

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
 Data File : BF102564.D
 Acq On : 28 Jan 2018 18:21
 Operator : SJ/JU
 Sample : J1290-18
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-46-9.5-10.0

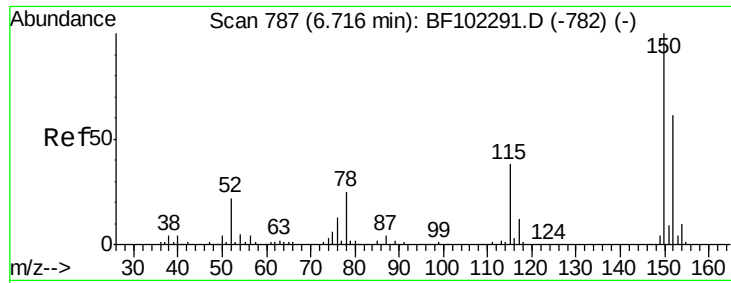
Manual Integrations
 APPROVED

Sohil
 1/29/2018 5:48:01 PM

Quant Time: Jan 29 04:14:52 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	161788	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	650258	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	272418	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	383282	20.00	ng	0.00
75) Chrysene-d12	13.87	240	288088	20.00	ng	0.00
86) Perylene-d12	15.30	264	310053	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1006993	94.37	ng	0.00
7) Phenol-d6	6.36	99	1202125	93.45	ng	0.00
23) Nitrobenzene-d5	7.28	82	749690	66.25	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	200057	74.12	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1228510	66.31	ng	0.00
78) Terphenyl-d14	12.82	244	753876	58.99	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.37	94	60000	4.272	ng	88
49) Dimethylphthalate	9.46	163	194925	8.657	ng	99
51) Acenaphthene	9.77	154	37249	2.162	ng	95
57) Fluorene	10.29	166	46220	2.502	ng	99
70) Phenanthrene	11.26	178	482437	21.600	ng	98
71) Anthracene	11.31	178	134763	5.911	ng	98
72) Carbazole	11.47	167	60207	2.707	ng	98
74) Fluoranthene	12.44	202	576186	25.298	ng	99
77) Pyrene	12.67	202	480776	21.585	ng	99
80) Benzo(a)anthracene	13.86	228	257809m	14.535	ng	
82) Chrysene	13.90	228	241917m	13.431	ng	
85) Indeno(1,2,3-cd)pyrene	16.70	276	121423	8.163	ng	96
87) Benzo(b)fluoranthene	14.89	252	318310m	15.839	ng	
88) Benzo(k)fluoranthene	14.92	252	108950m	5.738	ng	
89) Benzo(a)pyrene	15.24	252	237484	13.103	ng	95
90) Dibenzo(a,h)anthracene	16.70	278	30844	2.101	ng	# 70
91) Benzo(a,h,i)perylene	17.12	276	110534	7.625	ng	94

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



#1

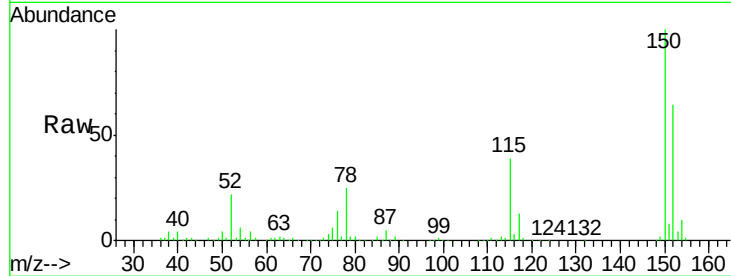
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102564.D
Acq: 28 Jan 2018 18:21

Instrument :
BNA_F
ClientSampleId :
SB-46-9.5-10.0

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	60.4	50.1	75.1

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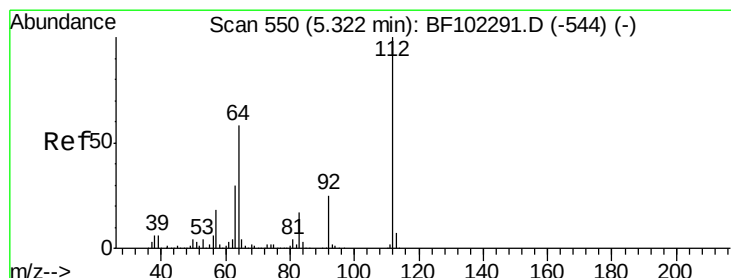
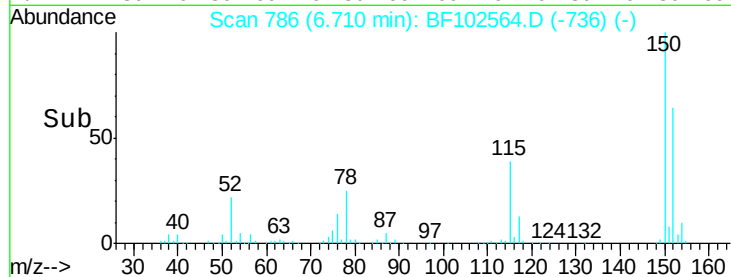
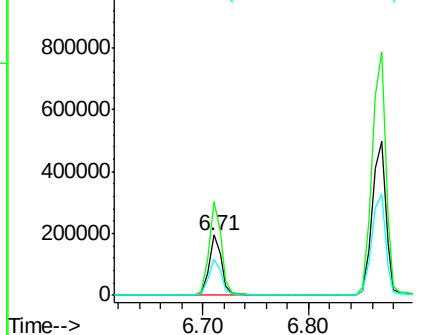


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

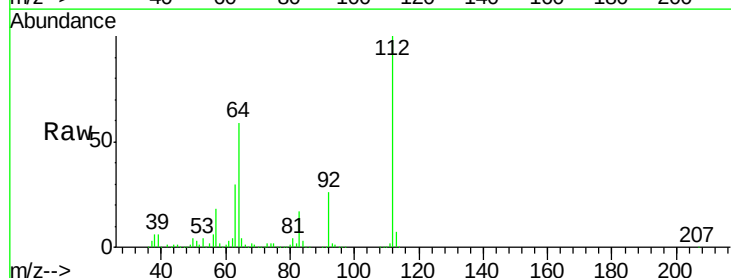
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 94.374 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102564.D
Acq: 28 Jan 2018 18:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.9	71.9
63	29.6	23.7	35.5

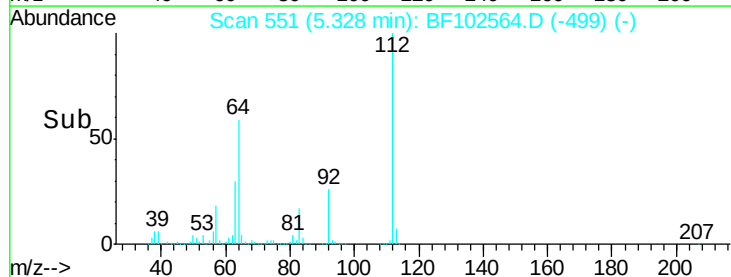
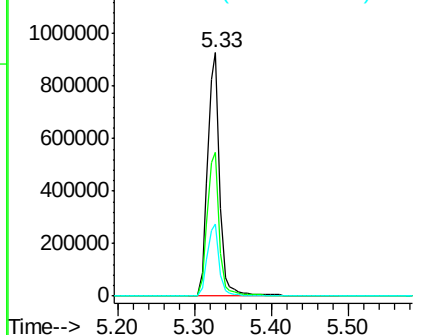


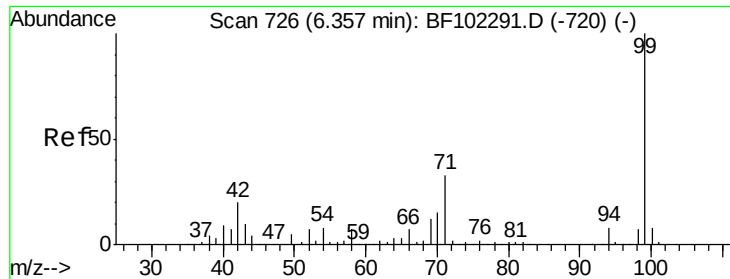
Abundance

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: 93.450 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102564.D

Acq: 28 Jan 2018 18:21

Instrument :

BNA_F

ClientSampled :

SB-46-9.5-10.0

Tot Ion: 99 Resp: 1202125

Ion Ratio Lower Upper

99 100

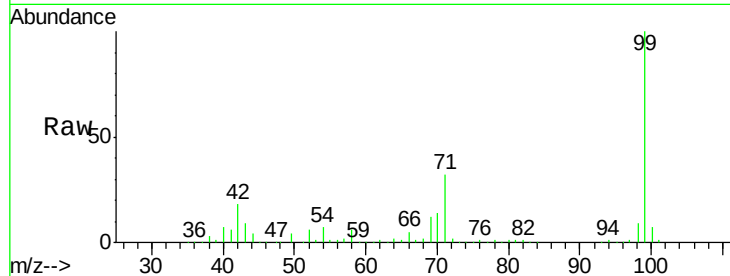
42 17.6 14.5 21.7

71 31.8 25.4 38.0

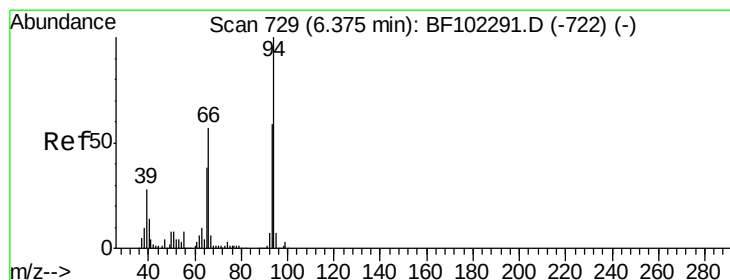
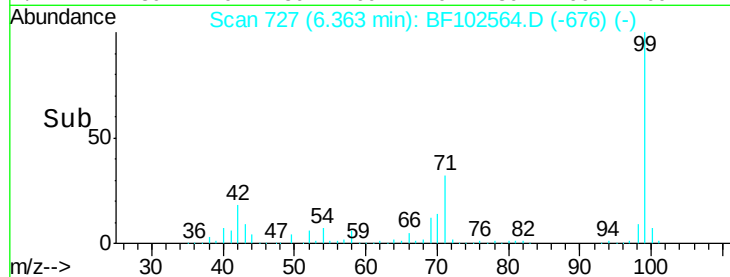
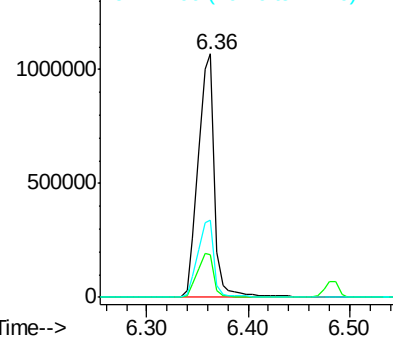
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.272 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102564.D

Acq: 28 Jan 2018 18:21

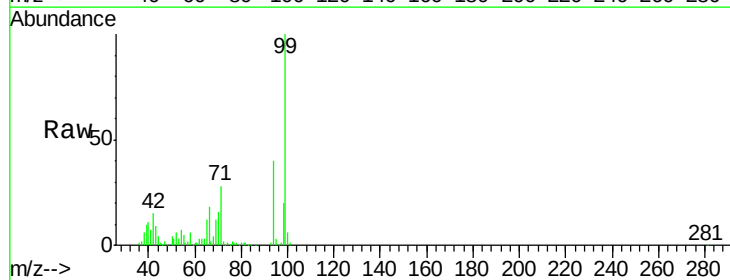
Tgt Ion: 94 Resp: 60000

Ion Ratio Lower Upper

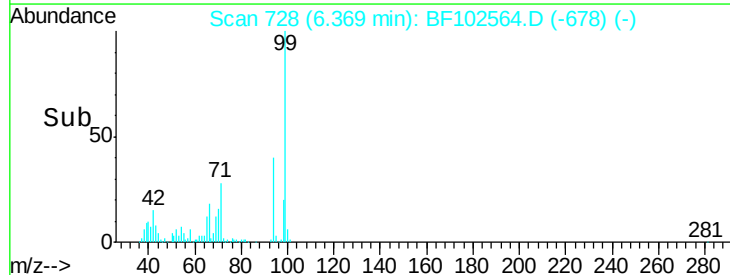
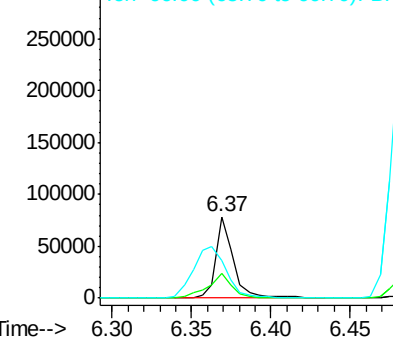
94 100

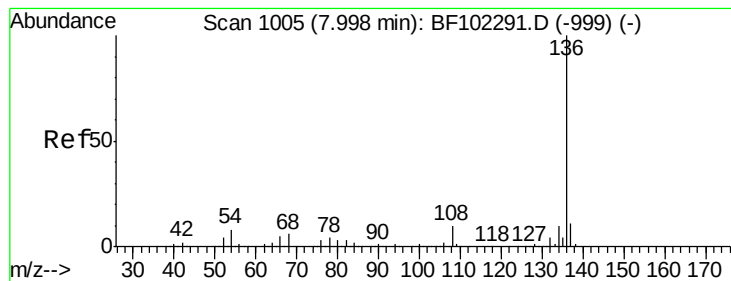
65 30.6 7.9 47.9

66 45.9 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: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF102564.D

Acq: 28 Jan 2018 18:21

Instrument :

BNA_F

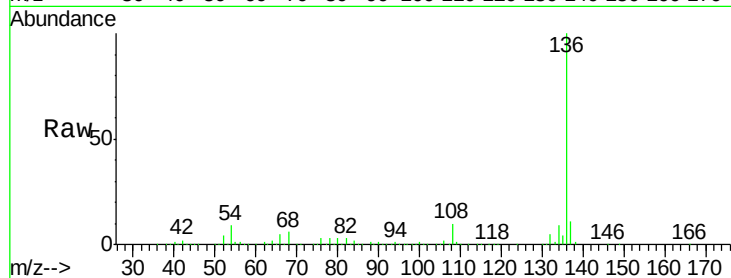
ClientSampleID :

SB-46-9.5-10.0

Tot Ion	Ratio	Resp	Lower	Upper
136	100	650258		
137	10.9		8.9	13.3
54	8.6		6.6	9.8
68	5.8		5.0	7.4

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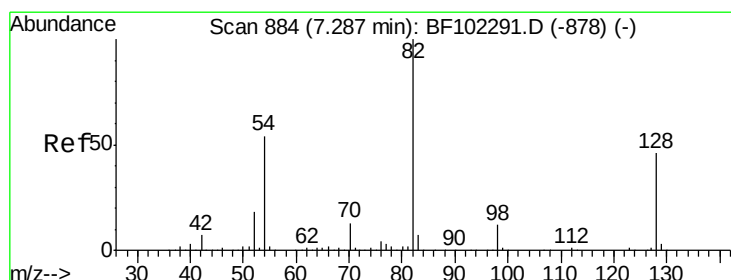
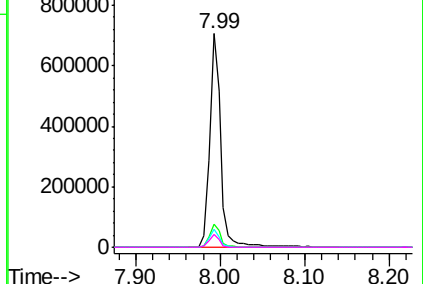
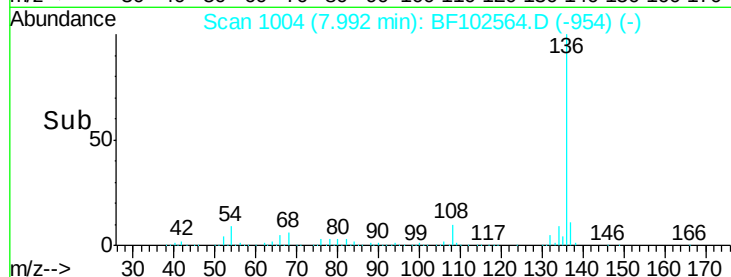


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 66.254 ng

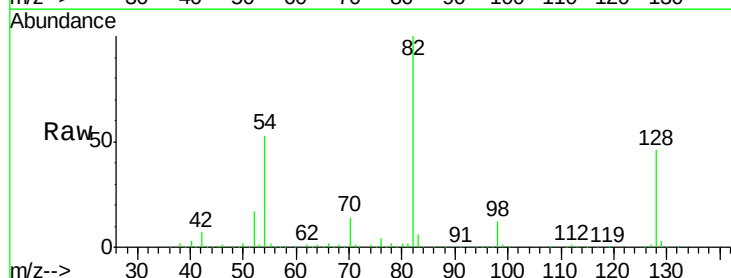
RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102564.D

Acq: 28 Jan 2018 18:21

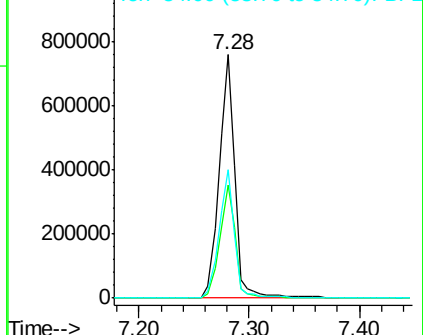
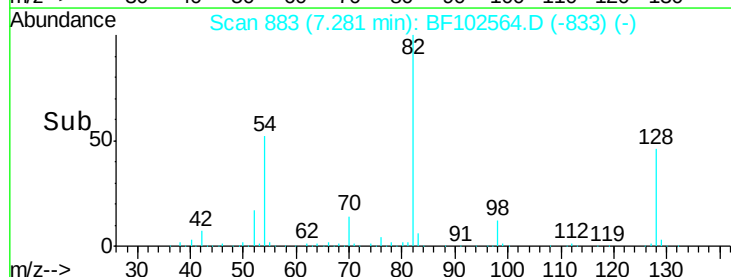
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	749690		
128	46.2		36.1	54.1
54	52.5		41.4	62.2

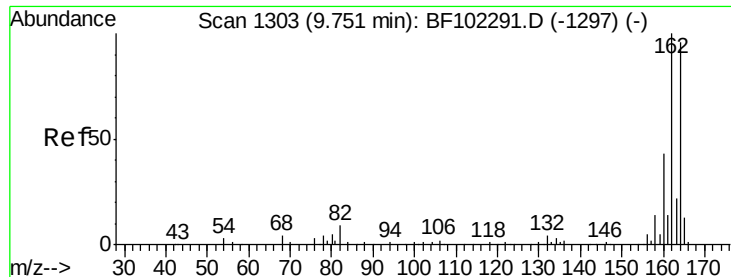


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





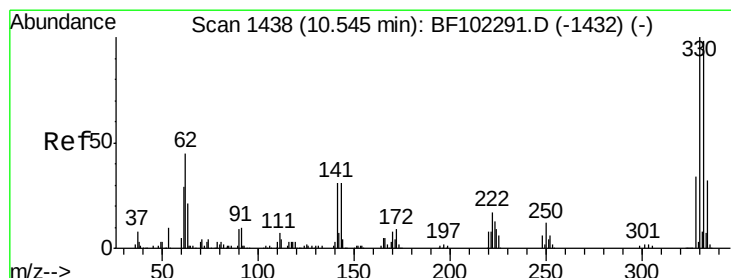
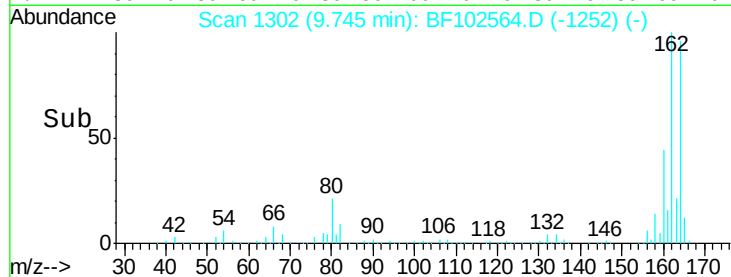
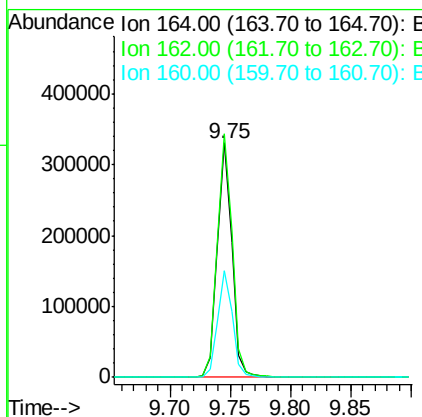
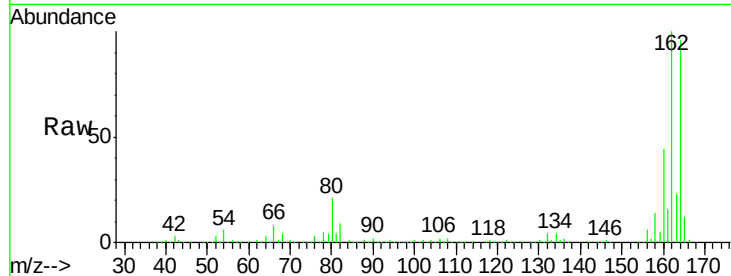
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF102564.D
 Acq: 28 Jan 2018 18:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-46-9.5-10.0

Tot Ion	Ratio	Resp	Lower	Upper
164	100	272418		
162	103.8	86.1	129.1	
160	45.2	38.3	57.5	

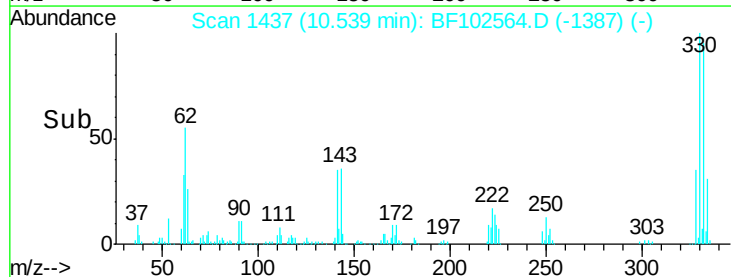
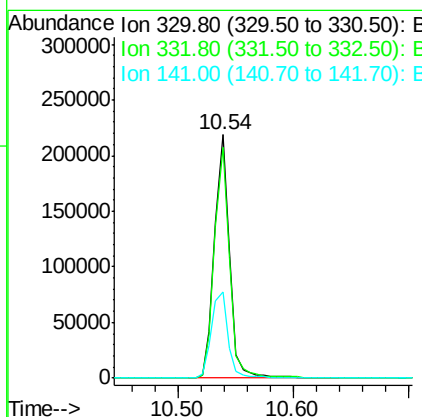
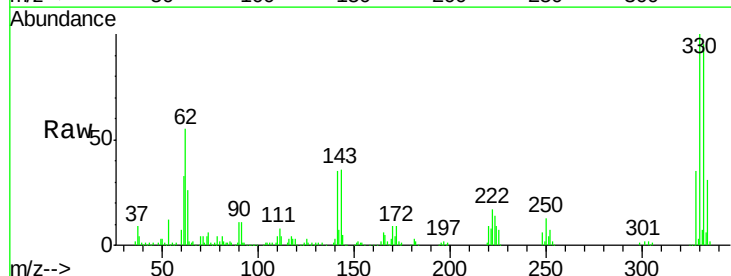
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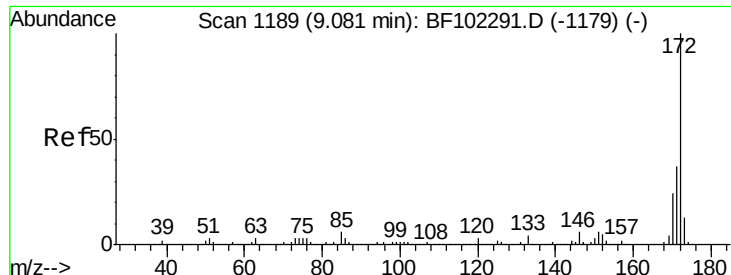
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#41
 2,4,6-Tribromophenol
 Concen: 74.115 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102564.D
 Acq: 28 Jan 2018 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	200057		
332	96.3	77.0	115.6	
141	39.8	29.9	44.9	





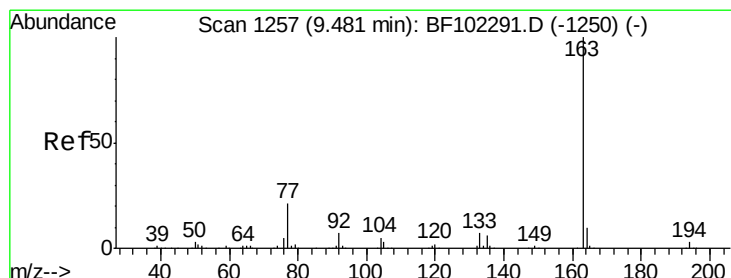
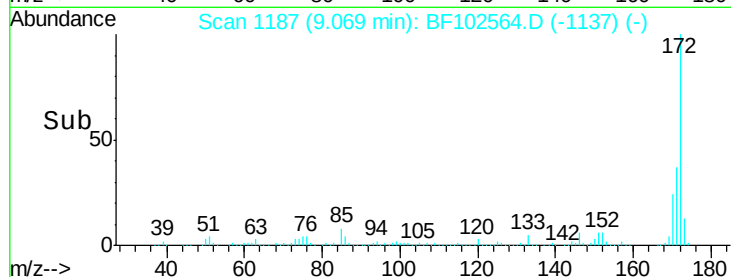
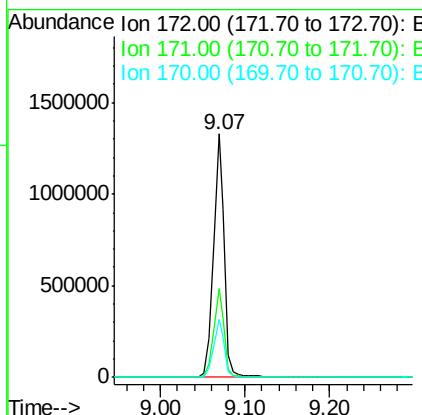
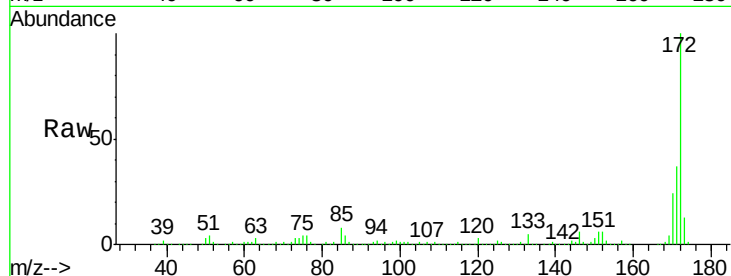
#44
2-Fluorobiphenyl
Concen: 66.308 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF102564.D
Acq: 28 Jan 2018 18:21

Instrument :
BNA_F
ClientSampleId :
SB-46-9.5-10.0

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	23.7	19.6	29.4

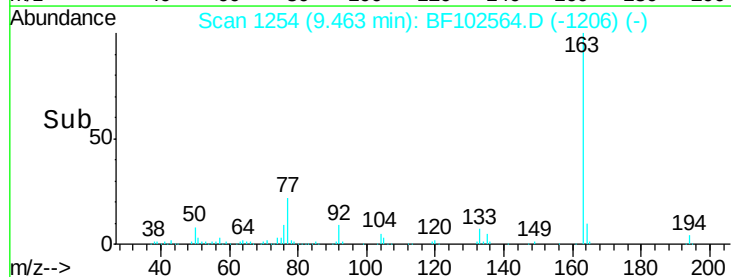
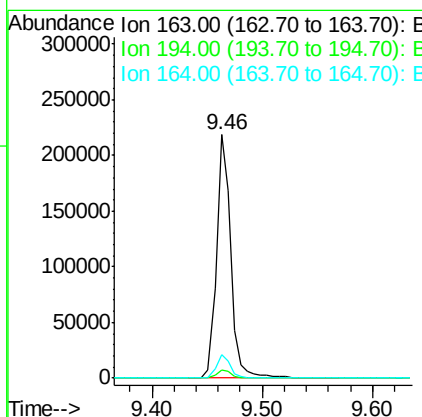
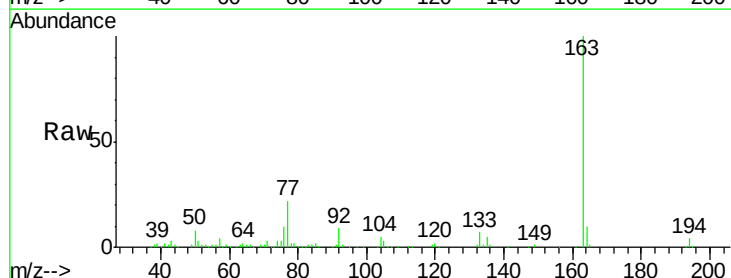
Manual Integrations
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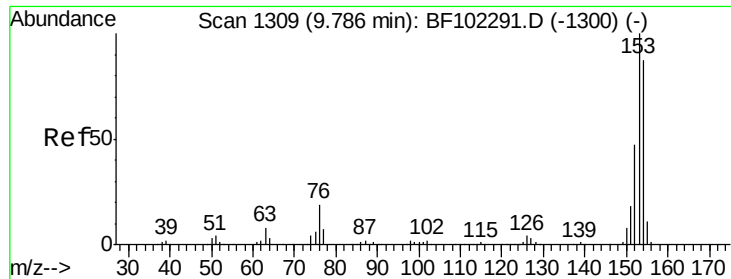
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#49
Dimethylphthalate
Concen: 8.657 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF102564.D
Acq: 28 Jan 2018 18:21

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.5	8.2	12.2





#51

Acenaphthene

Concen: 2.162 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF102564.D

Acq: 28 Jan 2018 18:21

Instrument :

BNA_F

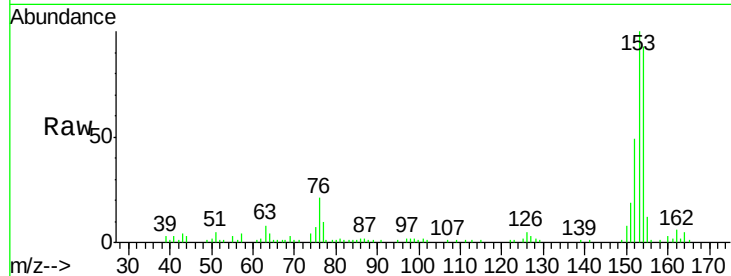
ClientSampleId :

SB-46-9.5-10.0

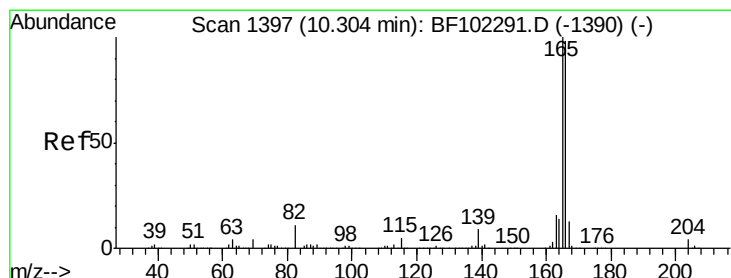
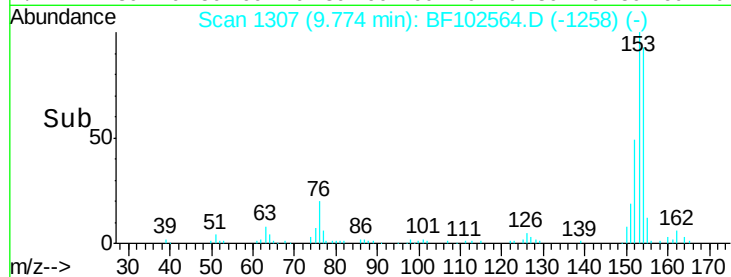
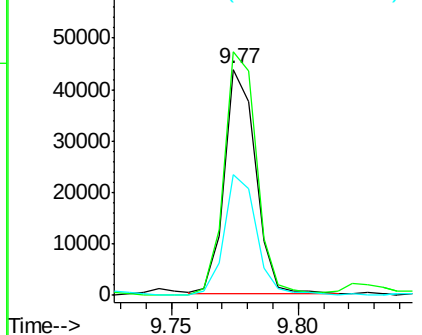
Tot Ion:	154	Resp:	37249
Ion	Ratio	Lower	Upper
154	100		
153	107.8	91.2	136.8
152	53.2	43.8	65.8

Manual Integrations
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1/29/2018 5:48:01 PM



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



#57

Fluorene

Concen: 2.502 ng

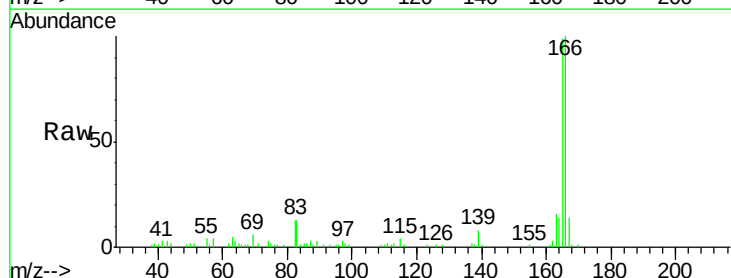
RT: 10.29 min Scan# 1395

Delta R.T. -0.01 min

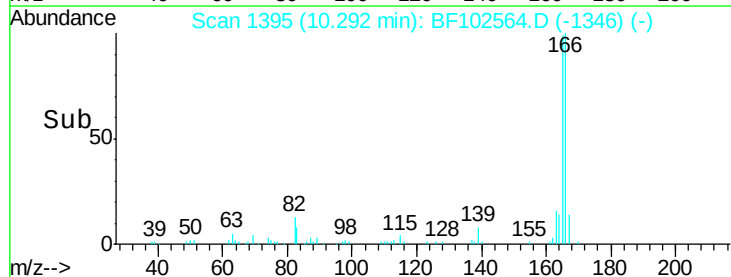
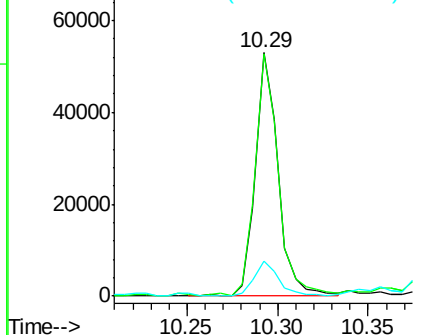
Lab File: BF102564.D

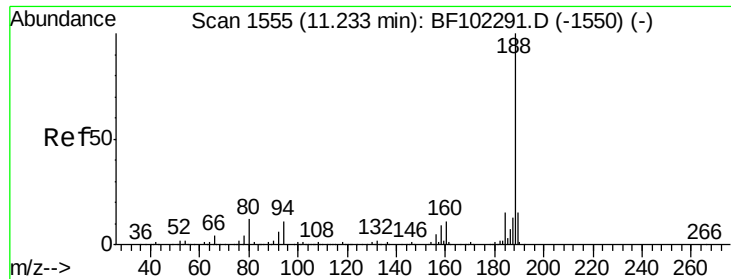
Acq: 28 Jan 2018 18:21

Tgt Ion:	166	Resp:	46220
Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.8	119.8
167	14.2	10.6	16.0



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





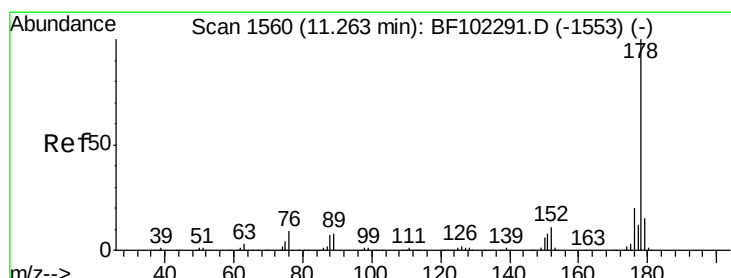
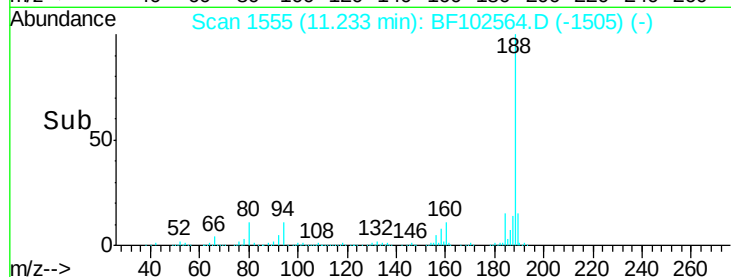
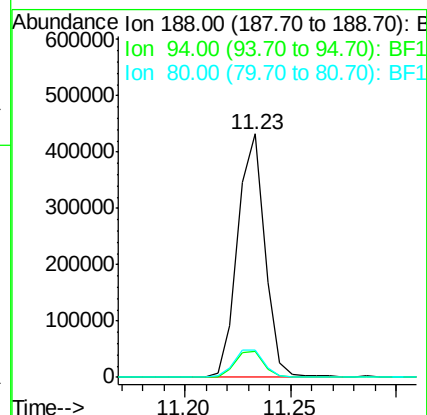
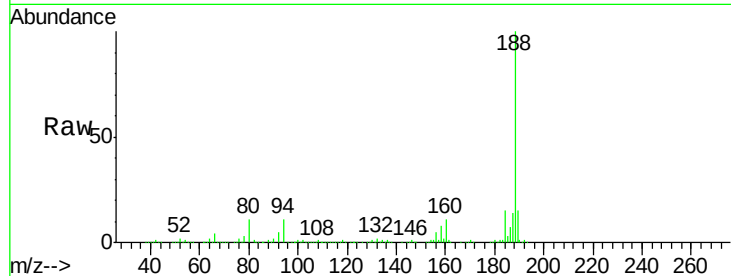
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102564.D
Acq: 28 Jan 2018 18:21

Instrument :
BNA_F
ClientSampleId :
SB-46-9.5-10.0

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.9	8.5	12.7
80	11.1	9.2	13.8

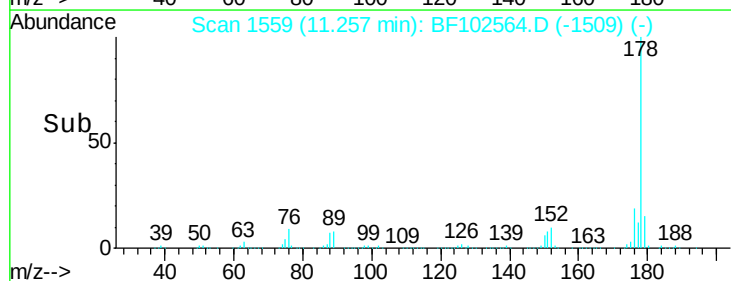
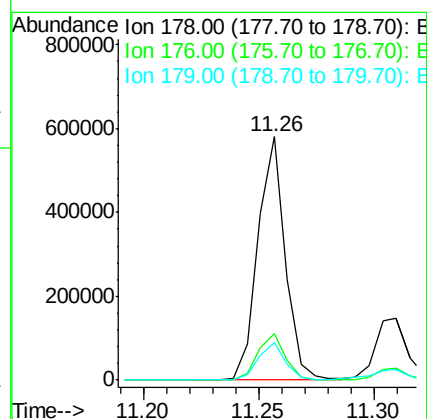
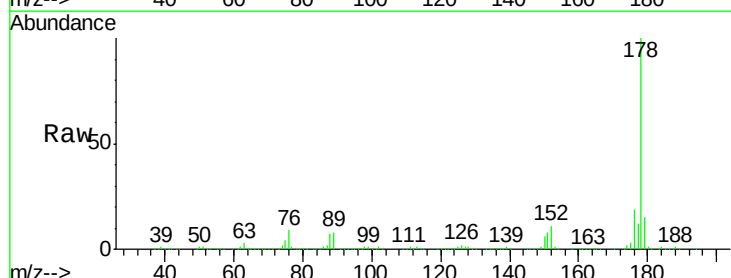
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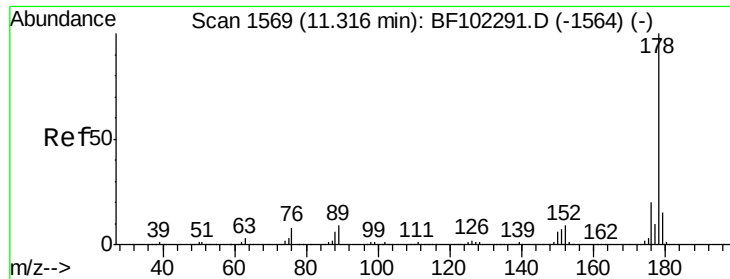
Sohil
1/29/2018 5:48:01 PM



#70
Phenanthrene
Concen: 21.600 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102564.D
Acq: 28 Jan 2018 18:21

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.3	13.0	19.6





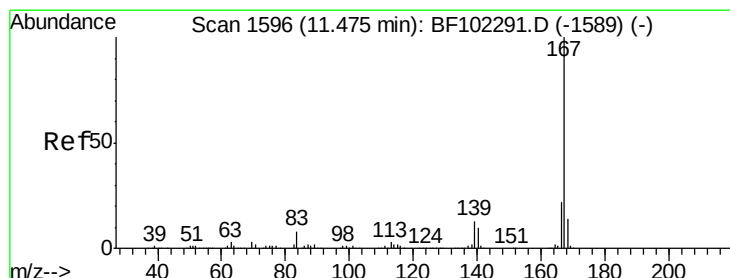
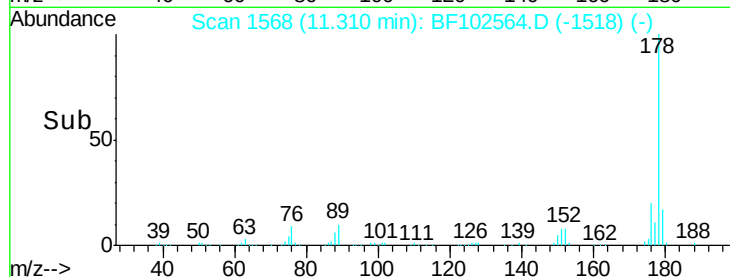
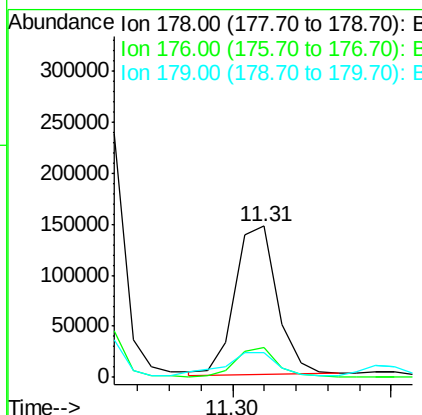
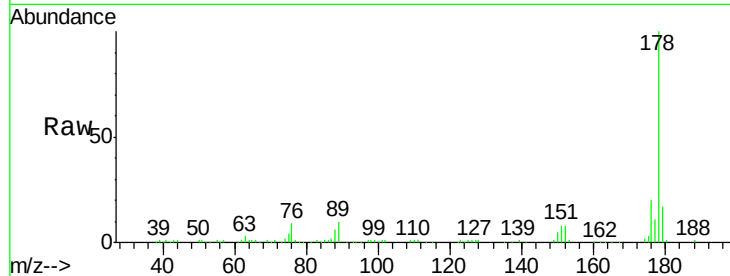
#71
 Anthracene
 Concen: 5.911 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102564.D
 Acq: 28 Jan 2018 18:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-46-9.5-10.0

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.4	23.2
179	16.6	12.6	19.0

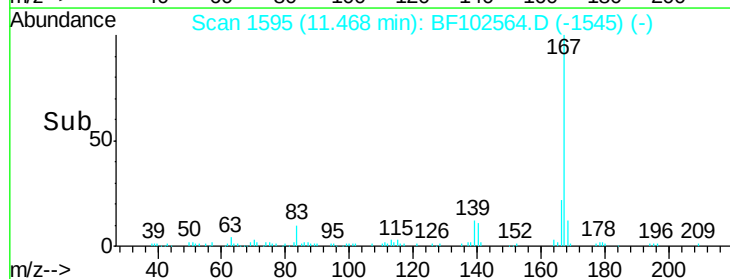
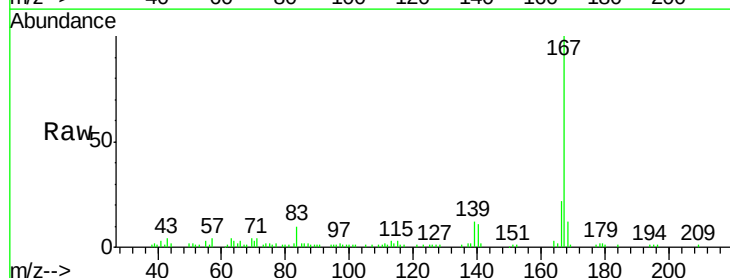
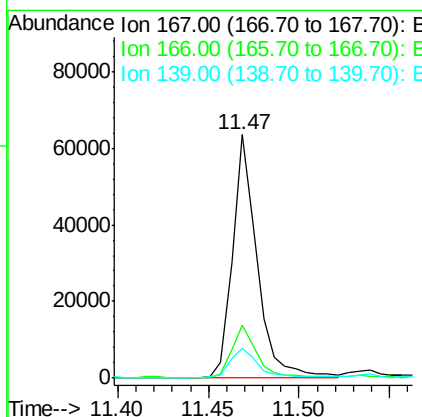
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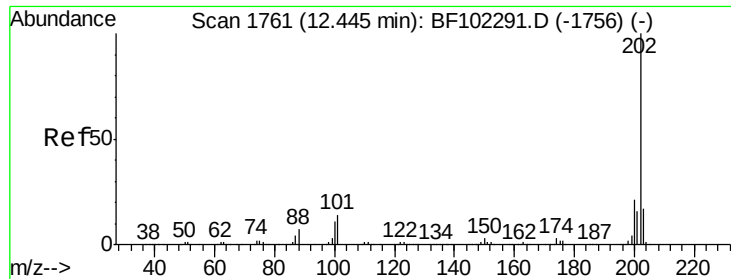
Sohil
 1/29/2018 5:48:01 PM



#72
 Carbazole
 Concen: 2.707 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF102564.D
 Acq: 28 Jan 2018 18:21

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	12.3	10.9	16.3





#74

Fluoranthene

Concen: 25.298 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102564.D

Acq: 28 Jan 2018 18:21

Instrument :

BNA_F

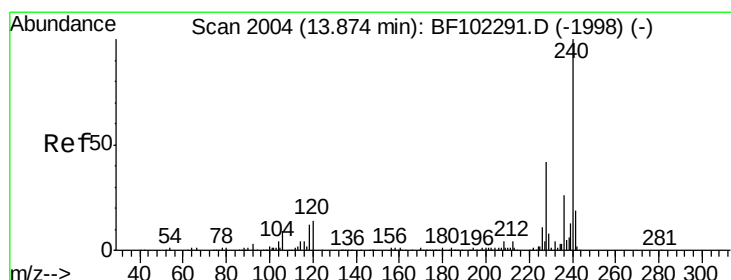
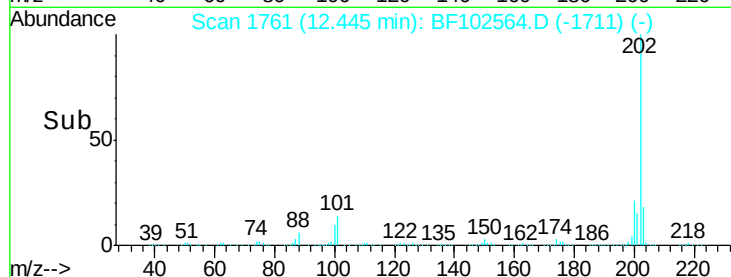
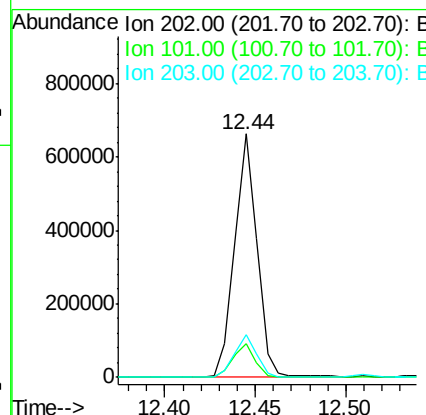
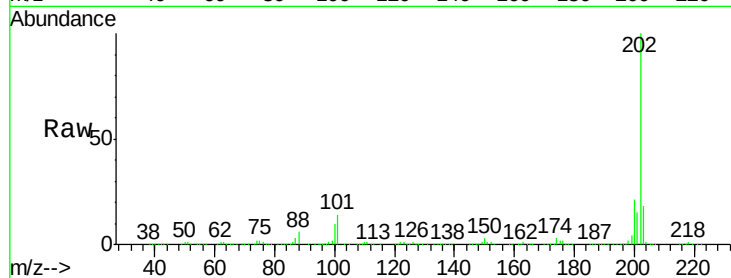
ClientSampleId :

SB-46-9.5-10.0

Tot Ion	Ratio	Resp	Lower	Upper
202	100	576186		
101	13.9	0.0	34.1	
203	17.6	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

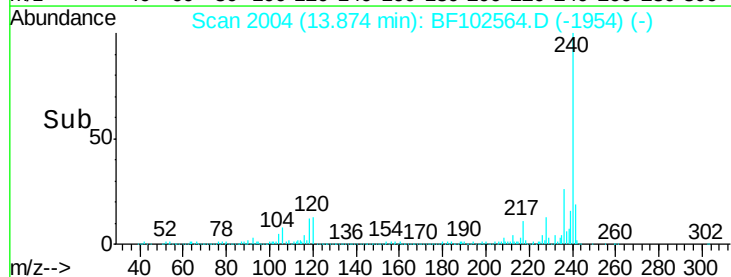
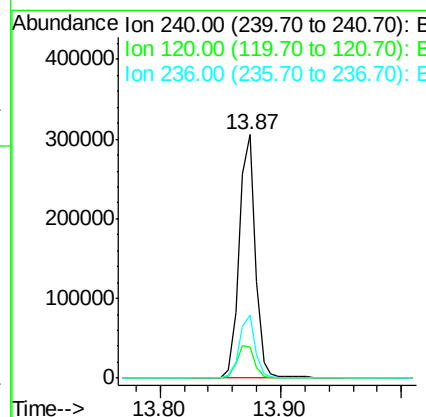
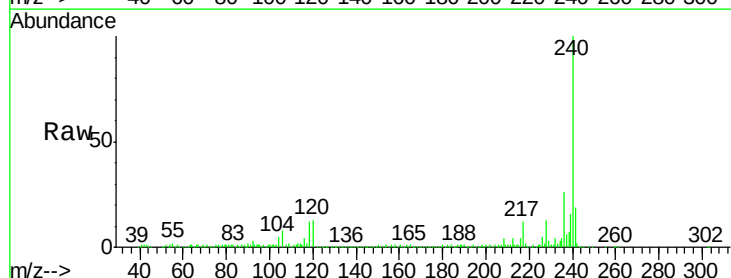
RT: 13.87 min Scan# 2004

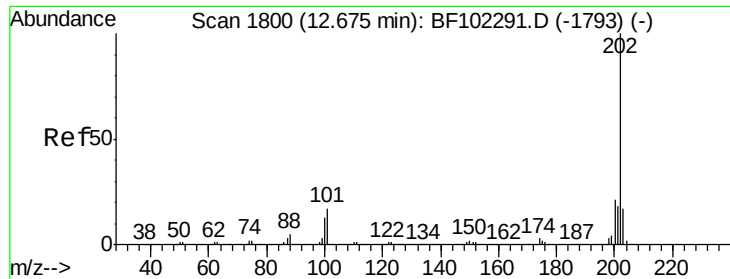
Delta R.T. -0.01 min

Lab File: BF102564.D

Acq: 28 Jan 2018 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	288088		
120	13.0	9.5	14.3	
236	26.0	20.7	31.1	





#77

Pvrene

Concen: 21.585 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102564.D

Acq: 28 Jan 2018 18:21

Instrument :

BNA_F

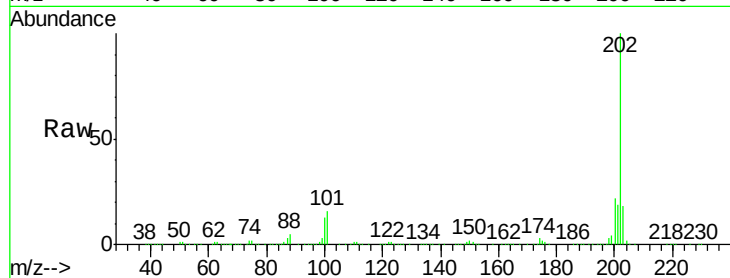
ClientSampleId :

SB-46-9.5-10.0

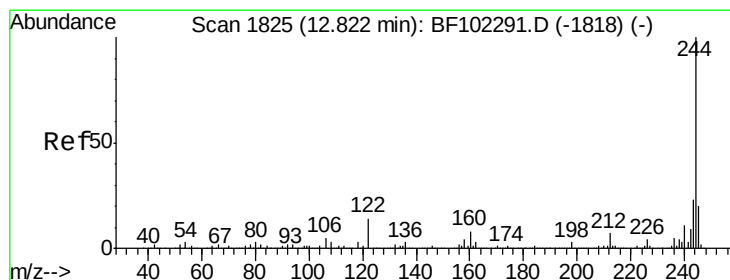
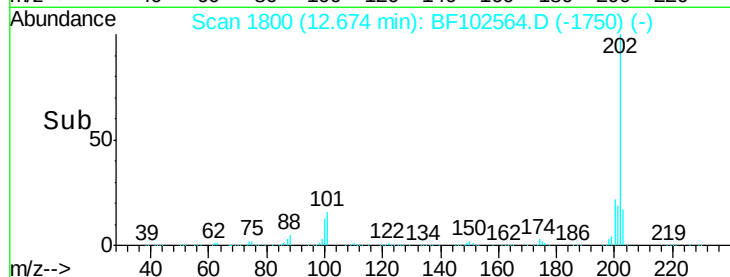
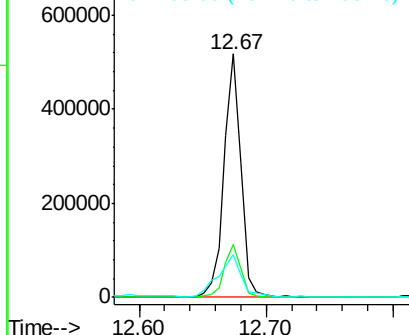
Tot Ion:	202	Resp:	480776
Ion Ratio		Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.7	14.3	21.5

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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: 58.993 ng

RT: 12.82 min Scan# 1824

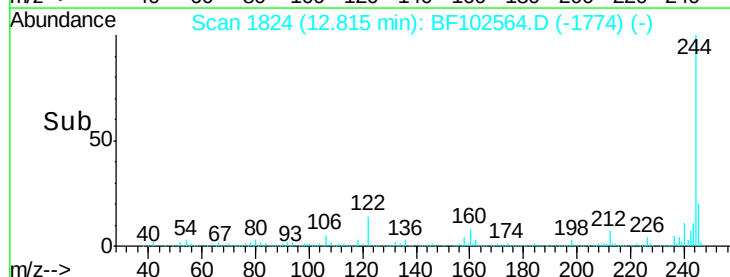
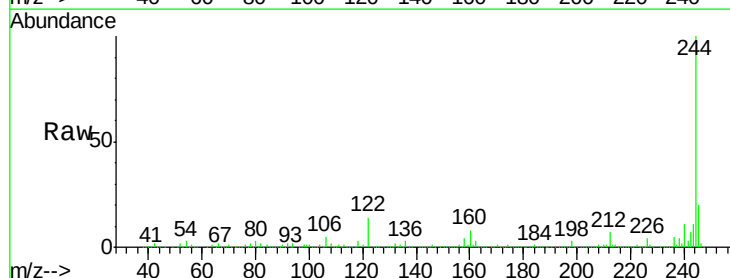
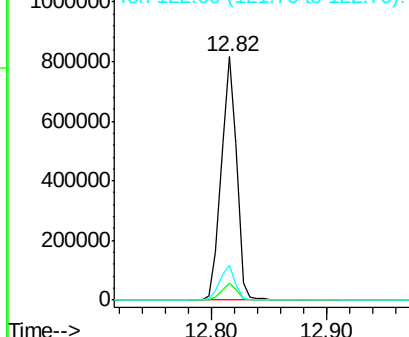
Delta R.T. -0.01 min

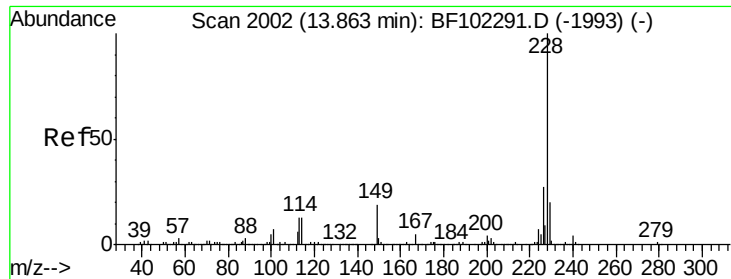
Lab File: BF102564.D

Acq: 28 Jan 2018 18:21

Tgt Ion:	244	Resp:	753876
Ion Ratio		Lower	Upper
244	100		
212	6.9	5.4	8.0
122	14.2	11.0	16.4

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





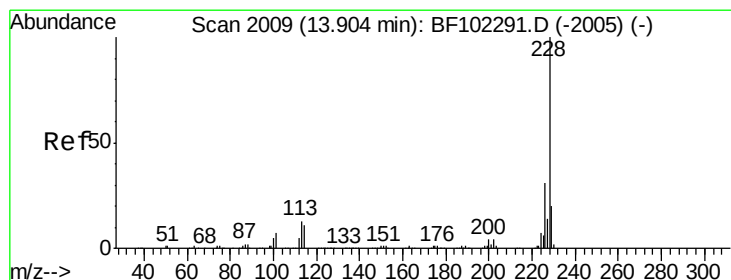
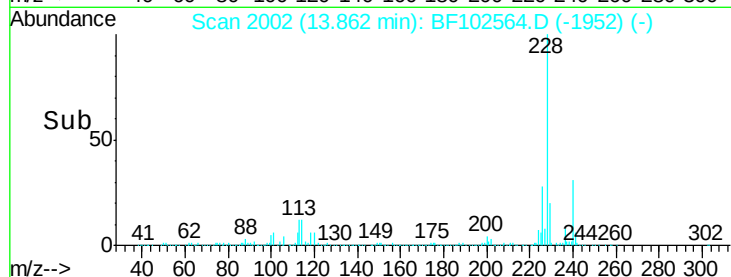
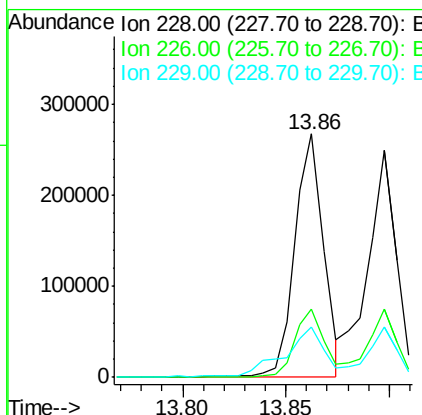
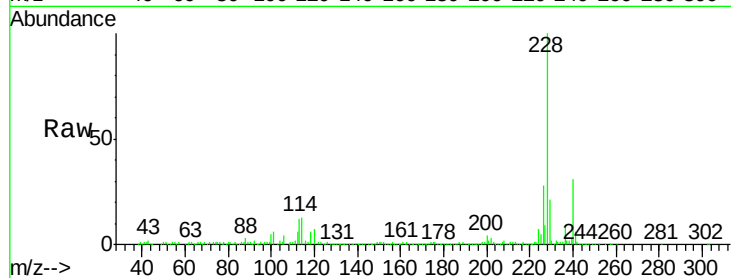
#80
Benzo(a)anthracene
Concen: 14.535 ng m
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF102564.D
Acq: 28 Jan 2018 18:21

Instrument :
BNA_F
ClientSampleId :
SB-46-9.5-10.0

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	20.6	15.8	23.6

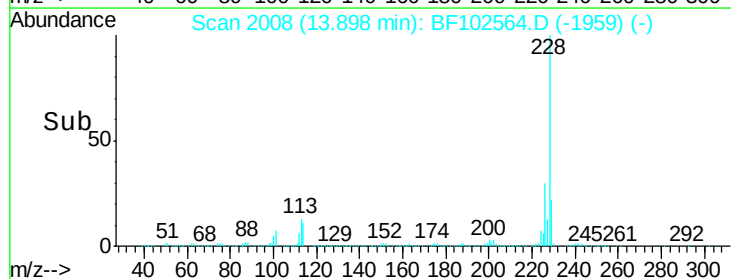
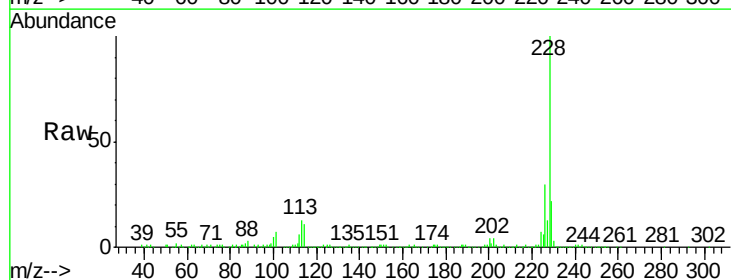
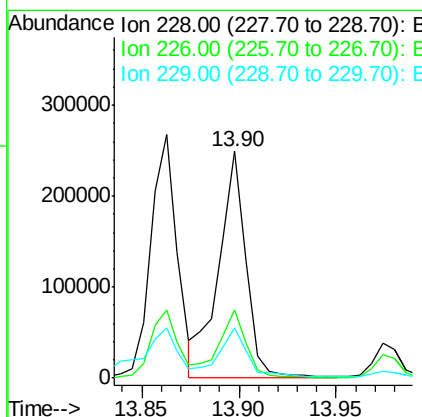
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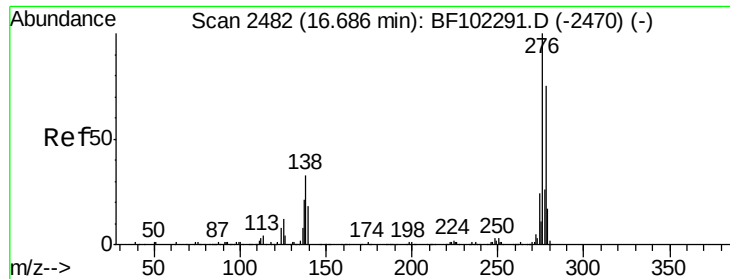
Sohil
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#82
Chrysene
Concen: 13.431 ng m
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102564.D
Acq: 28 Jan 2018 18:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	22.2	16.2	24.4





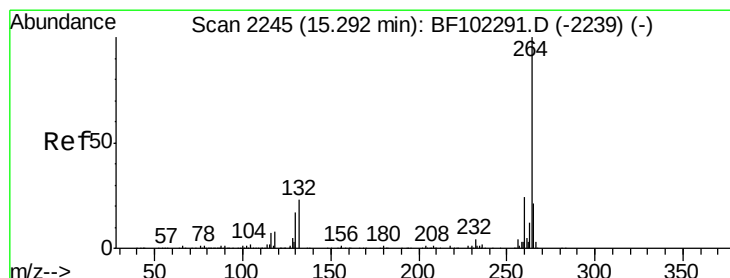
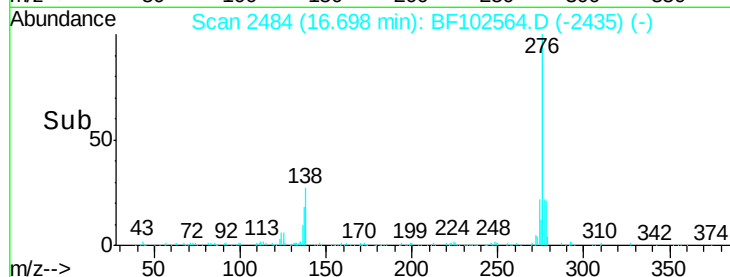
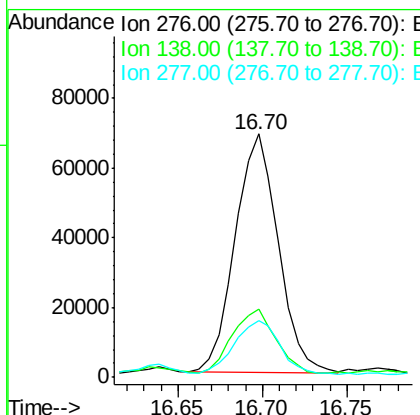
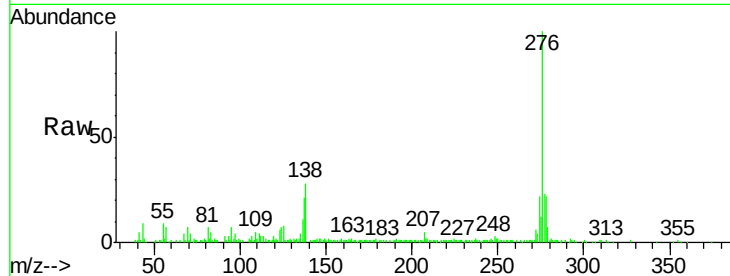
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.163 ng
 RT: 16.70 min Scan# 2484
 Delta R.T. -0.01 min
 Lab File: BF102564.D
 Acq: 28 Jan 2018 18:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-46-9.5-10.0

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.2	25.0	37.6
277	23.7	20.1	30.1

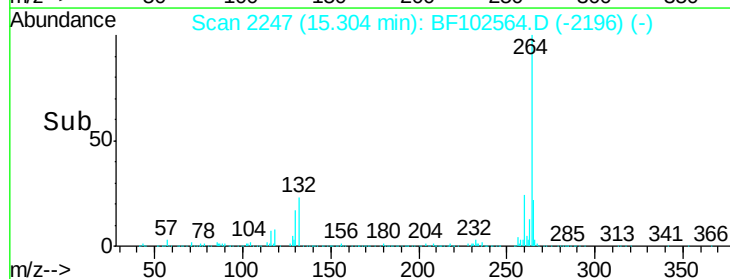
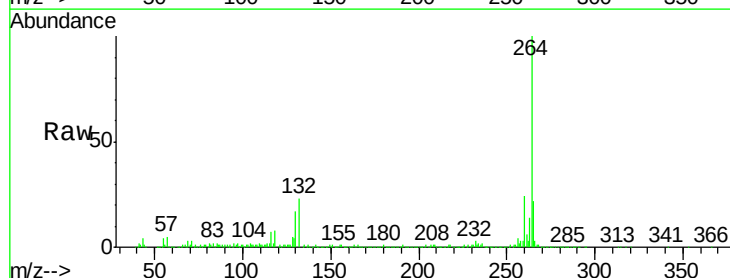
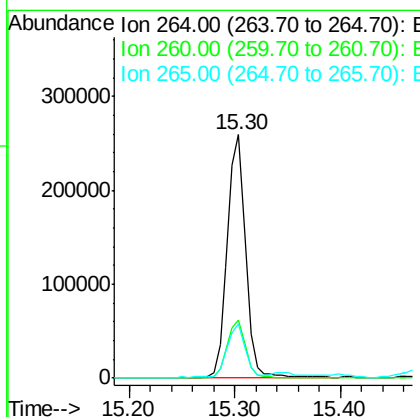
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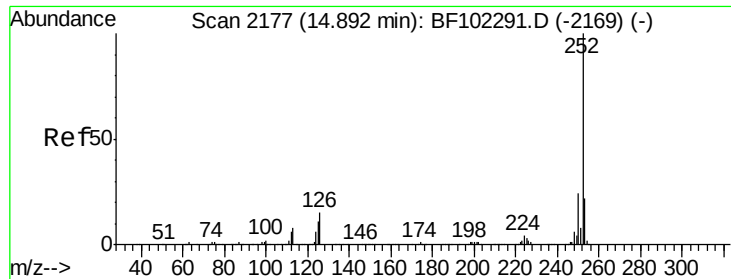
Sohil
 1/29/2018 5:48:01 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. -0.00 min
 Lab File: BF102564.D
 Acq: 28 Jan 2018 18:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.1	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 15.839 ng m

RT: 14.89 min Scan# 2177

Delta R.T. -0.01 min

Lab File: BF102564.D

Acq: 28 Jan 2018 18:21

Instrument :

BNA_F

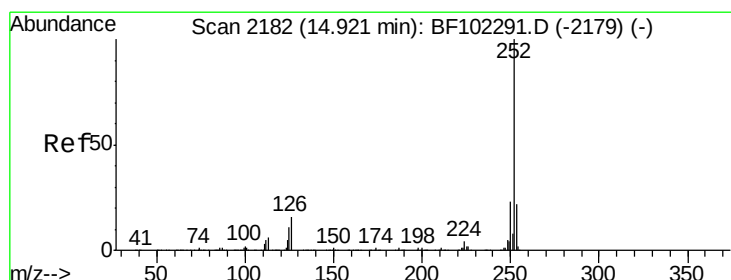
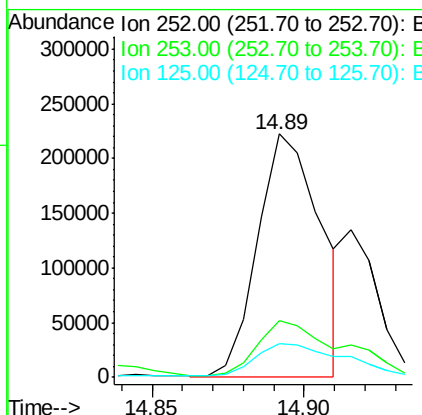
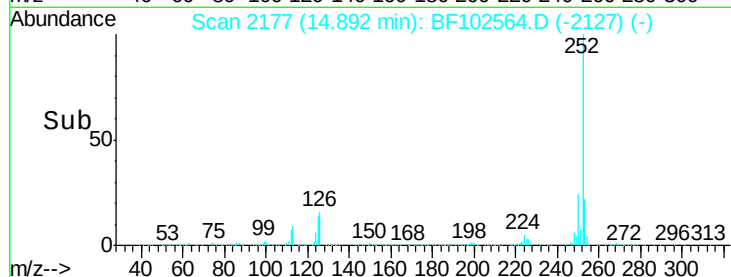
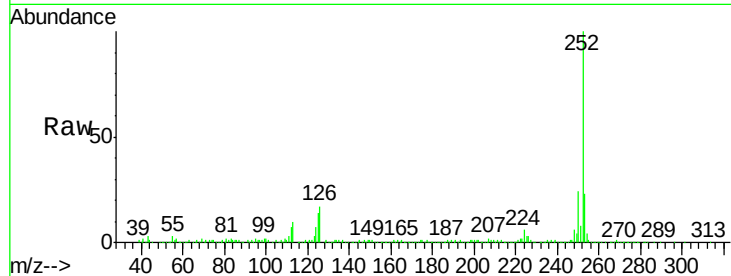
ClientSampleId :

SB-46-9.5-10.0

Tot Ion:	252	Resp:	318310
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.0	25.6
125	14.0	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 5.738 ng m

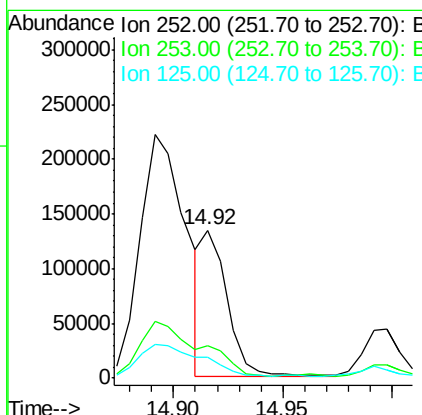
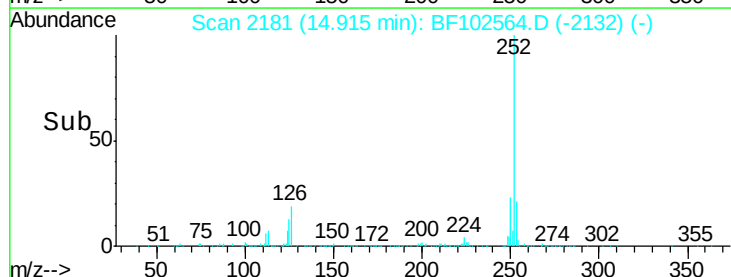
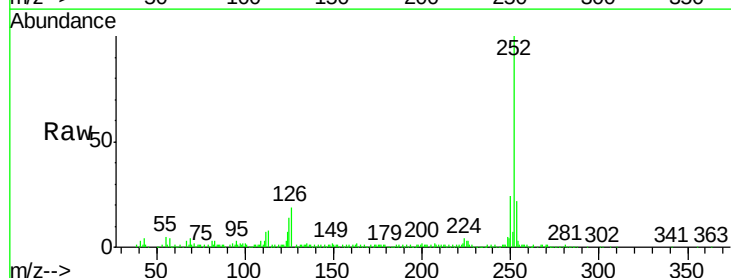
RT: 14.92 min Scan# 2181

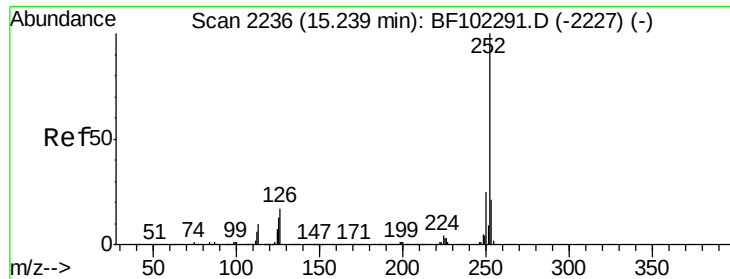
Delta R.T. -0.01 min

Lab File: BF102564.D

Acq: 28 Jan 2018 18:21

Tgt Ion:	252	Resp:	108950
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.9	26.9
125	14.4	10.2	15.2





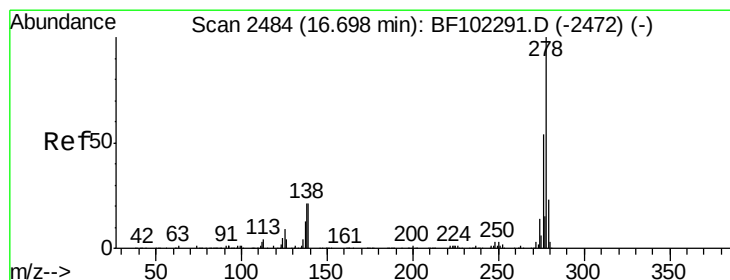
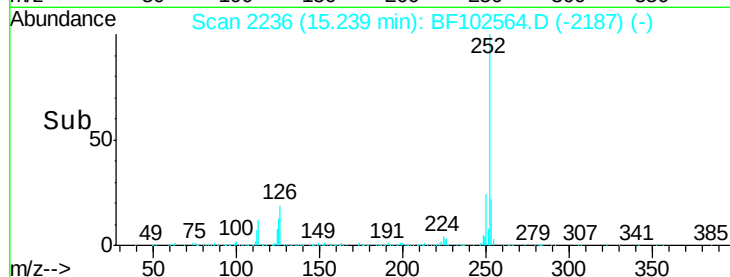
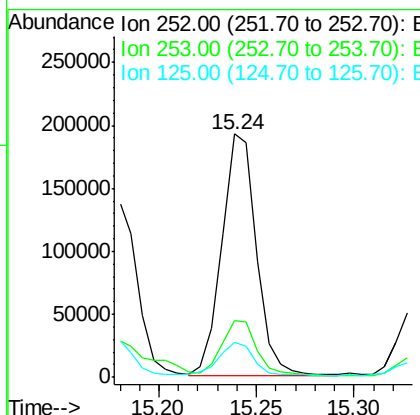
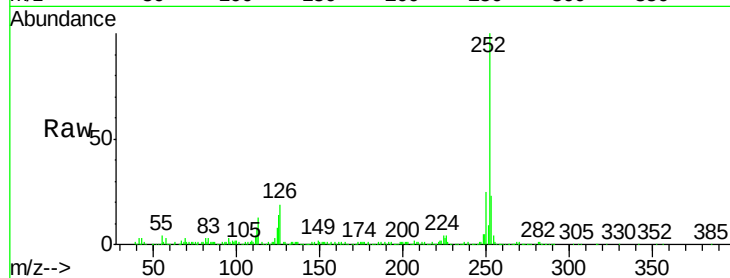
#89
Benzo(a)pyrene
Concen: 13.103 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF102564.D
Acq: 28 Jan 2018 18:21

Instrument :
BNA_F
ClientSampled :
SB-46-9.5-10.0

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	14.3	9.8	14.6

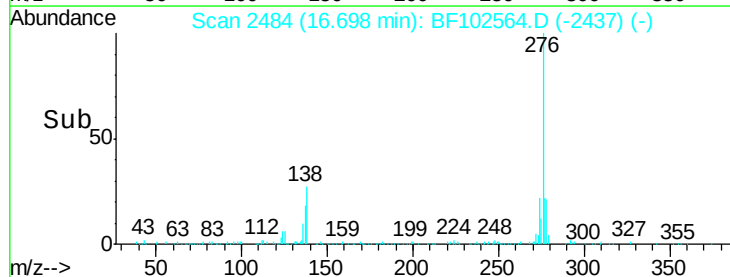
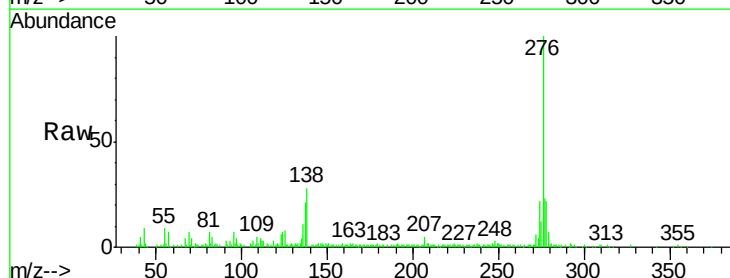
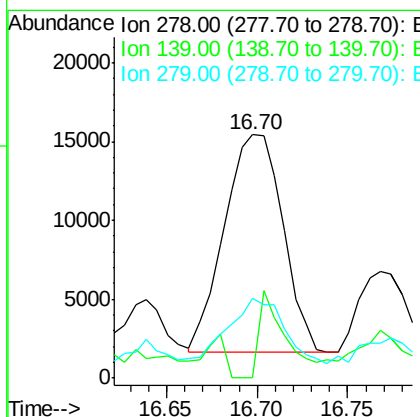
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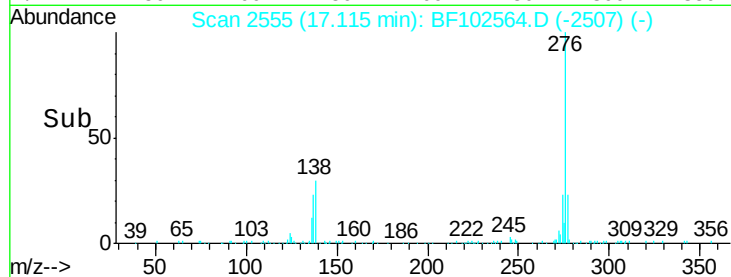
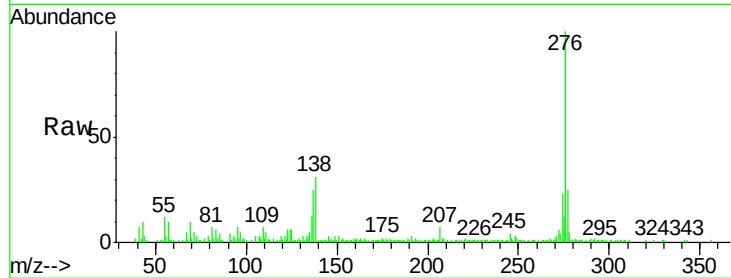
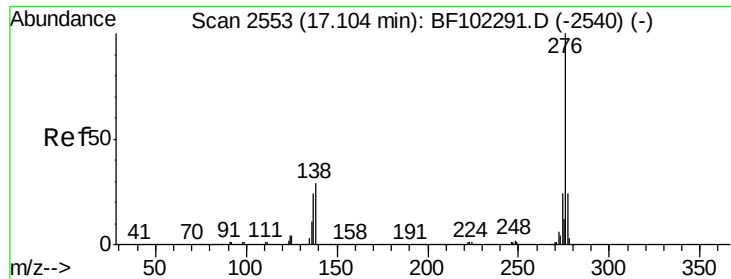
Sohil
1/29/2018 5:48:01 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.101 ng
RT: 16.70 min Scan# 2484
Delta R.T. -0.02 min
Lab File: BF102564.D
Acq: 28 Jan 2018 18:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	32.9	19.0	28.4#





#91

Benzo(a,h,i)perylene

Concen: 7.625 ng

RT: 17.12 min Scan# 2555

Delta R.T. -0.02 min

Lab File: BF102564.D

Acq: 28 Jan 2018 18:21

Instrument :

BNA_F

ClientSampleId :

SB-46-9.5-10.0

Tot Ion:	276	Resp:	110534
Ion Ratio	Lower	Upper	
276	100		
277	24.6	17.9	26.9
138	31.0	21.8	32.8

Manual Integrations
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