

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
 Data File : BF104636.D
 Acq On : 19 Apr 2018 18:58
 Operator : JU/SJ
 Sample : J2387-07RX
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20180244-AMEND-COMP-ARX

Manual Integrations
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 4/20/2018 3:05:23 PM

Quant Time: Apr 20 01:26:52 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 14:44:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	160374	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	651477	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	283500	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	427771	20.00	ng	0.00
75) Chrysene-d12	13.99	240	262955	20.00	ng	0.00
86) Perylene-d12	15.46	264	256614	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	116699	11.13	ng	0.00
7) Phenol-d6	6.45	99	885848	68.74	ng	0.00
23) Nitrobenzene-d5	7.37	82	1000518	100.28	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	13427	4.57	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1333472	74.31	ng	0.00
78) Terphenyl-d14	12.93	244	963688	83.55	ng	0.00
Target Compounds						
10) Phenol	6.45	94	36968	2.704	ng	Qvalue # 77
31) Naphthalene	8.11	128	76429	2.356	ng	100
37) 2-Methylnaphthalene	8.80	142	46961	2.238	ng	98
48) Acenaphthylene	9.70	152	484814	16.426	ng	99
49) Dimethylphthalate	9.56	163	134179	6.002	ng	99
51) Acenaphthene	9.87	154	80940	4.495	ng	97
57) Fluorene	10.39	166	102071	5.588	ng	# 96
70) Phenanthrene	11.36	178	686685	28.825	ng	100
71) Anthracene	11.41	178	527464	21.782	ng	100
74) Fluoranthene	12.56	202	984944	39.572	ng	98
77) Pyrene	12.79	202	1380532	70.829	ng	99
80) Benzo(a)anthracene	13.98	228	910179m	57.939	ng	
82) Chrysene	14.02	228	892812	55.331	ng	98
83) Bis(2-ethylhexyl)phthalate	13.96	149	110894	9.389	ng	98
85) Indeno(1,2,3-cd)pyrene	16.91	276	330343	24.100	ng	94
87) Benzo(b)fluoranthene	15.03	252	777833m	47.993	ng	
88) Benzo(k)fluoranthene	15.06	252	304942m	19.929	ng	
89) Benzo(a)pyrene	15.40	252	860052	59.308	ng	97
90) Dibenzo(a,h)anthracene	16.92	278	113365m	9.518	ng	
91) Benzo(a,h,i)perylene	17.35	276	336881	29.195	ng	97

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

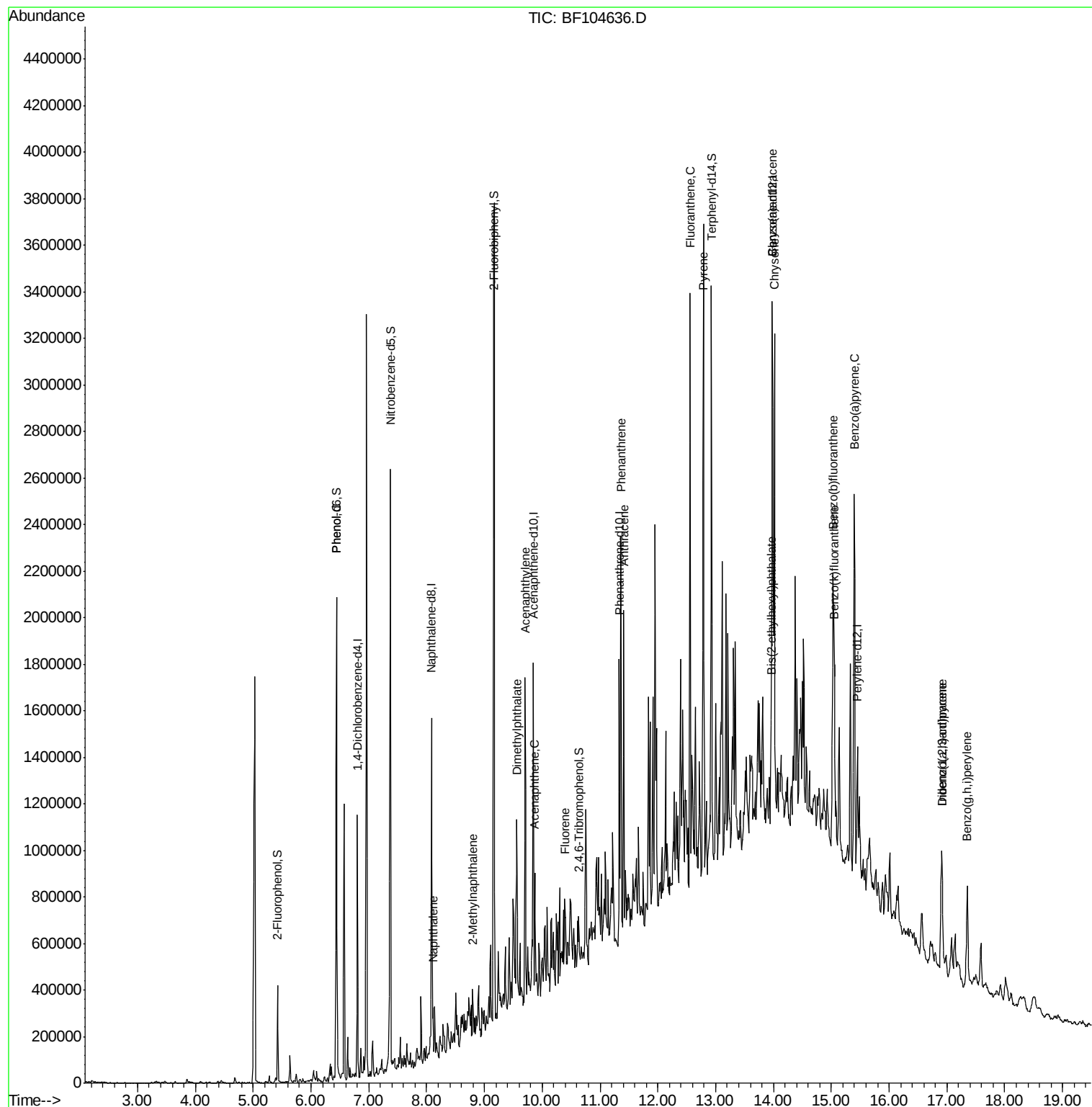
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#1

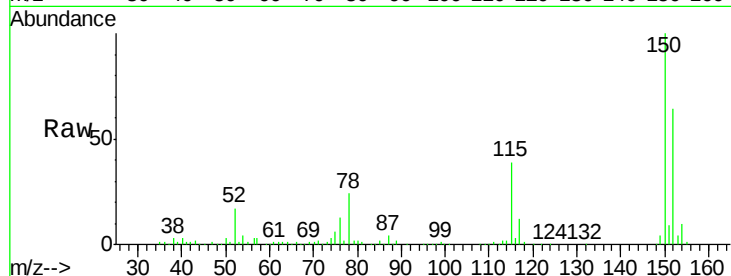
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104636.D
Acq: 19 Apr 2018 18:58

Instrument :
BNA_F
ClientSampleId :
20180244-AMEND-COMP-ARX

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	60.8	50.1	75.1

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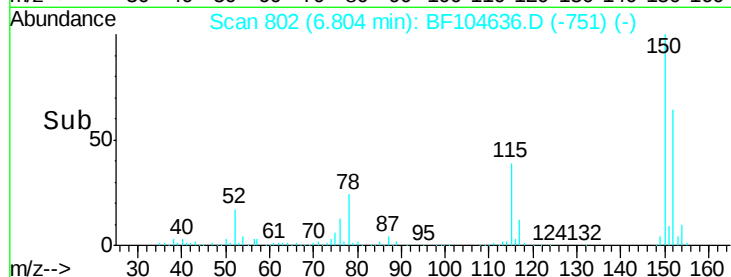
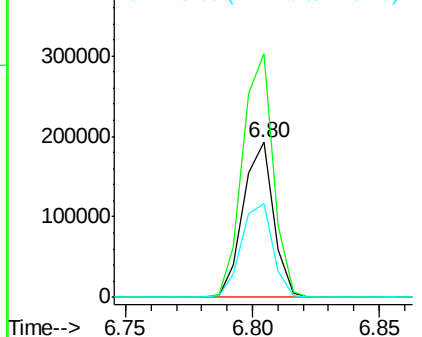


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

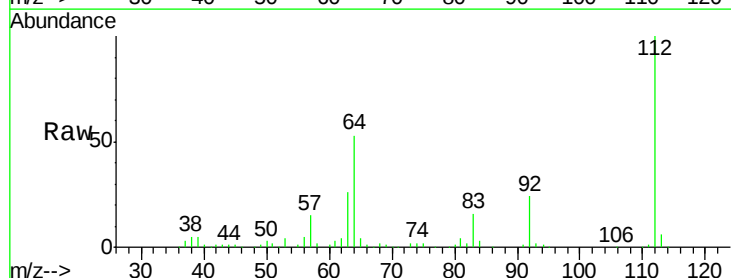
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 11.126 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104636.D
Acq: 19 Apr 2018 18:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	47.9	71.9
63	26.1	23.7	35.5

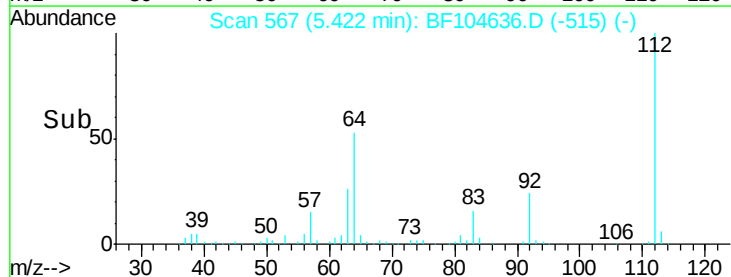
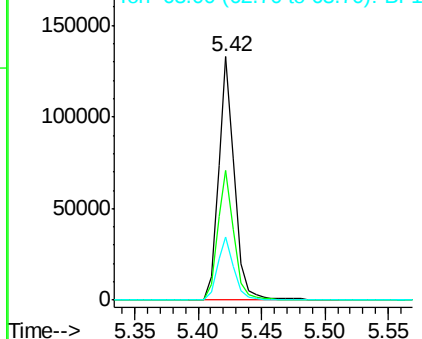


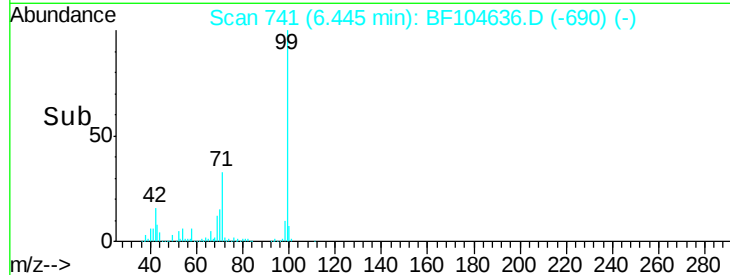
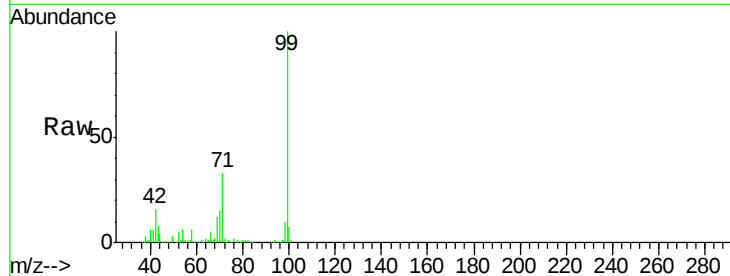
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 68.740 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104636.D

Acq: 19 Apr 2018 18:58

Tot Ion:	99	Resp:	885848
Ion	Ratio	Lower	Upper
99	100		
42	15.6	14.5	21.7
71	32.7	25.4	38.0

Instrument :

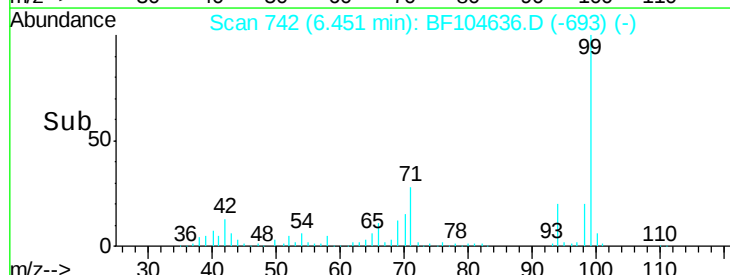
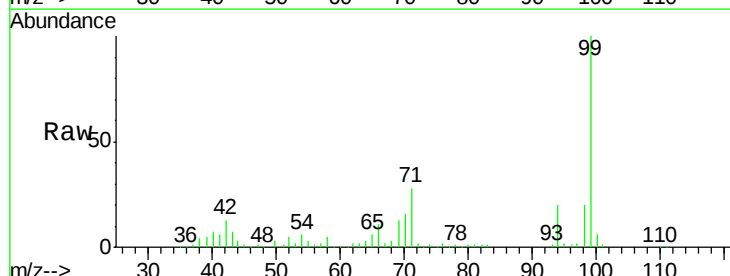
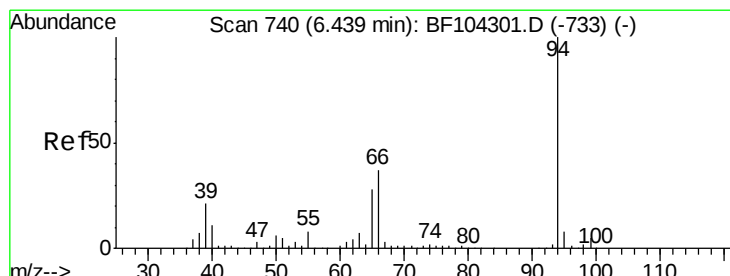
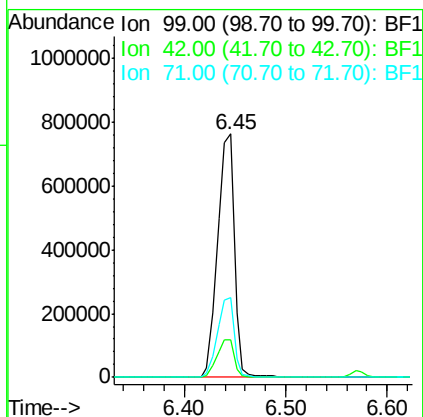
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ClientSampleId :

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#10

Phenol

Concen: 2.704 ng

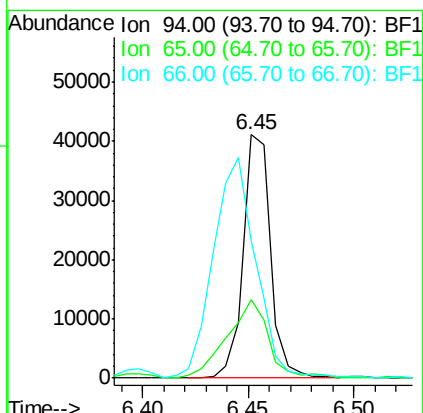
RT: 6.45 min Scan# 742

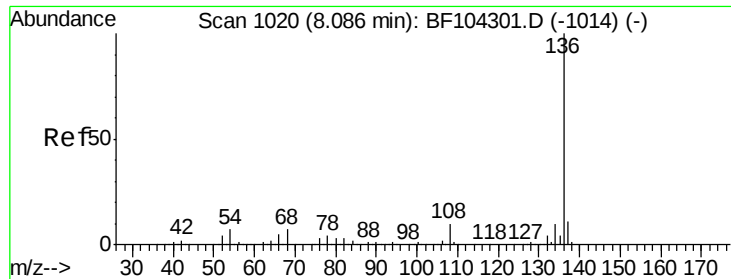
Delta R.T. -0.01 min

Lab File: BF104636.D

Acq: 19 Apr 2018 18:58

Tgt Ion:	94	Resp:	36968
Ion	Ratio	Lower	Upper
94	100		
65	32.1	7.9	47.9
66	56.5	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: BF104636.D

Acq: 19 Apr 2018 18:58

Instrument :

BNA_F

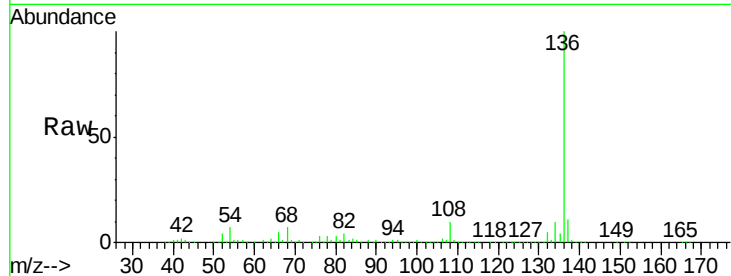
ClientSampleId :

20180244-AMEND-COMP-ARX

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		651477		
137	11.1		8.9	13.3	
54	7.0		6.6	9.8	
68	6.6		5.0	7.4	

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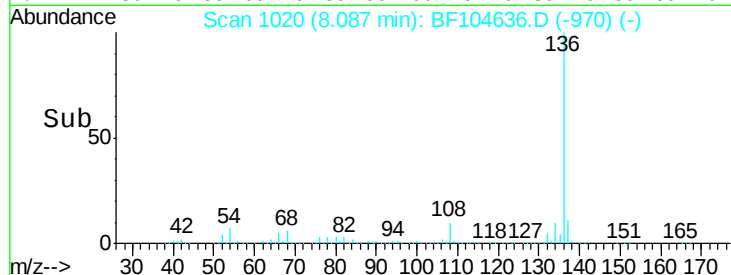
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

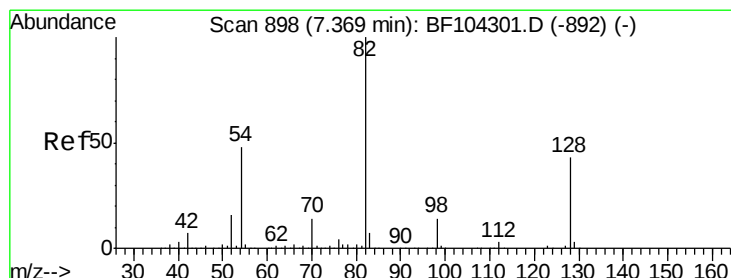
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

Time-->



Time-->



#23

Nitrobenzene-d5

Concen: 100.283 ng

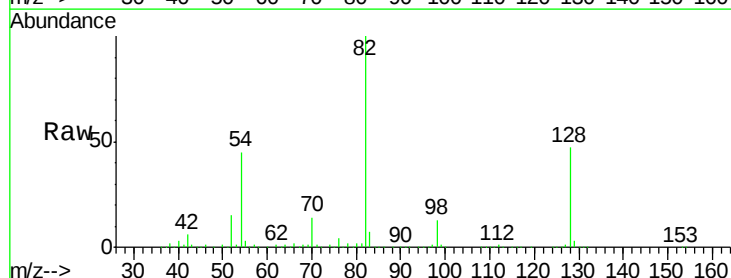
RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF104636.D

Acq: 19 Apr 2018 18:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		1000518		
128	47.2		36.1	54.1	
54	44.9		41.4	62.2	

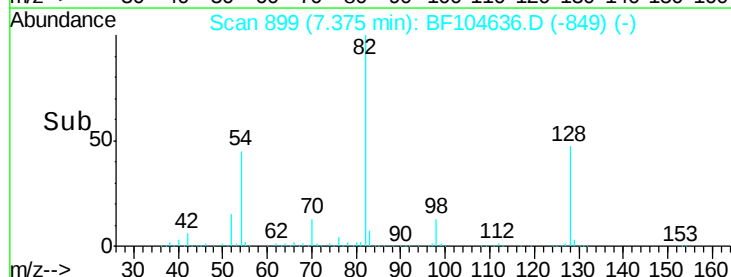


Abundance Ion 82.00 (81.70 to 82.70): BF1

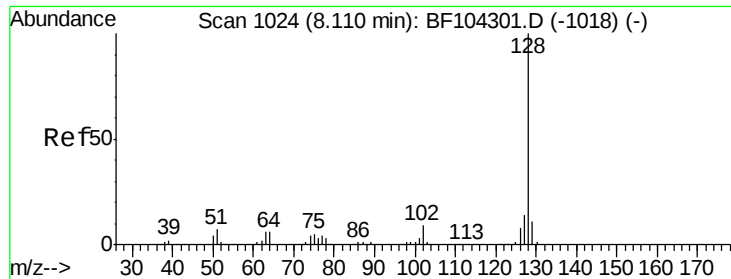
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

Time-->



Time-->



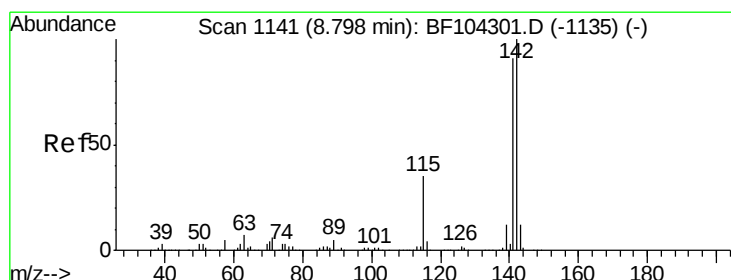
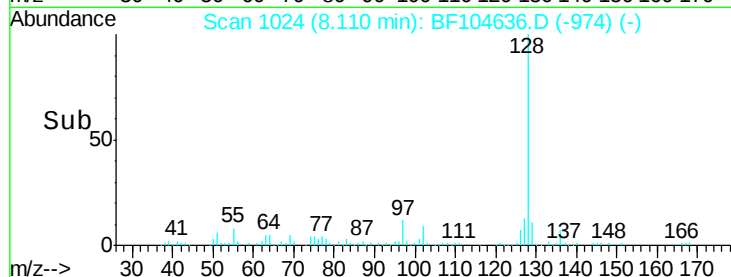
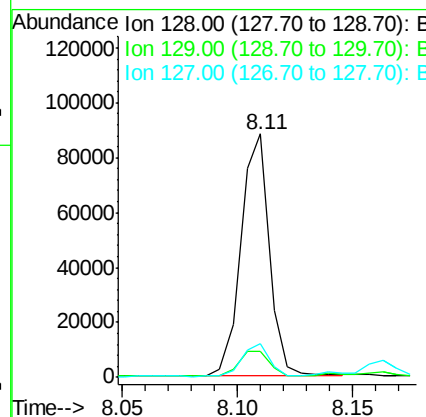
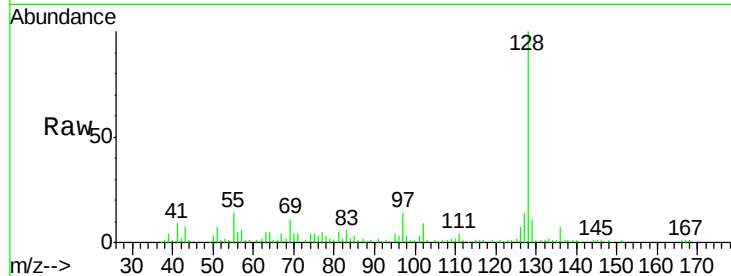
#31
Naphthalene
Concen: 2.356 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF104636.D
Acq: 19 Apr 2018 18:58

Instrument :
BNA_F
ClientSampleId :
20180244-AMEND-COMP-ARX

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.7	10.9	16.3

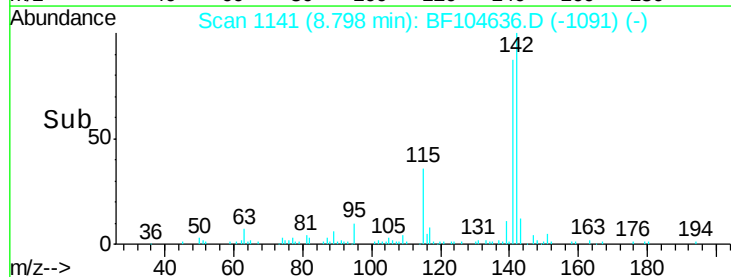
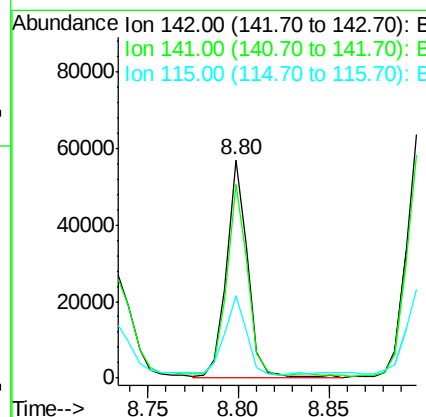
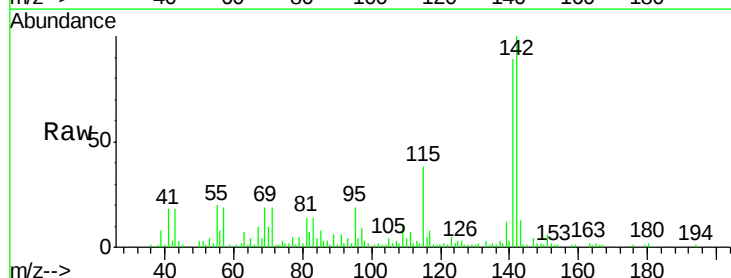
Manual Integrations
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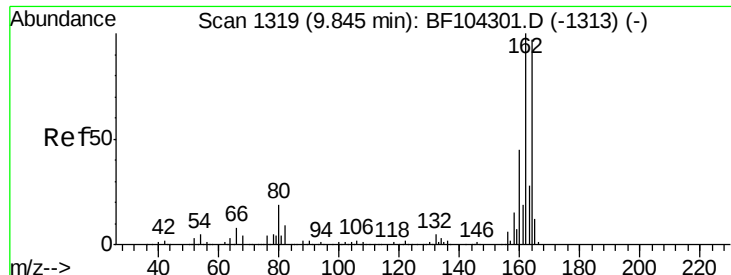
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#37
2-Methylnaphthalene
Concen: 2.238 ng
RT: 8.80 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF104636.D
Acq: 19 Apr 2018 18:58

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.8	106.2
115	37.6	26.1	39.1





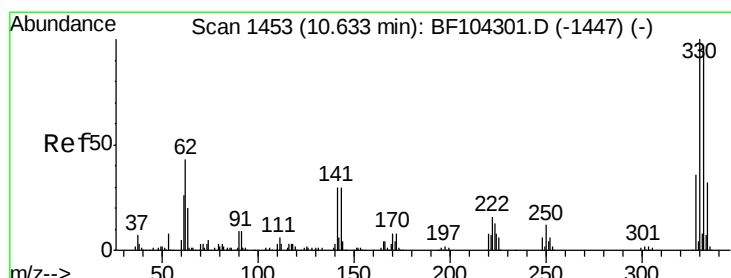
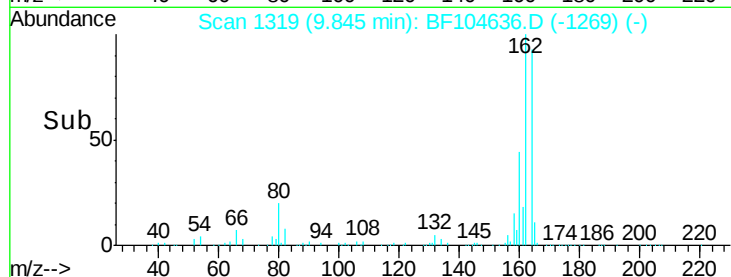
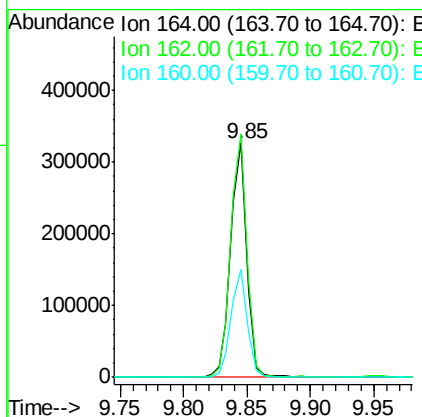
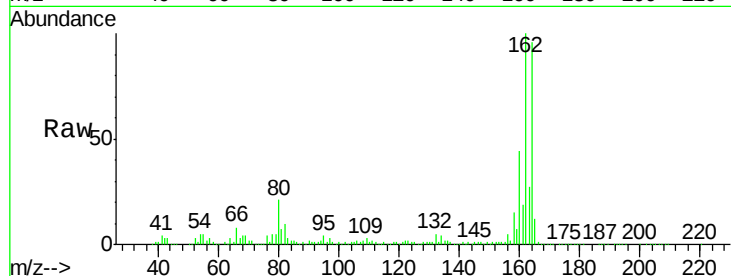
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF104636.D
 Acq: 19 Apr 2018 18:58

Instrument :
 BNA_F
 ClientSampleId :
 20180244-AMEND-COMP-ARX

Tot Ion	Ratio	Resp	Lower	Upper
164	100	283500		
162	103.9	86.1	129.1	
160	45.8	38.3	57.5	

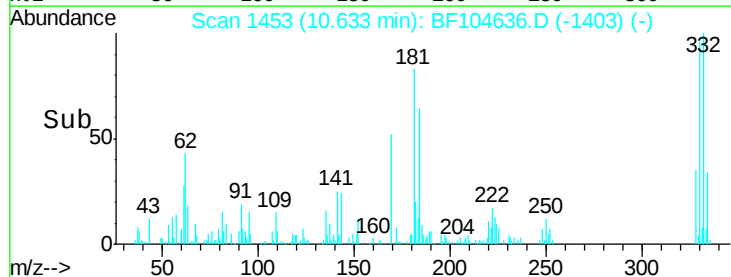
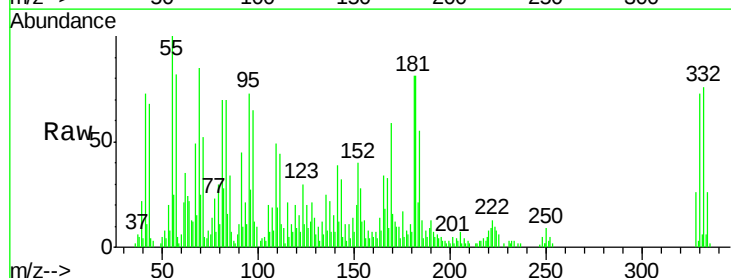
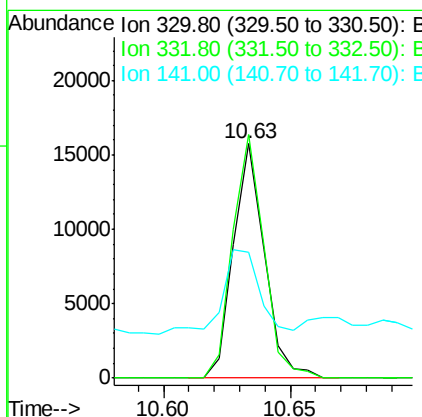
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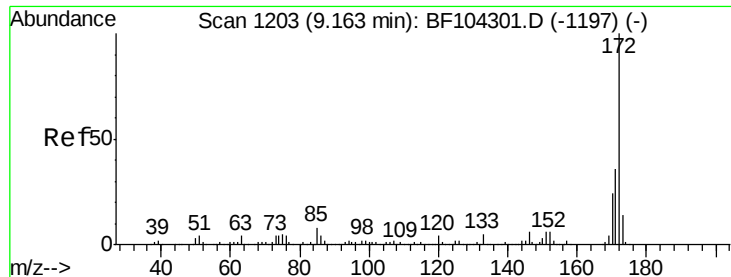
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#41
 2,4,6-Tribromophenol
 Concen: 4.566 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104636.D
 Acq: 19 Apr 2018 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	13427		
332	104.2	77.0	115.6	
141	44.1	29.9	44.9	





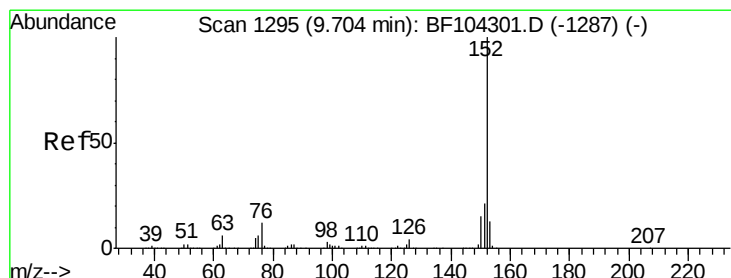
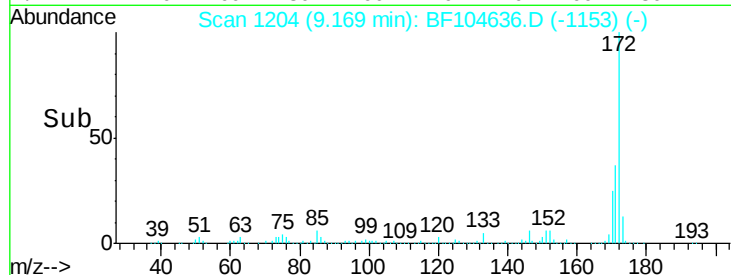
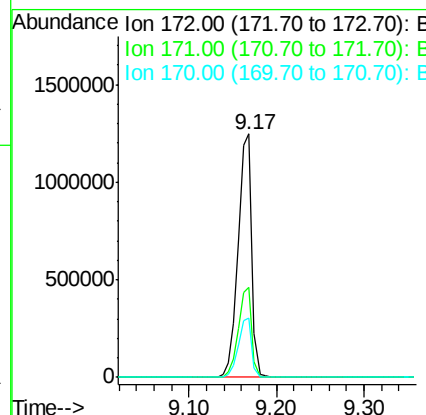
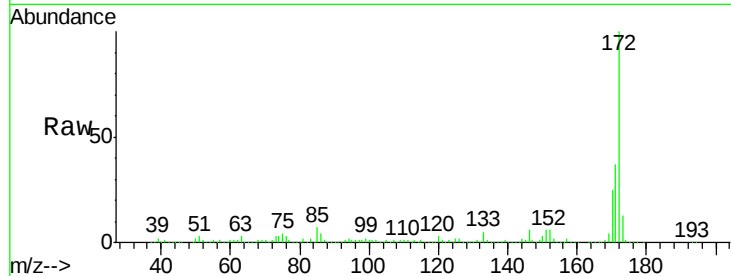
#44
2-Fluorobiphenyl
Concen: 74.305 ng
RT: 9.17 min Scan# 1204
Delta R.T. 0.00 min
Lab File: BF104636.D
Acq: 19 Apr 2018 18:58

Instrument :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.5	19.6	29.4

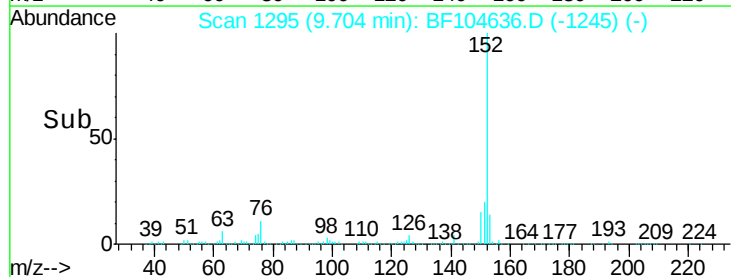
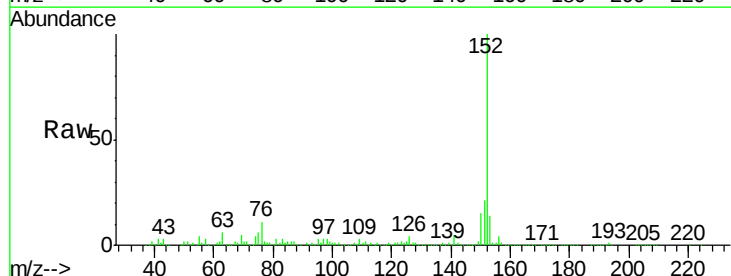
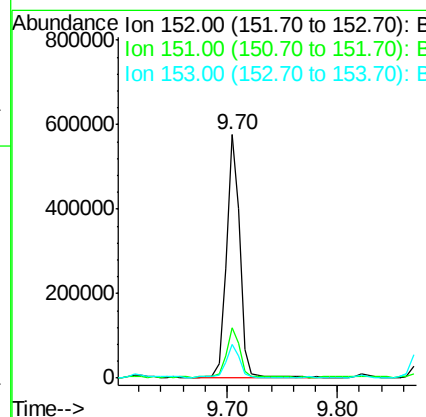
Manual Integrations
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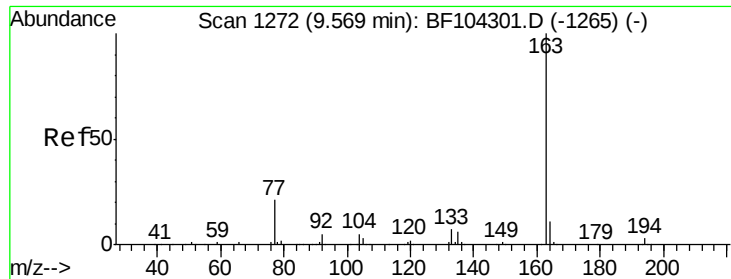
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#48
Acenaphthylene
Concen: 16.426 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104636.D
Acq: 19 Apr 2018 18:58

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.3	24.5
153	13.8	10.7	16.1





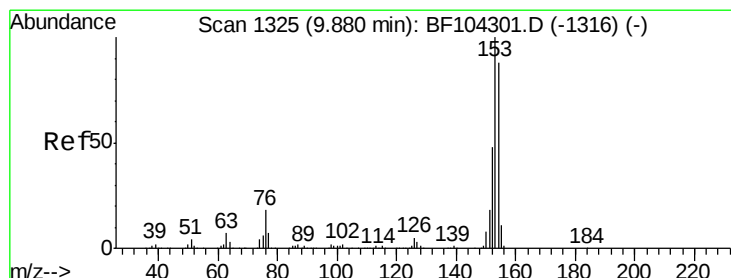
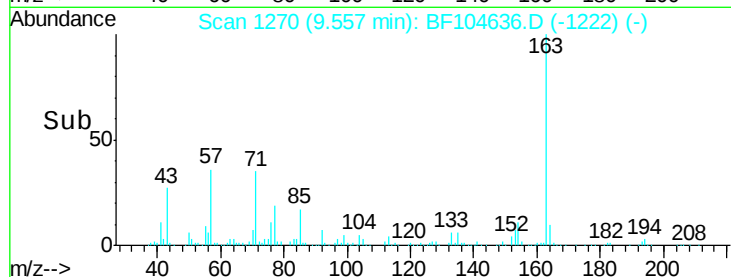
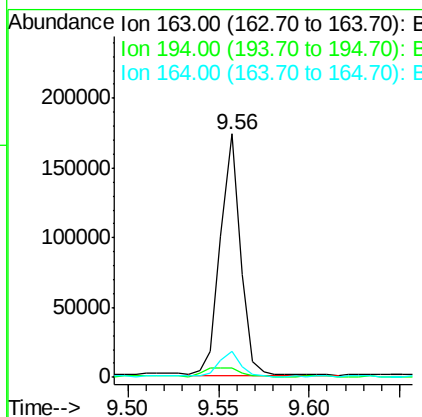
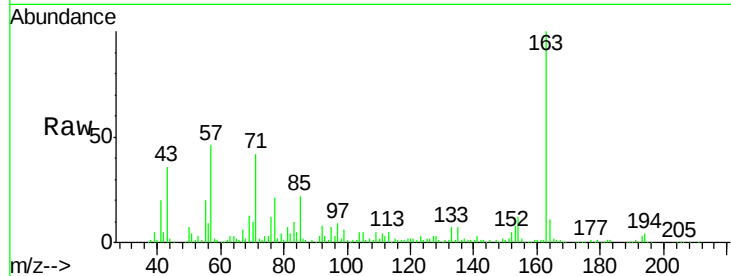
#49
Dimethylphthalate
Concen: 6.002 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF104636.D
Acq: 19 Apr 2018 18:58

Instrument :
BNA_F
ClientSampleId :
20180244-AMEND-COMP-ARX

Tot Ion	Ratio	Resp	Lower	Upper
163	100	134179		
194	3.6	2.7	4.1	
164	10.7	8.2	12.2	

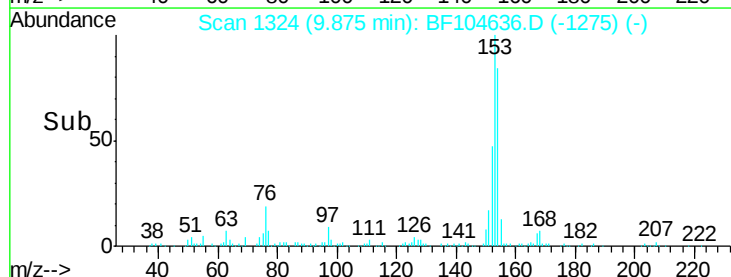
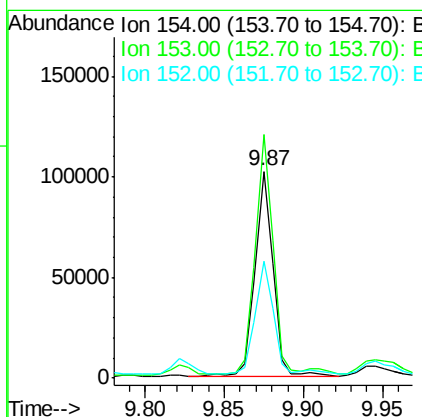
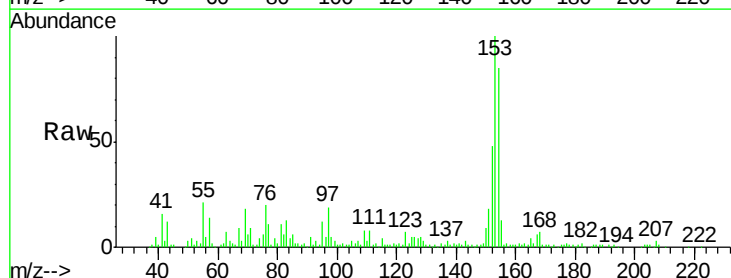
Manual Integrations
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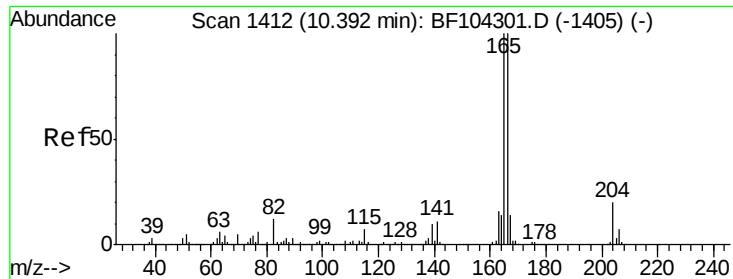
Sohil
4/20/2018 3:05:23 PM



#51
Acenaphthene
Concen: 4.495 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF104636.D
Acq: 19 Apr 2018 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	80940		
153	117.6	91.2	136.8	
152	56.4	43.8	65.8	





#57

Fluorene

Concen: 5.588 ng

RT: 10.39 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BF104636.D

Acq: 19 Apr 2018 18:58

Instrument :

BNA_F

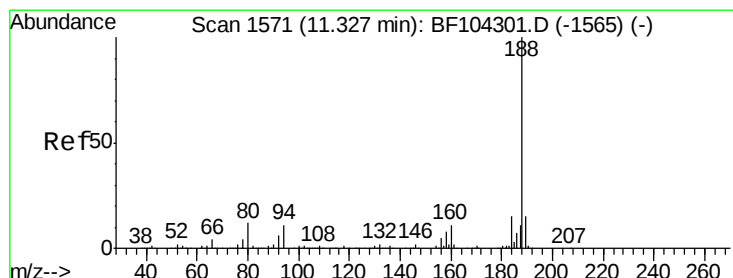
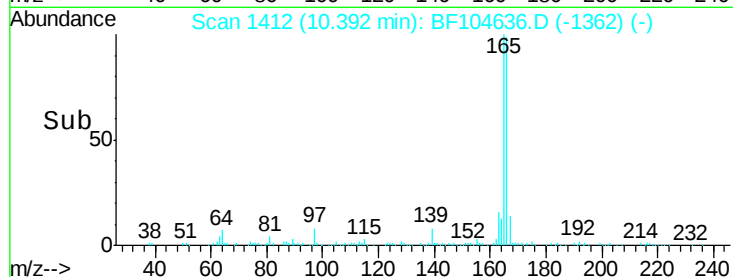
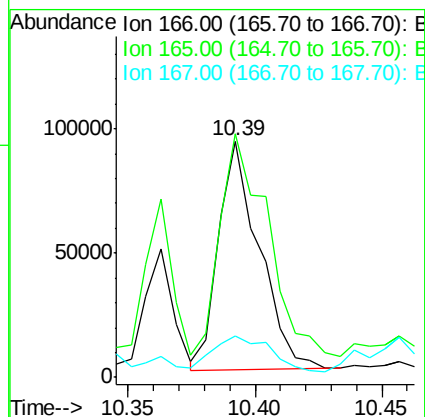
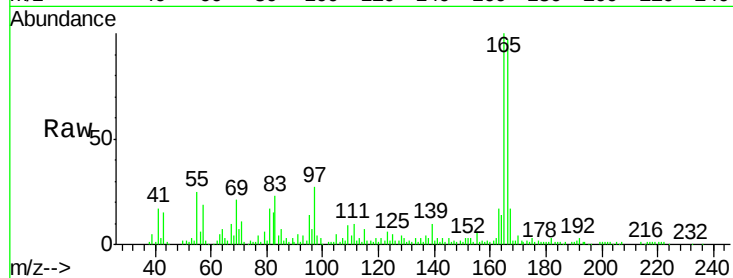
ClientSampleId :

20180244-AMEND-COMP-ARX

Tot Ion:	166	Resp:	102071
Ion Ratio	Lower	Upper	
166	100		
165	103.2	79.8	119.8
167	17.3	10.6	16.0#

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Sohil
4/20/2018 3:05:23 PM



#63

Phenanthrene-d10

Concen: 20.000 ng

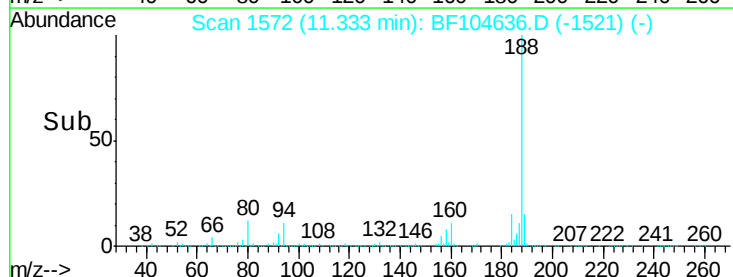
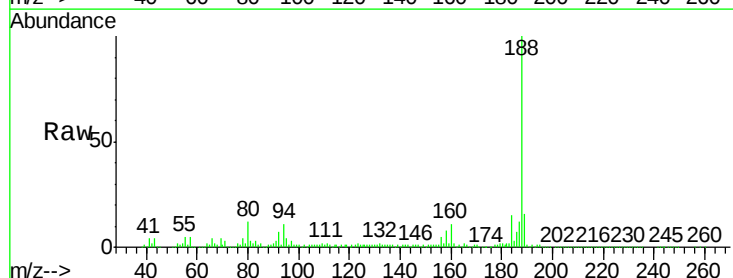
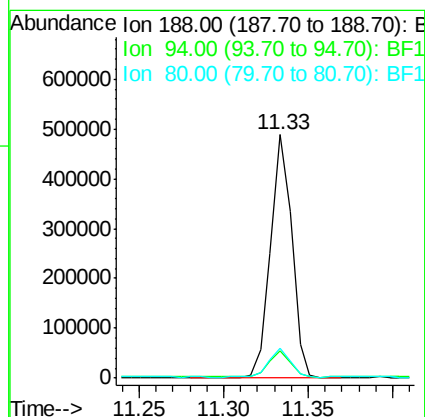
RT: 11.33 min Scan# 1572

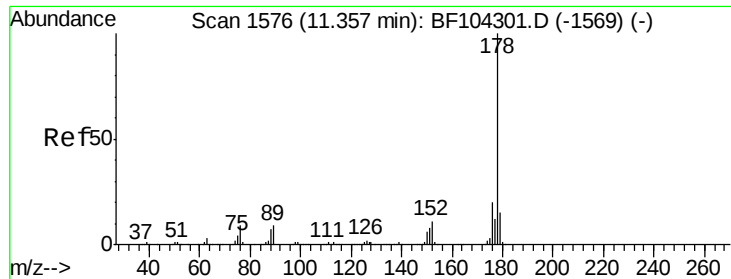
Delta R.T. 0.00 min

Lab File: BF104636.D

Acq: 19 Apr 2018 18:58

Tgt Ion:	188	Resp:	427771
Ion Ratio	Lower	Upper	
188	100		
94	11.2	8.5	12.7
80	12.3	9.2	13.8





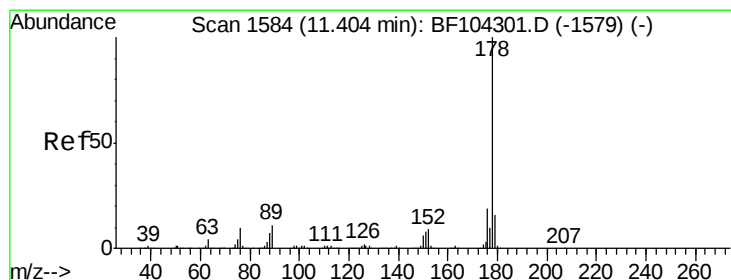
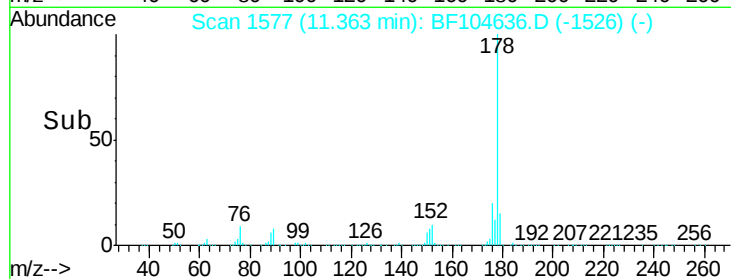
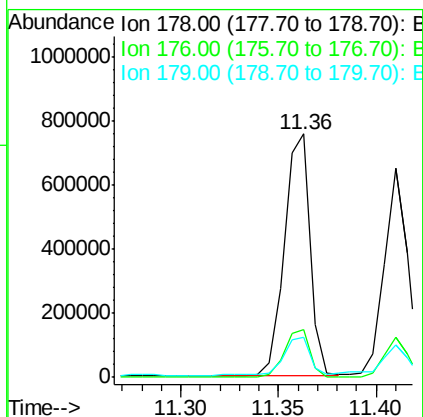
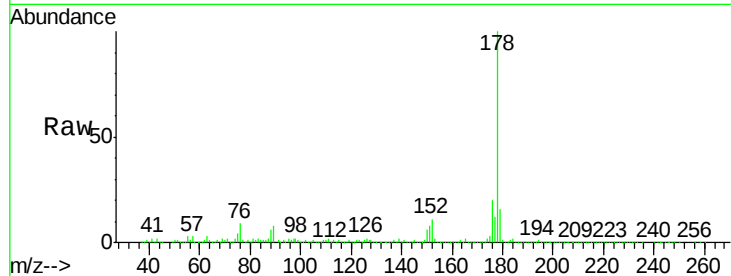
#70
Phenanthrene
Concen: 28.825 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BF104636.D
Acq: 19 Apr 2018 18:58

Instrument :
BNA_F
ClientSampleId :
20180244-AMEND-COMP-ARX

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	16.3	13.0	19.6

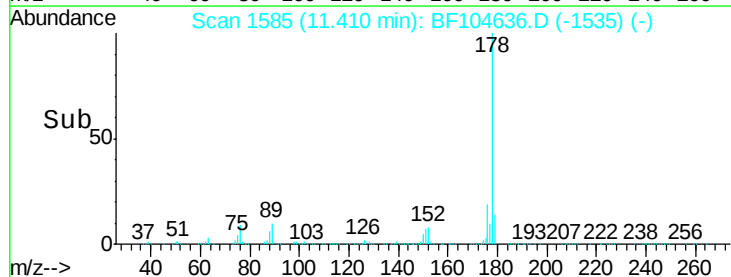
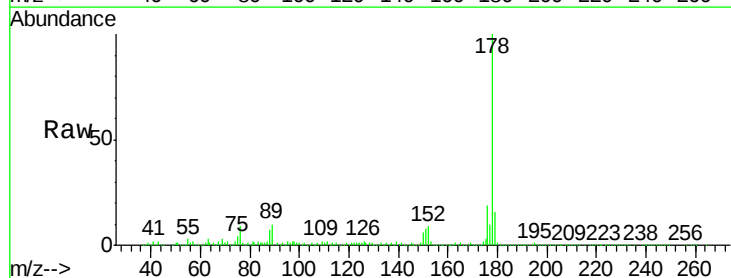
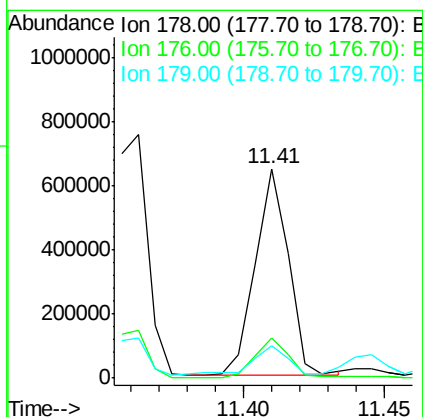
Manual Integrations
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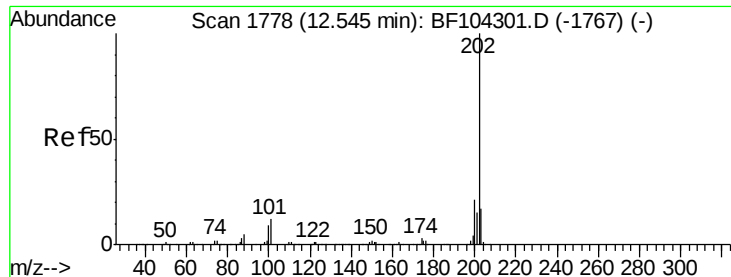
Sohil
4/20/2018 3:05:23 PM



#71
Anthracene
Concen: 21.782 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF104636.D
Acq: 19 Apr 2018 18:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.8	12.6	19.0





#74

Fluoranthene

Concen: 39.572 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BF104636.D

Acq: 19 Apr 2018 18:58

Instrument :

BNA_F

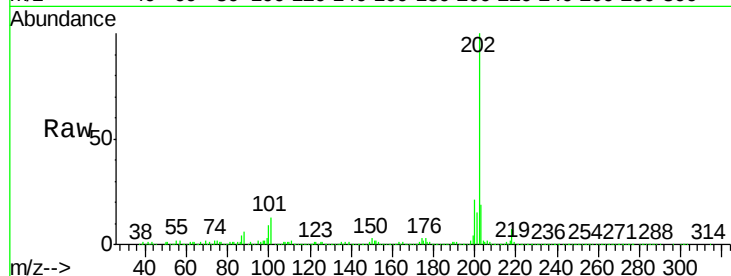
ClientSampleId :

20180244-AMEND-COMP-ARX

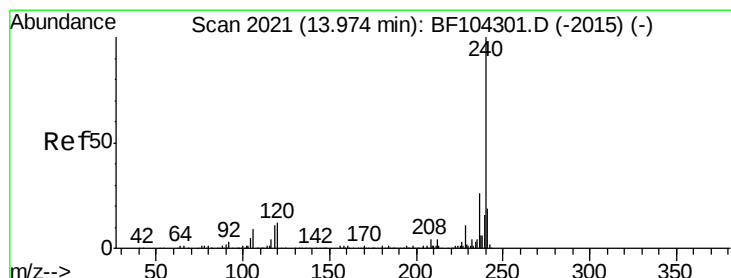
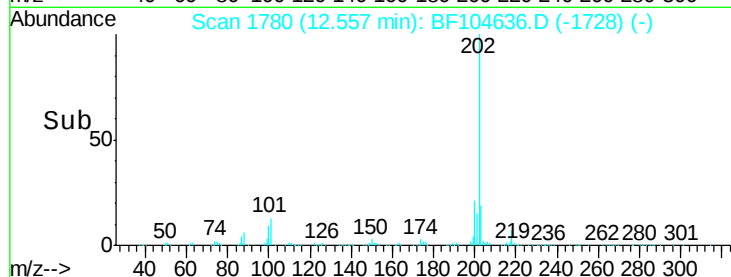
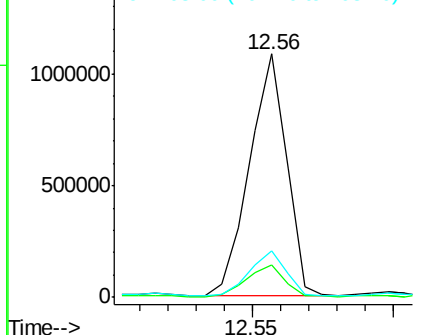
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		984944		
101	13.1	0.0	34.1		
203	18.9	0.0	38.1		

Manual Integrations
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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: 13.99 min Scan# 2023

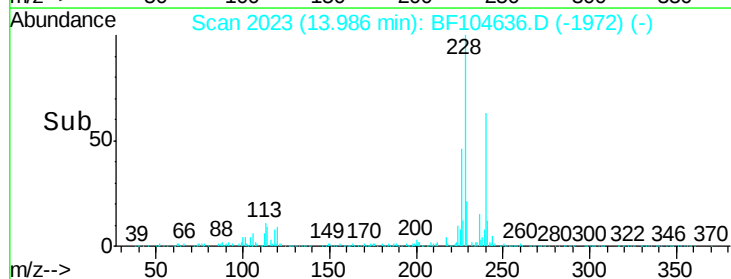
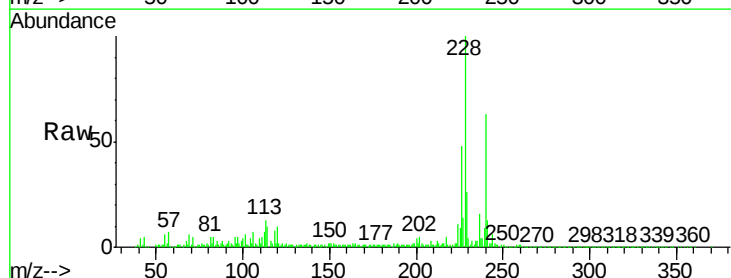
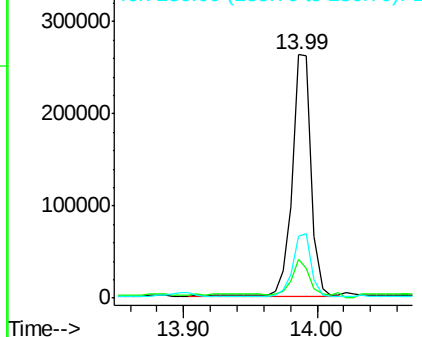
Delta R.T. 0.00 min

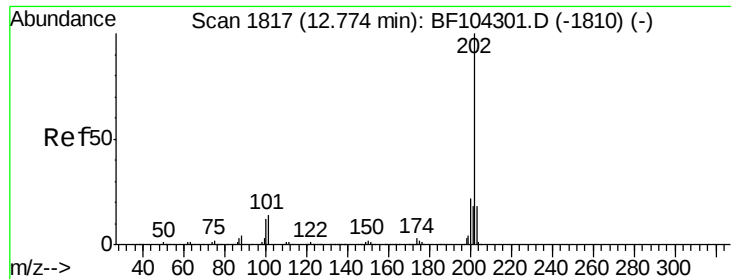
Lab File: BF104636.D

Acq: 19 Apr 2018 18:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		262955		
120	15.7	9.5	14.3#		
236	25.6	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: 70.829 ng

RT: 12.79 min Scan# 1820

Delta R.T. 0.01 min

Lab File: BF104636.D

Acq: 19 Apr 2018 18:58

Instrument :

BNA_F

ClientSampleId :

20180244-AMEND-COMP-ARX

Tot Ion:202 Resp: 1380532

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

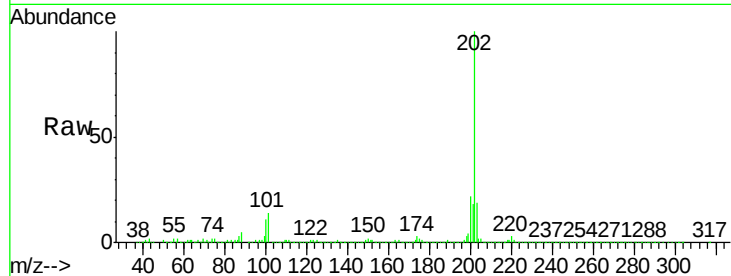
203 18.6 14.3 21.5

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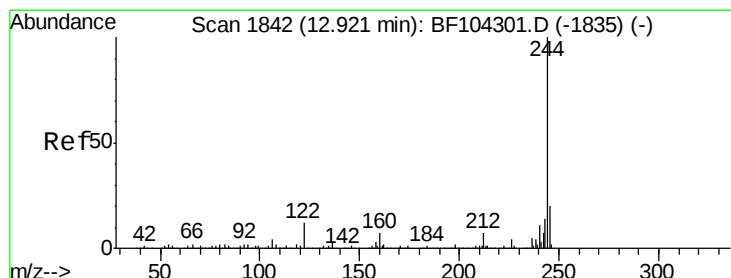
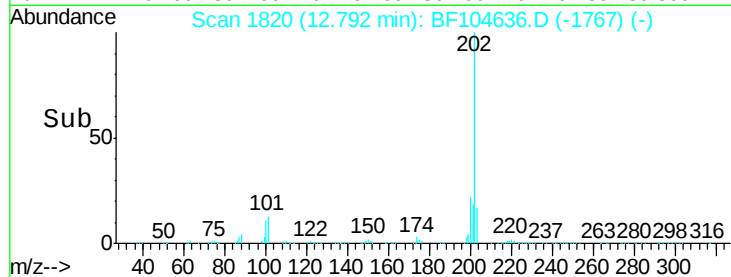
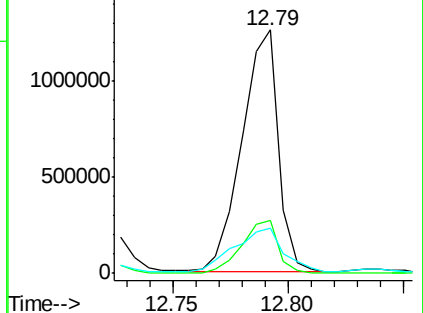
4/20/2018 3:05:23 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 83.552 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104636.D

Acq: 19 Apr 2018 18:58

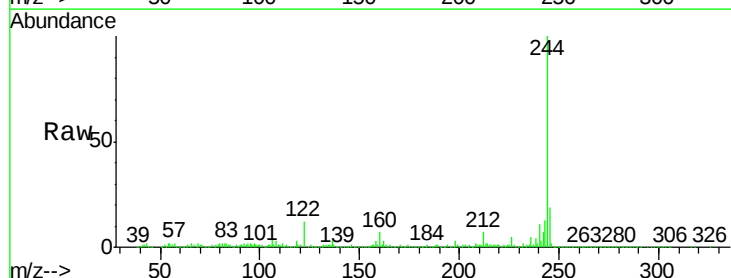
Tgt Ion:244 Resp: 963688

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

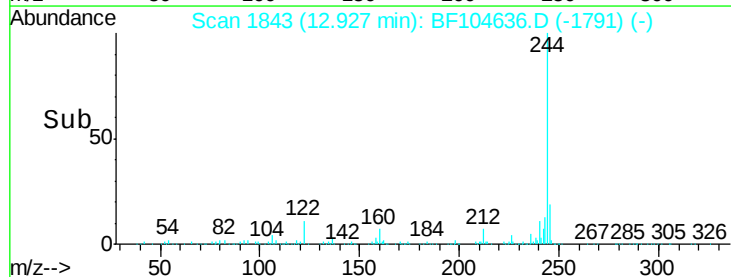
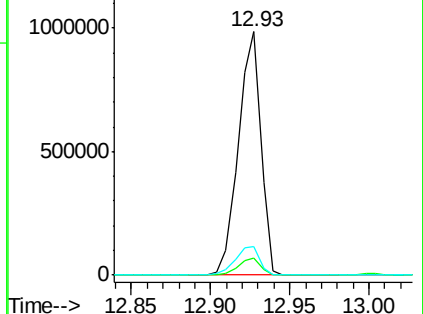
122 11.6 11.0 16.4

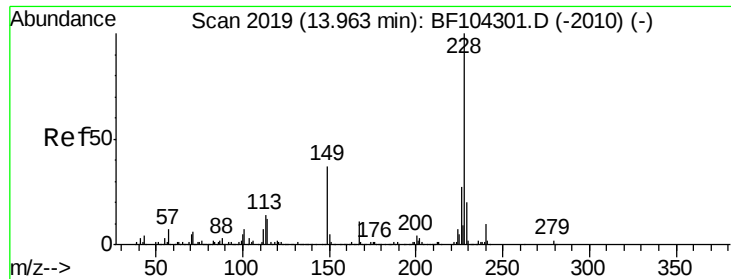


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





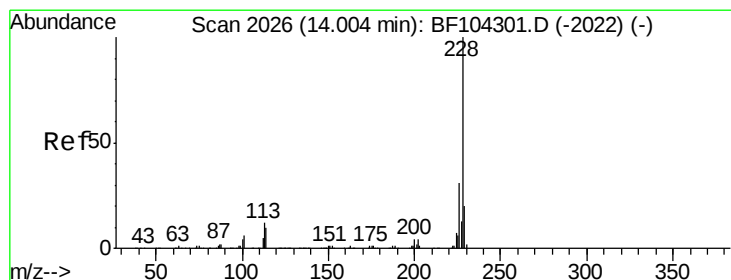
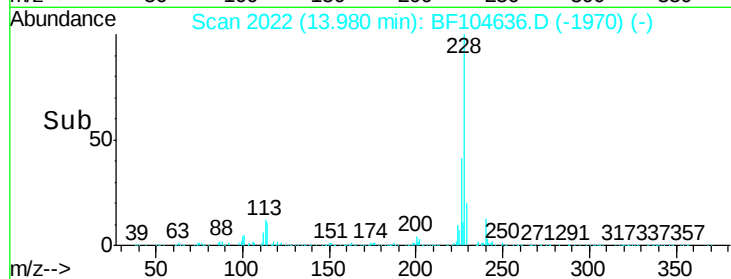
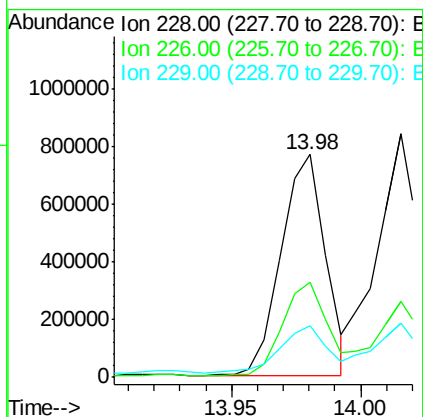
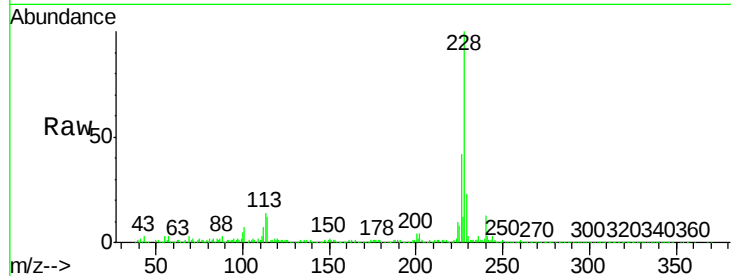
#80
Benzo(a)anthracene
Concen: 57.939 ng m
RT: 13.98 min Scan# 2022
Delta R.T. 0.01 min
Lab File: BF104636.D
Acq: 19 Apr 2018 18:58

Instrument :
BNA_F
ClientSampleId :
20180244-AMEND-COMP-ARX

Tot Ion	Ratio	Lower	Upper
228	100		
226	42.4	22.6	33.8#
229	22.9	15.8	23.6

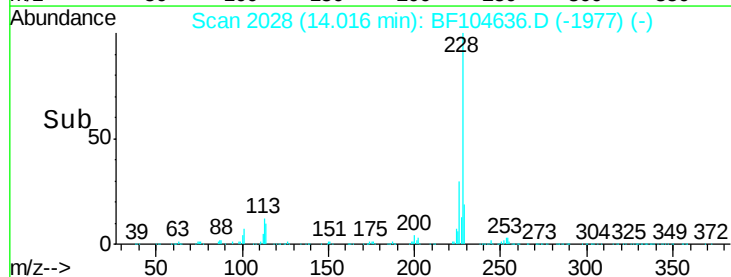
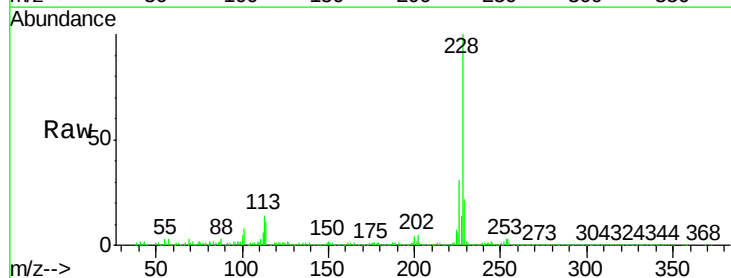
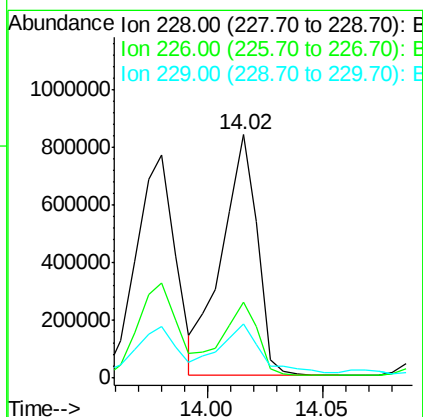
Manual Integrations
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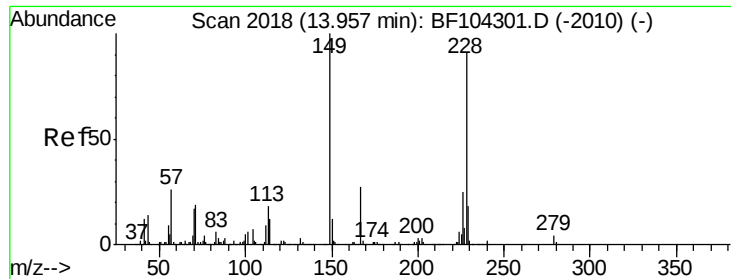
Sohil
4/20/2018 3:05:23 PM



#82
Chrysene
Concen: 55.331 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF104636.D
Acq: 19 Apr 2018 18:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	22.0	16.2	24.4





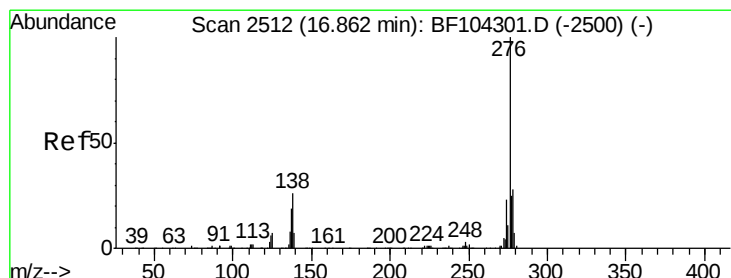
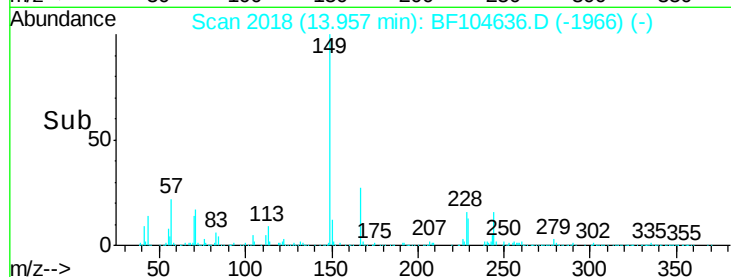
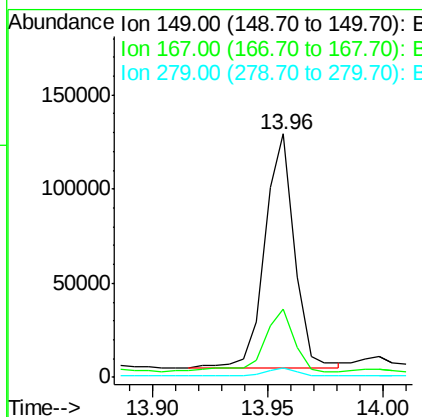
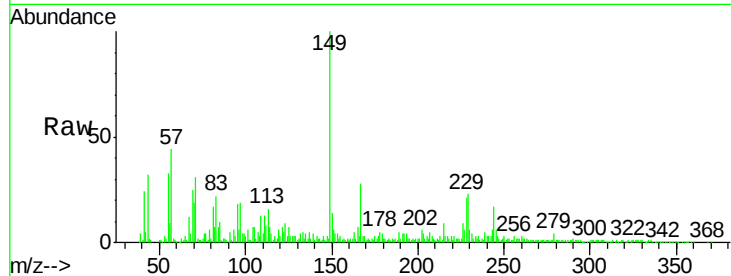
#83
Bis(2-ethylhexyl)phthalate
Concen: 9.389 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF104636.D
Acq: 19 Apr 2018 18:58

Instrument :
BNA_F
ClientSampleId :
20180244-AMEND-COMP-ARX

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	27.9	21.3	31.9	
279	3.9	3.0	4.4	

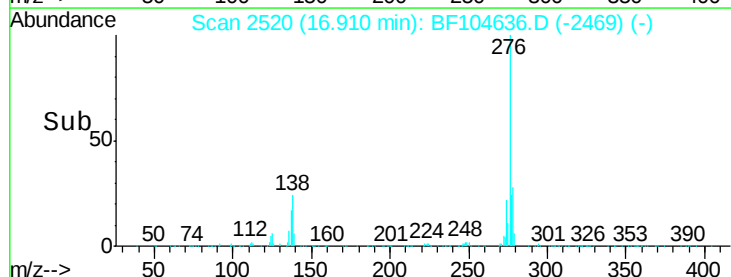
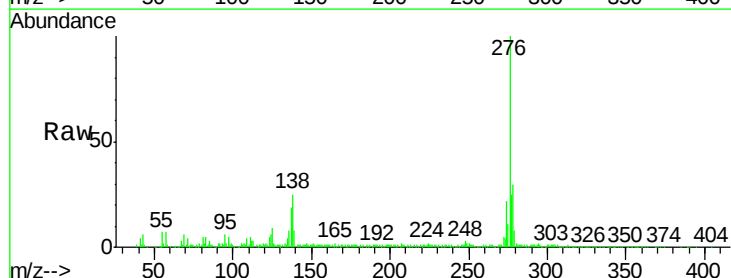
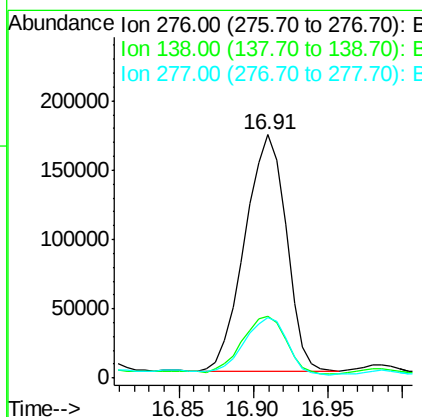
Manual Integrations
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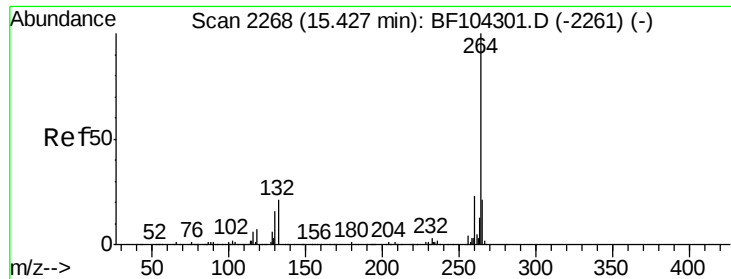
Sohil
4/20/2018 3:05:23 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 24.100 ng
RT: 16.91 min Scan# 2520
Delta R.T. 0.00 min
Lab File: BF104636.D
Acq: 19 Apr 2018 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	25.3	25.0	37.6	
277	25.5	20.1	30.1	





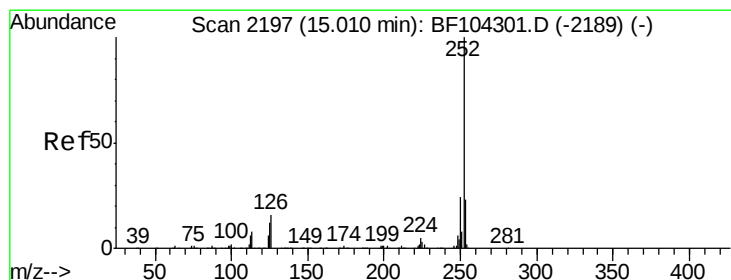
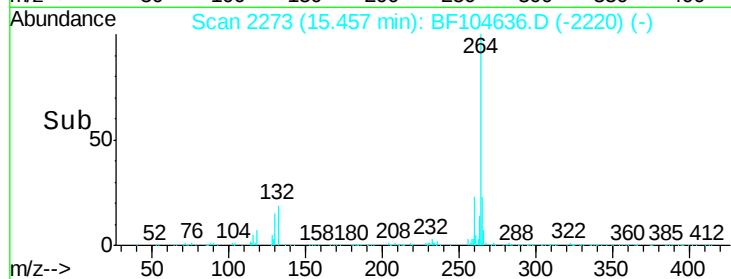
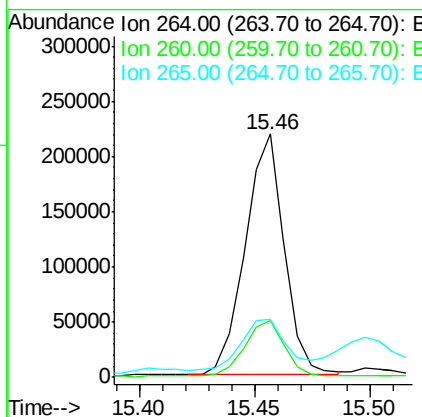
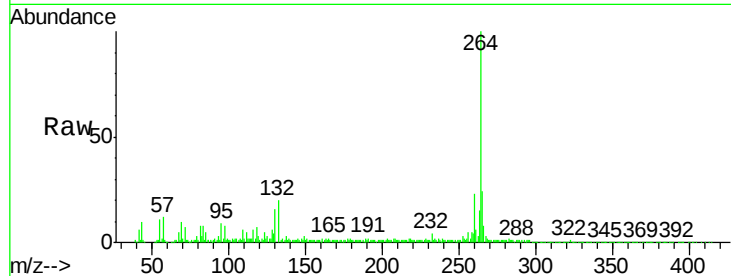
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF104636.D
Acq: 19 Apr 2018 18:58

Instrument :
BNA_F
ClientSampleId :
20180244-AMEND-COMP-ARX

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	23.8	17.5	26.3

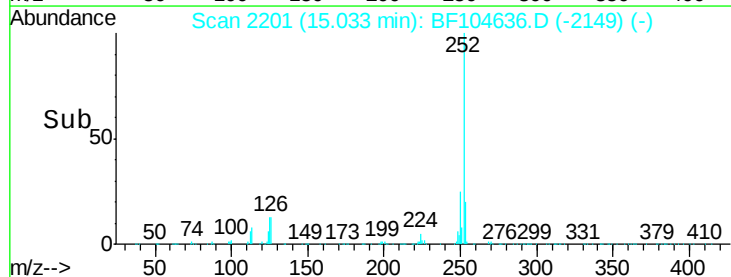
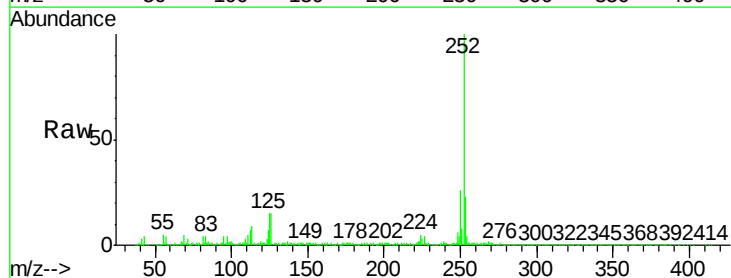
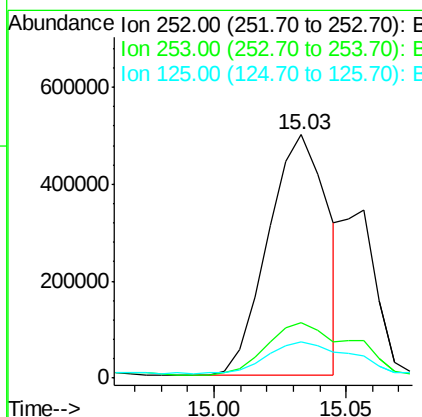
Manual Integrations
APPROVED

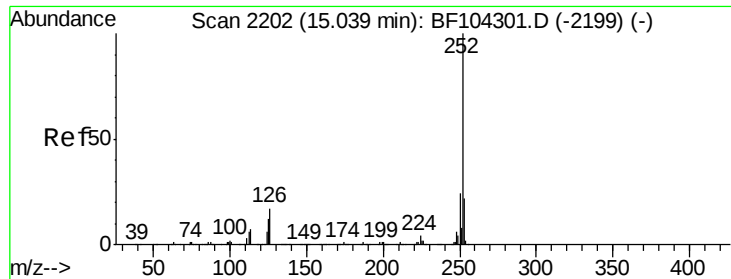
Sohil
4/20/2018 3:05:23 PM



#87
Benzo(b)fluoranthene
Concen: 47.993 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF104636.D
Acq: 19 Apr 2018 18:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	14.7	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 19.929 ng

RT: 15.06 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BF104636.D

Acq: 19 Apr 2018 18:58

Instrument :

BNA_F

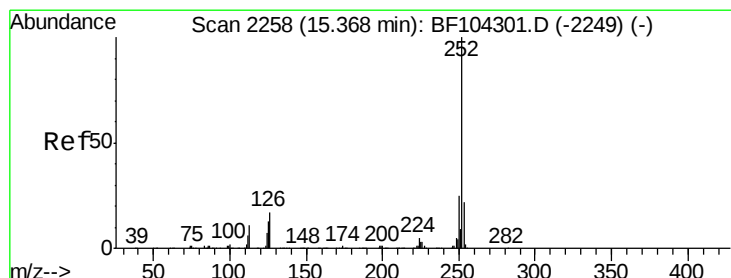
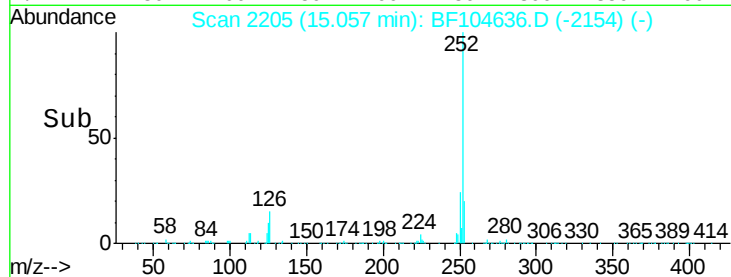
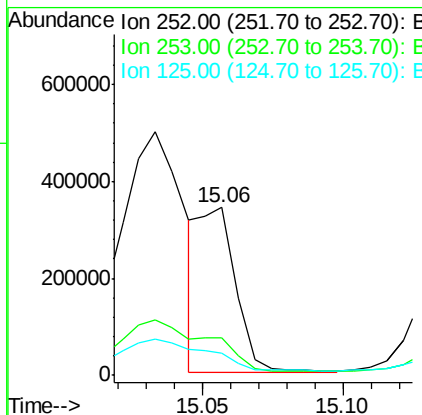
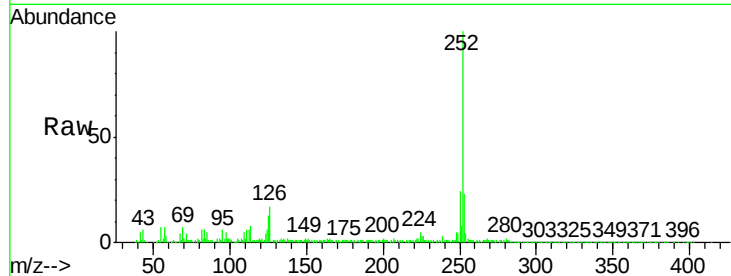
ClientSampleId :

20180244-AMEND-COMP-ARX

Tot Ion:	252	Resp:	304942
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.9	26.9
125	13.5	10.2	15.2

Manual Integrations
APPROVED

Sohil
4/20/2018 3:05:23 PM



#89

Benzo(a)pyrene

Concen: 59.308 ng

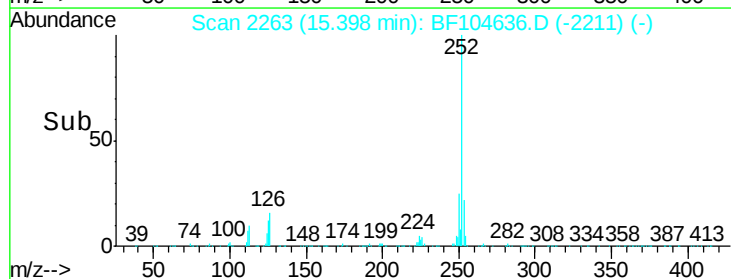
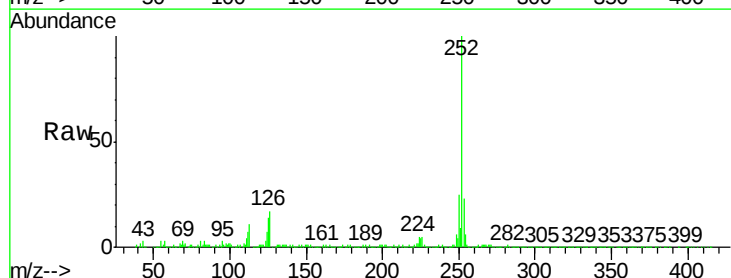
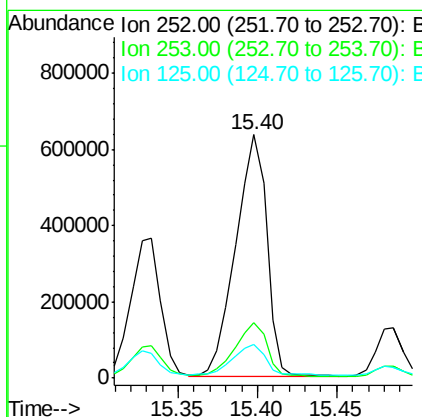
RT: 15.40 min Scan# 2263

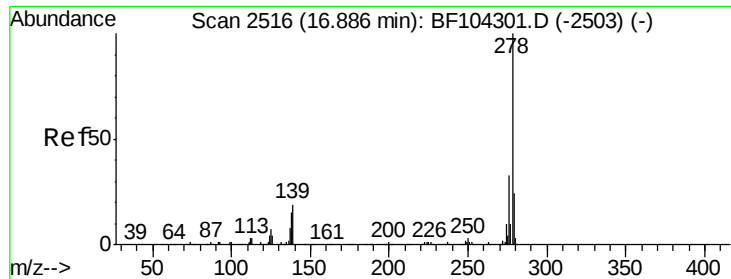
Delta R.T. 0.01 min

Lab File: BF104636.D

Acq: 19 Apr 2018 18:58

Tgt Ion:	252	Resp:	860052
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.1	25.7
125	13.8	9.8	14.6





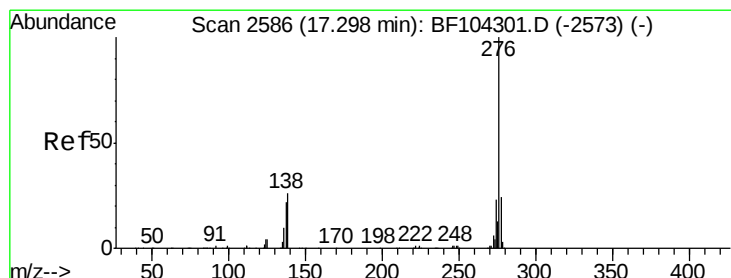
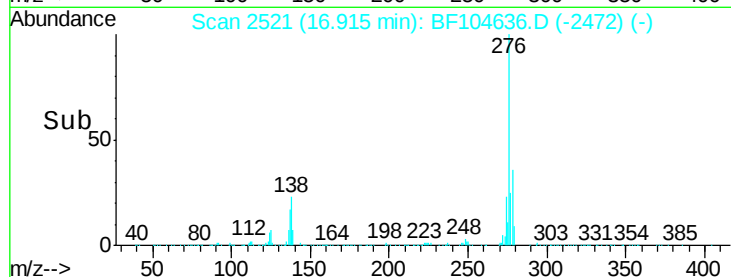
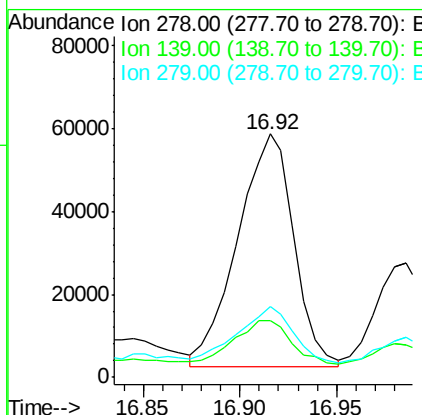
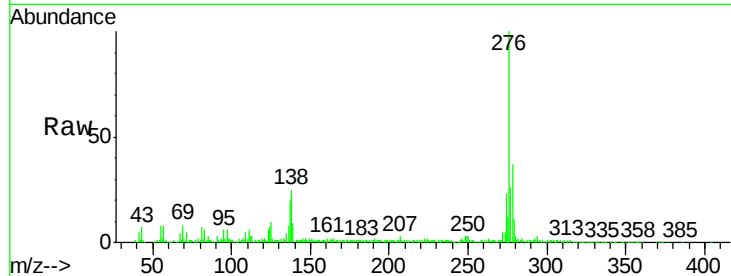
#90
Dibenzo(a,h)anthracene
Concen: 9.518 ng m
RT: 16.92 min Scan# 2521
Delta R.T. -0.01 min
Lab File: BF104636.D
Acq: 19 Apr 2018 18:58

Instrument :
BNA_F
ClientSampleId :
20180244-AMEND-COMP-ARX

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.2	15.9	23.9
279	29.0	19.0	28.4

Manual Integrations
APPROVED

Sohil
4/20/2018 3:05:23 PM



#91
Benzo(g,h,i)perylene
Concen: 29.195 ng
RT: 17.35 min Scan# 2595
Delta R.T. 0.00 min
Lab File: BF104636.D
Acq: 19 Apr 2018 18:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.9	26.9
138	26.6	21.8	32.8

