

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062518\
 Data File : BF106763.D
 Acq On : 25 Jun 2018 11:32
 Operator : JU/SJ
 Sample : J3246-03DL 4X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-062018DL

Manual Integrations
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Sohil
 6/27/2018 10:55:30 AM

Quant Time: Jun 25 14:05:07 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 22 11:34:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	49727	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	202054	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	104323	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	200167	20.00	ng	0.00
75) Chrysene-d12	14.15	240	160418	20.00	ng	0.00
86) Perylene-d12	15.70	264	172130	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	72219	24.59	ng	0.00
7) Phenol-d6	6.60	99	93849	25.59	ng	-0.01
23) Nitrobenzene-d5	7.52	82	55789	15.34	ng	-0.01
41) 2,4,6-Tribromophenol	10.79	330	29863	24.70	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	129029	7.48	ng	-0.01
78) Terphenyl-d14	13.07	244	136864	20.67	ng	-0.01
Target Compounds						
31) Naphthalene	8.26	128	40095	4.244	ng	98
37) 2-Methylnaphthalene	8.95	142	29535	4.717	ng	92
51) Acenaphthene	10.03	154	44622	6.858	ng	97
54) Dibenzofuran	10.20	168	42954	4.821	ng	94
57) Fluorene	10.55	166	72898	10.311	ng	99
70) Phenanthrene	11.52	178	520545	53.918	ng	99
71) Anthracene	11.57	178	128847	13.075	ng	99
72) Carbazole	11.72	167	74317	8.055	ng	98
74) Fluoranthene	12.71	202	521414	49.000	ng	96
77) Pyrene	12.95	202	456243	43.129	ng	100
80) Benzo(a)anthracene	14.14	228	216221	22.115	ng	99
82) Chrysene	14.18	228	202796	22.546	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	105060	13.763	ng	# 87
87) Benzo(b)fluoranthene	15.24	252	259586m	24.277	ng	
88) Benzo(k)fluoranthene	15.27	252	91124m	8.949	ng	
89) Benzo(a)pyrene	15.64	252	194933m	20.507	ng	
90) Dibenzo(a,h)anthracene	17.28	278	25401	3.153	ng	# 92
91) Benzo(g,h,i)perylene	17.75	276	96772	12.290	ng	# 89

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

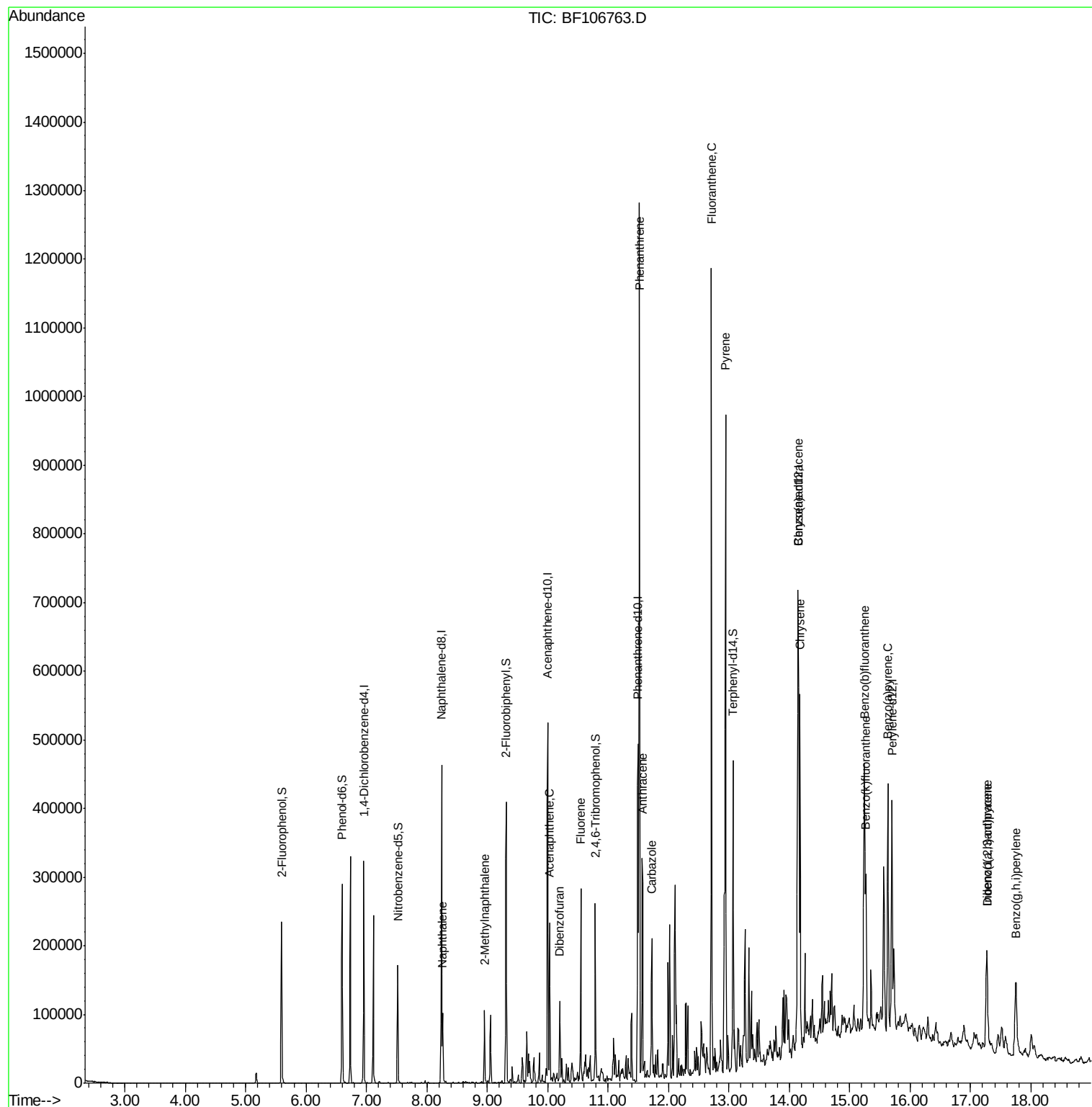
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062518\
Data File : BF106763.D
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ALS Vial : 5 Sample Multiplier: 1

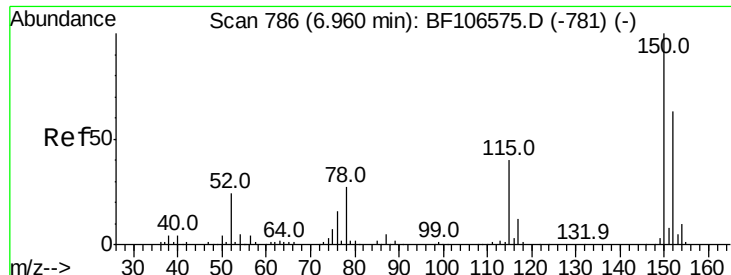
Instrument :
BNA_F
ClientSampleId :
OK-01-062018DL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

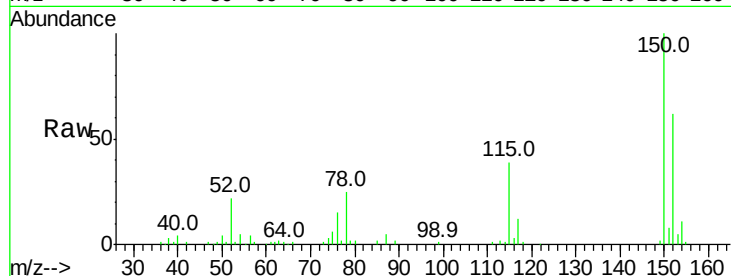
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF106763.D
Acq: 25 Jun 2018 11:32

Instrument :
BNA_F
ClientSampleId :
OK-01-062018DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	124.6	186.8
115	62.0	50.1	75.1

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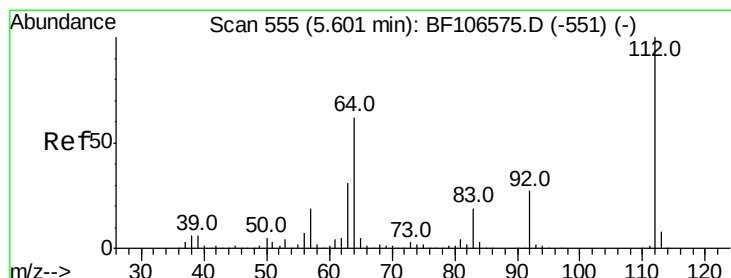
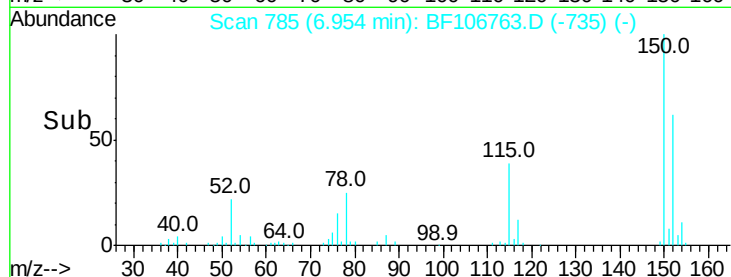
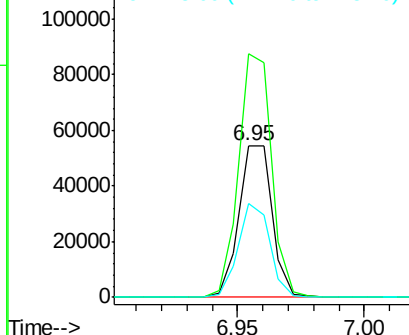


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

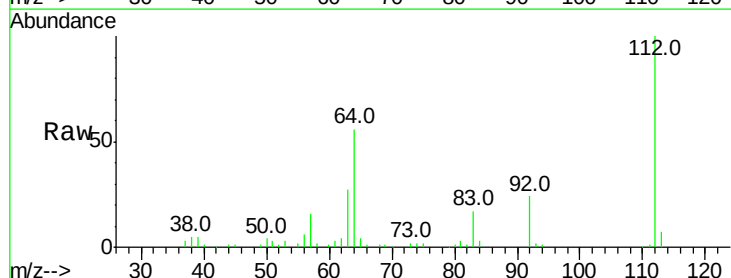
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 24.592 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF106763.D
Acq: 25 Jun 2018 11:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	47.9	71.9
63	27.3	23.7	35.5

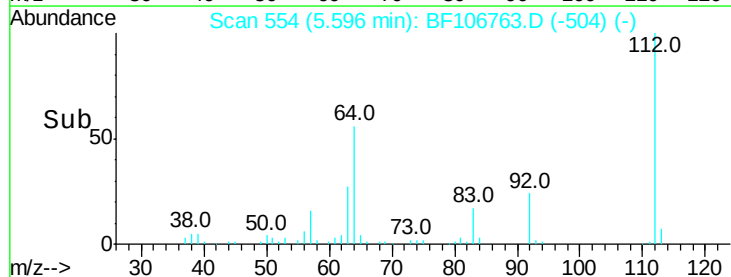
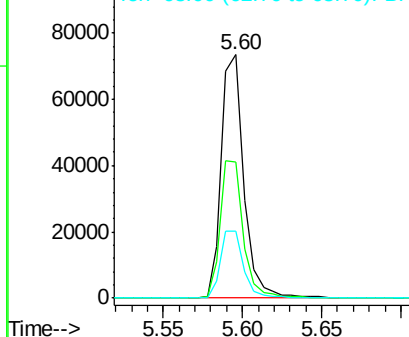


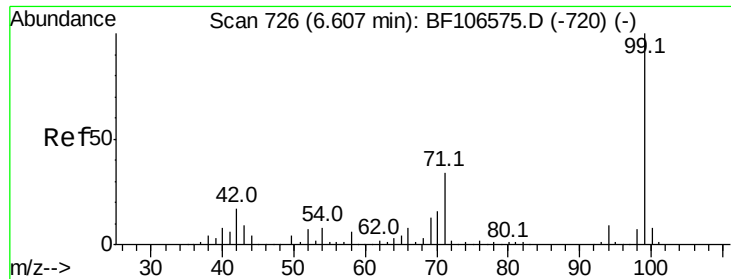
Abundance

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: 25.591 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF106763.D

Acq: 25 Jun 2018 11:32

Instrument :

BNA_F

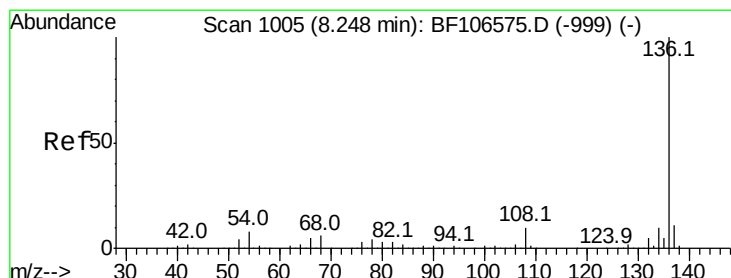
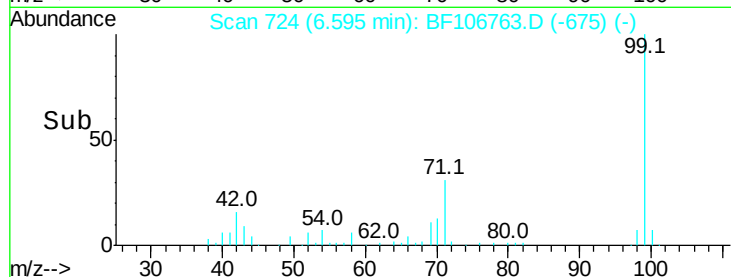
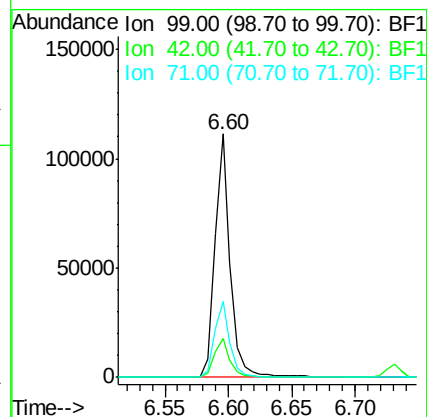
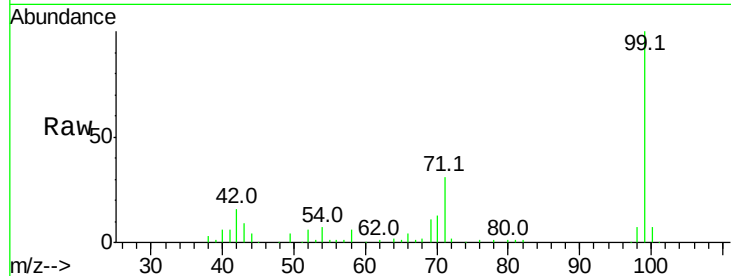
ClientSampleId :

OK-01-062018DL

Tot Ion:	99	Resp:	93849
Ion Ratio	Lower	Upper	
99	100		
42	15.8	14.5	21.7
71	31.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

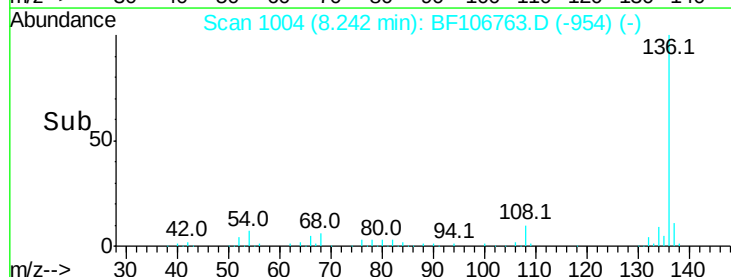
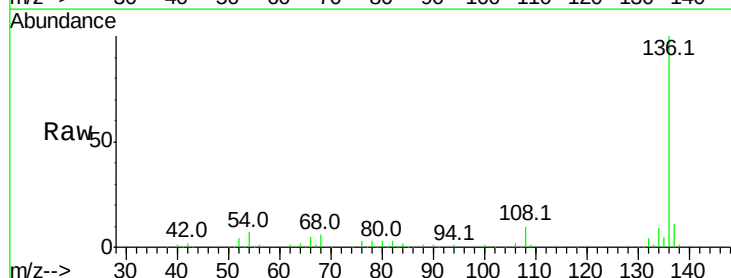
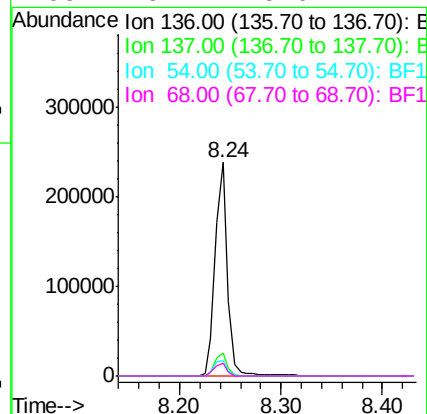
RT: 8.24 min Scan# 1004

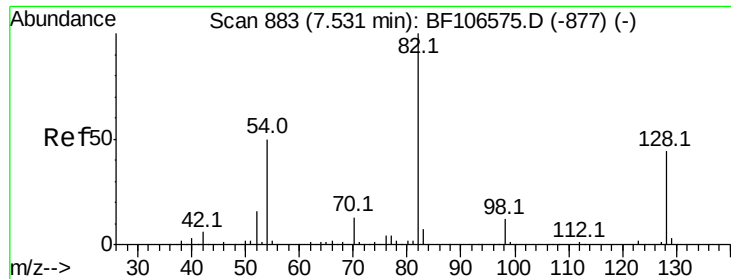
Delta R.T. -0.01 min

Lab File: BF106763.D

Acq: 25 Jun 2018 11:32

Tgt Ion:	136	Resp:	202054
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	7.4	6.6	9.8
68	5.7	5.0	7.4





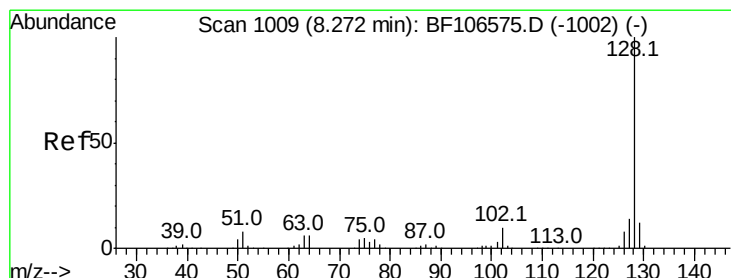
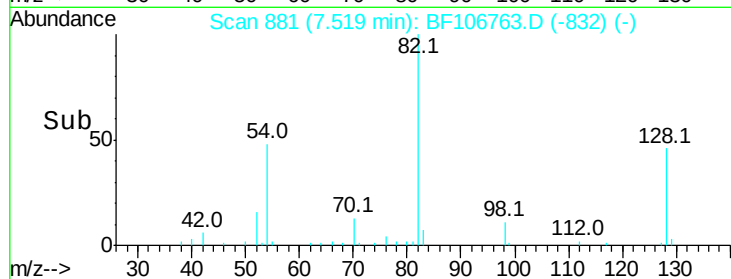
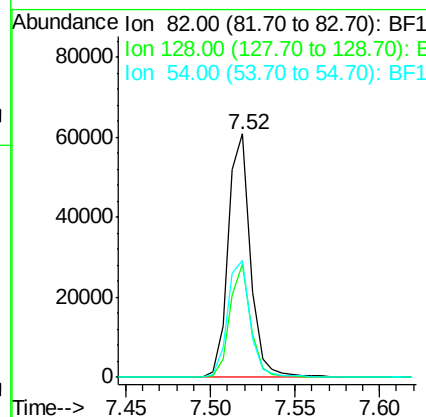
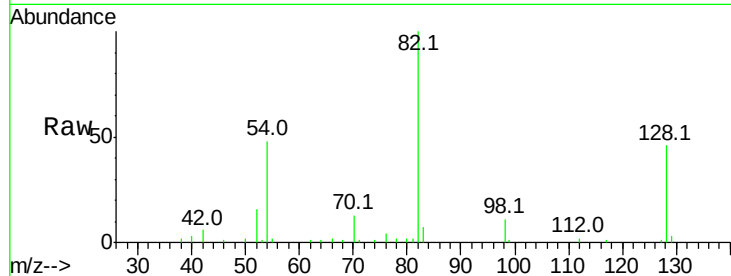
#23
Nitrobenzene-d5
Concen: 15.344 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF106763.D
Acq: 25 Jun 2018 11:32

Instrument :
BNA_F
ClientSampleId :
OK-01-062018DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.1	54.1
54	48.0	41.4	62.2

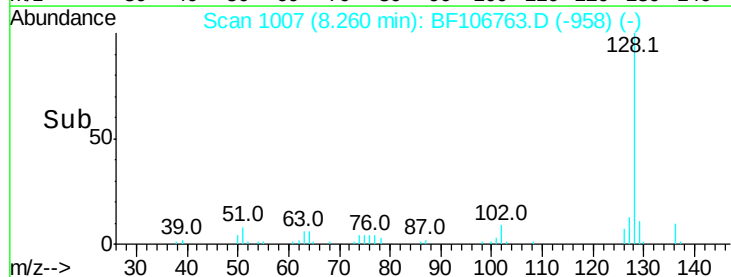
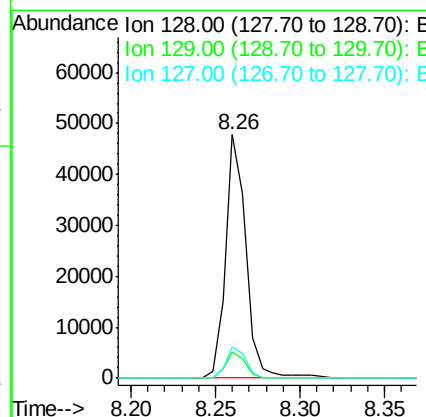
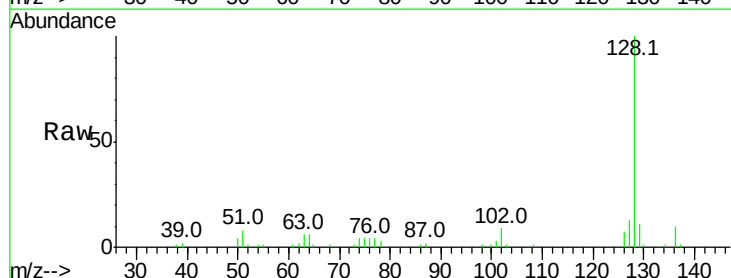
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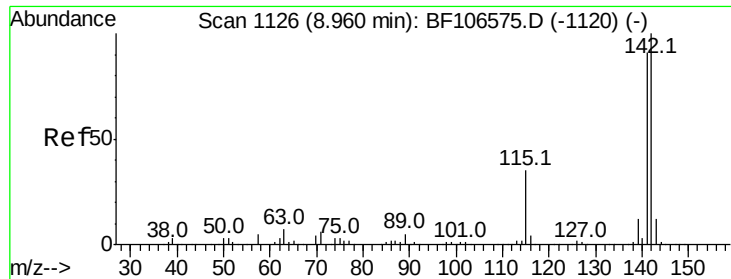
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#31
Naphthalene
Concen: 4.244 ng
RT: 8.26 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF106763.D
Acq: 25 Jun 2018 11:32

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.6	10.9	16.3





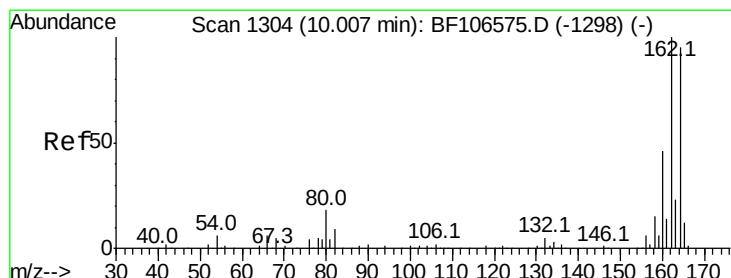
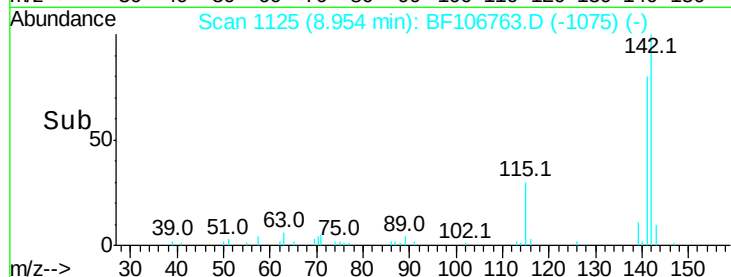
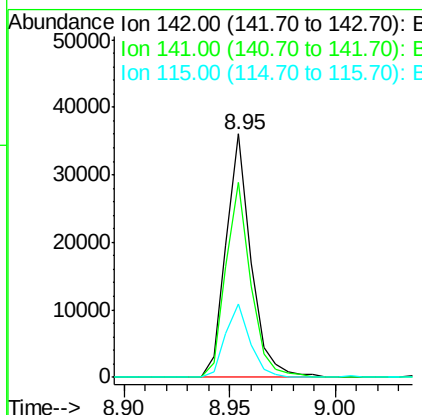
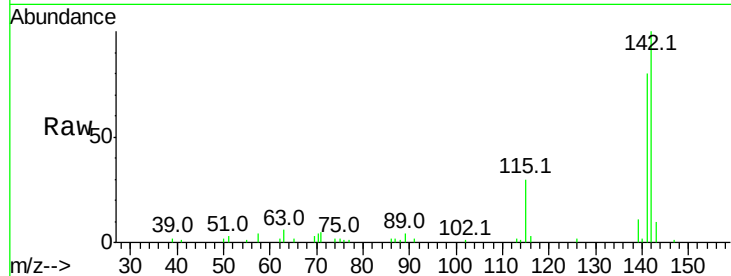
#37
2-Methylnaphthalene
Concen: 4.717 ng
RT: 8.95 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF106763.D
Acq: 25 Jun 2018 11:32

Instrument :
BNA_F
ClientSampleId :
OK-01-062018DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	80.1	70.8	106.2
115	30.0	26.1	39.1

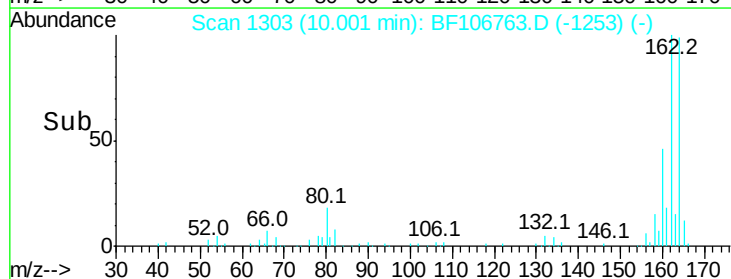
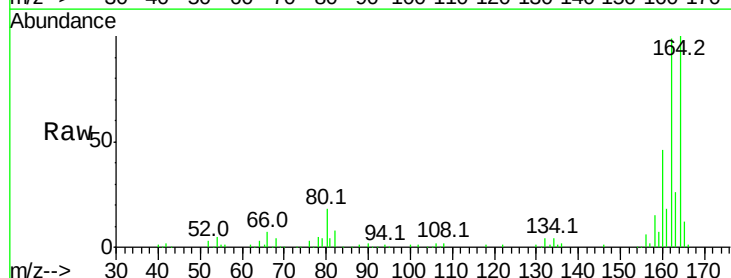
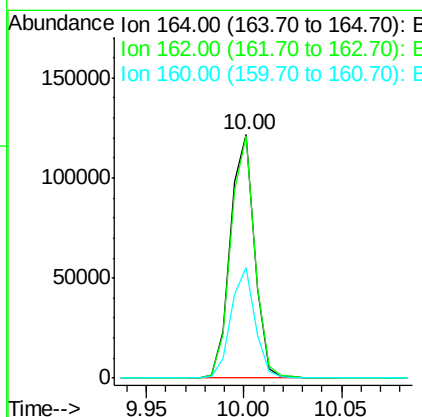
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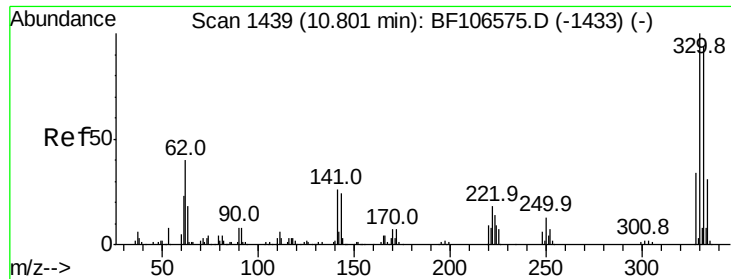
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106763.D
Acq: 25 Jun 2018 11:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.5	86.1	129.1
160	45.6	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 24.698 ng

RT: 10.79 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF106763.D

Acq: 25 Jun 2018 11:32

Instrument :

BNA_F

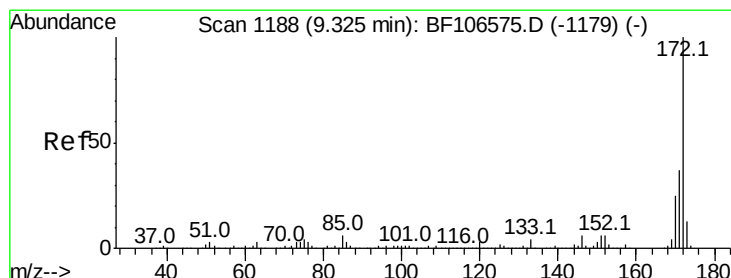
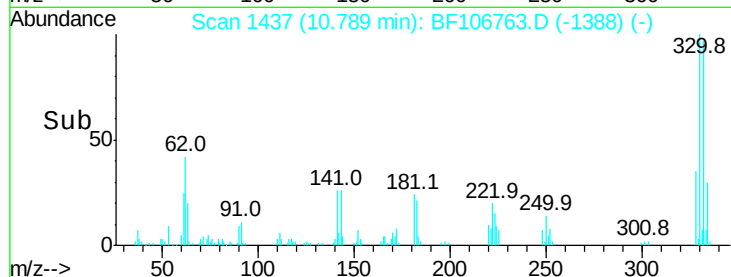
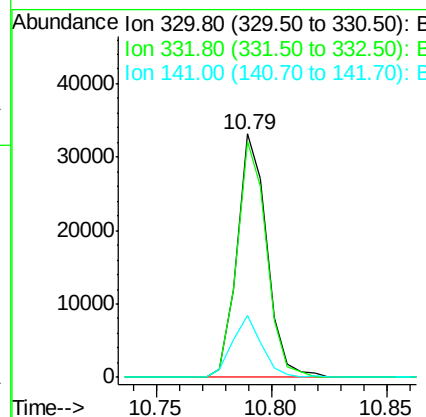
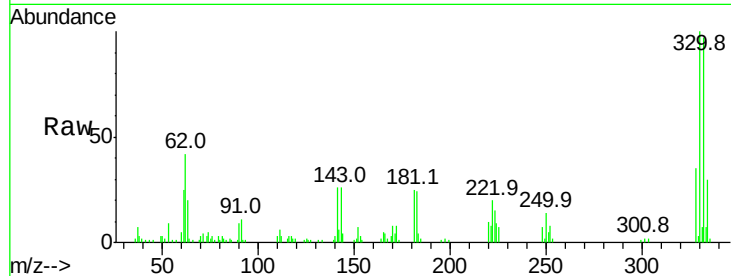
ClientSampleId :

OK-01-062018DL

Tot Ion:	330	Resp:	29863
Ion Ratio	Lower	Upper	
330	100		
332	95.9	77.0	115.6
141	25.4	29.9	44.9#

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#44

2-Fluorobiphenyl

Concen: 7.482 ng

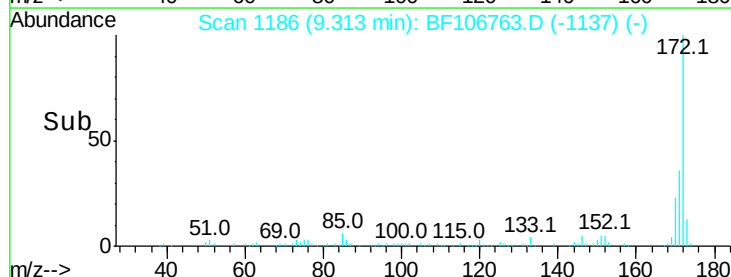
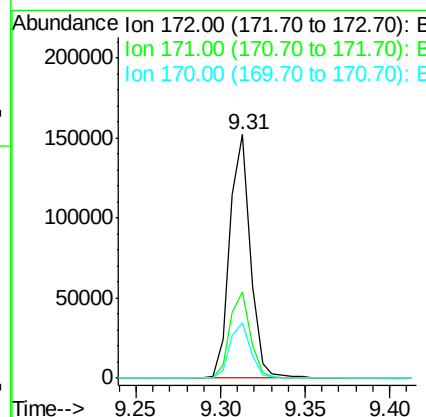
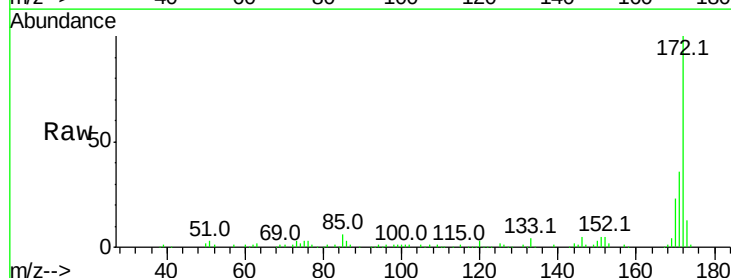
RT: 9.31 min Scan# 1186

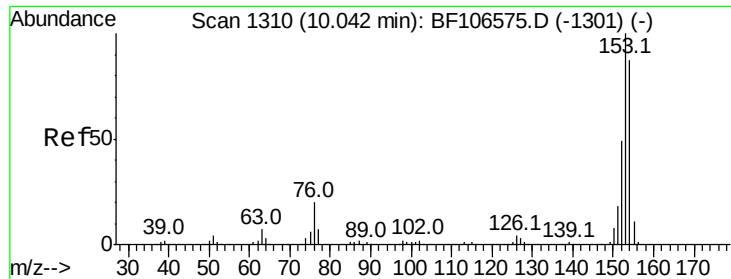
Delta R.T. -0.01 min

Lab File: BF106763.D

Acq: 25 Jun 2018 11:32

Tgt Ion:	172	Resp:	129029
Ion Ratio	Lower	Upper	
172	100		
171	35.6	29.7	44.5
170	22.6	19.6	29.4





#51

Acenaphthene

Concen: 6.858 ng

RT: 10.03 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF106763.D

Acq: 25 Jun 2018 11:32

Instrument :

BNA_F

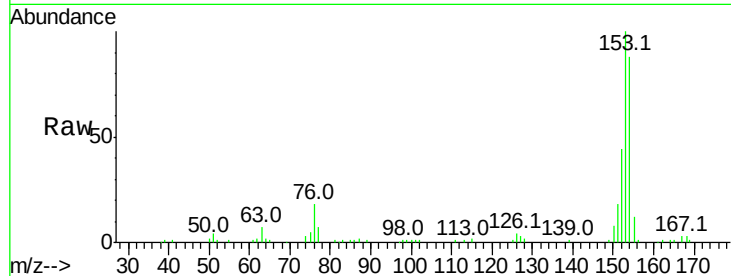
ClientSampleId :

OK-01-062018DL

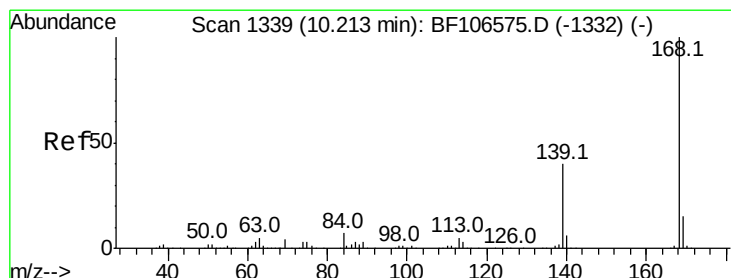
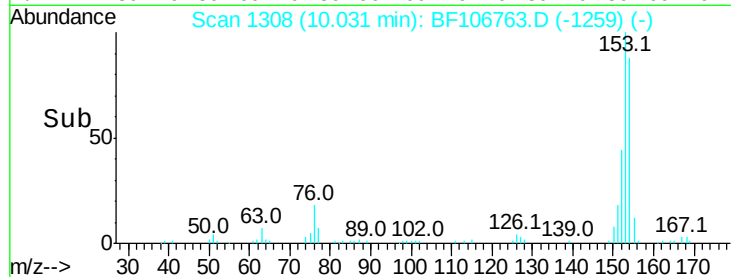
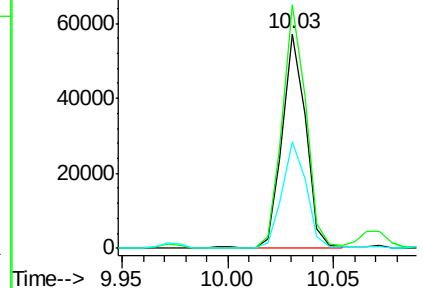
Tot Ion:	154	Resp:	44622
Ion	Ratio	Lower	Upper
154	100		
153	113.4	91.2	136.8
152	49.7	43.8	65.8

Manual Integrations
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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: 4.821 ng

RT: 10.20 min Scan# 1337

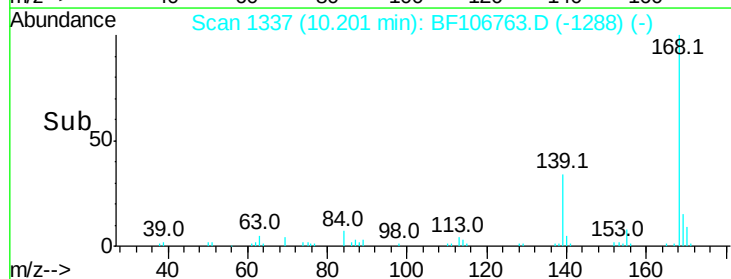
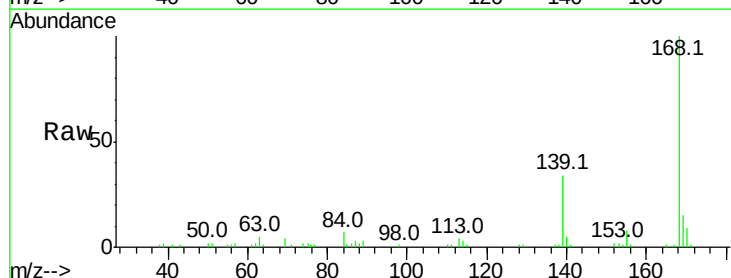
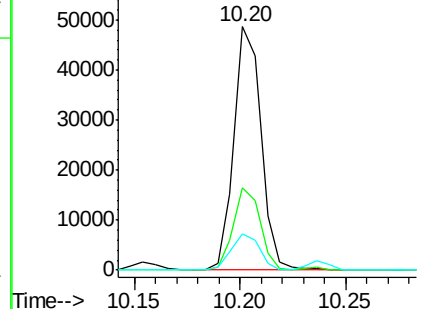
Delta R.T. -0.01 min

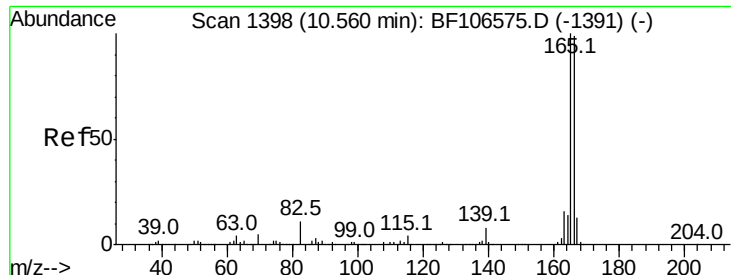
Lab File: BF106763.D

Acq: 25 Jun 2018 11:32

Tgt Ion:	168	Resp:	42954
Ion	Ratio	Lower	Upper
168	100		
139	33.7	30.1	45.1
169	14.8	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





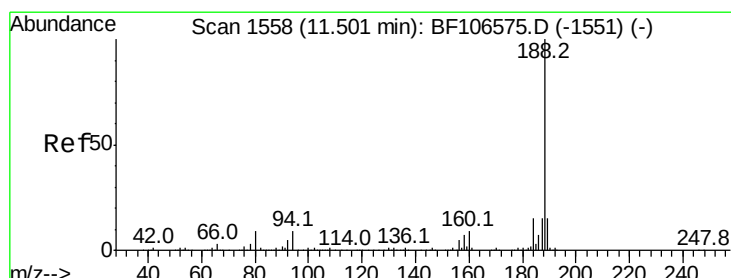
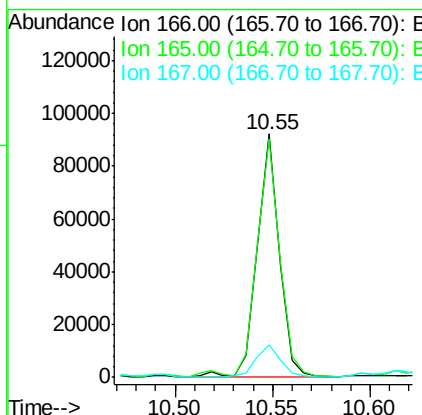
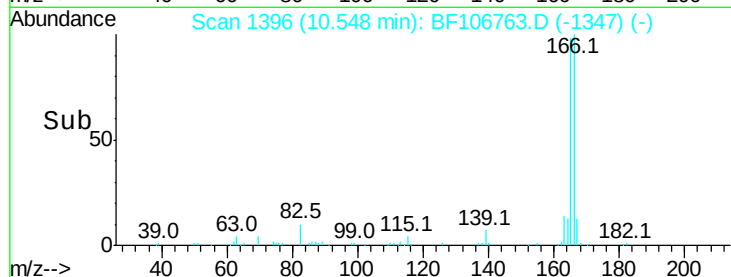
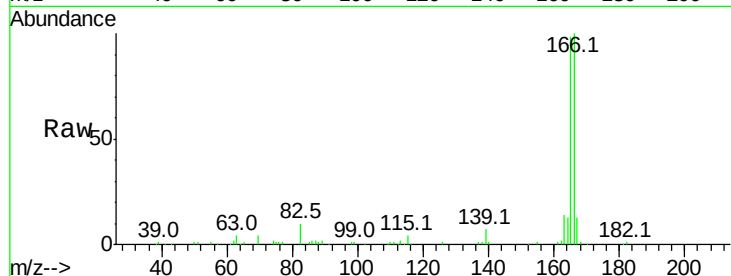
#57
Fluorene
Concen: 10.311 ng
RT: 10.55 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF106763.D
Acq: 25 Jun 2018 11:32

Instrument :
BNA_F
ClientSampleId :
OK-01-062018DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.8	119.8
167	13.2	10.6	16.0

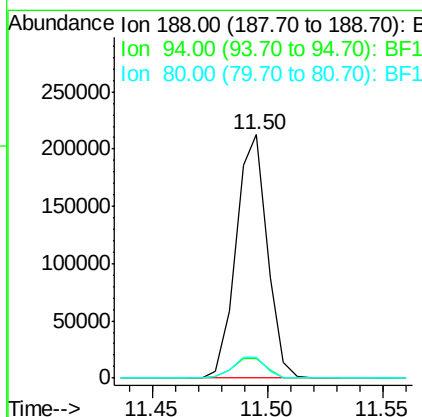
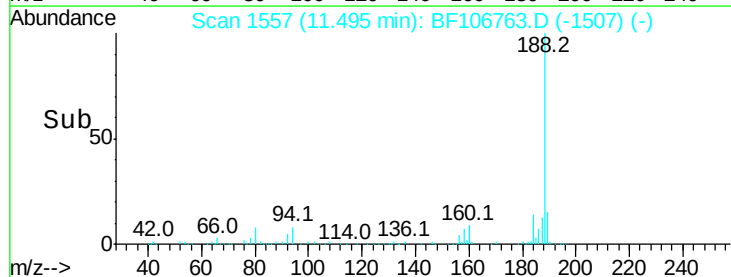
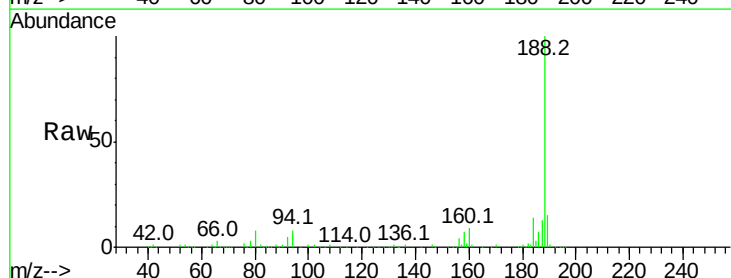
Manual Integrations
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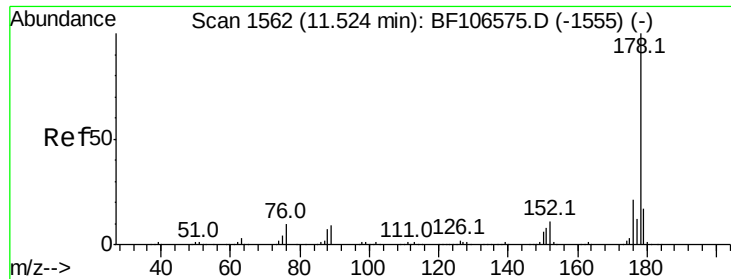
Sohil
6/27/2018 10:55:30 AM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106763.D
Acq: 25 Jun 2018 11:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.5	12.7#
80	8.4	9.2	13.8#





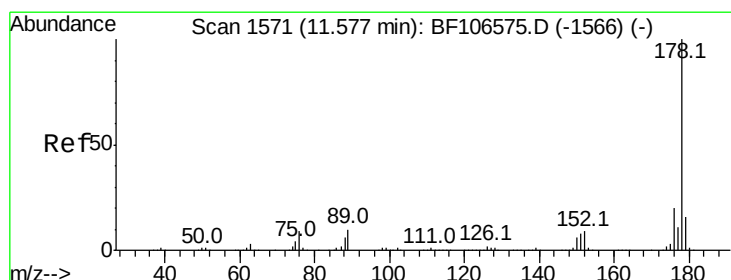
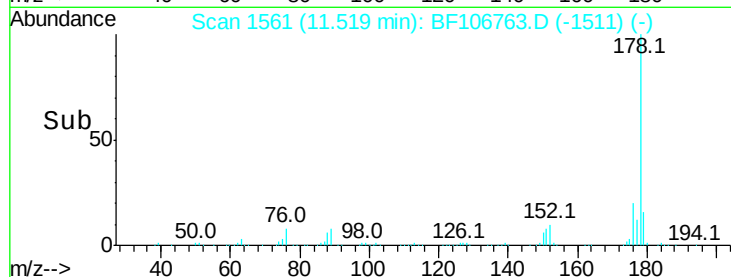
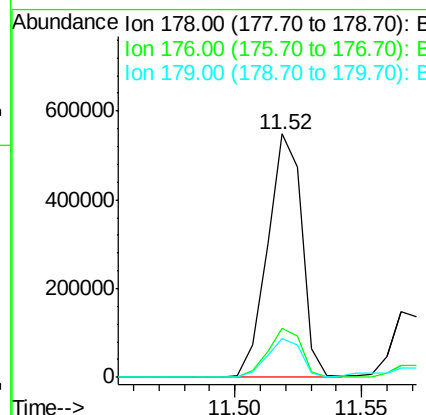
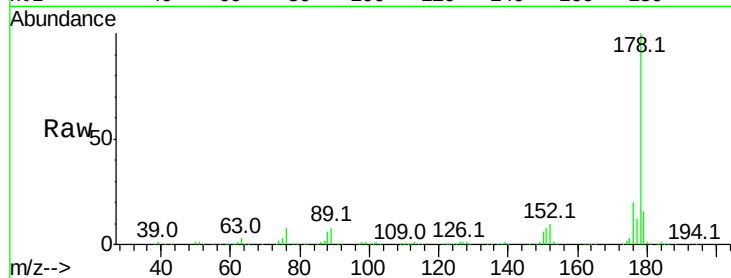
#70
Phenanthrene
Concen: 53.918 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106763.D
Acq: 25 Jun 2018 11:32

Instrument :
BNA_F
ClientSampleId :
OK-01-062018DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	16.2	13.0	19.6

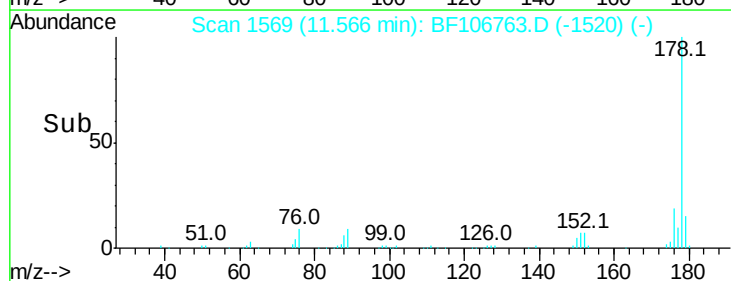
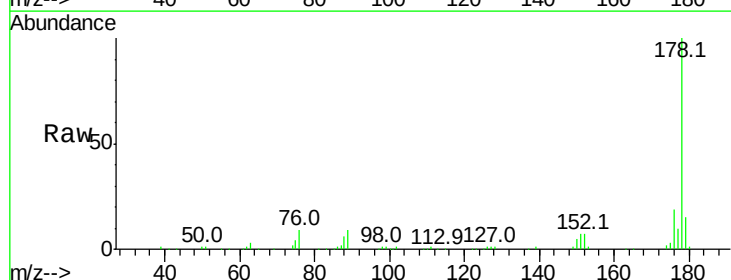
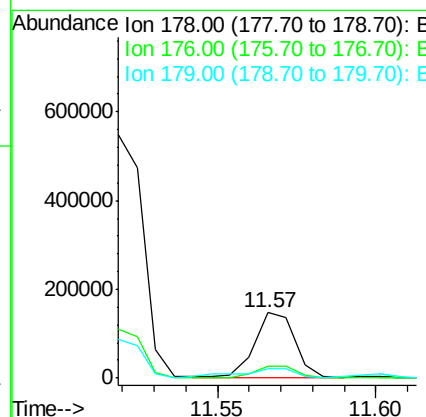
Manual Integrations
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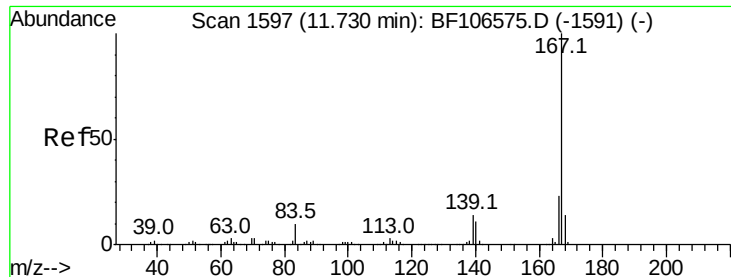
Sohil
6/27/2018 10:55:30 AM



#71
Anthracene
Concen: 13.075 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF106763.D
Acq: 25 Jun 2018 11:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.3	12.6	19.0





#72

Carbazole

Concen: 8.055 ng

RT: 11.72 min Scan# 1596

Delta R.T. -0.01 min

Lab File: BF106763.D

Acq: 25 Jun 2018 11:32

Instrument :

BNA_F

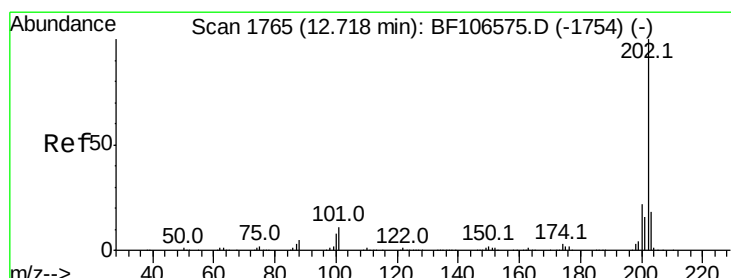
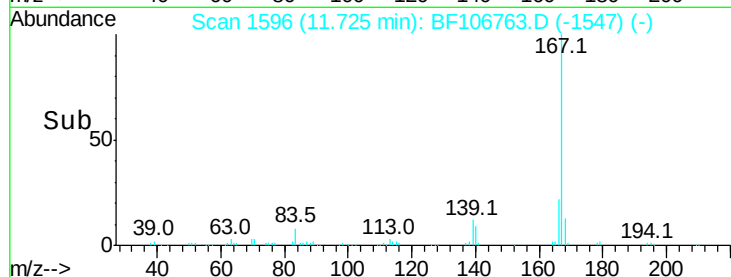
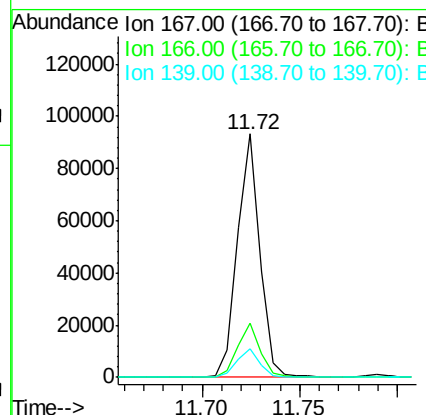
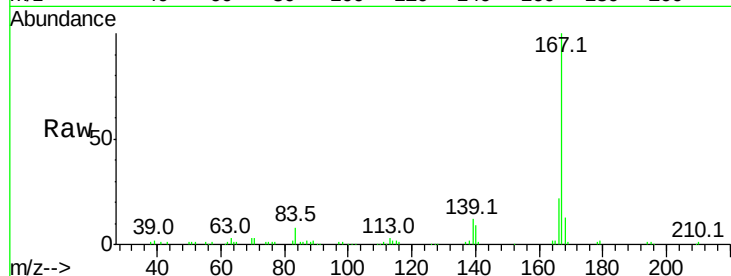
ClientSampleId :

OK-01-062018DL

Tot Ion:	167	Resp:	74317
Ion Ratio	Lower	Upper	
167	100		
166	22.3	17.6	26.4
139	12.0	10.9	16.3

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#74

Fluoranthene

Concen: 49.000 ng

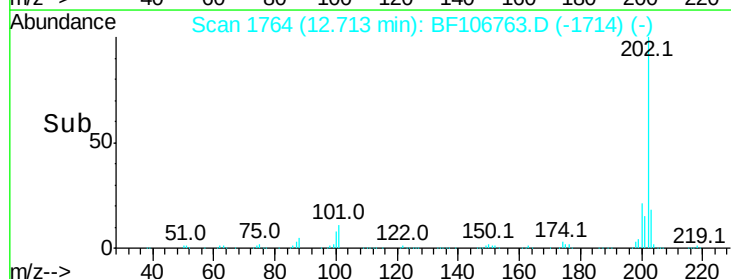
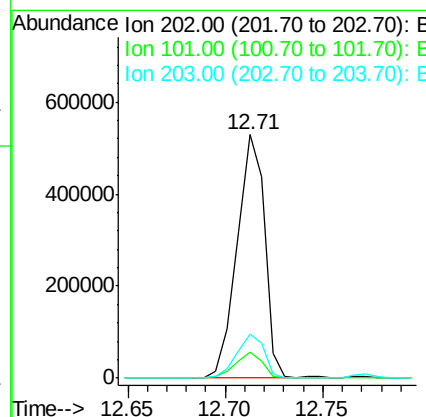
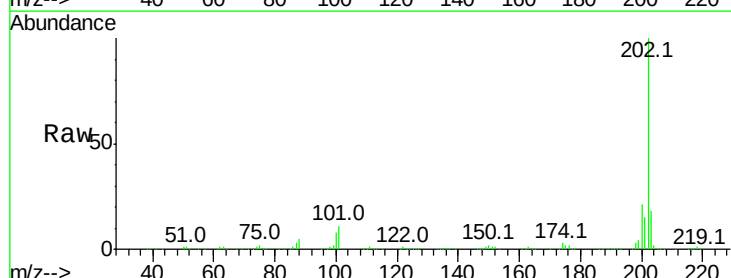
RT: 12.71 min Scan# 1764

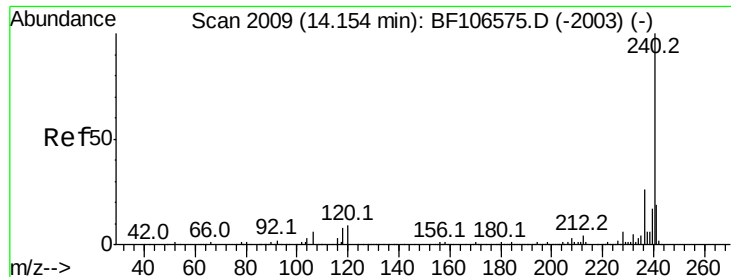
Delta R.T. -0.01 min

Lab File: BF106763.D

Acq: 25 Jun 2018 11:32

Tgt Ion:	202	Resp:	521414
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	34.1
203	18.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BF106763.D

Acq: 25 Jun 2018 11:32

Instrument :

BNA_F

ClientSampleId :

OK-01-062018DL

Tot Ion:240 Resp: 160418
Ion Ratio Lower Upper

240 100

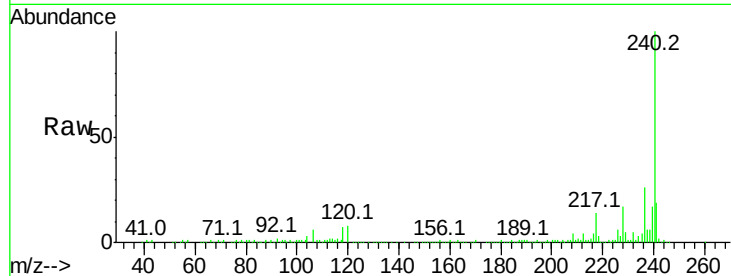
120 7.8 9.5 14.3#

236 25.8 20.7 31.1

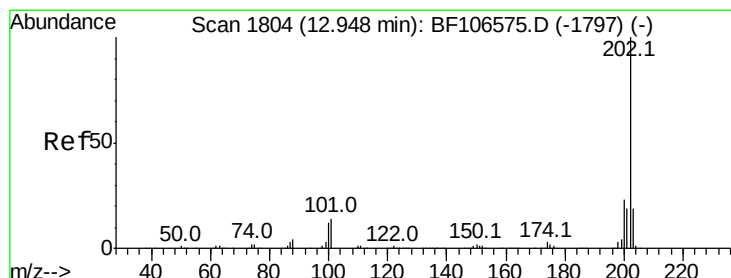
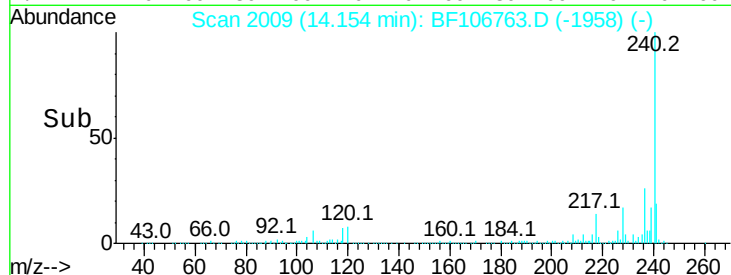
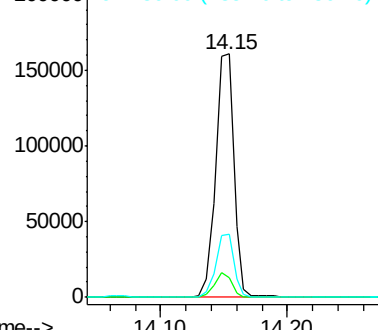
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 43.129 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF106763.D

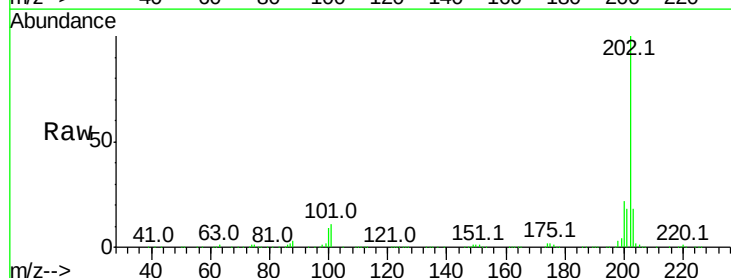
Acq: 25 Jun 2018 11:32

Tgt Ion:202 Resp: 456243
Ion Ratio Lower Upper

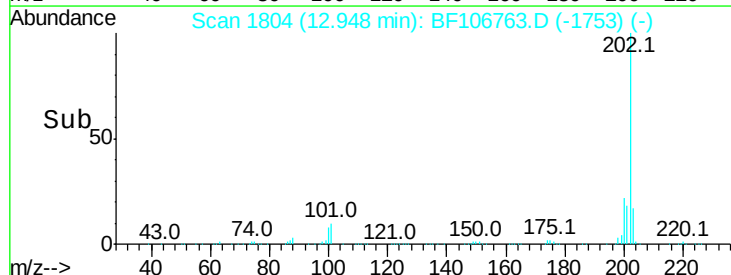
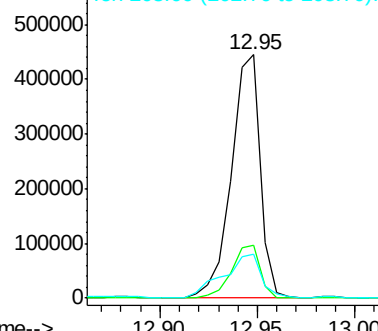
202 100

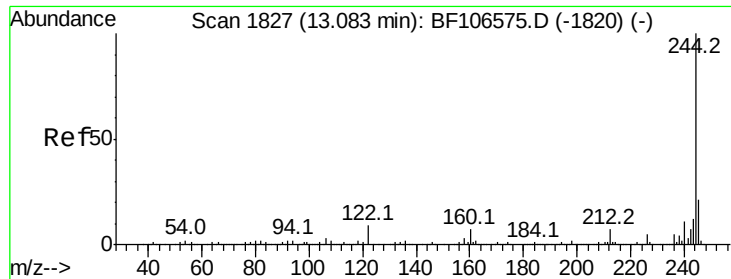
200 21.7 17.4 26.2

203 17.9 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





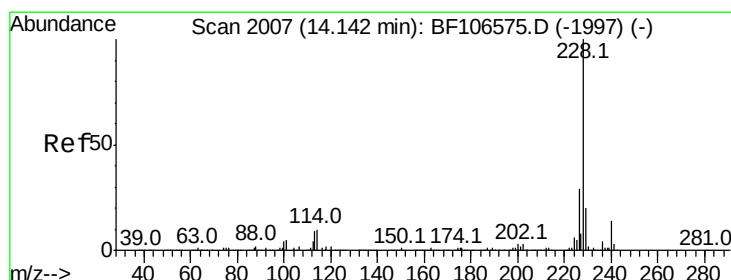
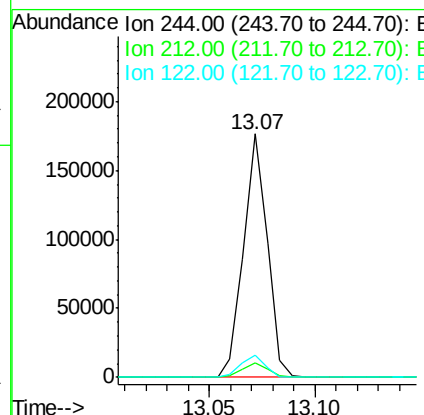
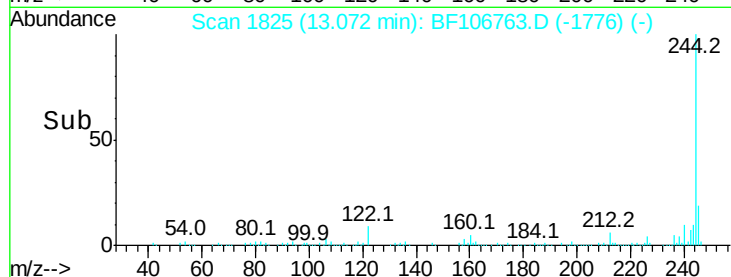
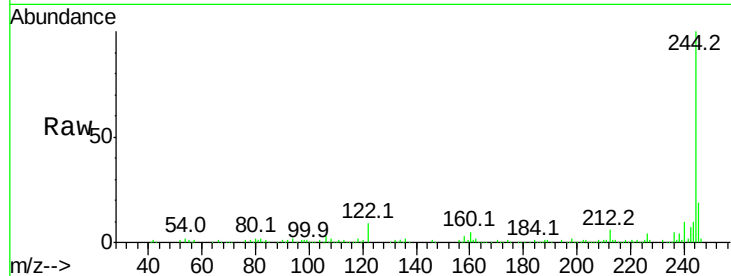
#78
 Terphenyl-d14
 Concen: 20.666 ng
 RT: 13.07 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF106763.D
 Acq: 25 Jun 2018 11:32

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-062018DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.0
122	9.3	11.0	16.4

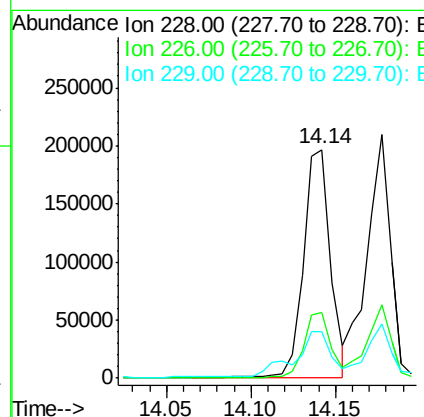
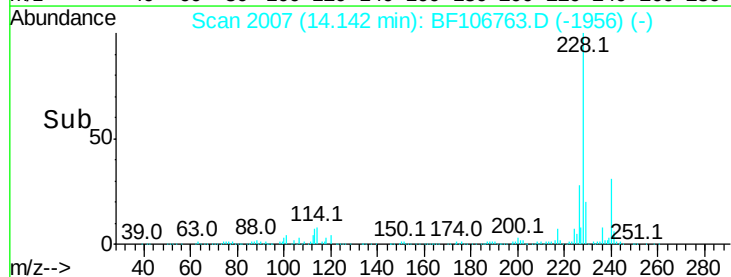
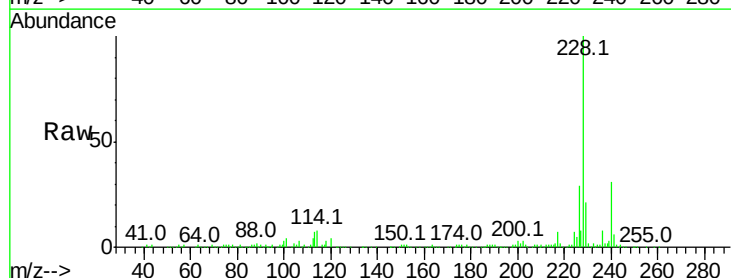
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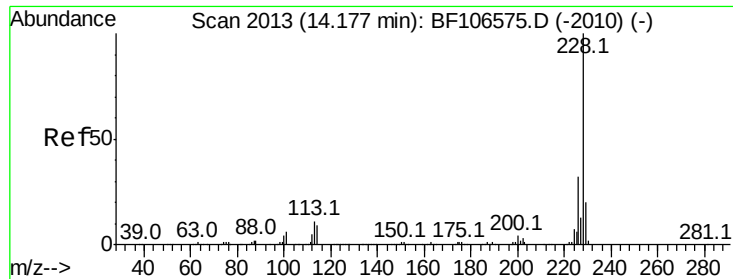
Sohil
 6/27/2018 10:55:30 AM



#80
 Benzo(a)anthracene
 Concen: 22.115 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: BF106763.D
 Acq: 25 Jun 2018 11:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	20.6	15.8	23.6





#82

Chrysene

Concen: 22.546 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF106763.D

Acq: 25 Jun 2018 11:32

Instrument :

BNA_F

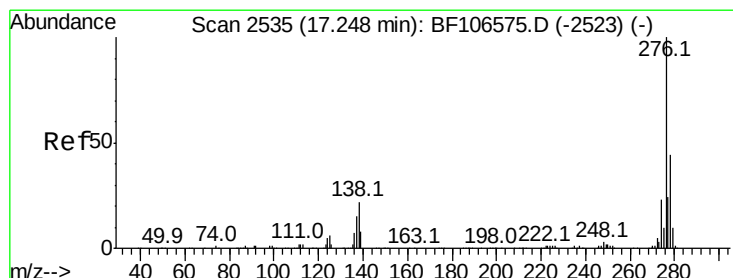
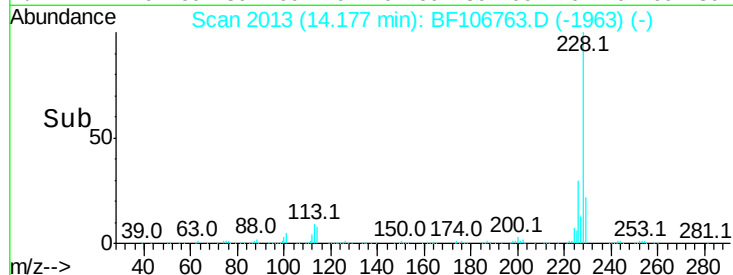
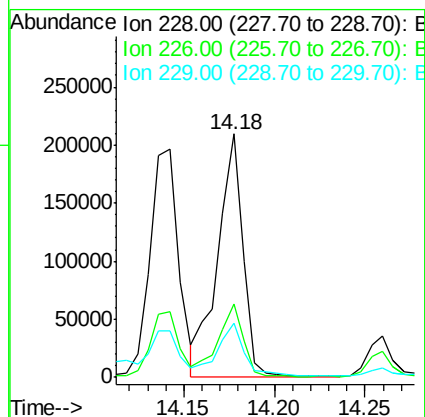
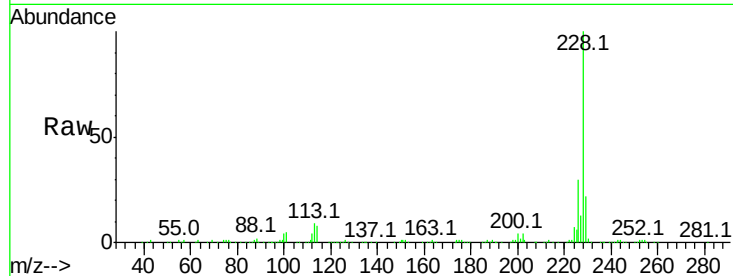
ClientSampleId :

OK-01-062018DL

Tot Ion:	228	Resp:	202796
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.0	37.6
229	22.1	16.2	24.4

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Sohil
6/27/2018 10:55:30 AM



#85

Indeno(1,2,3-cd)pyrene

Concen: 13.763 ng

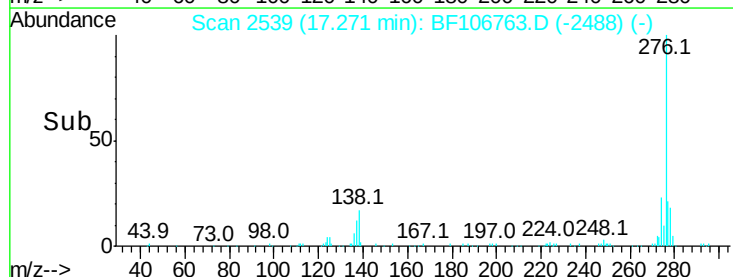
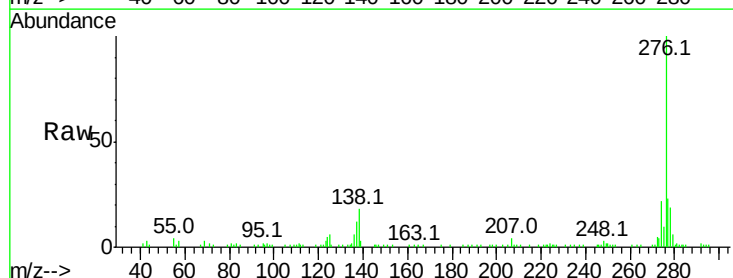
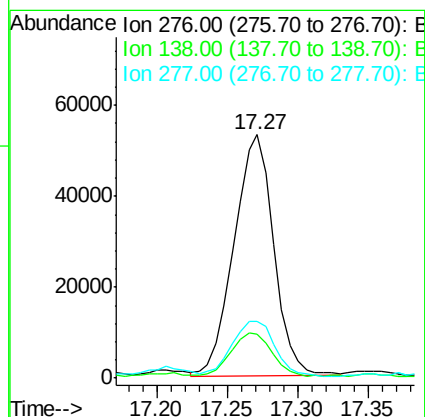
RT: 17.27 min Scan# 2539

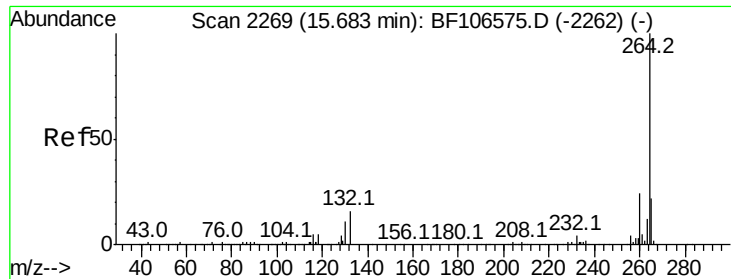
Delta R.T. 0.00 min

Lab File: BF106763.D

Acq: 25 Jun 2018 11:32

Tgt Ion:	276	Resp:	105060
Ion Ratio	Lower	Upper	
276	100		
138	19.2	25.0	37.6#
277	24.3	20.1	30.1





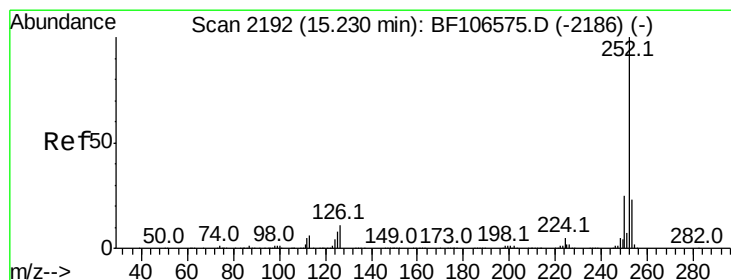
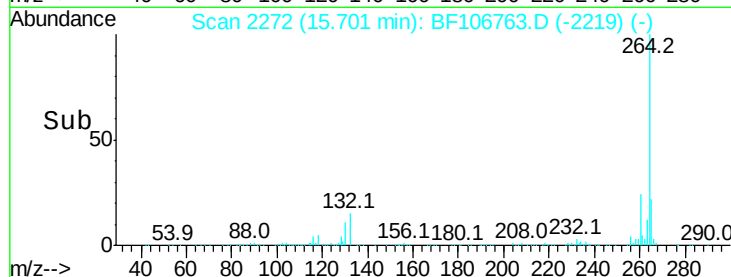
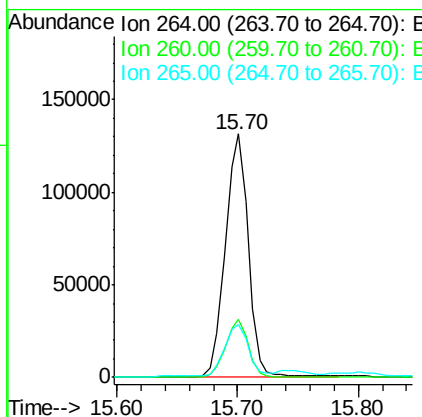
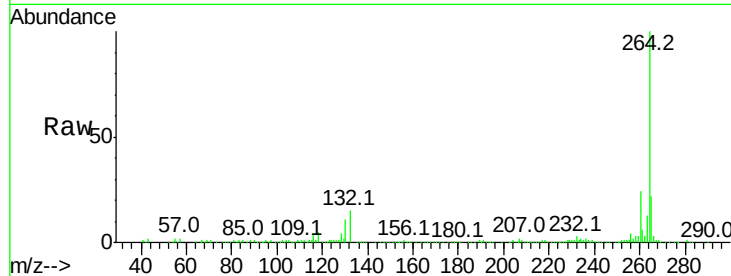
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF106763.D
Acq: 25 Jun 2018 11:32

Instrument :
BNA_F
ClientSampleId :
OK-01-062018DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.9	17.5	26.3

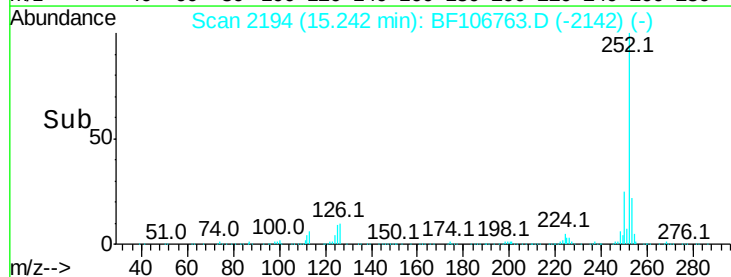
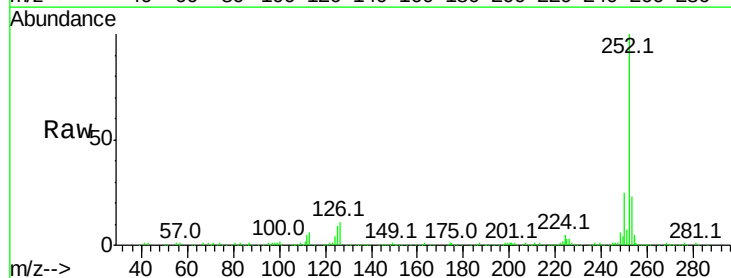
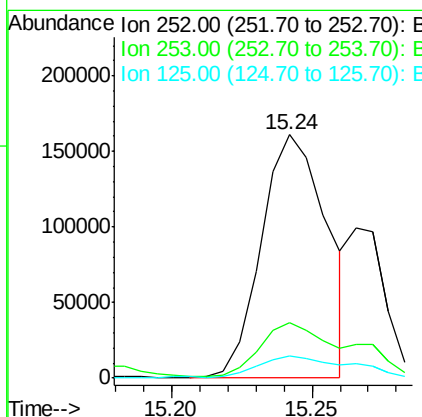
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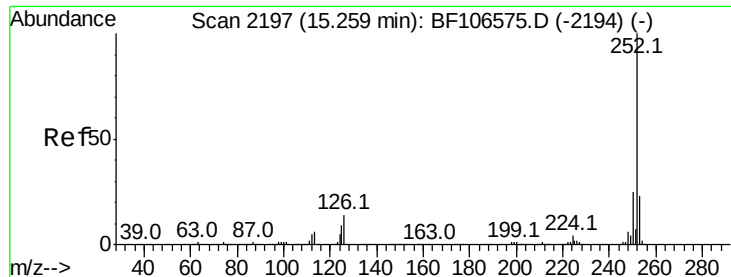
Sohil
6/27/2018 10:55:30 AM



#87
Benzo(b)fluoranthene
Concen: 24.277 ng m
RT: 15.24 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF106763.D
Acq: 25 Jun 2018 11:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	9.1	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 8.949 ng m

RT: 15.27 min Scan# 2198

Delta R.T. 0.00 min

Lab File: BF106763.D

Acq: 25 Jun 2018 11:32

Instrument :

BNA_F

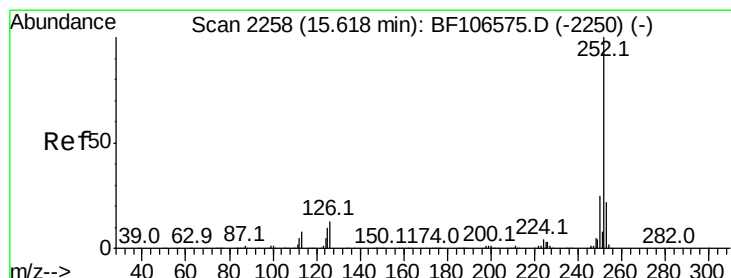
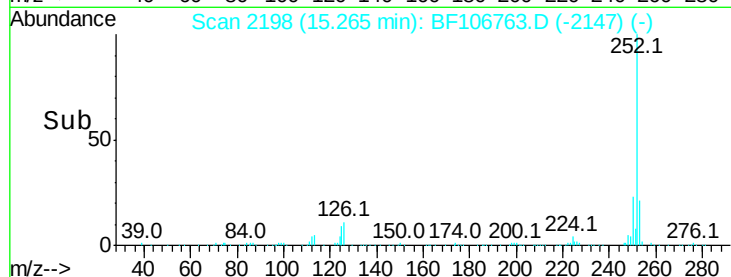
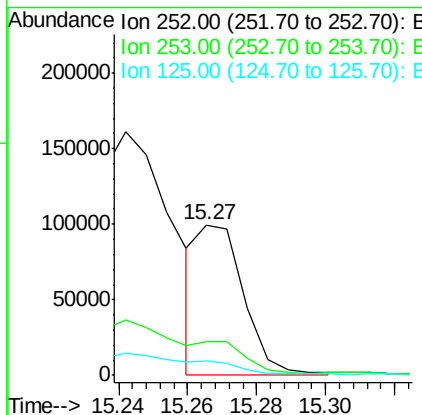
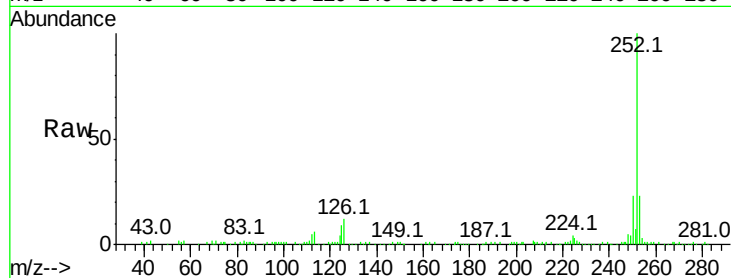
ClientSampleId :

OK-01-062018DL

Tot Ion:	252	Resp:	91124
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.9	26.9
125	9.2	10.2	15.2#

Manual Integrations
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Sohil
6/27/2018 10:55:30 AM



#89

Benzo(a)pyrene

Concen: 20.507 ng m

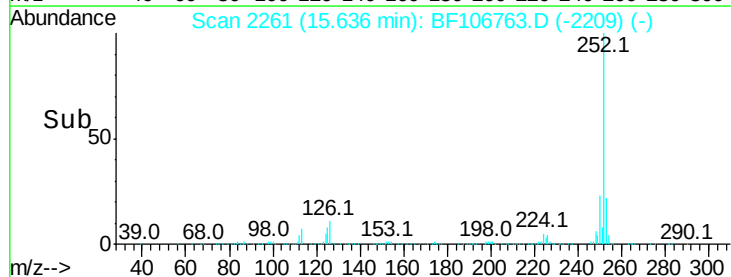
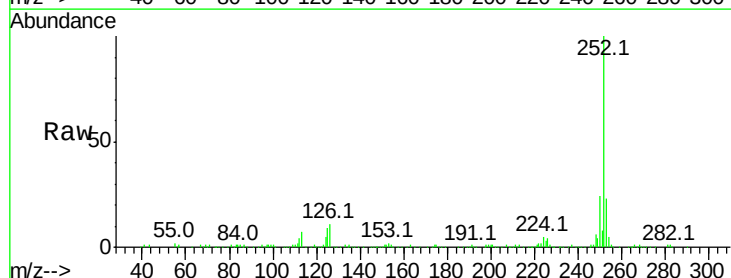
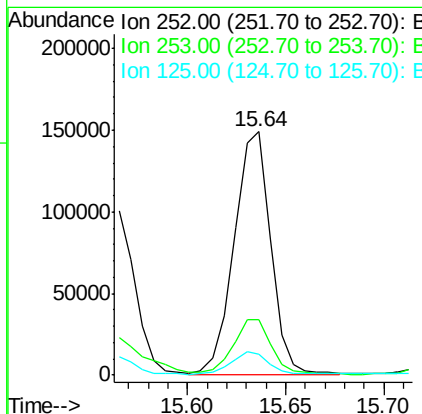
RT: 15.64 min Scan# 2261

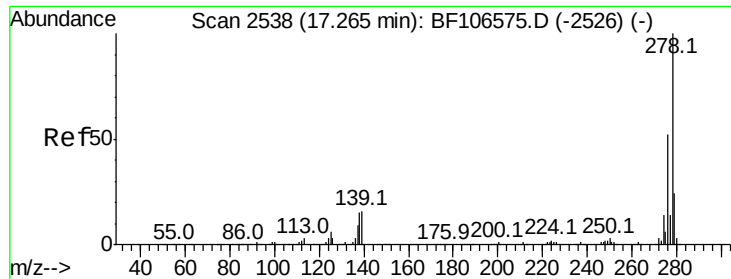
Delta R.T. 0.01 min

Lab File: BF106763.D

Acq: 25 Jun 2018 11:32

Tgt Ion:	252	Resp:	194933
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.1	25.7
125	8.8	9.8	14.6#





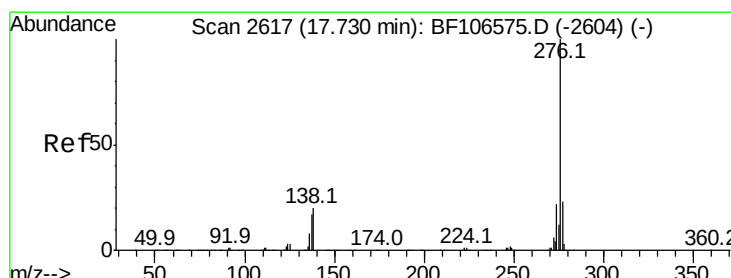
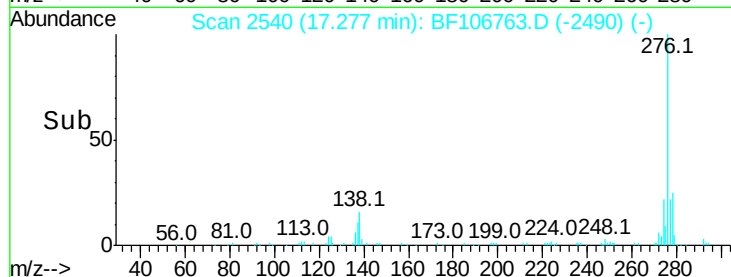
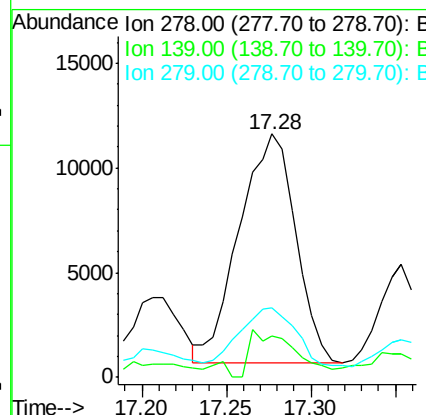
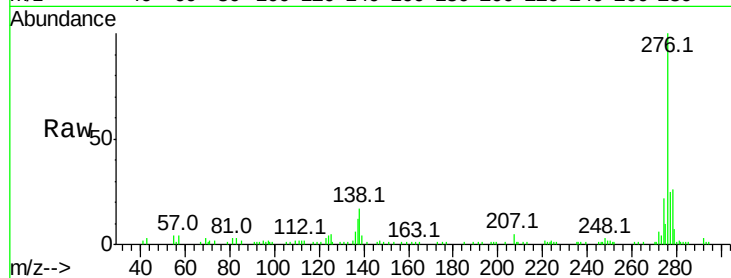
#90
Dibenzo(a,h)anthracene
Concen: 3.153 ng
RT: 17.28 min Scan# 2540
Delta R.T. -0.01 min
Lab File: BF106763.D
Acq: 25 Jun 2018 11:32

Instrument :
BNA_F
ClientSampleId :
OK-01-062018DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.0	15.9	23.9
279	28.6	19.0	28.4

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#91
Benzo(g,h,i)perylene
Concen: 12.290 ng
RT: 17.75 min Scan# 2621
Delta R.T. 0.01 min
Lab File: BF106763.D
Acq: 25 Jun 2018 11:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	17.9	26.9
138	19.0	21.8	32.8

