

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF021218\
 Data File : BF102908.D
 Acq On : 12 Feb 2018 9:41
 Operator : SJ/JU
 Sample : J1404-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-020718

Manual Integrations
 APPROVED

Sohil
 2/13/2018 11:25:06 AM

Quant Time: Feb 12 11:51:12 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 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	202189	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	799193	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	346457	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	501068	20.00	ng	0.00
75) Chrysene-d12	14.06	240	332273	20.00	ng	0.00
86) Perylene-d12	15.54	264	363789	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1320829	99.21	ng	0.02
7) Phenol-d6	6.52	99	1545544	96.41	ng	0.01
23) Nitrobenzene-d5	7.45	82	1001924	86.97	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	248249	89.02	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1308343	62.66	ng	0.00
78) Terphenyl-d14	13.00	244	806307	57.46	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.53	94	57815	3.365	ng	98
49) Dimethylphthalate	9.63	163	103768	3.841	ng	100
51) Acenaphthene	9.95	154	87789	4.114	ng	99
54) Dibenzofuran	10.13	168	76056	2.529	ng	98
57) Fluorene	10.47	166	100887	4.611	ng	99
70) Phenanthrene	11.44	178	1236132	44.296	ng	100
71) Anthracene	11.49	178	473302	16.675	ng	100
72) Carbazole	11.64	167	56399	2.028	ng	97
74) Fluoranthene	12.63	202	1367286	48.698	ng	98
77) Pyrene	12.86	202	1230082	47.210	ng	100
80) Benzo(a)anthracene	14.04	228	618340	29.590	ng	98
82) Chrysene	14.09	228	545901	25.915	ng	97
85) Indeno(1,2,3-cd)pyrene	17.05	276	186543	10.677	ng	97
87) Benzo(b)fluoranthene	15.11	252	629928m	26.708	ng	
88) Benzo(k)fluoranthene	15.13	252	179723m	7.975	ng	
89) Benzo(a)pyrene	15.49	252	428997	20.207	ng	# 96
90) Dibenzo(a,h)anthracene	17.06	278	52630	3.054	ng	# 82
91) Benzo(g,h,i)perylene	17.51	276	171217	10.151	ng	94

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

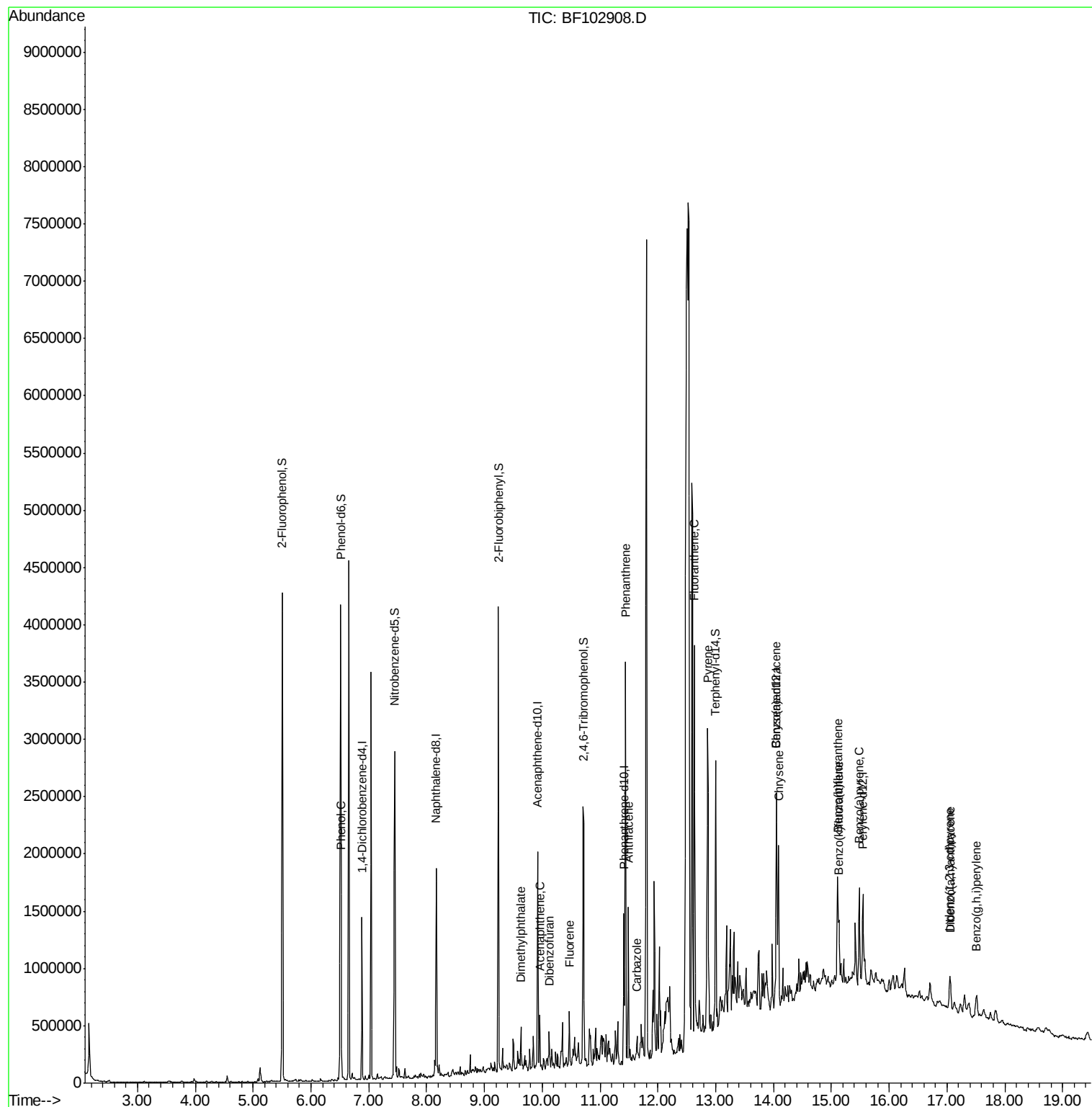
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF021218\
Data File : BF102908.D
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ALS Vial : 3 Sample Multiplier: 1

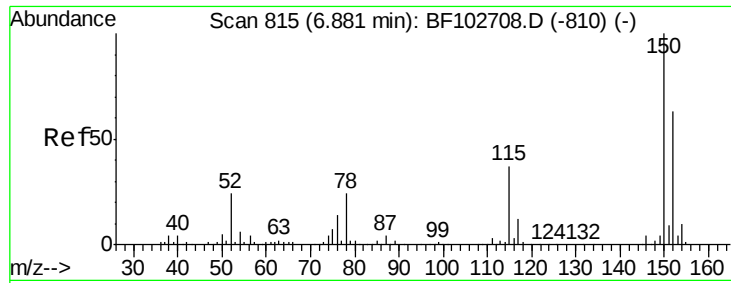
Instrument :
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ClientSampleId :
TR-05-020718

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#1

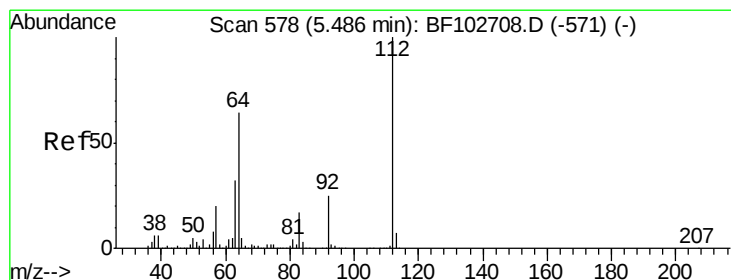
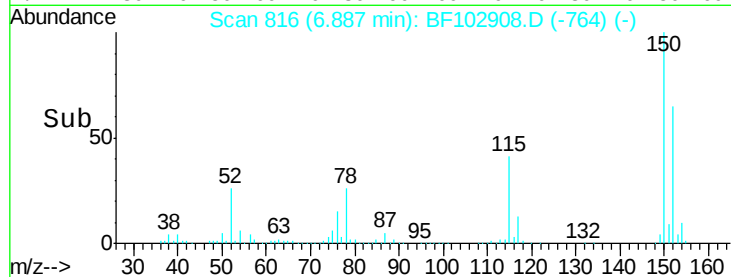
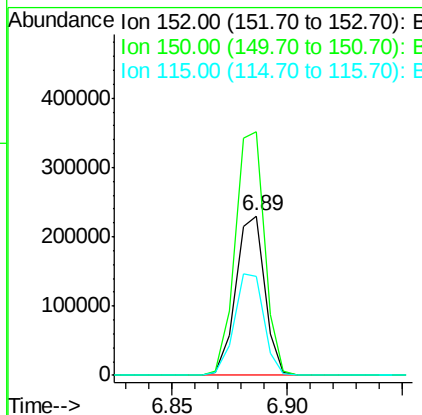
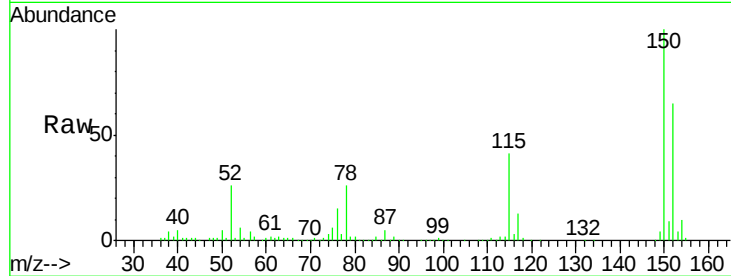
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102908.D
Acq: 12 Feb 2018 9:41

Instrument :
BNA_F
ClientSampleId :
TR-05-020718

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	124.6	186.8
115	62.0	50.1	75.1

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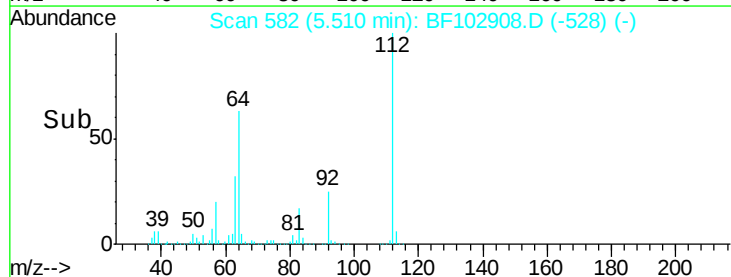
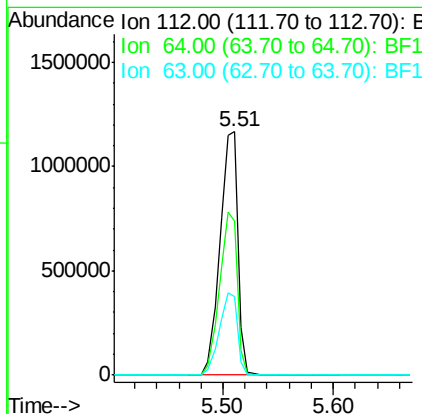
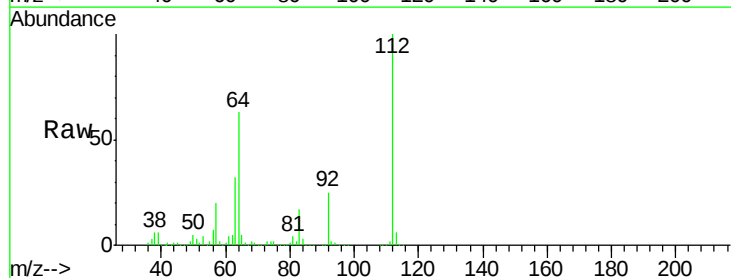
Sohil
2/13/2018 11:25:06 AM

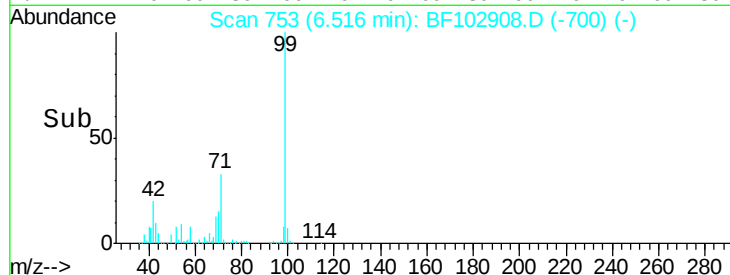
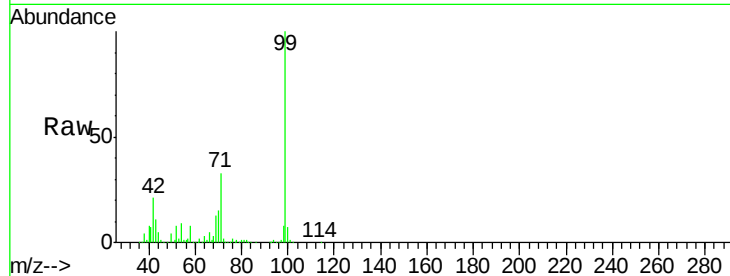


#5

2-Fluorophenol
Concen: 99.209 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF102908.D
Acq: 12 Feb 2018 9:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	47.9	71.9
63	32.2	23.7	35.5





#7

Phenol-d6

Concen: 96.413 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102908.D

Acq: 12 Feb 2018 9:41

Tot Ion:	99	Resp:	1545544
Ion	Ratio	Lower	Upper
99	100		
42	20.5	14.5	21.7
71	33.0	25.4	38.0

Instrument :

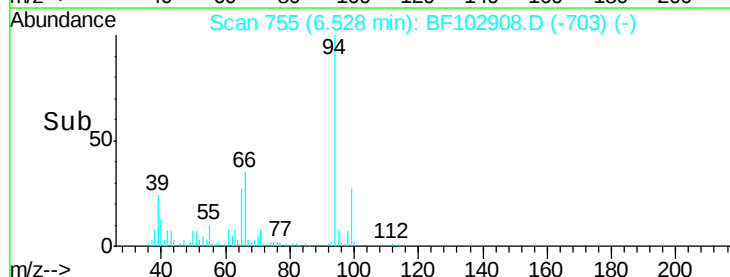
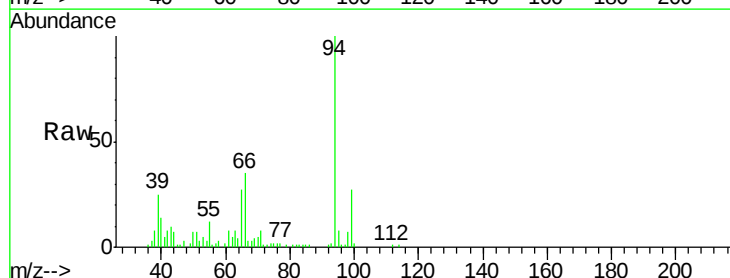
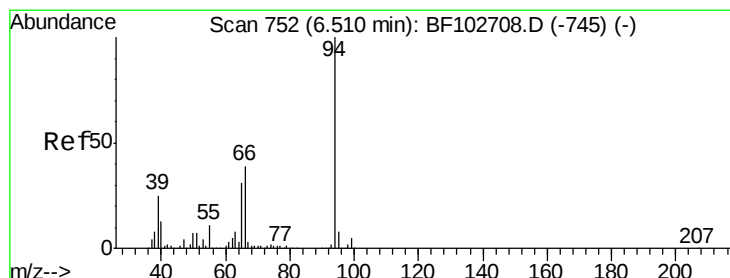
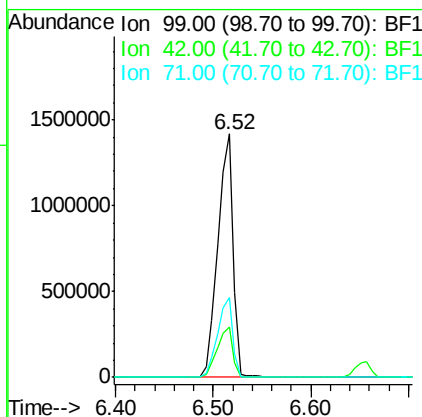
BNA_F

ClientSampleId :

TR-05-020718

Manual Integrations
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#10

Phenol

Concen: 3.365 ng

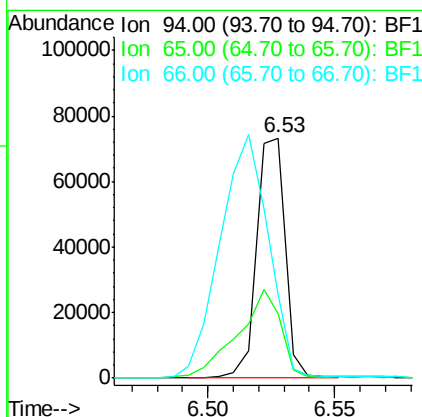
RT: 6.53 min Scan# 755

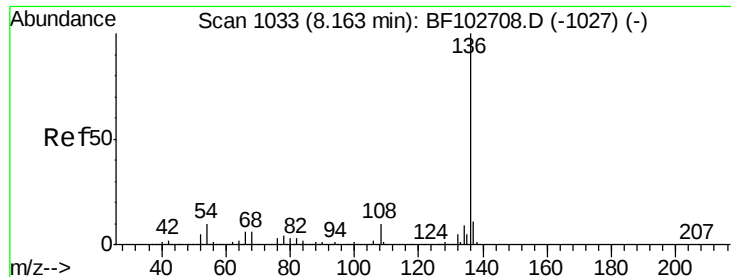
Delta R.T. 0.01 min

Lab File: BF102908.D

Acq: 12 Feb 2018 9:41

Tgt Ion:	94	Resp:	57815
Ion	Ratio	Lower	Upper
94	100		
65	26.8	7.9	47.9
66	34.6	16.2	56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF102908.D

Acq: 12 Feb 2018 9:41

Instrument :

BNA_F

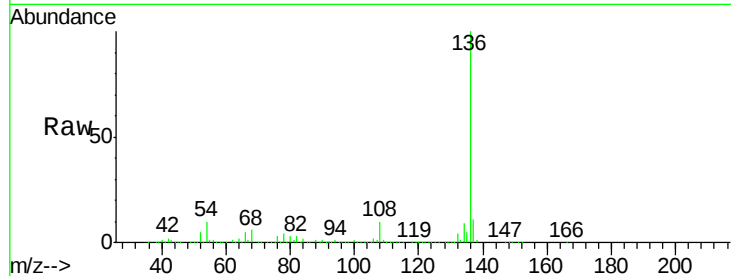
ClientSampleId :

TR-05-020718

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		799193		
137	10.7		8.9	13.3	
54	9.8		6.6	9.8	
68	6.4		5.0	7.4	

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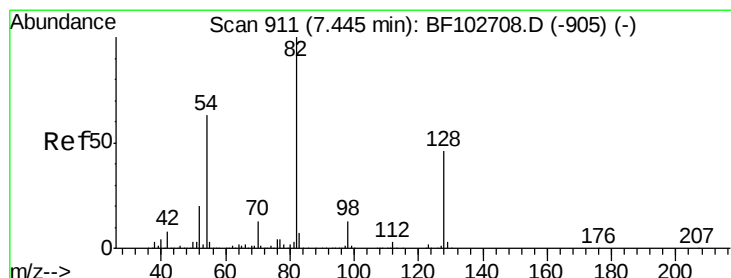
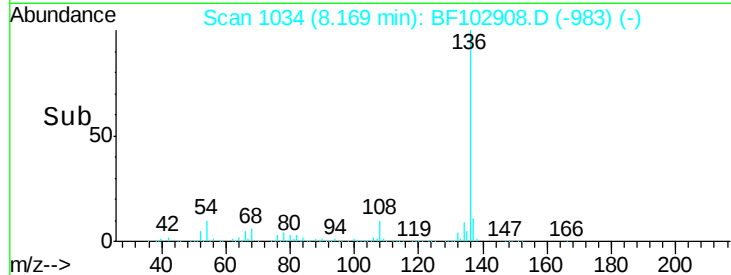
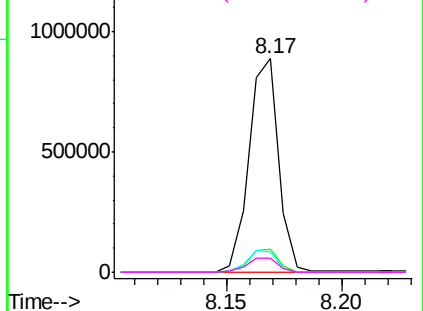


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 86.968 ng

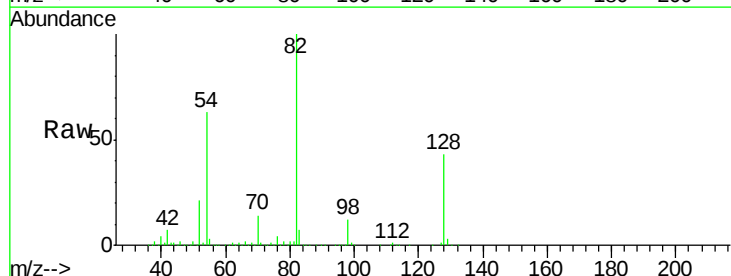
RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF102908.D

Acq: 12 Feb 2018 9:41

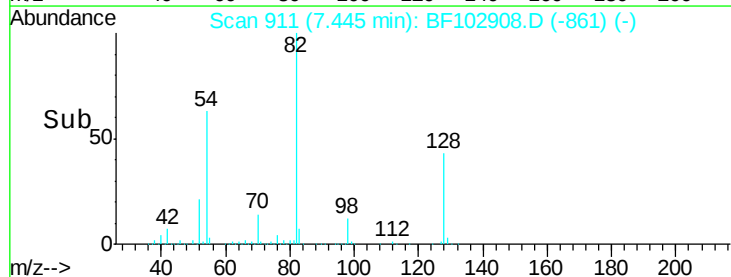
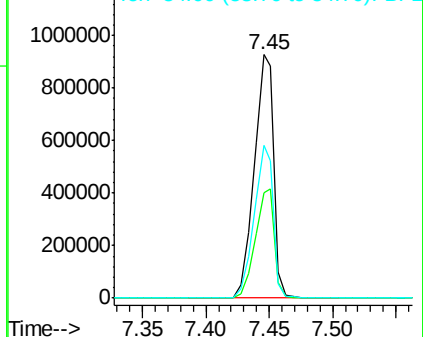
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		1001924		
128	43.4		36.1	54.1	
54	62.6		41.4	62.2#	

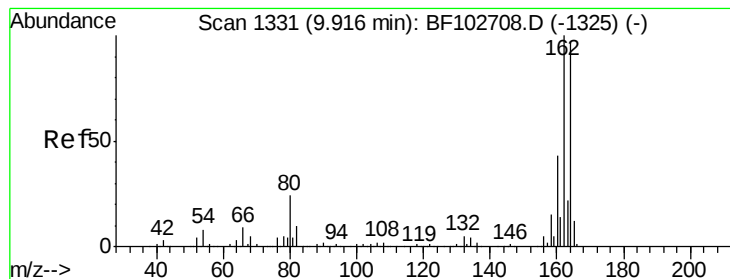


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.00 min

Lab File: BF102908.D

Acq: 12 Feb 2018 9:41

Instrument :

BNA_F

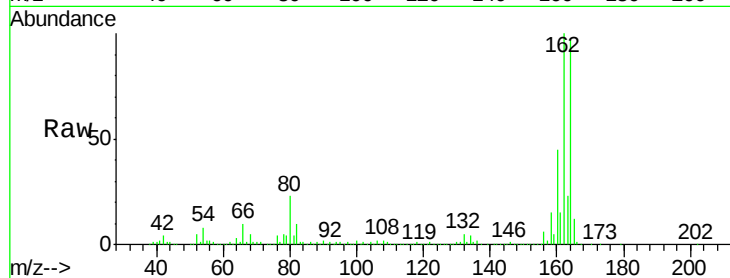
ClientSampleId :

TR-05-020718

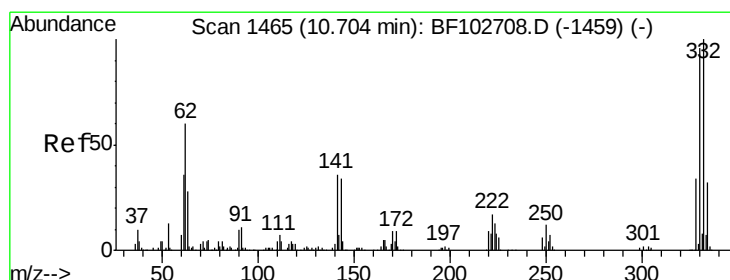
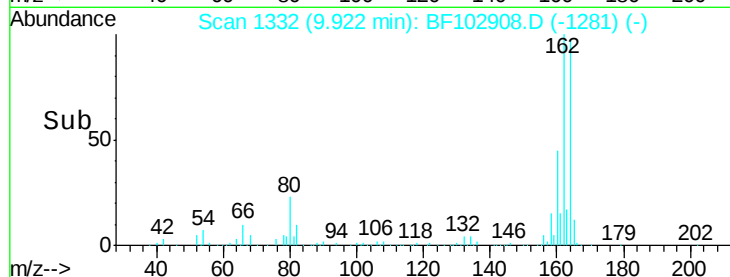
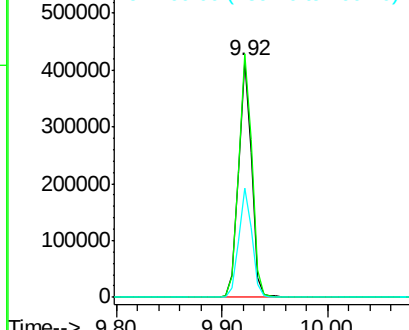
Tot Ion:	164	Resp:	346457
Ion Ratio	Lower	Upper	
164	100		
162	103.2	86.1	129.1
160	46.2	38.3	57.5

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



#41

2,4,6-Tribromophenol

Concen: 89.024 ng

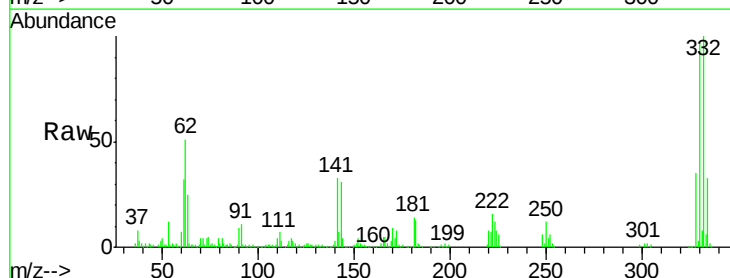
RT: 10.72 min Scan# 1467

Delta R.T. 0.01 min

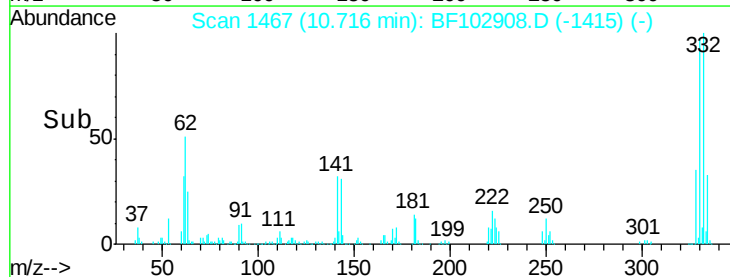
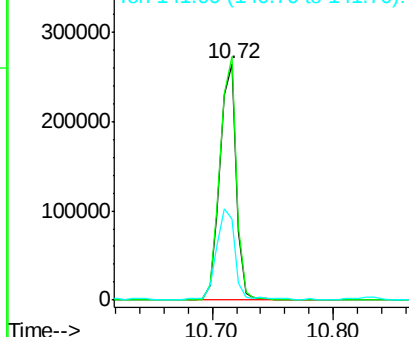
Lab File: BF102908.D

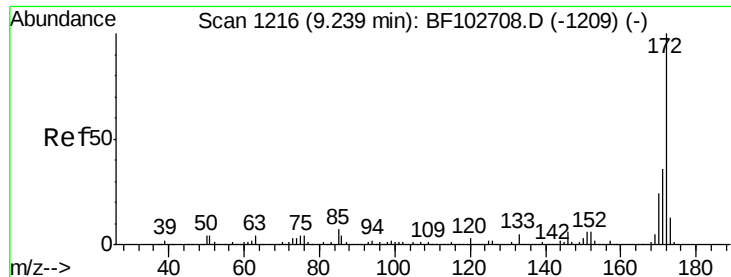
Acq: 12 Feb 2018 9:41

Tgt Ion:	330	Resp:	248249
Ion Ratio	Lower	Upper	
330	100		
332	103.1	77.0	115.6
141	42.2	29.9	44.9



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





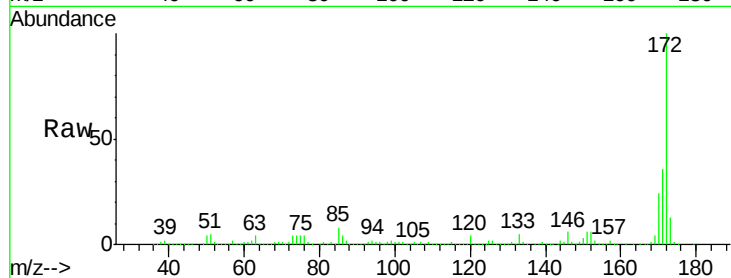
#44
2-Fluorobiphenyl
Concen: 62.663 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF102908.D
Acq: 12 Feb 2018 9:41

Instrument :
BNA_F
ClientSampleId :
TR-05-020718

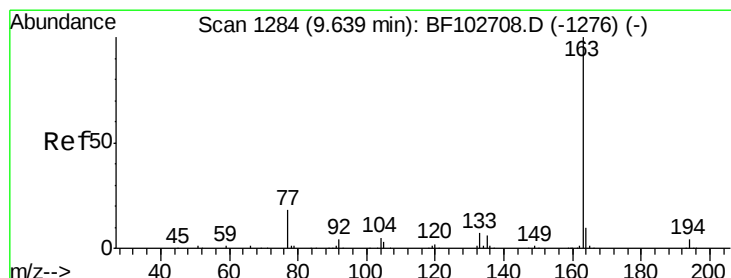
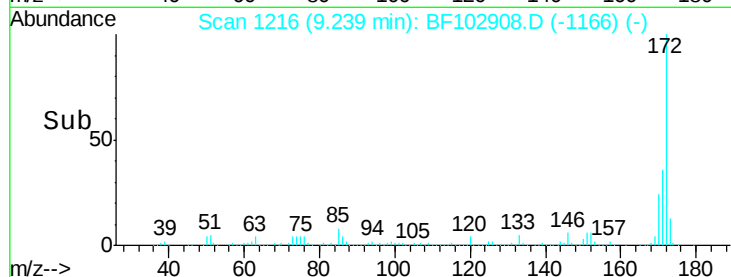
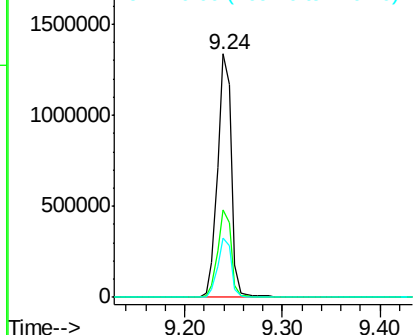
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.2	19.6	29.4

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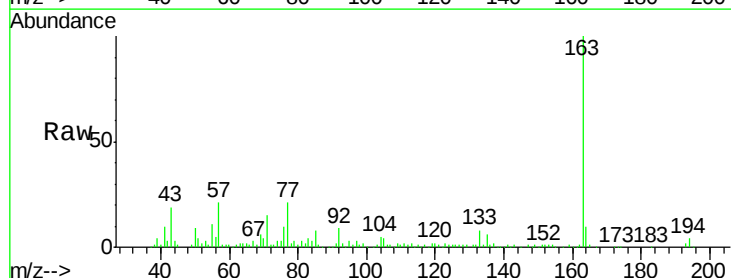


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

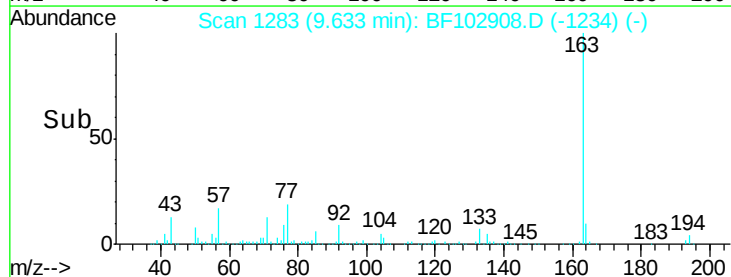
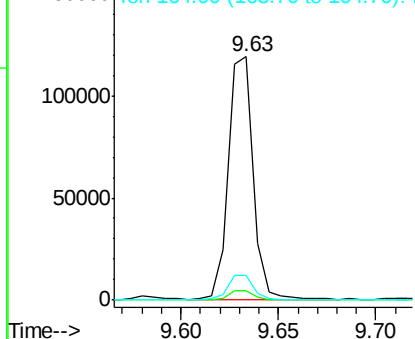


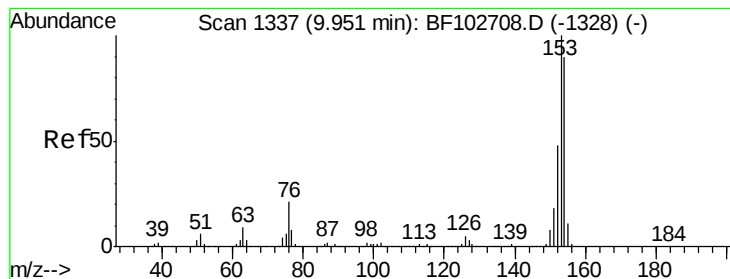
#49
Dimethylphthalate
Concen: 3.841 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF102908.D
Acq: 12 Feb 2018 9:41

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	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: 4.114 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF102908.D

Acq: 12 Feb 2018 9:41

Instrument :

BNA_F

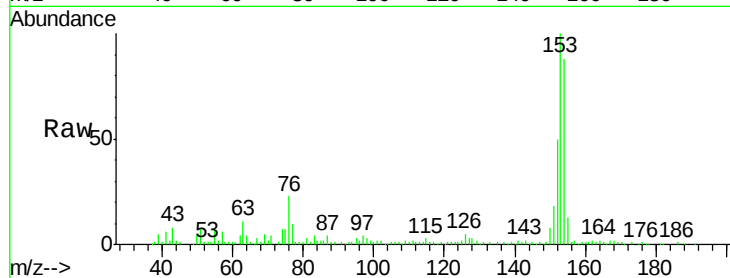
ClientSampled :

TR-05-020718

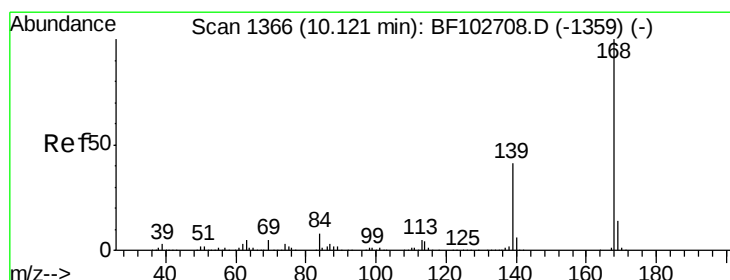
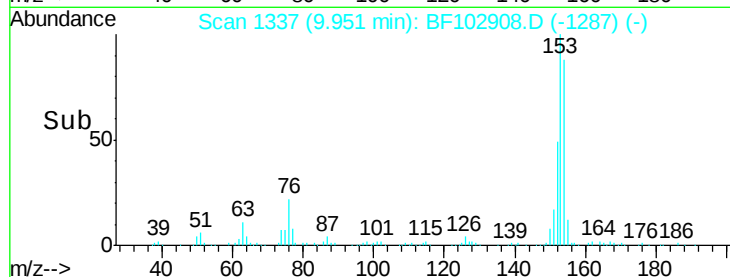
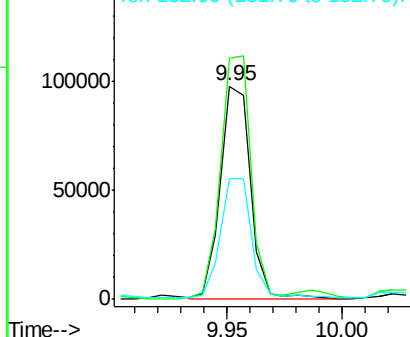
Tot Ion:	154	Resp:	87789
Ion Ratio	Lower	Upper	
154	100		
153	113.3	91.2	136.8
152	56.5	43.8	65.8

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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



#54

Dibenzofuran

Concen: 2.529 ng

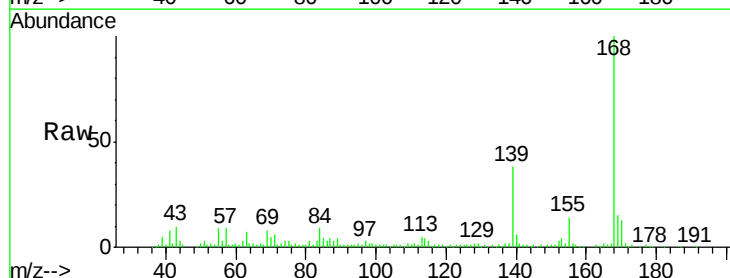
RT: 10.13 min Scan# 1367

Delta R.T. 0.00 min

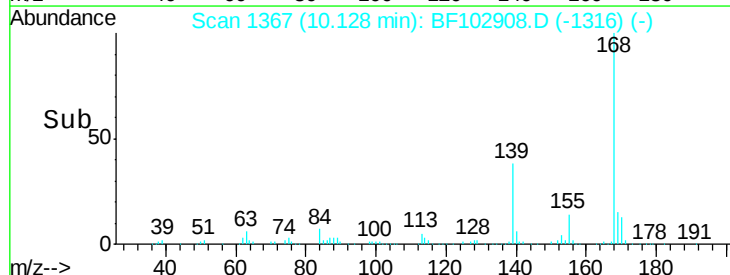
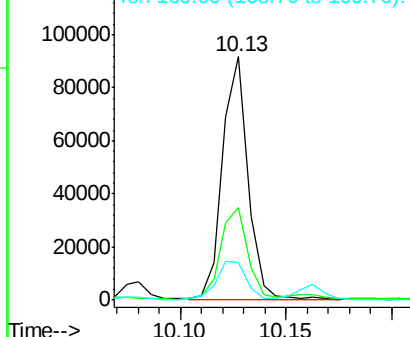
Lab File: BF102908.D

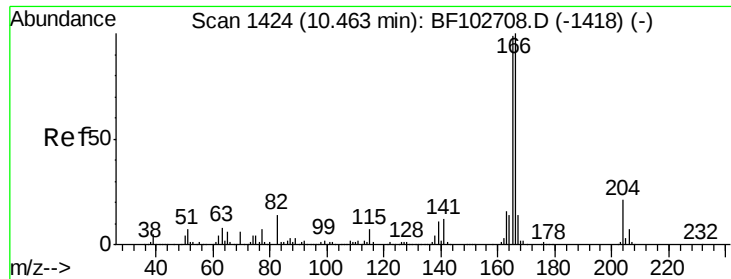
Acq: 12 Feb 2018 9:41

Tgt Ion:	168	Resp:	76056
Ion Ratio	Lower	Upper	
168	100		
139	38.2	30.1	45.1
169	15.2	10.9	16.3



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





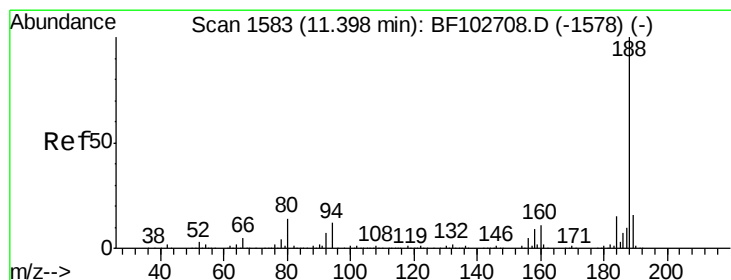
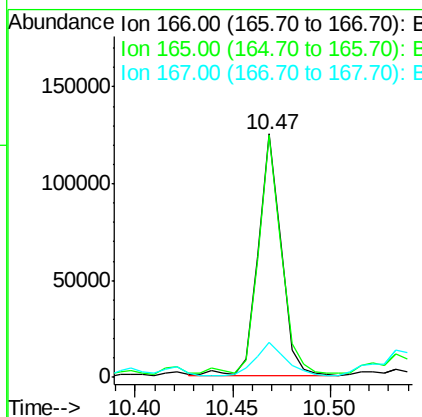
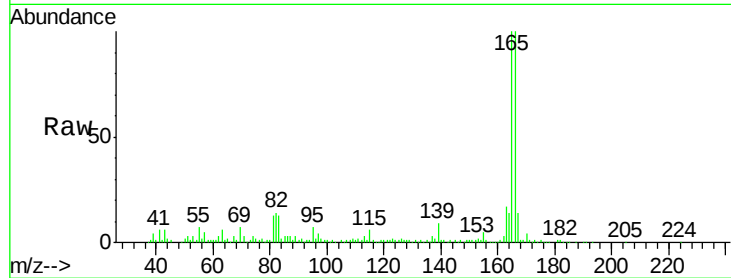
#57
Fluorene
 Concen: 4.611 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF102908.D
 Acq: 12 Feb 2018 9:41

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-020718

Tot Ion	Ratio	Resp	Lower	Upper
166	100	100887		
165	99.5	79.8	119.8	
167	14.4	10.6	16.0	

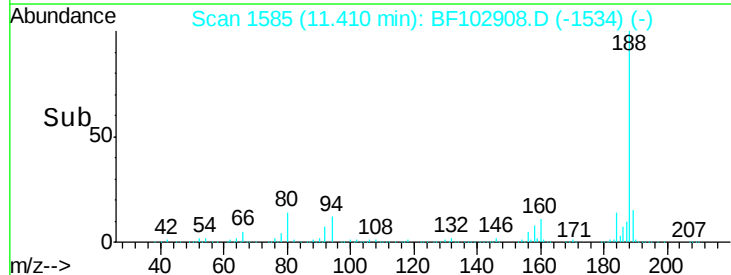
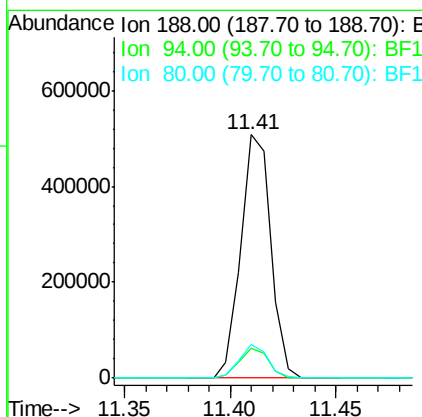
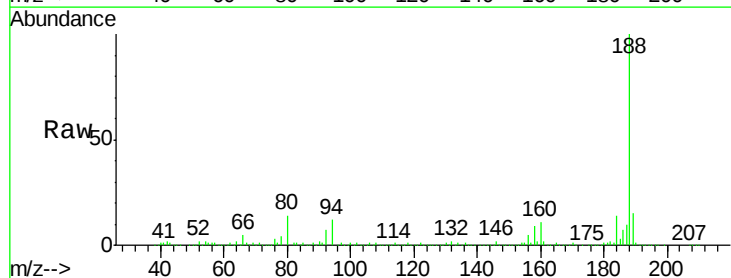
Manual Integrations
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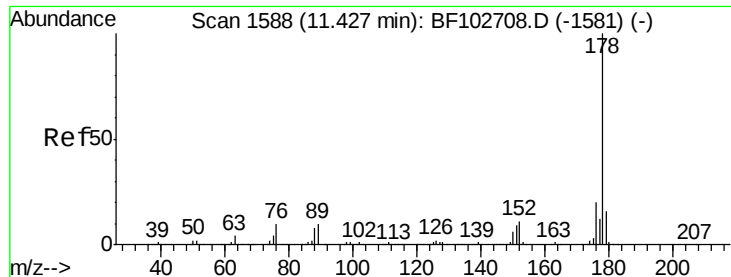
Sohil
 2/13/2018 11:25:06 AM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF102908.D
 Acq: 12 Feb 2018 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	501068		
94	12.5	8.5	12.7	
80	13.8	9.2	13.8#	





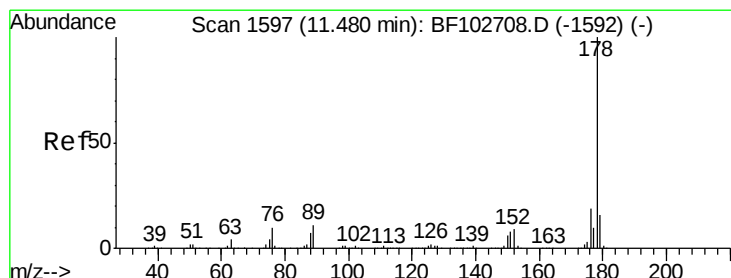
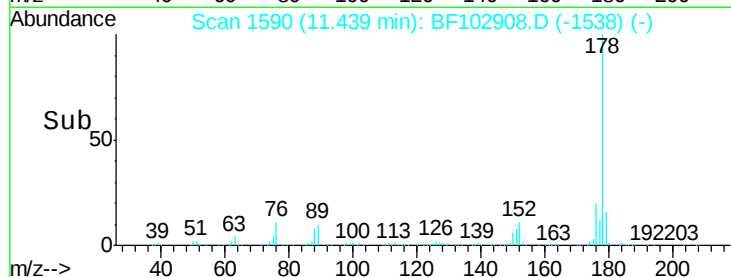
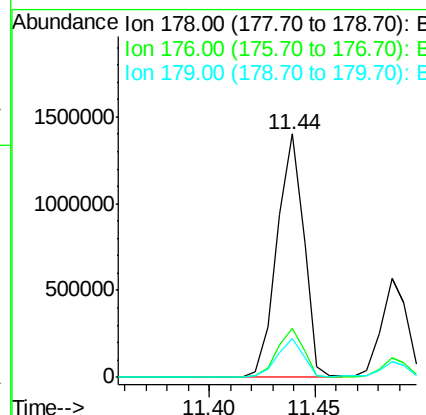
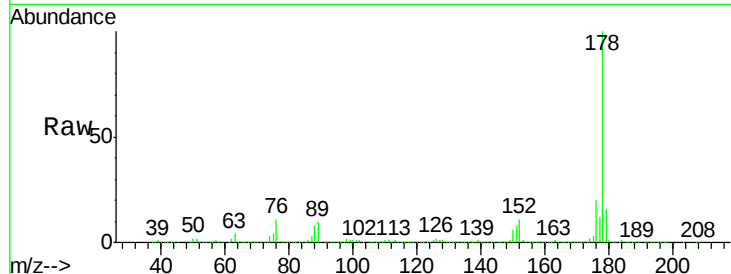
#70
Phenanthrene
Concen: 44.296 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.01 min
Lab File: BF102908.D
Acq: 12 Feb 2018 9:41

Instrument :
BNA_F
ClientSampleId :
TR-05-020718

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	16.1	13.0	19.6

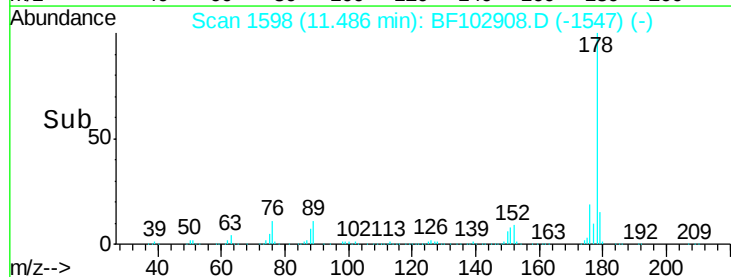
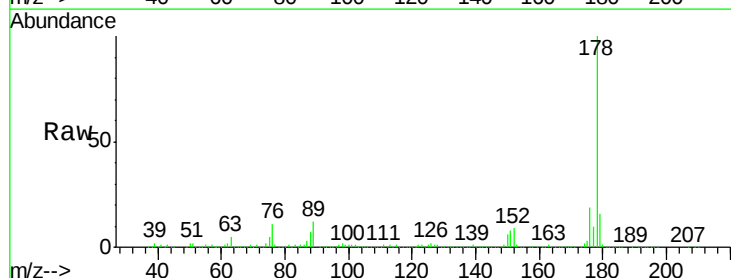
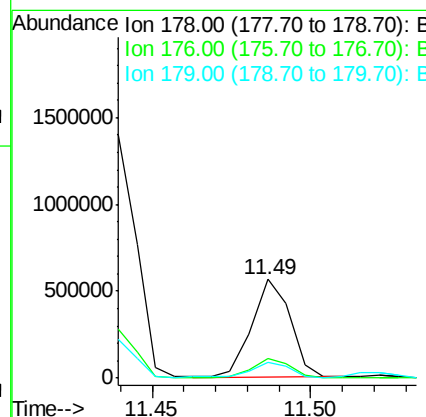
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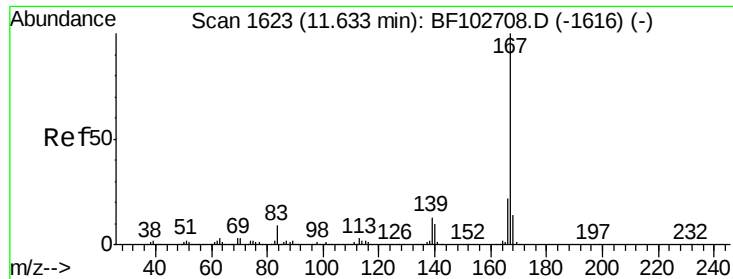
Sohil
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#71
Anthracene
Concen: 16.675 ng
RT: 11.49 min Scan# 1598
Delta R.T. 0.00 min
Lab File: BF102908.D
Acq: 12 Feb 2018 9:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.7	12.6	19.0





#72

Carbazole

Concen: 2.028 ng

RT: 11.64 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BF102908.D

Acq: 12 Feb 2018 9:41

Instrument :

BNA_F

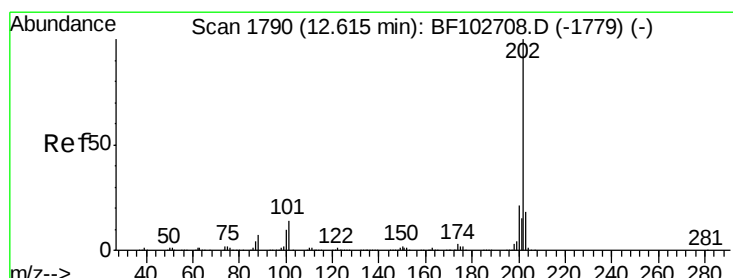
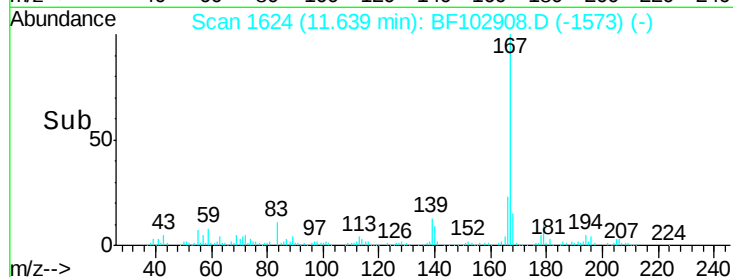
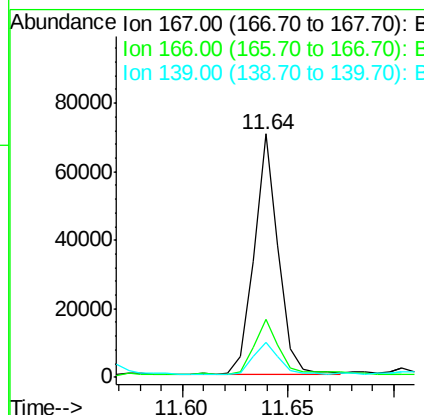
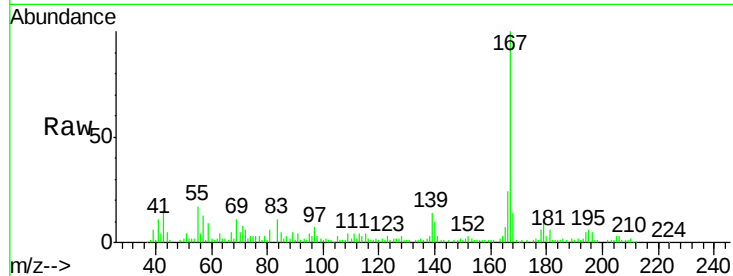
ClientSampleId :

TR-05-020718

Tot Ion:	167	Resp:	56399
Ion Ratio	Lower	Upper	
167	100		
166	23.6	17.6	26.4
139	14.1	10.9	16.3

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#74

Fluoranthene

Concen: 48.698 ng

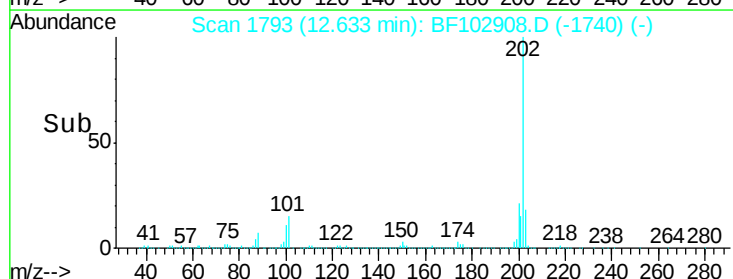
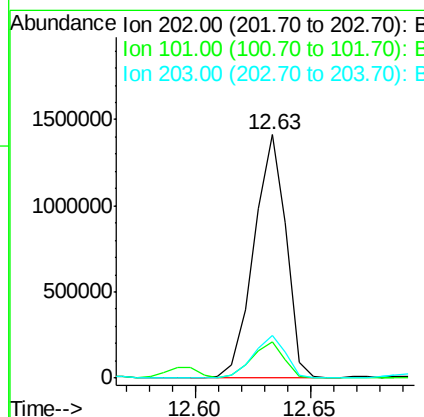
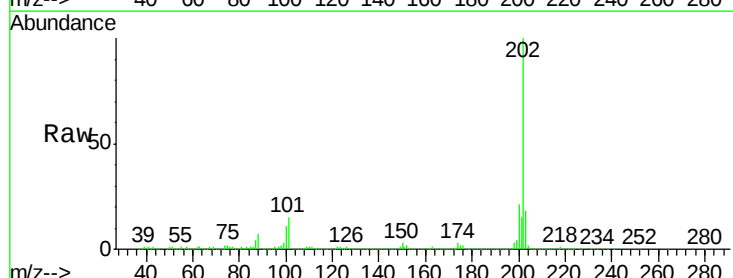
RT: 12.63 min Scan# 1793

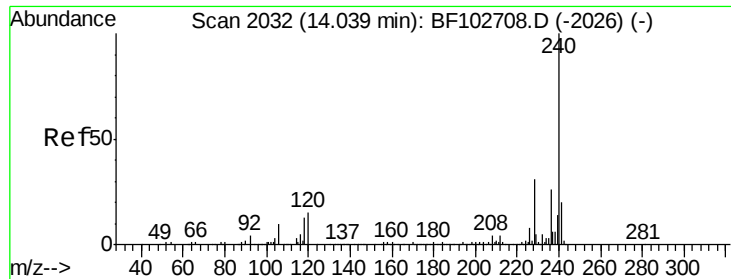
Delta R.T. 0.01 min

Lab File: BF102908.D

Acq: 12 Feb 2018 9:41

Tgt Ion:	202	Resp:	1367286
Ion Ratio	Lower	Upper	
202	100		
101	15.1	0.0	34.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF102908.D

Acq: 12 Feb 2018 9:41

Instrument :

BNA_F

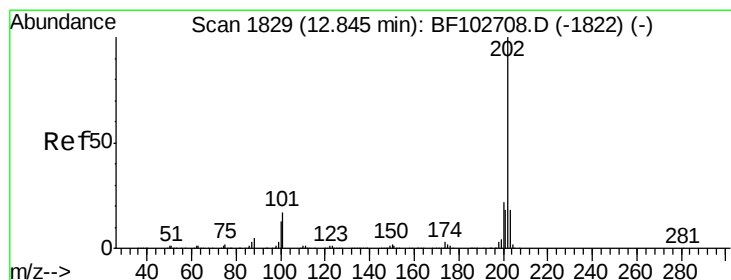
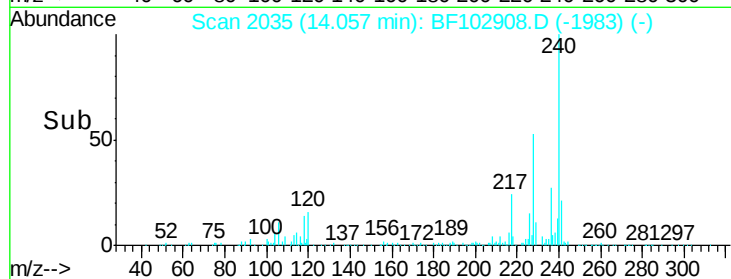
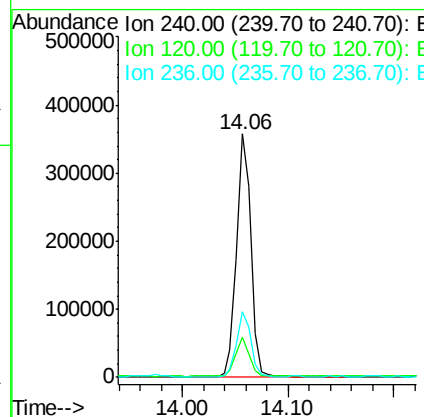
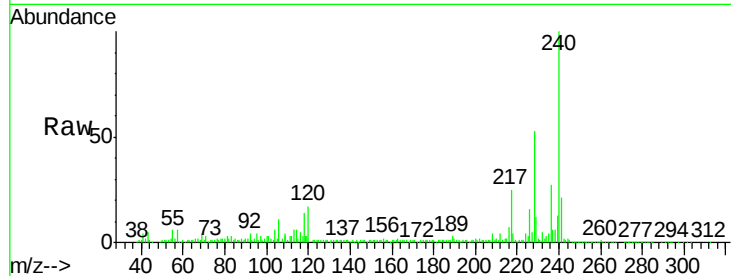
ClientSampleId :

TR-05-020718

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.6	9.5	14.3
236	27.2	20.7	31.1

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#77

Pyrene

Concen: 47.210 ng

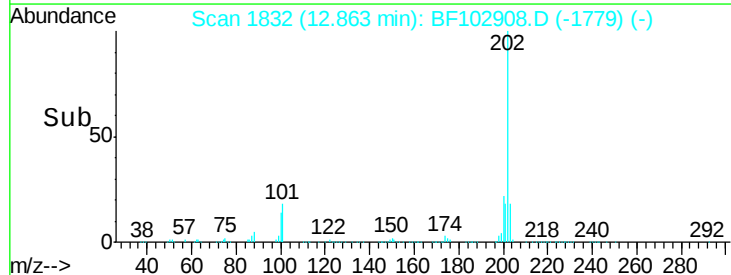
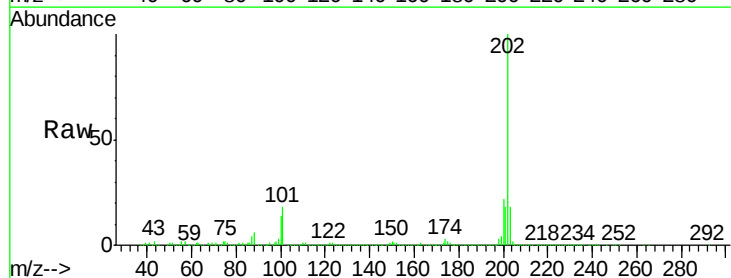
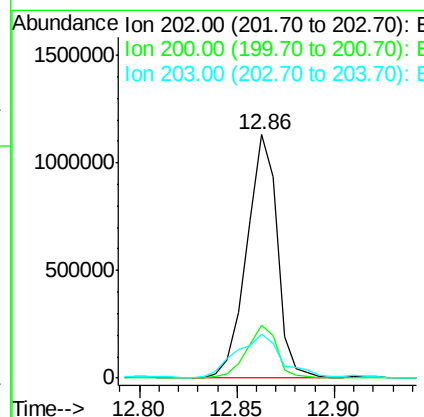
RT: 12.86 min Scan# 1832

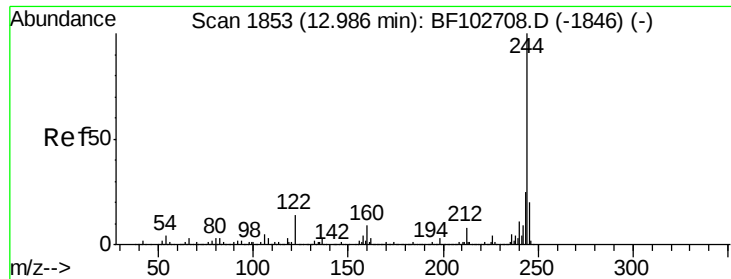
Delta R.T. 0.01 min

Lab File: BF102908.D

Acq: 12 Feb 2018 9:41

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	18.1	14.3	21.5





#78

Terphenyl-d14

Concen: 57.457 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF102908.D

Acq: 12 Feb 2018 9:41

Instrument :

BNA_F

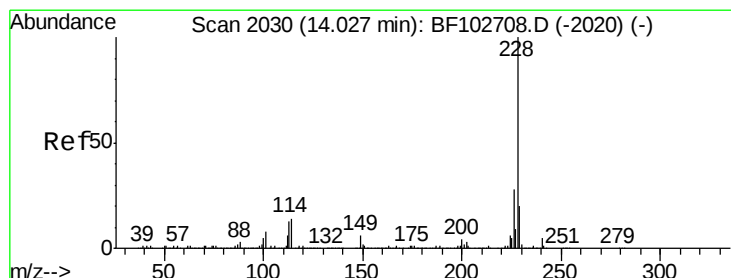
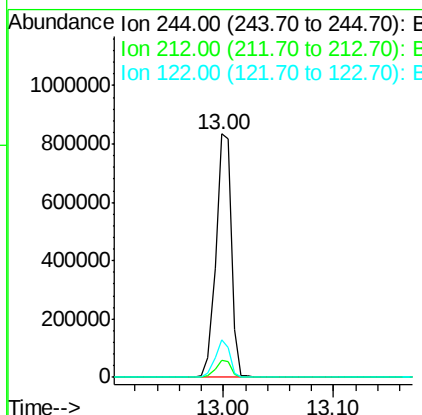
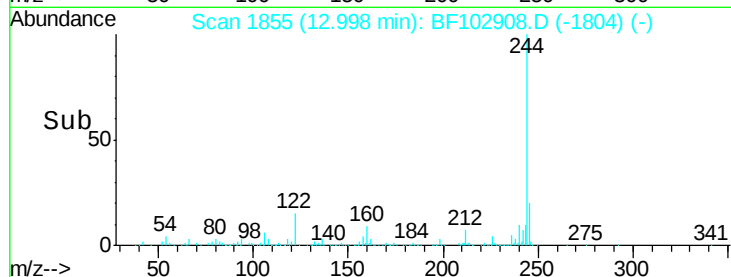
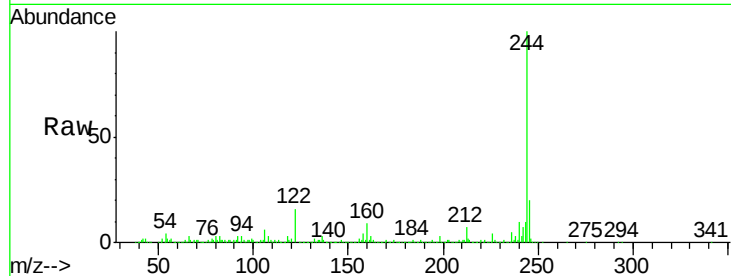
ClientSampled :

TR-05-020718

Tot Ion:	244	Resp:	806307
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	15.6	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 29.590 ng

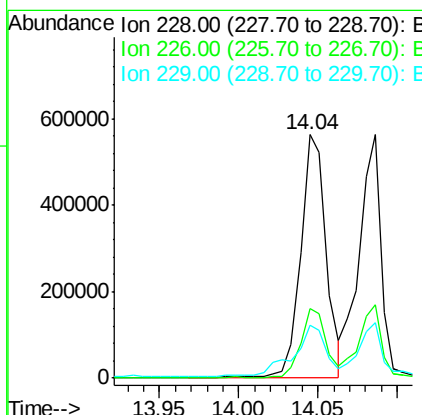
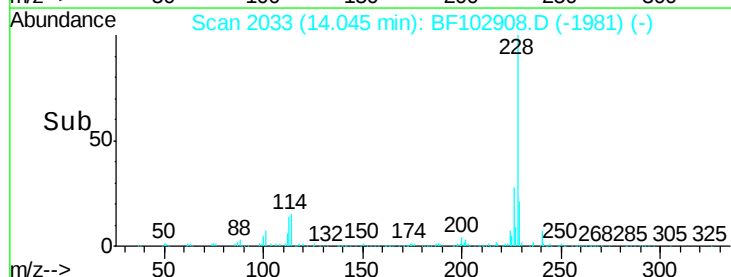
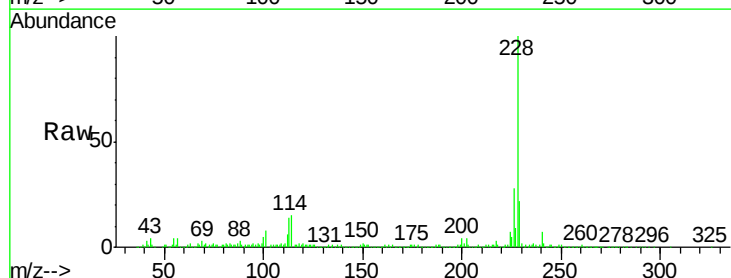
RT: 14.04 min Scan# 2033

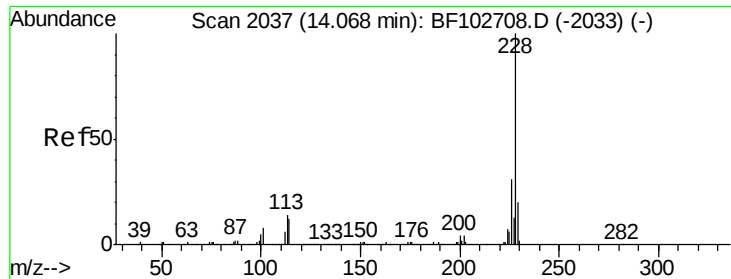
Delta R.T. 0.01 min

Lab File: BF102908.D

Acq: 12 Feb 2018 9:41

Tgt Ion:	228	Resp:	618340
Ion Ratio	Lower	Upper	
228	100		
226	28.4	22.6	33.8
229	21.7	15.8	23.6





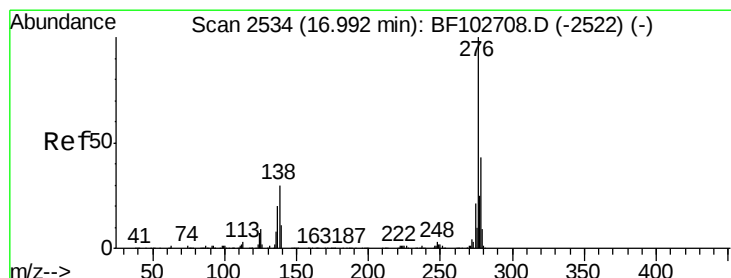
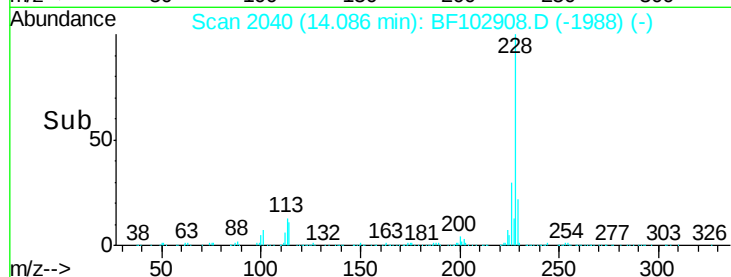
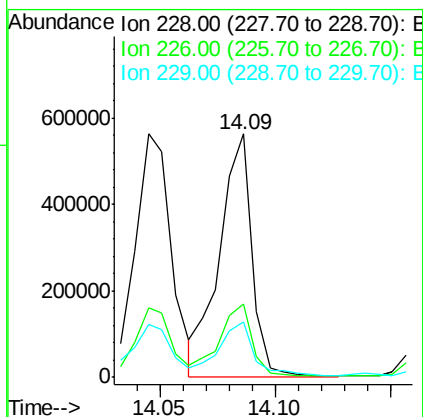
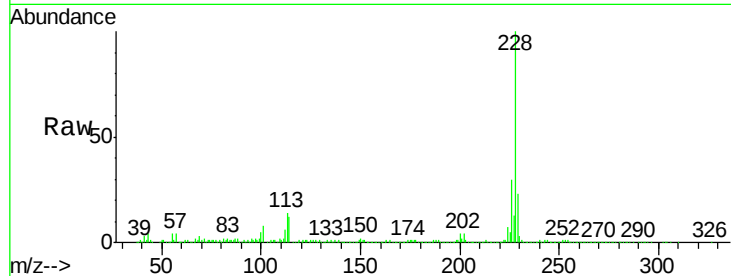
#82
Chrysene
Concen: 25.915 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.01 min
Lab File: BF102908.D
Acq: 12 Feb 2018 9:41

Instrument :
BNA_F
ClientSampleId :
TR-05-020718

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	22.6	16.2	24.4

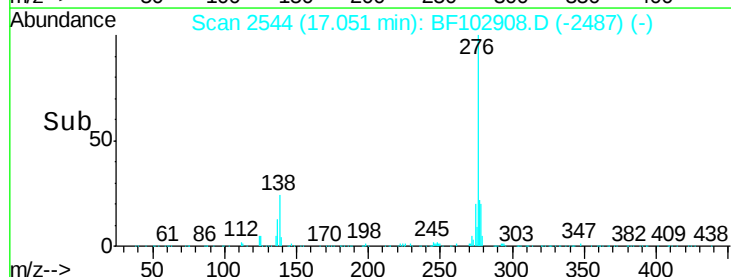
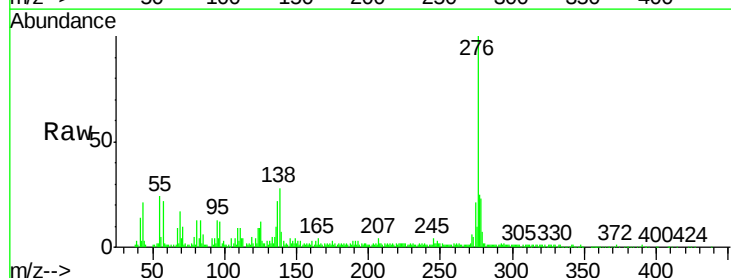
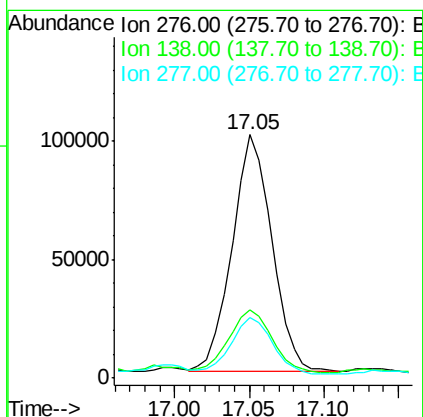
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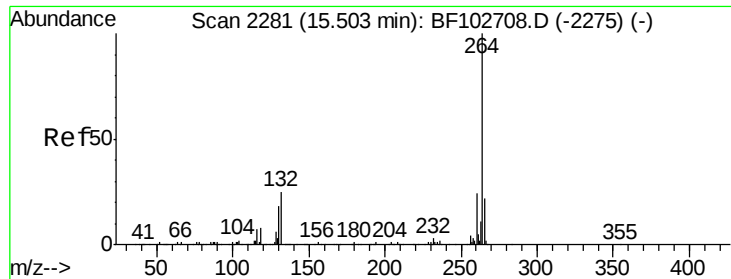
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 10.677 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.04 min
Lab File: BF102908.D
Acq: 12 Feb 2018 9:41

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.5	25.0	37.6
277	24.9	20.1	30.1





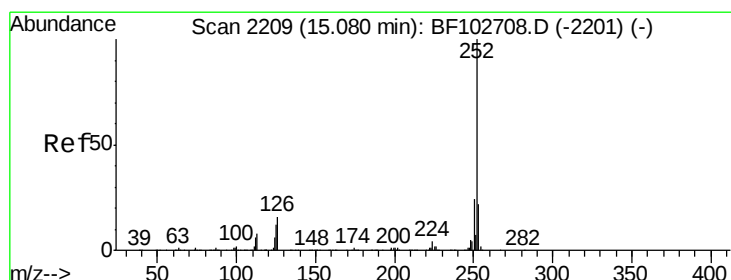
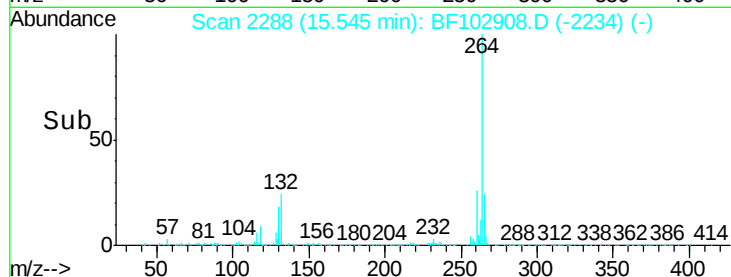
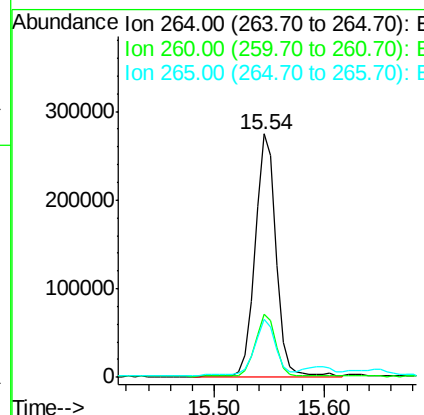
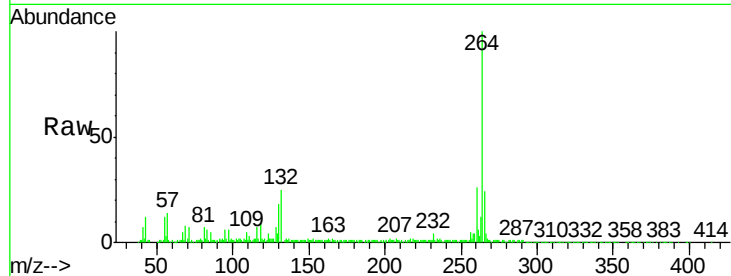
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.02 min
Lab File: BF102908.D
Acq: 12 Feb 2018 9:41

Instrument :
BNA_F
ClientSampleId :
TR-05-020718

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.1	19.2	28.8
265	24.0	17.5	26.3

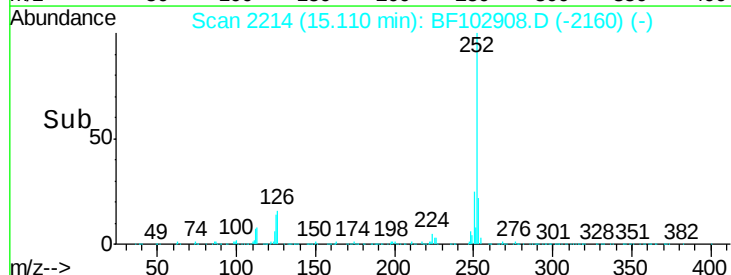
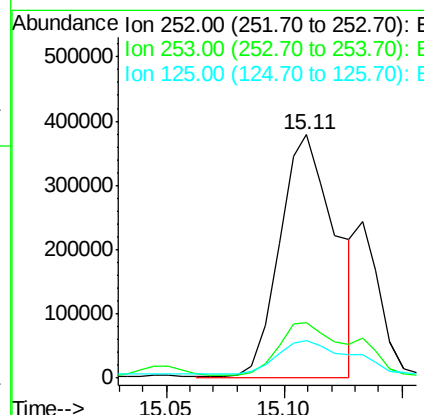
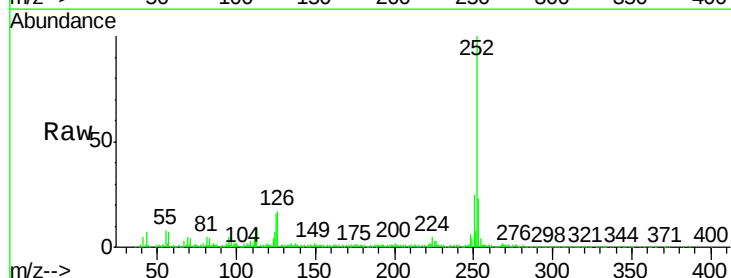
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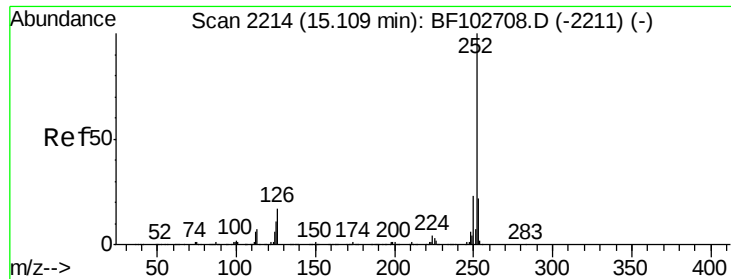
Sohil
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#87
Benzo(b)fluoranthene
Concen: 26.708 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.02 min
Lab File: BF102908.D
Acq: 12 Feb 2018 9:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	15.5	9.0	13.6





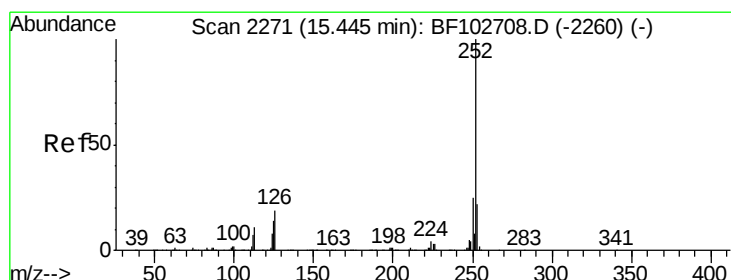
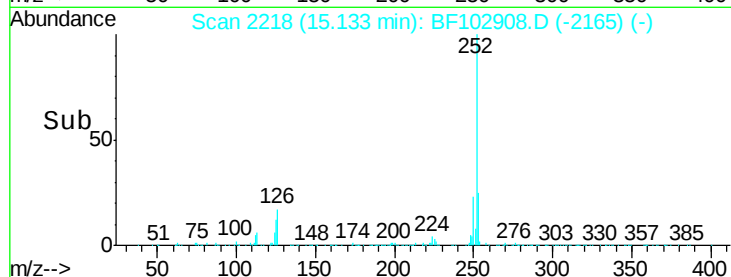
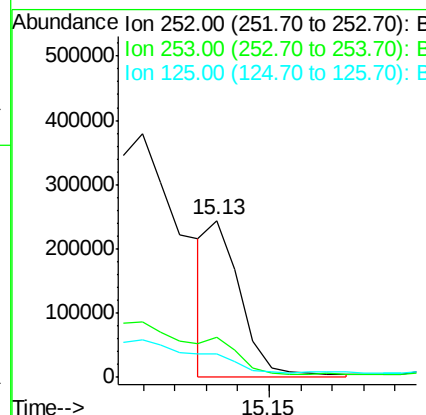
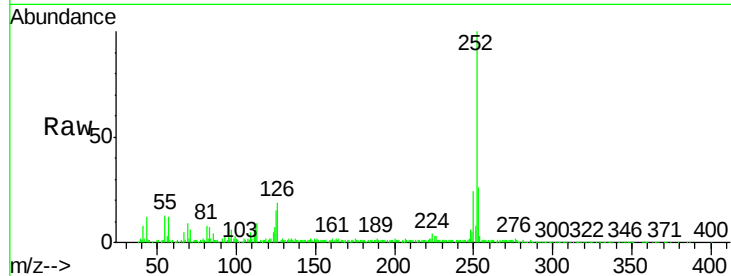
#88
Benzo(k)fluoranthene
Concen: 7.975 ng/mL
RT: 15.13 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BF102908.D
Acq: 12 Feb 2018 9:41

Instrument :
BNA_F
ClientSampleId :
TR-05-020718

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.9	26.9
125	14.8	10.2	15.2

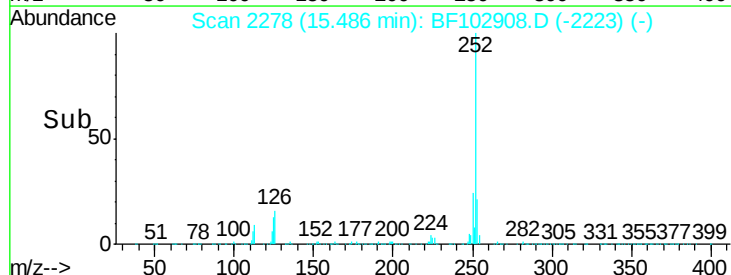
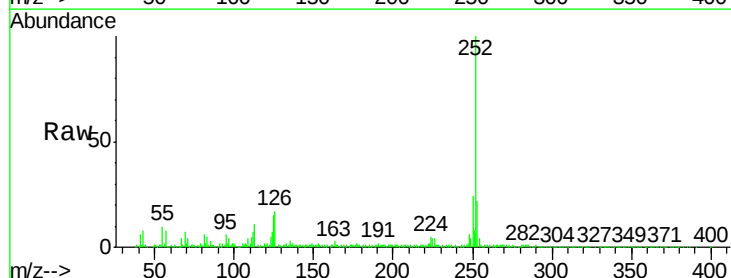
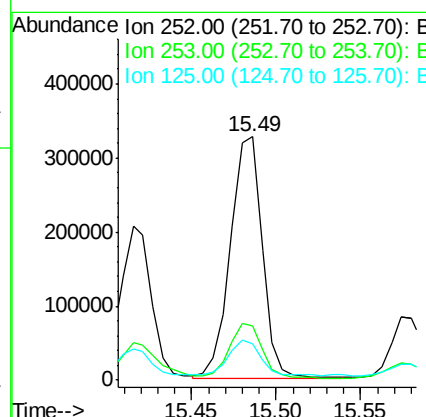
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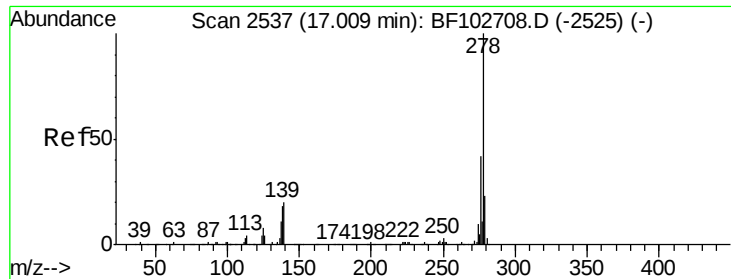
Sohil
2/13/2018 11:25:06 AM



#89
Benzo(a)pyrene
Concen: 20.207 ng/mL
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF102908.D
Acq: 12 Feb 2018 9:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	14.7	9.8	14.6





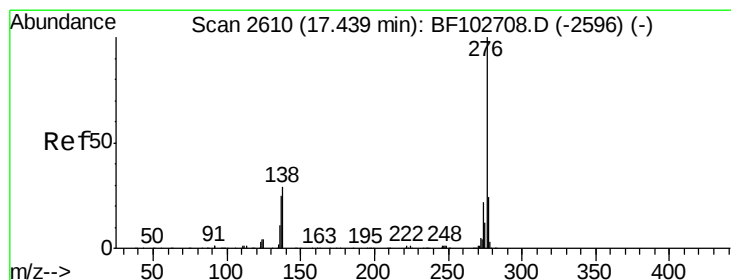
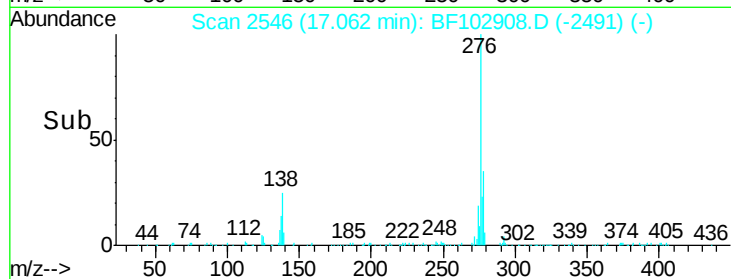
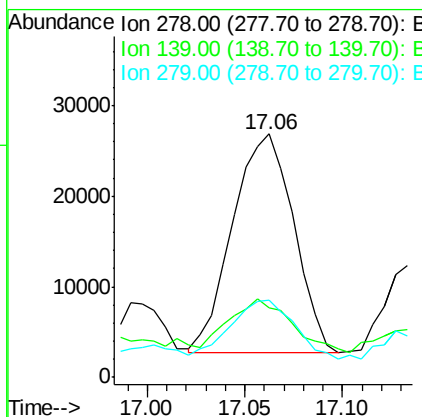
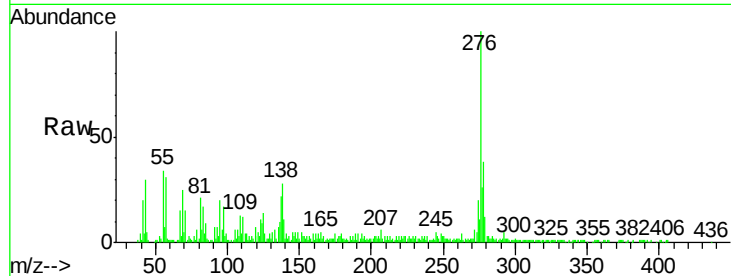
#90
Dibenzo(a,h)anthracene
Concen: 3.054 ng
RT: 17.06 min Scan# 2546
Delta R.T. 0.02 min
Lab File: BF102908.D
Acq: 12 Feb 2018 9:41

Instrument :
BNA_F
ClientSampleId :
TR-05-020718

Tot Ion	Ratio	Lower	Upper
278	100		
139	28.5	15.9	23.9#
279	31.9	19.0	28.4#

Manual Integrations
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2/13/2018 11:25:06 AM



#91
Benzo(g,h,i)perylene
Concen: 10.151 ng
RT: 17.51 min Scan# 2622
Delta R.T. 0.04 min
Lab File: BF102908.D
Acq: 12 Feb 2018 9:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	30.7	21.8	32.8

