

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
 Data File : BF104578.D
 Acq On : 17 Apr 2018 22:49
 Operator : JU/SJ
 Sample : J2387-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20180246-AMEND-COMP-C

Manual Integrations
 APPROVED

Sohil
 4/18/2018 3:01:11 PM

Quant Time: Apr 18 02:21:05 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 17 17:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	152485	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	591934	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	236171	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	364028	20.00	ng	0.00
75) Chrysene-d12	13.99	240	281535	20.00	ng	0.00
86) Perylene-d12	15.45	264	221064	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	289107	28.99	ng	0.00
7) Phenol-d6	6.44	99	775402	63.28	ng	0.00
23) Nitrobenzene-d5	7.37	82	609363	67.22	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	48595	19.84	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	790684	52.89	ng	0.00
78) Terphenyl-d14	12.92	244	691904	56.03	ng	0.00
Target Compounds						
10) Phenol	6.45	94	49919	3.840	ng	98
31) Naphthalene	8.11	128	64733	2.196	ng	98
48) Acenaphthylene	9.70	152	270270	10.992	ng	100
49) Dimethylphthalate	9.56	163	113523	6.096	ng	# 99
51) Acenaphthene	9.87	154	47790	3.186	ng	99
57) Fluorene	10.39	166	45153	2.967	ng	95
70) Phenanthrene	11.36	178	243242	11.999	ng	100
71) Anthracene	11.41	178	272237	13.211	ng	99
74) Fluoranthene	12.55	202	590234	27.866	ng	99
77) Pyrene	12.78	202	847143	40.595	ng	99
80) Benzo(a)anthracene	13.97	228	581535m	34.576	ng	
82) Chrysene	14.01	228	577572m	33.432	ng	
83) Bis(2-ethylhexyl)phthalate	13.96	149	36925	2.920	ng	98
85) Indeno(1,2,3-cd)pyrene	16.90	276	172879	11.780	ng	95
87) Benzo(b)fluoranthene	15.03	252	471636m	33.780	ng	
88) Benzo(k)fluoranthene	15.05	252	107305m	8.141	ng	
89) Benzo(a)pyrene	15.39	252	465934	37.297	ng	# 95
90) Dibenzo(a,h)anthracene	16.90	278	54680m	5.329	ng	
91) Benzo(a,h,i)perylene	17.34	276	179649	18.073	ng	98

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

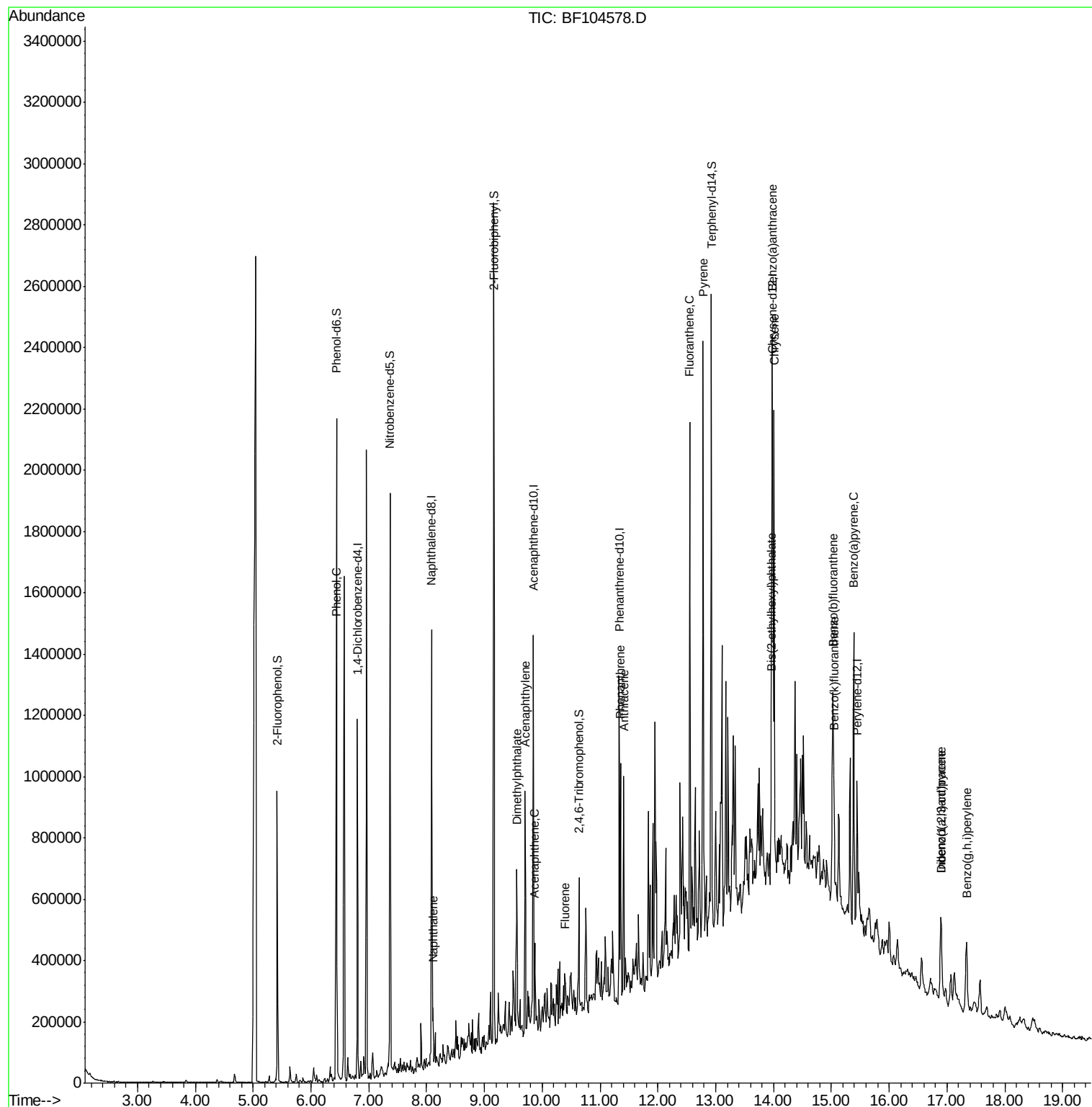
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
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ALS Vial : 19 Sample Multiplier: 1

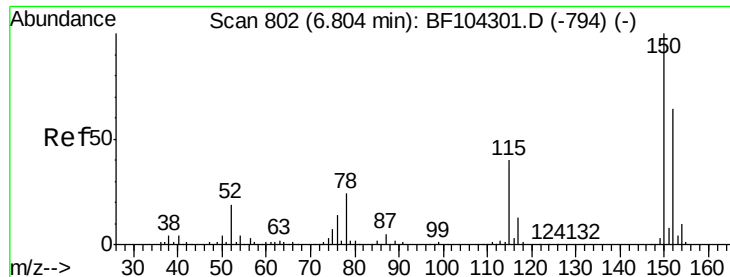
Instrument :
BNA_F
ClientSampleId :
20180246-AMEND-COMP-C

Manual Integrations
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#1

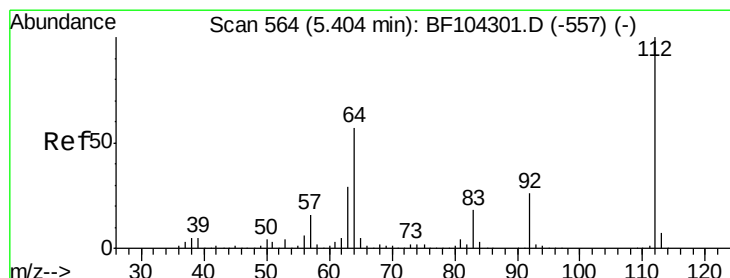
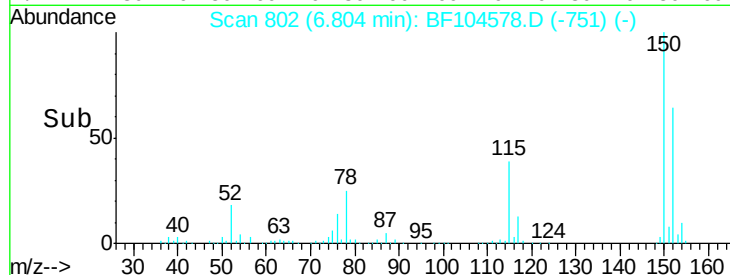
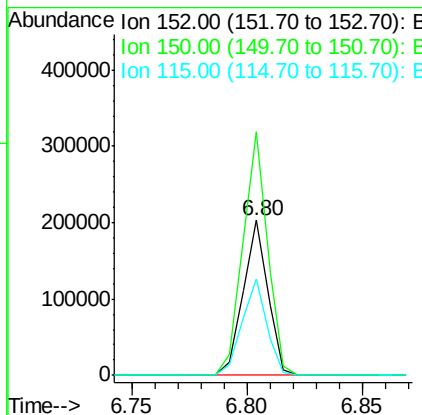
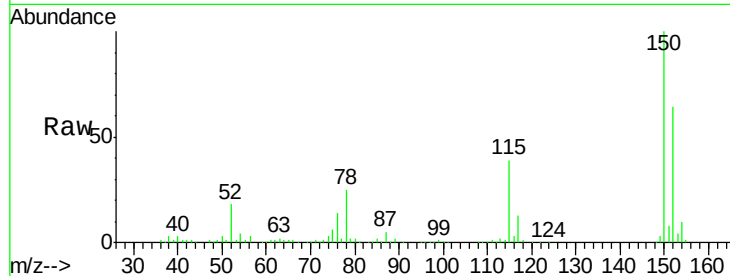
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104578.D
Acq: 17 Apr 2018 22:49

Instrument :
BNA_F
ClientSampleId :
20180246-AMEND-COMP-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.6	186.8
115	61.9	50.1	75.1

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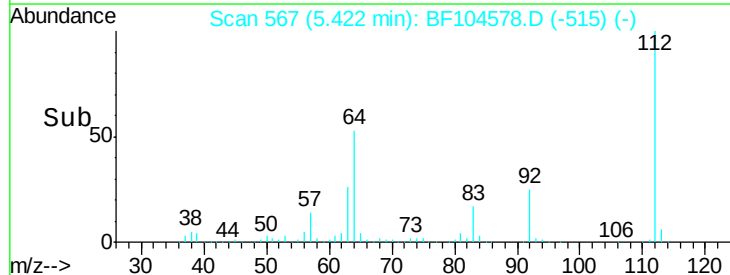
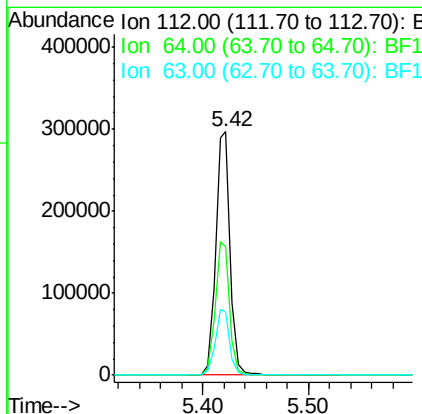
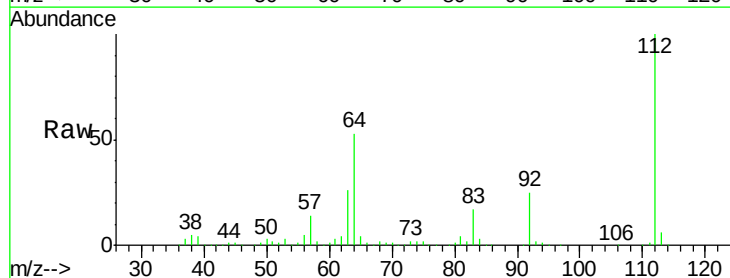
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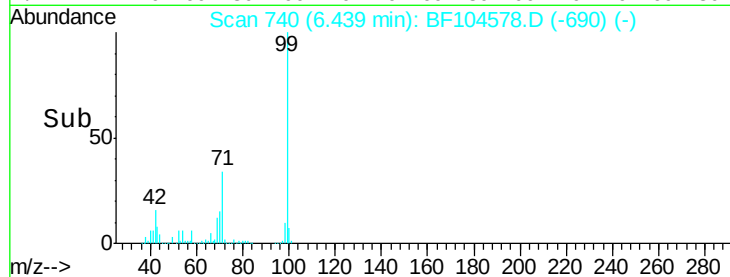
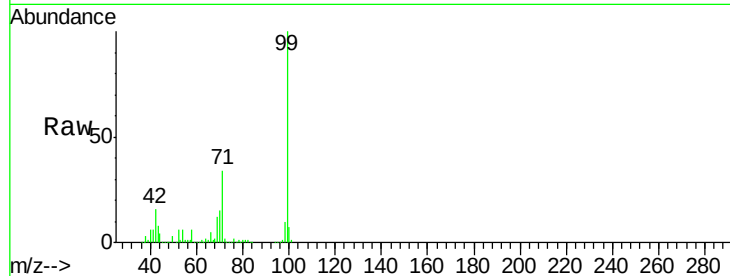
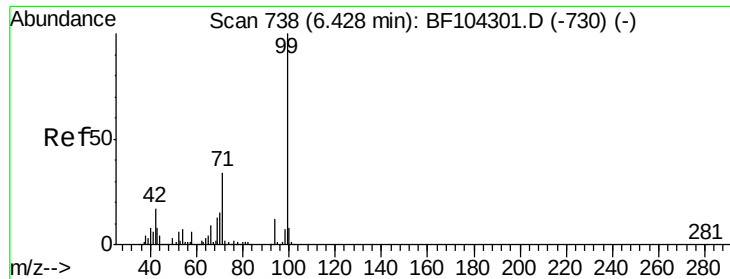


#5

2-Fluorophenol
Concen: 28.990 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104578.D
Acq: 17 Apr 2018 22:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.5	47.9	71.9
63	26.0	23.7	35.5





#7

Phenol-d6

Concen: 63.283 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

Tot Ion:	99	Resp:	775402
Ion Ratio	Lower	Upper	
99	100		
42	16.0	14.5	21.7
71	33.8	25.4	38.0

Instrument :

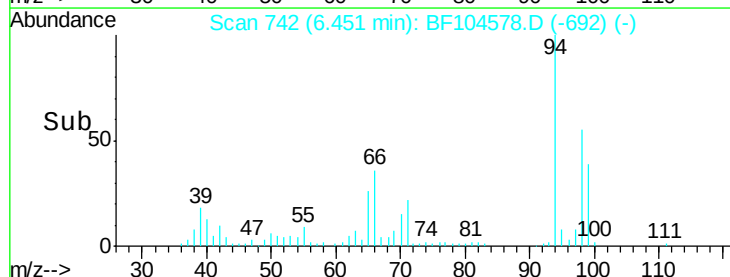
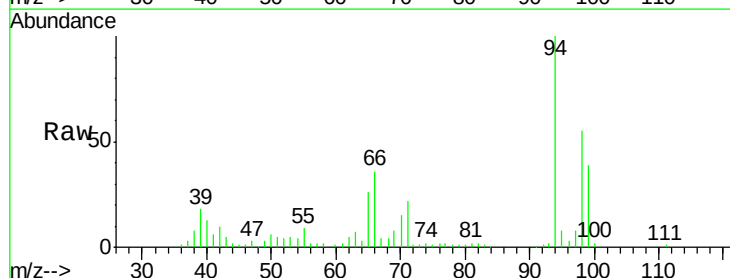
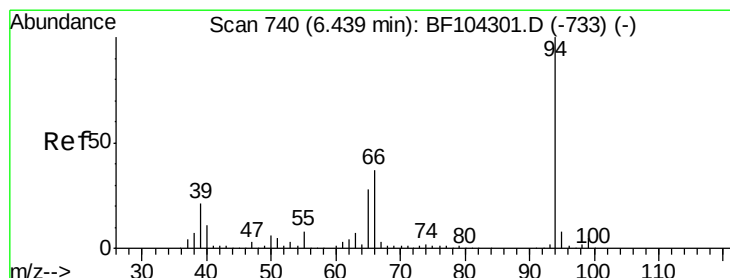
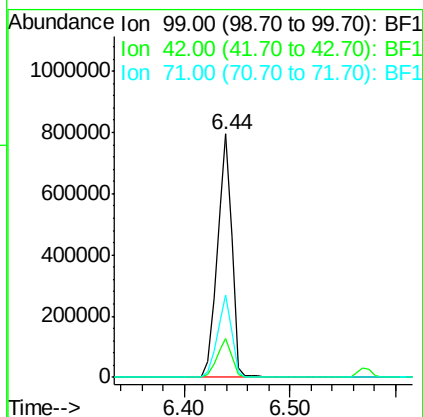
BNA_F

ClientSampleId :

20180246-AMEND-COMP-C

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#10

Phenol

Concen: 3.840 ng

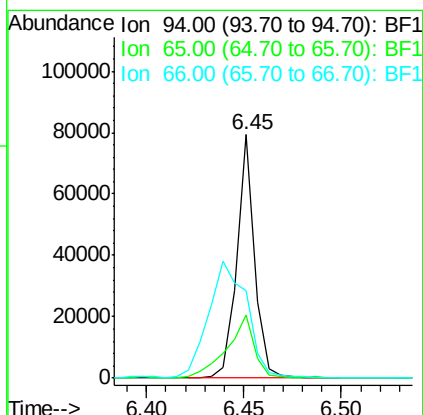
RT: 6.45 min Scan# 742

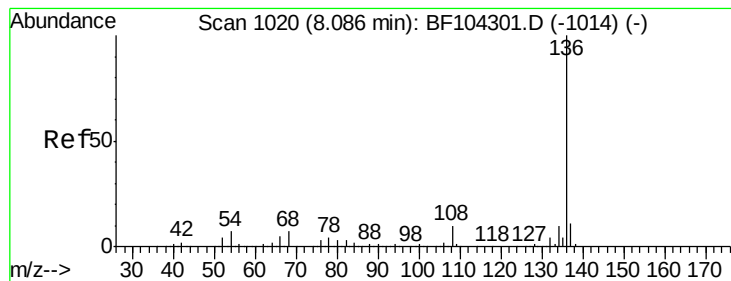
Delta R.T. -0.01 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

Tgt Ion:	94	Resp:	49919
Ion Ratio	Lower	Upper	
94	100		
65	25.7	7.9	47.9
66	35.9	16.2	56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

Instrument :

BNA_F

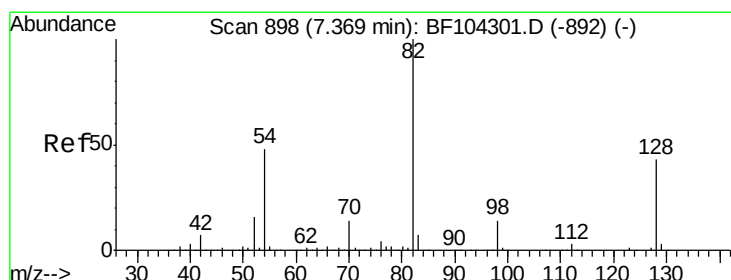
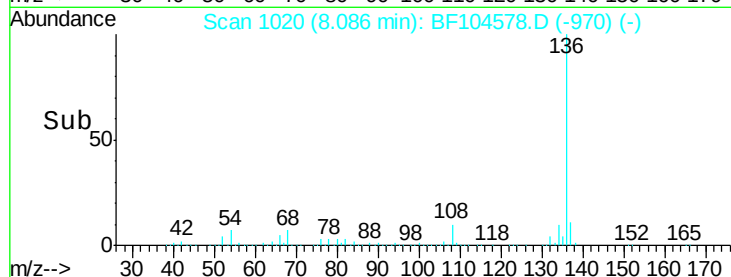
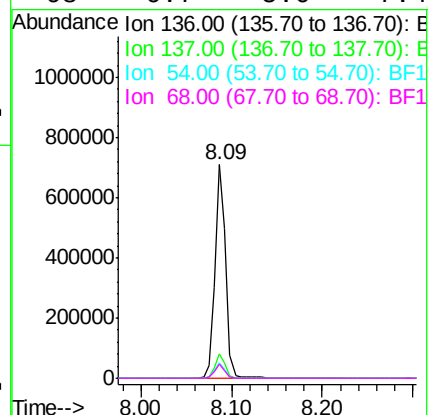
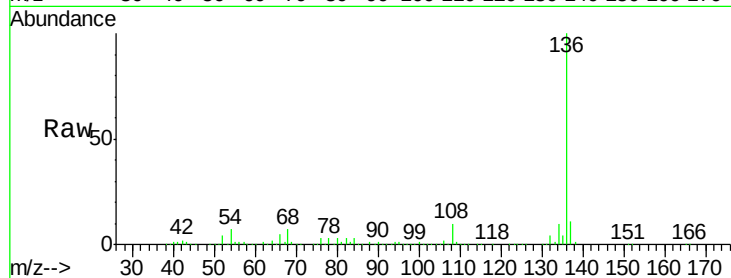
ClientSampleId :

20180246-AMEND-COMP-C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		591934		
137	11.2	8.9	13.3		
54	7.2	6.6	9.8		
68	6.7	5.0	7.4		

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#23

Nitrobenzene-d5

Concen: 67.221 ng

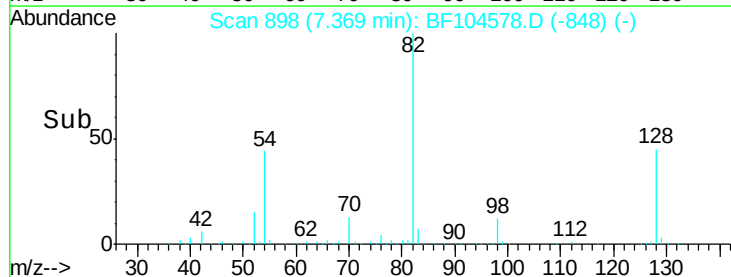
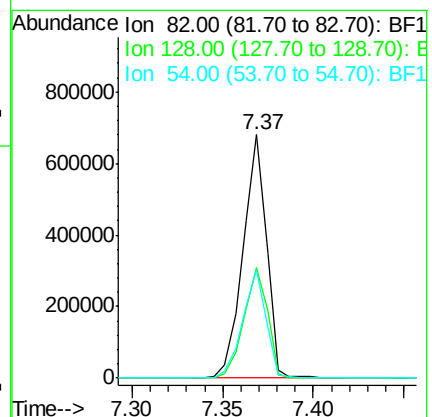
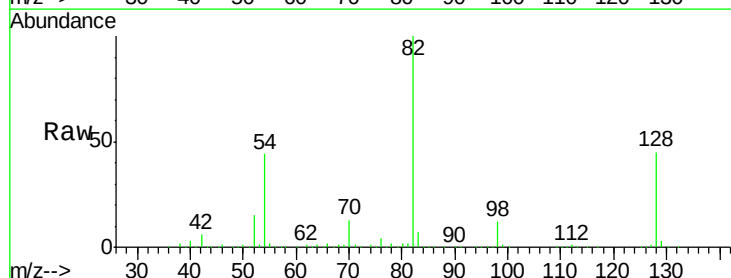
RT: 7.37 min Scan# 898

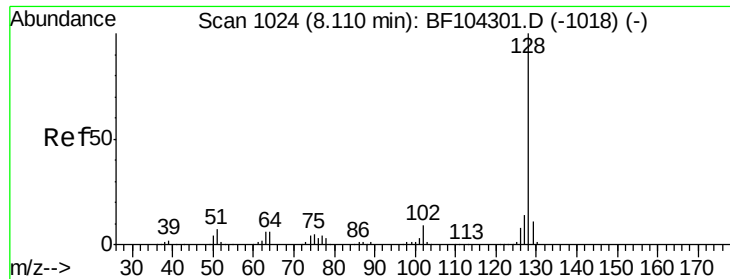
Delta R.T. -0.01 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		609363		
128	45.4	36.1	54.1		
54	44.4	41.4	62.2		





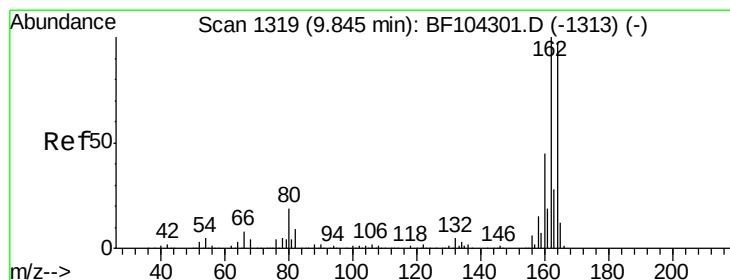
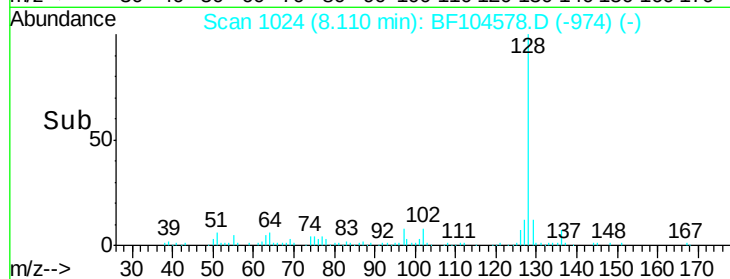
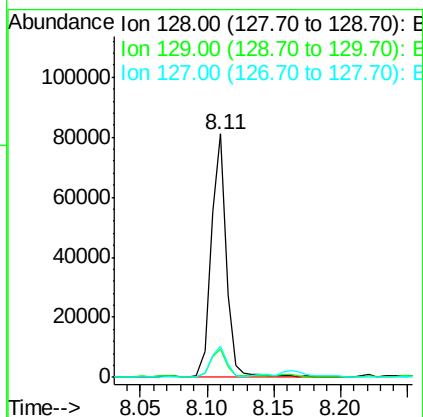
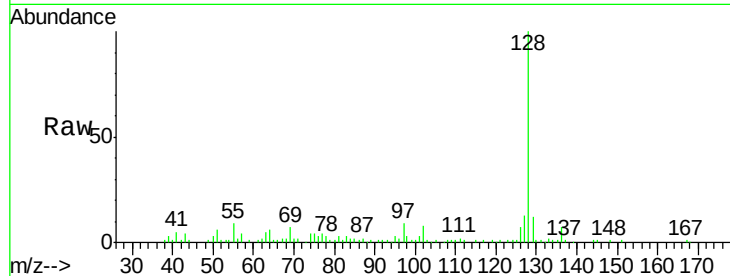
#31
Naphthalene
Concen: 2.196 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF104578.D
Acq: 17 Apr 2018 22:49

Instrument :
BNA_F
ClientSampleId :
20180246-AMEND-COMP-C

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.8	13.2
127	12.7	10.9	16.3

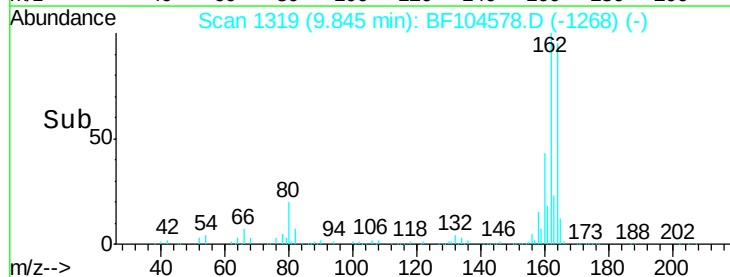
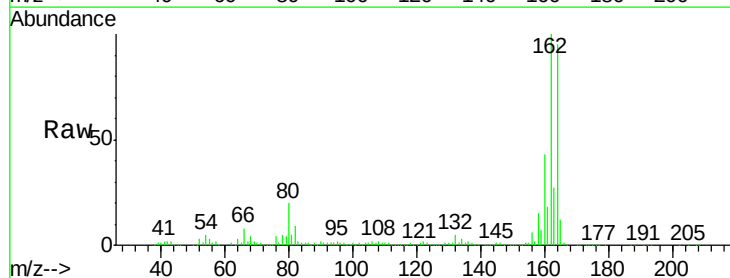
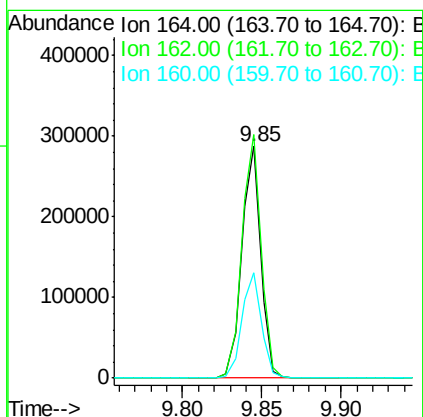
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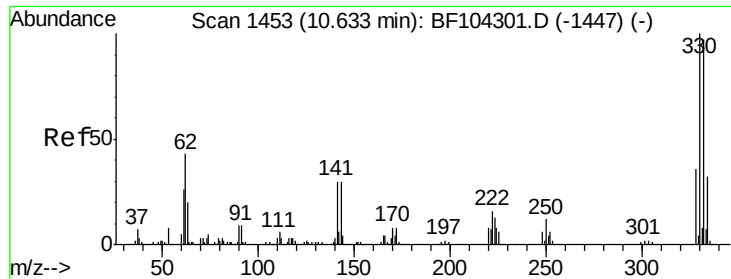
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BF104578.D
Acq: 17 Apr 2018 22:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	86.1	129.1
160	45.3	38.3	57.5





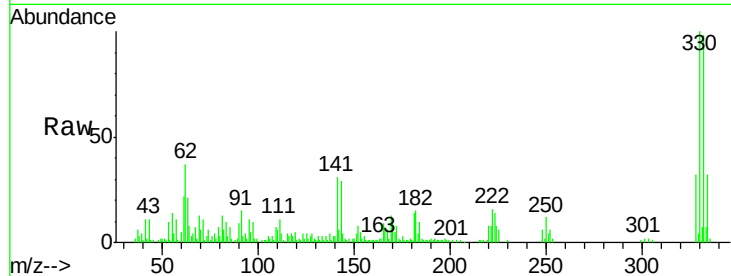
#41
 2,4,6-Tribromophenol
 Concen: 19.836 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104578.D
 Acq: 17 Apr 2018 22:49

Instrument :
 BNA_F
 ClientSampleId :
 20180246-AMEND-COMP-C

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	33.3	29.9	44.9

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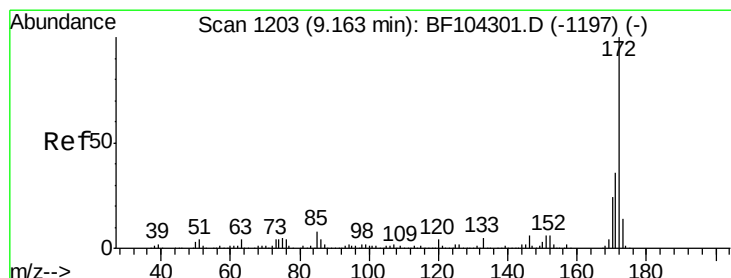
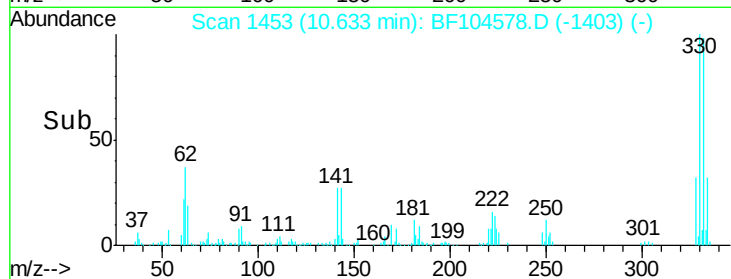
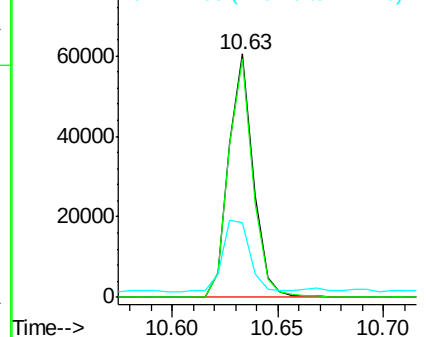


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 52.889 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104578.D
 Acq: 17 Apr 2018 22:49

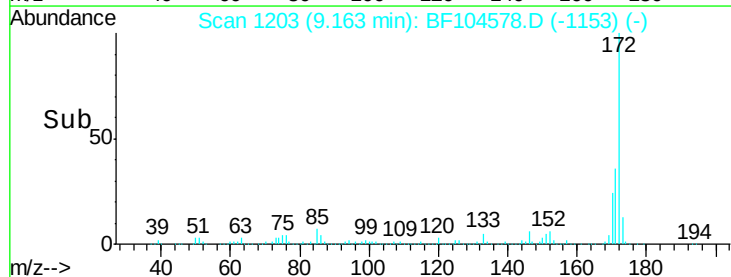
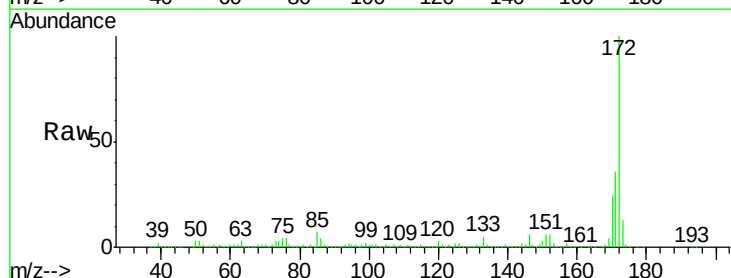
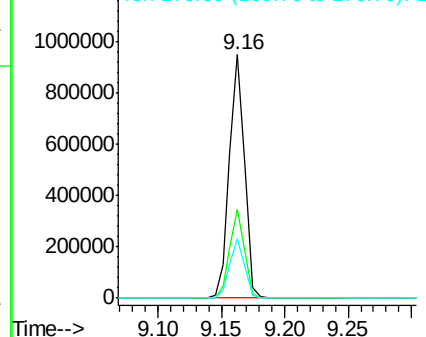
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.4	19.6	29.4

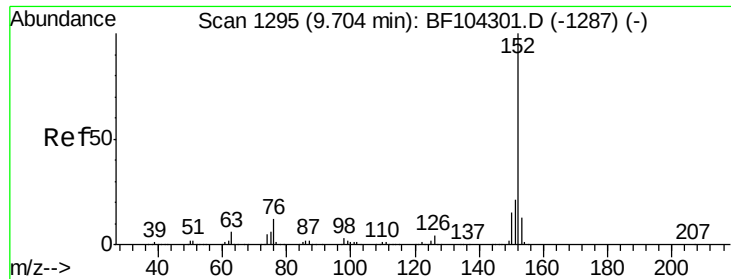
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 10.992 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

Instrument :

BNA_F

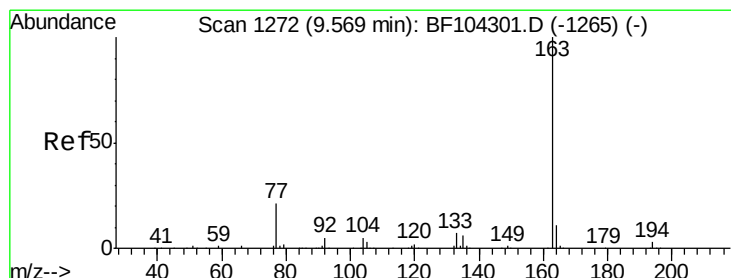
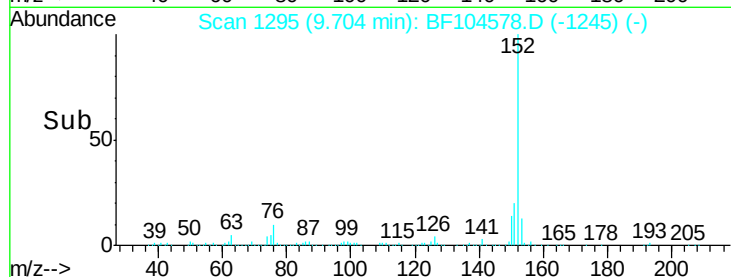
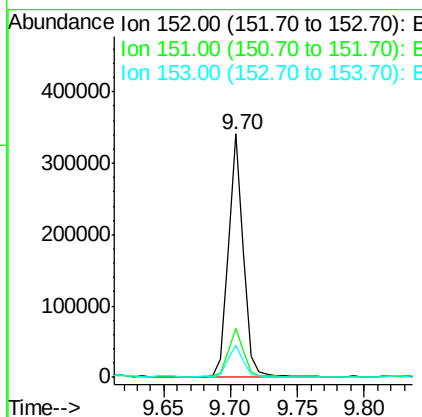
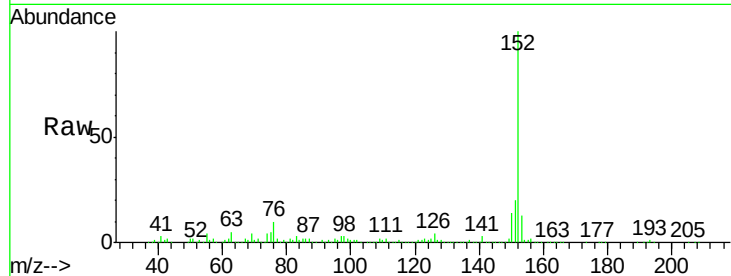
ClientSampleId :

20180246-AMEND-COMP-C

Tot Ion:	152	Resp:	270270
Ion Ratio		Lower	Upper
152	100		
151	20.3	16.3	24.5
153	13.3	10.7	16.1

Manual Integrations
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#49

Dimethylphthalate

Concen: 6.096 ng

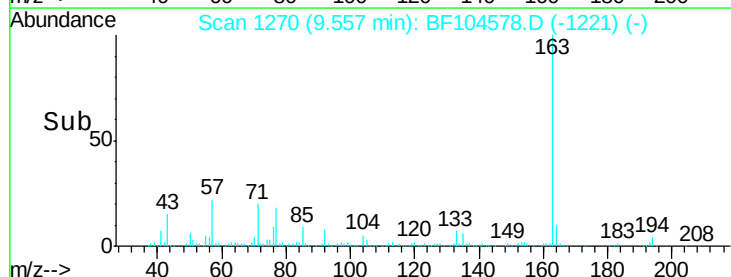
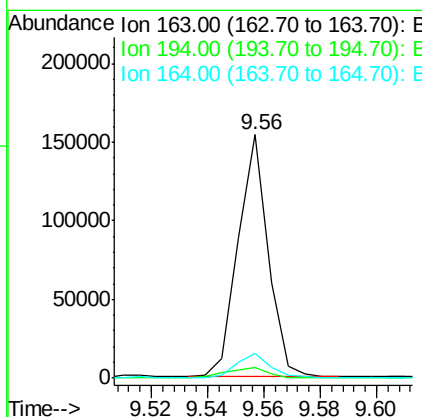
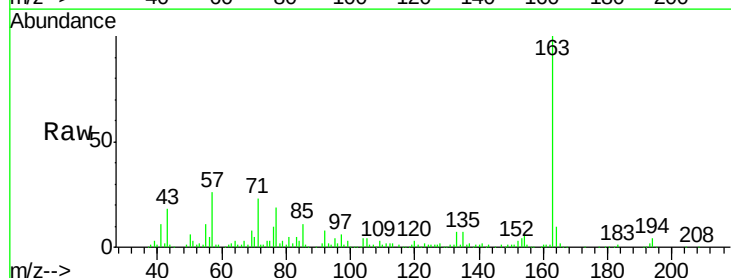
RT: 9.56 min Scan# 1270

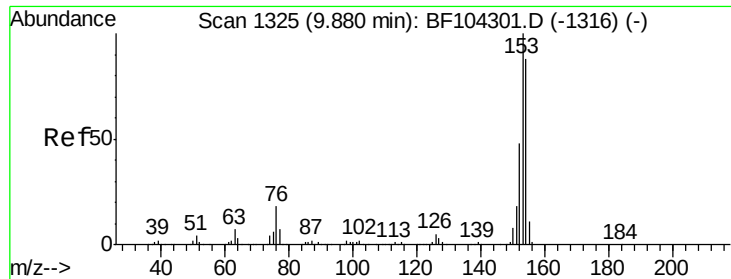
Delta R.T. -0.01 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

Tgt Ion:	163	Resp:	113523
Ion Ratio		Lower	Upper
163	100		
194	4.1	2.7	4.1#
164	10.2	8.2	12.2





#51

Acenaphthene

Concen: 3.186 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

Instrument :

BNA_F

ClientSampleId :

20180246-AMEND-COMP-C

Tot Ion:154 Resp: 47790

Ion Ratio Lower Upper

154 100

153 115.5 91.2 136.8

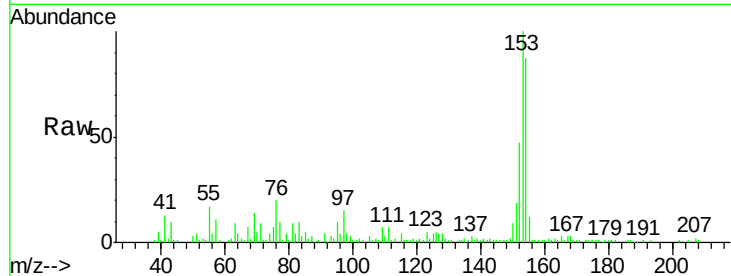
152 54.2 43.8 65.8

Manual Integrations

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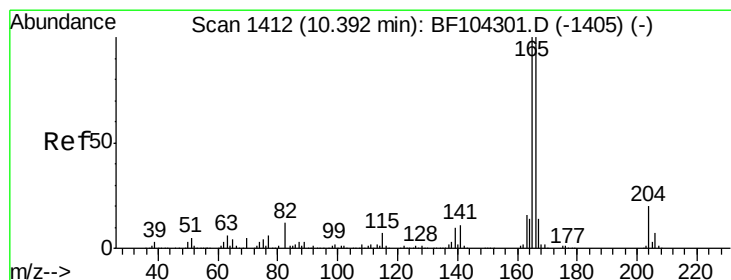
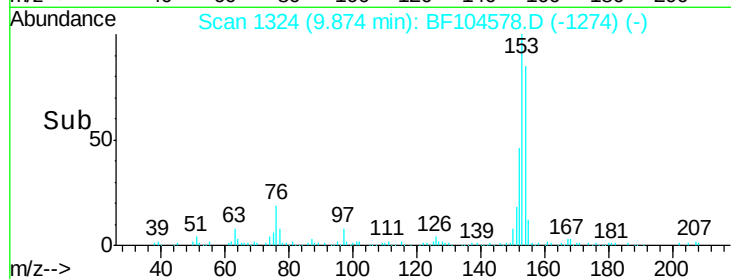
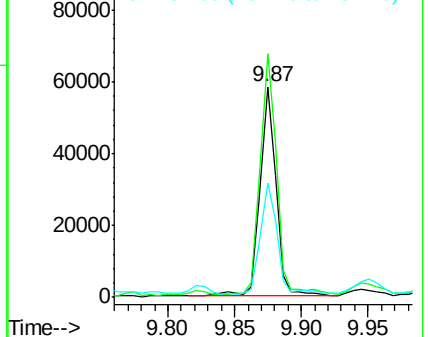
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.967 ng

RT: 10.39 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

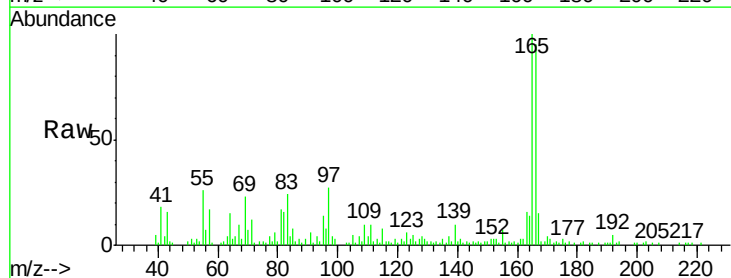
Tgt Ion:166 Resp: 45153

Ion Ratio Lower Upper

166 100

165 105.1 79.8 119.8

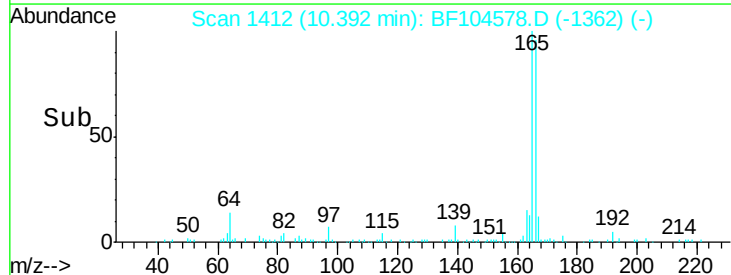
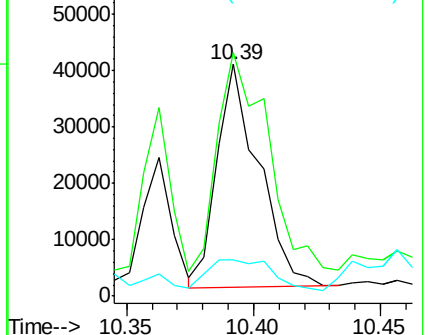
167 15.6 10.6 16.0

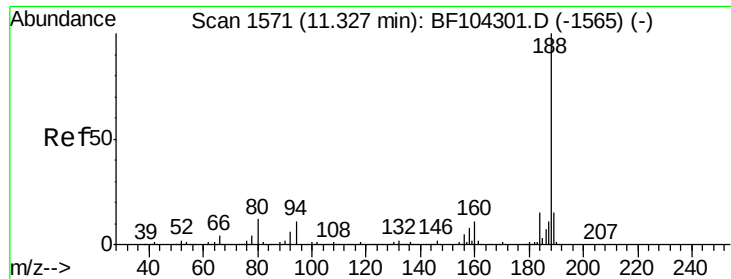


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





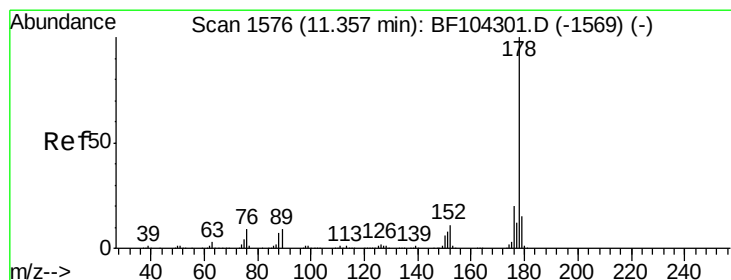
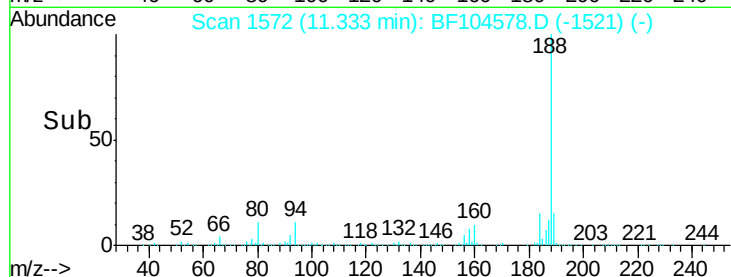
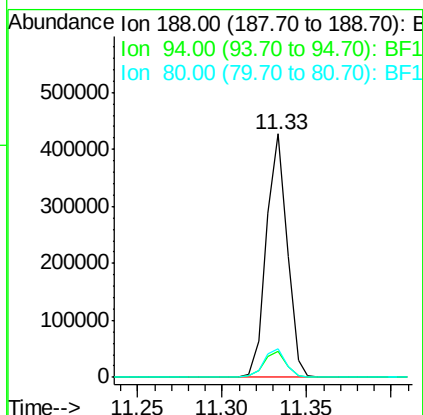
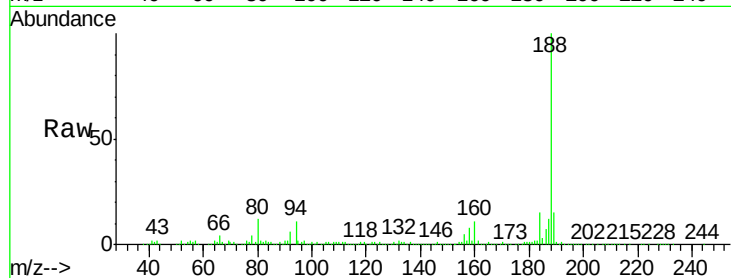
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF104578.D
Acq: 17 Apr 2018 22:49

Instrument :
BNA_F
ClientSampleId :
20180246-AMEND-COMP-C

Tot Ion	Ratio	Resp	Lower	Upper
188	100	364028		
94	10.8		8.5	12.7
80	11.5		9.2	13.8

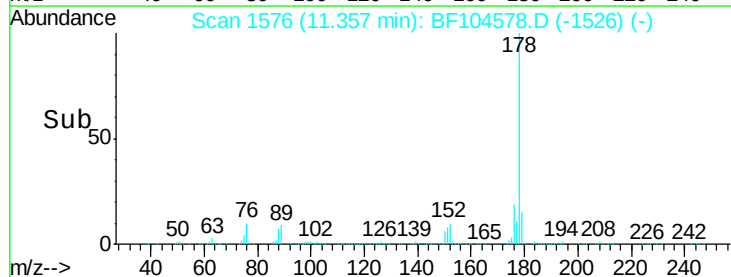
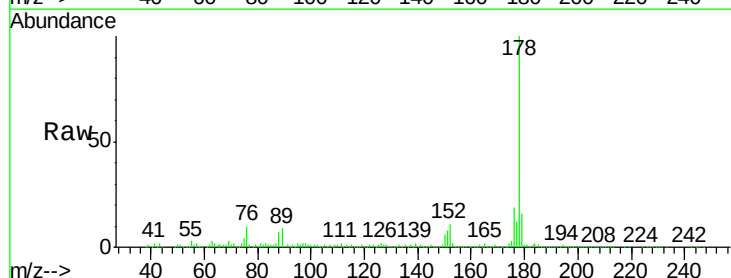
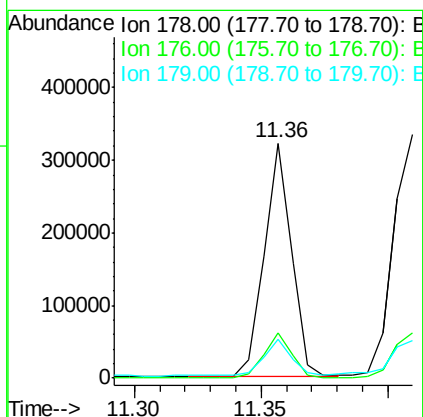
Manual Integrations
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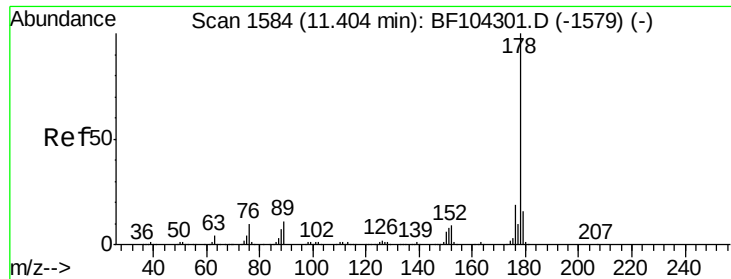
Sohil
4/18/2018 3:01:11 PM



#70
Phenanthrene
Concen: 11.999 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104578.D
Acq: 17 Apr 2018 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	243242		
176	19.5		15.8	23.8
179	16.4		13.0	19.6





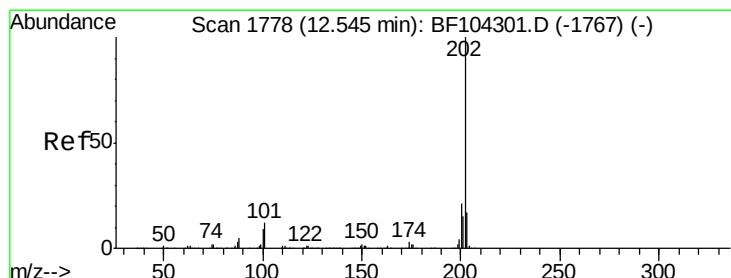
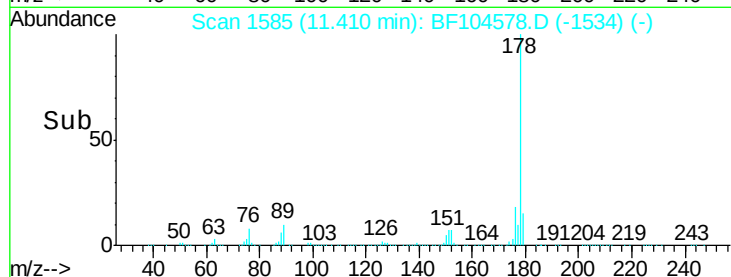
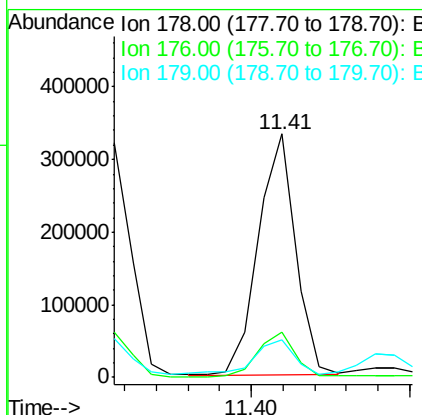
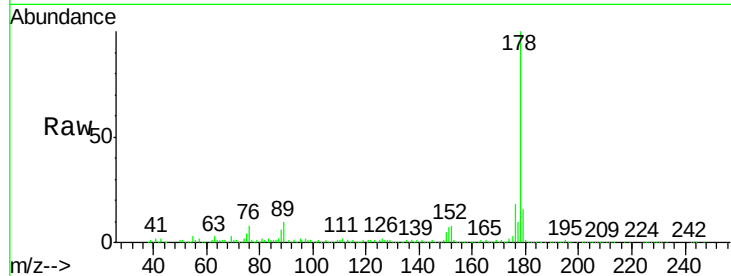
#71
 Anthracene
 Concen: 13.211 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF104578.D
 Acq: 17 Apr 2018 22:49

Instrument :
 BNA_F
 ClientSampleId :
 20180246-AMEND-COMP-C

Tot Ion:178	Resp:	272237
Ion Ratio	Lower	Upper
178	100	
176	18.4	15.4 23.2
179	15.7	12.6 19.0

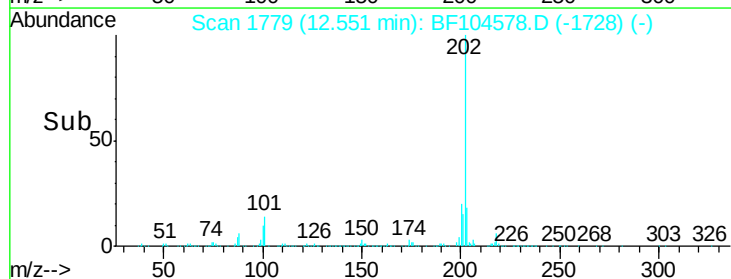
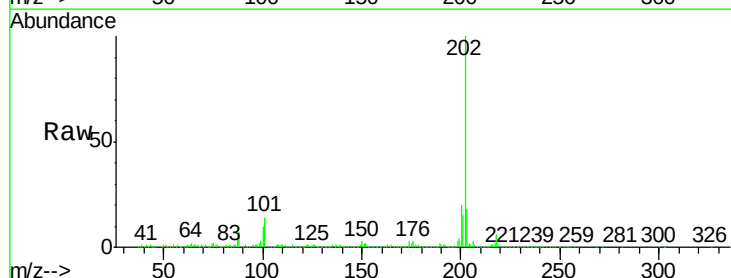
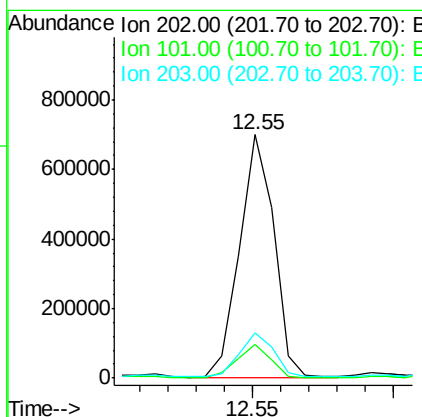
Manual Integrations
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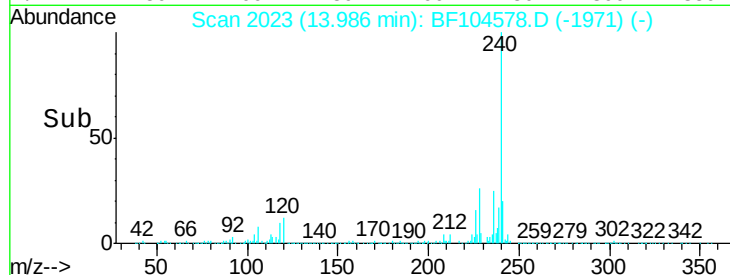
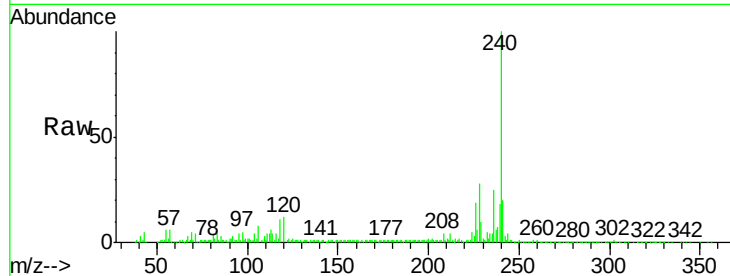
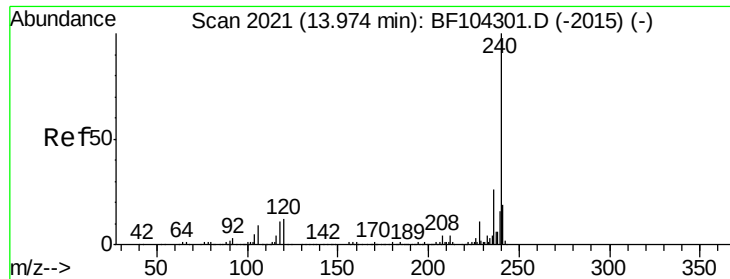
Sohil
 4/18/2018 3:01:11 PM



#74
 Fluoranthene
 Concen: 27.866 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: BF104578.D
 Acq: 17 Apr 2018 22:49

Tgt Ion:202	Resp:	590234
Ion Ratio	Lower	Upper
202	100	
101	14.0	0.0 34.1
203	18.5	0.0 38.1





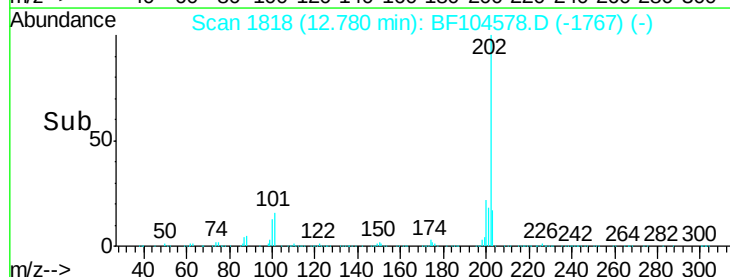
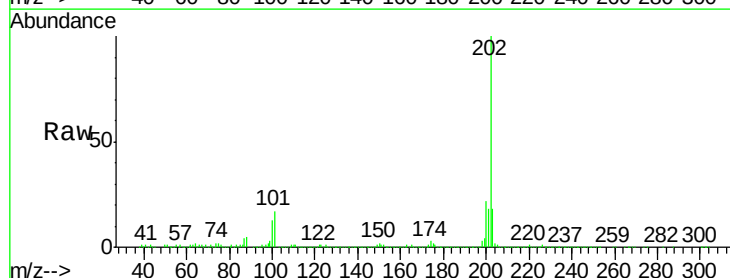
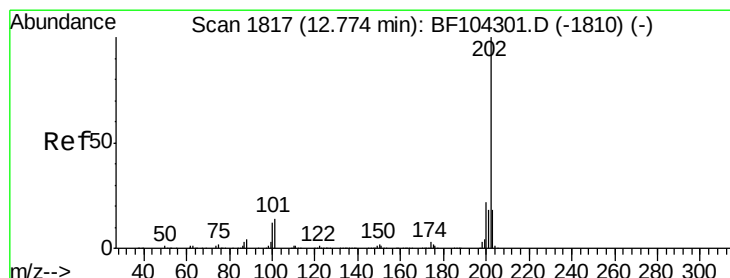
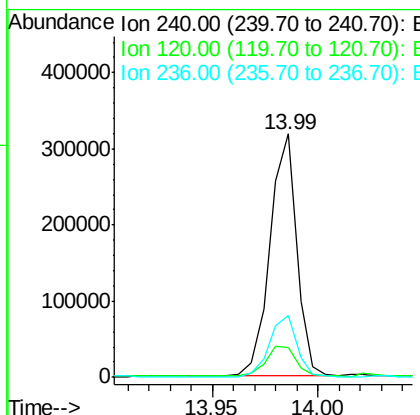
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF104578.D
Acq: 17 Apr 2018 22:49

Instrument :
BNA_F
ClientSampleId :
20180246-AMEND-COMP-C

Tot Ion	Ratio	Resp	Lower	Upper
240	100	281535		
120	12.0	9.5	14.3	
236	25.5	20.7	31.1	

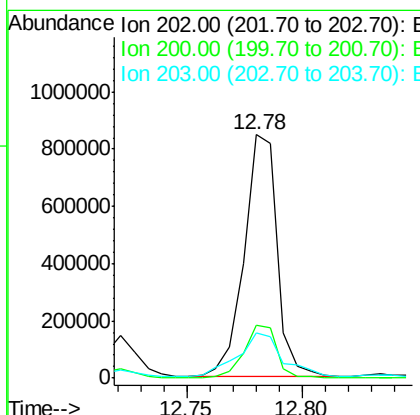
Manual Integrations
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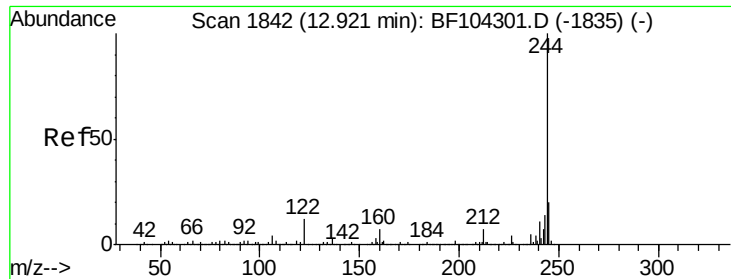
Sohil
4/18/2018 3:01:11 PM



#77
Pyrene
Concen: 40.595 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.00 min
Lab File: BF104578.D
Acq: 17 Apr 2018 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	847143		
200	21.7	17.4	26.2	
203	18.5	14.3	21.5	





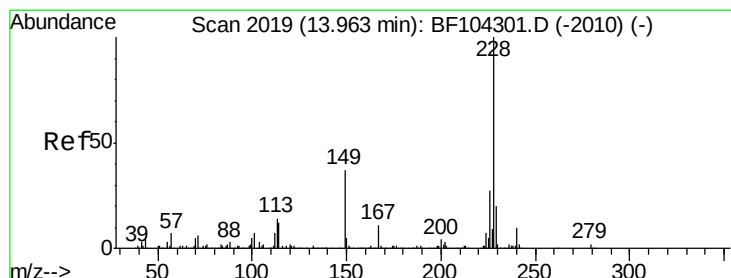
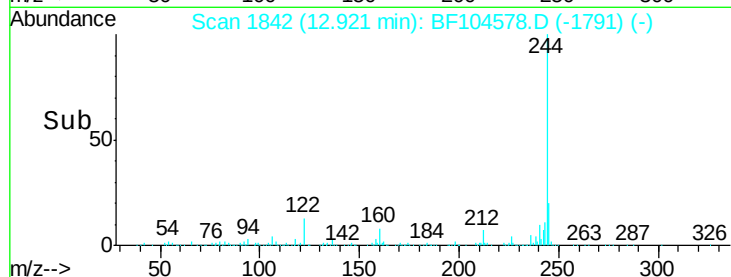
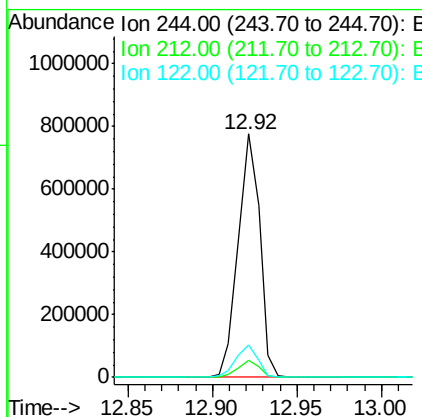
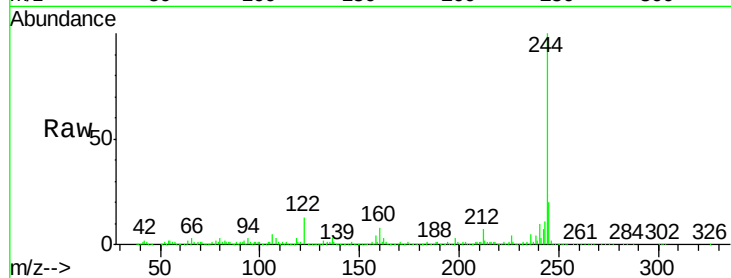
#78
 Terphenyl-d14
 Concen: 56.029 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BF104578.D
 Acq: 17 Apr 2018 22:49

Instrument :
 BNA_F
 ClientSampleId :
 20180246-AMEND-COMP-C

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	13.2	11.0	16.4

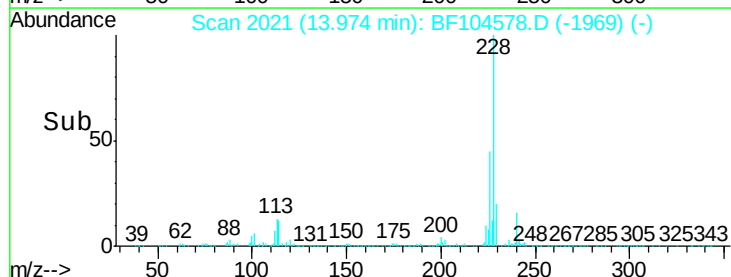
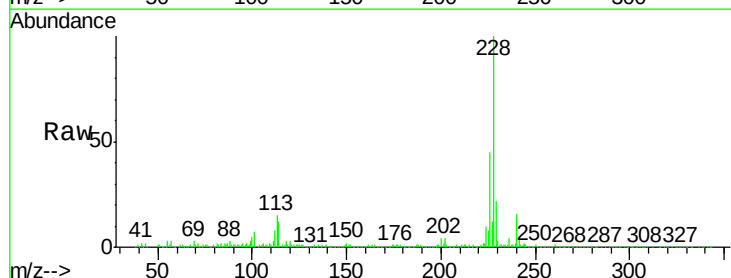
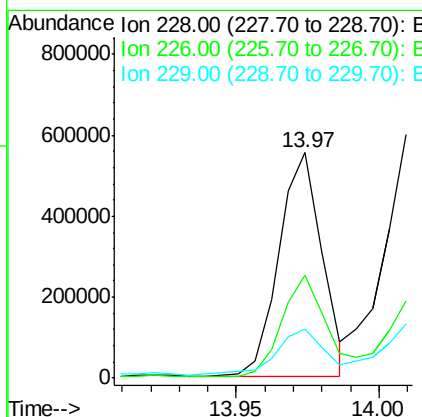
Manual Integrations
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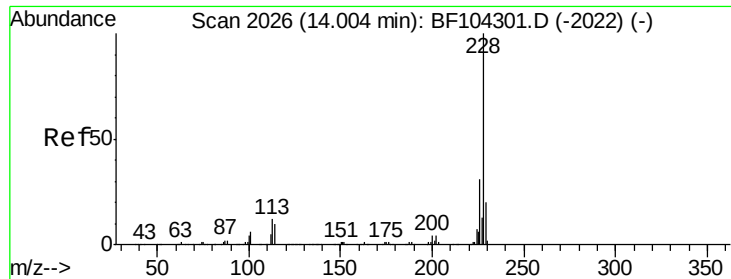
Sohil
 4/18/2018 3:01:11 PM



#80
 Benzo(a)anthracene
 Concen: 34.576 ng m
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.01 min
 Lab File: BF104578.D
 Acq: 17 Apr 2018 22:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	45.3	22.6	33.8#
229	21.9	15.8	23.6





#82

Chrysene

Concen: 33.432 ng/mL

RT: 14.01 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

Instrument :

BNA_F

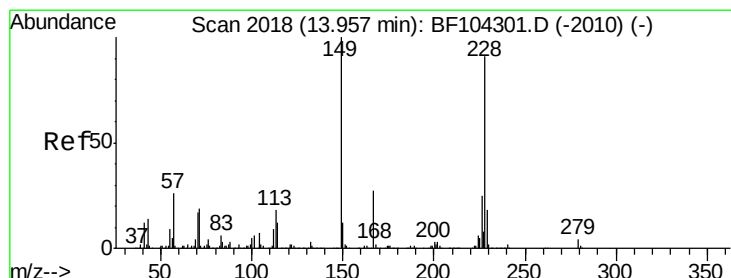
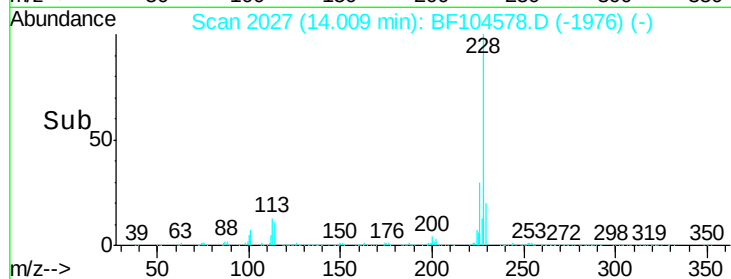
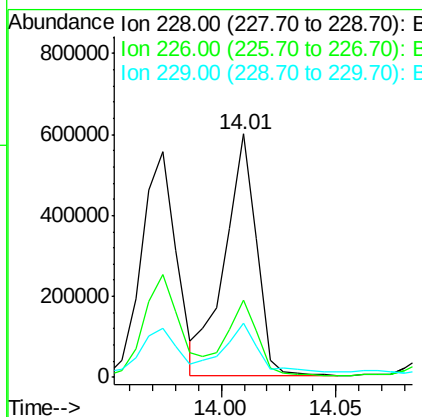
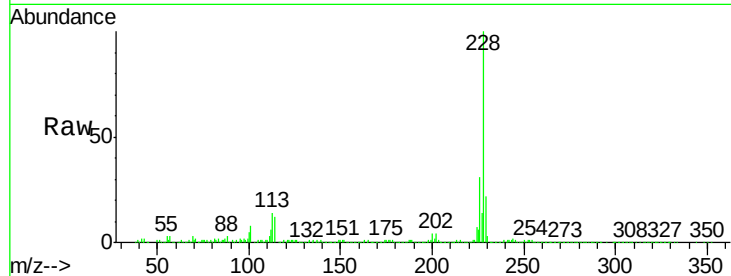
ClientSampleId :

20180246-AMEND-COMP-C

Tot Ion:	228	Resp:	577572
Ion Ratio	Lower	Upper	
228	100		
226	31.5	25.0	37.6
229	22.1	16.2	24.4

Manual Integrations
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Sohil
4/18/2018 3:01:11 PM



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.920 ng/mL

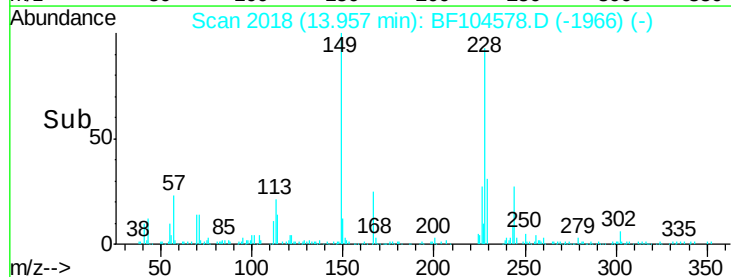
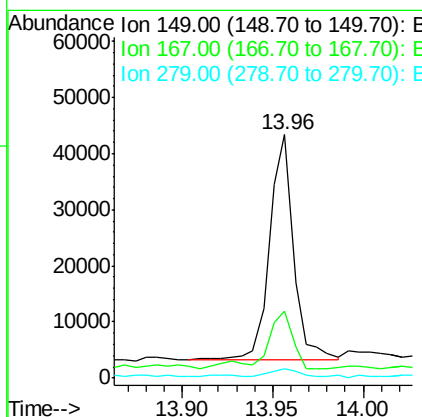
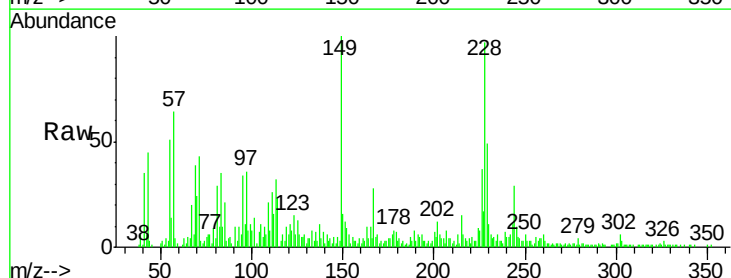
RT: 13.96 min Scan# 2018

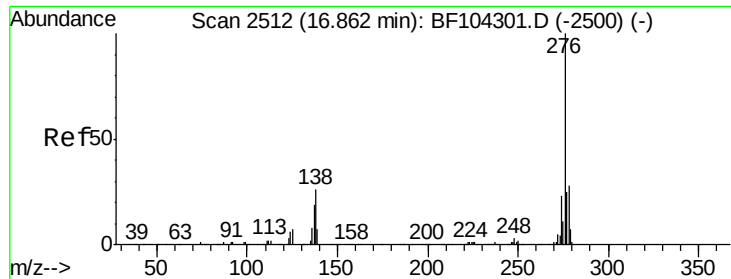
Delta R.T. 0.01 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

Tgt Ion:	149	Resp:	36925
Ion Ratio	Lower	Upper	
149	100		
167	27.6	21.3	31.9
279	4.0	3.0	4.4





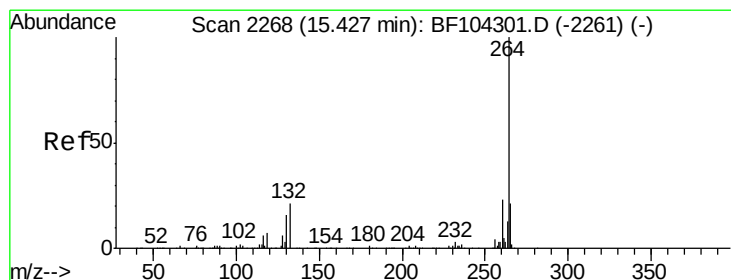
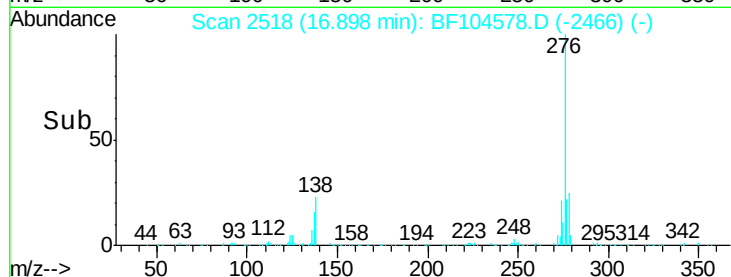
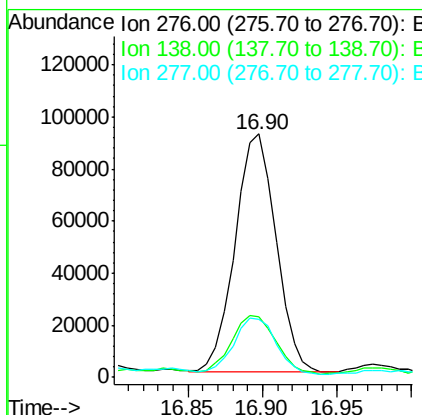
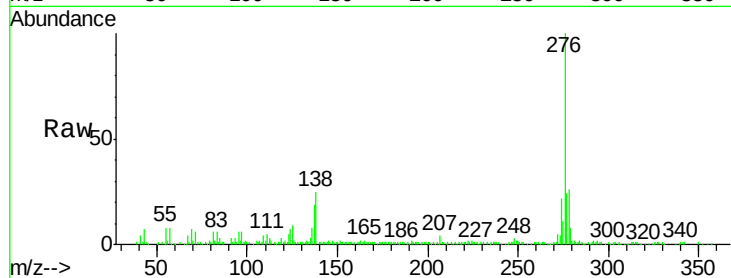
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 11.780 ng
 RT: 16.90 min Scan# 2518
 Delta R.T. 0.01 min
 Lab File: BF104578.D
 Acq: 17 Apr 2018 22:49

Instrument :
 BNA_F
 ClientSampleId :
 20180246-AMEND-COMP-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.7	25.0	37.6
277	24.9	20.1	30.1

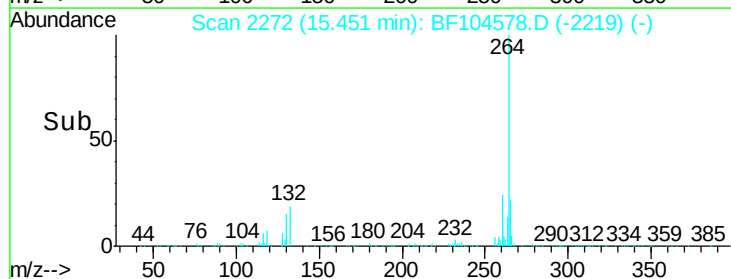
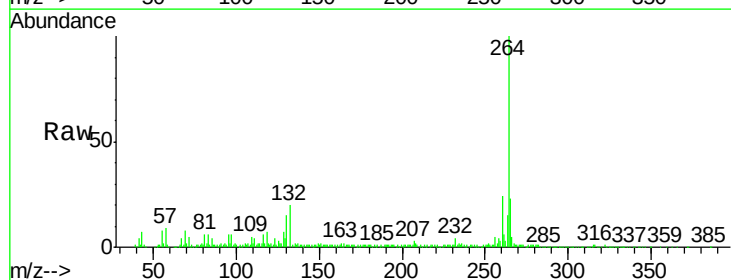
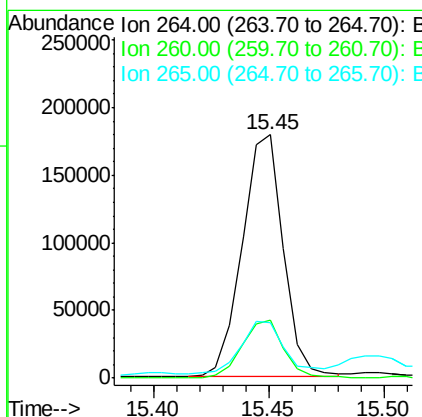
Manual Integrations
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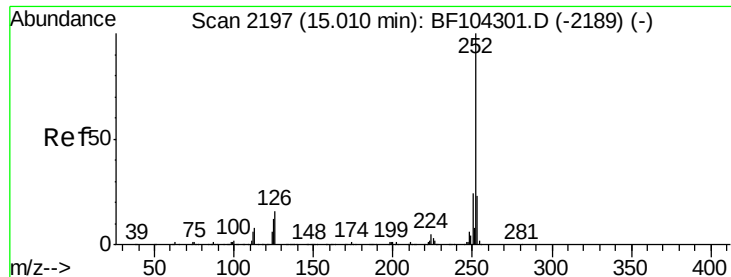
Sohil
 4/18/2018 3:01:11 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: BF104578.D
 Acq: 17 Apr 2018 22:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	23.0	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 33.780 ng m

RT: 15.03 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

Instrument :

BNA_F

ClientSampleId :

20180246-AMEND-COMP-C

Tot Ion:252 Resp: 471636

Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.6

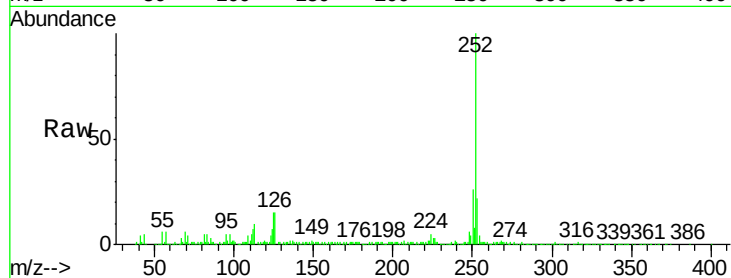
125 15.3 9.0 13.6#

Manual Integrations

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Sohil

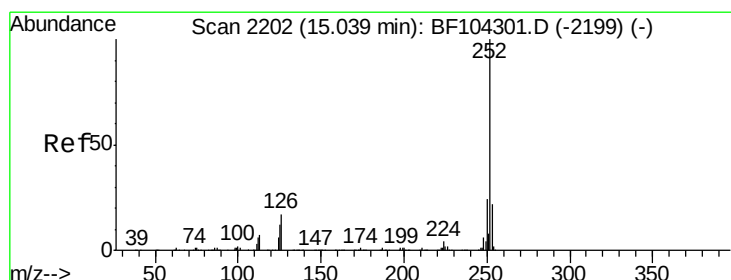
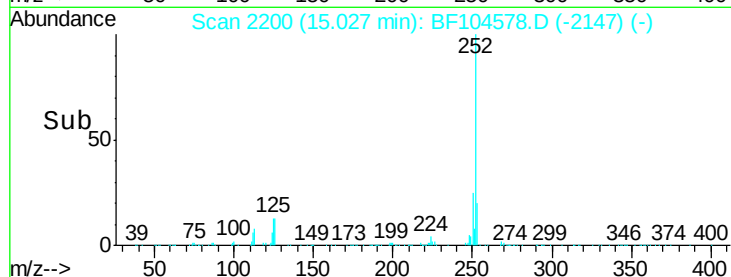
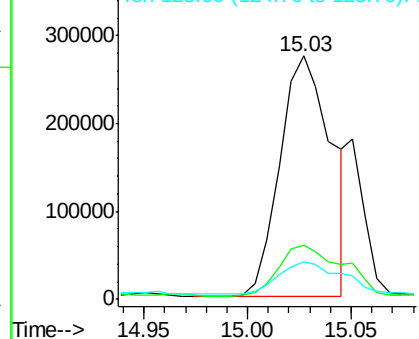
4/18/2018 3:01:11 PM



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: 8.141 ng m

RT: 15.05 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

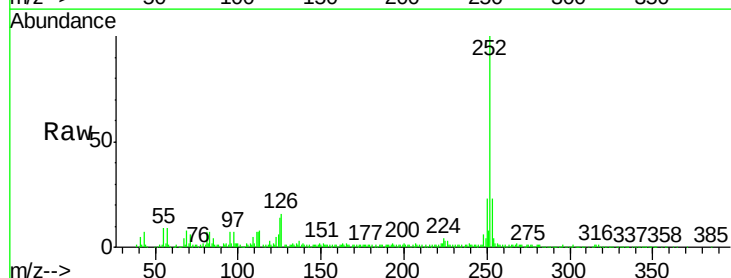
Tgt Ion:252 Resp: 107305

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

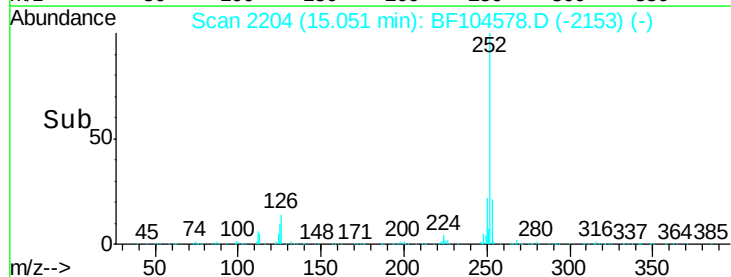
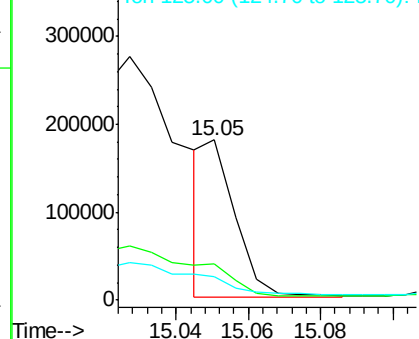
125 14.4 10.2 15.2

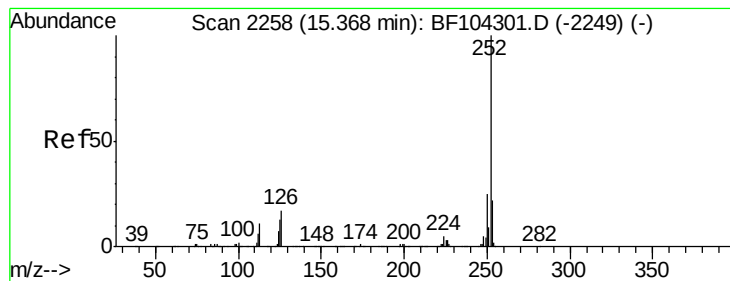


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 37.297 ng

RT: 15.39 min Scan# 2261

Delta R.T. 0.01 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

Instrument :

BNA_F

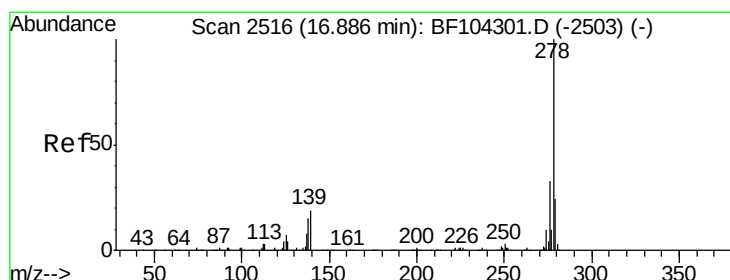
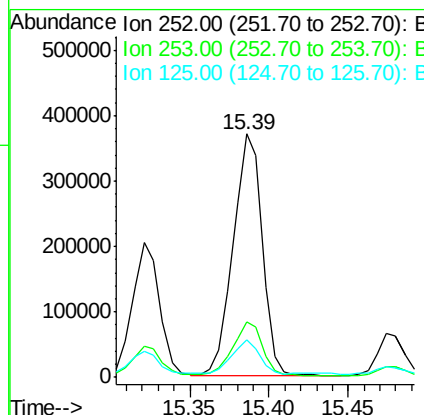
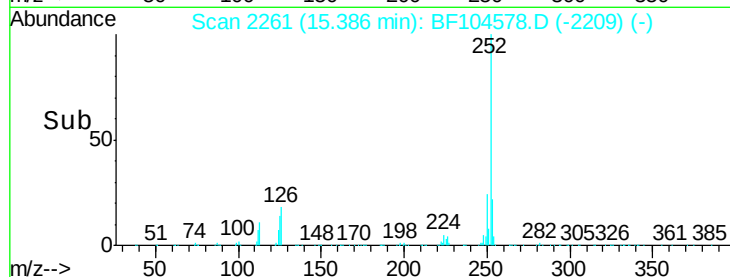
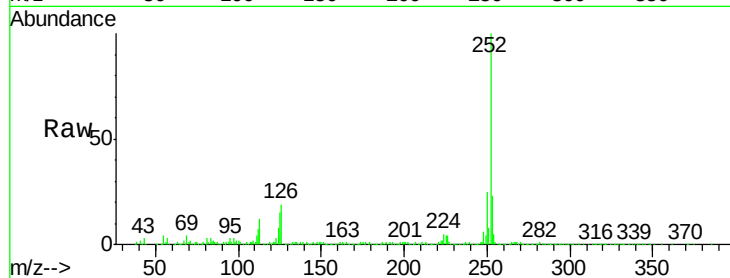
ClientSampleId :

20180246-AMEND-COMP-C

Tot Ion:	252	Resp:	465934
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.1	25.7
125	15.3	9.8	14.6#

Manual Integrations
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#90

Dibenzo(a,h)anthracene

Concen: 5.329 ng m

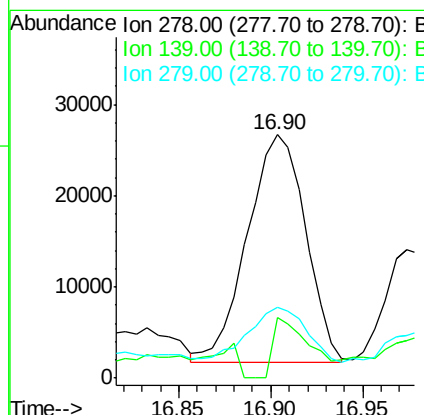
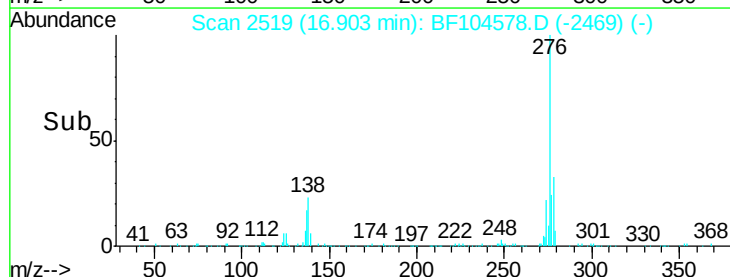
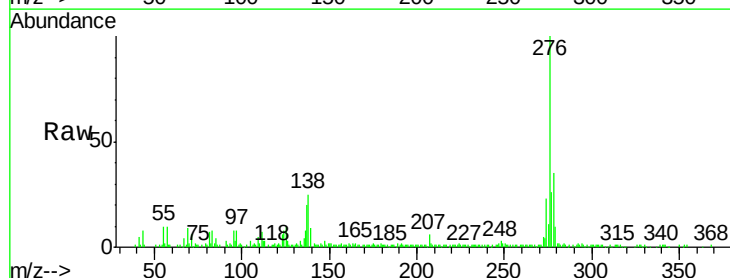
RT: 16.90 min Scan# 2519

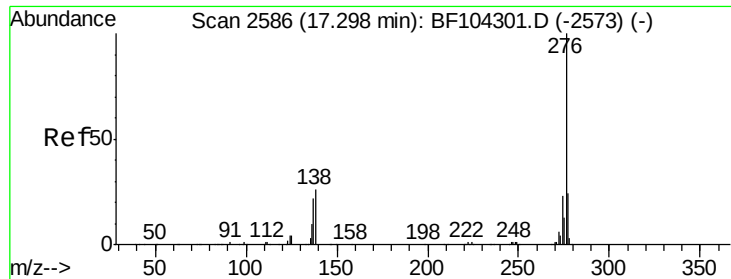
Delta R.T. -0.01 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

Tgt Ion:	278	Resp:	54680
Ion Ratio	Lower	Upper	
278	100		
139	24.7	15.9	23.9#
279	29.0	19.0	28.4#





#91

Benzo(a,h,i)perylene

Concen: 18.073 ng

RT: 17.34 min Scan# 2593

Delta R.T. 0.01 min

Lab File: BF104578.D

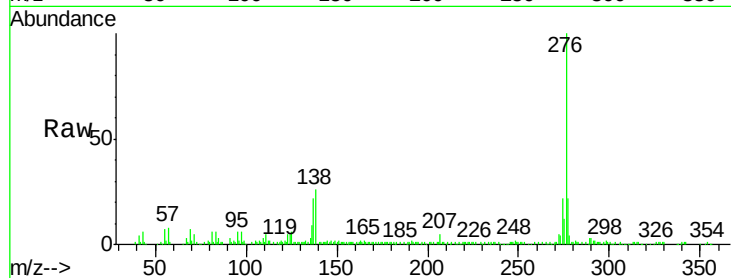
Acq: 17 Apr 2018 22:49

Instrument :

BNA_F

ClientSampleId :

20180246-AMEND-COMP-C



Tot Ion:	276	Resp:	179649
Ion Ratio	Lower	Upper	
276	100		
277	22.3	17.9	26.9
138	25.9	21.8	32.8

Manual Integrations
APPROVED

Sohil
4/18/2018 3:01:11 PM

