

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
 Data File : BF103005.D
 Acq On : 14 Feb 2018 23:18
 Operator : SJ/JU
 Sample : J1537-02RE
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-COMP

Manual Integrations
 APPROVED

Sohil
 2/15/2018 11:06:44 AM

Quant Time: Feb 15 02:22:10 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 00:38:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	164816	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	682716	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	273359	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	399823	20.00	ng	0.00
75) Chrysene-d12	14.05	240	280758	20.00	ng	0.01
86) Perylene-d12	15.53	264	232181	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1130476	104.17	ng	0.01
7) Phenol-d6	6.51	99	1342097	102.71	ng	0.01
23) Nitrobenzene-d5	7.44	82	821486	83.47	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	211505	96.13	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1248793	75.80	ng	0.00
78) Terphenyl-d14	12.99	244	871780	73.52	ng	0.00
Target Compounds						
10) Phenol	6.52	94	35679	2.548	ng	94
48) Acenaphthylene	9.77	152	181659	6.453	ng	99
49) Dimethylphthalate	9.62	163	82983	3.893	ng	100
51) Acenaphthene	9.95	154	54392	3.231	ng	95
54) Dibenzofuran	10.12	168	60686	2.558	ng	# 94
57) Fluorene	10.46	166	70826	4.103	ng	98
70) Phenanthrene	11.43	178	739473	33.209	ng	99
71) Anthracene	11.48	178	253606	11.198	ng	99
74) Fluoranthene	12.63	202	1345682	60.065	ng	98
77) Pyrene	12.86	202	1281979	58.230	ng	99
80) Benzo(a)anthracene	14.04	228	752027m	42.591	ng	
82) Chrysene	14.07	228	617389	34.686	ng	99
85) Indeno(1,2,3-cd)pyrene	17.03	276	271856	18.416	ng	96
87) Benzo(b)fluoranthene	15.10	252	711222m	47.247	ng	
88) Benzo(k)fluoranthene	15.13	252	267760m	18.616	ng	
89) Benzo(a)pyrene	15.47	252	484569	35.762	ng	96
90) Dibenzo(a,h)anthracene	17.04	278	68669	6.244	ng	# 88
91) Benzo(g,h,i)perylene	17.50	276	249260	23.156	ng	99

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

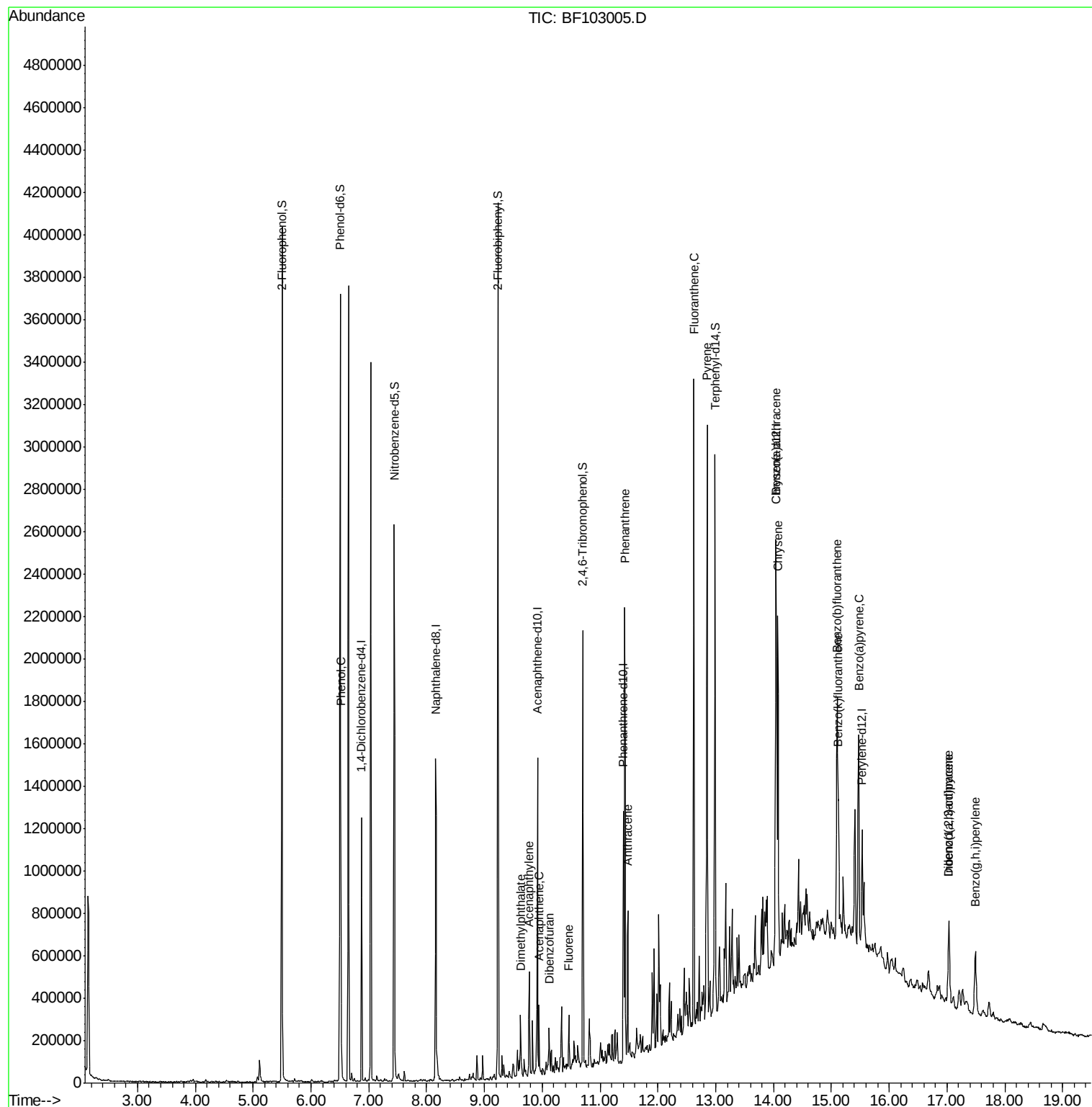
Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
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ALS Vial : 28 Sample Multiplier: 1

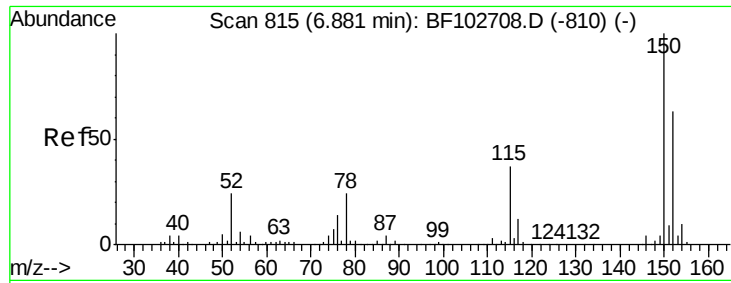
Instrument :
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#1

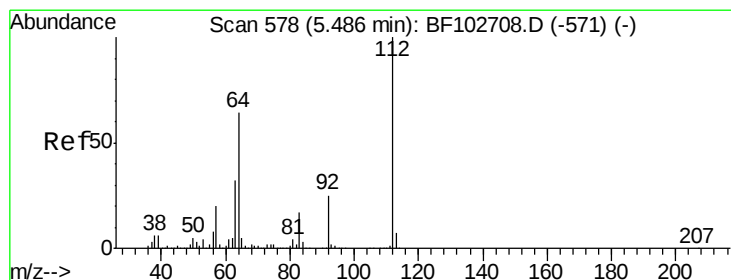
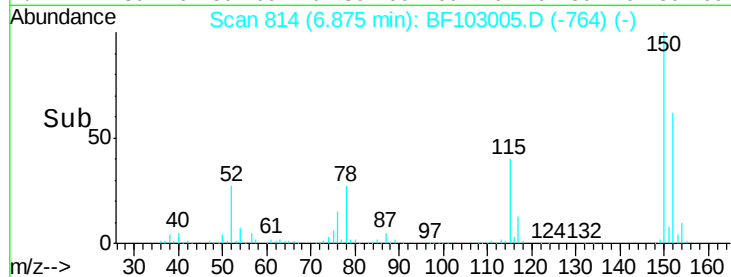
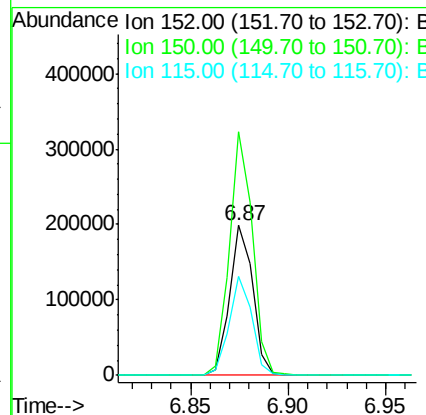
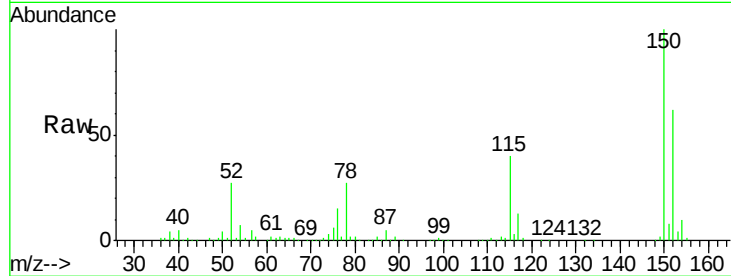
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103005.D
Acq: 14 Feb 2018 23:18

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.5	124.6	186.8
115	65.7	50.1	75.1

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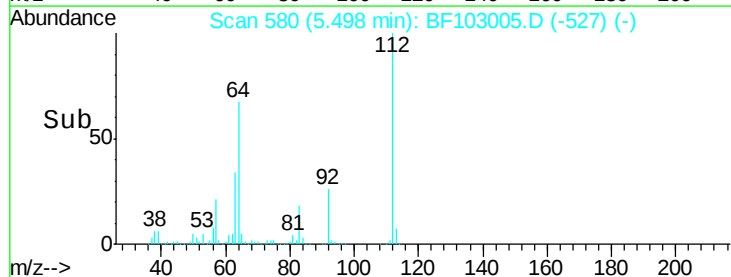
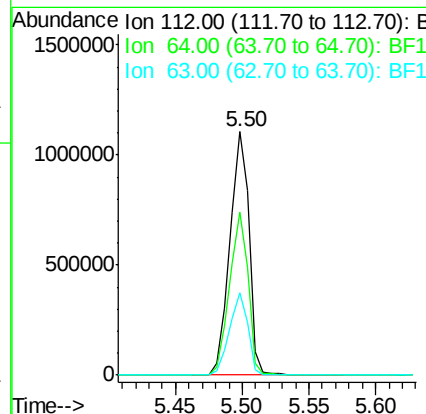
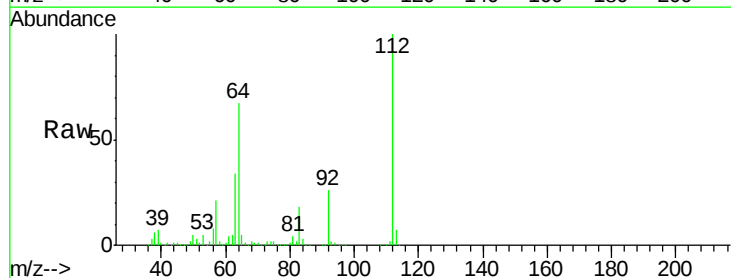
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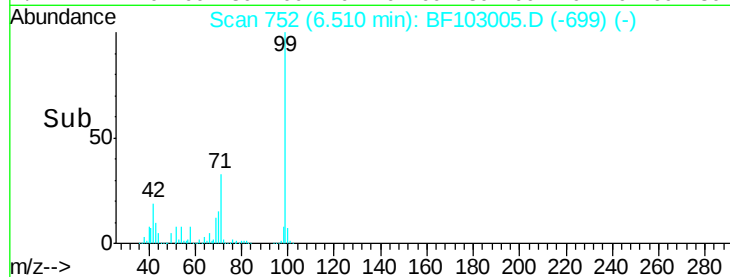
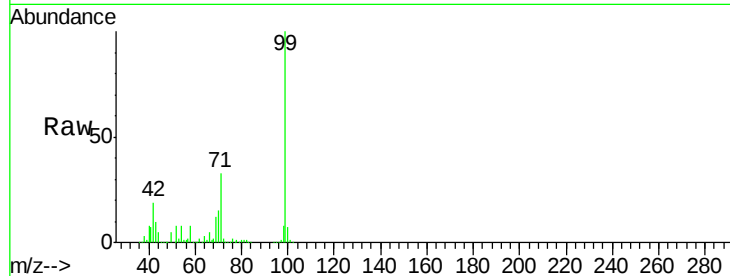


#5

2-Fluorophenol
Concen: 104.166 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103005.D
Acq: 14 Feb 2018 23:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	47.9	71.9
63	33.9	23.7	35.5





#7

Phenol-d6

Concen: 102.706 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF103005.D

Acq: 14 Feb 2018 23:18

Tot Ion:	99	Resp:	1342097
Ion	Ratio	Lower	Upper
99	100		
42	19.5	14.5	21.7
71	33.4	25.4	38.0

Instrument :

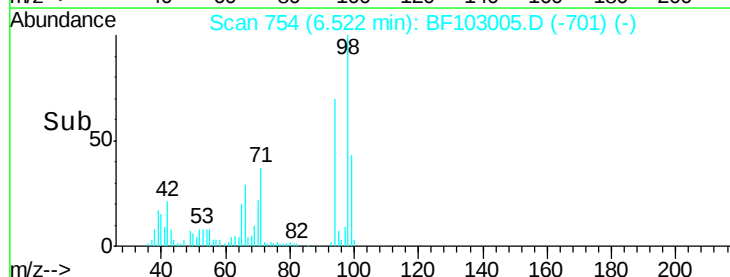
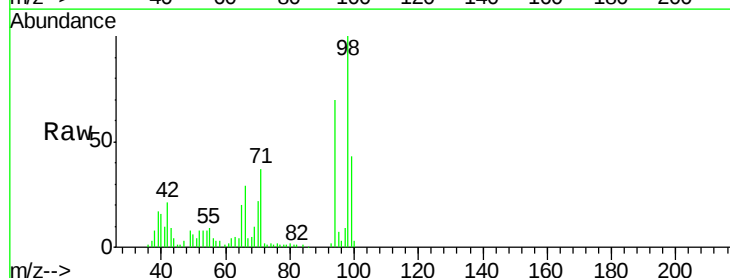
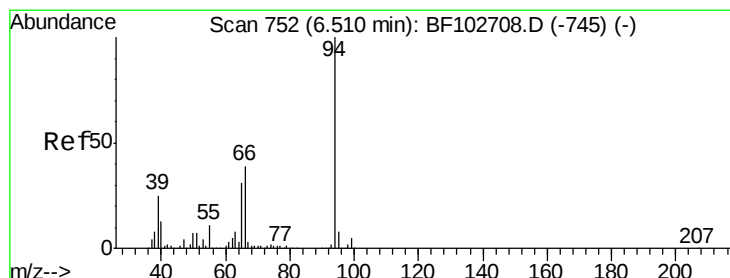
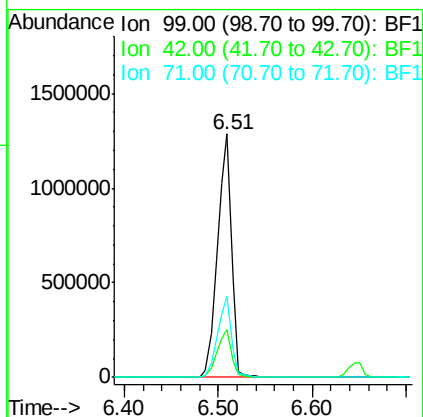
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ClientSampleId :

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#10

Phenol

Concen: 2.548 ng

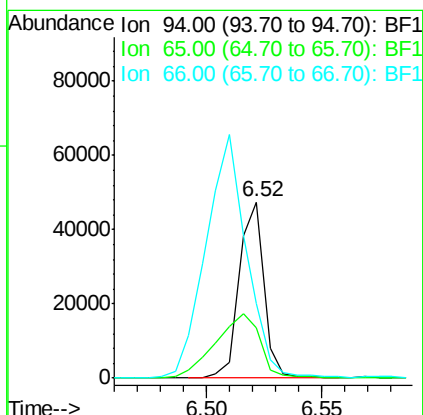
RT: 6.52 min Scan# 754

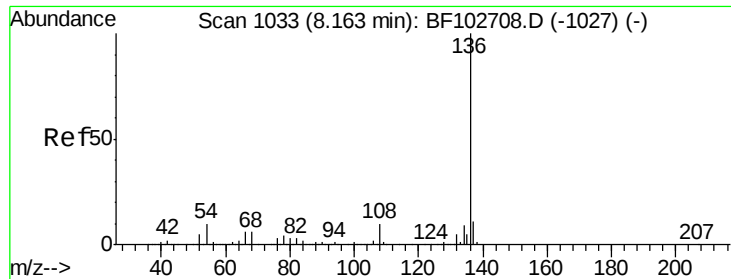
Delta R.T. 0.01 min

Lab File: BF103005.D

Acq: 14 Feb 2018 23:18

Tgt Ion:	94	Resp:	35679
Ion	Ratio	Lower	Upper
94	100		
65	28.4	7.9	47.9
66	42.1	16.2	56.2





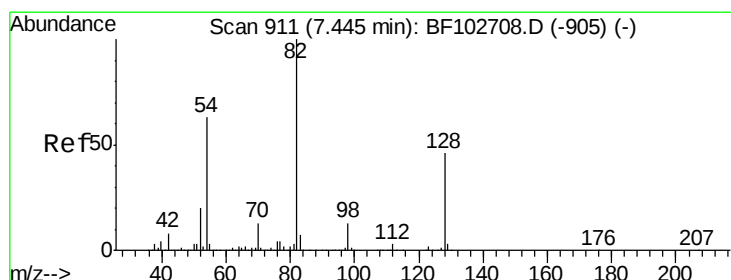
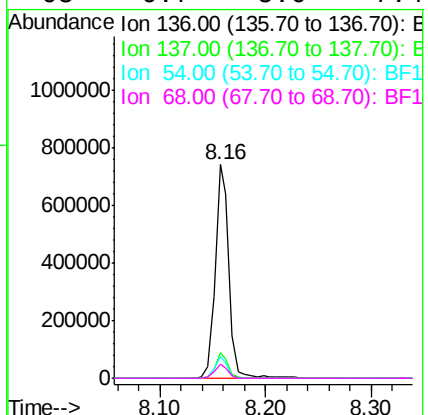
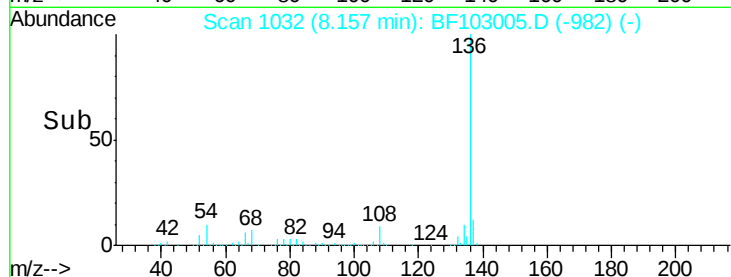
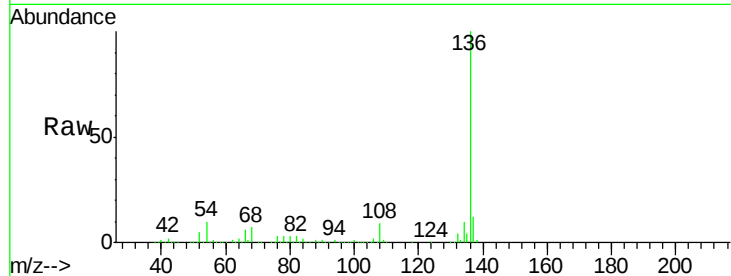
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103005.D
Acq: 14 Feb 2018 23:18

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		682716		
137	11.8		8.9	13.3	
54	10.5		6.6	9.8	
68	6.7		5.0	7.4	

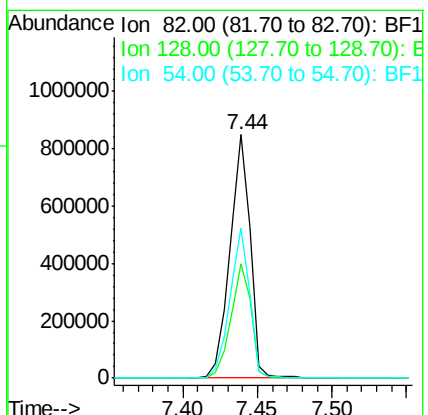
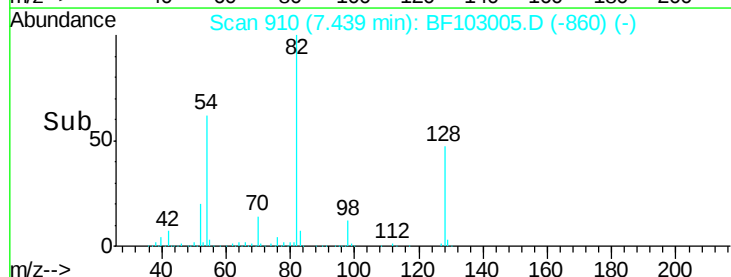
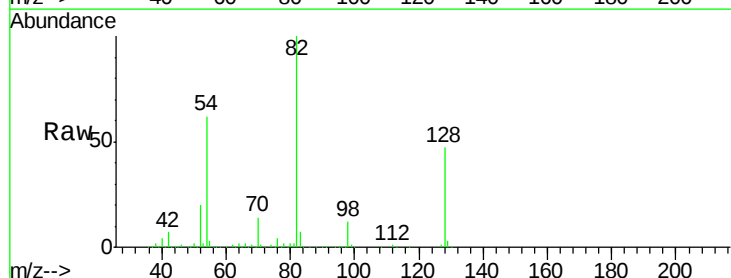
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#23
Nitrobenzene-d5
Concen: 83.471 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103005.D
Acq: 14 Feb 2018 23:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		821486		
128	47.0		36.1	54.1	
54	61.6		41.4	62.2	





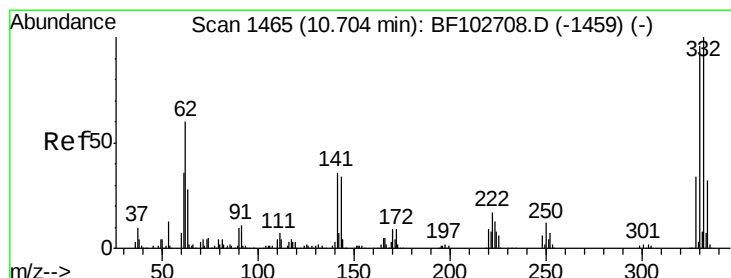
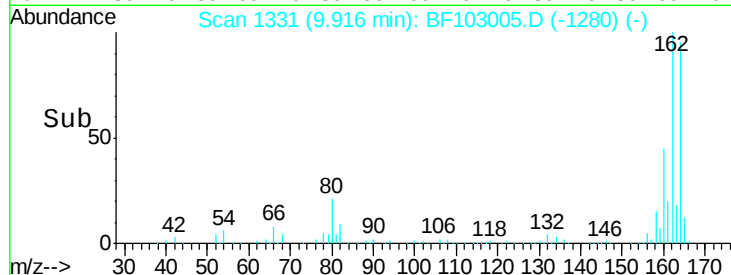
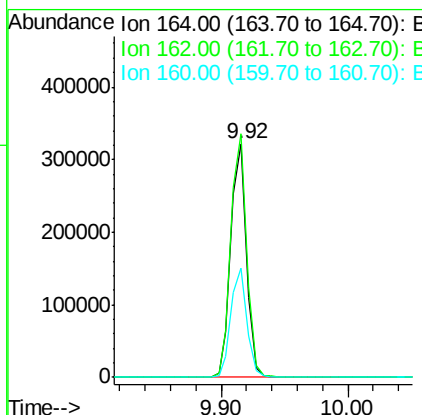
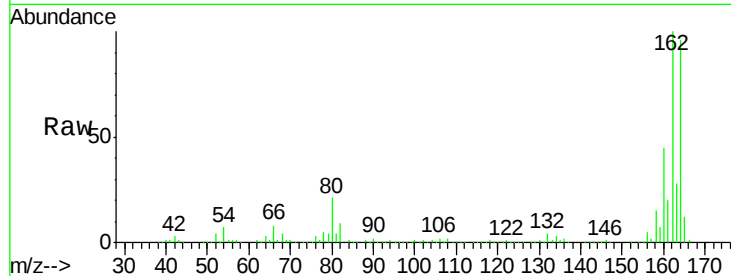
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BF103005.D
Acq: 14 Feb 2018 23:18

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.1	86.1	129.1	
160	46.6	38.3	57.5	

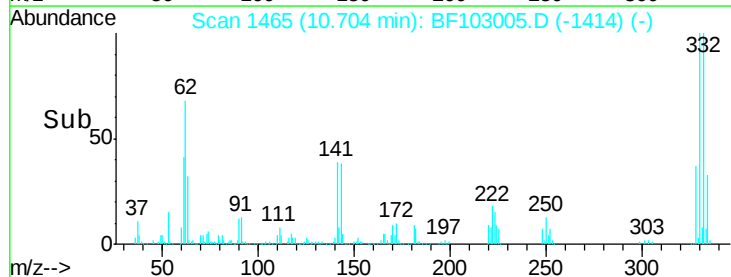
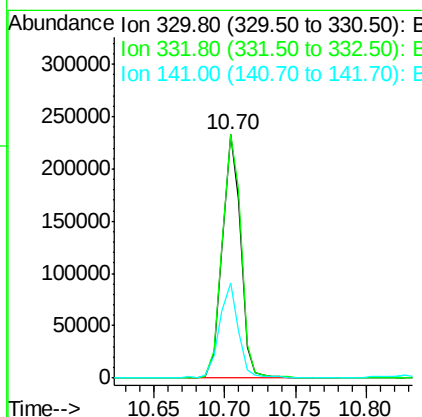
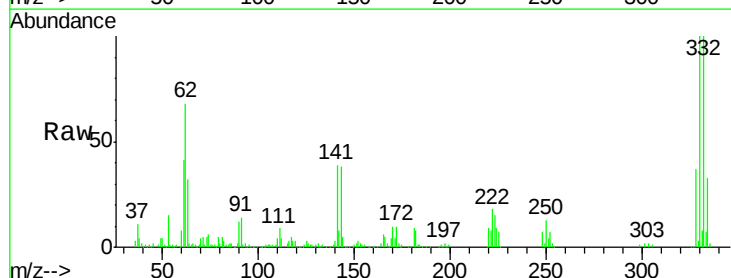
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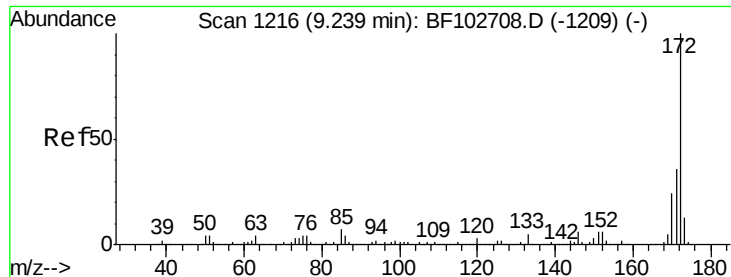
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#41
2,4,6-Tribromophenol
Concen: 96.129 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.00 min
Lab File: BF103005.D
Acq: 14 Feb 2018 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	102.8	77.0	115.6	
141	39.5	29.9	44.9	





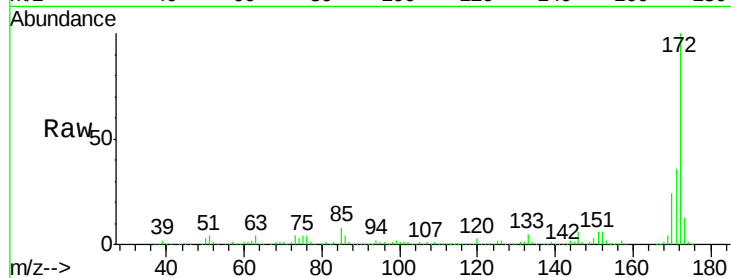
#44
2-Fluorobiphenyl
Concen: 75.805 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF103005.D
Acq: 14 Feb 2018 23:18

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

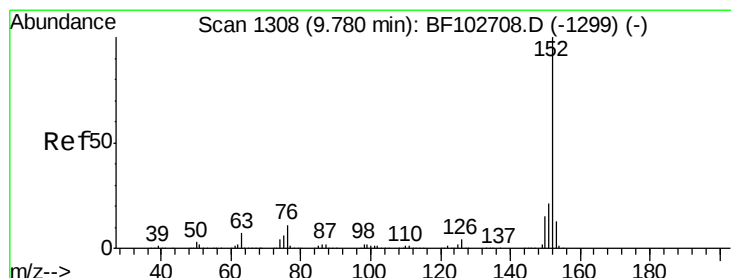
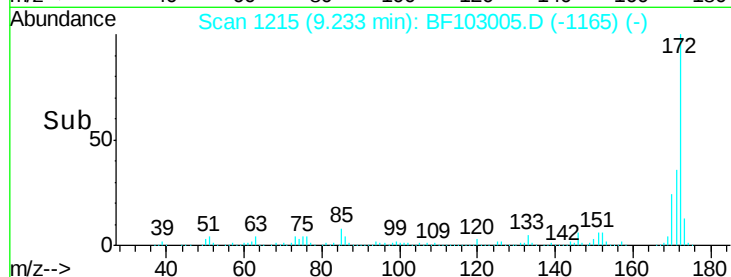
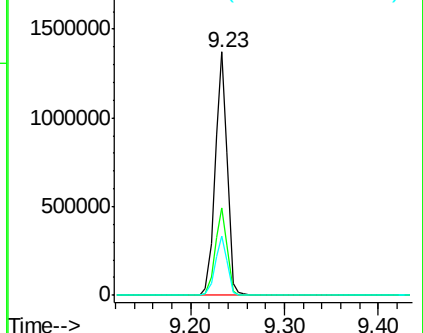
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.3	19.6	29.4

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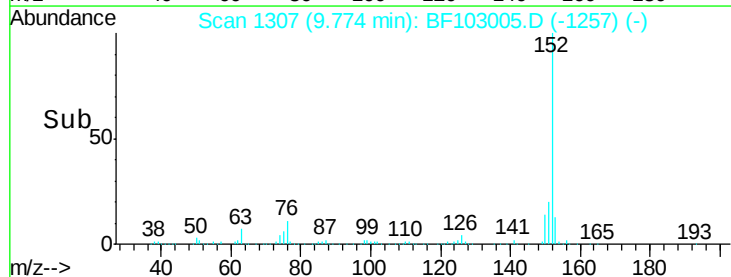
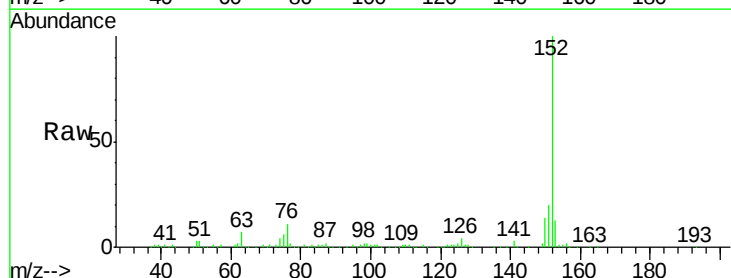
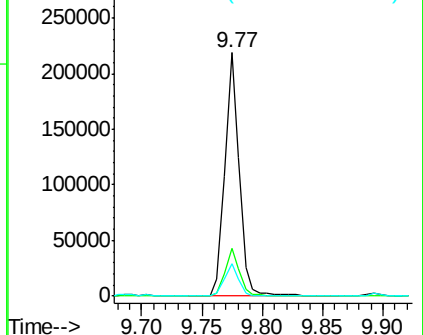
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

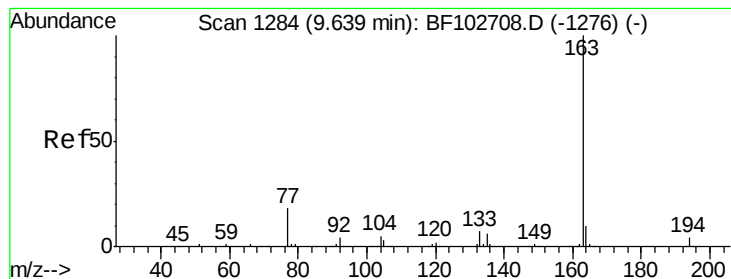


#48
Acenaphthylene
Concen: 6.453 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF103005.D
Acq: 14 Feb 2018 23:18

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.3	24.5
153	13.2	10.7	16.1

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: 3.893 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF103005.D

Acq: 14 Feb 2018 23:18

Instrument :

BNA_F

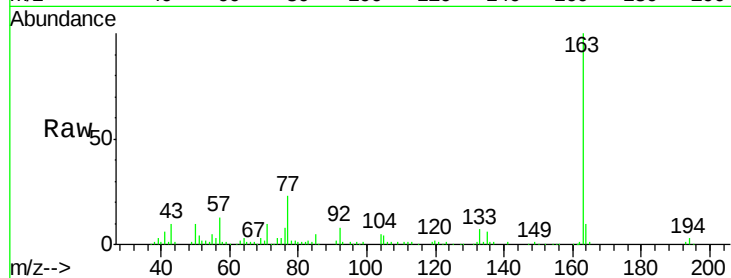
ClientSampleId :

SB-01-COMP

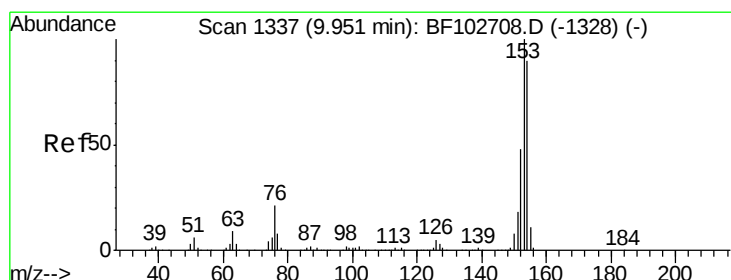
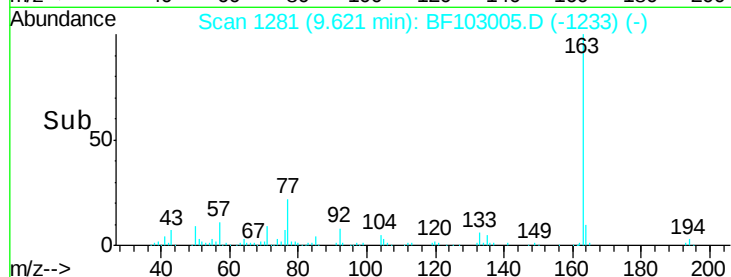
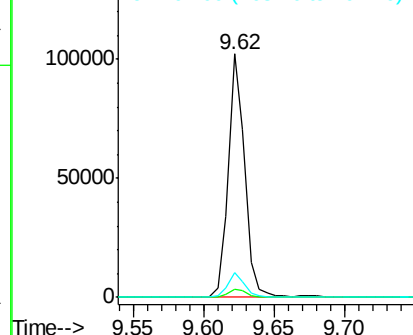
Tot Ion:	163	Resp:	82983
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.7	4.1
164	10.0	8.2	12.2

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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: 3.231 ng

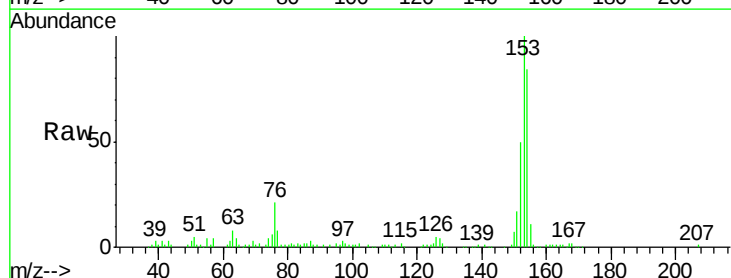
RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

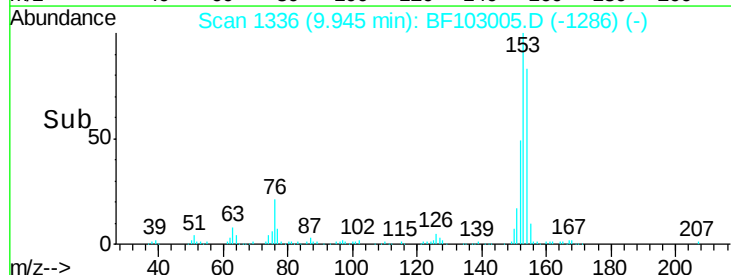
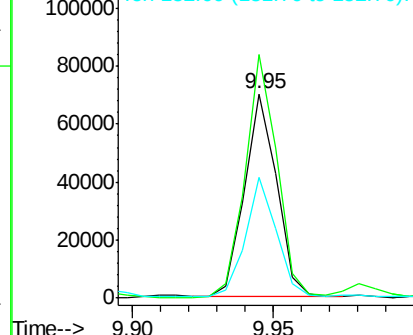
Lab File: BF103005.D

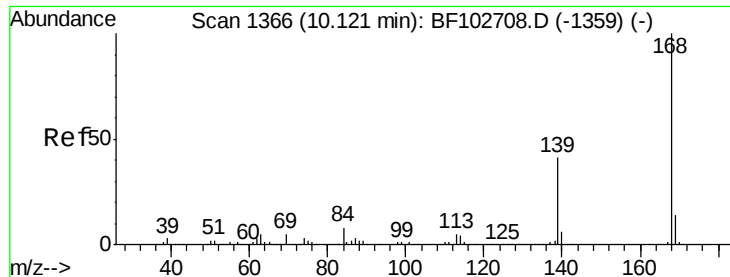
Acq: 14 Feb 2018 23:18

Tgt Ion:	154	Resp:	54392
Ion Ratio	Lower	Upper	
154	100		
153	119.2	91.2	136.8
152	59.0	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





#54

Dibenzenofuran

Concen: 2.558 ng

RT: 10.12 min Scan# 1365

Delta R.T. -0.01 min

Lab File: BF103005.D

Acq: 14 Feb 2018 23:18

Instrument :

BNA_F

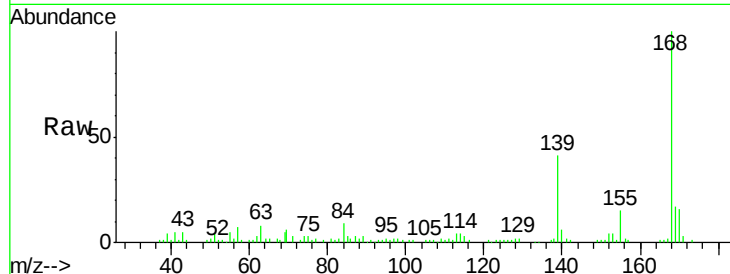
ClientSampleId :

SB-01-COMP

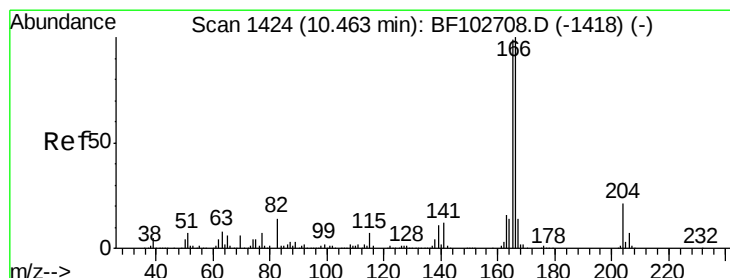
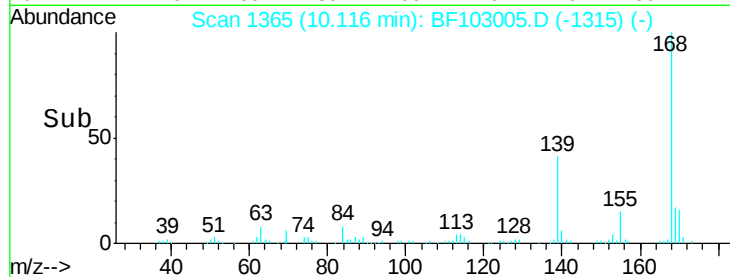
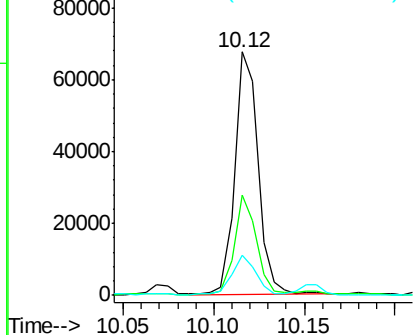
Tot Ion:	168	Resp:	60686
Ion Ratio	Lower	Upper	
168	100		
139	41.2	30.1	45.1
169	16.7	10.9	16.3

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Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 4.103 ng

RT: 10.46 min Scan# 1424

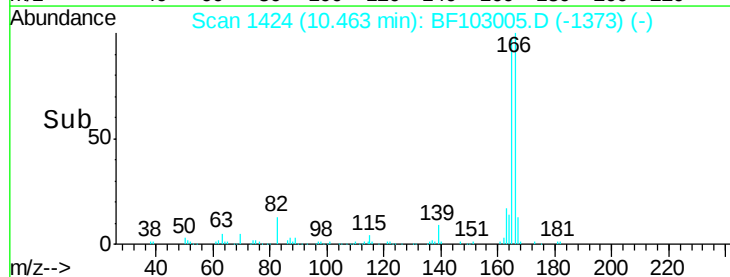
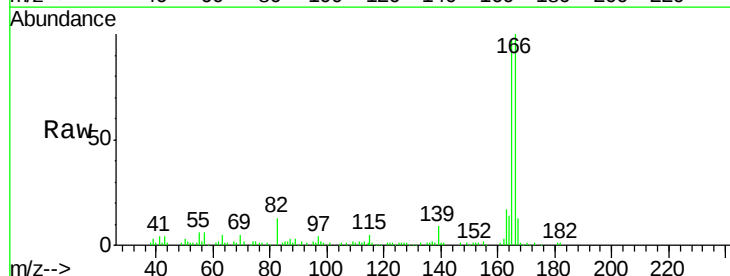
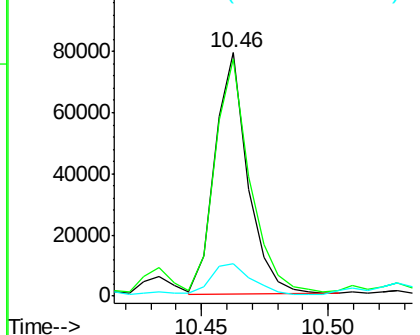
Delta R.T. -0.00 min

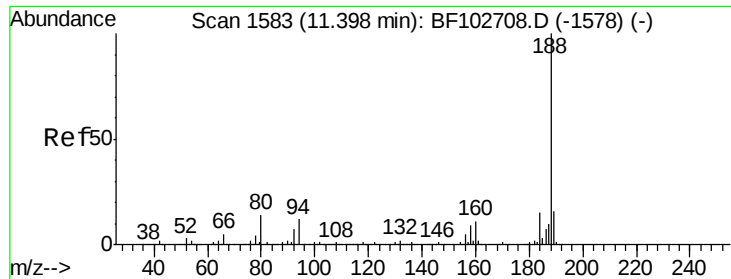
Lab File: BF103005.D

Acq: 14 Feb 2018 23:18

Tgt Ion:	166	Resp:	70826
Ion Ratio	Lower	Upper	
166	100		
165	97.4	79.8	119.8
167	13.5	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





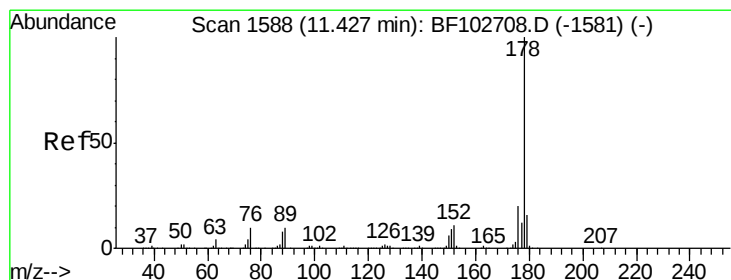
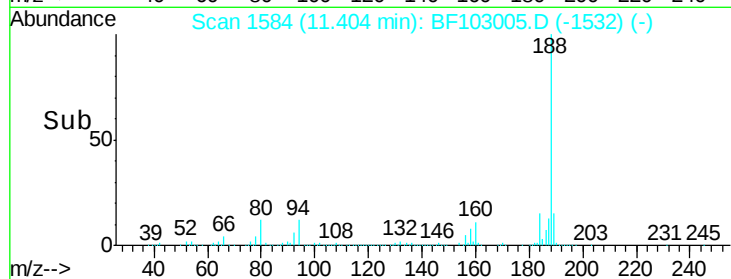
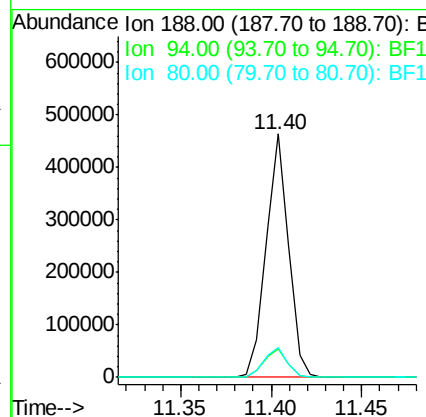
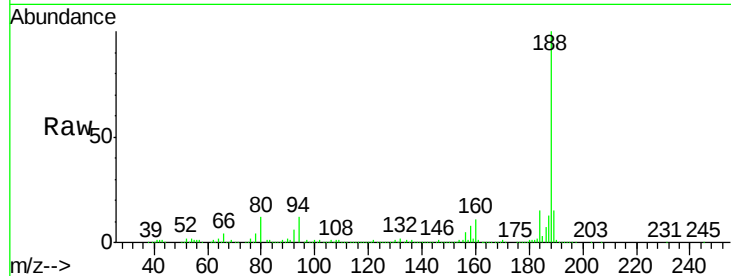
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF103005.D
Acq: 14 Feb 2018 23:18

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	399823		
94	11.6		8.5	12.7
80	12.3		9.2	13.8

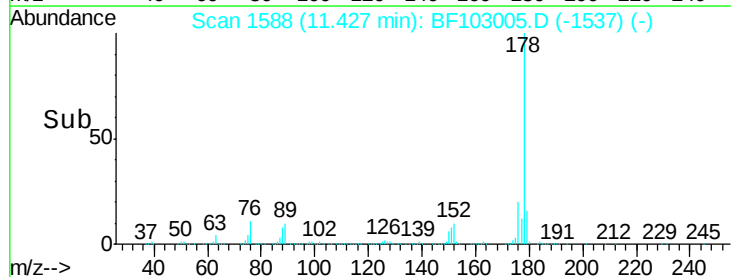
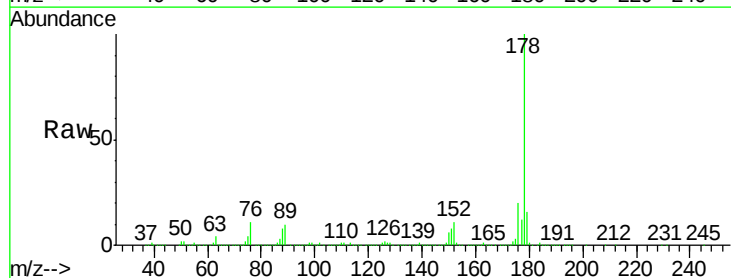
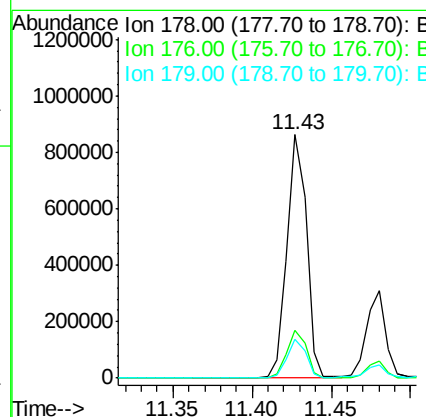
Manual Integrations
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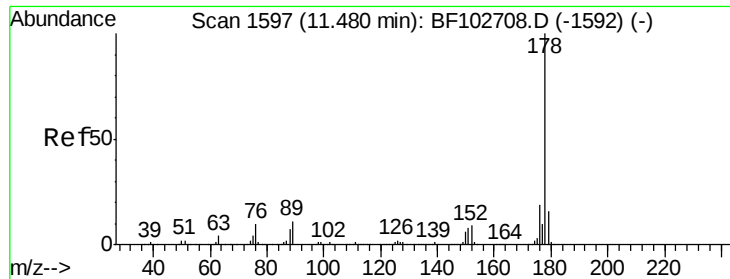
Sohil
2/15/2018 11:06:44 AM



#70
Phenanthrene
Concen: 33.209 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.00 min
Lab File: BF103005.D
Acq: 14 Feb 2018 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	739473		
176	19.6		15.8	23.8
179	15.9		13.0	19.6





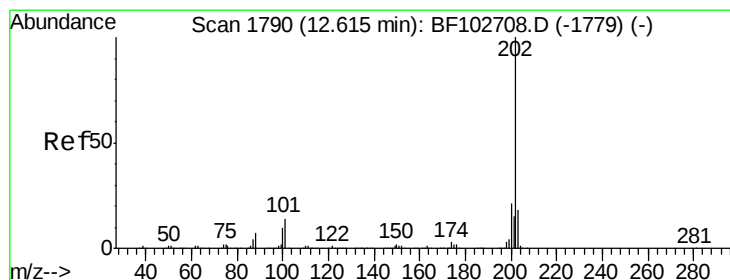
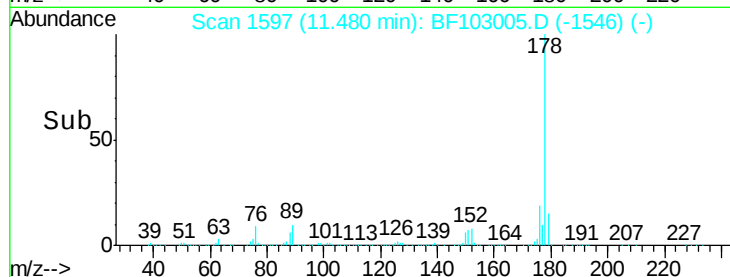
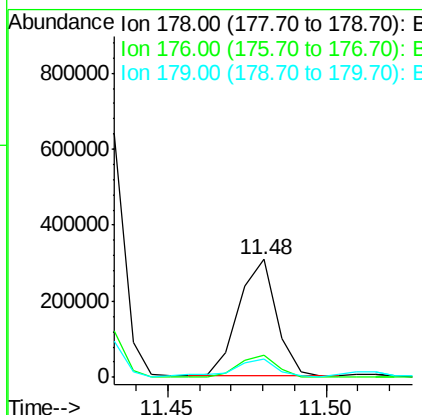
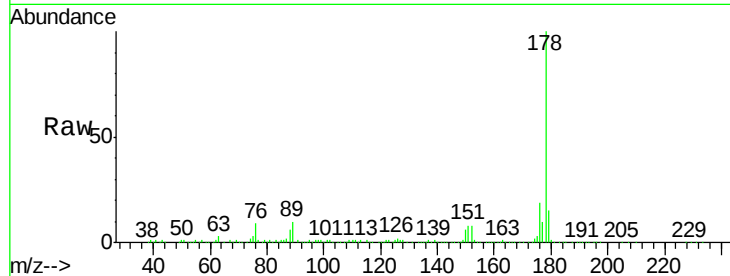
#71
 Anthracene
 Concen: 11.198 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: BF103005.D
 Acq: 14 Feb 2018 23:18

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-COMP

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	18.9	15.4	23.2	
179	15.3	12.6	19.0	

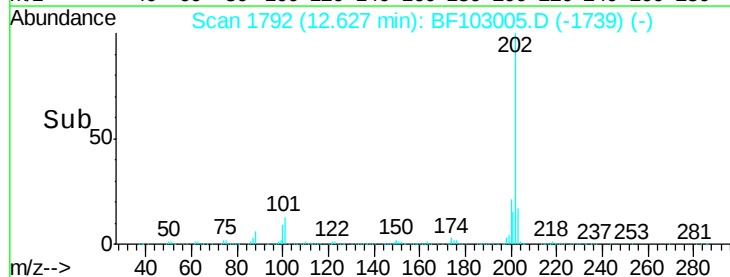
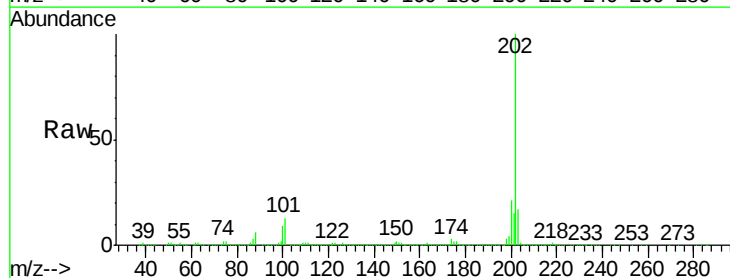
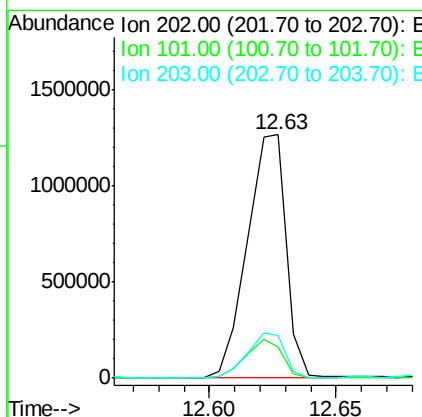
Manual Integrations
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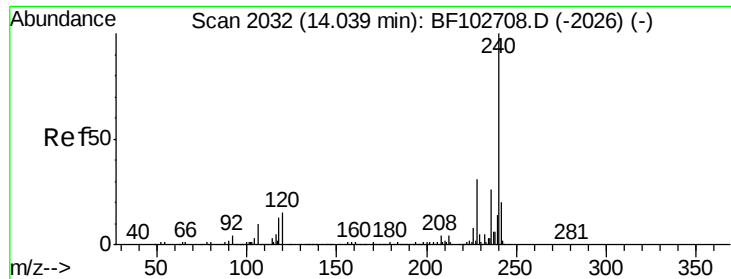
Sohil
 2/15/2018 11:06:44 AM



#74
 Fluoranthene
 Concen: 60.065 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: BF103005.D
 Acq: 14 Feb 2018 23:18

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	12.9	0.0	34.1	
203	17.3	0.0	38.1	





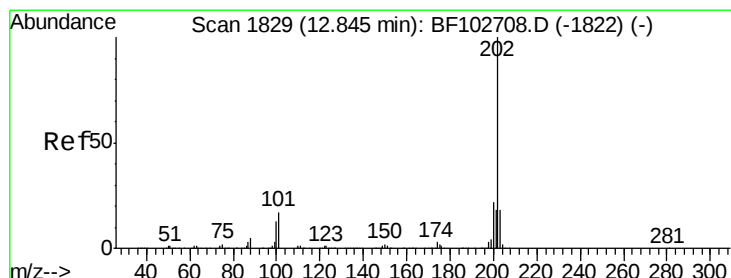
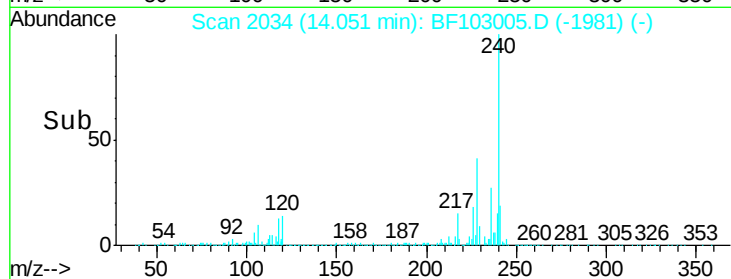
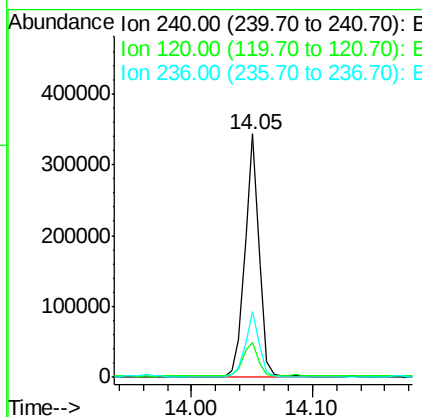
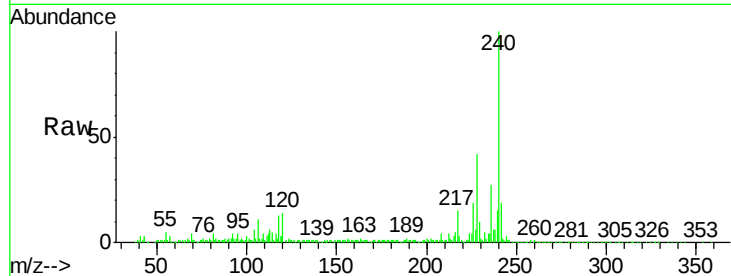
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF103005.D
Acq: 14 Feb 2018 23:18

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.4	9.5	14.3
236	27.0	20.7	31.1

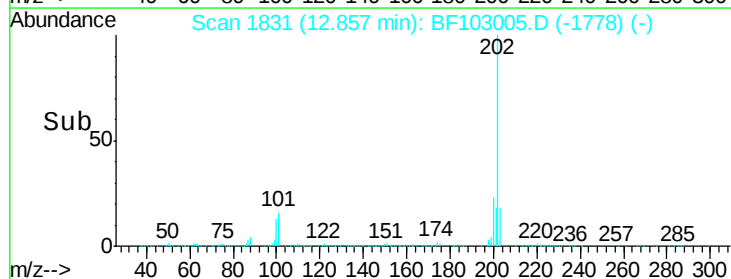
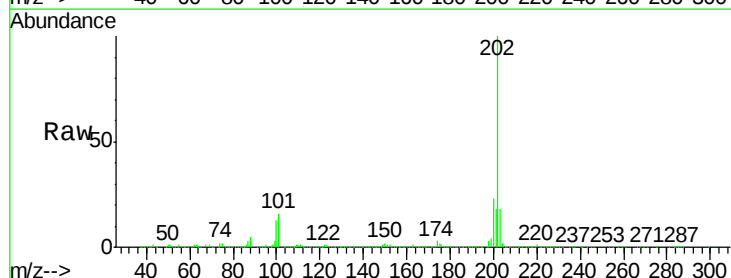
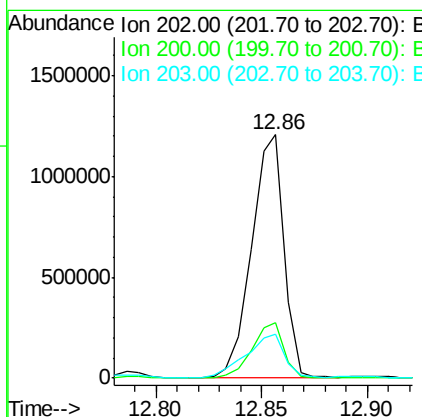
Manual Integrations
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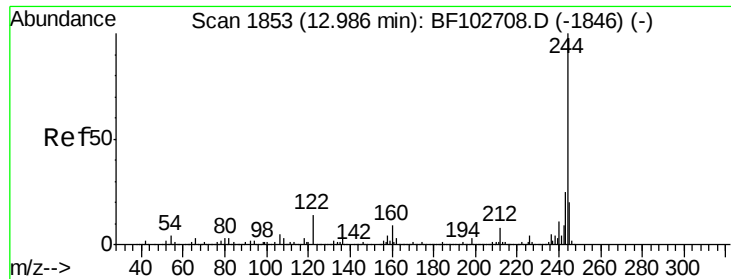
Sohil
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#77
Pyrene
Concen: 58.230 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.01 min
Lab File: BF103005.D
Acq: 14 Feb 2018 23:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.6	17.4	26.2
203	18.0	14.3	21.5





#78

Terphenyl-d14

Concen: 73.522 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BF103005.D

Acq: 14 Feb 2018 23:18

Instrument :

BNA_F

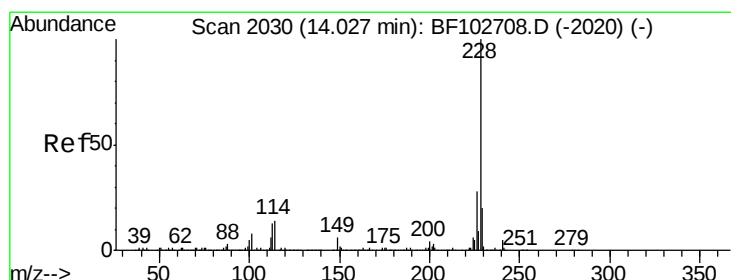
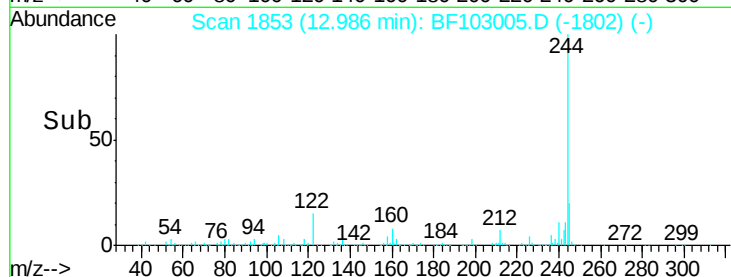
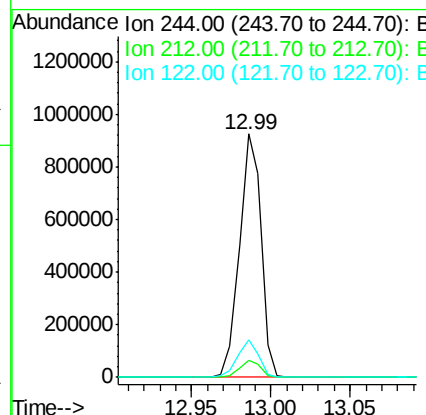
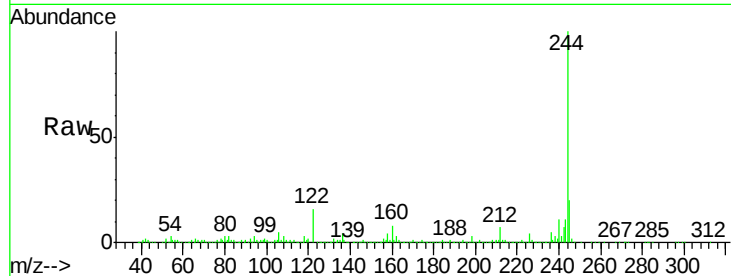
ClientSampleId :

SB-01-COMP

Tot Ion:	244	Resp:	871780
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	15.6	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 42.591 ng m

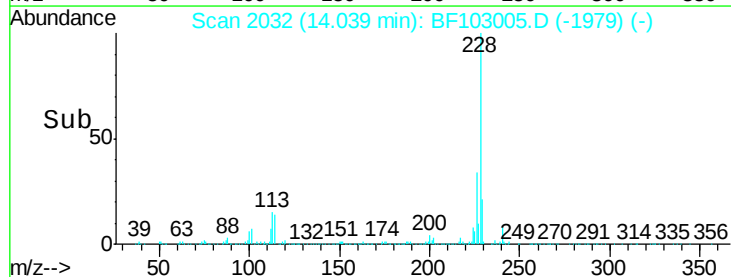
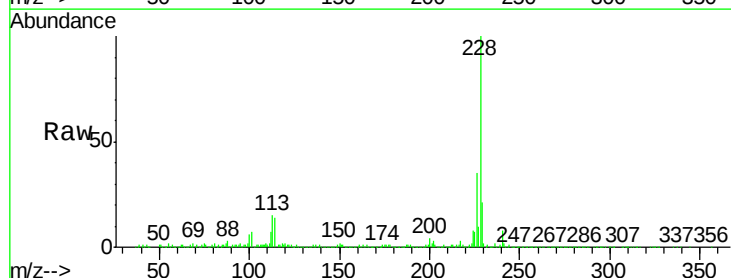
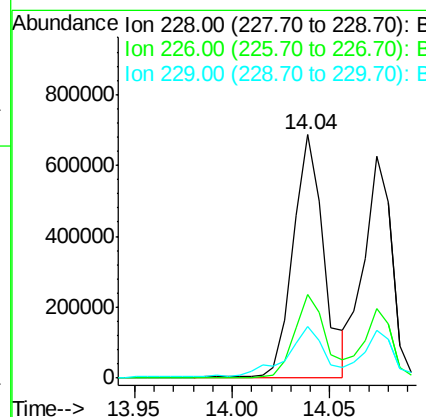
RT: 14.04 min Scan# 2032

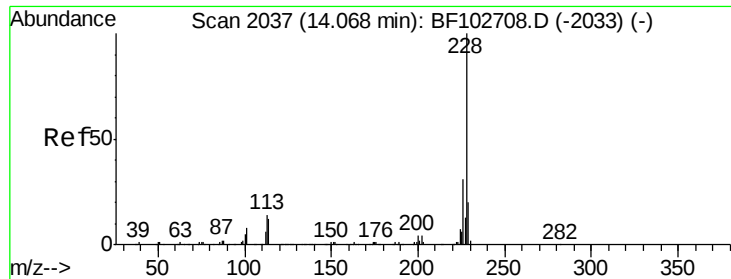
Delta R.T. 0.01 min

Lab File: BF103005.D

Acq: 14 Feb 2018 23:18

Tgt Ion:	228	Resp:	752027
Ion Ratio	Lower	Upper	
228	100		
226	34.6	22.6	33.8#
229	21.2	15.8	23.6





#82

Chrysene

Concen: 34.686 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.01 min

Lab File: BF103005.D

Acq: 14 Feb 2018 23:18

Instrument :

BNA_F

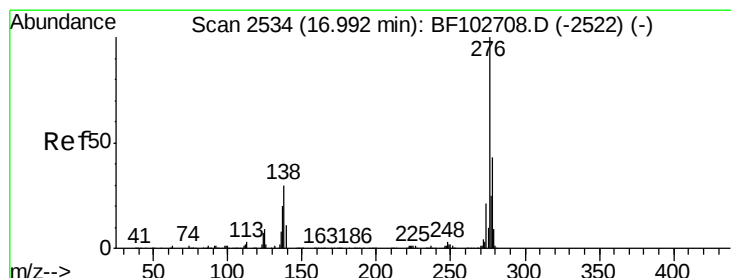
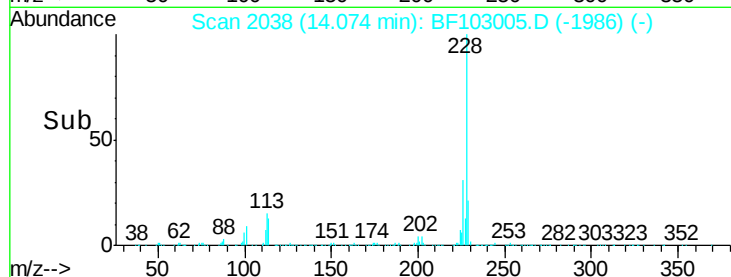
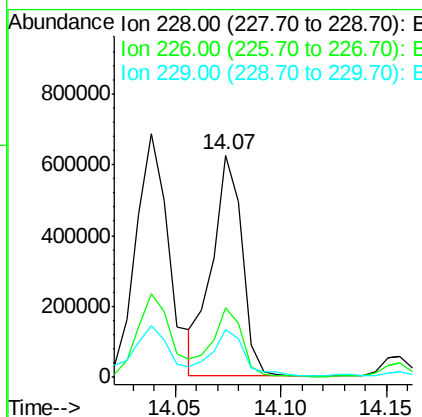
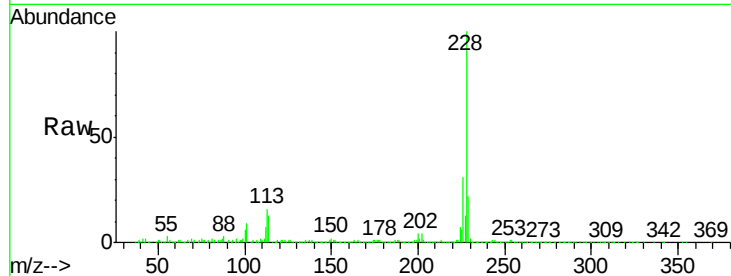
ClientSampleId :

SB-01-COMP

Tot Ion:	228	Resp:	617389
Ion Ratio	Lower	Upper	
228	100		
226	31.2	25.0	37.6
229	21.8	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 18.416 ng

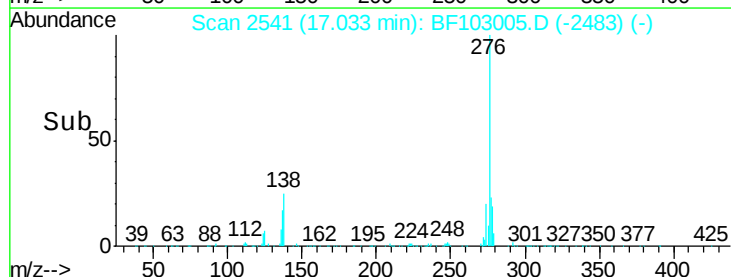
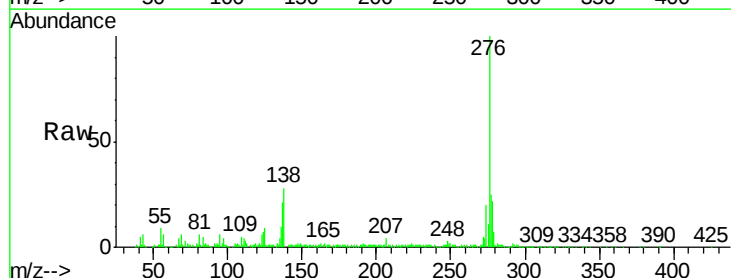
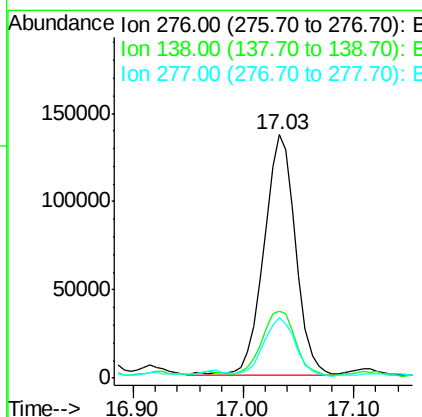
RT: 17.03 min Scan# 2541

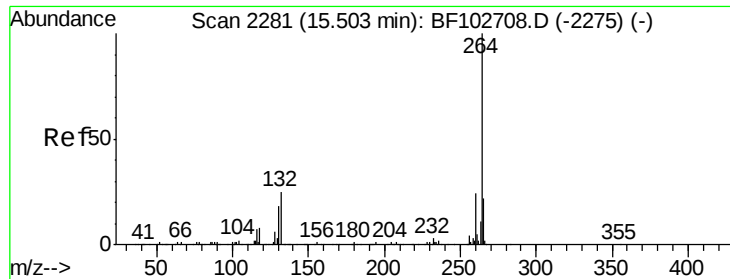
Delta R.T. 0.04 min

Lab File: BF103005.D

Acq: 14 Feb 2018 23:18

Tgt Ion:	276	Resp:	271856
Ion Ratio	Lower	Upper	
276	100		
138	28.0	25.0	37.6
277	24.2	20.1	30.1





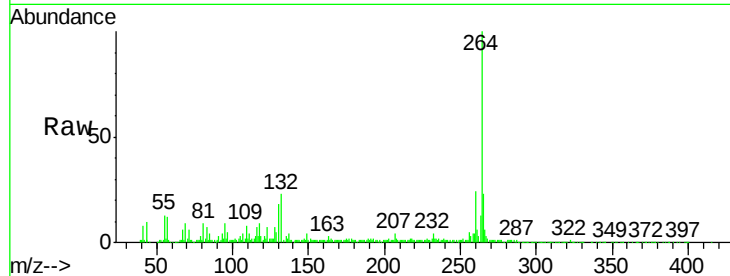
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.03 min
Lab File: BF103005.D
Acq: 14 Feb 2018 23:18

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	23.1	17.5	26.3

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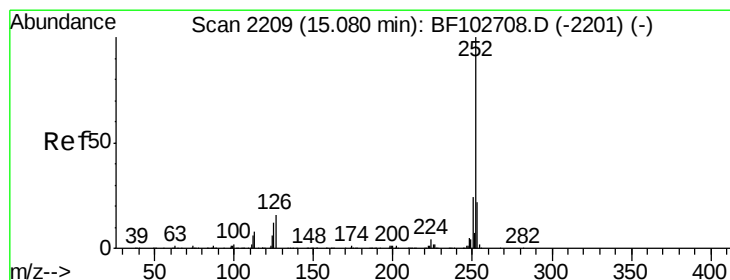
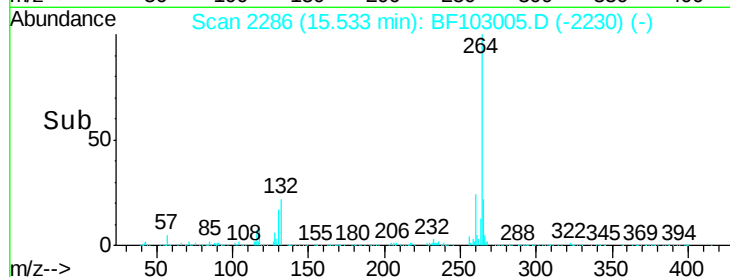
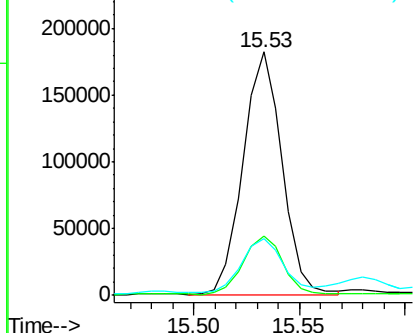


Abundance

Ion 264.00 (263.70 to 264.70): E

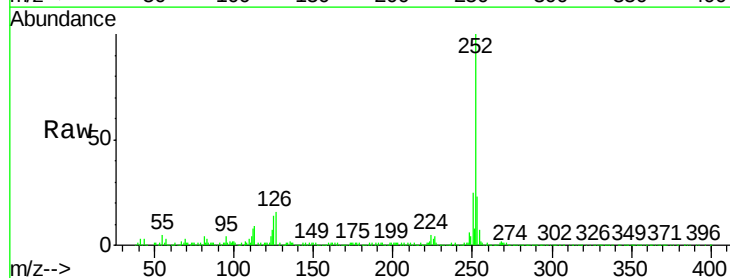
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 47.247 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.02 min
Lab File: BF103005.D
Acq: 14 Feb 2018 23:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	14.4	9.0	13.6#

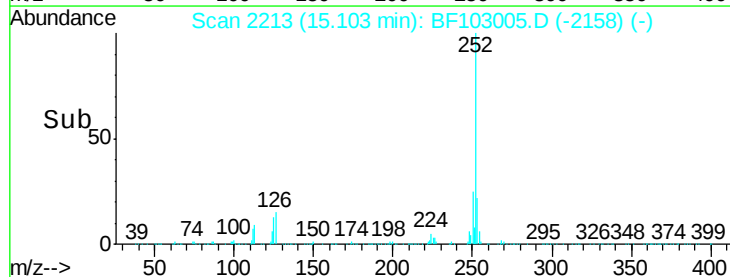
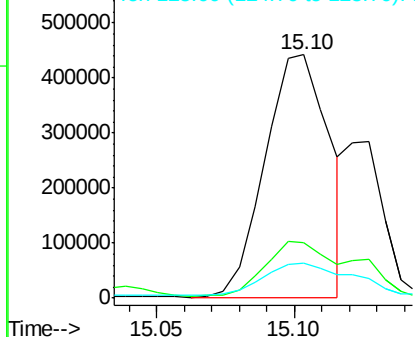


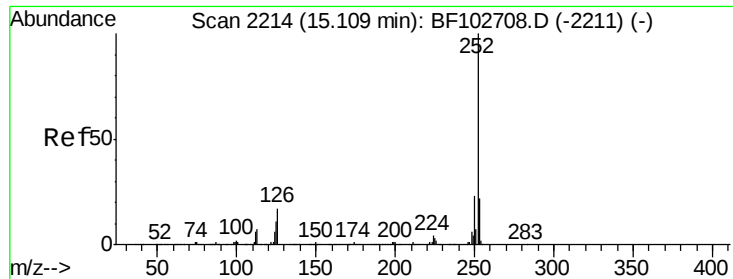
Abundance

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





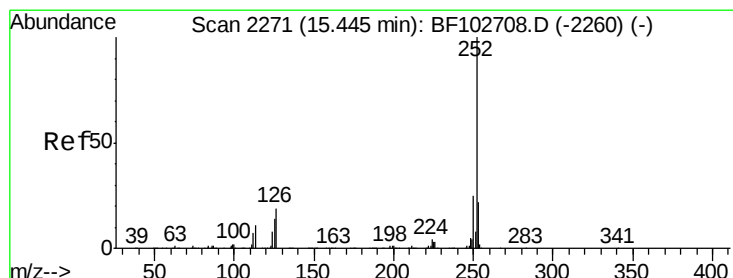
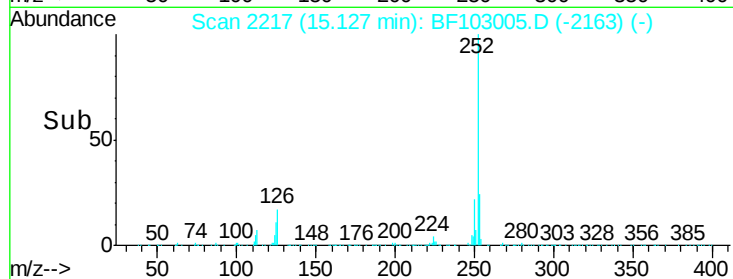
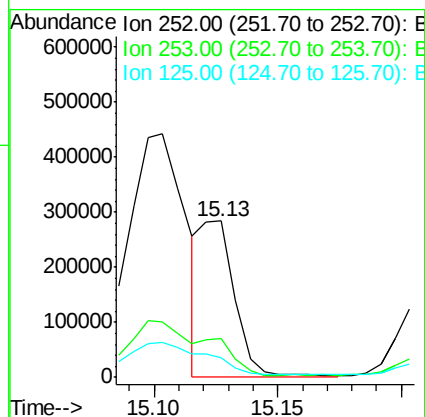
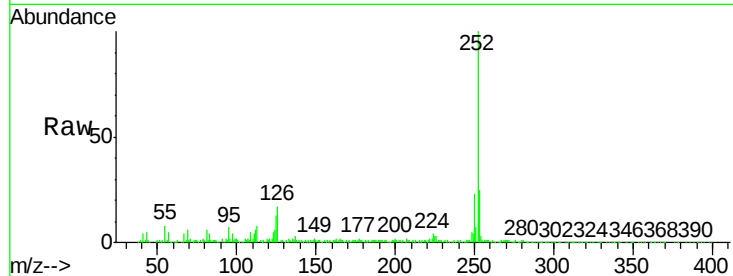
#88
Benzo(k)fluoranthene
Concen: 18.616 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.02 min
Lab File: BF103005.D
Acq: 14 Feb 2018 23:18

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	12.7	10.2	15.2

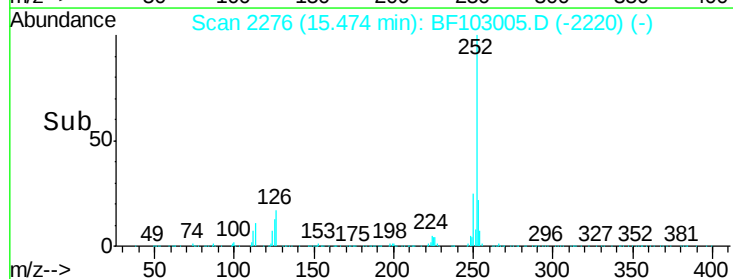
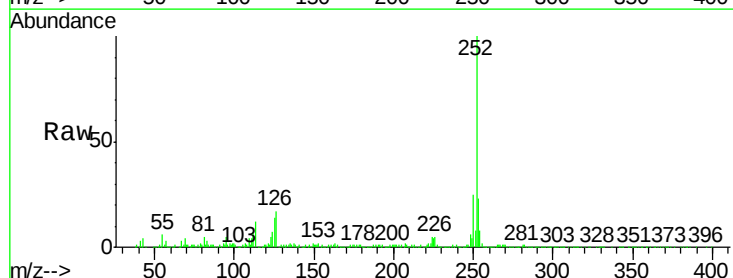
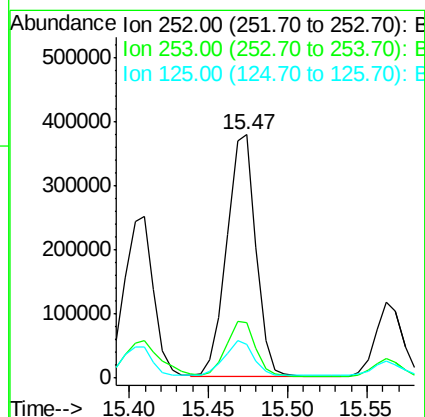
Manual Integrations
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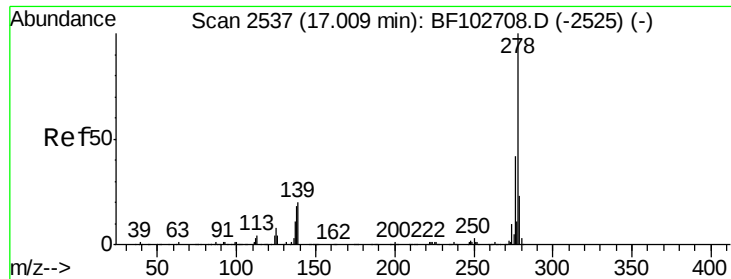
Sohil
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#89
Benzo(a)pyrene
Concen: 35.762 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.03 min
Lab File: BF103005.D
Acq: 14 Feb 2018 23:18

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





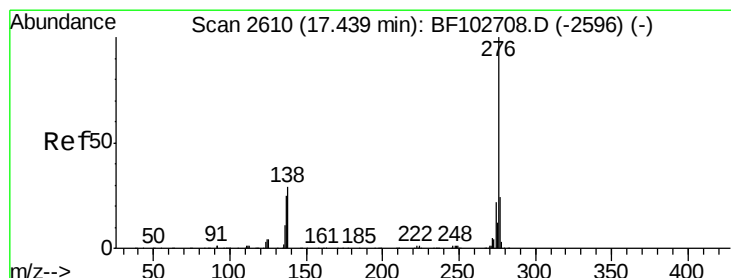
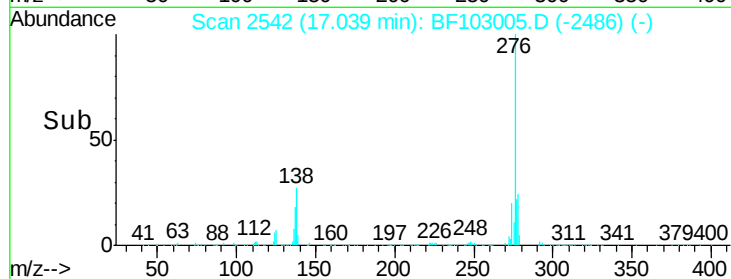
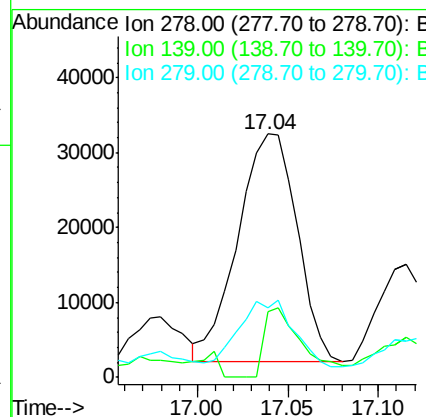
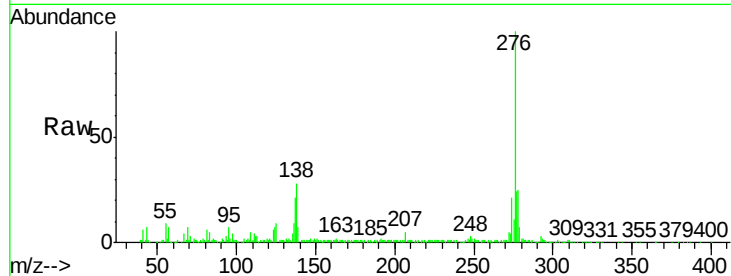
#90
Dibenzo(a,h)anthracene
Concen: 6.244 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.03 min
Lab File: BF103005.D
Acq: 14 Feb 2018 23:18

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

Tot Ion	Ratio	Lower	Upper
278	100		
139	26.9	15.9	23.9#
279	28.6	19.0	28.4#

Manual Integrations
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Sohil
2/15/2018 11:06:44 AM



#91
Benzo(g,h,i)perylene
Concen: 23.156 ng
RT: 17.50 min Scan# 2620
Delta R.T. 0.06 min
Lab File: BF103005.D
Acq: 14 Feb 2018 23:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.5	17.9	26.9
138	28.0	21.8	32.8

