

Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
 Data File : BF102436.D
 Acq On : 25 Jan 2018 21:05
 Operator : SJ/JU
 Sample : J1256-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DB-OF-E-W-(SW0-4)

Manual Integrations
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Sohil
 1/26/2018 11:24:35 AM

Quant Time: Jan 26 00:48:28 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 25 13:44:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	140149	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	563298	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	234837	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	326817	20.00	ng	0.00
75) Chrysene-d12	13.88	240	222389	20.00	ng	0.00
86) Perylene-d12	15.32	264	225985	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	985683	106.64	ng	0.01
7) Phenol-d6	6.36	99	1178089	105.72	ng	0.00
23) Nitrobenzene-d5	7.29	82	732795	74.76	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	199351	85.67	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1138023	71.25	ng	0.00
78) Terphenyl-d14	12.83	244	681445	69.08	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.37	94	65313	5.369	ng	99
31) Naphthalene	8.02	128	79831	2.838	ng	98
37) 2-Methylnaphthalene	8.71	142	38310	2.045	ng	94
49) Dimethylphthalate	9.47	163	266377	13.723	ng	99
51) Acenaphthene	9.78	154	66484	4.477	ng	98
54) Dibenzofuran	9.96	168	75868	3.775	ng	97
57) Fluorene	10.30	166	80112	5.030	ng	98
70) Phenanthrene	11.26	178	599891	31.500	ng	99
71) Anthracene	11.31	178	154042	7.925	ng	99
72) Carbazole	11.47	167	71848	3.789	ng	97
74) Fluoranthene	12.46	202	578241	29.775	ng	97
77) Pylene	12.68	202	525682	30.573	ng	99
80) Benzo(a)anthracene	13.87	228	234222	17.107	ng	98
82) Chrysene	13.91	228	227784	16.383	ng	97
85) Indeno(1,2,3-cd)pyrene	16.72	276	113434	9.879	ng	96
87) Benzo(b)fluoranthene	14.91	252	281822m	19.241	ng	
88) Benzo(k)fluoranthene	14.93	252	75622m	5.465	ng	
89) Benzo(a)pyrene	15.26	252	188398	14.262	ng	# 88
90) Dibenzo(a,h)anthracene	16.73	278	30288	2.830	ng	# 72
91) Benzo(a,h,i)perylene	17.14	276	104823	9.921	ng	91

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

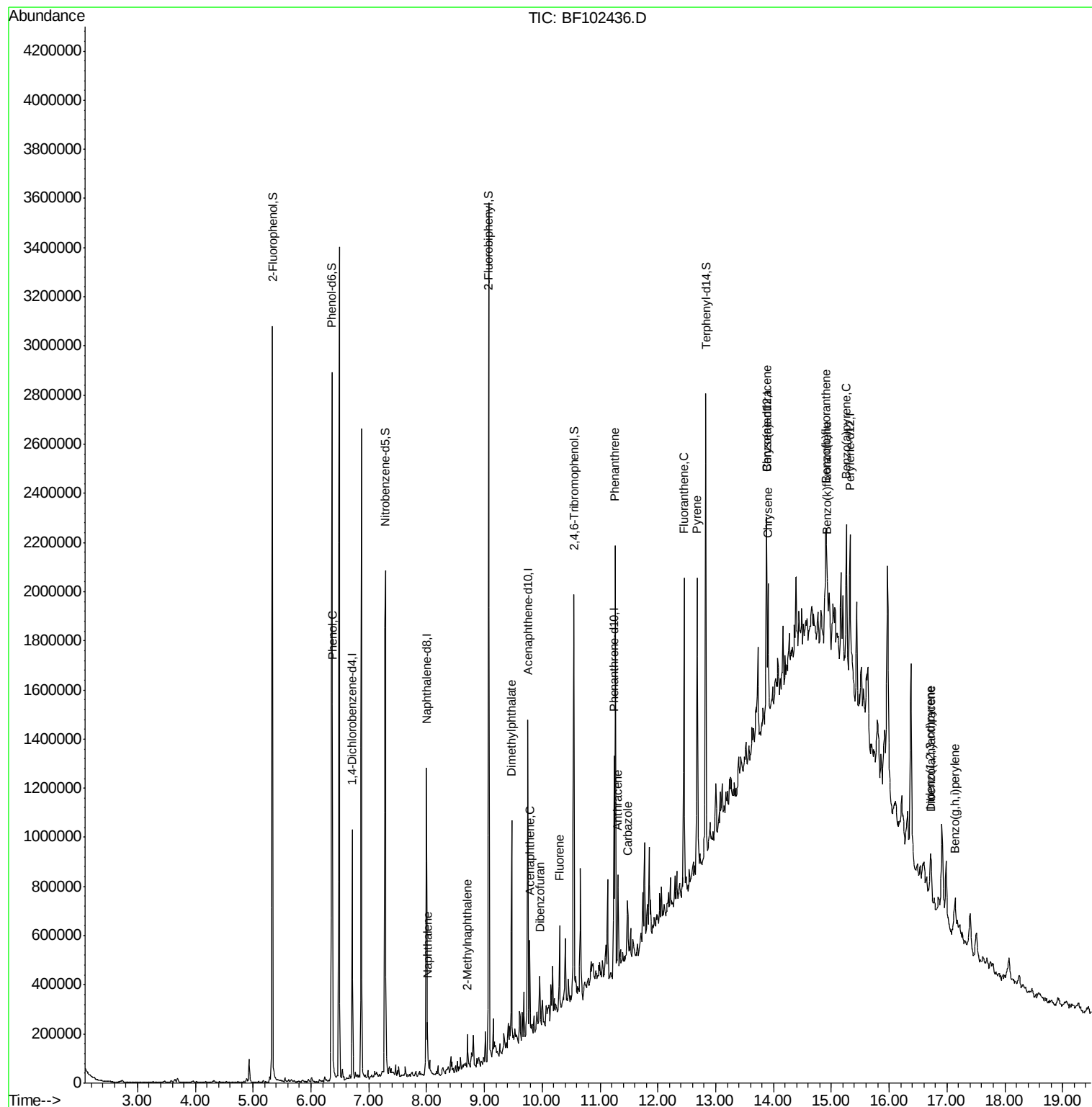
Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
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ALS Vial : 7 Sample Multiplier: 1

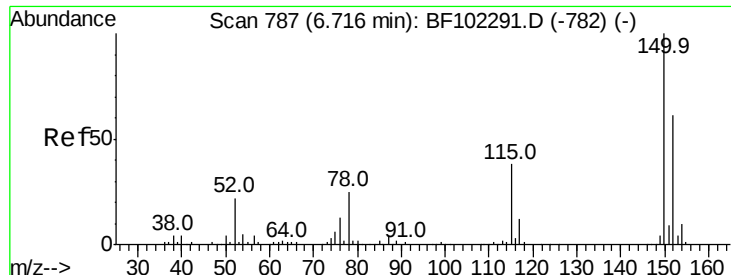
Instrument :
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#1

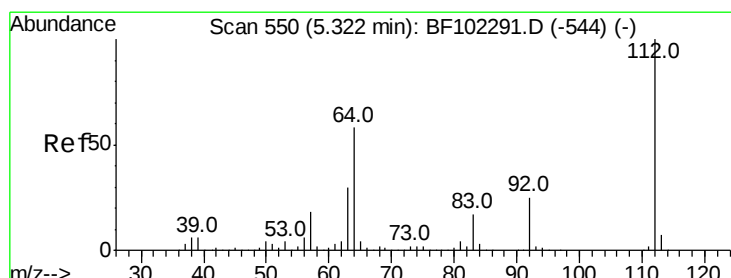
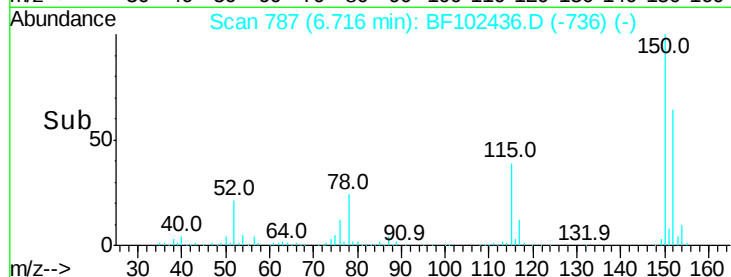
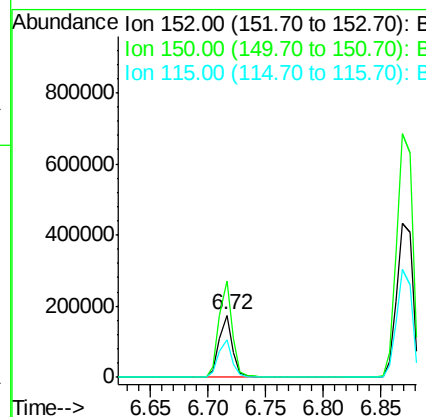
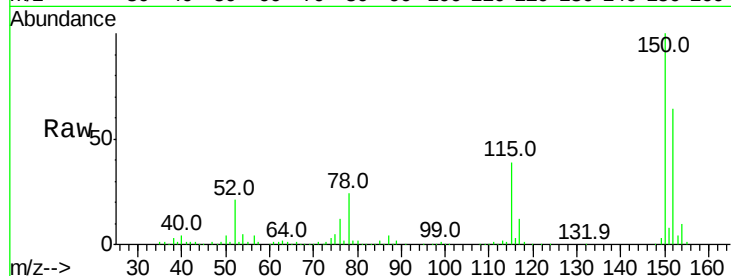
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102436.D
Acq: 25 Jan 2018 21:05

Instrument :
BNA_F
ClientSampleId :
DB-OF-E-W-(SW0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.6	186.8
115	61.2	50.1	75.1

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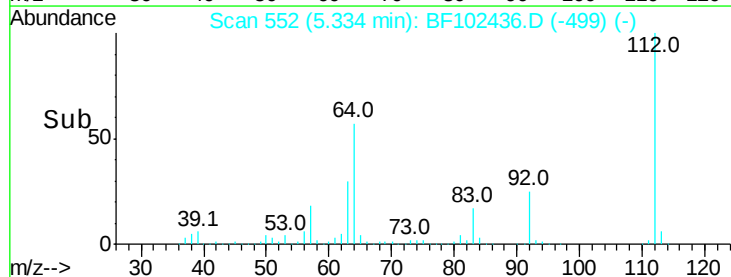
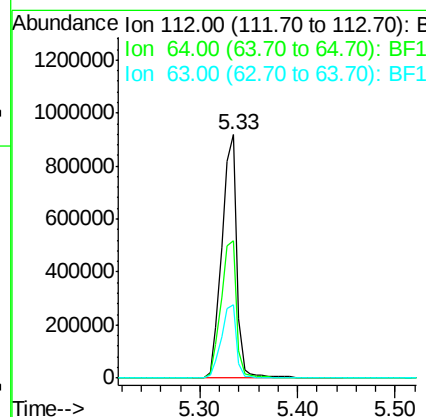
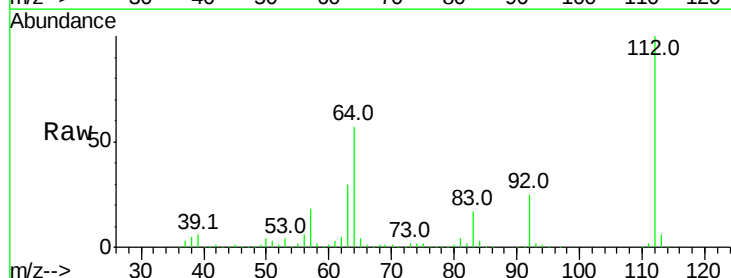
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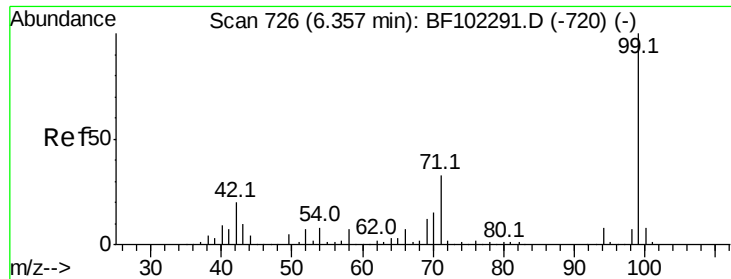


#5

2-Fluorophenol
Concen: 106.640 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102436.D
Acq: 25 Jan 2018 21:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	47.9	71.9
63	30.0	23.7	35.5





#7

Phenol-d6

Concen: 105.721 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102436.D

Acq: 25 Jan 2018 21:05

Instrument :

BNA_F

ClientSampleId :

DB-OF-E-W-(SW0-4)

Tot Ion: 99 Resp: 1178089

Ion Ratio Lower Upper

99 100

42 19.1 14.5 21.7

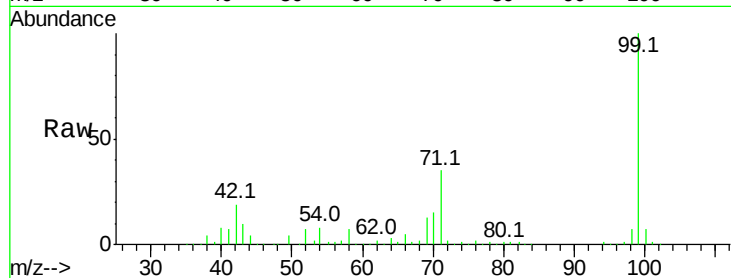
71 34.7 25.4 38.0

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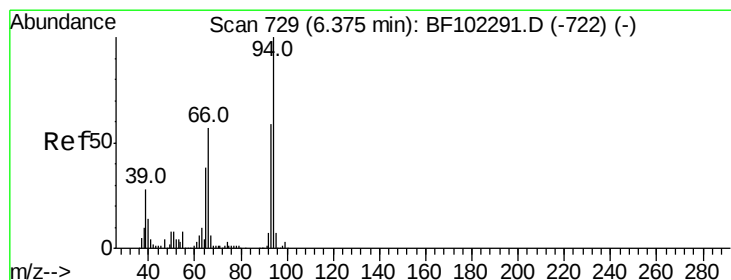
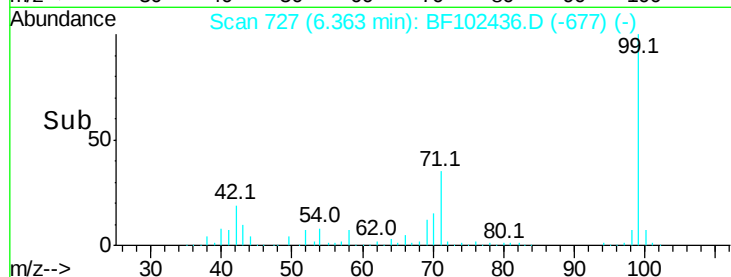
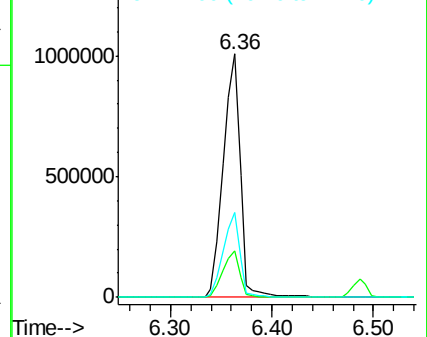
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 5.369 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF102436.D

Acq: 25 Jan 2018 21:05

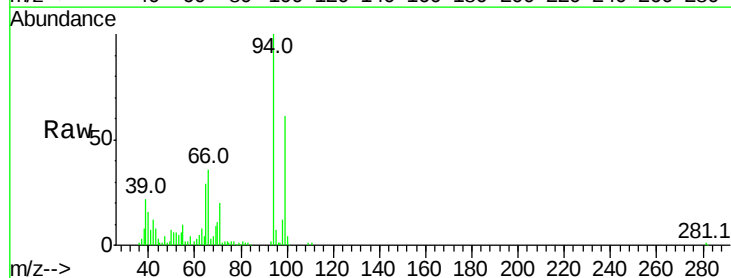
Tgt Ion: 94 Resp: 65313

Ion Ratio Lower Upper

94 100

65 29.4 7.9 47.9

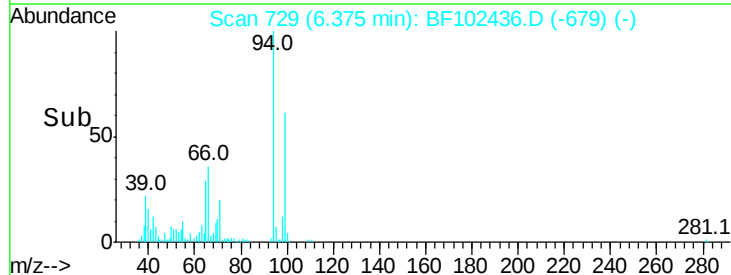
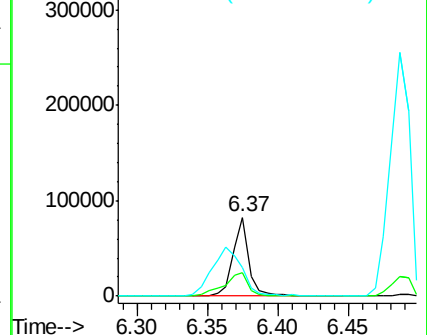
66 36.1 16.2 56.2

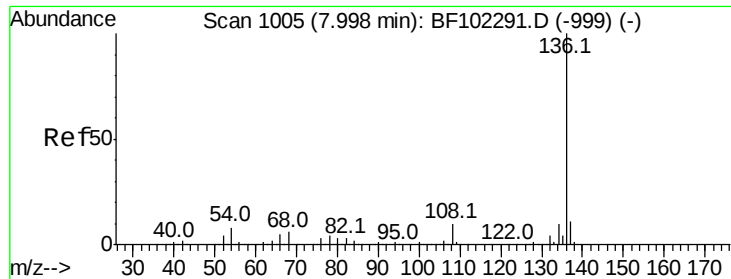


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





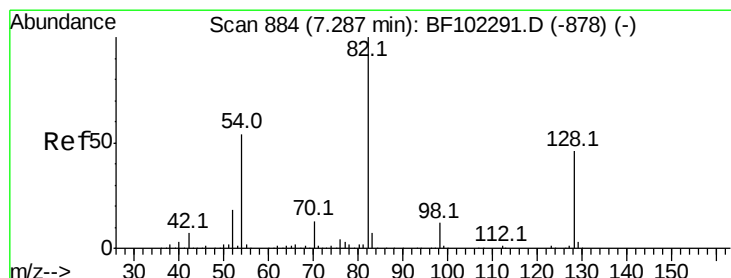
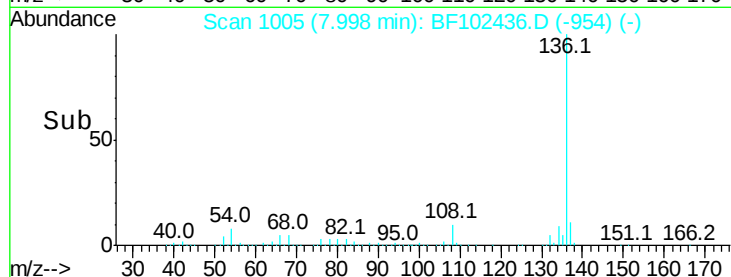
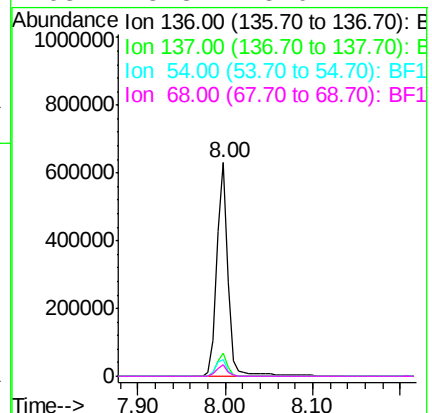
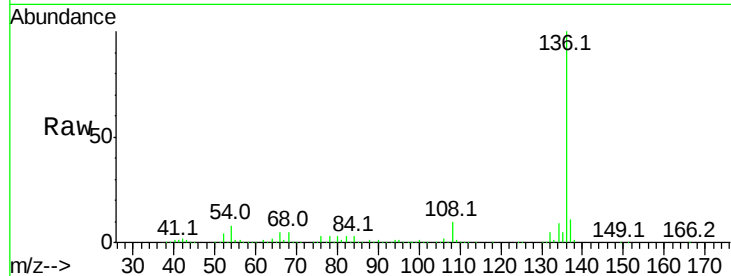
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF102436.D
Acq: 25 Jan 2018 21:05

Instrument :
BNA_F
ClientSampleId :
DB-OF-E-W-(SW0-4)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.9	13.3	
54	7.7	6.6	9.8	
68	5.3	5.0	7.4	

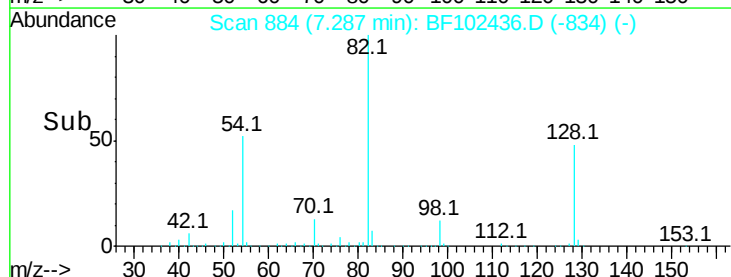
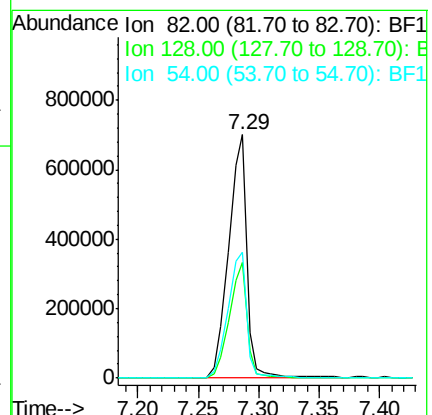
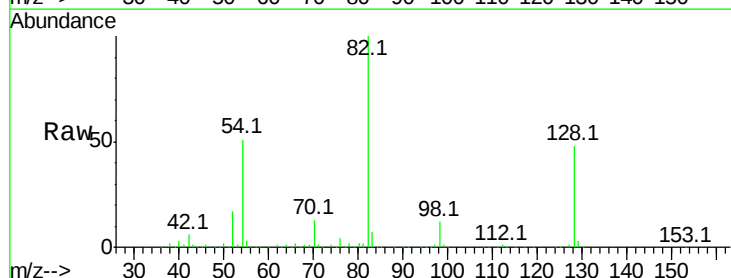
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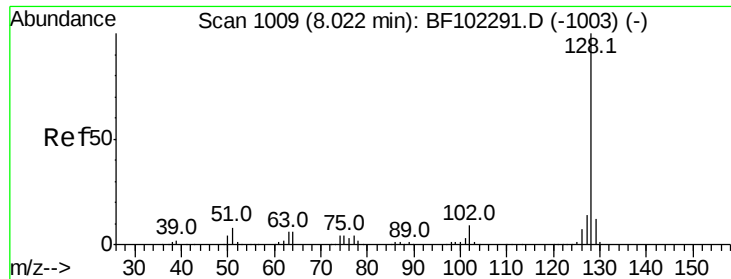
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#23
Nitrobenzene-d5
Concen: 74.759 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102436.D
Acq: 25 Jan 2018 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.6	36.1	54.1	
54	51.5	41.4	62.2	





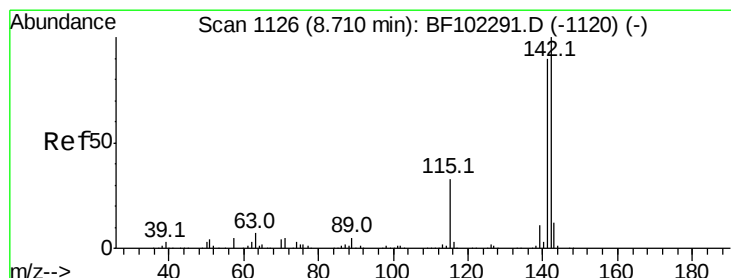
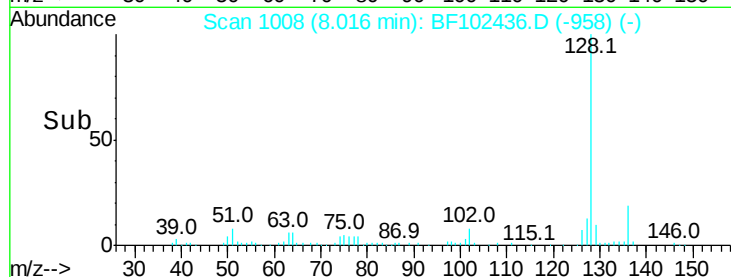
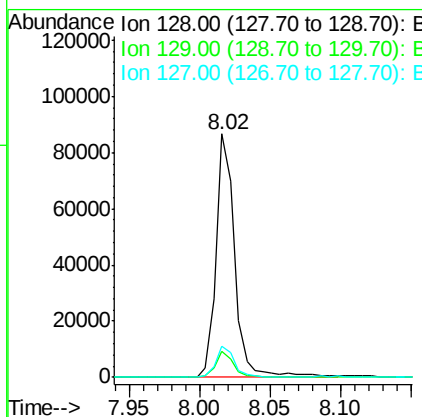
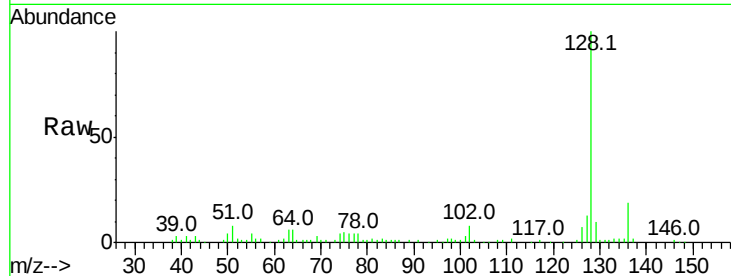
#31
Naphthalene
Concen: 2.838 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF102436.D
Acq: 25 Jan 2018 21:05

Instrument :
BNA_F
ClientSampleId :
DB-OF-E-W-(SW0-4)

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	12.7	10.9	16.3

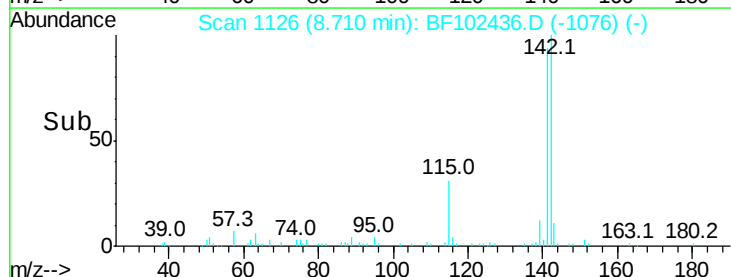
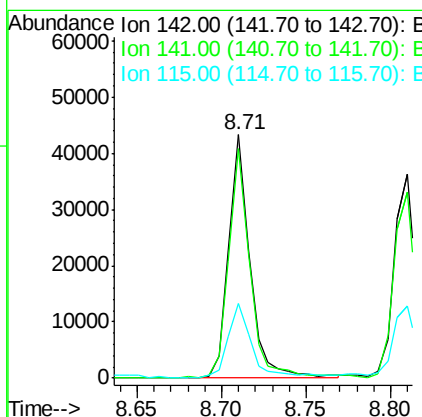
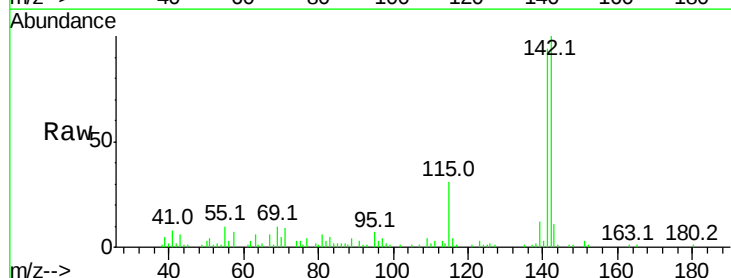
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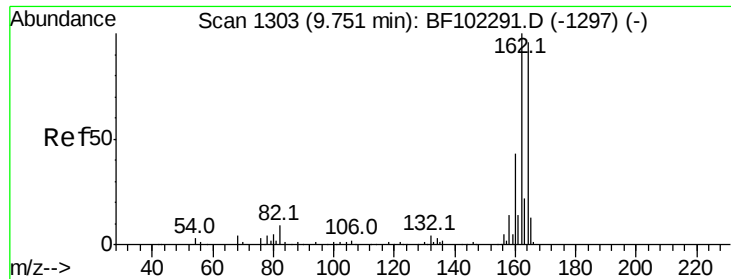
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#37
2-Methylnaphthalene
Concen: 2.045 ng
RT: 8.71 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF102436.D
Acq: 25 Jan 2018 21:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.5	70.8	106.2
115	30.6	26.1	39.1





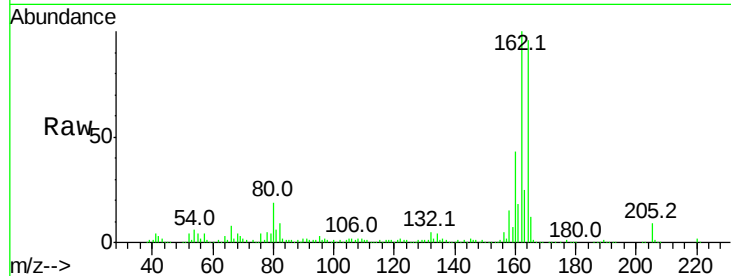
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF102436.D
Acq: 25 Jan 2018 21:05

Instrument :
BNA_F
ClientSampleId :
DB-OF-E-W-(SW0-4)

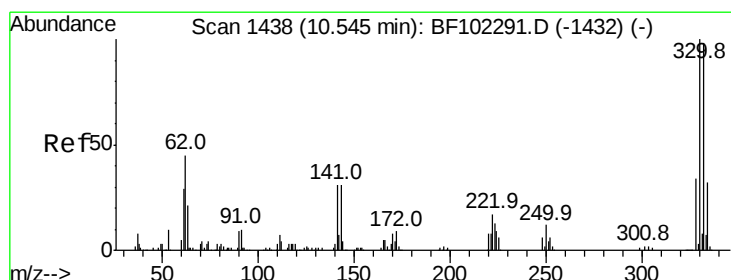
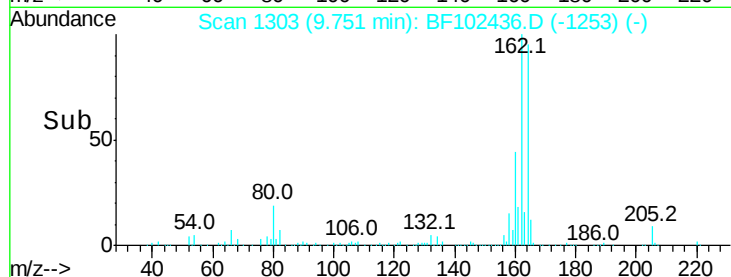
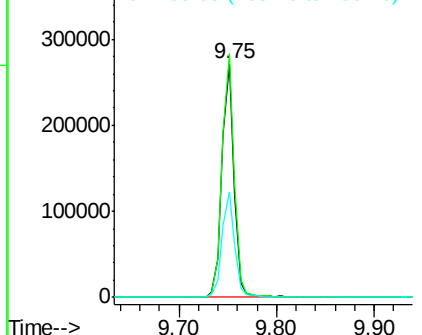
Tot Ion	Ratio	Resp	Lower	Upper
164	100	234837		
162	104.3	86.1	129.1	
160	45.3	38.3	57.5	

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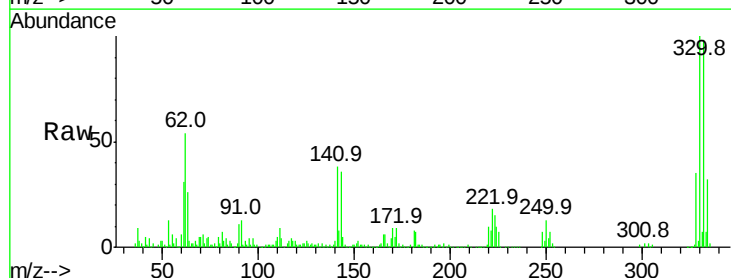


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

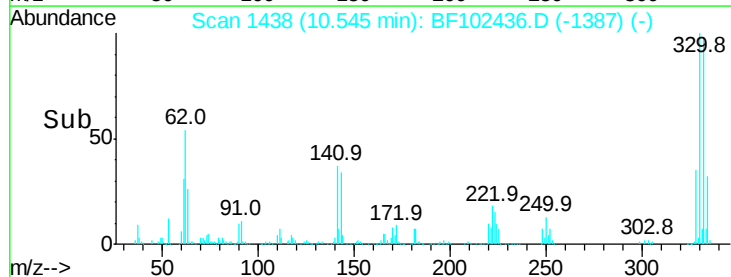
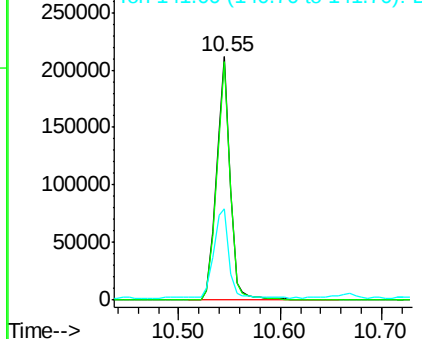


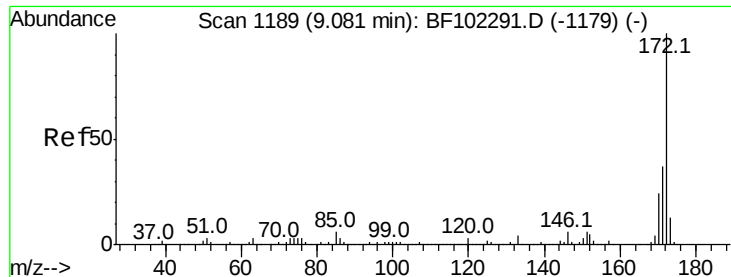
#41
2,4,6-Tribromophenol
Concen: 85.672 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BF102436.D
Acq: 25 Jan 2018 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	199351		
332	96.2	77.0	115.6	
141	40.6	29.9	44.9	



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





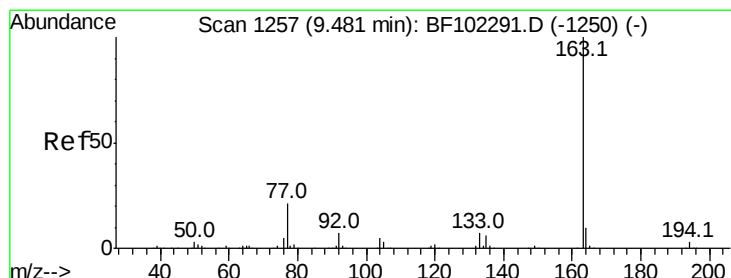
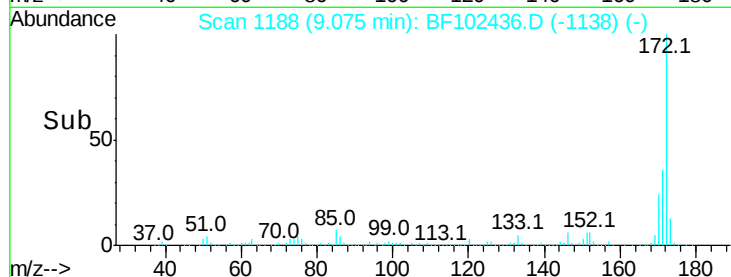
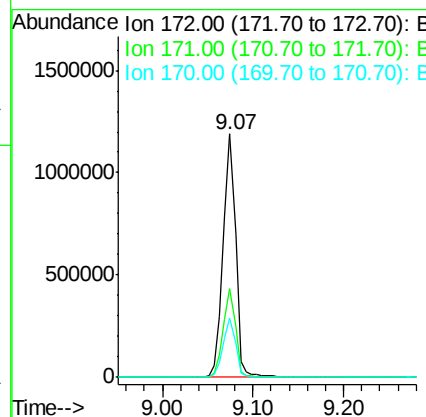
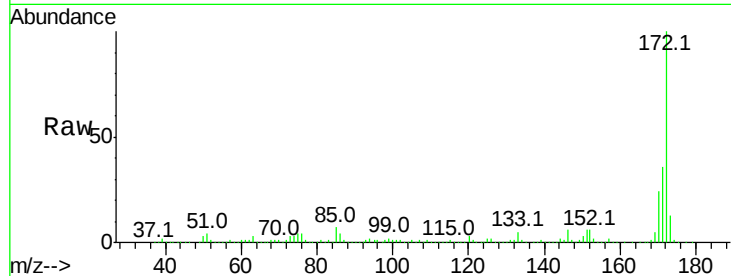
#44
2-Fluorobiphenyl
Concen: 71.253 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF102436.D
Acq: 25 Jan 2018 21:05

Instrument :
BNA_F
ClientSampleId :
DB-OF-E-W-(SW0-4)

Tot Ion:172 Resp: 1138023
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 24.3 19.6 29.4

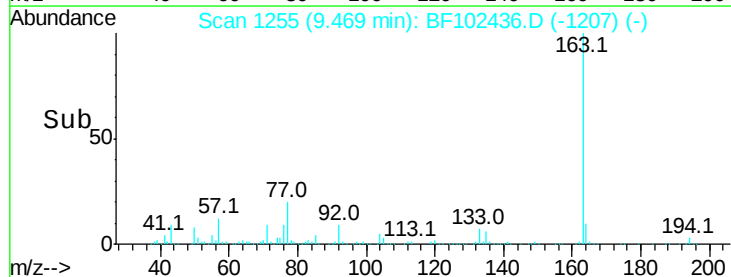
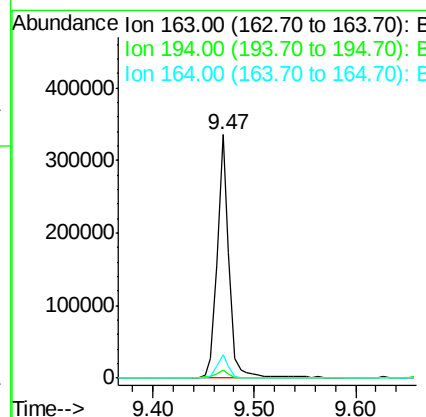
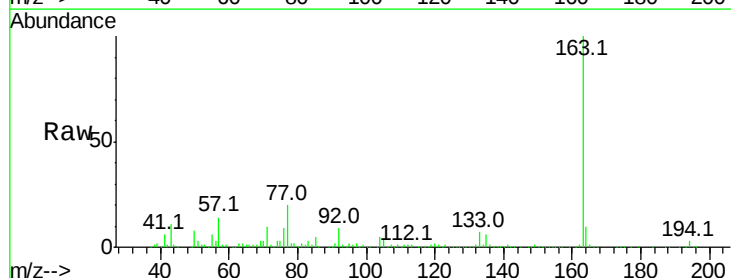
Manual Integrations
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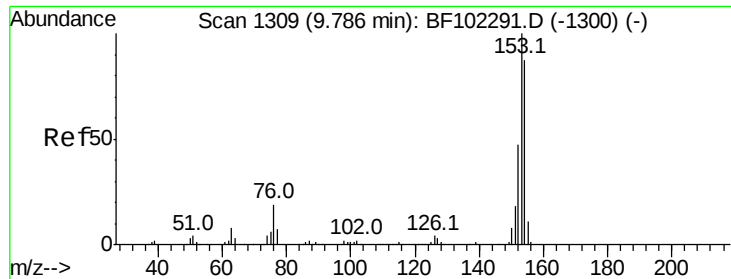
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#49
Dimethylphthalate
Concen: 13.723 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF102436.D
Acq: 25 Jan 2018 21:05

Tgt Ion:163 Resp: 266377
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.8 8.2 12.2





#51

Acenaphthene

Concen: 4.477 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF102436.D

Acq: 25 Jan 2018 21:05

Instrument :

BNA_F

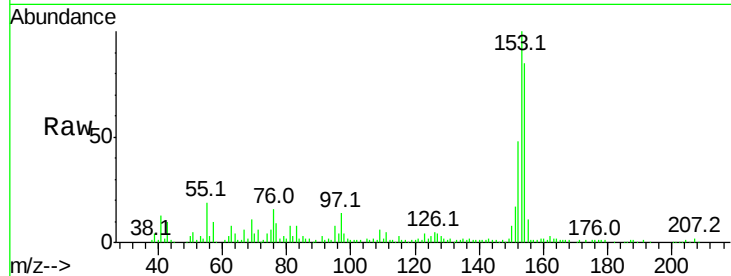
ClientSampleId :

DB-OF-E-W-(SW0-4)

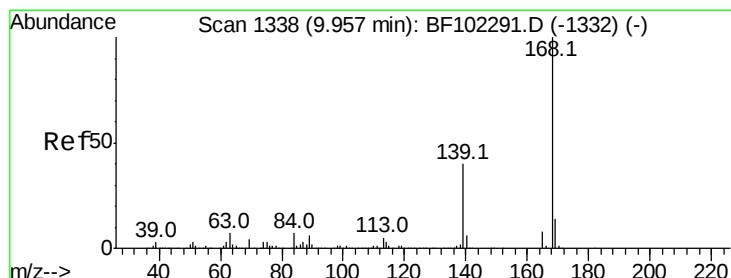
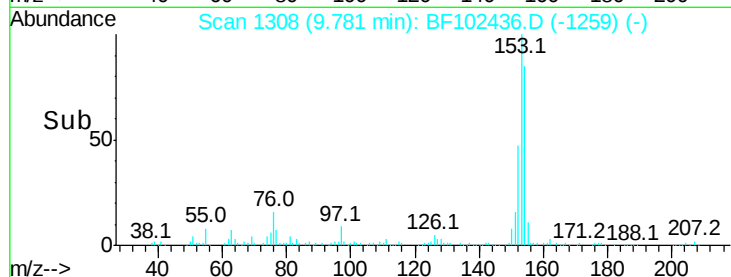
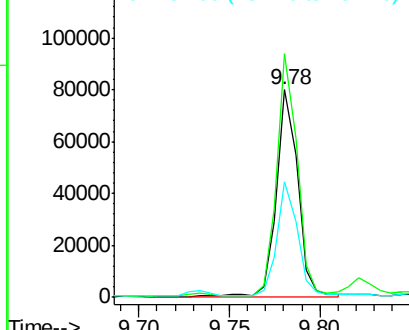
Tot Ion:	154	Resp:	66484
Ion	Ratio	Lower	Upper
154	100		
153	117.3	91.2	136.8
152	55.8	43.8	65.8

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: 3.775 ng

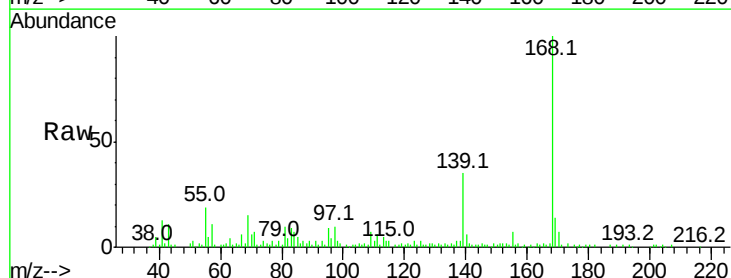
RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

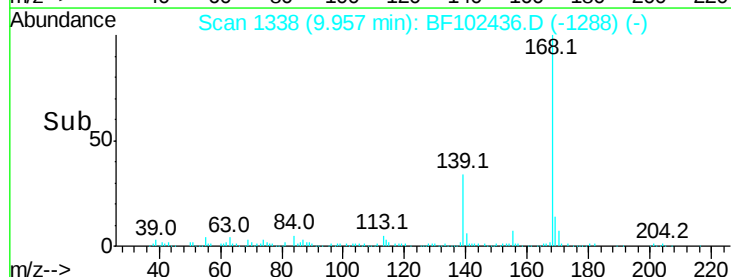
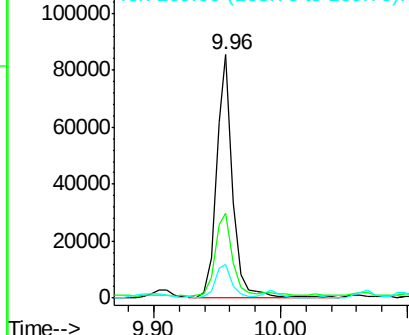
Lab File: BF102436.D

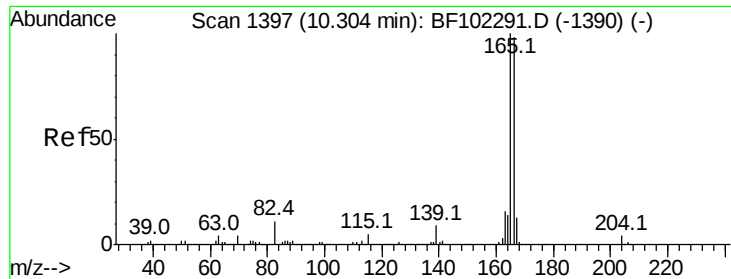
Acq: 25 Jan 2018 21:05

Tgt Ion:	168	Resp:	75868
Ion	Ratio	Lower	Upper
168	100		
139	34.8	30.1	45.1
169	13.6	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





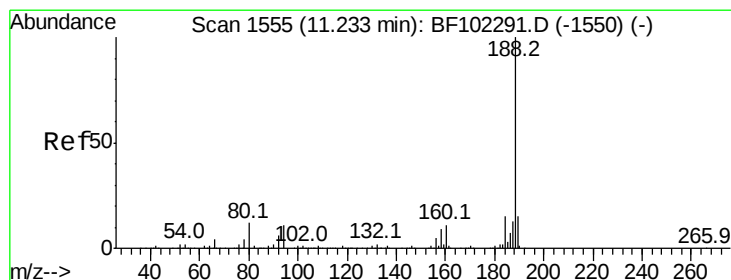
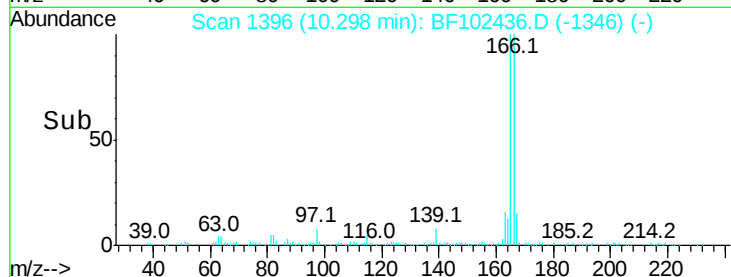
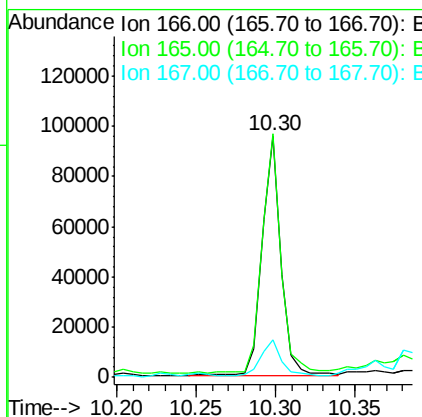
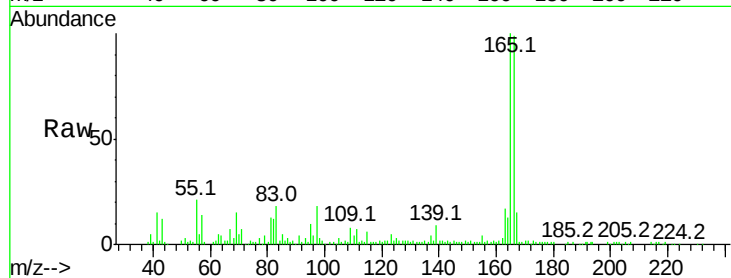
#57
Fluorene
Concen: 5.030 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF102436.D
Acq: 25 Jan 2018 21:05

Instrument :
BNA_F
ClientSampleId :
DB-OF-E-W-(SW0-4)

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.9	79.8	119.8
167	15.6	10.6	16.0

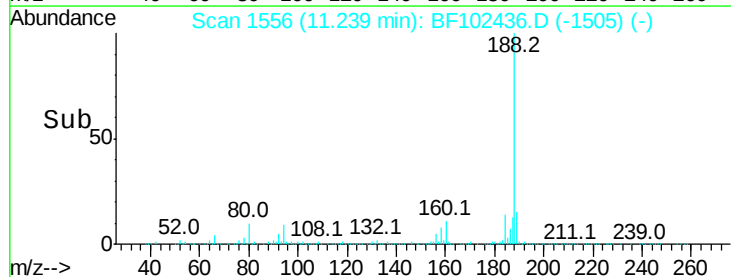
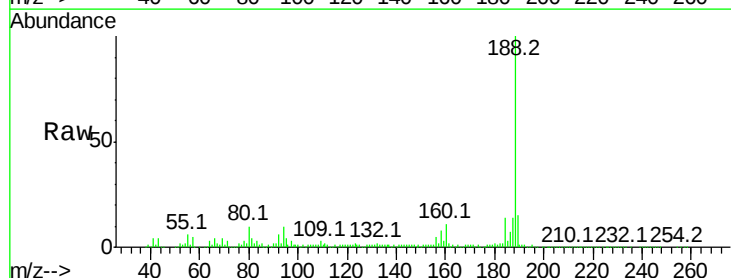
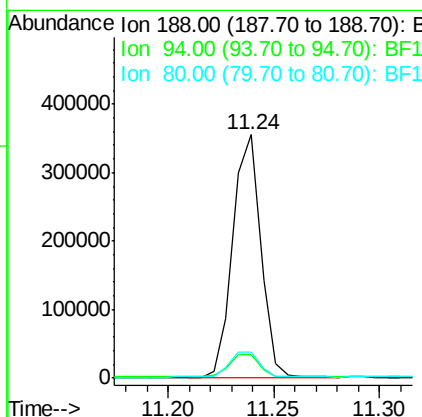
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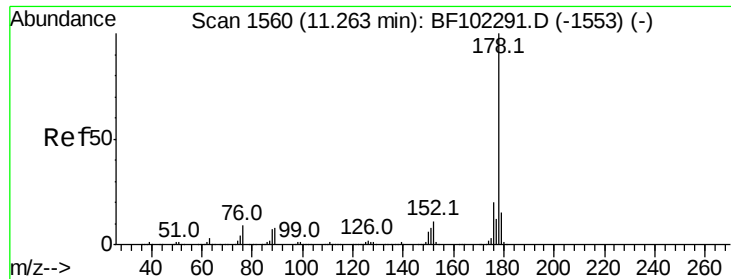
Sohil
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF102436.D
Acq: 25 Jan 2018 21:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	10.5	9.2	13.8





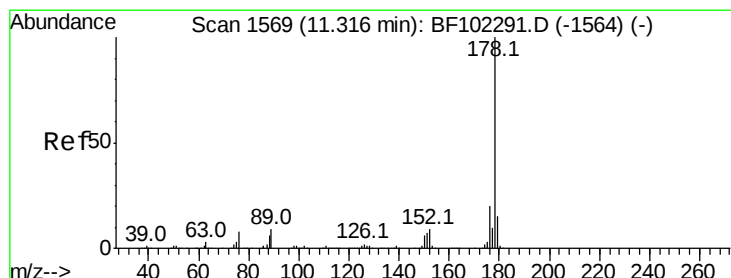
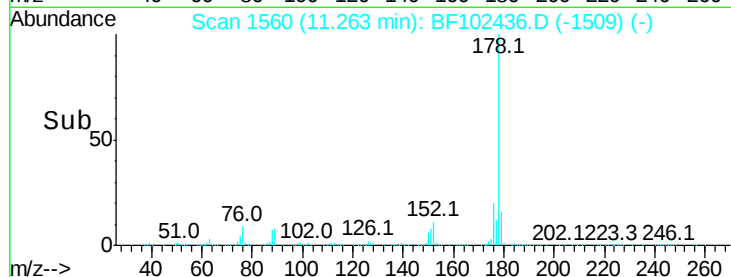
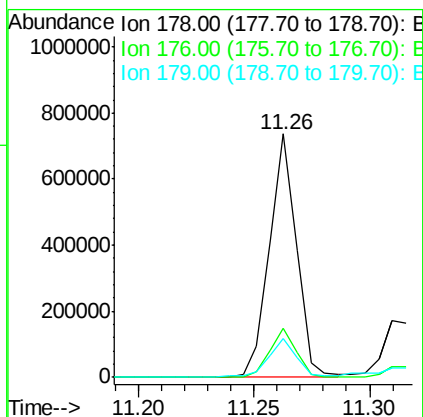
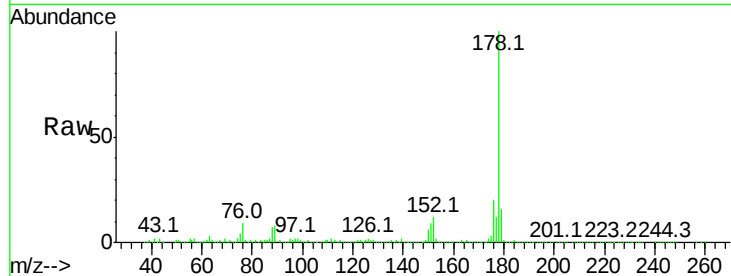
#70
Phenanthrene
Concen: 31.500 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF102436.D
Acq: 25 Jan 2018 21:05

Instrument :
BNA_F
ClientSampleId :
DB-OF-E-W-(SW0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	16.0	13.0	19.6

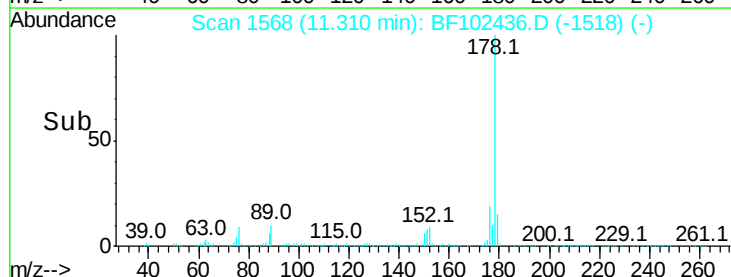
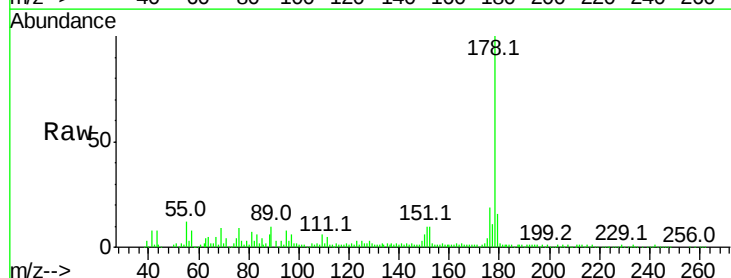
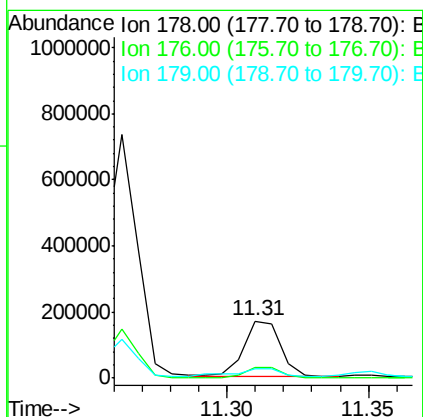
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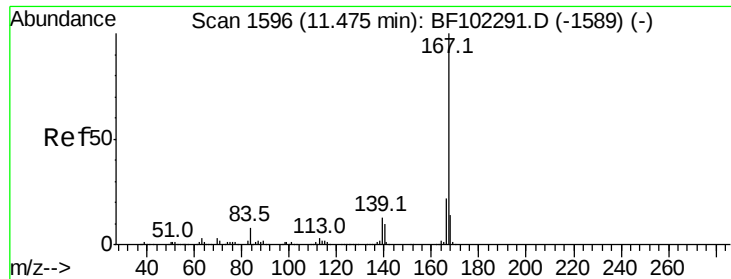
Sohil
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#71
Anthracene
Concen: 7.925 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF102436.D
Acq: 25 Jan 2018 21:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	16.2	12.6	19.0





#72

Carbazole

Concen: 3.789 ng

RT: 11.47 min Scan# 1596

Delta R.T. 0.00 min

Lab File: BF102436.D

Acq: 25 Jan 2018 21:05

Instrument :

BNA_F

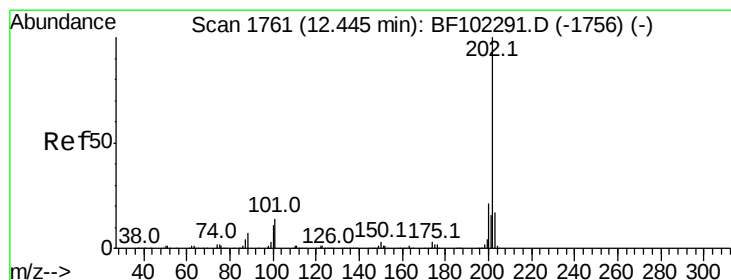
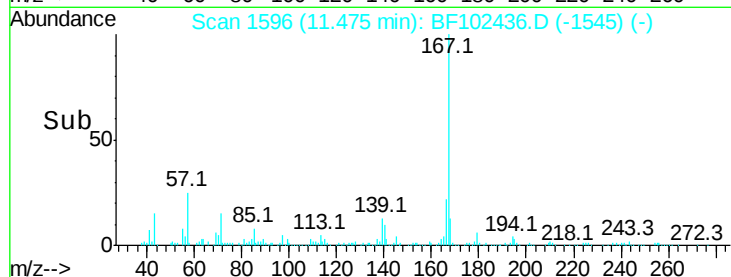
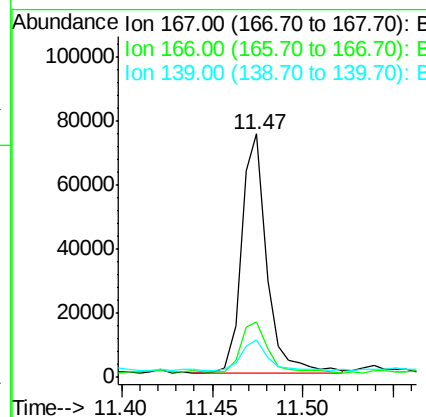
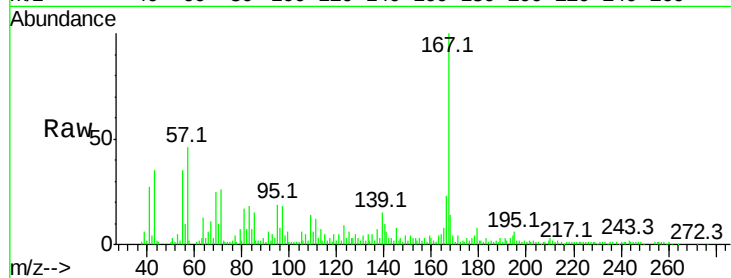
ClientSampleId :

DB-OF-E-W-(SW0-4)

Tot Ion:	167	Resp:	71848
Ion	Ratio	Lower	Upper
167	100		
166	23.0	17.6	26.4
139	15.2	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 29.775 ng

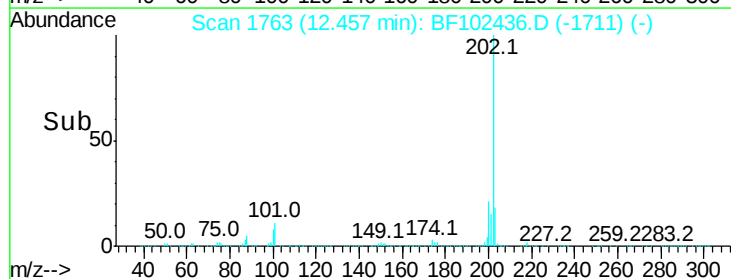
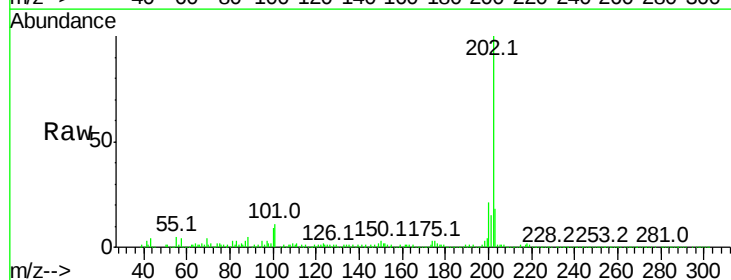
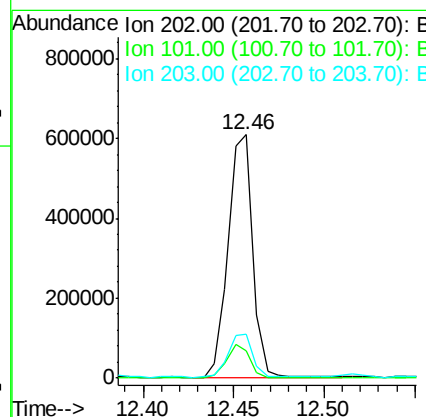
RT: 12.46 min Scan# 1763

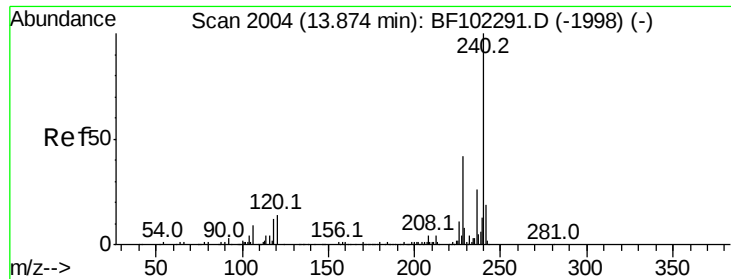
Delta R.T. 0.01 min

Lab File: BF102436.D

Acq: 25 Jan 2018 21:05

Tgt Ion:	202	Resp:	578241
Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	34.1
203	18.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BF102436.D

Acq: 25 Jan 2018 21:05

Instrument :

BNA_F

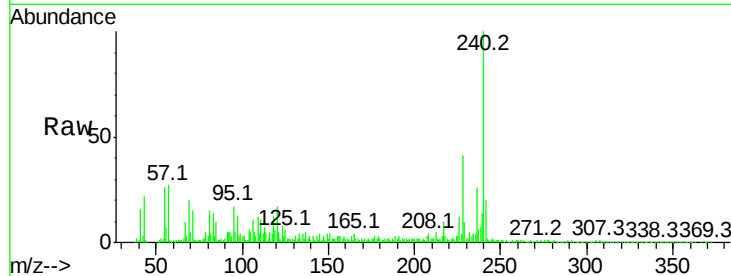
ClientSampleId :

DB-OF-E-W-(SW0-4)

Tot Ion	Ratio	Lower	Upper
240	100		
120	17.3	9.5	14.3#
236	25.8	20.7	31.1

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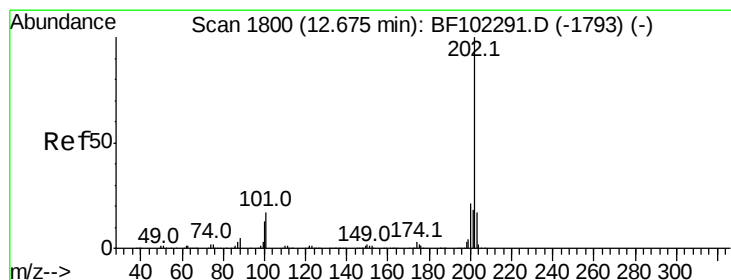
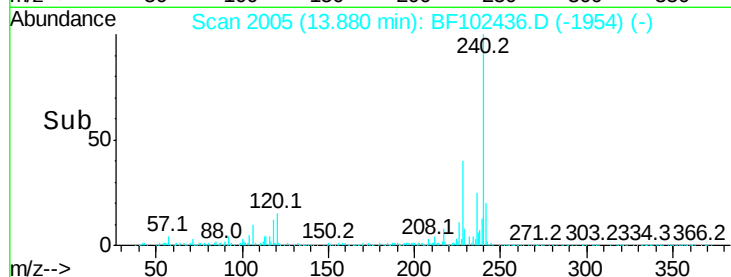
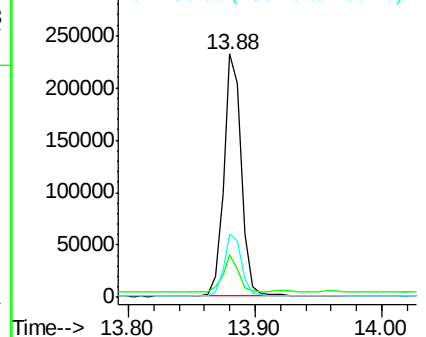
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 30.573 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF102436.D

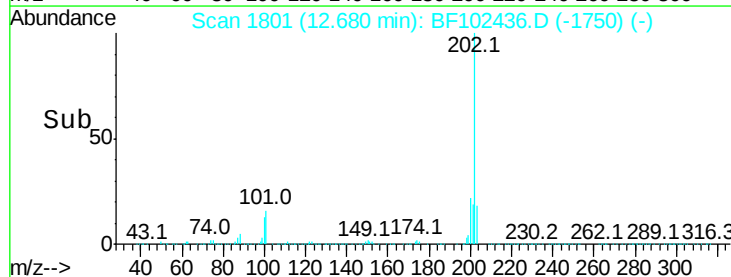
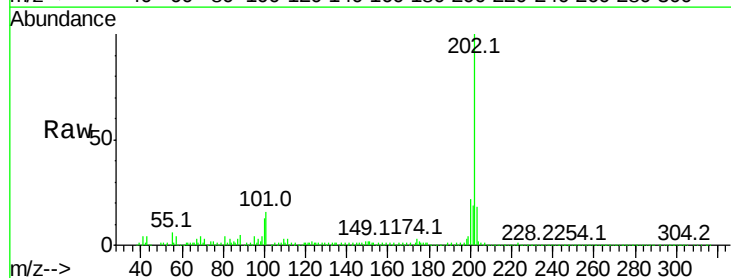
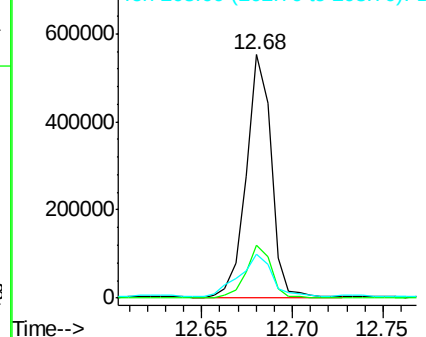
Acq: 25 Jan 2018 21:05

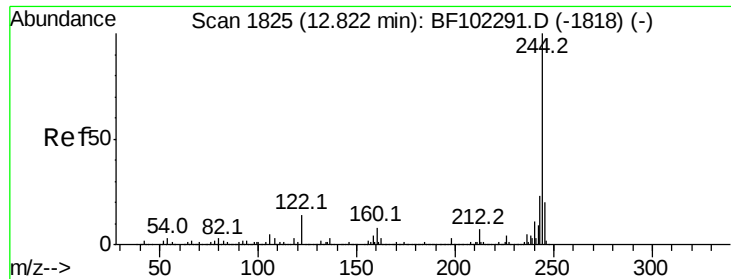
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.2	14.3	21.5

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





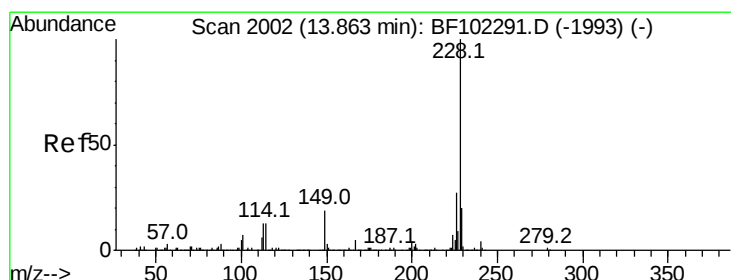
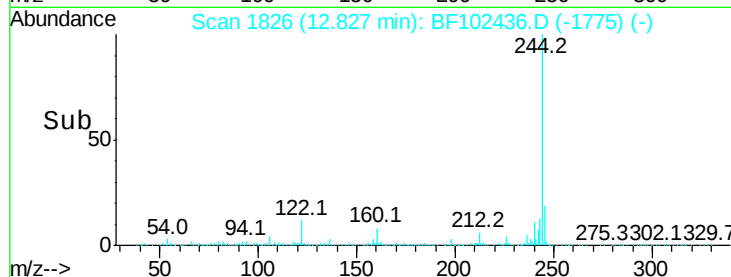
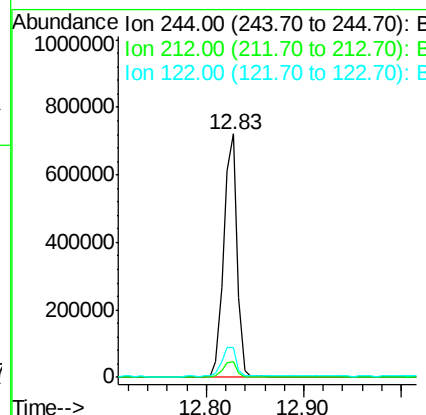
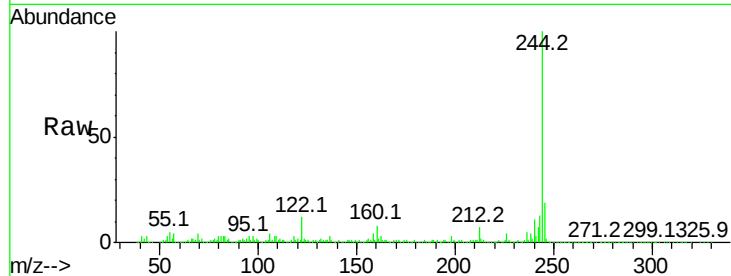
#78
 Terphenyl-d14
 Concen: 69.078 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: BF102436.D
 Acq: 25 Jan 2018 21:05

Instrument :
 BNA_F
 ClientSampleId :
 DB-OF-E-W-(SW0-4)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	12.4	11.0	16.4

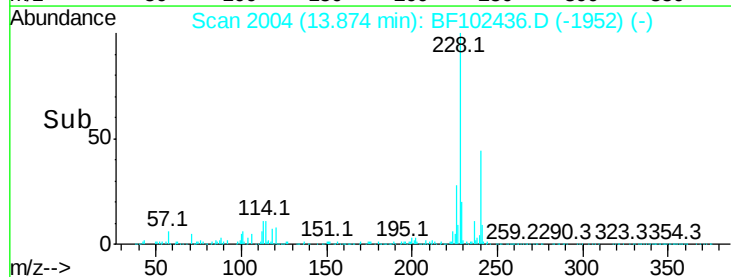
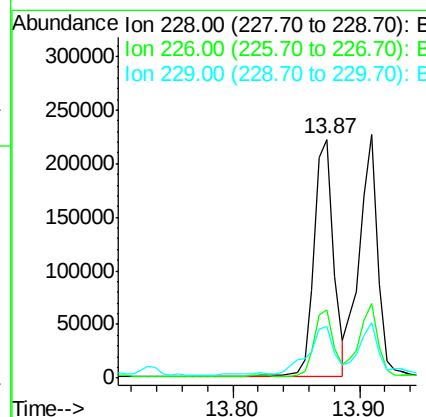
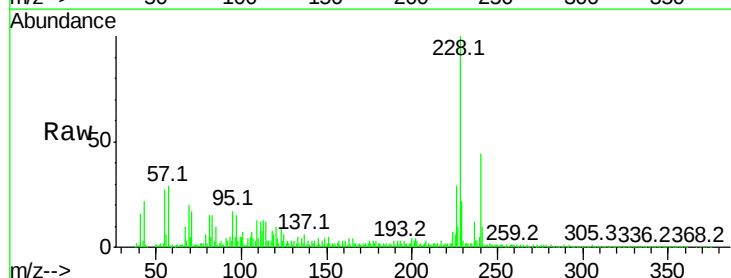
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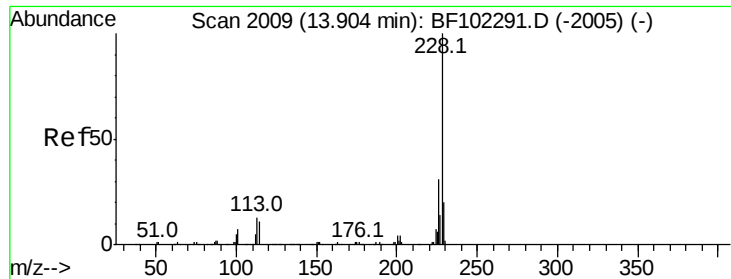
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#80
 Benzo(a)anthracene
 Concen: 17.107 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. 0.01 min
 Lab File: BF102436.D
 Acq: 25 Jan 2018 21:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	21.5	15.8	23.6





#82

Chrysene

Concen: 16.383 ng

RT: 13.91 min Scan# 2010

Delta R.T. 0.00 min

Lab File: BF102436.D

Acq: 25 Jan 2018 21:05

Instrument :

BNA_F

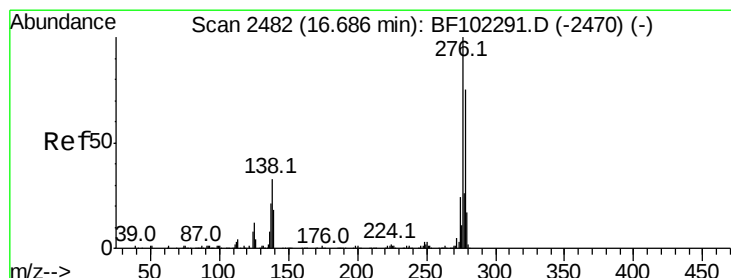
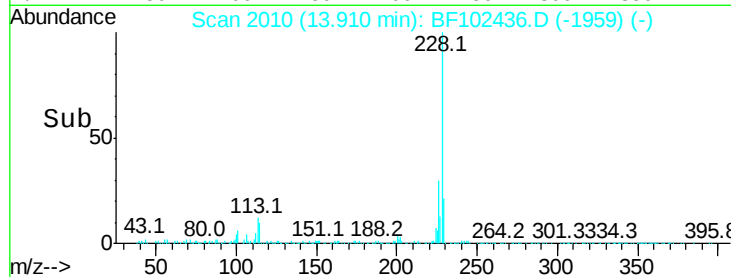
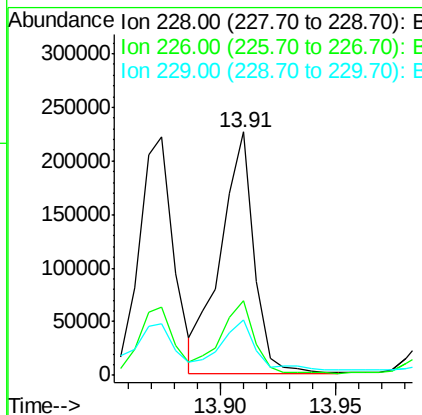
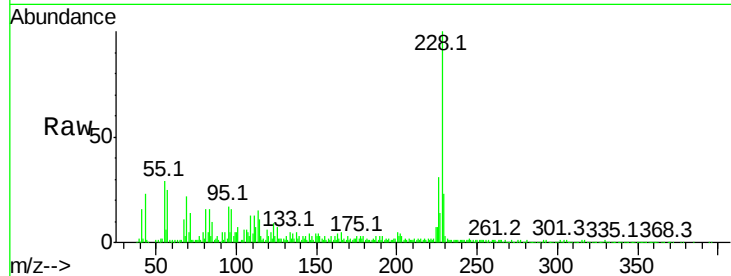
ClientSampleId :

DB-OF-E-W-(SW0-4)

Tot Ion:	228	Resp:	227784
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.0	37.6
229	22.9	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 9.879 ng

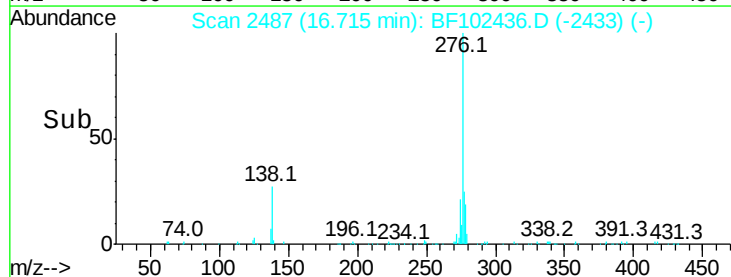
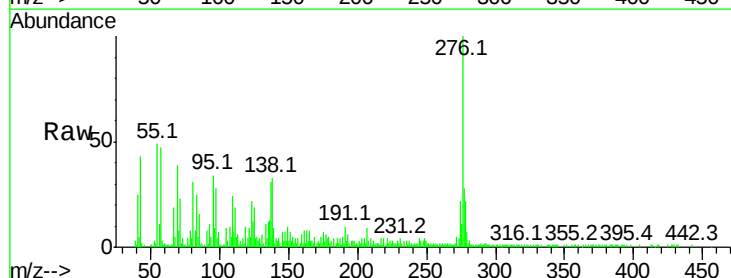
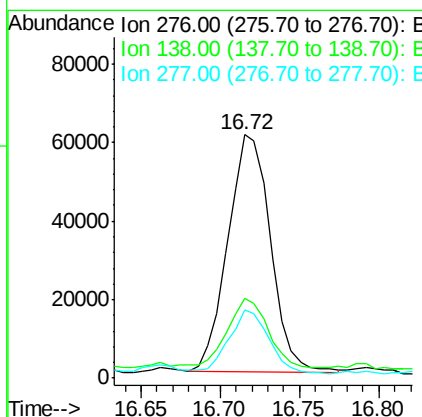
RT: 16.72 min Scan# 2487

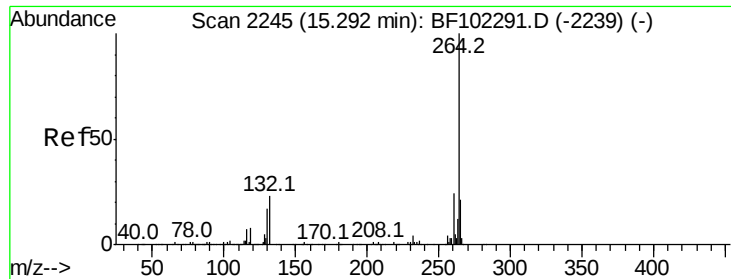
Delta R.T. 0.02 min

Lab File: BF102436.D

Acq: 25 Jan 2018 21:05

Tgt Ion:	276	Resp:	113434
Ion Ratio	Lower	Upper	
276	100		
138	27.6	25.0	37.6
277	25.0	20.1	30.1





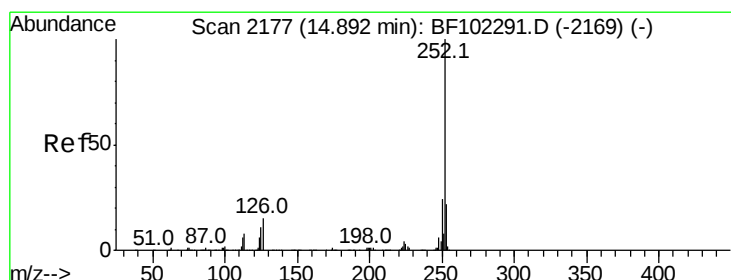
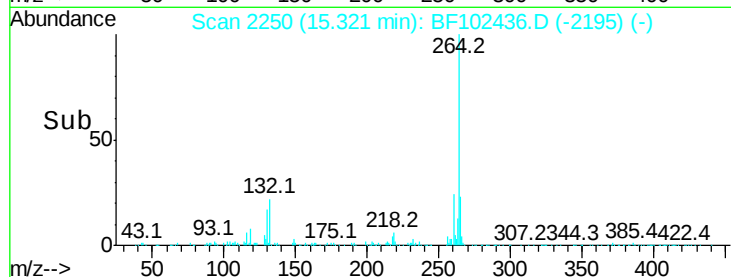
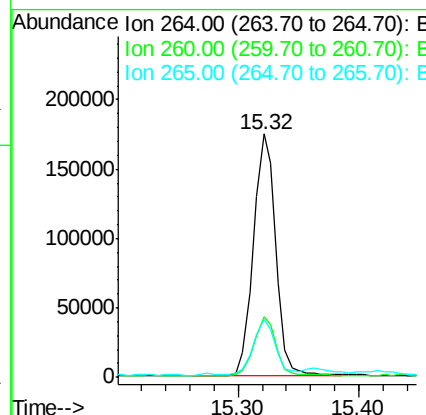
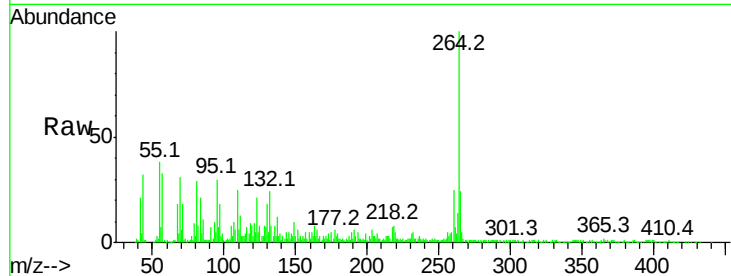
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.02 min
Lab File: BF102436.D
Acq: 25 Jan 2018 21:05

Instrument :
BNA_F
ClientSampleId :
DB-OF-E-W-(SW0-4)

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	25.1	19.2	28.8	
265	23.7	17.5	26.3	

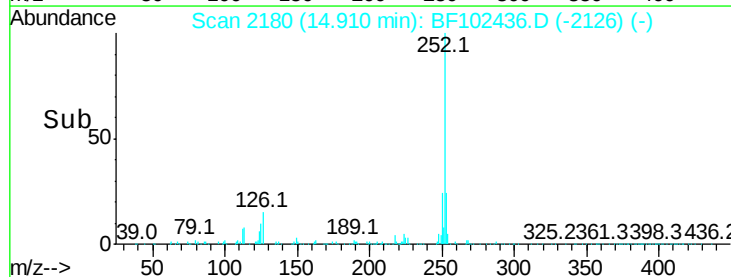
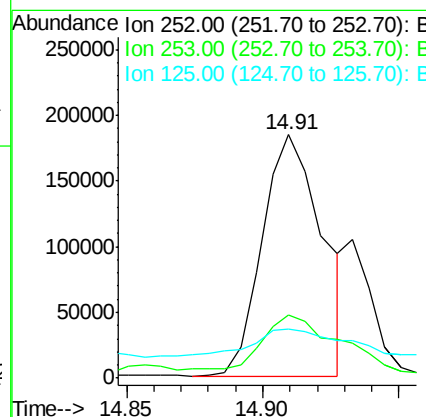
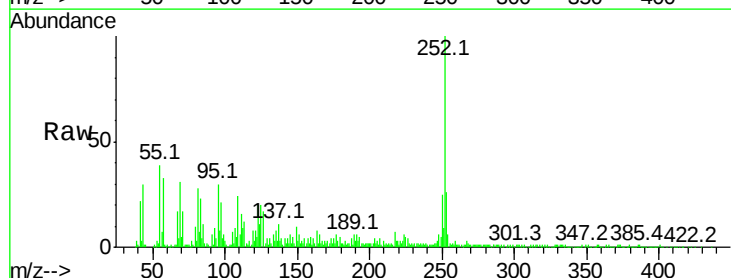
Manual Integrations
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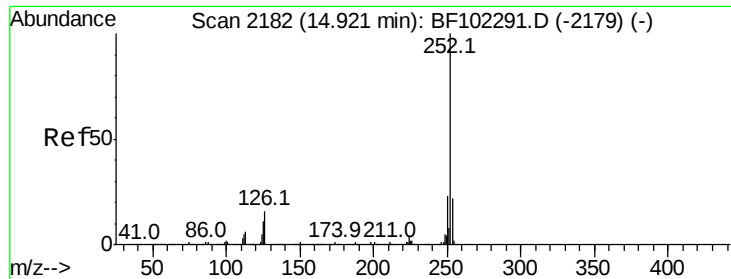
Sohil
1/26/2018 11:24:35 AM



#87
Benzo(b)fluoranthene
Concen: 19.241 ng m
RT: 14.91 min Scan# 2180
Delta R.T. 0.02 min
Lab File: BF102436.D
Acq: 25 Jan 2018 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	25.9	17.0	25.6#	
125	20.2	9.0	13.6#	





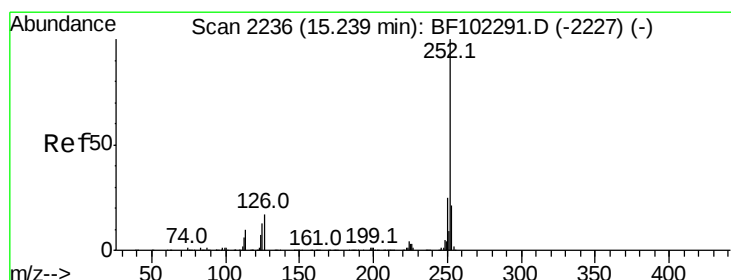
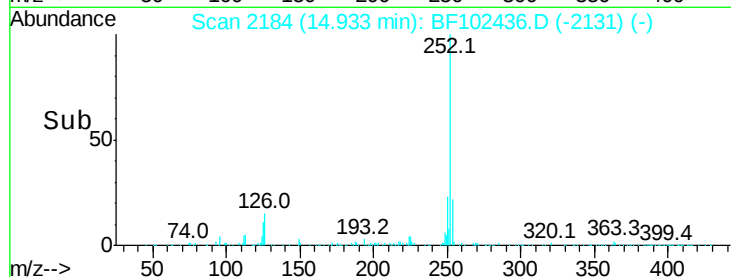
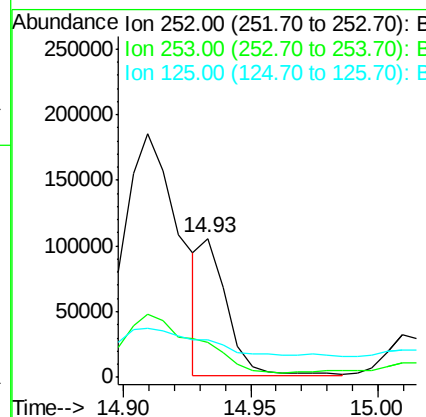
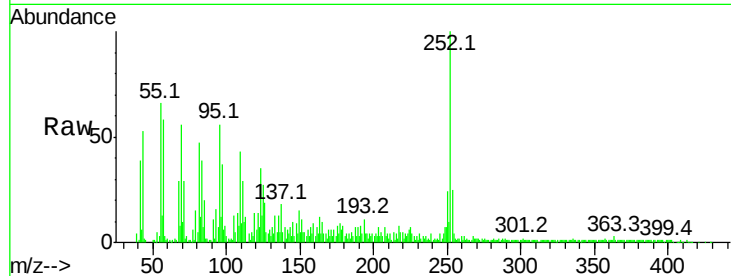
#88
Benzo(k)fluoranthene
Concen: 5.465 ng m
RT: 14.93 min Scan# 2184
Delta R.T. 0.01 min
Lab File: BF102436.D
Acq: 25 Jan 2018 21:05

Instrument :
BNA_F
ClientSampleId :
DB-OF-E-W-(SW0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.9	26.9
125	27.1	10.2	15.2

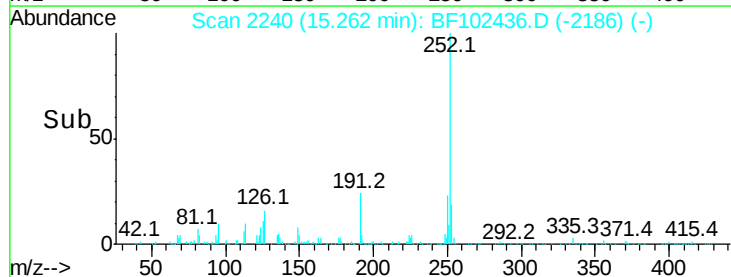
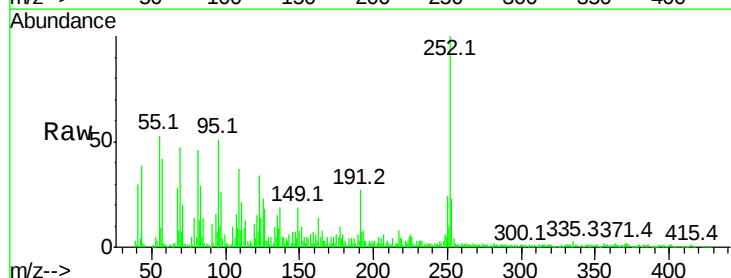
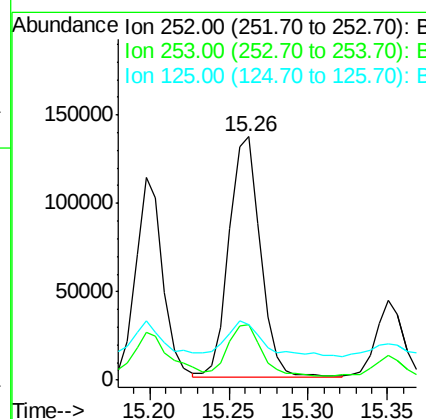
Manual Integrations
APPROVED

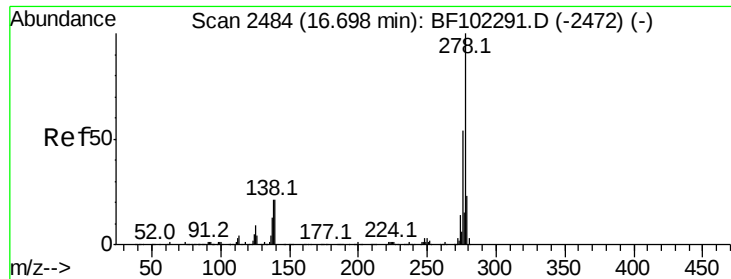
Sohil
1/26/2018 11:24:35 AM



#89
Benzo(a)pyrene
Concen: 14.262 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.02 min
Lab File: BF102436.D
Acq: 25 Jan 2018 21:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	22.8	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.830 ng

RT: 16.73 min Scan# 2489

Delta R.T. 0.02 min

Lab File: BF102436.D

Acq: 25 Jan 2018 21:05

Instrument :

BNA_F

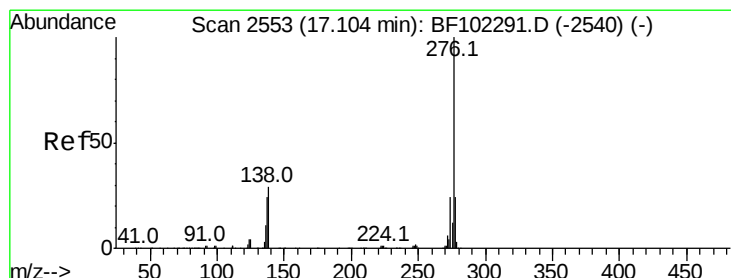
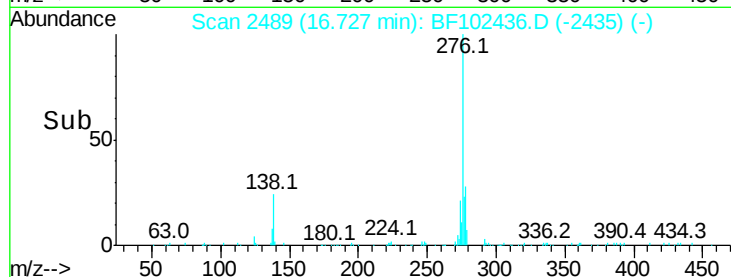
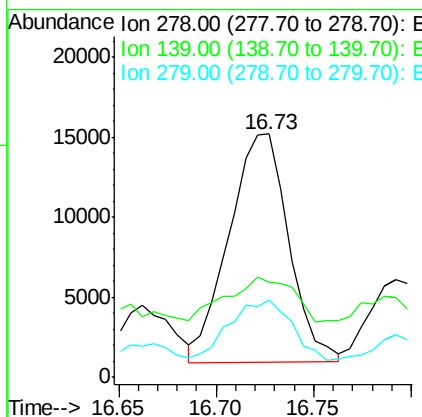
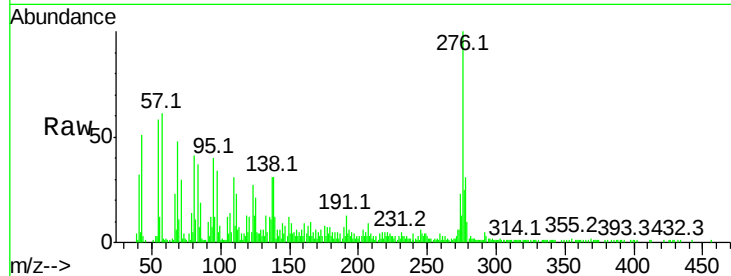
ClientSampleId :

DB-OF-E-W-(SW0-4)

Tot Ion:	278	Resp:	30288
Ion Ratio	Lower	Upper	
278	100		
139	39.1	15.9	23.9#
279	31.5	19.0	28.4#

Manual Integrations
APPROVED

Sohil
1/26/2018 11:24:35 AM



#91

Benzo(g,h,i)perylene

Concen: 9.921 ng

RT: 17.14 min Scan# 2559

Delta R.T. 0.02 min

Lab File: BF102436.D

Acq: 25 Jan 2018 21:05

Tgt Ion:	276	Resp:	104823
Ion Ratio	Lower	Upper	
276	100		
277	26.8	17.9	26.9
138	31.8	21.8	32.8

