

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072718\
 Data File : BF107771.D
 Acq On : 28 Jul 2018 3:22
 Operator : JU/SJ
 Sample : J4143-01DL 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(3-5)DL

Manual Integrations
 APPROVED

Sohil
 7/30/2018 2:03:30 PM

Quant Time: Jul 28 04:38:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	128805	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	554588	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	229684	20.00	ng	-0.02
63) Phenanthrene-d10	11.50	188	401311	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	423589	20.00	ng	-0.01
86) Perylene-d12	15.68	264	396334	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	50949m	6.36	ng	0.02
7) Phenol-d6	6.62	99	87306m	9.08	ng	0.01
23) Nitrobenzene-d5	7.56	82	30981	3.77	ng	0.01
41) 2,4,6-Tribromophenol	10.80	330	21530	8.24	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	119194	3.11	ng	-0.02
78) Terphenyl-d14	13.08	244	116484	7.04	ng	-0.02
Target Compounds						
51) Acenaphthene	10.03	154	39039	2.712	ng	Qvalue 94
57) Fluorene	10.55	166	42346	2.801	ng	99
70) Phenanthrene	11.52	178	546647	27.953	ng	98
71) Anthracene	11.58	178	227781	11.568	ng	100
74) Fluoranthene	12.72	202	1020489	48.629	ng	95
77) Pyrene	12.95	202	891679	30.775	ng	97
80) Benzo(a)anthracene	14.14	228	495919	19.978	ng	98
82) Chrysene	14.18	228	429137	17.997	ng	97
85) Indeno(1,2,3-cd)pyrene	17.26	276	170274	8.425	ng	# 87
87) Benzo(b)fluoranthene	15.22	252	448998m	20.700	ng	
88) Benzo(k)fluoranthene	15.25	252	251429m	11.831	ng	
89) Benzo(a)pyrene	15.62	252	365932	18.443	ng	96
90) Dibenzo(a,h)anthracene	17.27	278	36466m	2.126	ng	
91) Benzo(g,h,i)perylene	17.74	276	155316	9.181	ng	# 92

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

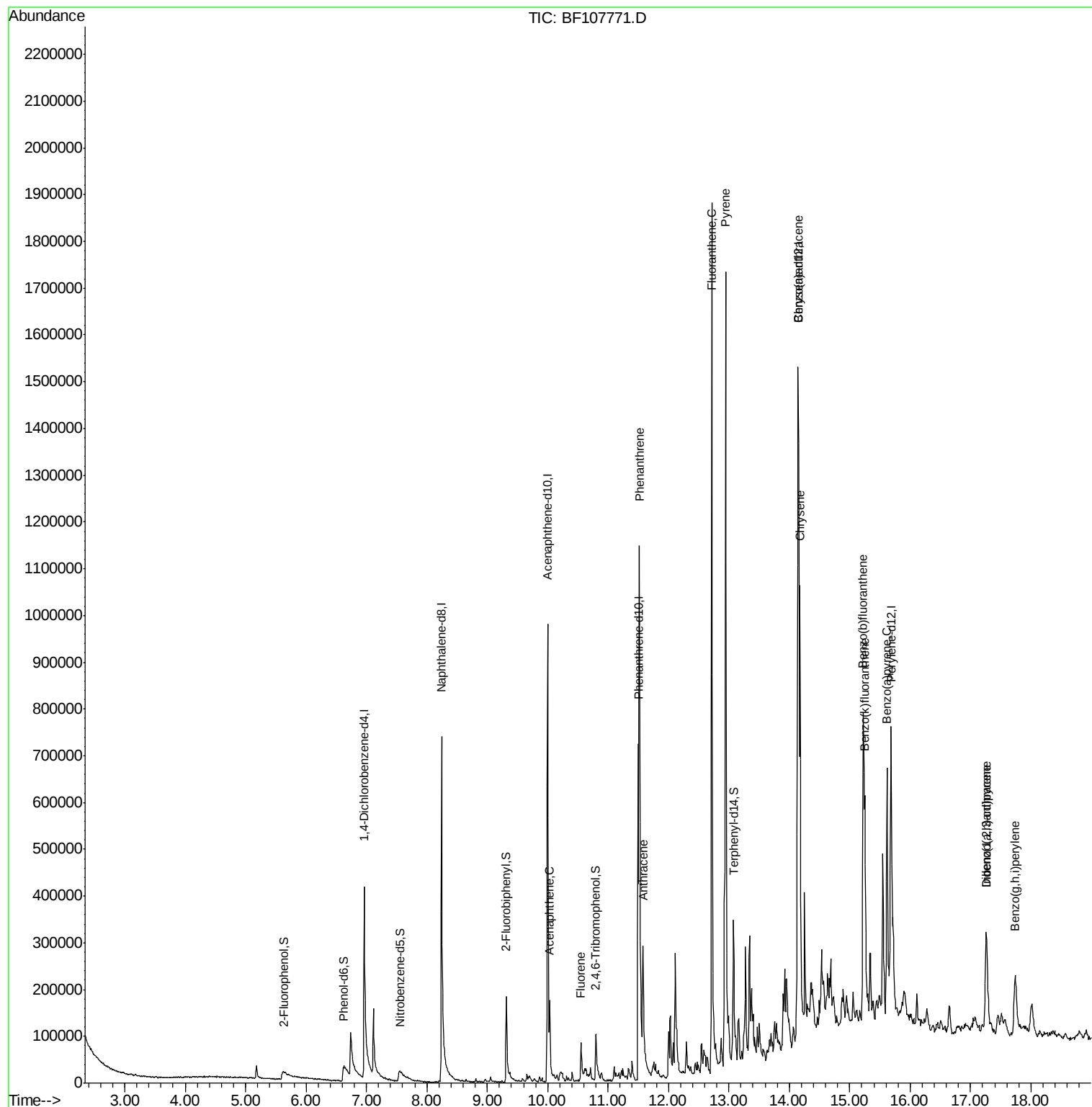
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072718\
Data File : BF107771.D
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ALS Vial : 28 Sample Multiplier: 1

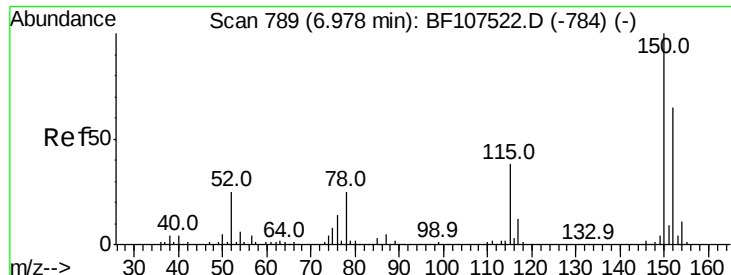
Instrument :
BNA_F
ClientSampleId :
SB-1(3-5)DL

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Quant Time: Jul 28 04:38:29 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 16:29:27 2018
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#1

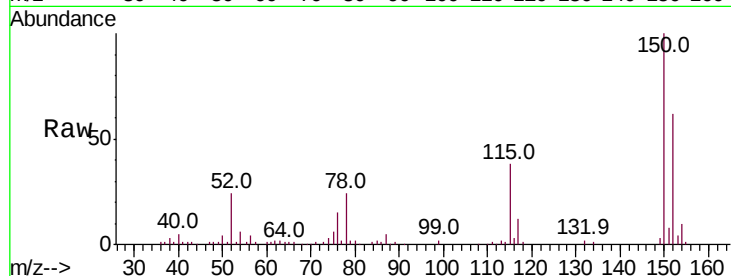
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF107771.D
Acq: 28 Jul 2018 3:22

Instrument :
BNA_F
ClientSampled :
SB-1(3-5)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.0	124.6	186.8
115	60.8	50.1	75.1

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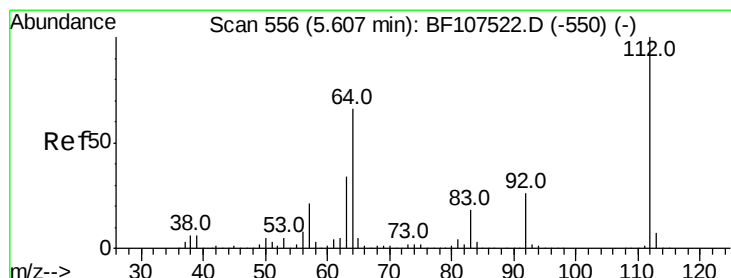
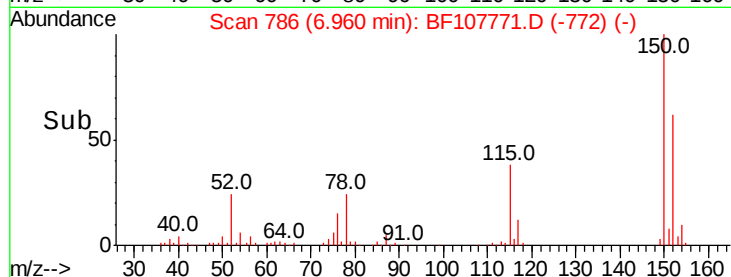
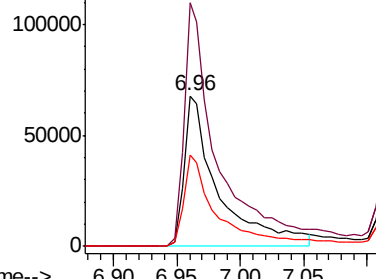


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

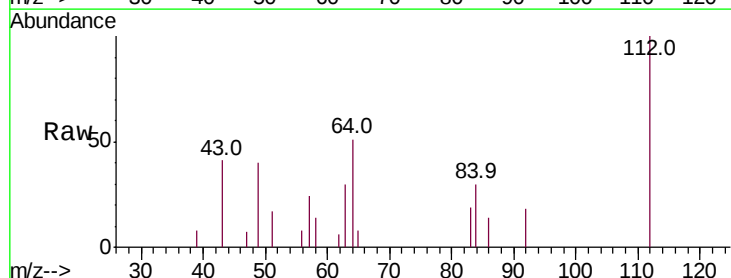
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 6.360 ng m
RT: 5.63 min Scan# 560
Delta R.T. 0.02 min
Lab File: BF107771.D
Acq: 28 Jul 2018 3:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.3	47.9	71.9
63	30.3	23.7	35.5

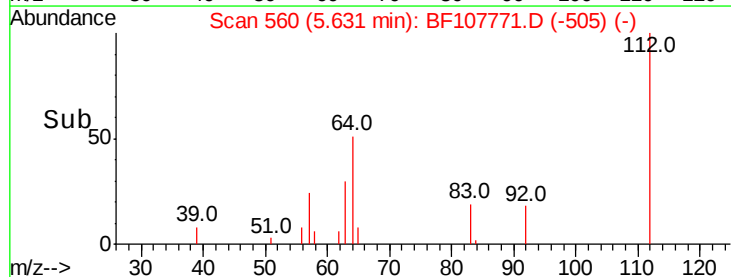
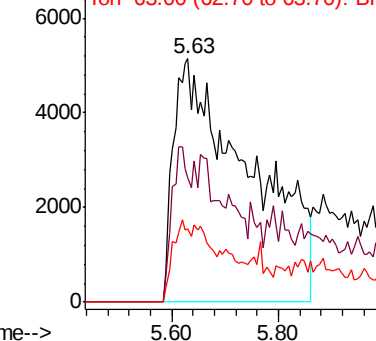


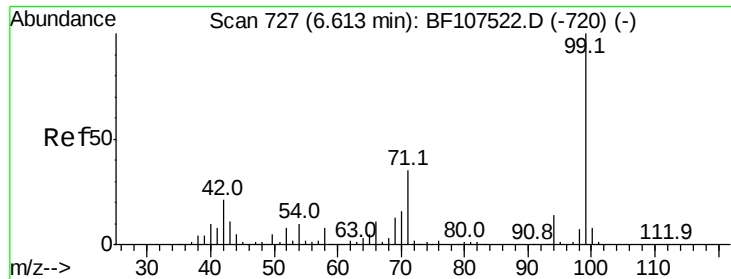
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

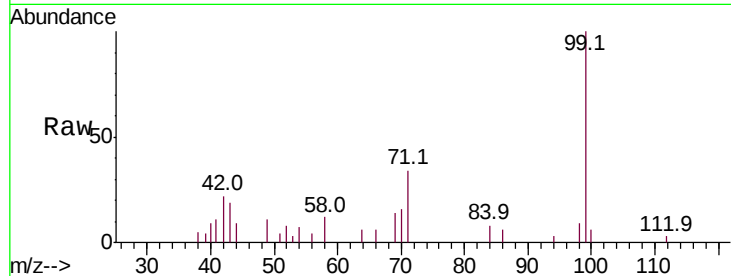
Concen: 9.076 ng/ml
 RT: 6.62 min Scan# 729
 Delta R.T. 0.01 min
 Lab File: BF107771.D
 Acq: 28 Jul 2018 3:22

Instrument :
 BNA_F
 ClientSampleID :
 SB-1(3-5)DL

Tot Ion	Ratio	Lower	Upper
99	100		
42	22.2	14.5	21.7#
71	34.4	25.4	38.0

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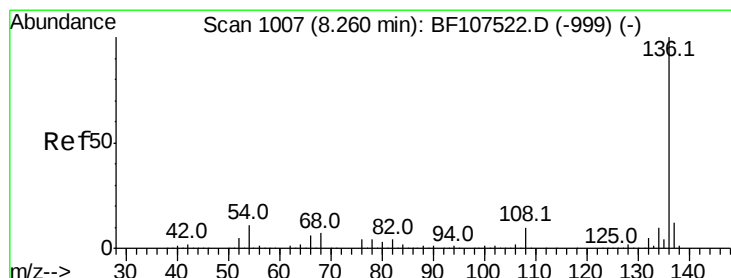
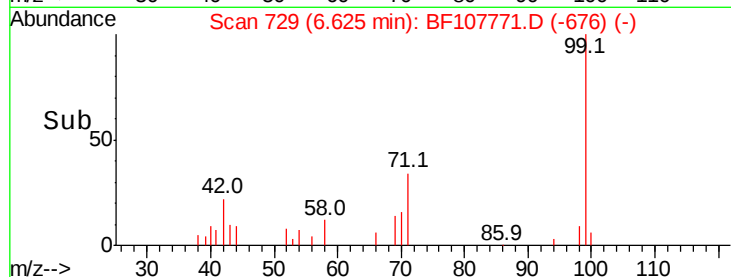
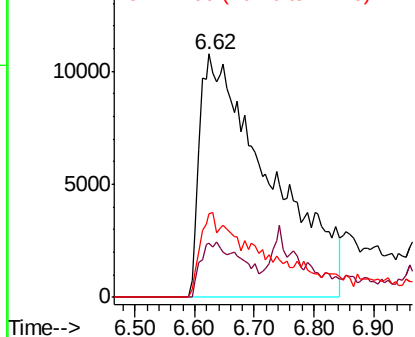


Abundance

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: 8.24 min Scan# 1004
 Delta R.T. -0.02 min
 Lab File: BF107771.D
 Acq: 28 Jul 2018 3:22

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	9.3	6.6	9.8
68	5.3	5.0	7.4

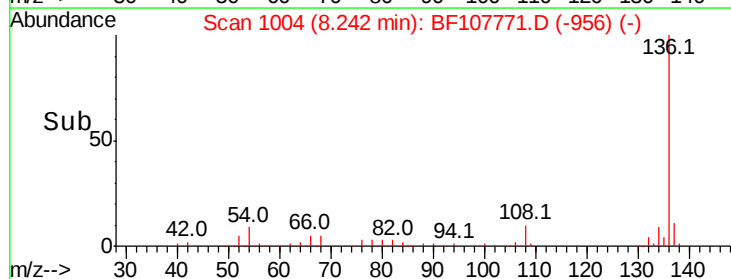
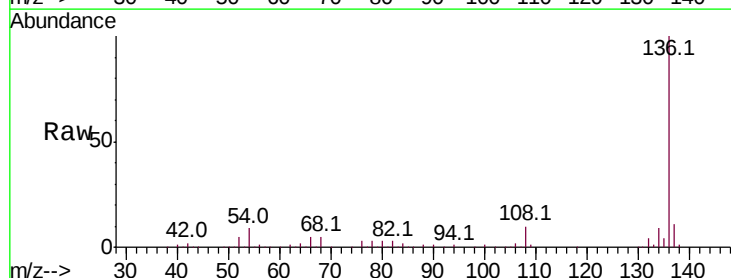
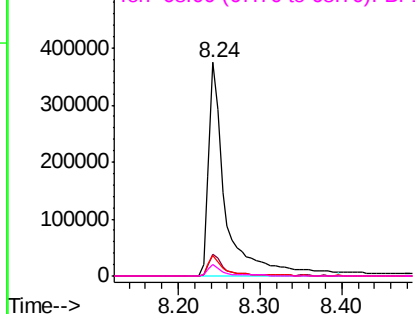
Abundance

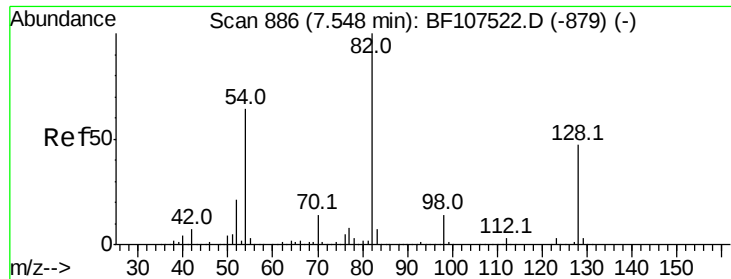
Ion 136.00 (135.70 to 136.70): E

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





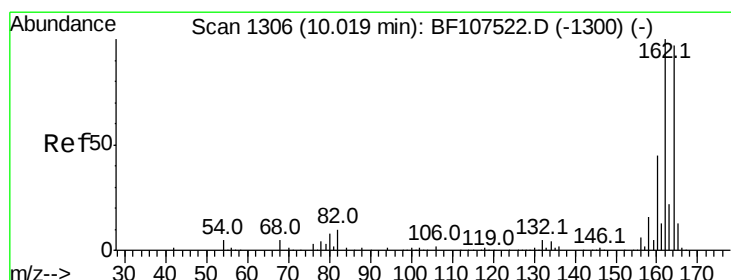
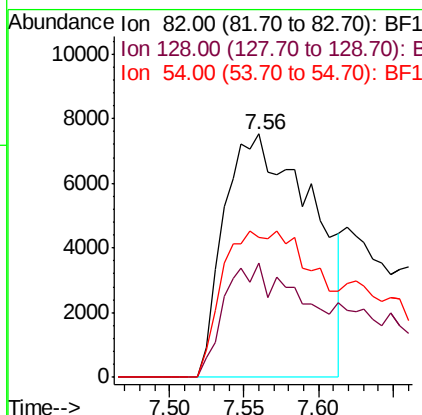
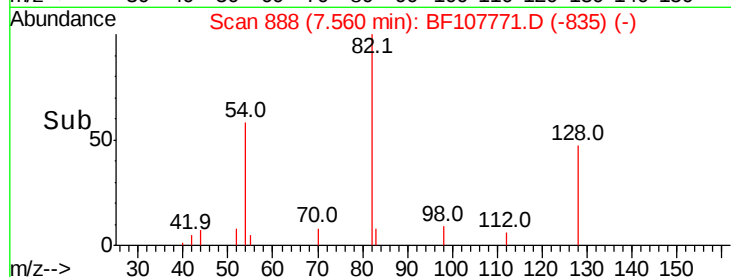
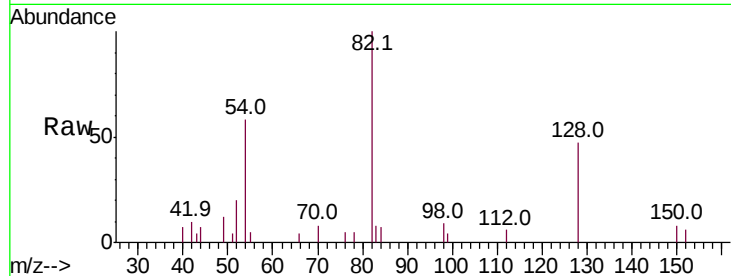
#23
Nitrobenzene-d5
Concen: 3.770 ng
RT: 7.56 min Scan# 888
Delta R.T. 0.01 min
Lab File: BF107771.D
Acq: 28 Jul 2018 3:22

Instrument :
BNA_F
ClientSampleId :
SB-1(3-5)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.1	54.1
54	57.7	41.4	62.2

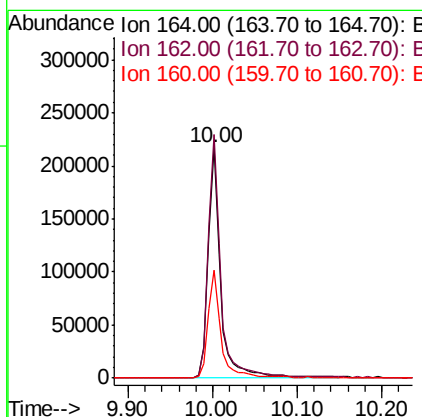
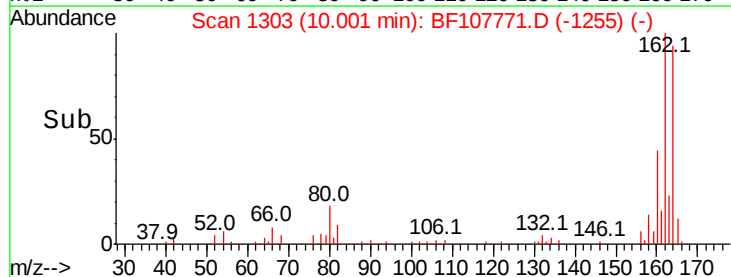
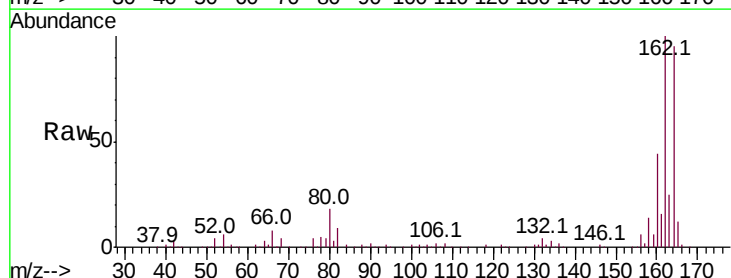
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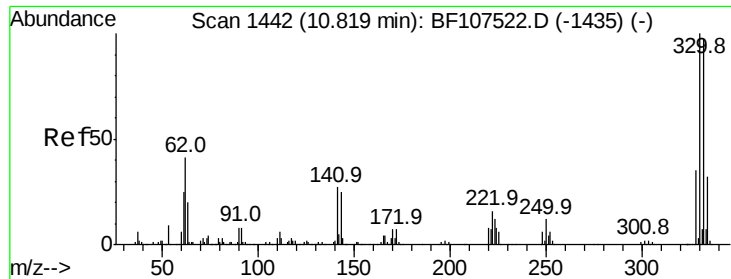
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF107771.D
Acq: 28 Jul 2018 3:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.6	86.1	129.1
160	46.8	38.3	57.5





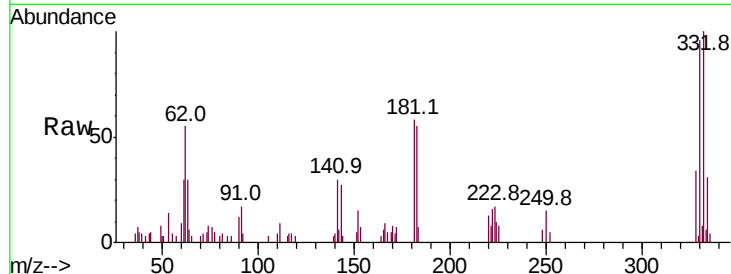
#41
 2,4,6-Tribromophenol
 Concen: 8.243 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107771.D
 Acq: 28 Jul 2018 3:22

Instrument :
 BNA_F
 ClientSampled :
 SB-1(3-5)DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	21530		
332	97.8	77.0	115.6	
141	26.6	29.9	44.9#	

Manual Integrations
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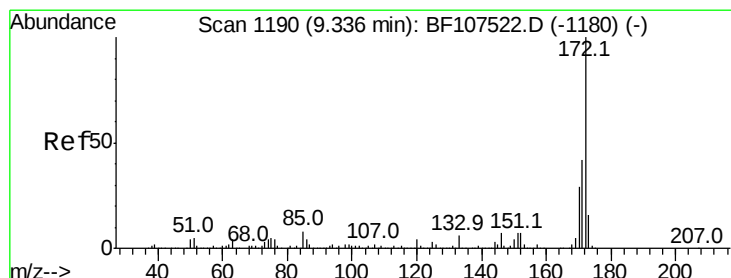
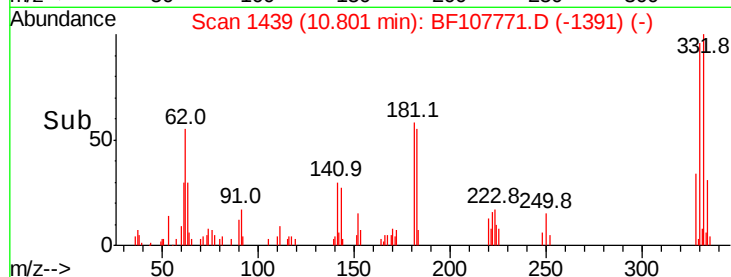
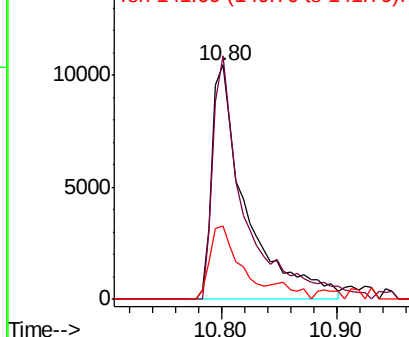


Abundance

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: 3.109 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.02 min
 Lab File: BF107771.D
 Acq: 28 Jul 2018 3:22

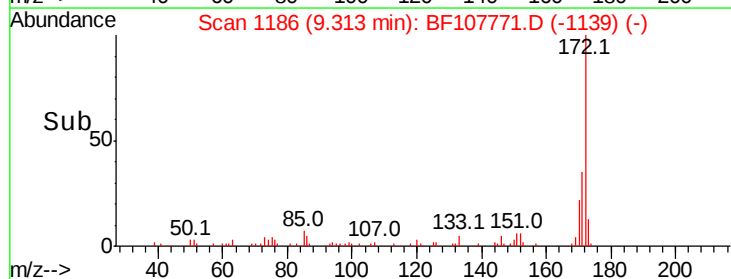
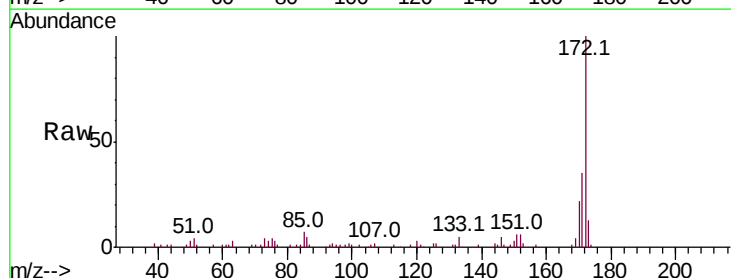
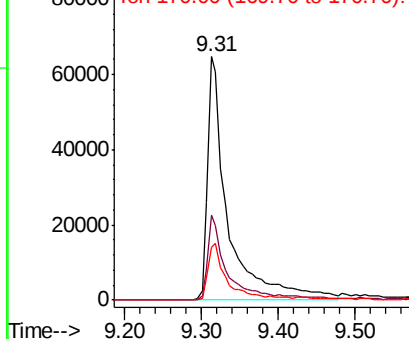
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	119194		
171	35.1	29.7	44.5	
170	22.0	19.6	29.4	

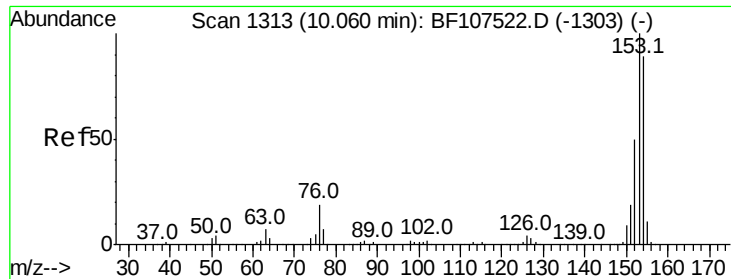
Abundance

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





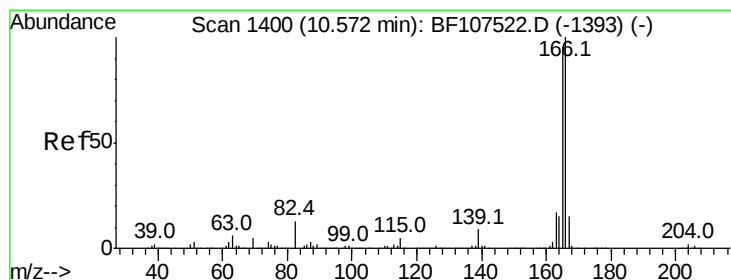
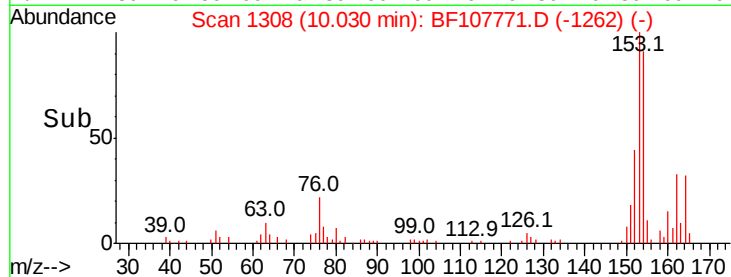
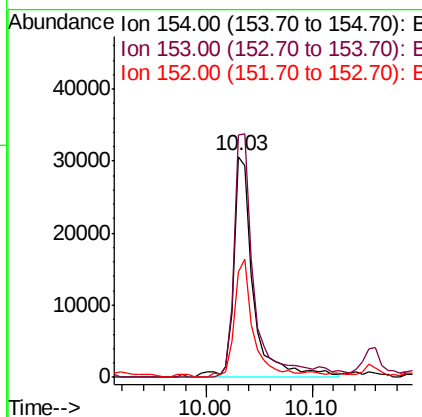
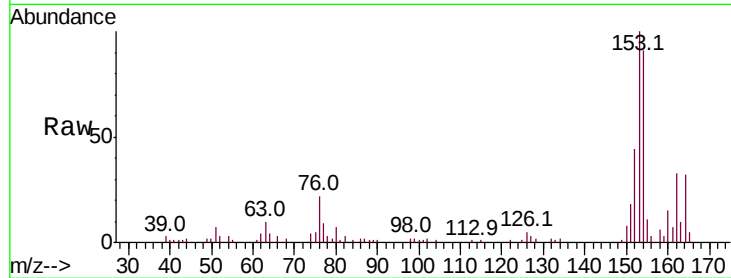
#51
Acenaphthene
Concen: 2.712 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.03 min
Lab File: BF107771.D
Acq: 28 Jul 2018 3:22

Instrument :
BNA_F
ClientSampleId :
SB-1(3-5)DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	109.4	91.2	136.8
152	47.9	43.8	65.8

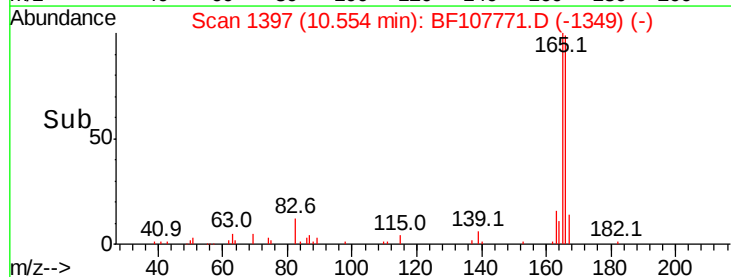
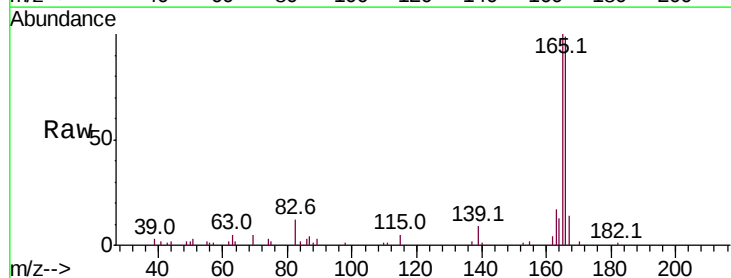
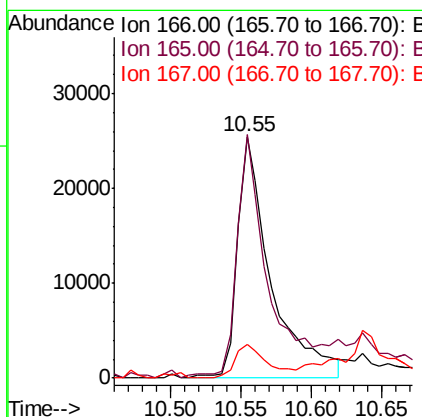
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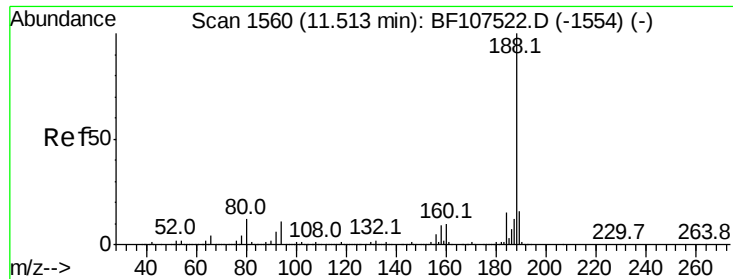
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#57
Fluorene
Concen: 2.801 ng
RT: 10.55 min Scan# 1397
Delta R.T. -0.02 min
Lab File: BF107771.D
Acq: 28 Jul 2018 3:22

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.9	79.8	119.8
167	13.9	10.6	16.0





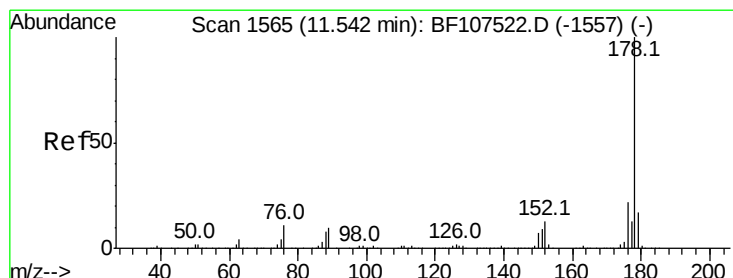
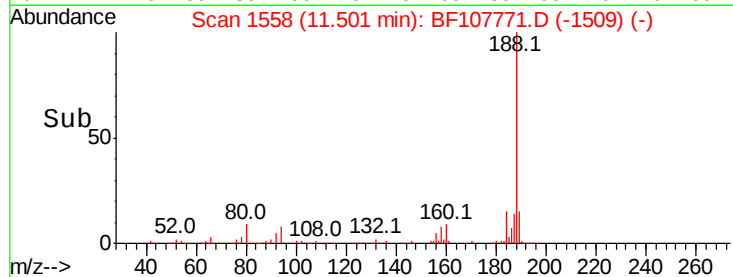
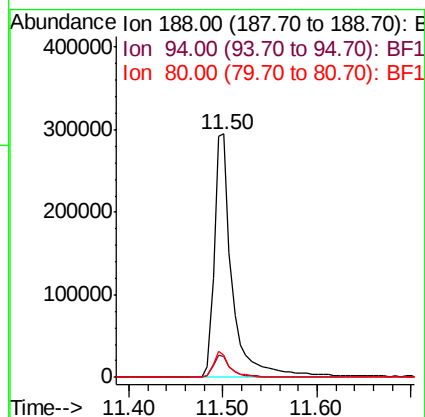
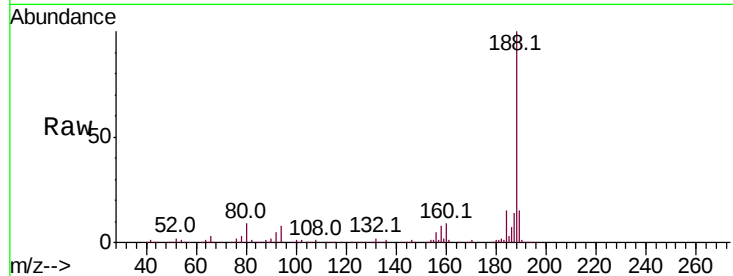
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF107771.D
Acq: 28 Jul 2018 3:22

Instrument :
BNA_F
ClientSampleId :
SB-1(3-5)DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.3	8.5	12.7#
80	9.1	9.2	13.8#

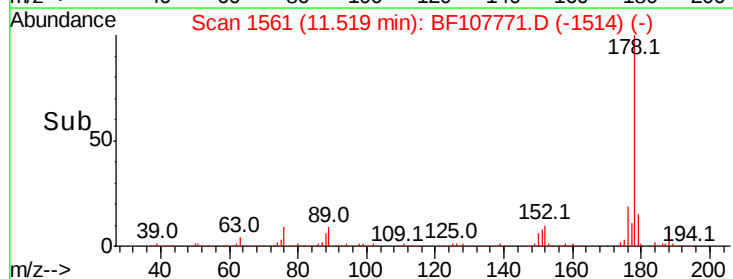
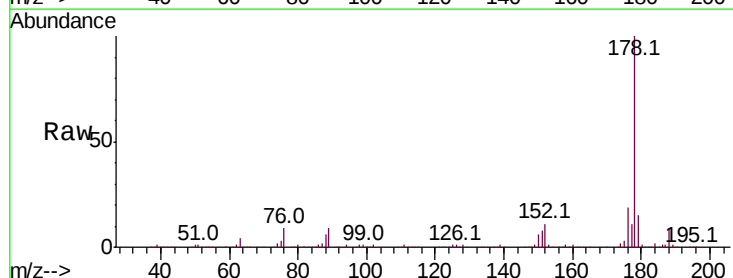
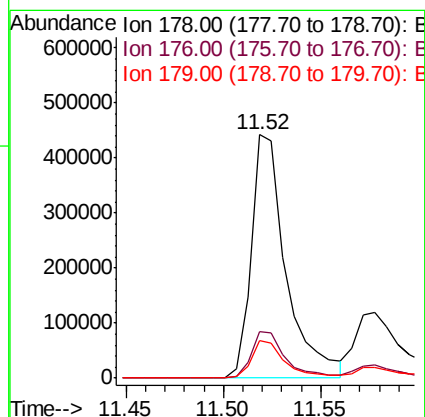
Manual Integrations
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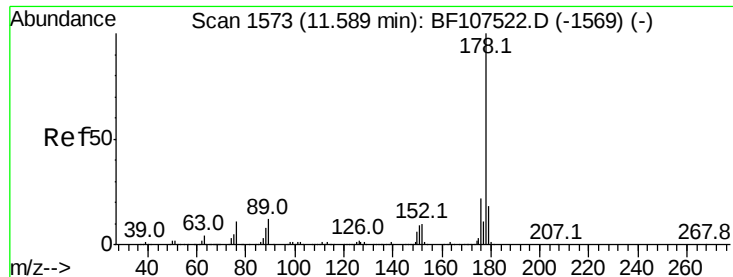
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#70
Phenanthrene
Concen: 27.953 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF107771.D
Acq: 28 Jul 2018 3:22

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.3	13.0	19.6





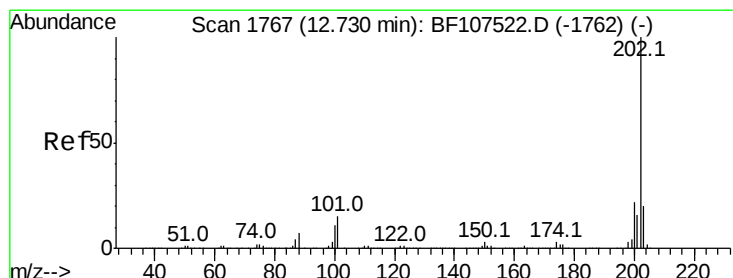
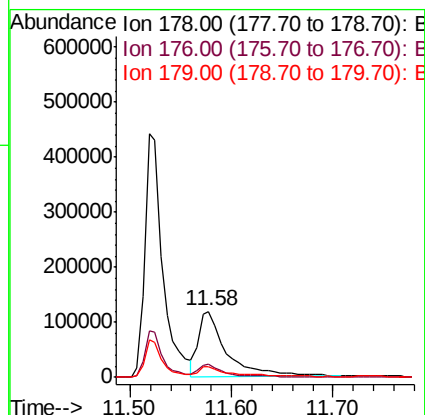
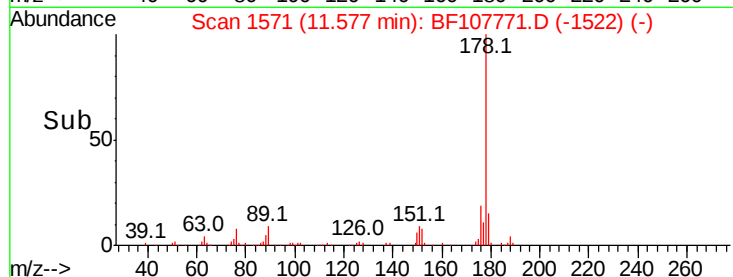
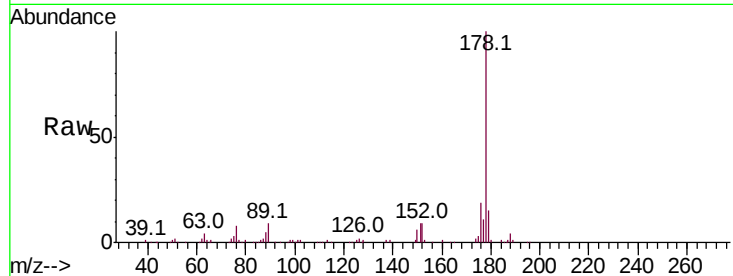
#71
 Anthracene
 Concen: 11.568 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF107771.D
 Acq: 28 Jul 2018 3:22

Instrument :
 BNA_F
 ClientSampled :
 SB-1(3-5)DL

Tot Ion:	178	Resp:	227781
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.4	23.2
179	15.4	12.6	19.0

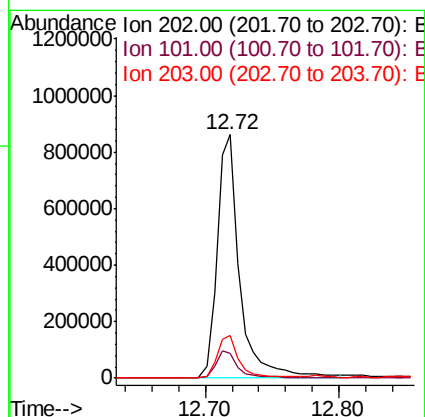
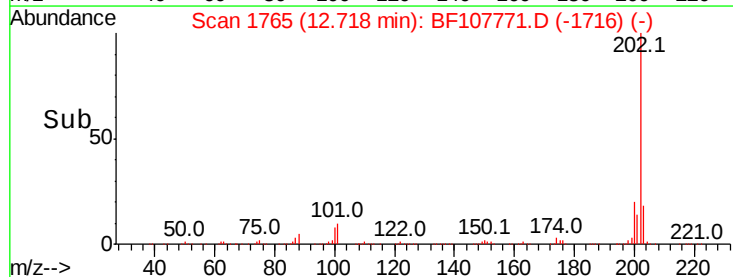
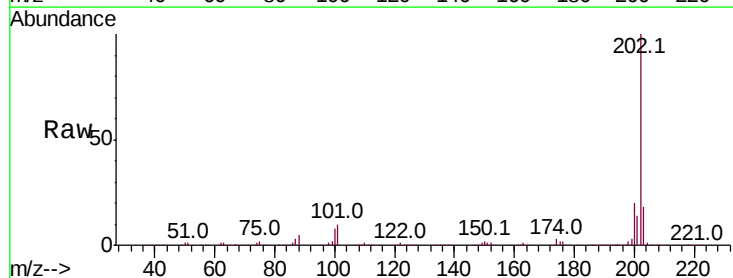
Manual Integrations
 APPROVED

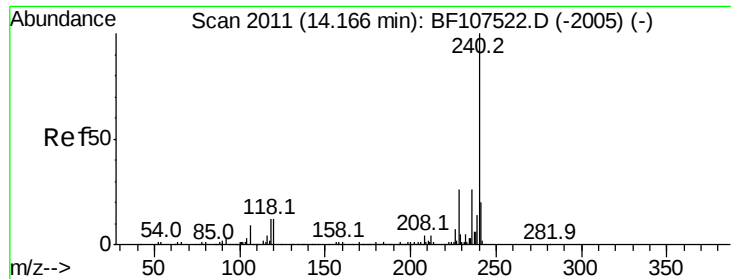
Sohil
 7/30/2018 2:03:30 PM



#74
 Fluoranthene
 Concen: 48.629 ng
 RT: 12.72 min Scan# 1765
 Delta R.T. -0.01 min
 Lab File: BF107771.D
 Acq: 28 Jul 2018 3:22

Tgt Ion:	202	Resp:	1020489
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF107771.D

Acq: 28 Jul 2018 3:22

Instrument :

BNA_F

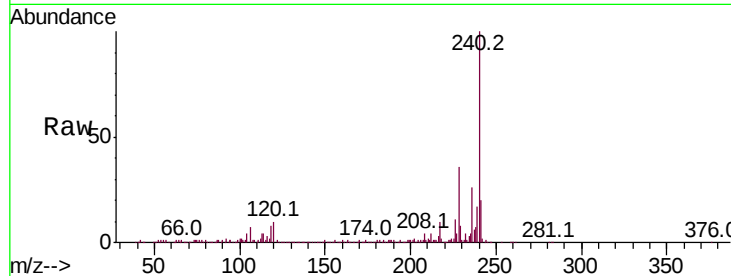
ClientSampleId :

SB-1(3-5)DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	9.5	14.3
236	26.1	20.7	31.1

Manual Integrations
APPROVED

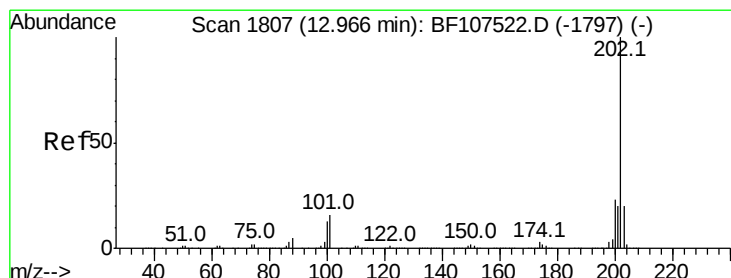
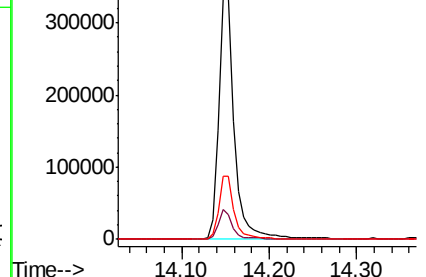
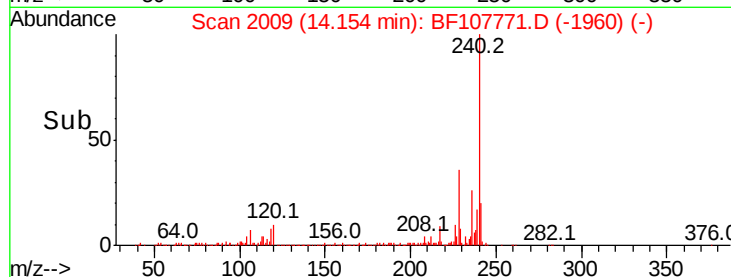
Sohil
7/30/2018 2:03:30 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 30.775 ng

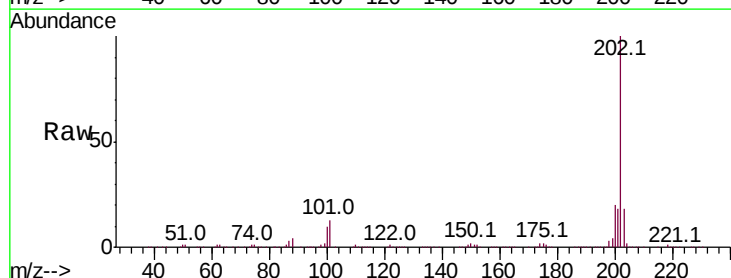
RT: 12.95 min Scan# 1804

Delta R.T. -0.02 min

Lab File: BF107771.D

Acq: 28 Jul 2018 3:22

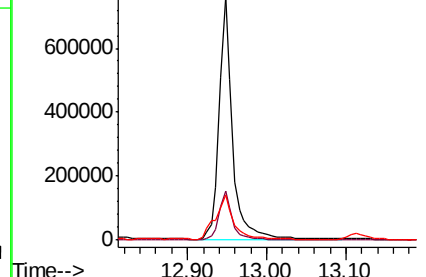
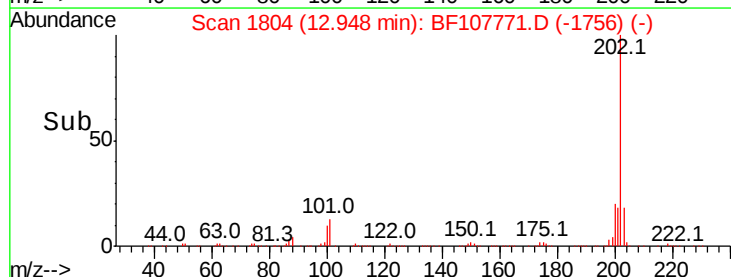
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.4	26.2
203	18.5	14.3	21.5

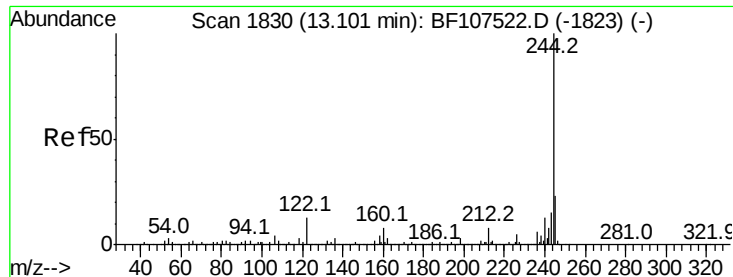


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





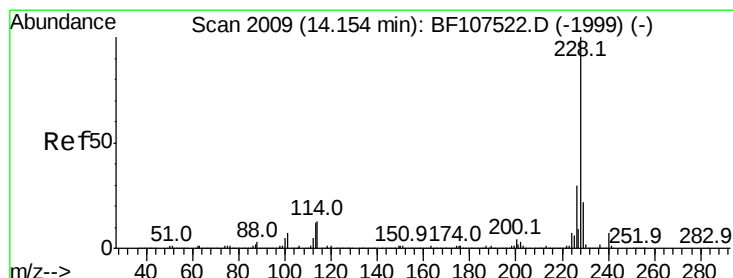
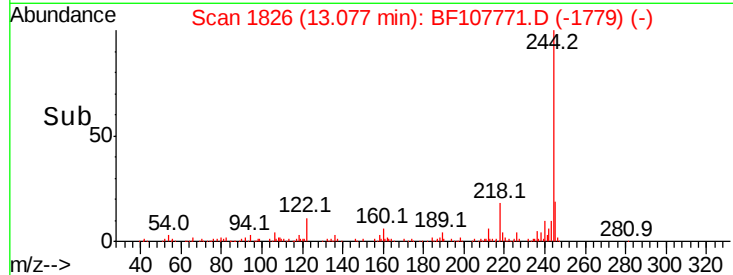
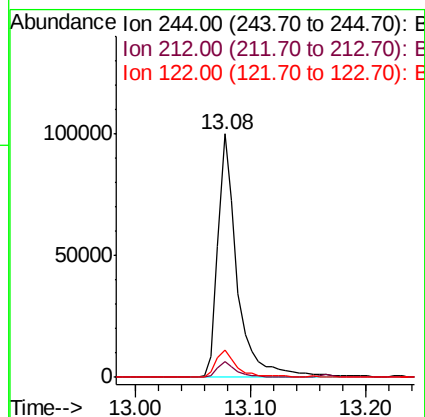
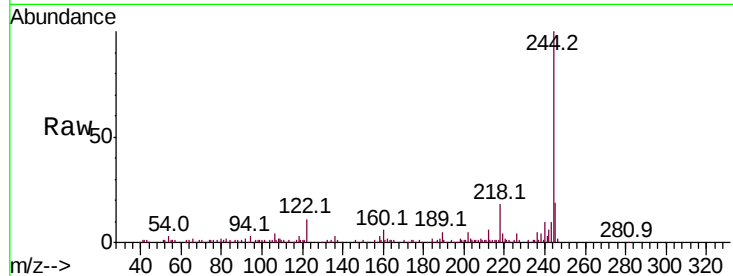
#78
 Terphenyl-d14
 Concen: 7.040 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.02 min
 Lab File: BF107771.D
 Acq: 28 Jul 2018 3:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(3-5)DL

Tot Ion:	244	Resp:	116484
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.4	8.0
122	11.3	11.0	16.4

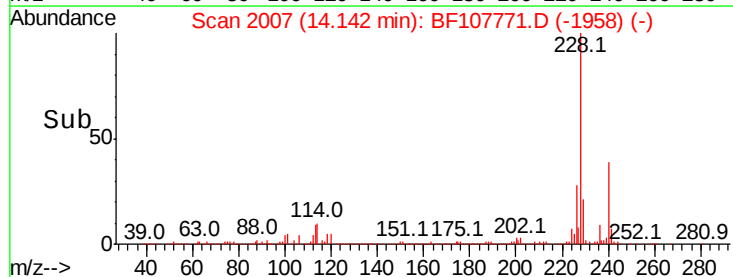
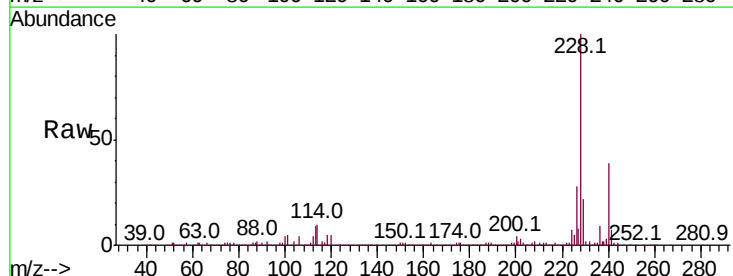
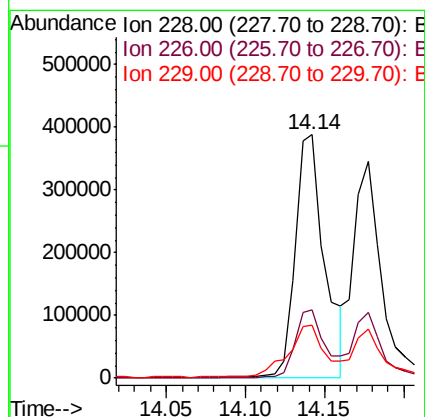
Manual Integrations
 APPROVED

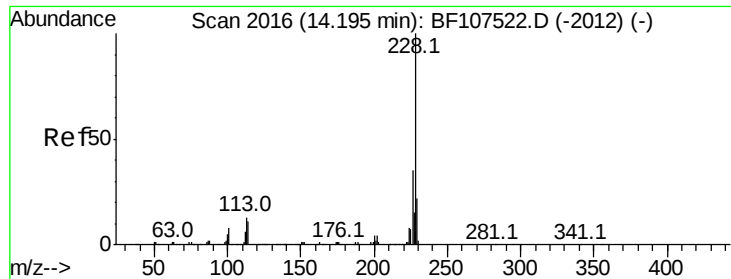
Sohil
 7/30/2018 2:03:30 PM



#80
 Benzo(a)anthracene
 Concen: 19.978 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF107771.D
 Acq: 28 Jul 2018 3:22

Tgt Ion:	228	Resp:	495919
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.6	33.8
229	21.7	15.8	23.6





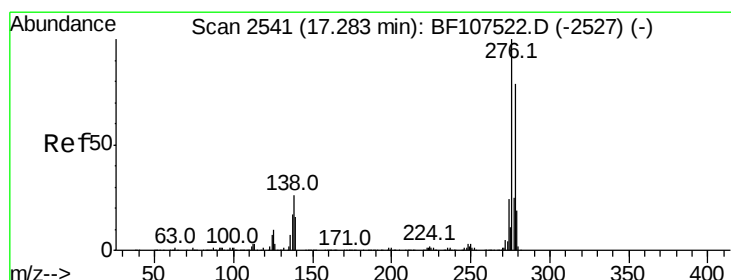
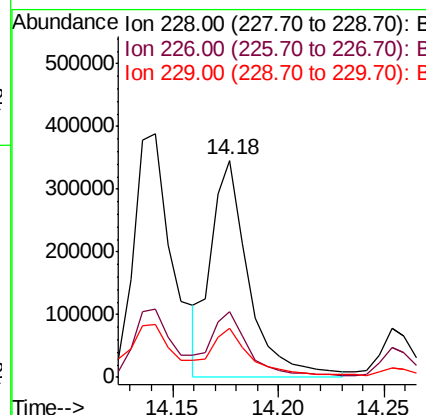
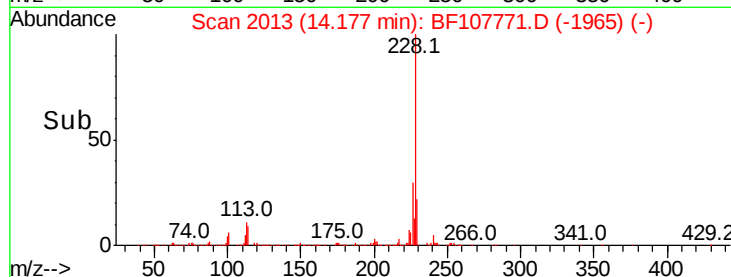
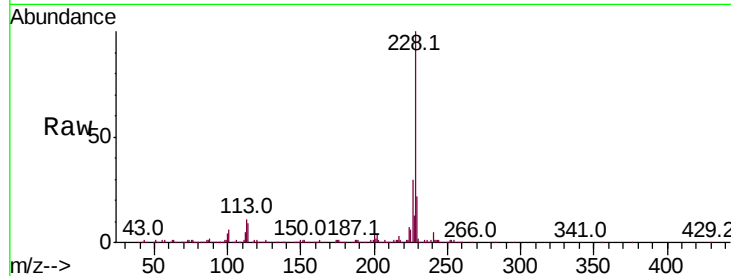
#82
Chrysene
Concen: 17.997 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.02 min
Lab File: BF107771.D
Acq: 28 Jul 2018 3:22

Instrument :
BNA_F
ClientSampleId :
SB-1(3-5)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	22.4	16.2	24.4

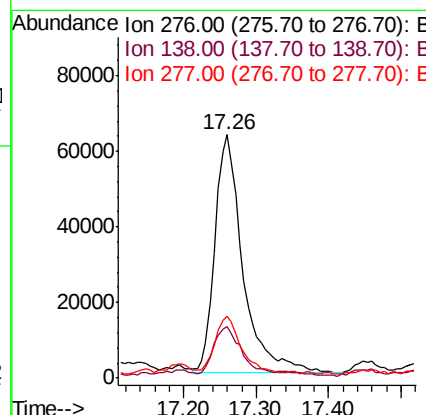
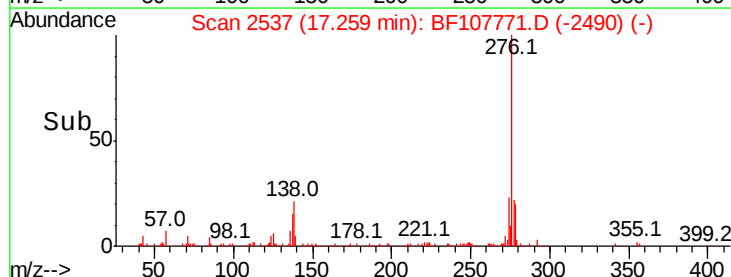
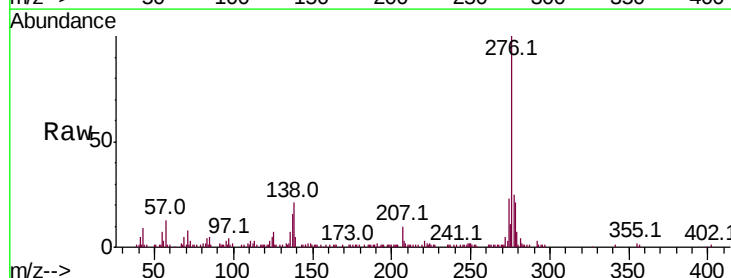
Manual Integrations
APPROVED

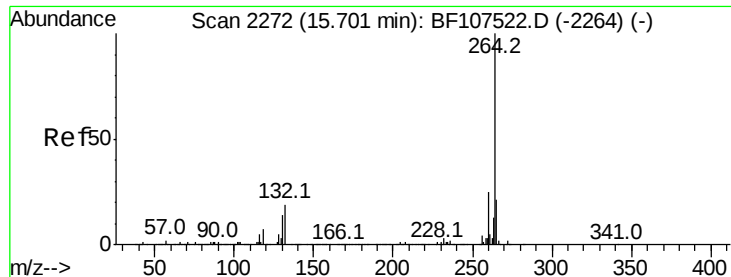
Sohil
7/30/2018 2:03:30 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 8.425 ng
RT: 17.26 min Scan# 2537
Delta R.T. -0.02 min
Lab File: BF107771.D
Acq: 28 Jul 2018 3:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.0	25.0	37.6#
277	23.1	20.1	30.1





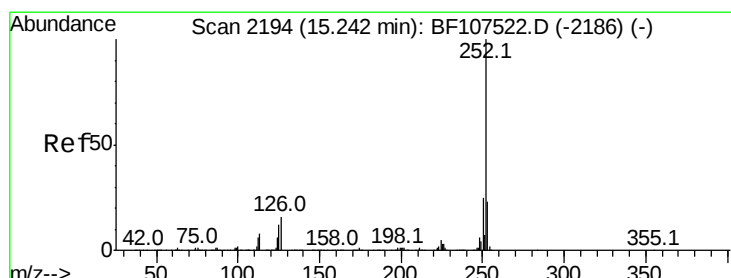
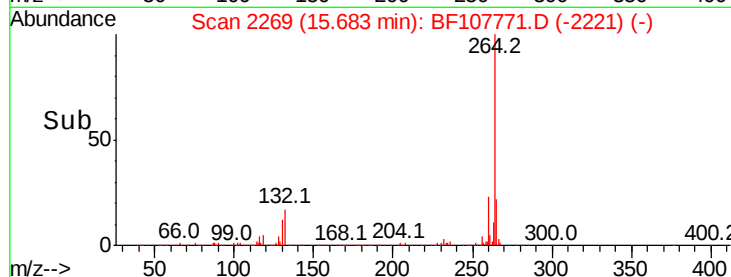
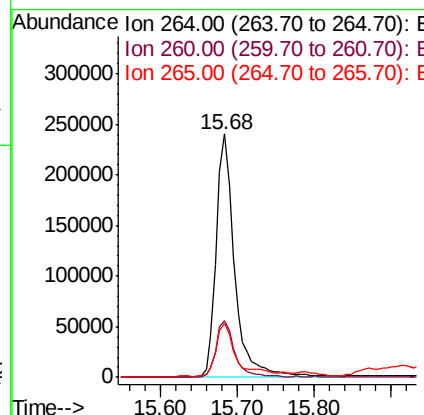
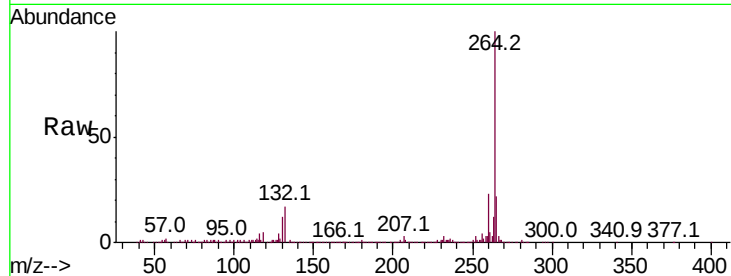
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF107771.D
Acq: 28 Jul 2018 3:22

Instrument :
BNA_F
ClientSampleId :
SB-1(3-5)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	22.2	17.5	26.3

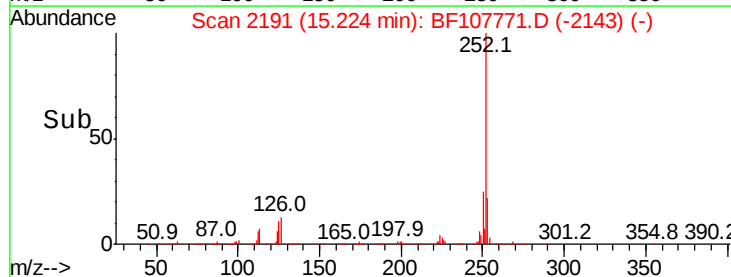
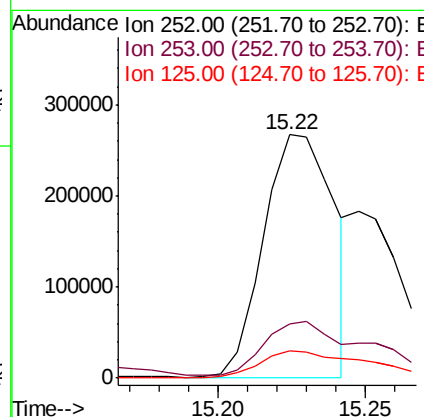
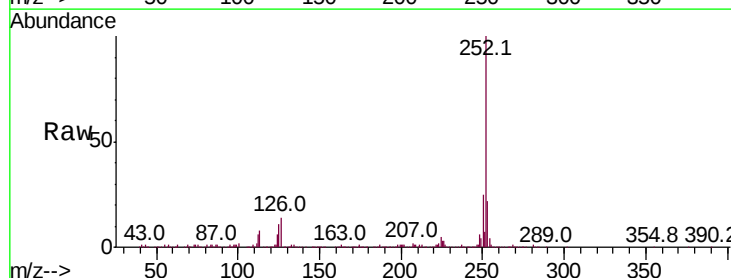
Manual Integrations
APPROVED

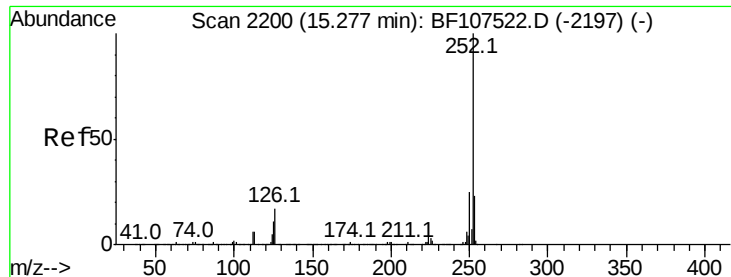
Sohil
7/30/2018 2:03:30 PM



#87
Benzo(b)fluoranthene
Concen: 20.700 ng m
RT: 15.22 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BF107771.D
Acq: 28 Jul 2018 3:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	11.0	9.0	13.6





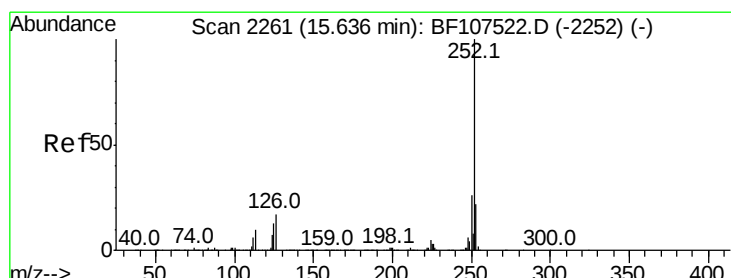
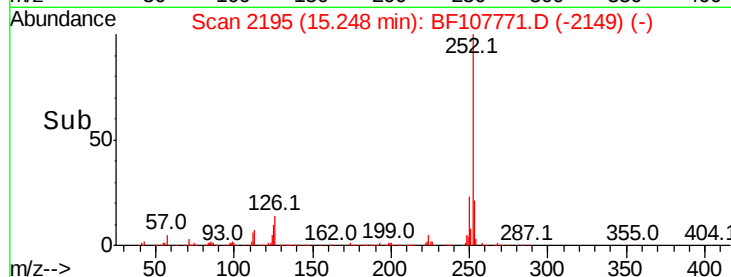
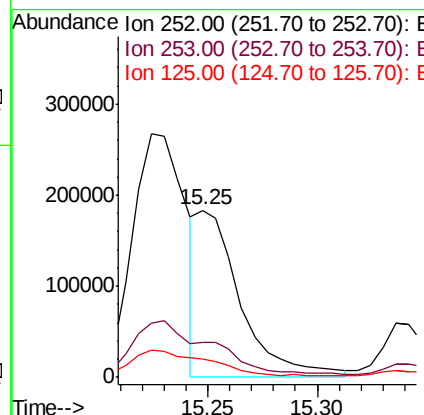
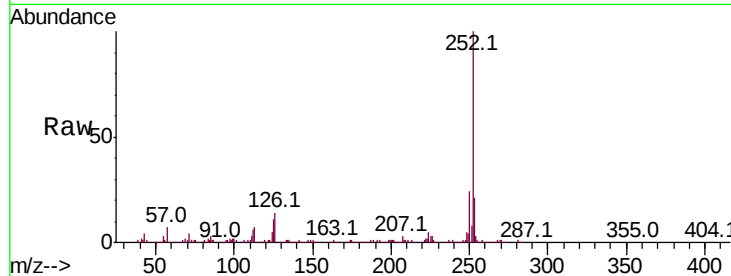
#88
Benzo(k)fluoranthene
Concen: 11.831 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.03 min
Lab File: BF107771.D
Acq: 28 Jul 2018 3:22

Instrument :
BNA_F
ClientSampleId :
SB-1(3-5)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.9	26.9
125	10.7	10.2	15.2

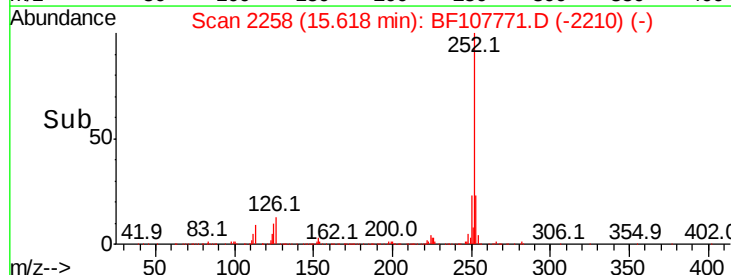
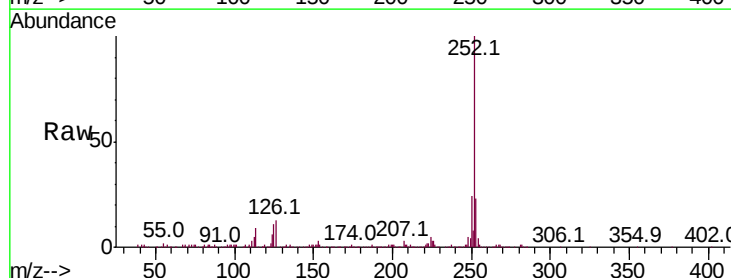
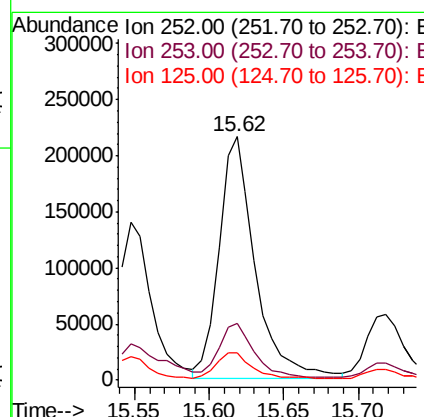
Manual Integrations
APPROVED

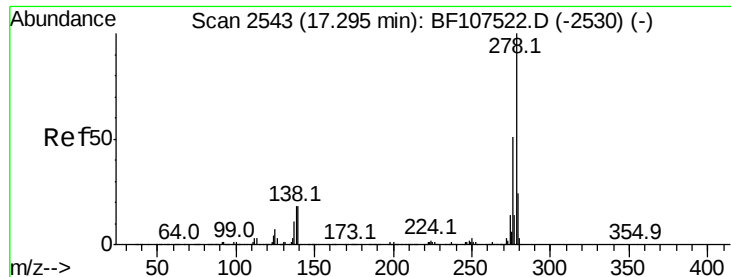
Sohil
7/30/2018 2:03:30 PM



#89
Benzo(a)pyrene
Concen: 18.443 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.02 min
Lab File: BF107771.D
Acq: 28 Jul 2018 3:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	11.0	9.8	14.6





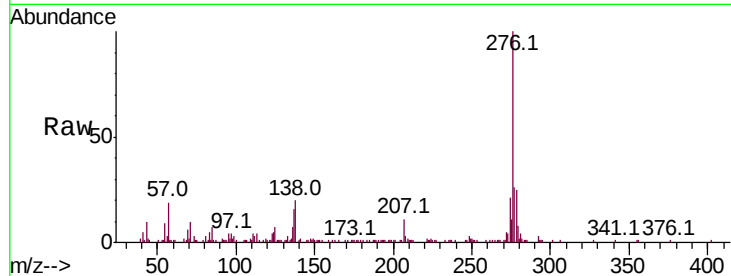
#90
Dibenzo(a,h)anthracene
Concen: 2.126 ng m
RT: 17.27 min Scan# 2538
Delta R.T. -0.03 min
Lab File: BF107771.D
Acq: 28 Jul 2018 3:22

Instrument :
BNA_F
ClientSampled :
SB-1(3-5)DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	32.4	19.0	28.4#

Manual Integrations
APPROVED

Sohil
7/30/2018 2:03:30 PM

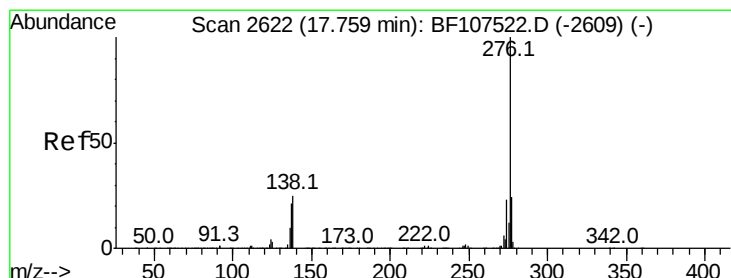
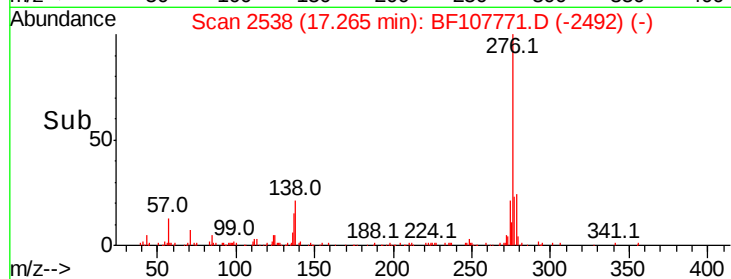
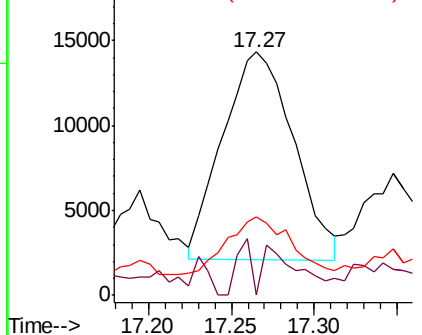


Abundance

Ion 278.00 (277.70 to 278.70): E

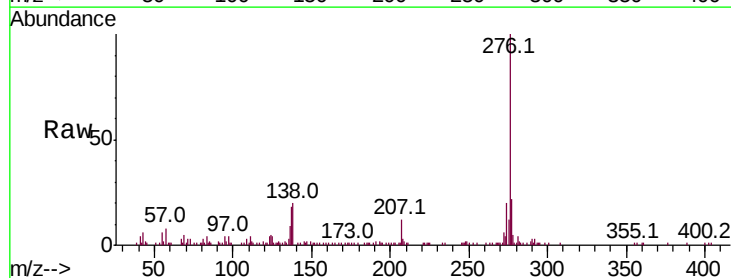
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 9.181 ng
RT: 17.74 min Scan# 2619
Delta R.T. -0.02 min
Lab File: BF107771.D
Acq: 28 Jul 2018 3:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.3	17.9	26.9
138	20.3	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

