

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
 Data File : BF110176.D
 Acq On : 25 Oct 2018 22:29
 Operator : JU/SJ
 Sample : J5625-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-06

Manual Integrations
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 10/26/2018 3:49:26 PM

Quant Time: Oct 26 05:28:28 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	162769	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	638072	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	266524	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	400989	20.00	ng	-0.02
76) Chrysene-d12	14.14	240	293532	20.00	ng	-0.02
87) Perylene-d12	15.67	264	254843	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	930784	93.12	ng	0.00
7) Phenol-d6	6.59	99	1180757	92.36	ng	-0.01
23) Nitrobenzene-d5	7.53	82	754447	70.13	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	209504	79.35	ng	-0.02
45) 2-Fluorobiphenyl	9.32	172	1178905	69.46	ng	-0.02
79) Terphenyl-d14	13.09	244	765643	54.25	ng	-0.02
Target Compounds						
10) Phenol	6.60	94	136459	9.985	ng	Qvalue # 62
31) Naphthalene	8.27	128	60917	2.071	ng	99
37) 2-Methylnaphthalene	8.96	142	39256	2.018	ng	98
50) Dimethylphthalate	9.72	163	215241	10.940	ng	100
71) Phenanthrene	11.52	178	128575	6.128	ng	99
72) Anthracene	11.57	178	46966	2.233	ng	98
75) Fluoranthene	12.72	202	239227	11.235	ng	100
78) Pyrene	12.94	202	292787	13.913	ng	98
80) Butylbenzylphthalate	13.55	149	67980	7.443	ng	99
81) Benzo(a)anthracene	14.14	228	164802m	9.468	ng	
83) Chrysene	14.17	228	173447	10.491	ng	98
84) Bis(2-ethylhexyl)phthalate	14.10	149	29351	2.377	ng	# 95
86) Indeno(1,2,3-cd)pyrene	17.23	276	74599	5.439	ng	100
88) Benzo(b)fluoranthene	15.22	252	225914m	15.351	ng	
89) Benzo(k)fluoranthene	15.24	252	53633m	3.707	ng	
90) Benzo(a)pyrene	15.60	252	129591	9.570	ng	97
92) Benzo(a,h,i)perylene	17.70	276	75299	6.540	ng	# 94

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

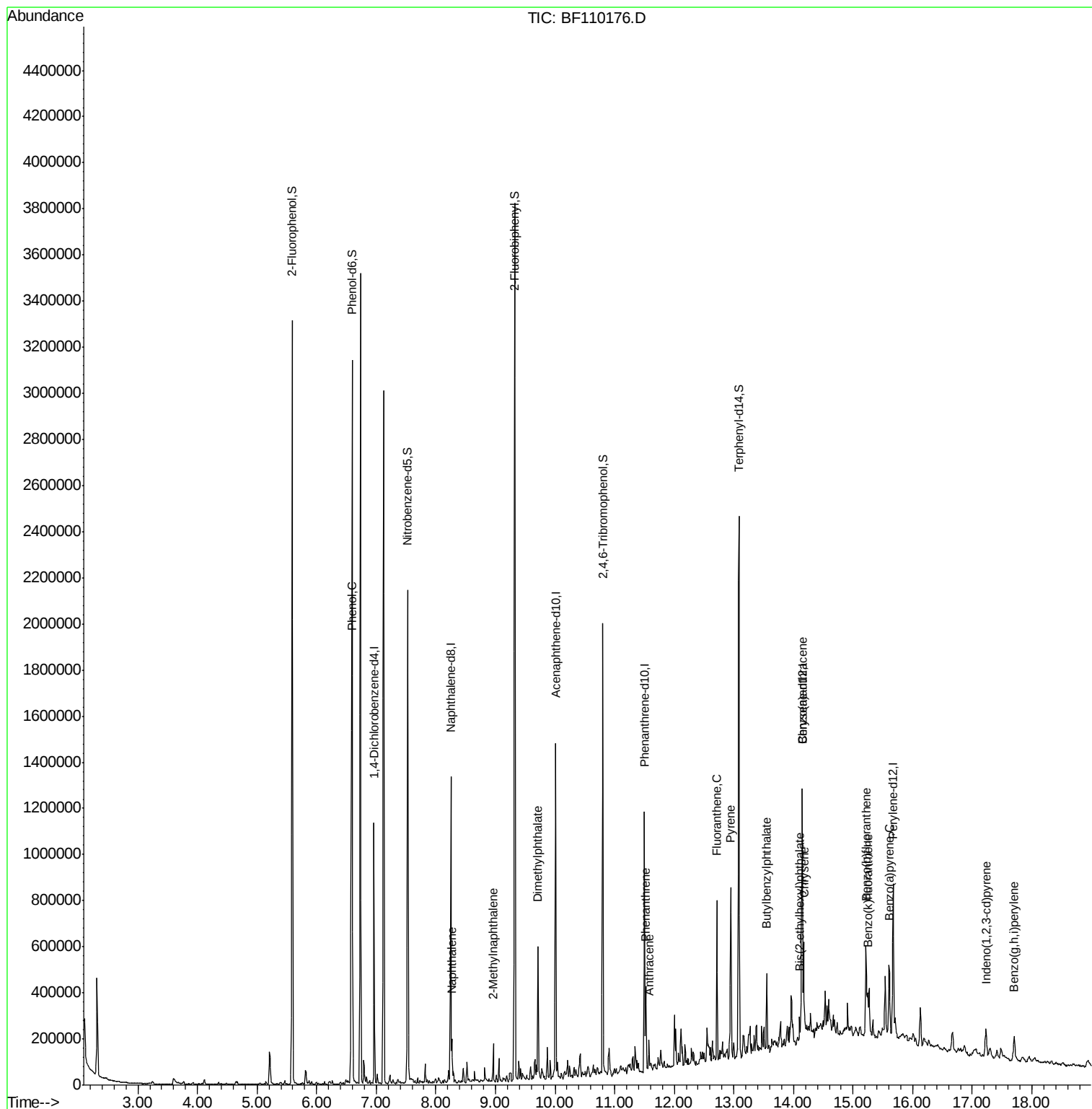
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
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#1

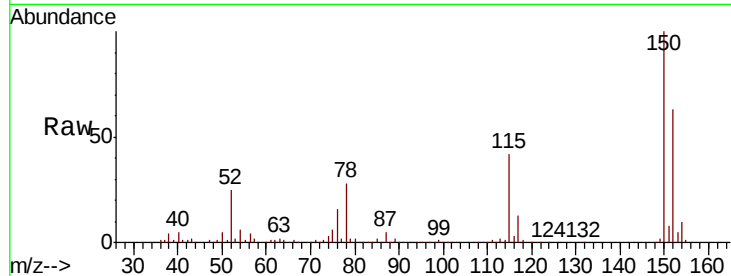
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.02 min
Lab File: BF110176.D
Acq: 25 Oct 2018 22:29

Instrument :
BNA_F
ClientSampled :
DW-06

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	122.7	184.1
115	65.5	49.1	73.7

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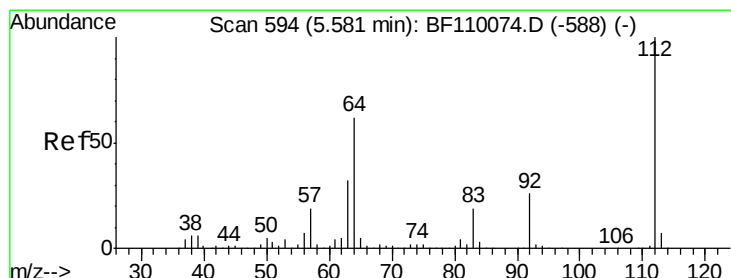
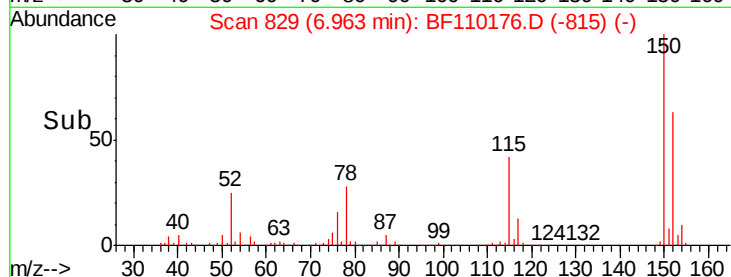
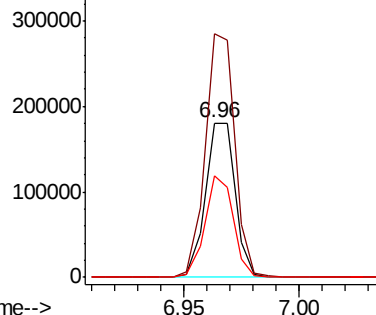


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

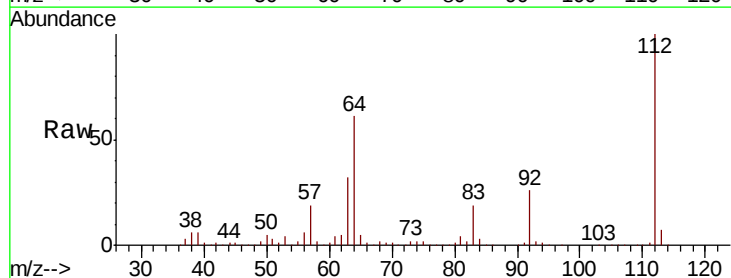
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 93.122 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF110176.D
Acq: 25 Oct 2018 22:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	44.1	66.1
63	32.2	23.7	35.5

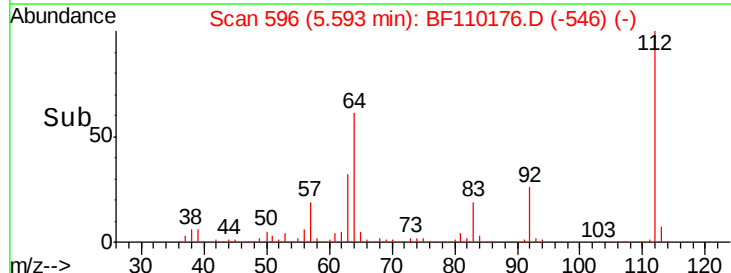
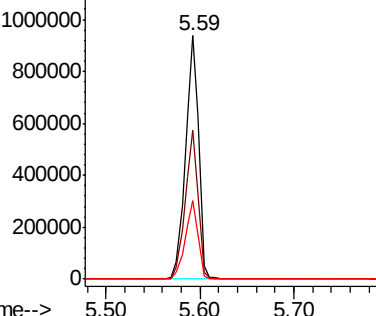


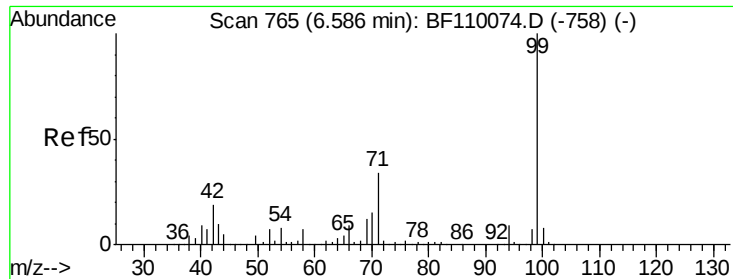
Abundance

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: 92.356 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110176.D

Acq: 25 Oct 2018 22:29

Instrument :

BNA_F

ClientSampled :

DW-06

Tot Ion: 99 Resp: 1180757

Ion Ratio Lower Upper

99 100

42 19.2 15.8 23.6

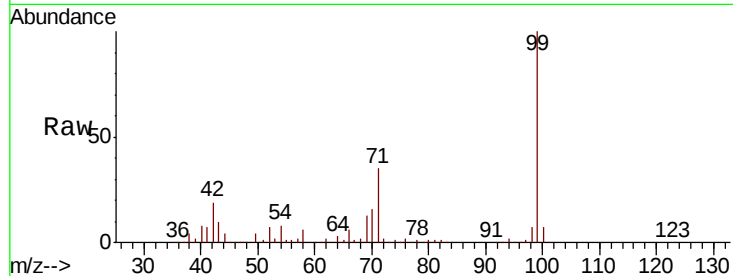
71 35.1 28.0 42.0

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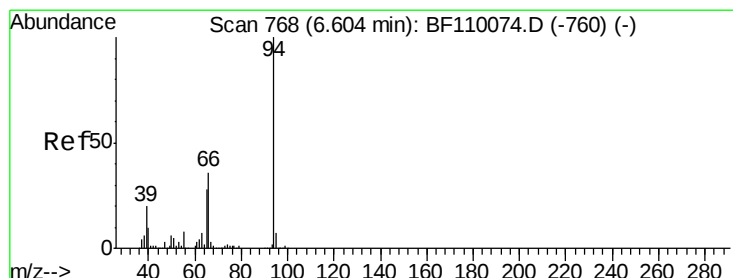
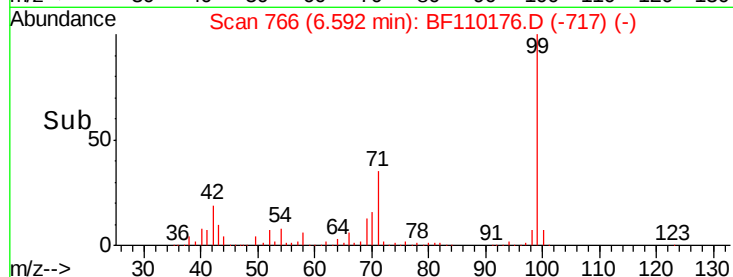
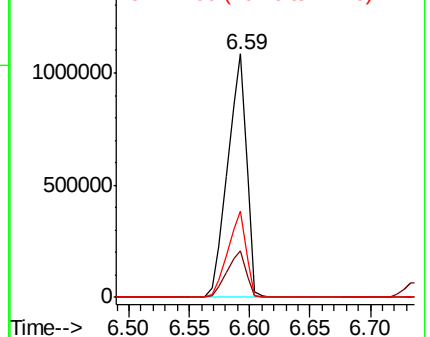
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 9.985 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF110176.D

Acq: 25 Oct 2018 22:29

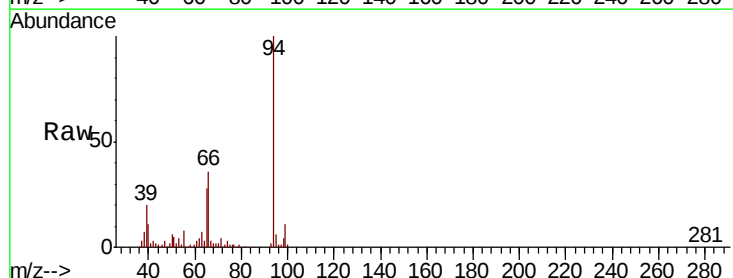
Tgt Ion: 94 Resp: 136459

Ion Ratio Lower Upper

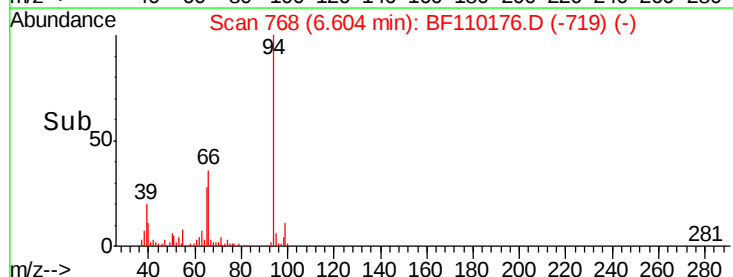
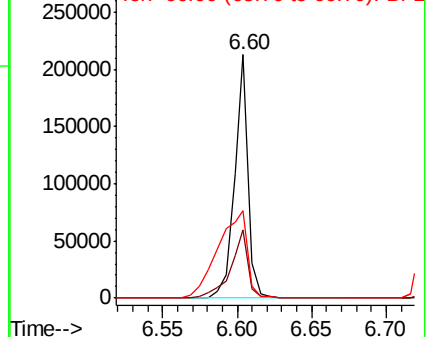
94 100

65 27.8 25.3 65.3

66 35.9 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





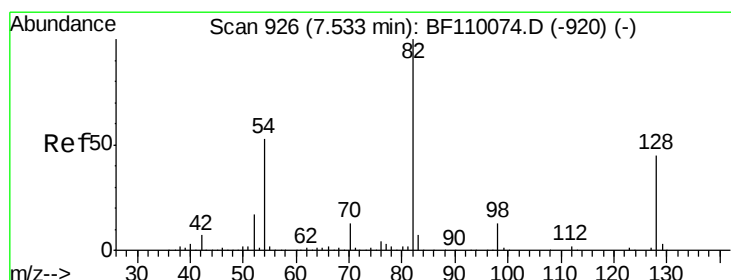
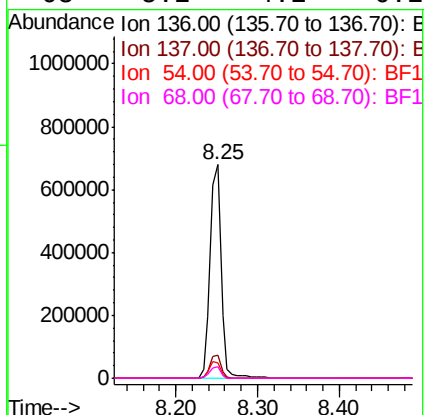
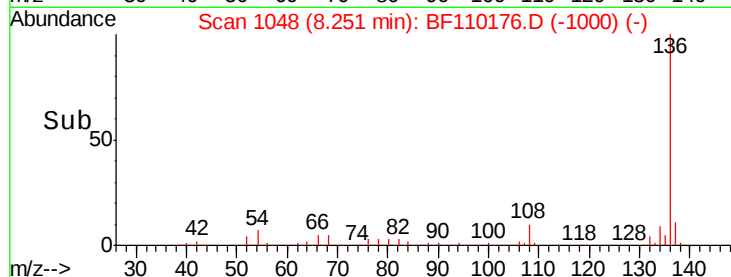
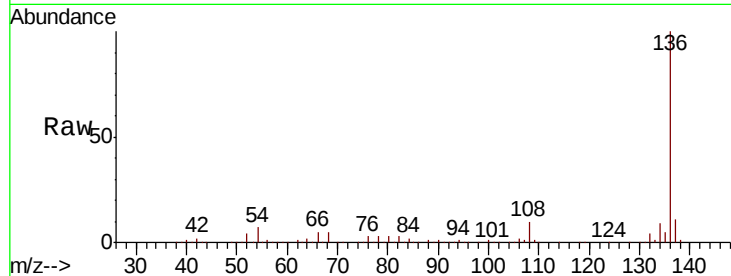
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110176.D
Acq: 25 Oct 2018 22:29

Instrument :
BNA_F
ClientSampled :
DW-06

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	7.3	5.4	8.2
68	5.2	4.2	6.2

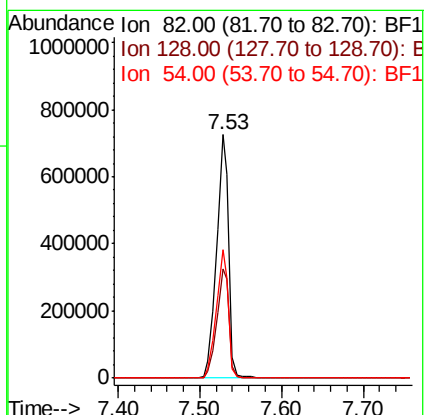
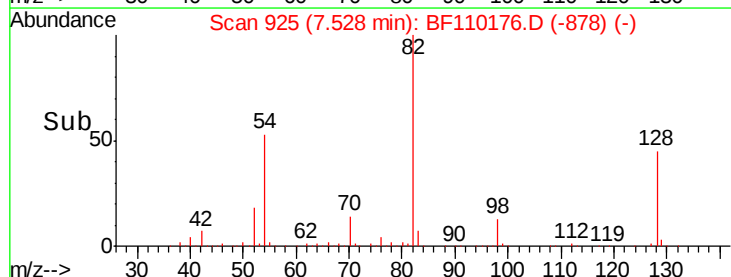
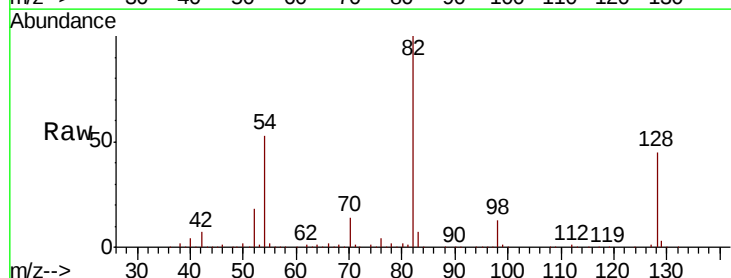
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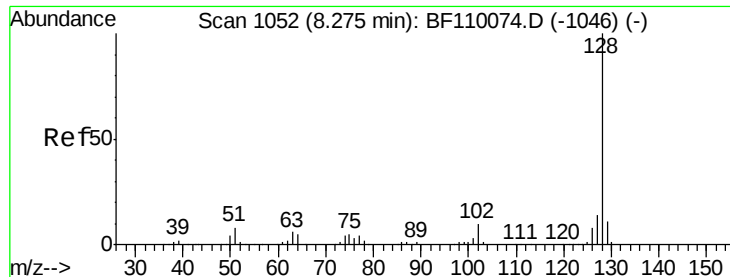
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#23
Nitrobenzene-d5
Concen: 70.131 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110176.D
Acq: 25 Oct 2018 22:29

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.2	51.2
54	52.7	38.6	58.0





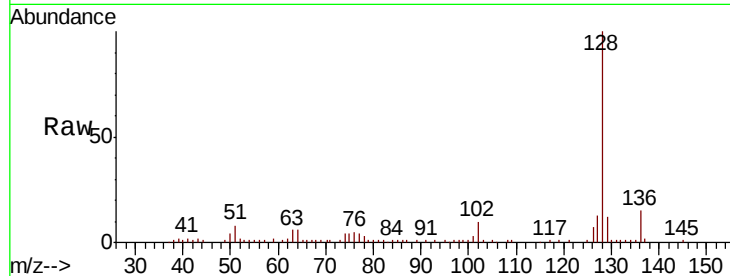
#31
Naphthalene
Concen: 2.071 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.02 min
Lab File: BF110176.D
Acq: 25 Oct 2018 22:29

Instrument :
BNA_F
ClientSampled :
DW-06

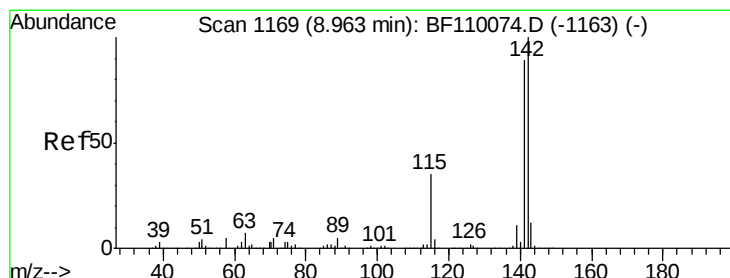
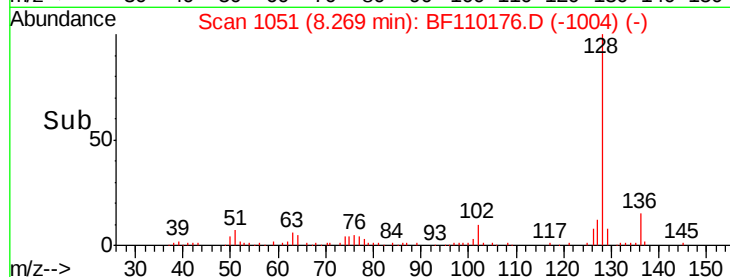
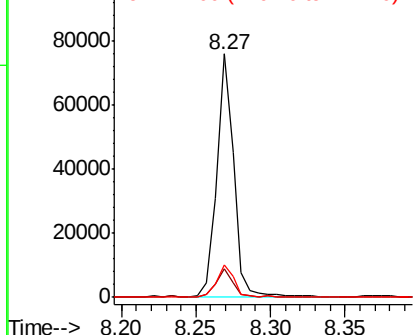
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.8	13.2
127	13.1	10.8	16.2

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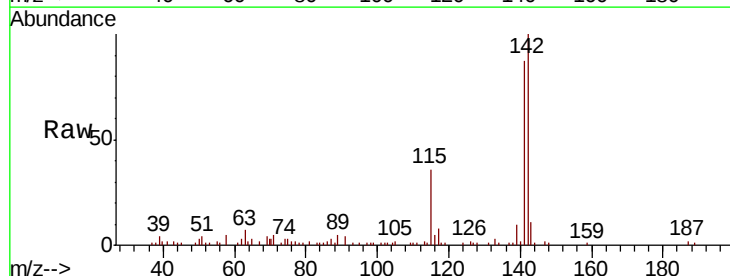


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

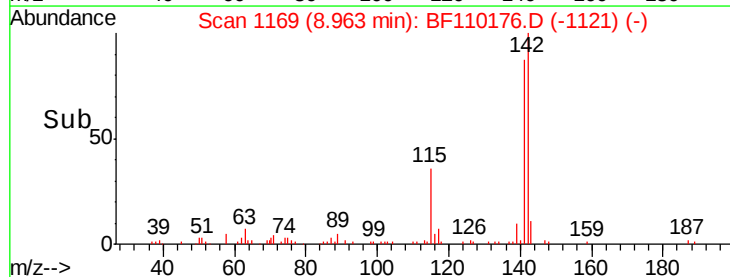
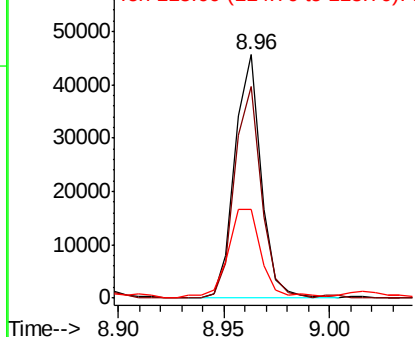


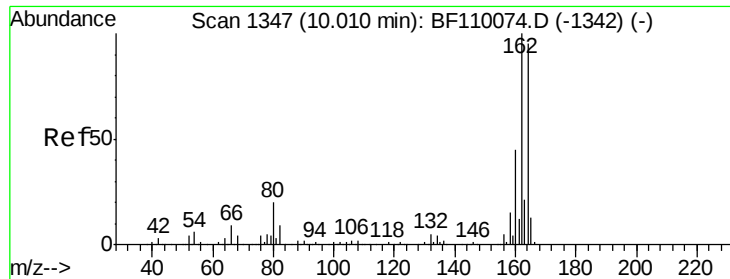
#37
2-Methylnaphthalene
Concen: 2.018 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.02 min
Lab File: BF110176.D
Acq: 25 Oct 2018 22:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.0	71.4	107.2
115	36.5	28.7	43.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





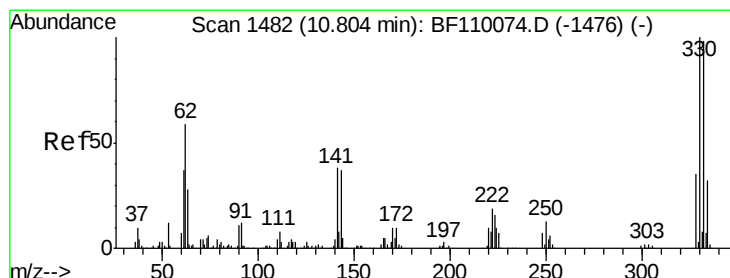
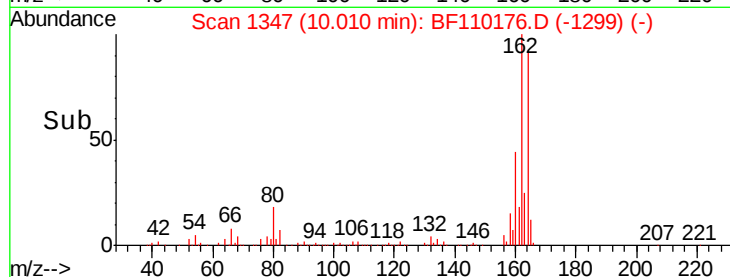
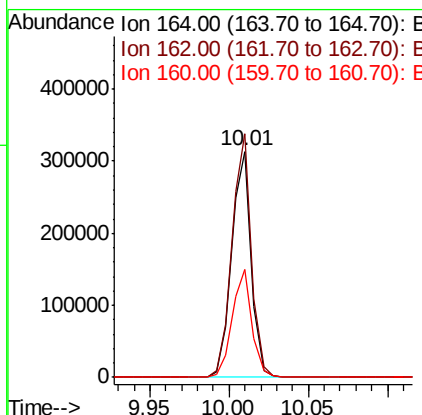
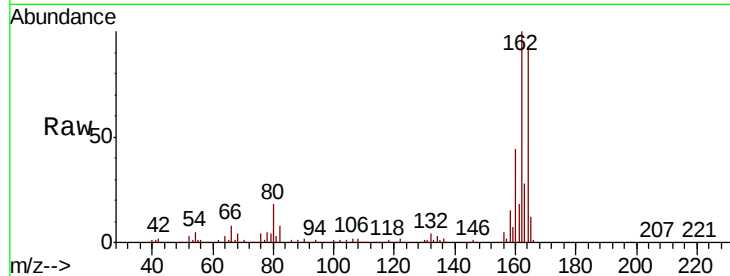
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110176.D
Acq: 25 Oct 2018 22:29

Instrument :
BNA_F
ClientSampled :
DW-06

Tot Ion	Ratio	Lower	Upper
164	100		
162	107.9	83.0	124.6
160	47.6	37.0	55.6

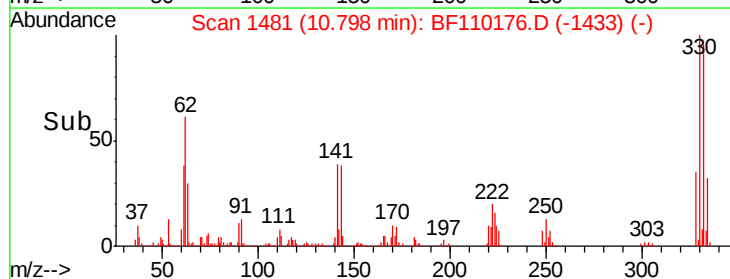
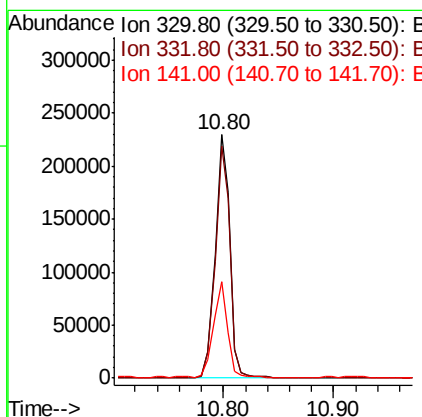
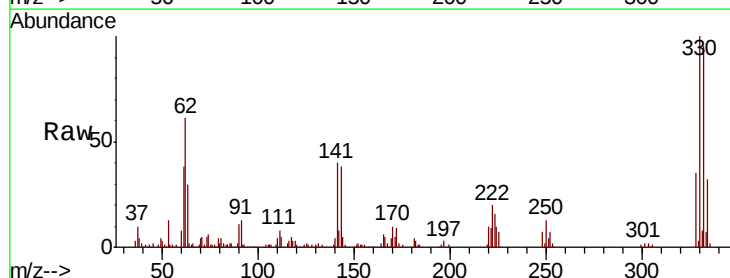
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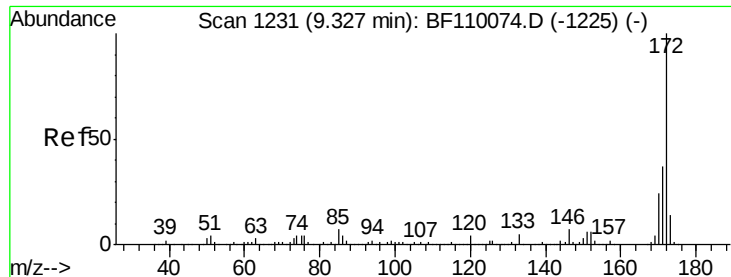
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#42
2,4,6-Tribromophenol
Concen: 79.355 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BF110176.D
Acq: 25 Oct 2018 22:29

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.1	115.7
141	36.9	27.0	40.4





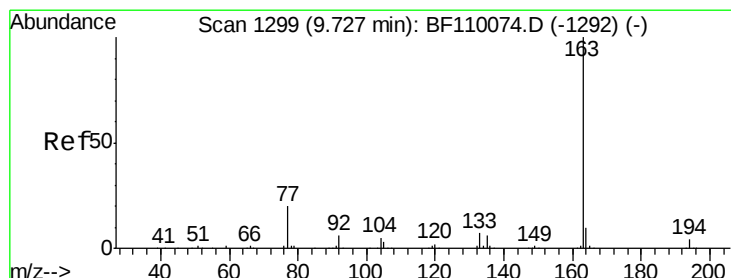
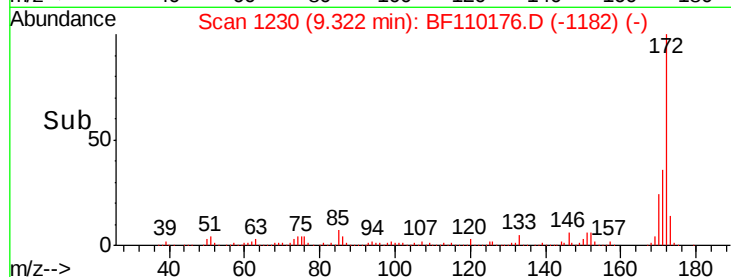
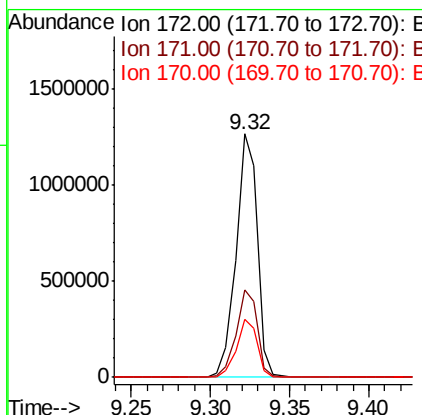
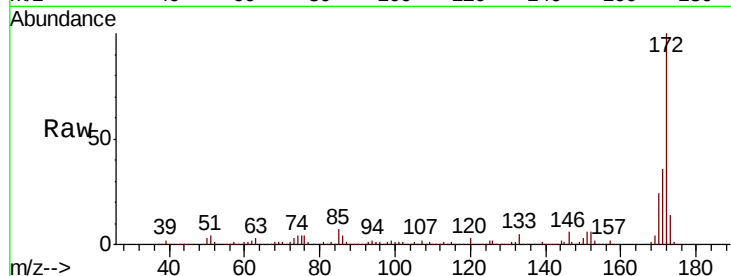
#45
2-Fluorobiphenyl
Concen: 69.457 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.02 min
Lab File: BF110176.D
Acq: 25 Oct 2018 22:29

Instrument :
BNA_F
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DW-06

Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	36.1	28.6	43.0	
170	23.8	19.7	29.5	

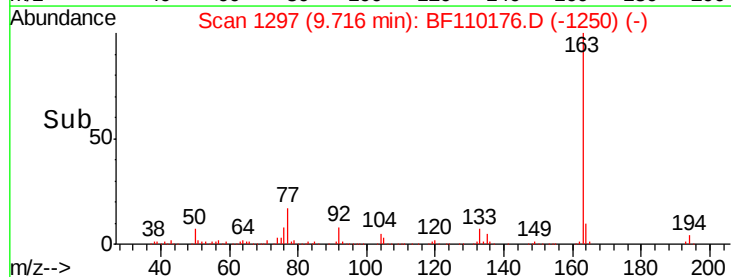
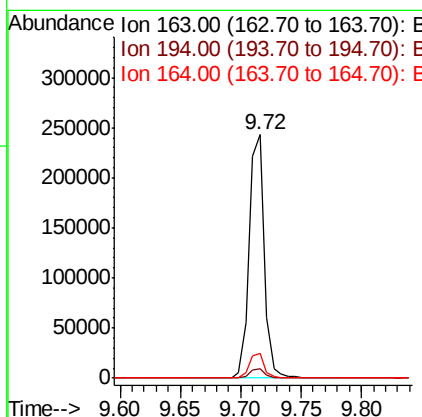
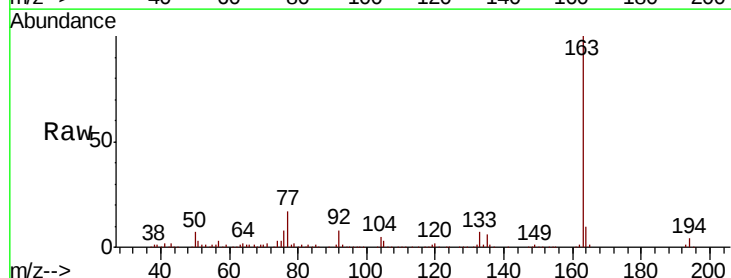
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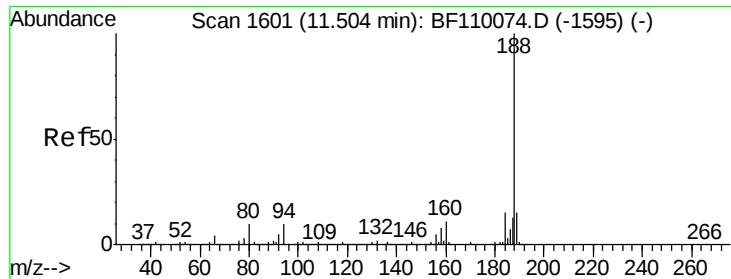
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#50
Dimethylphthalate
Concen: 10.940 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110176.D
Acq: 25 Oct 2018 22:29

Tgt Ion	Ion	Ratio	Lower	Upper
163	100			
194	3.9	3.2	4.8	
164	10.2	8.1	12.1	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1600

Delta R.T. -0.02 min

Lab File: BF110176.D

Acq: 25 Oct 2018 22:29

Instrument :

BNA_F

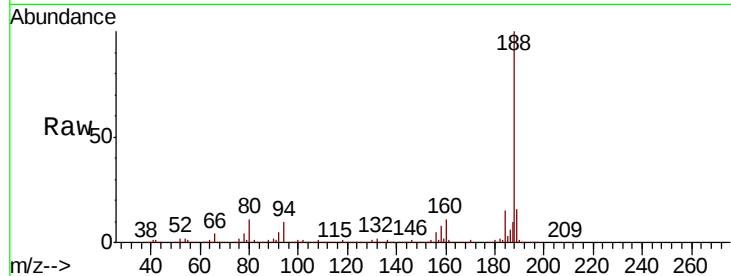
ClientSampleId :

DW-06

Tot Ion:	188	Resp:	400989
Ion Ratio	Lower	Upper	
188	100		
94	10.1	7.2	10.8
80	11.3	7.9	11.9

Manual Integrations
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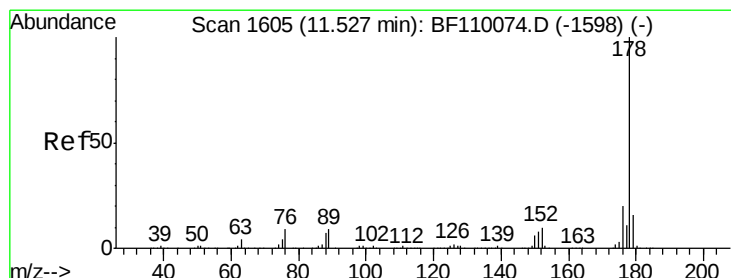
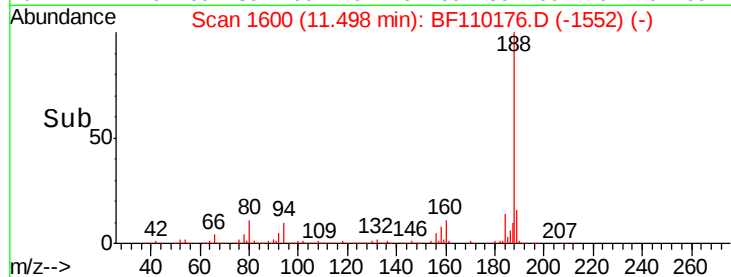
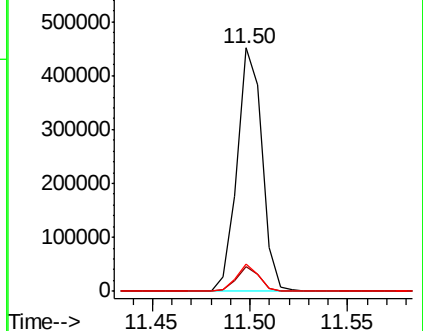
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 6.128 ng

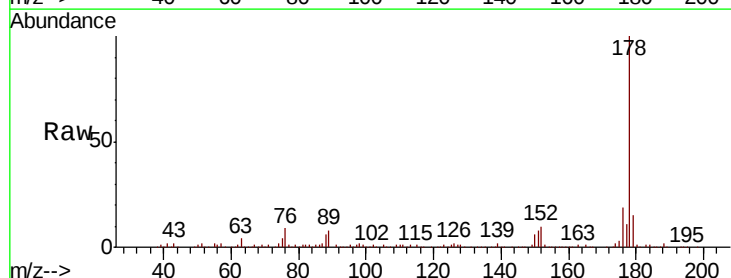
RT: 11.52 min Scan# 1604

Delta R.T. -0.02 min

Lab File: BF110176.D

Acq: 25 Oct 2018 22:29

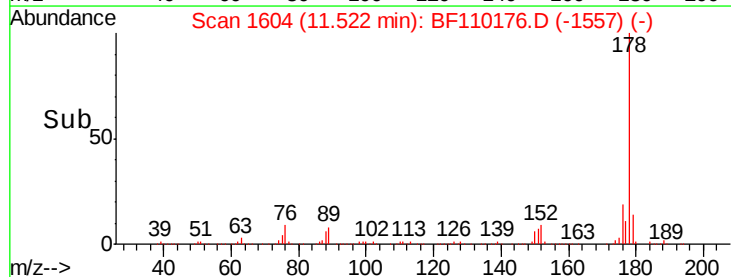
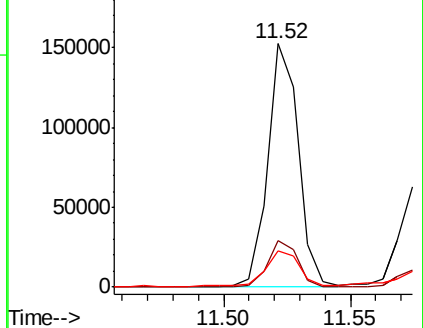
Tgt Ion:	178	Resp:	128575
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.5	23.3
179	14.7	12.5	18.7

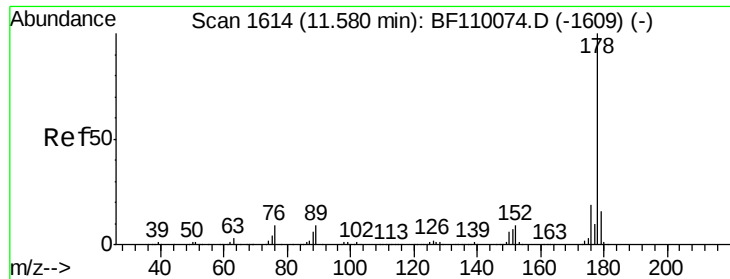


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.233 ng

RT: 11.57 min Scan# 1613

Delta R.T. -0.02 min

Lab File: BF110176.D

Acq: 25 Oct 2018 22:29

Instrument :

BNA_F

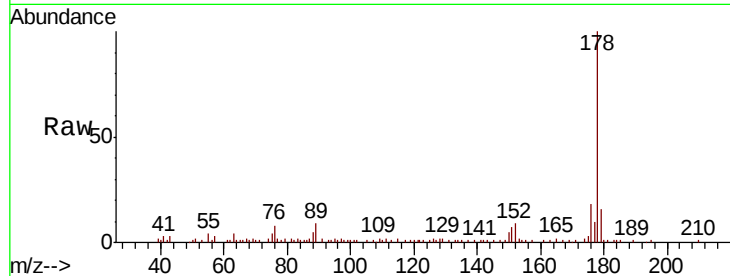
ClientSampleId :

DW-06

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.2
179	16.1	12.6	18.8

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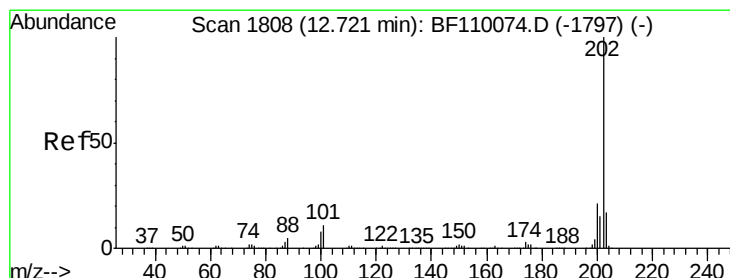
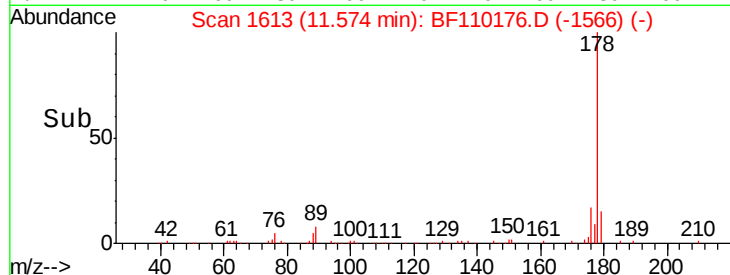
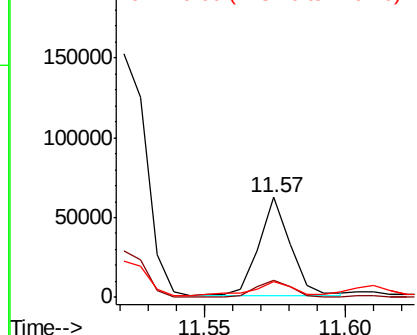


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 11.235 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.02 min

Lab File: BF110176.D

Acq: 25 Oct 2018 22:29

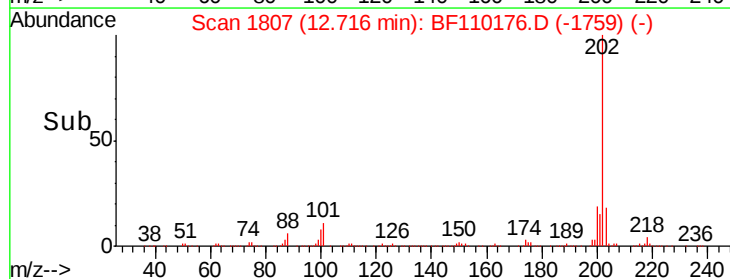
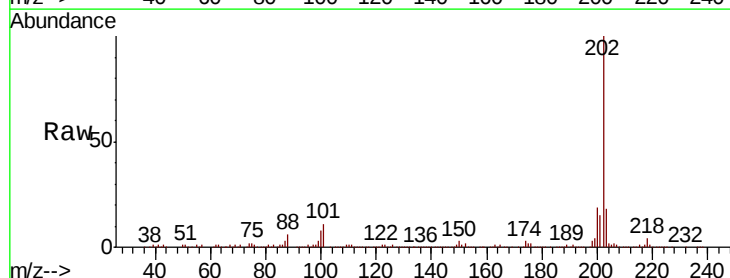
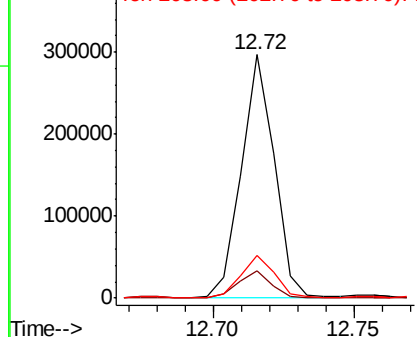
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.4
203	17.7	0.0	37.7

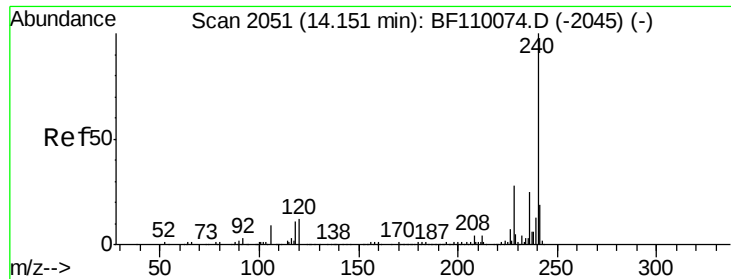
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.02 min

Lab File: BF110176.D

Acq: 25 Oct 2018 22:29

Instrument :

BNA_F

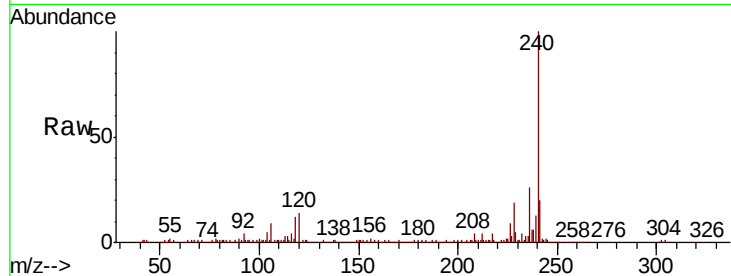
ClientSampleId :

DW-06

Tot Ion:	240	Resp:	293532
Ion Ratio	Lower	Upper	
240	100		
120	13.9	8.3	12.5#
236	25.7	21.2	31.8

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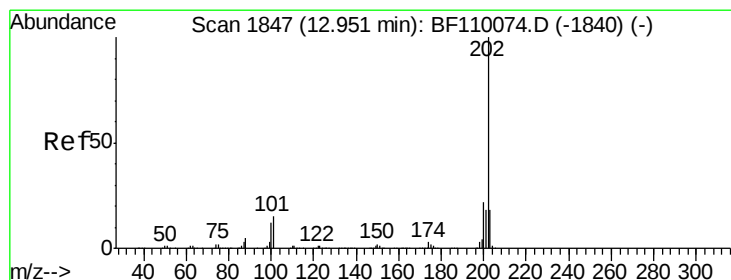
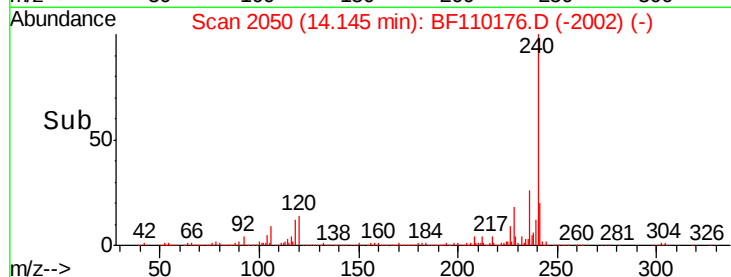
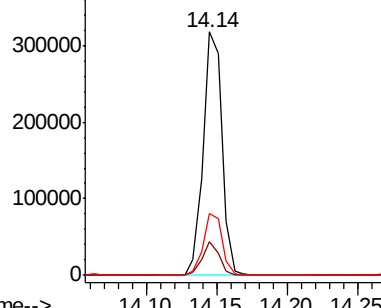


Abundance

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



#78

Pyrene

Concen: 13.913 ng

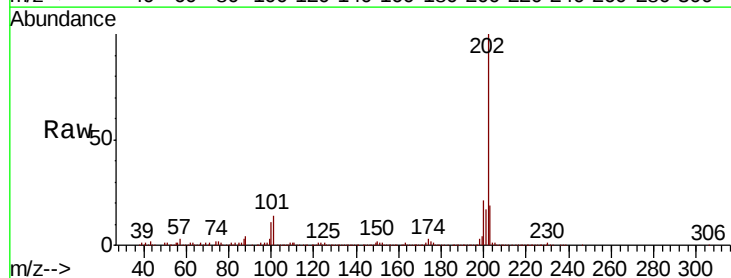
RT: 12.94 min Scan# 1846

Delta R.T. -0.02 min

Lab File: BF110176.D

Acq: 25 Oct 2018 22:29

Tgt Ion:	202	Resp:	292787
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.8	26.6
203	18.6	14.2	21.4

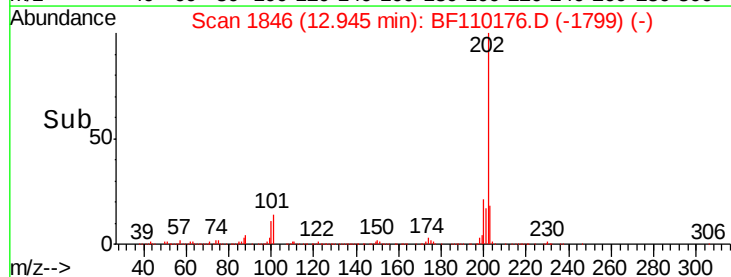
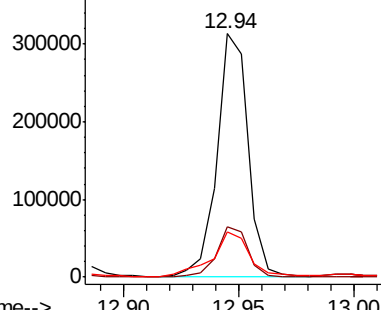


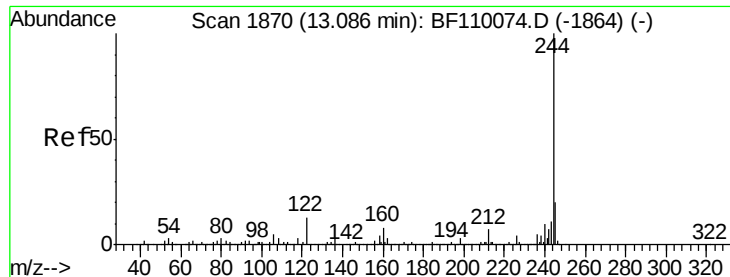
Abundance

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





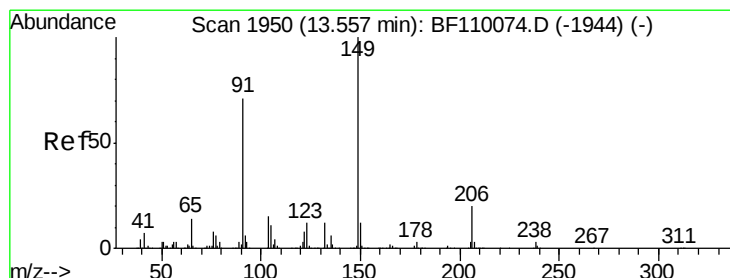
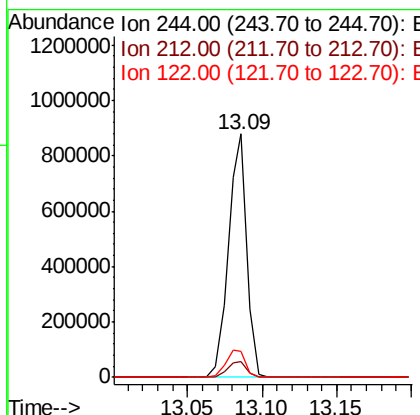
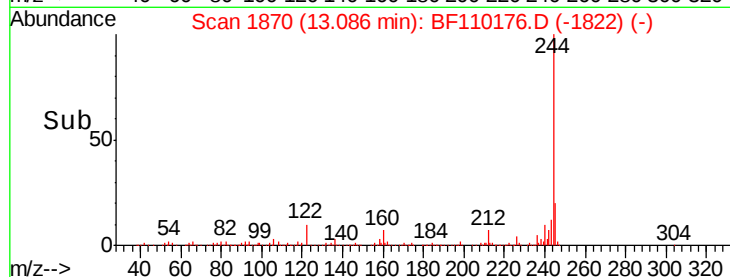
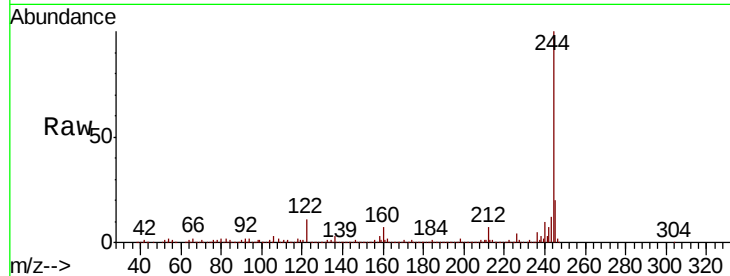
#79
 Terphenyl-d14
 Concen: 54.247 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.02 min
 Lab File: BF110176.D
 Acq: 25 Oct 2018 22:29

Instrument :
 BNA_F
 ClientSampled :
 DW-06

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	10.5	8.7	13.1

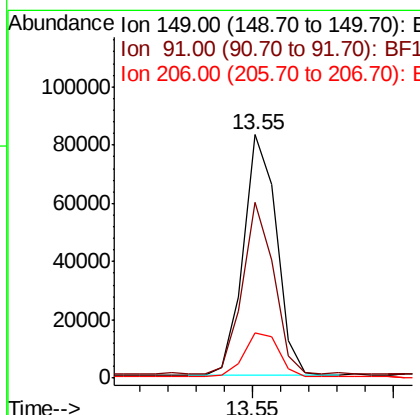
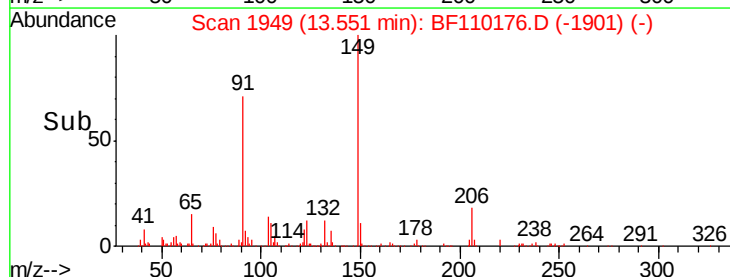
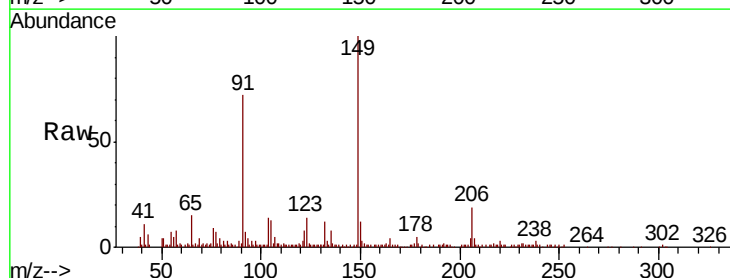
Manual Integrations
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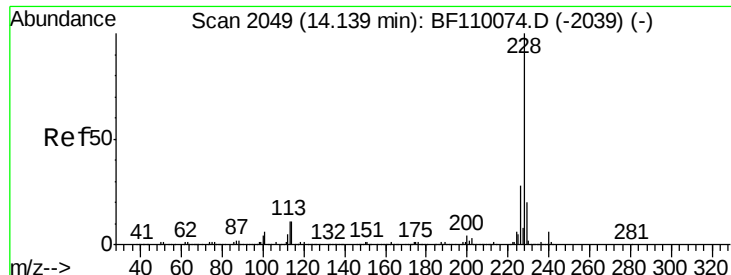
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#80
 Butylbenzylphthalate
 Concen: 7.443 ng
 RT: 13.55 min Scan# 1949
 Delta R.T. -0.02 min
 Lab File: BF110176.D
 Acq: 25 Oct 2018 22:29

Tgt Ion	Ratio	Lower	Upper
149	100		
91	72.2	57.2	85.8
206	18.6	15.7	23.5





#81

Benzo(a)anthracene

Concen: 9.468 ng

RT: 14.14 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BF110176.D

Acq: 25 Oct 2018 22:29

Instrument :

BNA_F

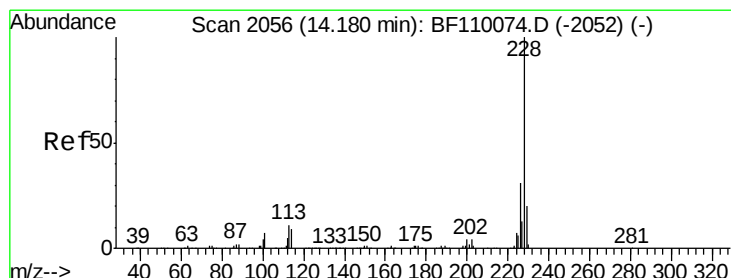
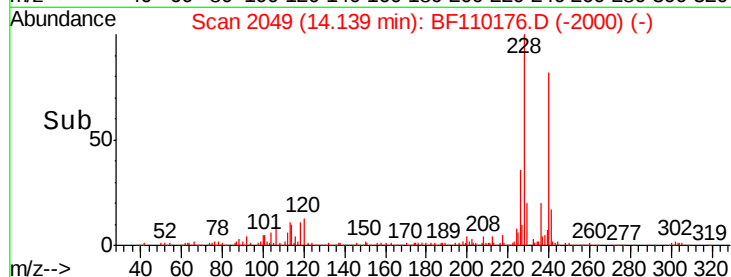
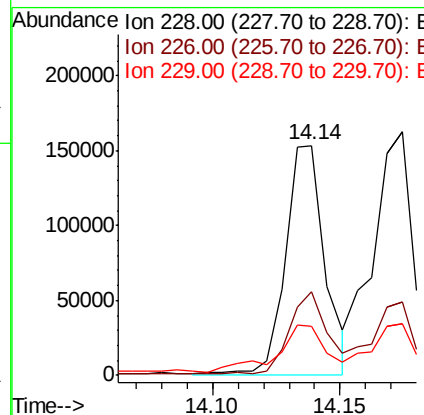
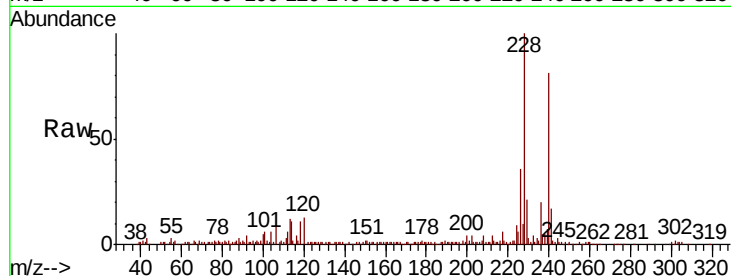
ClientSampled :

DW-06

Tot Ion:	228	Resp:	164802
Ion Ratio	Lower	Upper	
228	100		
226	36.3	22.1	33.1#
229	21.2	15.6	23.4

Manual Integrations
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#83

Chrysene

Concen: 10.491 ng

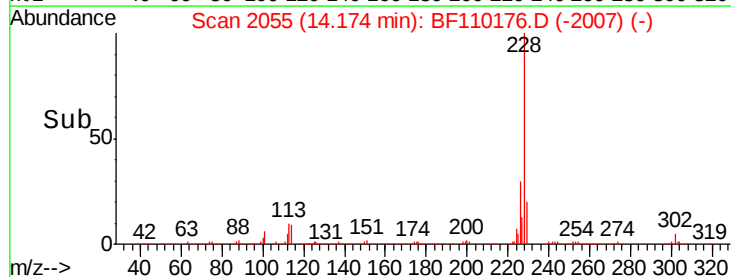
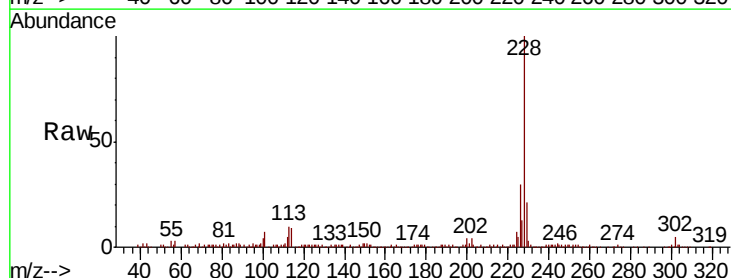
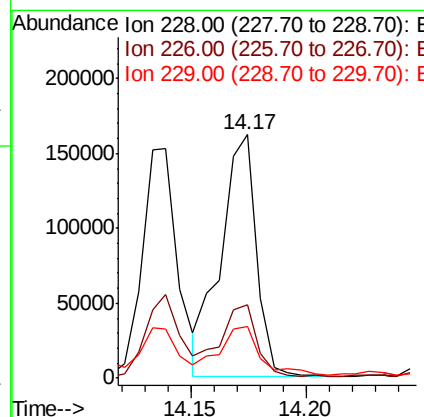
RT: 14.17 min Scan# 2055

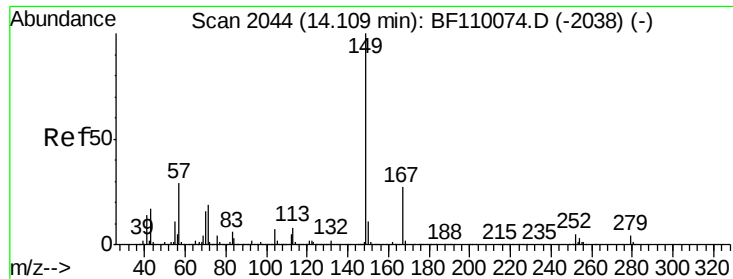
Delta R.T. -0.02 min

Lab File: BF110176.D

Acq: 25 Oct 2018 22:29

Tgt Ion:	228	Resp:	173447
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.7	37.1
229	21.1	15.9	23.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.377 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.02 min

Lab File: BF110176.D

Acq: 25 Oct 2018 22:29

Instrument :

BNA_F

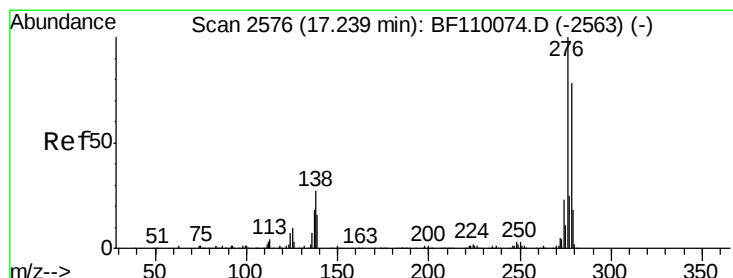
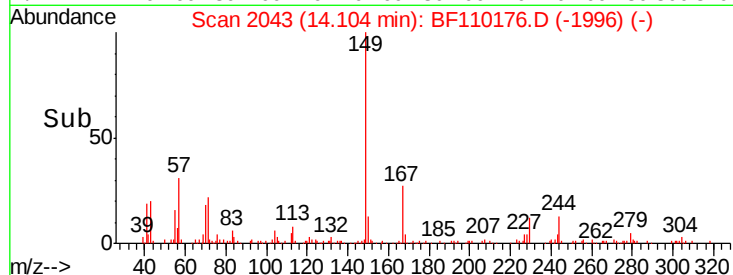
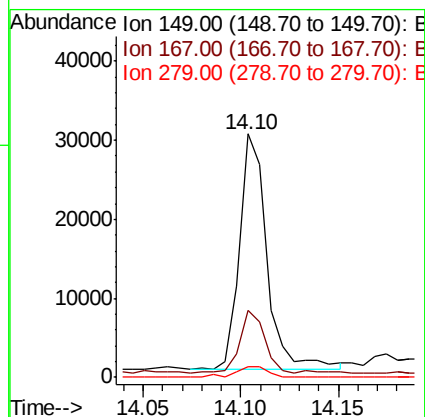
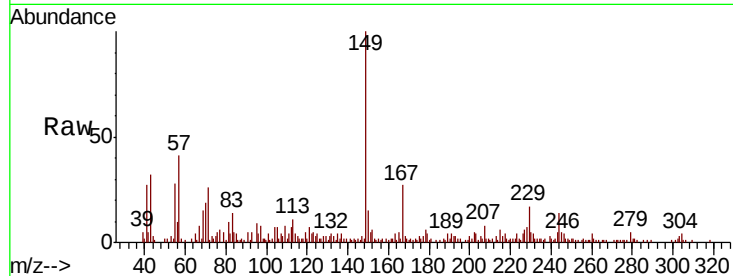
ClientSampleId :

DW-06

Tot Ion:	149	Resp:	29351
Ion Ratio	Lower	Upper	
149	100		
167	27.3	19.8	29.8
279	4.6	2.7	4.1#

Manual Integrations
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#86

Indeno(1,2,3-cd)pyrene

Concen: 5.439 ng

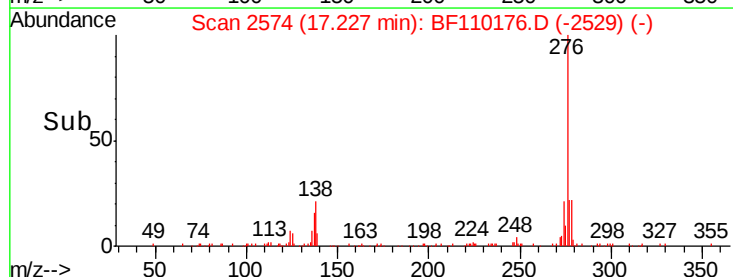
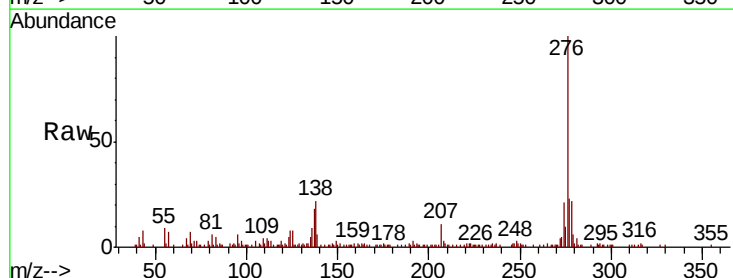
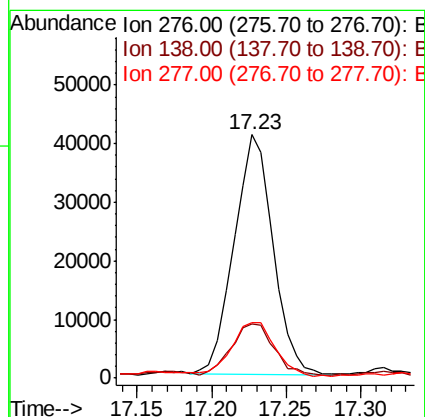
RT: 17.23 min Scan# 2574

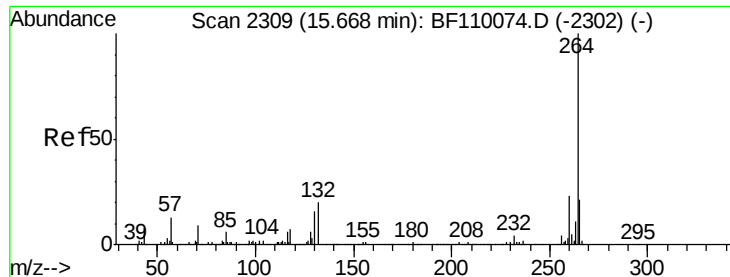
Delta R.T. -0.04 min

Lab File: BF110176.D

Acq: 25 Oct 2018 22:29

Tgt Ion:	276	Resp:	74599
Ion Ratio	Lower	Upper	
276	100		
138	23.2	18.5	27.7
277	24.9	20.0	30.0





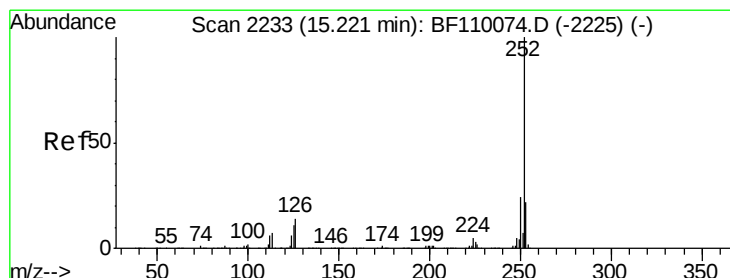
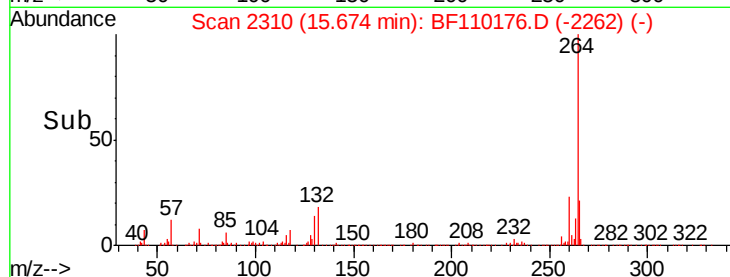
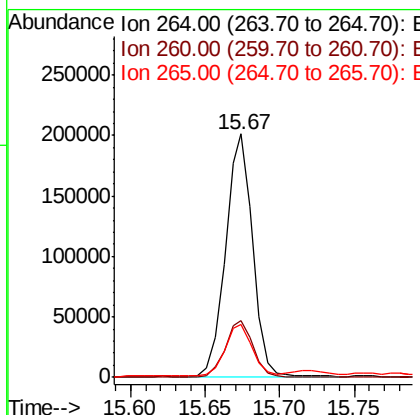
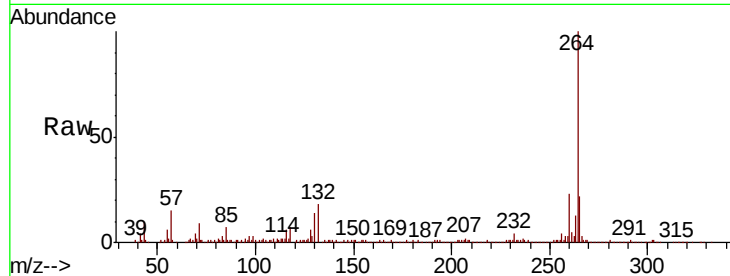
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. -0.02 min
Lab File: BF110176.D
Acq: 25 Oct 2018 22:29

Instrument :
BNA_F
ClientSampleID :
DW-06

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.7	16.7	25.1

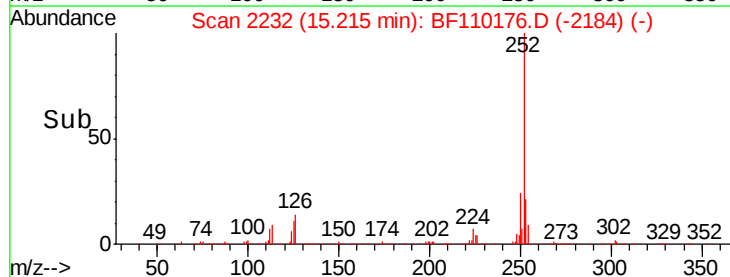
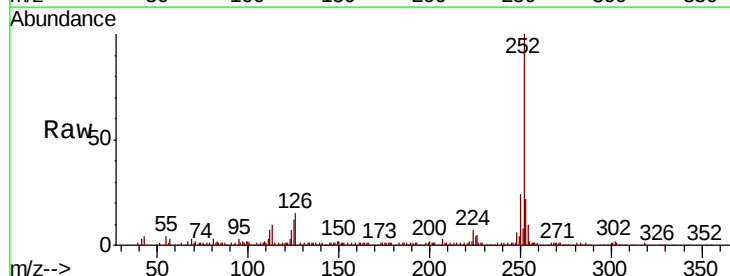
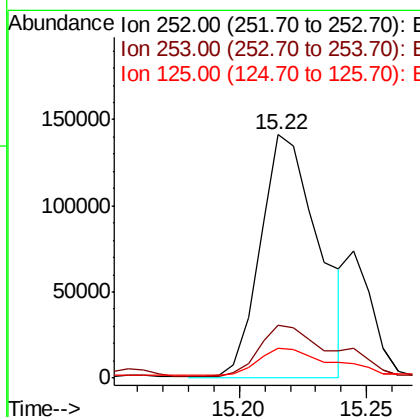
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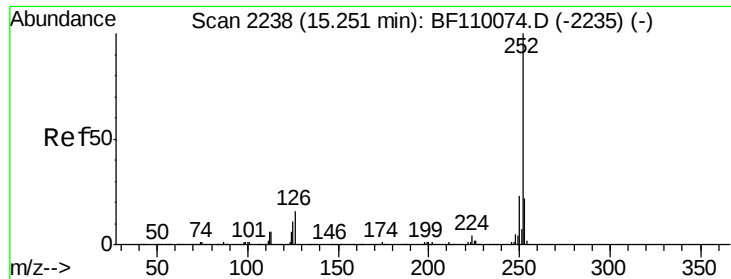
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#88
Benzo(b)fluoranthene
Concen: 15.351 ng m
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF110176.D
Acq: 25 Oct 2018 22:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	12.0	8.2	12.4





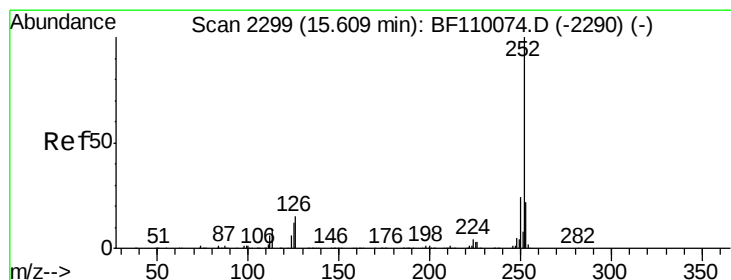
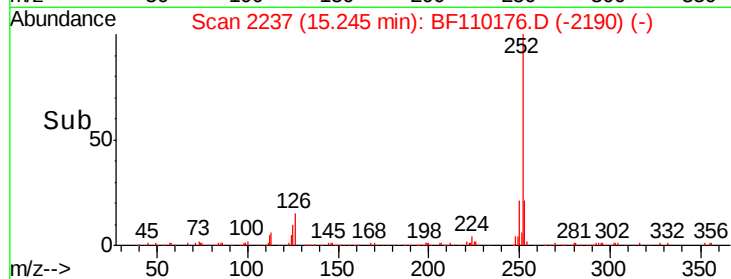
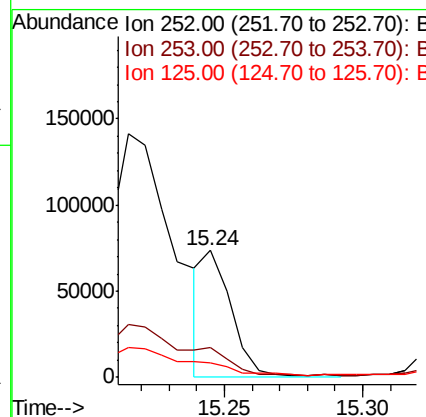
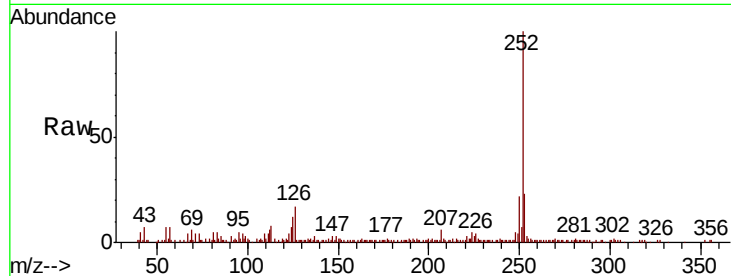
#89
Benzo(k)fluoranthene
Concen: 3.707 ng m
RT: 15.24 min Scan# 2237
Delta R.T. -0.02 min
Lab File: BF110176.D
Acq: 25 Oct 2018 22:29

Instrument :
BNA_F
ClientSampleId :
DW-06

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.2	25.8
125	11.9	7.4	11.0

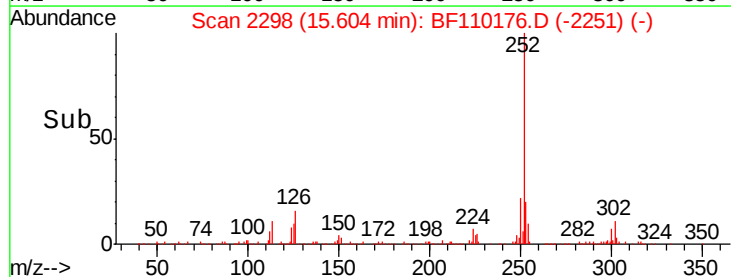
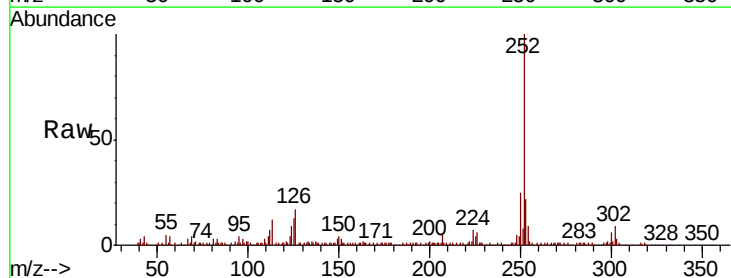
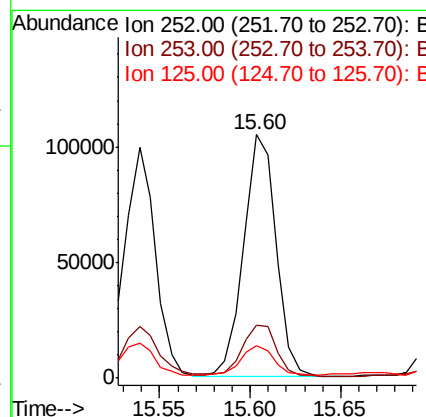
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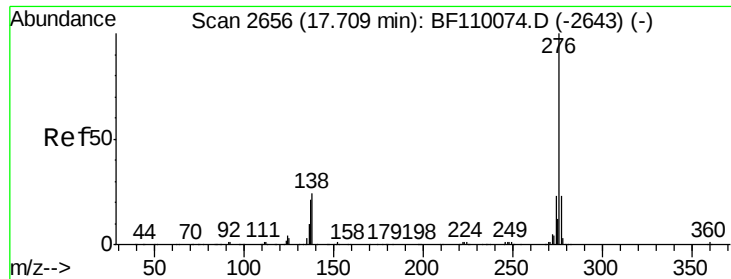
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#90
Benzo(a)pyrene
Concen: 9.570 ng
RT: 15.60 min Scan# 2298
Delta R.T. -0.02 min
Lab File: BF110176.D
Acq: 25 Oct 2018 22:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.4
125	13.1	9.0	13.6





#92
 Benzo(a,h,i)perylene
 Concen: 6.540 ng
 RT: 17.70 min Scan# 2655
 Delta R.T. -0.04 min
 Lab File: BF110176.D
 Acq: 25 Oct 2018 22:29

Instrument :
 BNA_F
 ClientSampleId :
 DW-06

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.2	18.8	28.2
138	24.6	16.0	24.0

Manual Integrations
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