

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
 Data File : BF107821.D
 Acq On : 31 Jul 2018 00:47
 Operator : JU/SJ
 Sample : J4143-09 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Jul 31 04:14:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	183330	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	781065	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	297764	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	502489	20.00	ng	0.00
75) Chrysene-d12	14.15	240	473785	20.00	ng	0.00
86) Perylene-d12	15.69	264	375025	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	608929	56.45	ng	0.00
7) Phenol-d6	6.60	99	865220	60.86	ng	0.00
23) Nitrobenzene-d5	7.52	82	507254	37.41	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	180562	44.63	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	877078	41.05	ng	0.00
78) Terphenyl-d14	13.09	244	720191	32.96	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.71	163	74481	3.331	ng	99
51) Acenaphthene	10.03	154	65115	3.538	ng	96
57) Fluorene	10.55	166	62593	2.832	ng	# 94
70) Phenanthrene	11.52	178	496452	20.807	ng	99
71) Anthracene	11.58	178	178400	6.482	ng	100
74) Fluoranthene	12.72	202	914331	32.619	ng	97
77) Pyrene	12.96	202	826771	24.234	ng	96
80) Benzo(a)anthracene	14.14	228	451241	16.813	ng	95
82) Chrysene	14.18	228	374525	12.938	ng	98
85) Indeno(1,2,3-cd)pyrene	17.28	276	149816	6.804	ng	# 87
87) Benzo(b)fluoranthene	15.23	252	368147m	19.904	ng	
88) Benzo(k)fluoranthene	15.26	252	205026m	9.029	ng	
89) Benzo(a)pyrene	15.62	252	288311	15.099	ng	# 93
91) Benzo(a,h,i)perylene	17.76	276	141585	8.785	ng	# 90

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

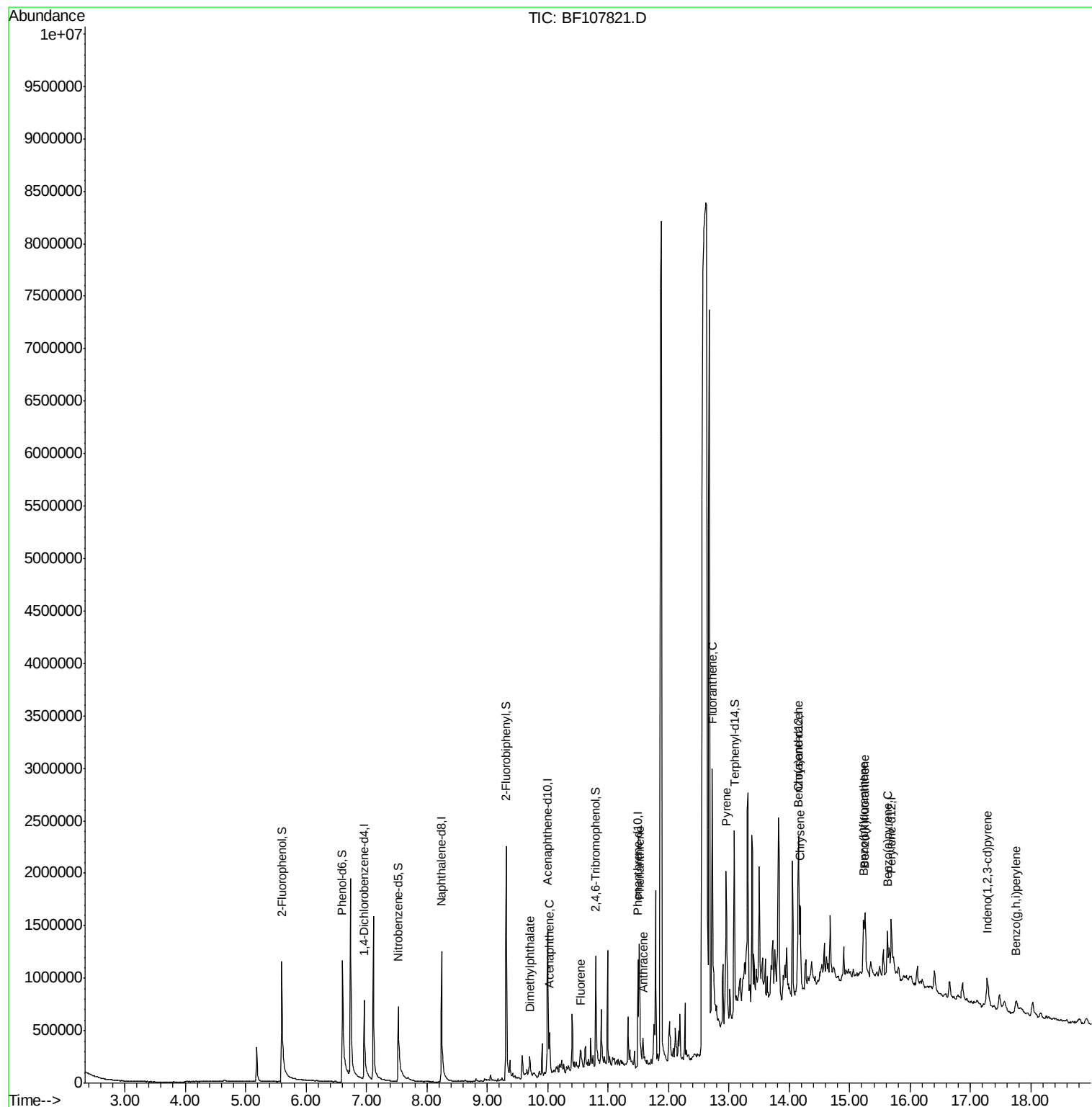
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
Data File : BF107821.D
Acq On : 31 Jul 2018 00:47
Operator : JU/SJ
Sample : J4143-09 2X
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ALS Vial : 22 Sample Multiplier: 1

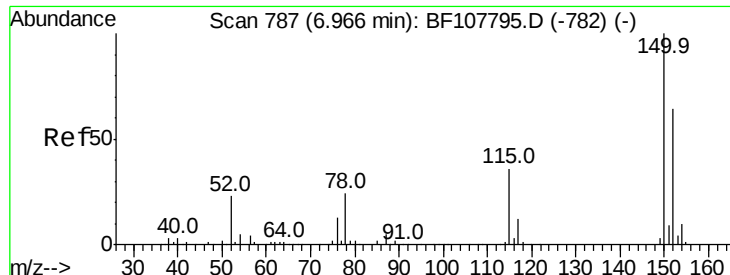
Instrument :
BNA_F
ClientSampleId :
SB-3(3-5)

Quant Time: Jul 31 04:14:14 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 30 17:48:53 2018
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#1

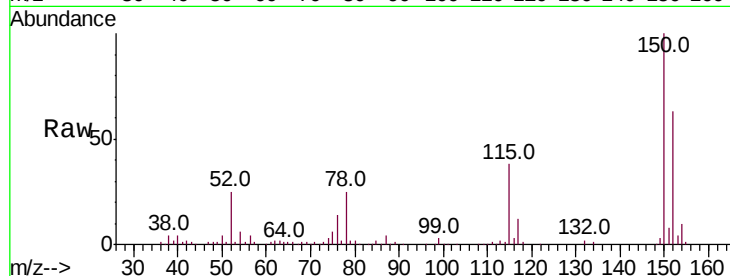
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107821.D
Acq: 31 Jul 2018 00:47

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.6	186.8
115	59.5	50.1	75.1

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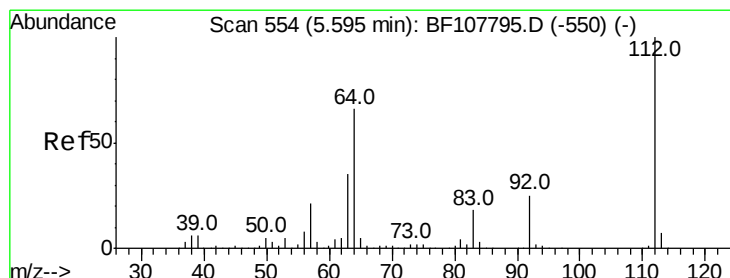
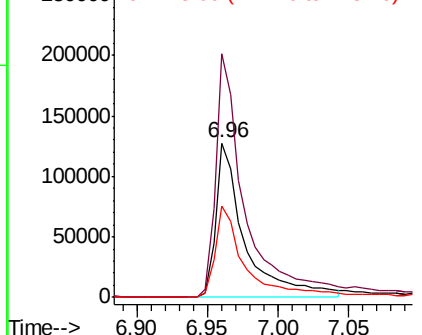
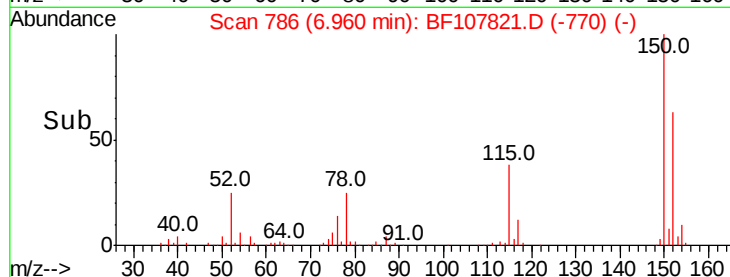


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

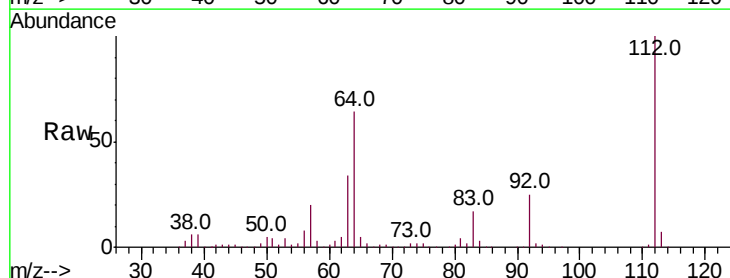
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 56.450 ng
RT: 5.60 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF107821.D
Acq: 31 Jul 2018 00:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	47.9	71.9
63	33.5	23.7	35.5

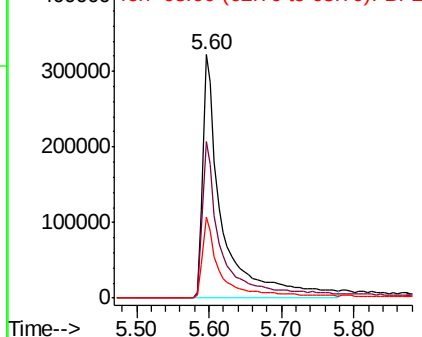
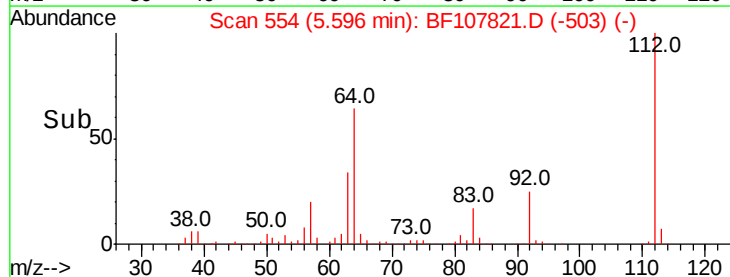


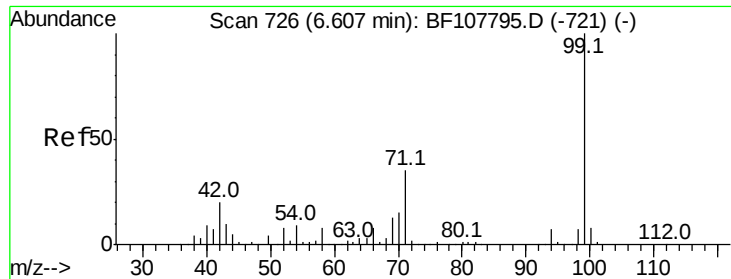
Abundance

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: 60.860 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107821.D

Acq: 31 Jul 2018 00:47

Instrument :

BNA_F

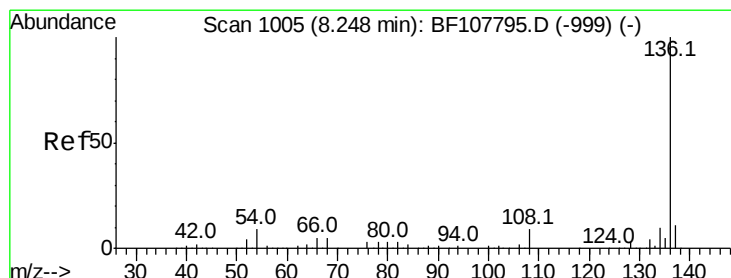
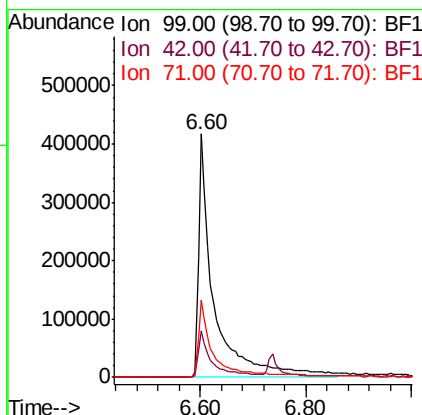
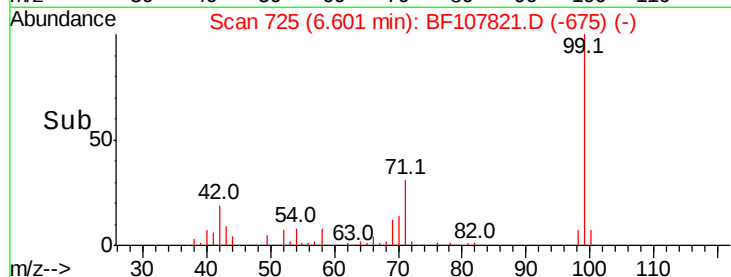
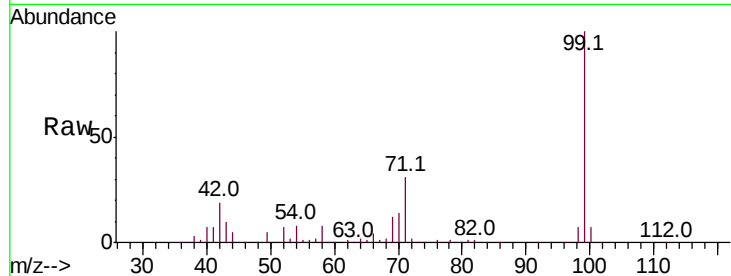
ClientSampled :

SB-3(3-5)

Tot Ion:	99	Resp:	865220
Ion Ratio	Lower	Upper	
99	100		
42	19.2	14.5	21.7
71	31.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

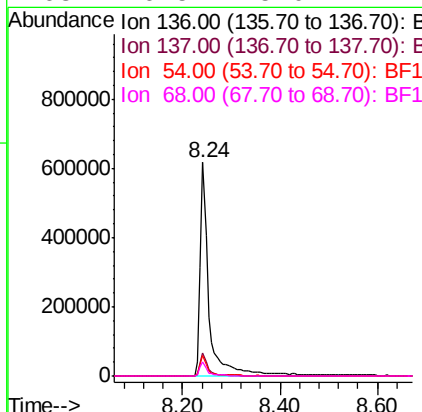
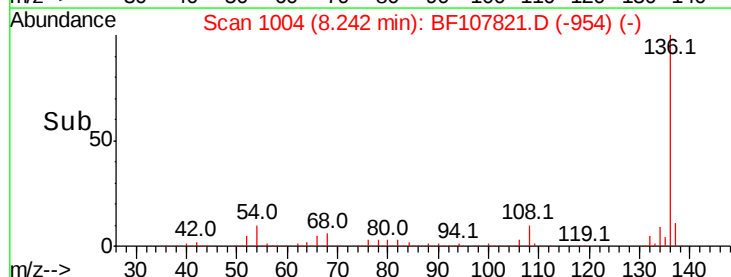
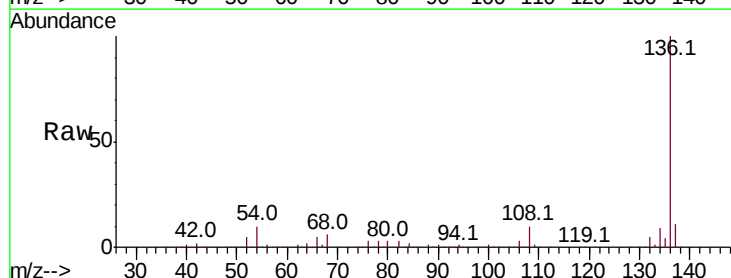
RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF107821.D

Acq: 31 Jul 2018 00:47

Tgt Ion:	136	Resp:	781065
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	9.8	6.6	9.8
68	6.5	5.0	7.4





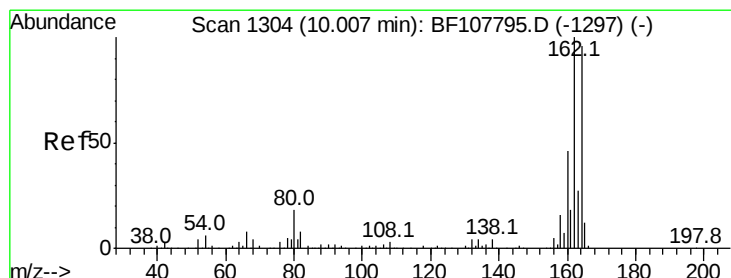
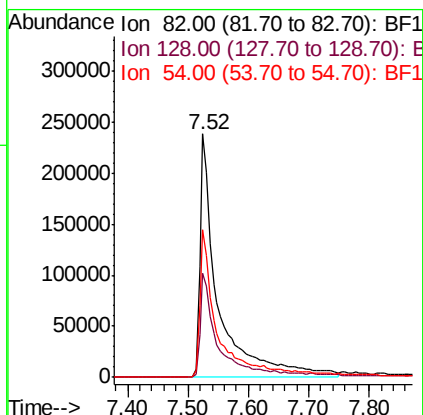
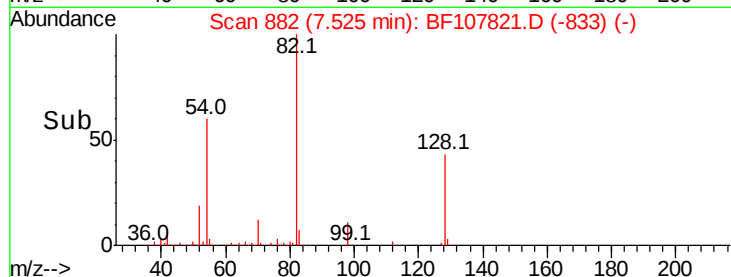
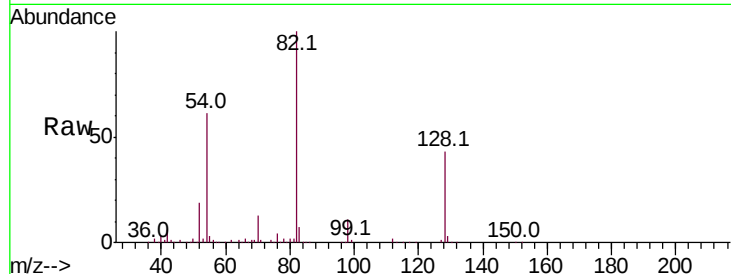
#23
Nitrobenzene-d5
Concen: 37.414 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF107821.D
Acq: 31 Jul 2018 00:47

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.0	36.1	54.1
54	60.5	41.4	62.2

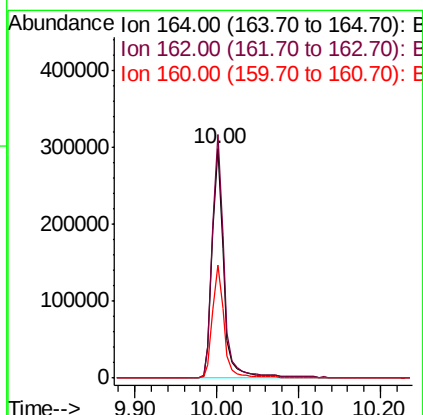
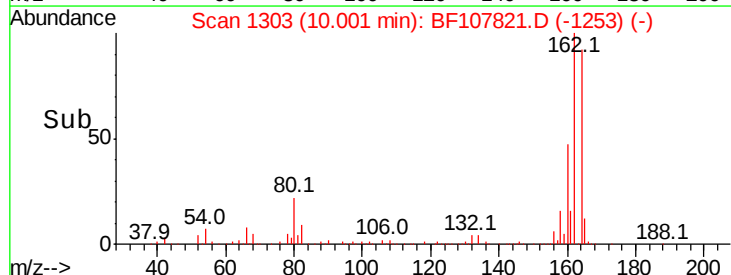
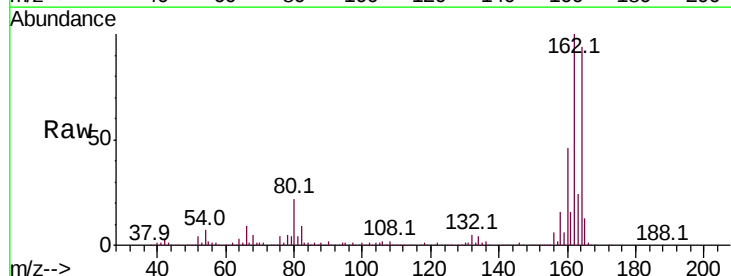
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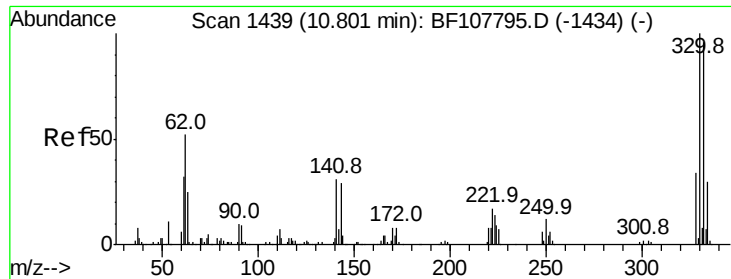
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107821.D
Acq: 31 Jul 2018 00:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.3	86.1	129.1
160	49.4	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 44.627 ng

RT: 10.80 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF107821.D

Acq: 31 Jul 2018 00:47

Instrument :

BNA_F

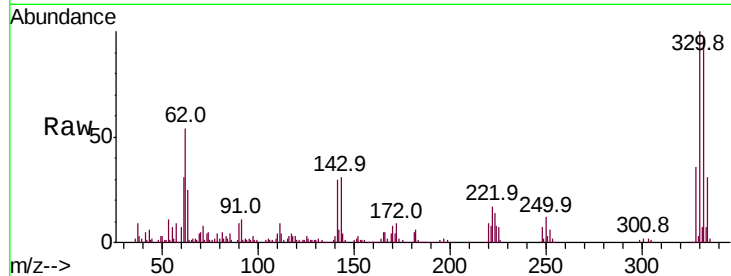
ClientSampleId :

SB-3(3-5)

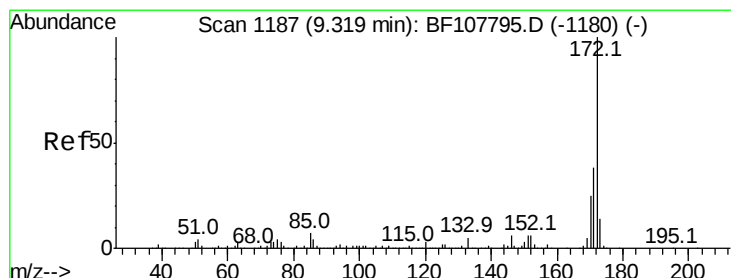
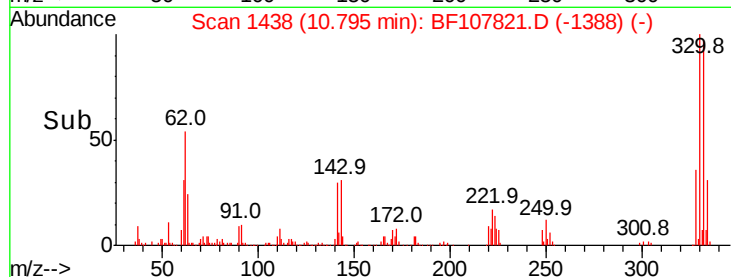
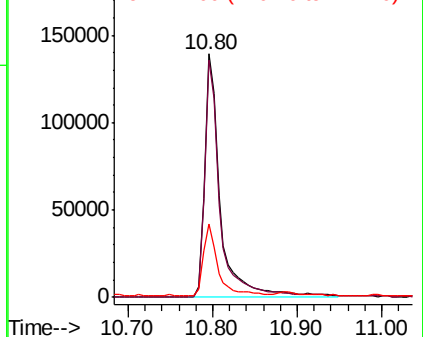
Tot Ion:	330	Resp:	180562
Ion Ratio	Lower	Upper	
330	100		
332	97.2	77.0	115.6
141	27.3	29.9	44.9#

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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: 41.046 ng

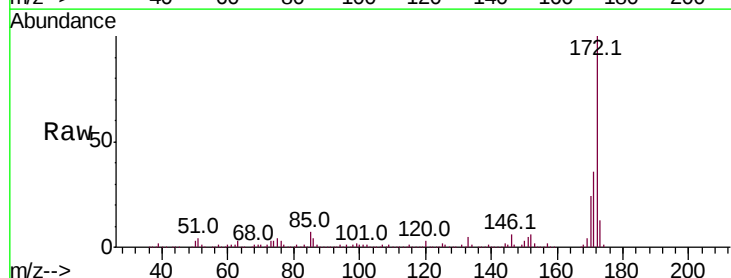
RT: 9.31 min Scan# 1186

Delta R.T. -0.01 min

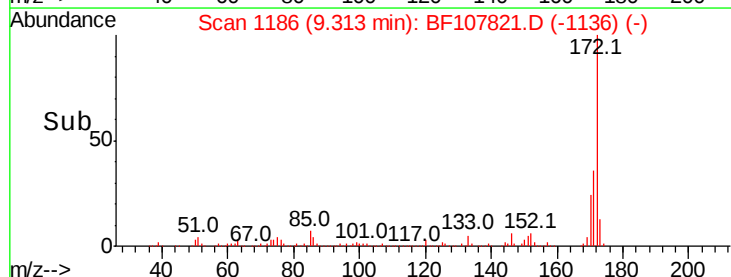
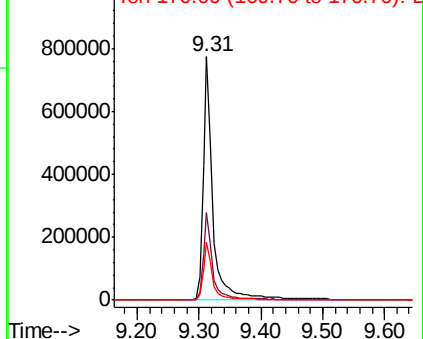
Lab File: BF107821.D

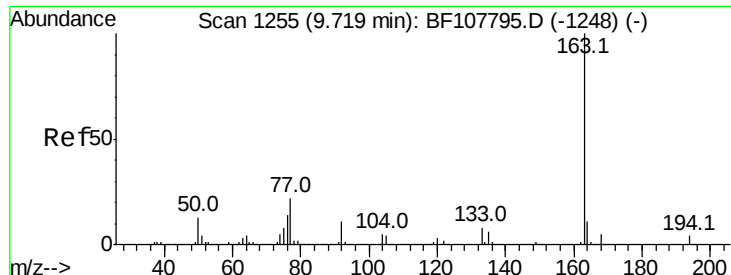
Acq: 31 Jul 2018 00:47

Tgt Ion:	172	Resp:	877078
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.7	44.5
170	24.0	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





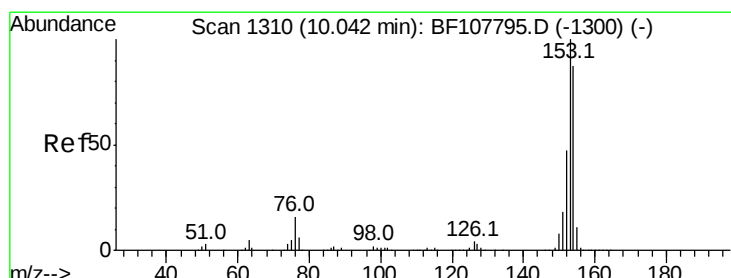
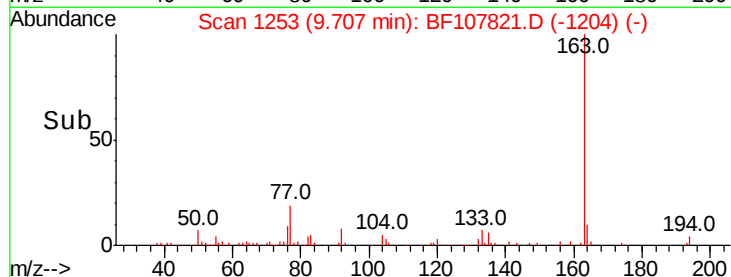
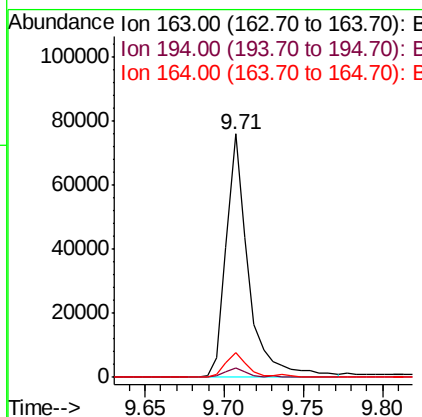
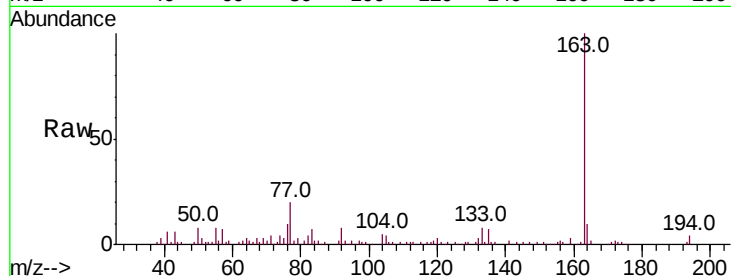
#49
Dimethylphthalate
Concen: 3.331 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF107821.D
Acq: 31 Jul 2018 00:47

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

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.7	4.1
164	10.0	8.2	12.2

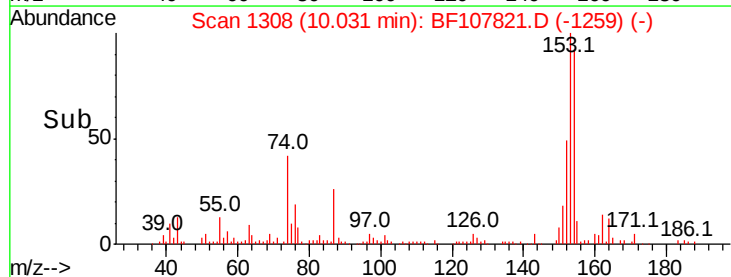
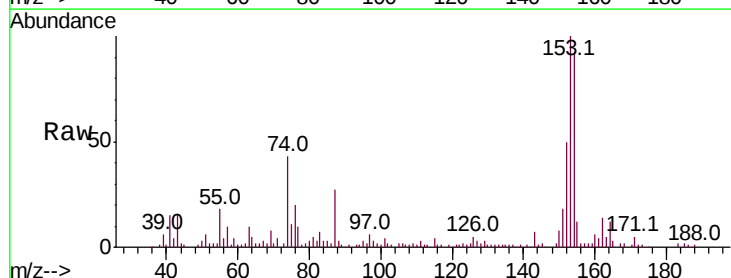
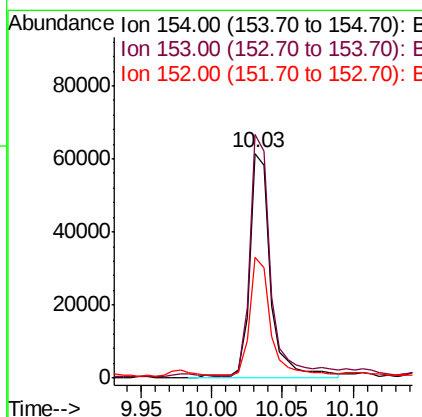
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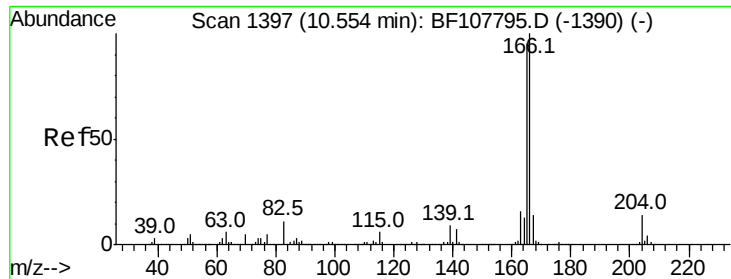
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#51
Acenaphthene
Concen: 3.538 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF107821.D
Acq: 31 Jul 2018 00:47

Tgt Ion	Ratio	Lower	Upper
154	100		
153	108.5	91.2	136.8
152	53.8	43.8	65.8





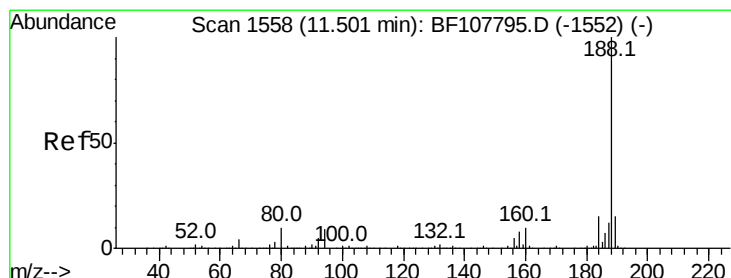
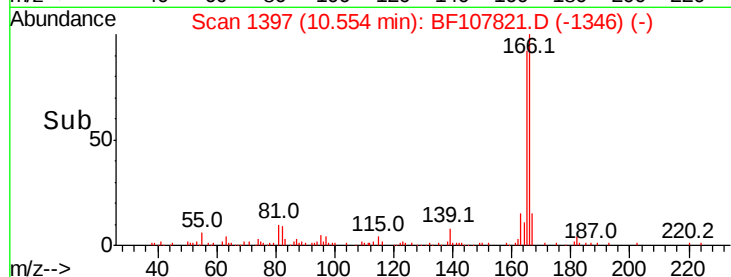
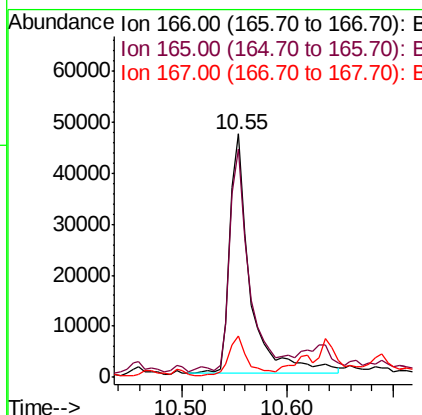
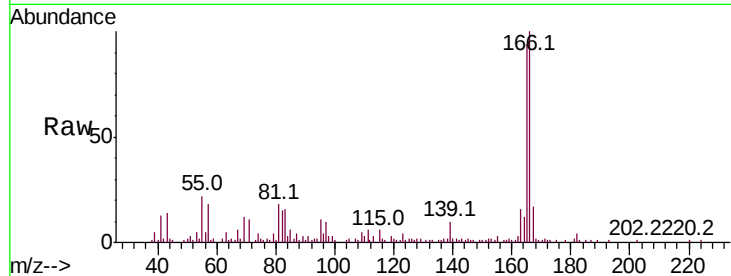
#57
Fluorene
 Concen: 2.832 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: BF107821.D
 Acq: 31 Jul 2018 00:47

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

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.0	79.8	119.8
167	16.9	10.6	16.0

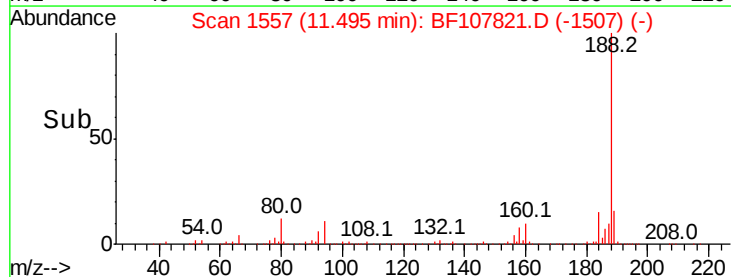
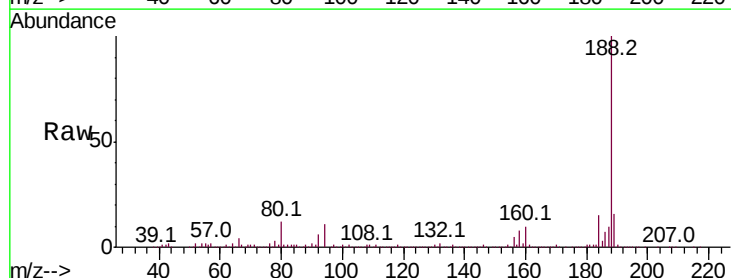
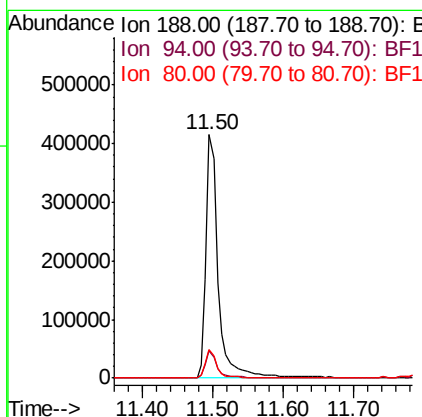
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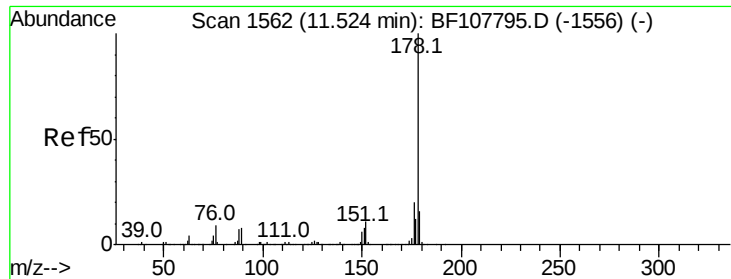
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF107821.D
 Acq: 31 Jul 2018 00:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.5	12.7
80	11.7	9.2	13.8





#70

Phenanthrene

Concen: 20.807 ng

RT: 11.52 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF107821.D

Acq: 31 Jul 2018 00:47

Instrument :

BNA_F

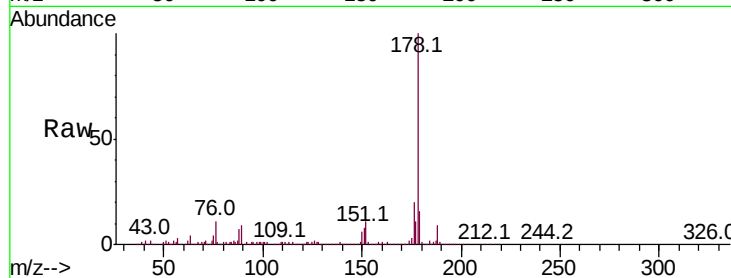
ClientSampled :

SB-3(3-5)

Tot Ion:	178	Resp:	496452
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.8	23.8
179	15.9	13.0	19.6

Manual Integrations
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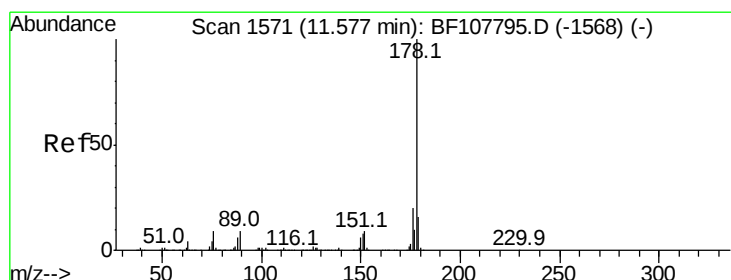
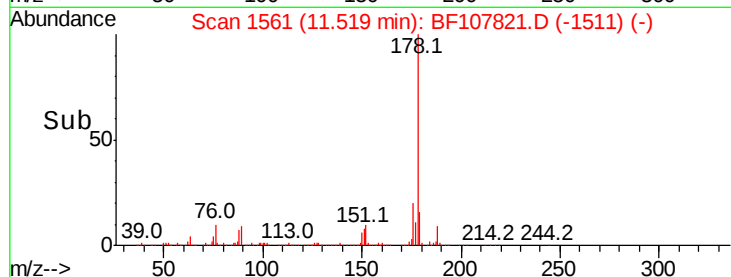
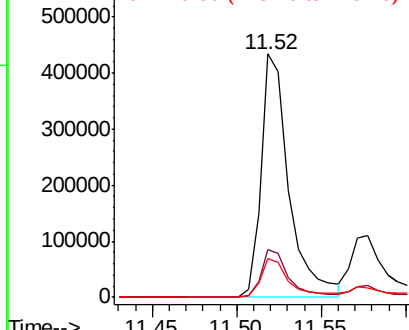


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 6.482 ng

RT: 11.58 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BF107821.D

Acq: 31 Jul 2018 00:47

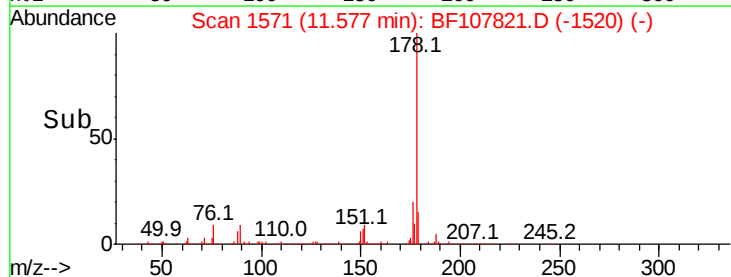
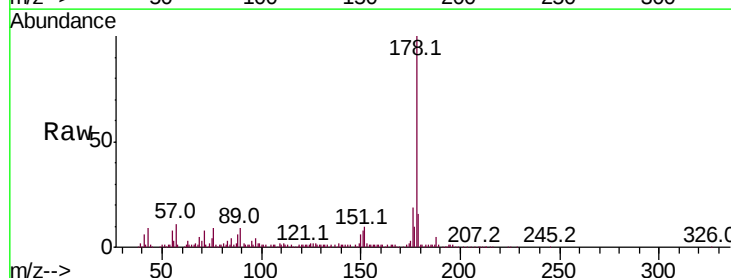
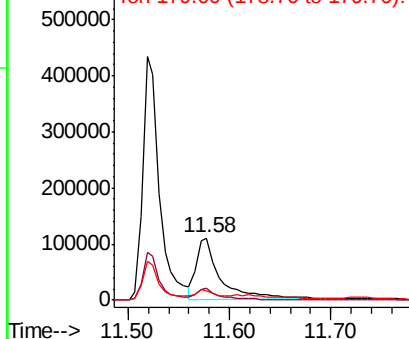
Tgt Ion:	178	Resp:	178400
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.4	23.2
179	15.8	12.6	19.0

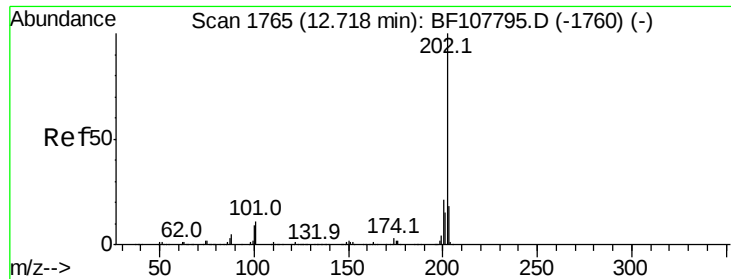
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 32.619 ng

RT: 12.72 min Scan# 1766

Delta R.T. 0.01 min

Lab File: BF107821.D

Acq: 31 Jul 2018 00:47

Instrument :

BNA_F

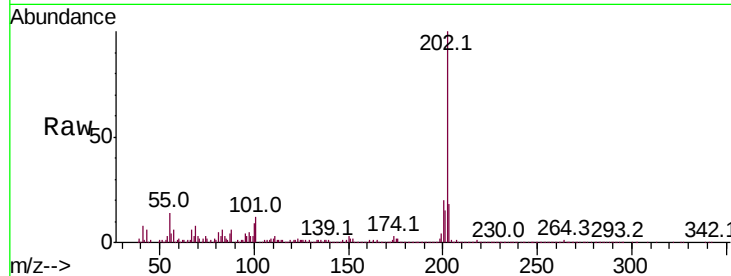
ClientSampled :

SB-3(3-5)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	914331		
101	11.6	0.0	34.1	
203	17.8	0.0	38.1	

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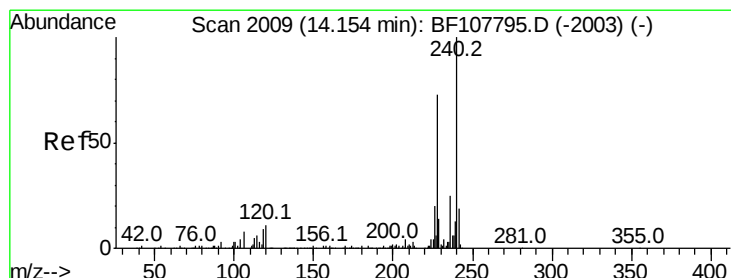
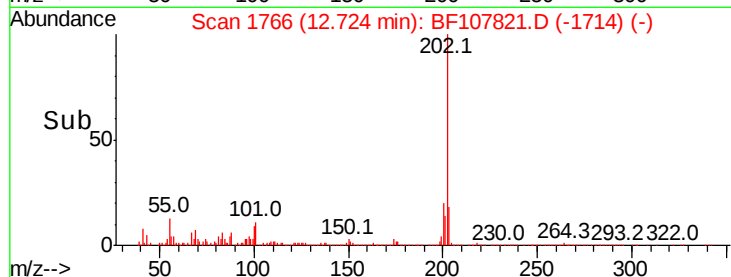
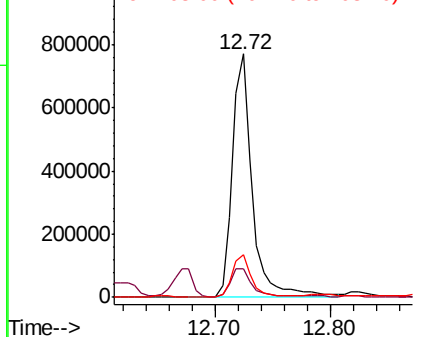


Abundance

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

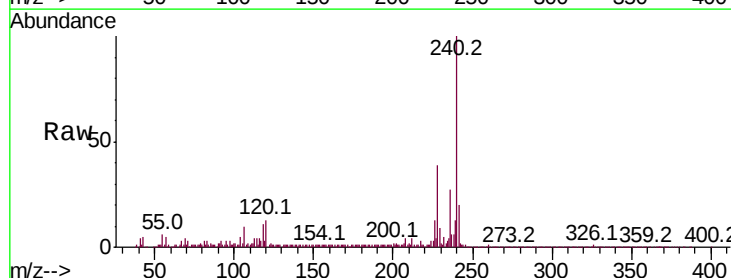
RT: 14.15 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BF107821.D

Acq: 31 Jul 2018 00:47

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	473785		
120	12.8	9.5	14.3	
236	26.6	20.7	31.1	

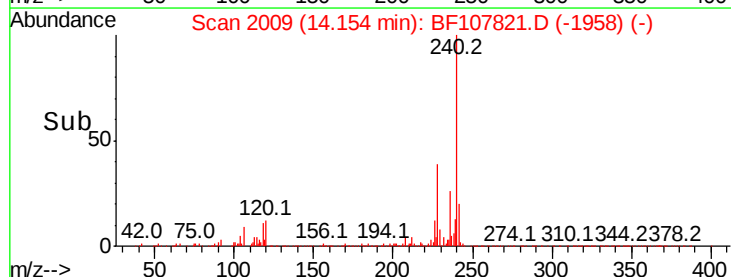
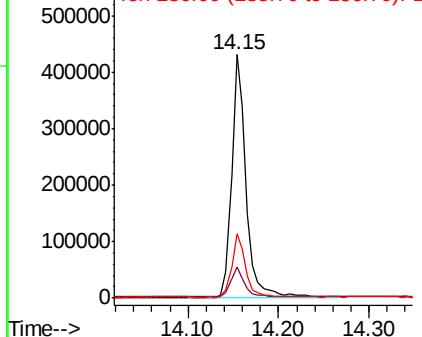


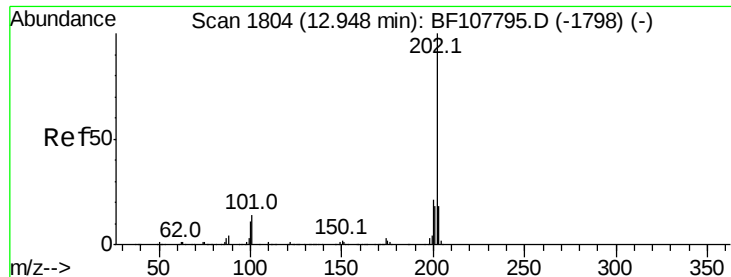
Abundance

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





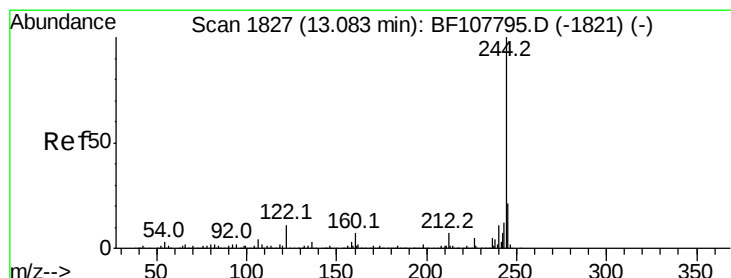
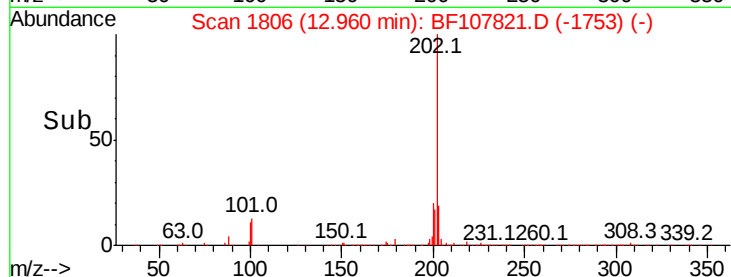
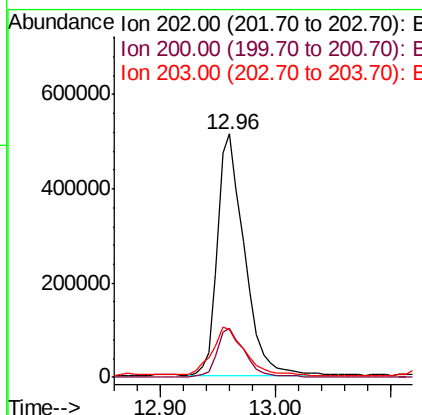
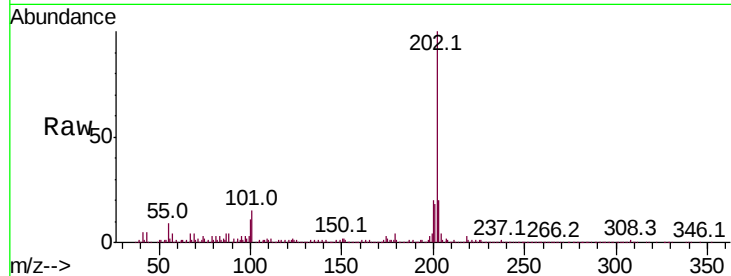
#77
Pvrene
Concen: 24.234 ng
RT: 12.96 min Scan# 1806
Delta R.T. 0.01 min
Lab File: BF107821.D
Acq: 31 Jul 2018 00:47

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.4	26.2
203	19.6	14.3	21.5

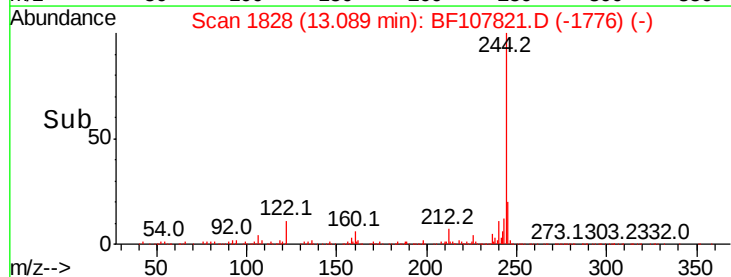
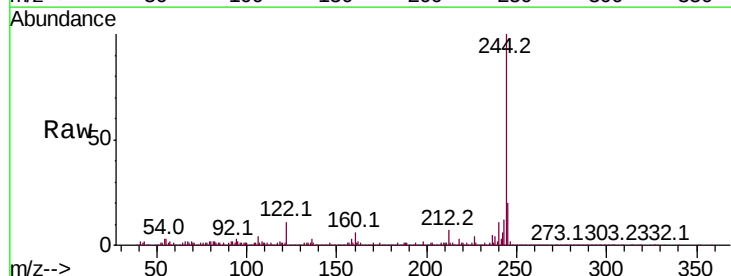
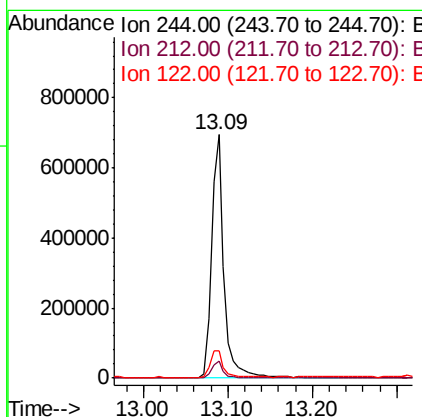
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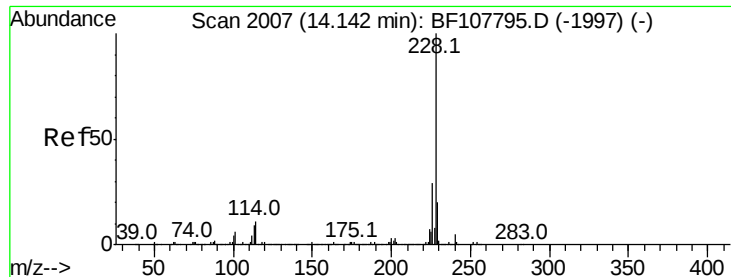
Sohil
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#78
Terphenyl-d14
Concen: 32.962 ng
RT: 13.09 min Scan# 1828
Delta R.T. 0.01 min
Lab File: BF107821.D
Acq: 31 Jul 2018 00:47

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.2	11.0	16.4





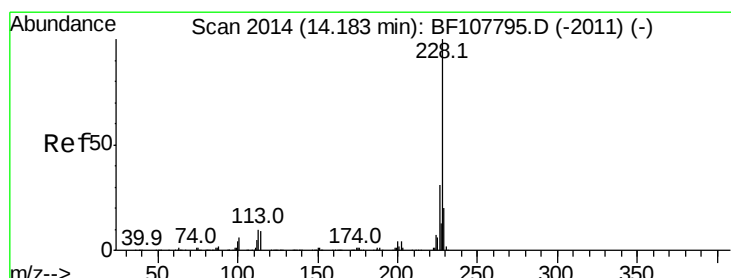
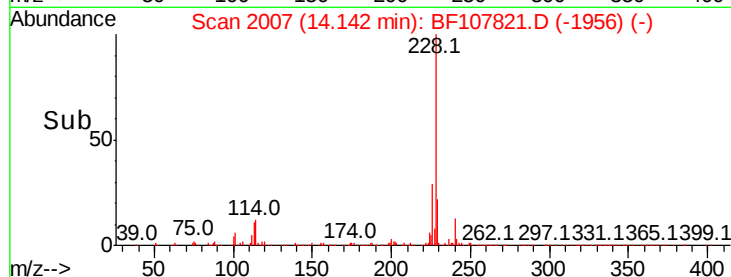
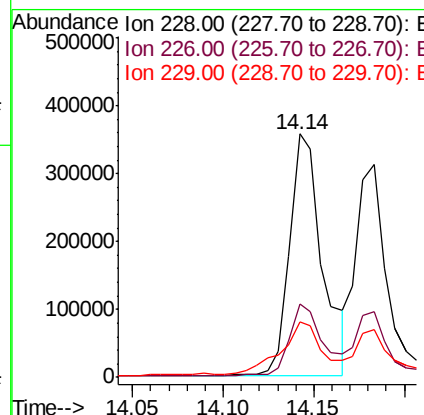
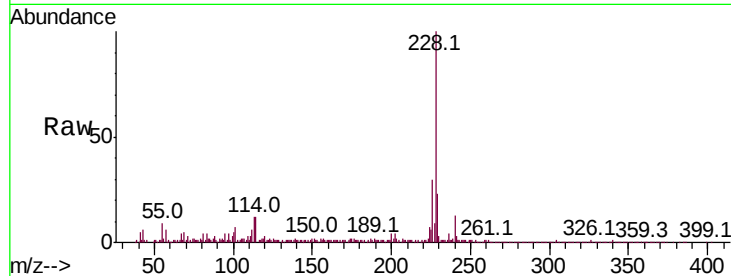
#80
Benzo(a)anthracene
Concen: 16.813 ng
RT: 14.14 min Scan# 2007
Delta R.T. 0.00 min
Lab File: BF107821.D
Acq: 31 Jul 2018 00:47

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.6	33.8
229	23.0	15.8	23.6

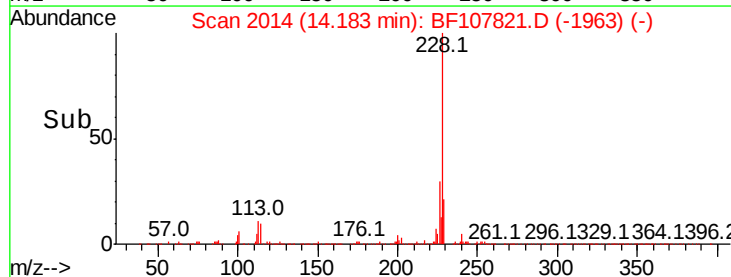
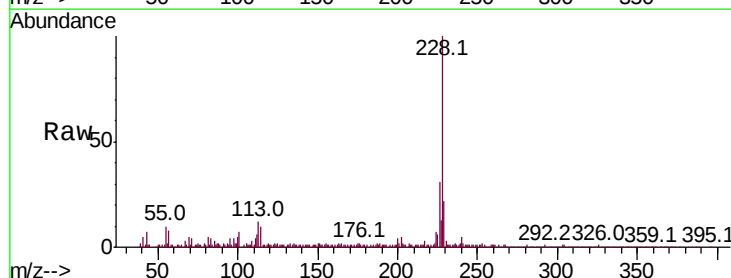
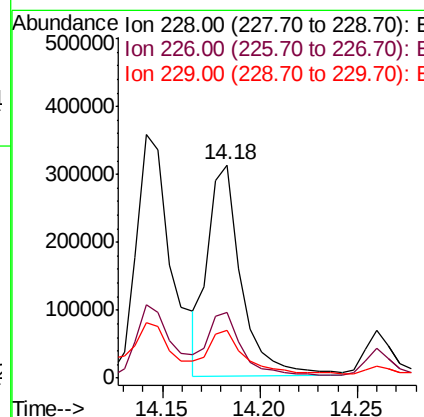
Manual Integrations
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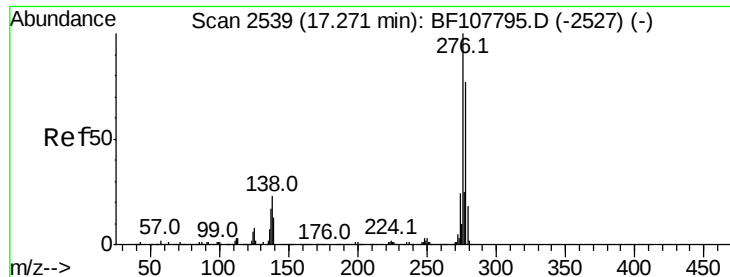
Sohil
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#82
Chrysene
Concen: 12.938 ng
RT: 14.18 min Scan# 2014
Delta R.T. 0.00 min
Lab File: BF107821.D
Acq: 31 Jul 2018 00:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	22.3	16.2	24.4





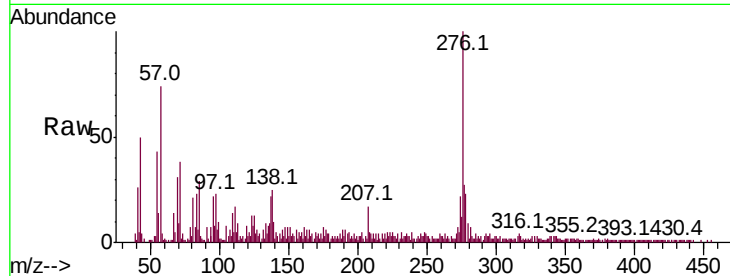
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.804 ng
RT: 17.28 min Scan# 2540
Delta R.T. 0.01 min
Lab File: BF107821.D
Acq: 31 Jul 2018 00:47

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.9	25.0	37.6#
277	23.1	20.1	30.1

Manual Integrations
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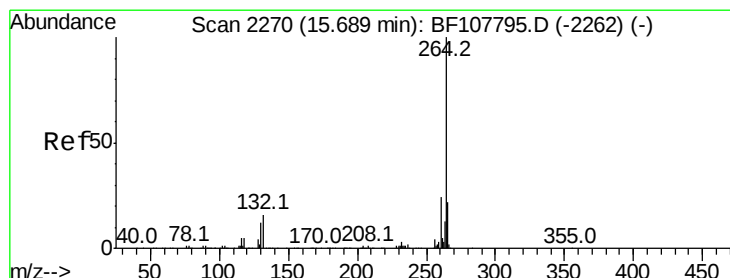
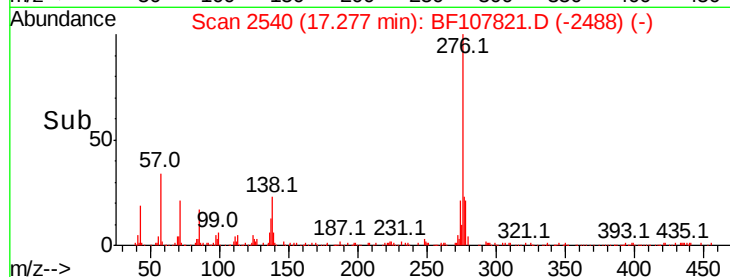
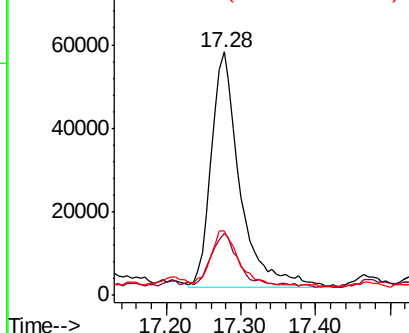


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF107821.D
Acq: 31 Jul 2018 00:47

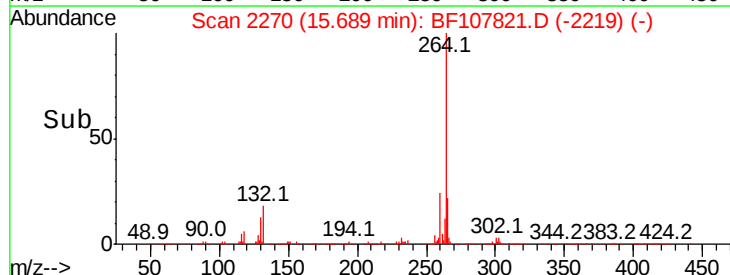
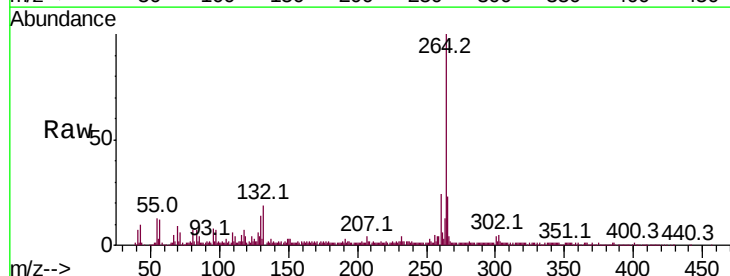
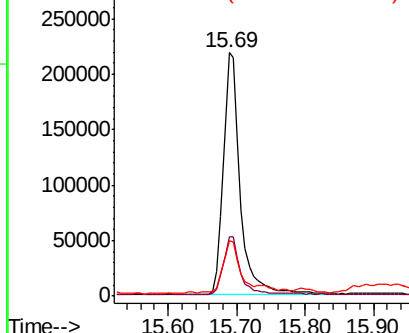
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	23.0	17.5	26.3

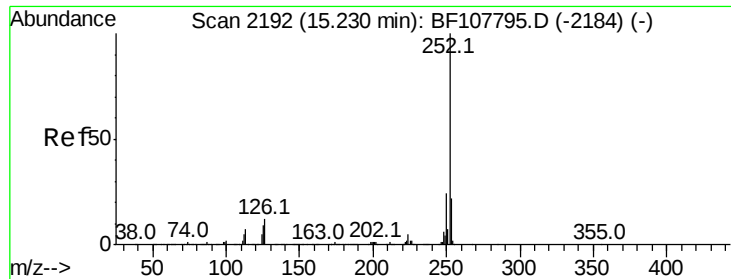
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





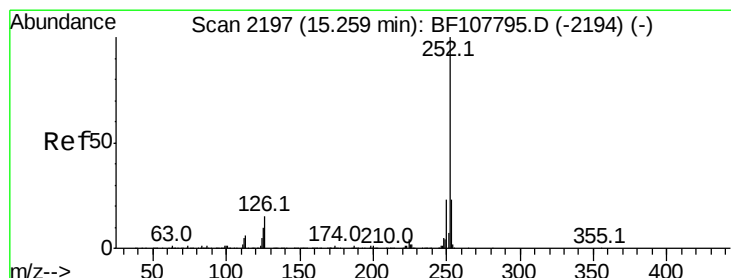
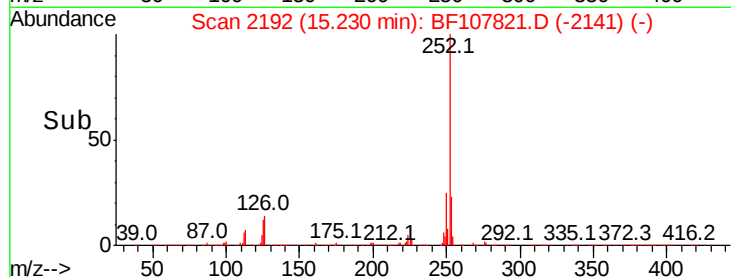
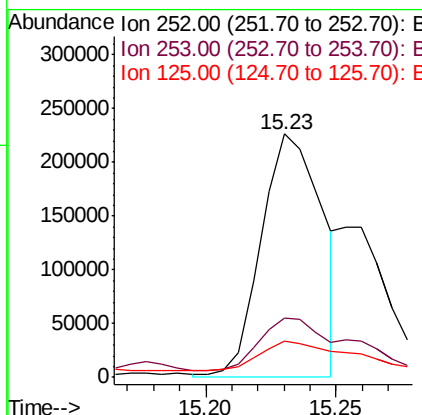
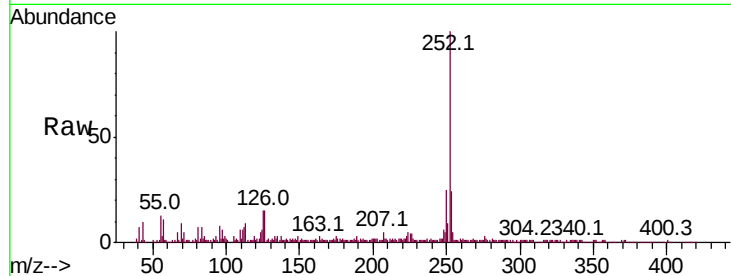
#87
Benzo(b)fluoranthene
Concen: 19.904 ng m
RT: 15.23 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF107821.D
Acq: 31 Jul 2018 00:47

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.6
125	14.9	9.0	13.6#

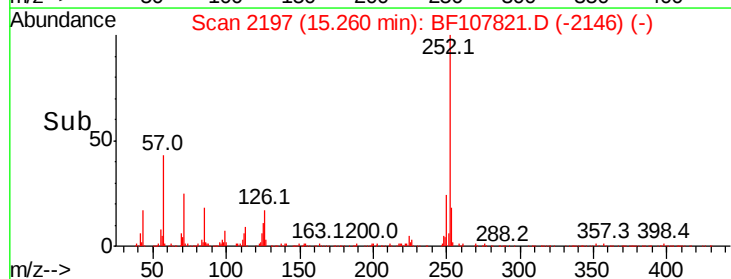
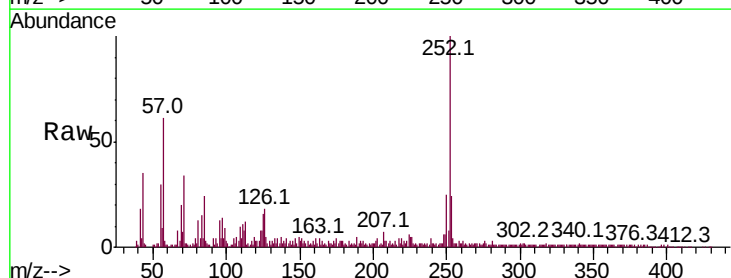
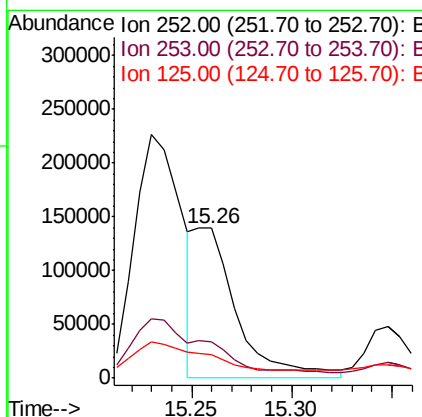
Manual Integrations
APPROVED

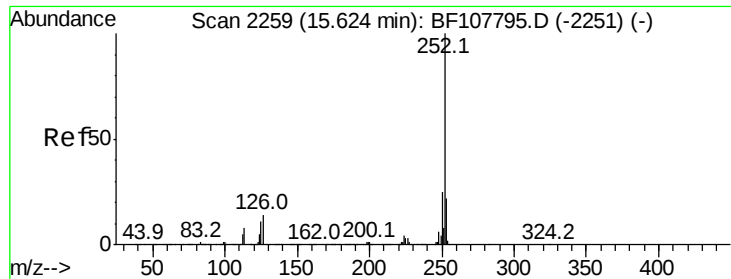
Sohil
7/31/2018 2:42:56 PM



#88
Benzo(k)fluoranthene
Concen: 9.029 ng m
RT: 15.26 min Scan# 2197
Delta R.T. 0.00 min
Lab File: BF107821.D
Acq: 31 Jul 2018 00:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	15.7	10.2	15.2#





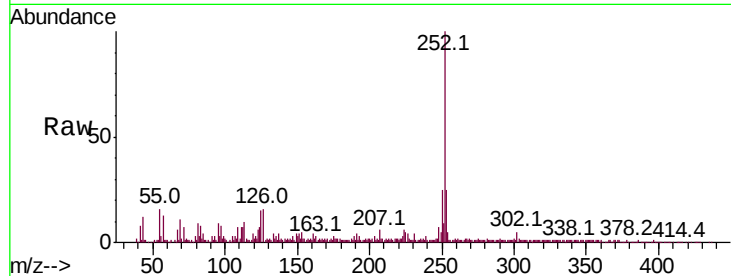
#89
Benzo(a)pyrene
Concen: 15.099 ng
RT: 15.62 min Scan# 2259
Delta R.T. 0.00 min
Lab File: BF107821.D
Acq: 31 Jul 2018 00:47

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	15.1	9.8	14.6

Manual Integrations
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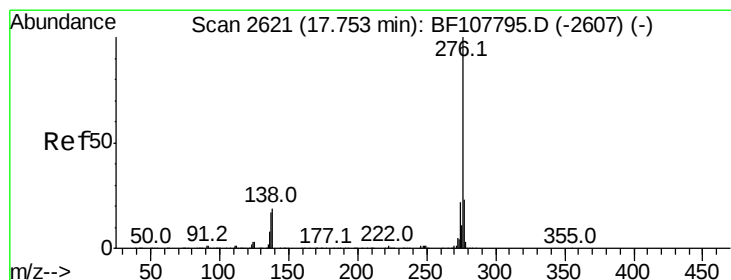
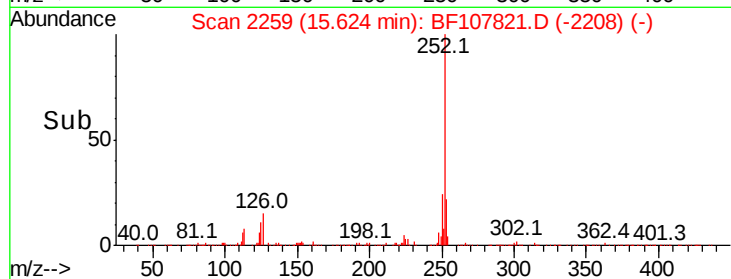
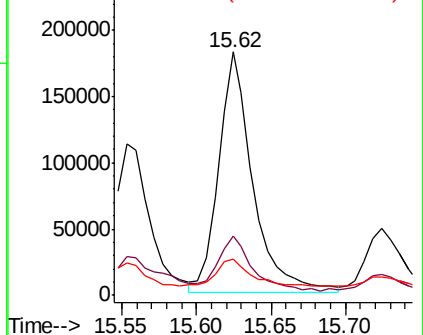


Abundance

Ion 252.00 (251.70 to 252.70): E

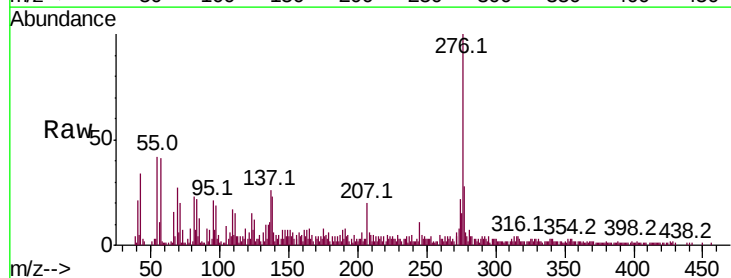
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 8.785 ng
RT: 17.76 min Scan# 2622
Delta R.T. 0.01 min
Lab File: BF107821.D
Acq: 31 Jul 2018 00:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.4	17.9	26.9
138	22.8	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

