

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
 Data File : BF104637.D
 Acq On : 19 Apr 2018 19:25
 Operator : JU/SJ
 Sample : J2387-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20180245-AMEND-COMP-B

Manual Integrations
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 4/20/2018 3:05:25 PM

Quant Time: Apr 20 01:31:06 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	157868	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	633692	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	276235	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	424560	20.00	ng	0.00
75) Chrysene-d12	13.98	240	276830	20.00	ng	0.00
86) Perylene-d12	15.44	264	256108	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	624025	60.44	ng	0.01
7) Phenol-d6	6.45	99	1277256	100.69	ng	0.00
23) Nitrobenzene-d5	7.37	82	950922	97.99	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	139683	48.75	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1302980	74.52	ng	0.00
78) Terphenyl-d14	12.92	244	988917	81.44	ng	0.00
Target Compounds						
10) Phenol	6.46	94	35465	2.635	ng	93
48) Acenaphthylene	9.70	152	214452	7.457	ng	99
49) Dimethylphthalate	9.56	163	128044	5.878	ng	99
51) Acenaphthene	9.87	154	47822	2.725	ng	98
57) Fluorene	10.39	166	47593	2.674	ng	97
70) Phenanthrene	11.36	178	386016	16.327	ng	99
71) Anthracene	11.41	178	281779	11.724	ng	98
74) Fluoranthene	12.55	202	504207	20.411	ng	98
77) Pyrene	12.78	202	698399	34.036	ng	100
80) Benzo(a)anthracene	13.97	228	419970m	25.394	ng	
82) Chrysene	14.01	228	403587	23.758	ng	99
83) Bis(2-ethylhexyl)phthalate	13.95	149	51942	4.177	ng	99
85) Indeno(1,2,3-cd)pyrene	16.89	276	131435	9.108	ng	95
87) Benzo(b)fluoranthene	15.02	252	361888m	22.373	ng	
88) Benzo(k)fluoranthene	15.04	252	91529m	5.994	ng	
89) Benzo(a)pyrene	15.38	252	367381	25.384	ng	# 96
90) Dibenzo(a,h)anthracene	16.90	278	43150m	3.630	ng	
91) Benzo(g,h,i)perylene	17.33	276	133697	11.610	ng	96

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

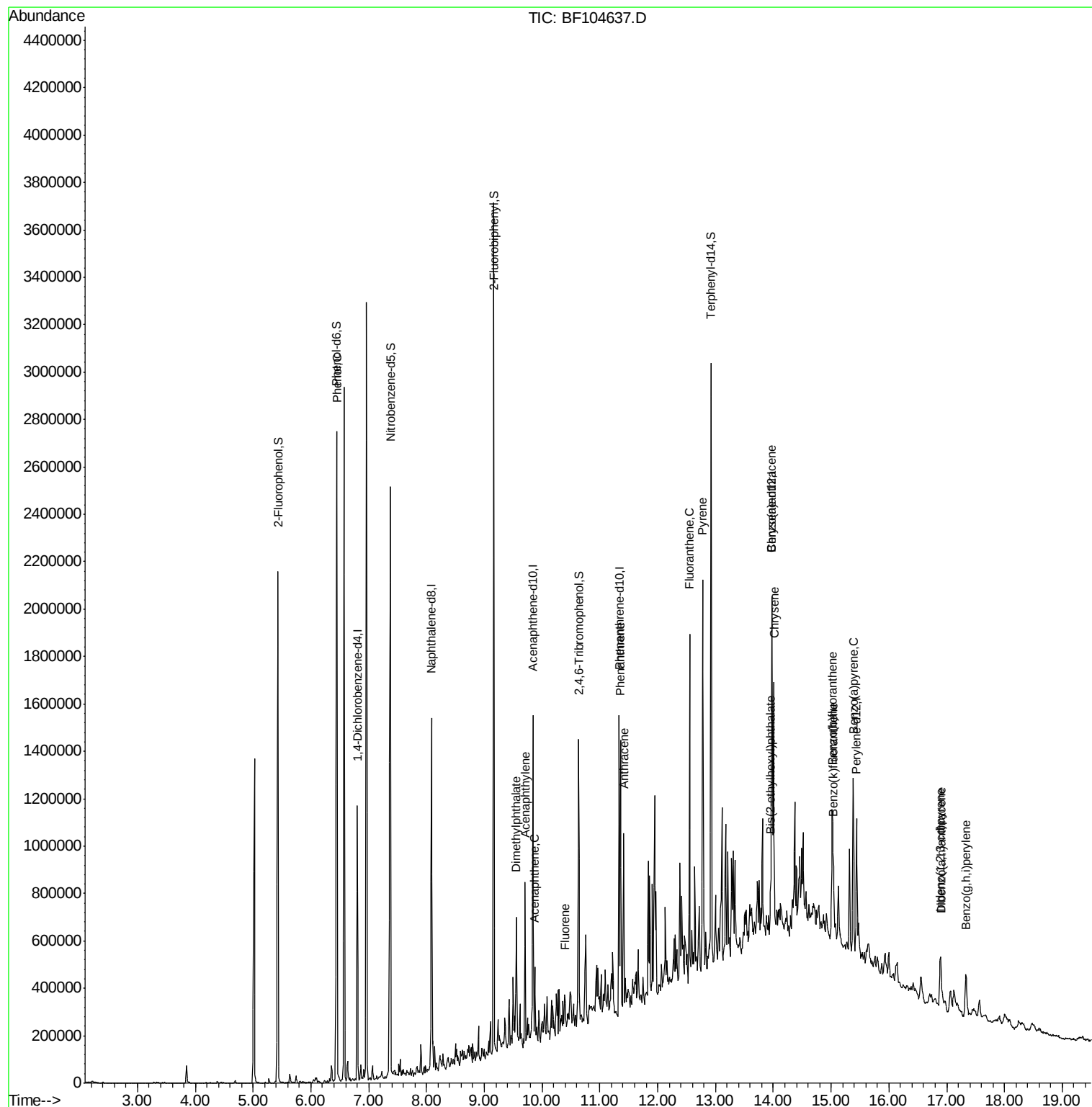
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
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ALS Vial : 7 Sample Multiplier: 1

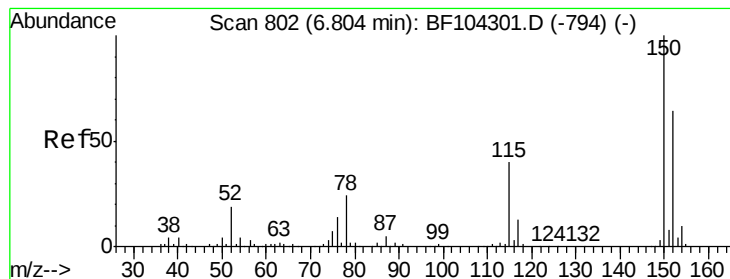
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

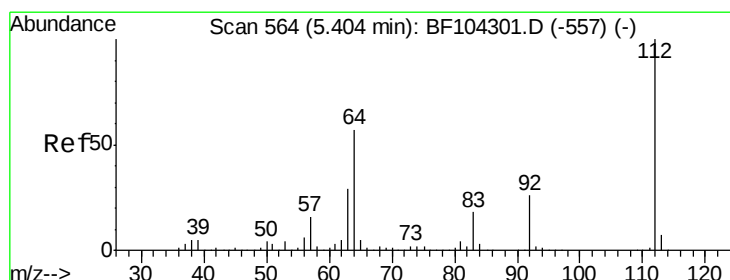
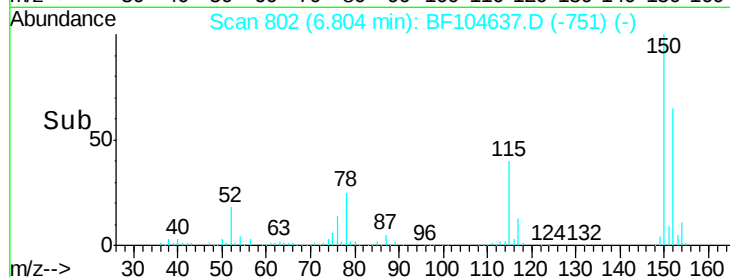
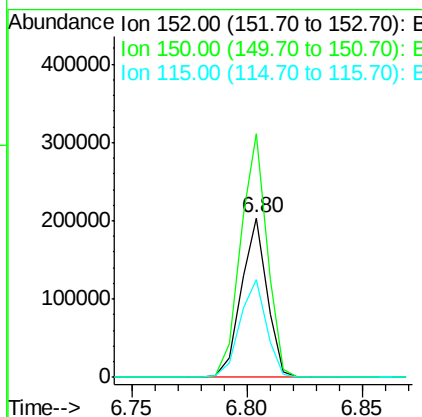
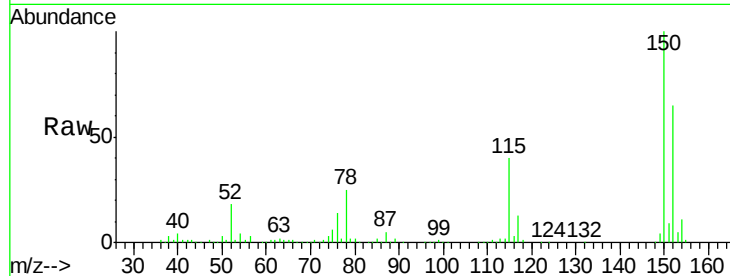
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104637.D
Acq: 19 Apr 2018 19:25

Instrument :
BNA_F
ClientSampleId :
20180245-AMEND-COMP-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	124.6	186.8
115	61.5	50.1	75.1

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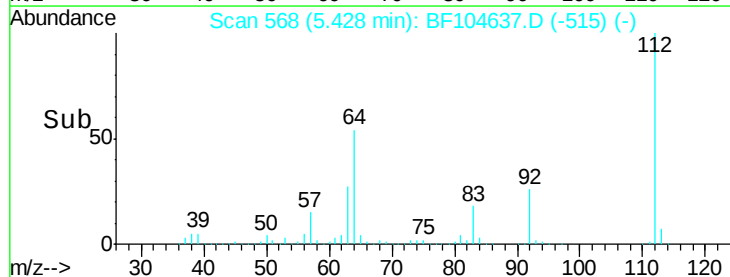
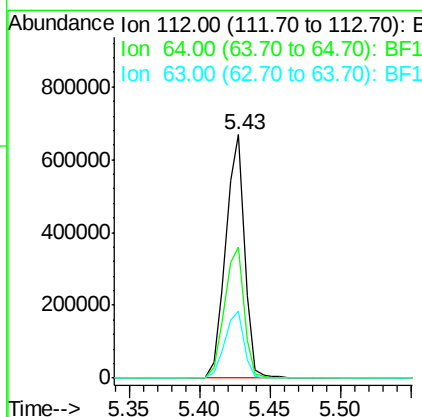
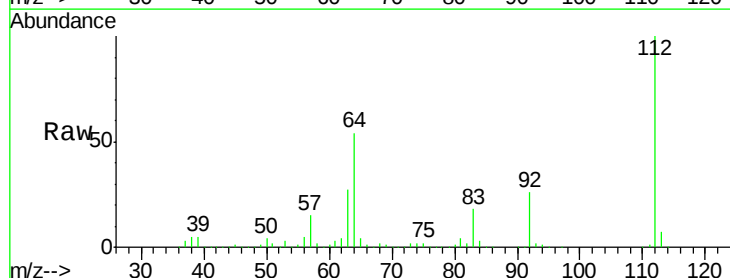
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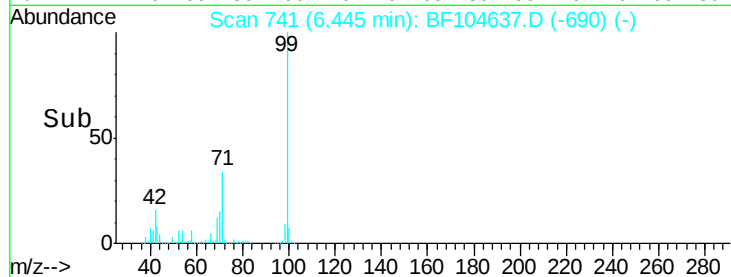
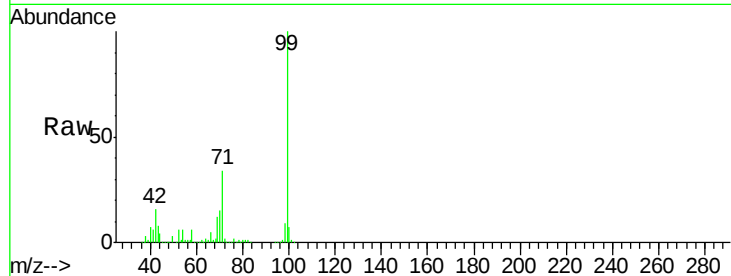


#5

2-Fluorophenol
Concen: 60.441 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104637.D
Acq: 19 Apr 2018 19:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	47.9	71.9
63	27.5	23.7	35.5





#7

Phenol-d6

Concen: 100.686 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104637.D

Acq: 19 Apr 2018 19:25

Tot Ion: 99 Resp: 1277256

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

71 34.5 25.4 38.0

Instrument :

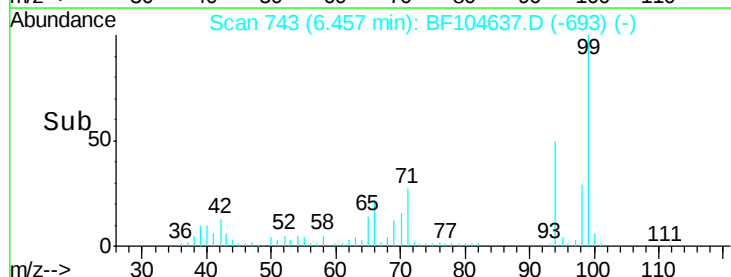
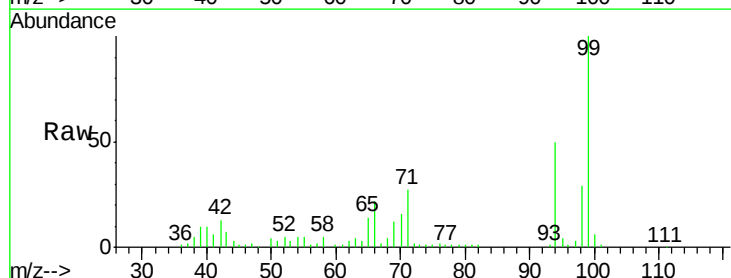
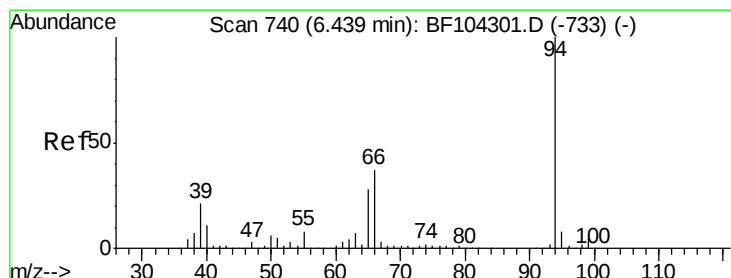
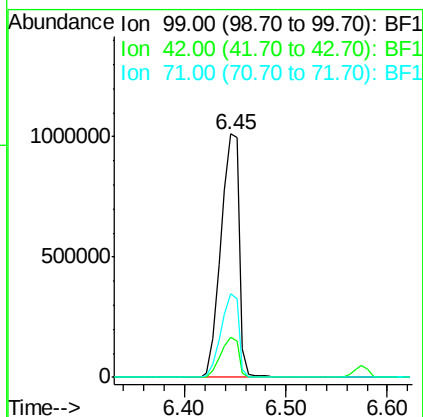
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#10

Phenol

Concen: 2.635 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF104637.D

Acq: 19 Apr 2018 19:25

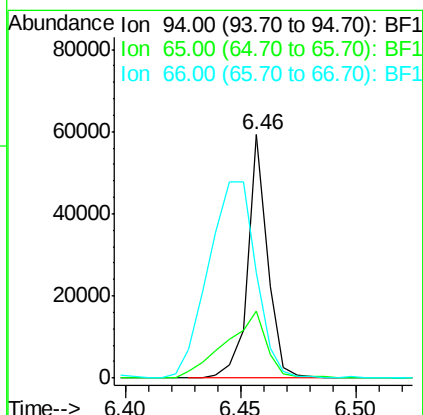
Tgt Ion: 94 Resp: 35465

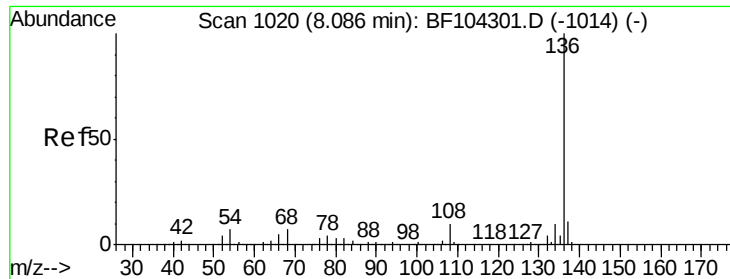
Ion Ratio Lower Upper

94 100

65 27.3 7.9 47.9

66 43.4 16.2 56.2





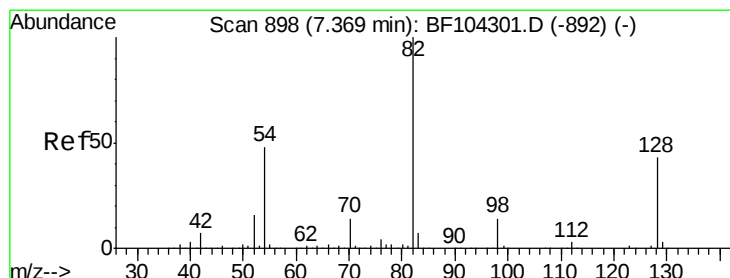
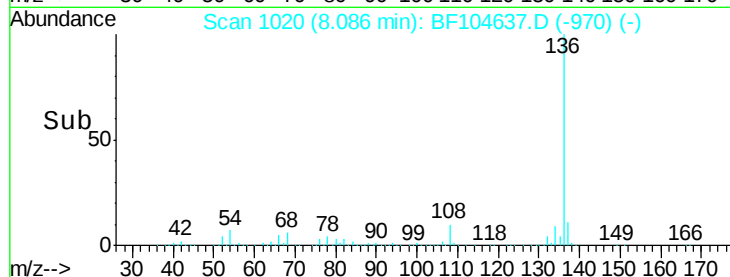
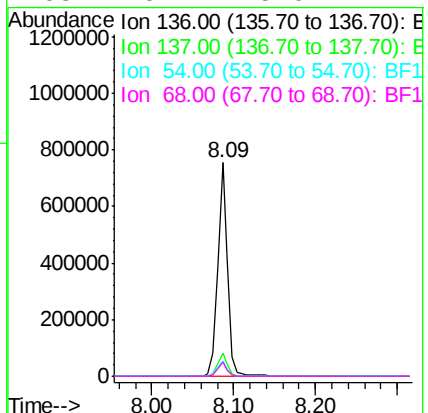
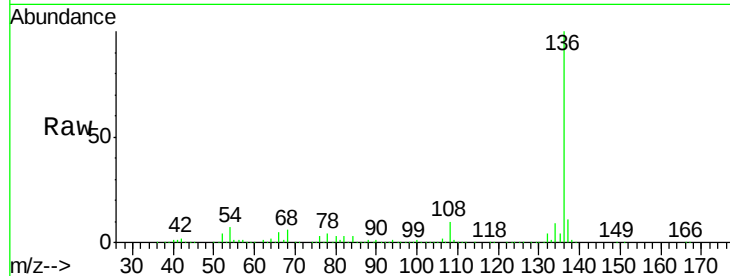
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104637.D
Acq: 19 Apr 2018 19:25

Instrument :
BNA_F
ClientSampleId :
20180245-AMEND-COMP-B

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	7.0	6.6	9.8	
68	6.4	5.0	7.4	

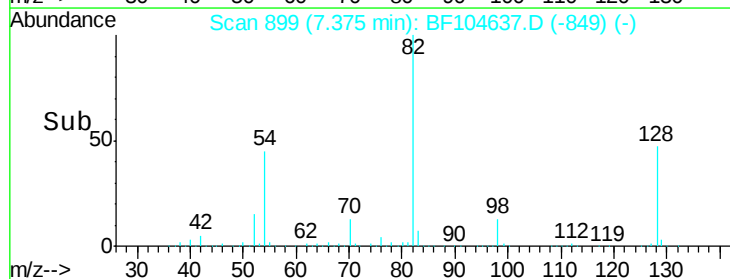
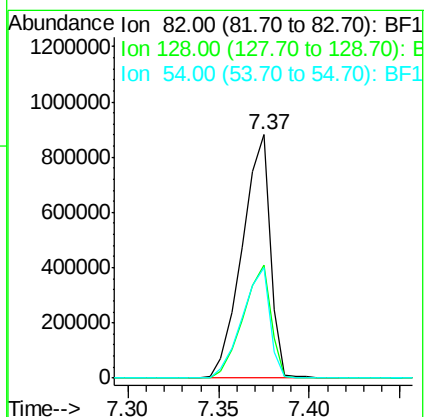
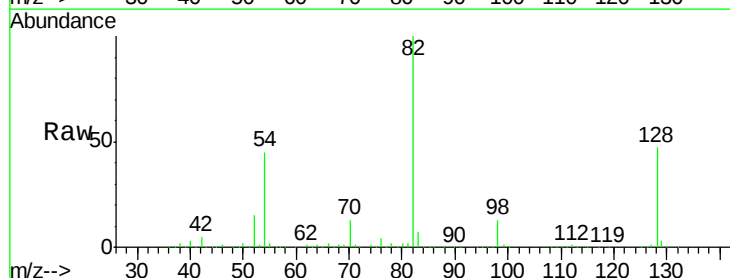
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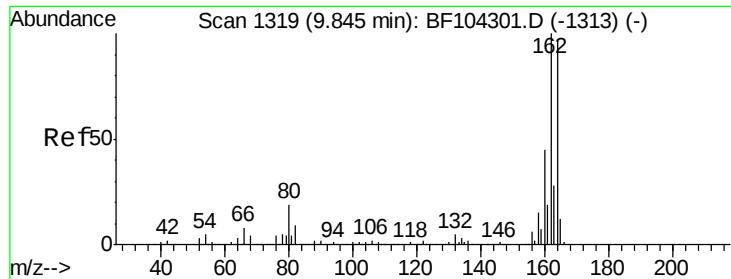
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#23
Nitrobenzene-d5
Concen: 97.987 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104637.D
Acq: 19 Apr 2018 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.7	36.1	54.1	
54	45.1	41.4	62.2	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF104637.D

Acq: 19 Apr 2018 19:25

Instrument :

BNA_F

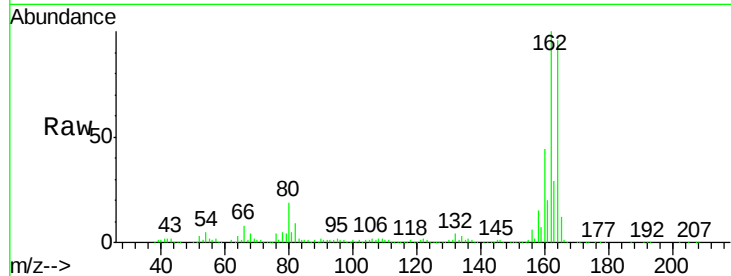
ClientSampleId :

20180245-AMEND-COMP-B

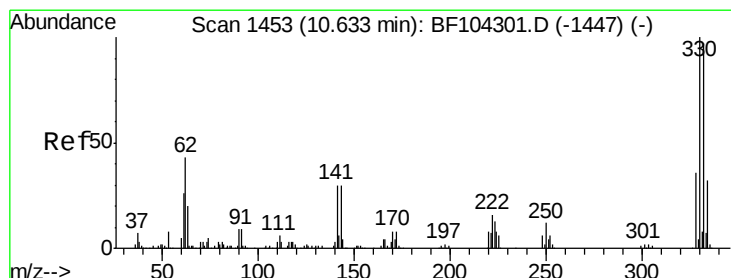
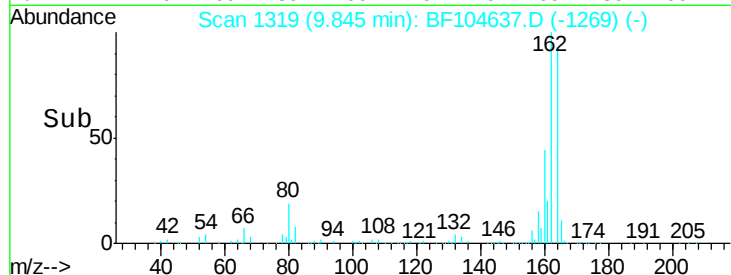
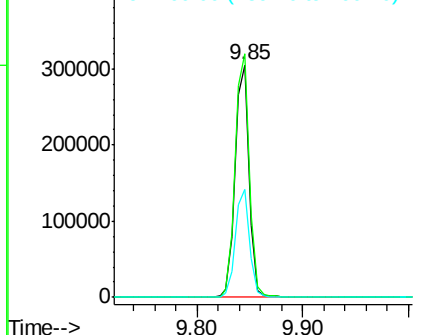
Tot Ion:	164	Resp:	276235
Ion Ratio	Lower	Upper	
164	100		
162	104.7	86.1	129.1
160	46.4	38.3	57.5

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 48.747 ng

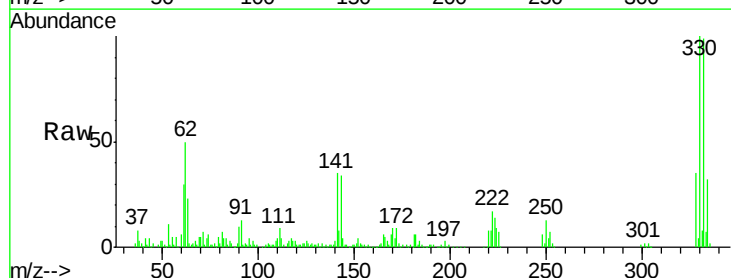
RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

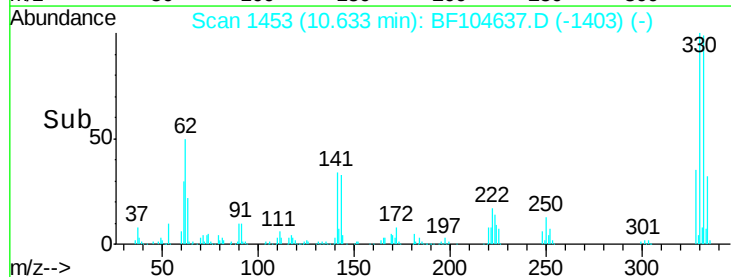
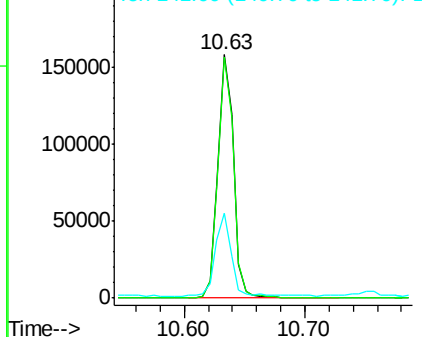
Lab File: BF104637.D

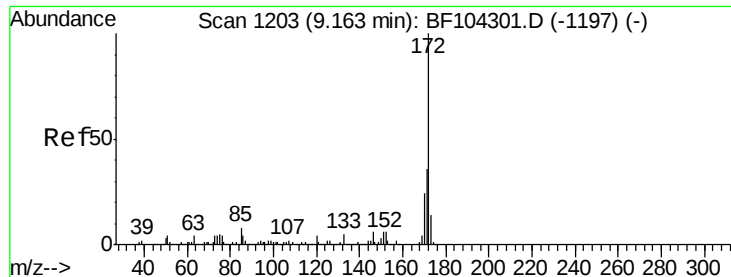
Acq: 19 Apr 2018 19:25

Tgt Ion:	330	Resp:	139683
Ion Ratio	Lower	Upper	
330	100		
332	98.8	77.0	115.6
141	33.9	29.9	44.9



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





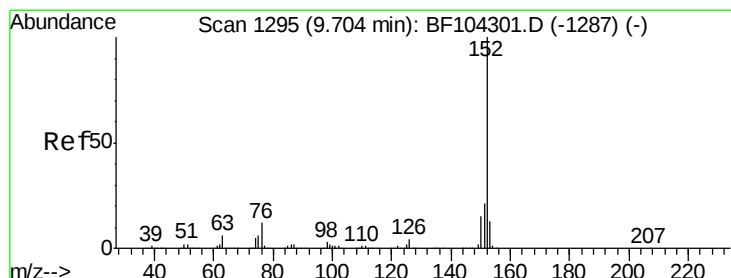
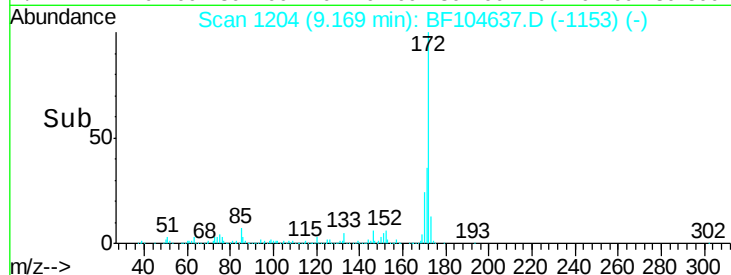
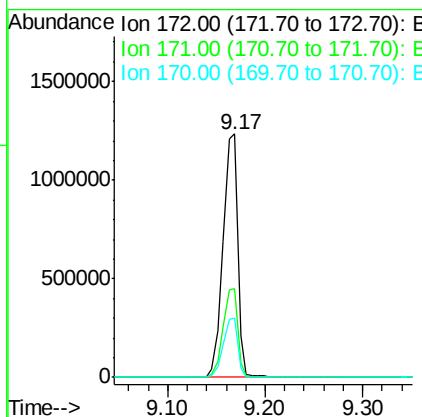
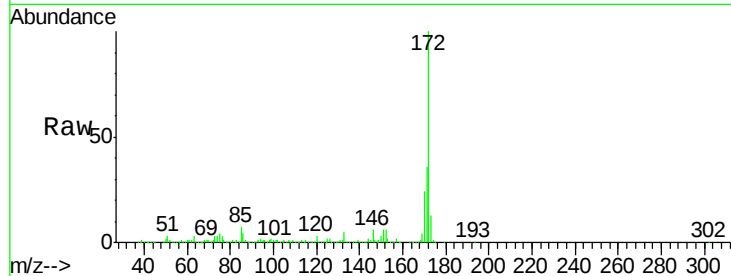
#44
2-Fluorobiphenyl
Concen: 74.516 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF104637.D
Acq: 19 Apr 2018 19:25

Instrument :
BNA_F
ClientSampleId :
20180245-AMEND-COMP-B

Tot Ion:172 Resp: 1302980
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 24.3 19.6 29.4

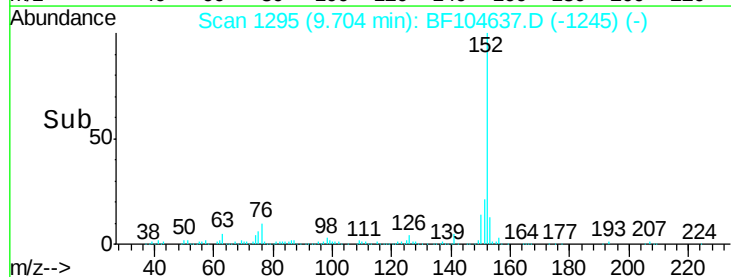
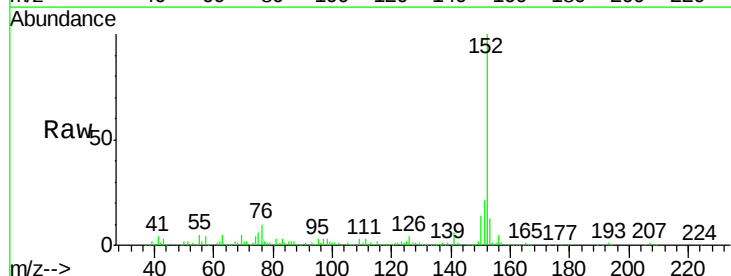
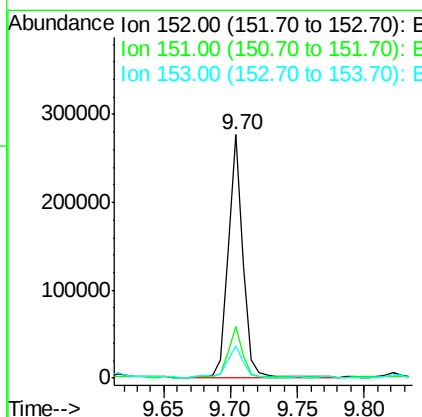
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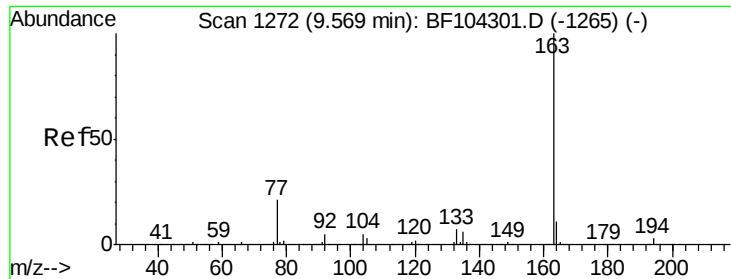
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#48
Acenaphthylene
Concen: 7.457 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104637.D
Acq: 19 Apr 2018 19:25

Tgt Ion:152 Resp: 214452
Ion Ratio Lower Upper
152 100
151 21.4 16.3 24.5
153 13.5 10.7 16.1





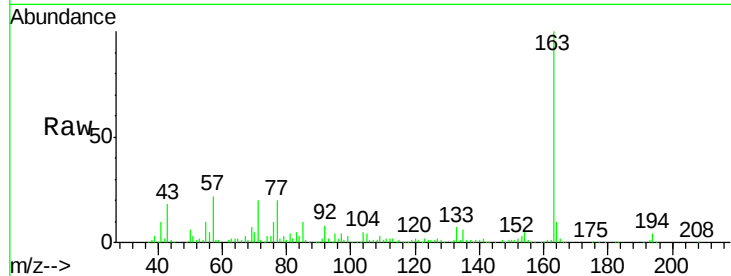
#49
Dimethylphthalate
Concen: 5.878 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF104637.D
Acq: 19 Apr 2018 19:25

Instrument :
BNA_F
ClientSampleId :
20180245-AMEND-COMP-B

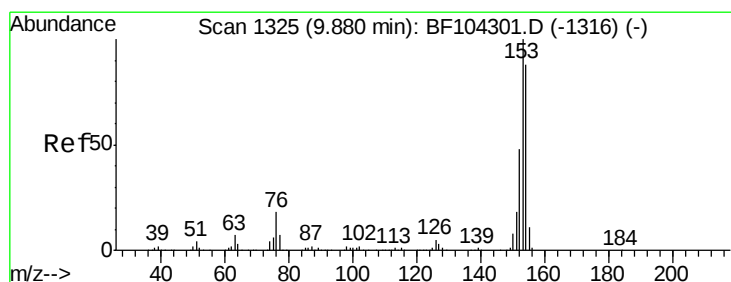
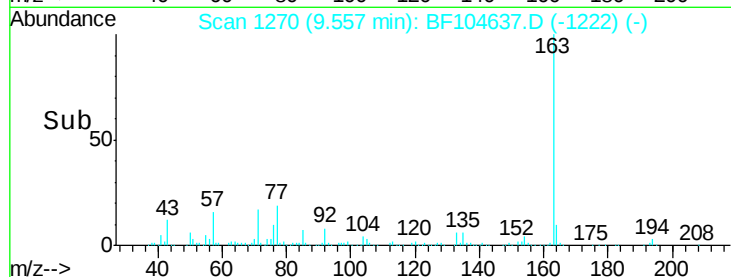
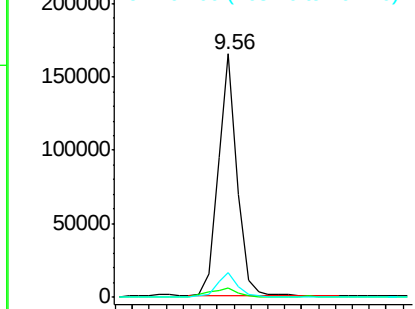
Tot Ion	Ratio	Resp	Lower	Upper
163	100	128044		
194	3.8		2.7	4.1
164	9.9		8.2	12.2

Manual Integrations
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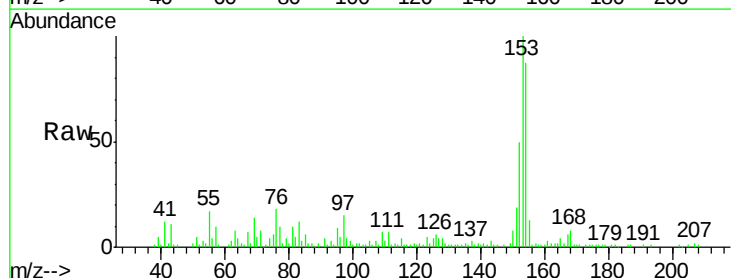


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

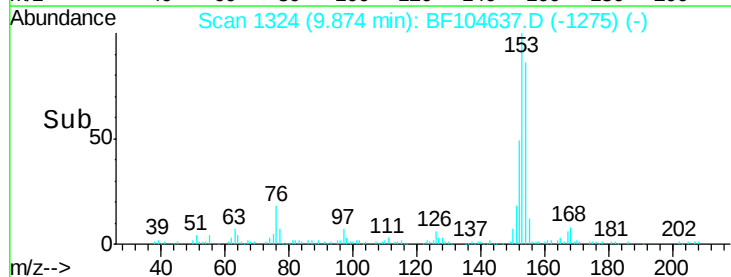
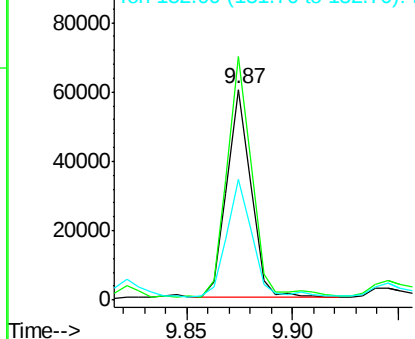


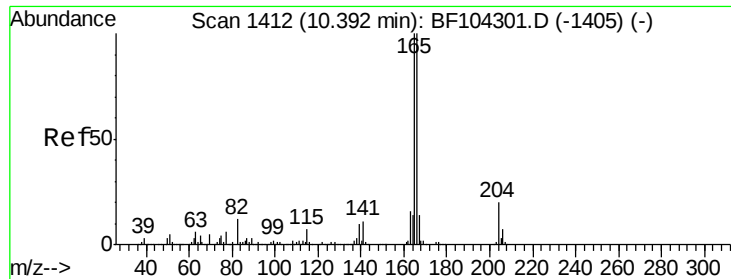
#51
Acenaphthene
Concen: 2.725 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF104637.D
Acq: 19 Apr 2018 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	47822		
153	115.5		91.2	136.8
152	57.3		43.8	65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 2.674 ng

RT: 10.39 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BF104637.D

Acq: 19 Apr 2018 19:25

Instrument :

BNA_F

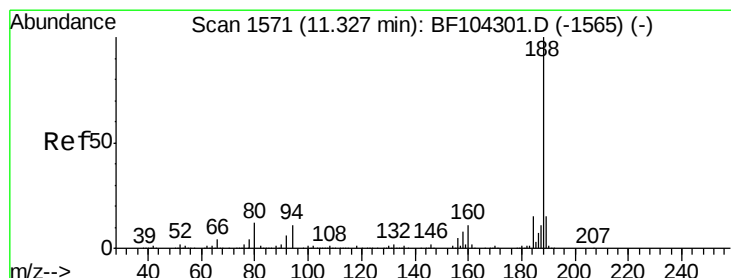
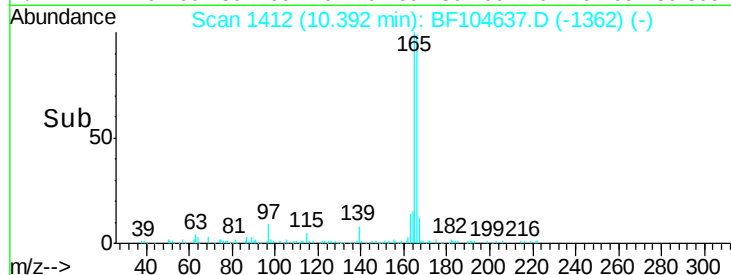
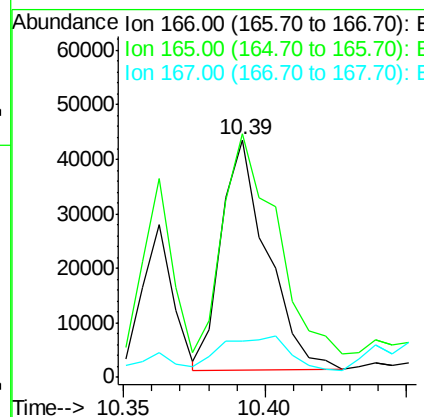
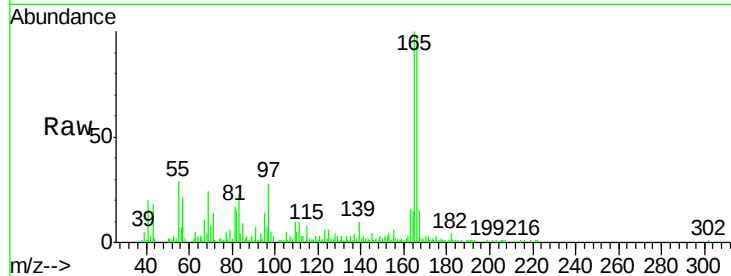
ClientSampleId :

20180245-AMEND-COMP-B

Tot Ion:	166	Resp:	47593
Ion	Ratio	Lower	Upper
166	100		
165	102.6	79.8	119.8
167	15.3	10.6	16.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

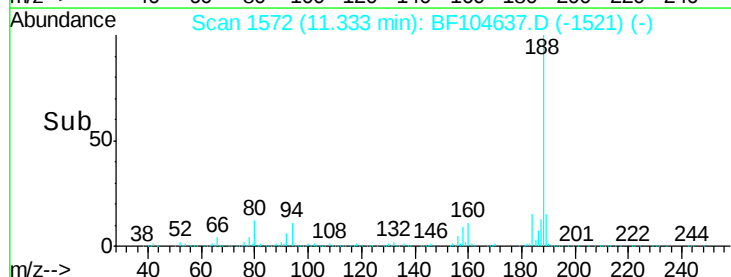
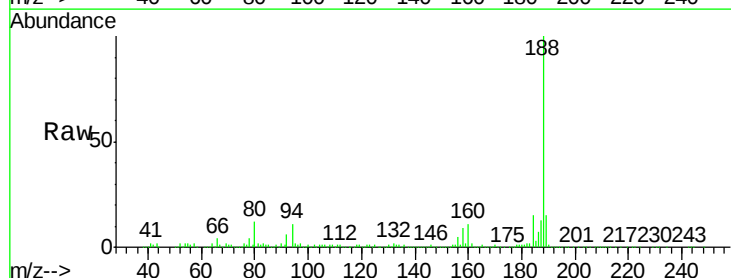
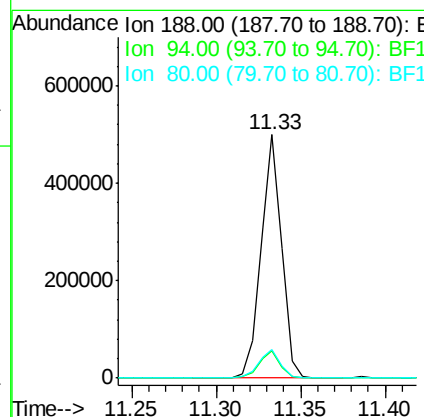
RT: 11.33 min Scan# 1572

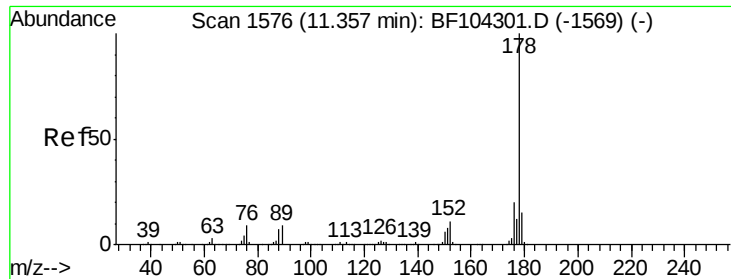
Delta R.T. -0.00 min

Lab File: BF104637.D

Acq: 19 Apr 2018 19:25

Tgt Ion:	188	Resp:	424560
Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.5	12.7
80	11.8	9.2	13.8





#70

Phenanthrene

Concen: 16.327 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF104637.D

Acq: 19 Apr 2018 19:25

Instrument :

BNA_F

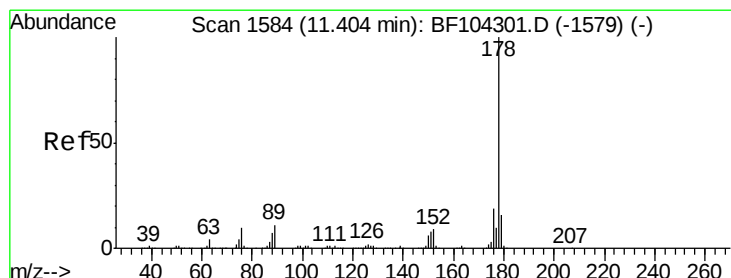
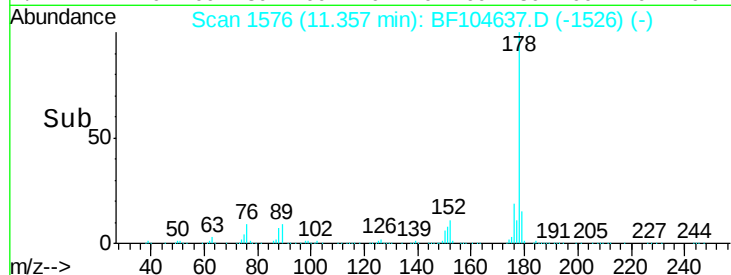
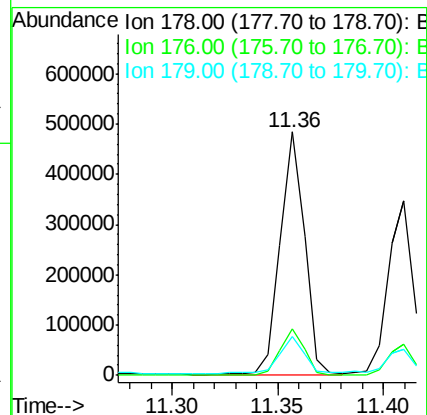
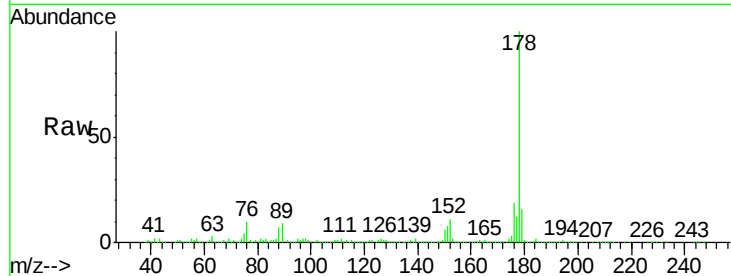
ClientSampleId :

20180245-AMEND-COMP-B

Tot Ion:178	Resp:	386016
Ion Ratio	Lower	Upper
178	100	
176	19.3	15.8 23.8
179	16.1	13.0 19.6

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Sohil
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#71

Anthracene

Concen: 11.724 ng

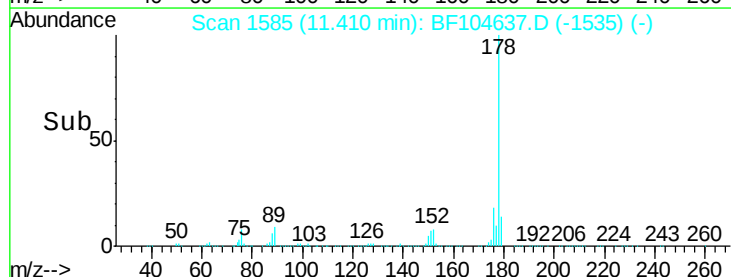
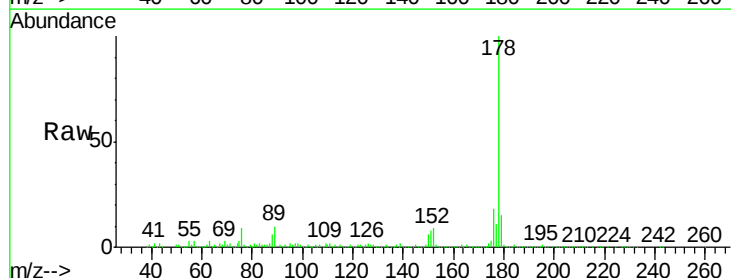
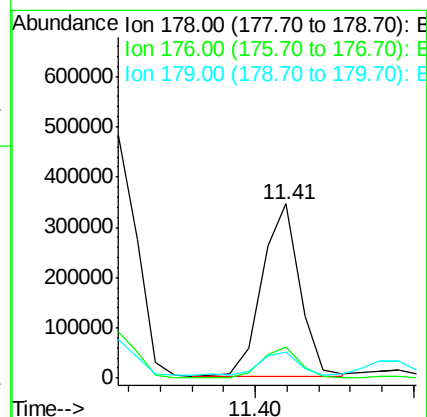
RT: 11.41 min Scan# 1585

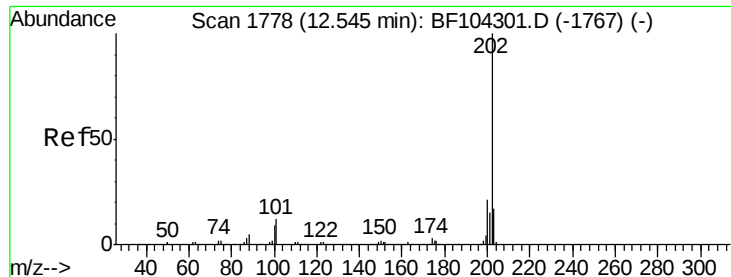
Delta R.T. -0.01 min

Lab File: BF104637.D

Acq: 19 Apr 2018 19:25

Tgt Ion:178	Resp:	281779
Ion Ratio	Lower	Upper
178	100	
176	18.2	15.4 23.2
179	15.3	12.6 19.0





#74

Fluoranthene

Concen: 20.411 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BF104637.D

Acq: 19 Apr 2018 19:25

Instrument :

BNA_F

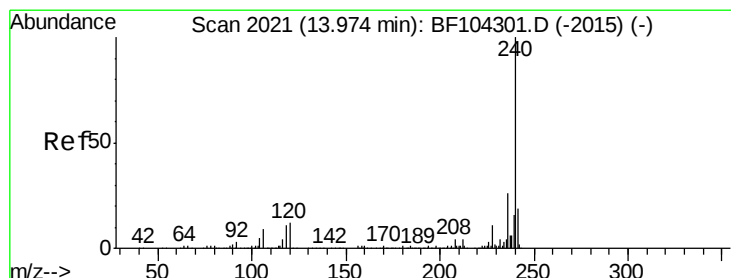
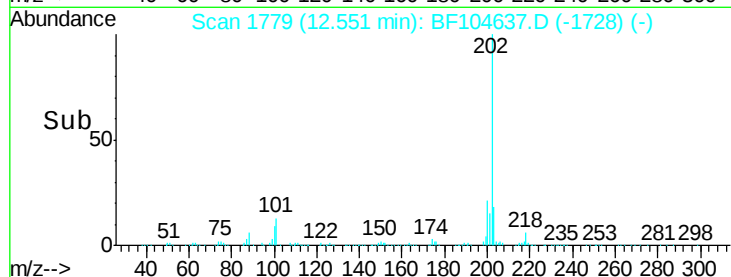
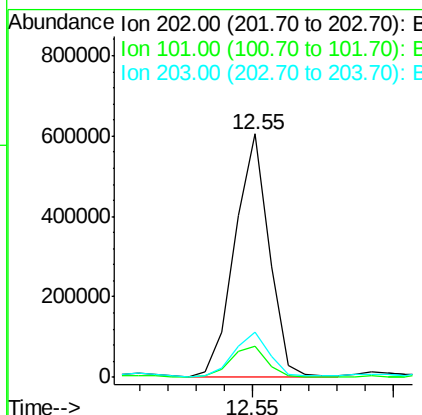
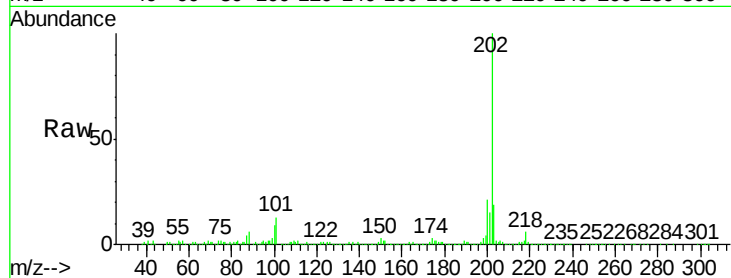
ClientSampleId :

20180245-AMEND-COMP-B

Tot Ion:	202	Resp:	504207
Ion Ratio		Lower	Upper
202	100		
101	12.9	0.0	34.1
203	18.7	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

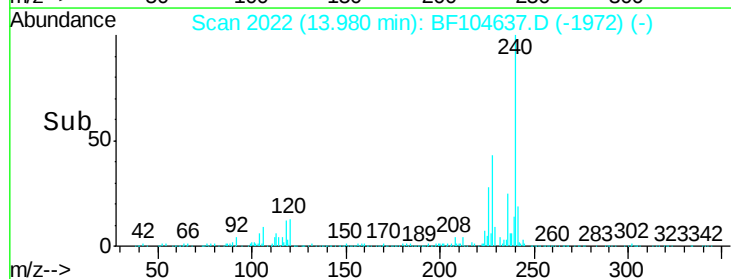
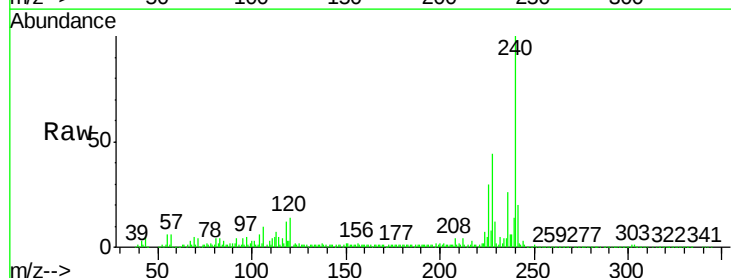
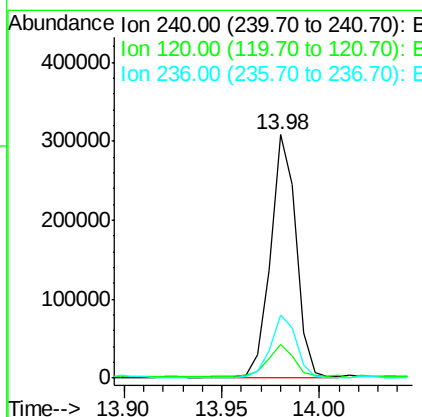
RT: 13.98 min Scan# 2022

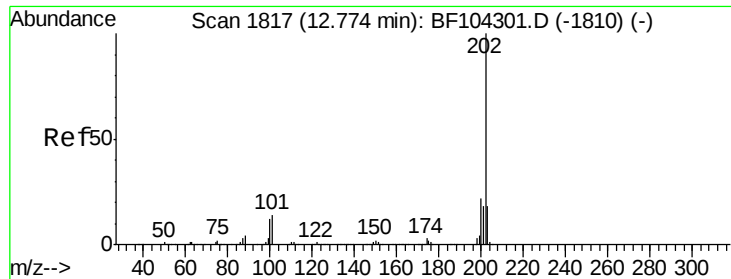
Delta R.T. -0.01 min

Lab File: BF104637.D

Acq: 19 Apr 2018 19:25

Tgt Ion:	240	Resp:	276830
Ion Ratio		Lower	Upper
240	100		
120	14.1	9.5	14.3
236	25.8	20.7	31.1





#77

Pvrene

Concen: 34.036 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF104637.D

Acq: 19 Apr 2018 19:25

Instrument :

BNA_F

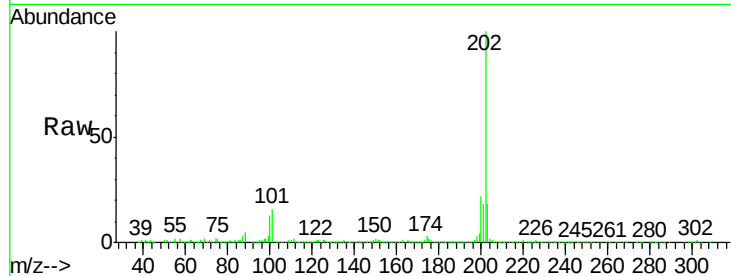
ClientSampleId :

20180245-AMEND-COMP-B

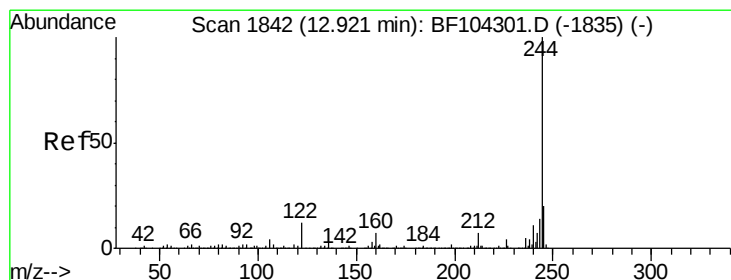
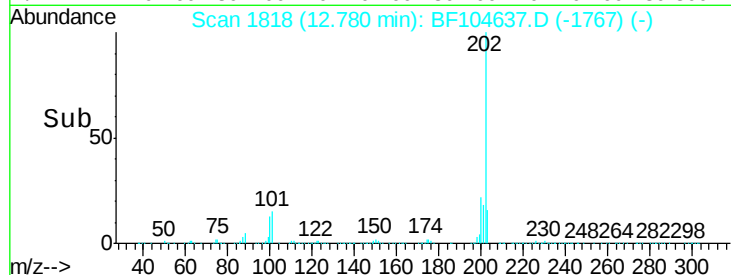
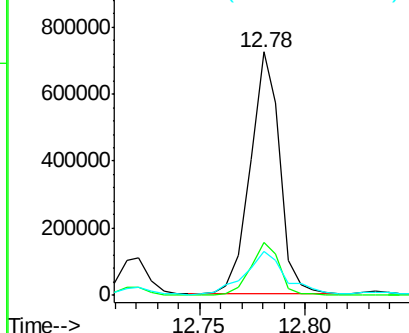
Tot Ion:	202	Resp:	698399
Ion Ratio		Lower	Upper
202	100		
200	21.7	17.4	26.2
203	18.1	14.3	21.5

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 81.442 ng

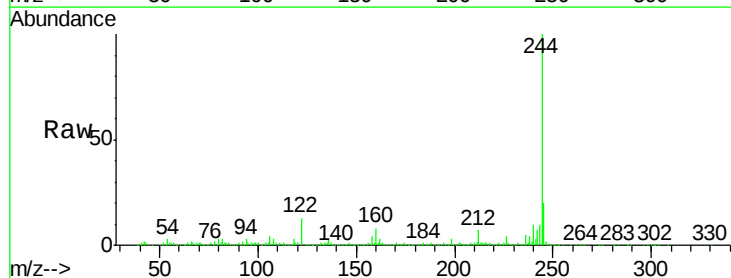
RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

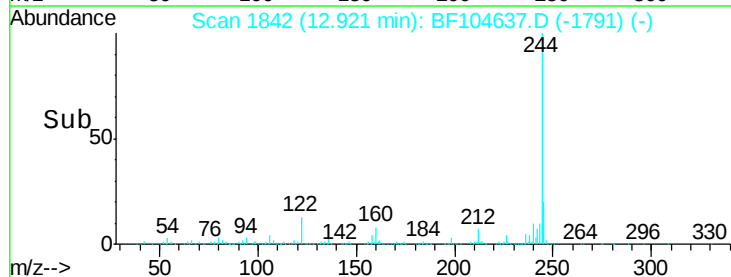
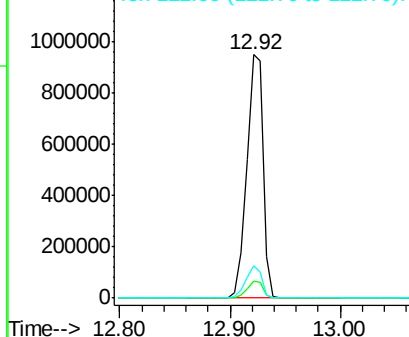
Lab File: BF104637.D

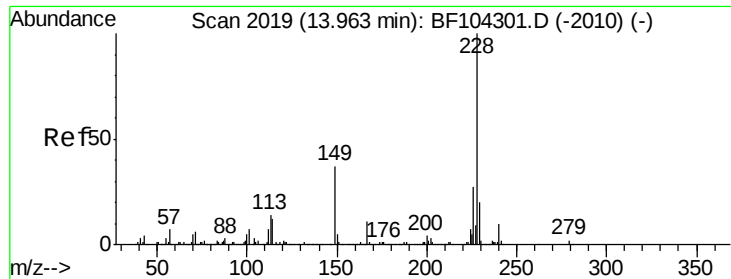
Acq: 19 Apr 2018 19:25

Tgt Ion:	244	Resp:	988917
Ion Ratio		Lower	Upper
244	100		
212	6.9	5.4	8.0
122	13.2	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





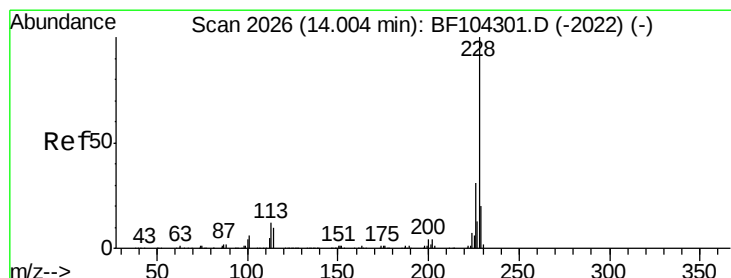
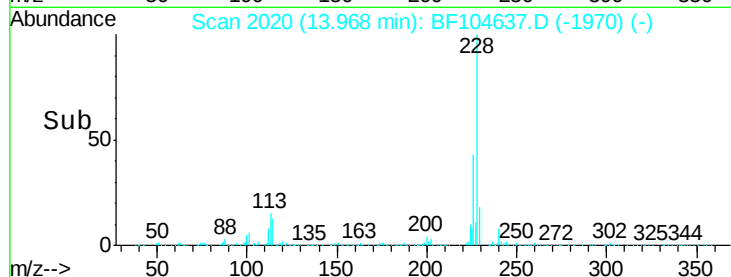
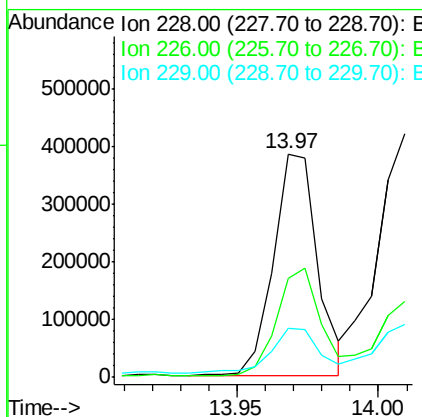
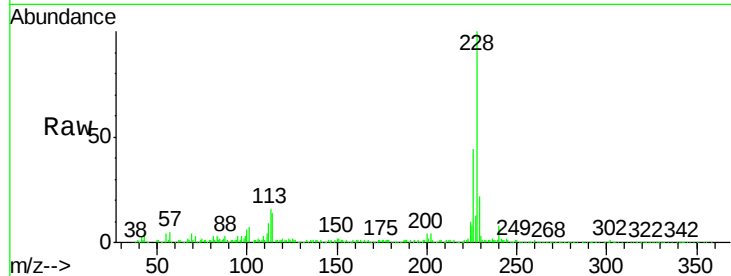
#80
Benzo(a)anthracene
Concen: 25.394 ng m
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104637.D
Acq: 19 Apr 2018 19:25

Instrument :
BNA_F
ClientSampleId :
20180245-AMEND-COMP-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	44.2	22.6	33.8#
229	22.0	15.8	23.6

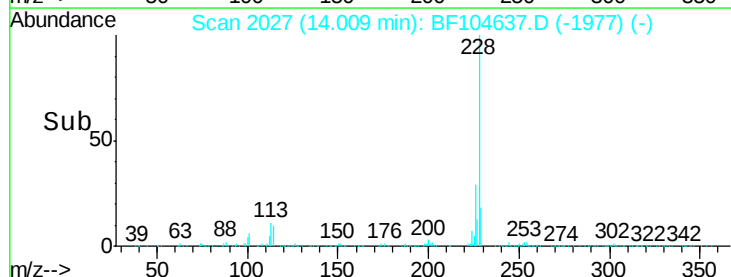
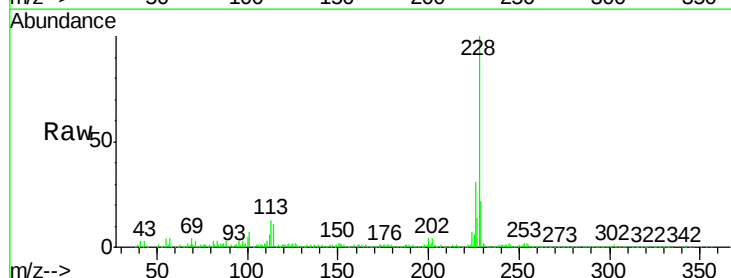
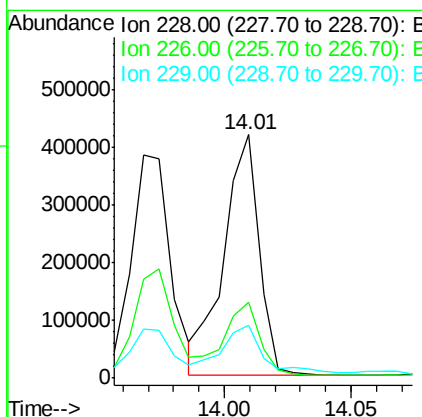
Manual Integrations
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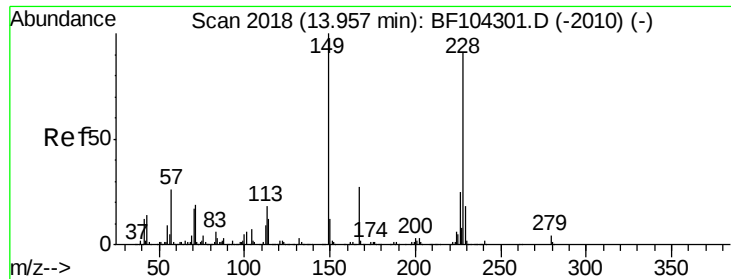
Sohil
4/20/2018 3:05:25 PM



#82
Chrysene
Concen: 23.758 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF104637.D
Acq: 19 Apr 2018 19:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	21.7	16.2	24.4





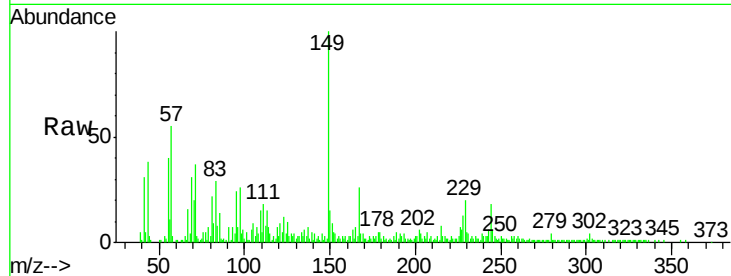
#83
Bis(2-ethylhexyl)phthalate
Concen: 4.177 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BF104637.D
Acq: 19 Apr 2018 19:25

Instrument :
BNA_F
ClientSampleId :
20180245-AMEND-COMP-B

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.3	31.9
279	3.5	3.0	4.4

Manual Integrations
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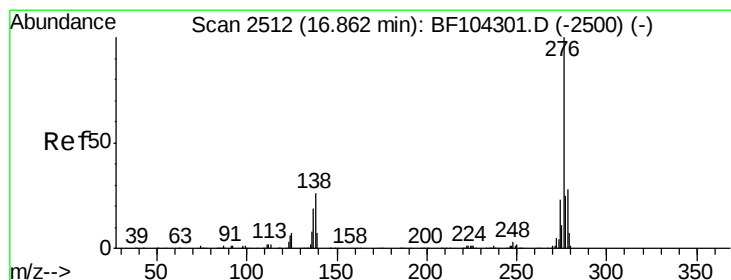
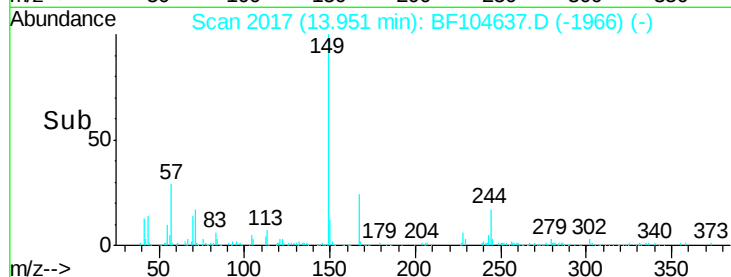
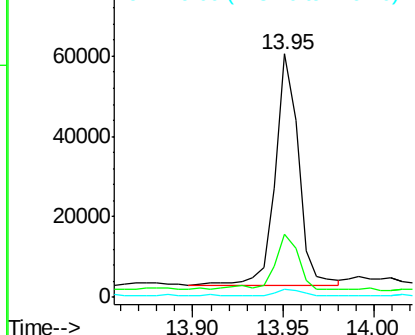


Abundance

Ion 149.00 (148.70 to 149.70): E

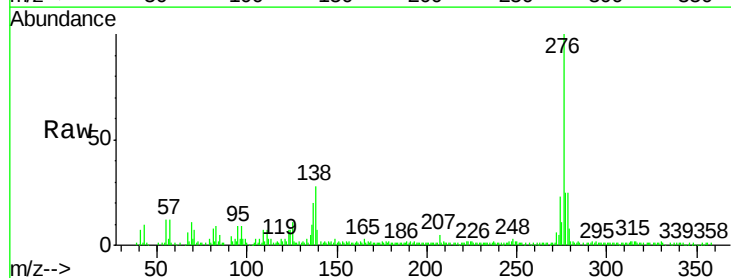
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85
Indeno(1,2,3-cd)pyrene
Concen: 9.108 ng
RT: 16.89 min Scan# 2517
Delta R.T. -0.02 min
Lab File: BF104637.D
Acq: 19 Apr 2018 19:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.2	25.0	37.6
277	24.9	20.1	30.1

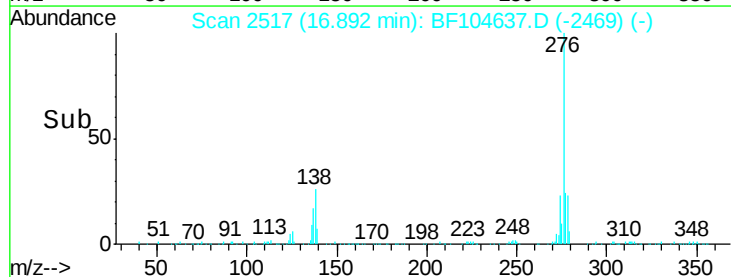
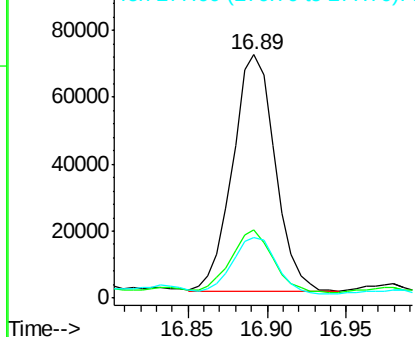


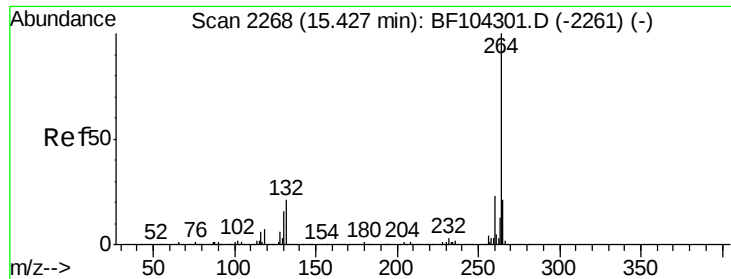
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





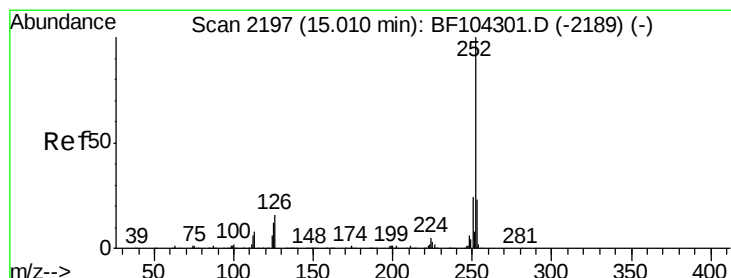
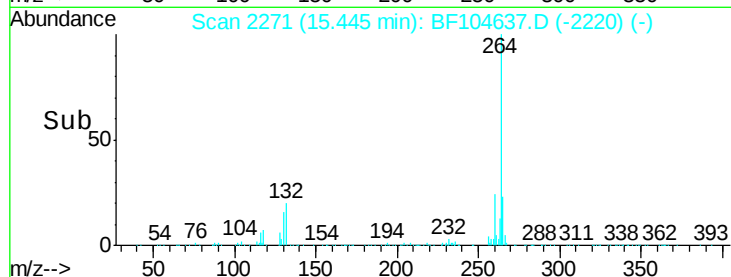
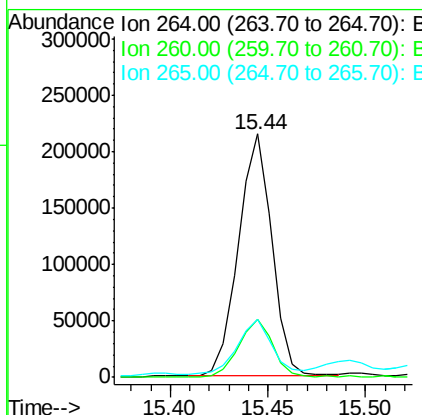
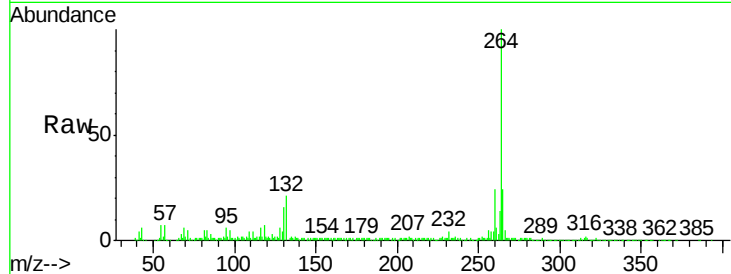
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.00 min
Lab File: BF104637.D
Acq: 19 Apr 2018 19:25

Instrument :
BNA_F
ClientSampleId :
20180245-AMEND-COMP-B

Tot Ion:	264	Resp:	256108
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.2	28.8
265	23.6	17.5	26.3

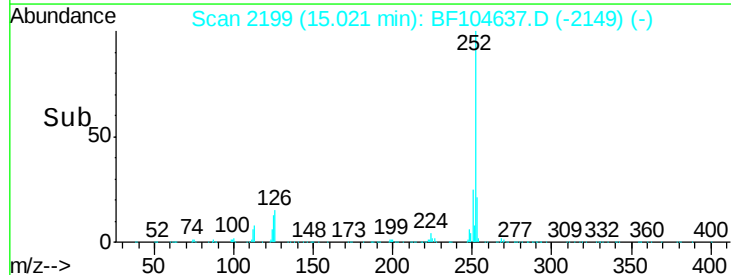
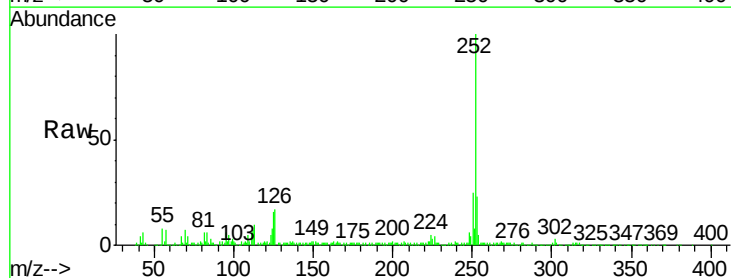
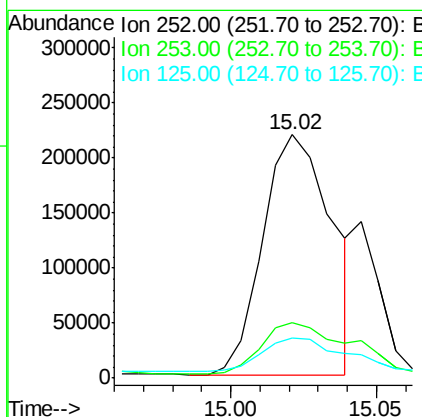
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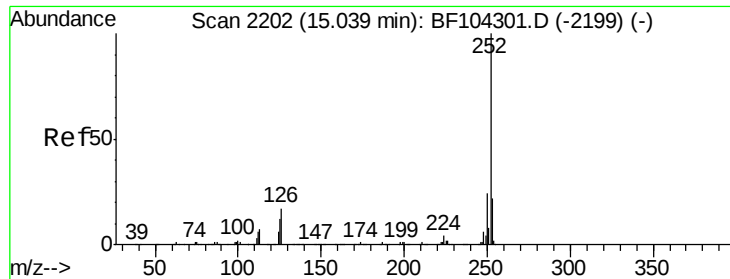
Sohil
4/20/2018 3:05:25 PM



#87
Benzo(b)fluoranthene
Concen: 22.373 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF104637.D
Acq: 19 Apr 2018 19:25

Tgt Ion:	252	Resp:	361888
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.0	25.6
125	16.2	9.0	13.6#





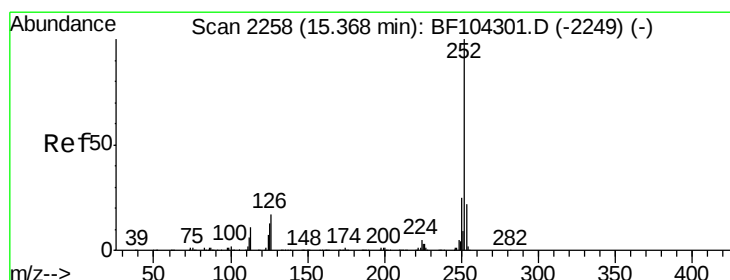
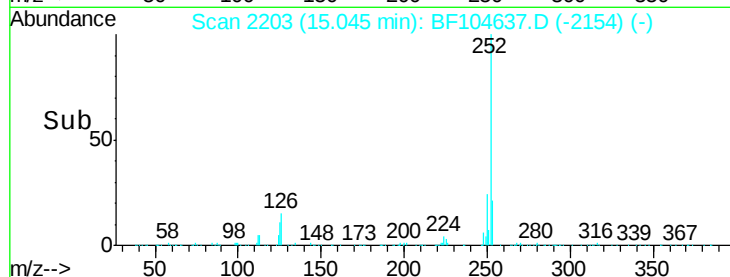
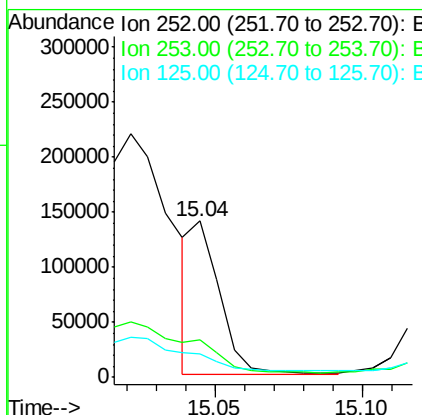
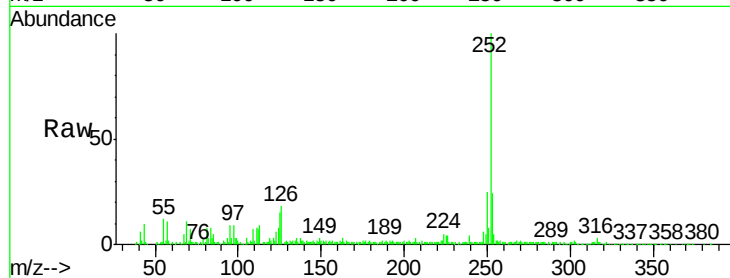
#88
Benzo(k)fluoranthene
Concen: 5.994 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF104637.D
Acq: 19 Apr 2018 19:25

Instrument :
BNA_F
ClientSampleId :
20180245-AMEND-COMP-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	15.1	10.2	15.2

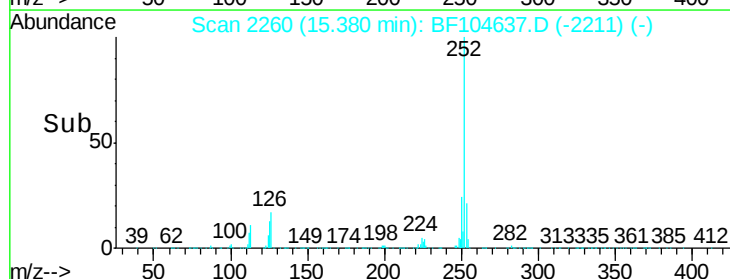
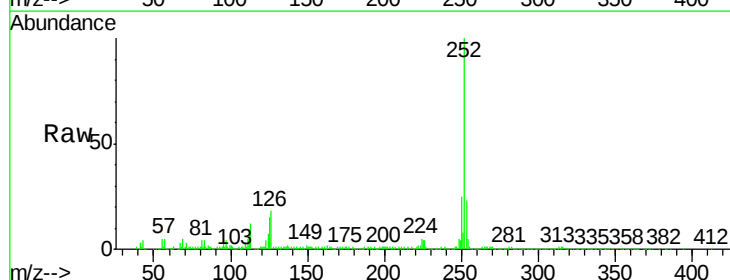
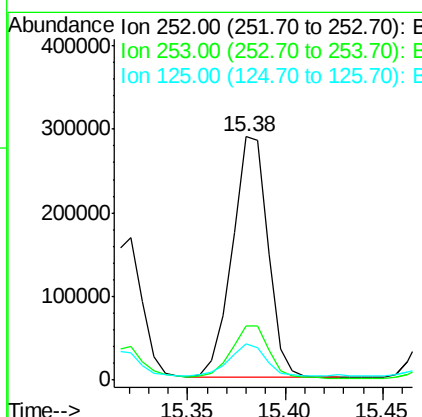
Manual Integrations
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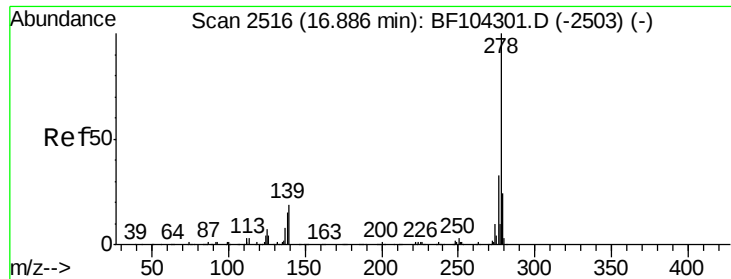
Sohil
4/20/2018 3:05:25 PM



#89
Benzo(a)pyrene
Concen: 25.384 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF104637.D
Acq: 19 Apr 2018 19:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	14.7	9.8	14.6





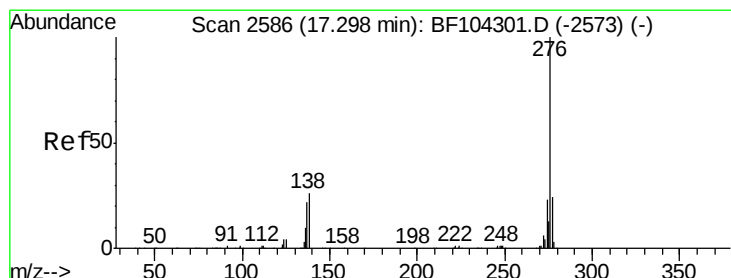
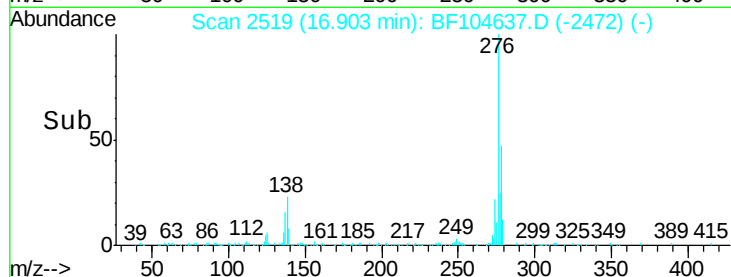
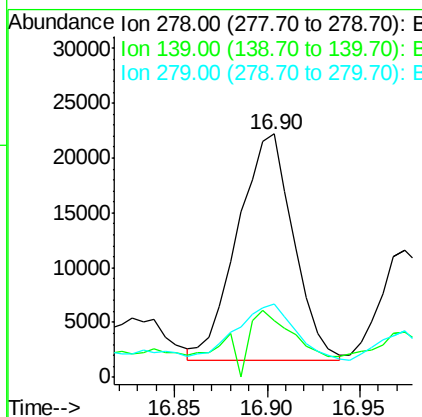
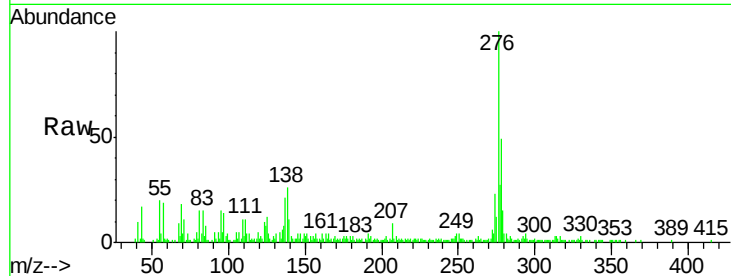
#90
Dibenzo(a,h)anthracene
Concen: 3.630 ng m
RT: 16.90 min Scan# 2519
Delta R.T. -0.02 min
Lab File: BF104637.D
Acq: 19 Apr 2018 19:25

Instrument :
BNA_F
ClientSampleId :
20180245-AMEND-COMP-B

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.2	15.9	23.9
279	30.3	19.0	28.4

Manual Integrations
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4/20/2018 3:05:25 PM



#91
Benzo(g,h,i)perylene
Concen: 11.610 ng
RT: 17.33 min Scan# 2592
Delta R.T. -0.02 min
Lab File: BF104637.D
Acq: 19 Apr 2018 19:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	17.9	26.9
138	26.8	21.8	32.8

