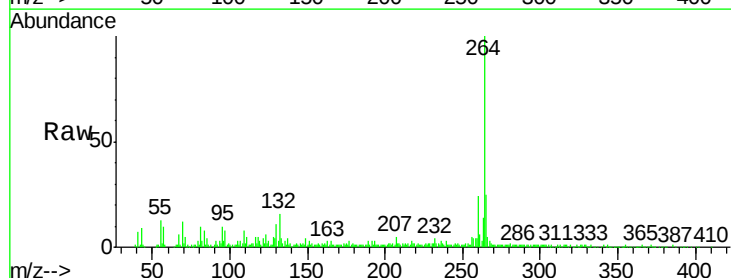
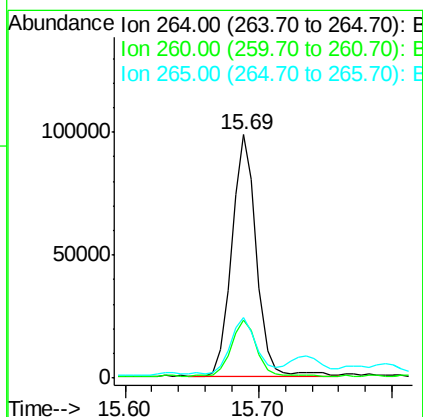
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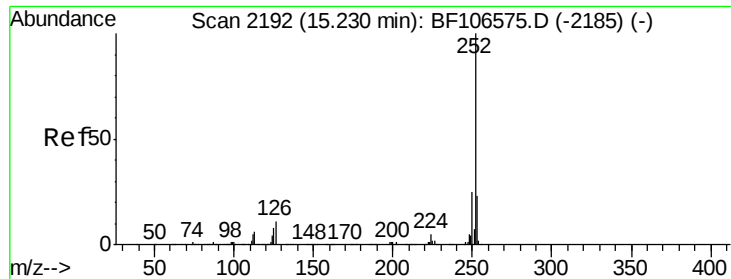
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2270
 Delta R.T. -0.03 min
 Lab File: BF107029.D
 Acq: 30 Jun 2018 21:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	24.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 70.272 ng m

RT: 15.24 min Scan# 2193

Delta R.T. -0.02 min

Lab File: BF107029.D

Acq: 30 Jun 2018 21:44

Instrument :

BNA_F

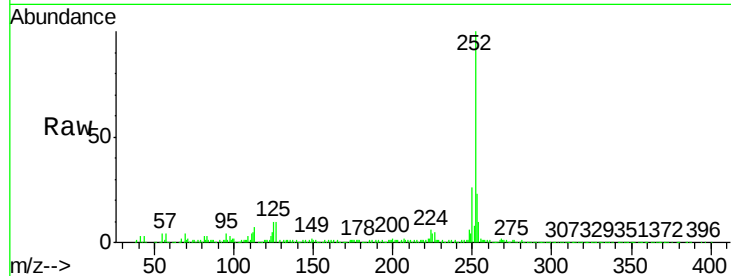
ClientSampleId :

P-1

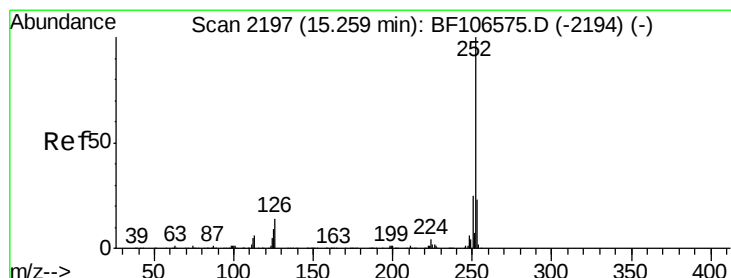
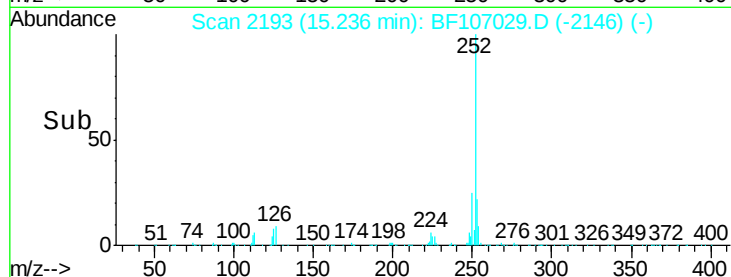
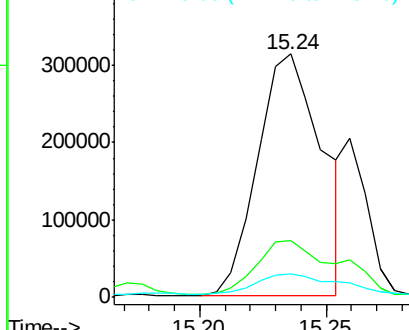
Tgt Ion:	252	Resp:	553470
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.0	25.6
125	9.6	9.0	13.6

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 18.378 ng m

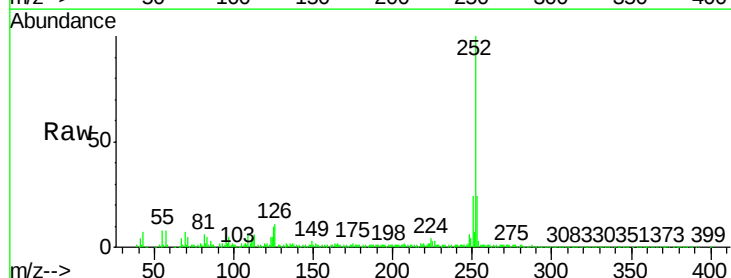
RT: 15.26 min Scan# 2197

Delta R.T. -0.04 min

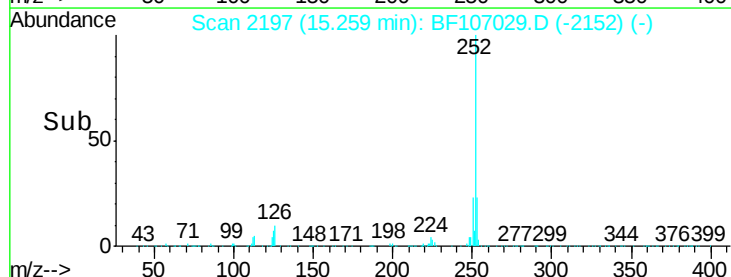
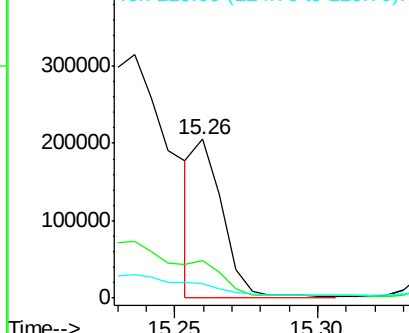
Lab File: BF107029.D

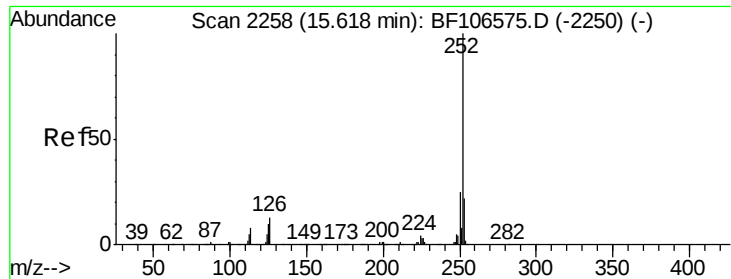
Acq: 30 Jun 2018 21:44

Tgt Ion:	252	Resp:	137841
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.9	26.9
125	9.5	10.2	15.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





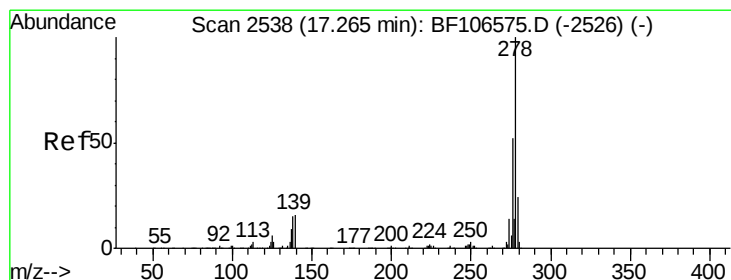
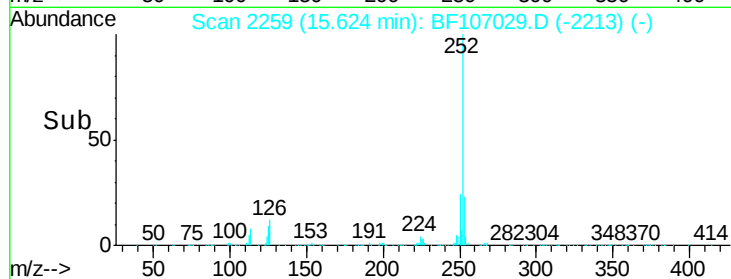
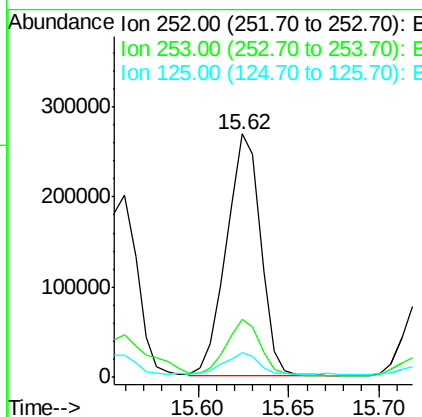
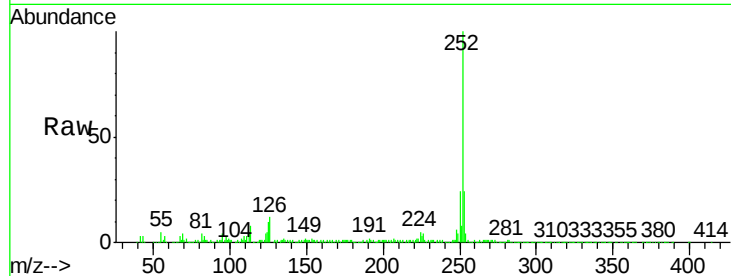
#89
Benzo(a)pyrene
Concen: 50.674 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.03 min
Lab File: BF107029.D
Acq: 30 Jun 2018 21:44

Instrument :
BNA_F
ClientSampleId :
P-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	10.0	9.8	14.6

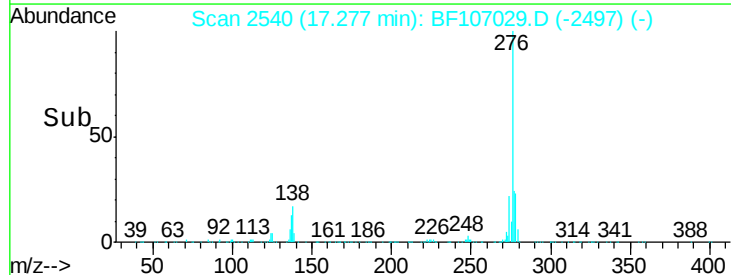
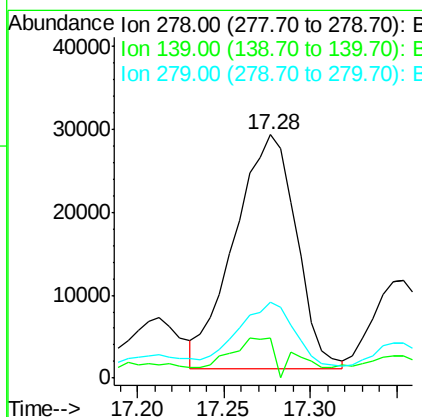
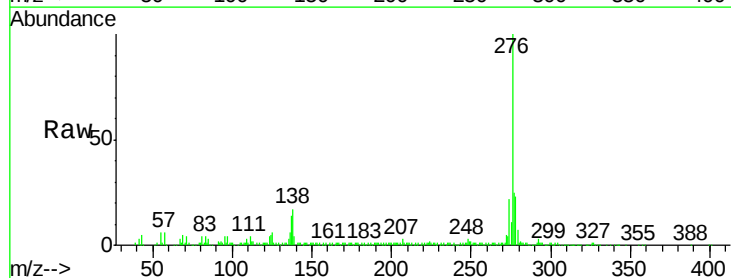
Manual Integrations
APPROVED

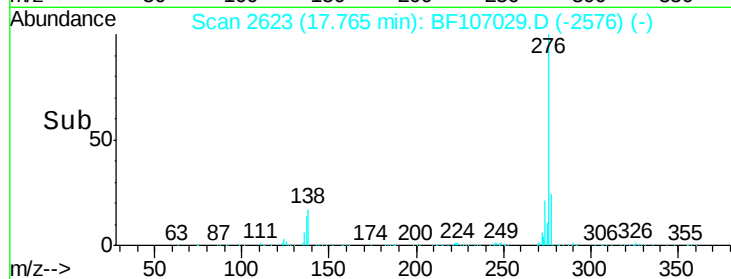
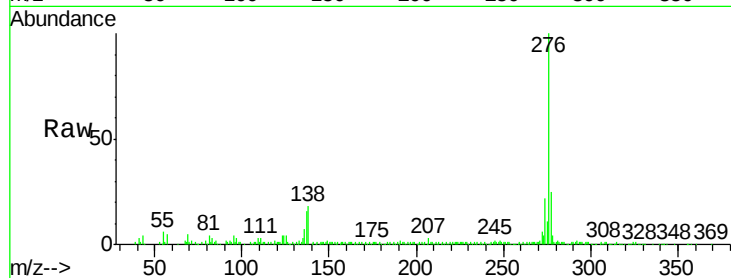
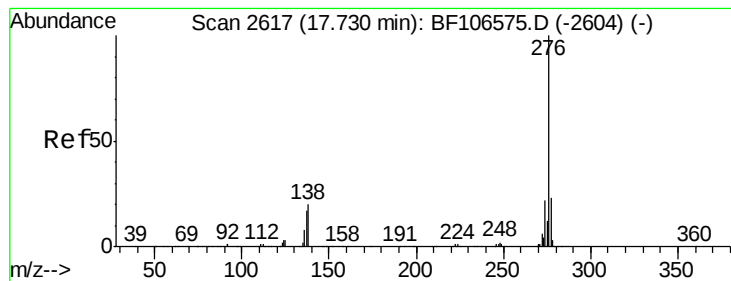
Sohil
7/3/2018 3:04:59 PM



#90
Dibenzo(a,h)anthracene
Concen: 11.801 ng m
RT: 17.28 min Scan# 2540
Delta R.T. -0.05 min
Lab File: BF107029.D
Acq: 30 Jun 2018 21:44

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.6	15.9	23.9
279	31.4	19.0	28.4#





#91

Benzo(g,h,i)perylene

Concen: 43.676 ng

RT: 17.77 min Scan# 2623

Delta R.T. -0.02 min

Lab File: BF107029.D

Acq: 30 Jun 2018 21:44

Instrument :

BNA_F

ClientSampleId :

P-1

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		253312		
277	24.8	17.9	26.9		
138	17.7	21.8	32.8#		

Manual Integrations
APPROVED

Sohil
7/3/2018 3:04:59 PM

