

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
 Data File : BF102315.D
 Acq On : 22 Jan 2018 22:31
 Operator : SJ/JU
 Sample : J1238-05 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-09-0-2.0

Manual Integrations
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Sohil
 1/23/2018 12:46:55 PM

Quant Time: Jan 23 03:09:59 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 22 13:38:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	132957	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	512412	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	197686	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	294870	20.00	ng	0.00
75) Chrysene-d12	13.88	240	254582	20.00	ng	0.00
86) Perylene-d12	15.31	264	205926	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	419670	47.86	ng	0.00
7) Phenol-d6	6.36	99	488445	46.20	ng	0.00
23) Nitrobenzene-d5	7.28	82	287181	32.21	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	78731	40.19	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	475995	35.40	ng	0.00
78) Terphenyl-d14	12.82	244	332865	29.48	ng	0.00
Target Compounds						
9) Benzaldehyde	6.27	77	19157	2.621	ng	Qvalue # 82
48) Acenaphthylene	9.61	152	85682	4.003	ng	97
49) Dimethylphthalate	9.47	163	50401	3.085	ng	99
51) Acenaphthene	9.78	154	54560	4.364	ng	98
54) Dibenzofuran	9.96	168	72053	4.259	ng	99
57) Fluorene	10.30	166	76088	5.675	ng	97
70) Phenanthrene	11.26	178	931925	54.236	ng	99
71) Anthracene	11.31	178	269412	15.361	ng	99
72) Carbazole	11.47	167	160002	9.351	ng	98
74) Fluoranthene	12.46	202	1115070	63.638	ng	99
77) Pyrene	12.69	202	1029194	52.287	ng	100
80) Benzo(a)anthracene	13.87	228	578583	36.914	ng	97
82) Chrysene	13.91	228	517607	32.520	ng	98
83) Bis(2-ethylhexyl)phthalate	13.86	149	41060	3.119	ng	99
85) Indeno(1,2,3-cd)pyrene	16.70	276	213286	16.226	ng	95
87) Benzo(b)fluoranthene	14.90	252	625786m	46.886	ng	
88) Benzo(k)fluoranthene	14.93	252	136408m	10.817	ng	
89) Benzo(a)pyrene	15.25	252	385796	32.049	ng	96
90) Dibenzo(a,h)anthracene	16.70	278	54623	5.602	ng	# 83
91) Benzo(a,h,i)perylene	17.12	276	202839	21.067	ng	96

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

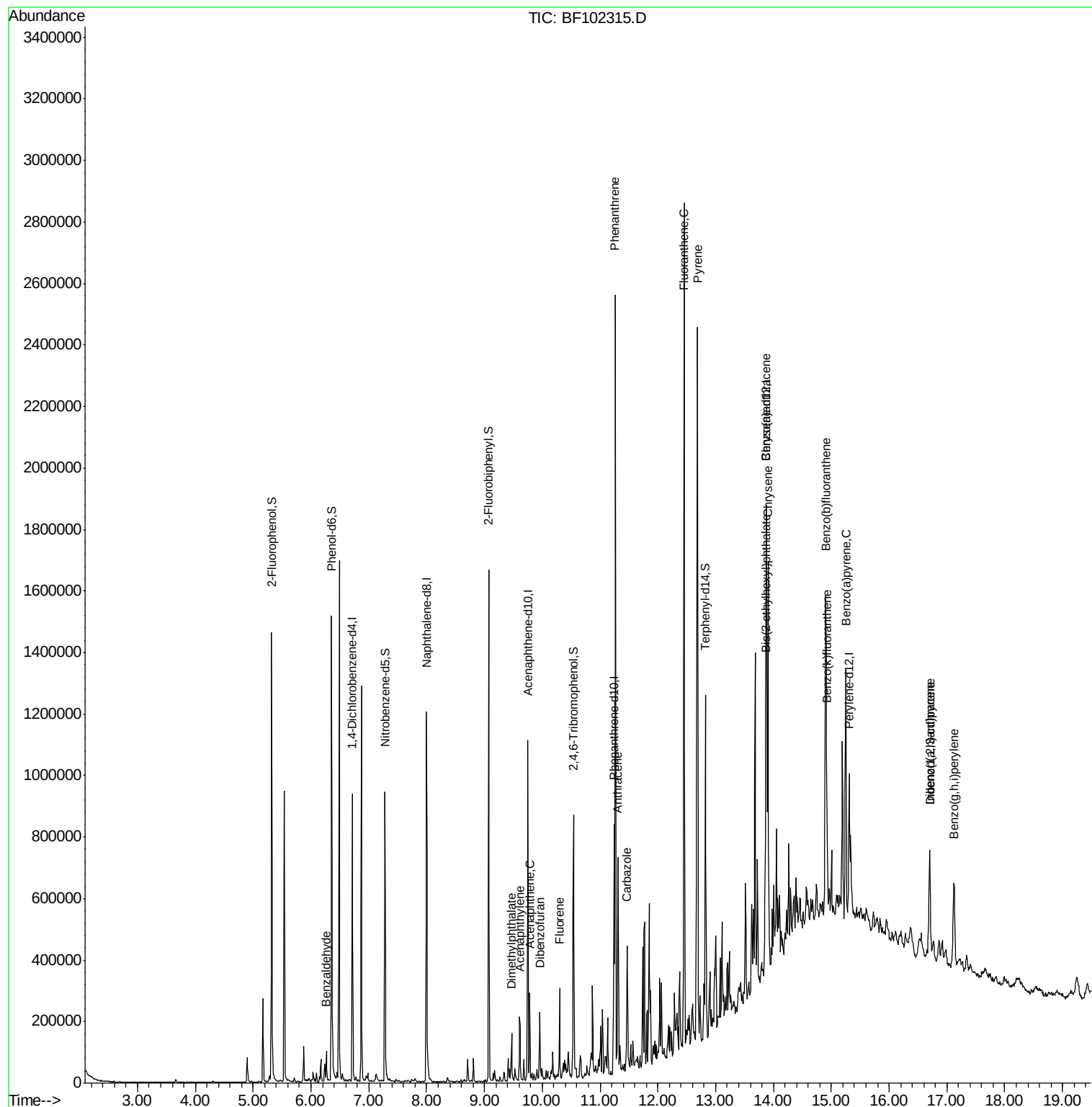
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
Data File : BF102315.D
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ALS Vial : 20 Sample Multiplier: 1

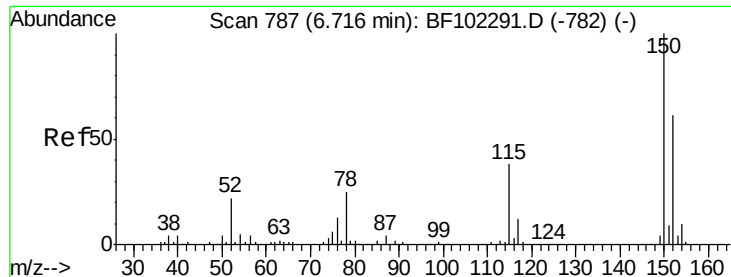
Instrument :
BNA_F
ClientSampleId :
SB-09-0-2.0

Manual Integrations
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#1

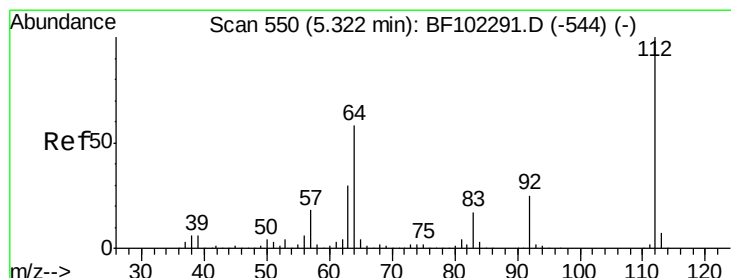
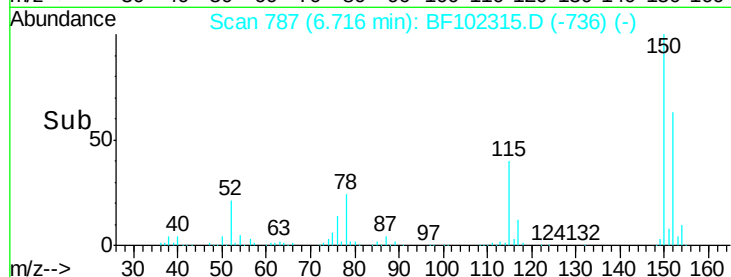
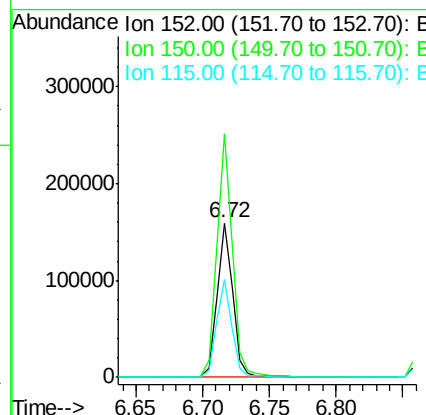
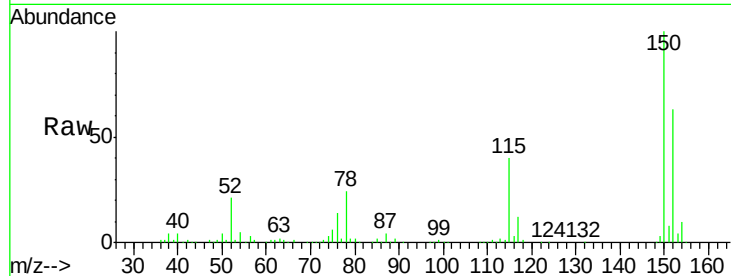
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102315.D
Acq: 22 Jan 2018 22:31

Instrument :
BNA_F
ClientSampleId :
SB-09-0-2.0

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	63.6	50.1	75.1

Manual Integrations
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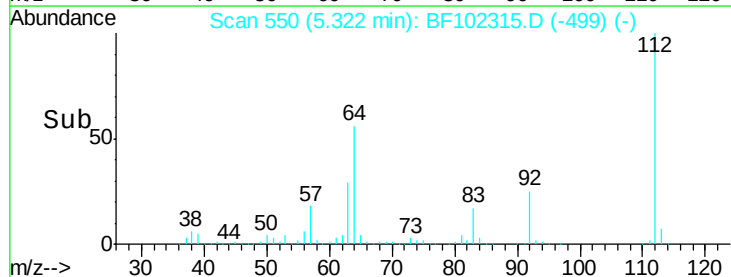
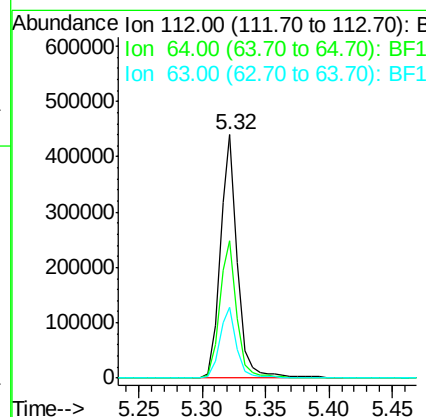
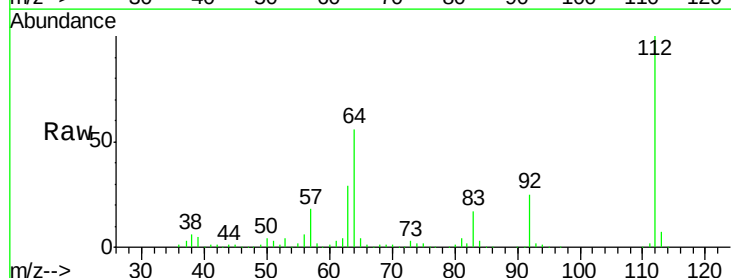
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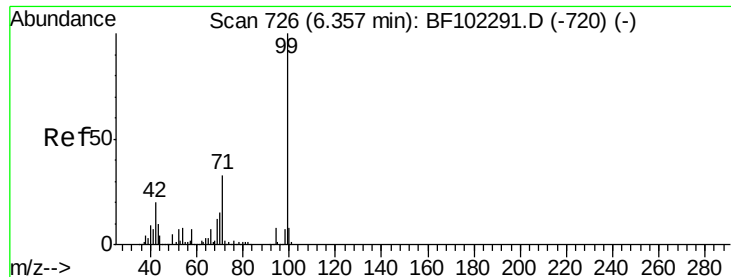


#5

2-Fluorophenol
Concen: 47.860 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF102315.D
Acq: 22 Jan 2018 22:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	47.9	71.9
63	29.2	23.7	35.5





#7

Phenol-d6

Concen: 46.204 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF102315.D

Acq: 22 Jan 2018 22:31

Instrument :

BNA_F

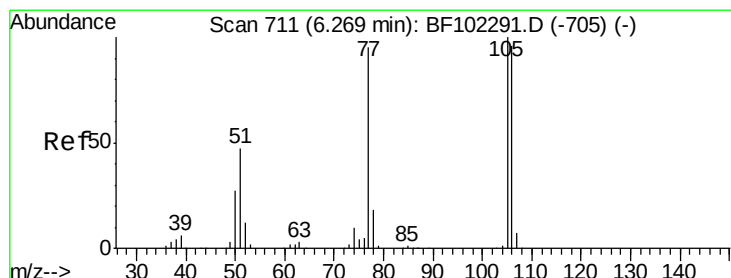
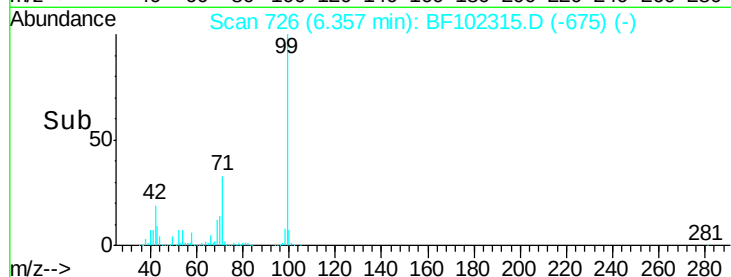
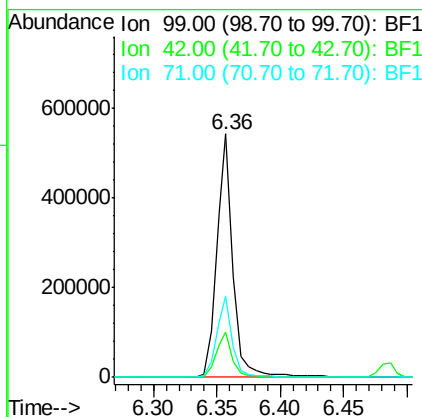
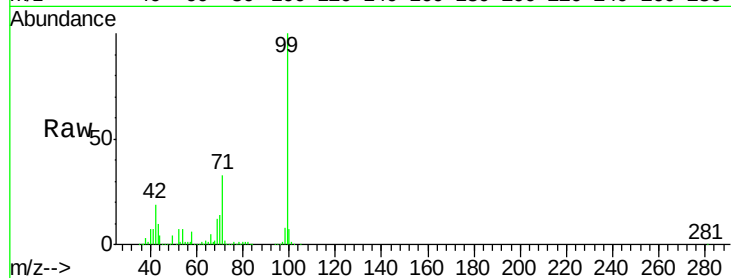
ClientSampleId :

SB-09-0-2.0

Tot Ion:	99	Resp:	488445
Ion Ratio	Lower	Upper	
99	100		
42	18.7	14.5	21.7
71	33.0	25.4	38.0

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#9

Benzaldehyde

Concen: 2.621 ng

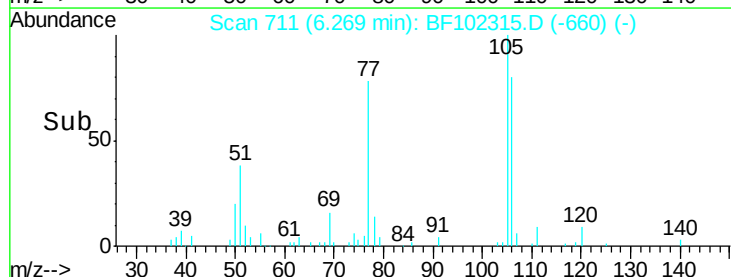
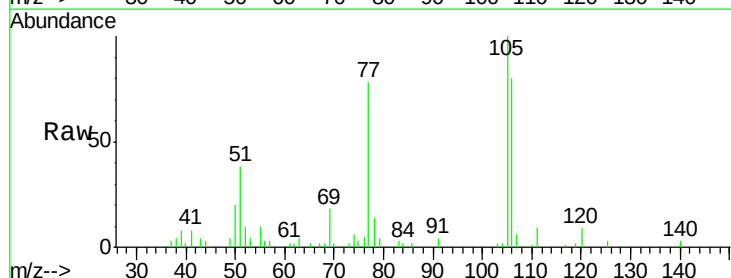
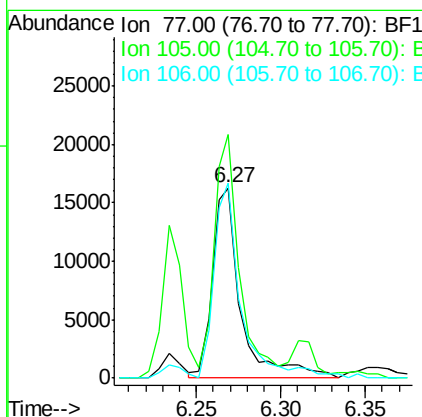
RT: 6.27 min Scan# 711

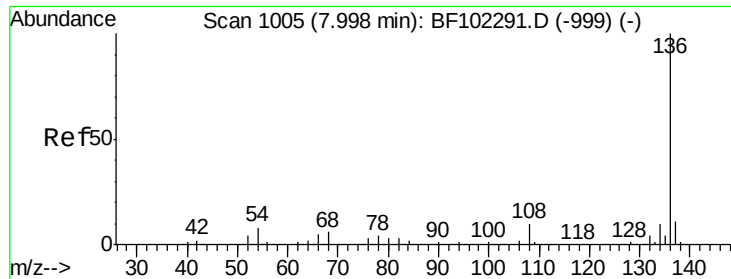
Delta R.T. 0.00 min

Lab File: BF102315.D

Acq: 22 Jan 2018 22:31

Tgt Ion:	77	Resp:	19157
Ion Ratio	Lower	Upper	
77	100		
105	127.9	81.1	121.1#
106	102.5	74.5	114.5





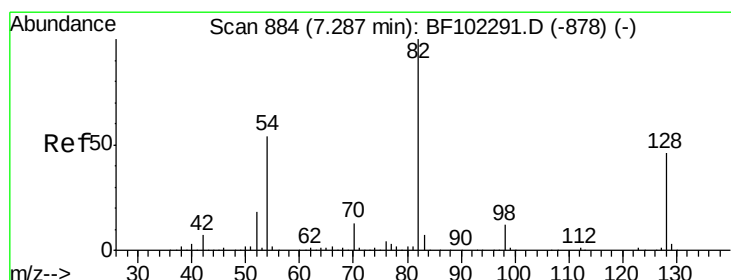
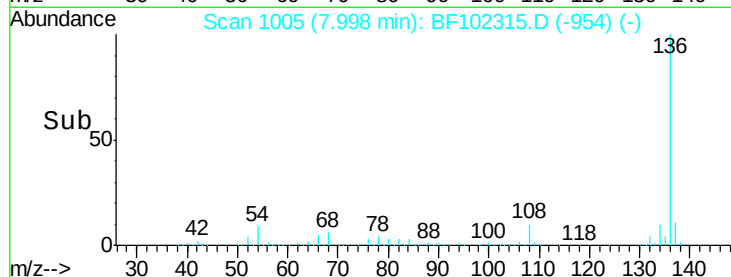
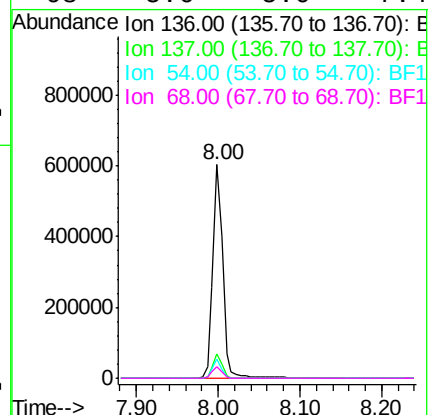
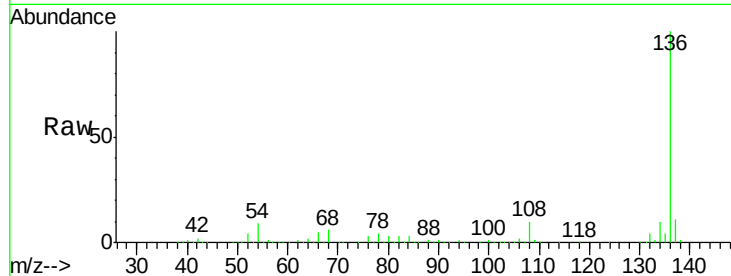
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF102315.D
Acq: 22 Jan 2018 22:31

Instrument :
BNA_F
ClientSampleId :
SB-09-0-2.0

Tot Ion	Ratio	Resp	Lower	Upper
136	100	512412		
137	11.3	8.9	13.3	
54	8.8	6.6	9.8	
68	5.6	5.0	7.4	

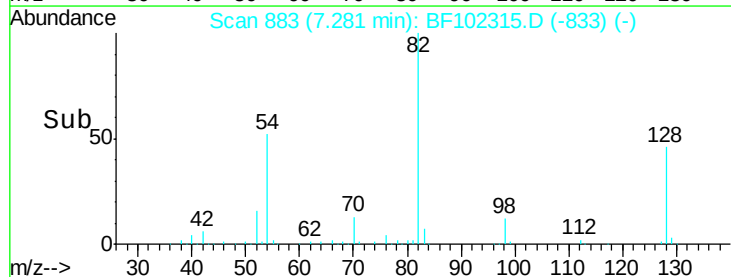
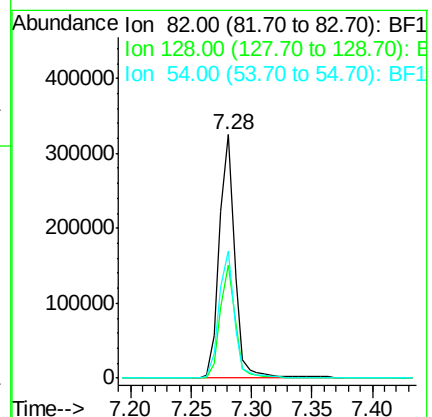
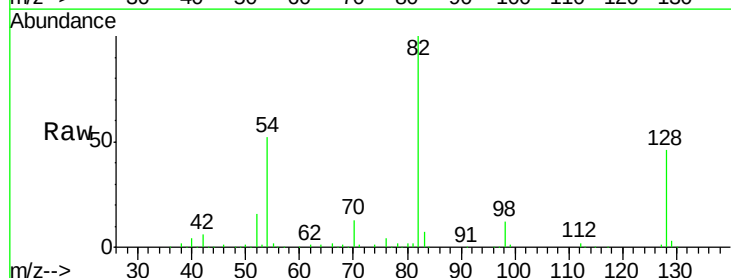
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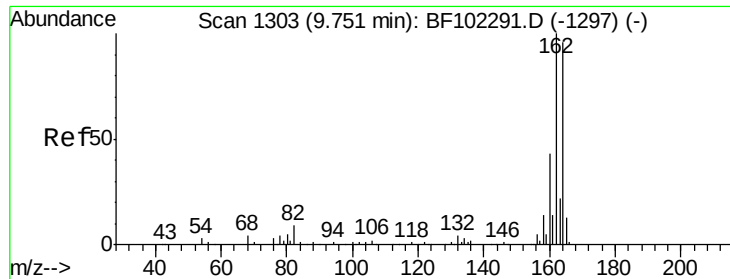
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#23
Nitrobenzene-d5
Concen: 32.207 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102315.D
Acq: 22 Jan 2018 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	287181		
128	46.4	36.1	54.1	
54	52.3	41.4	62.2	





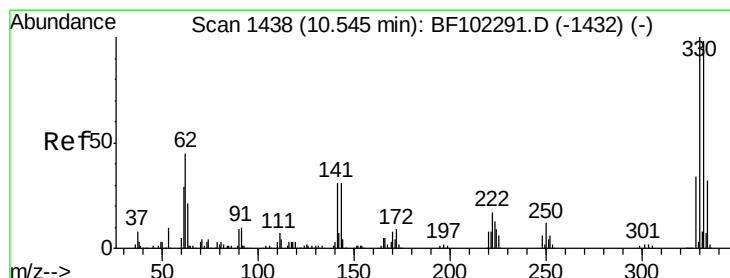
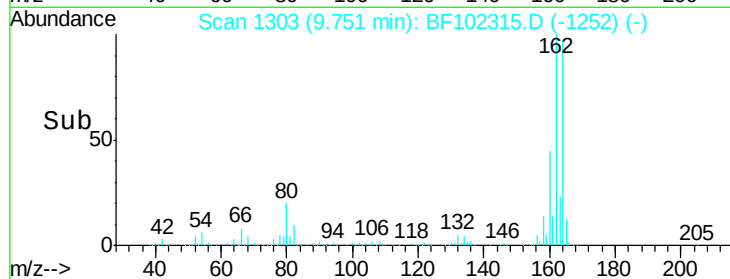
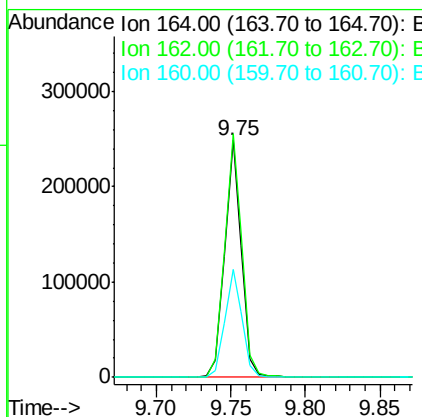
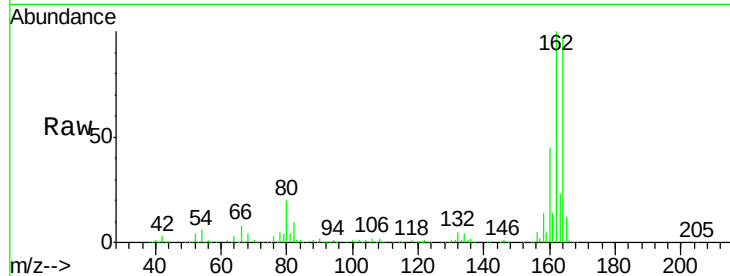
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BF102315.D
Acq: 22 Jan 2018 22:31

Instrument :
BNA_F
ClientSampleId :
SB-09-0-2.0

Tot Ion	Ratio	Resp	Lower	Upper
164	100	197686		
162	102.9	86.1	129.1	
160	45.8	38.3	57.5	

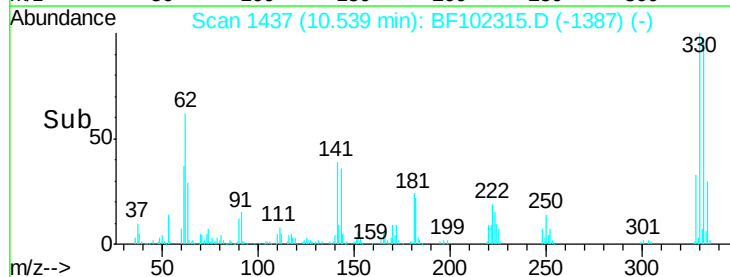
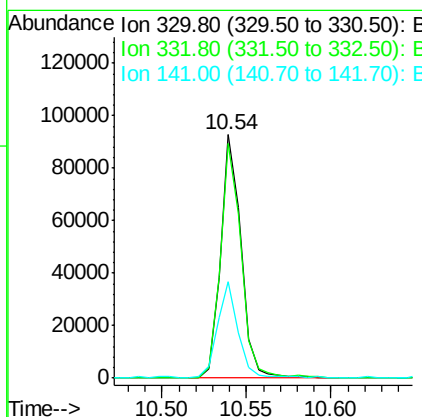
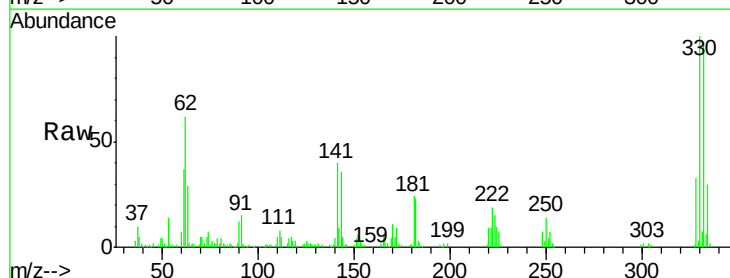
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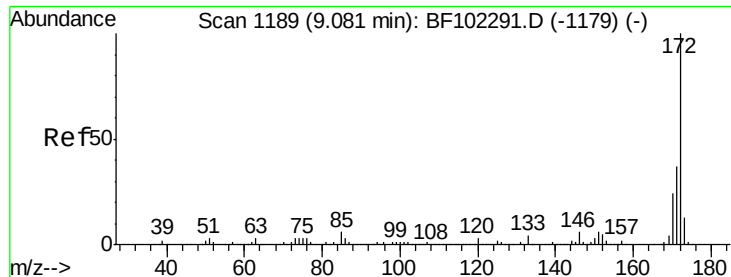
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#41
2,4,6-Tribromophenol
Concen: 40.194 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF102315.D
Acq: 22 Jan 2018 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	78731		
332	98.3	77.0	115.6	
141	40.9	29.9	44.9	





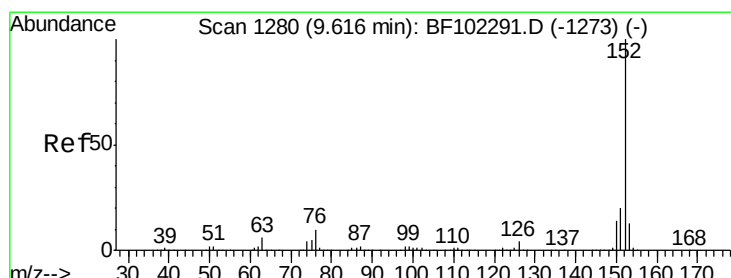
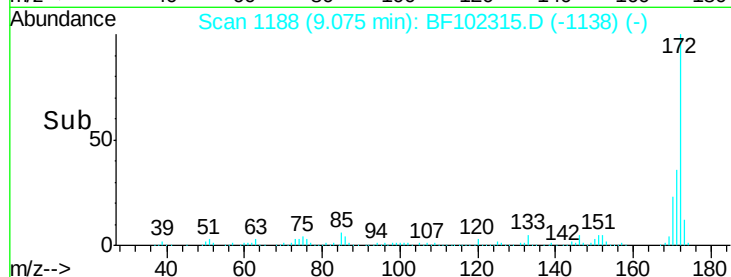
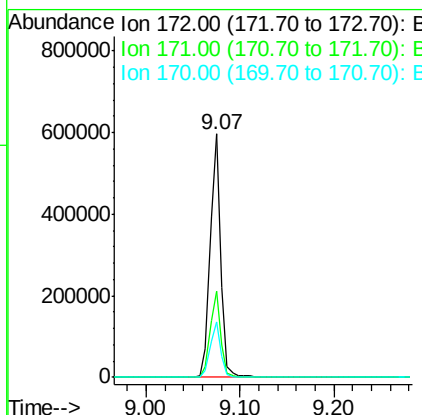
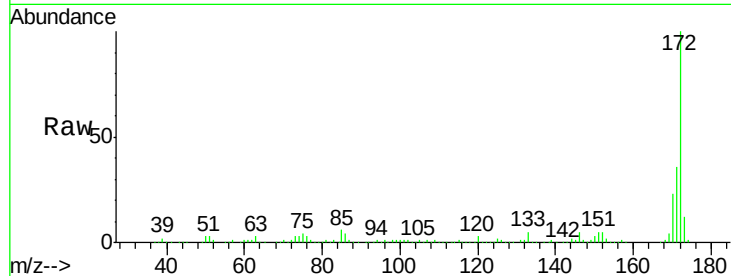
#44
2-Fluorobiphenyl
Concen: 35.404 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF102315.D
Acq: 22 Jan 2018 22:31

Instrument :
BNA_F
ClientSampleId :
SB-09-0-2.0

Tot Ion	Ratio	Resp	Lower	Upper
172	100	475995		
171	35.5		29.7	44.5
170	22.5		19.6	29.4

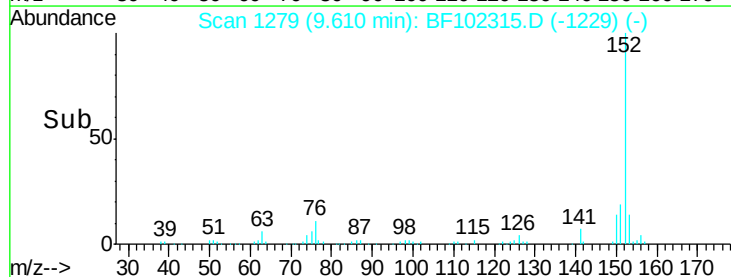
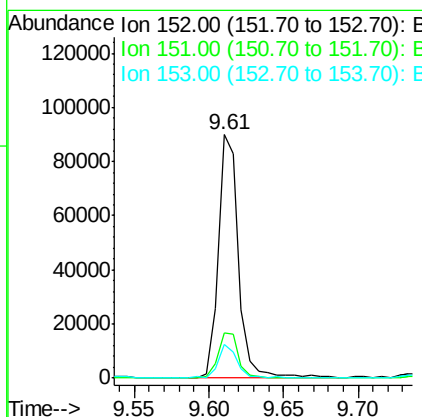
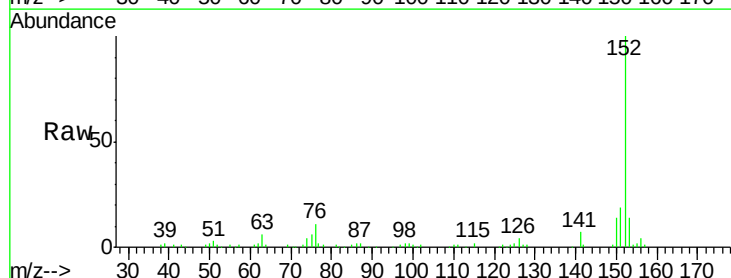
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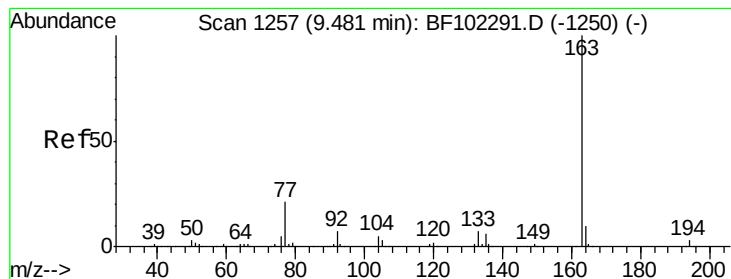
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#48
Acenaphthylene
Concen: 4.003 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF102315.D
Acq: 22 Jan 2018 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	85682		
151	18.7		16.3	24.5
153	14.0		10.7	16.1





#49

Dimethylphthalate

Concen: 3.085 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF102315.D

Acq: 22 Jan 2018 22:31

Instrument :

BNA_F

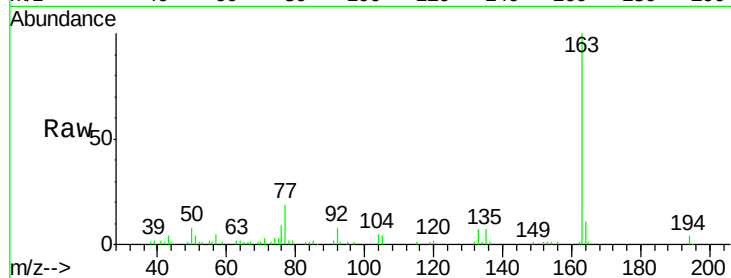
ClientSampleId :

SB-09-0-2.0

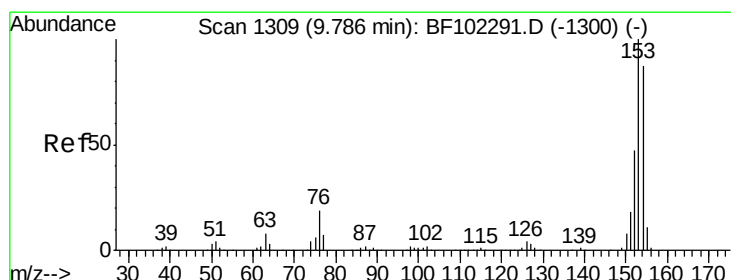
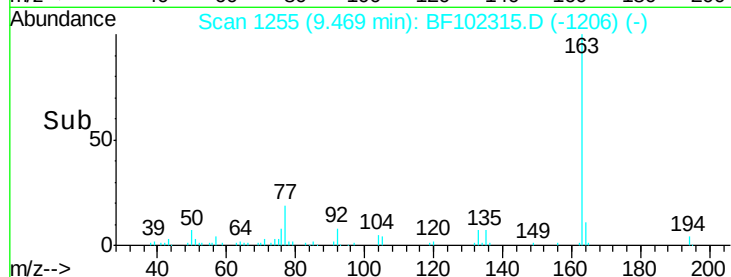
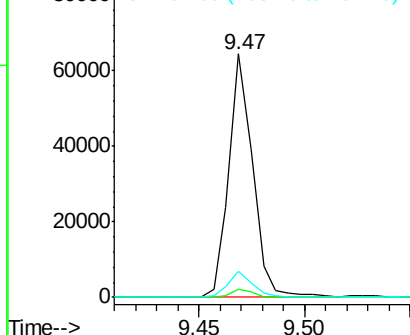
Tot Ion:	163	Resp:	50401
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.7	4.1
164	10.8	8.2	12.2

Manual Integrations
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 4.364 ng

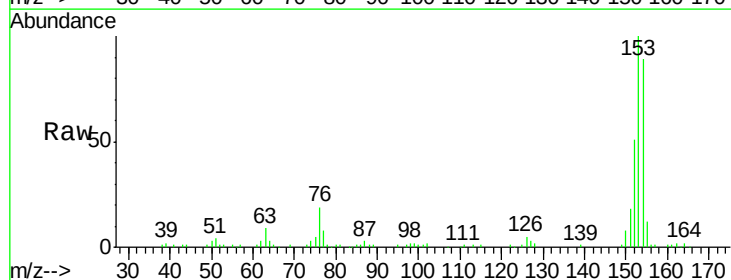
RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

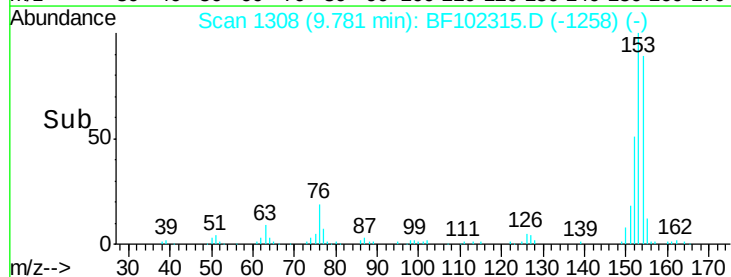
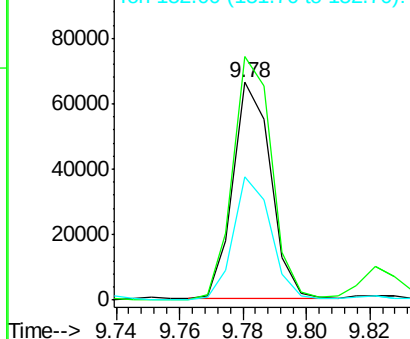
Lab File: BF102315.D

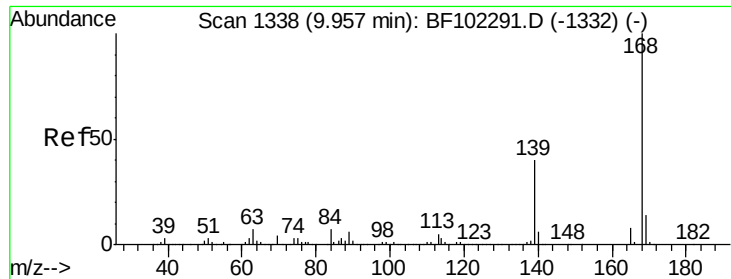
Acq: 22 Jan 2018 22:31

Tgt Ion:	154	Resp:	54560
Ion Ratio	Lower	Upper	
154	100		
153	111.7	91.2	136.8
152	56.9	43.8	65.8



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





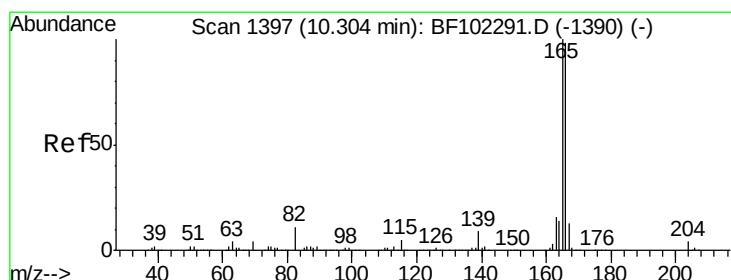
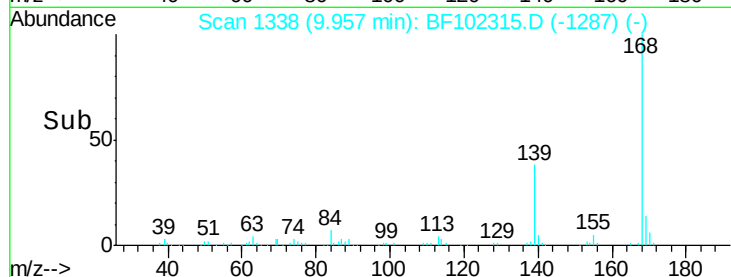
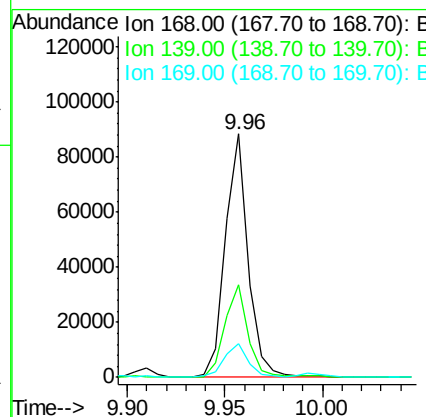
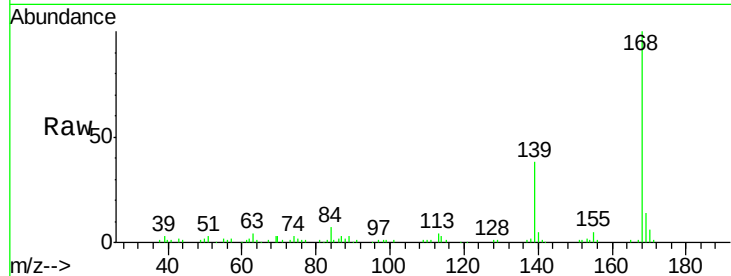
#54
Dibenzofuran
Concen: 4.259 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.00 min
Lab File: BF102315.D
Acq: 22 Jan 2018 22:31

Instrument :
BNA_F
ClientSampleId :
SB-09-0-2.0

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.9	30.1	45.1
169	14.0	10.9	16.3

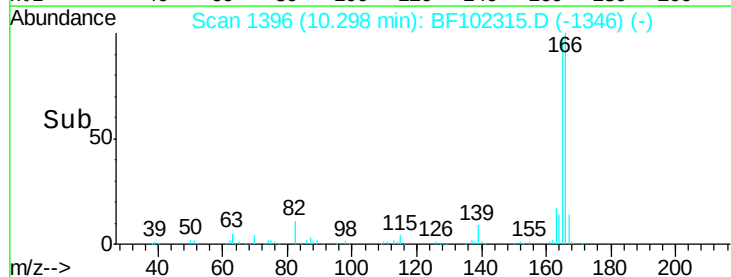
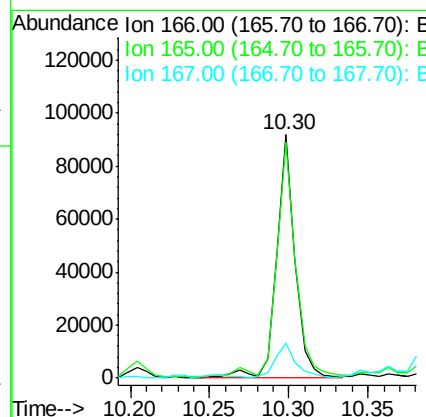
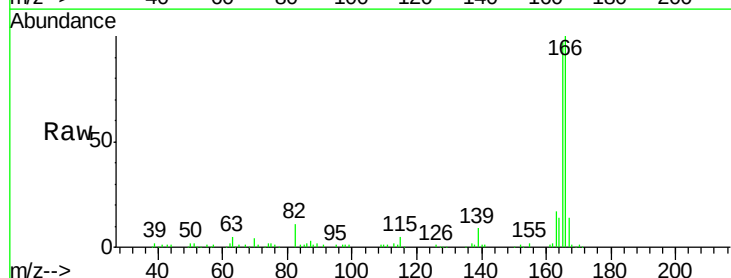
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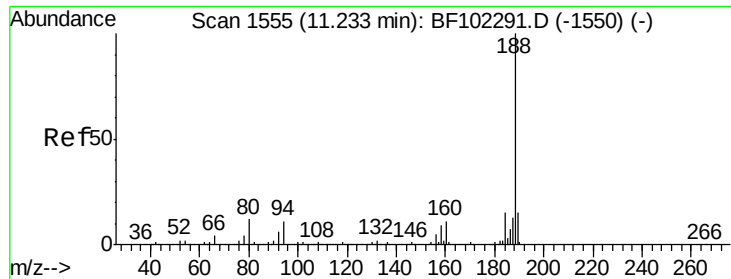
Sohil
1/23/2018 12:46:55 PM



#57
Fluorene
Concen: 5.675 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF102315.D
Acq: 22 Jan 2018 22:31

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.8	79.8	119.8
167	14.5	10.6	16.0





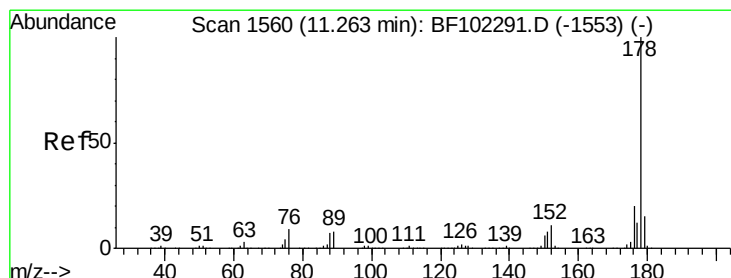
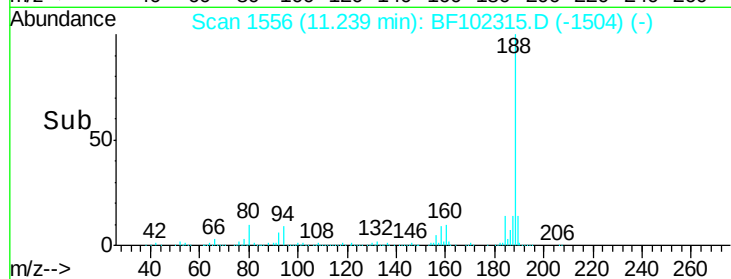
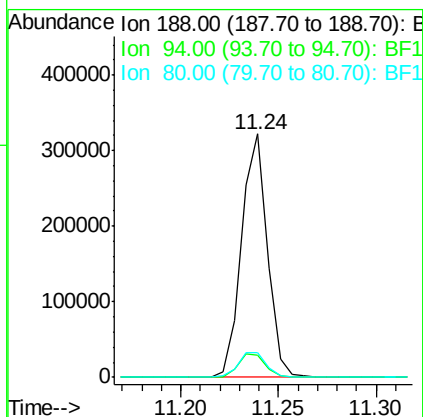
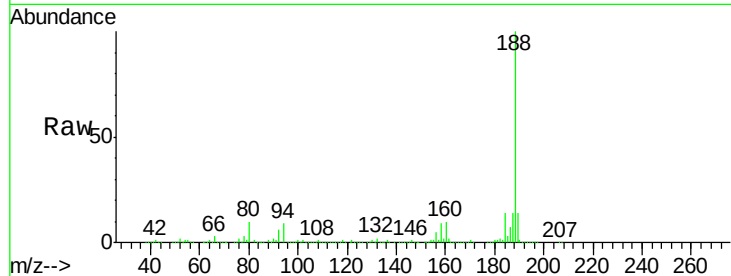
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.01 min
Lab File: BF102315.D
Acq: 22 Jan 2018 22:31

Instrument :
BNA_F
ClientSampleId :
SB-09-0-2.0

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.2	8.5	12.7
80	10.1	9.2	13.8

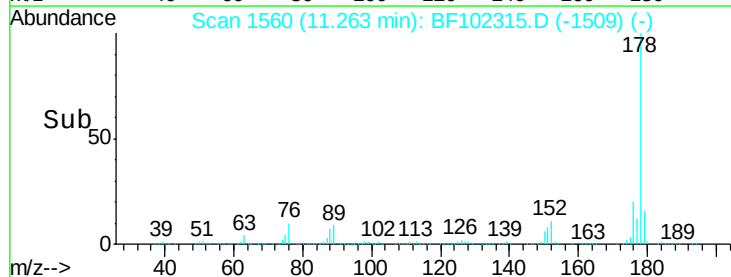
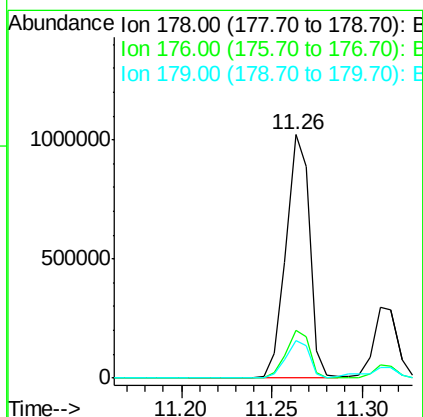
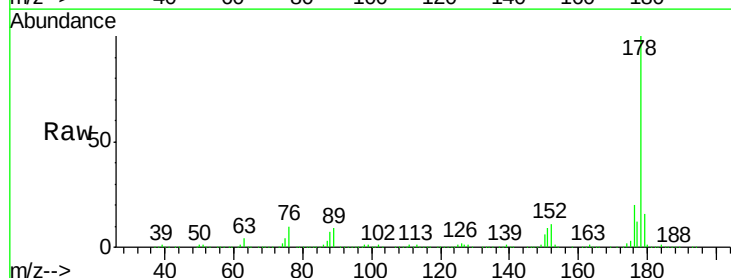
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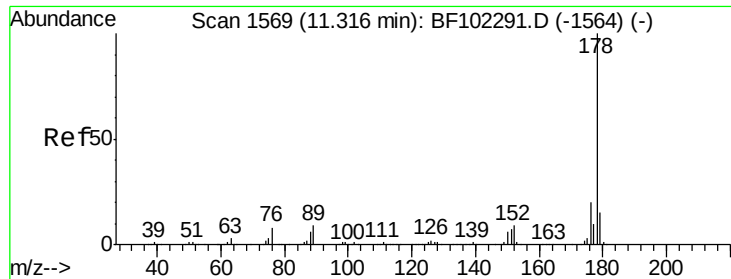
Sohil
1/23/2018 12:46:55 PM



#70
Phenanthrene
Concen: 54.236 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF102315.D
Acq: 22 Jan 2018 22:31

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.7	13.0	19.6





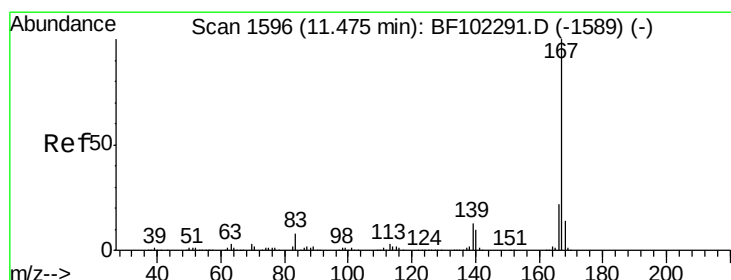
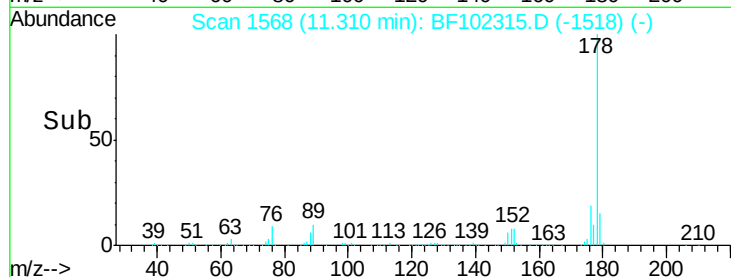
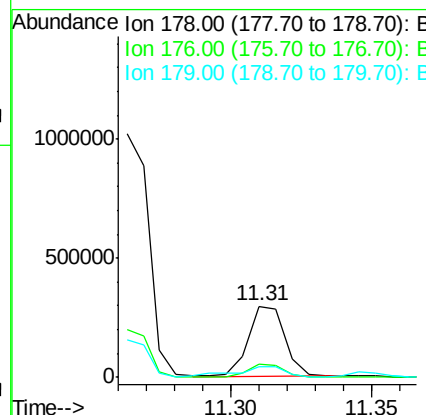
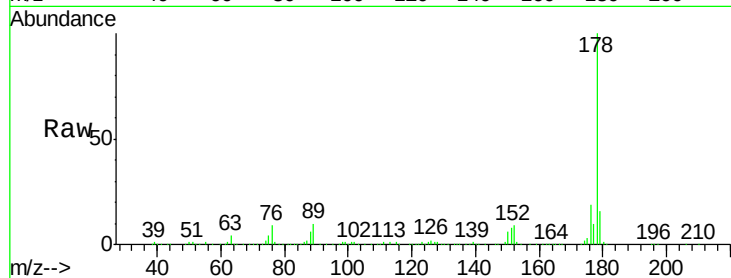
#71
 Anthracene
 Concen: 15.361 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102315.D
 Acq: 22 Jan 2018 22:31

Instrument :
 BNA_F
 ClientSampled :
 SB-09-0-2.0

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.7	12.6	19.0

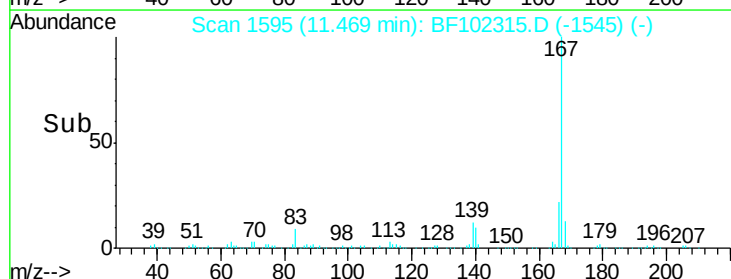
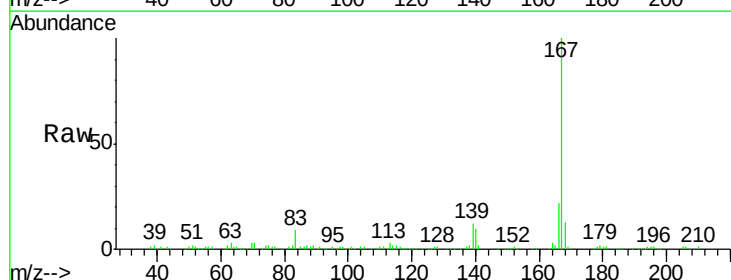
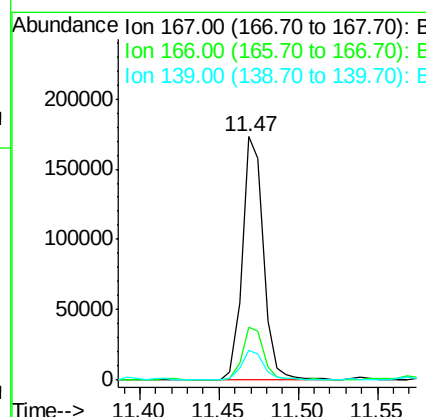
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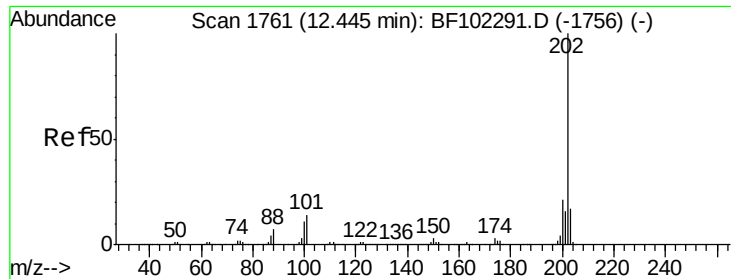
Sohil
 1/23/2018 12:46:55 PM



#72
 Carbazole
 Concen: 9.351 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF102315.D
 Acq: 22 Jan 2018 22:31

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.6	26.4
139	12.4	10.9	16.3





#74

Fluoranthene

Concen: 63.638 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF102315.D

Acq: 22 Jan 2018 22:31

Instrument :

BNA_F

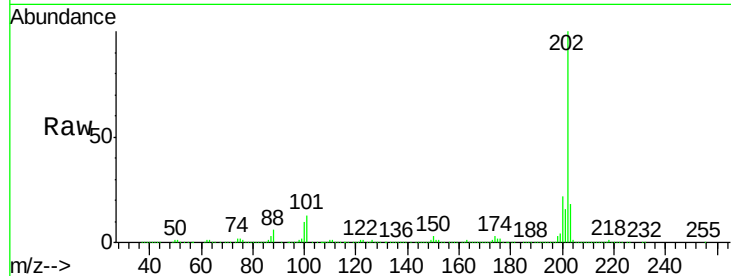
ClientSampleId :

SB-09-0-2.0

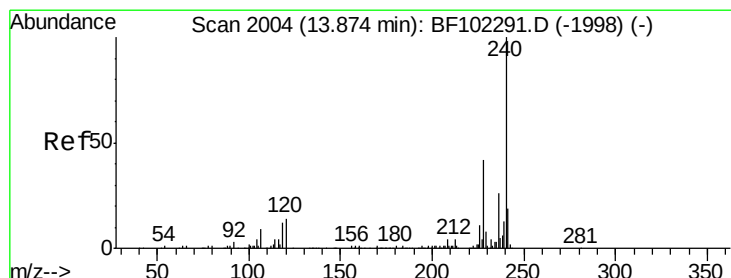
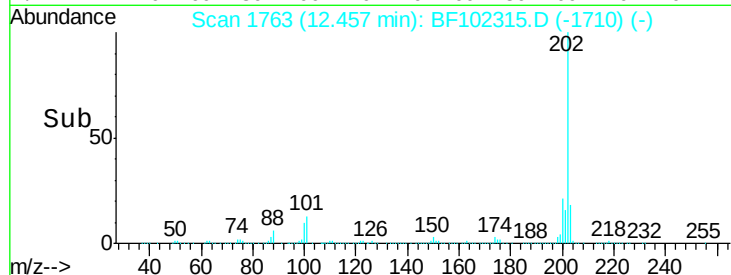
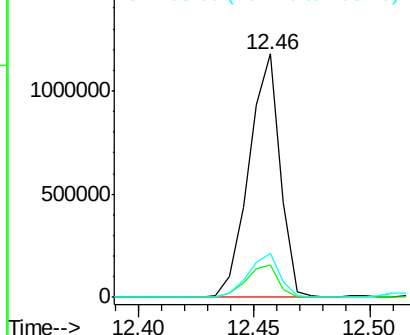
Tot Ion:	202	Resp:	1115070
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	34.1
203	17.8	0.0	38.1

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

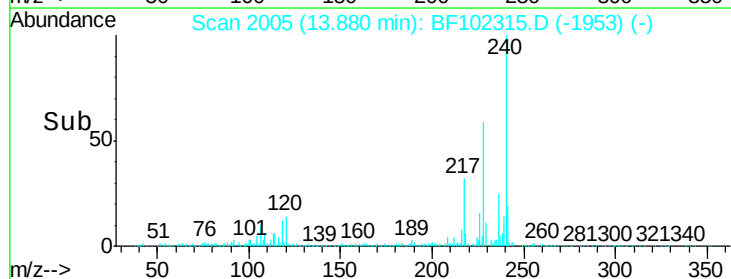
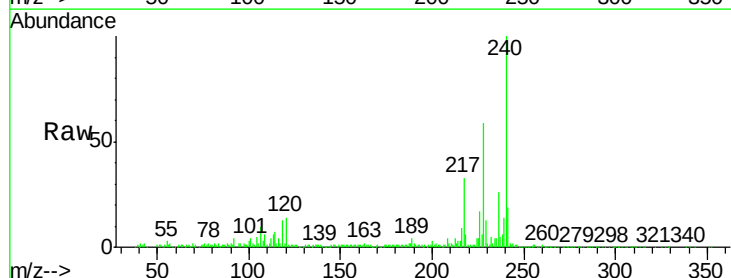
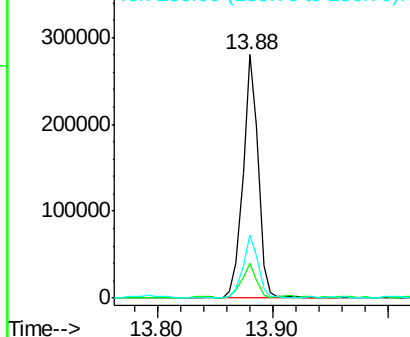
Delta R.T. 0.01 min

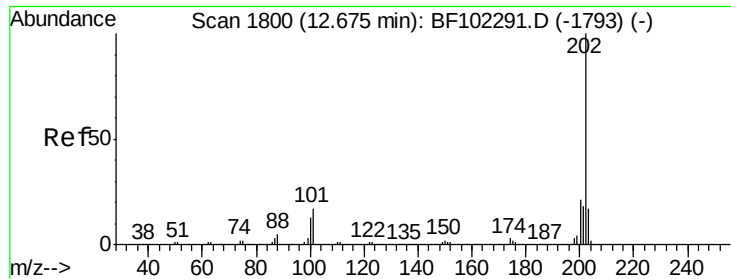
Lab File: BF102315.D

Acq: 22 Jan 2018 22:31

Tgt Ion:	240	Resp:	254582
Ion Ratio	Lower	Upper	
240	100		
120	14.3	9.5	14.3#
236	25.7	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 52.287 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.01 min

Lab File: BF102315.D

Acq: 22 Jan 2018 22:31

Instrument :

BNA_F

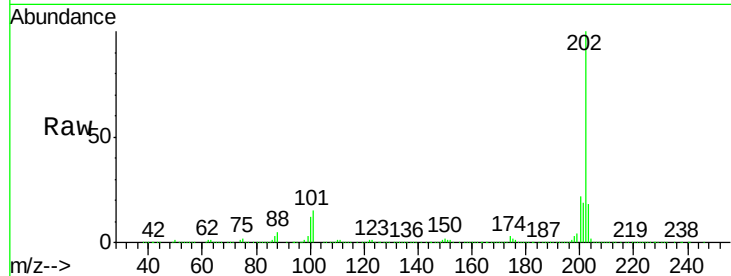
ClientSampled :

SB-09-0-2.0

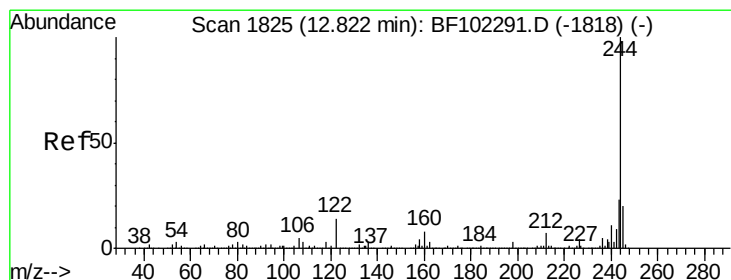
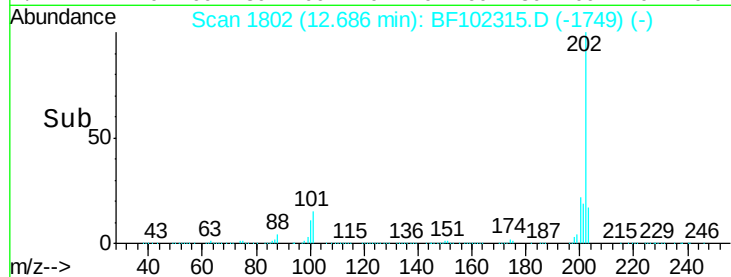
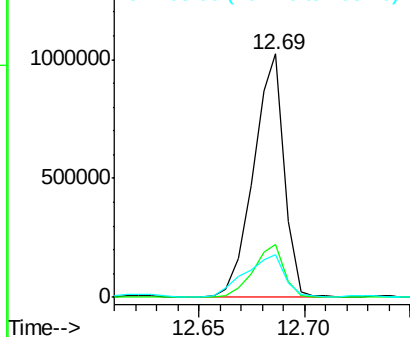
Tot Ion:	202	Resp:	1029194
Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.6	14.3	21.5

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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: 29.476 ng

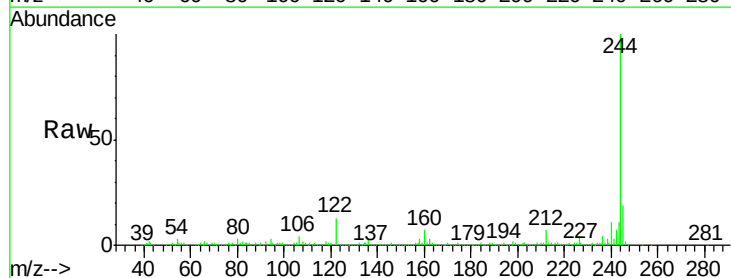
RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

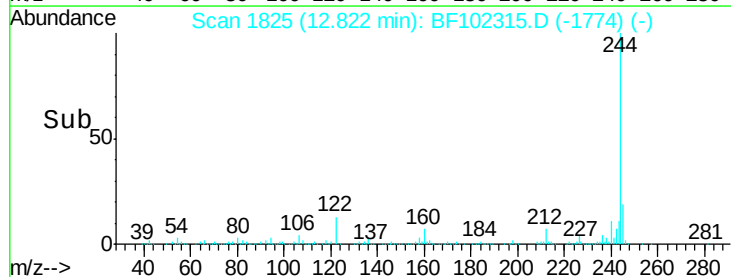
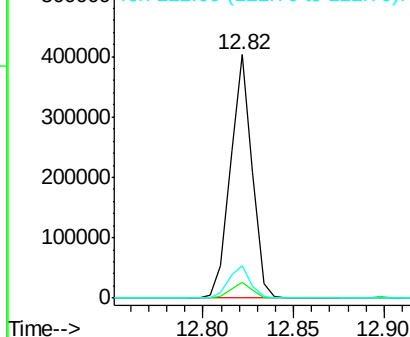
Lab File: BF102315.D

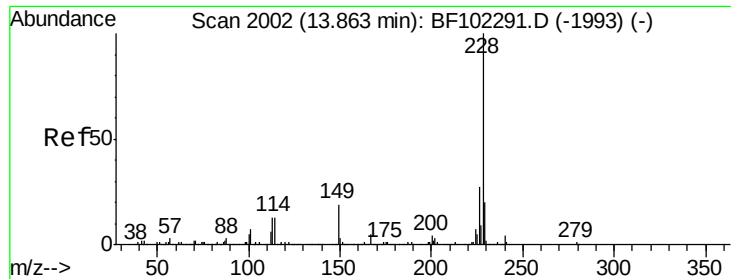
Acq: 22 Jan 2018 22:31

Tgt Ion:	244	Resp:	332865
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	13.5	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





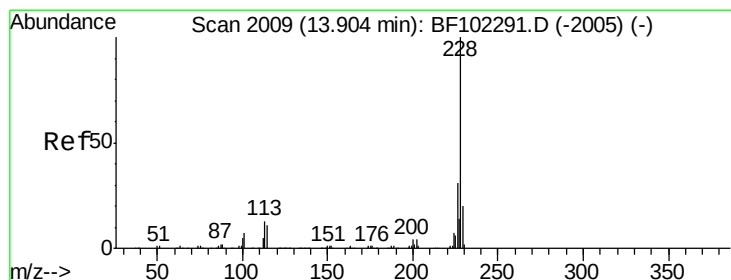
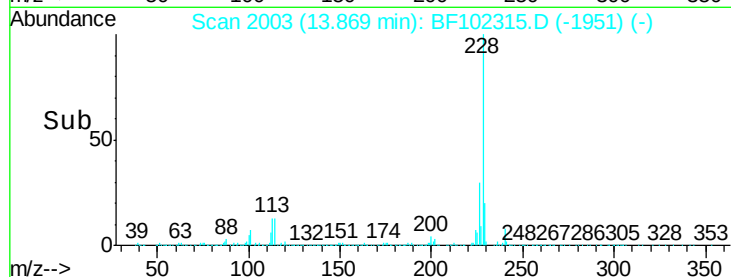
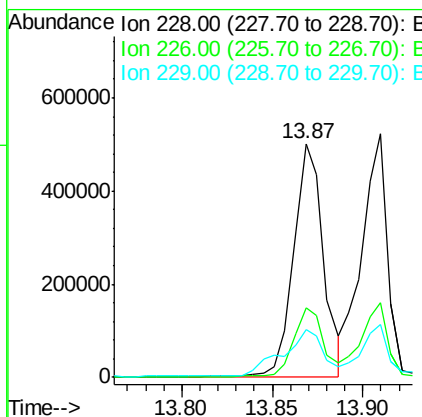
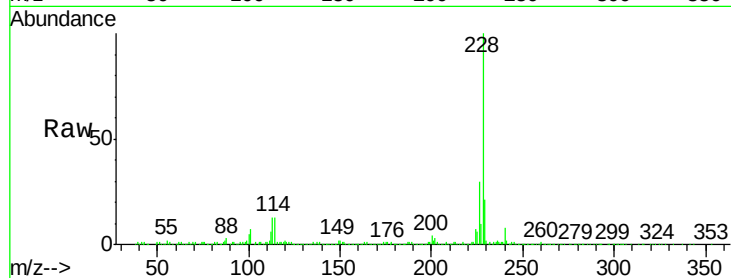
#80
Benzo(a)anthracene
Concen: 36.914 ng
RT: 13.87 min Scan# 2003
Delta R.T. 0.01 min
Lab File: BF102315.D
Acq: 22 Jan 2018 22:31

Instrument :
BNA_F
ClientSampleId :
SB-09-0-2.0

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	20.6	15.8	23.6

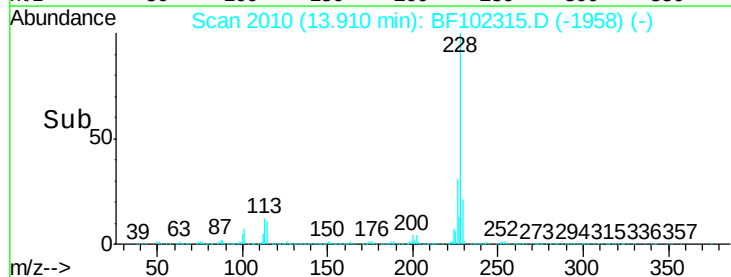
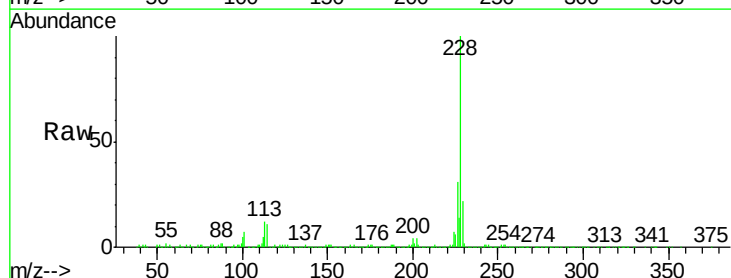
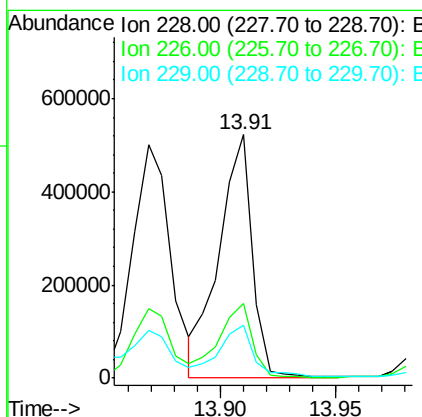
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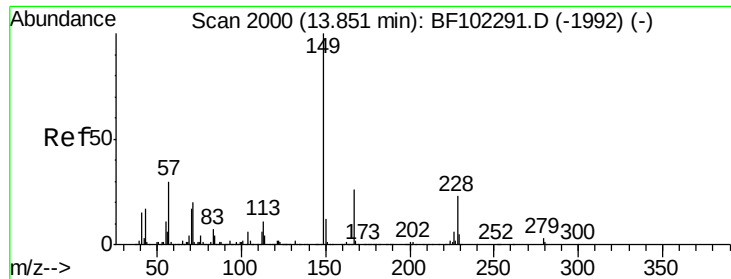
Sohil
1/23/2018 12:46:55 PM



#82
Chrysene
Concen: 32.520 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BF102315.D
Acq: 22 Jan 2018 22:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	21.8	16.2	24.4





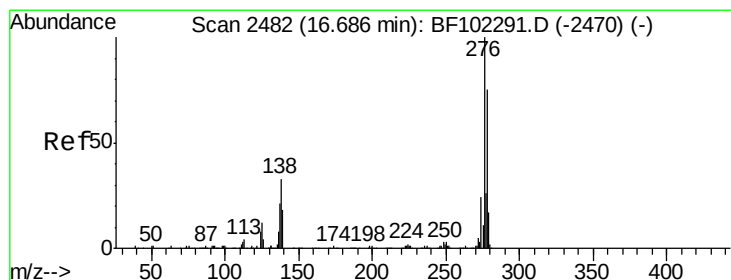
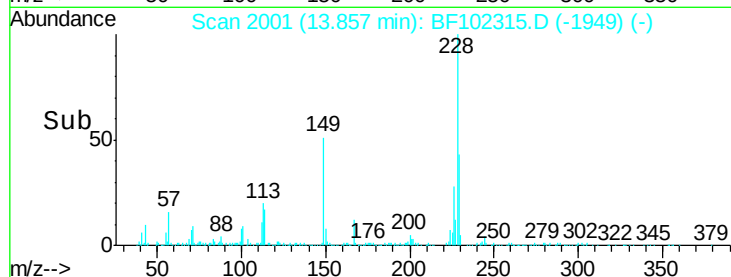
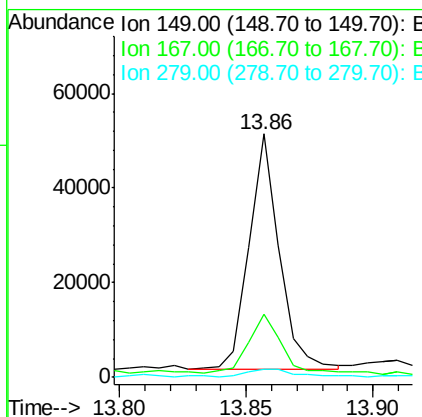
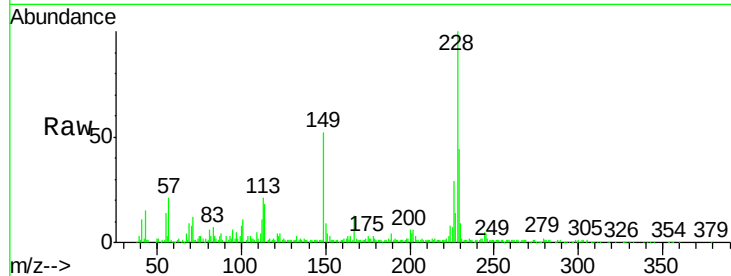
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.119 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. 0.01 min
 Lab File: BF102315.D
 Acq: 22 Jan 2018 22:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-09-0-2.0

Tot Ion	Ratio	Lower	Upper
149	100		
167	25.9	21.3	31.9
279	3.4	3.0	4.4

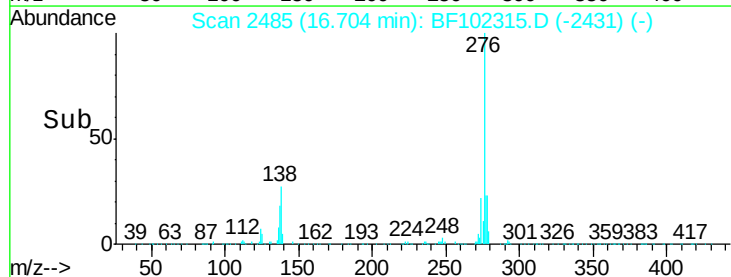
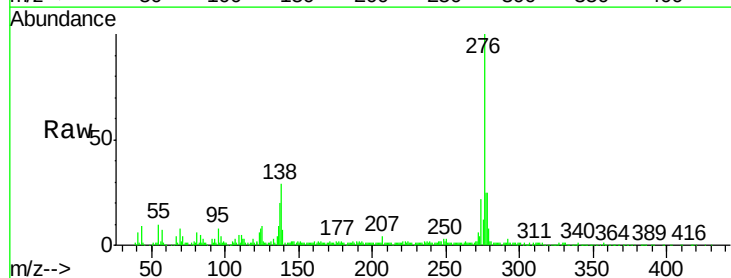
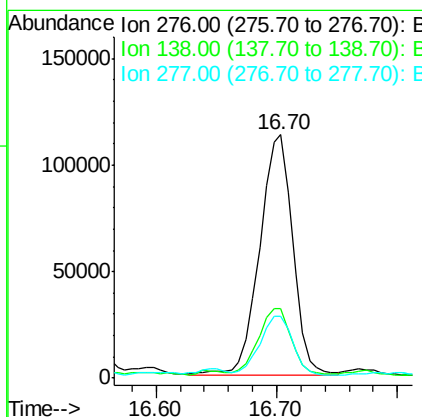
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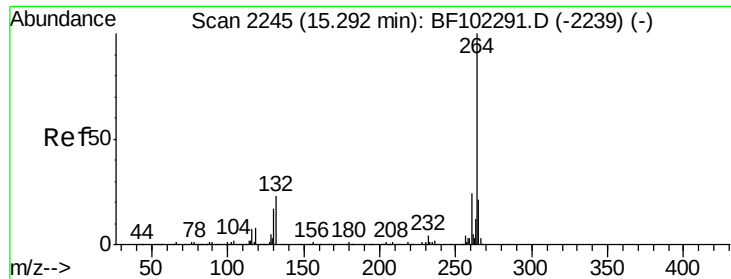
Sohil
 1/23/2018 12:46:55 PM



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 16.226 ng
 RT: 16.70 min Scan# 2485
 Delta R.T. 0.02 min
 Lab File: BF102315.D
 Acq: 22 Jan 2018 22:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.0	25.0	37.6
277	24.1	20.1	30.1





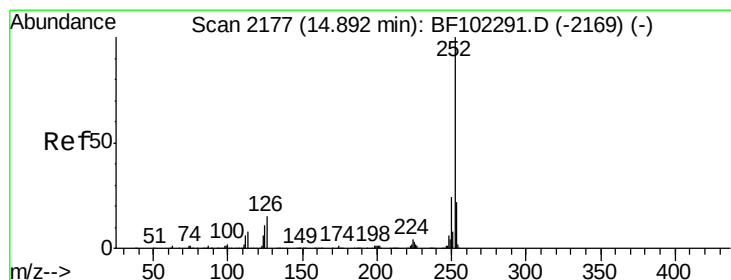
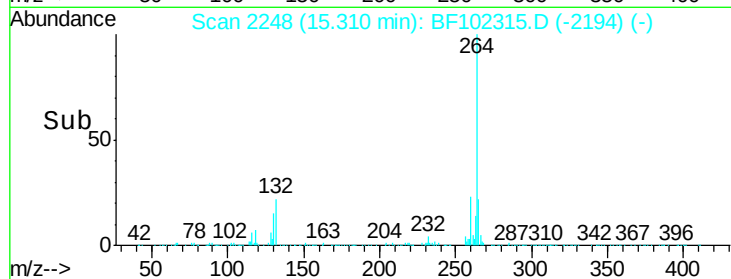
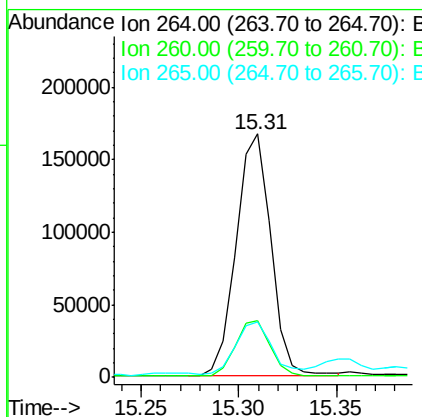
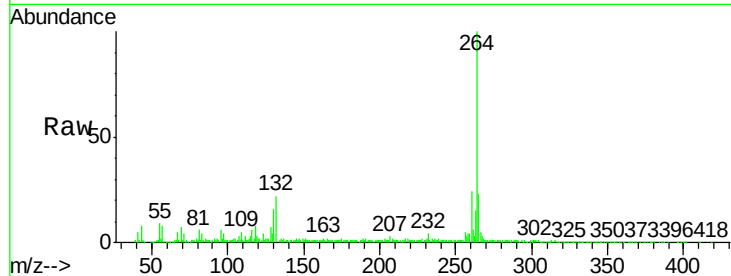
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.02 min
Lab File: BF102315.D
Acq: 22 Jan 2018 22:31

Instrument :
BNA_F
ClientSampleId :
SB-09-0-2.0

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	23.0	17.5	26.3

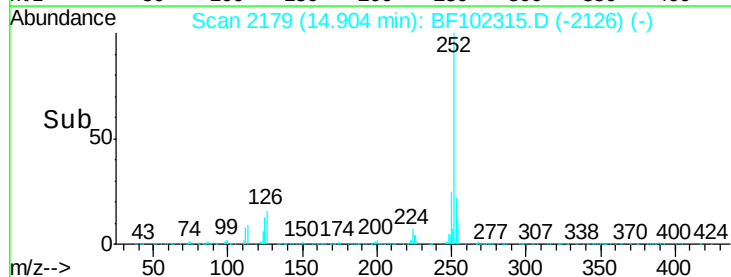
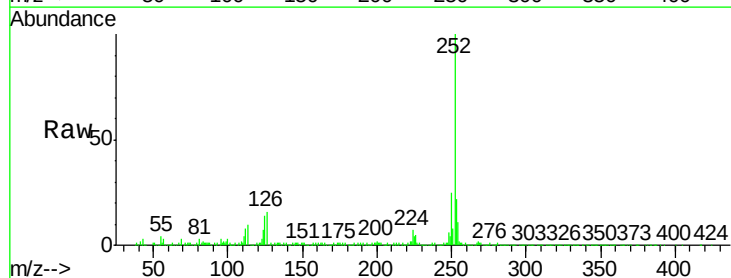
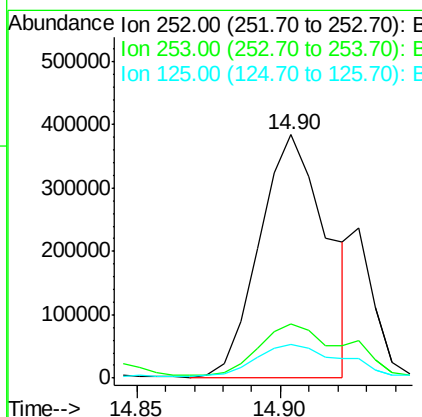
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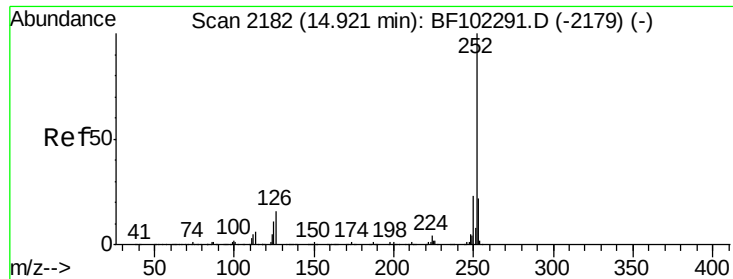
Sohil
1/23/2018 12:46:55 PM



#87
Benzo(b)fluoranthene
Concen: 46.886 ng m
RT: 14.90 min Scan# 2179
Delta R.T. 0.01 min
Lab File: BF102315.D
Acq: 22 Jan 2018 22:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	14.1	9.0	13.6





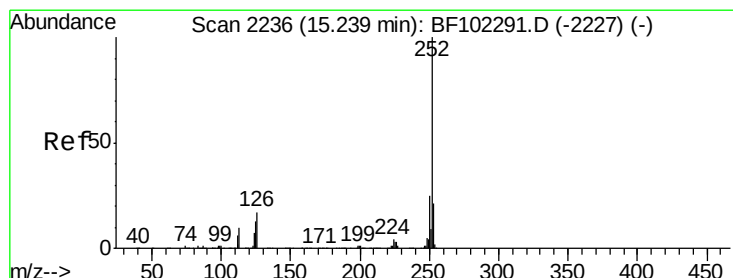
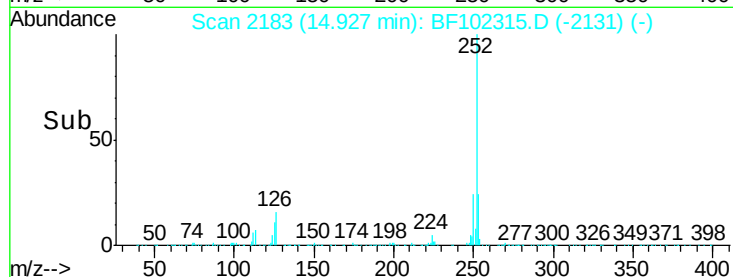
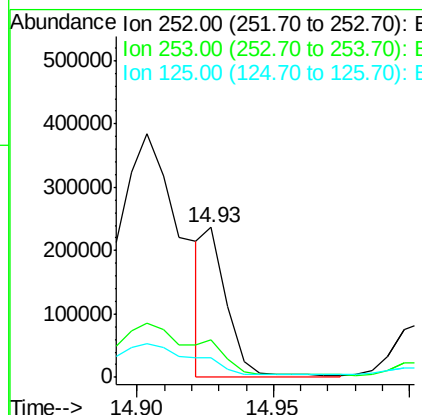
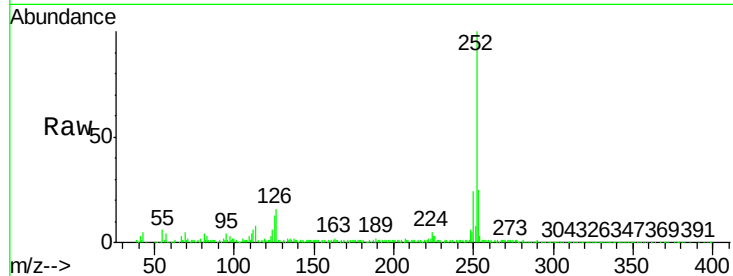
#88
Benzo(k)fluoranthene
Concen: 10.817 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF102315.D
Acq: 22 Jan 2018 22:31

Instrument :
BNA_F
ClientSampleId :
SB-09-0-2.0

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	12.8	10.2	15.2

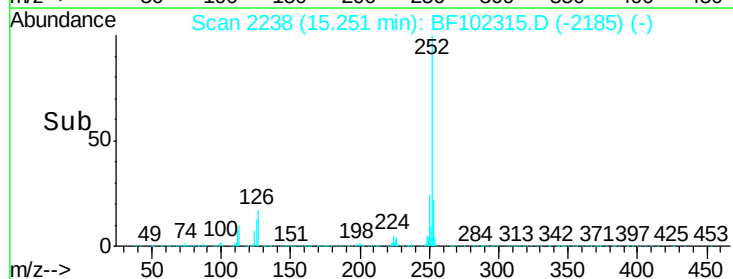
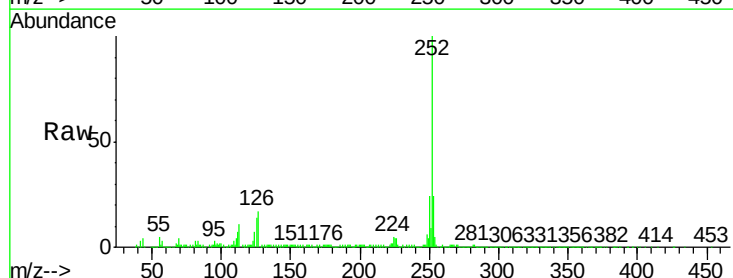
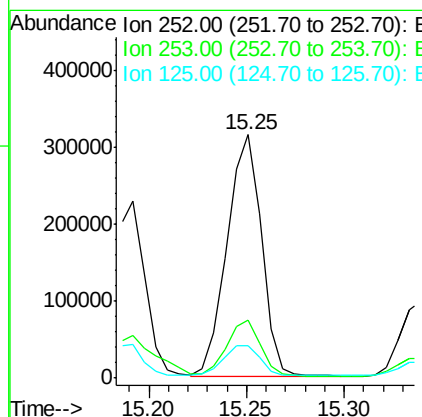
Manual Integrations
APPROVED

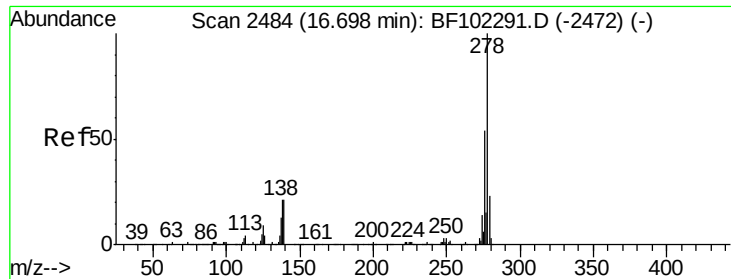
Sohil
1/23/2018 12:46:55 PM



#89
Benzo(a)pyrene
Concen: 32.049 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.01 min
Lab File: BF102315.D
Acq: 22 Jan 2018 22:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	13.5	9.8	14.6





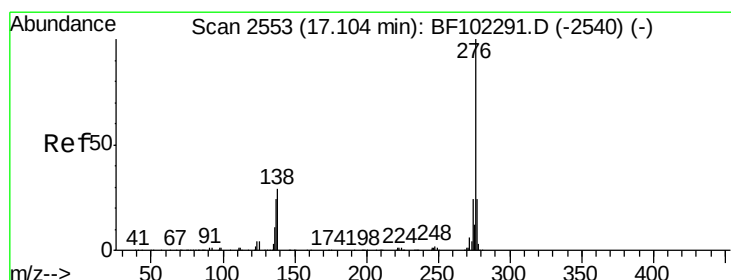
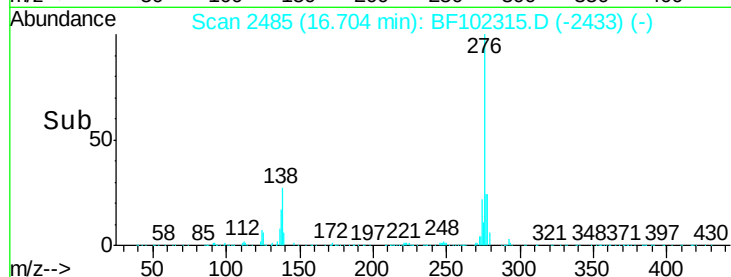
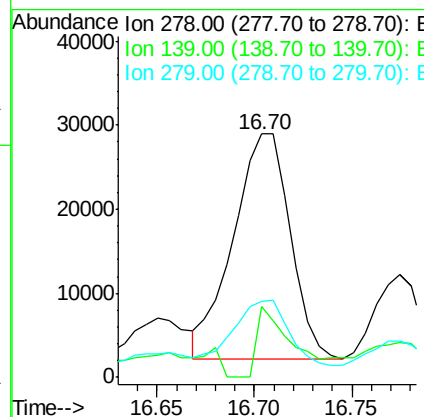
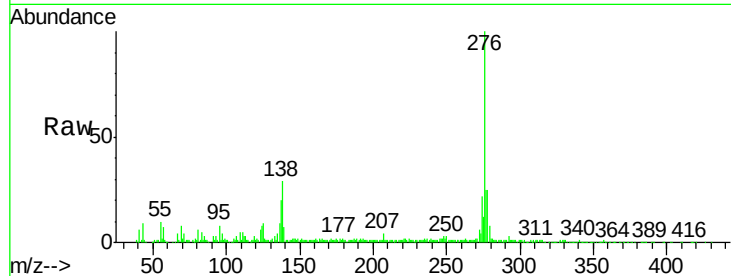
#90
Dibenzo(a,h)anthracene
Concen: 5.602 ng
RT: 16.70 min Scan# 2485
Delta R.T. 0.01 min
Lab File: BF102315.D
Acq: 22 Jan 2018 22:31

Instrument :
BNA_F
ClientSampleId :
SB-09-0-2.0

Tot Ion	Ratio	Lower	Upper
278	100		
139	29.1	15.9	23.9#
279	31.2	19.0	28.4#

Manual Integrations
APPROVED

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1/23/2018 12:46:55 PM



#91
Benzo(g,h,i)perylene
Concen: 21.067 ng
RT: 17.12 min Scan# 2556
Delta R.T. 0.02 min
Lab File: BF102315.D
Acq: 22 Jan 2018 22:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	29.1	21.8	32.8

