

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
 Data File : BF102325.D
 Acq On : 23 Jan 2018 3:53
 Operator : SJ/JU
 Sample : J1210-04DL 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-4248DL

Manual Integrations
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 1/23/2018 12:47:03 PM

Quant Time: Jan 23 08:02:06 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 00:43:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	116859	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	466202	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	185908	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	275341	20.00	ng	0.00
75) Chrysene-d12	13.88	240	232155	20.00	ng	0.00
86) Perylene-d12	15.30	264	188032	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	80210	10.41	ng	0.00
7) Phenol-d6	6.35	99	96677	10.40	ng	0.00
23) Nitrobenzene-d5	7.28	82	53635	6.61	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	15940	8.65	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	114172	9.03	ng	0.00
78) Terphenyl-d14	12.82	244	82711	8.03	ng	0.00
Target Compounds						
31) Naphthalene	8.02	128	183841	7.898	ng	99
37) 2-Methylnaphthalene	8.72	142	268692	17.333	ng	99
45) 1,1'-Biphenyl	9.17	154	53190	3.200	ng	99
48) Acenaphthylene	9.62	152	102350	5.084	ng	# 96
51) Acenaphthene	9.79	154	121720	10.353	ng	99
54) Dibenzofuran	9.96	168	153358	9.638	ng	# 96
57) Fluorene	10.30	166	247246	19.610	ng	99
70) Phenanthrene	11.27	178	940609	58.624	ng	99
71) Anthracene	11.32	178	159454	9.737	ng	100
72) Carbazole	11.47	167	33972	2.126	ng	98
74) Fluoranthene	12.45	202	494844	30.244	ng	100
77) Pylene	12.68	202	589282	32.830	ng	99
80) Benzo(a)anthracene	13.87	228	184556m	12.912	ng	
82) Chrysene	13.90	228	217485m	14.984	ng	
85) Indeno(1,2,3-cd)pyrene	16.69	276	28158	2.349	ng	96
87) Benzo(b)fluoranthene	14.90	252	103166m	8.465	ng	
89) Benzo(a)pyrene	15.24	252	77838	7.082	ng	94
91) Benzo(g,h,i)perylene	17.11	276	31859	3.624	ng	# 90

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

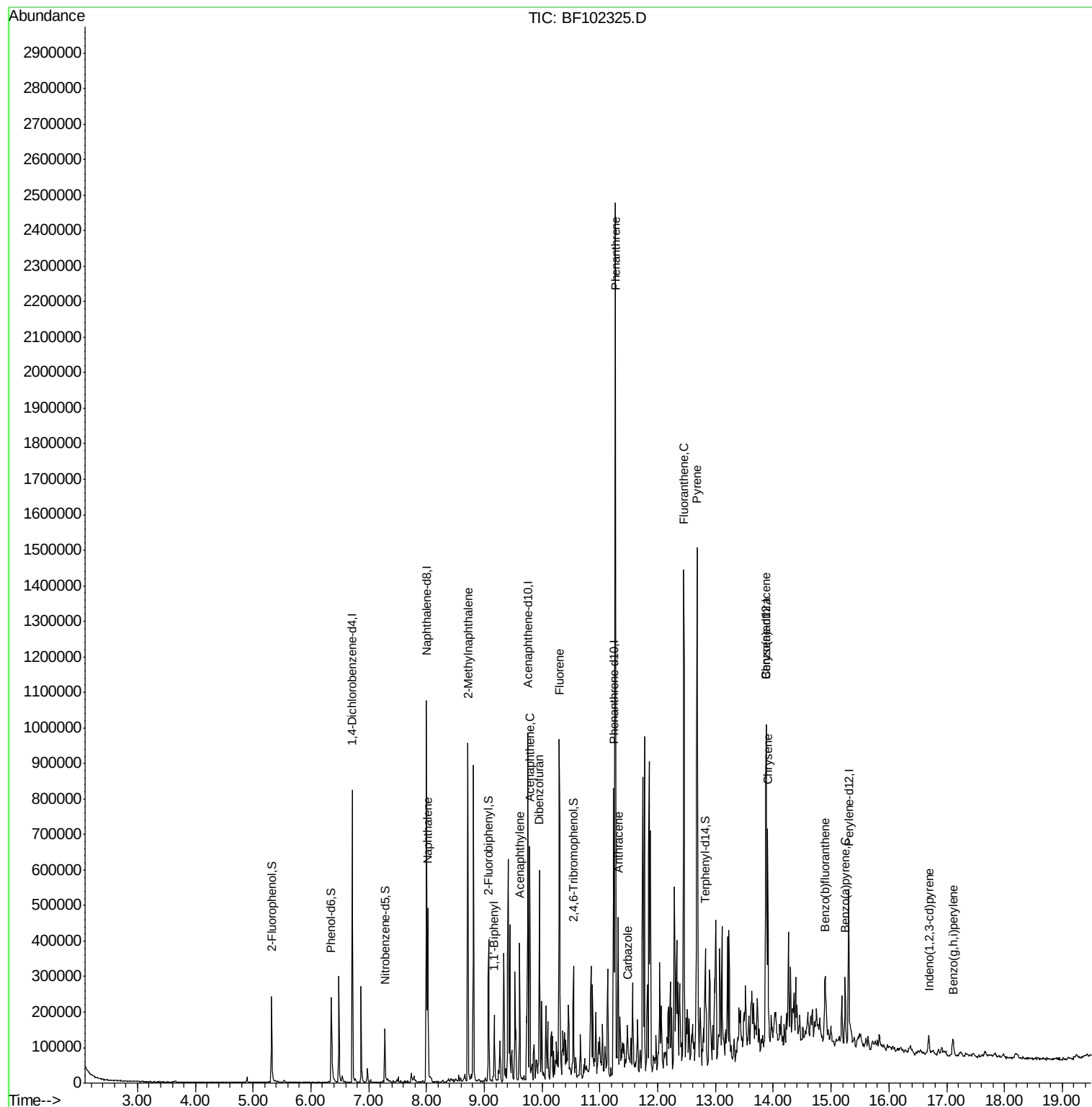
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
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ALS Vial : 28 Sample Multiplier: 1

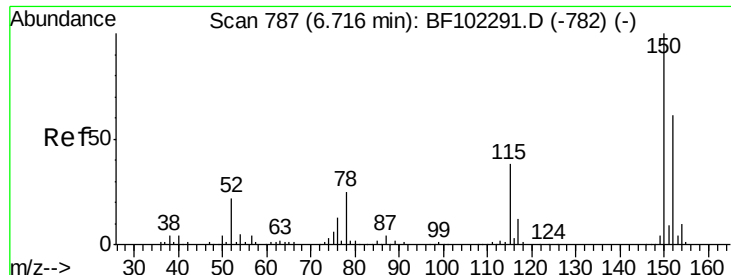
Instrument :
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#1

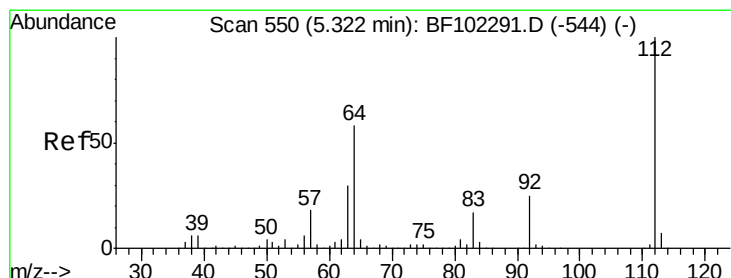
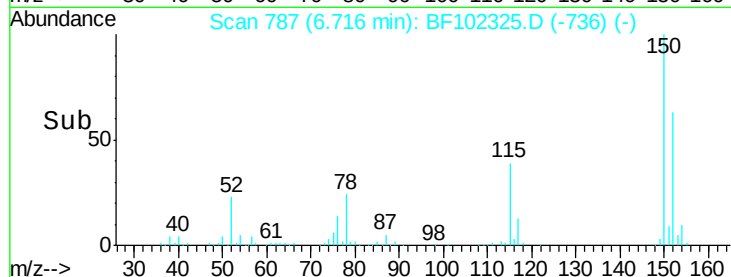
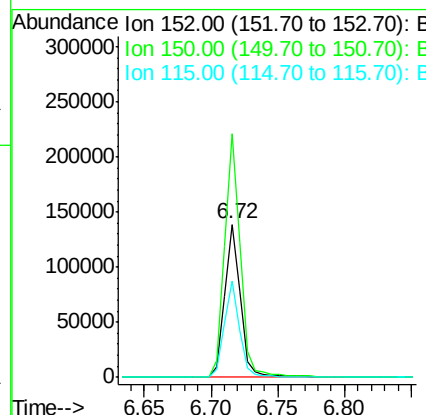
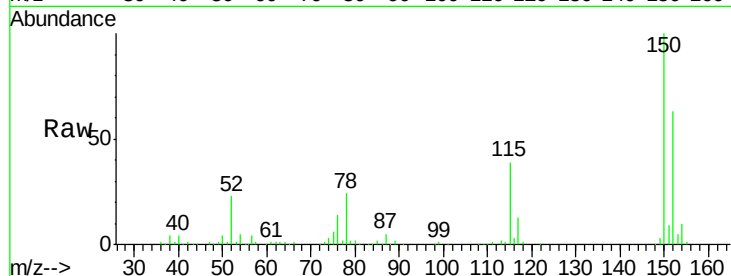
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Instrument :
BNA_F
ClientSampleId :
RT-4248DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.6	186.8
115	62.9	50.1	75.1

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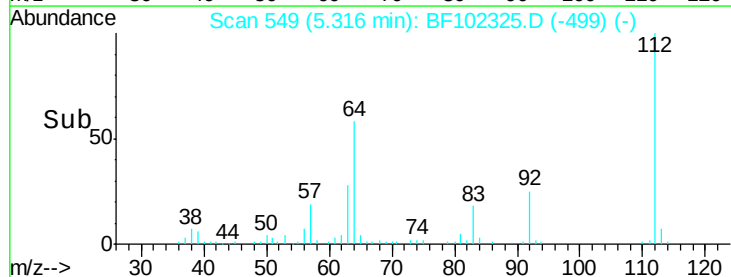
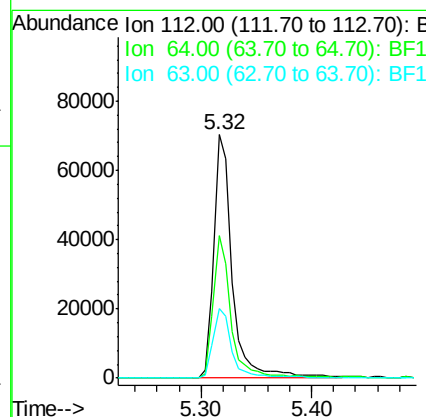
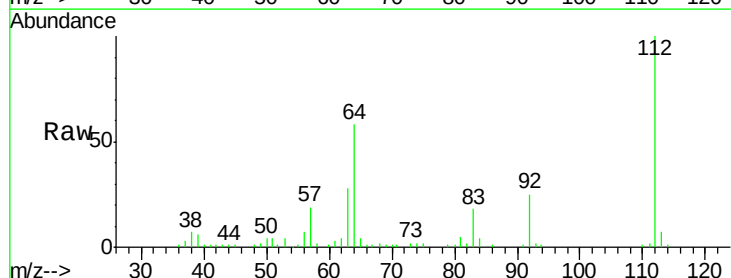
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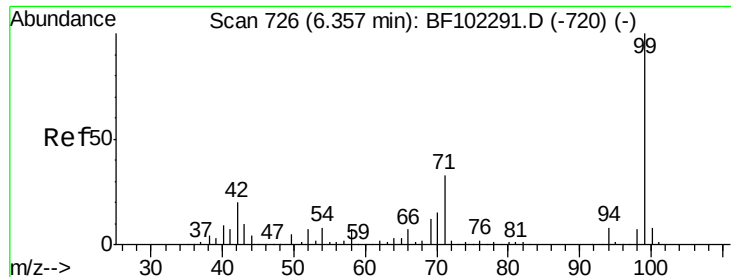


#5

2-Fluorophenol
Concen: 10.407 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	47.9	71.9
63	28.4	23.7	35.5





#7

Phenol-d6

Concen: 10.405 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

Instrument :

BNA_F

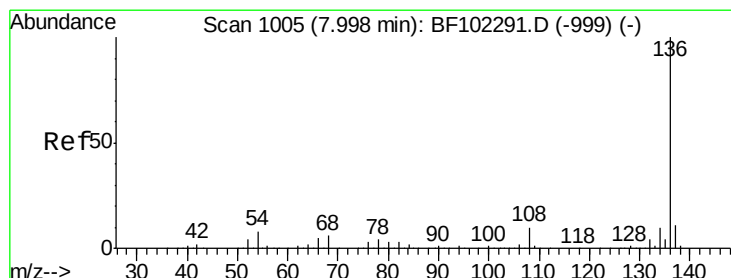
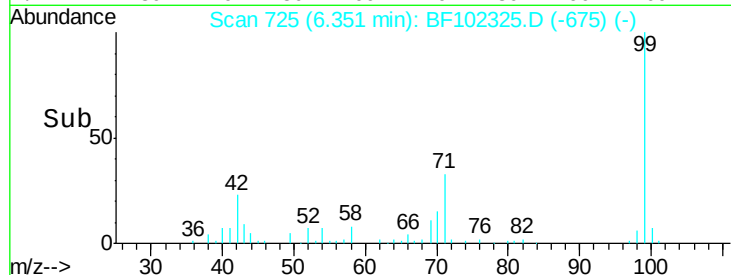
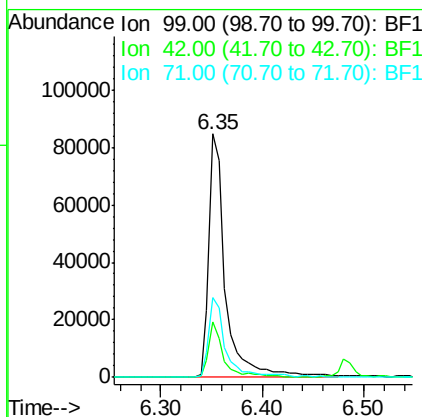
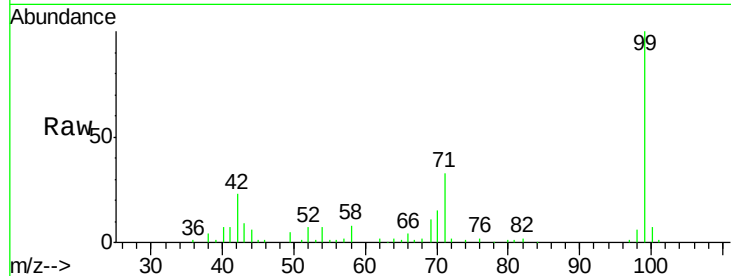
ClientSampled :

RT-4248DL

Tot Ion:	99	Resp:	96677
Ion Ratio	Lower	Upper	
99	100		
42	22.7	14.5	21.7#
71	32.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

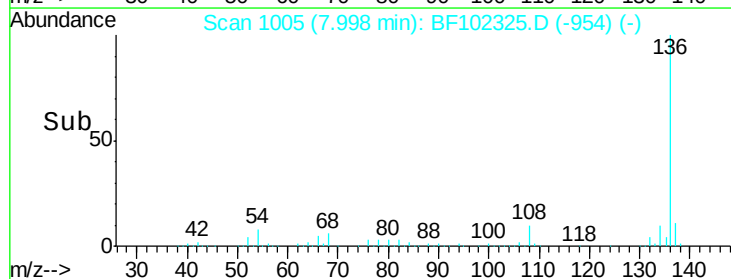
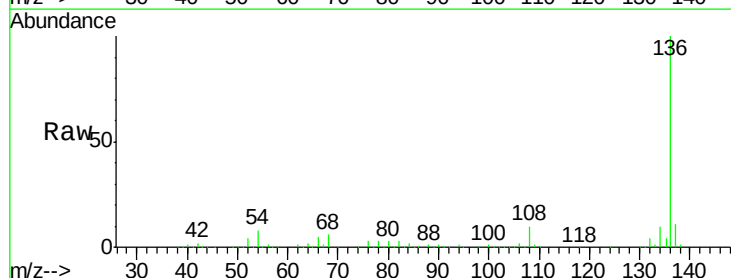
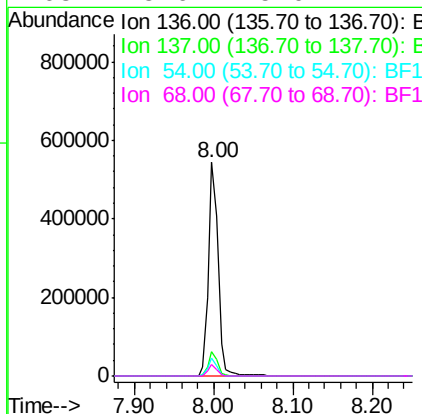
RT: 8.00 min Scan# 1005

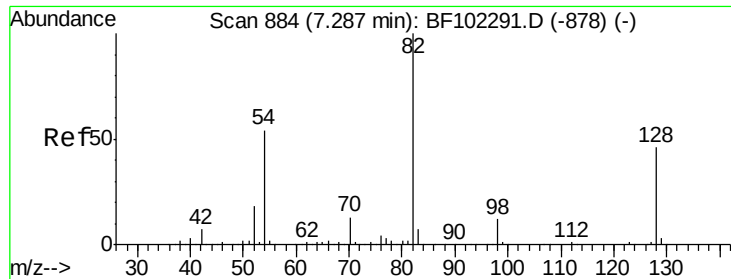
Delta R.T. -0.00 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

Tgt Ion:	136	Resp:	466202
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	8.4	6.6	9.8
68	5.6	5.0	7.4





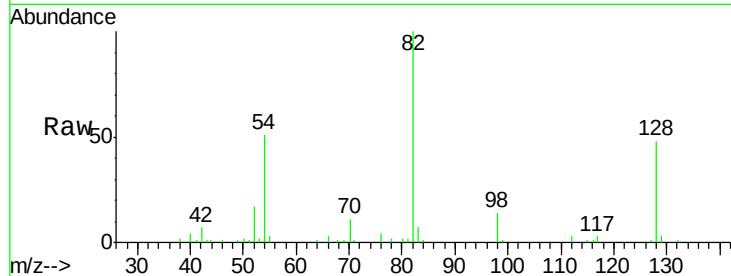
#23
Nitrobenzene-d5
Concen: 6.611 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Instrument :
BNA_F
ClientSampleId :
RT-4248DL

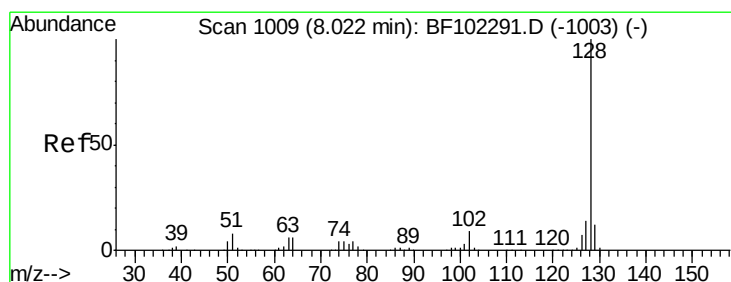
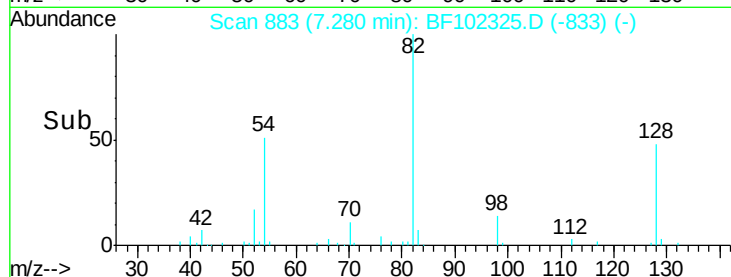
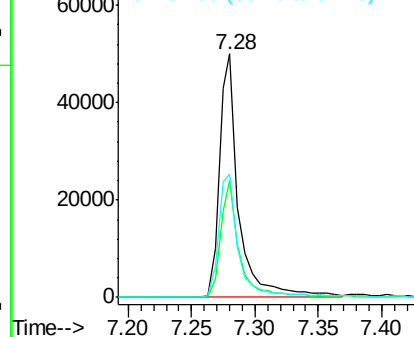
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.2	36.1	54.1
54	50.9	41.4	62.2

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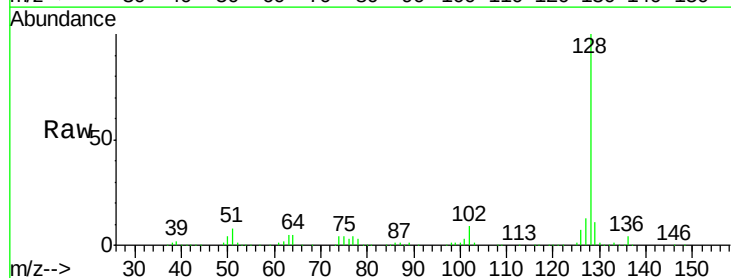


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

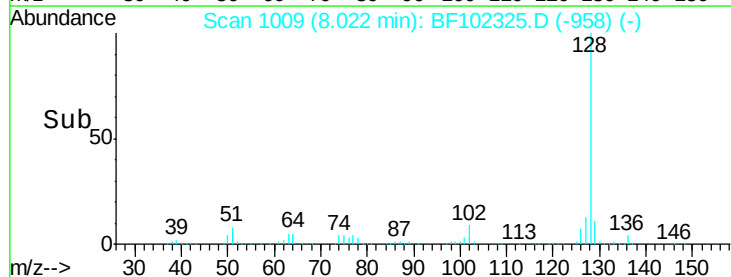
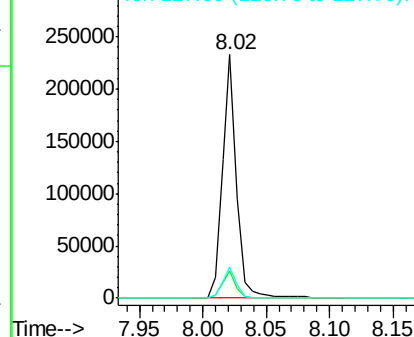


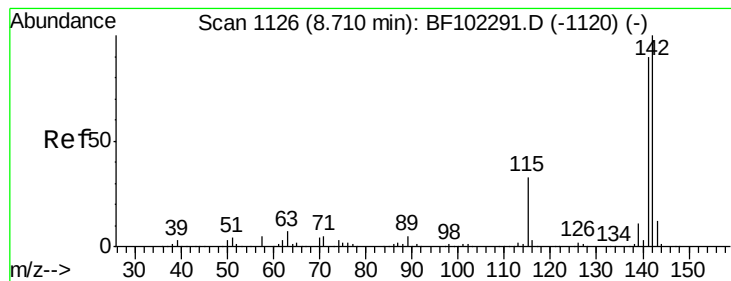
#31
Naphthalene
Concen: 7.898 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.0	10.9	16.3



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: 17.333 ng

RT: 8.72 min Scan# 1127

Delta R.T. 0.01 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

Instrument :

BNA_F

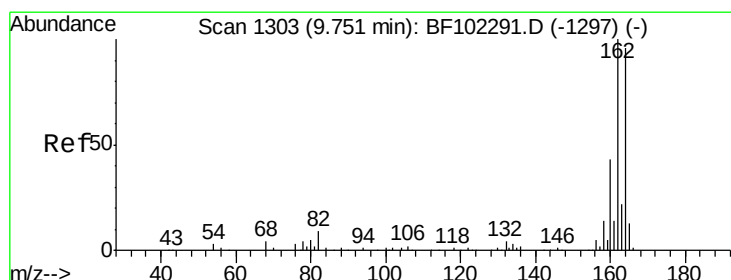
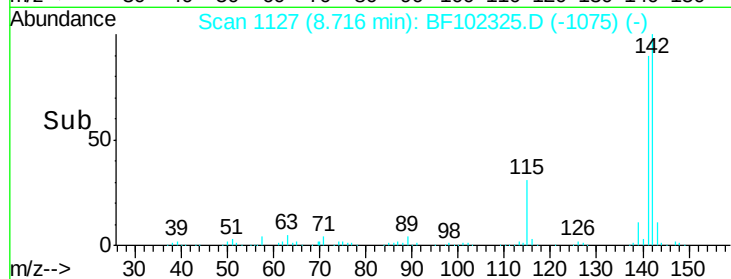
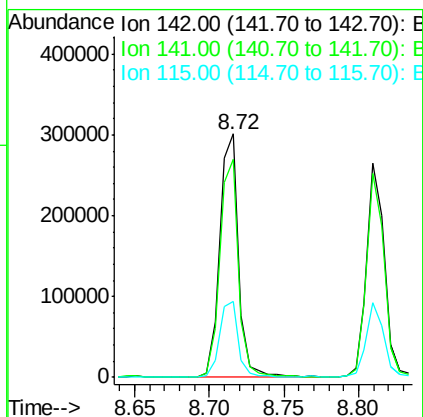
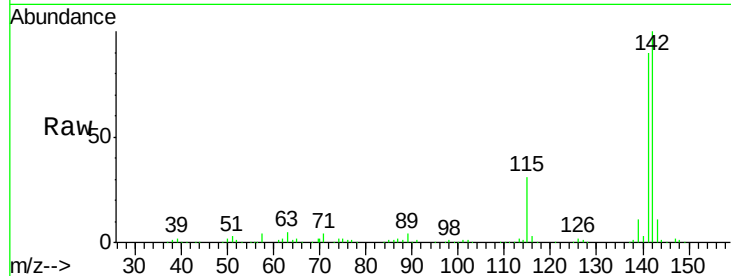
ClientSampleId :

RT-4248DL

Tot Ion:	142	Resp:	268692
Ion Ratio	Lower	Upper	
142	100		
141	89.5	70.8	106.2
115	31.3	26.1	39.1

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#38

Acenaphthene-d10

Concen: 20.000 ng

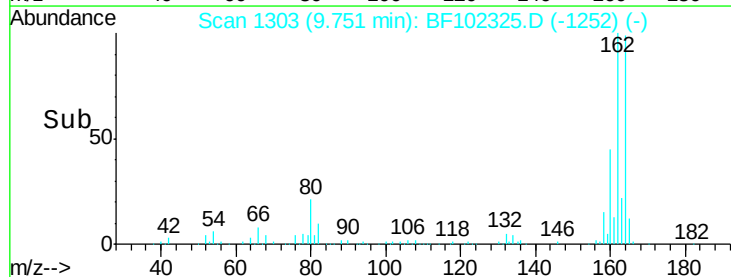
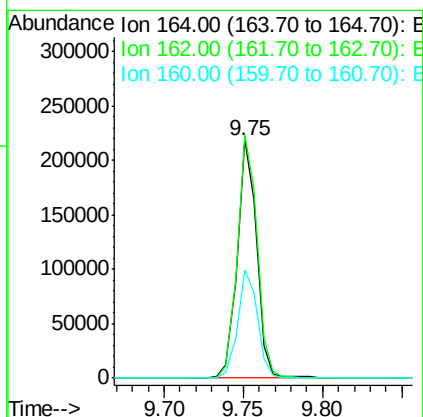
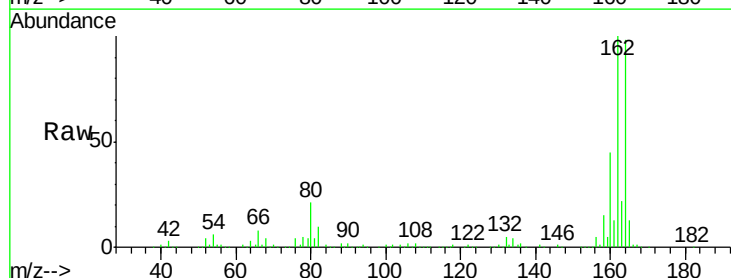
RT: 9.75 min Scan# 1303

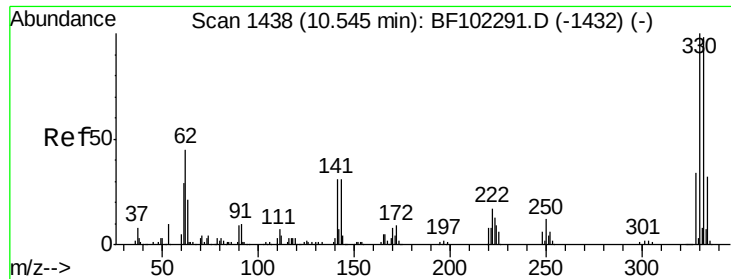
Delta R.T. -0.00 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

Tgt Ion:	164	Resp:	185908
Ion Ratio	Lower	Upper	
164	100		
162	102.2	86.1	129.1
160	45.6	38.3	57.5





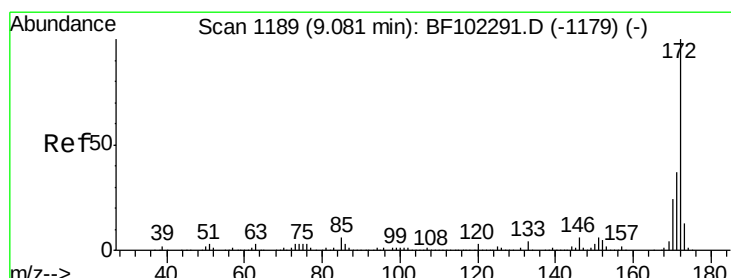
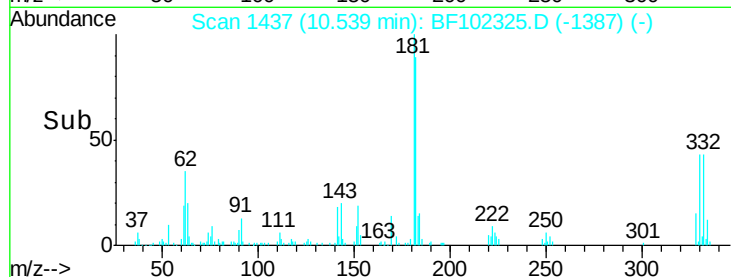
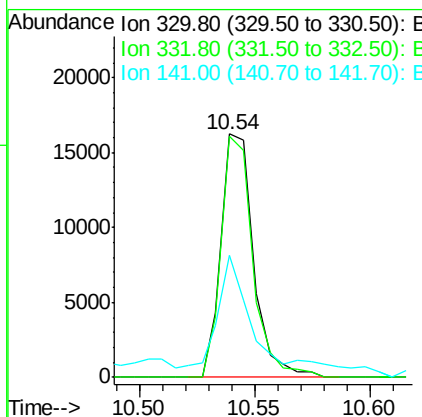
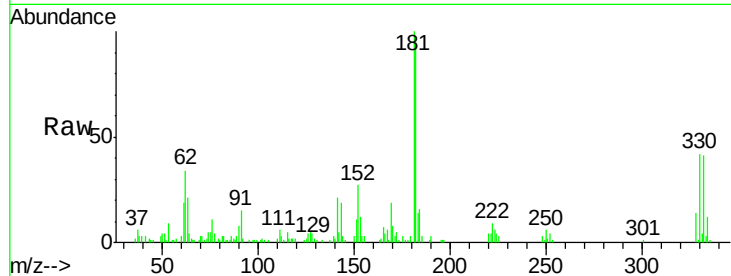
#41
 2,4,6-Tribromophenol
 Concen: 8.653 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102325.D
 Acq: 23 Jan 2018 3:53

Instrument :
 BNA_F
 ClientSampleId :
 RT-4248DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	15940		
332	95.9	77.0	115.6	
141	63.8	29.9	44.9	

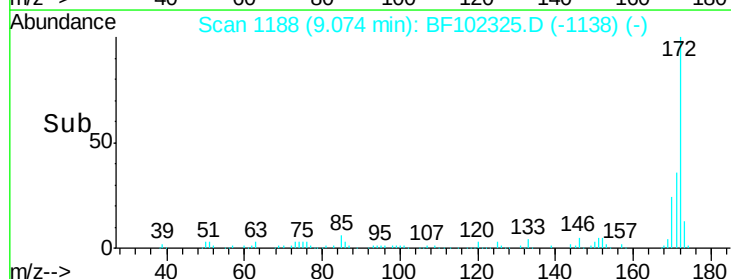
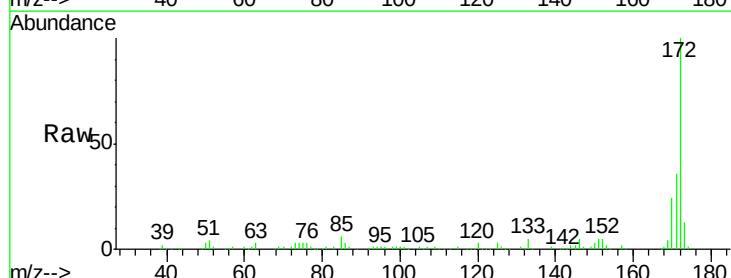
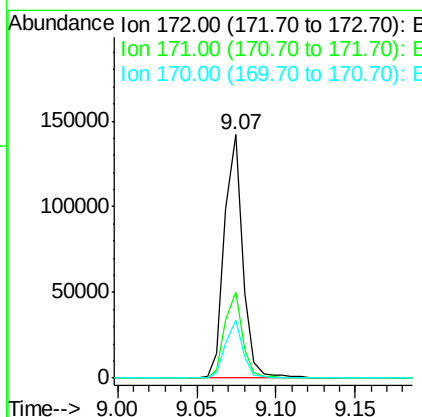
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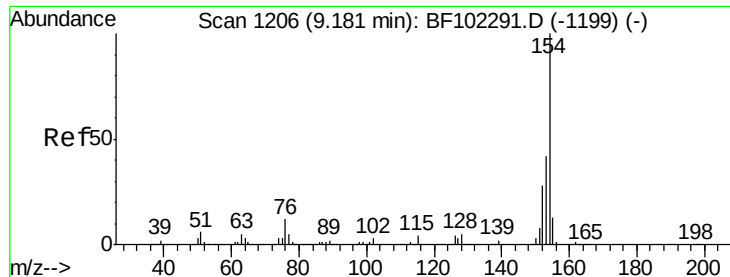
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#44
 2-Fluorobiphenyl
 Concen: 9.030 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102325.D
 Acq: 23 Jan 2018 3:53

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	114172		
171	35.6	29.7	44.5	
170	23.9	19.6	29.4	





#45

1,1'-Biphenyl

Concen: 3.200 ng

RT: 9.17 min Scan# 1205

Delta R.T. -0.01 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

Instrument :

BNA_F

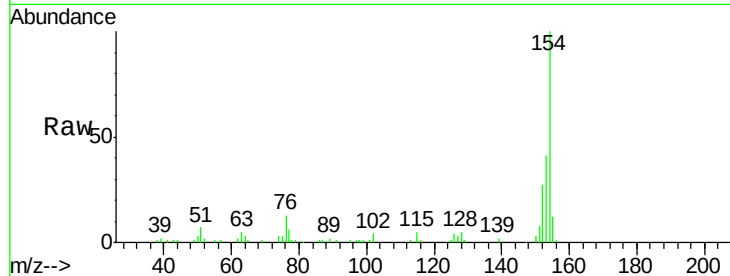
ClientSampleId :

RT-4248DL

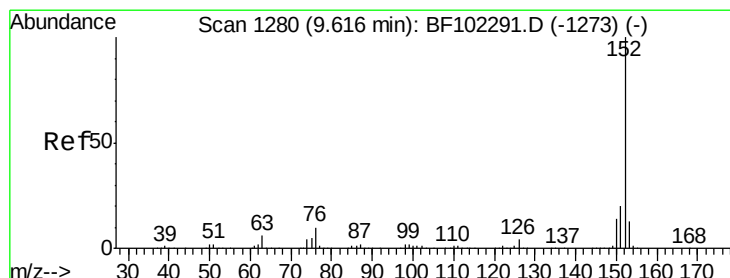
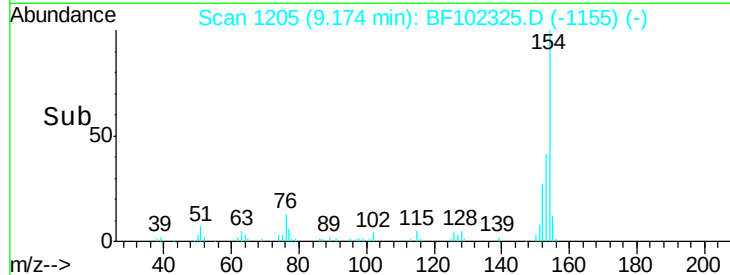
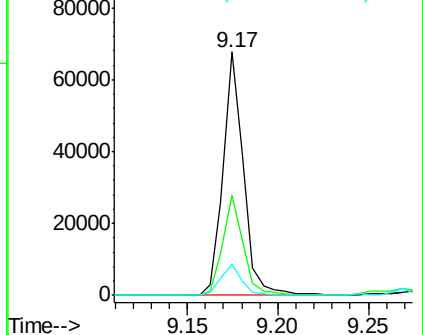
Tot Ion:	154	Resp:	53190
Ion Ratio	Lower	Upper	
154	100		
153	41.1	21.3	61.3
76	12.9	0.0	34.0

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#48

Acenaphthylene

Concen: 5.084 ng

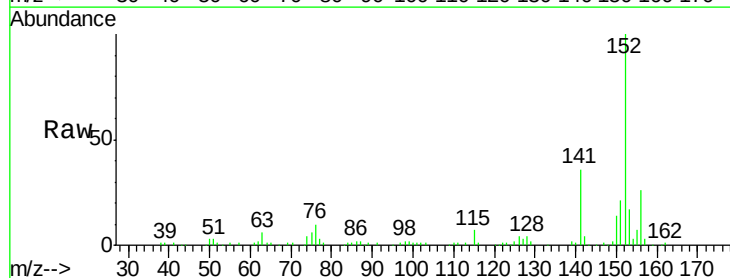
RT: 9.62 min Scan# 1280

Delta R.T. -0.00 min

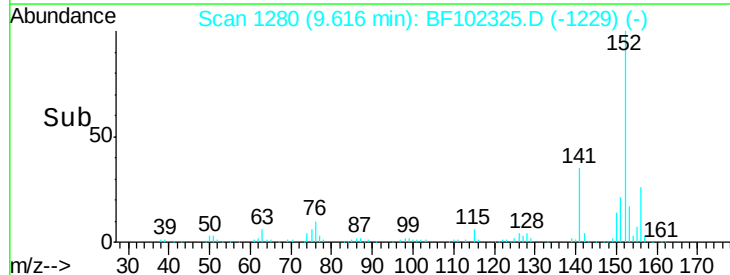
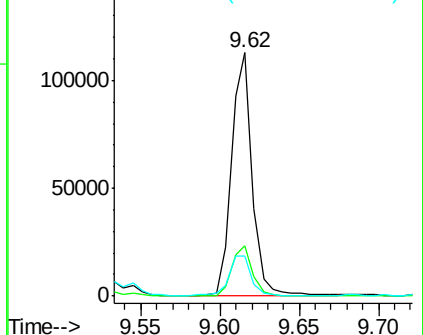
Lab File: BF102325.D

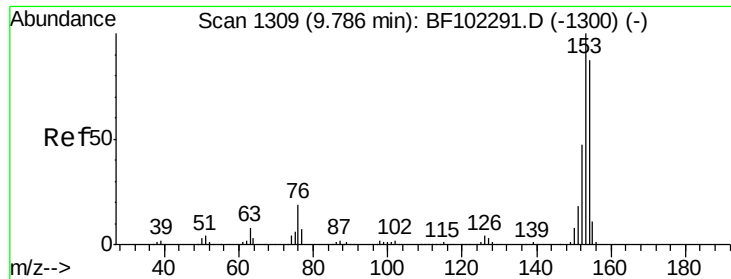
Acq: 23 Jan 2018 3:53

Tgt Ion:	152	Resp:	102350
Ion Ratio	Lower	Upper	
152	100		
151	20.8	16.3	24.5
153	16.7	10.7	16.1#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 10.353 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

Instrument :

BNA_F

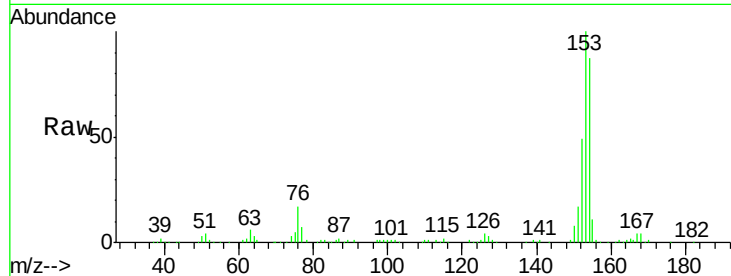
ClientSampleId :

RT-4248DL

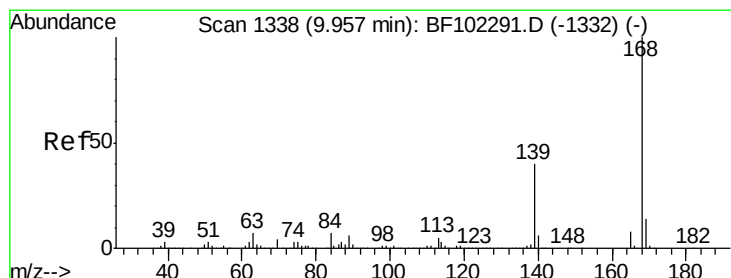
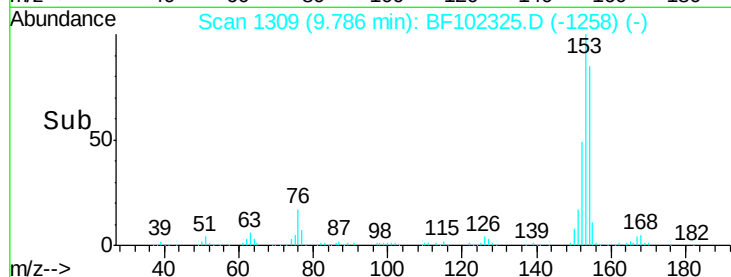
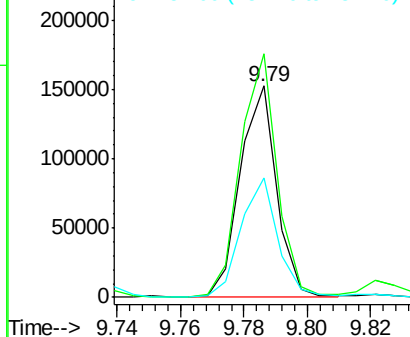
Tot Ion:	154	Resp:	121720
Ion Ratio	Lower	Upper	
154	100		
153	115.2	91.2	136.8
152	56.4	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 9.638 ng

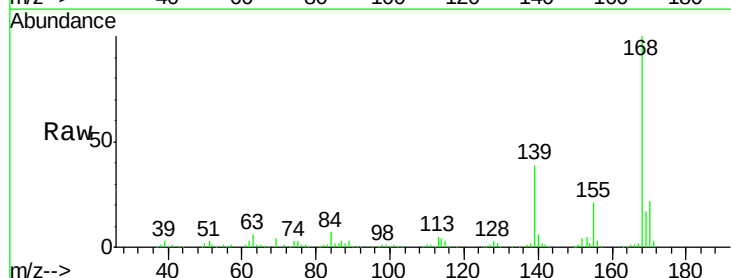
RT: 9.96 min Scan# 1338

Delta R.T. -0.00 min

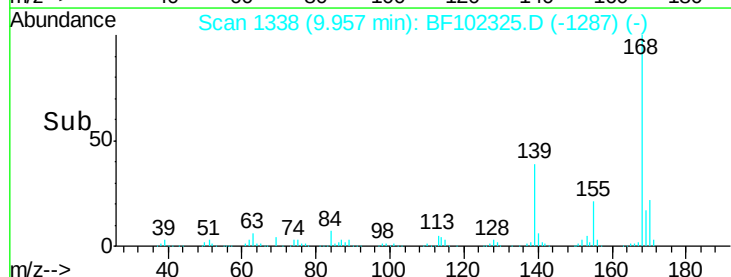
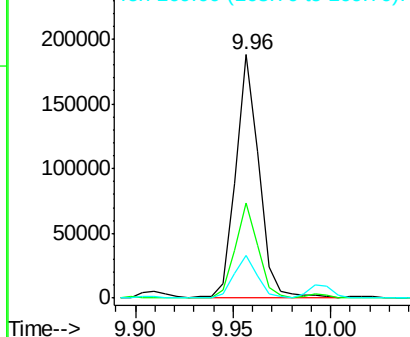
Lab File: BF102325.D

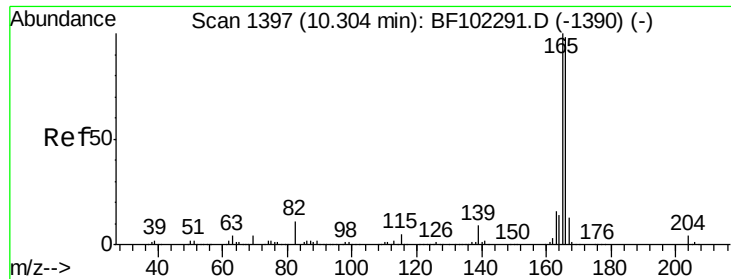
Acq: 23 Jan 2018 3:53

Tgt Ion:	168	Resp:	153358
Ion Ratio	Lower	Upper	
168	100		
139	38.9	30.1	45.1
169	17.4	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





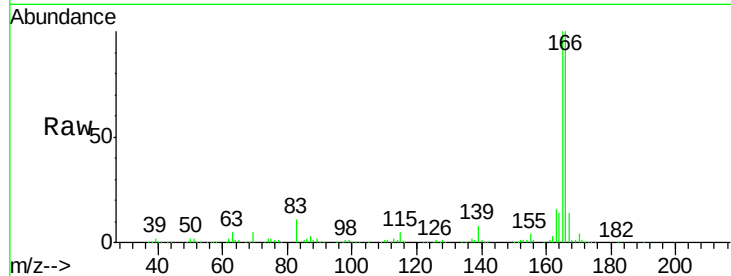
#57
Fluorene
 Concen: 19.610 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF102325.D
 Acq: 23 Jan 2018 3:53

Instrument :
 BNA_F
 ClientSampleId :
 RT-4248DL

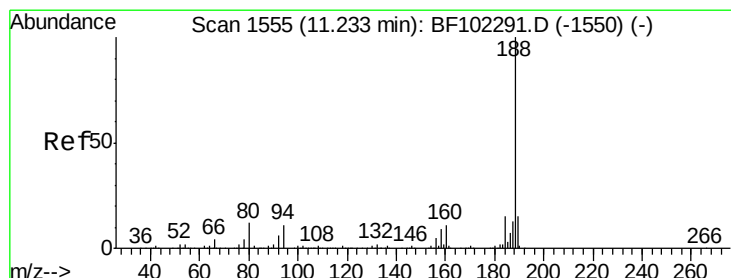
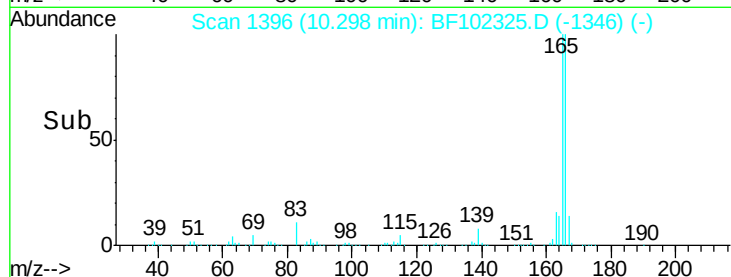
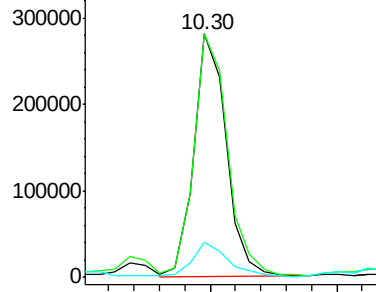
Tot Ion	Ratio	Lower	Upper
166	100		
165	100.0	79.8	119.8
167	14.5	10.6	16.0

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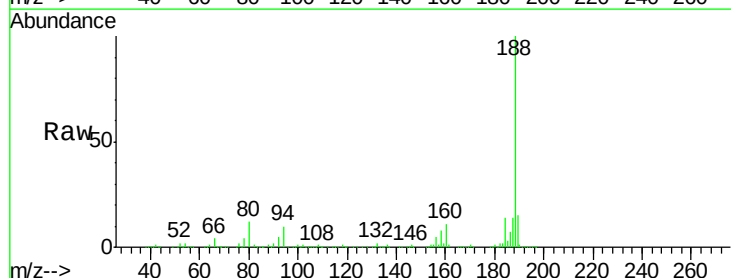


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

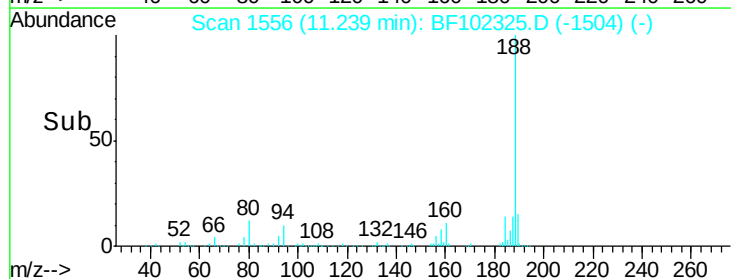
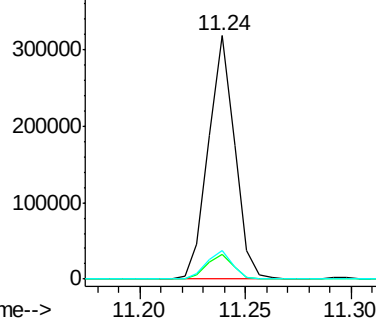


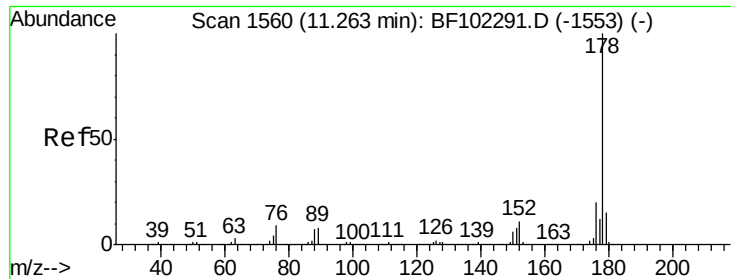
#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. 0.01 min
 Lab File: BF102325.D
 Acq: 23 Jan 2018 3:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.5	12.7
80	11.7	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1





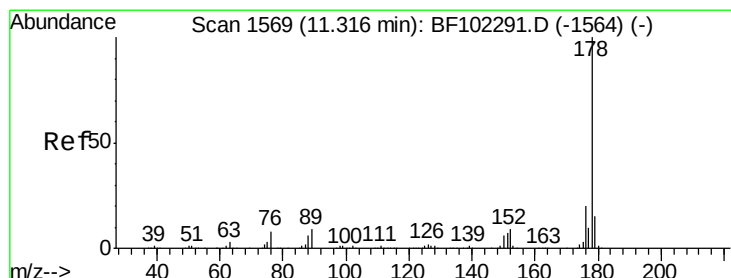
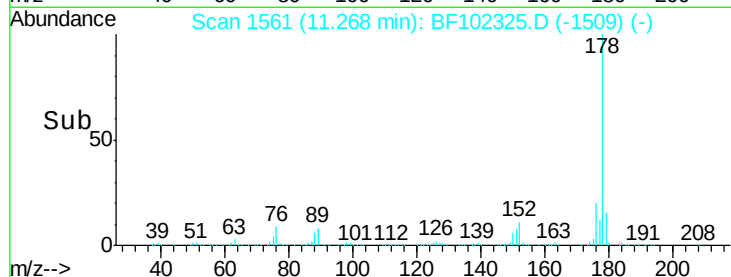
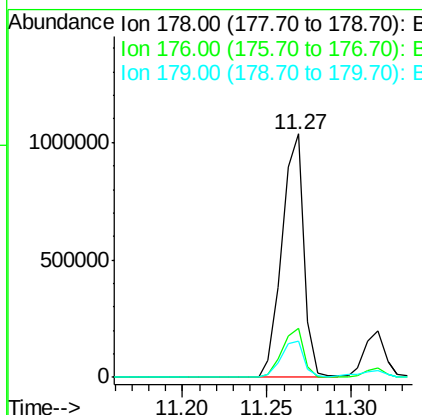
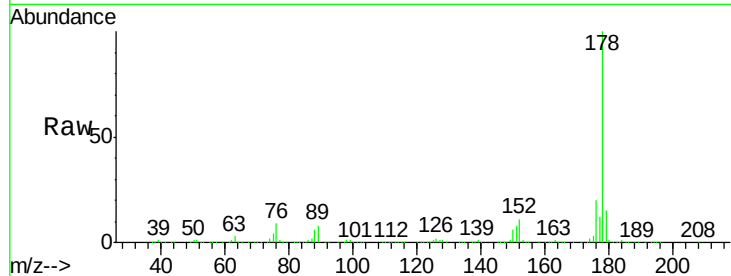
#70
Phenanthrene
Concen: 58.624 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Instrument :
BNA_F
ClientSampled :
RT-4248DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	15.1	13.0	19.6

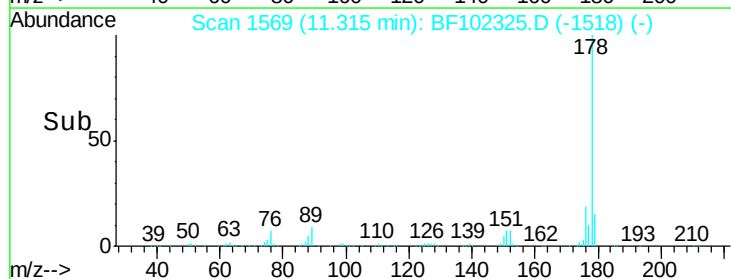
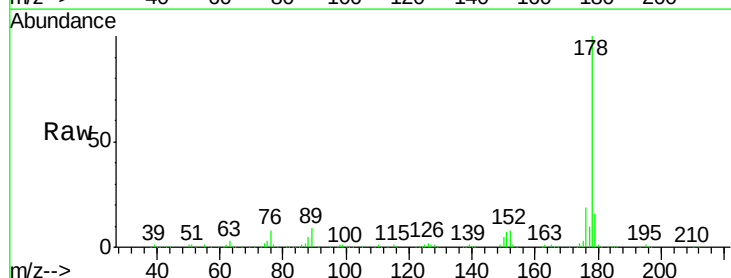
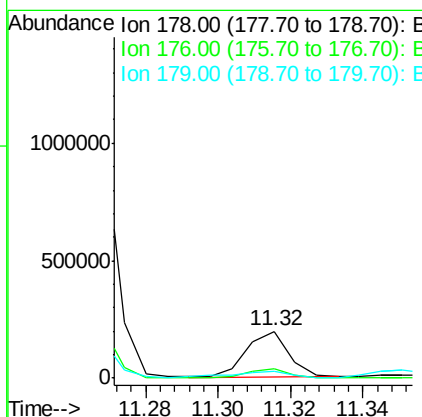
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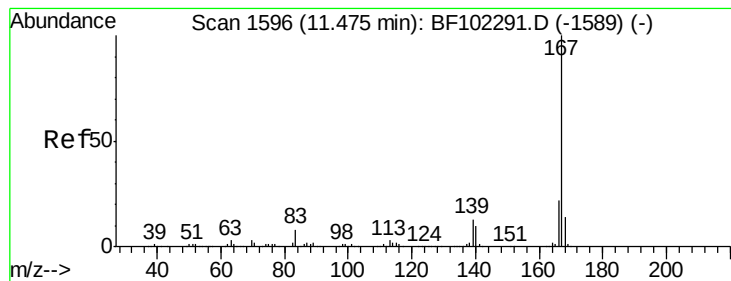
Sohil
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#71
Anthracene
Concen: 9.737 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.8	12.6	19.0





#72

Carbazole

Concen: 2.126 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.00 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

Instrument :

BNA_F

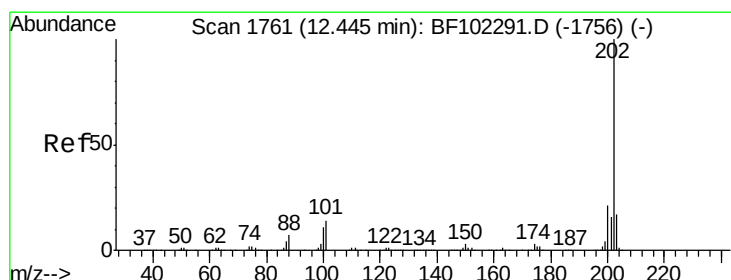
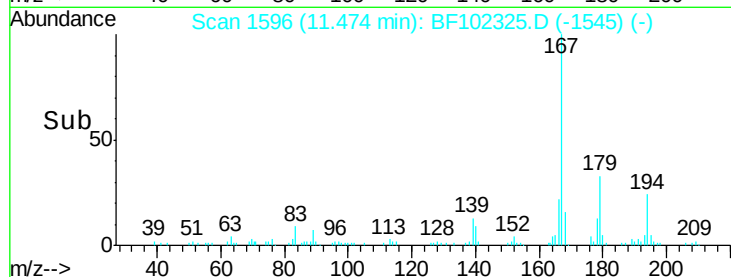
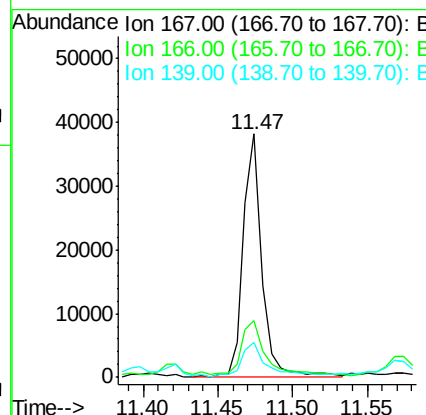
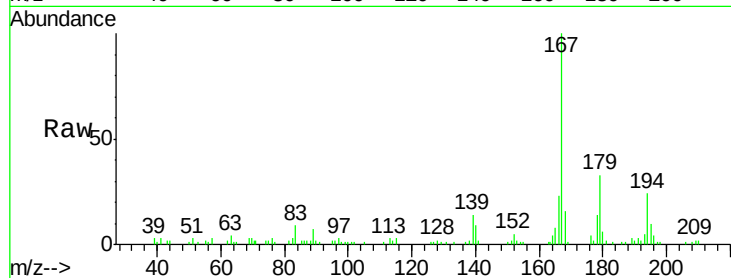
ClientSampleId :

RT-4248DL

Tot Ion:	167	Resp:	33972
Ion Ratio	Lower	Upper	
167	100		
166	23.3	17.6	26.4
139	14.5	10.9	16.3

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#74

Fluoranthene

Concen: 30.244 ng

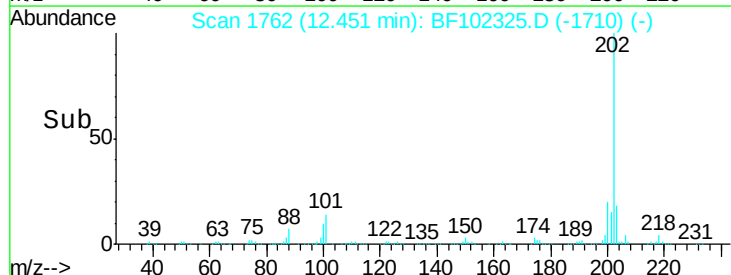
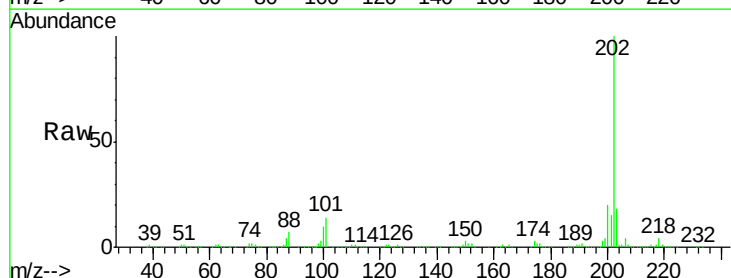
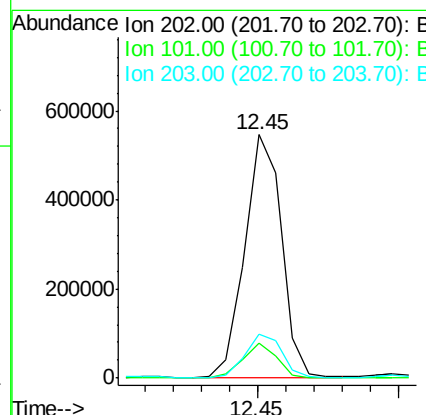
RT: 12.45 min Scan# 1762

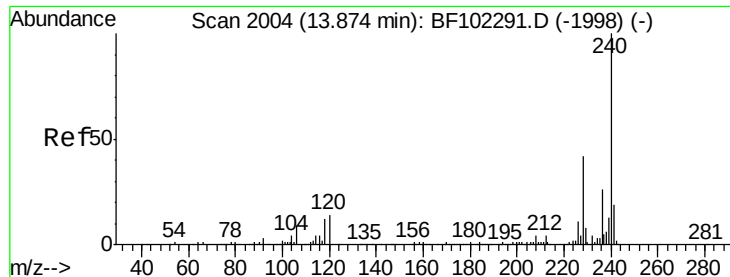
Delta R.T. 0.01 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

Tgt Ion:	202	Resp:	494844
Ion Ratio	Lower	Upper	
202	100		
101	14.3	0.0	34.1
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

Instrument :

BNA_F

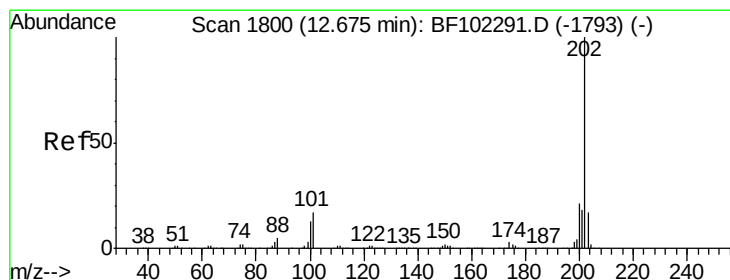
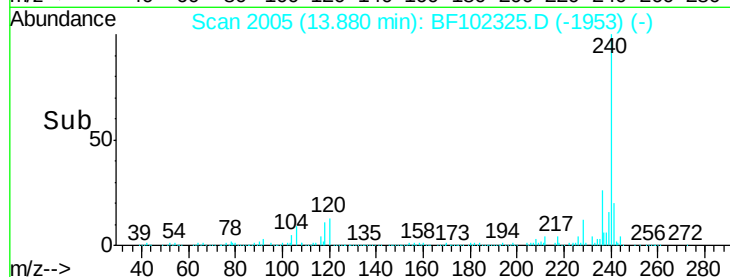
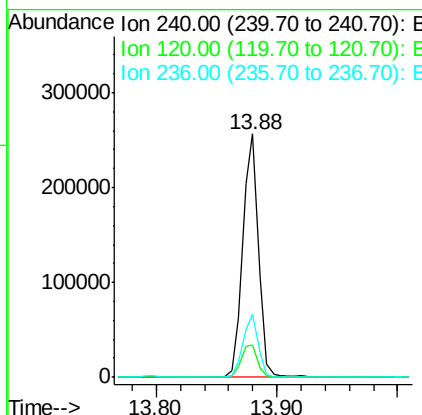
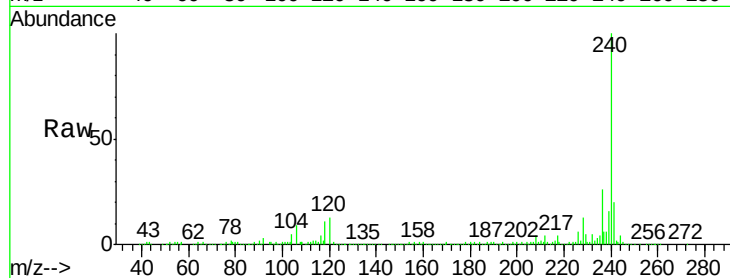
ClientSampleId :

RT-4248DL

Tot Ion:	240	Resp:	232155
Ion Ratio		Lower	Upper
240	100		
120	13.5	9.5	14.3
236	25.9	20.7	31.1

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#77

Pyrene

Concen: 32.830 ng

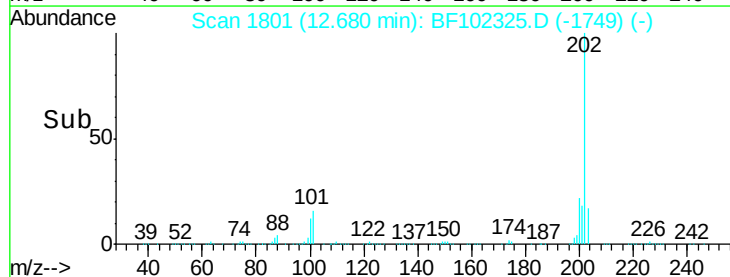
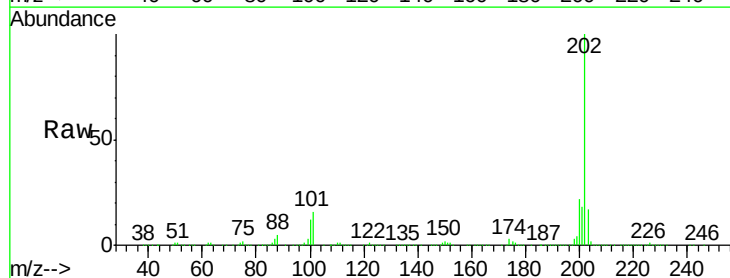
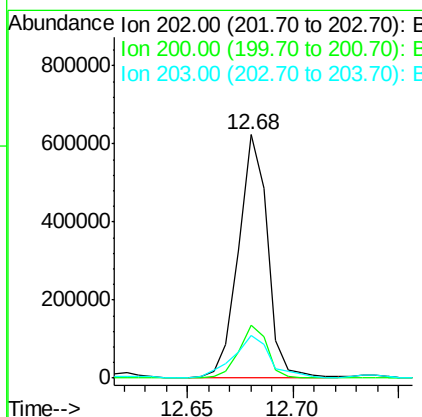
RT: 12.68 min Scan# 1801

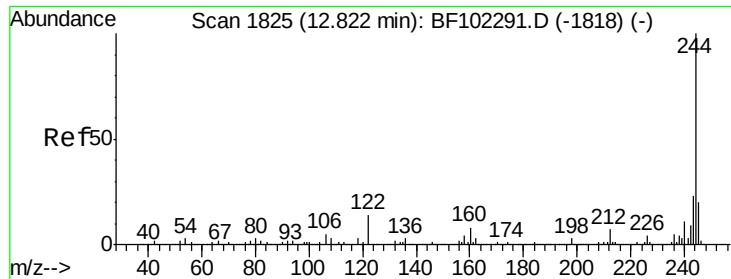
Delta R.T. 0.01 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

Tgt Ion:	202	Resp:	589282
Ion Ratio		Lower	Upper
202	100		
200	21.7	17.4	26.2
203	17.3	14.3	21.5





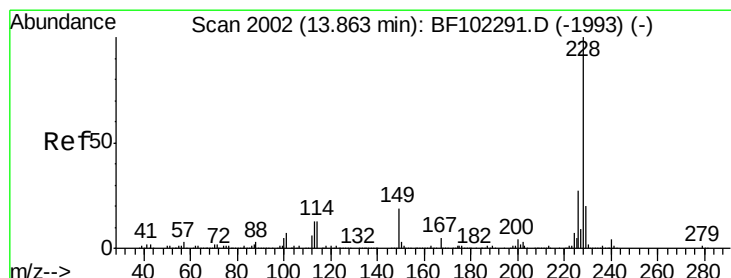
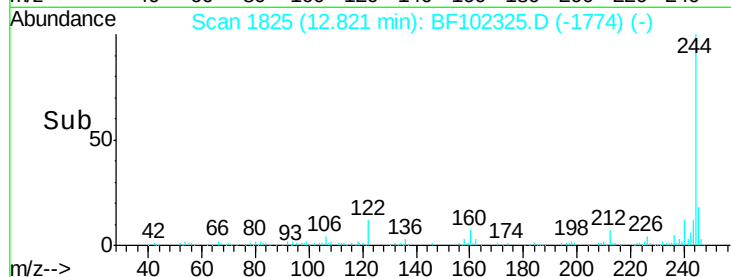
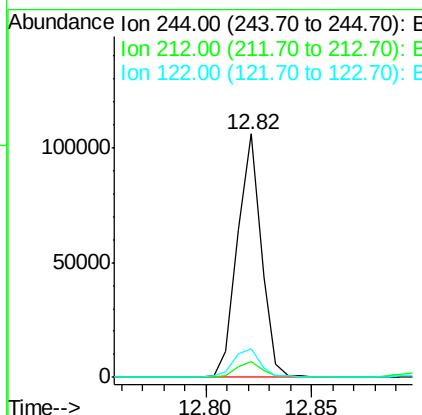
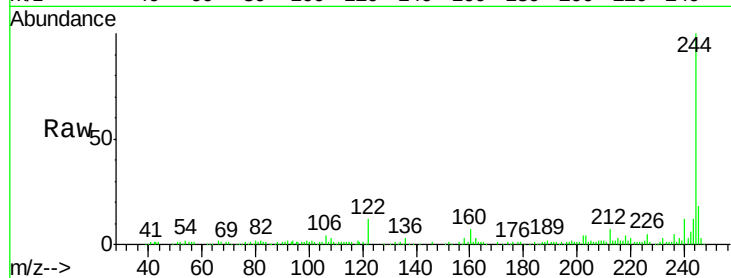
#78
 Terphenyl-d14
 Concen: 8.032 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: BF102325.D
 Acq: 23 Jan 2018 3:53

Instrument :
 BNA_F
 ClientSampleID :
 RT-4248DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.7	11.0	16.4

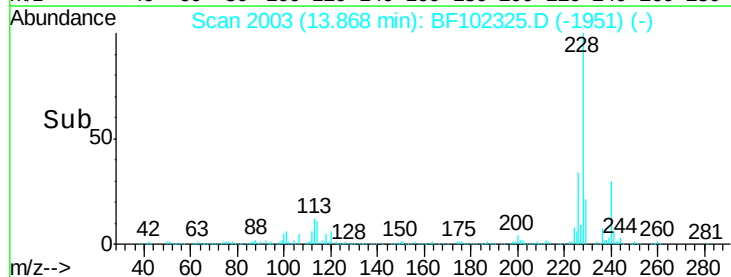
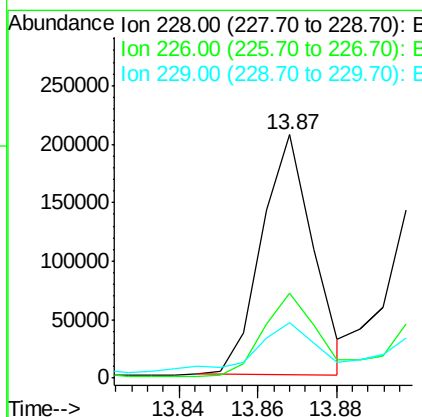
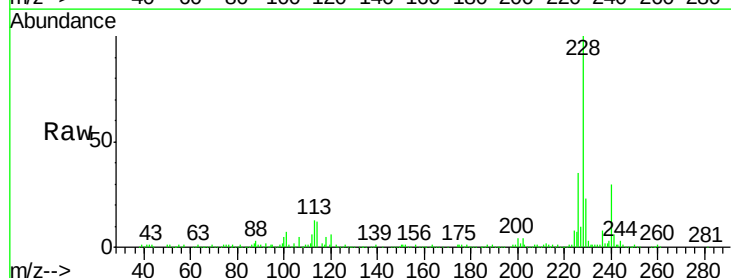
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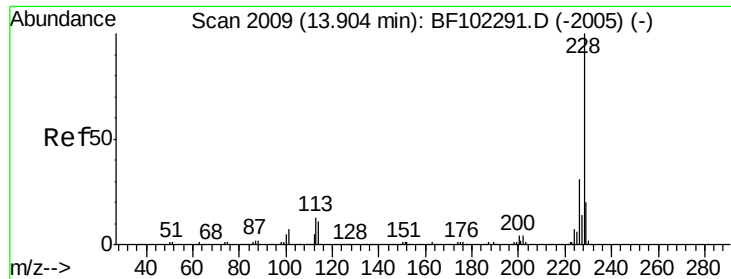
Sohil
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#80
 Benzo(a)anthracene
 Concen: 12.912 ng m
 RT: 13.87 min Scan# 2003
 Delta R.T. 0.01 min
 Lab File: BF102325.D
 Acq: 23 Jan 2018 3:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.1	22.6	33.8#
229	22.5	15.8	23.6





#82

Chrysene

Concen: 14.984 ng/mL

RT: 13.90 min Scan# 2009

Delta R.T. -0.00 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

Instrument :

BNA_F

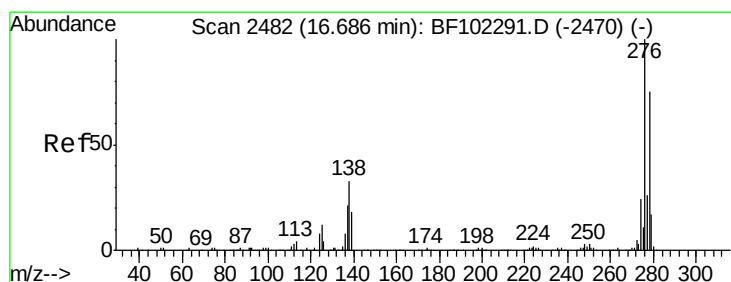
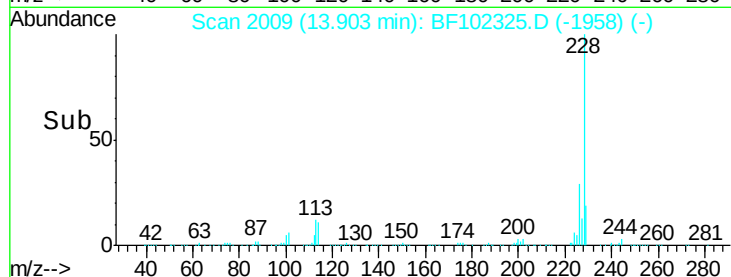
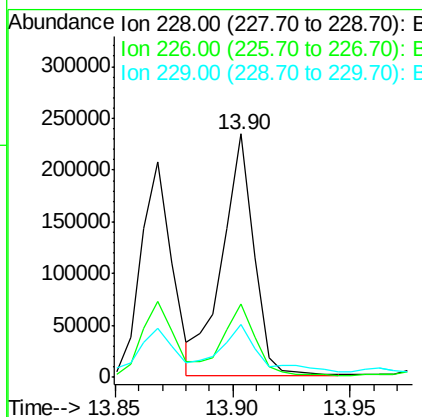
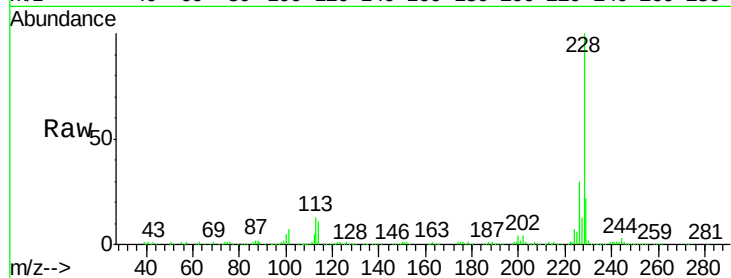
ClientSampleId :

RT-4248DL

Tot Ion:	228	Resp:	217485
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.0	37.6
229	21.9	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.349 ng

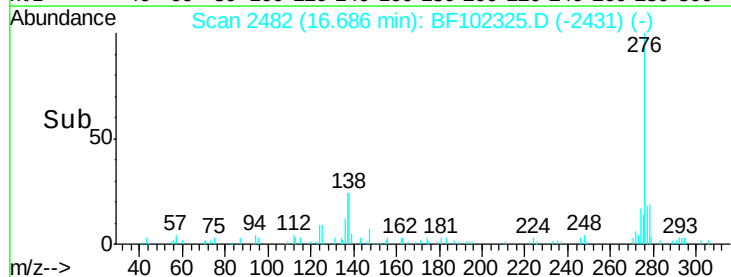
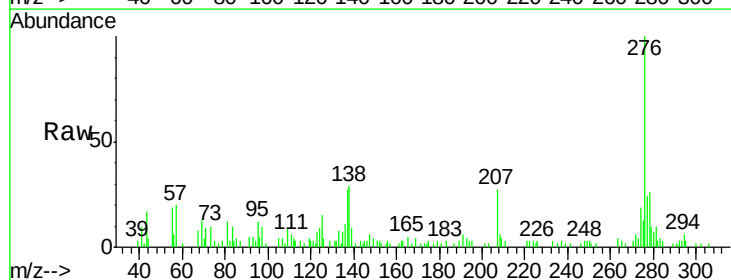
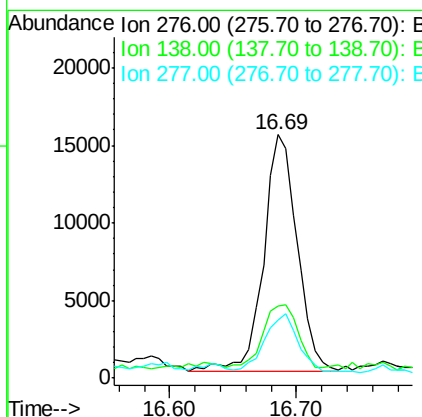
RT: 16.69 min Scan# 2482

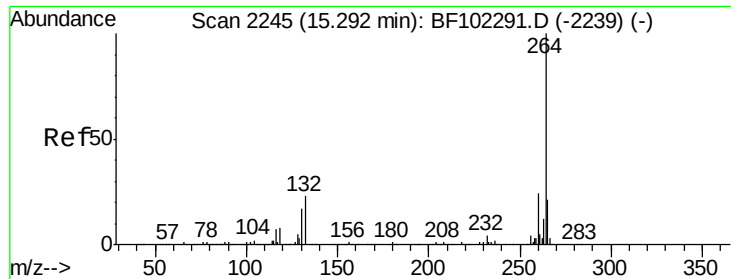
Delta R.T. -0.00 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

Tgt Ion:	276	Resp:	28158
Ion Ratio	Lower	Upper	
276	100		
138	27.9	25.0	37.6
277	24.5	20.1	30.1





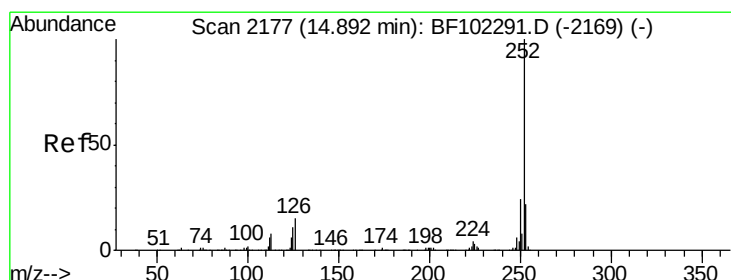
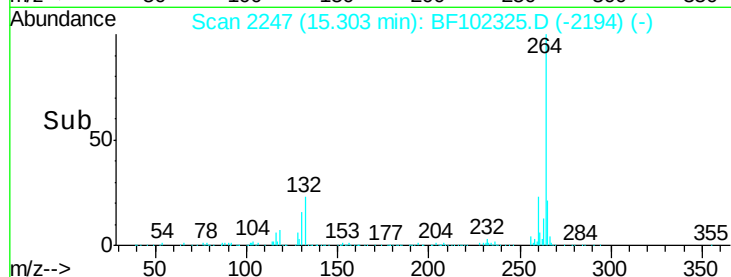
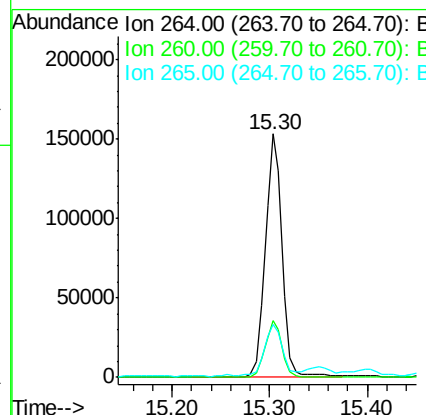
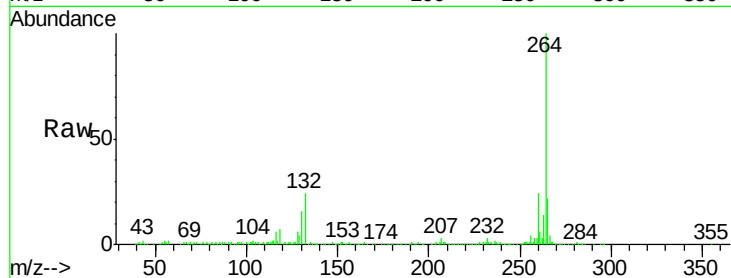
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Instrument :
BNA_F
ClientSampleId :
RT-4248DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.9	17.5	26.3

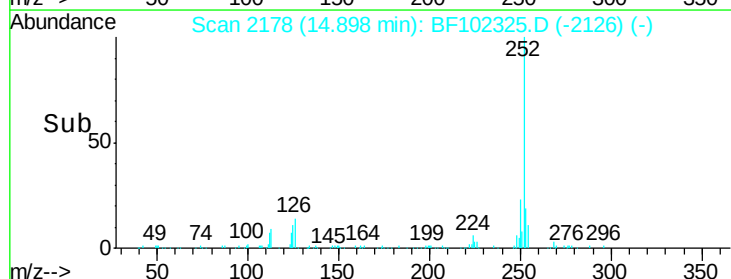
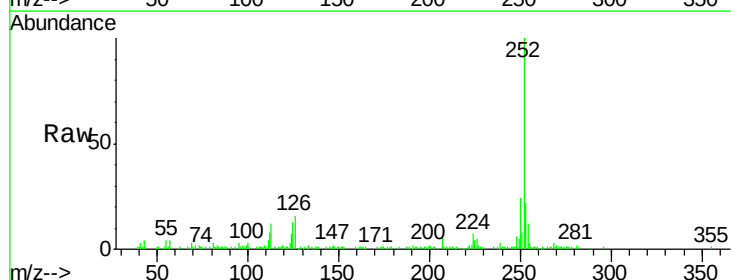
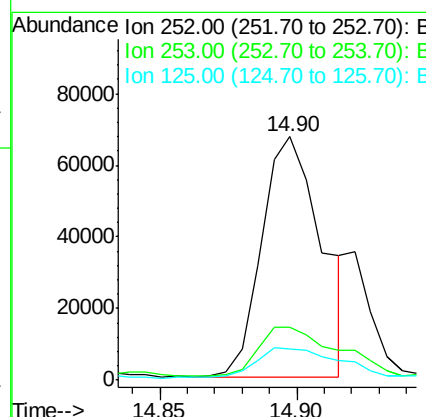
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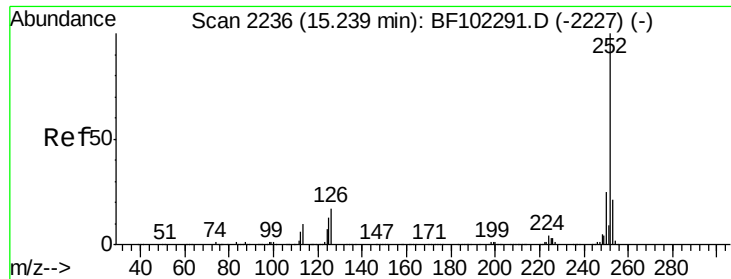
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#87
Benzo(b)fluoranthene
Concen: 8.465 ng m
RT: 14.90 min Scan# 2178
Delta R.T. 0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.6
125	12.8	9.0	13.6





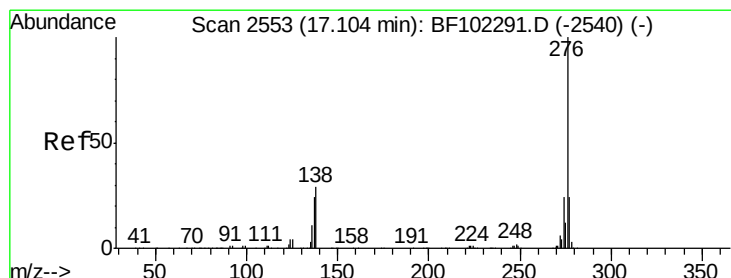
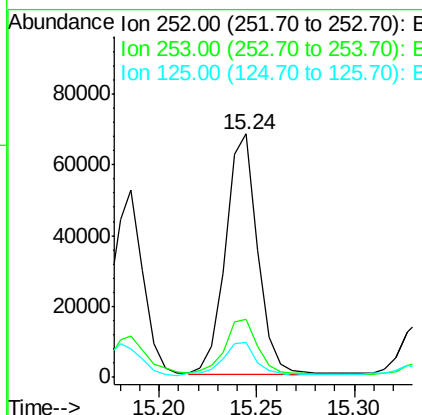
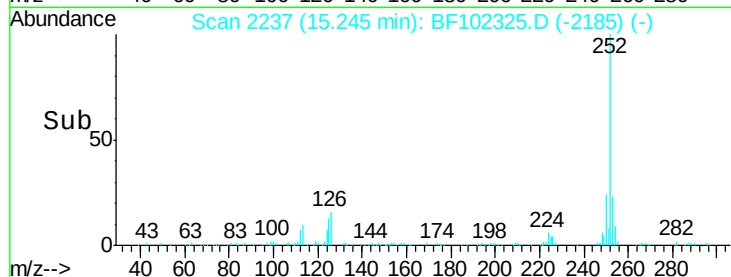
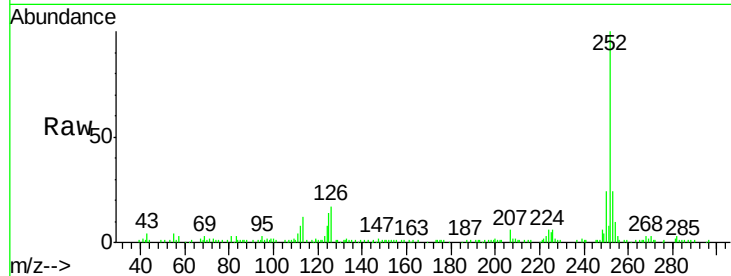
#89
Benzo(a)pyrene
Concen: 7.082 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Instrument :
BNA_F
ClientSampleId :
RT-4248DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	14.5	9.8	14.6

Manual Integrations
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1/23/2018 12:47:03 PM



#91
Benzo(g,h,i)perylene
Concen: 3.624 ng
RT: 17.11 min Scan# 2554
Delta R.T. 0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.9	17.9	26.9
138	32.9	21.8	32.8#

