

Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
 Data File : BF101919.D
 Acq On : 5 Jan 2018 10:32
 Operator : SJ/JU
 Sample : J1033-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3(5)

Manual Integrations
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Sohil
 1/8/2018 4:21:34 PM

Quant Time: Jan 05 12:39:20 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 04 14:22:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	137027	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	543221	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	212394	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	314415	20.00	ng	0.00
75) Chrysene-d12	13.96	240	250840	20.00	ng	0.00
86) Perylene-d12	15.43	264	279171	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	903624	98.23	ng	0.00
7) Phenol-d6	6.43	99	1114309	97.33	ng	0.00
23) Nitrobenzene-d5	7.35	82	709248	72.68	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	125254	61.20	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	962764	70.32	ng	0.00
78) Terphenyl-d14	12.88	244	635807	61.11	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.07	128	66312	2.425	ng	98
49) Dimethylphthalate	9.53	163	116325	6.809	ng	100
51) Acenaphthene	9.84	154	35936	2.628	ng	96
54) Dibenzofuran	10.02	168	39585	2.278	ng	99
57) Fluorene	10.36	166	36812	2.504	ng	98
70) Phenanthrene	11.33	178	494862	28.302	ng	99
71) Anthracene	11.38	178	113266	6.342	ng	96
72) Carbazole	11.55	167	44374	2.654	ng	98
74) Fluoranthene	12.52	202	621515	33.864	ng	98
77) Pyrene	12.75	202	634593	33.709	ng	100
80) Benzo(a)anthracene	13.94	228	334636	20.203	ng	96
82) Chrysene	13.98	228	315567	20.178	ng	99
83) Bis(2-ethylhexyl)phthalate	13.89	149	83422	7.732	ng	# 100
85) Indeno(1,2,3-cd)pyrene	16.93	276	172852	12.412	ng	# 90
87) Benzo(b)fluoranthene	15.00	252	414303m	24.348	ng	
88) Benzo(k)fluoranthene	15.03	252	116239m	7.026	ng	
89) Benzo(a)pyrene	15.37	252	307355	19.594	ng	97
90) Dibenzo(a,h)anthracene	16.91	278	52304	3.884	ng	# 89
91) Benzo(a,h,i)perylene	17.37	276	165263	12.392	ng	95

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

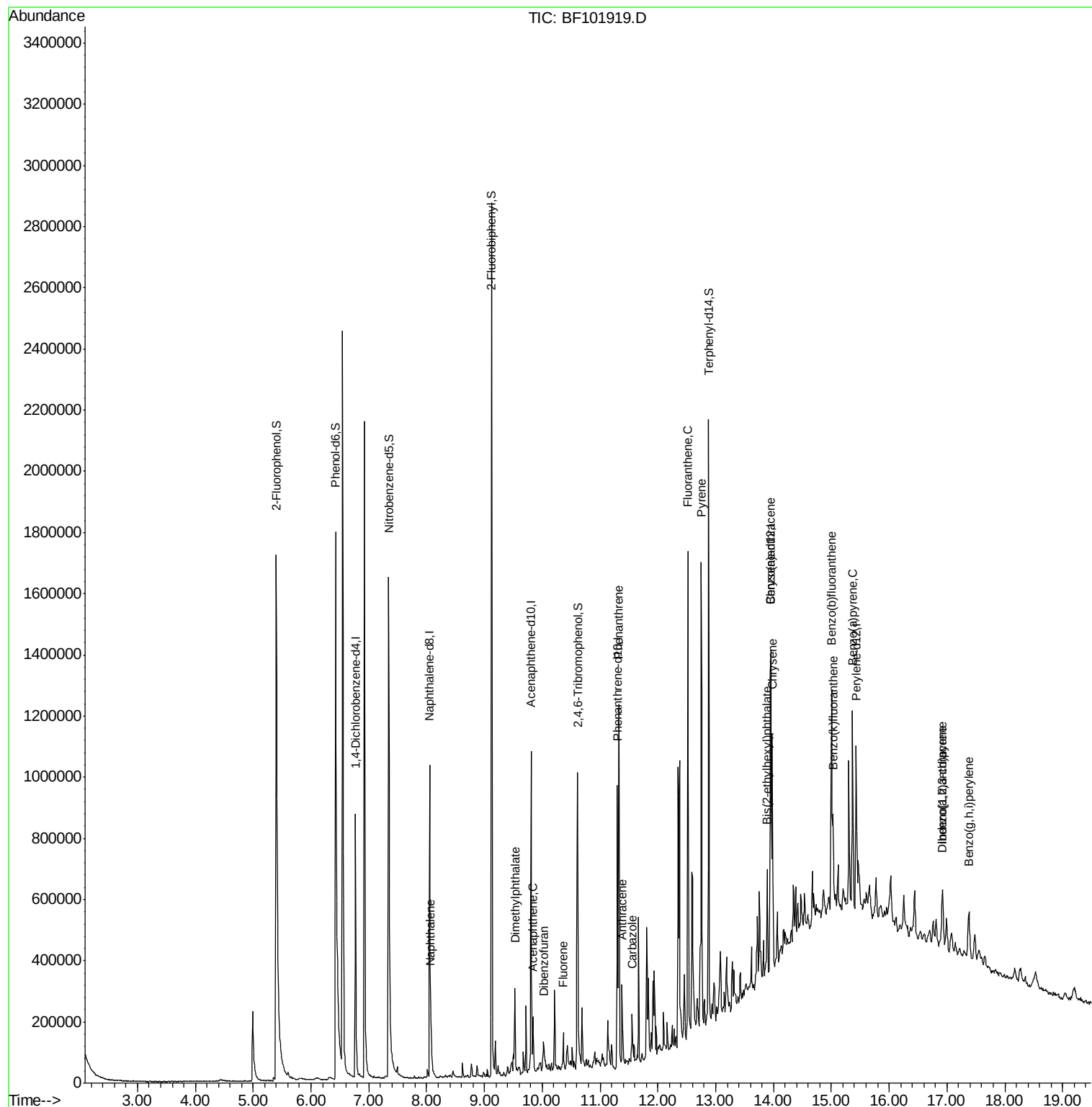
Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
Data File : BF101919.D
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ALS Vial : 4 Sample Multiplier: 1

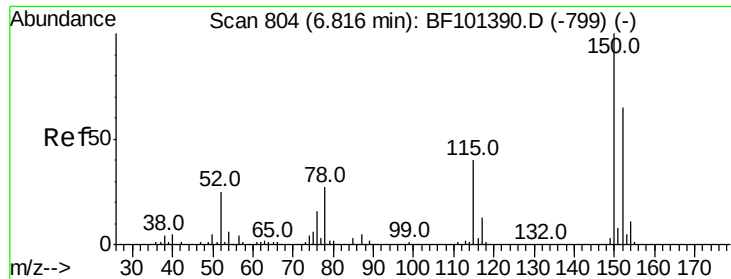
Instrument :
BNA_F
ClientSampleId :
B-3(5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

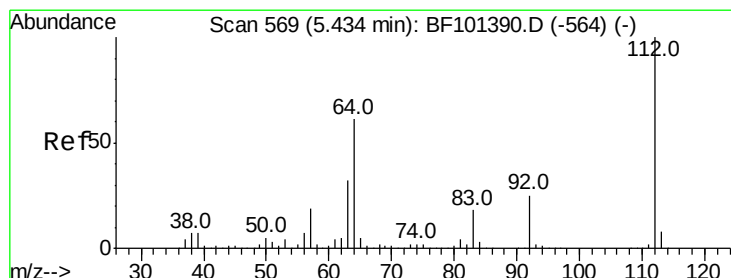
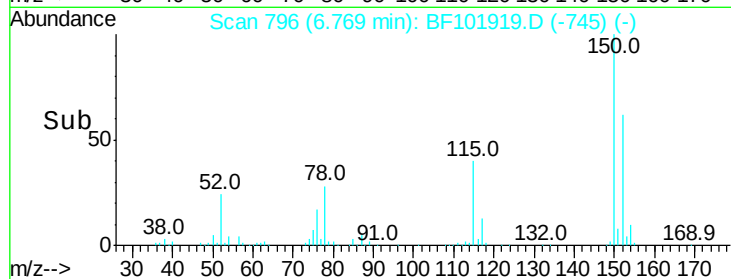
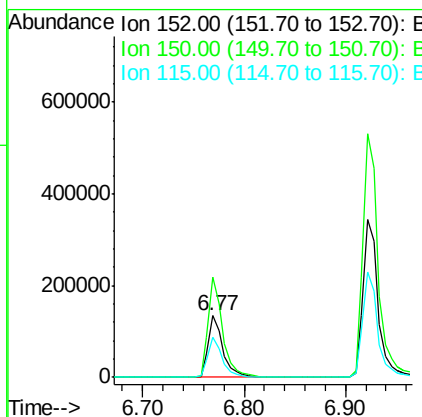
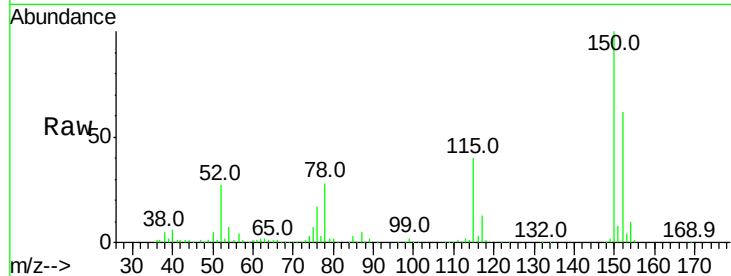
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF101919.D
Acq: 5 Jan 2018 10:32

Instrument :
BNA_F
ClientSampleId :
B-3(5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.3	124.6	186.8
115	65.3	50.1	75.1

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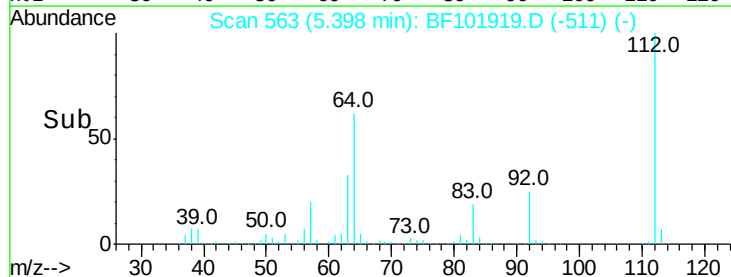
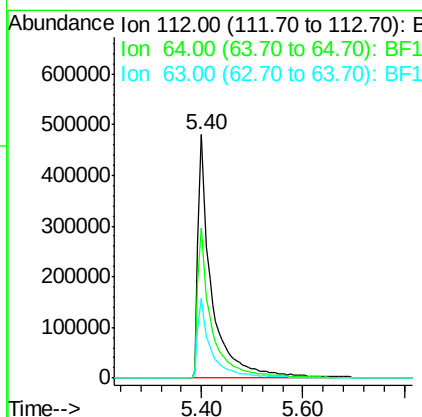
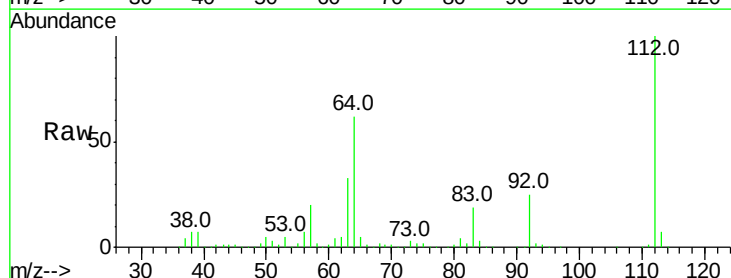
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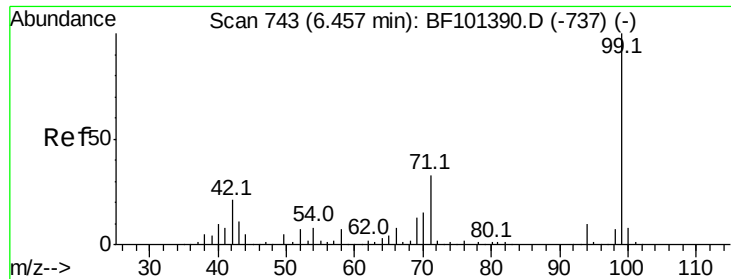


#5

2-Fluorophenol
Concen: 98.230 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.01 min
Lab File: BF101919.D
Acq: 5 Jan 2018 10:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.7	47.9	71.9
63	32.7	23.7	35.5





#7

Phenol-d6

Concen: 97.332 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BF101919.D

Acq: 5 Jan 2018 10:32

Instrument :

BNA_F

ClientSampled :

B-3(5)

Tot Ion: 99 Resp: 1114309

Ion Ratio Lower Upper

99 100

42 20.7 14.5 21.7

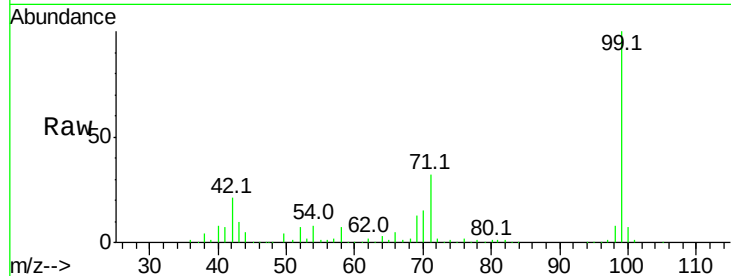
71 32.4 25.4 38.0

Manual Integrations

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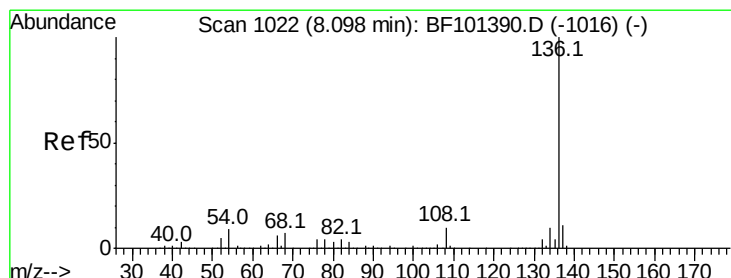
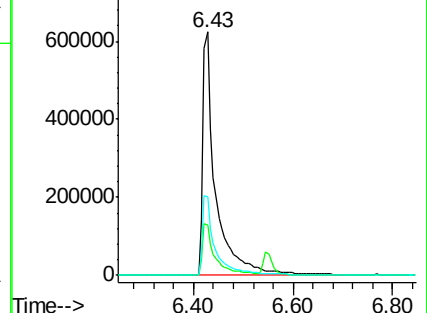
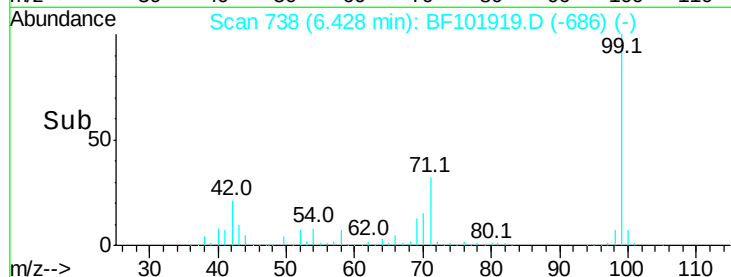
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF101919.D

Acq: 5 Jan 2018 10:32

Tgt Ion: 136 Resp: 543221

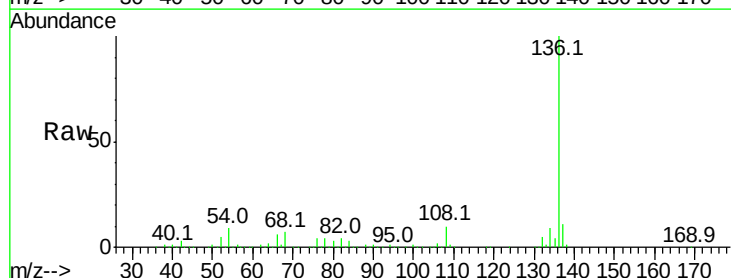
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.4 6.6 9.8

68 6.9 5.0 7.4

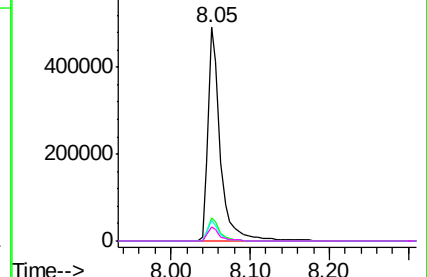
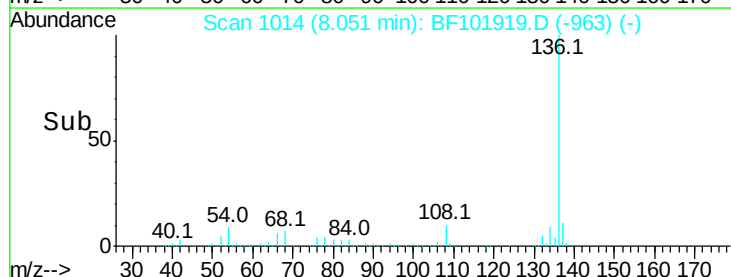


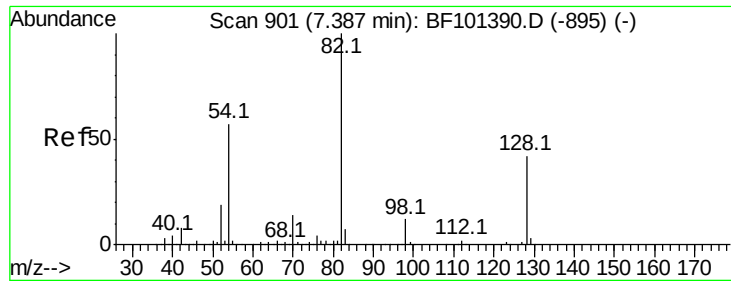
Abundance Ion 136.00 (135.70 to 136.70): E

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





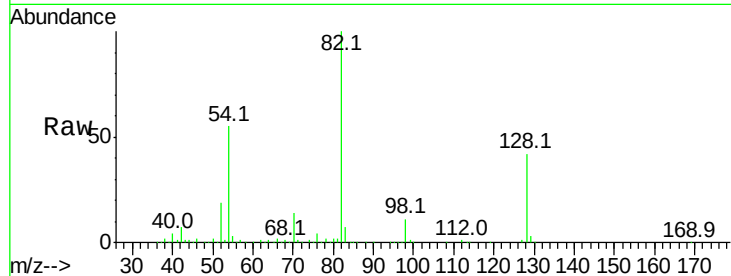
#23
Nitrobenzene-d5
Concen: 72.679 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.00 min
Lab File: BF101919.D
Acq: 5 Jan 2018 10:32

Instrument :
BNA_F
ClientSampleId :
B-3(5)

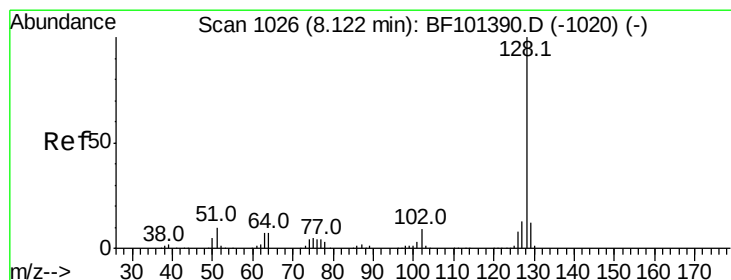
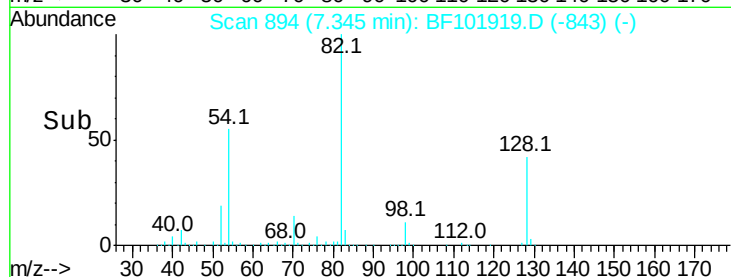
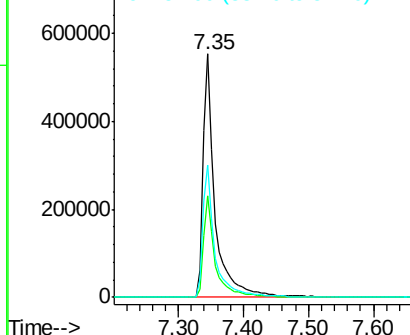
Tot Ion	82	Resp	709248
Ion Ratio	100	Lower	Upper
128	41.7	36.1	54.1
54	54.6	41.4	62.2

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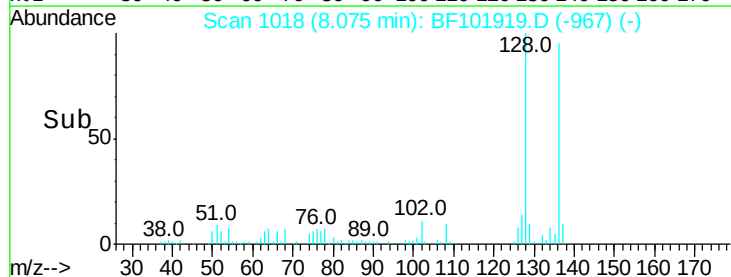
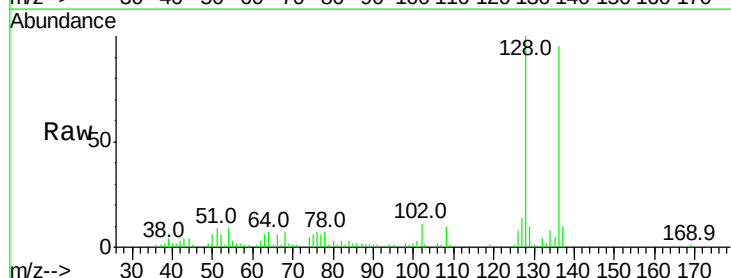
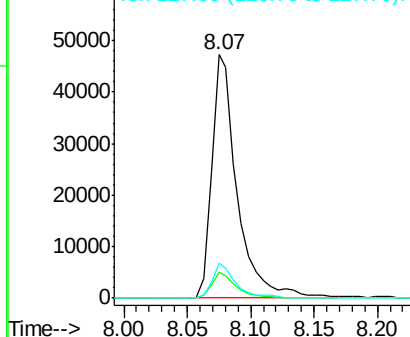
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

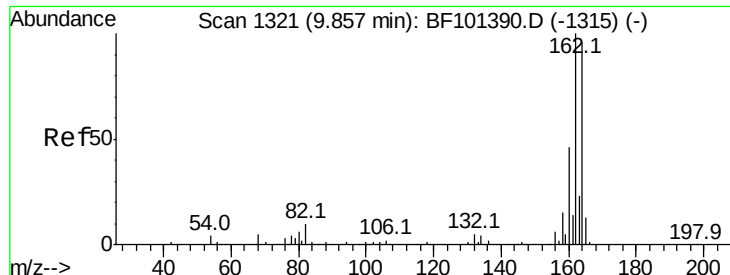


#31
Naphthalene
Concen: 2.425 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF101919.D
Acq: 5 Jan 2018 10:32

Tgt Ion	128	Resp	66312
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
129	10.5	8.8	13.2
127	14.4	10.9	16.3

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





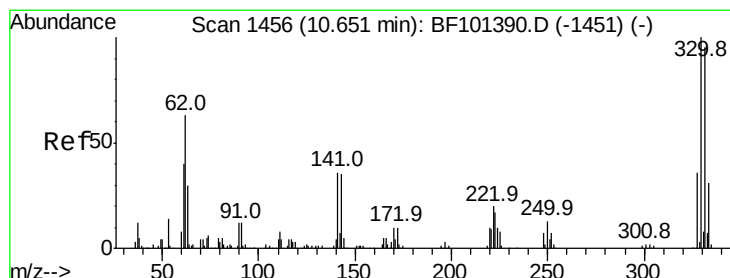
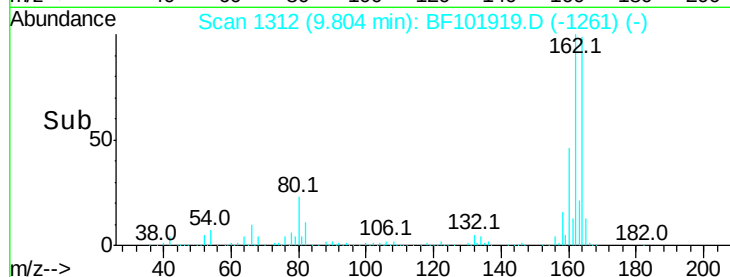
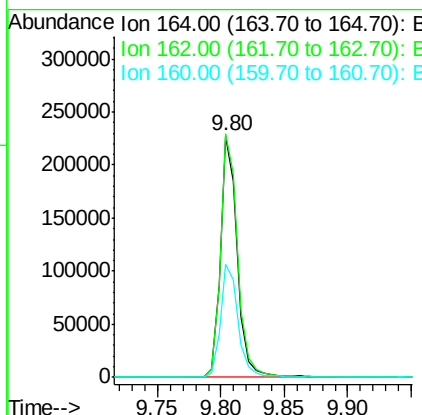
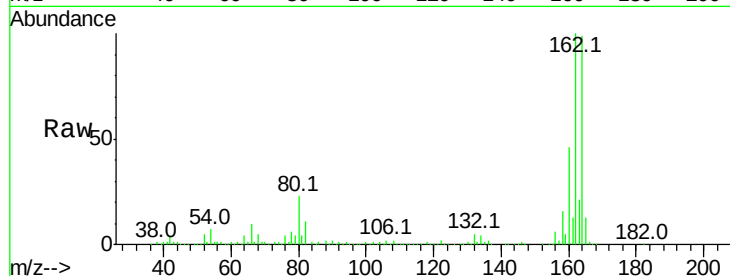
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. 0.00 min
 Lab File: BF101919.D
 Acq: 5 Jan 2018 10:32

Instrument :
 BNA_F
 ClientSampleId :
 B-3(5)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	212394		
162	101.0	86.1	129.1	
160	47.0	38.3	57.5	

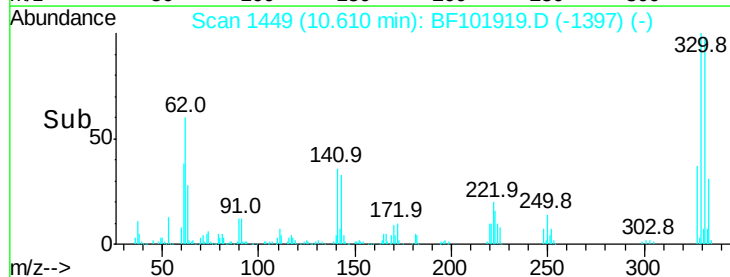
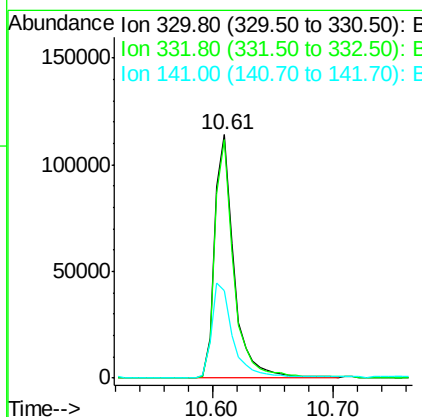
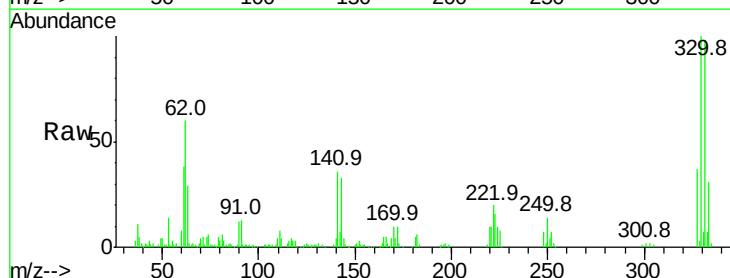
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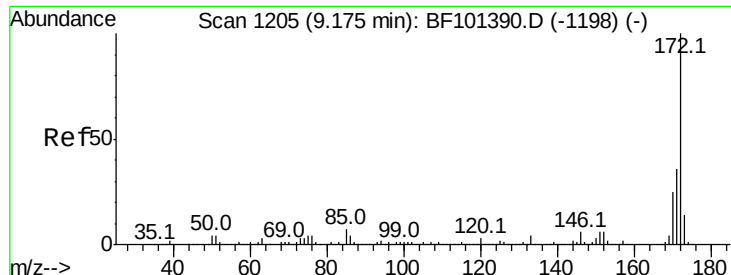
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#41
 2,4,6-Tribromophenol
 Concen: 61.202 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. 0.01 min
 Lab File: BF101919.D
 Acq: 5 Jan 2018 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	125254		
332	96.8	77.0	115.6	
141	41.8	29.9	44.9	





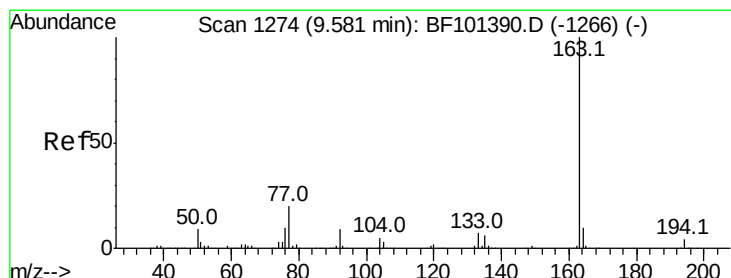
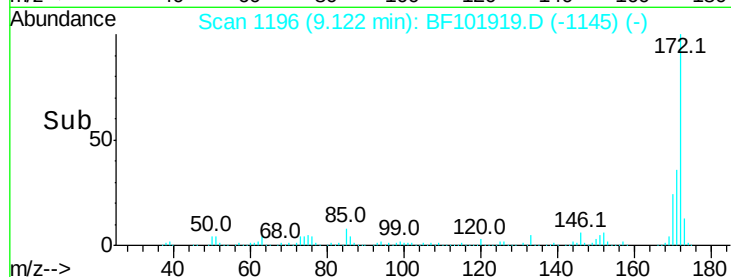
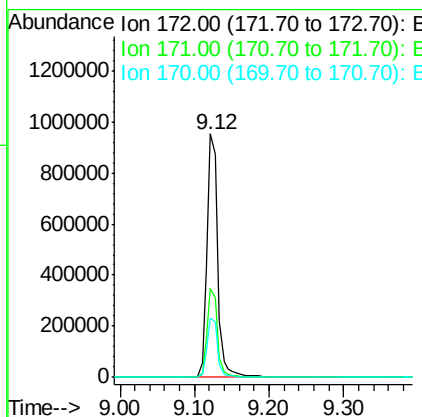
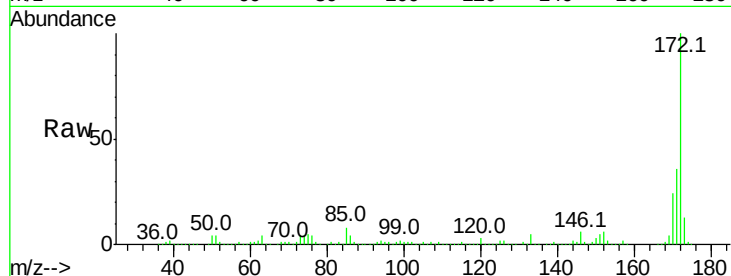
#44
2-Fluorobiphenyl
Concen: 70.316 ng
RT: 9.12 min Scan# 1196
Delta R.T. 0.00 min
Lab File: BF101919.D
Acq: 5 Jan 2018 10:32

Instrument :
BNA_F
ClientSampleId :
B-3(5)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	962764		
171	36.2		29.7	44.5
170	24.3		19.6	29.4

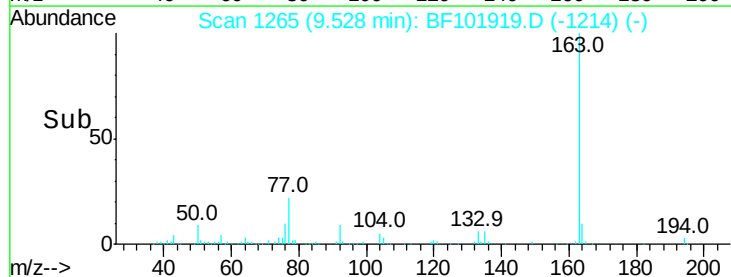
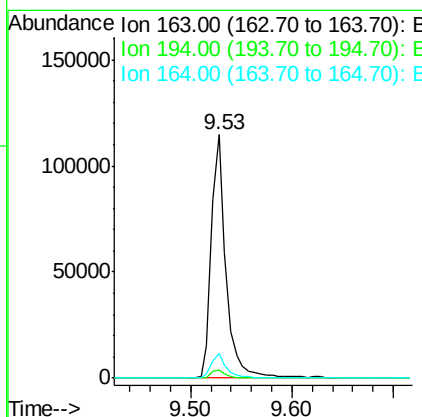
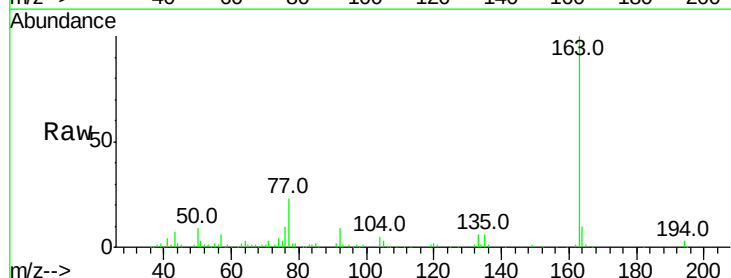
Manual Integrations
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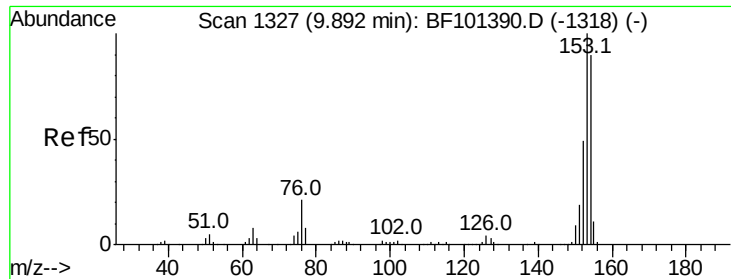
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#49
Dimethylphthalate
Concen: 6.809 ng
RT: 9.53 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BF101919.D
Acq: 5 Jan 2018 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	116325		
194	3.4		2.7	4.1
164	10.1		8.2	12.2





#51

Acenaphthene

Concen: 2.628 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF101919.D

Acq: 5 Jan 2018 10:32

Instrument :

BNA_F

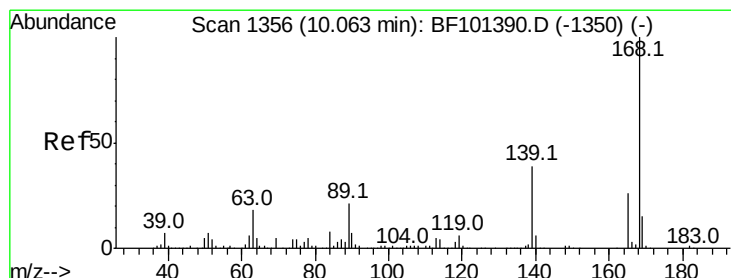
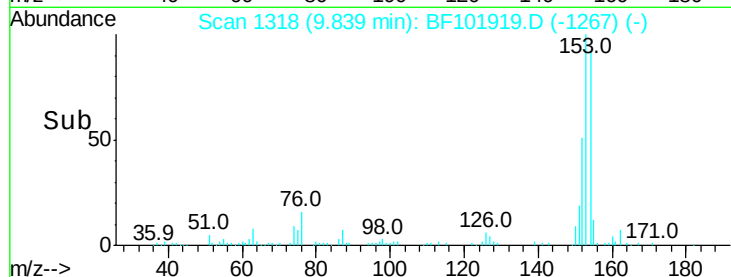
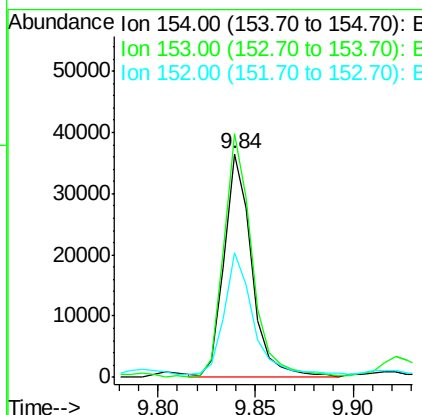
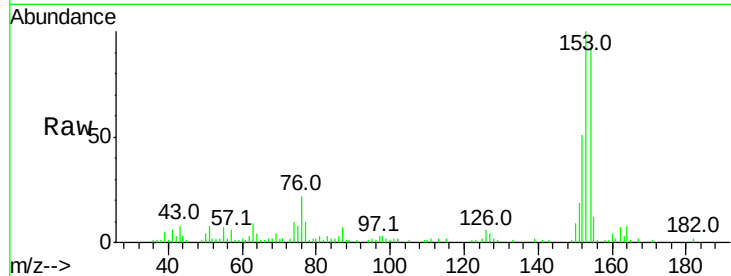
ClientSampled :

B-3(5)

Tot Ion:	154	Resp:	35936
Ion Ratio	Lower	Upper	
154	100		
153	109.1	91.2	136.8
152	56.0	43.8	65.8

Manual Integrations
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#54

Dibenzofuran

Concen: 2.278 ng

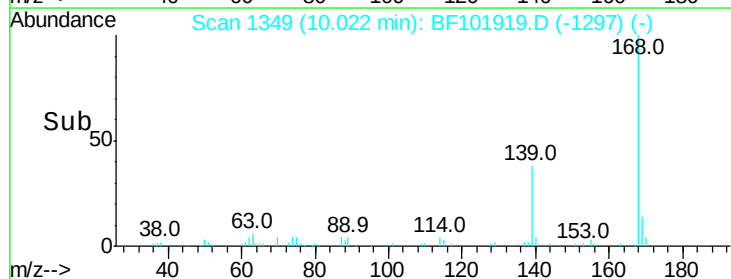
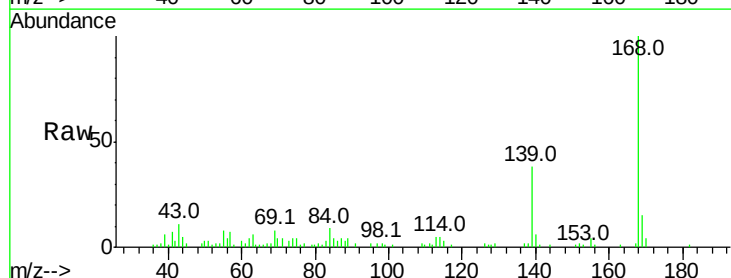
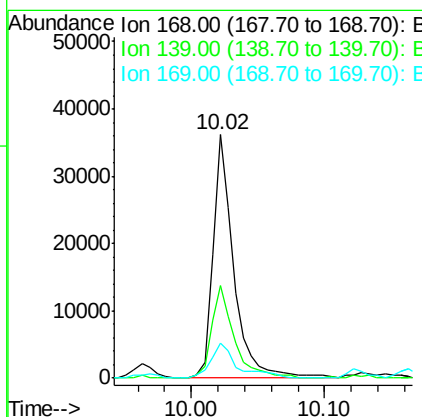
RT: 10.02 min Scan# 1349

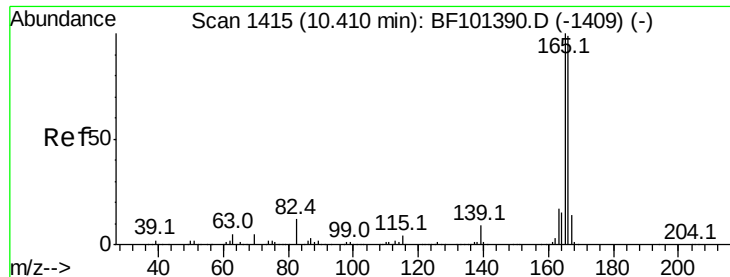
Delta R.T. 0.01 min

Lab File: BF101919.D

Acq: 5 Jan 2018 10:32

Tgt Ion:	168	Resp:	39585
Ion Ratio	Lower	Upper	
168	100		
139	37.8	30.1	45.1
169	14.6	10.9	16.3





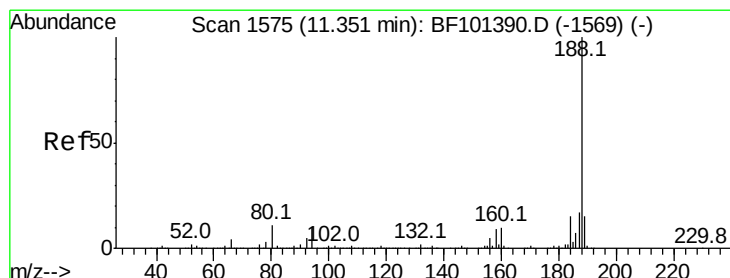
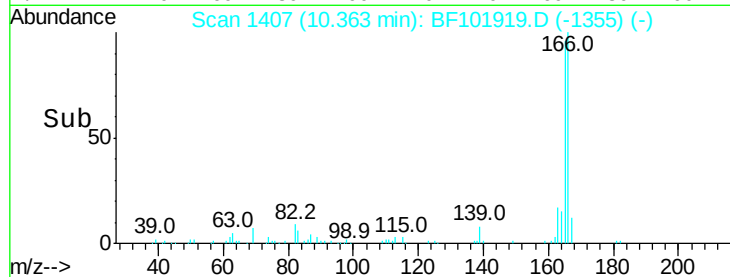
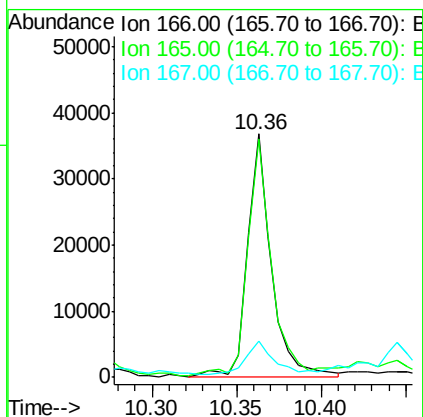
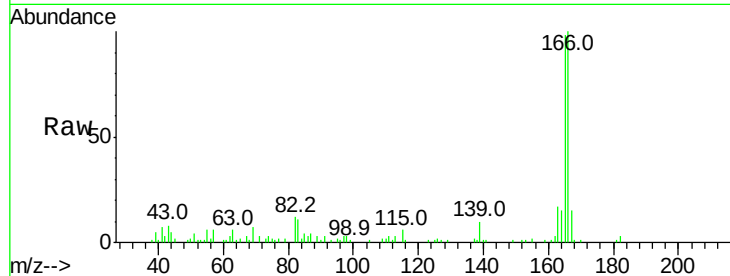
#57
Fluorene
 Concen: 2.504 ng
 RT: 10.36 min Scan# 1407
 Delta R.T. 0.01 min
 Lab File: BF101919.D
 Acq: 5 Jan 2018 10:32

Instrument :
 BNA_F
 ClientSampled :
 B-3(5)

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.8	119.8
167	14.7	10.6	16.0

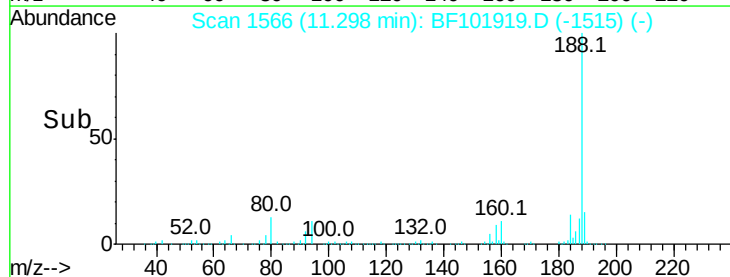
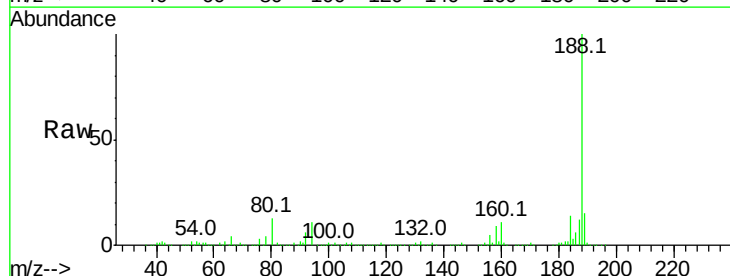
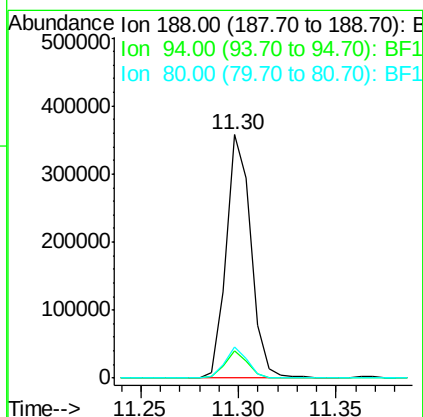
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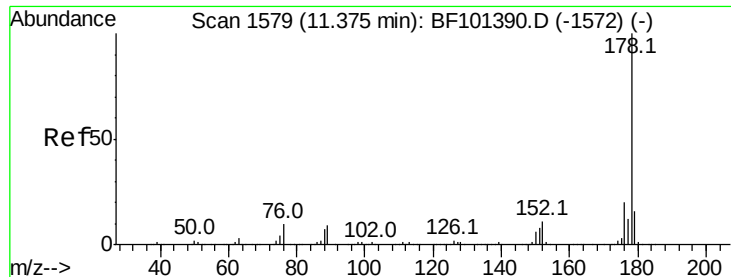
Sohil
 1/8/2018 4:21:34 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: BF101919.D
 Acq: 5 Jan 2018 10:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.5	12.7
80	12.6	9.2	13.8





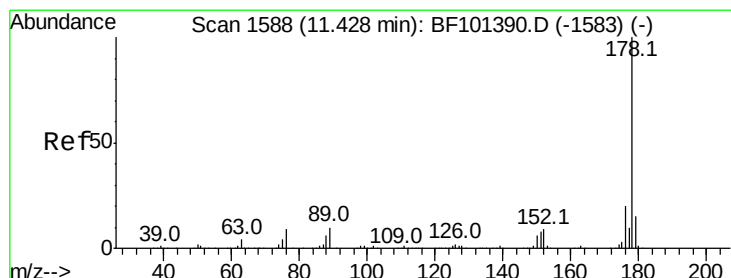
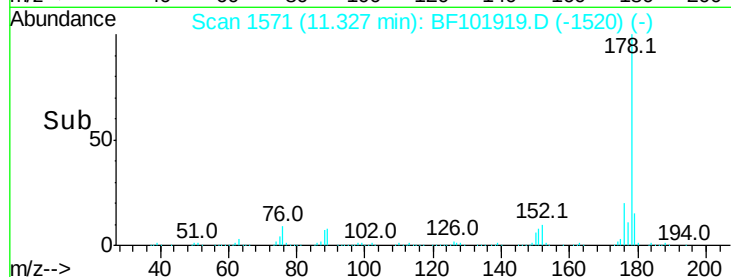
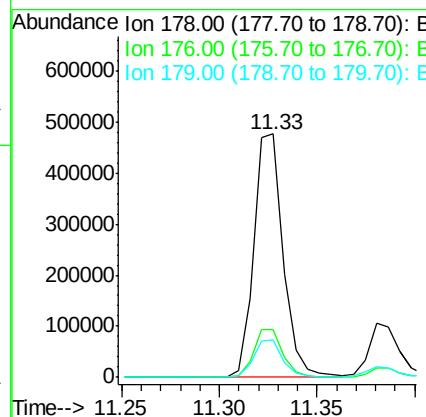
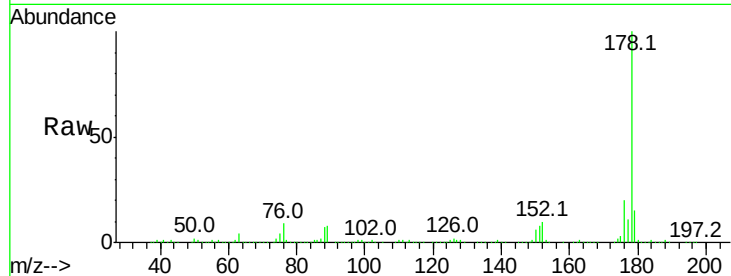
#70
 Phenanthrene
 Concen: 28.302 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF101919.D
 Acq: 5 Jan 2018 10:32

Instrument :
 BNA_F
 ClientSampleId :
 B-3(5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.4	13.0	19.6

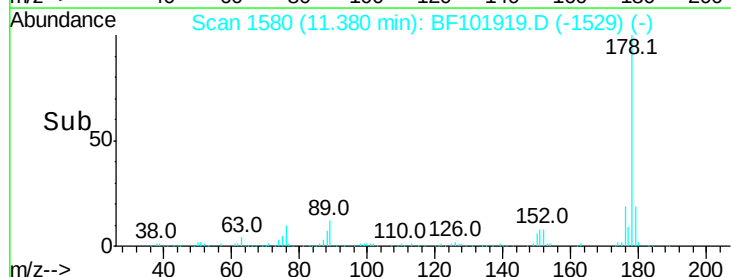
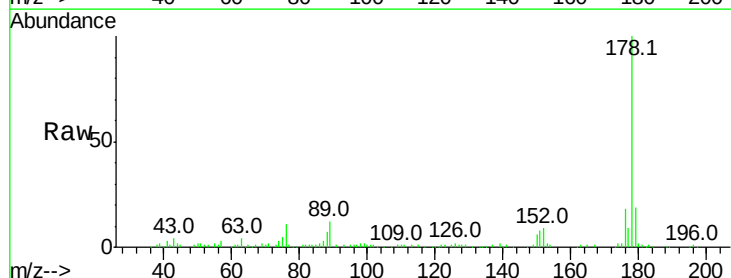
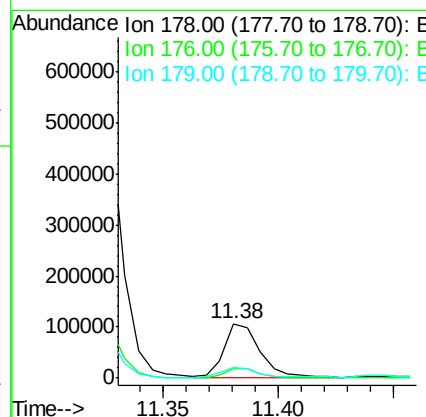
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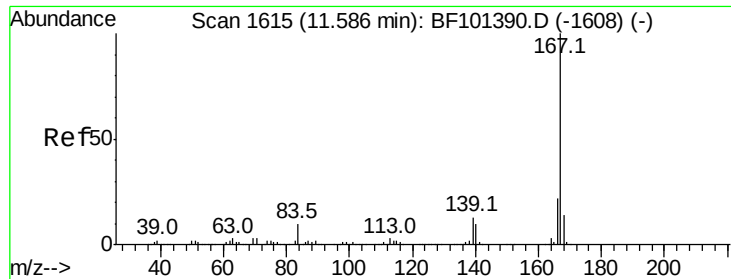
Sohil
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#71
 Anthracene
 Concen: 6.342 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF101919.D
 Acq: 5 Jan 2018 10:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	18.7	12.6	19.0





#72

Carbazole

Concen: 2.654 ng

RT: 11.55 min Scan# 1609

Delta R.T. 0.01 min

Lab File: BF101919.D

Acq: 5 Jan 2018 10:32

Instrument :

BNA_F

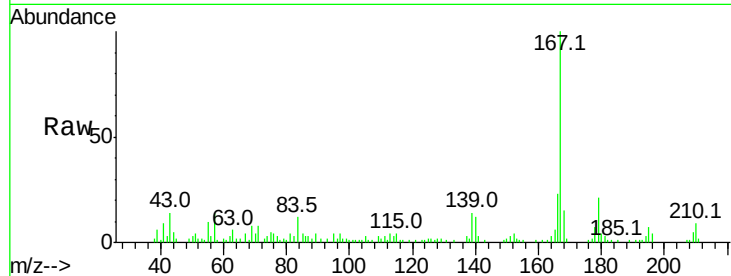
ClientSampled :

B-3(5)

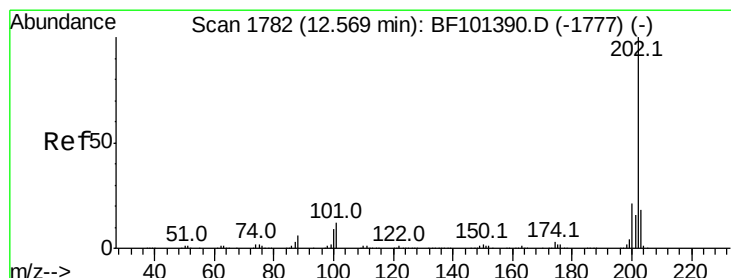
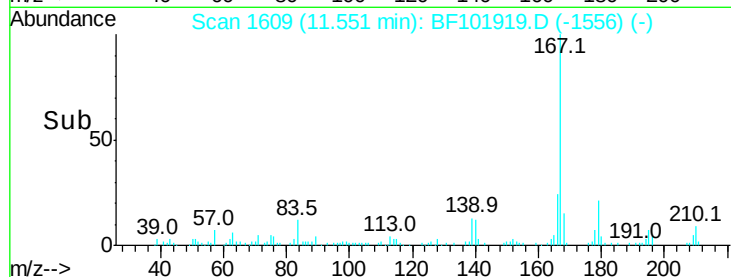
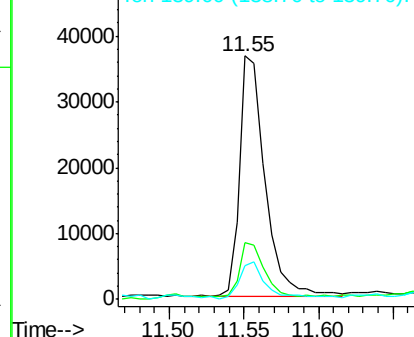
Tot Ion:	167	Resp:	44374
Ion Ratio	Lower	Upper	
167	100		
166	23.2	17.6	26.4
139	13.9	10.9	16.3

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 33.864 ng

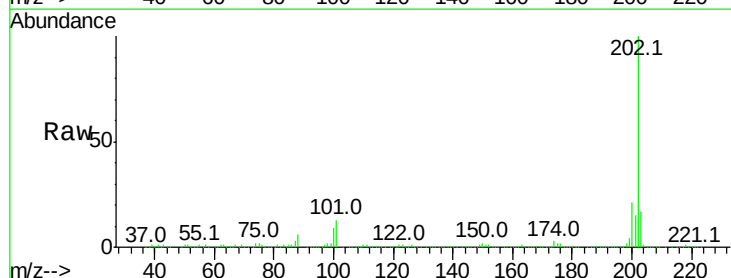
RT: 12.52 min Scan# 1774

Delta R.T. 0.00 min

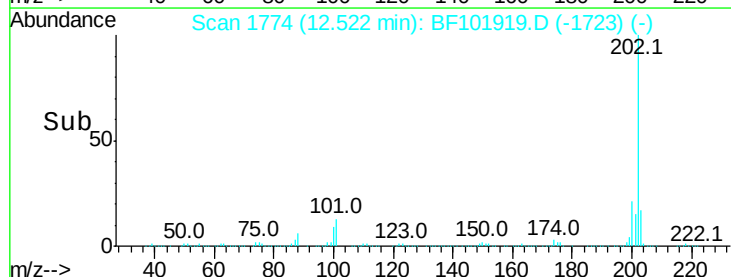
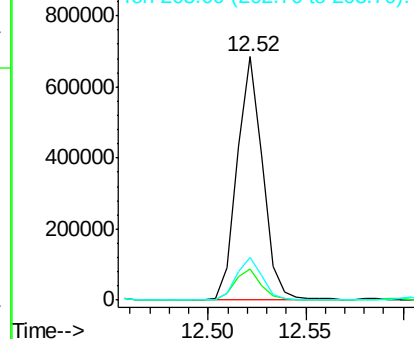
Lab File: BF101919.D

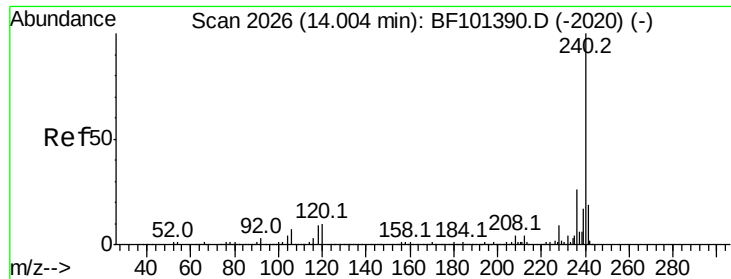
Acq: 5 Jan 2018 10:32

Tgt Ion:	202	Resp:	621515
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	34.1
203	17.5	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BF101919.D

Acq: 5 Jan 2018 10:32

Instrument :

BNA_F

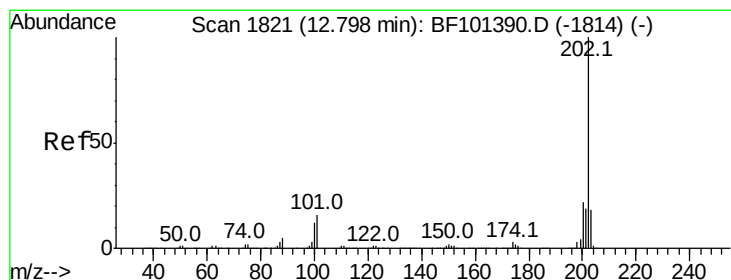
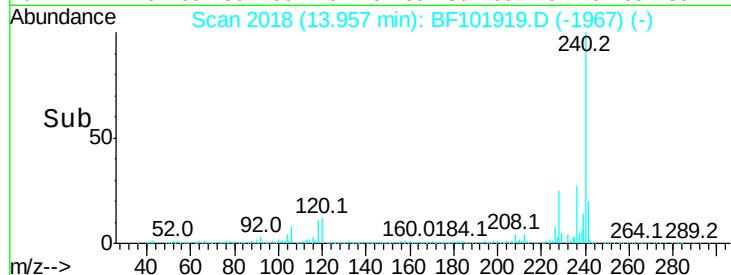
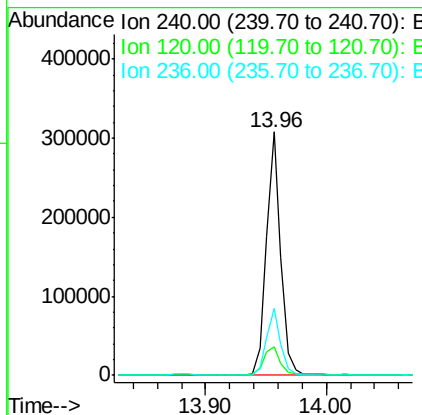
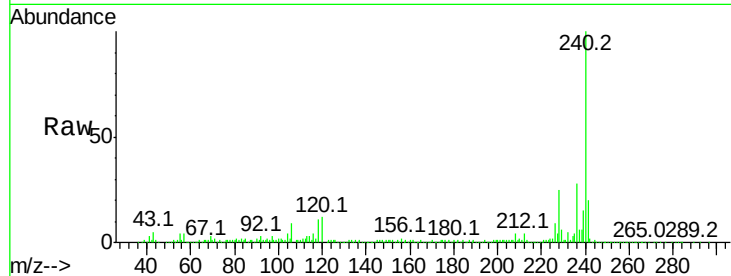
ClientSampleId :

B-3(5)

Tot Ion:	240	Resp:	250840
Ion Ratio	Lower	Upper	
240	100		
120	12.0	9.5	14.3
236	27.6	20.7	31.1

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#77

Pyrene

Concen: 33.709 ng

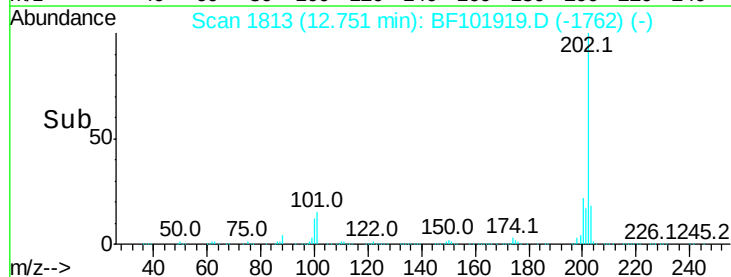
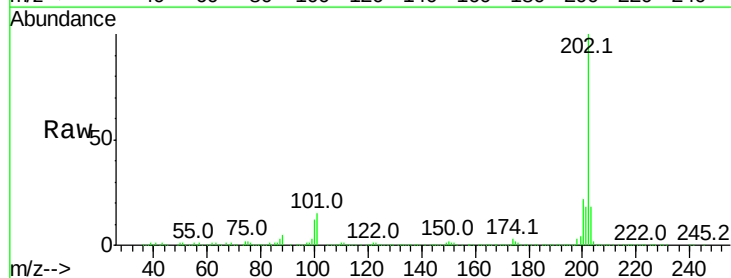
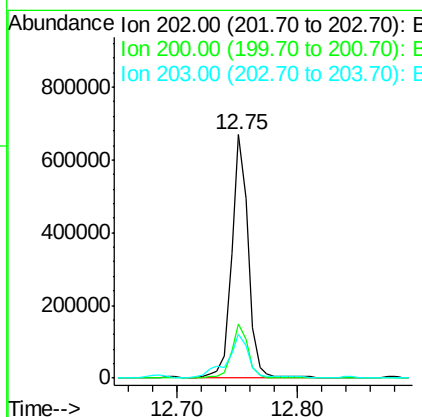
RT: 12.75 min Scan# 1813

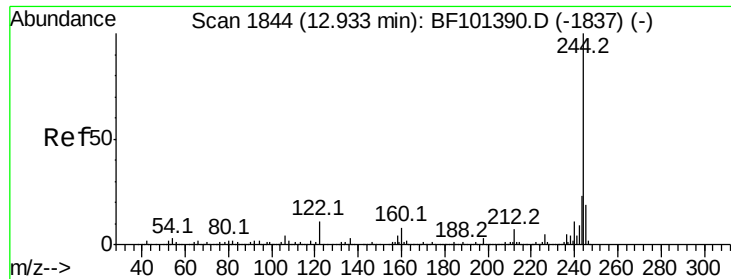
Delta R.T. 0.00 min

Lab File: BF101919.D

Acq: 5 Jan 2018 10:32

Tgt Ion:	202	Resp:	634593
Ion Ratio	Lower	Upper	
202	100		
200	22.1	17.4	26.2
203	18.0	14.3	21.5





#78

Terphenyl-d14

Concen: 61.106 ng

RT: 12.88 min Scan# 1835

Delta R.T. 0.00 min

Lab File: BF101919.D

Acq: 5 Jan 2018 10:32

Instrument :

BNA_F

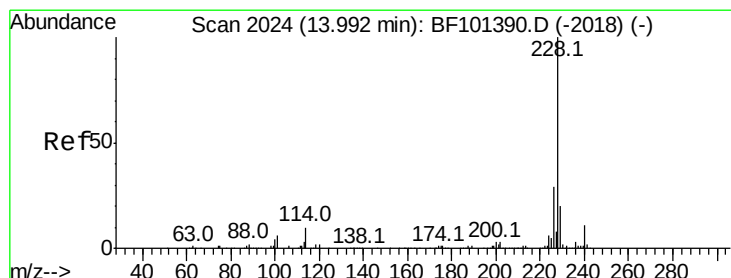
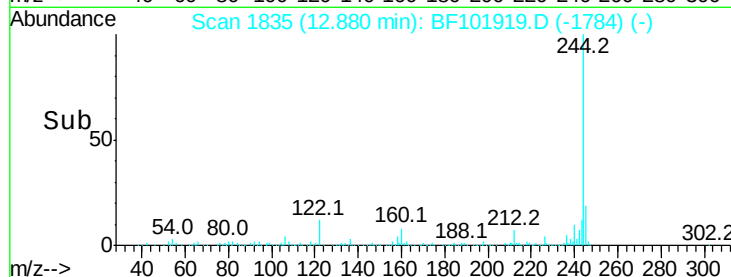
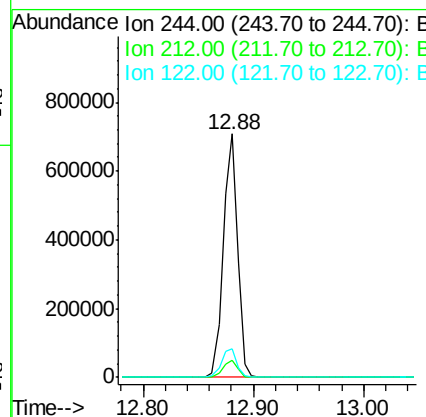
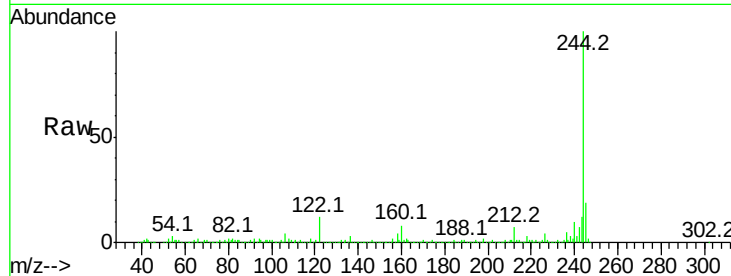
ClientSampleId :

B-3(5)

Tot Ion:	244	Resp:	635807
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.4	8.0
122	11.7	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 20.203 ng

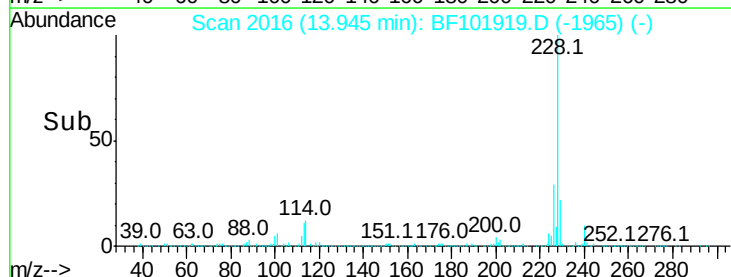
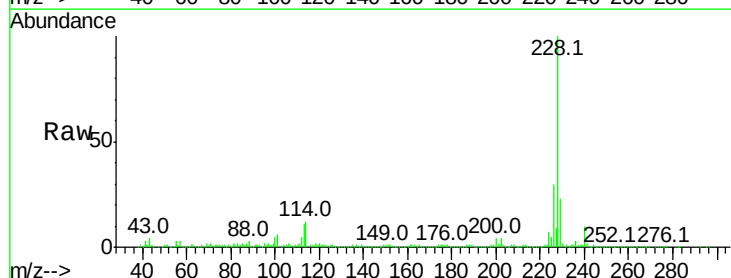
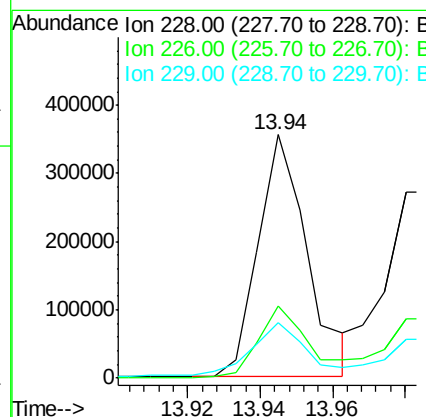
RT: 13.94 min Scan# 2016

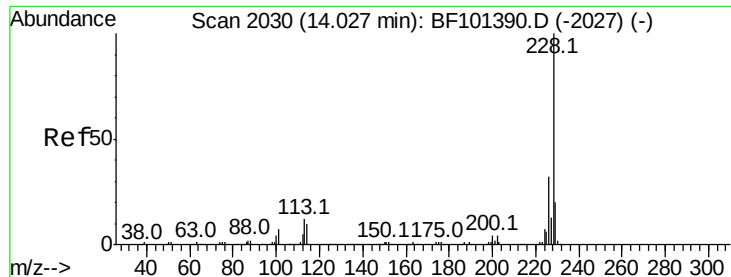
Delta R.T. 0.00 min

Lab File: BF101919.D

Acq: 5 Jan 2018 10:32

Tgt Ion:	228	Resp:	334636
Ion Ratio	Lower	Upper	
228	100		
226	29.7	22.6	33.8
229	22.5	15.8	23.6





#82

Chrysene

Concen: 20.178 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF101919.D

Acq: 5 Jan 2018 10:32

Instrument :

BNA_F

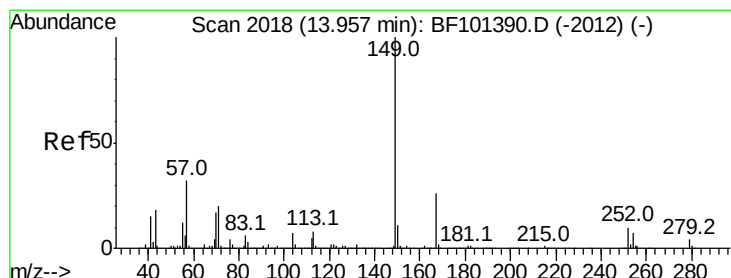
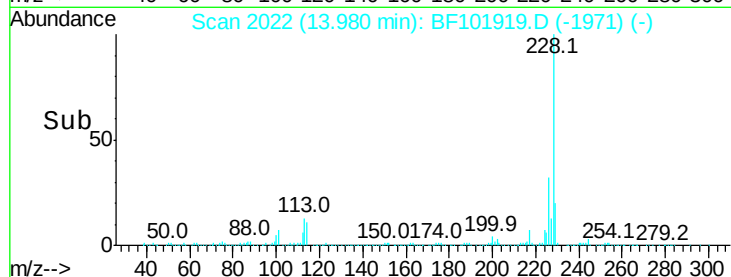
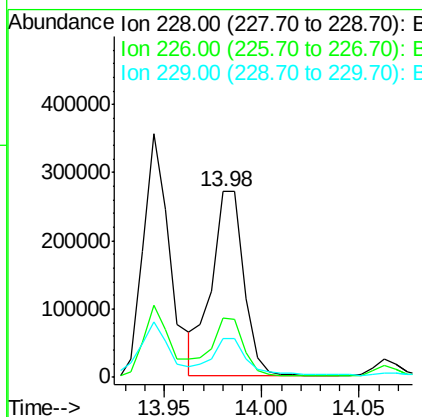
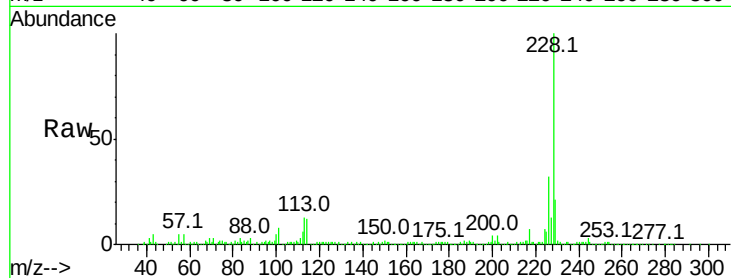
ClientSampleId :

B-3(5)

Tot Ion:	228	Resp:	315567
Ion Ratio	Lower	Upper	
228	100		
226	31.9	25.0	37.6
229	20.8	16.2	24.4

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#83

Bis(2-ethylhexyl)phthalate

Concen: 7.732 ng

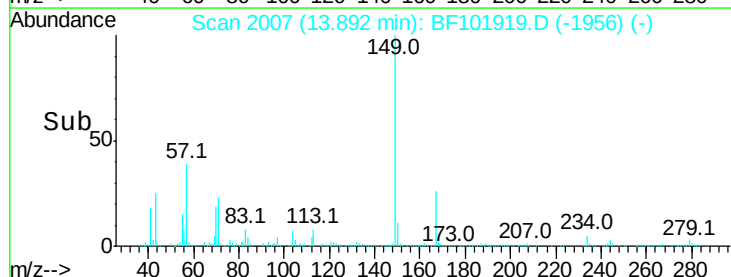
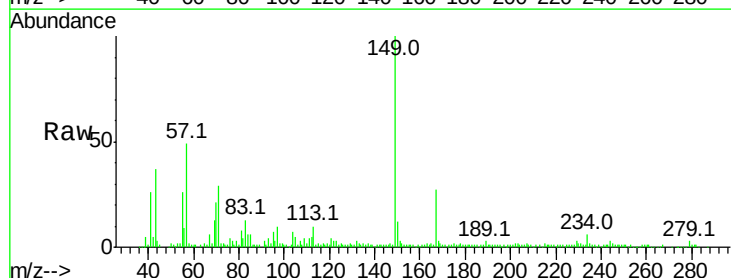
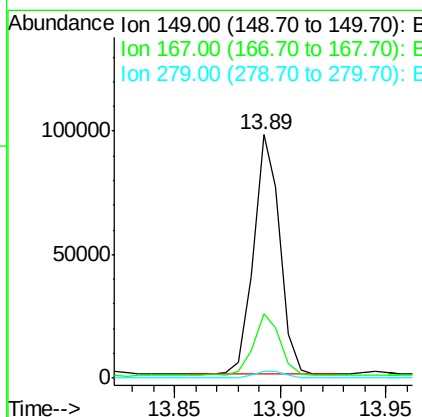
RT: 13.89 min Scan# 2007

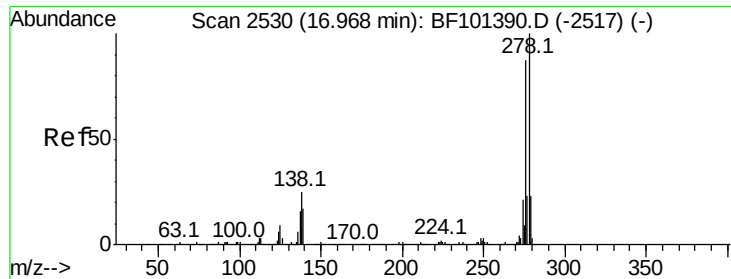
Delta R.T. 0.00 min

Lab File: BF101919.D

Acq: 5 Jan 2018 10:32

Tgt Ion:	149	Resp:	83422
Ion Ratio	Lower	Upper	
149	100		
167	26.6	21.3	31.9
279	2.9	3.0	4.4#





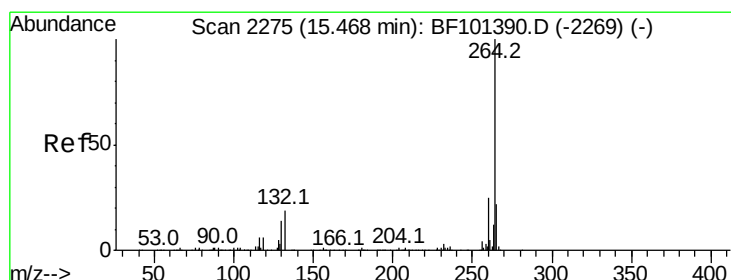
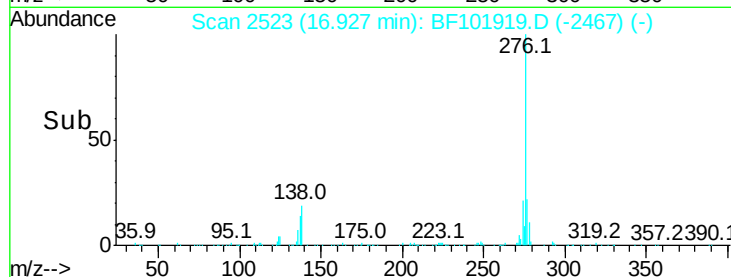
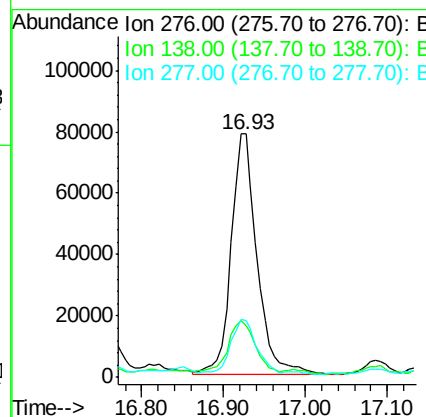
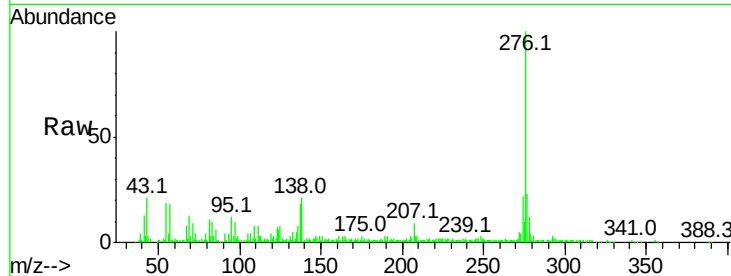
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.412 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. 0.03 min
 Lab File: BF101919.D
 Acq: 5 Jan 2018 10:32

Instrument :
 BNA_F
 ClientSampled :
 B-3(5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.5	25.0	37.6#
277	22.2	20.1	30.1

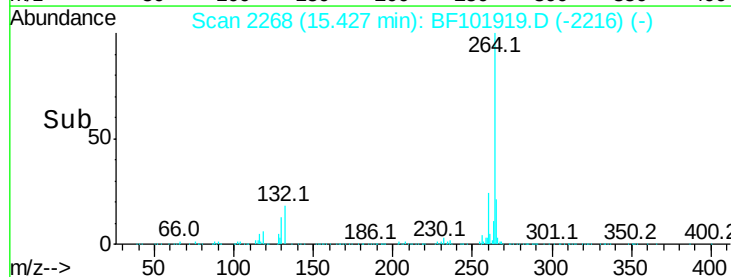
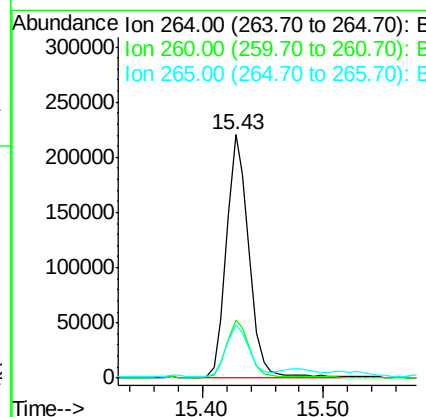
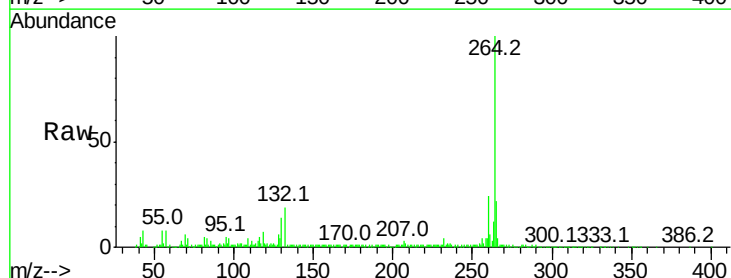
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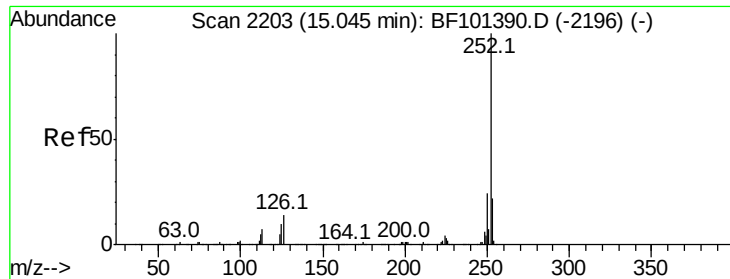
Sohil
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.01 min
 Lab File: BF101919.D
 Acq: 5 Jan 2018 10:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.7	17.5	26.3





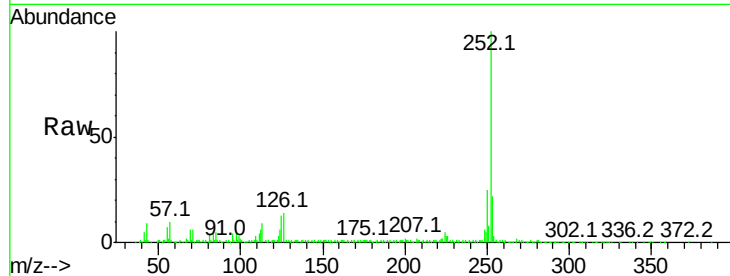
#87
Benzo(b)fluoranthene
Concen: 24.348 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.01 min
Lab File: BF101919.D
Acq: 5 Jan 2018 10:32

Instrument :
BNA_F
ClientSampleId :
B-3(5)

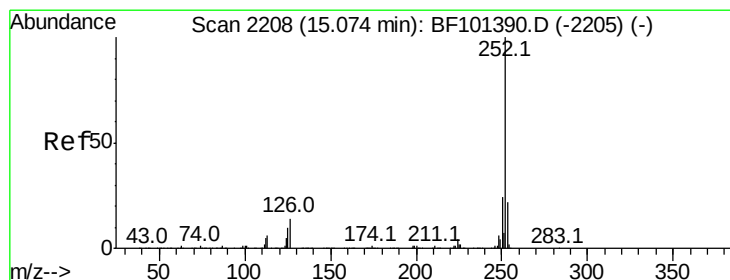
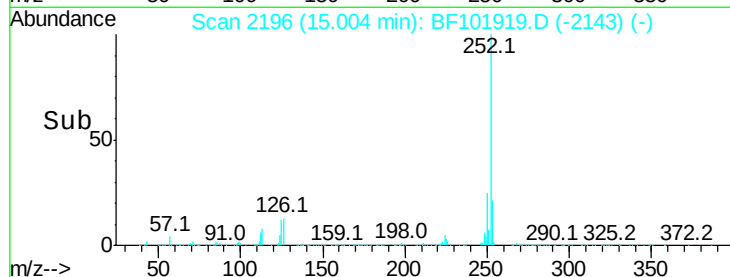
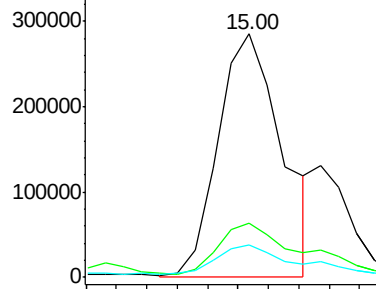
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	13.1	9.0	13.6

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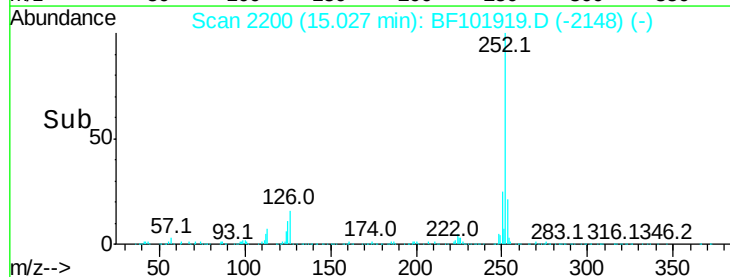
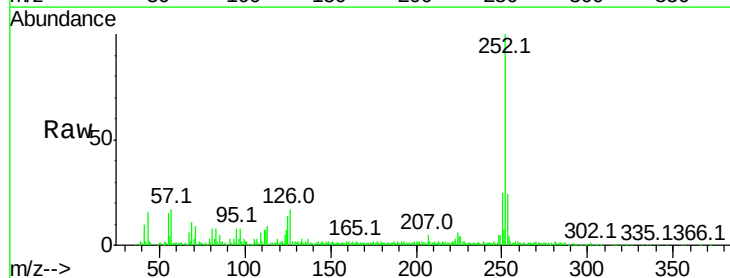
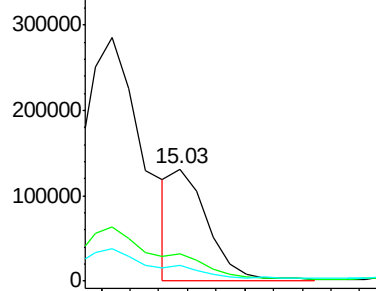
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

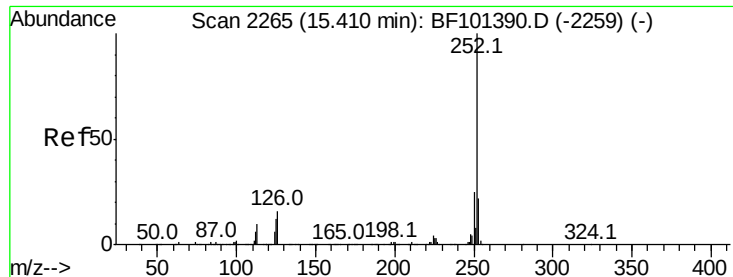


#88
Benzo(k)fluoranthene
Concen: 7.026 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF101919.D
Acq: 5 Jan 2018 10:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	13.7	10.2	15.2

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





#89

Benzo(a)pyrene

Concen: 19.594 ng

RT: 15.37 min Scan# 2258

Delta R.T. 0.01 min

Lab File: BF101919.D

Acq: 5 Jan 2018 10:32

Instrument :

BNA_F

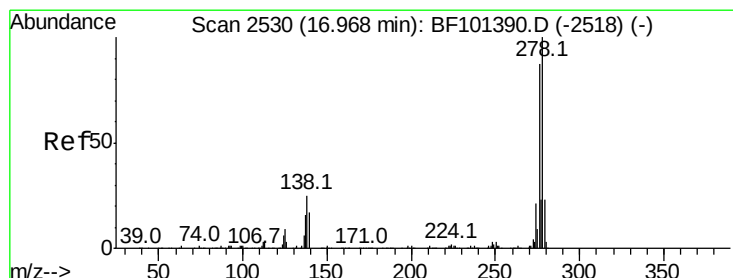
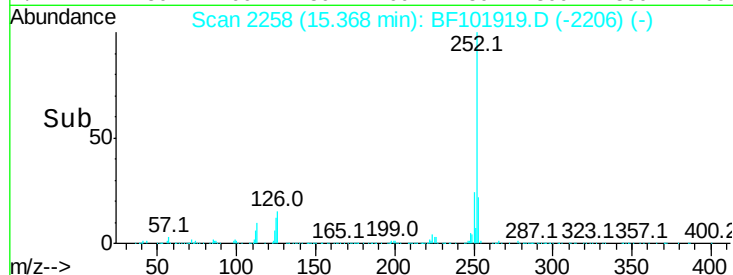
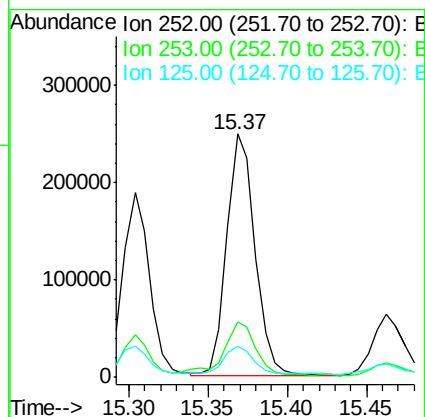
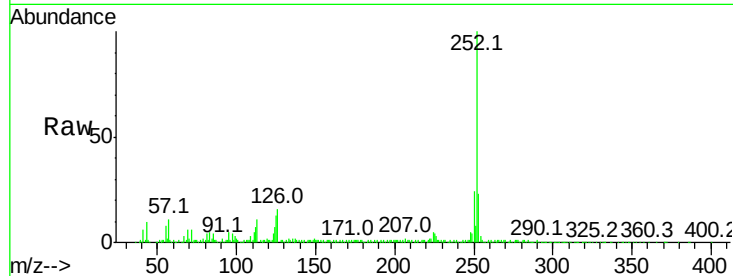
ClientSampled :

B-3(5)

Tot Ion:	252	Resp:	307355
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.1	25.7
125	13.0	9.8	14.6

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#90

Dibenzo(a,h)anthracene

Concen: 3.884 ng

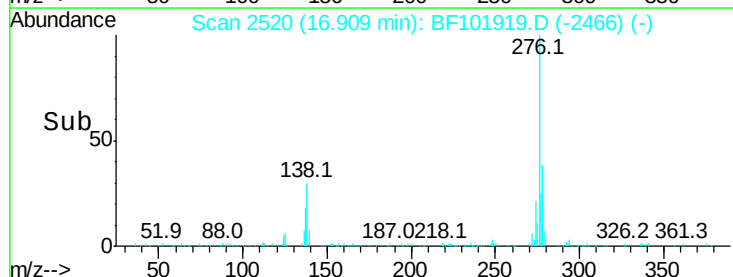
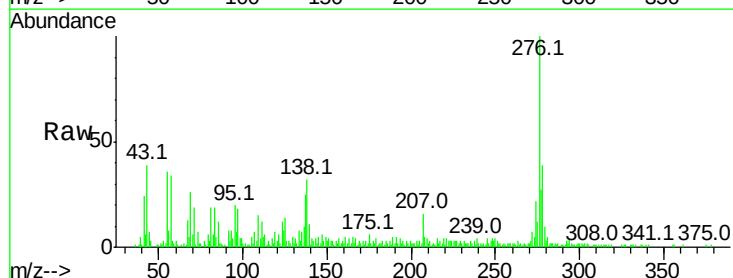
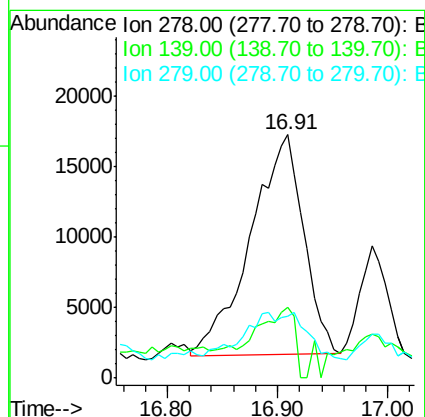
RT: 16.91 min Scan# 2520

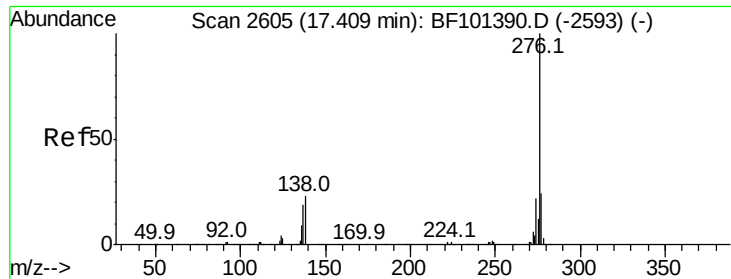
Delta R.T. 0.02 min

Lab File: BF101919.D

Acq: 5 Jan 2018 10:32

Tgt Ion:	278	Resp:	52304
Ion Ratio	Lower	Upper	
278	100		
139	29.1	15.9	23.9#
279	25.3	19.0	28.4





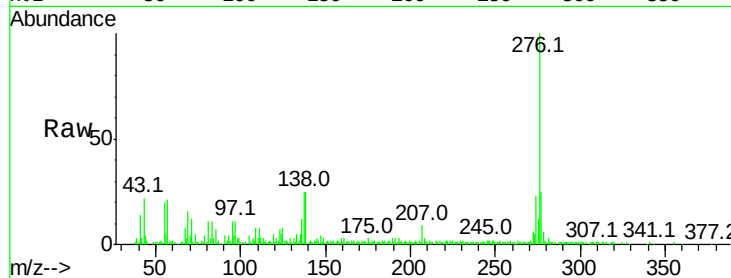
#91
 Benzo(a,h,i)perylene
 Concen: 12.392 ng
 RT: 17.37 min Scan# 2599
 Delta R.T. 0.03 min
 Lab File: BF101919.D
 Acq: 5 Jan 2018 10:32

Instrument :
 BNA_F
 ClientSampleId :
 B-3(5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.9	26.9
138	25.4	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 1/8/2018 4:21:34 PM



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

