

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
 Data File : BF104577.D
 Acq On : 17 Apr 2018 22:22
 Operator : JU/SJ
 Sample : J2387-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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Quant Time: Apr 18 02:15:04 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 17 17:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	144075	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	558399	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	224228	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	355115	20.00	ng	0.00
75) Chrysene-d12	13.98	240	290220	20.00	ng	0.00
86) Perylene-d12	15.45	264	249090	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	366324	38.88	ng	0.00
7) Phenol-d6	6.44	99	895083	77.31	ng	0.00
23) Nitrobenzene-d5	7.37	82	615317	71.95	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	54092	23.26	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	781620	55.07	ng	0.00
78) Terphenyl-d14	12.92	244	665409	52.27	ng	0.00
Target Compounds						
48) Acenaphthylene	9.70	152	215720	9.241	ng	99
49) Dimethylphthalate	9.56	163	112508	6.363	ng	99
51) Acenaphthene	9.87	154	46780	3.284	ng	100
57) Fluorene	10.39	166	43604	3.018	ng	# 93
70) Phenanthrene	11.36	178	375787	19.002	ng	99
71) Anthracene	11.41	178	291012	14.476	ng	98
74) Fluoranthene	12.55	202	568016	27.491	ng	99
77) Pyrene	12.78	202	796066	37.005	ng	99
80) Benzo(a)anthracene	13.97	228	510995m	29.472	ng	
82) Chrysene	14.01	228	506663	28.450	ng	99
83) Bis(2-ethylhexyl)phthalate	13.96	149	79463	6.096	ng	98
85) Indeno(1,2,3-cd)pyrene	16.89	276	150912	9.975	ng	94
87) Benzo(b)fluoranthene	15.03	252	428182m	27.217	ng	
88) Benzo(k)fluoranthene	15.05	252	92767m	6.246	ng	
89) Benzo(a)pyrene	15.39	252	422094	29.986	ng	96
90) Dibenzo(a,h)anthracene	16.90	278	47910m	4.144	ng	
91) Benzo(g,h,i)perylene	17.34	276	155167	13.853	ng	95

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

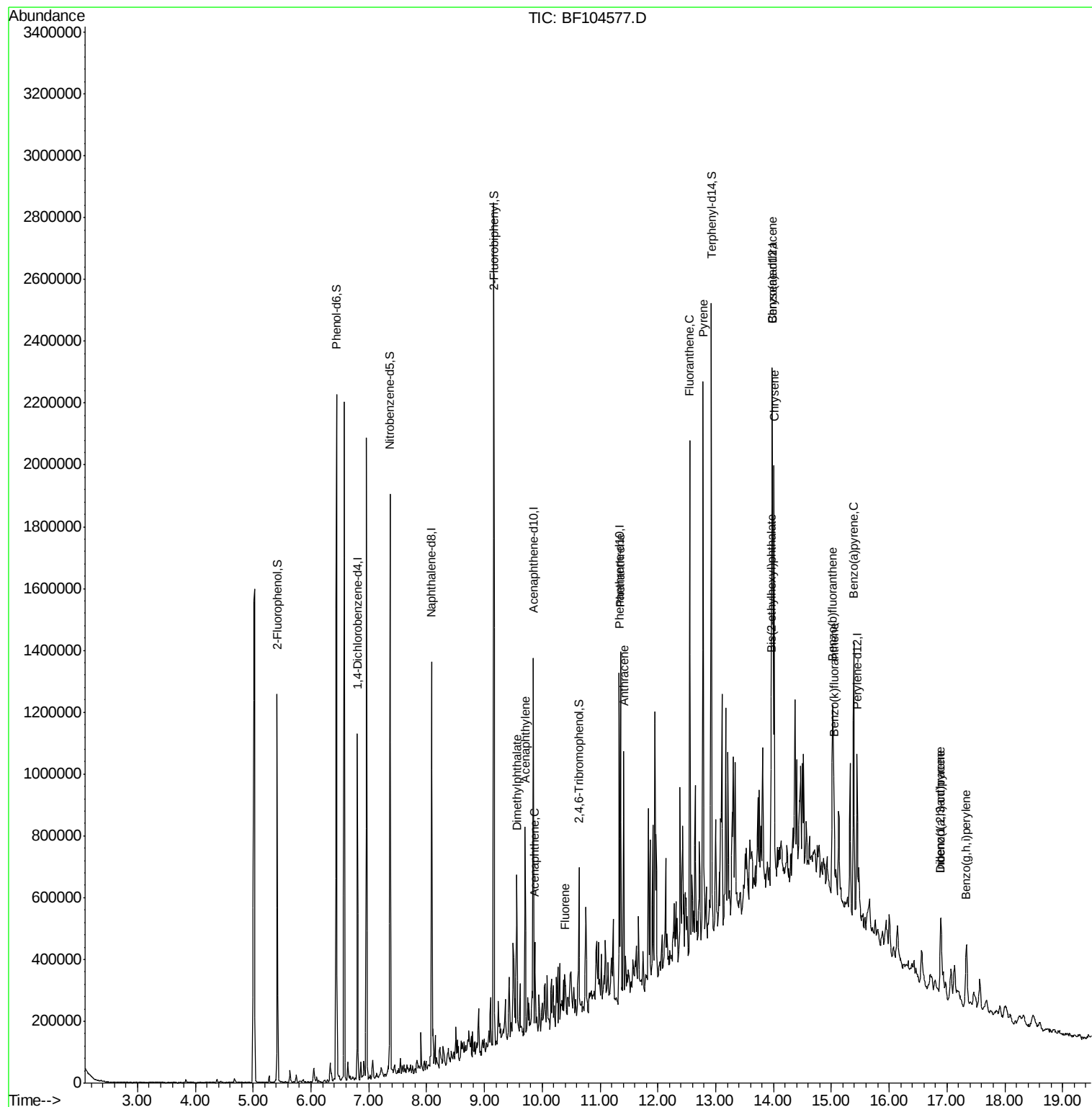
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
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ALS Vial : 18 Sample Multiplier: 1

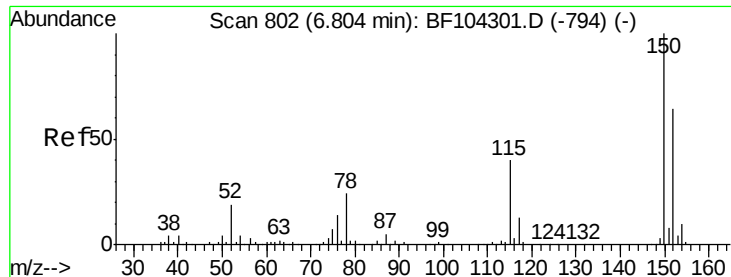
Instrument :
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#1

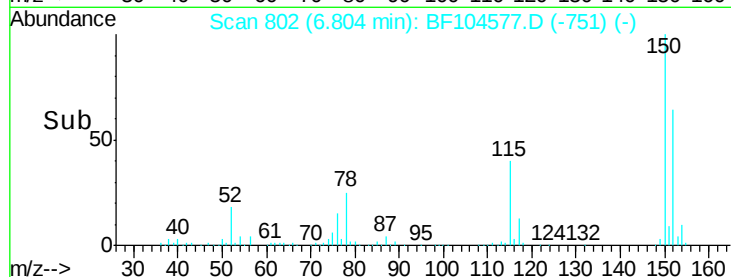
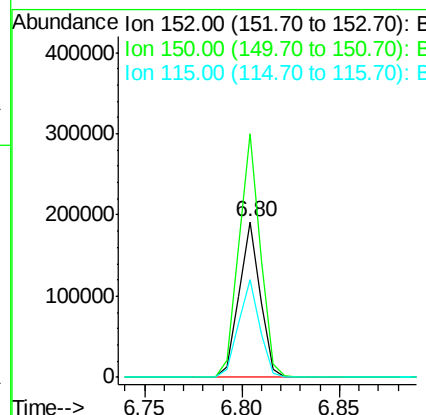
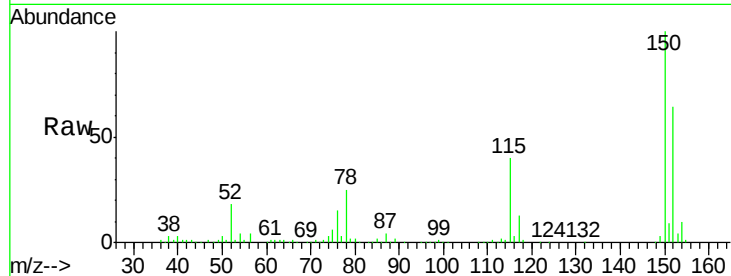
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104577.D
Acq: 17 Apr 2018 22:22

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.6	186.8
115	63.0	50.1	75.1

Manual Integrations
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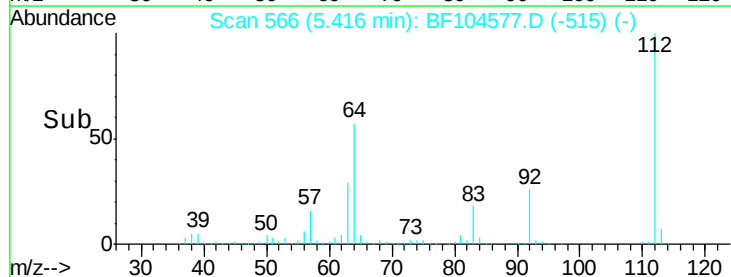
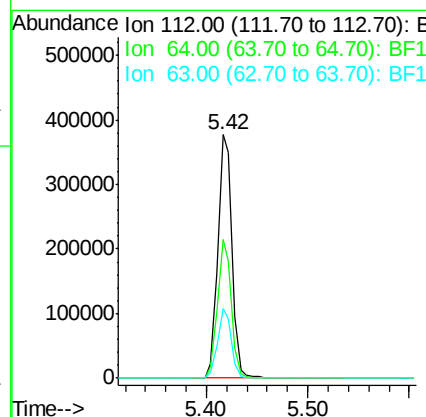
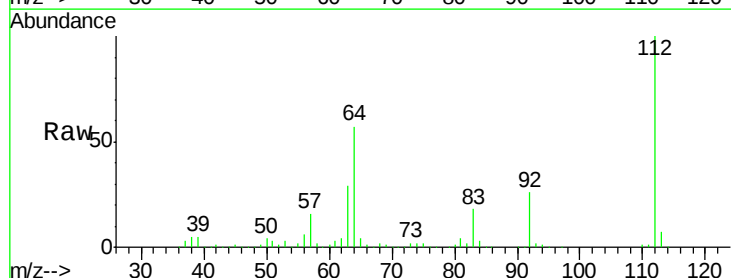
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#5

2-Fluorophenol
Concen: 38.878 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF104577.D
Acq: 17 Apr 2018 22:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	47.9	71.9
63	28.5	23.7	35.5





#7

Phenol-d6

Concen: 77.314 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104577.D

Acq: 17 Apr 2018 22:22

Instrument :

BNA_F

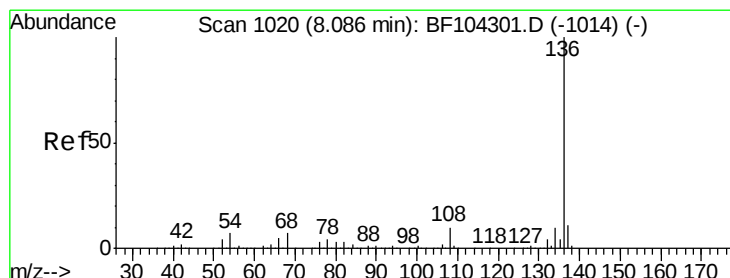
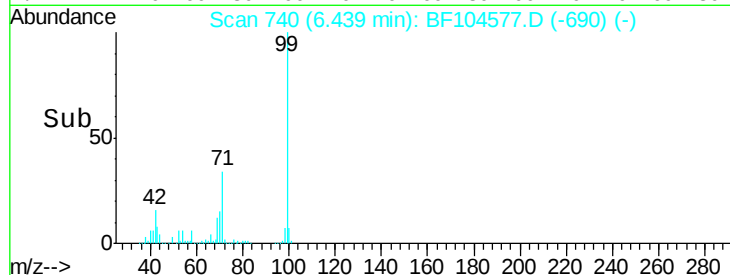
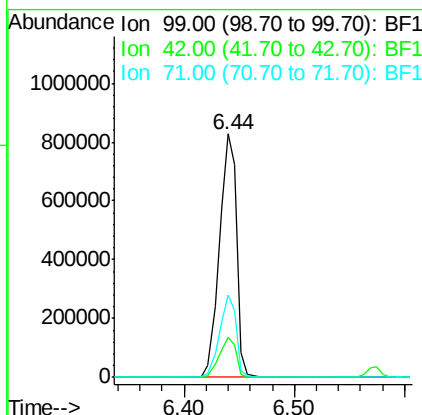
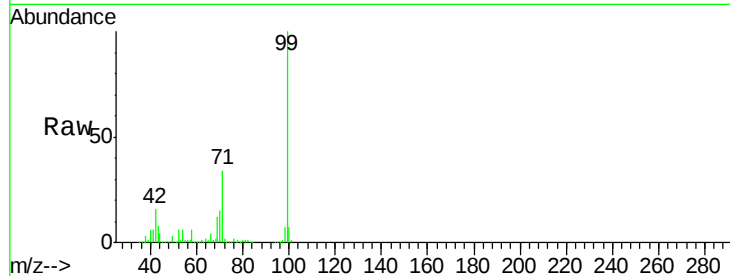
ClientSampleId :

20180245-AMEND-COMP-B

Tot Ion:	99	Resp:	895083
Ion	Ratio	Lower	Upper
99	100		
42	16.4	14.5	21.7
71	33.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

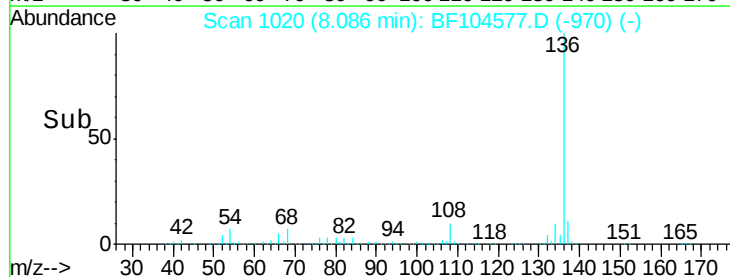
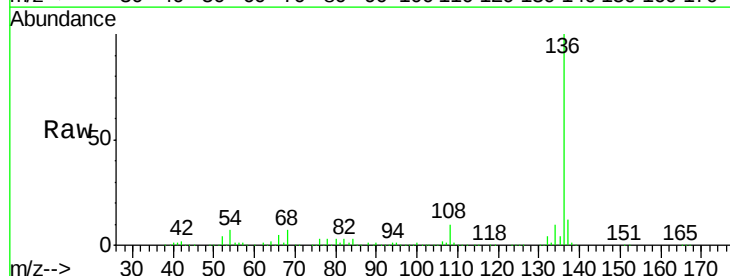
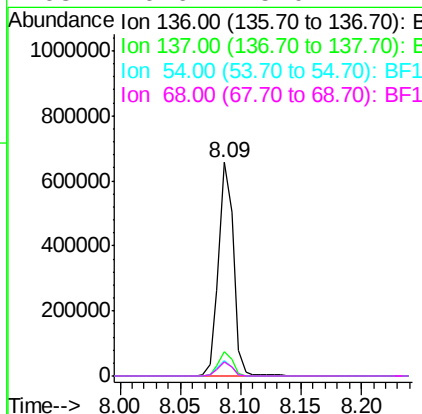
RT: 8.09 min Scan# 1020

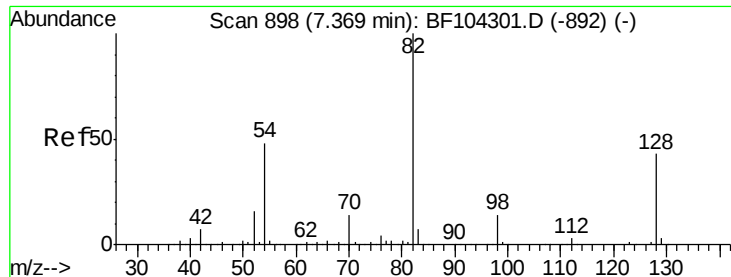
Delta R.T. -0.01 min

Lab File: BF104577.D

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Tgt Ion:	136	Resp:	558399
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	7.4	6.6	9.8
68	6.6	5.0	7.4





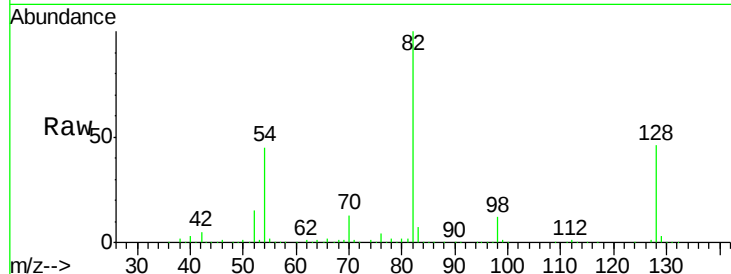
#23
Nitrobenzene-d5
Concen: 71.954 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104577.D
Acq: 17 Apr 2018 22:22

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

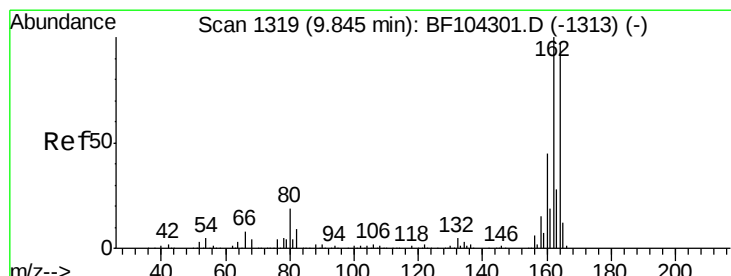
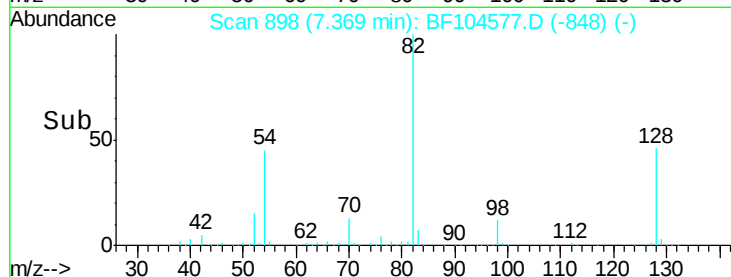
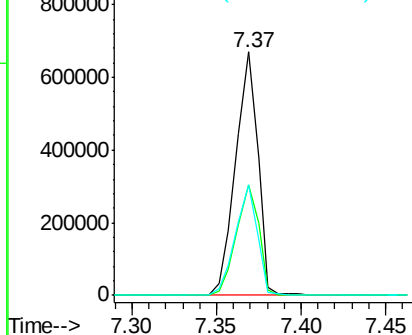
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.1	54.1
54	45.4	41.4	62.2

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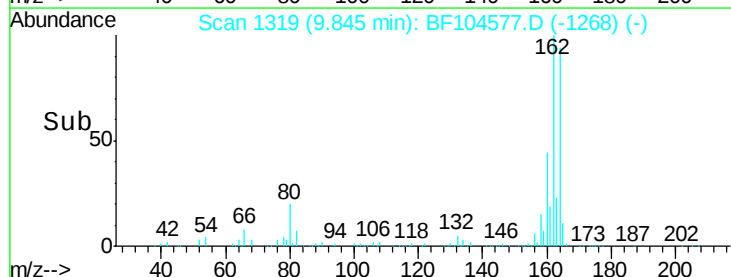
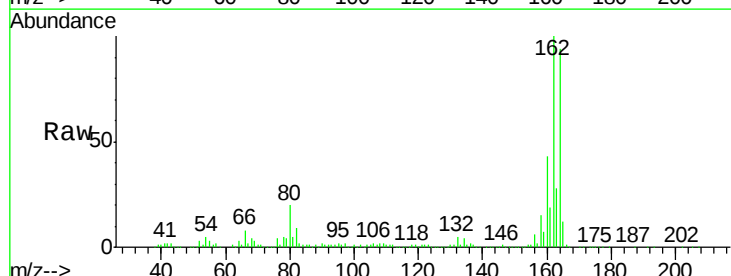
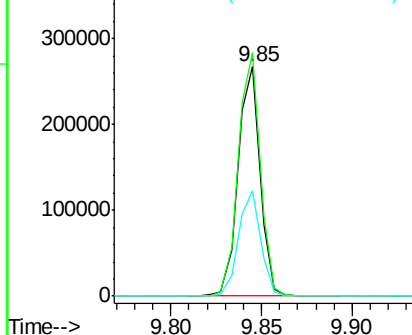
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.00 min
Lab File: BF104577.D
Acq: 17 Apr 2018 22:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.3	86.1	129.1
160	46.1	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





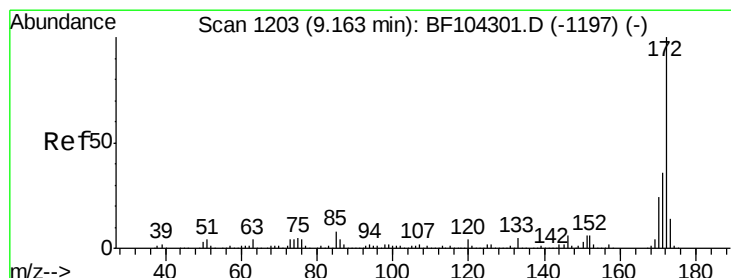
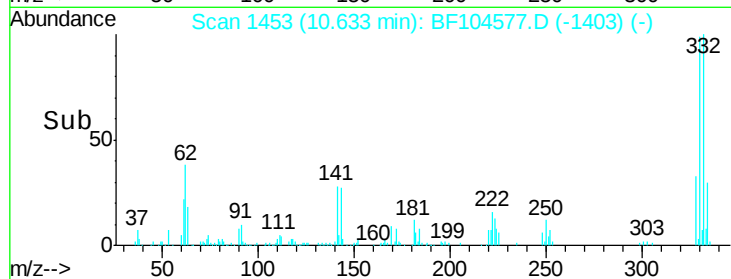
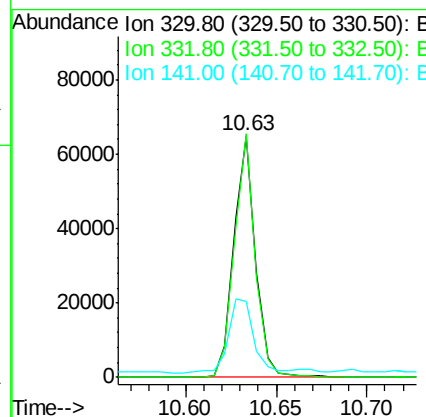
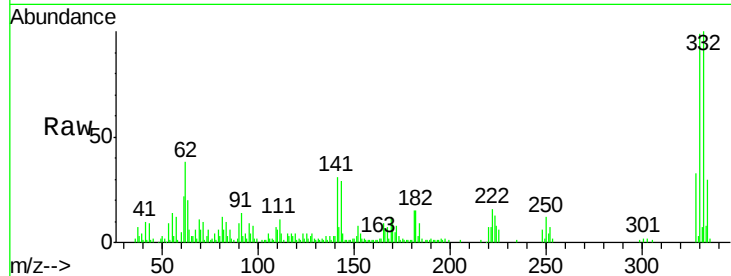
#41
 2,4,6-Tribromophenol
 Concen: 23.256 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104577.D
 Acq: 17 Apr 2018 22:22

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100	54092		
332	97.1	77.0	115.6	
141	35.2	29.9	44.9	

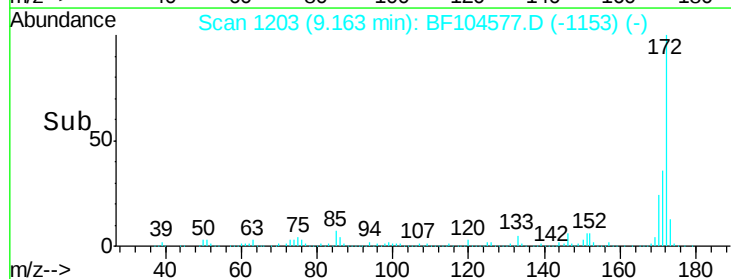
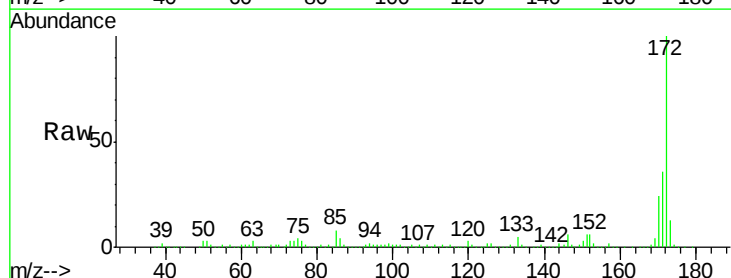
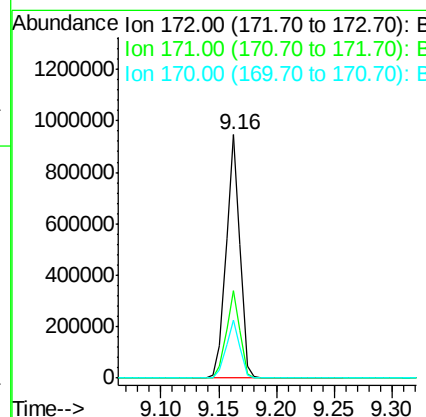
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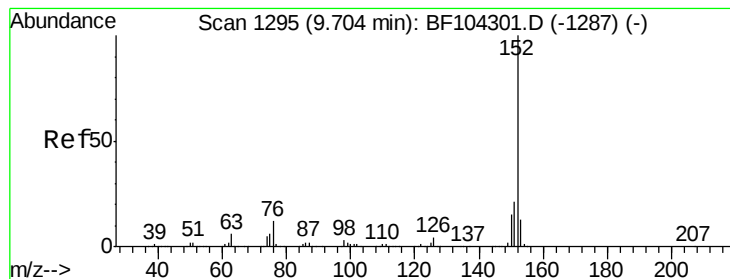
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#44
 2-Fluorobiphenyl
 Concen: 55.067 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104577.D
 Acq: 17 Apr 2018 22:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	781620		
171	36.0	29.7	44.5	
170	23.9	19.6	29.4	





#48

Acenaphthylene

Concen: 9.241 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF104577.D

Acq: 17 Apr 2018 22:22

Instrument :

BNA_F

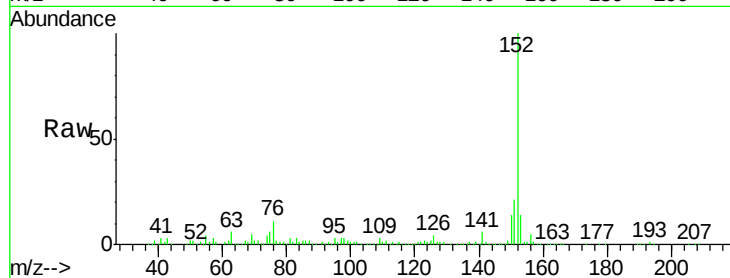
ClientSampleId :

20180245-AMEND-COMP-B

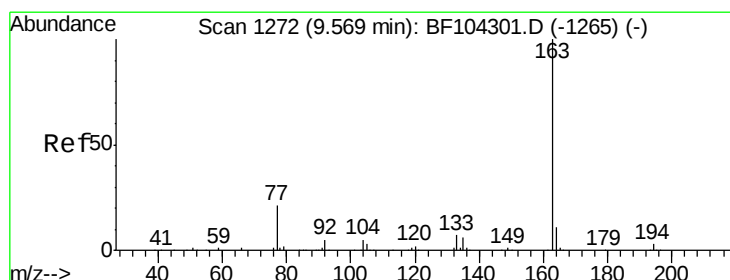
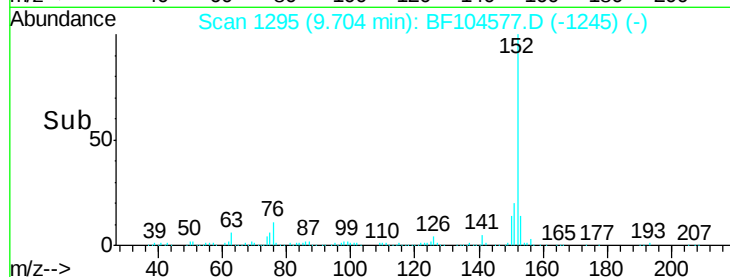
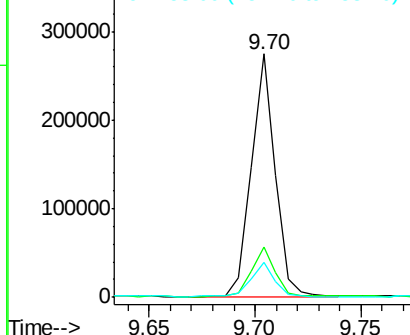
Tot Ion:	152	Resp:	215720
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.3	24.5
153	14.1	10.7	16.1

Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 6.363 ng

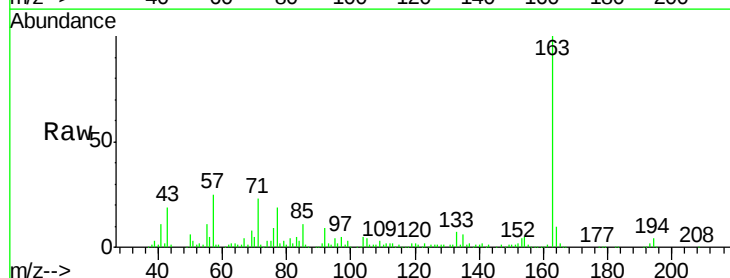
RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

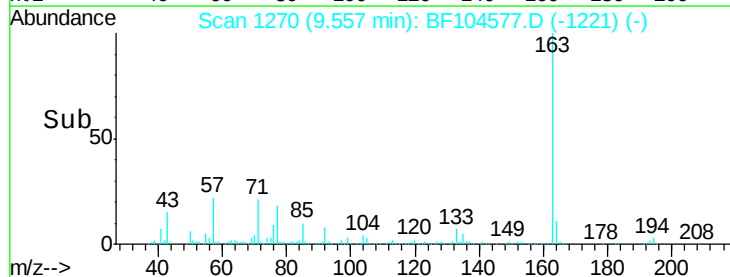
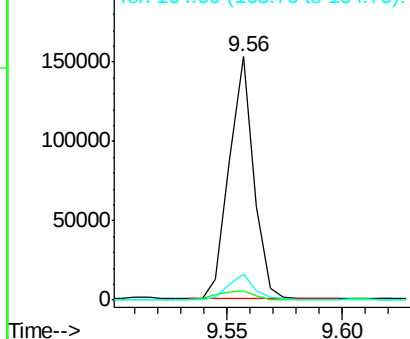
Lab File: BF104577.D

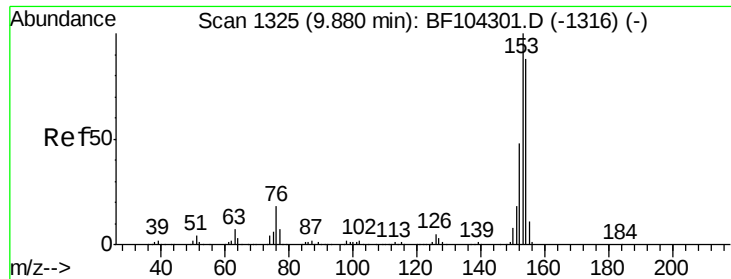
Acq: 17 Apr 2018 22:22

Tgt Ion:	163	Resp:	112508
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.7	4.1
164	10.4	8.2	12.2



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: 3.284 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF104577.D

Acq: 17 Apr 2018 22:22

Instrument :

BNA_F

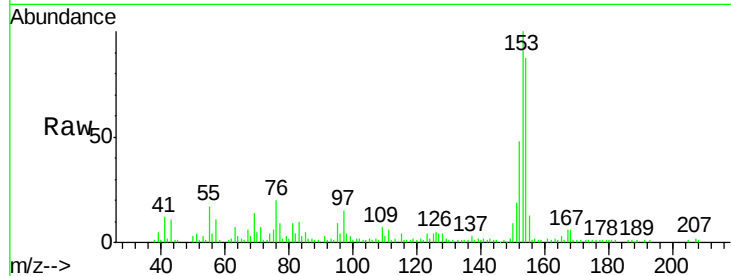
ClientSampleId :

20180245-AMEND-COMP-B

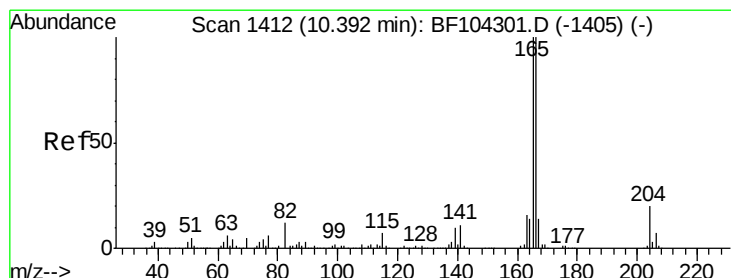
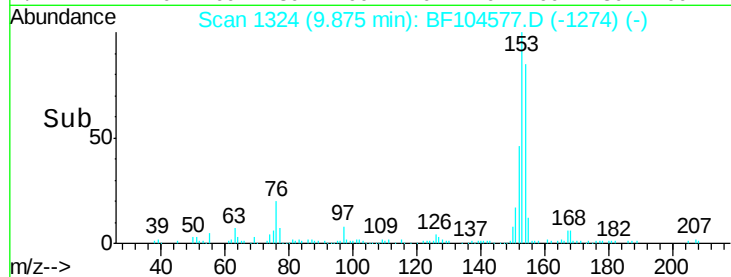
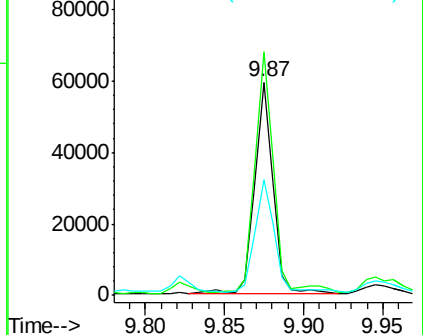
Tot Ion:	154	Resp:	46780
Ion	Ratio	Lower	Upper
154	100		
153	114.4	91.2	136.8
152	54.3	43.8	65.8

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



#57

Fluorene

Concen: 3.018 ng

RT: 10.39 min Scan# 1412

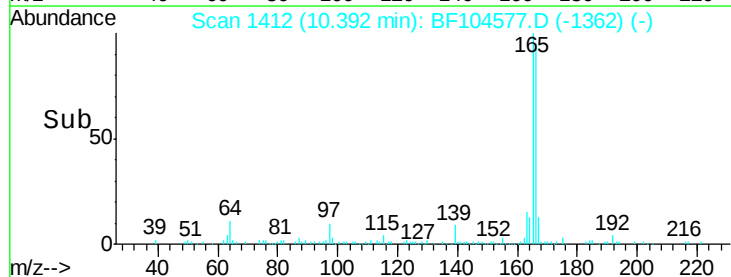
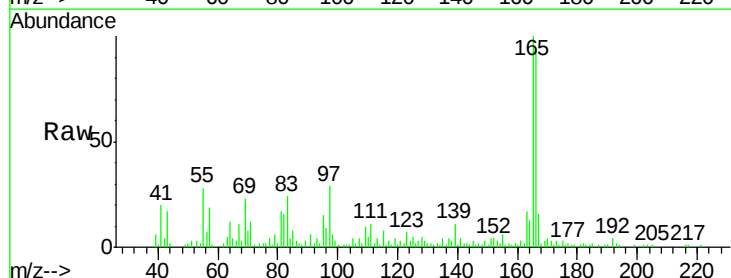
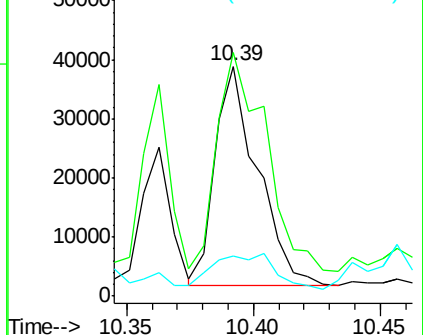
Delta R.T. -0.01 min

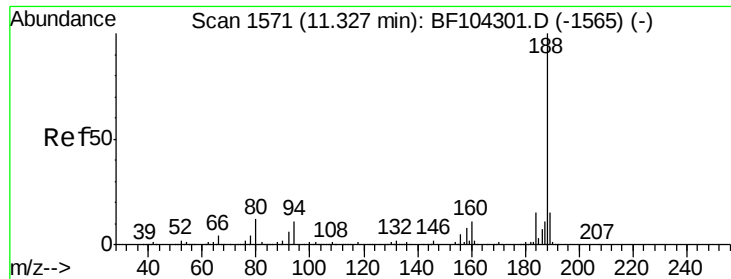
Lab File: BF104577.D

Acq: 17 Apr 2018 22:22

Tgt Ion:	166	Resp:	43604
Ion	Ratio	Lower	Upper
166	100		
165	105.9	79.8	119.8
167	17.4	10.6	16.0#

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





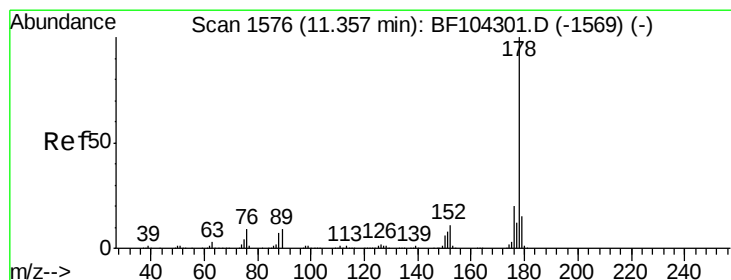
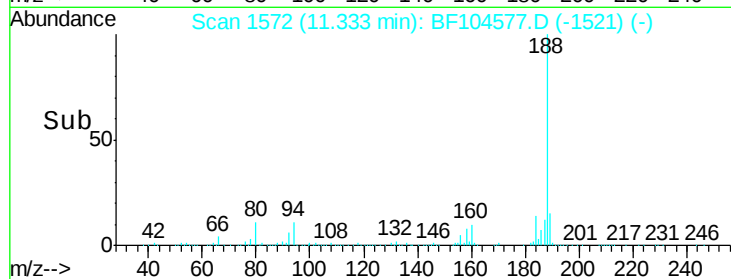
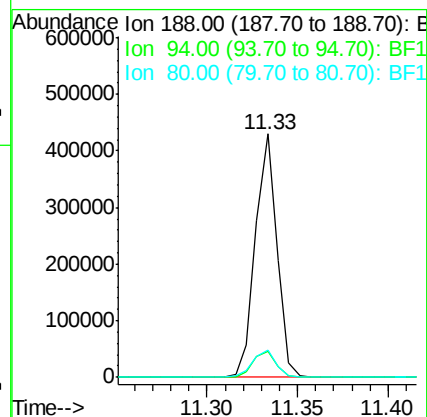
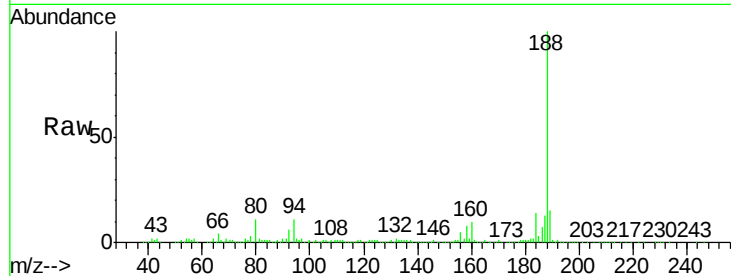
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF104577.D
Acq: 17 Apr 2018 22:22

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

Tot Ion:	188	Resp:	355115
Ion Ratio	Lower	Upper	
188	100		
94	10.8	8.5	12.7
80	11.1	9.2	13.8

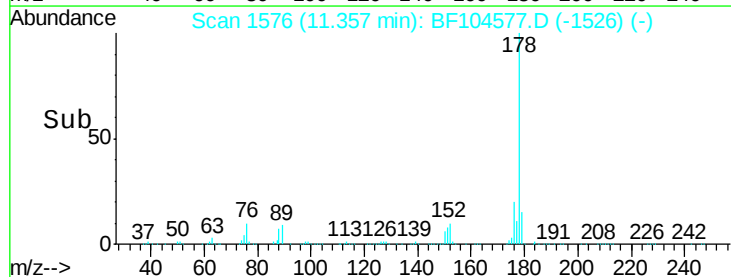
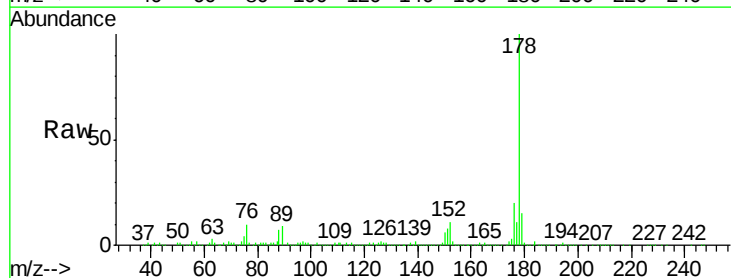
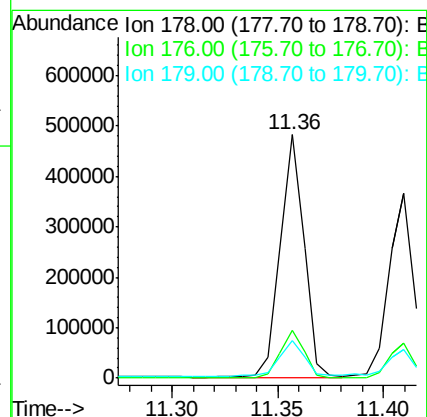
Manual Integrations
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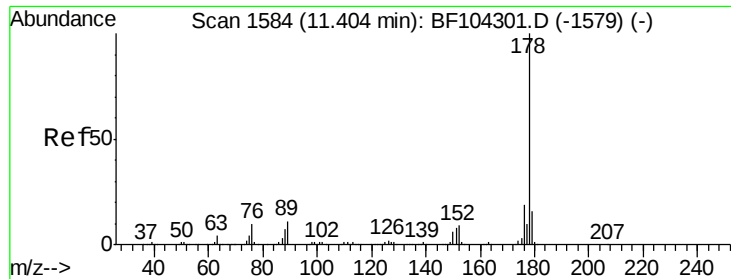
Sohil
4/18/2018 3:01:08 PM



#70
Phenanthrene
Concen: 19.002 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104577.D
Acq: 17 Apr 2018 22:22

Tgt Ion:	178	Resp:	375787
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.8	23.8
179	15.4	13.0	19.6





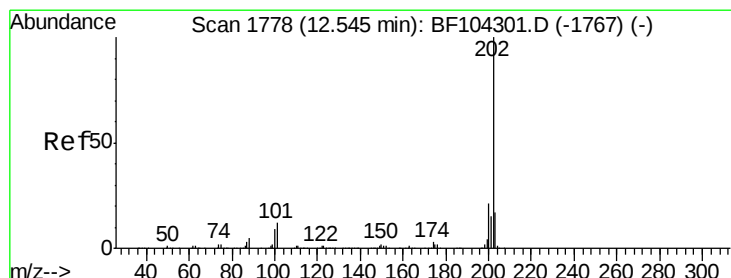
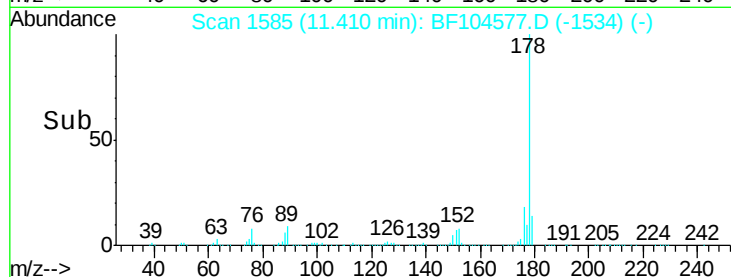
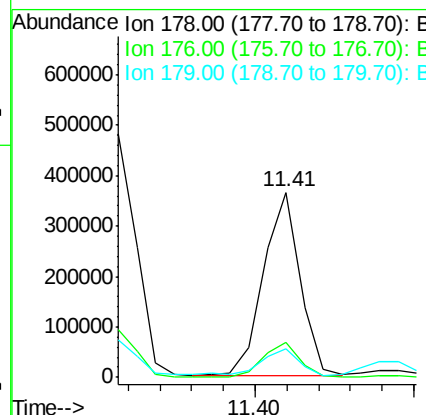
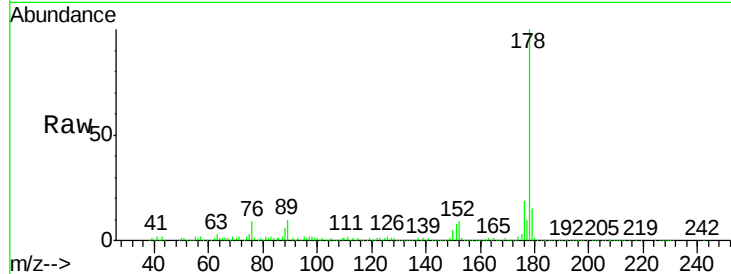
#71
 Anthracene
 Concen: 14.476 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF104577.D
 Acq: 17 Apr 2018 22:22

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.1	12.6	19.0

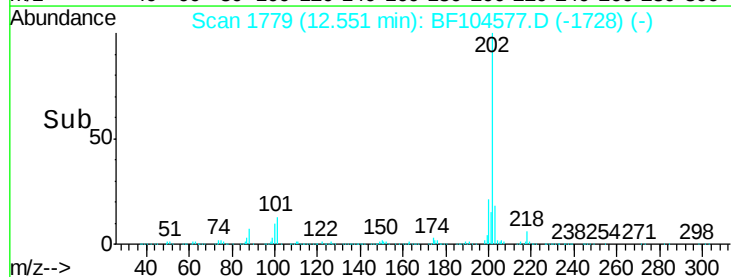
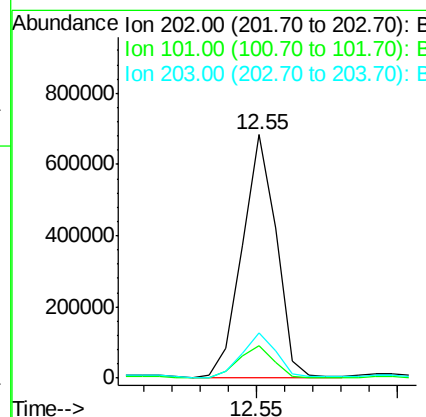
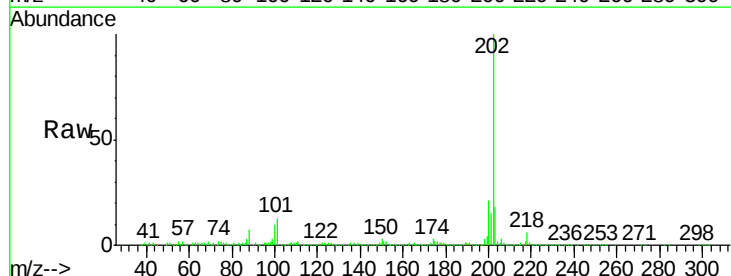
Manual Integrations
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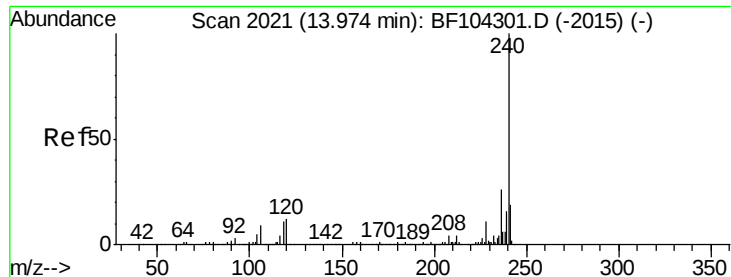
Sohil
 4/18/2018 3:01:08 PM



#74
 Fluoranthene
 Concen: 27.491 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: BF104577.D
 Acq: 17 Apr 2018 22:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	34.1
203	18.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF104577.D

Acq: 17 Apr 2018 22:22

Instrument :

BNA_F

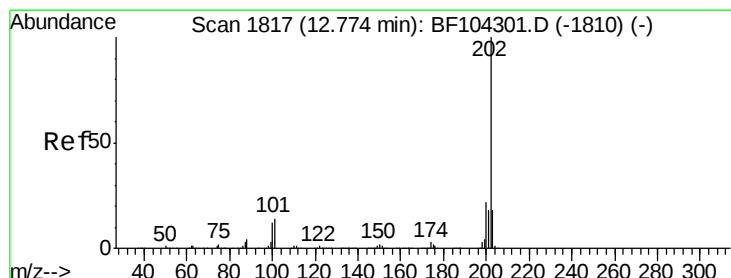
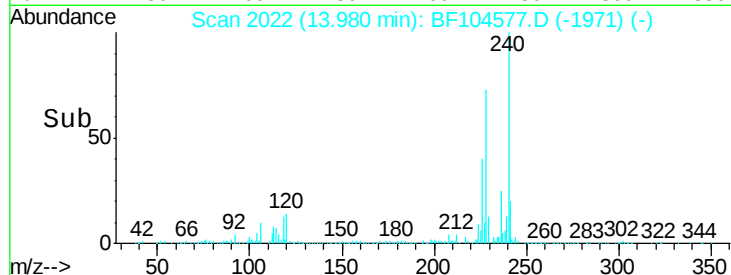
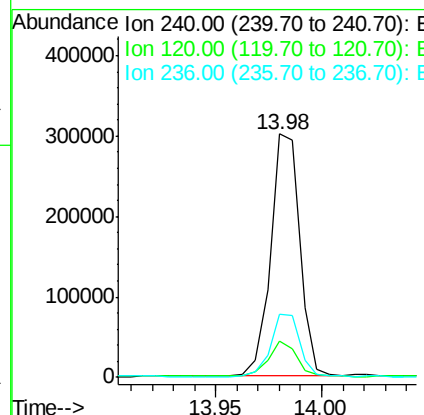
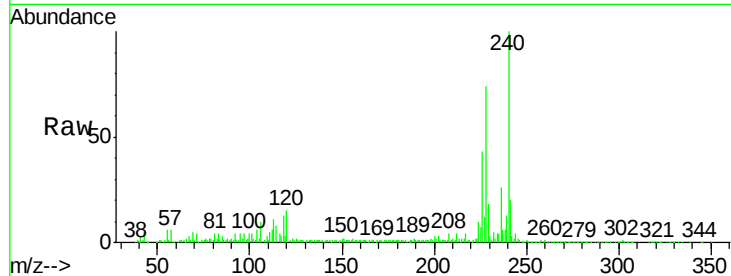
ClientSampleId :

20180245-AMEND-COMP-B

Tot Ion	Ratio	Resp	Lower	Upper
240	100	290220		
120	14.8	9.5	14.3#	
236	26.0	20.7	31.1	

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#77

Pyrene

Concen: 37.005 ng

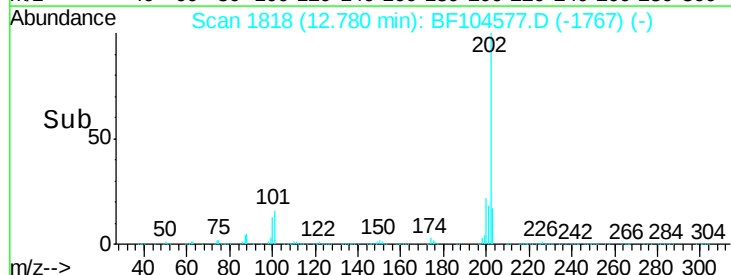
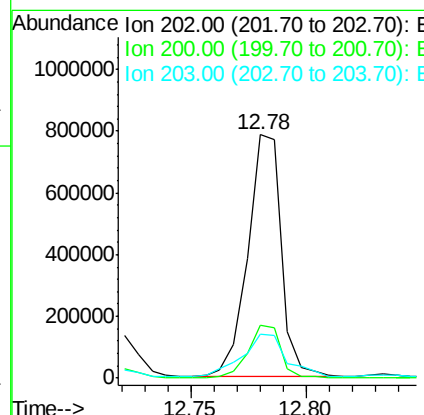
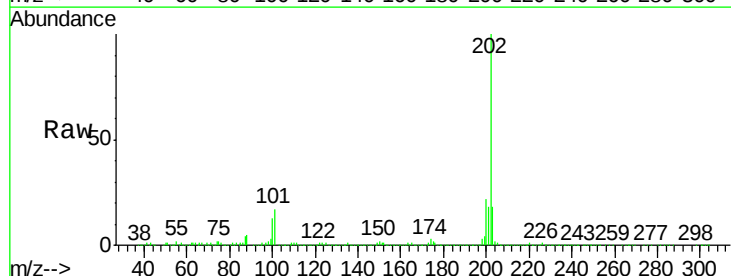
RT: 12.78 min Scan# 1818

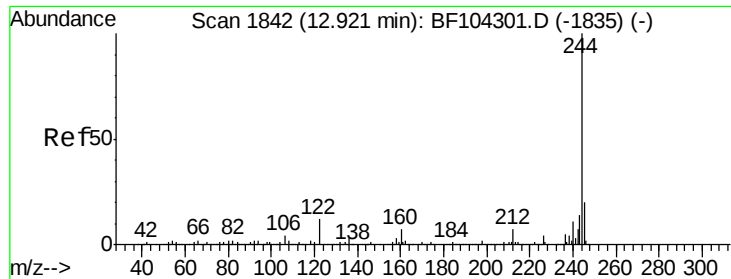
Delta R.T. 0.00 min

Lab File: BF104577.D

Acq: 17 Apr 2018 22:22

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	796066		
200	21.6	17.4	26.2	
203	18.3	14.3	21.5	





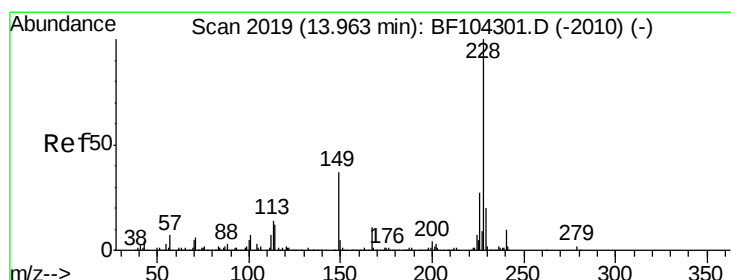
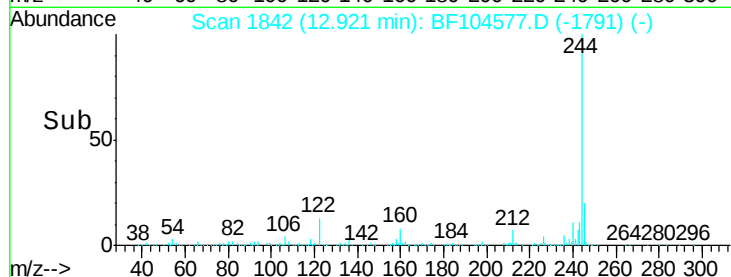
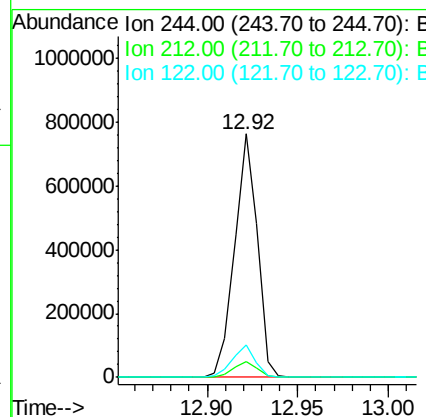
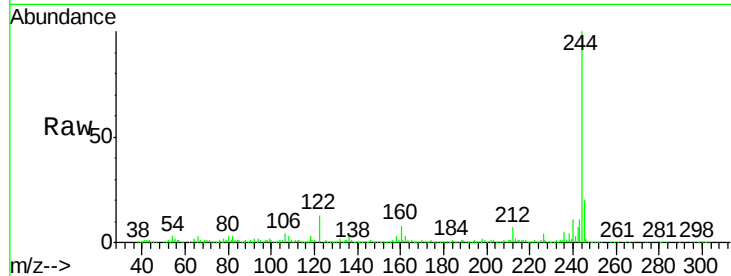
#78
 Terphenyl-d14
 Concen: 52.271 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: BF104577.D
 Acq: 17 Apr 2018 22:22

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	13.1	11.0	16.4

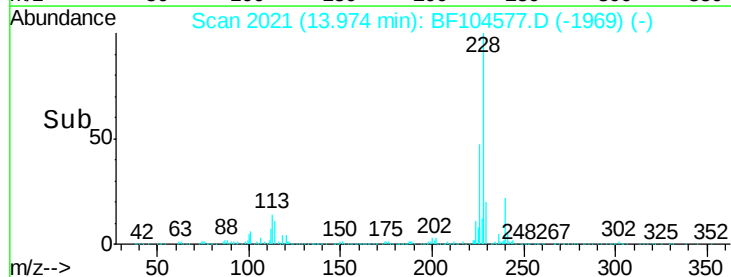
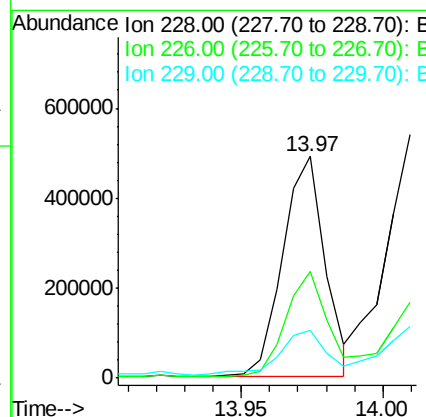
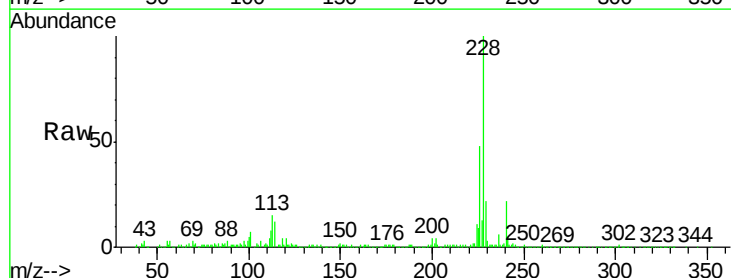
Manual Integrations
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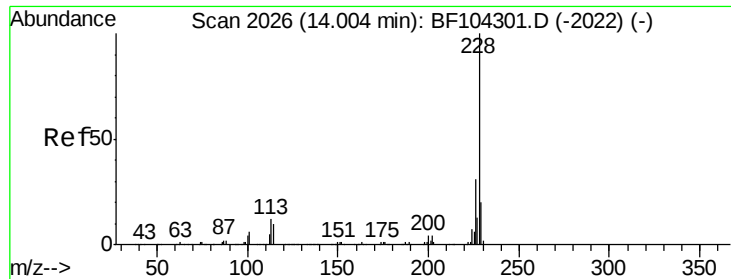
Sohil
 4/18/2018 3:01:08 PM



#80
 Benzo(a)anthracene
 Concen: 29.472 ng m
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.01 min
 Lab File: BF104577.D
 Acq: 17 Apr 2018 22:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	47.9	22.6	33.8#
229	21.7	15.8	23.6





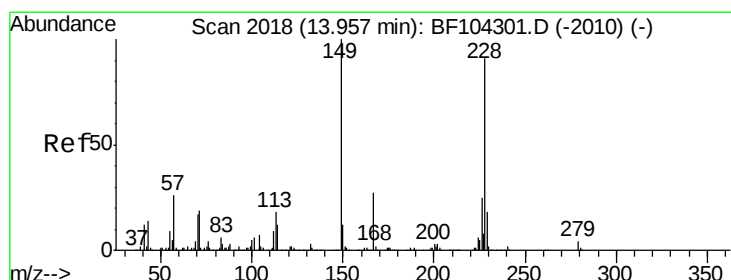
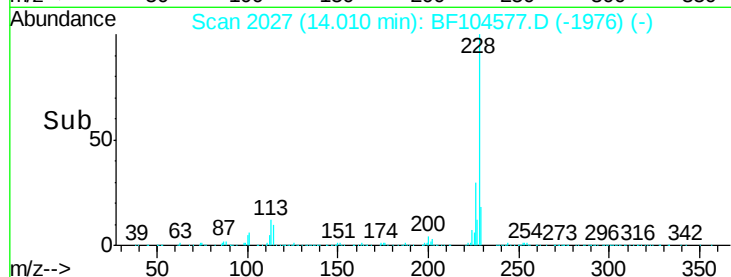
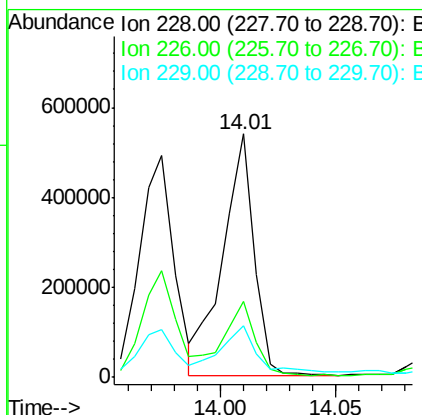
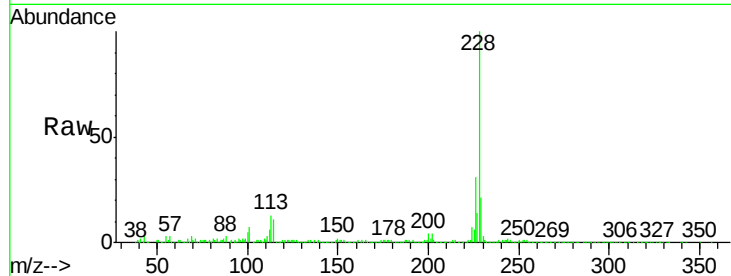
#82
Chrysene
Concen: 28.450 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF104577.D
Acq: 17 Apr 2018 22:22

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

Tot Ion:228	Resp:	506663
Ion Ratio	Lower	Upper
228 100		
226 31.4	25.0	37.6
229 21.2	16.2	24.4

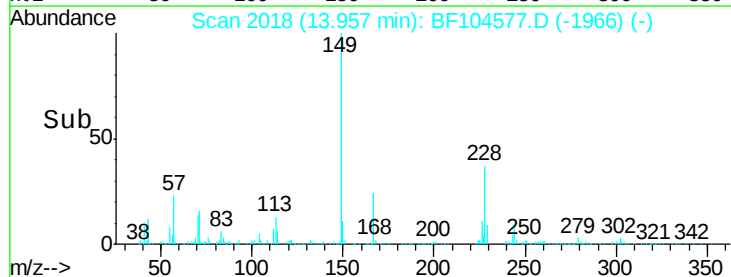
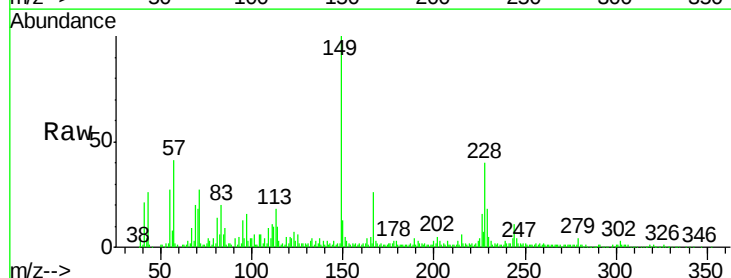
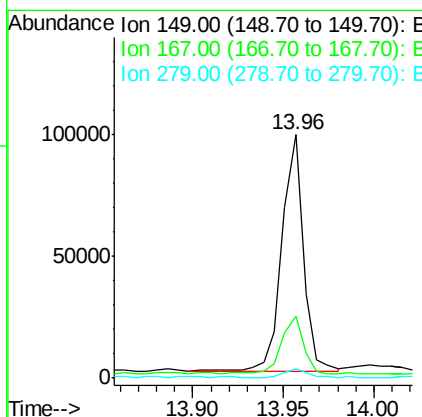
Manual Integrations
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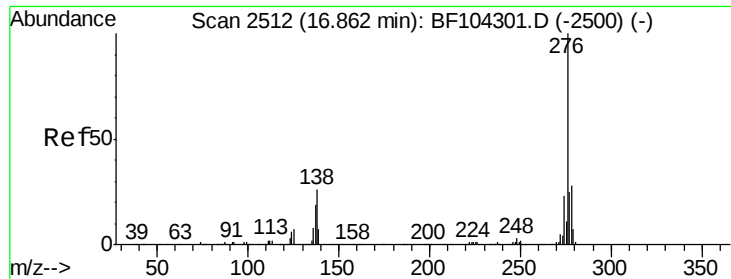
Sohil
4/18/2018 3:01:08 PM



#83
Bis(2-ethylhexyl)phthalate
Concen: 6.096 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF104577.D
Acq: 17 Apr 2018 22:22

Tgt Ion:149	Resp:	79463
Ion Ratio	Lower	Upper
149 100		
167 25.6	21.3	31.9
279 3.8	3.0	4.4





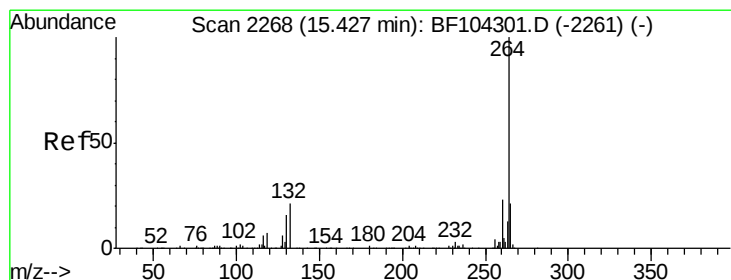
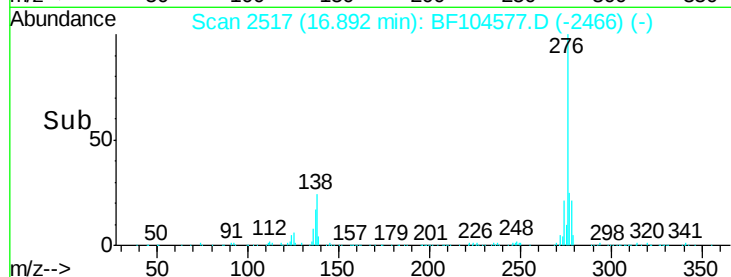
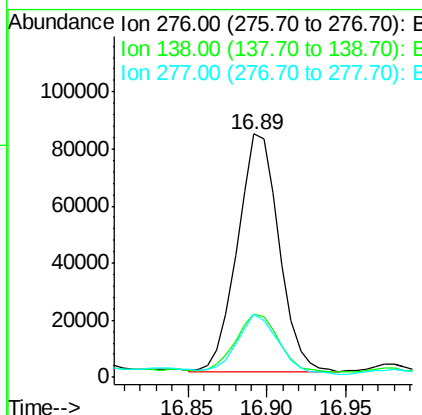
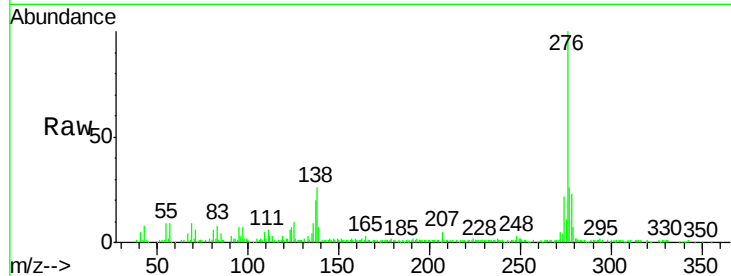
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.975 ng
 RT: 16.89 min Scan# 2517
 Delta R.T. 0.00 min
 Lab File: BF104577.D
 Acq: 17 Apr 2018 22:22

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.8	25.0	37.6
277	25.6	20.1	30.1

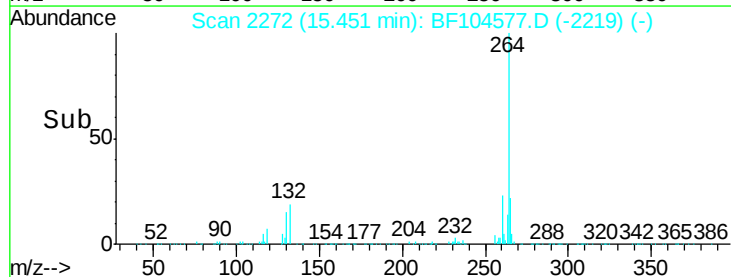
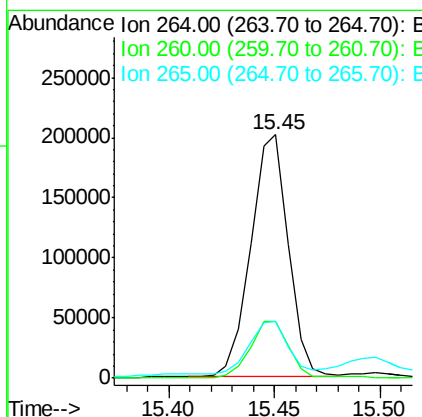
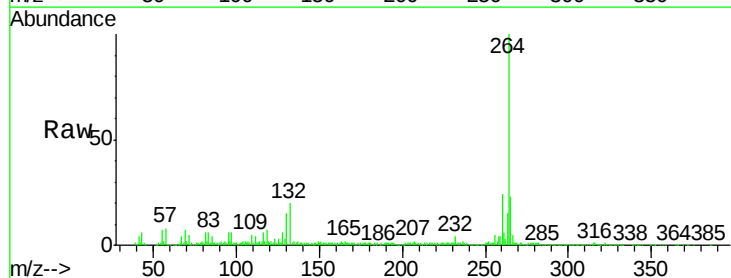
Manual Integrations
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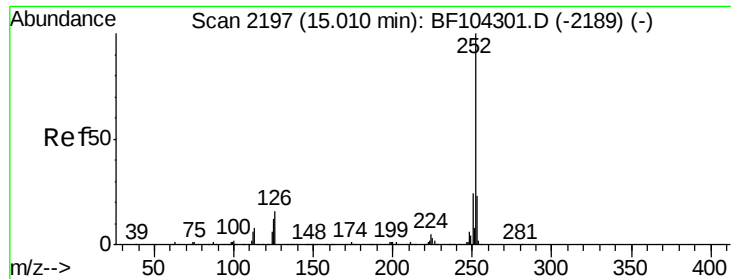
Sohil
 4/18/2018 3:01:08 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: BF104577.D
 Acq: 17 Apr 2018 22:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	23.1	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 27.217 ng m

RT: 15.03 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BF104577.D

Acq: 17 Apr 2018 22:22

Instrument :

BNA_F

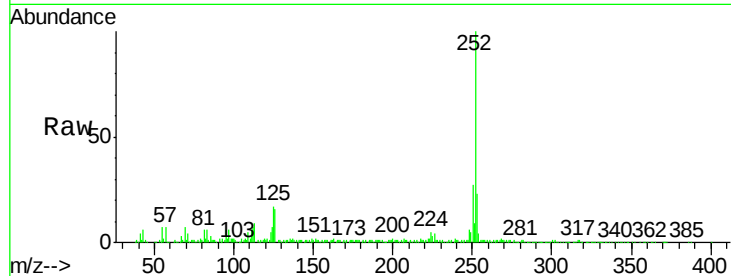
ClientSampleId :

20180245-AMEND-COMP-B

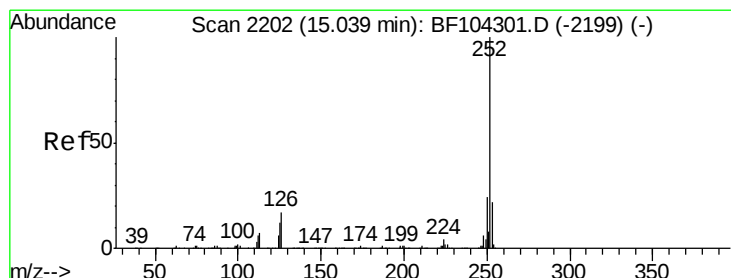
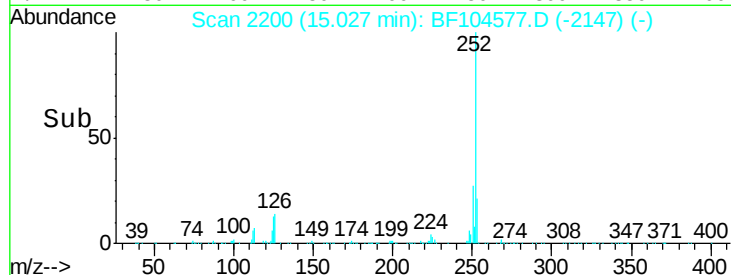
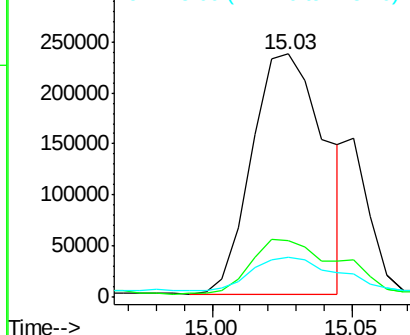
Tot Ion:	252	Resp:	428182
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.0	25.6
125	16.5	9.0	13.6

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 6.246 ng m

RT: 15.05 min Scan# 2204

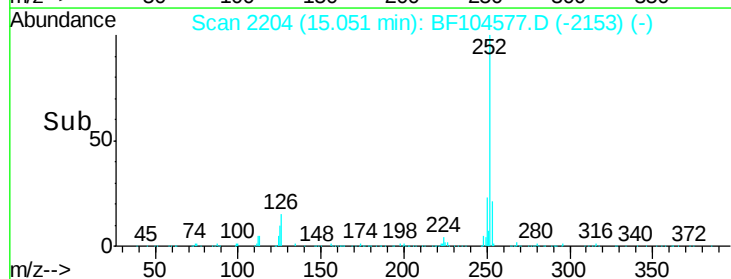
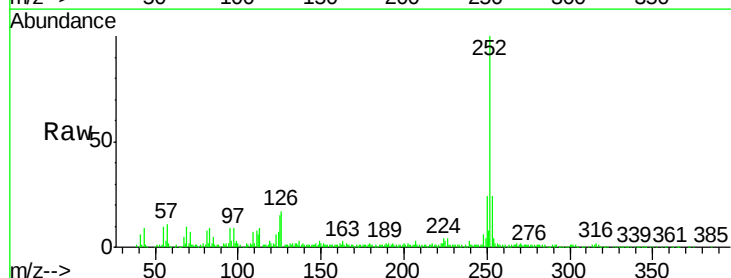
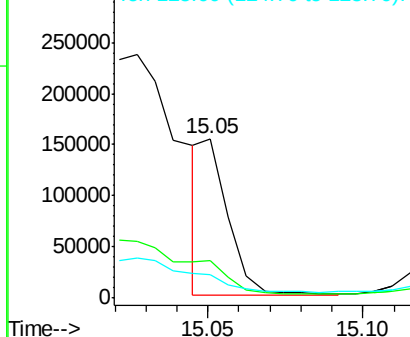
Delta R.T. 0.00 min

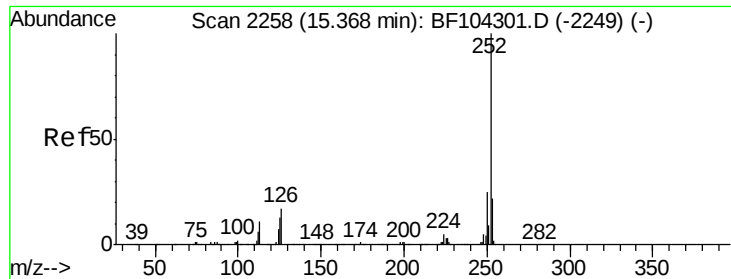
Lab File: BF104577.D

Acq: 17 Apr 2018 22:22

Tgt Ion:	252	Resp:	92767
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.9	26.9
125	14.7	10.2	15.2

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





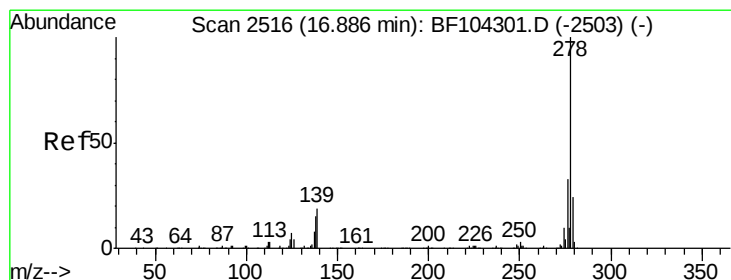
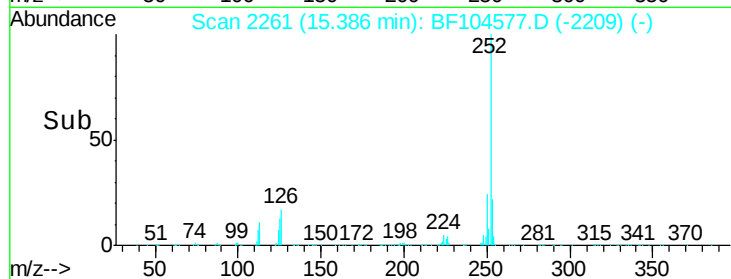
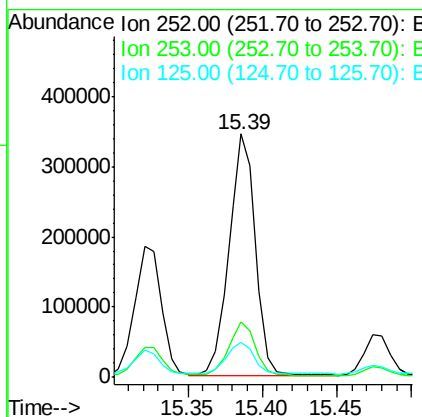
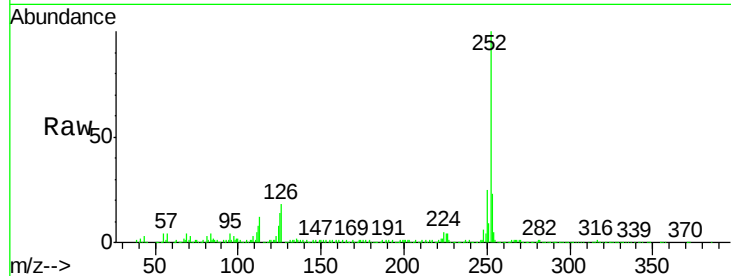
#89
Benzo(a)pyrene
Concen: 29.986 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.01 min
Lab File: BF104577.D
Acq: 17 Apr 2018 22:22

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	14.4	9.8	14.6

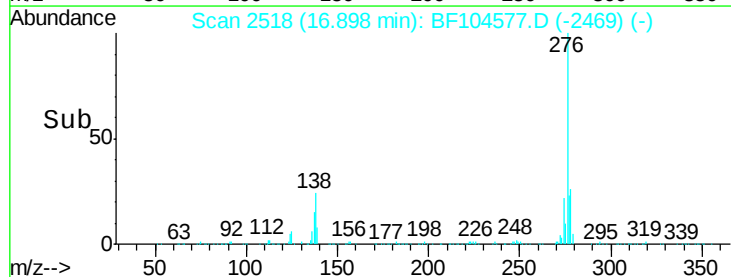
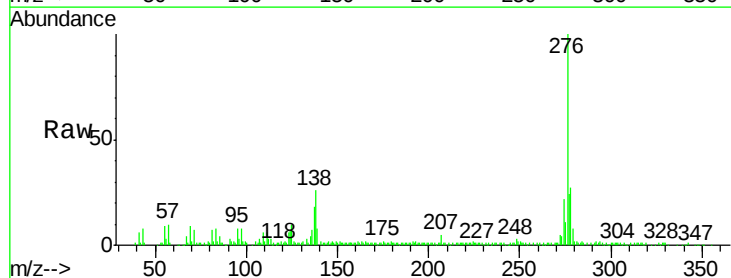
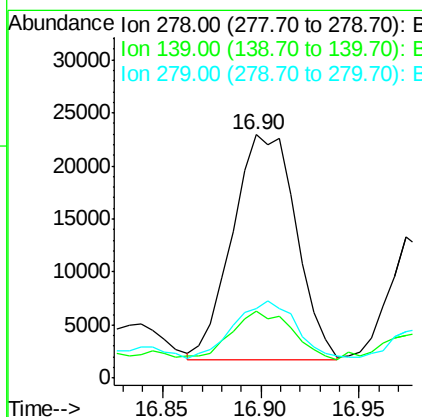
Manual Integrations
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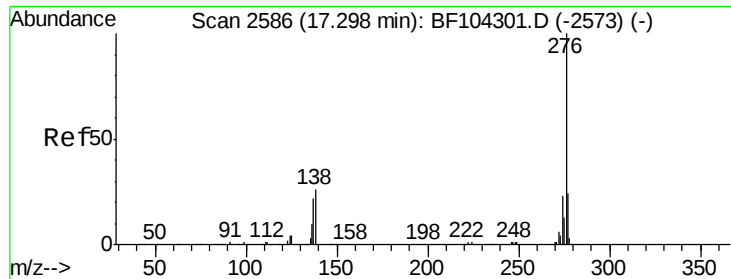
Sohil
4/18/2018 3:01:08 PM



#90
Dibenzo(a,h)anthracene
Concen: 4.144 ng m
RT: 16.90 min Scan# 2518
Delta R.T. -0.01 min
Lab File: BF104577.D
Acq: 17 Apr 2018 22:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.7	15.9	23.9#
279	28.4	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 13.853 ng

RT: 17.34 min Scan# 2593

Delta R.T. 0.01 min

Lab File: BF104577.D

Acq: 17 Apr 2018 22:22

Instrument :

BNA_F

ClientSampleId :

20180245-AMEND-COMP-B

Tot Ion:	276	Resp:	155167
Ion Ratio	Lower	Upper	
276	100		
277	25.7	17.9	26.9
138	25.8	21.8	32.8

Manual Integrations
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Sohil
4/18/2018 3:01:08 PM

