

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
 Data File : BF106383.D
 Acq On : 13 Jun 2018 9:45
 Operator : JU/SJ
 Sample : J3322-02DL 200X
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB02-2 BOT_7DL

Manual Integrations
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 6/13/2018 4:56:44 PM

Quant Time: Jun 13 11:40:13 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 13 10:51:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	101367	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	341218	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	144856	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	305726	20.00	ng	0.00
75) Chrysene-d12	14.16	240	307144	20.00	ng	0.00
86) Perylene-d12	15.69	264	221180	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	3235	0.54	ng	0.02
7) Phenol-d6	6.65	99	3643	0.48	ng	0.03
23) Nitrobenzene-d5	7.52	82	2242	0.39	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	547	0.39	ng	0.00
44) 2-Fluorobiphenyl	0.00	172	0d	0.00	ng	
78) Terphenyl-d14	13.08	244	6513	0.53	ng	0.00
Target Compounds						
31) Naphthalene	8.28	128	167761	10.876	ng	98
37) 2-Methylnaphthalene	8.97	142	44082	4.196	ng	94
48) Acenaphthylene	9.88	152	173009	12.589	ng	98
51) Acenaphthene	10.05	154	51206	5.769	ng	96
54) Dibenzofuran	10.22	168	95766	8.013	ng	97
57) Fluorene	10.56	166	167174	17.654	ng	98
70) Phenanthrene	11.53	178	896898	59.903	ng	99
71) Anthracene	11.58	178	258116	17.208	ng	99
72) Carbazole	11.74	167	55128	3.981	ng	97
74) Fluoranthene	12.72	202	1204309	75.423	ng	97
77) Pyrene	12.95	202	995398	51.765	ng	97
80) Benzo(a)anthracene	14.15	228	576025m	31.515	ng	
82) Chrysene	14.18	228	439539m	26.339	ng	
85) Indeno(1,2,3-cd)pyrene	17.26	276	131848m	9.900	ng	
87) Benzo(b)fluoranthene	15.24	252	440201m	32.924	ng	
88) Benzo(k)fluoranthene	15.27	252	137611m	10.393	ng	
89) Benzo(a)pyrene	15.63	252	299498m	24.905	ng	
90) Dibenzo(a,h)anthracene	17.27	278	36675m	3.658	ng	
91) Benzo(a,h,i)perylene	17.74	276	112268	11.522	ng	# 94

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

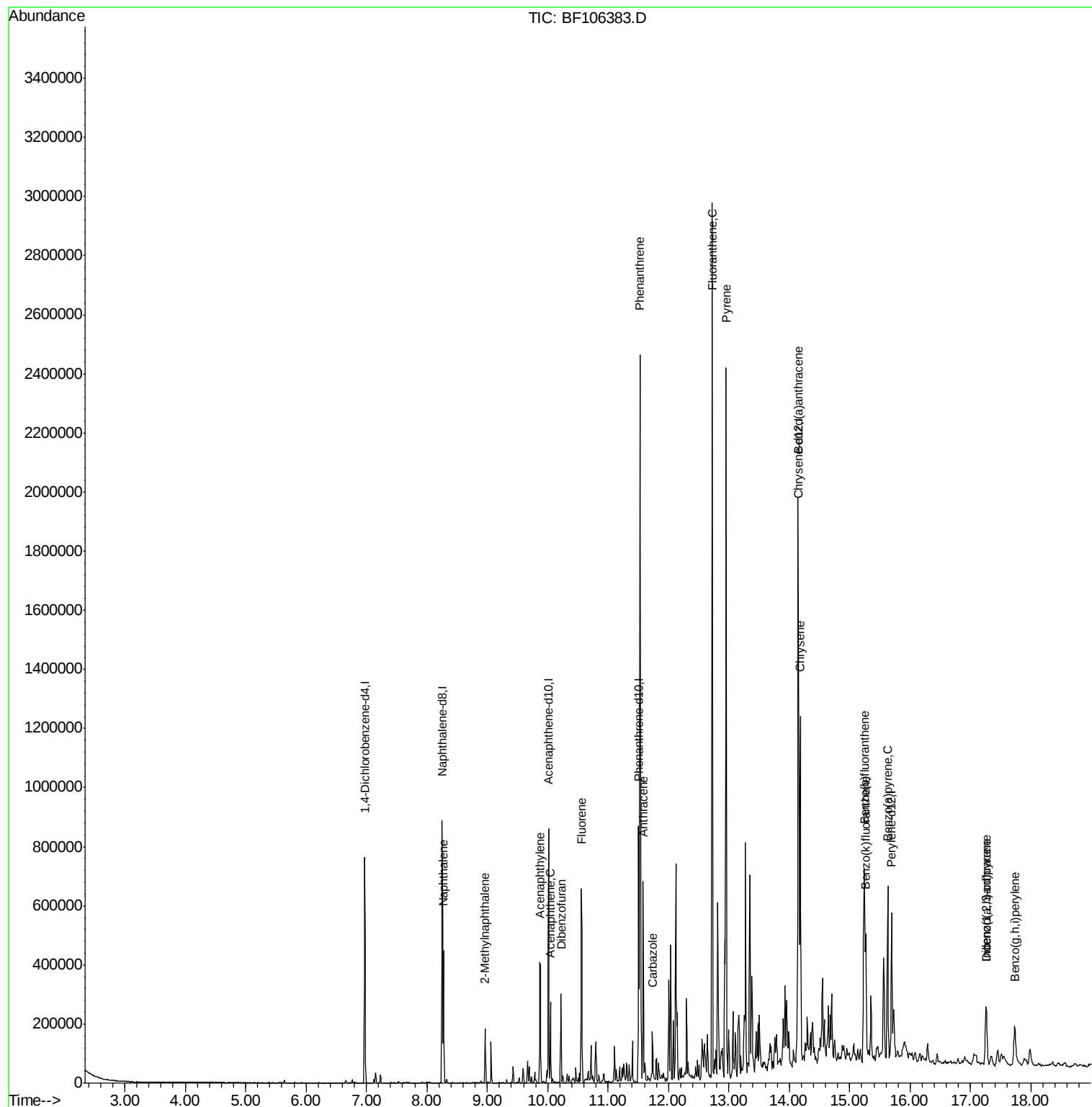
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
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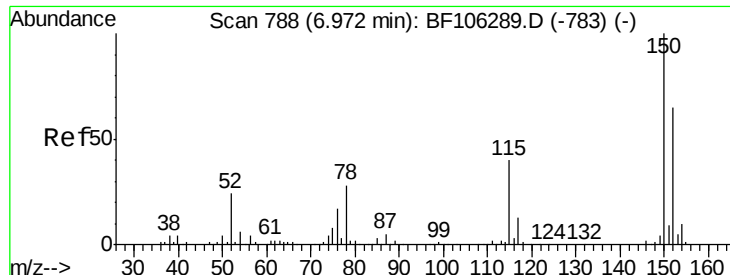
Instrument :
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SB02-2 BOT_7DL

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#1

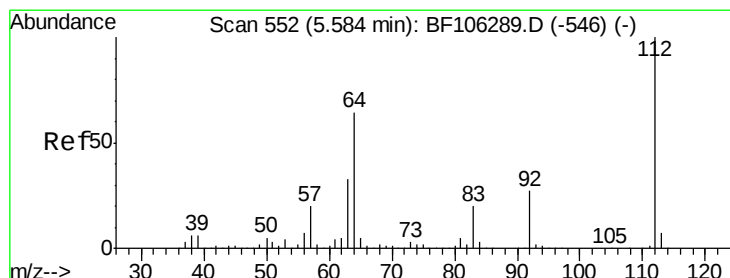
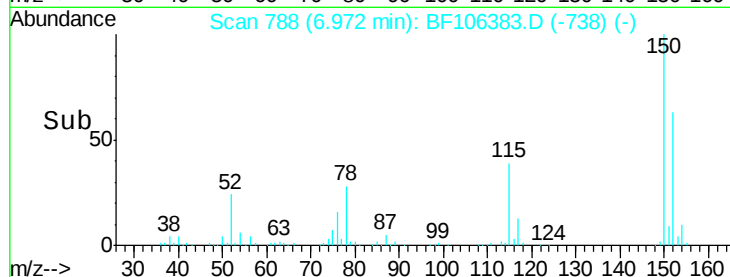
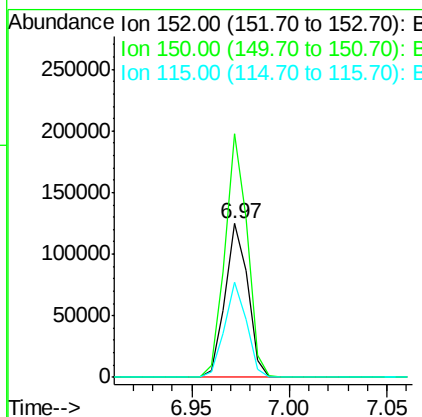
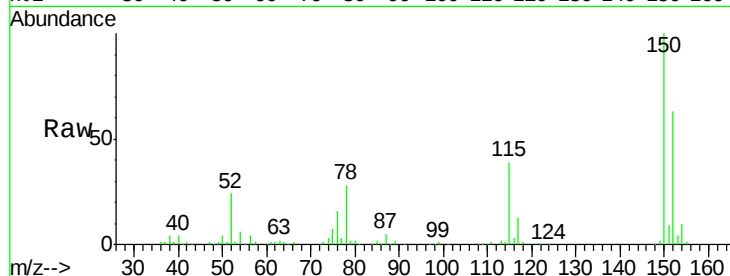
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF106383.D
Acq: 13 Jun 2018 9:45

Instrument :
BNA_F
ClientSampleId :
SB02-2 BOT_7DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.6	186.8
115	62.0	50.1	75.1

Manual Integrations
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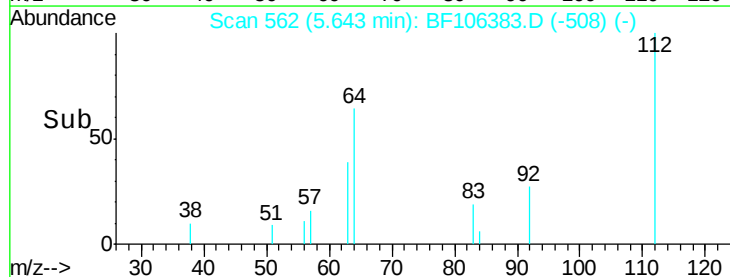
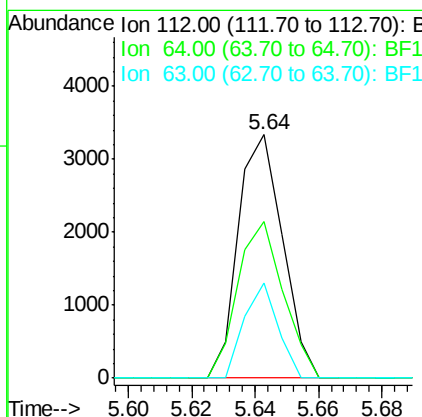
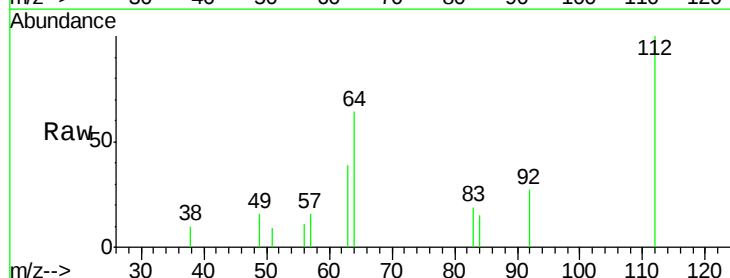
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#5

2-Fluorophenol
Concen: 0.540 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.02 min
Lab File: BF106383.D
Acq: 13 Jun 2018 9:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	47.9	71.9
63	39.1	23.7	35.5





#7

Phenol-d6

Concen: 0.481 ng

RT: 6.65 min Scan# 734

Delta R.T. 0.03 min

Lab File: BF106383.D

Acq: 13 Jun 2018 9:45

Instrument :

BNA_F

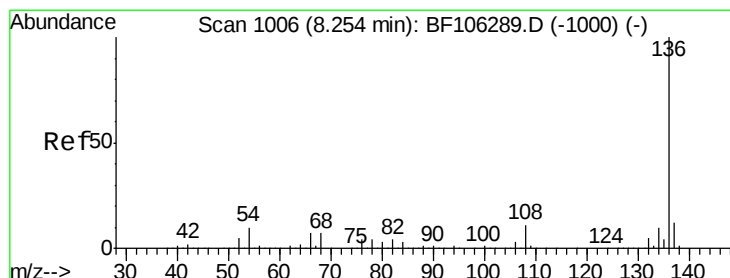
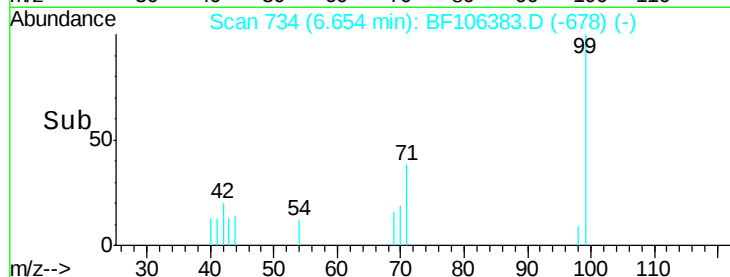
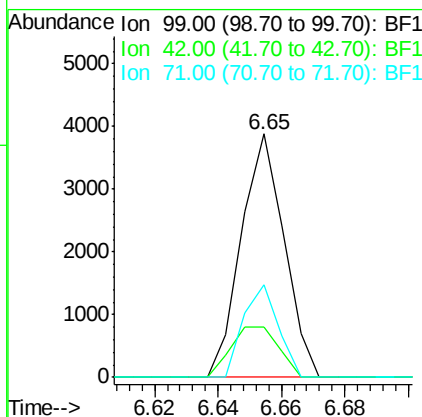
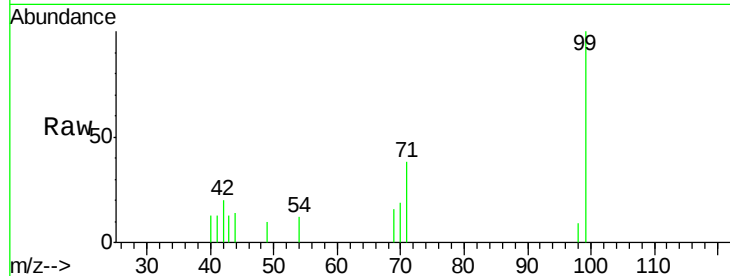
ClientSampled :

SB02-2 BOT_7DL

Tot Ion:	99	Resp:	3643
Ion	Ratio	Lower	Upper
99	100		
42	20.5	14.5	21.7
71	37.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

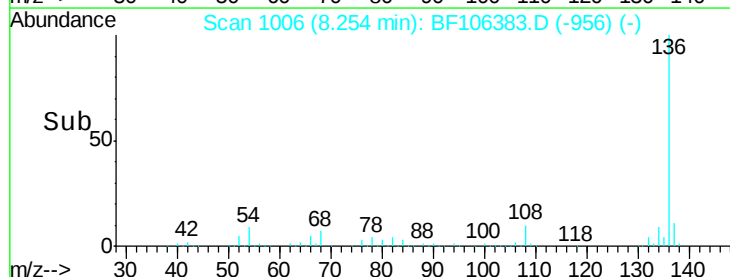
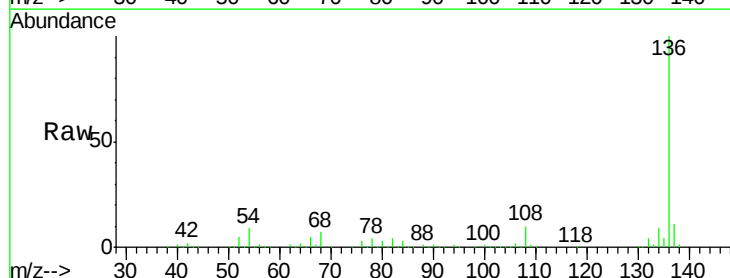
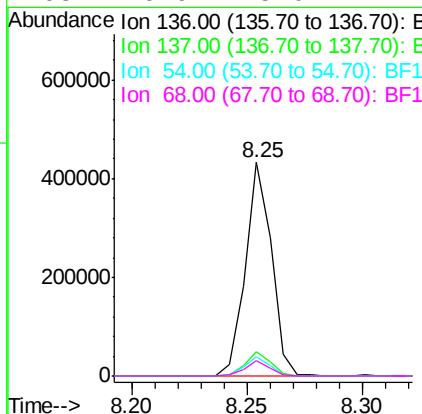
RT: 8.25 min Scan# 1006

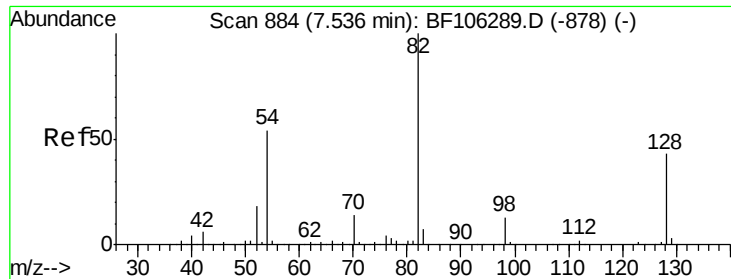
Delta R.T. -0.01 min

Lab File: BF106383.D

Acq: 13 Jun 2018 9:45

Tgt Ion:	136	Resp:	341218
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	9.0	6.6	9.8
68	6.9	5.0	7.4





#23

Nitrobenzene-d5

Concen: 0.387 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF106383.D

Acq: 13 Jun 2018 9:45

Instrument :

BNA_F

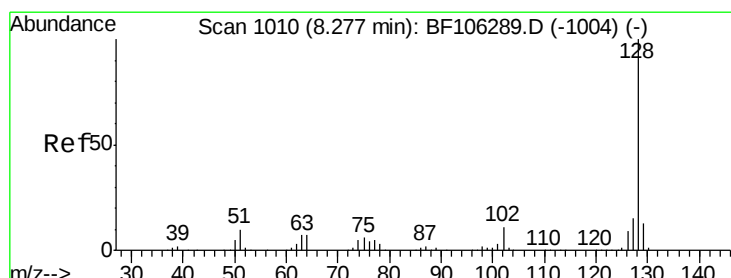
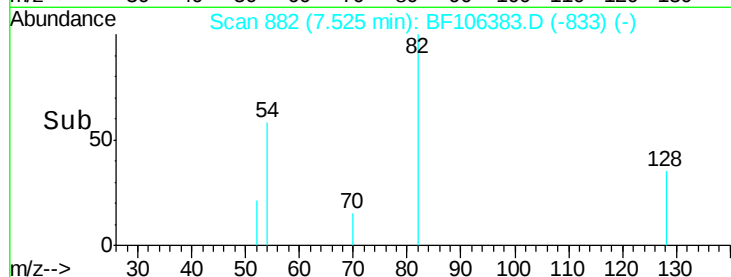
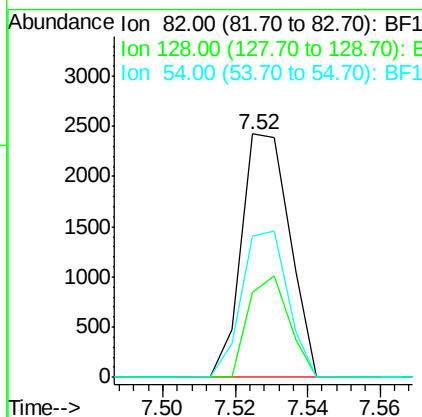
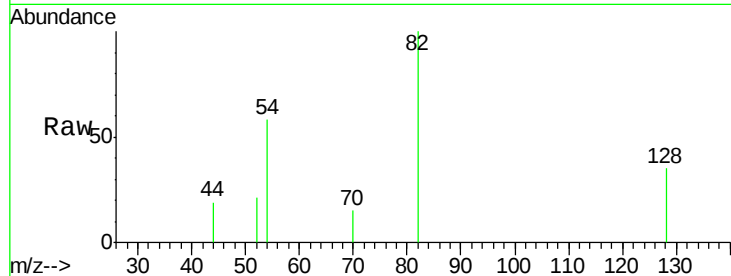
ClientSampleId :

SB02-2 BOT_7DL

Tot Ion:	82	Resp:	2242
Ion Ratio	Lower	Upper	
82	100		
128	35.0	36.1	54.1#
54	57.8	41.4	62.2

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#31

Naphthalene

Concen: 10.876 ng

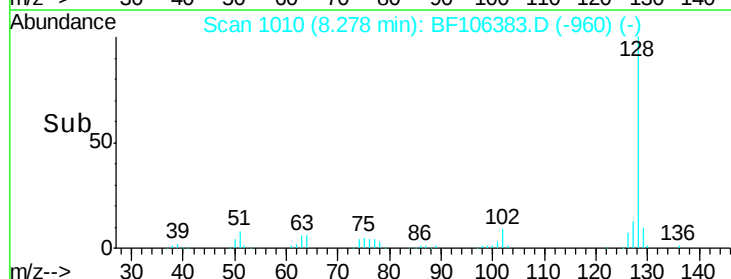
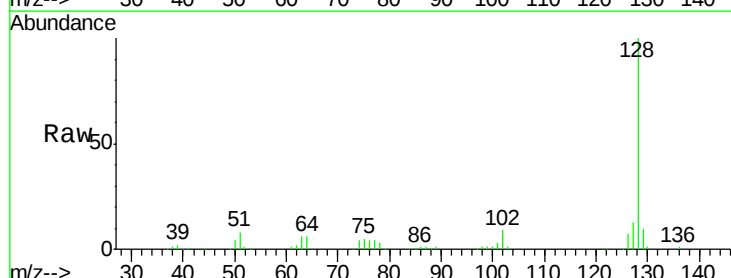
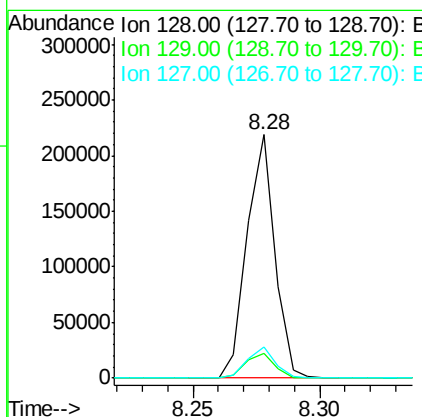
RT: 8.28 min Scan# 1010

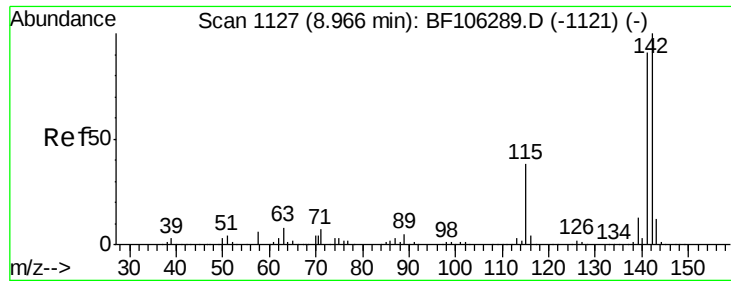
Delta R.T. -0.01 min

Lab File: BF106383.D

Acq: 13 Jun 2018 9:45

Tgt Ion:	128	Resp:	167761
Ion Ratio	Lower	Upper	
128	100		
129	10.4	8.8	13.2
127	12.6	10.9	16.3





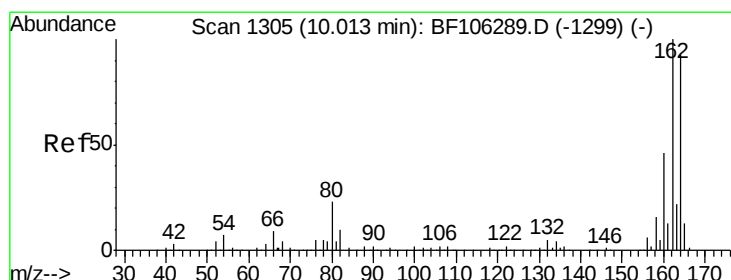
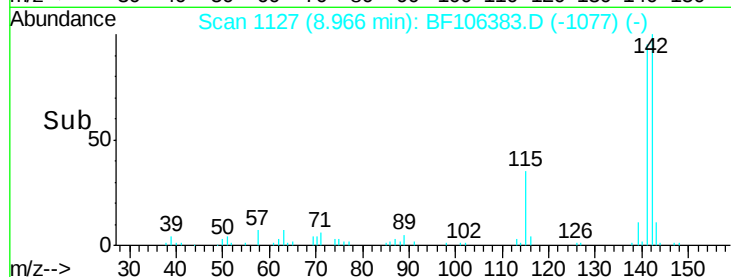
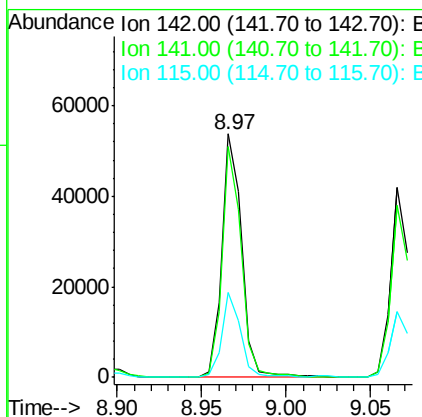
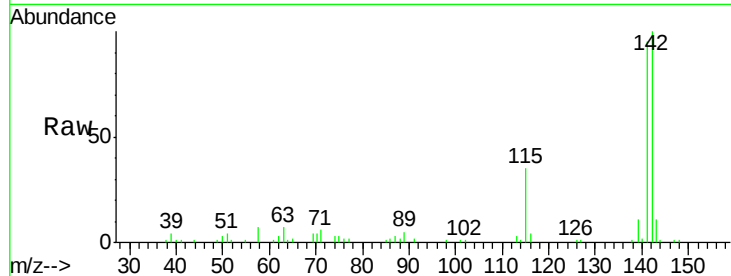
#37
2-Methylnaphthalene
Concen: 4.196 ng
RT: 8.97 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF106383.D
Acq: 13 Jun 2018 9:45

Instrument :
BNA_F
ClientSampleID :
SB02-2 BOT_7DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	94.7	70.8	106.2
115	34.6	26.1	39.1

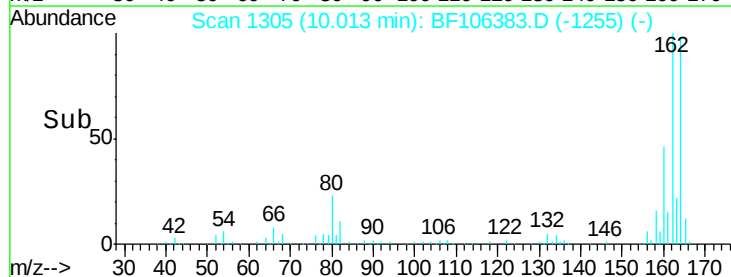
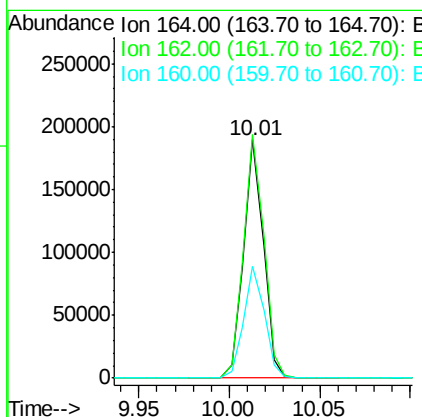
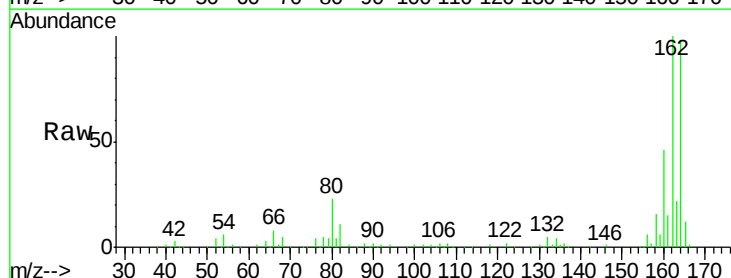
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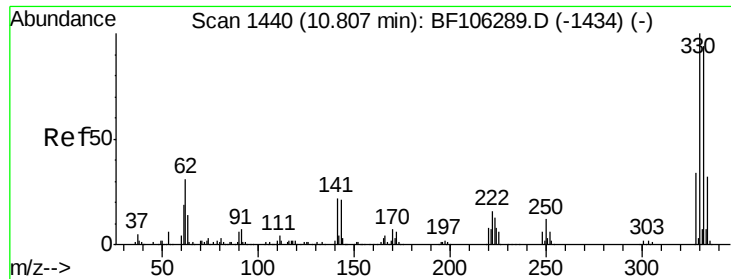
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF106383.D
Acq: 13 Jun 2018 9:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	86.1	129.1
160	46.8	38.3	57.5





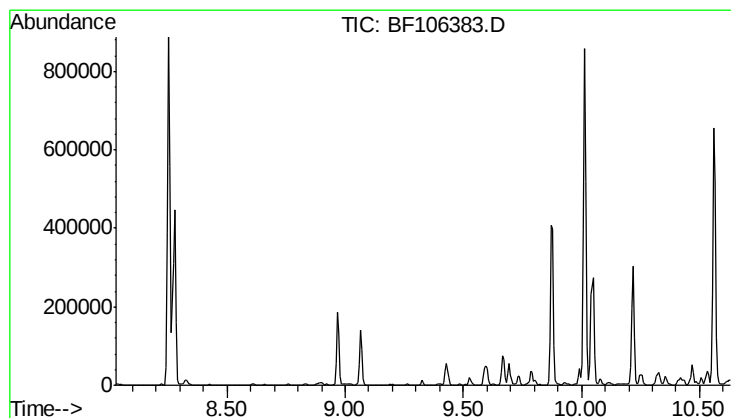
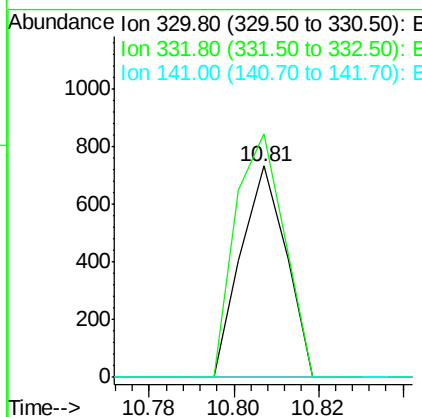
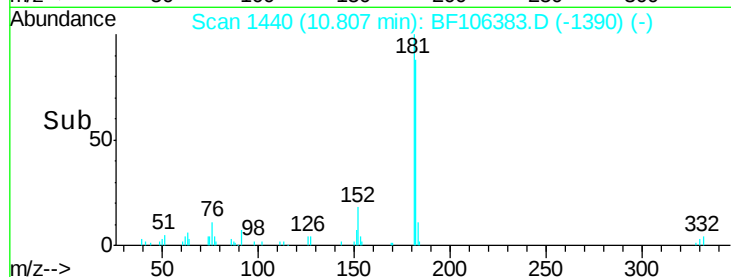
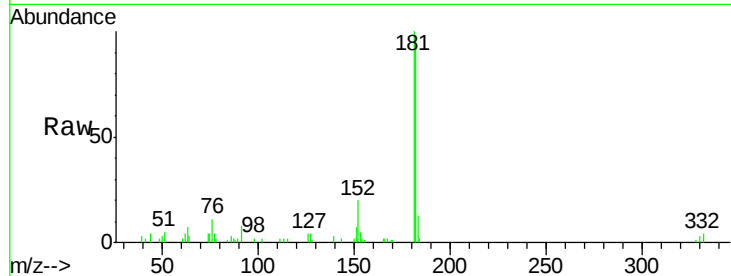
#41
 2,4,6-Tribromophenol
 Concen: 0.392 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF106383.D
 Acq: 13 Jun 2018 9:45

Instrument :
 BNA_F
 ClientSampleId :
 SB02-2 BOT_7DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	123.9	77.0	115.6#
141	0.0	29.9	44.9#

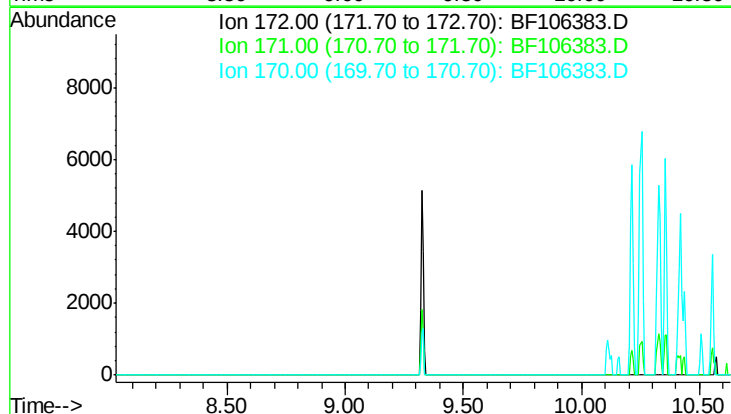
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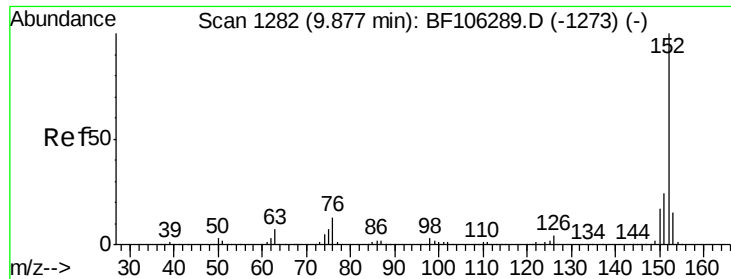
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#44
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 9.33 min
 Lab File: BF106383.D
 Acq: 13 Jun 2018 9:45

Tgt Ion	Exp Ratio
172	100
171	37.1
170	24.5





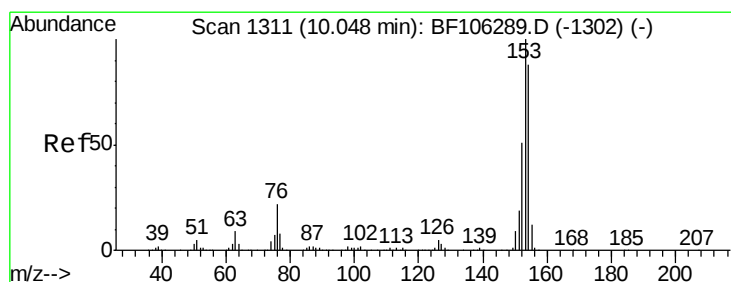
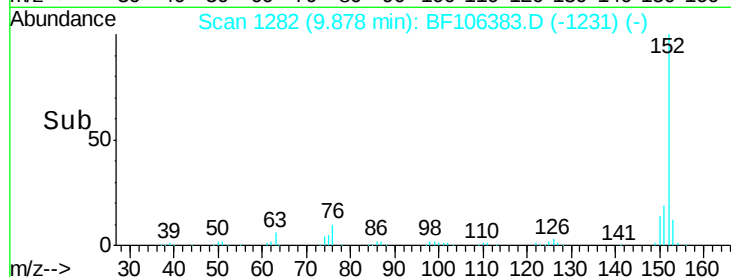
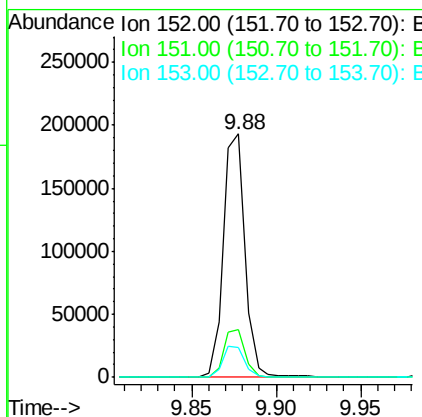
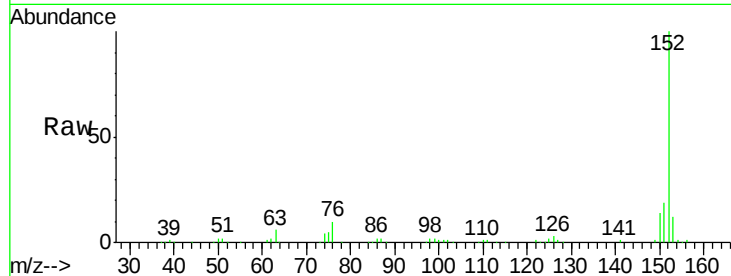
#48
Acenaphthylene
Concen: 12.589 ng
RT: 9.88 min Scan# 1282
Delta R.T. 0.00 min
Lab File: BF106383.D
Acq: 13 Jun 2018 9:45

Instrument :
BNA_F
ClientSampleId :
SB02-2 BOT_7DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		173009		
151	19.5	16.3	24.5		
153	12.5	10.7	16.1		

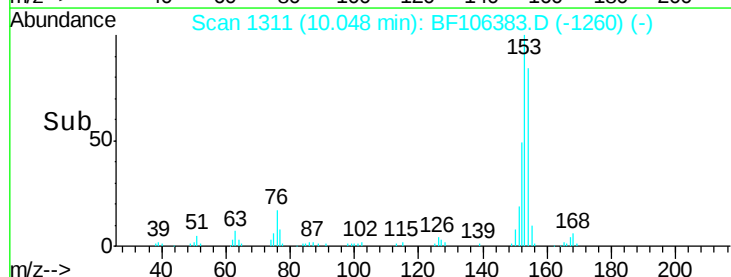
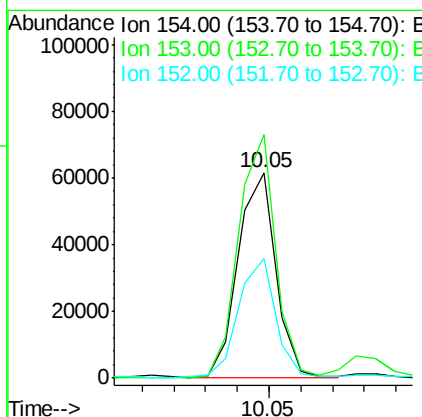
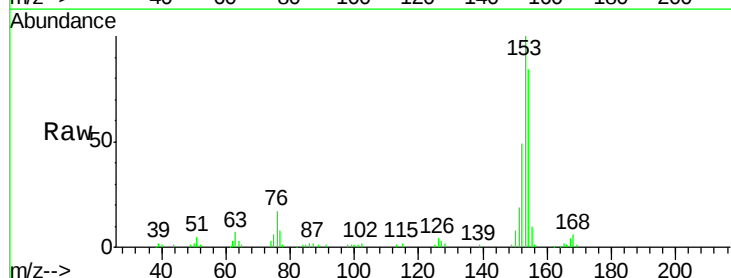
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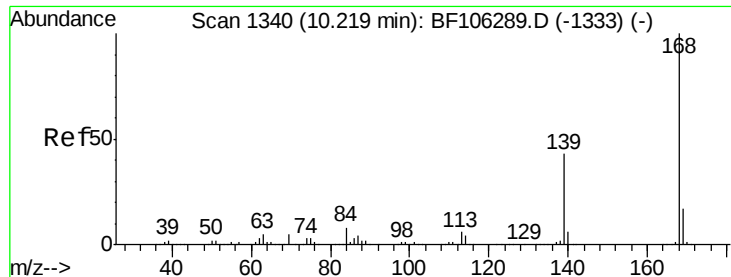
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#51
Acenaphthene
Concen: 5.769 ng
RT: 10.05 min Scan# 1311
Delta R.T. 0.00 min
Lab File: BF106383.D
Acq: 13 Jun 2018 9:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
154	100		51206		
153	118.4	91.2	136.8		
152	57.8	43.8	65.8		





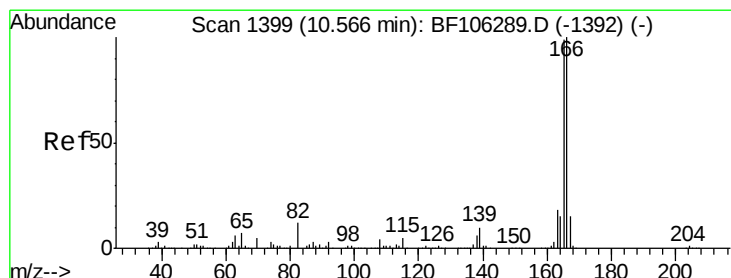
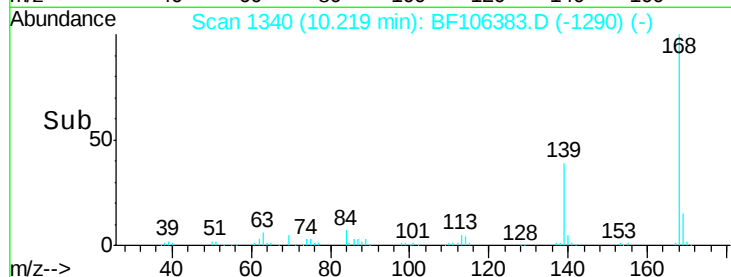
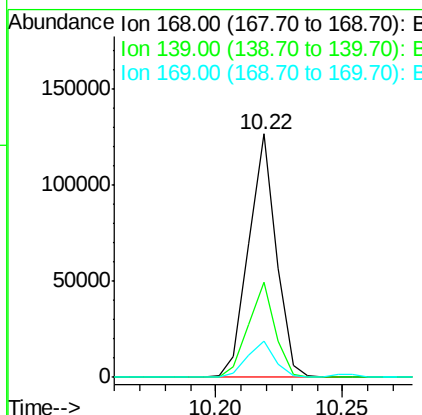
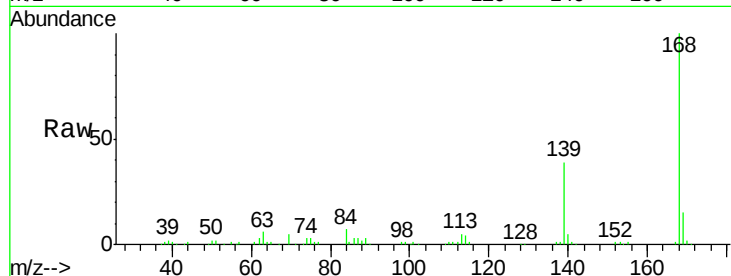
#54
Dibenzenofuran
Concen: 8.013 ng
RT: 10.22 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF106383.D
Acq: 13 Jun 2018 9:45

Instrument :
BNA_F
ClientSampleId :
SB02-2 BOT_7DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.2	30.1	45.1
169	14.9	10.9	16.3

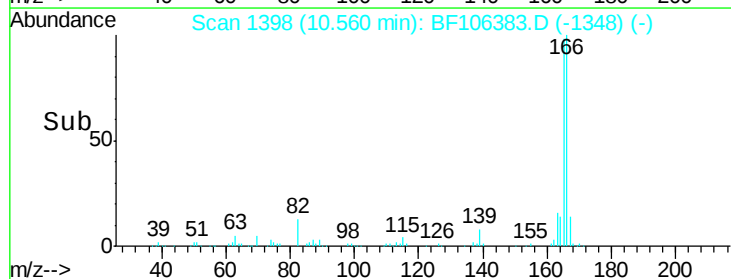
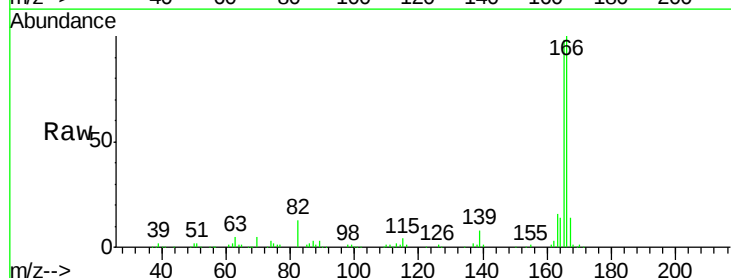
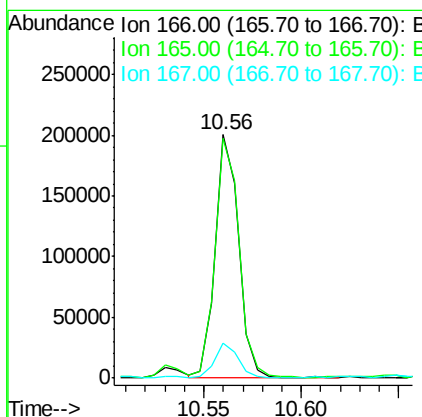
Manual Integrations
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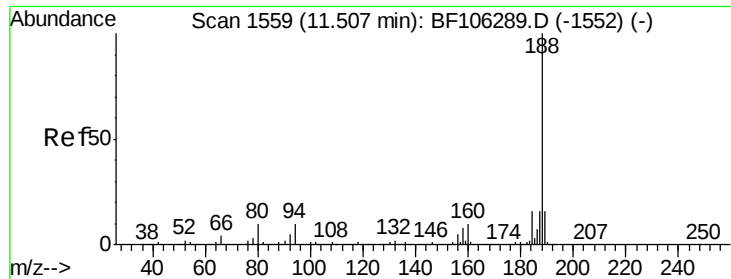
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#57
Fluorene
Concen: 17.654 ng
RT: 10.56 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF106383.D
Acq: 13 Jun 2018 9:45

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.8	119.8
167	14.2	10.6	16.0





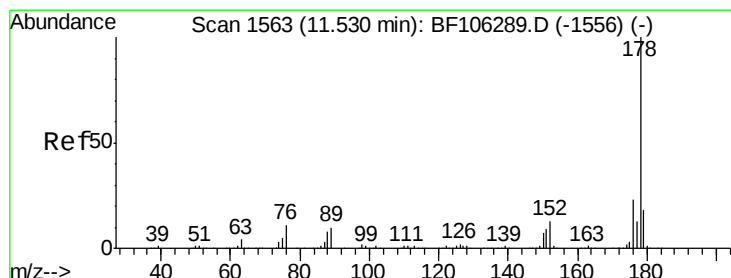
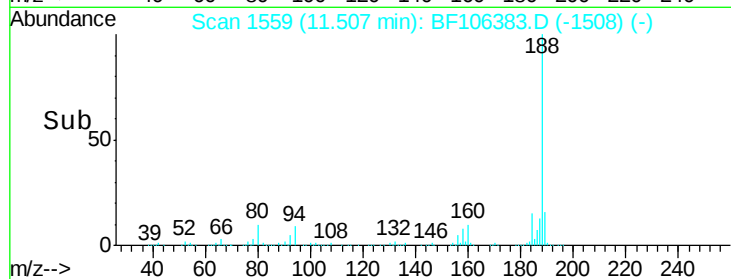
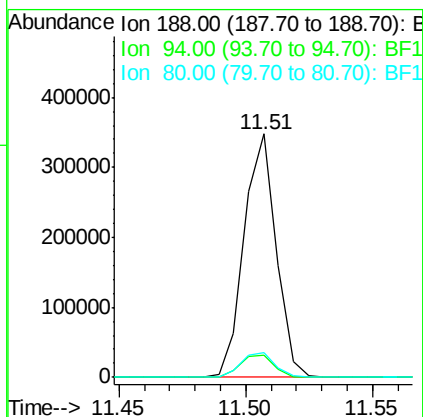
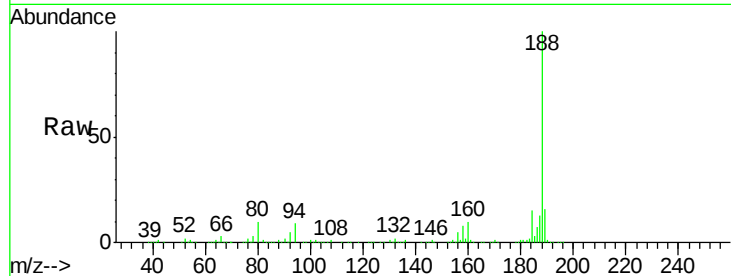
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BF106383.D
Acq: 13 Jun 2018 9:45

Instrument :
BNA_F
ClientSampleId :
SB02-2 BOT_7DL

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

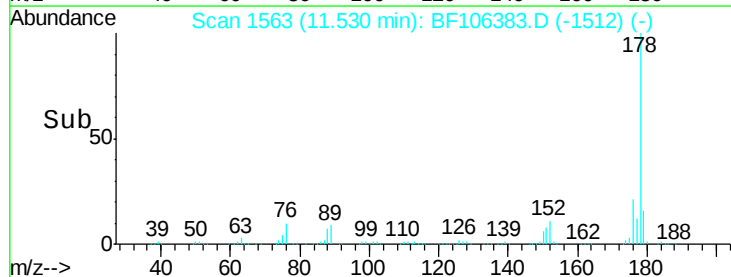
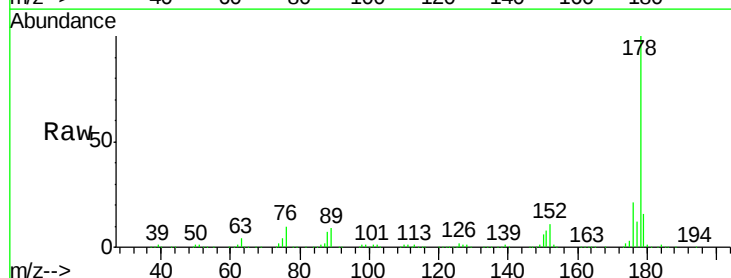
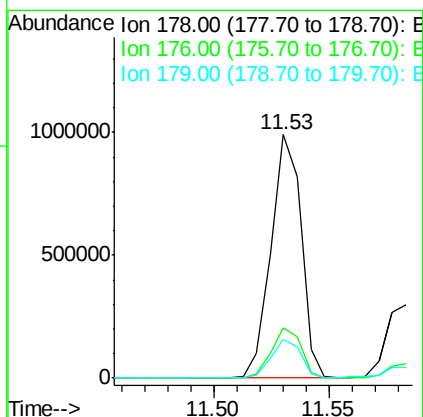
Manual Integrations
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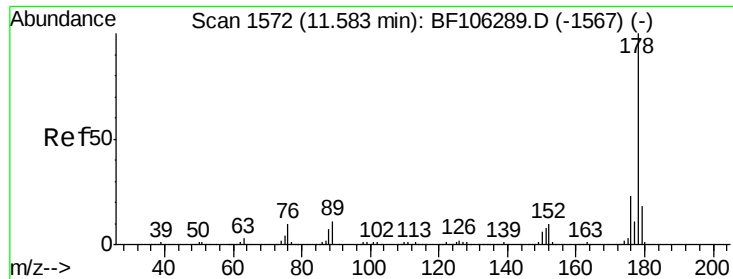
Sohil
6/13/2018 4:56:44 PM



#70
Phenanthrene
Concen: 59.903 ng
RT: 11.53 min Scan# 1563
Delta R.T. 0.00 min
Lab File: BF106383.D
Acq: 13 Jun 2018 9:45

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.8	15.8	23.8
179	16.1	13.0	19.6





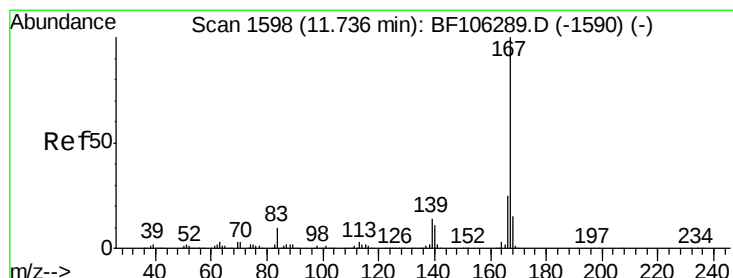
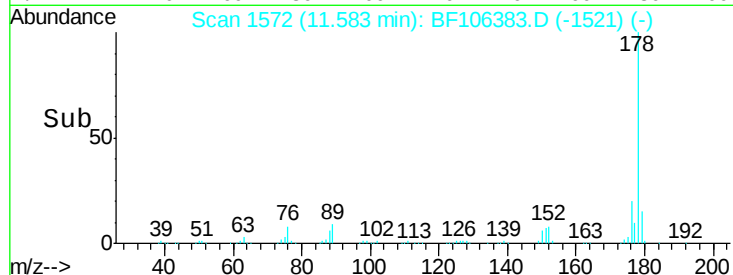
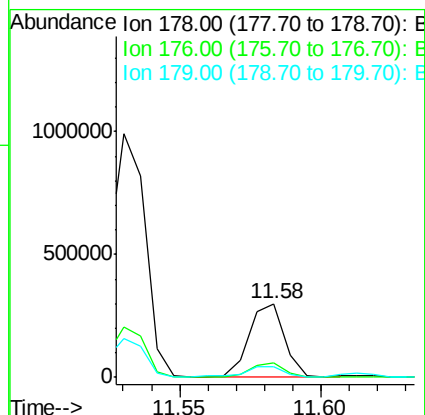
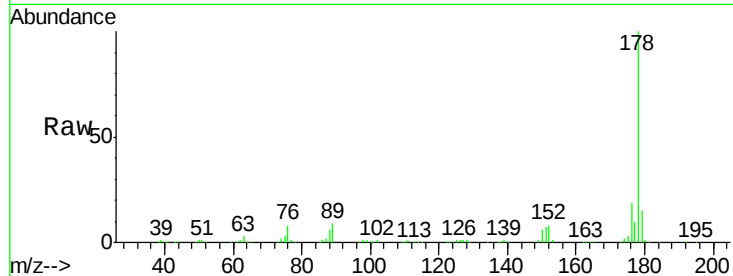
#71
 Anthracene
 Concen: 17.208 ng
 RT: 11.58 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF106383.D
 Acq: 13 Jun 2018 9:45

Instrument :
 BNA_F
 ClientSampleId :
 SB02-2 BOT_7DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	14.9	12.6	19.0

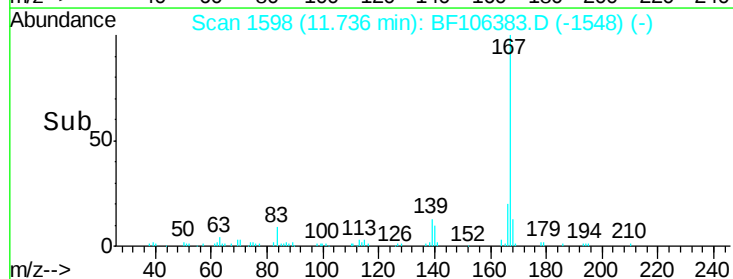
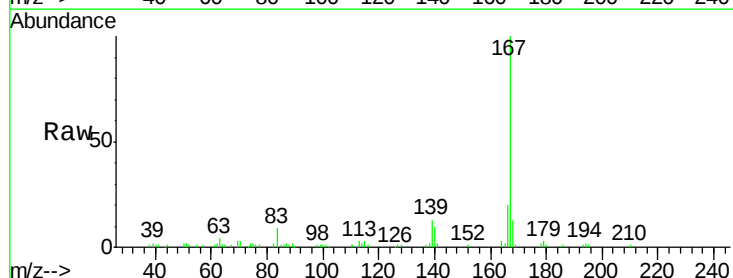
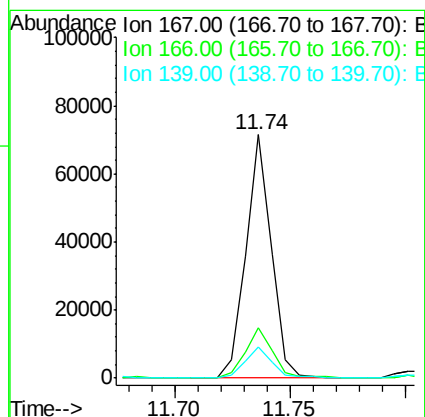
Manual Integrations
 APPROVED

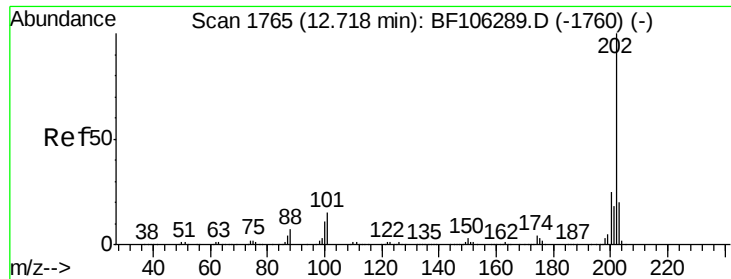
Sohil
 6/13/2018 4:56:44 PM



#72
 Carbazole
 Concen: 3.981 ng
 RT: 11.74 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF106383.D
 Acq: 13 Jun 2018 9:45

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.4	17.6	26.4
139	12.9	10.9	16.3





#74

Fluoranthene

Concen: 75.423 ng

RT: 12.72 min Scan# 1766

Delta R.T. 0.00 min

Lab File: BF106383.D

Acq: 13 Jun 2018 9:45

Instrument :

BNA_F

ClientSampleId :

SB02-2 BOT_7DL

Tot Ion:202 Resp: 1204309

Ion Ratio Lower Upper

202 100

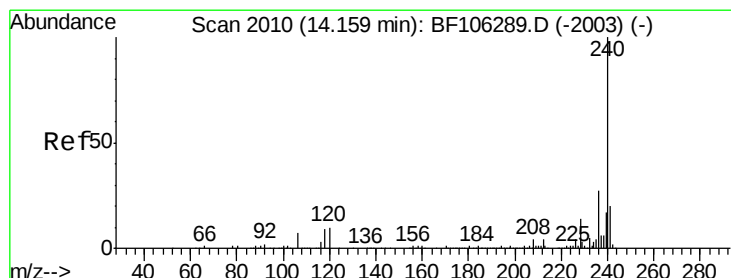
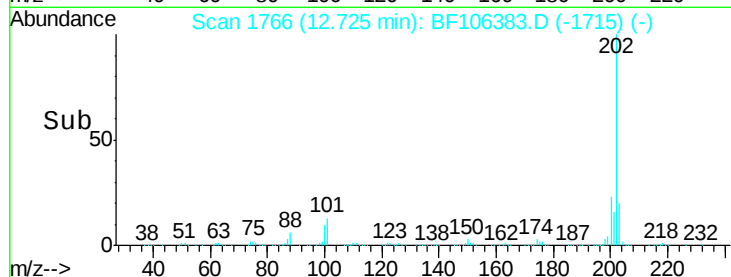
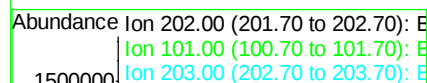
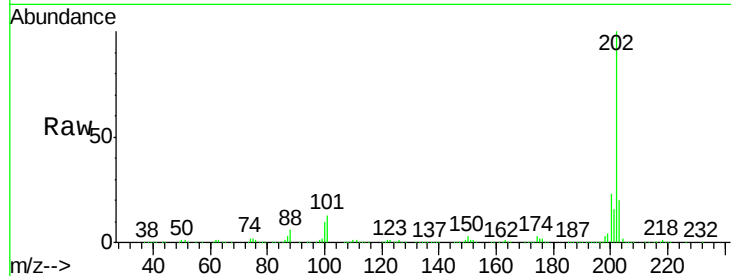
101 12.9 0.0 34.1

203 19.5 0.0 38.1

Manual Integrations
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Sohil

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#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2010

Delta R.T. 0.00 min

Lab File: BF106383.D

Acq: 13 Jun 2018 9:45

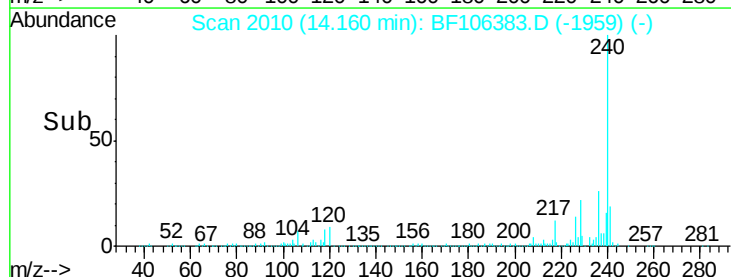
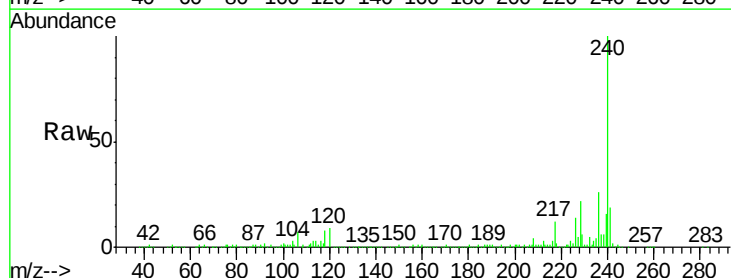
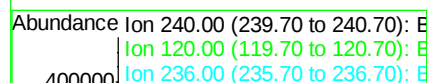
Tgt Ion:240 Resp: 307144

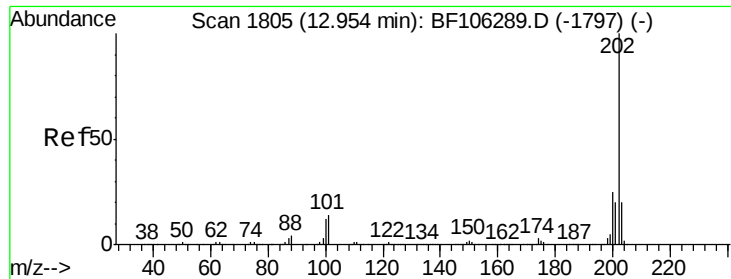
Ion Ratio Lower Upper

240 100

120 8.9 9.5 14.3#

236 26.5 20.7 31.1





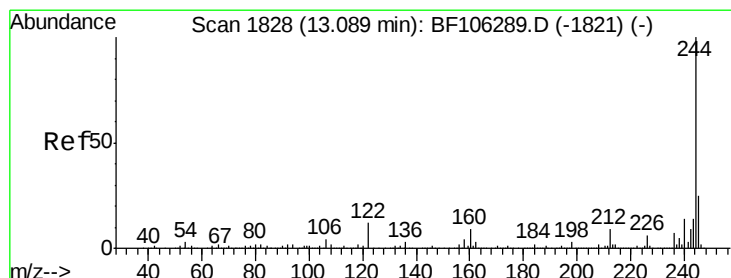
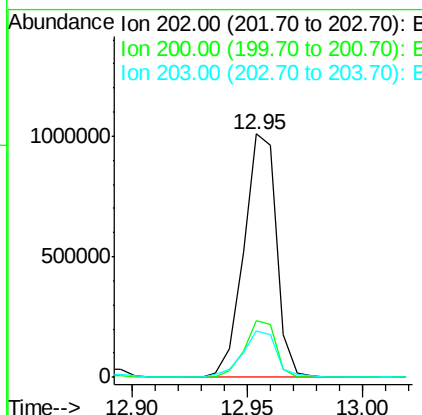
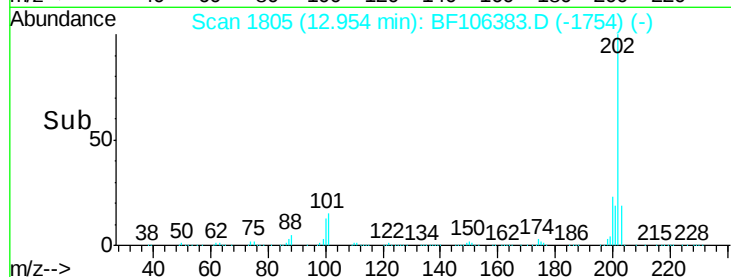
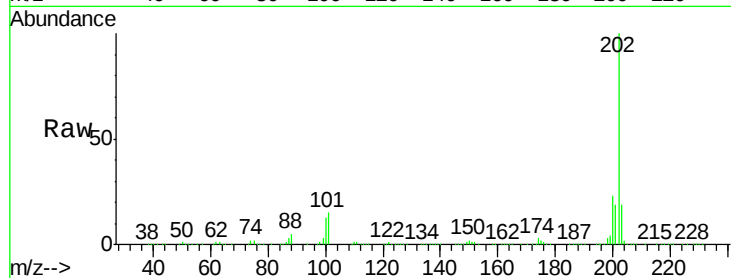
#77
Pvrene
Concen: 51.765 ng
RT: 12.95 min Scan# 1805
Delta R.T. 0.00 min
Lab File: BF106383.D
Acq: 13 Jun 2018 9:45

Instrument :
BNA_F
ClientSampleId :
SB02-2 BOT_7DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	23.3	17.4	26.2
203	19.0	14.3	21.5

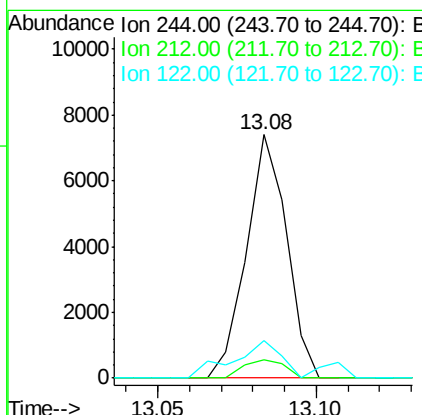
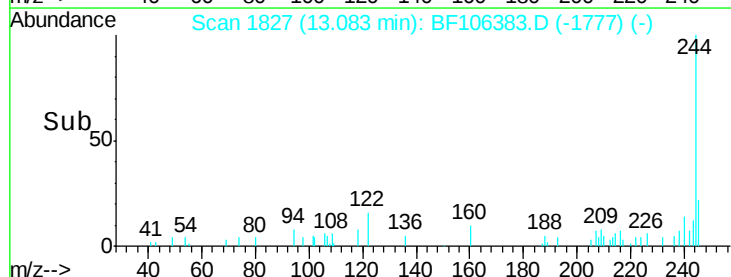
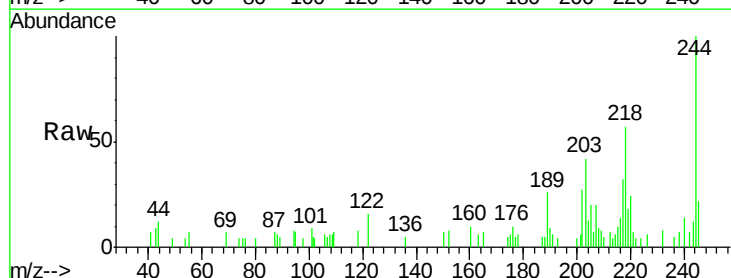
Manual Integrations
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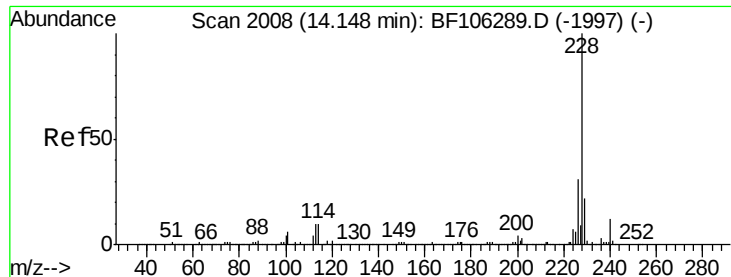
Sohil
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#78
Terphenyl-d14
Concen: 0.527 ng
RT: 13.08 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BF106383.D
Acq: 13 Jun 2018 9:45

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.4	5.4	8.0
122	15.6	11.0	16.4





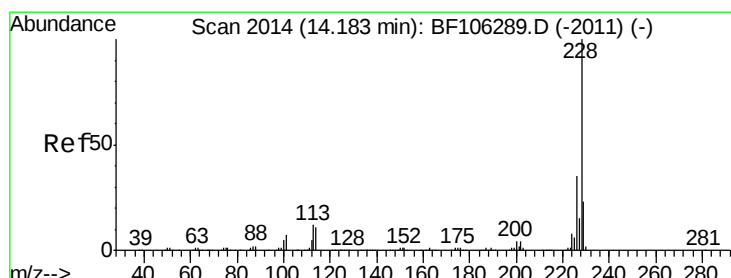
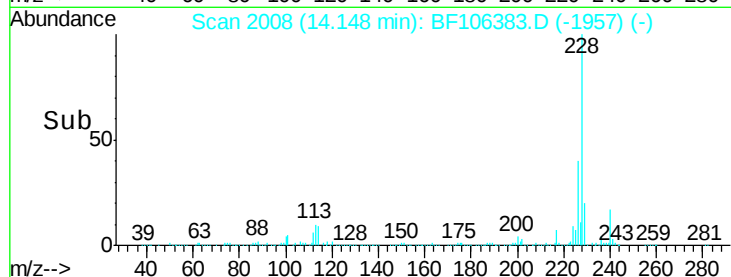
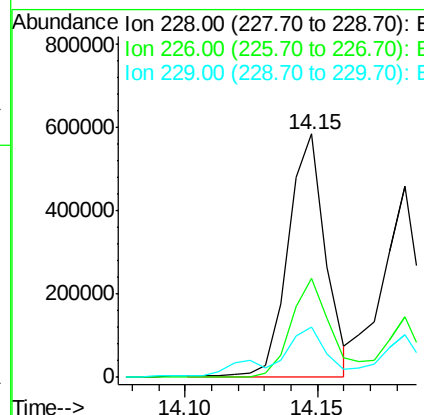
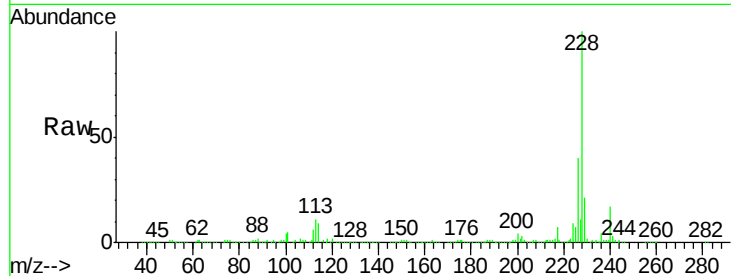
#80
Benzo(a)anthracene
Concen: 31.515 ng m
RT: 14.15 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF106383.D
Acq: 13 Jun 2018 9:45

Instrument :
BNA_F
ClientSampleId :
SB02-2 BOT_7DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	40.5	22.6	33.8#
229	20.6	15.8	23.6

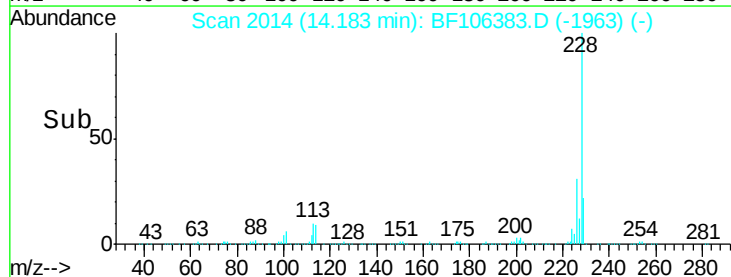
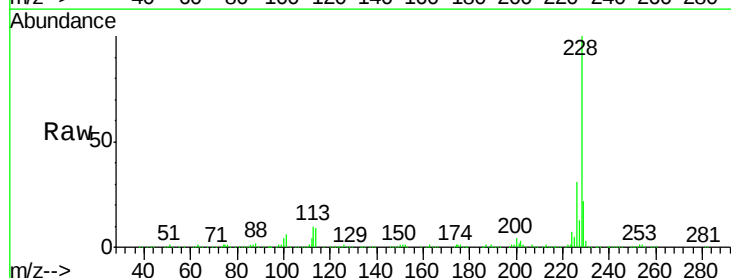
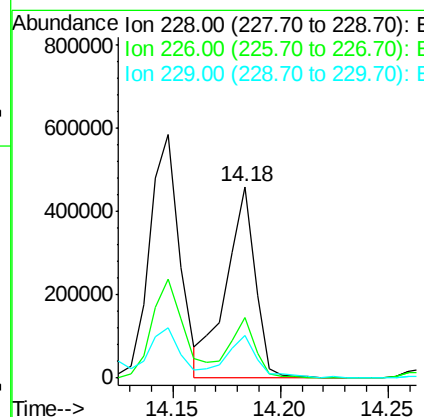
Manual Integrations
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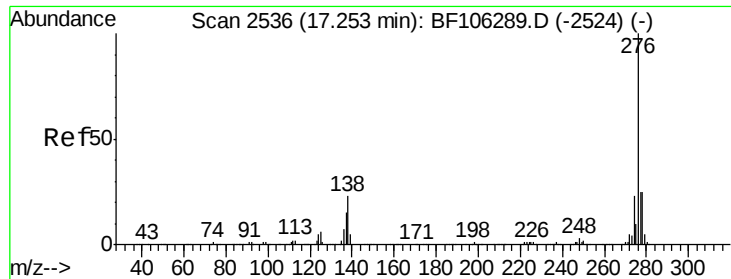
Sohil
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#82
Chrysene
Concen: 26.339 ng m
RT: 14.18 min Scan# 2014
Delta R.T. 0.00 min
Lab File: BF106383.D
Acq: 13 Jun 2018 9:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	22.3	16.2	24.4





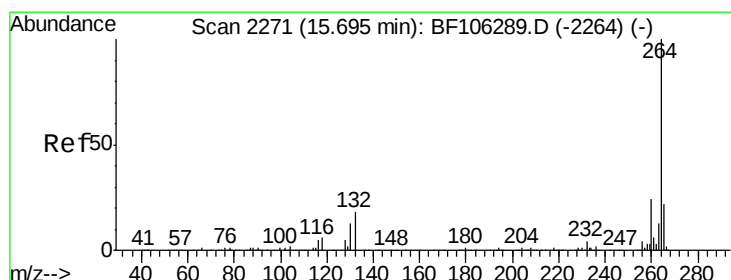
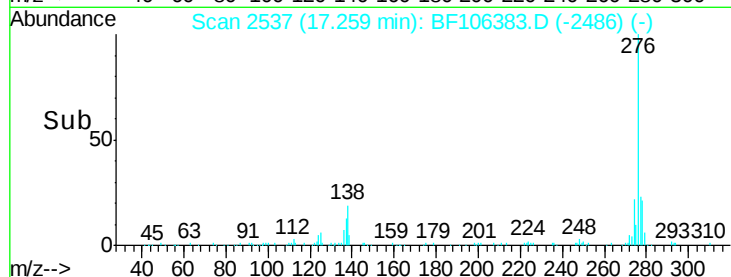
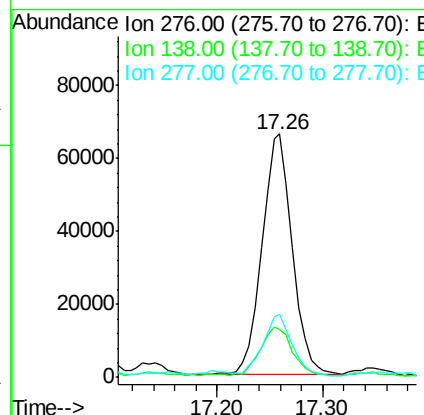
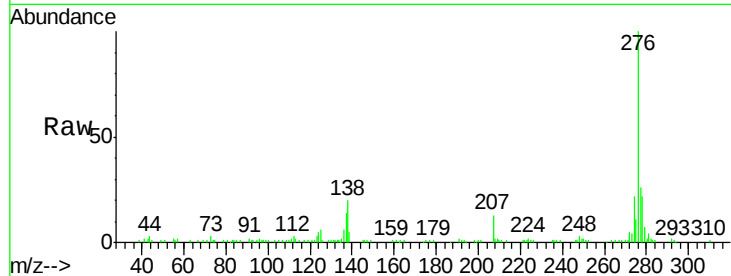
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.900 ng/ml
RT: 17.26 min Scan# 2537
Delta R.T. 0.00 min
Lab File: BF106383.D
Acq: 13 Jun 2018 9:45

Instrument :
BNA_F
ClientSampleId :
SB02-2 BOT_7DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	1.2	25.0	37.6#
277	1.2	20.1	30.1#

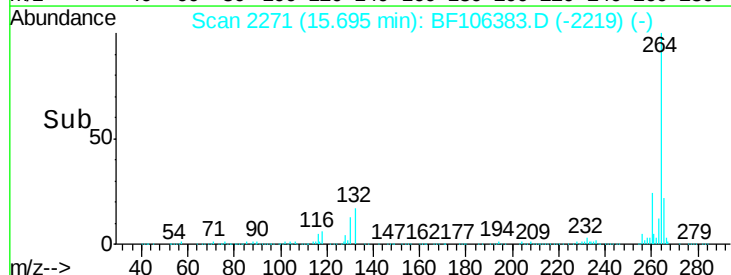
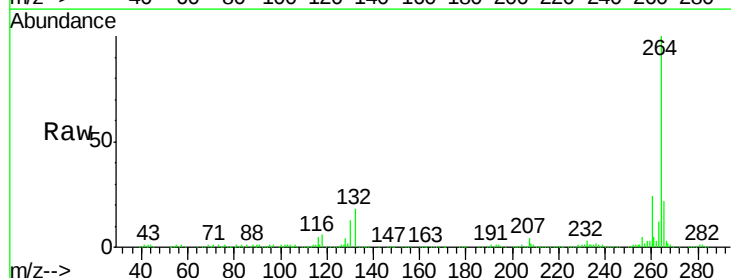
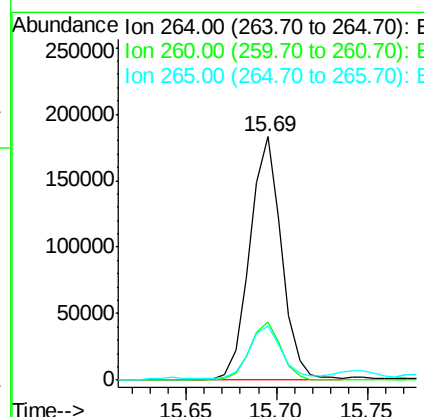
Manual Integrations
APPROVED

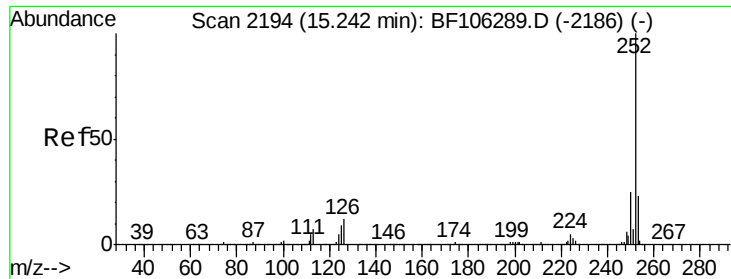
Sohil
6/13/2018 4:56:44 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF106383.D
Acq: 13 Jun 2018 9:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.4	17.5	26.3





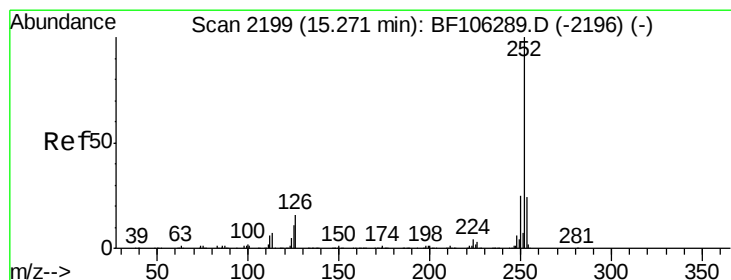
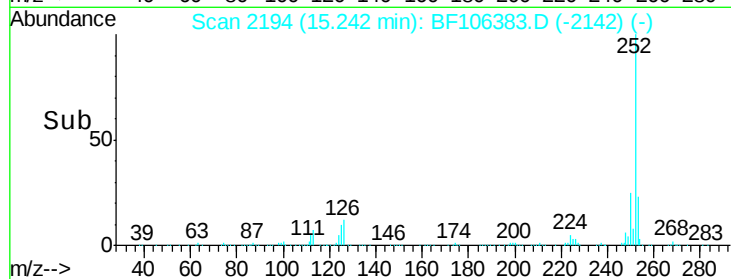
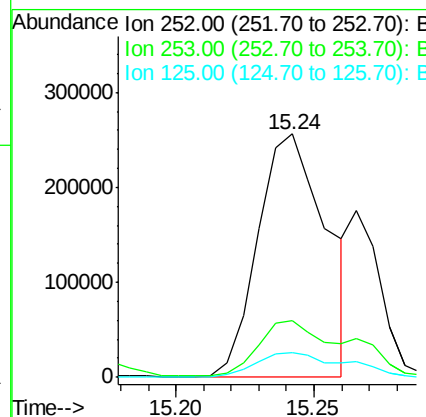
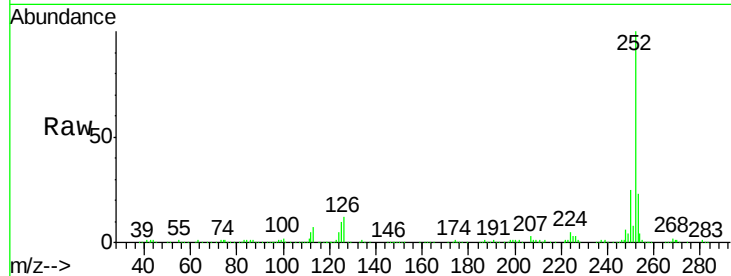
#87
Benzo(b)fluoranthene
Concen: 32.924 ng m
RT: 15.24 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF106383.D
Acq: 13 Jun 2018 9:45

Instrument :
BNA_F
ClientSampleId :
SB02-2 BOT_7DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	10.2	9.0	13.6

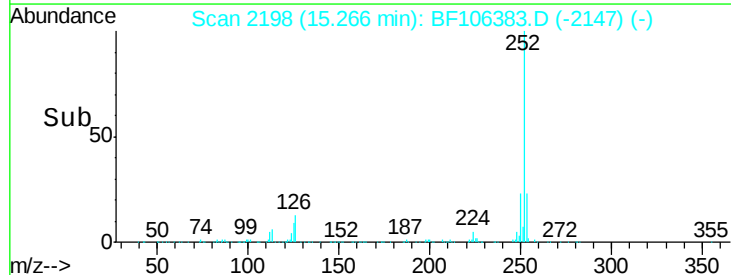
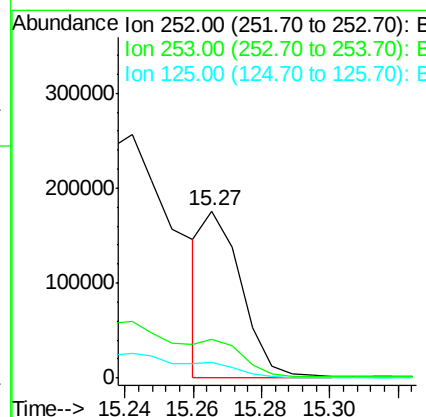
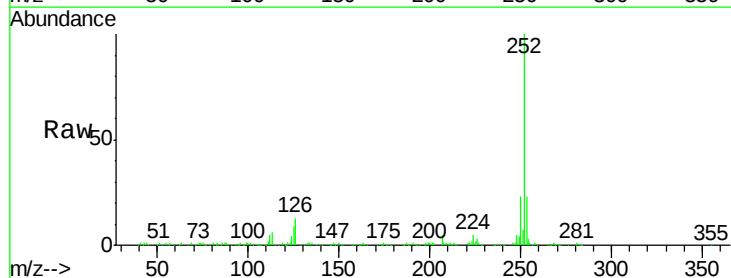
Manual Integrations
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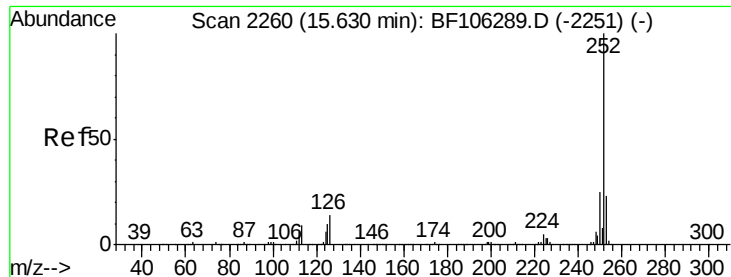
Sohil
6/13/2018 4:56:44 PM



#88
Benzo(k)fluoranthene
Concen: 10.393 ng m
RT: 15.27 min Scan# 2198
Delta R.T. 0.00 min
Lab File: BF106383.D
Acq: 13 Jun 2018 9:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	9.3	10.2	15.2#





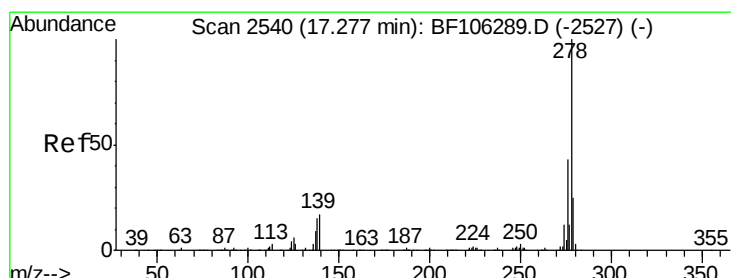
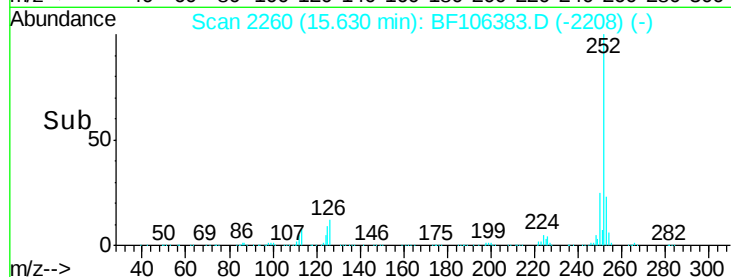
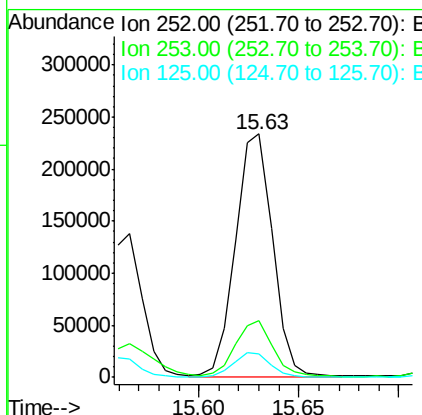
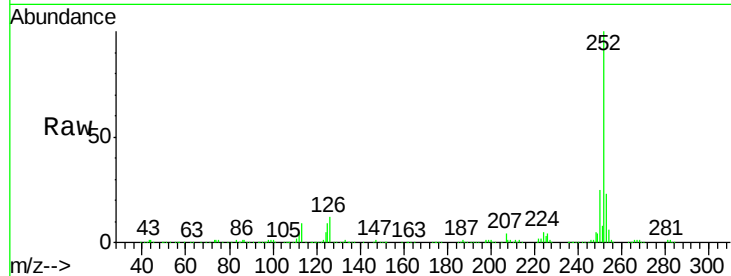
#89
Benzo(a)pyrene
Concen: 24.905 ng m
RT: 15.63 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF106383.D
Acq: 13 Jun 2018 9:45

Instrument :
BNA_F
ClientSampleId :
SB02-2 BOT_7DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	9.5	9.8	14.6

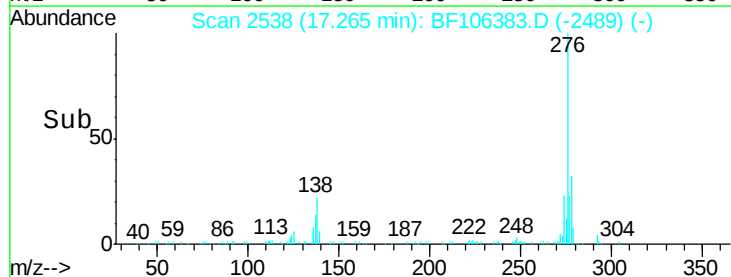
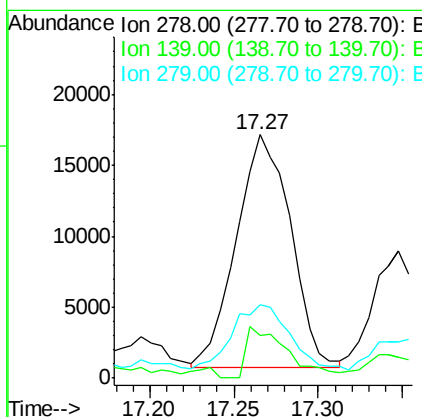
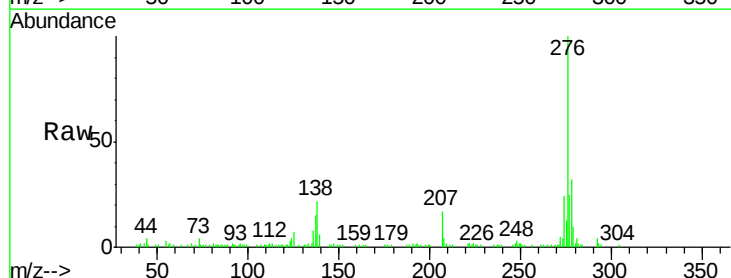
Manual Integrations
APPROVED

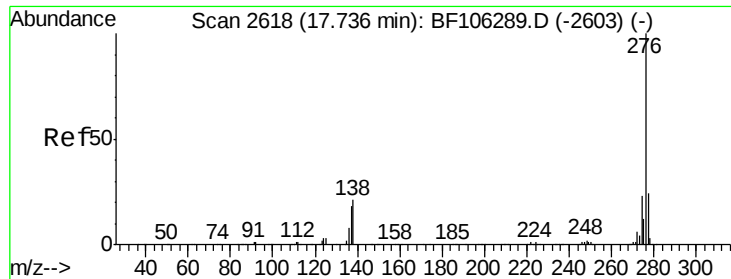
Sohil
6/13/2018 4:56:44 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.658 ng m
RT: 17.27 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BF106383.D
Acq: 13 Jun 2018 9:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.5	15.9	23.9
279	30.4	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 11.522 ng
 RT: 17.74 min Scan# 2618
 Delta R.T. 0.00 min
 Lab File: BF106383.D
 Acq: 13 Jun 2018 9:45

Instrument :
 BNA_F
 ClientSampleId :
 SB02-2 BOT_7DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.7	17.9	26.9
138	21.8	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 6/13/2018 4:56:44 PM

