

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF022018\
 Data File : BF103117.D
 Acq On : 20 Feb 2018 11:27
 Operator : SJ/JU
 Sample : J1600-05DL 40X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2 SB68 S 8DL

Manual Integrations
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Sohil
 2/21/2018 10:10:27 AM

Quant Time: Feb 20 13:59:24 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	161309	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	682397	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	314377	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	541127	20.00	ng	0.00
75) Chrysene-d12	14.05	240	298918	20.00	ng	0.00
86) Perylene-d12	15.54	264	310298	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	23751	2.24	ng	0.00
7) Phenol-d6	6.50	99	32396	2.53	ng	0.00
23) Nitrobenzene-d5	7.44	82	17591	1.79	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	5608	2.22	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	27723	1.46	ng	-0.01
78) Terphenyl-d14	12.98	244	24826	1.97	ng	-0.01

Target Compounds				Qvalue		
31) Naphthalene	8.18	128	166313	4.988	ng	99
37) 2-Methylnaphthalene	8.87	142	57750	2.646	ng	92
48) Acenaphthylene	9.77	152	366922	11.333	ng	100
54) Dibenzofuran	10.12	168	110061	4.033	ng	98
57) Fluorene	10.46	166	210475	10.601	ng	100
70) Phenanthrene	11.43	178	1329825	44.126	ng	99
71) Anthracene	11.48	178	586143	19.122	ng	98
72) Carbazole	11.63	167	79412	2.644	ng	100
74) Fluoranthene	12.63	202	1751329	57.758	ng	100
77) Pyrene	12.86	202	1556396	66.400	ng	99
80) Benzo(a)anthracene	14.04	228	827445m	44.015	ng	
82) Chrysene	14.08	228	707011	37.308	ng	98
85) Indeno(1,2,3-cd)pyrene	17.05	276	424108	26.984	ng	95
87) Benzo(b)fluoranthene	15.11	252	894328m	44.455	ng	
88) Benzo(k)fluoranthene	15.13	252	246110m	12.803	ng	
89) Benzo(a)pyrene	15.49	252	676648	37.366	ng	97
90) Dibenzo(a,h)anthracene	17.06	278	119985m	8.163	ng	
91) Benzo(g,h,i)perylene	17.52	276	393358	27.343	ng	97

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

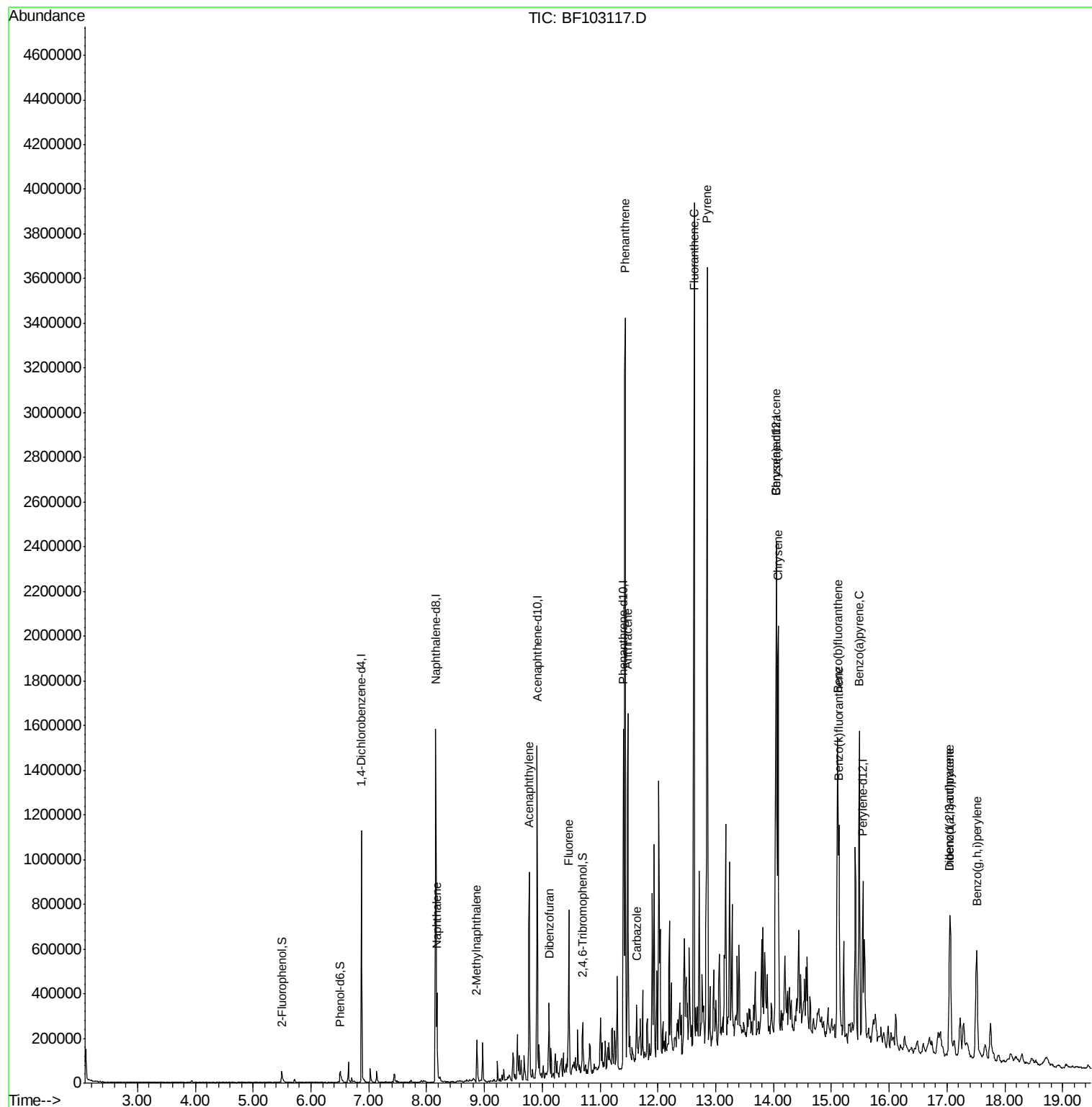
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022018\
Data File : BF103117.D
Acq On : 20 Feb 2018 11:27
Operator : SJ/JU
Sample : J1600-05DL 40X
Misc :
ALS Vial : 7 Sample Multiplier: 1

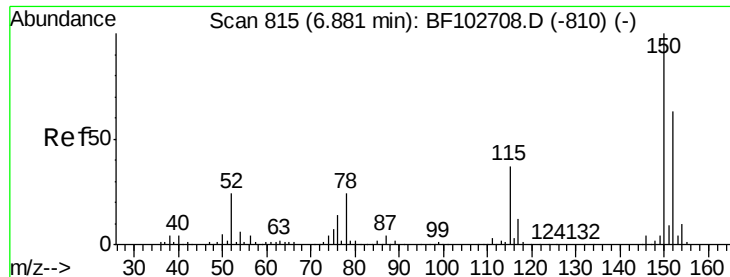
Instrument :
BNA_F
ClientSampleId :
A2 SB68 S_8DL

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2/21/2018 10:10:27 AM

Quant Time: Feb 20 13:59:24 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

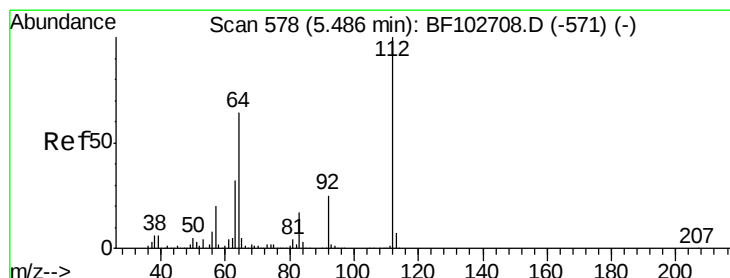
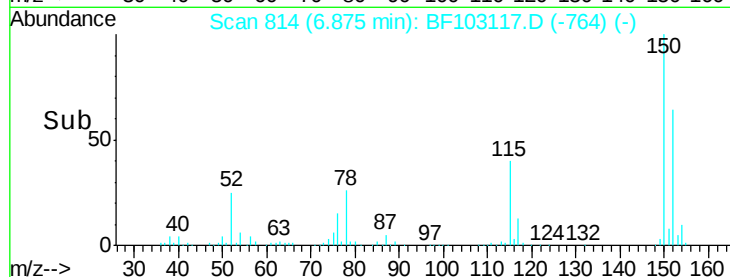
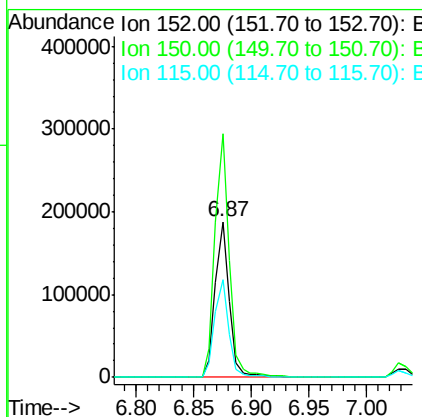
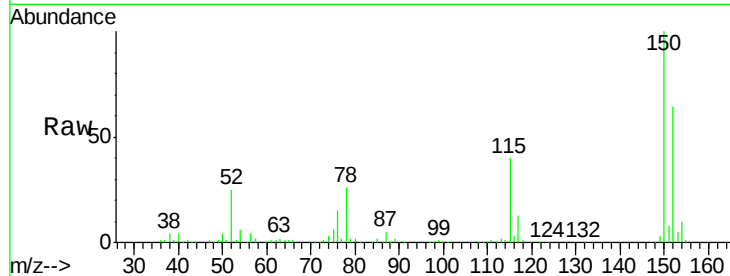
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103117.D
Acq: 20 Feb 2018 11:27

Instrument :
BNA_F
ClientSampleId :
A2_SB68_S_8DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	62.5	50.1	75.1

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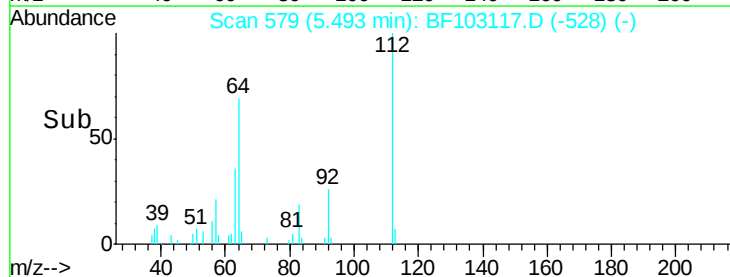
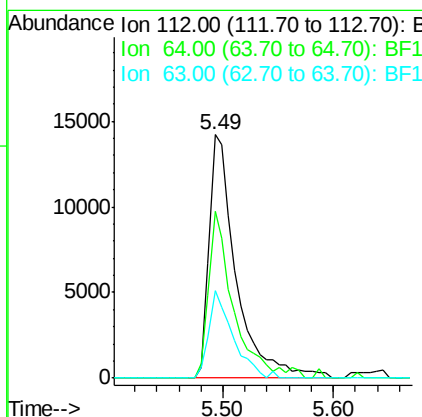
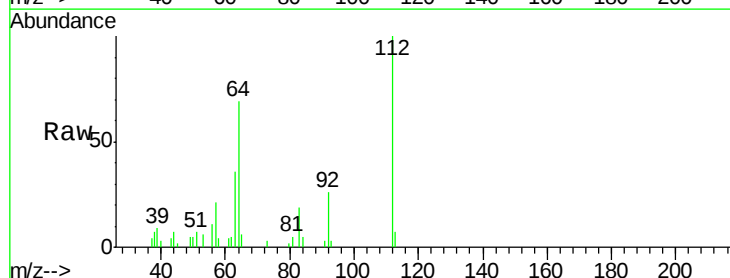
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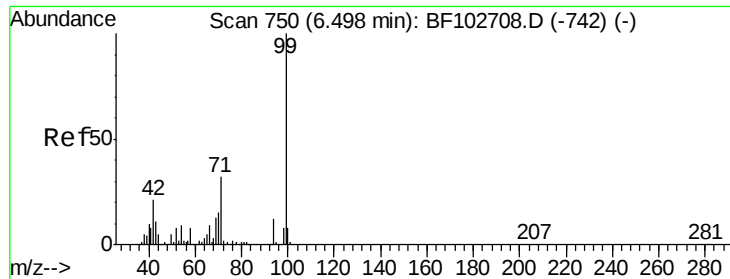


#5

2-Fluorophenol
Concen: 2.236 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF103117.D
Acq: 20 Feb 2018 11:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.6	47.9	71.9
63	35.7	23.7	35.5#





#7

Phenol-d6

Concen: 2.533 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103117.D

Acq: 20 Feb 2018 11:27

Instrument :

BNA_F

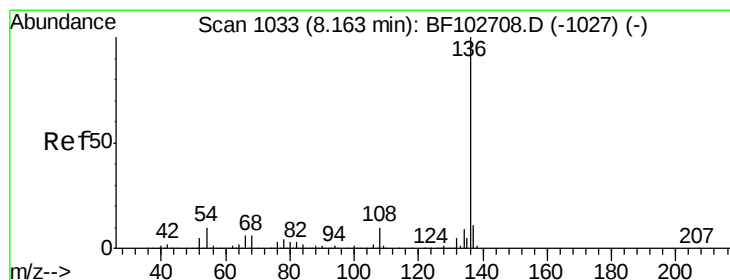
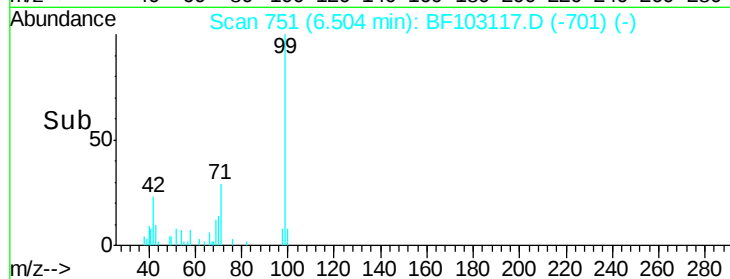
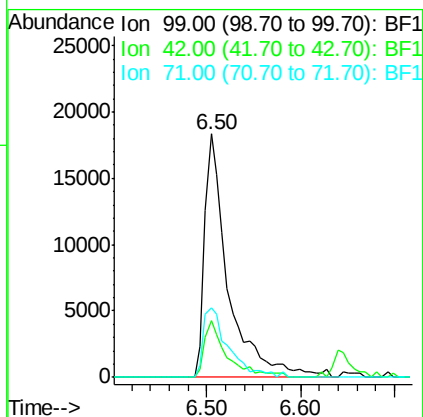
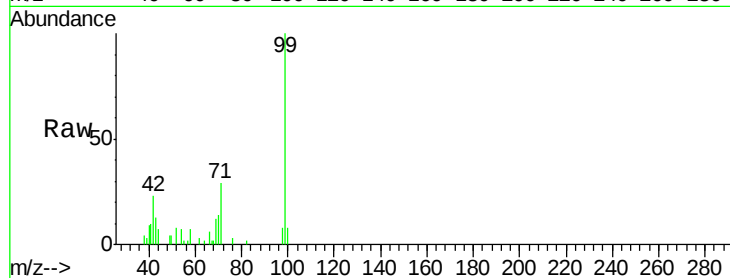
ClientSampleId :

A2_SB68_S_8DL

Tot Ion:	99	Resp:	32396
Ion	Ratio	Lower	Upper
99	100		
42	23.1	14.5	21.7#
71	28.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

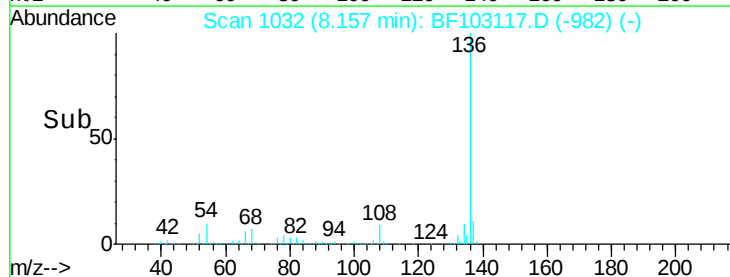
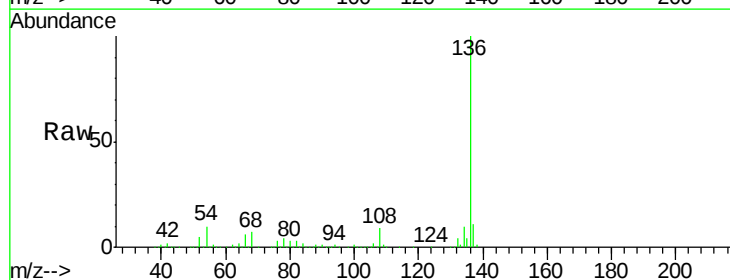
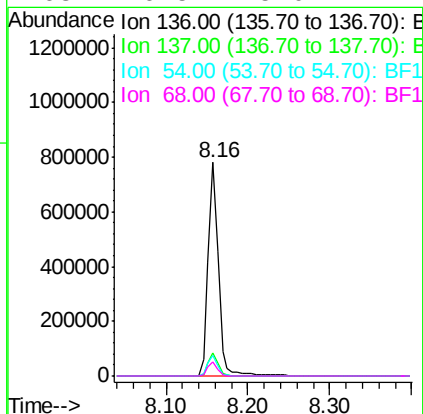
RT: 8.16 min Scan# 1032

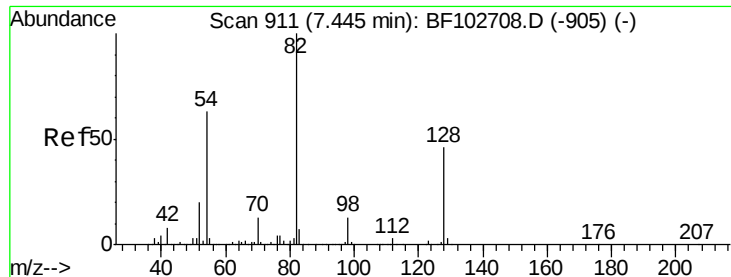
Delta R.T. -0.01 min

Lab File: BF103117.D

Acq: 20 Feb 2018 11:27

Tgt Ion:	136	Resp:	682397
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.6	6.6	9.8
68	6.5	5.0	7.4





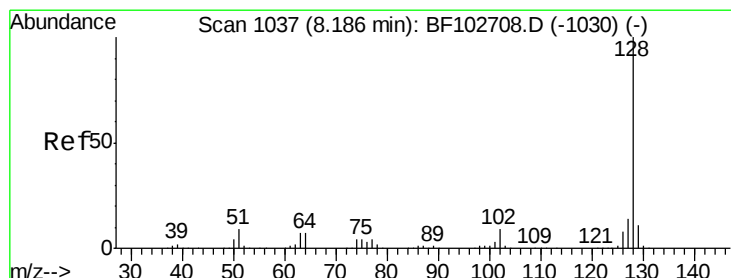
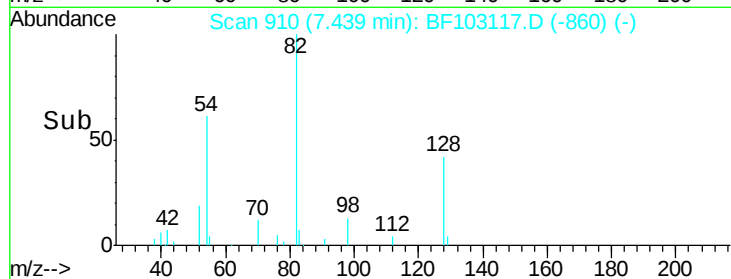
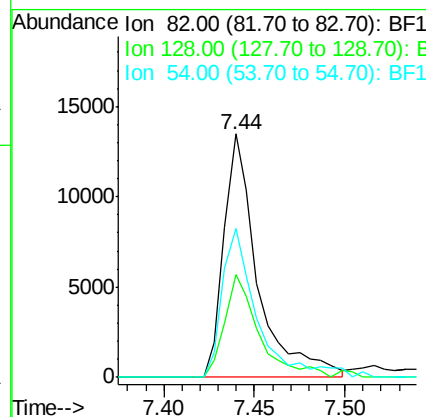
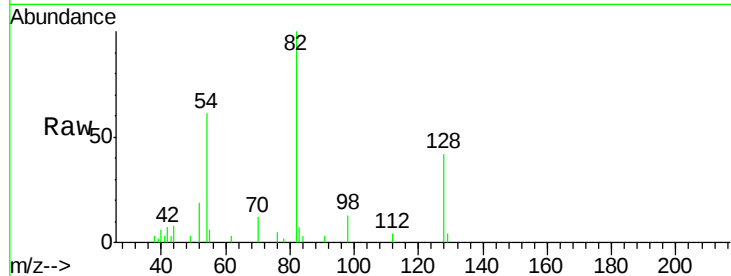
#23
Nitrobenzene-d5
Concen: 1.788 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103117.D
Acq: 20 Feb 2018 11:27

Instrument :
BNA_F
ClientSampleId :
A2_SB68_S_8DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.2	36.1	54.1
54	61.0	41.4	62.2

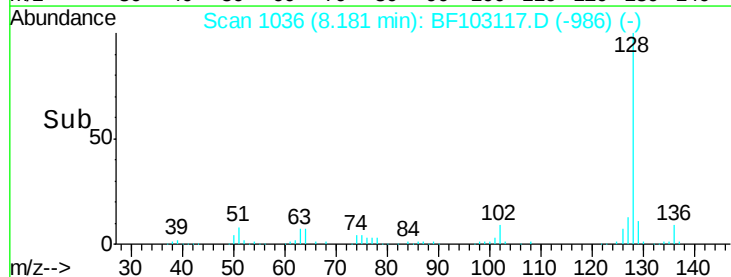
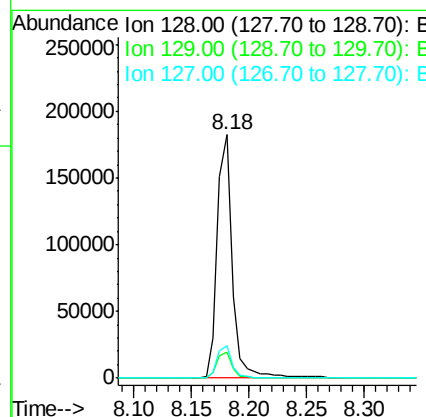
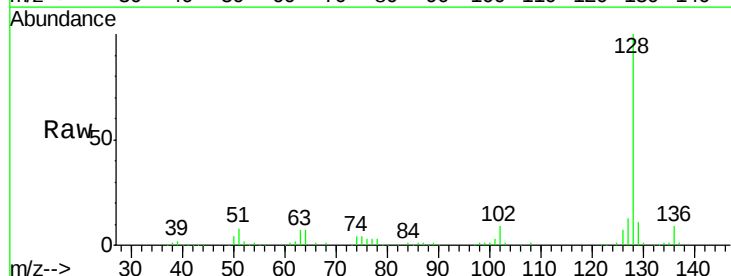
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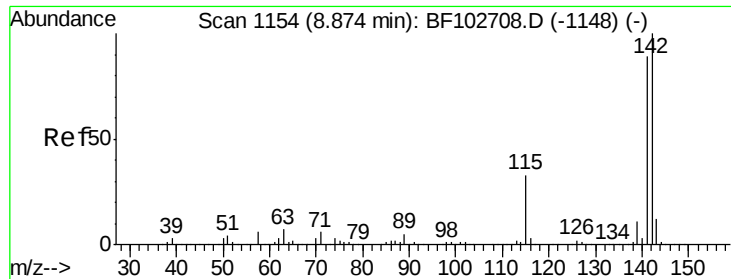
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#31
Naphthalene
Concen: 4.988 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF103117.D
Acq: 20 Feb 2018 11:27

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.1	10.9	16.3





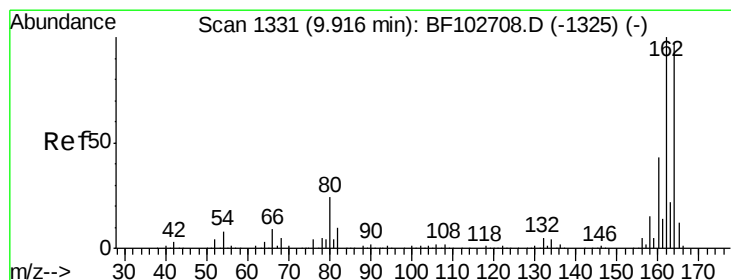
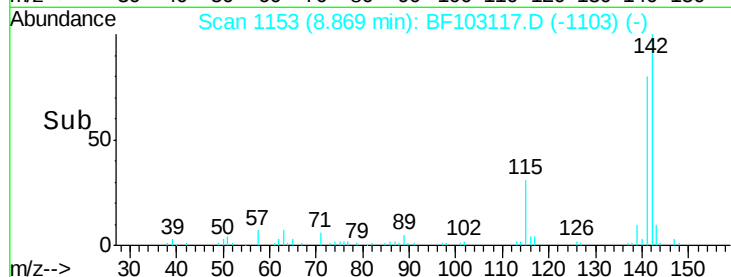
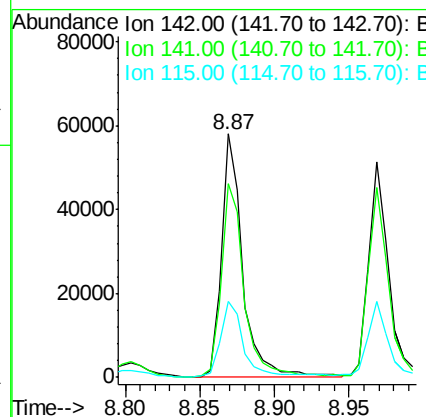
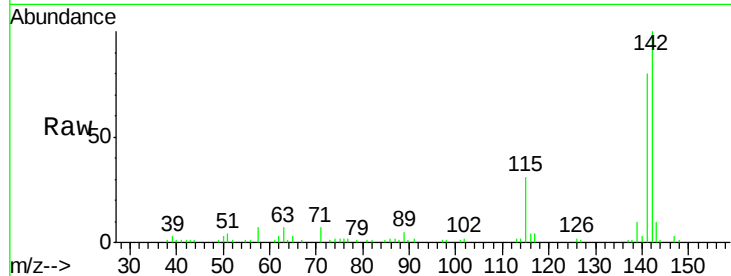
#37
 2-Methylnaphthalene
 Concen: 2.646 ng
 RT: 8.87 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BF103117.D
 Acq: 20 Feb 2018 11:27

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB68_S_8DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	79.6	70.8	106.2
115	31.0	26.1	39.1

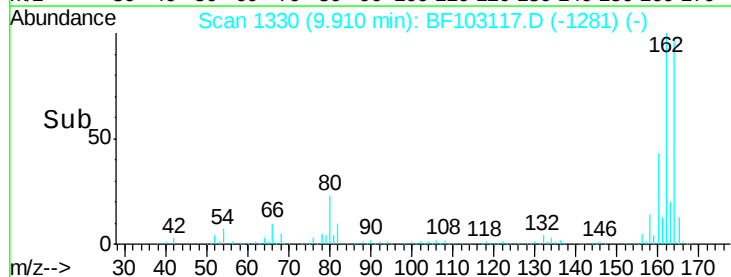
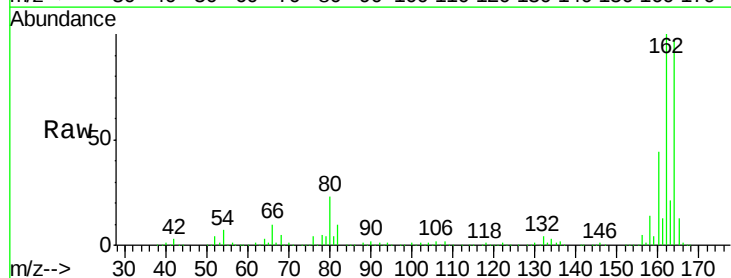
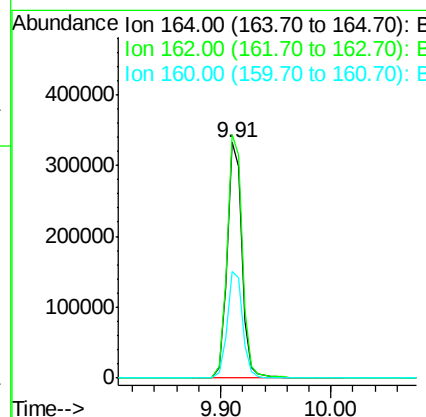
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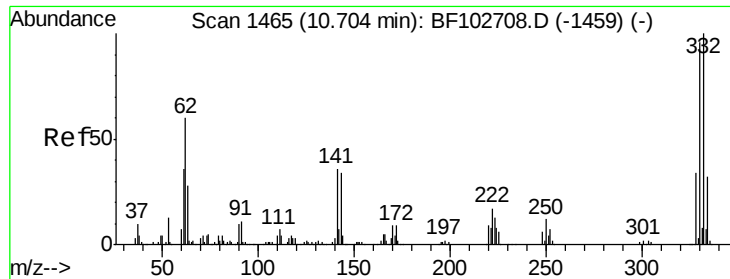
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF103117.D
 Acq: 20 Feb 2018 11:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	86.1	129.1
160	45.1	38.3	57.5





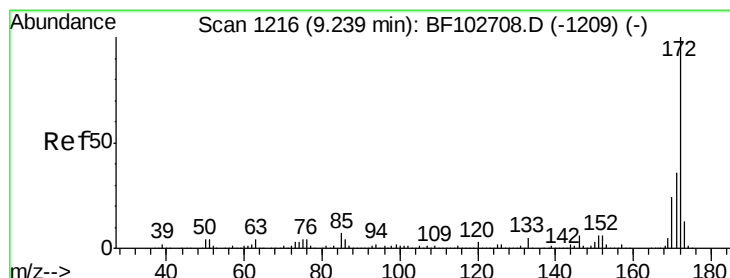
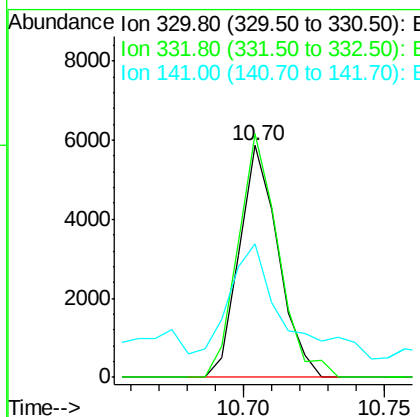
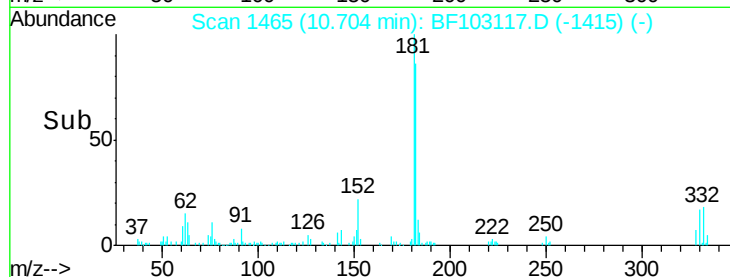
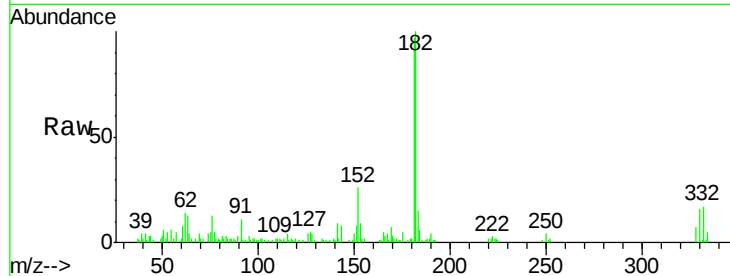
#41
 2,4,6-Tribromophenol
 Concen: 2.216 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF103117.D
 Acq: 20 Feb 2018 11:27

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB68_S_8DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	108.4	77.0	115.6
141	64.5	29.9	44.9

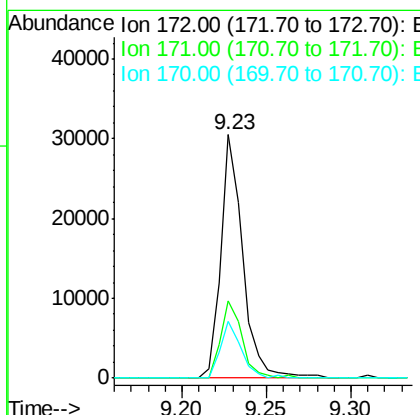
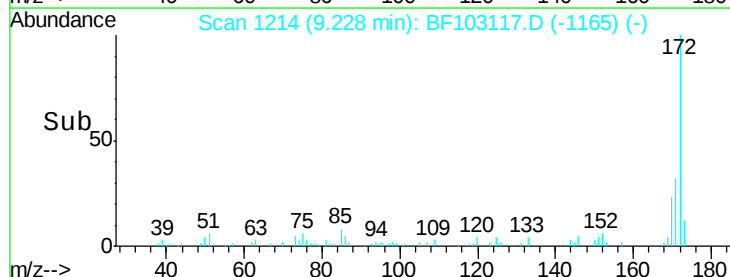
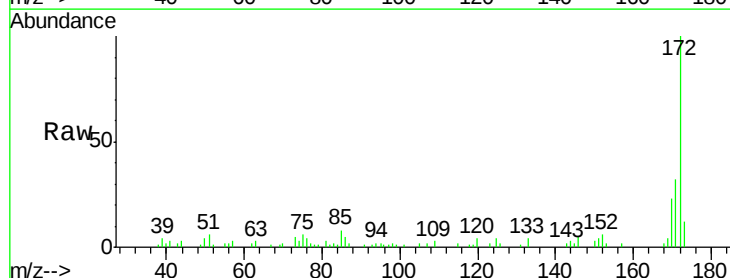
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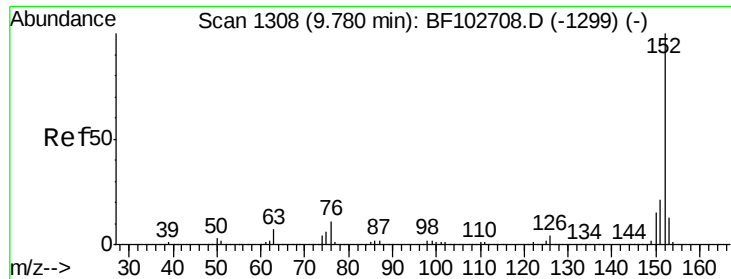
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#44
 2-Fluorobiphenyl
 Concen: 1.463 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103117.D
 Acq: 20 Feb 2018 11:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	31.9	29.7	44.5
170	23.1	19.6	29.4





#48

Acenaphthylene

Concen: 11.333 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF103117.D

Acq: 20 Feb 2018 11:27

Instrument :

BNA_F

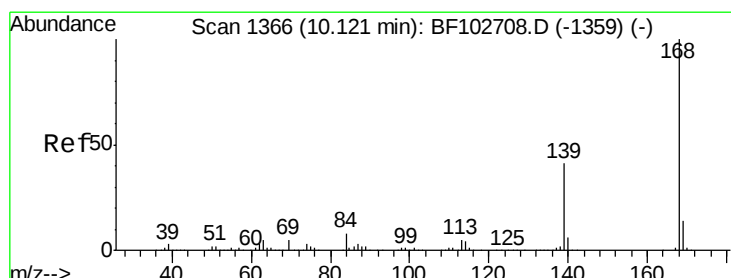
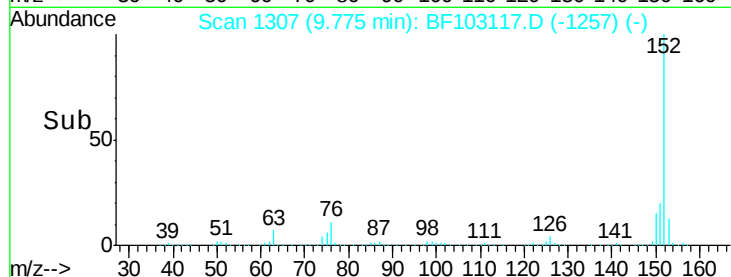
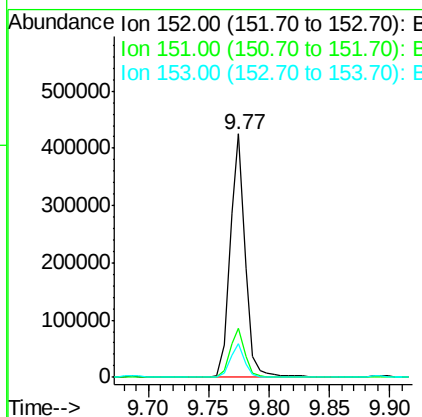
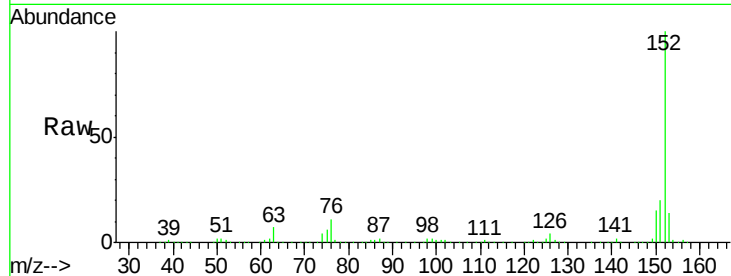
ClientSampleId :

A2_SB68_S_8DL

Tot Ion:	152	Resp:	366922
Ion Ratio	Lower	Upper	
152	100		
151	20.3	16.3	24.5
153	13.6	10.7	16.1

Manual Integrations
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#54

Dibenzofuran

Concen: 4.033 ng

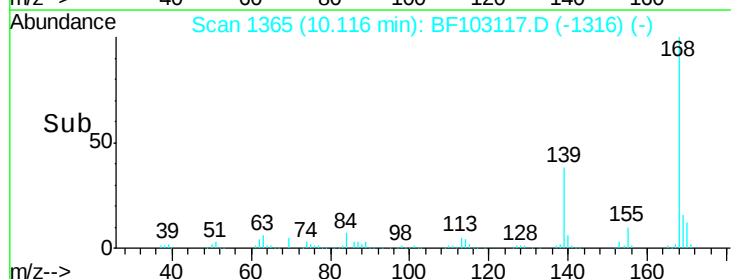
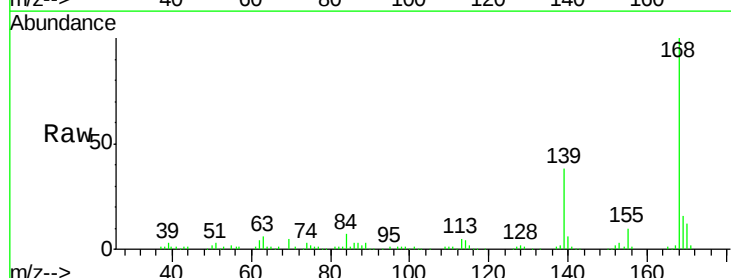
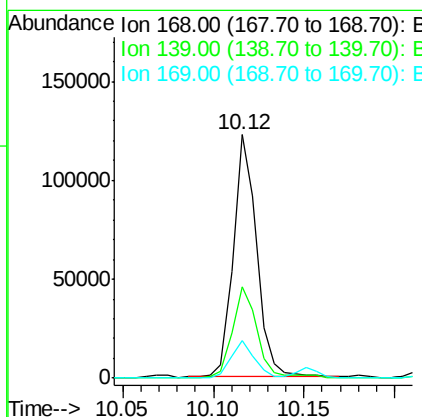
RT: 10.12 min Scan# 1365

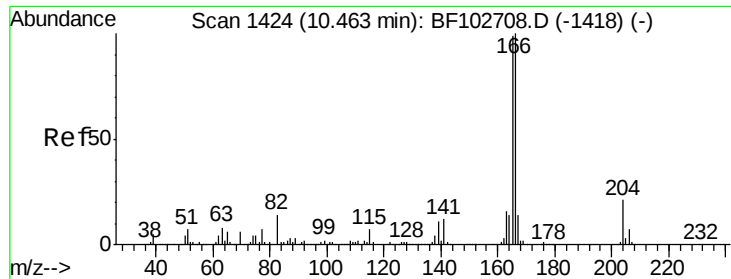
Delta R.T. -0.01 min

Lab File: BF103117.D

Acq: 20 Feb 2018 11:27

Tgt Ion:	168	Resp:	110061
Ion Ratio	Lower	Upper	
168	100		
139	37.7	30.1	45.1
169	15.7	10.9	16.3





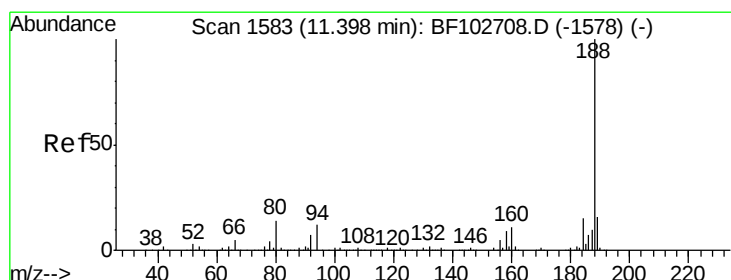
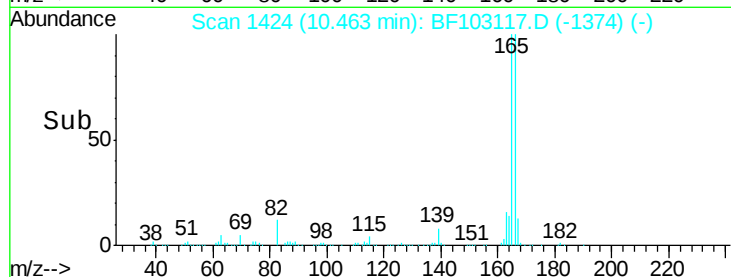
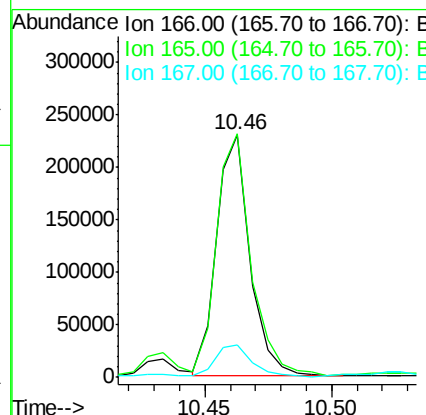
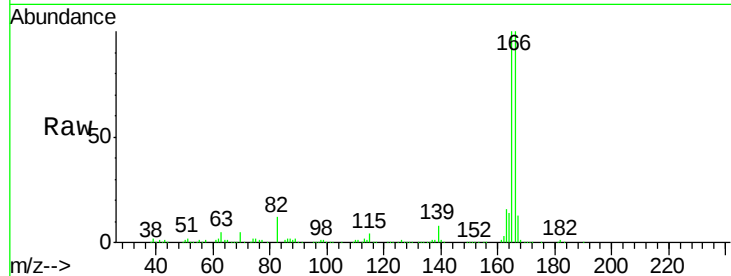
#57
Fluorene
 Concen: 10.601 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF103117.D
 Acq: 20 Feb 2018 11:27

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB68_S_8DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.3	79.8	119.8
167	13.5	10.6	16.0

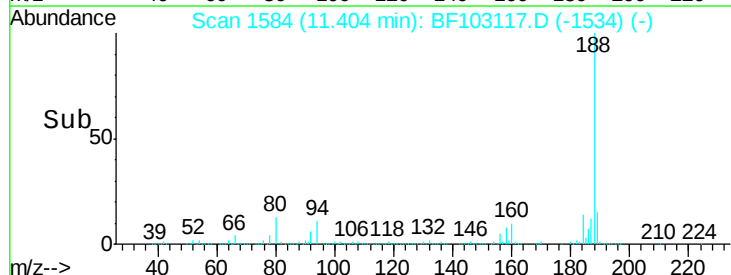
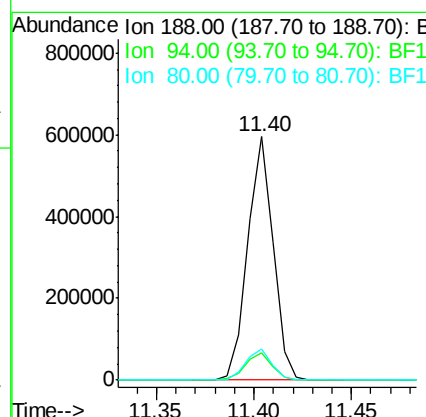
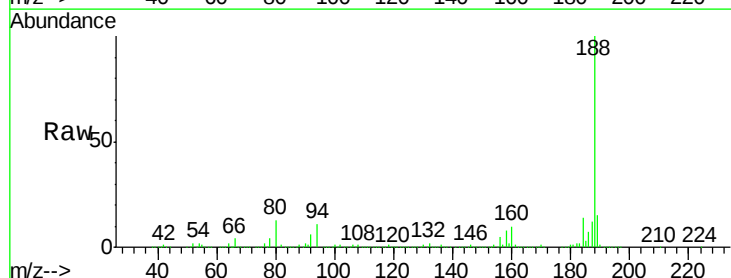
Manual Integrations
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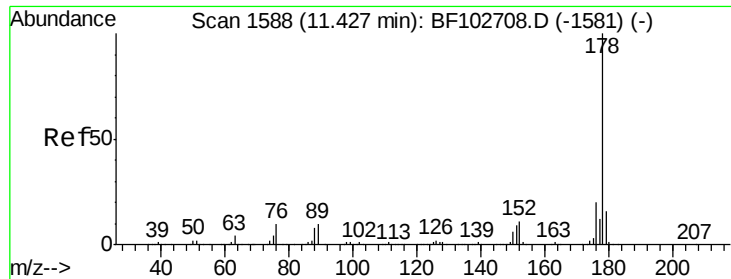
Sohil
 2/21/2018 10:10:27 AM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103117.D
 Acq: 20 Feb 2018 11:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.5	12.7
80	12.7	9.2	13.8





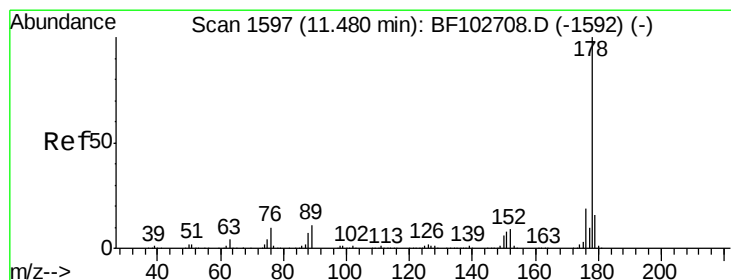
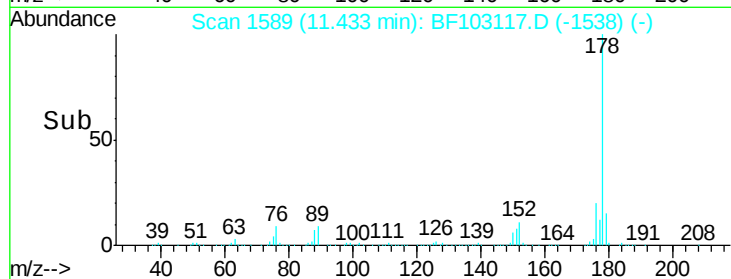
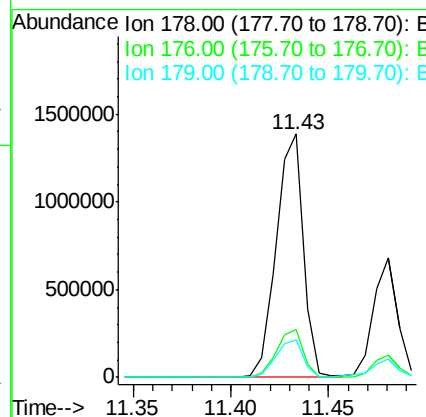
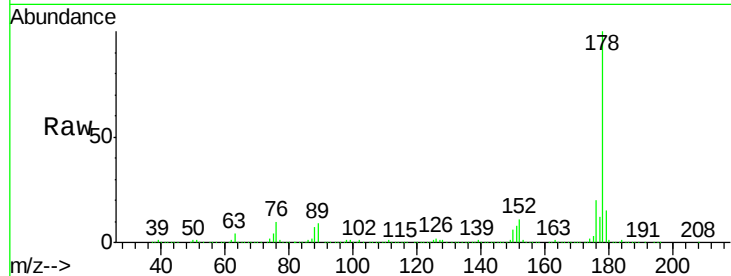
#70
Phenanthrene
Concen: 44.126 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF103117.D
Acq: 20 Feb 2018 11:27

Instrument :
BNA_F
ClientSampleId :
A2_SB68_S_8DL

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	19.8	15.8	23.8	
179	15.5	13.0	19.6	

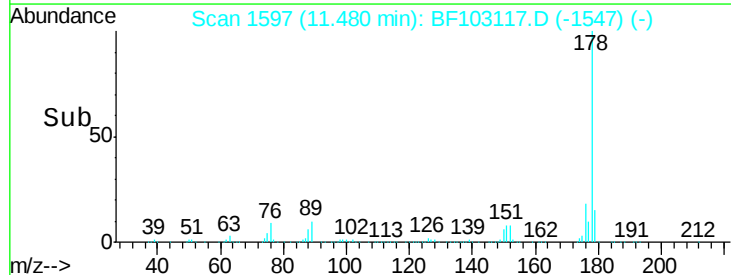
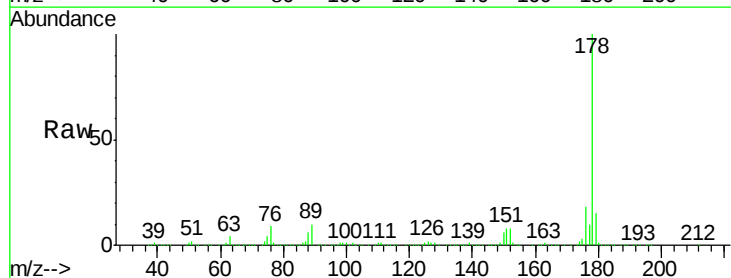
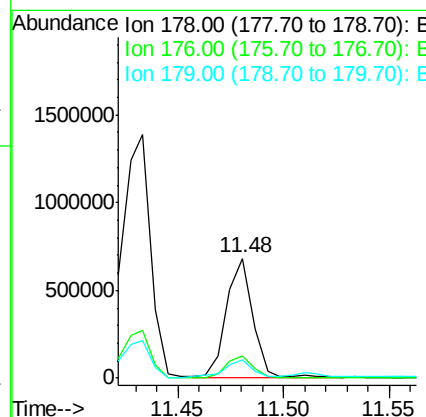
Manual Integrations
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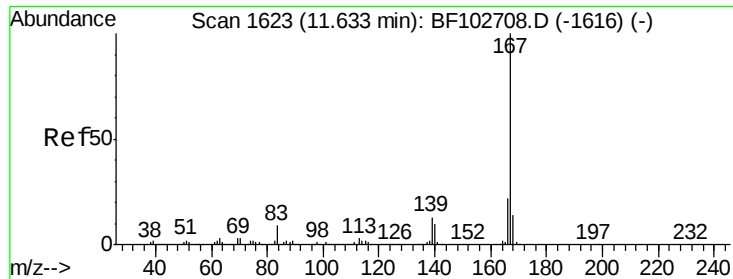
Sohil
2/21/2018 10:10:27 AM



#71
Anthracene
Concen: 19.122 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF103117.D
Acq: 20 Feb 2018 11:27

Tgt Ion	Ion	Ratio	Lower	Upper
178	100			
176	18.3	15.4	23.2	
179	15.4	12.6	19.0	





#72

Carbazole

Concen: 2.644 ng

RT: 11.63 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF103117.D

Acq: 20 Feb 2018 11:27

Instrument :

BNA_F

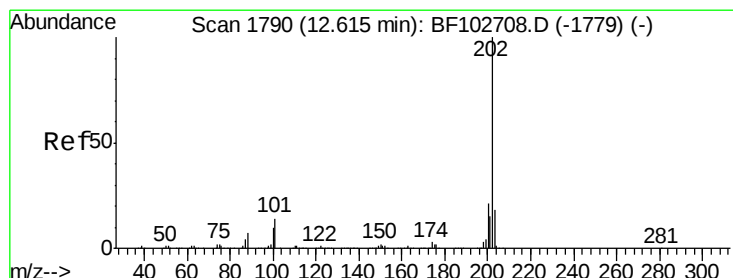
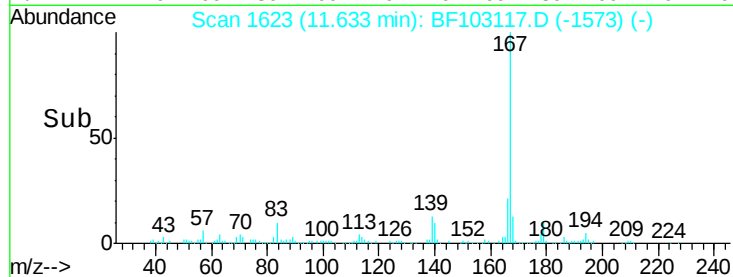
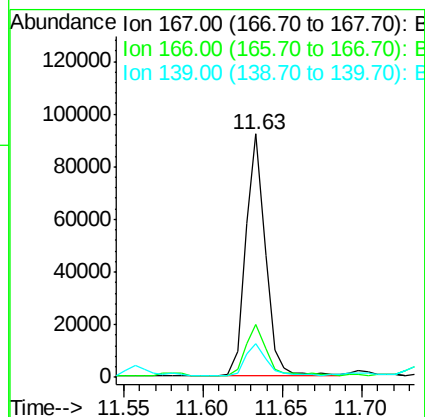
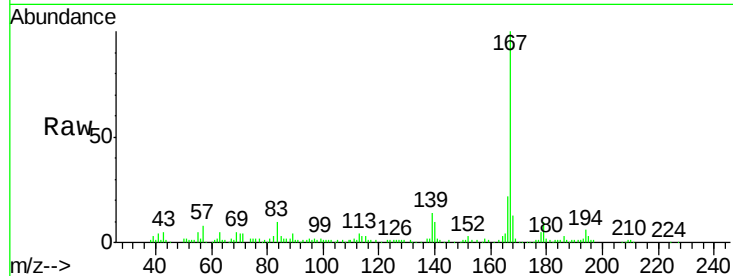
ClientSampleId :

A2_SB68_S_8DL

Tot Ion:	167	Resp:	79412
Ion Ratio	Lower	Upper	
167	100		
166	21.8	17.6	26.4
139	13.8	10.9	16.3

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#74

Fluoranthene

Concen: 57.758 ng

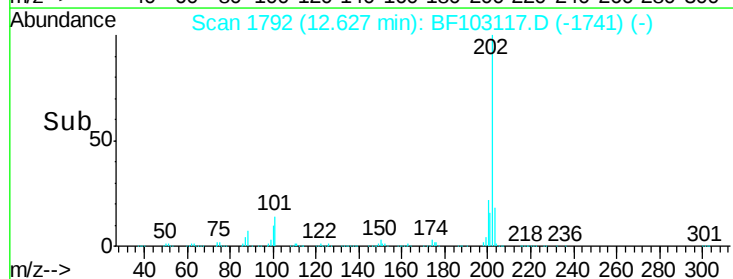
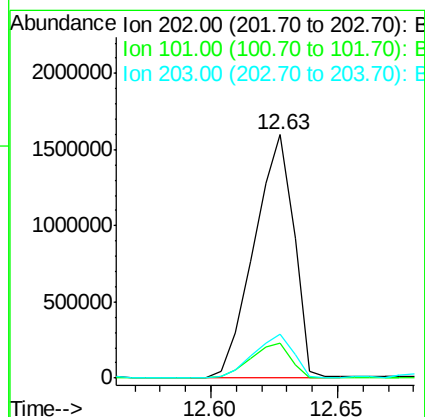
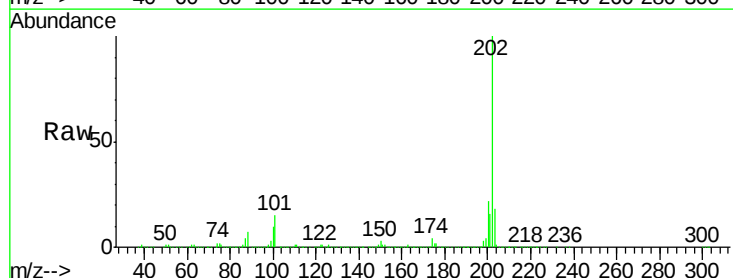
RT: 12.63 min Scan# 1792

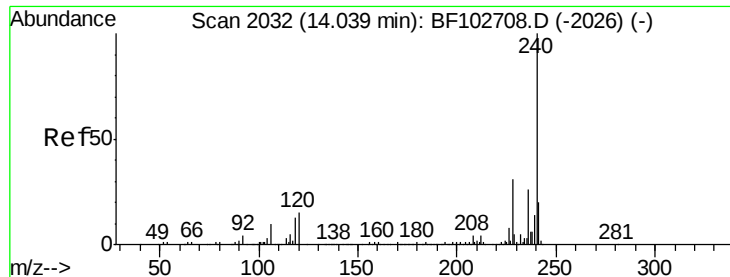
Delta R.T. 0.00 min

Lab File: BF103117.D

Acq: 20 Feb 2018 11:27

Tgt Ion:	202	Resp:	1751329
Ion Ratio	Lower	Upper	
202	100		
101	14.5	0.0	34.1
203	18.1	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: BF103117.D

Acq: 20 Feb 2018 11:27

Instrument :

BNA_F

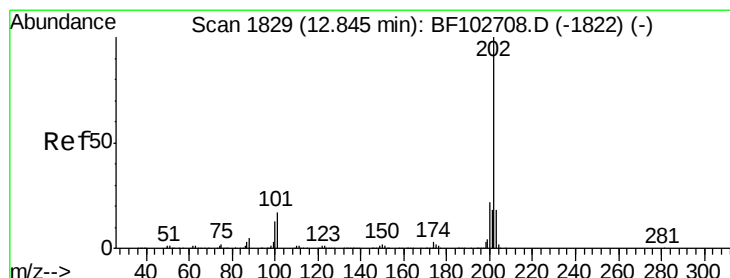
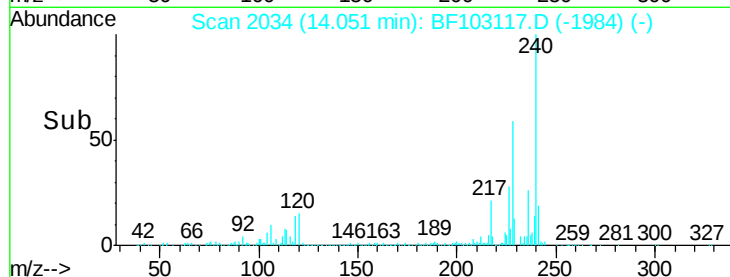
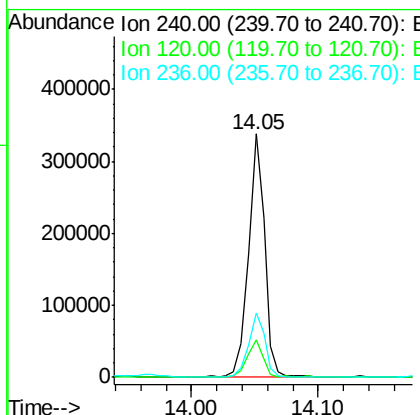
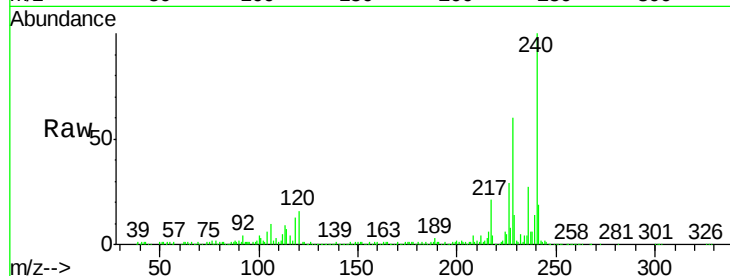
ClientSampleId :

A2_SB68_S_8DL

Tot Ion:	240	Resp:	298918
Ion Ratio		Lower	Upper
240	100		
120	15.5	9.5	14.3#
236	26.7	20.7	31.1

Manual Integrations
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Sohil
2/21/2018 10:10:27 AM



#77

Pyrene

Concen: 66.400 ng

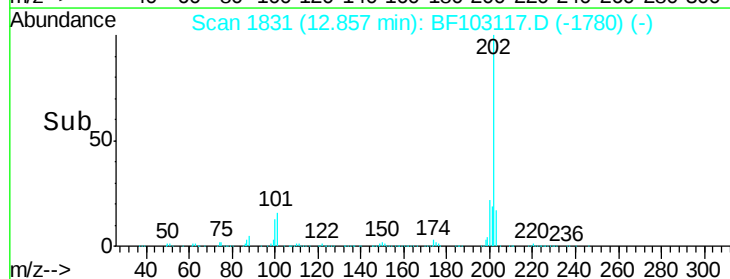
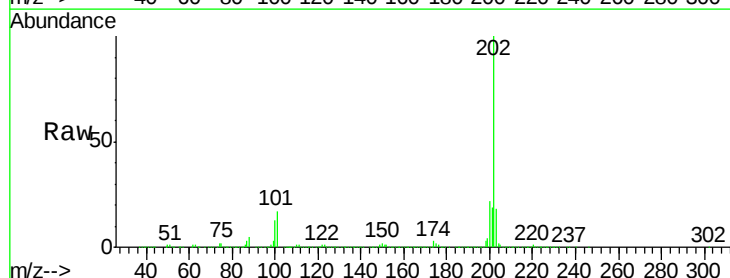
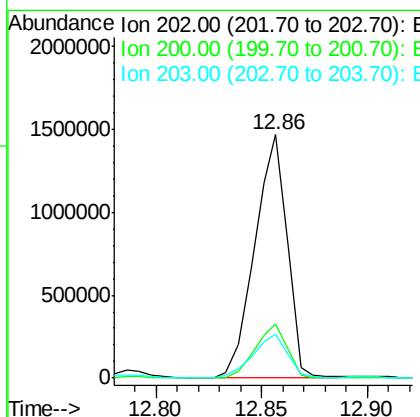
RT: 12.86 min Scan# 1831

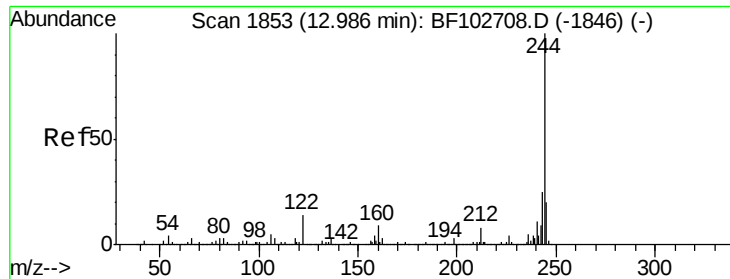
Delta R.T. 0.00 min

Lab File: BF103117.D

Acq: 20 Feb 2018 11:27

Tgt Ion:	202	Resp:	1556396
Ion Ratio		Lower	Upper
202	100		
200	22.2	17.4	26.2
203	18.1	14.3	21.5





#78

Terphenyl-d14

Concen: 1.967 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103117.D

Acq: 20 Feb 2018 11:27

Instrument :

BNA_F

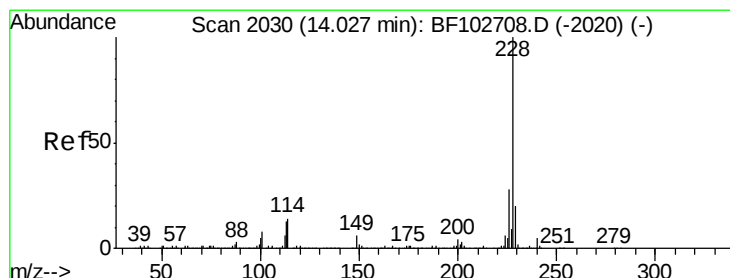
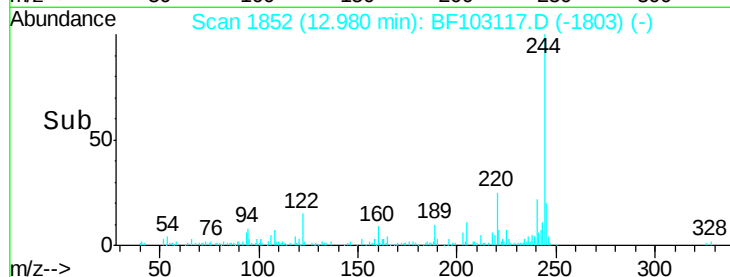
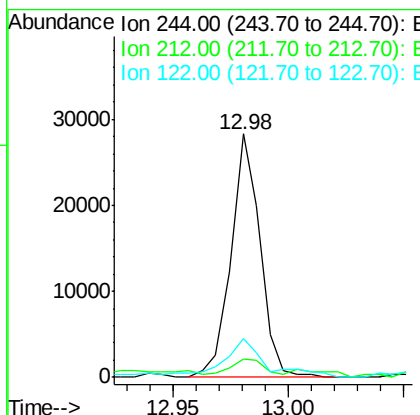
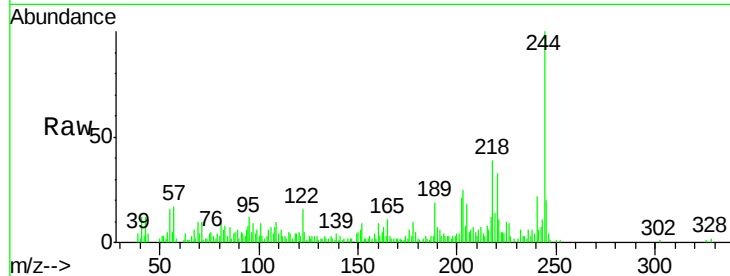
ClientSampleId :

A2_SB68_S_8DL

Tot Ion:	244	Resp:	24826
Ion Ratio	Lower	Upper	
244	100		
212	7.5	5.4	8.0
122	16.2	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 44.015 ng m

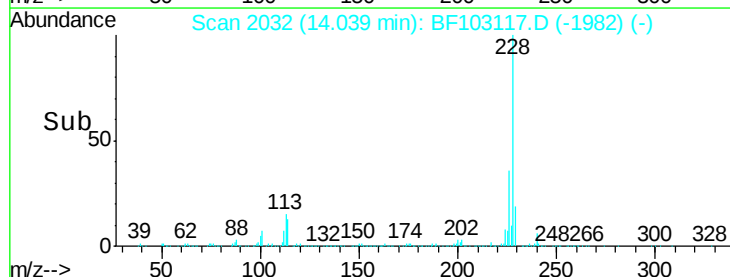
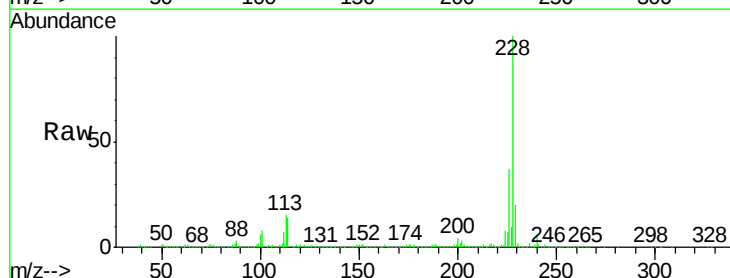
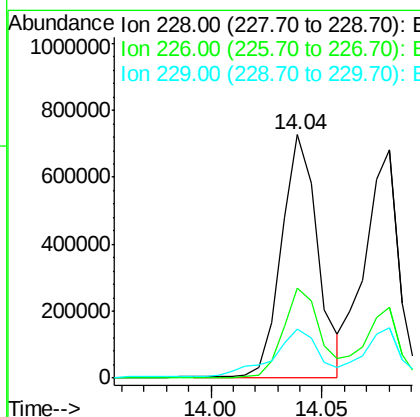
RT: 14.04 min Scan# 2032

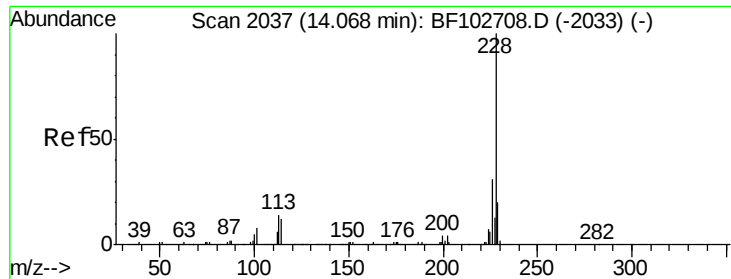
Delta R.T. -0.01 min

Lab File: BF103117.D

Acq: 20 Feb 2018 11:27

Tgt Ion:	228	Resp:	827445
Ion Ratio	Lower	Upper	
228	100		
226	36.8	22.6	33.8#
229	20.3	15.8	23.6





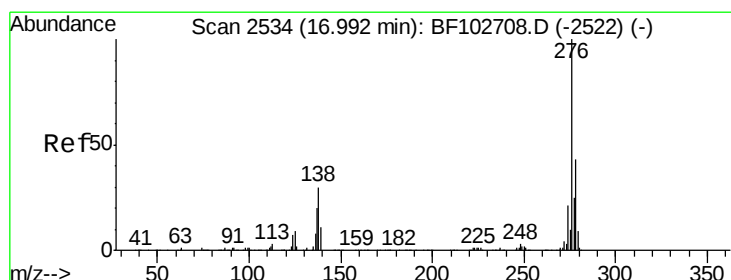
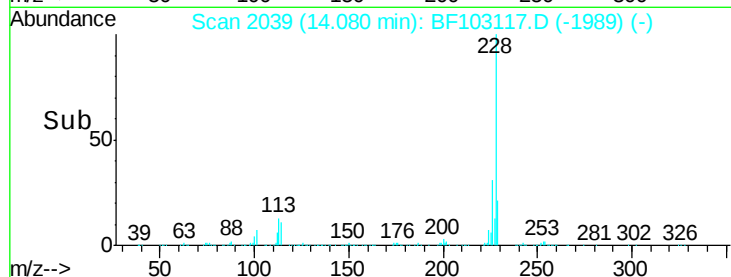
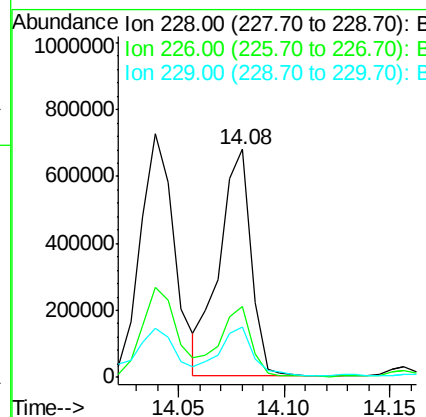
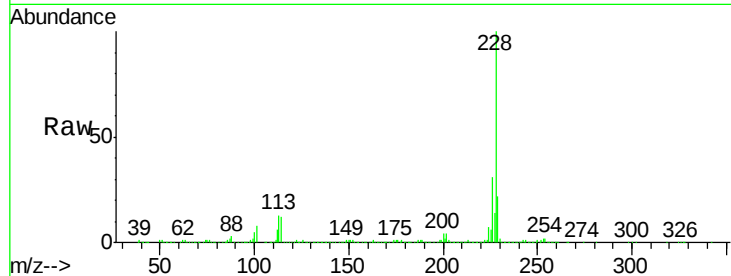
#82
Chrysene
Concen: 37.308 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103117.D
Acq: 20 Feb 2018 11:27

Instrument :
BNA_F
ClientSampleId :
A2_SB68_S_8DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	22.1	16.2	24.4

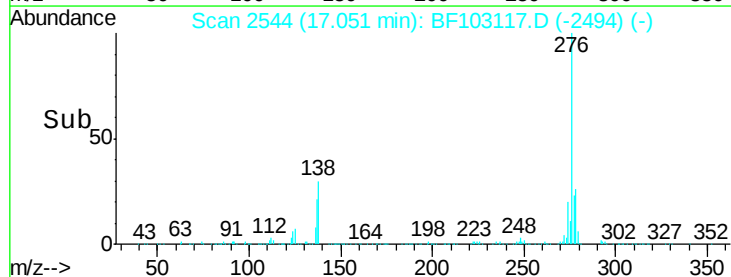
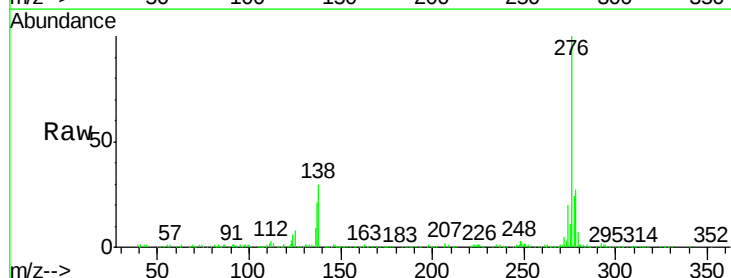
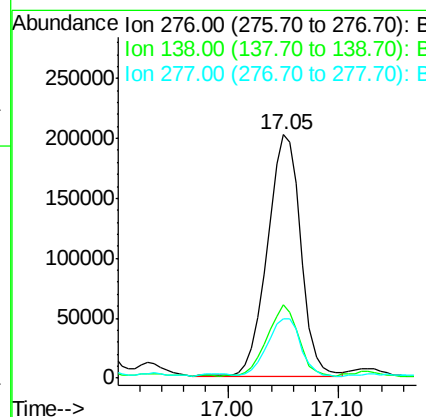
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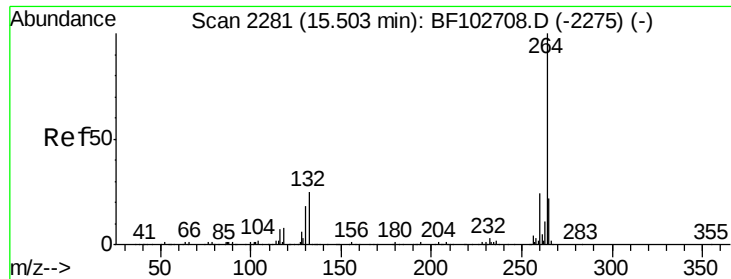
Sohil
2/21/2018 10:10:27 AM



#85
Indeno(1,2,3-cd)pyrene
Concen: 26.984 ng
RT: 17.05 min Scan# 2544
Delta R.T. -0.01 min
Lab File: BF103117.D
Acq: 20 Feb 2018 11:27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.4	25.0	37.6
277	24.3	20.1	30.1





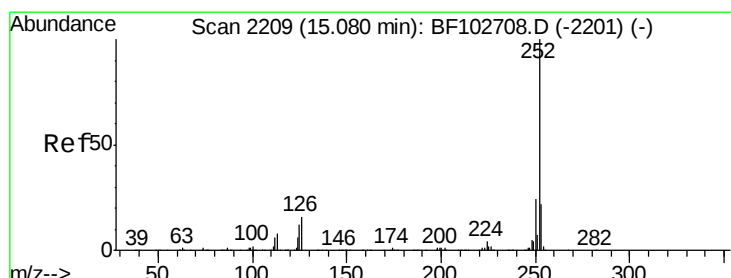
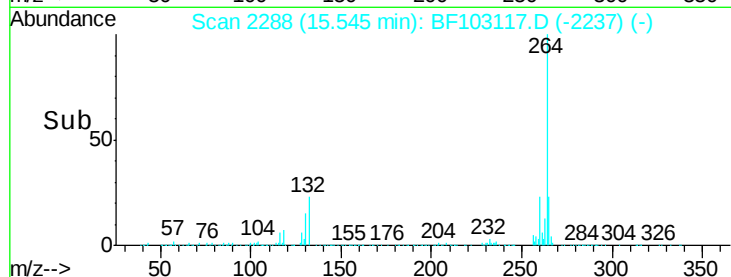
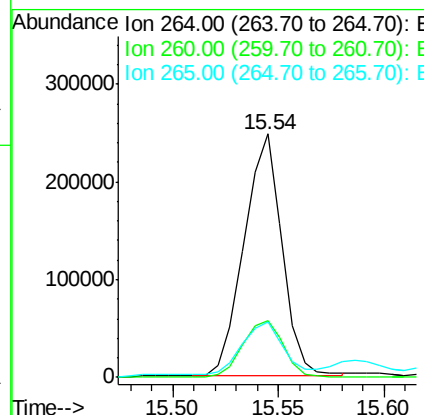
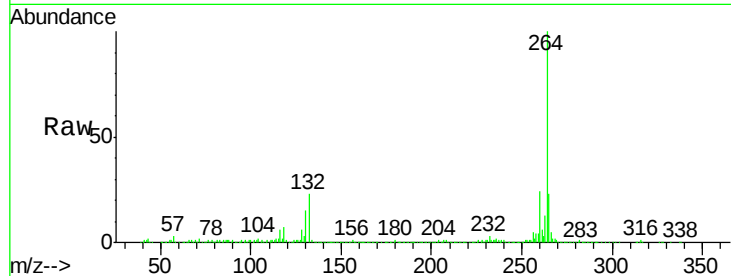
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.00 min
Lab File: BF103117.D
Acq: 20 Feb 2018 11:27

Instrument :
BNA_F
ClientSampleId :
A2_SB68_S_8DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.8	17.5	26.3

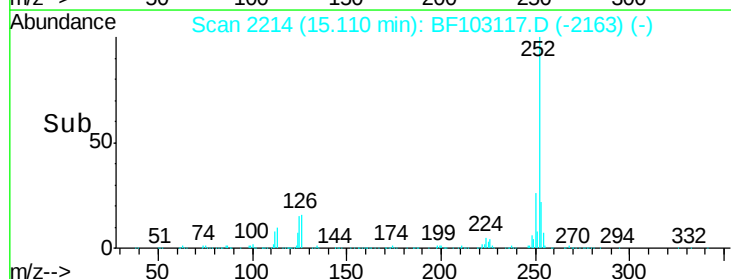
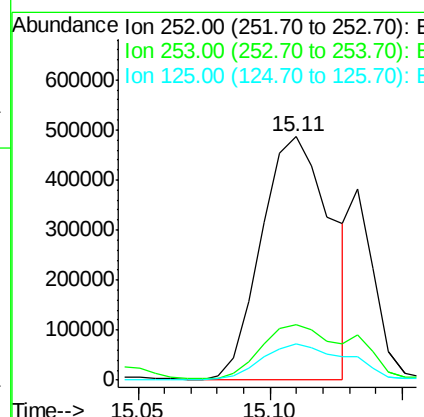
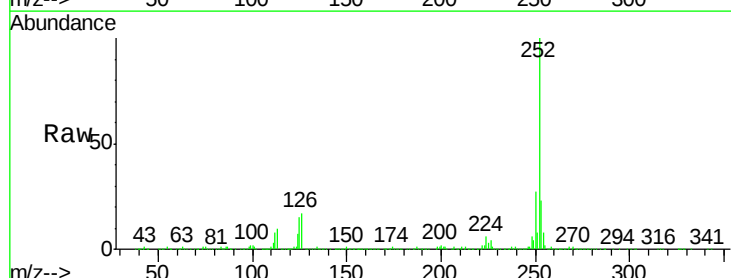
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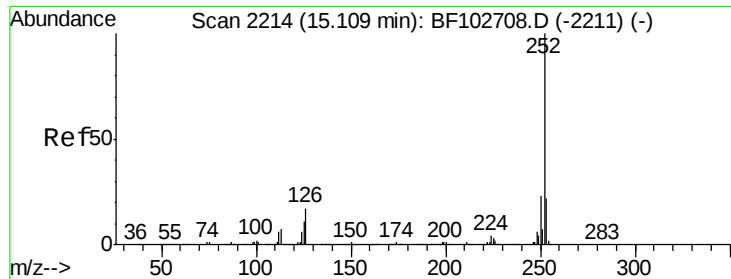
Sohil
2/21/2018 10:10:27 AM



#87
Benzo(b)fluoranthene
Concen: 44.455 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.00 min
Lab File: BF103117.D
Acq: 20 Feb 2018 11:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	15.0	9.0	13.6





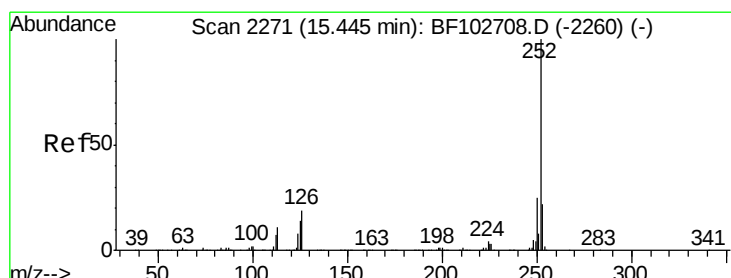
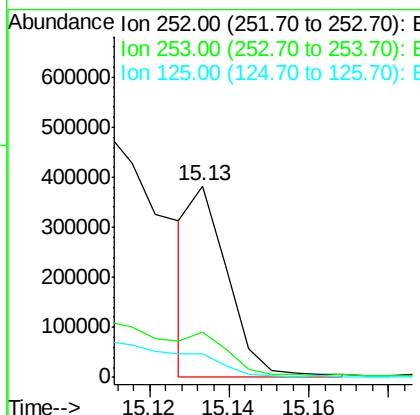
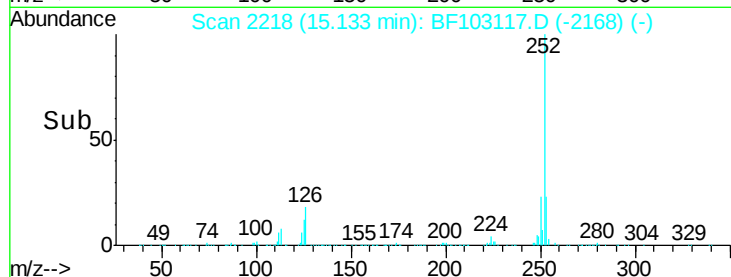
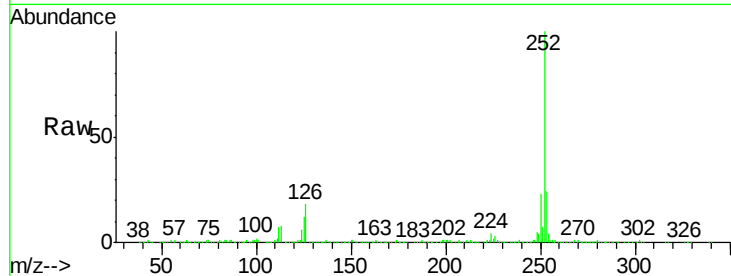
#88
Benzo(k)fluoranthene
Concen: 12.803 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF103117.D
Acq: 20 Feb 2018 11:27

Instrument :
BNA_F
ClientSampleId :
A2_SB68_S_8DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	12.5	10.2	15.2

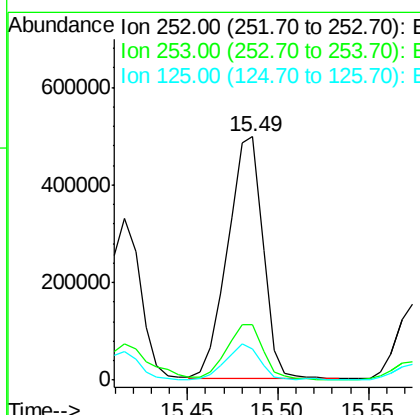
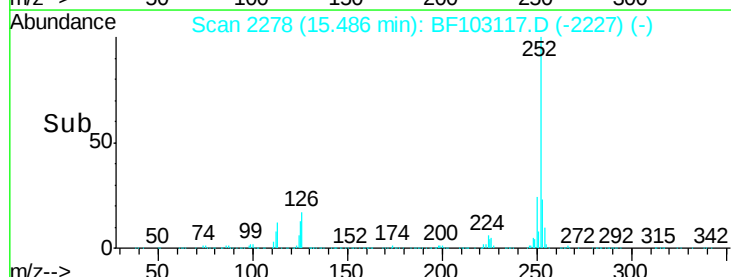
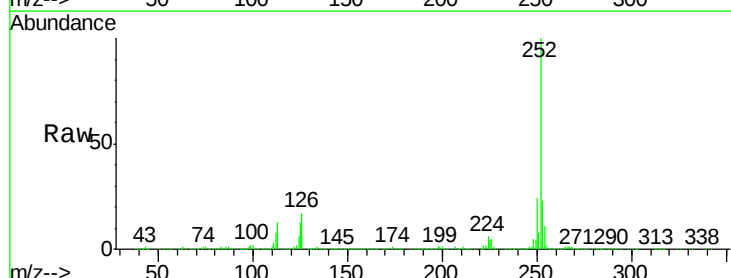
Manual Integrations
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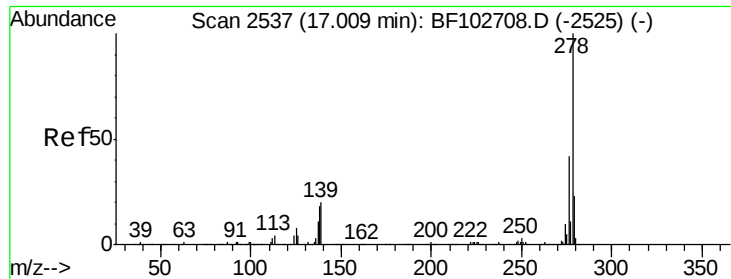
Sohil
2/21/2018 10:10:27 AM



#89
Benzo(a)pyrene
Concen: 37.366 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.00 min
Lab File: BF103117.D
Acq: 20 Feb 2018 11:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	12.9	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 8.163 ng

RT: 17.06 min Scan# 2545

Delta R.T. -0.02 min

Lab File: BF103117.D

Acq: 20 Feb 2018 11:27

Instrument :

BNA_F

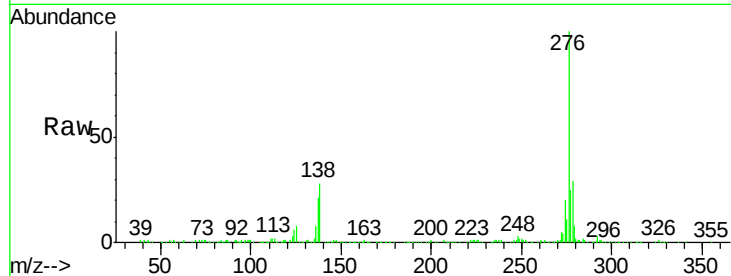
ClientSampleId :

A2_SB68_S_8DL

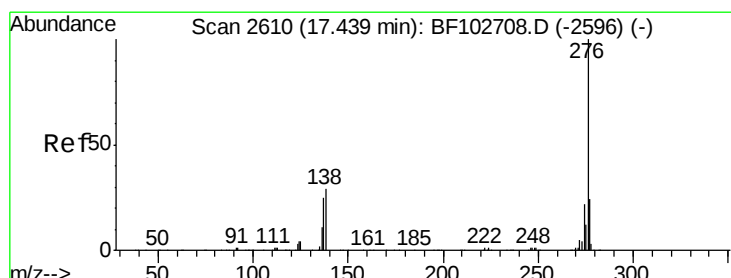
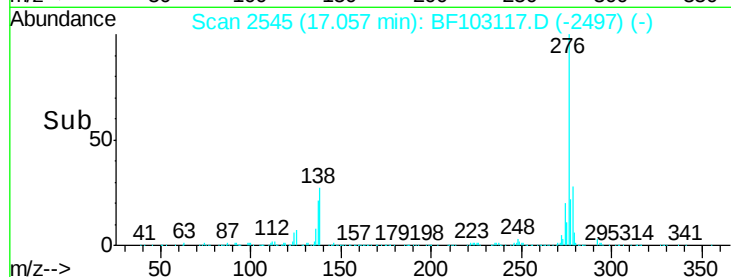
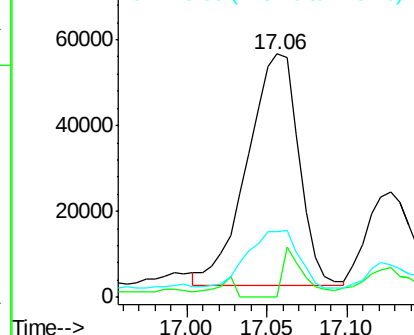
Tot Ion:278	Resp:	119985
Ion Ratio	Lower	Upper
278	100	
139	0.0	15.9 23.9#
279	27.1	19.0 28.4

Manual Integrations
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2/21/2018 10:10:27 AM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 27.343 ng

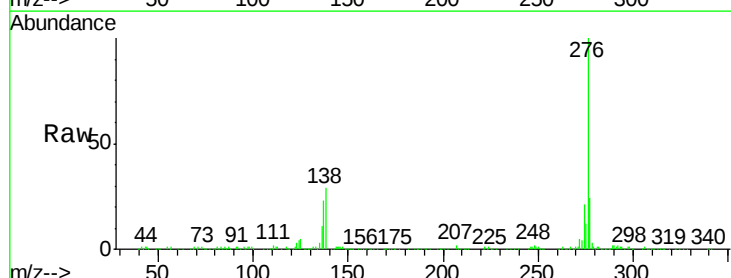
RT: 17.52 min Scan# 2623

Delta R.T. -0.01 min

Lab File: BF103117.D

Acq: 20 Feb 2018 11:27

Tgt Ion:276	Resp:	393358
Ion Ratio	Lower	Upper
276	100	
277	23.8	17.9 26.9
138	28.9	21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

