

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
 Data File : BF104638.D
 Acq On : 19 Apr 2018 19:51
 Operator : JU/SJ
 Sample : J2387-09RX
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 4/20/2018 3:05:28 PM

Quant Time: Apr 20 01:34:55 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	154531	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	615198	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	265882	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	391338	20.00	ng	0.00
75) Chrysene-d12	13.99	240	257308	20.00	ng	0.00
86) Perylene-d12	15.46	264	220433	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	173395	17.16	ng	0.00
7) Phenol-d6	6.45	99	845289	68.07	ng	0.00
23) Nitrobenzene-d5	7.37	82	950946	100.93	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	32468	11.77	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1191118	70.77	ng	0.00
78) Terphenyl-d14	12.93	244	881870	78.14	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.45	94	50644	3.844	ng	88
31) Naphthalene	8.11	128	96536	3.151	ng	99
37) 2-Methylnaphthalene	8.80	142	43888	2.215	ng	95
48) Acenaphthylene	9.70	152	453881	16.397	ng	99
49) Dimethylphthalate	9.56	163	115342	5.501	ng	# 99
51) Acenaphthene	9.87	154	89363	5.291	ng	99
57) Fluorene	10.39	166	86601	5.055	ng	99
70) Phenanthrene	11.36	178	434882	19.955	ng	99
71) Anthracene	11.41	178	433564	19.571	ng	99
74) Fluoranthene	12.56	202	875137	38.434	ng	98
77) Pyrene	12.79	202	1231410	64.564	ng	99
80) Benzo(a)anthracene	13.98	228	884592m	57.546	ng	
82) Chrysene	14.02	228	879659m	55.713	ng	
83) Bis(2-ethylhexyl)phthalate	13.96	149	62831	5.436	ng	100
85) Indeno(1,2,3-cd)pyrene	16.91	276	277248	20.671	ng	94
87) Benzo(b)fluoranthene	15.03	252	782056m	56.173	ng	
88) Benzo(k)fluoranthene	15.06	252	188468m	14.339	ng	
89) Benzo(a)pyrene	15.40	252	762756	61.232	ng	96
90) Dibenzo(a,h)anthracene	16.92	278	90279m	8.824	ng	
91) Benzo(a,h,i)perylene	17.35	276	286197	28.874	ng	96

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

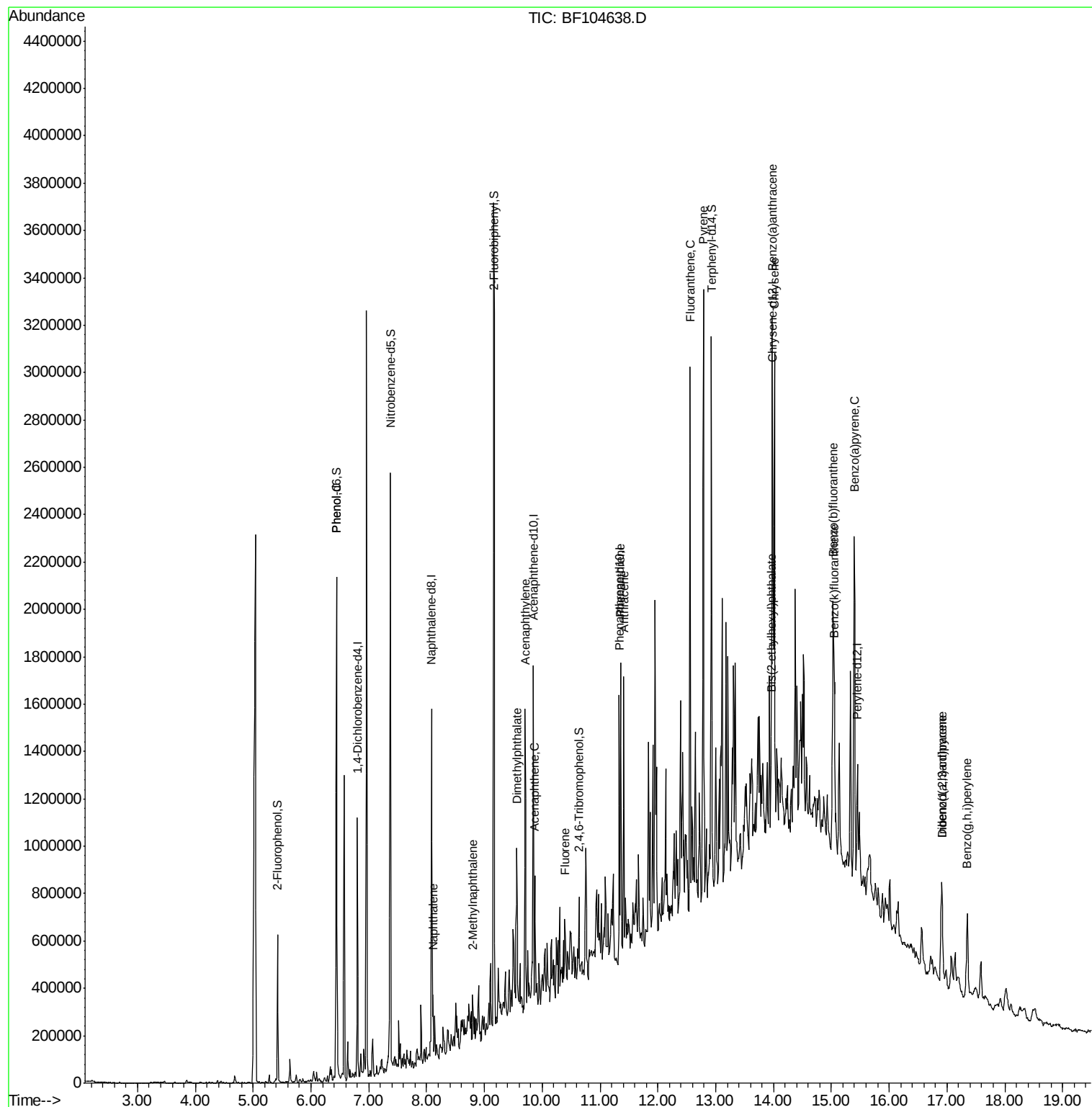
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
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#1

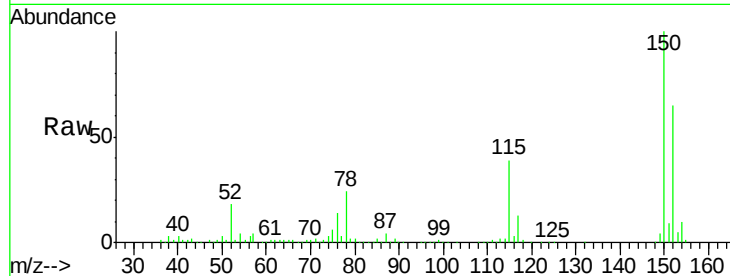
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104638.D
Acq: 19 Apr 2018 19:51

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.6	186.8
115	59.6	50.1	75.1

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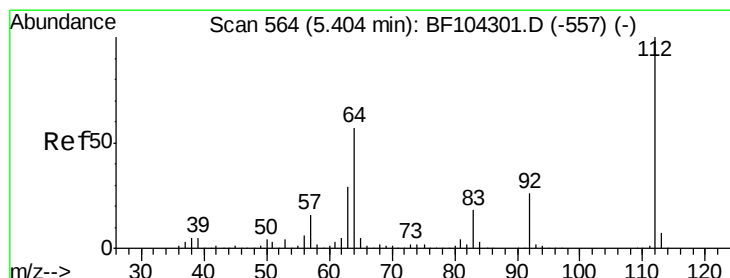
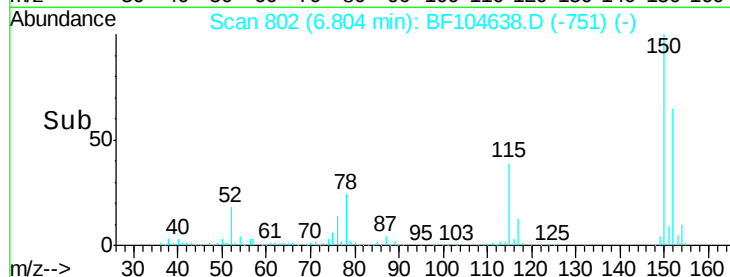
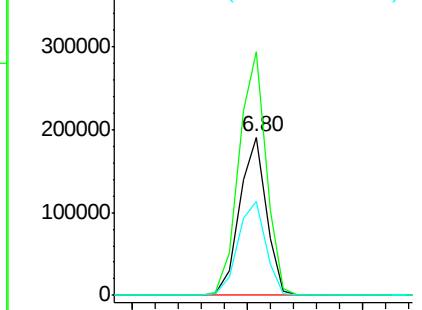


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

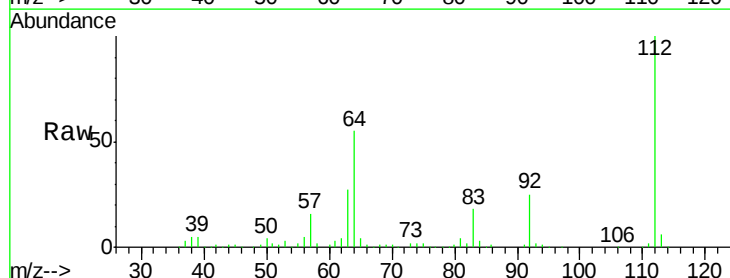
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 17.157 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104638.D
Acq: 19 Apr 2018 19:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	47.9	71.9
63	26.9	23.7	35.5

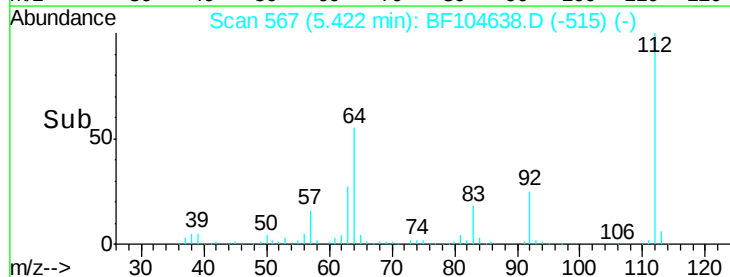
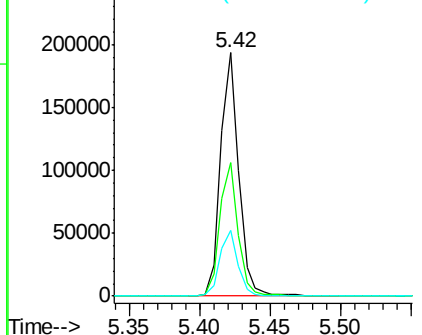


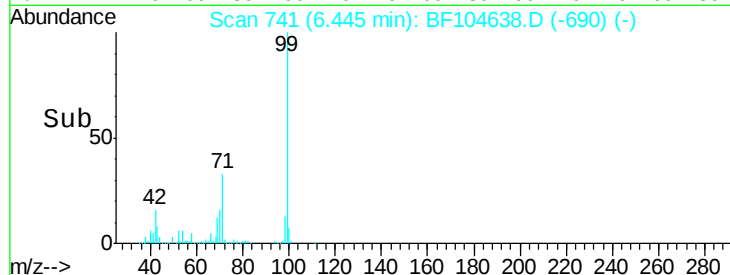
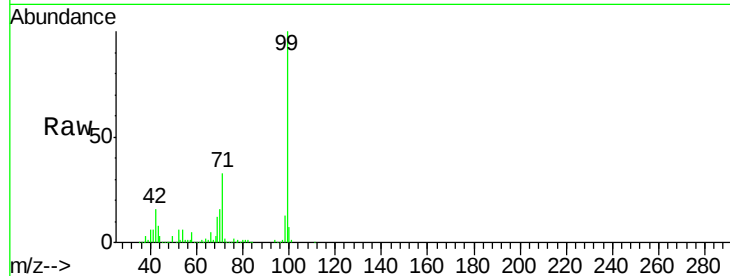
Abundance

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: 68.073 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104638.D

Acq: 19 Apr 2018 19:51

Tot Ion:	99	Resp:	845289
Ion	Ratio	Lower	Upper
99	100		
42	15.6	14.5	21.7
71	32.9	25.4	38.0

Instrument :

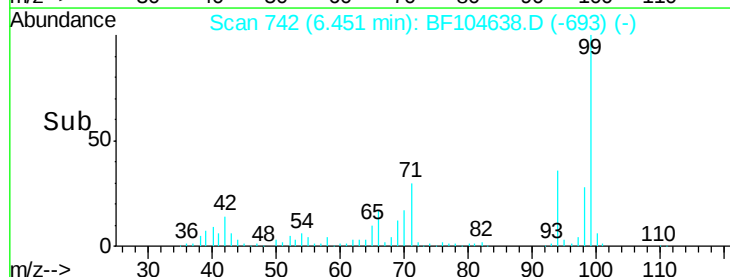
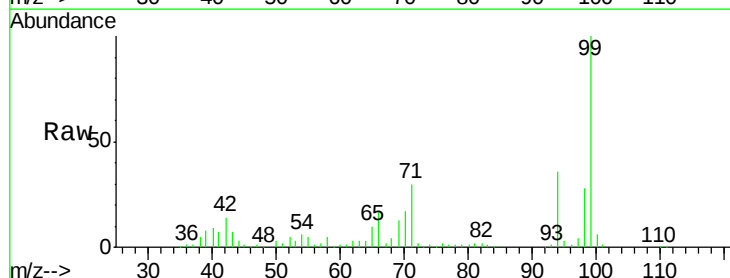
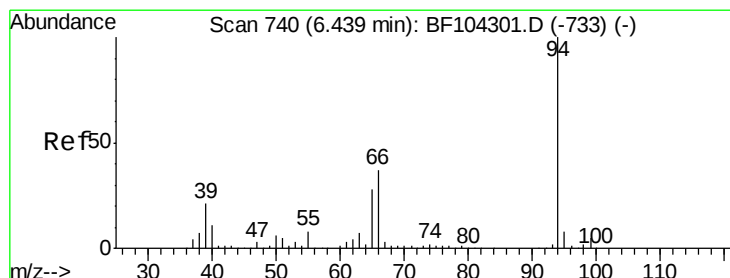
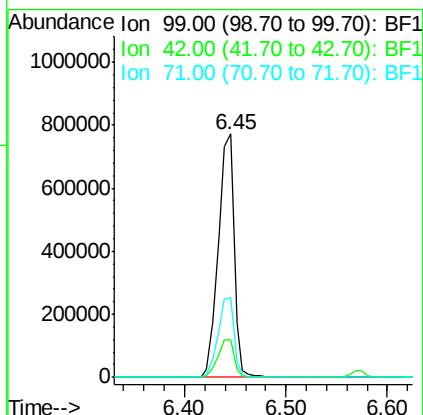
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#10

Phenol

Concen: 3.844 ng

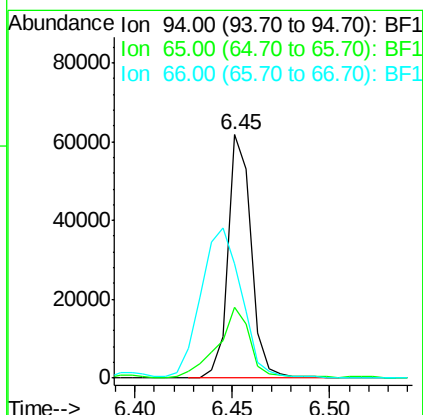
RT: 6.45 min Scan# 742

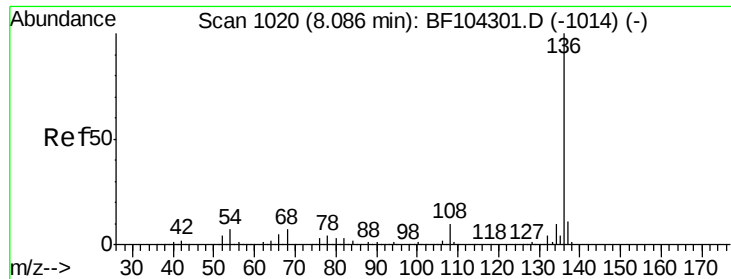
Delta R.T. -0.01 min

Lab File: BF104638.D

Acq: 19 Apr 2018 19:51

Tgt Ion:	94	Resp:	50644
Ion	Ratio	Lower	Upper
94	100		
65	29.2	7.9	47.9
66	47.2	16.2	56.2





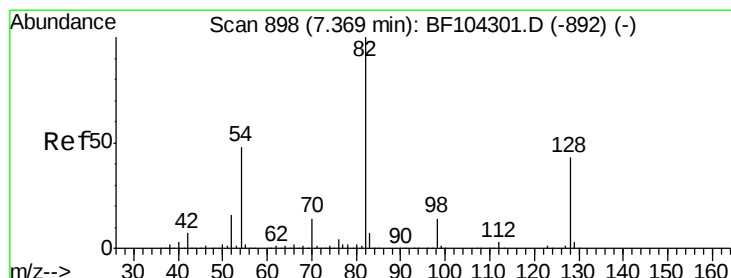
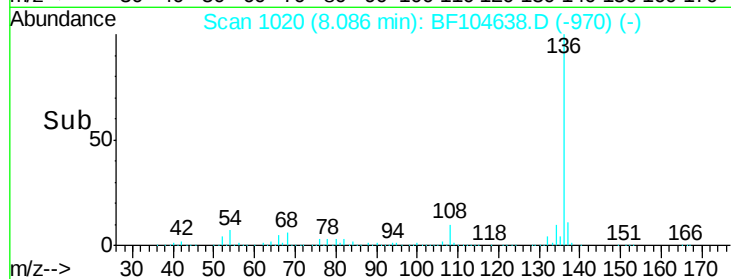
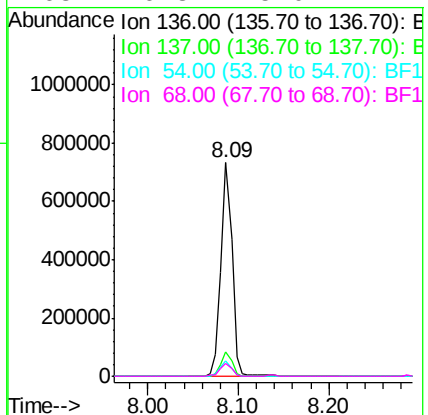
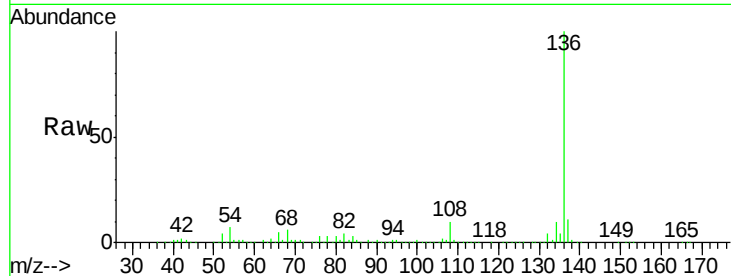
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104638.D
Acq: 19 Apr 2018 19:51

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		615198		
137	11.2		8.9	13.3	
54	7.3		6.6	9.8	
68	6.3		5.0	7.4	

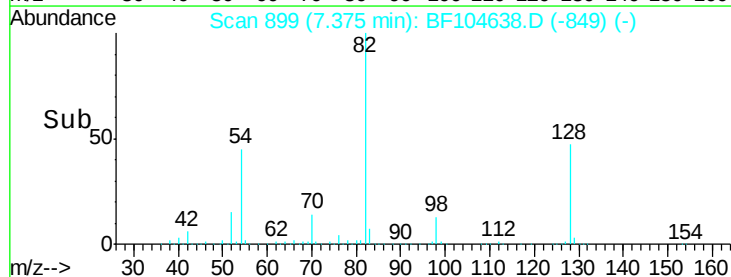
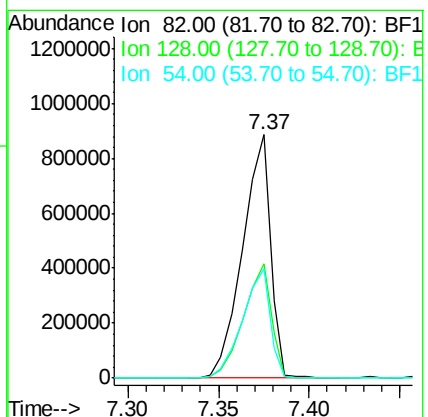
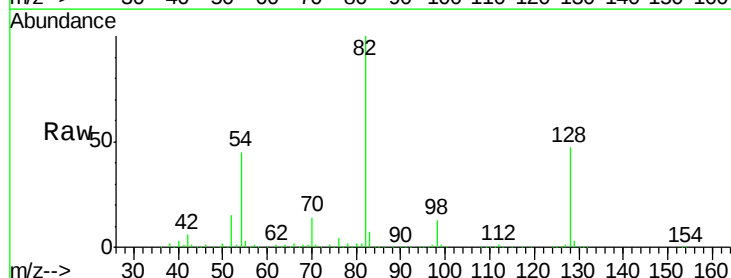
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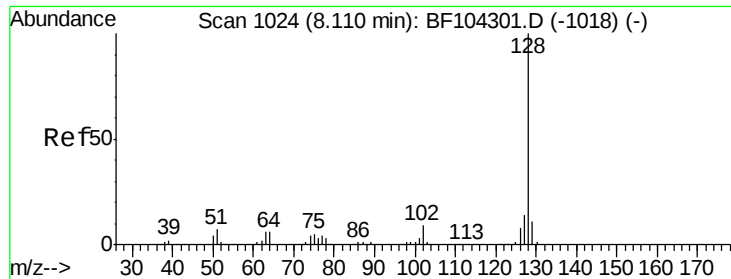
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#23
Nitrobenzene-d5
Concen: 100.935 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104638.D
Acq: 19 Apr 2018 19:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		950946		
128	46.8		36.1	54.1	
54	45.0		41.4	62.2	





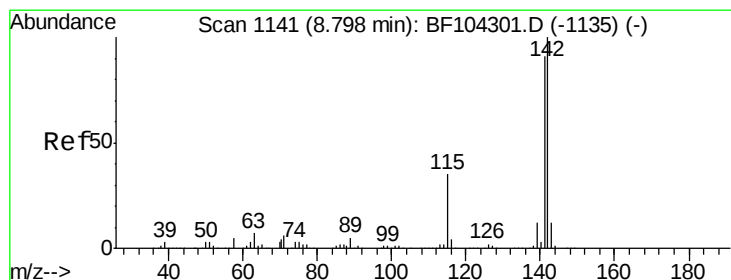
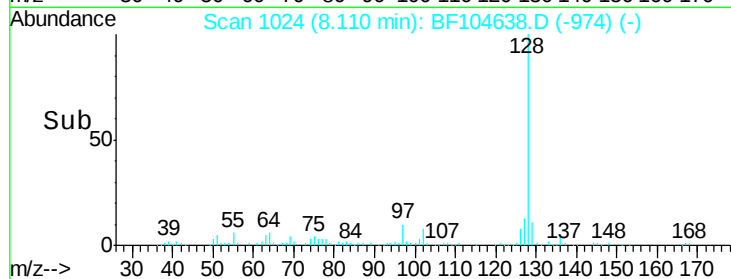
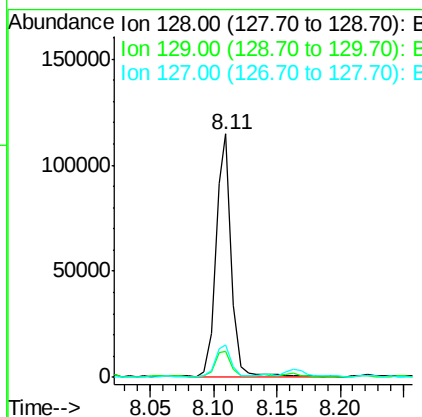
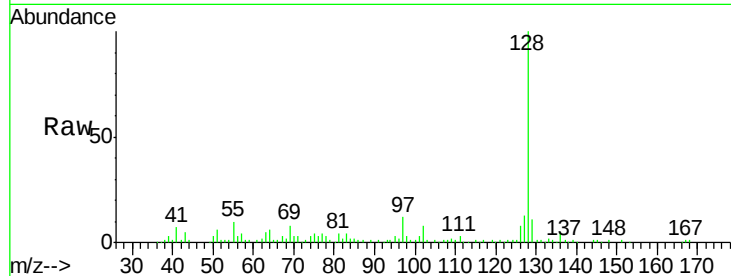
#31
Naphthalene
Concen: 3.151 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF104638.D
Acq: 19 Apr 2018 19:51

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

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.4	10.9	16.3

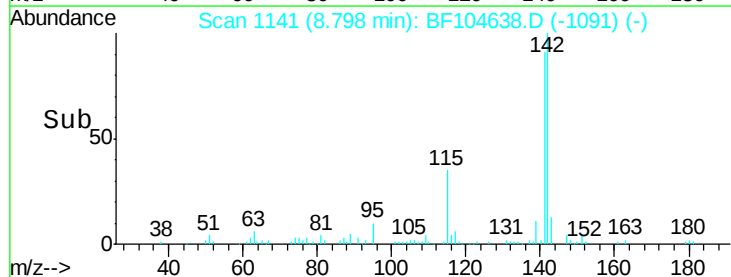
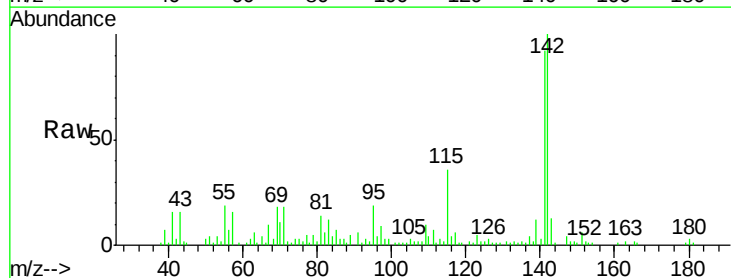
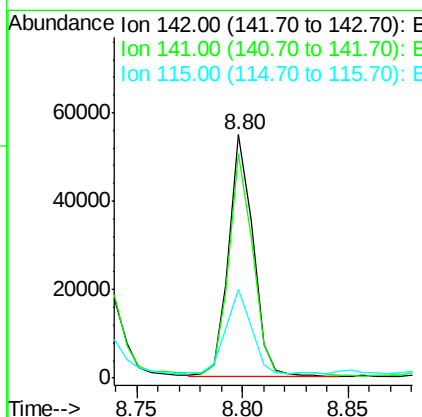
Manual Integrations
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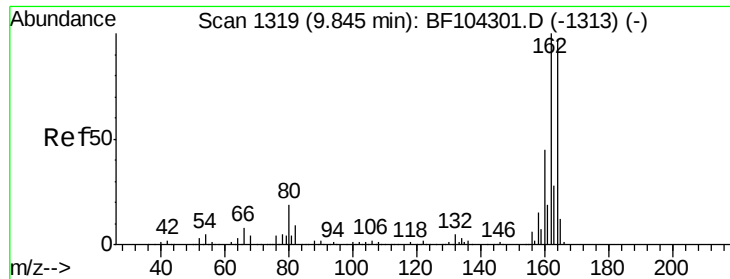
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#37
2-Methylnaphthalene
Concen: 2.215 ng
RT: 8.80 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF104638.D
Acq: 19 Apr 2018 19:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.3	70.8	106.2
115	36.2	26.1	39.1





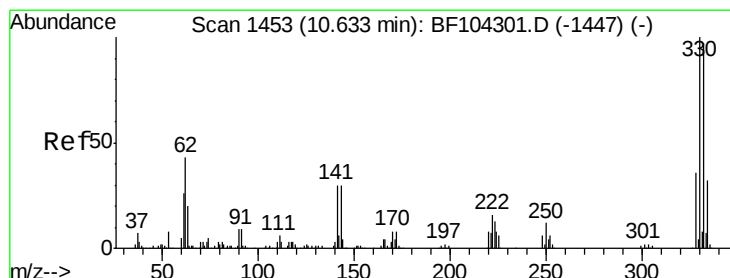
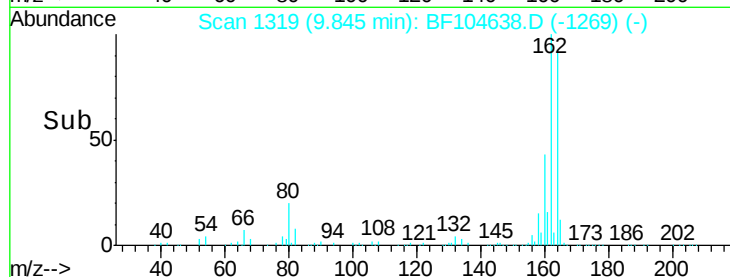
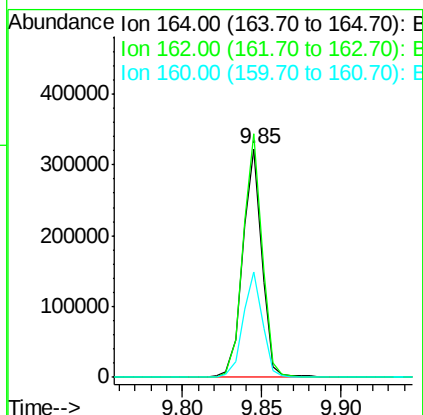
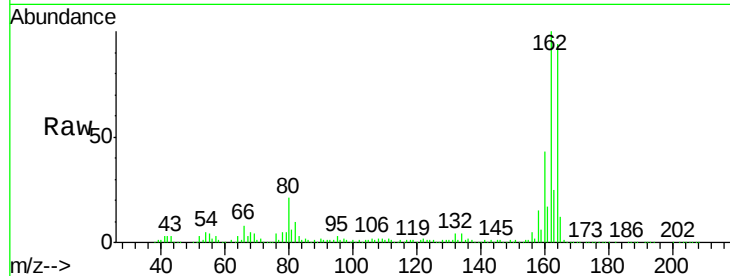
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF104638.D
 Acq: 19 Apr 2018 19:51

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

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	106.5	86.1	129.1	
160	46.1	38.3	57.5	

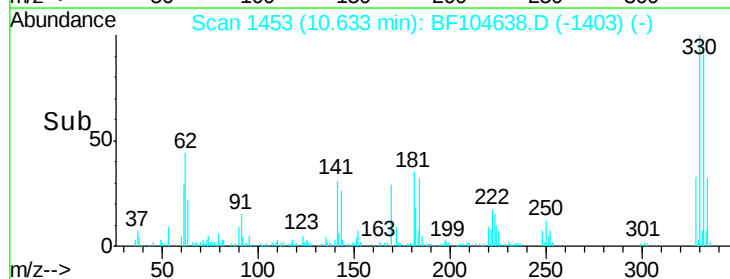
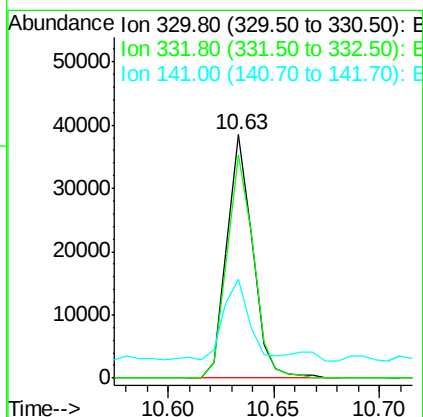
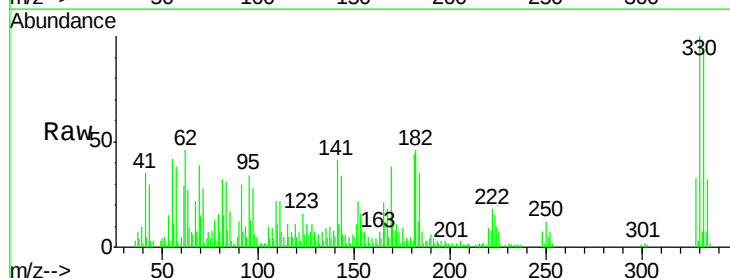
Manual Integrations
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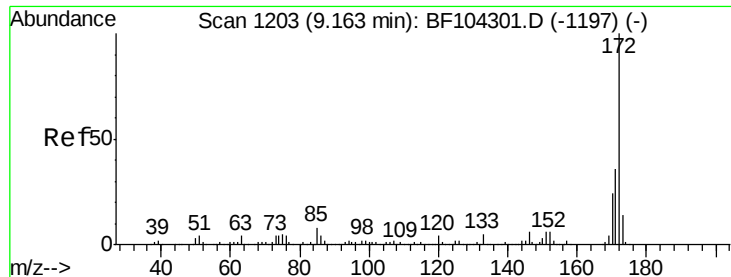
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#41
 2,4,6-Tribromophenol
 Concen: 11.772 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104638.D
 Acq: 19 Apr 2018 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.7	77.0	115.6	
141	33.1	29.9	44.9	





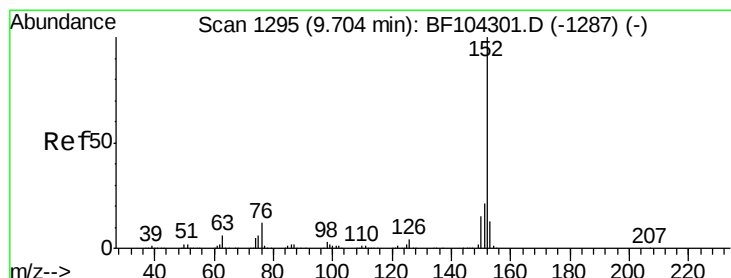
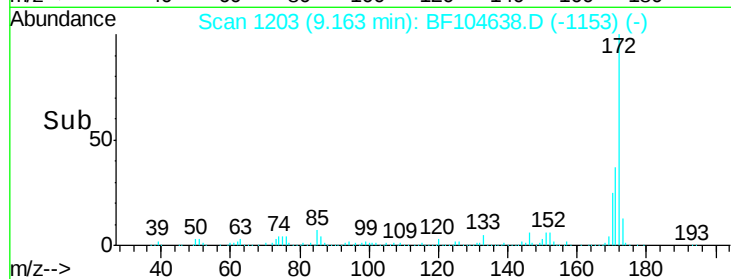
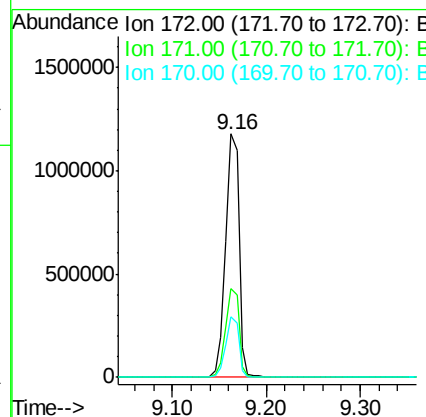
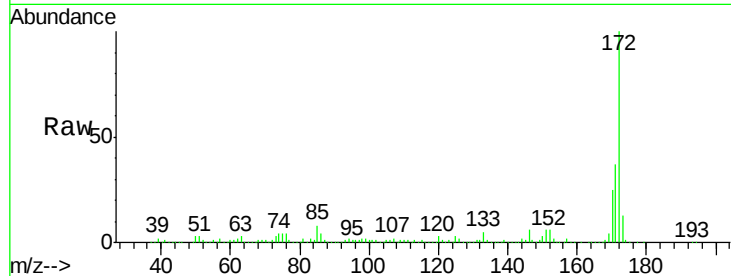
#44
 2-Fluorobiphenyl
 Concen: 70.771 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104638.D
 Acq: 19 Apr 2018 19:51

Instrument :
 BNA_F
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 20180246-AMEND-COMP-CRX

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.7	19.6	29.4

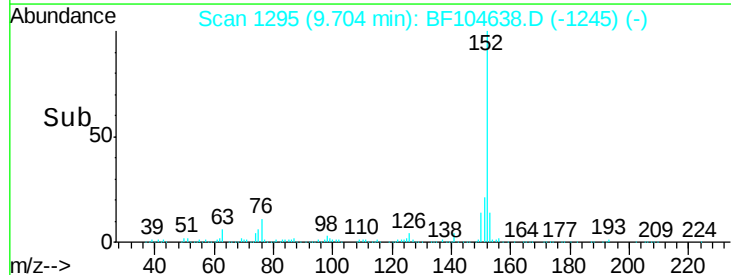
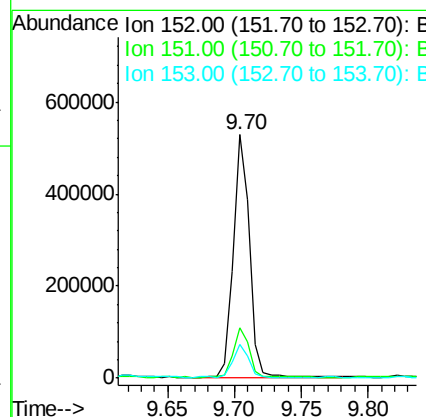
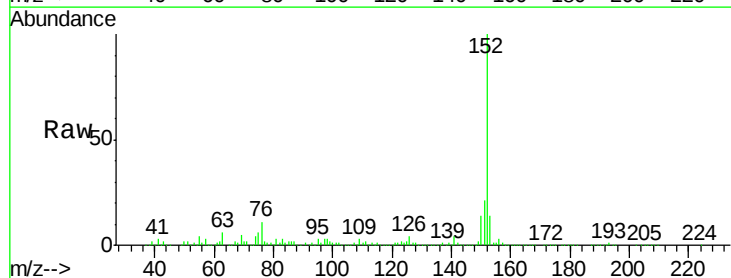
Manual Integrations
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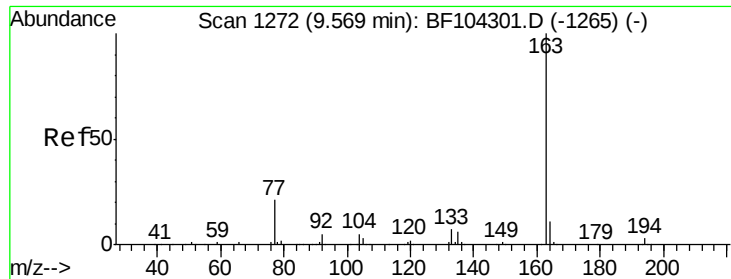
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#48
 Acenaphthylene
 Concen: 16.397 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BF104638.D
 Acq: 19 Apr 2018 19:51

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.3	24.5
153	14.0	10.7	16.1





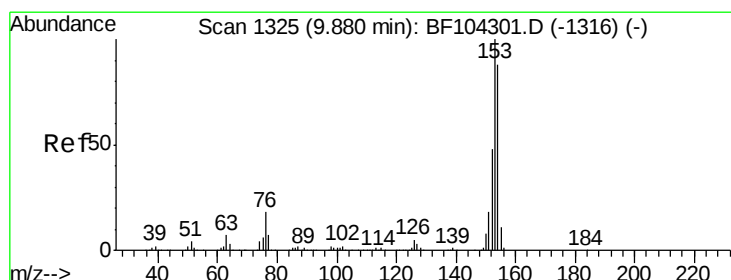
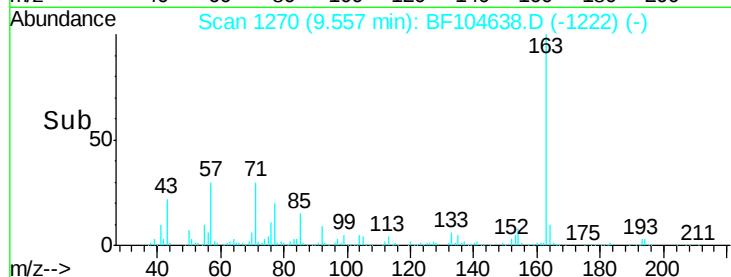
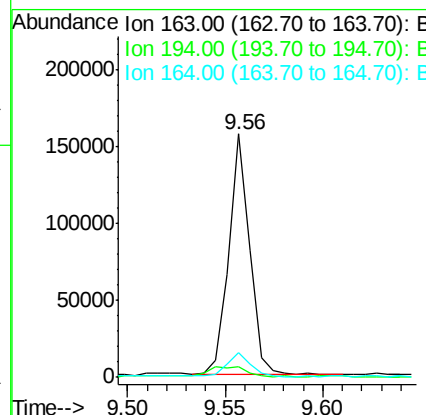
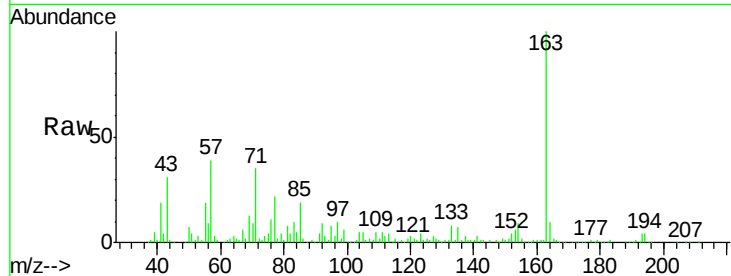
#49
Dimethylphthalate
Concen: 5.501 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF104638.D
Acq: 19 Apr 2018 19:51

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

Tot Ion	Ratio	Resp	Lower	Upper
163	100	115342		
194	4.5	2.7	4.1#	
164	10.3	8.2	12.2	

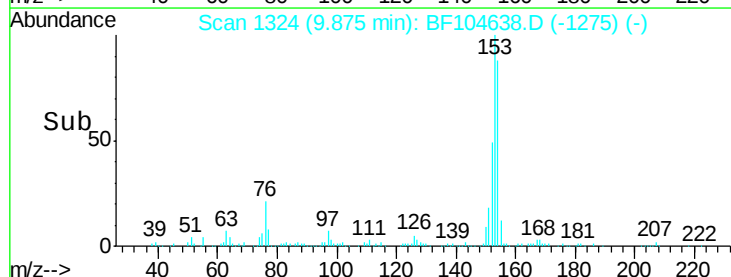
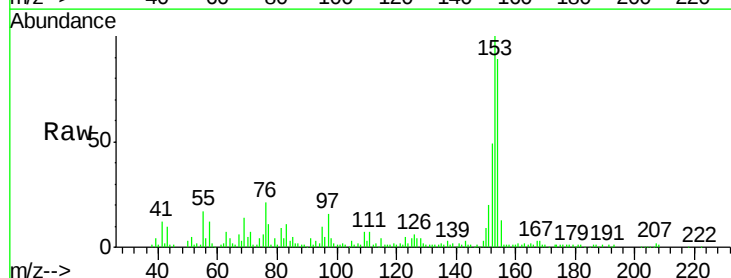
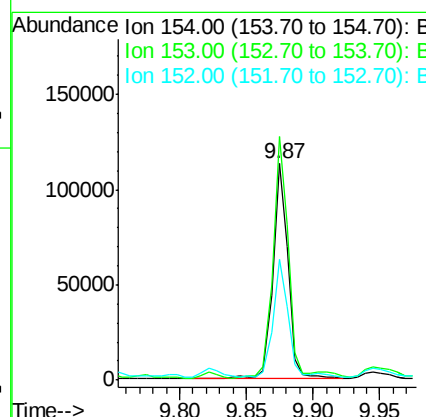
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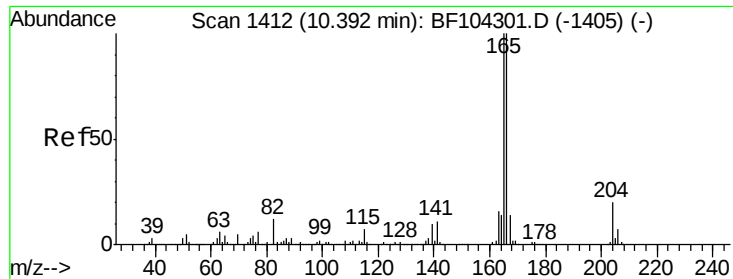
Sohil
4/20/2018 3:05:28 PM



#51
Acenaphthene
Concen: 5.291 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF104638.D
Acq: 19 Apr 2018 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	89363		
153	112.5	91.2	136.8	
152	55.6	43.8	65.8	





#57

Fluorene

Concen: 5.055 ng

RT: 10.39 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BF104638.D

Acq: 19 Apr 2018 19:51

Instrument :

BNA_F

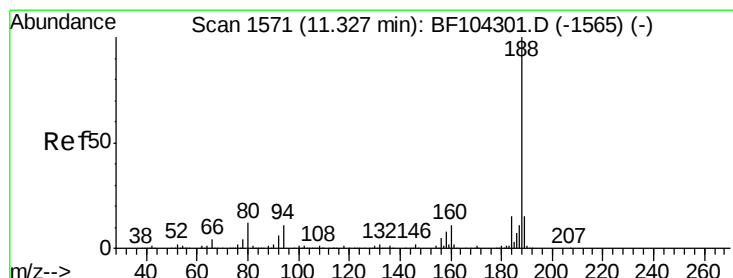
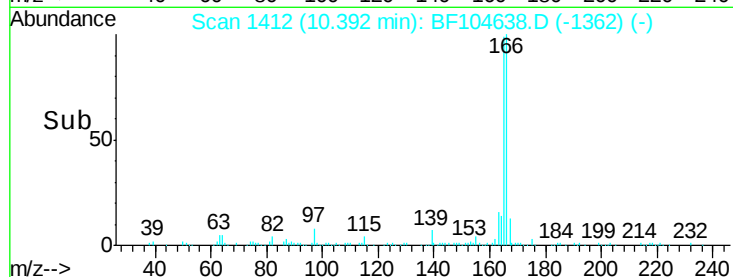
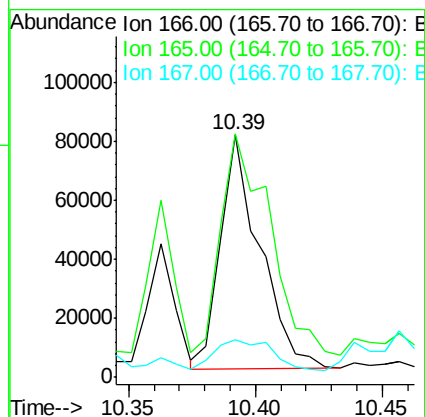
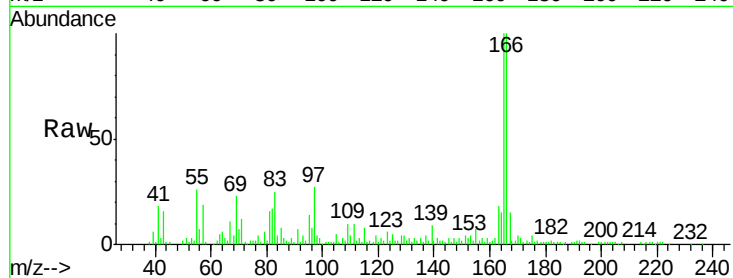
ClientSampleId :

20180246-AMEND-COMP-CRX

Tot Ion:	166	Resp:	86601
Ion Ratio	Lower	Upper	
166	100		
165	100.2	79.8	119.8
167	15.5	10.6	16.0

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4/20/2018 3:05:28 PM



#63

Phenanthrene-d10

Concen: 20.000 ng

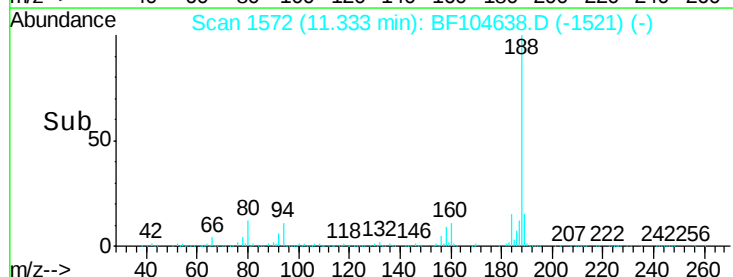
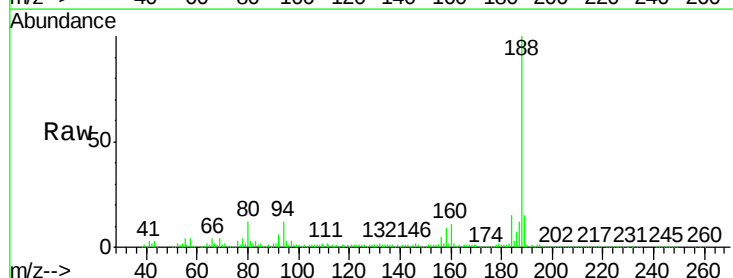
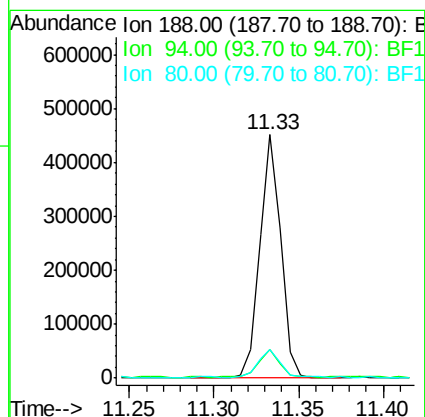
RT: 11.33 min Scan# 1572

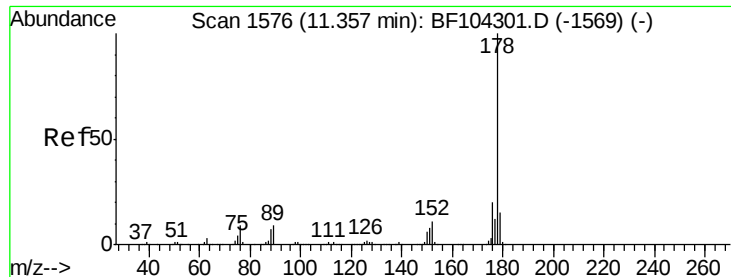
Delta R.T. 0.00 min

Lab File: BF104638.D

Acq: 19 Apr 2018 19:51

Tgt Ion:	188	Resp:	391338
Ion Ratio	Lower	Upper	
188	100		
94	11.9	8.5	12.7
80	11.9	9.2	13.8





#70

Phenanthrene

Concen: 19.955 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF104638.D

Acq: 19 Apr 2018 19:51

Instrument :

BNA_F

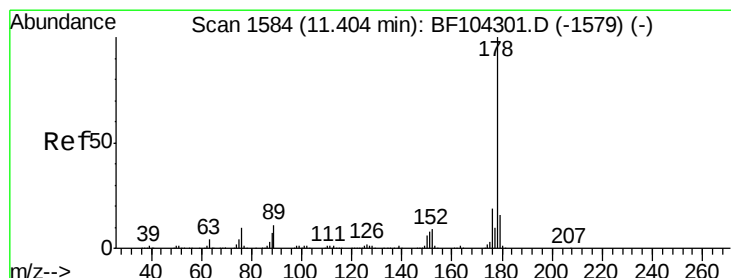
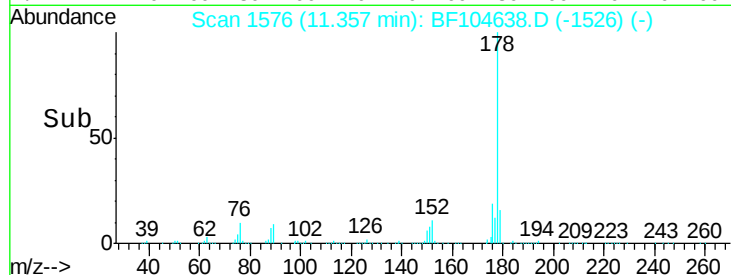
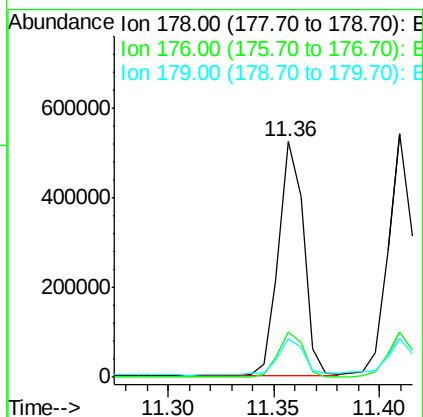
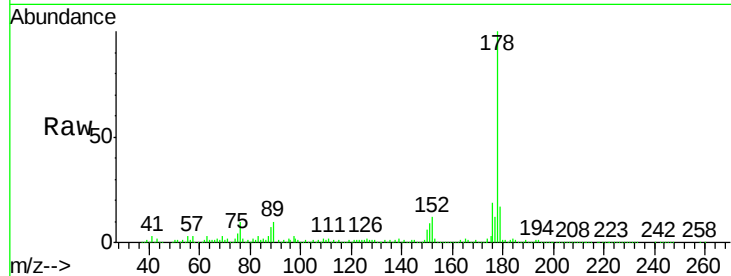
ClientSampleId :

20180246-AMEND-COMP-CRX

Tot Ion:178	Resp:	434882
Ion Ratio	Lower	Upper
178	100	
176	19.1	15.8 23.8
179	16.7	13.0 19.6

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#71

Anthracene

Concen: 19.571 ng

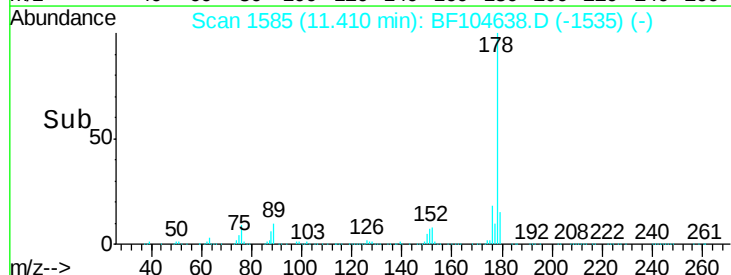
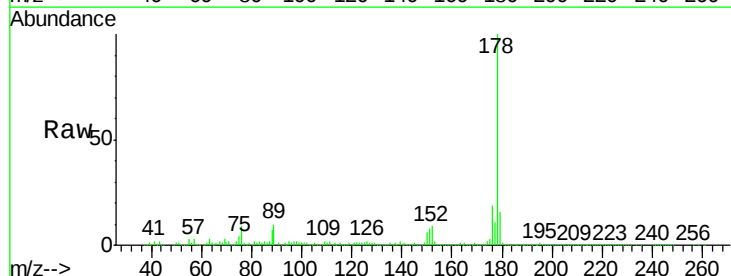
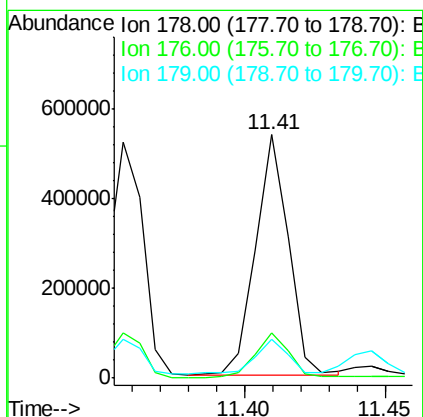
RT: 11.41 min Scan# 1585

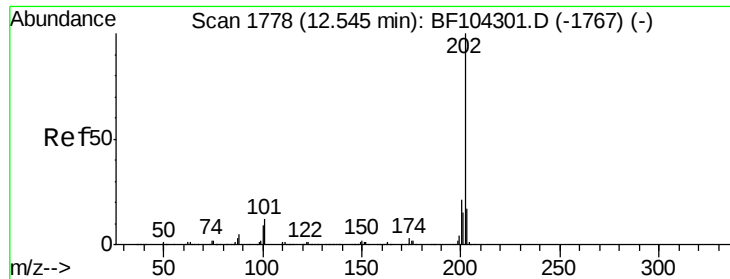
Delta R.T. -0.01 min

Lab File: BF104638.D

Acq: 19 Apr 2018 19:51

Tgt Ion:178	Resp:	433564
Ion Ratio	Lower	Upper
178	100	
176	18.8	15.4 23.2
179	16.1	12.6 19.0





#74

Fluoranthene

Concen: 38.434 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BF104638.D

Acq: 19 Apr 2018 19:51

Instrument :

BNA_F

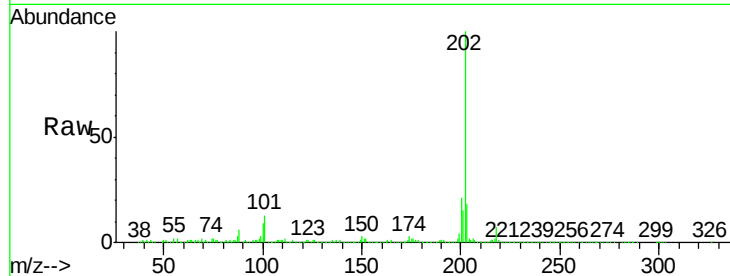
ClientSampleId :

20180246-AMEND-COMP-CRX

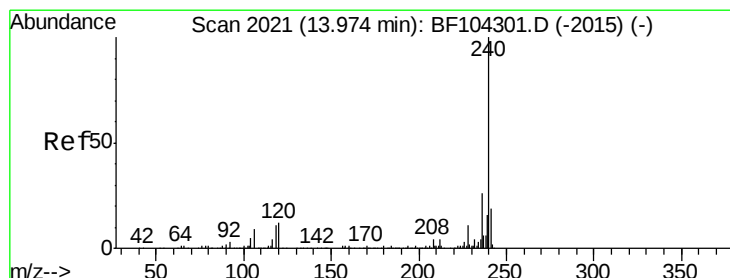
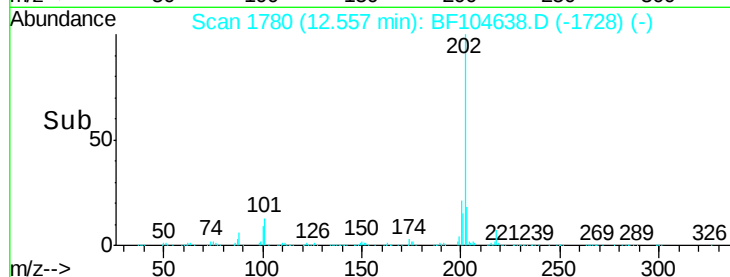
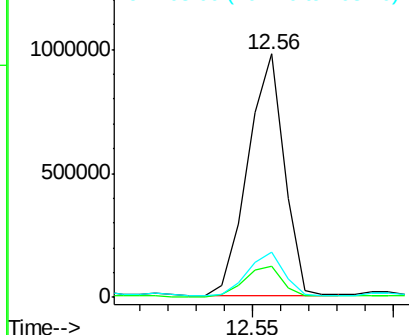
Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.7	0.0	34.1
203	18.5	0.0	38.1

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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

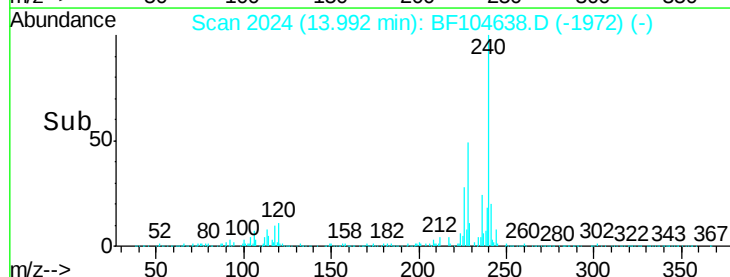
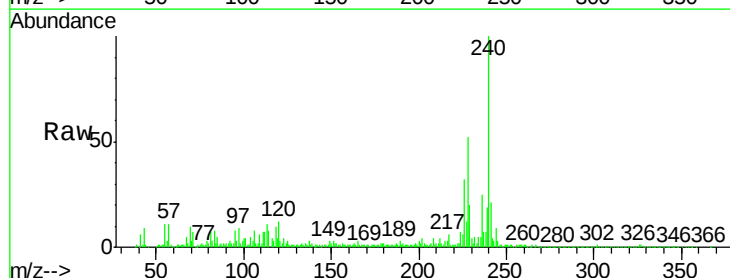
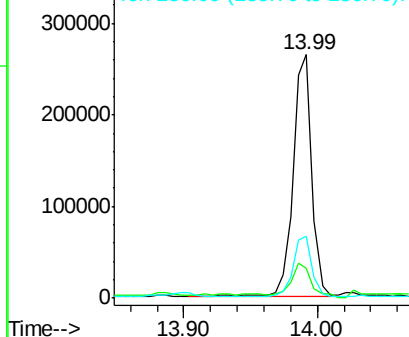
Delta R.T. 0.01 min

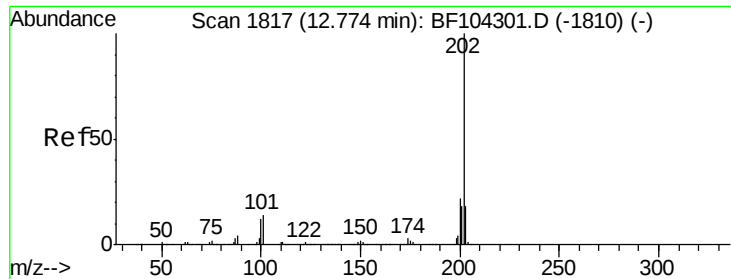
Lab File: BF104638.D

Acq: 19 Apr 2018 19:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	12.1	9.5	14.3
236	25.3	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





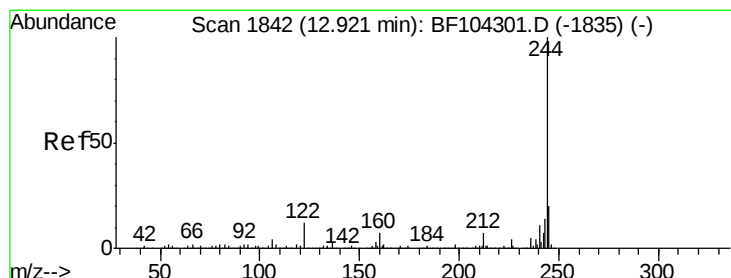
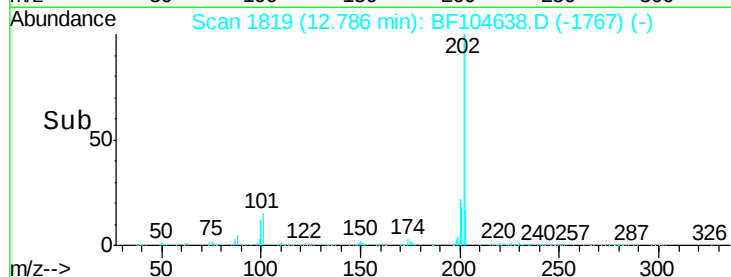
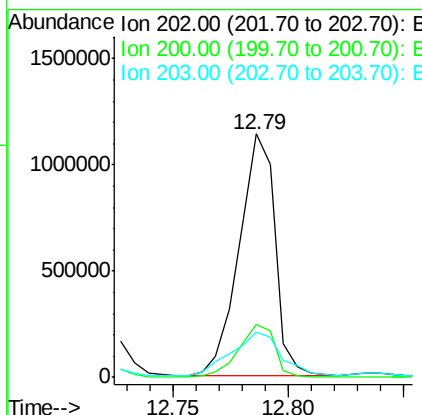
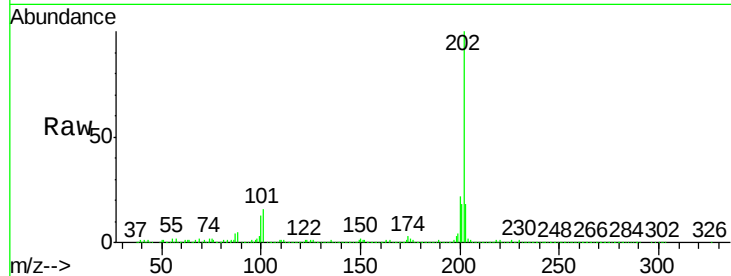
#77
Pvrene
Concen: 64.564 ng
RT: 12.79 min Scan# 1819
Delta R.T. 0.01 min
Lab File: BF104638.D
Acq: 19 Apr 2018 19:51

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.3	14.3	21.5

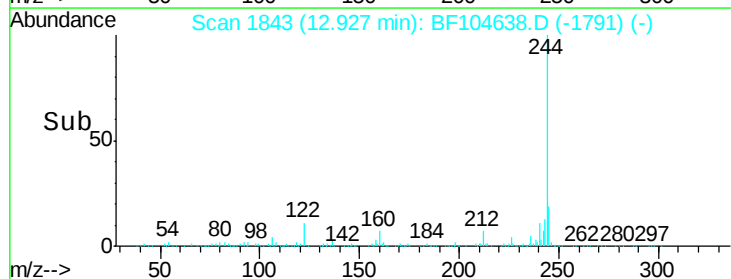
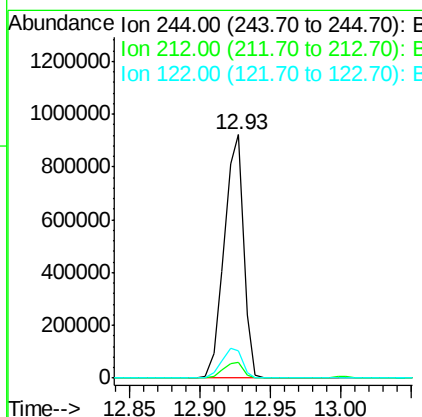
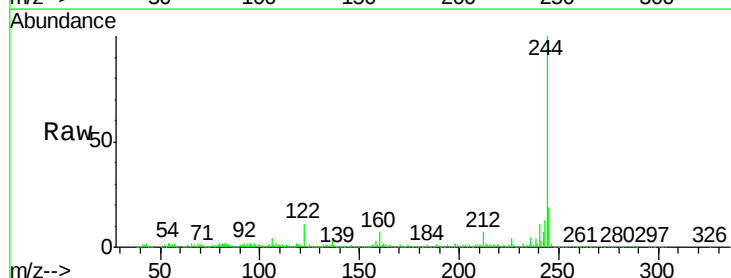
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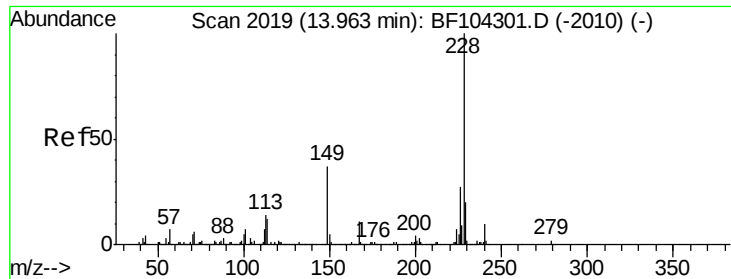
Sohil
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#78
Terphenyl-d14
Concen: 78.136 ng
RT: 12.93 min Scan# 1843
Delta R.T. 0.01 min
Lab File: BF104638.D
Acq: 19 Apr 2018 19:51

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.0	11.0	16.4





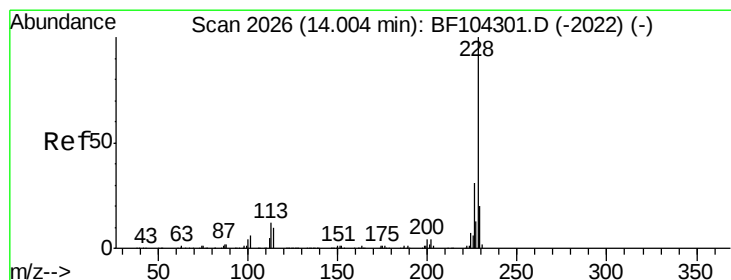
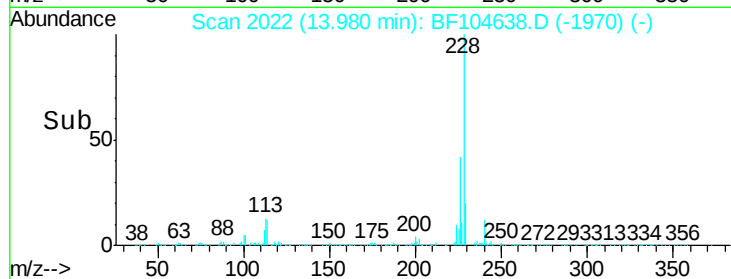
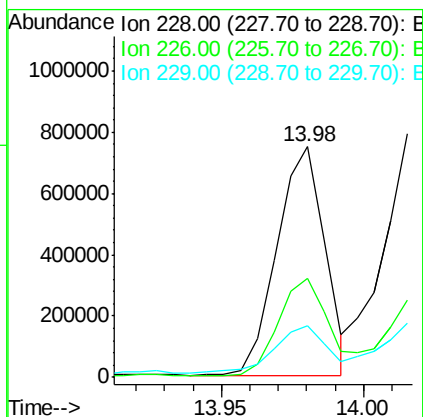
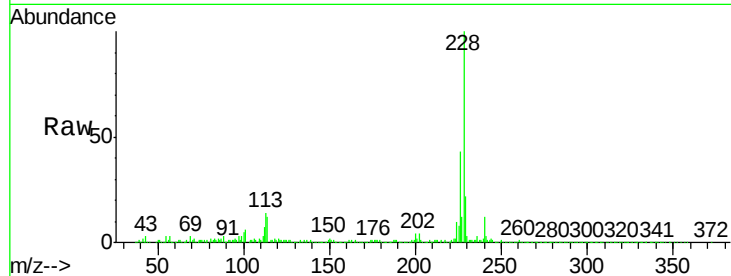
#80
Benzo(a)anthracene
Concen: 57.546 ng m
RT: 13.98 min Scan# 2022
Delta R.T. 0.01 min
Lab File: BF104638.D
Acq: 19 Apr 2018 19:51

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	43.1	22.6	33.8
229	22.3	15.8	23.6

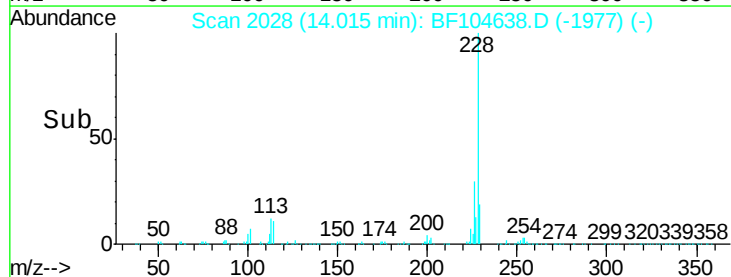
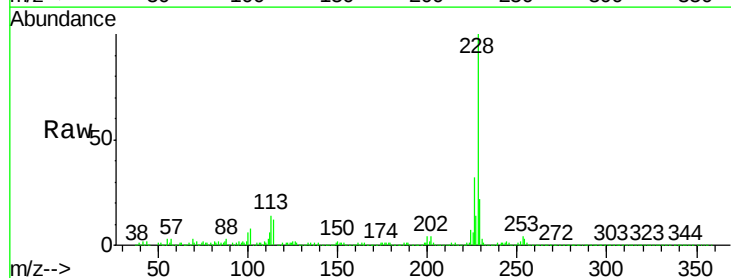
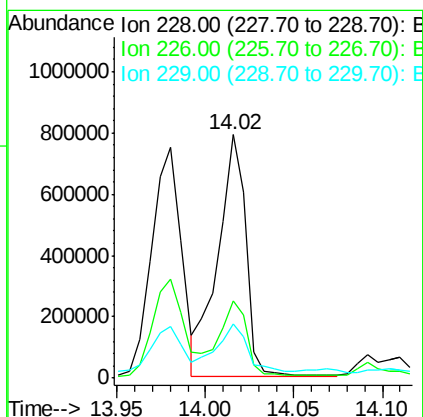
Manual Integrations
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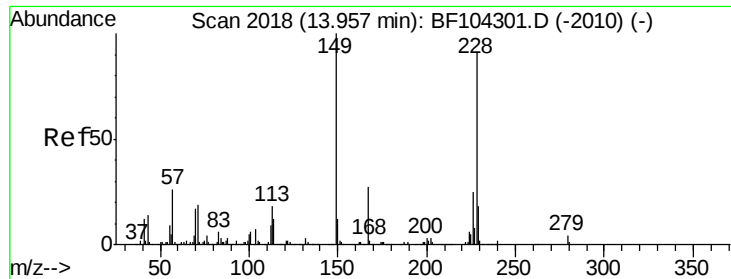
Sohil
4/20/2018 3:05:28 PM



#82
Chrysene
Concen: 55.713 ng m
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF104638.D
Acq: 19 Apr 2018 19:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.6
229	22.4	16.2	24.4





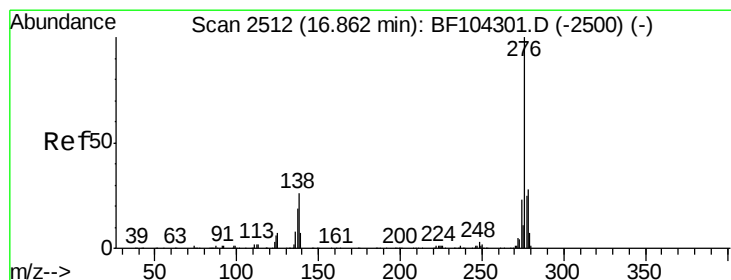
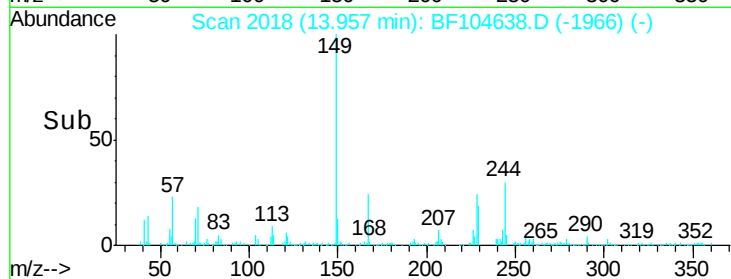
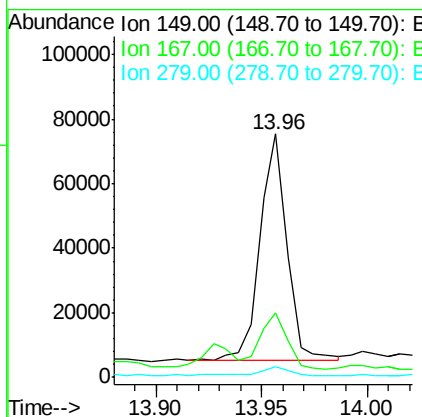
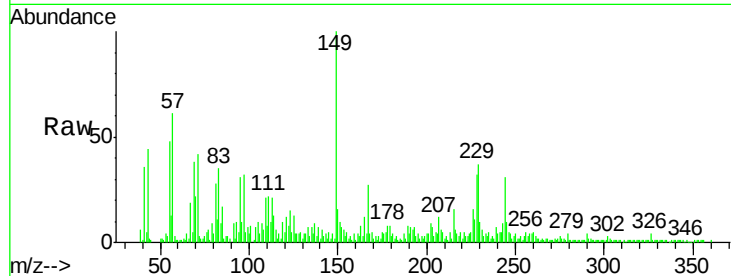
#83
Bis(2-ethylhexyl)phthalate
Concen: 5.436 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF104638.D
Acq: 19 Apr 2018 19:51

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

Tot Ion	Ratio	Resp	Lower	Upper
149	100	62831		
167	26.7	21.3	31.9	
279	4.3	3.0	4.4	

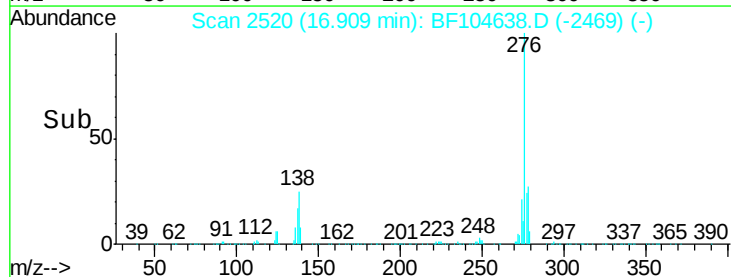
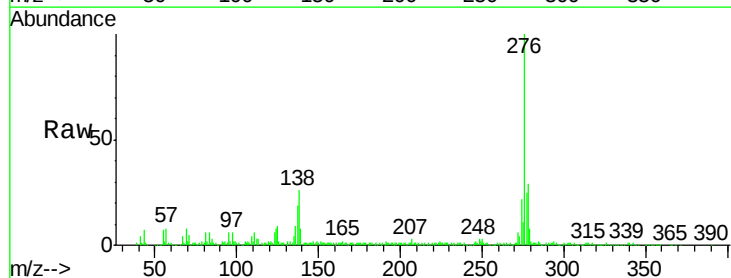
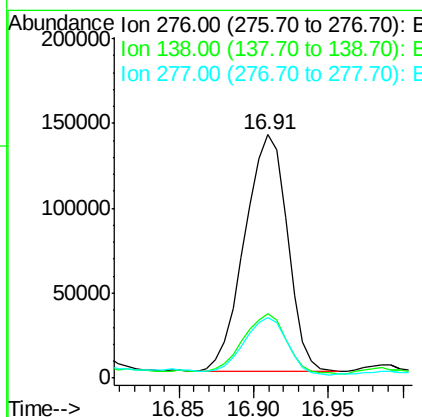
Manual Integrations
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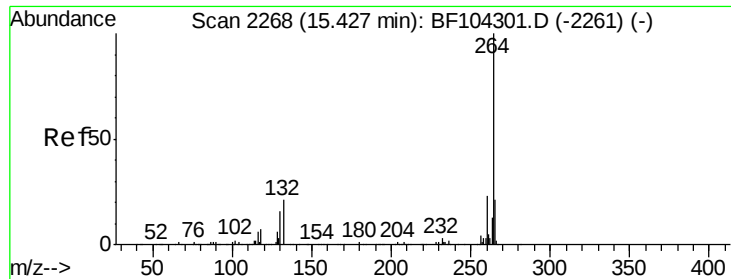
Sohil
4/20/2018 3:05:28 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 20.671 ng
RT: 16.91 min Scan# 2520
Delta R.T. 0.00 min
Lab File: BF104638.D
Acq: 19 Apr 2018 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	277248		
138	25.9	25.0	37.6	
277	24.6	20.1	30.1	





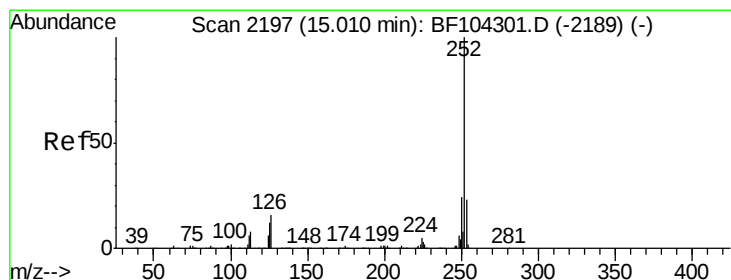
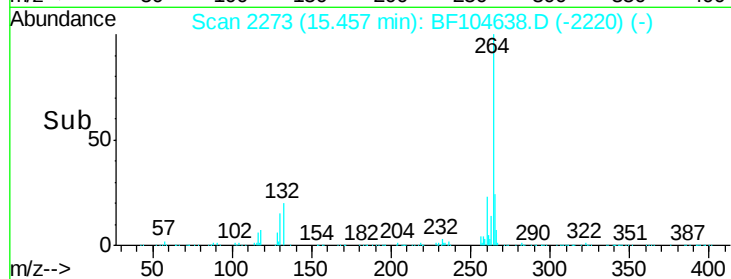
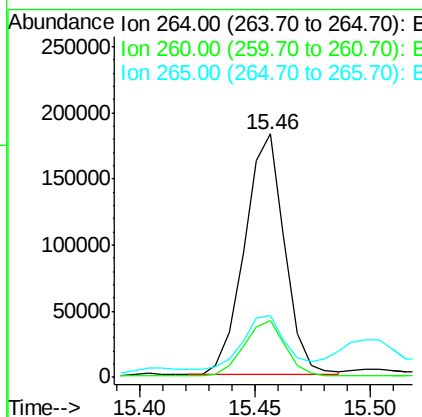
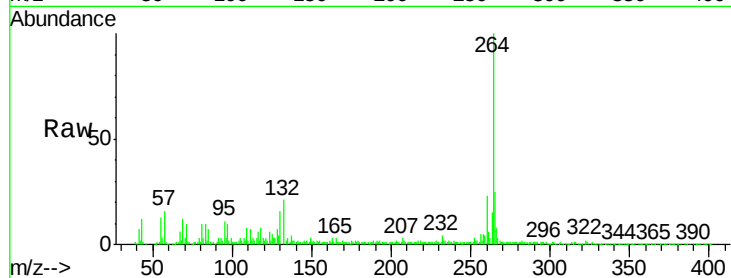
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF104638.D
Acq: 19 Apr 2018 19:51

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

Tot Ion:	264	Resp:	220433
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.2	28.8
265	25.4	17.5	26.3

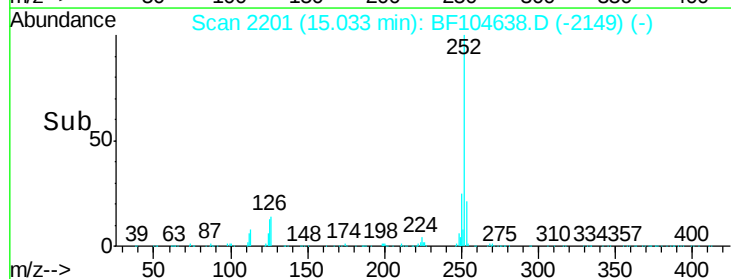
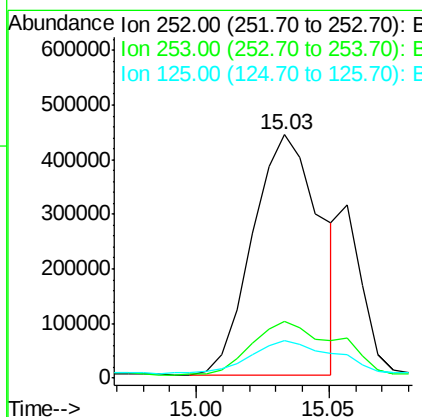
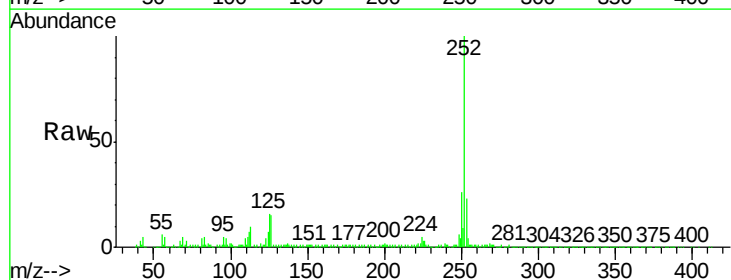
Manual Integrations
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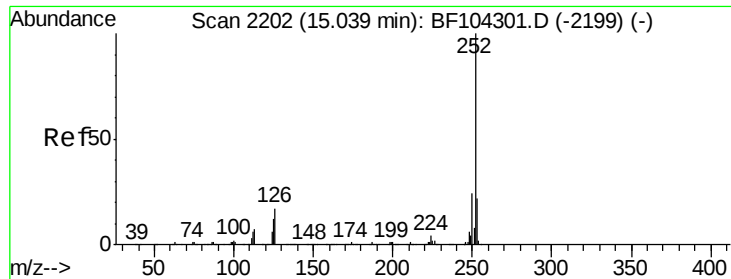
Sohil
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#87
Benzo(b)fluoranthene
Concen: 56.173 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF104638.D
Acq: 19 Apr 2018 19:51

Tgt Ion:	252	Resp:	782056
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.0	25.6
125	15.7	9.0	13.6#





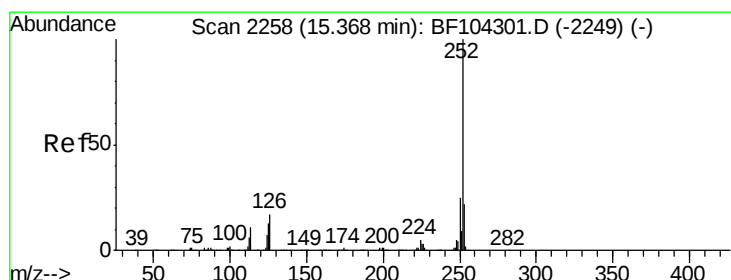
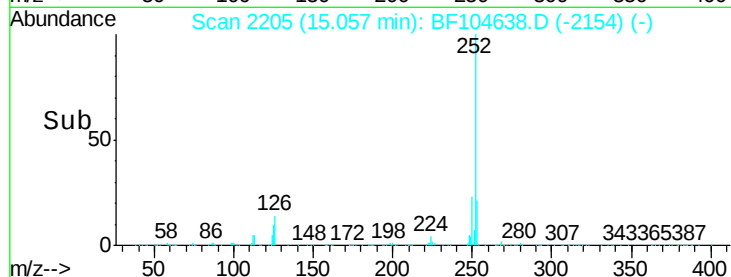
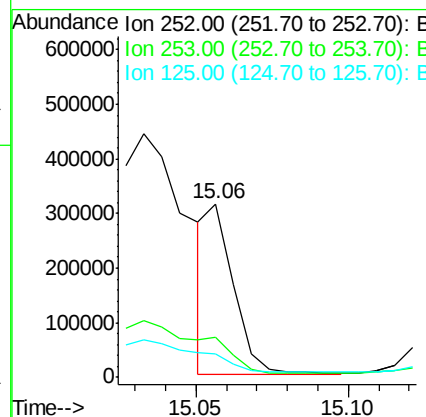
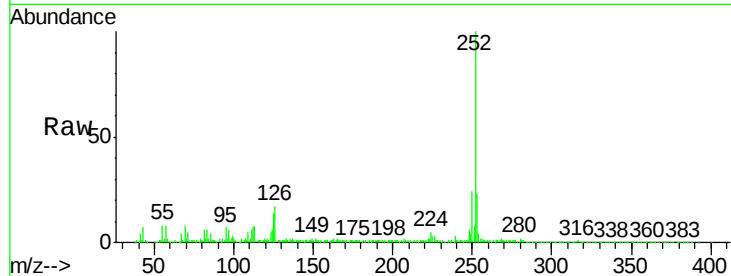
#88
Benzo(k)fluoranthene
Concen: 14.339 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BF104638.D
Acq: 19 Apr 2018 19:51

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	13.8	10.2	15.2

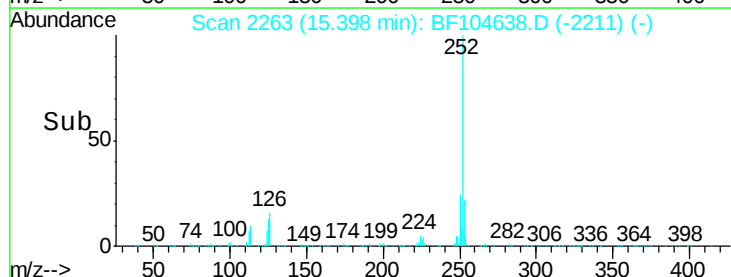
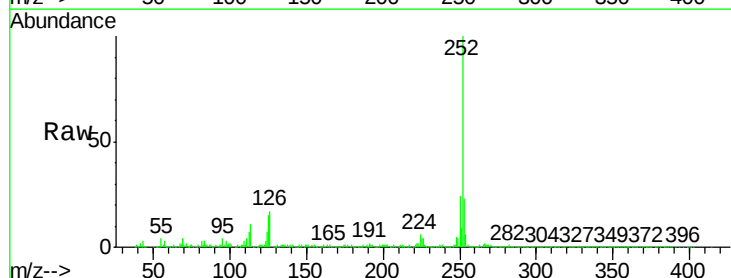
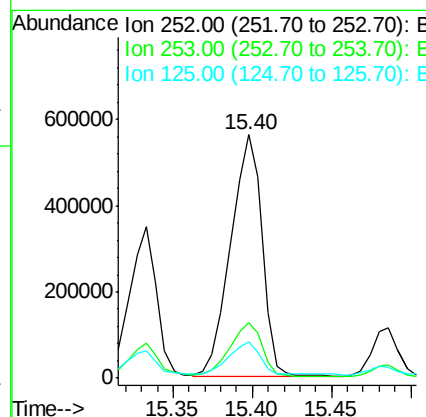
Manual Integrations
APPROVED

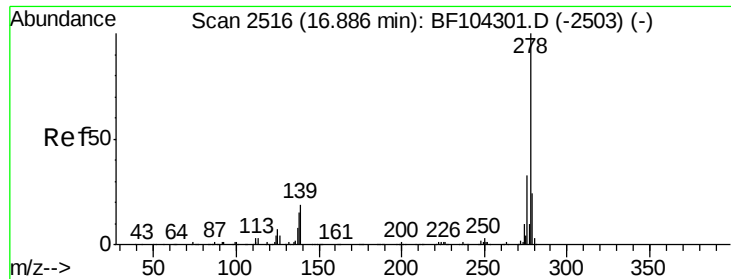
Sohil
4/20/2018 3:05:28 PM



#89
Benzo(a)pyrene
Concen: 61.232 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF104638.D
Acq: 19 Apr 2018 19:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	14.6	9.8	14.6





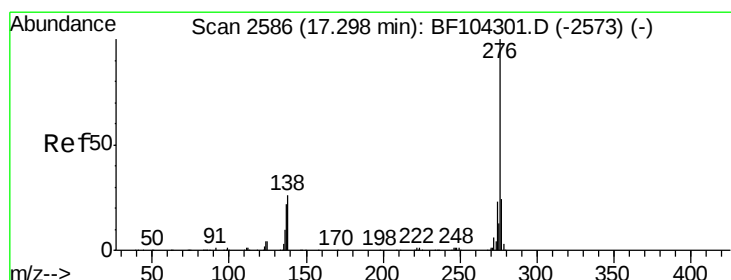
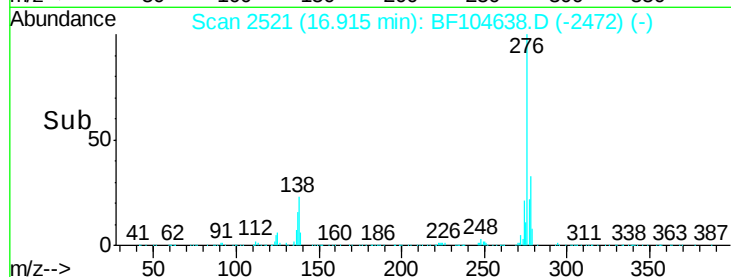
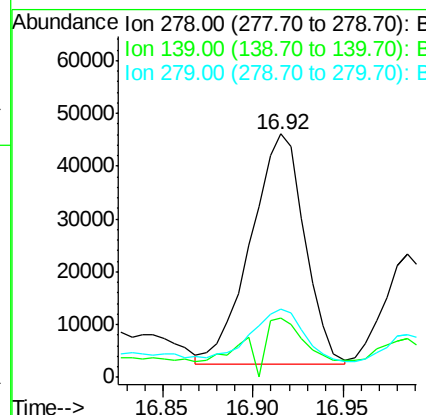
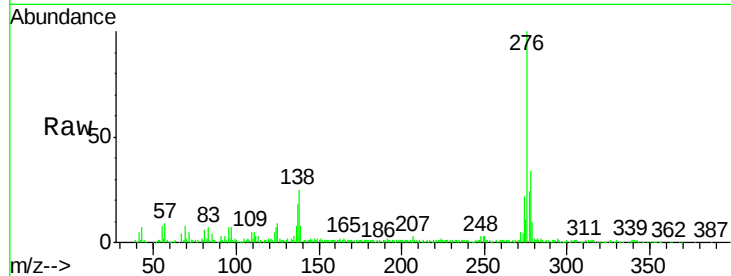
#90
Dibenzo(a,h)anthracene
Concen: 8.824 ng
RT: 16.92 min Scan# 2521
Delta R.T. -0.01 min
Lab File: BF104638.D
Acq: 19 Apr 2018 19:51

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.5	15.9	23.9#
279	28.0	19.0	28.4

Manual Integrations
APPROVED

Sohil
4/20/2018 3:05:28 PM



#91
Benzo(g,h,i)perylene
Concen: 28.874 ng
RT: 17.35 min Scan# 2595
Delta R.T. 0.00 min
Lab File: BF104638.D
Acq: 19 Apr 2018 19:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.9	26.9
138	25.1	21.8	32.8

