

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
 Data File : BF102566.D
 Acq On : 28 Jan 2018 19:16
 Operator : SJ/JU
 Sample : J1290-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-48-9.5-10.0

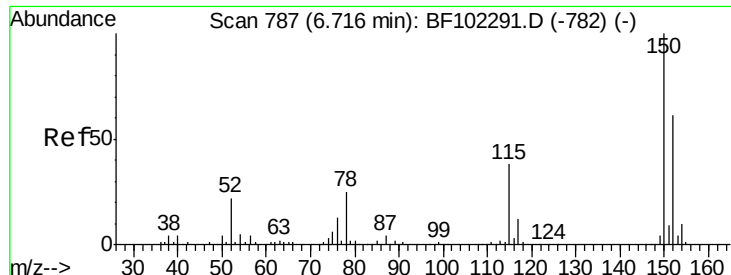
Manual Integrations
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Quant Time: Jan 29 04:27:46 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	158523	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	649023	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	275233	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	404327	20.00	ng	0.00
75) Chrysene-d12	13.88	240	261555	20.00	ng	0.00
86) Perylene-d12	15.32	264	253402	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1126347	107.73	ng	0.00
7) Phenol-d6	6.36	99	1345101	106.72	ng	0.00
23) Nitrobenzene-d5	7.28	82	850129	75.27	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	228402	83.75	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1103923	58.97	ng	0.00
78) Terphenyl-d14	12.82	244	711618	61.33	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.37	94	55519	4.035	ng	98
31) Naphthalene	8.02	128	121401	3.746	ng	99
49) Dimethylphthalate	9.46	163	145389	6.391	ng	100
51) Acenaphthene	9.78	154	230072	13.219	ng	98
54) Dibenzofuran	9.95	168	147044	6.242	ng	99
57) Fluorene	10.29	166	241702	12.949	ng	98
70) Phenanthrene	11.26	178	914760	38.825	ng	99
71) Anthracene	11.31	178	308824	12.842	ng	99
72) Carbazole	11.47	167	87349	3.723	ng	98
74) Fluoranthene	12.46	202	1189467	49.506	ng	98
77) Pyrene	12.68	202	1010996	49.994	ng	99
80) Benzo(a)anthracene	13.87	228	427334m	26.537	ng	
82) Chrysene	13.90	228	397046m	24.280	ng	
85) Indeno(1,2,3-cd)pyrene	16.72	276	141592	10.484	ng	96
87) Benzo(b)fluoranthene	14.90	252	442105m	26.918	ng	
88) Benzo(k)fluoranthene	14.93	252	129472m	8.344	ng	
89) Benzo(a)pyrene	15.26	252	305428	20.619	ng	# 95
90) Dibenzo(a,h)anthracene	16.72	278	36268	3.023	ng	# 74
91) Benzo(a,h,i)perylene	17.14	276	135251	11.416	ng	# 91

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



#1

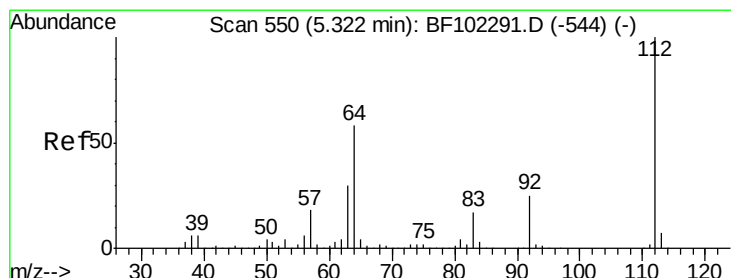
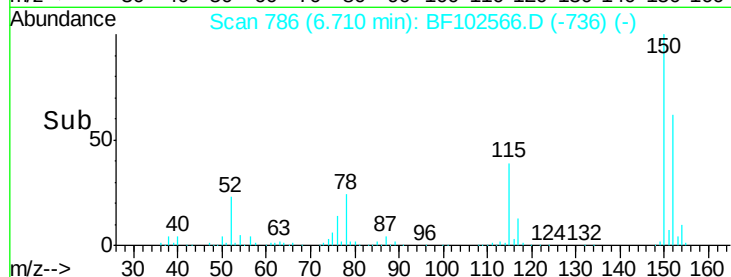
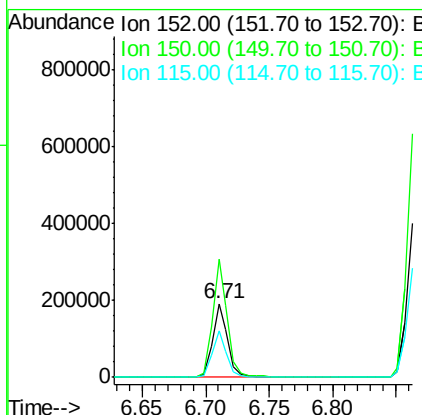
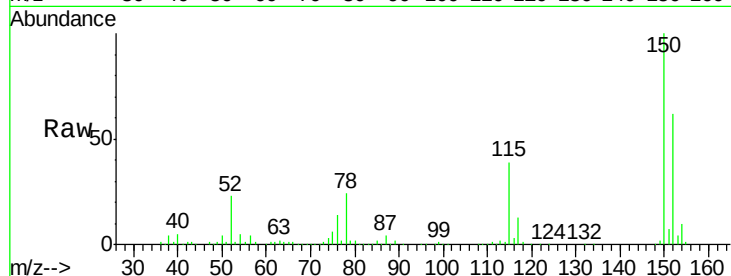
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102566.D
Acq: 28 Jan 2018 19:16

Instrument :
BNA_F
ClientSampleId :
SB-48-9.5-10.0

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.8	124.6	186.8
115	62.8	50.1	75.1

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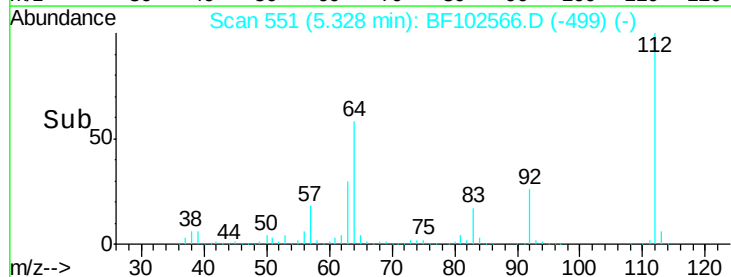
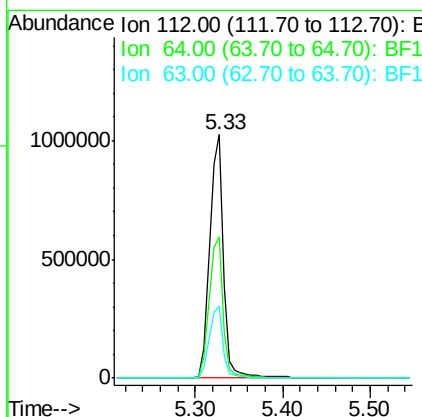
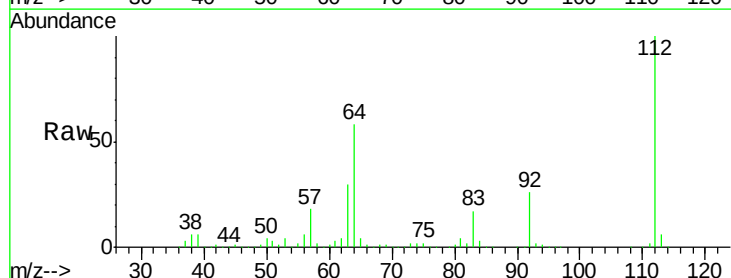
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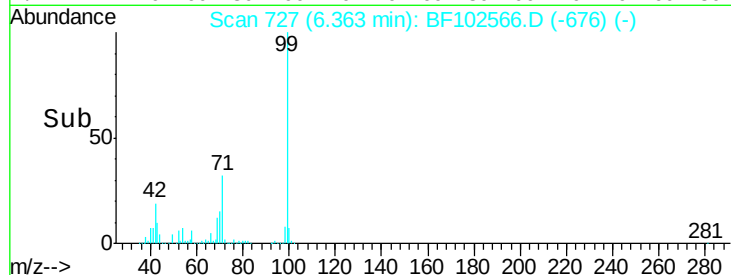
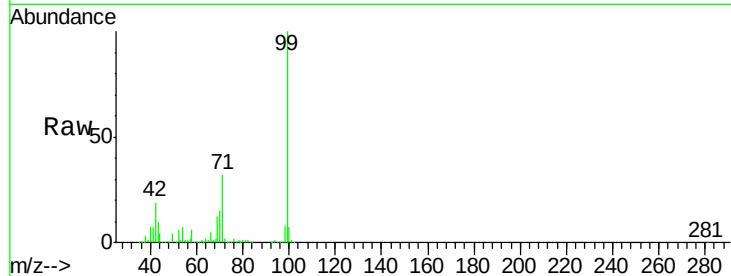
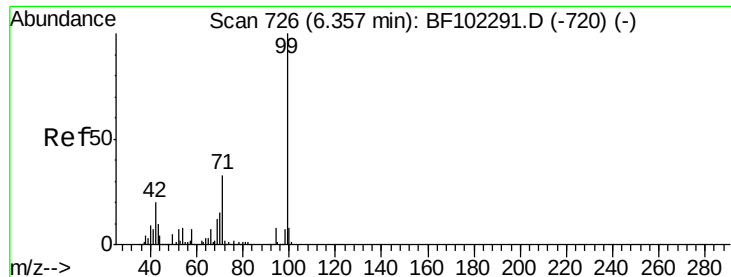


#5

2-Fluorophenol
Concen: 107.734 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102566.D
Acq: 28 Jan 2018 19:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	47.9	71.9
63	29.9	23.7	35.5





#7

Phenol-d6

Concen: 106.718 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102566.D

Acq: 28 Jan 2018 19:16

Tot Ion:	99	Resp:	1345101
Ion	Ratio	Lower	Upper
99	100		
42	18.8	14.5	21.7
71	32.5	25.4	38.0

Instrument :

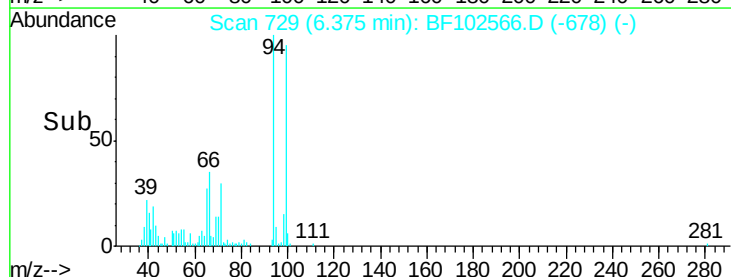
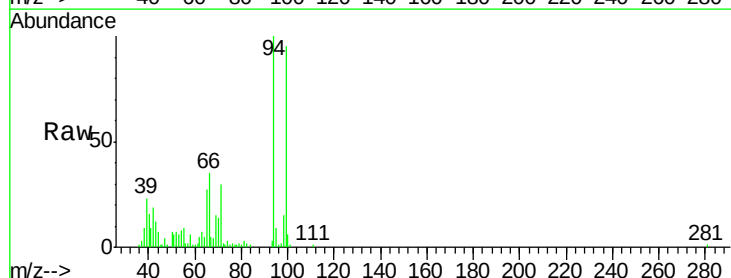
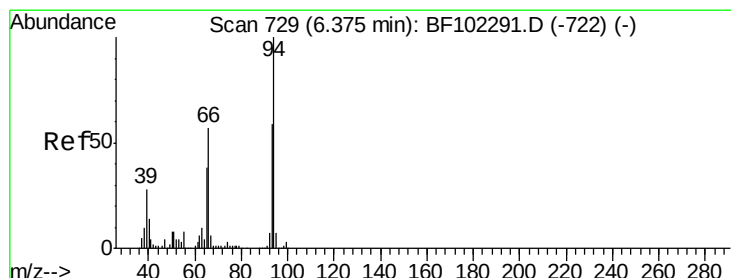
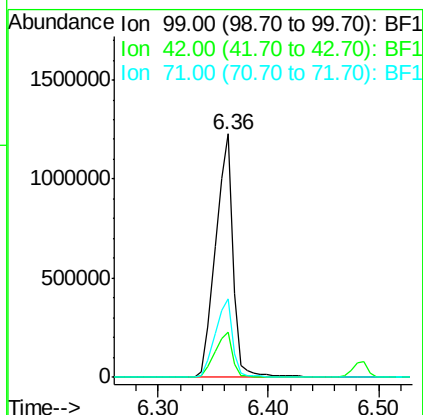
BNA_F

ClientSampleId :

SB-48-9.5-10.0

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#10

Phenol

Concen: 4.035 ng

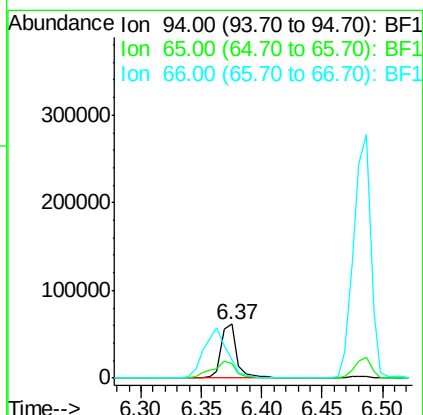
RT: 6.37 min Scan# 729

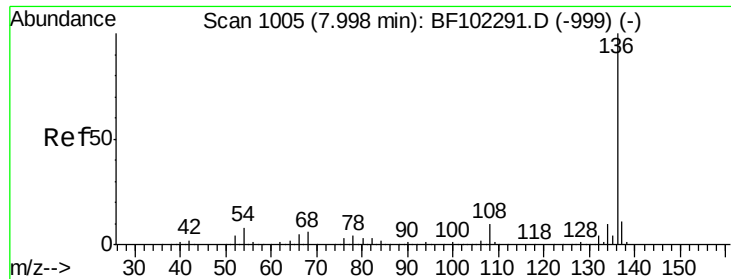
Delta R.T. 0.00 min

Lab File: BF102566.D

Acq: 28 Jan 2018 19:16

Tgt Ion:	94	Resp:	55519
Ion	Ratio	Lower	Upper
94	100		
65	26.8	7.9	47.9
66	34.6	16.2	56.2





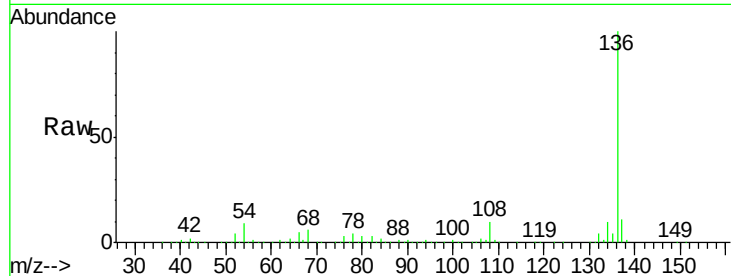
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF102566.D
Acq: 28 Jan 2018 19:16

Instrument :
BNA_F
ClientSampleId :
SB-48-9.5-10.0

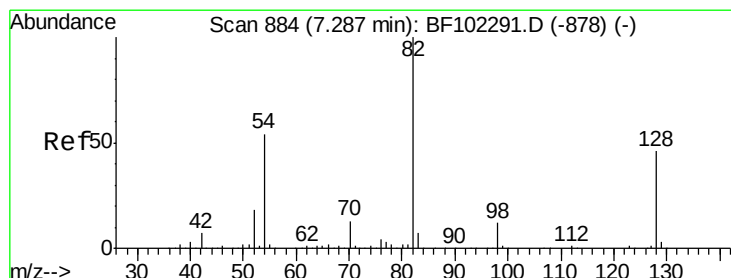
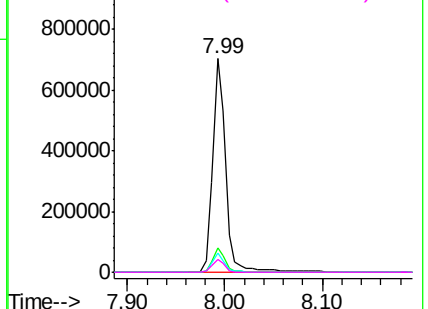
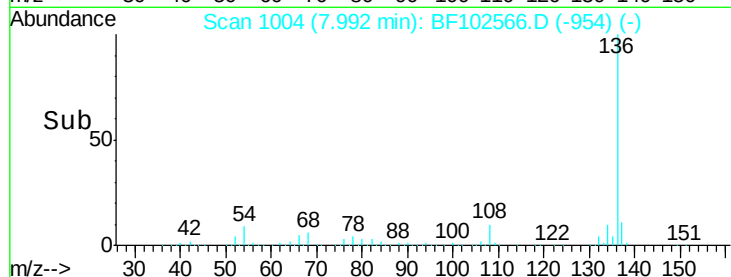
Tot Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.9	6.6	9.8
68	6.0	5.0	7.4

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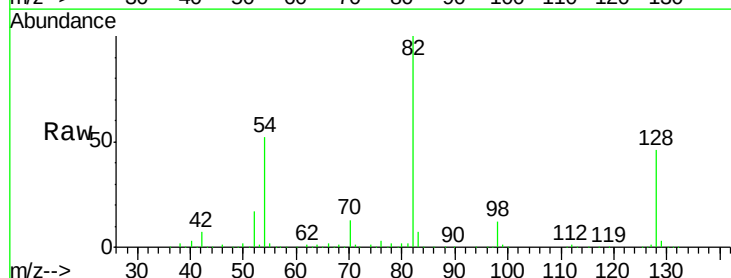


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

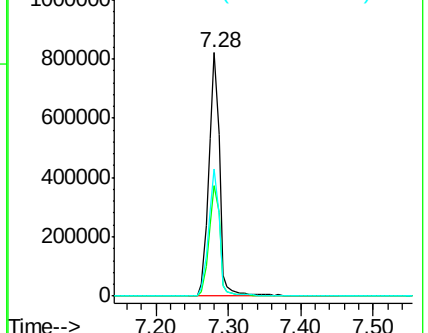
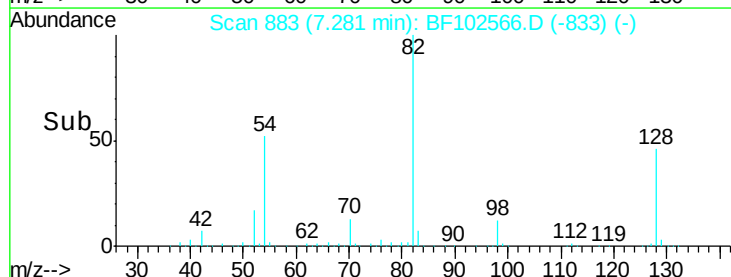


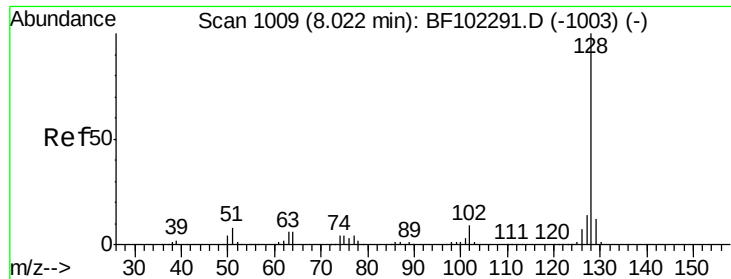
#23
Nitrobenzene-d5
Concen: 75.274 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102566.D
Acq: 28 Jan 2018 19:16

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.1	54.1
54	52.1	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





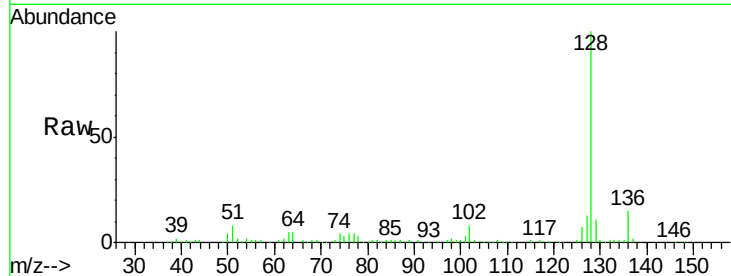
#31
Naphthalene
Concen: 3.746 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF102566.D
Acq: 28 Jan 2018 19:16

Instrument :
BNA_F
ClientSampleId :
SB-48-9.5-10.0

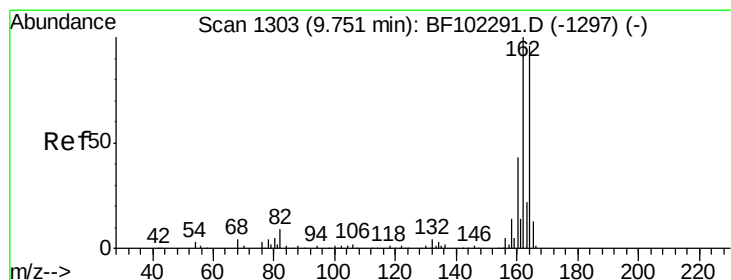
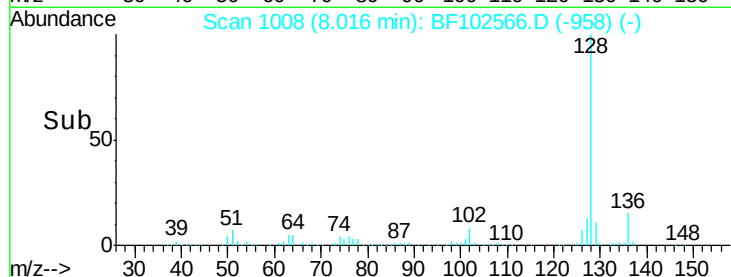
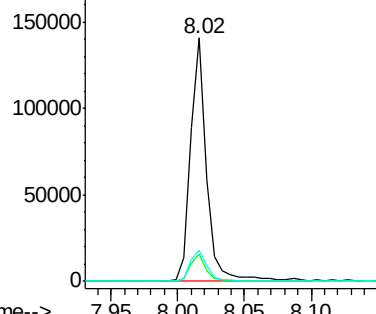
Tot Ion	Ratio	Resp Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.0	10.9	16.3

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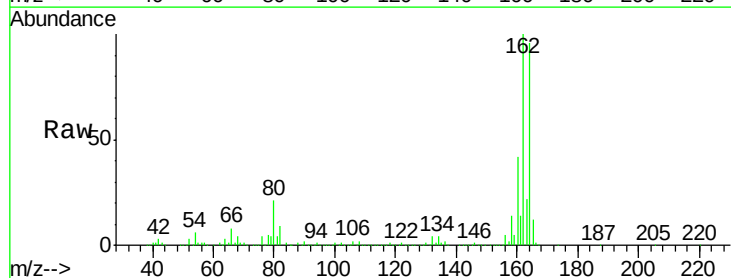


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

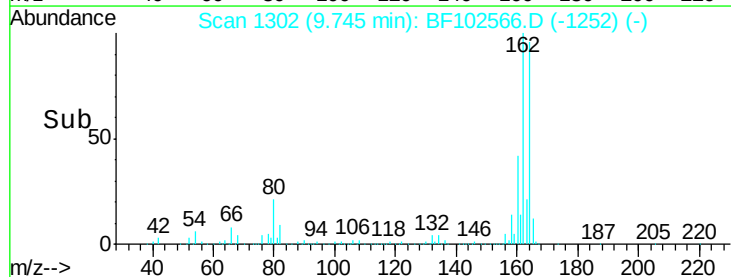
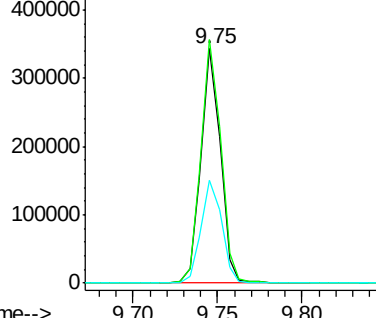


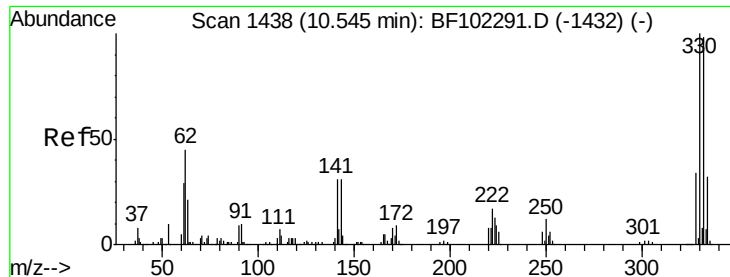
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF102566.D
Acq: 28 Jan 2018 19:16

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
162	104.0	86.1	129.1
160	44.0	38.3	57.5



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





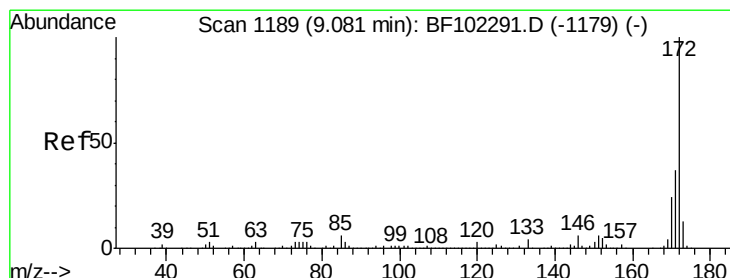
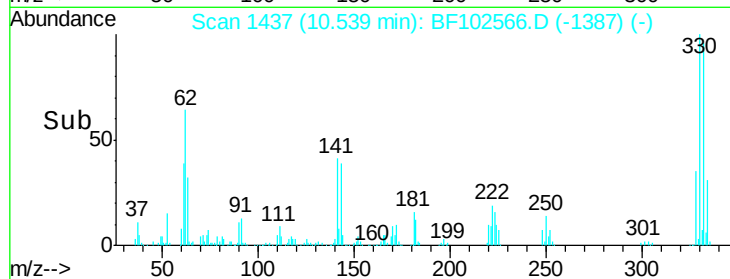
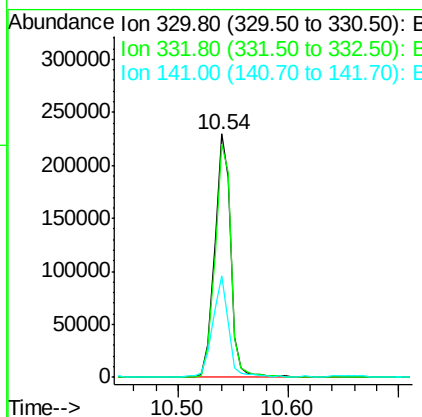
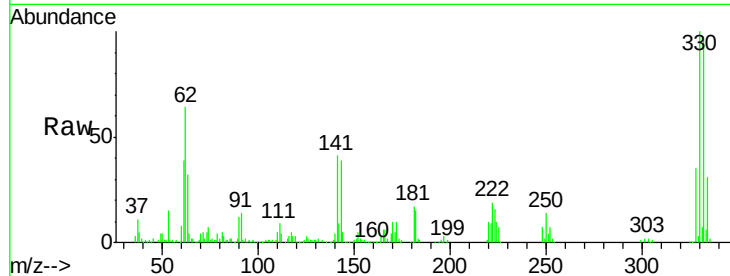
#41
 2,4,6-Tribromophenol
 Concen: 83.751 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102566.D
 Acq: 28 Jan 2018 19:16

Instrument :
 BNA_F
 ClientSampleId :
 SB-48-9.5-10.0

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	40.0	29.9	44.9

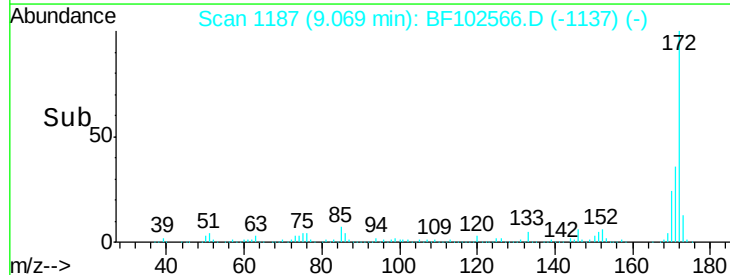
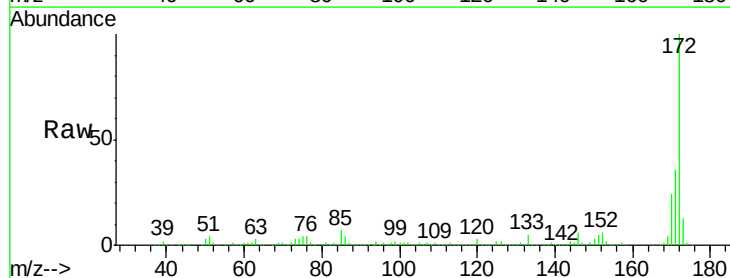
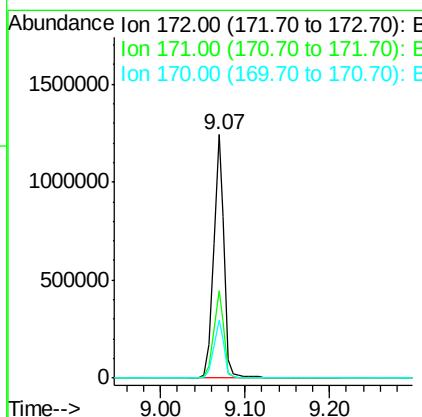
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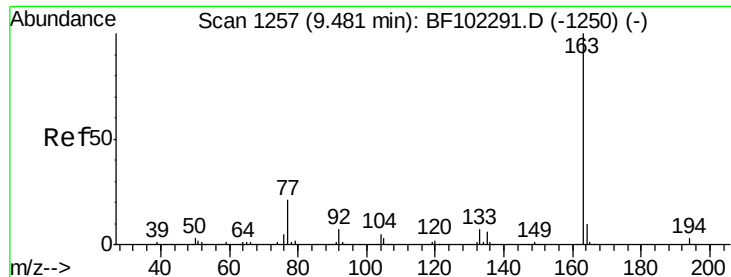
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#44
 2-Fluorobiphenyl
 Concen: 58.974 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102566.D
 Acq: 28 Jan 2018 19:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	23.9	19.6	29.4





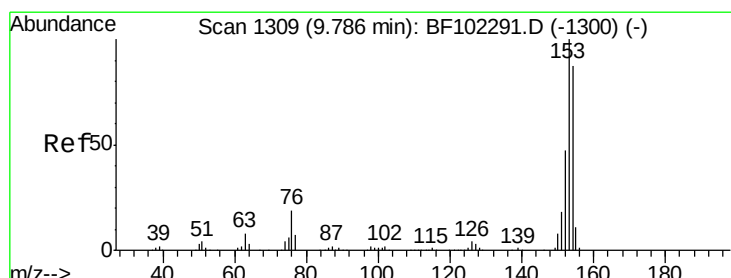
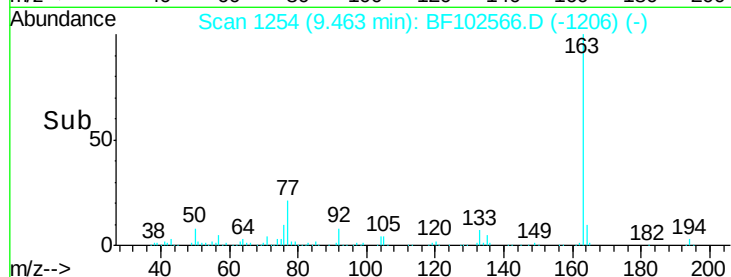
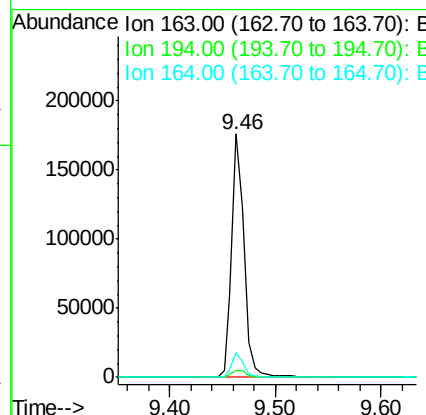
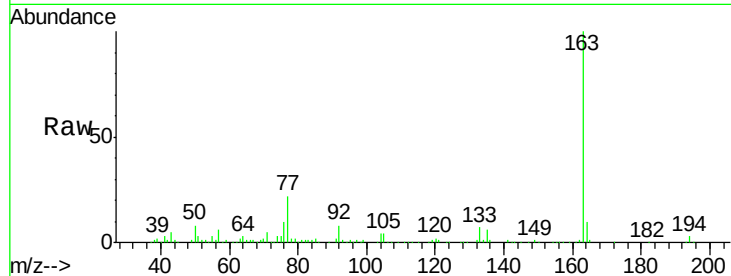
#49
Dimethylphthalate
Concen: 6.391 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF102566.D
Acq: 28 Jan 2018 19:16

Instrument :
BNA_F
ClientSampleId :
SB-48-9.5-10.0

Tot Ion:	163	Resp:	145389
Ion Ratio	Lower	Upper	
163	100		
194	3.0	2.7	4.1
164	10.2	8.2	12.2

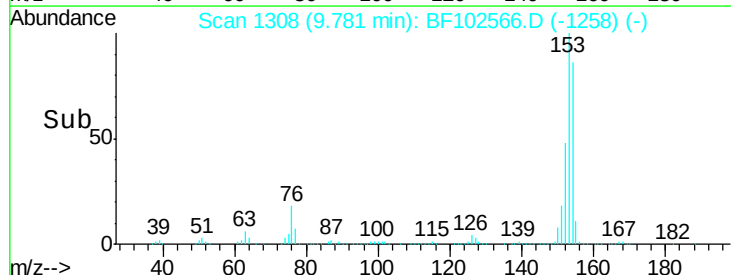
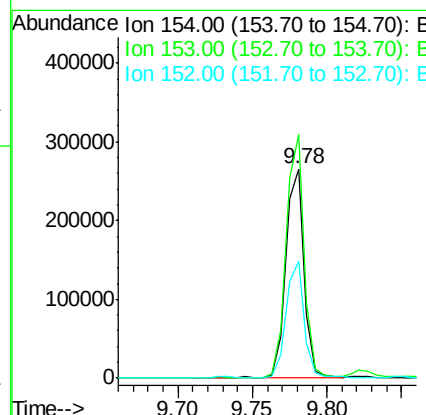
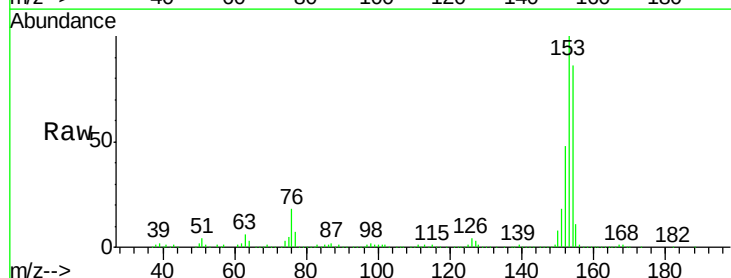
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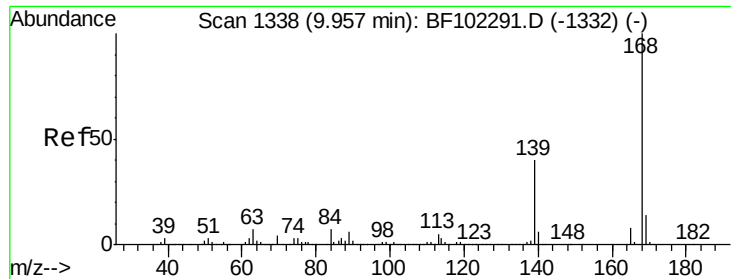
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#51
Acenaphthene
Concen: 13.219 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF102566.D
Acq: 28 Jan 2018 19:16

Tgt Ion:	154	Resp:	230072
Ion Ratio	Lower	Upper	
154	100		
153	116.3	91.2	136.8
152	55.8	43.8	65.8





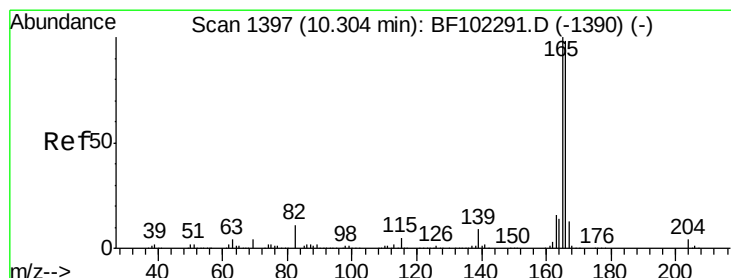
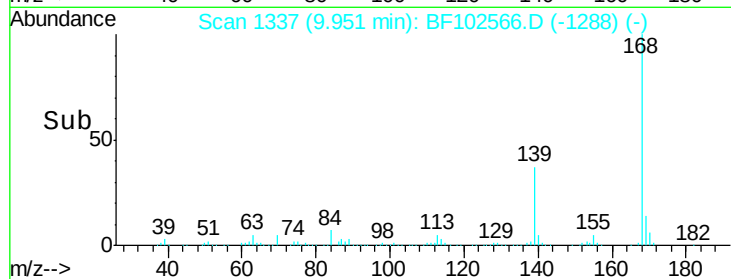
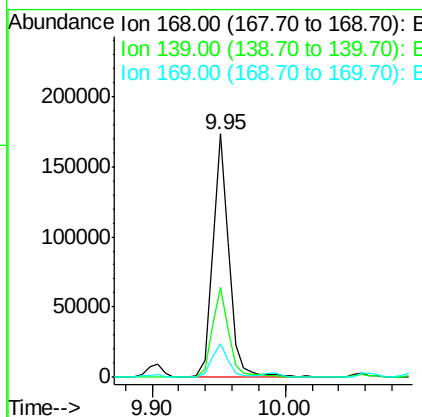
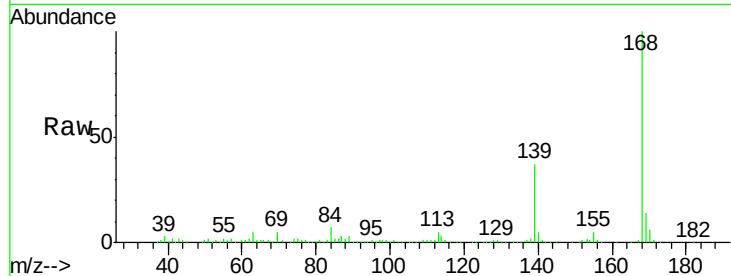
#54
Dibenzofuran
Concen: 6.242 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF102566.D
Acq: 28 Jan 2018 19:16

Instrument :
BNA_F
ClientSampleId :
SB-48-9.5-10.0

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.8	30.1	45.1
169	14.0	10.9	16.3

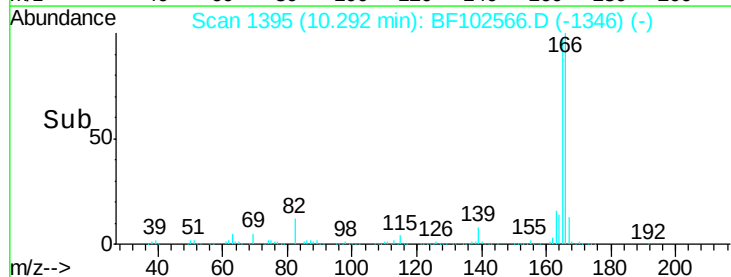
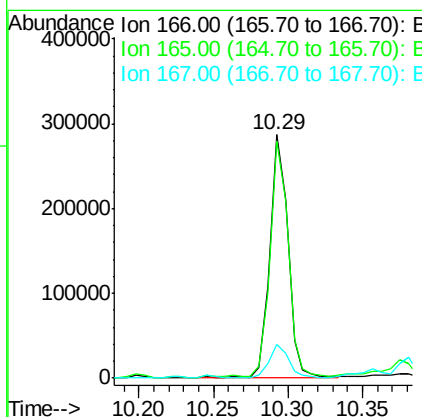
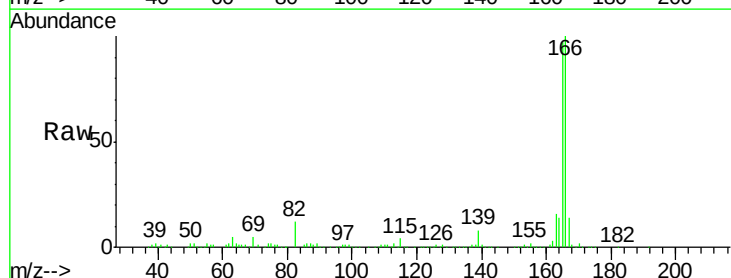
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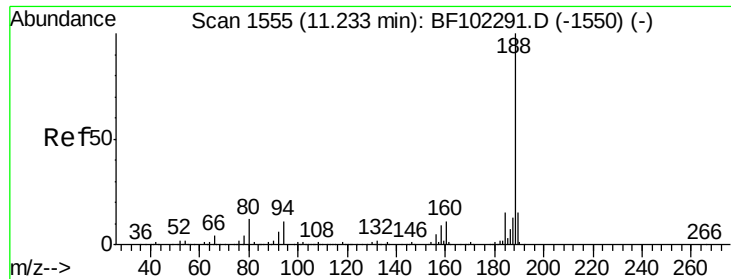
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#57
Fluorene
Concen: 12.949 ng
RT: 10.29 min Scan# 1395
Delta R.T. -0.01 min
Lab File: BF102566.D
Acq: 28 Jan 2018 19:16

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.4	79.8	119.8
167	14.0	10.6	16.0





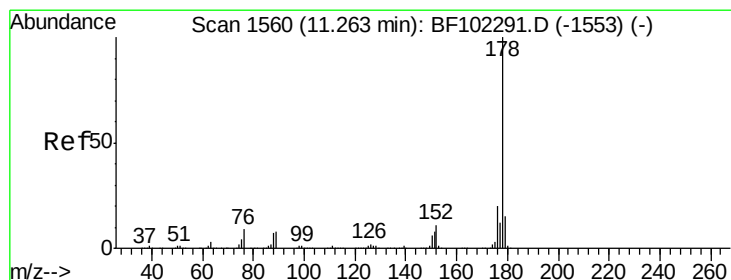
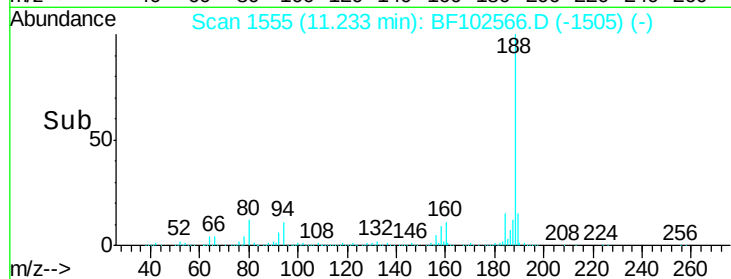
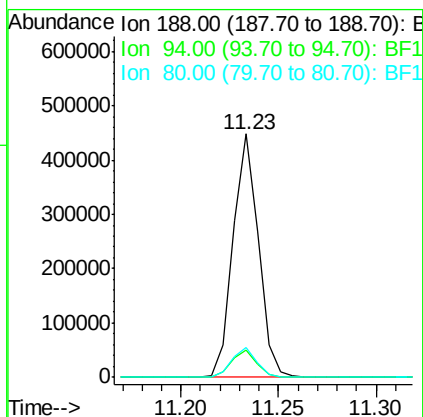
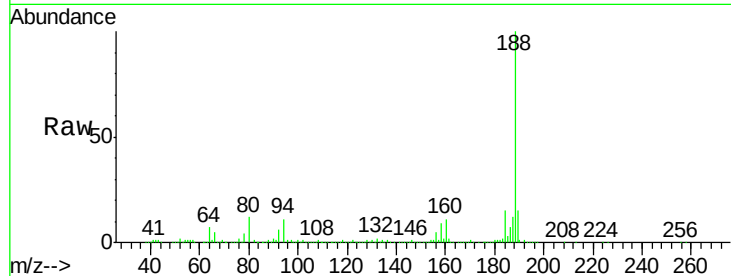
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102566.D
Acq: 28 Jan 2018 19:16

Instrument :
BNA_F
ClientSampleId :
SB-48-9.5-10.0

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.1	8.5	12.7
80	12.1	9.2	13.8

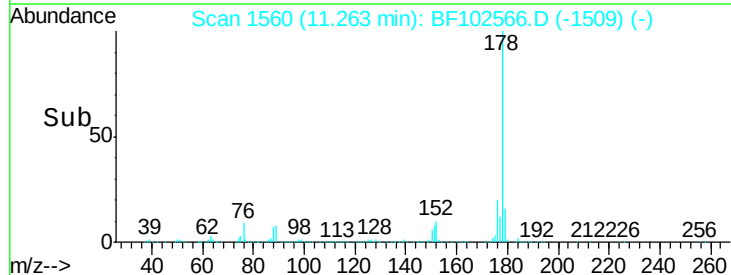
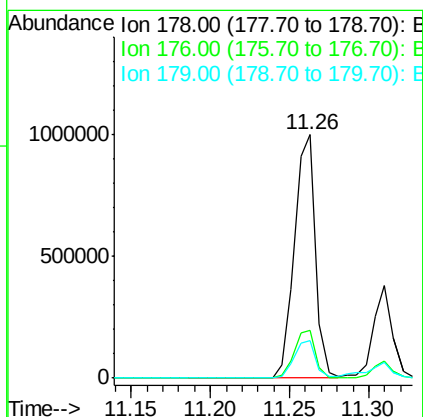
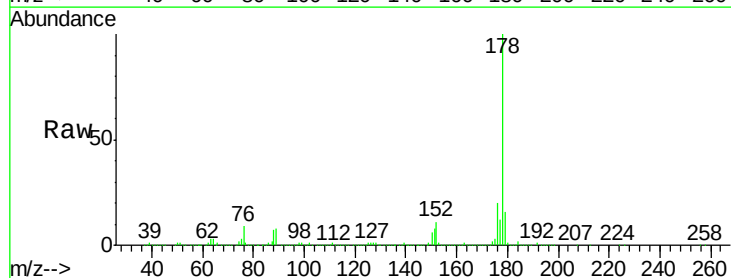
Manual Integrations
APPROVED

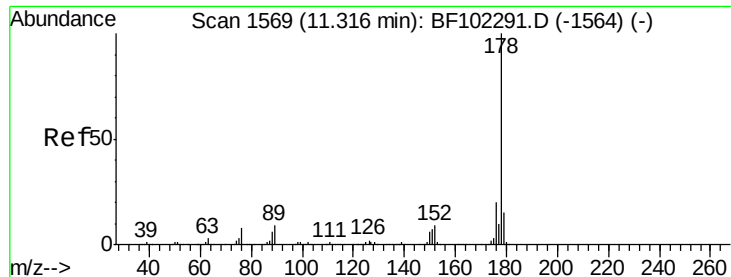
Sohil
1/29/2018 5:48:05 PM



#70
Phenanthrene
Concen: 38.825 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF102566.D
Acq: 28 Jan 2018 19:16

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.6	13.0	19.6





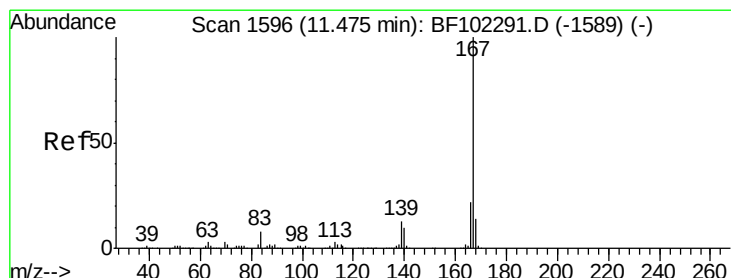
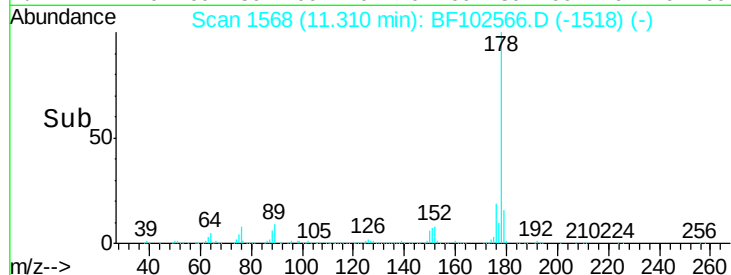
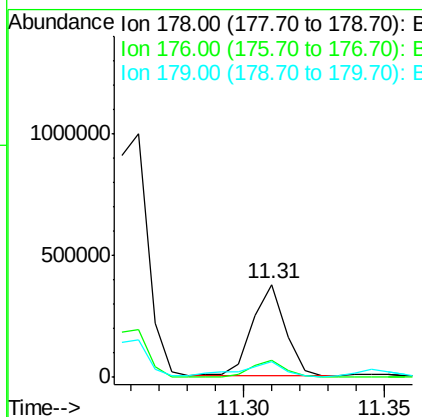
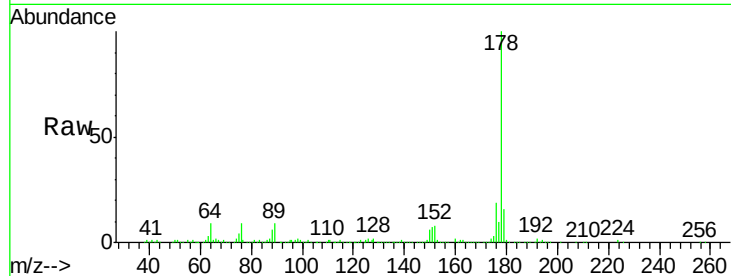
#71
 Anthracene
 Concen: 12.842 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102566.D
 Acq: 28 Jan 2018 19:16

Instrument :
 BNA_F
 ClientSampled :
 SB-48-9.5-10.0

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	16.4	12.6	19.0

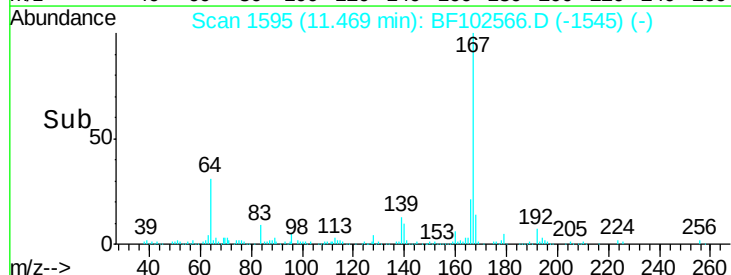
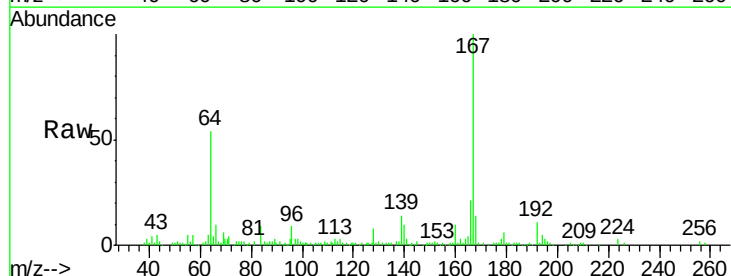
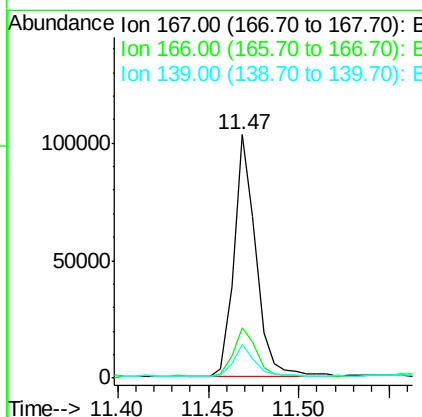
Manual Integrations
 APPROVED

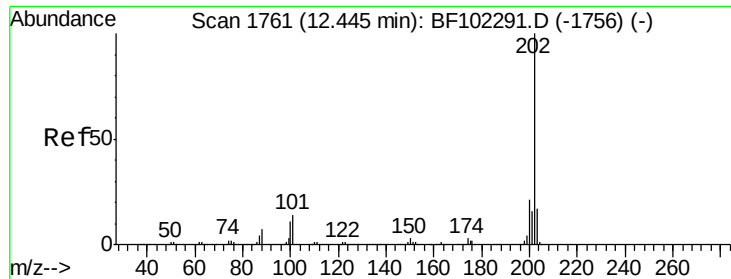
Sohil
 1/29/2018 5:48:05 PM



#72
 Carbazole
 Concen: 3.723 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF102566.D
 Acq: 28 Jan 2018 19:16

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.6	26.4
139	14.0	10.9	16.3





#74

Fluoranthene

Concen: 49.506 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF102566.D

Acq: 28 Jan 2018 19:16

Instrument :

BNA_F

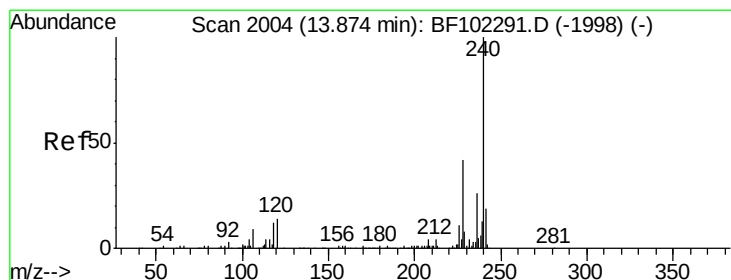
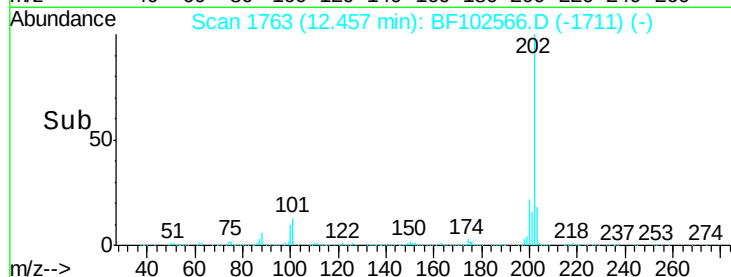
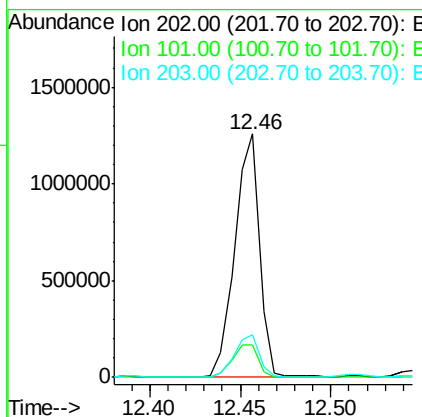
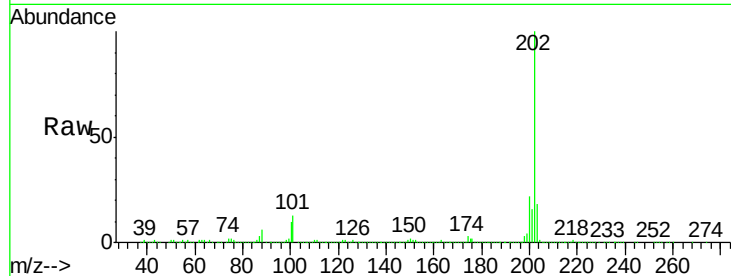
ClientSampleId :

SB-48-9.5-10.0

Tot Ion:	202	Resp:	1189467
Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	34.1
203	17.7	0.0	38.1

Manual Integrations
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1/29/2018 5:48:05 PM



#75

Chrysene-d12

Concen: 20.000 ng

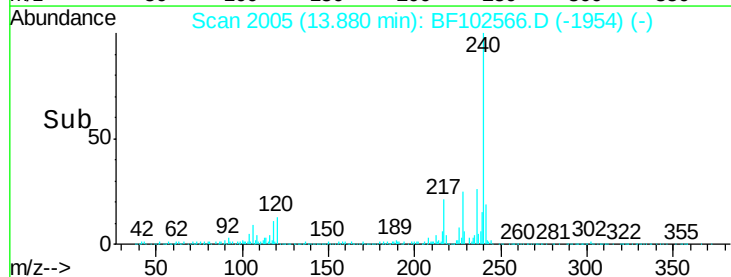
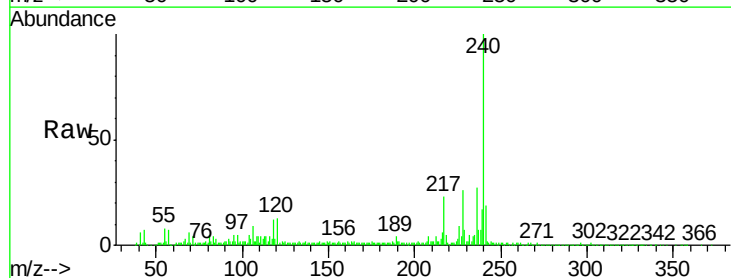
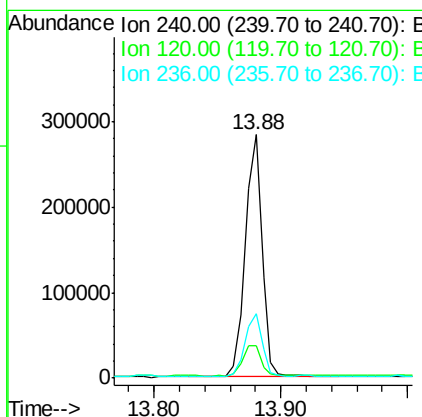
RT: 13.88 min Scan# 2005

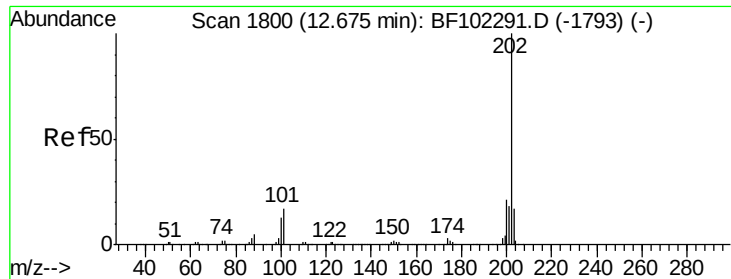
Delta R.T. 0.00 min

Lab File: BF102566.D

Acq: 28 Jan 2018 19:16

Tgt Ion:	240	Resp:	261555
Ion	Ratio	Lower	Upper
240	100		
120	13.5	9.5	14.3
236	26.6	20.7	31.1





#77

Pvrene

Concen: 49.994 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF102566.D

Acq: 28 Jan 2018 19:16

Instrument :

BNA_F

ClientSampleId :

SB-48-9.5-10.0

Tot Ion:202 Resp: 1010996

Ion Ratio Lower Upper

202 100

200 22.1 17.4 26.2

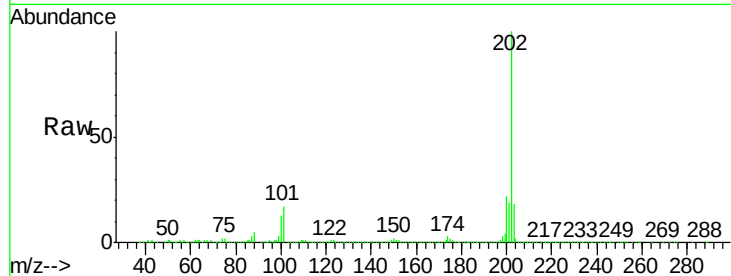
203 17.5 14.3 21.5

Manual Integrations

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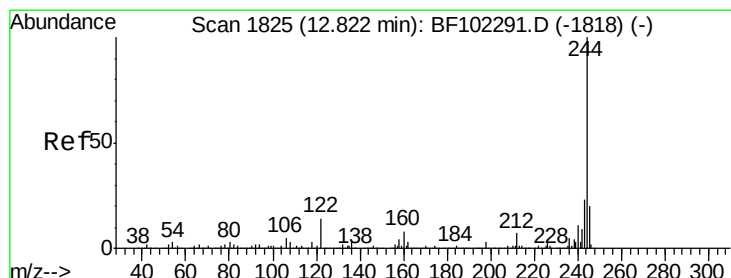
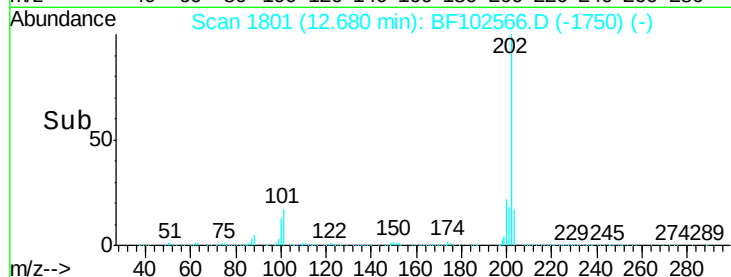
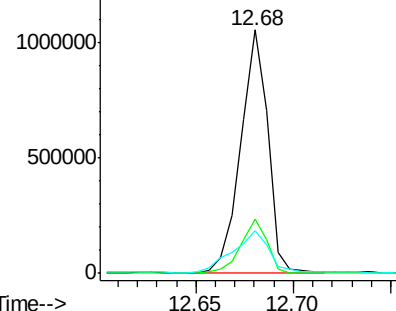
1/29/2018 5:48:05 PM



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: 61.335 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF102566.D

Acq: 28 Jan 2018 19:16

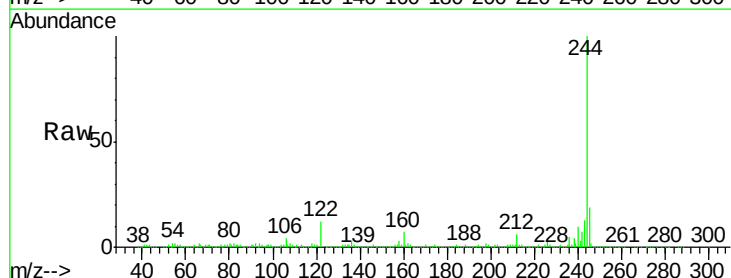
Tgt Ion:244 Resp: 711618

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

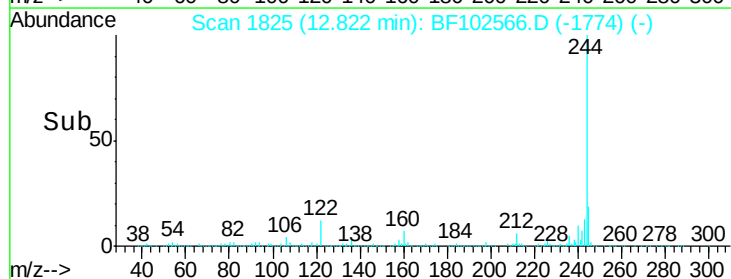
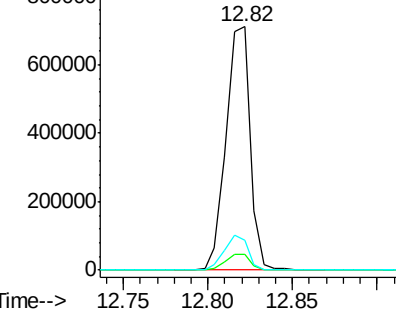
122 12.0 11.0 16.4

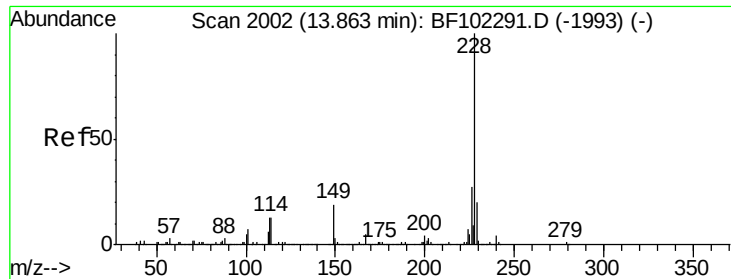


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





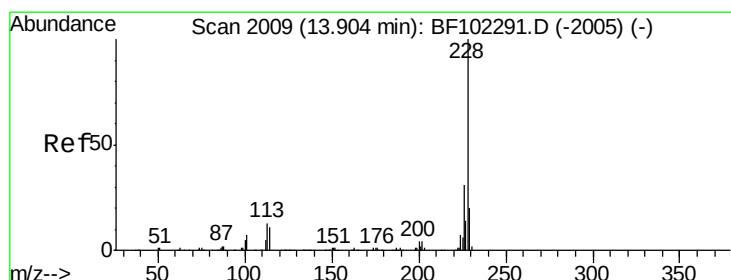
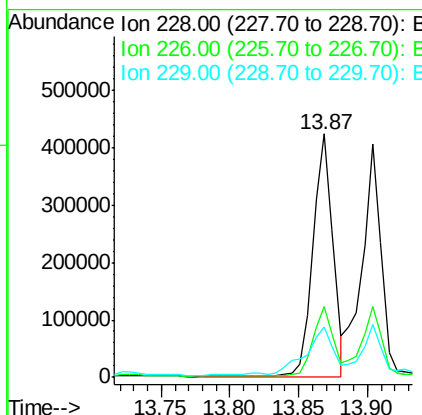
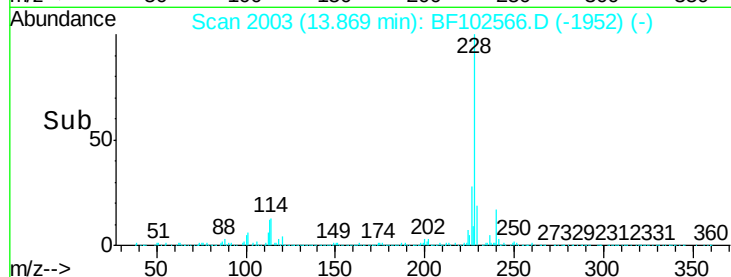
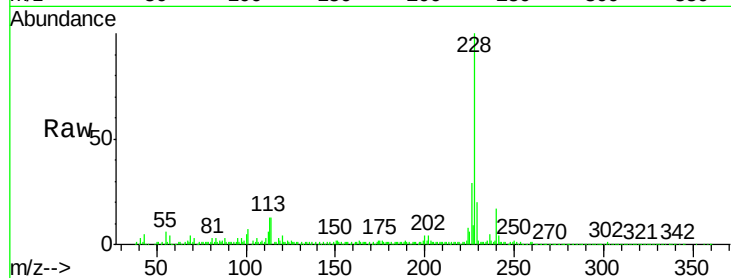
#80
Benzo(a)anthracene
Concen: 26.537 ng m
RT: 13.87 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BF102566.D
Acq: 28 Jan 2018 19:16

Instrument :
BNA_F
ClientSampleId :
SB-48-9.5-10.0

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	20.4	15.8	23.6

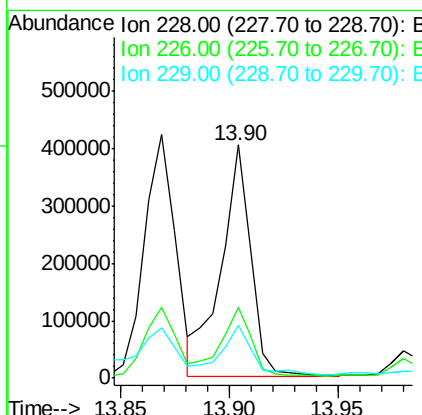
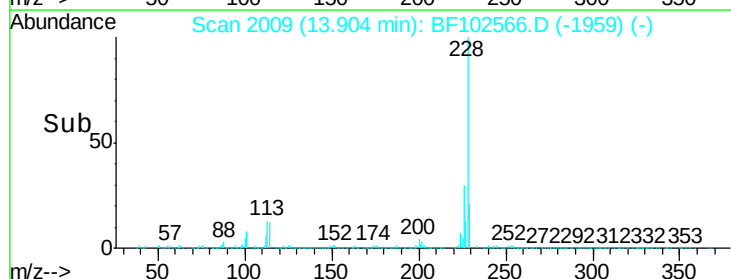
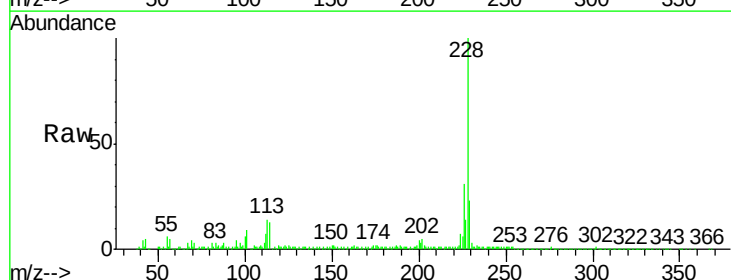
Manual Integrations
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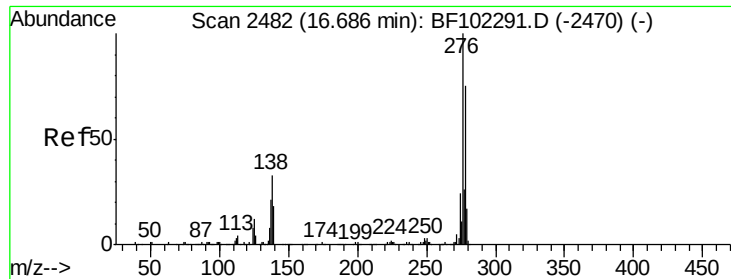
Sohil
1/29/2018 5:48:05 PM



#82
Chrysene
Concen: 24.280 ng m
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF102566.D
Acq: 28 Jan 2018 19:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	22.5	16.2	24.4





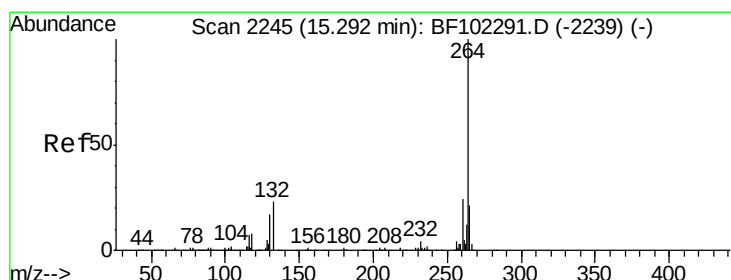
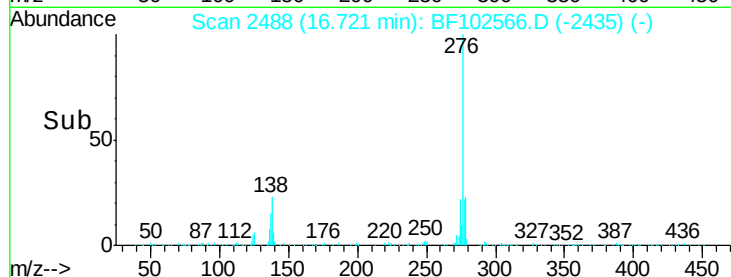
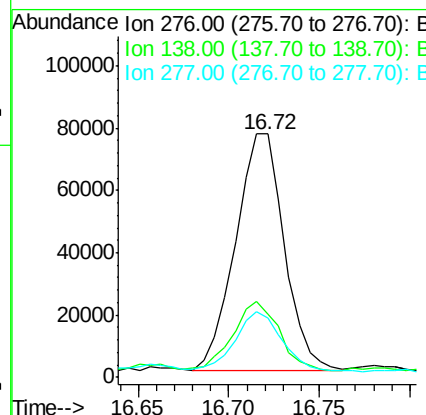
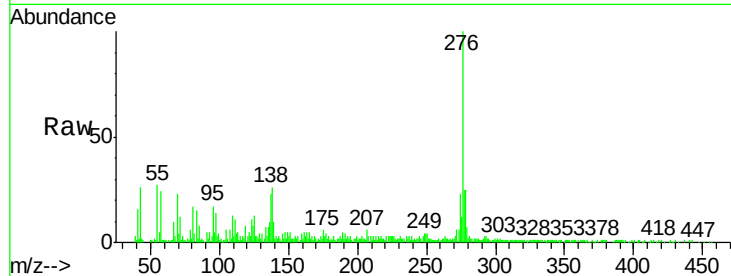
#85
Indeno(1,2,3-cd)pyrene
Concen: 10.484 ng
RT: 16.72 min Scan# 2488
Delta R.T. 0.01 min
Lab File: BF102566.D
Acq: 28 Jan 2018 19:16

Instrument :
BNA_F
ClientSampled :
SB-48-9.5-10.0

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.3	25.0	37.6
277	24.2	20.1	30.1

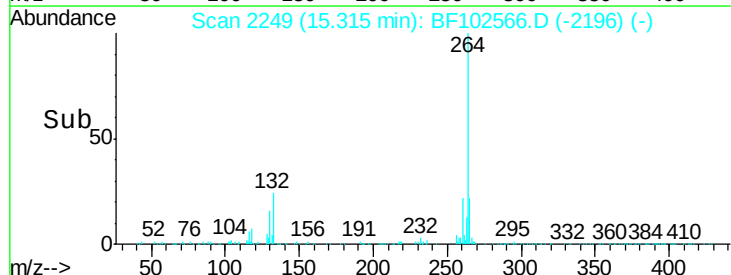
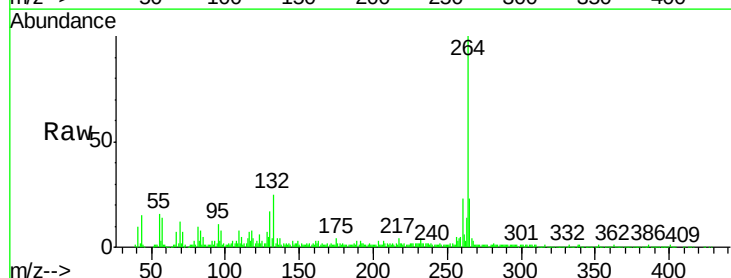
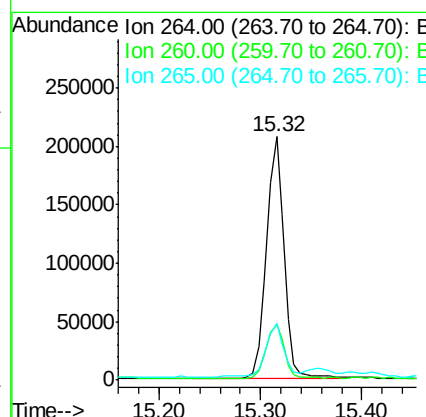
Manual Integrations
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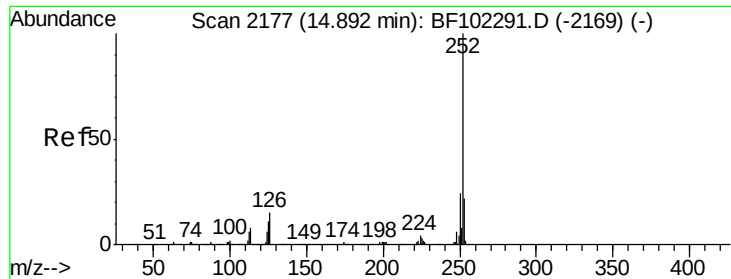
Sohil
1/29/2018 5:48:05 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF102566.D
Acq: 28 Jan 2018 19:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	23.1	17.5	26.3





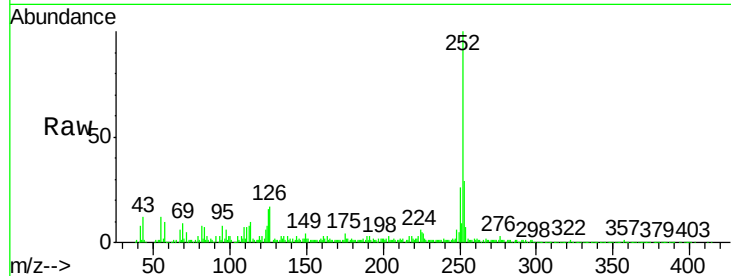
#87
Benzo(b)fluoranthene
Concen: 26.918 ng m
RT: 14.90 min Scan# 2179
Delta R.T. 0.01 min
Lab File: BF102566.D
Acq: 28 Jan 2018 19:16

Instrument :
BNA_F
ClientSampleId :
SB-48-9.5-10.0

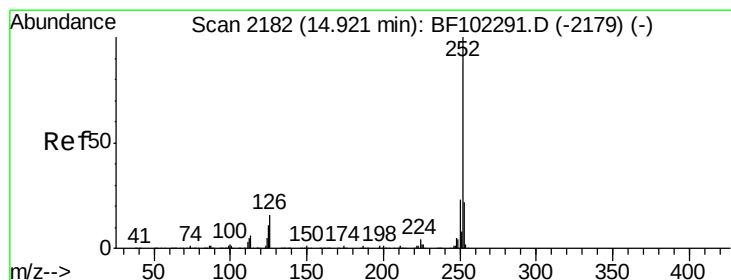
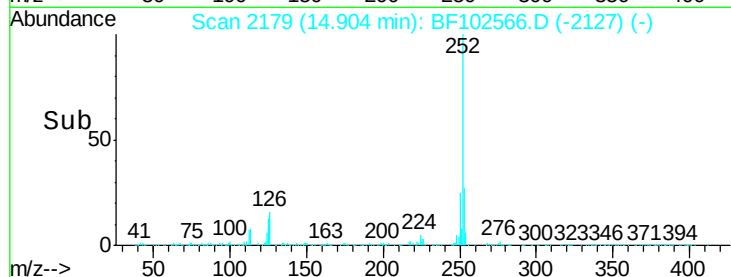
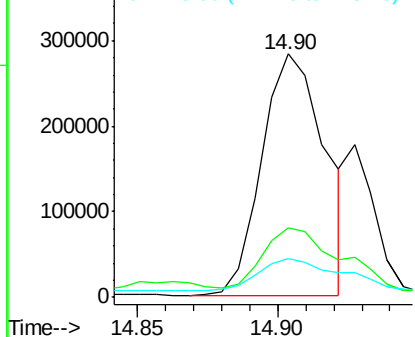
Tot Ion	Ratio	Lower	Upper
252	100		
253	28.6	17.0	25.6#
125	15.9	9.0	13.6#

Manual Integrations
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1/29/2018 5:48:05 PM



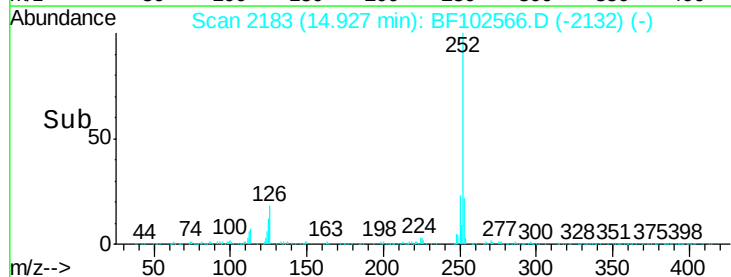
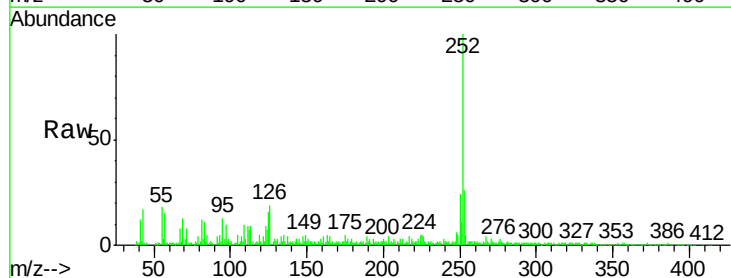
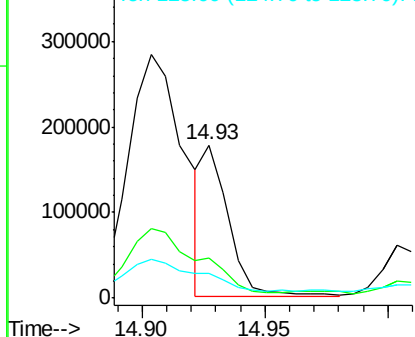
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

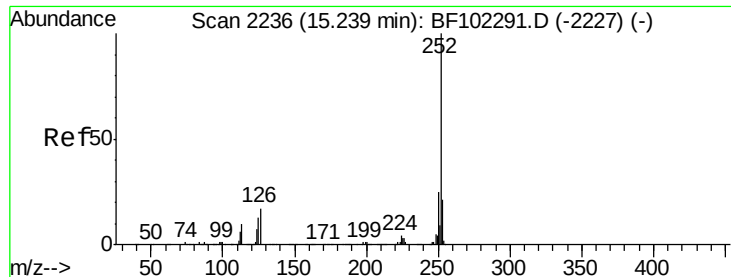


#88
Benzo(k)fluoranthene
Concen: 8.344 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.00 min
Lab File: BF102566.D
Acq: 28 Jan 2018 19:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.9	26.9
125	16.3	10.2	15.2#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 20.619 ng

RT: 15.26 min Scan# 2239

Delta R.T. 0.01 min

Lab File: BF102566.D

Acq: 28 Jan 2018 19:16

Instrument :

BNA_F

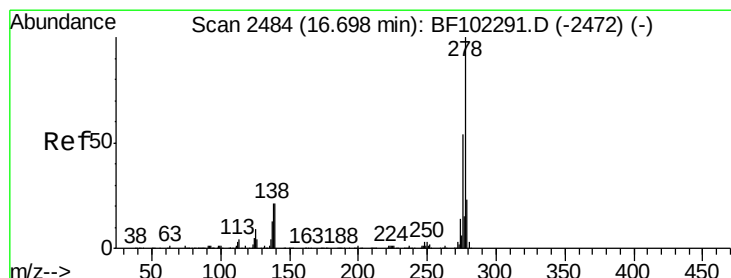
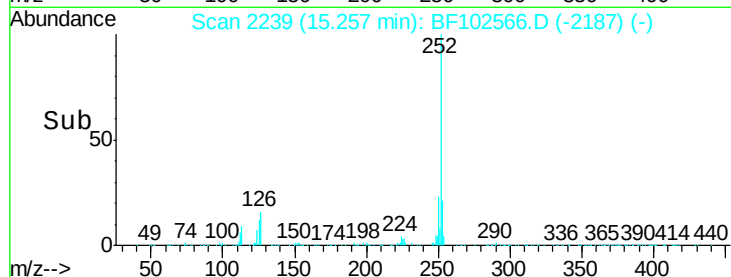
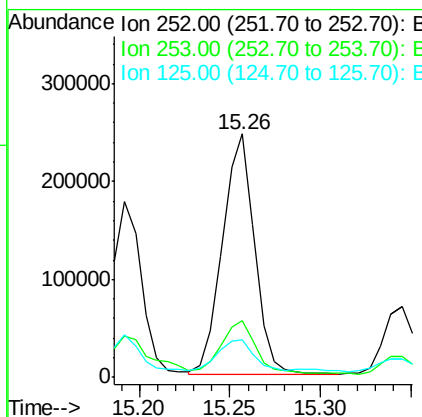
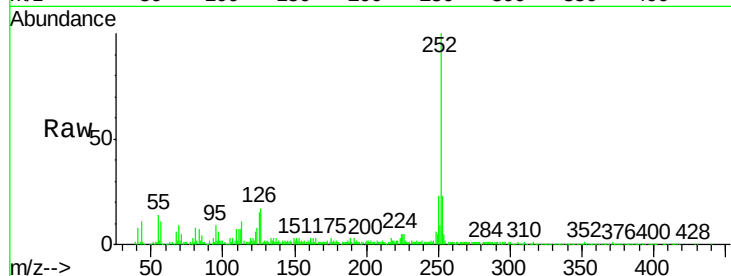
ClientSampleId :

SB-48-9.5-10.0

Tot Ion:	252	Resp:	305428
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.1	25.7
125	15.2	9.8	14.6#

Manual Integrations
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1/29/2018 5:48:05 PM



#90

Dibenzo(a,h)anthracene

Concen: 3.023 ng

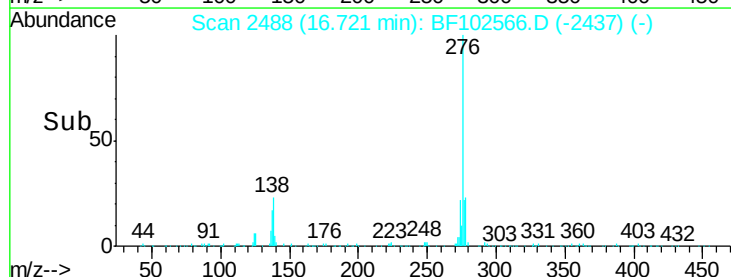
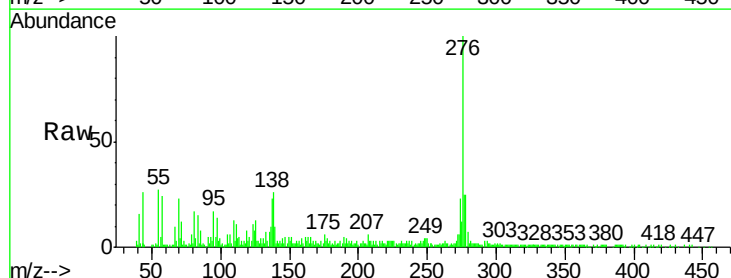
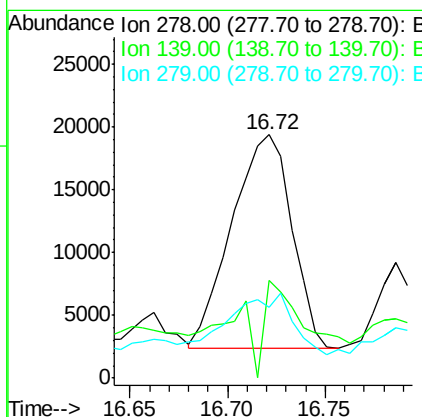
RT: 16.72 min Scan# 2488

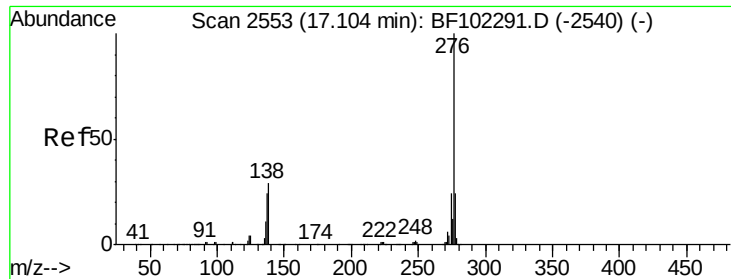
Delta R.T. 0.00 min

Lab File: BF102566.D

Acq: 28 Jan 2018 19:16

Tgt Ion:	278	Resp:	36268
Ion Ratio	Lower	Upper	
278	100		
139	40.0	15.9	23.9#
279	28.8	19.0	28.4#





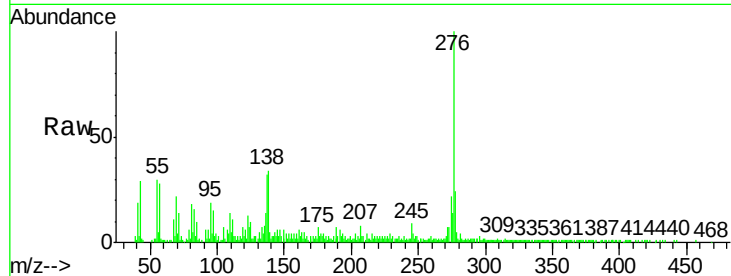
#91
 Benzo(a,h,i)perylene
 Concen: 11.416 ng
 RT: 17.14 min Scan# 2560
 Delta R.T. 0.01 min
 Lab File: BF102566.D
 Acq: 28 Jan 2018 19:16

Instrument :
 BNA_F
 ClientSampleId :
 SB-48-9.5-10.0

Tot Ion:	276	Resp:	135251
Ion Ratio	Lower	Upper	
276	100		
277	24.4	17.9	26.9
138	34.1	21.8	32.8#

Manual Integrations
 APPROVED

Sohil
 1/29/2018 5:48:05 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

