

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
 Data File : BF107971.D
 Acq On : 4 Aug 2018 6:48
 Operator : JU/SJ
 Sample : J4262-07DL 2X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-073118DL

Manual Integrations
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Sohil
 8/6/2018 5:06:16 PM

Quant Time: Aug 06 04:16:27 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	65324	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	296446	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	120351	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	246001	20.00	ng	0.00
75) Chrysene-d12	14.15	240	247985	20.00	ng	0.00
86) Perylene-d12	15.68	264	179427	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	39401	10.25	ng	0.04
7) Phenol-d6	6.64	99	51189	10.11	ng	0.03
23) Nitrobenzene-d5	7.52	82	171081	33.25	ng	-0.01
41) 2,4,6-Tribromophenol	10.79	330	89985	55.03	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	422056	48.87	ng	-0.01
78) Terphenyl-d14	13.08	244	480786	42.04	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
27) 2,4-Dimethylphenol	7.92	122	7389	2.038	ng	# 82
31) Naphthalene	8.26	128	811289	58.874	ng	100
37) 2-Methylnaphthalene	8.95	142	70309	8.123	ng	94
48) Acenaphthylene	9.86	152	34094	2.663	ng	# 92
51) Acenaphthene	10.02	154	129578	17.421	ng	100
54) Dibenzofuran	10.21	168	79618	6.925	ng	98
57) Fluorene	10.55	166	103646	11.600	ng	98
70) Phenanthrene	11.52	178	107546	9.207	ng	98
71) Anthracene	11.58	178	31517m	2.339	ng	
72) Carbazole	11.74	167	195781	14.704	ng	97
74) Fluoranthene	12.71	202	29336	2.138	ng	92

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

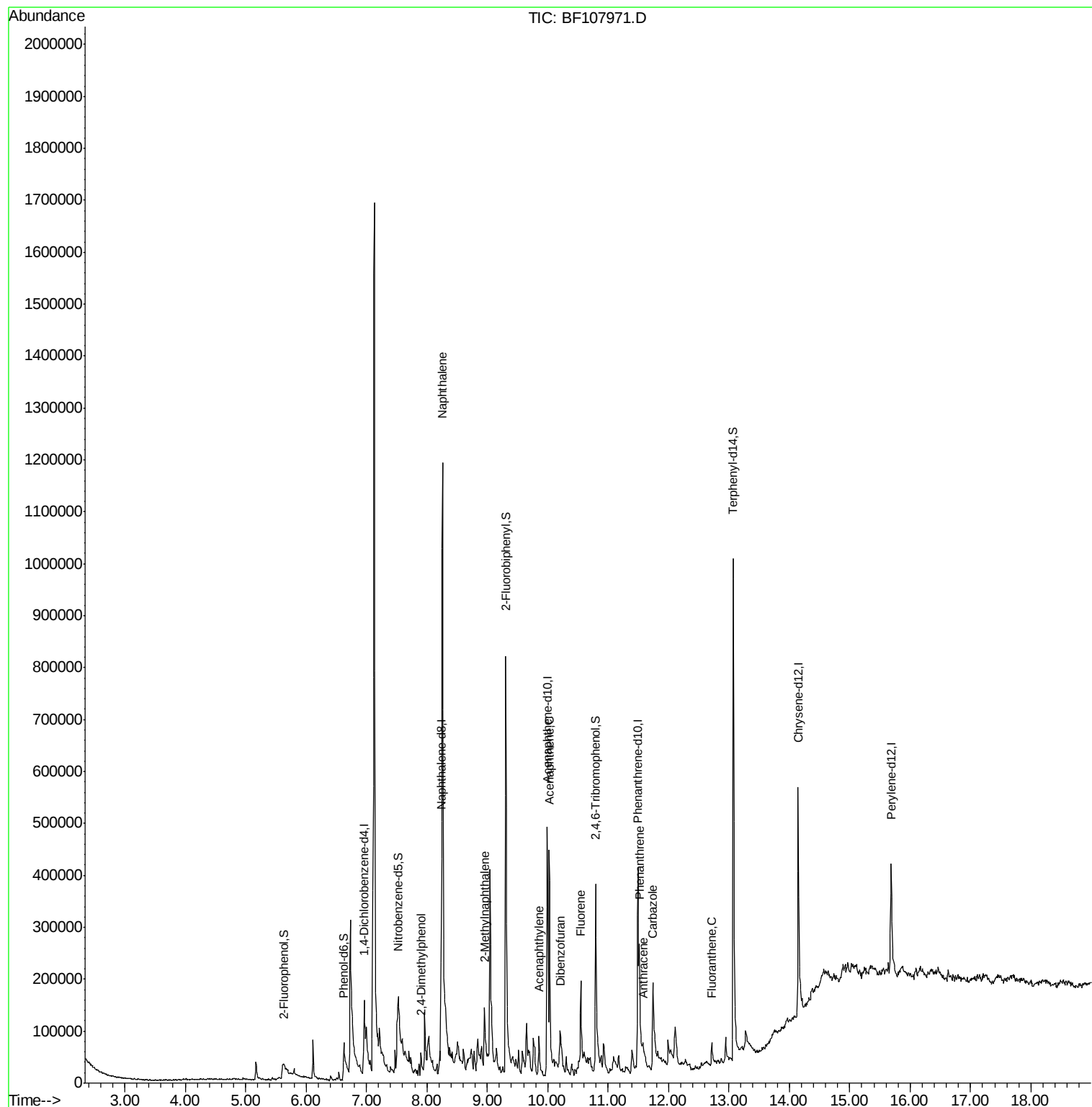
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107971.D
Acq On : 4 Aug 2018 6:48
Operator : JU/SJ
Sample : J4262-07DL 2X
Misc :
ALS Vial : 36 Sample Multiplier: 1

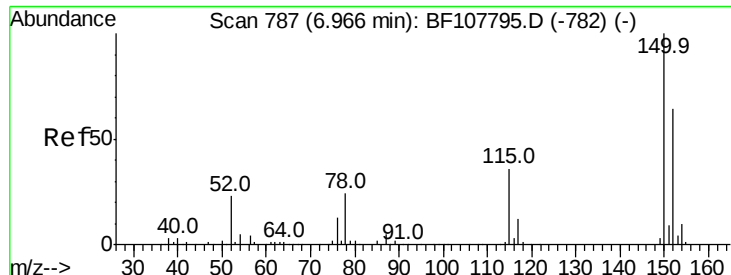
Instrument :
BNA_F
ClientSampleId :
DUP-073118DL

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Quant Time: Aug 06 04:16:27 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

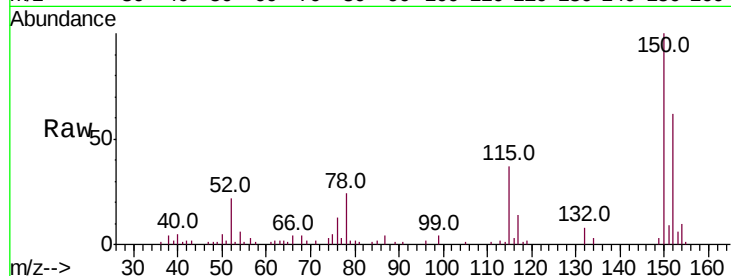
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107971.D
Acq: 4 Aug 2018 6:48

Instrument :
BNA_F
ClientSampleId :
DUP-073118DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.1	124.6	186.8
115	59.7	50.1	75.1

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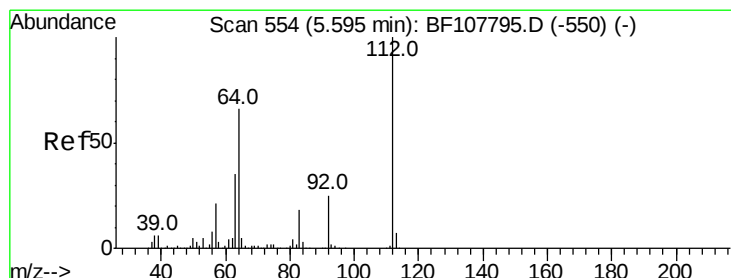
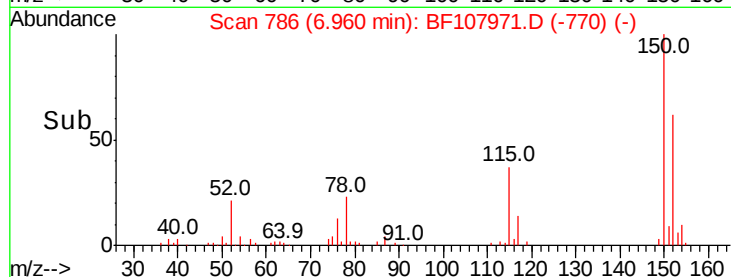
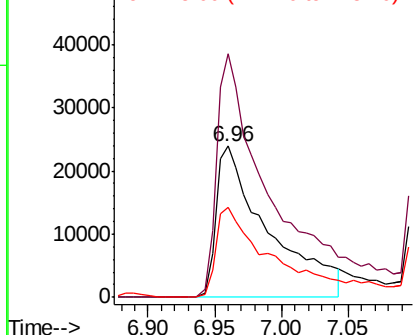


Abundance

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: 10.251 ng
RT: 5.63 min Scan# 560
Delta R.T. 0.04 min
Lab File: BF107971.D
Acq: 4 Aug 2018 6:48

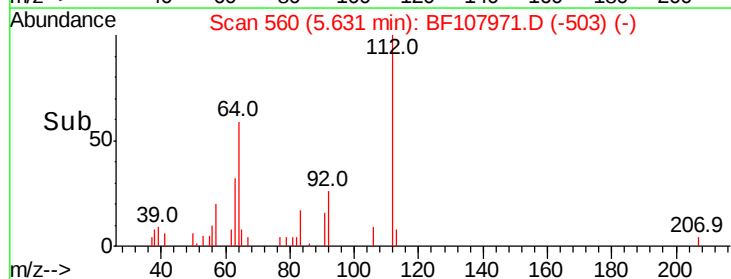
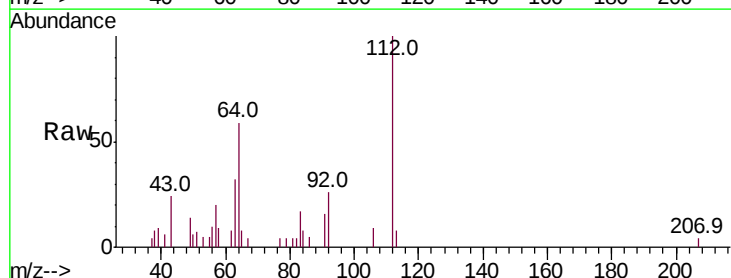
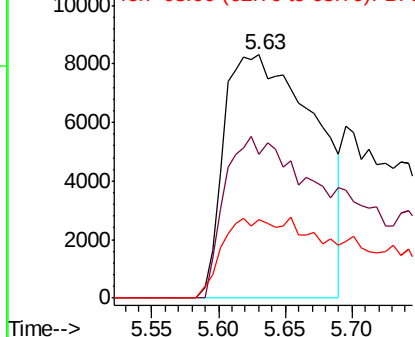
Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	47.9	71.9
63	32.2	23.7	35.5

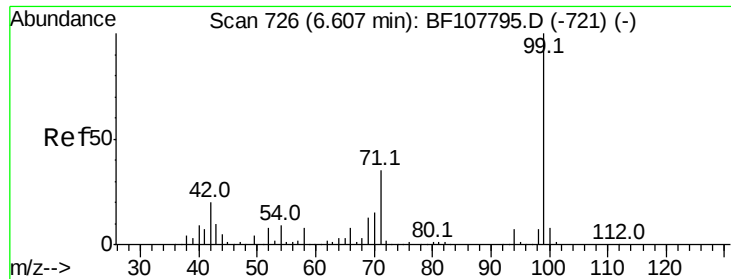
Abundance

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: 10.105 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.03 min

Lab File: BF107971.D

Acq: 4 Aug 2018 6:48

Instrument :

BNA_F

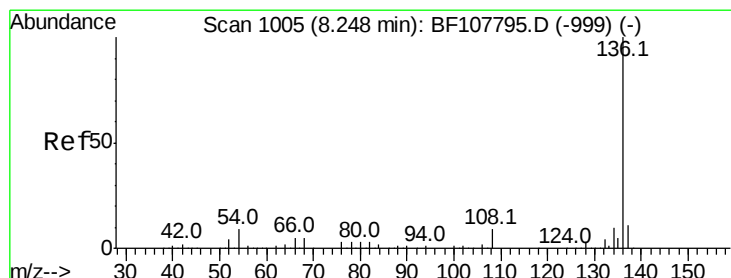
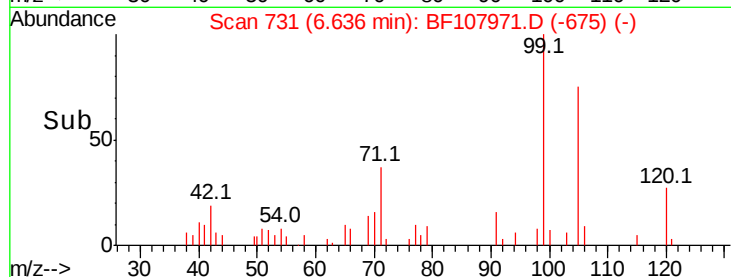
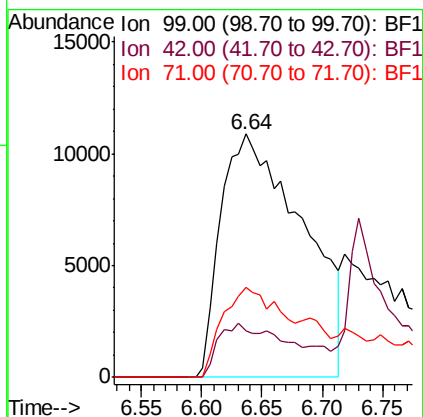
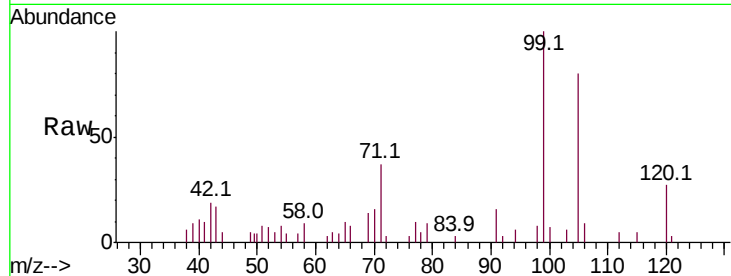
ClientSampleId :

DUP-073118DL

Tot Ion:	99	Resp:	51189
Ion Ratio	Lower	Upper	
99	100		
42	19.0	14.5	21.7
71	36.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

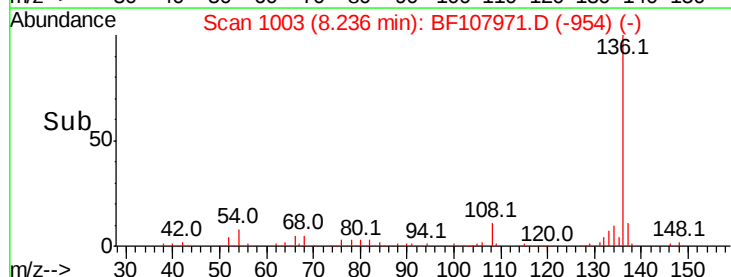
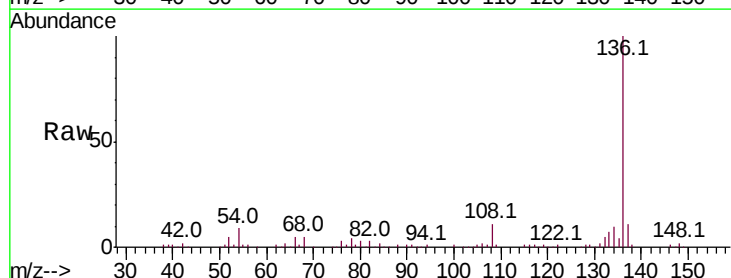
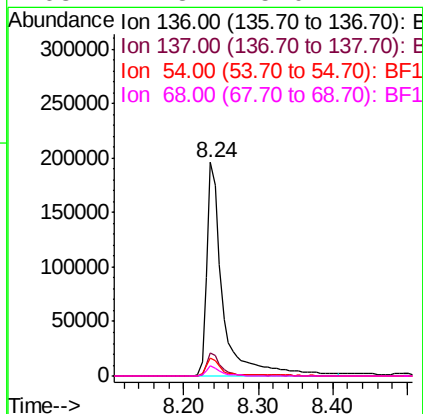
RT: 8.24 min Scan# 1003

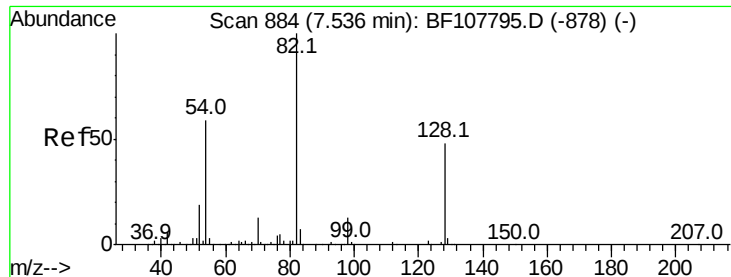
Delta R.T. -0.01 min

Lab File: BF107971.D

Acq: 4 Aug 2018 6:48

Tgt Ion:	136	Resp:	296446
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	8.6	6.6	9.8
68	4.8	5.0	7.4#





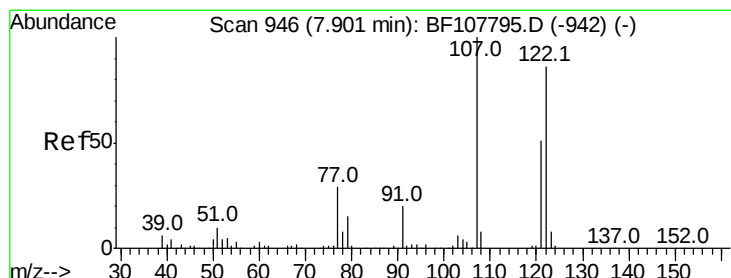
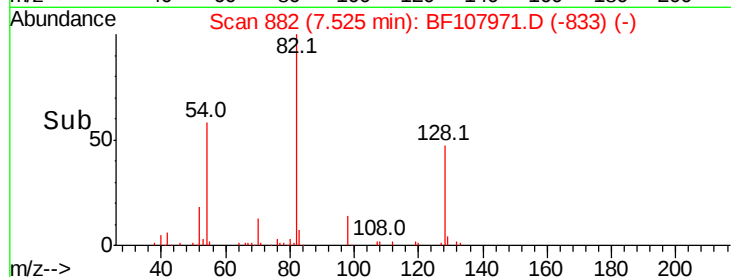
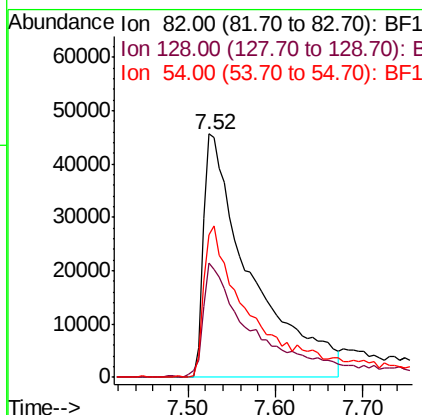
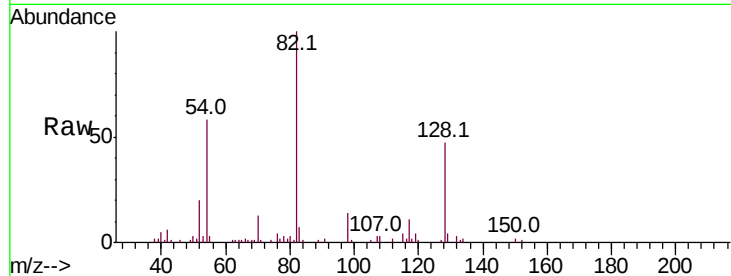
#23
Nitrobenzene-d5
Concen: 33.247 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF107971.D
Acq: 4 Aug 2018 6:48

Instrument :
BNA_F
ClientSampleId :
DUP-073118DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.1	54.1
54	58.3	41.4	62.2

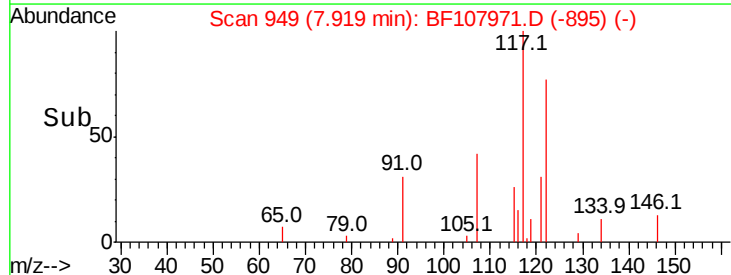
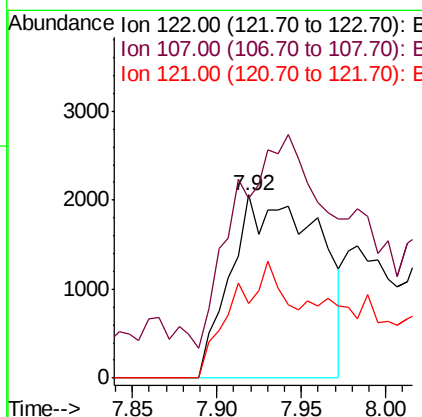
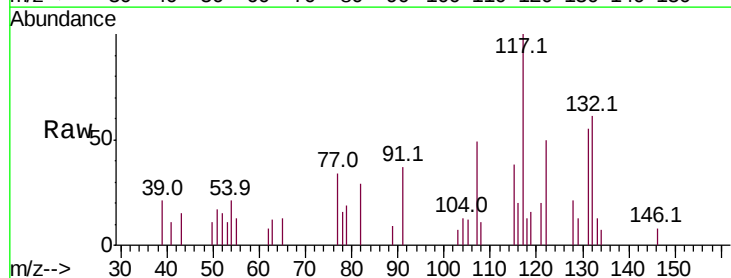
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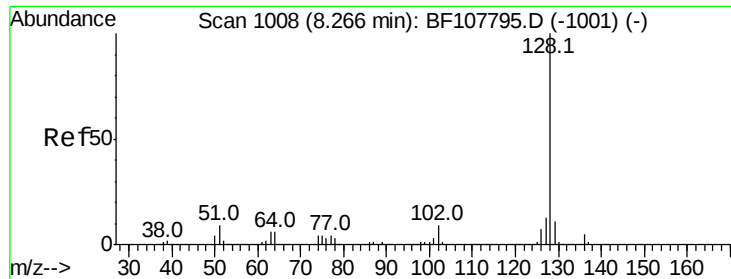
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#27
2,4-Dimethylphenol
Concen: 2.038 ng
RT: 7.92 min Scan# 949
Delta R.T. 0.02 min
Lab File: BF107971.D
Acq: 4 Aug 2018 6:48

Tgt Ion	Ratio	Lower	Upper
122	100		
107	98.3	91.2	136.8
121	40.9	47.2	70.8#





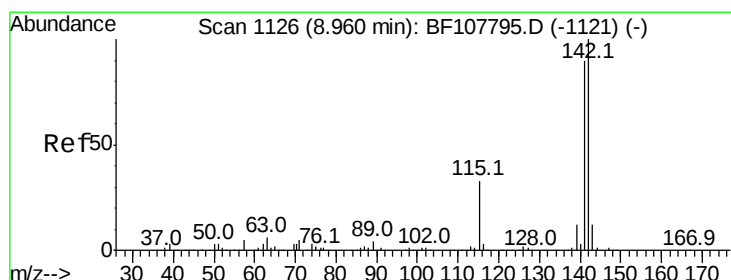
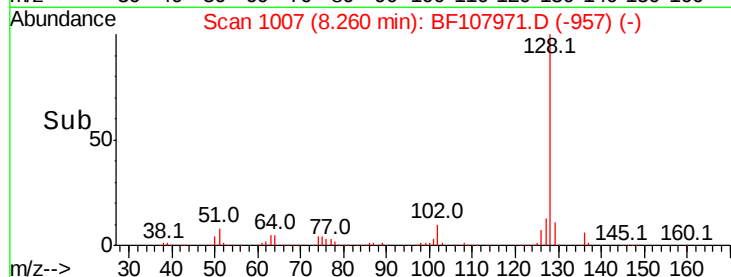
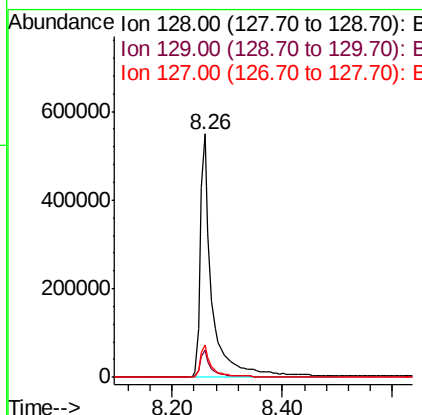
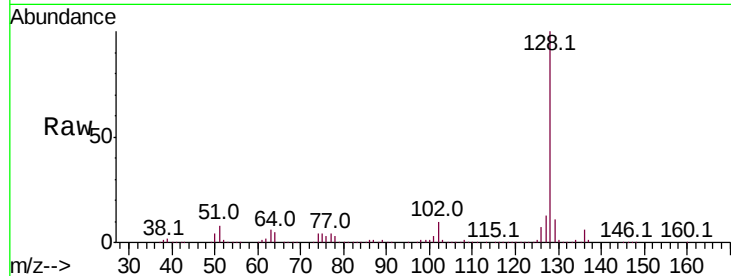
#31
Naphthalene
Concen: 58.874 ng
RT: 8.26 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF107971.D
Acq: 4 Aug 2018 6:48

Instrument :
BNA_F
ClientSampleId :
DUP-073118DL

Tot Ion	Ratio	Resp	Lower	Upper
128	100	811289		
129	11.0		8.8	13.2
127	13.5		10.9	16.3

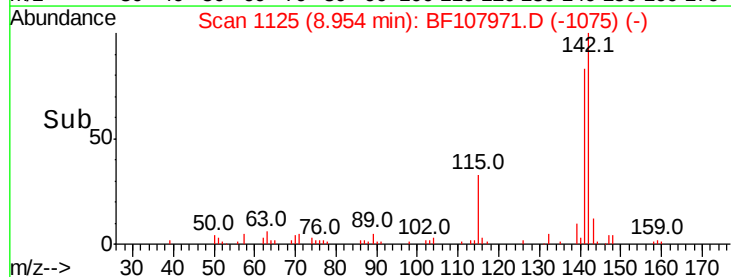
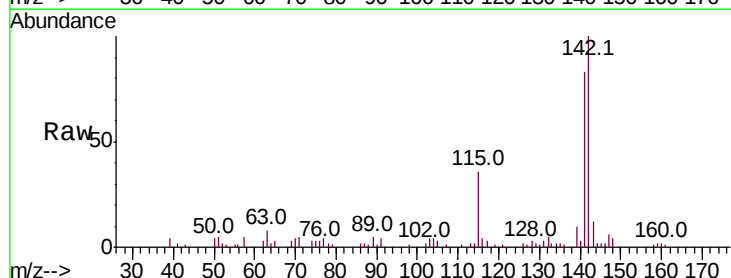
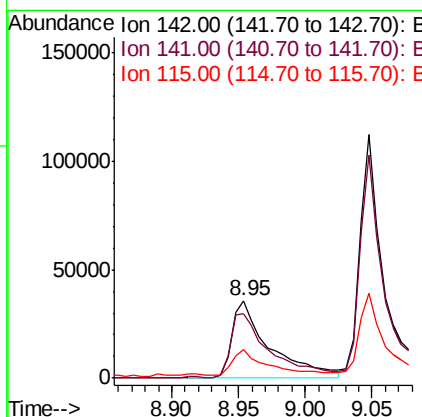
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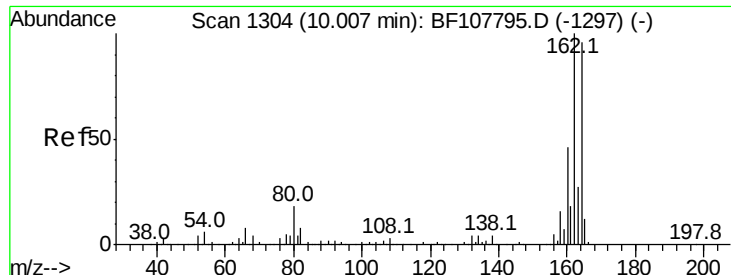
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#37
2-Methylnaphthalene
Concen: 8.123 ng
RT: 8.95 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF107971.D
Acq: 4 Aug 2018 6:48

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	70309		
141	83.5		70.8	106.2
115	36.4		26.1	39.1





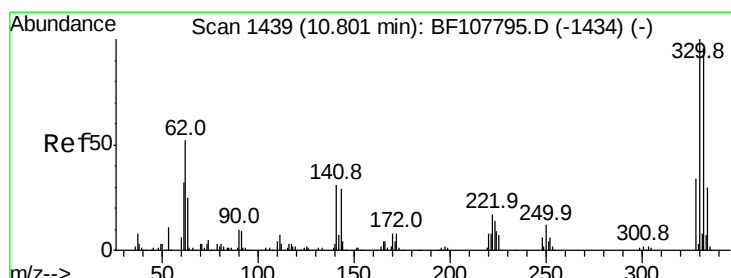
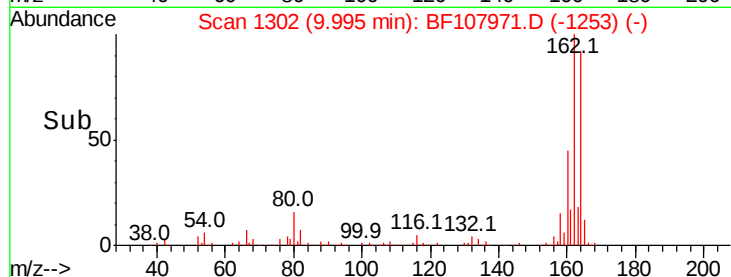
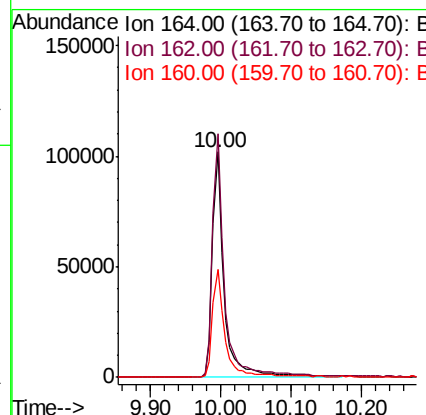
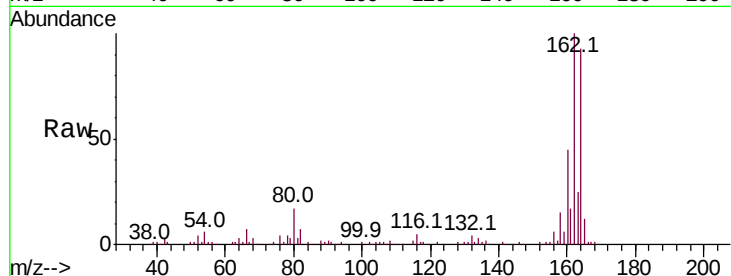
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF107971.D
Acq: 4 Aug 2018 6:48

Instrument :
BNA_F
ClientSampleId :
DUP-073118DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100	120351		
162	108.1	86.1	129.1	
160	48.1	38.3	57.5	

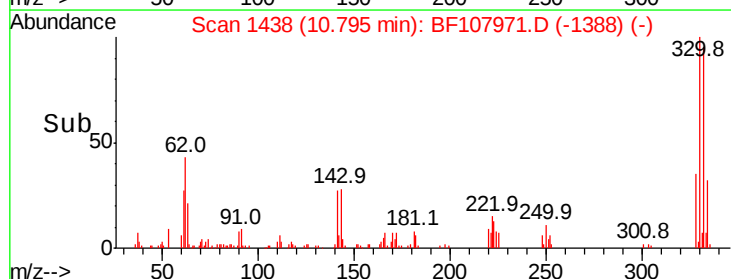
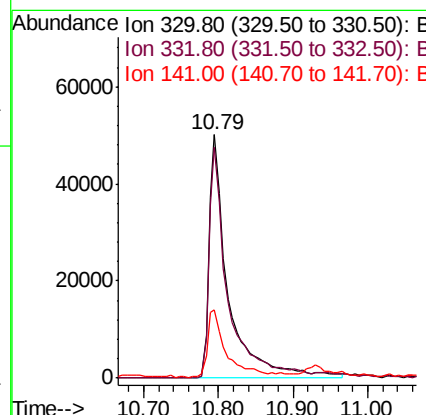
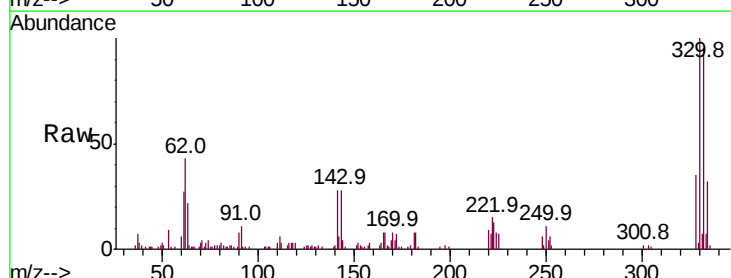
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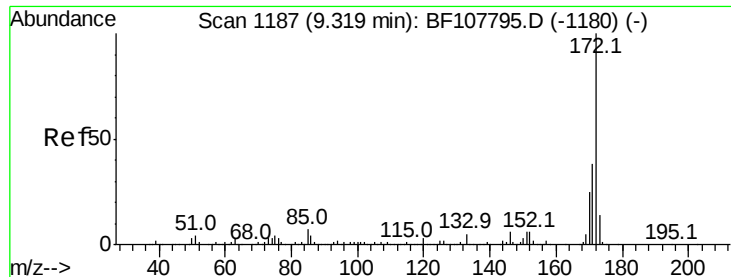
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#41
2,4,6-Tribromophenol
Concen: 55.026 ng
RT: 10.79 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF107971.D
Acq: 4 Aug 2018 6:48

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	89985		
332	93.1	77.0	115.6	
141	28.2	29.9	44.9	





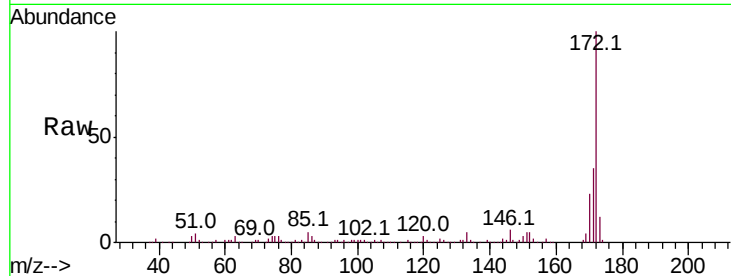
#44
2-Fluorobiphenyl
Concen: 48.868 ng
RT: 9.31 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF107971.D
Acq: 4 Aug 2018 6:48

Instrument :
BNA_F
ClientSampleId :
DUP-073118DL

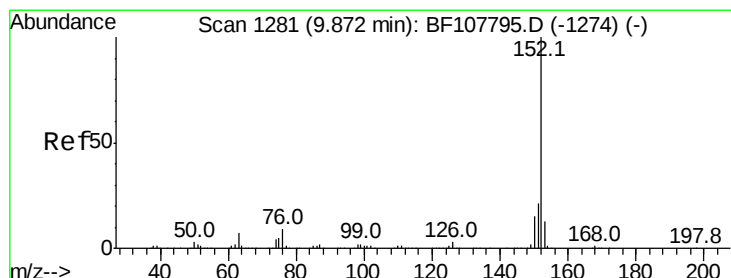
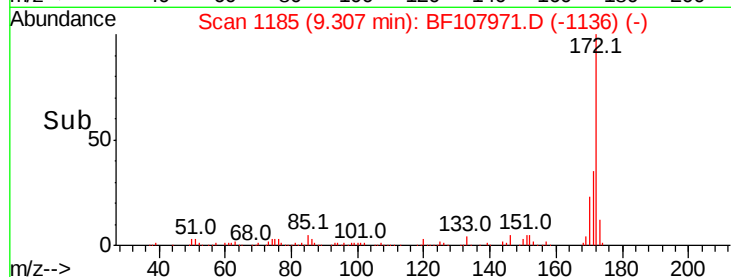
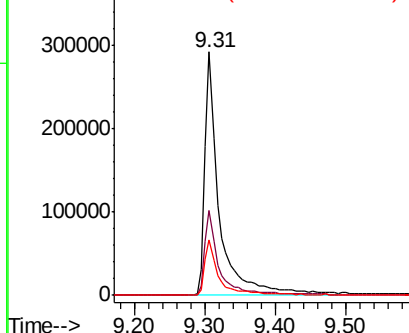
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	22.8	19.6	29.4

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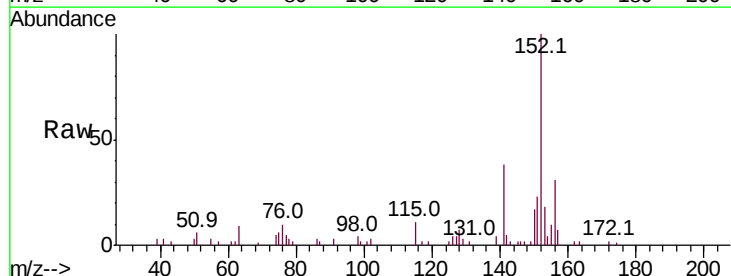


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

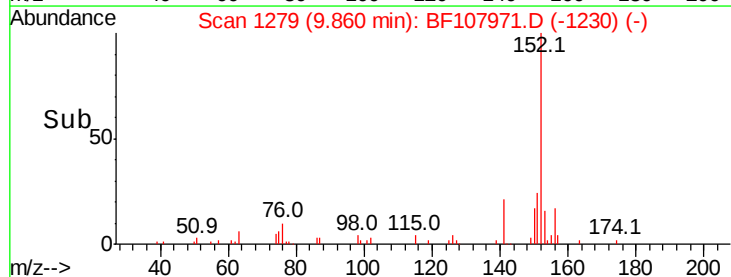
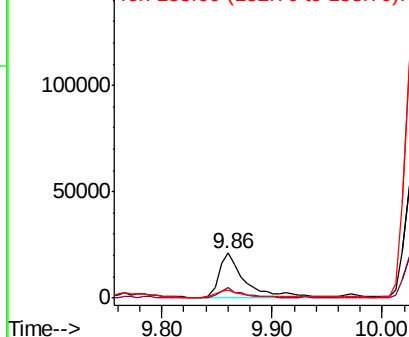


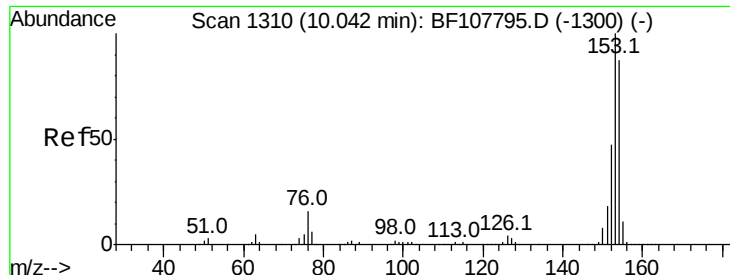
#48
Acenaphthylene
Concen: 2.663 ng
RT: 9.86 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF107971.D
Acq: 4 Aug 2018 6:48

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.1	16.3	24.5
153	18.2	10.7	16.1#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 17.421 ng

RT: 10.02 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BF107971.D

Acq: 4 Aug 2018 6:48

Instrument :

BNA_F

ClientSampleId :

DUP-073118DL

Tot Ion:154 Resp: 129578

Ion Ratio Lower Upper

154 100

153 114.5 91.2 136.8

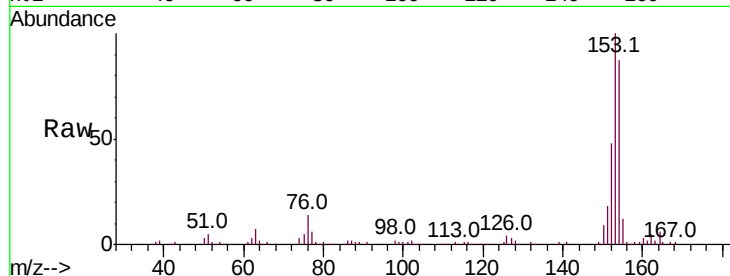
152 54.7 43.8 65.8

Manual Integrations

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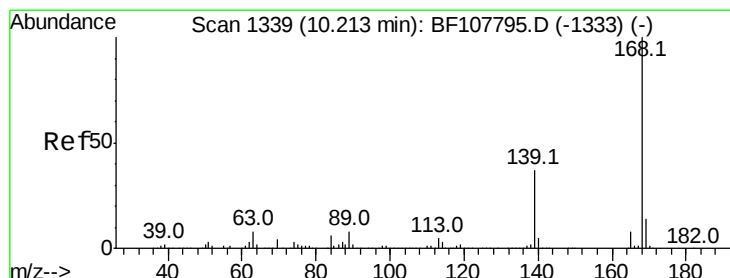
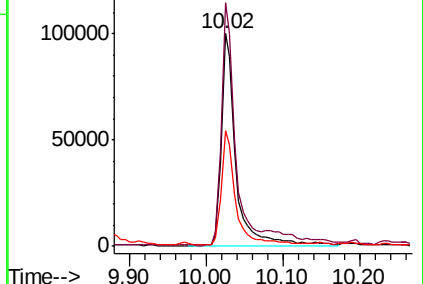
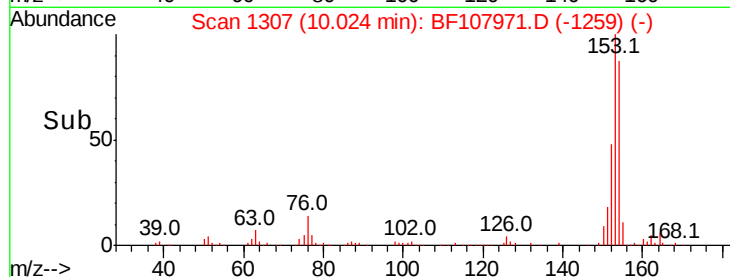
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 6.925 ng

RT: 10.21 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF107971.D

Acq: 4 Aug 2018 6:48

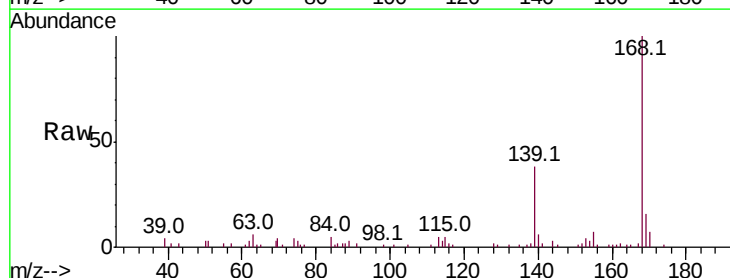
Tgt Ion:168 Resp: 79618

Ion Ratio Lower Upper

168 100

139 38.0 30.1 45.1

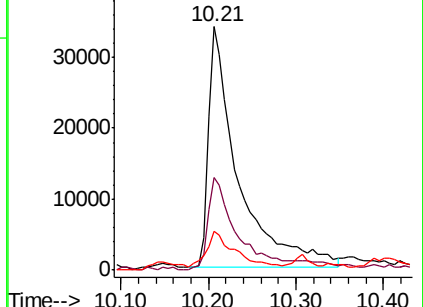
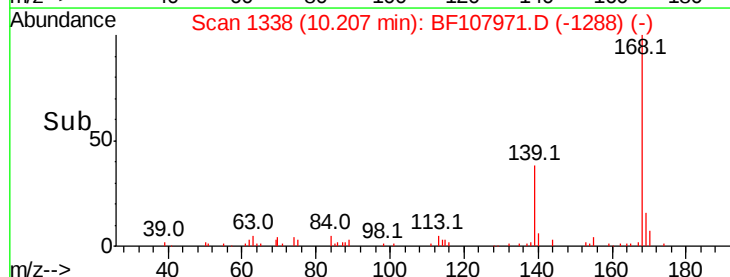
169 15.8 10.9 16.3

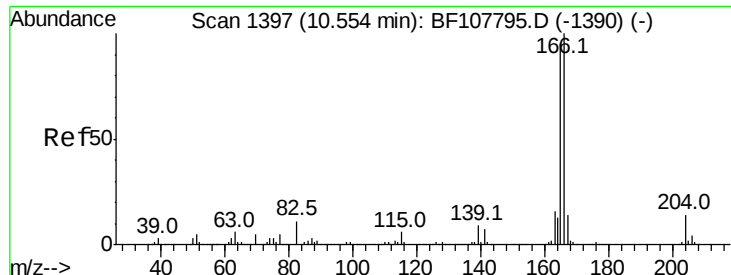


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





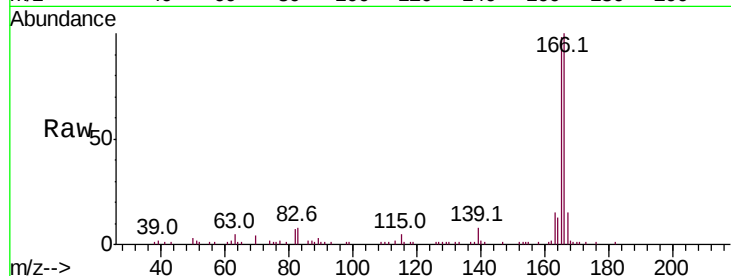
#57
Fluorene
 Concen: 11.600 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF107971.D
 Acq: 4 Aug 2018 6:48

Instrument :
 BNA_F
 ClientSampleId :
 DUP-073118DL

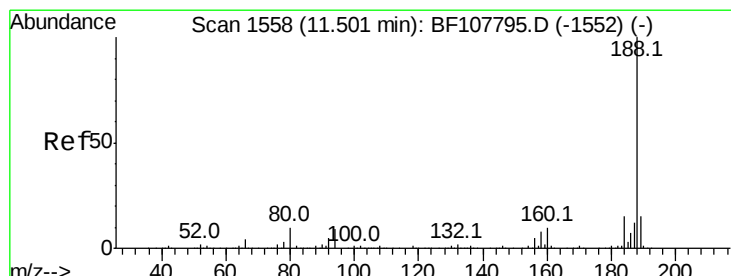
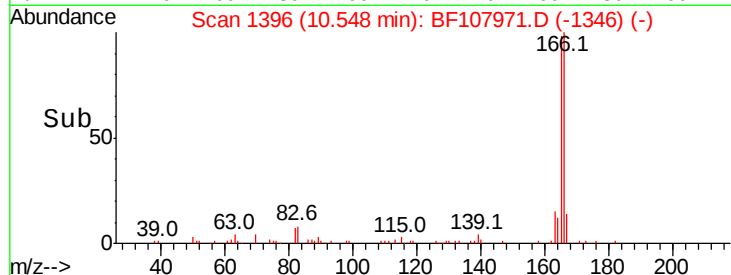
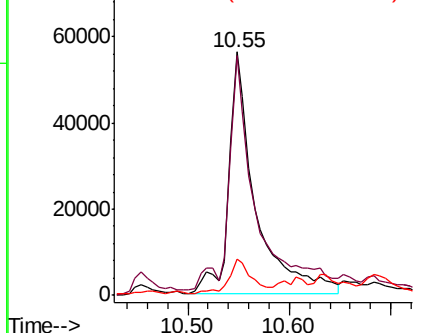
Tot Ion	Ratio	Lower	Upper
166	100		
165	98.4	79.8	119.8
167	15.0	10.6	16.0

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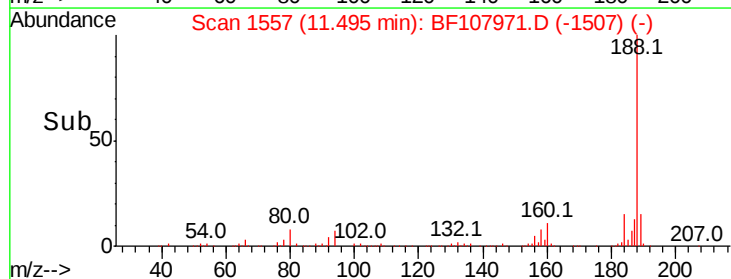
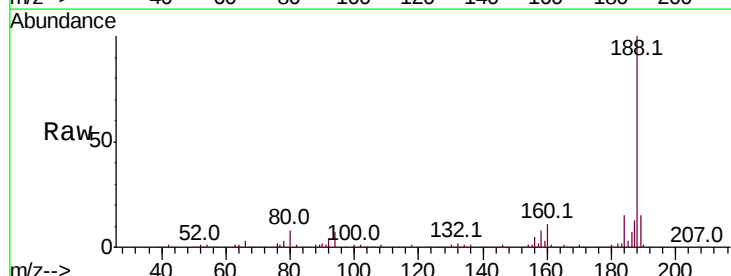
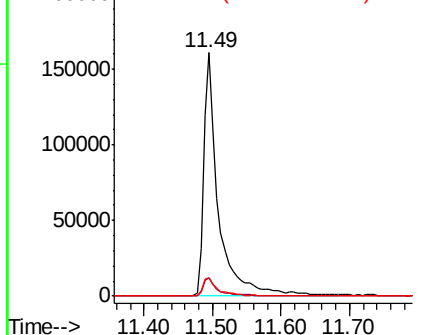
Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

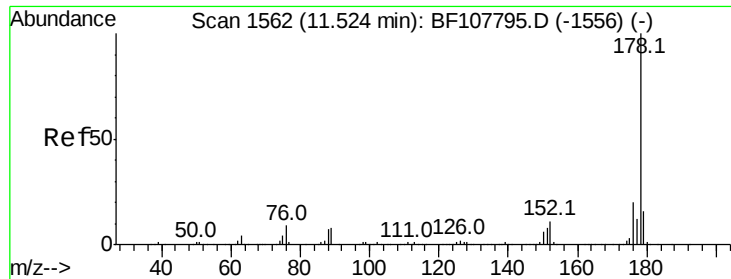


#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF107971.D
 Acq: 4 Aug 2018 6:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.4	8.5	12.7#
80	7.6	9.2	13.8#

Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1





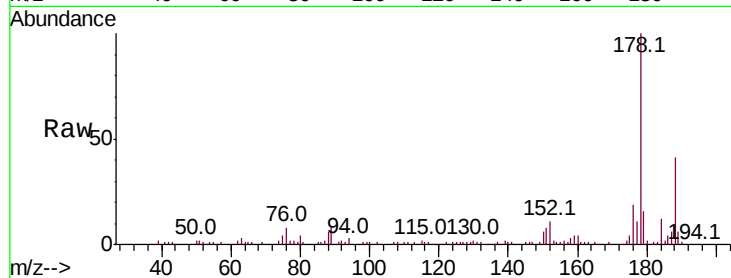
#70
Phenanthrene
Concen: 9.207 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF107971.D
Acq: 4 Aug 2018 6:48

Instrument :
BNA_F
ClientSampleId :
DUP-073118DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.8	13.0	19.6

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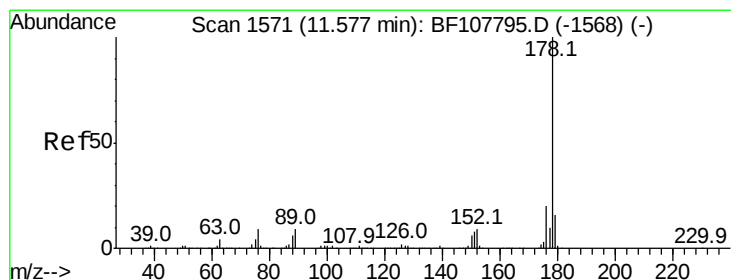
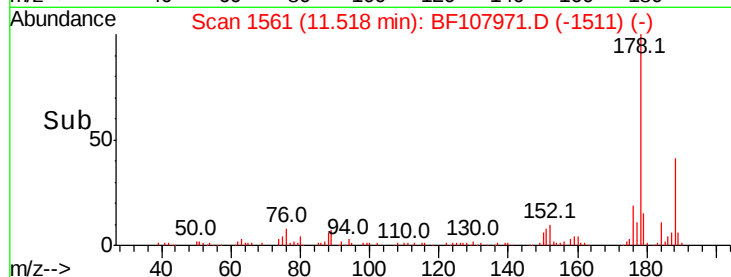
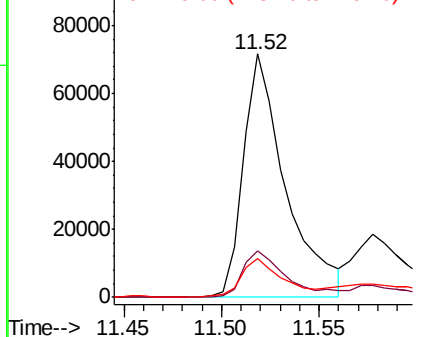


Abundance

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: 2.339 ng m
RT: 11.58 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BF107971.D
Acq: 4 Aug 2018 6:48

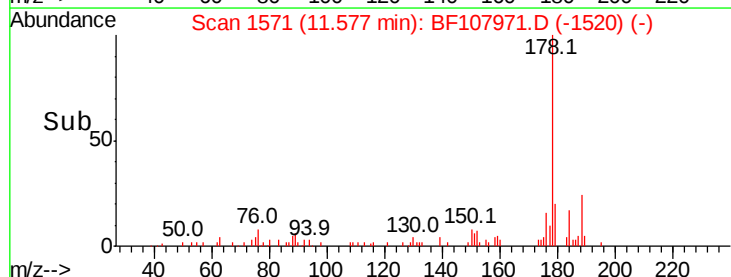
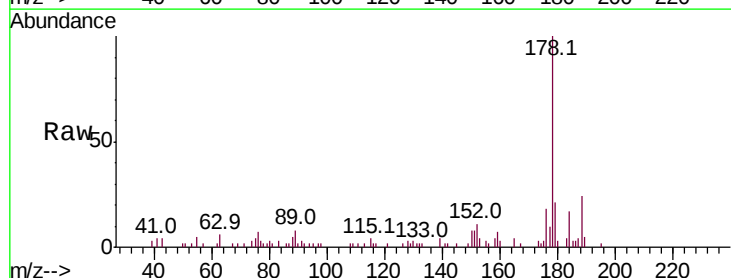
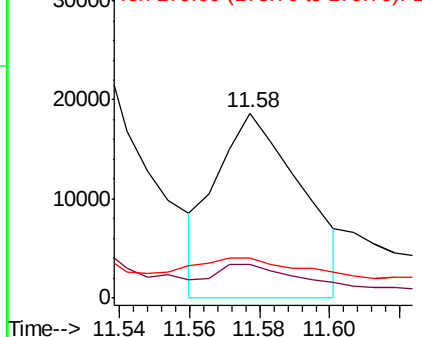
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	21.5	12.6	19.0#

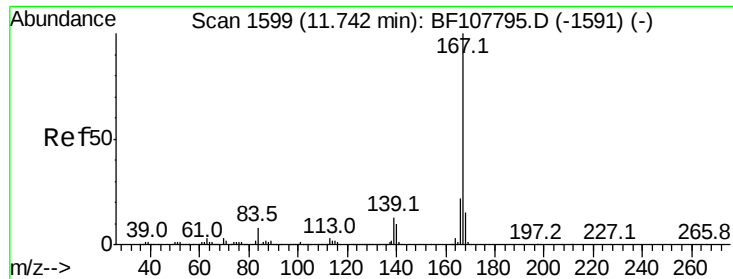
Abundance

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





#72

Carbazole

Concen: 14.704 ng

RT: 11.74 min Scan# 1599

Delta R.T. -0.00 min

Lab File: BF107971.D

Acq: 4 Aug 2018 6:48

Instrument :

BNA_F

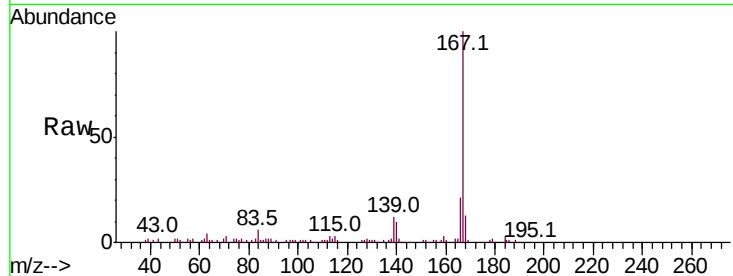
ClientSampleId :

DUP-073118DL

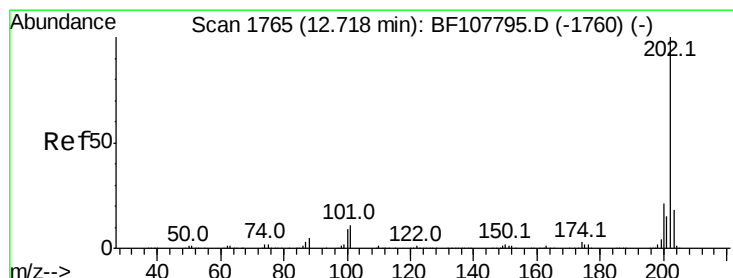
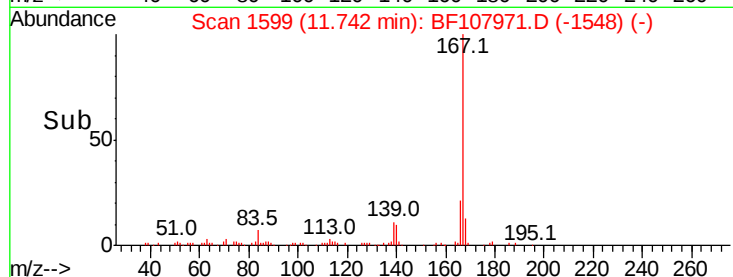
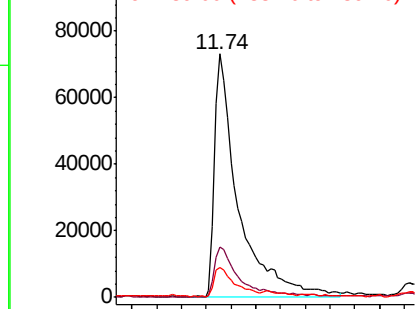
Tot Ion:	167	Resp:	195781
Ion Ratio	Lower	Upper	
167	100		
166	20.9	17.6	26.4
139	12.2	10.9	16.3

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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: 2.138 ng

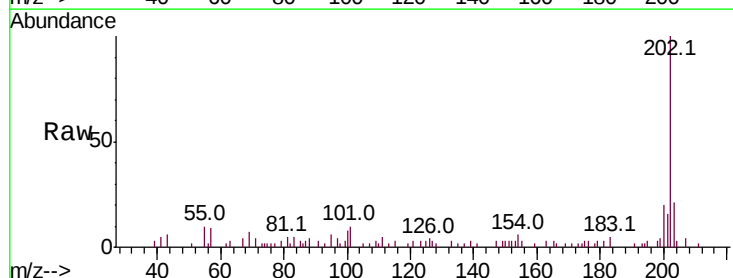
RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

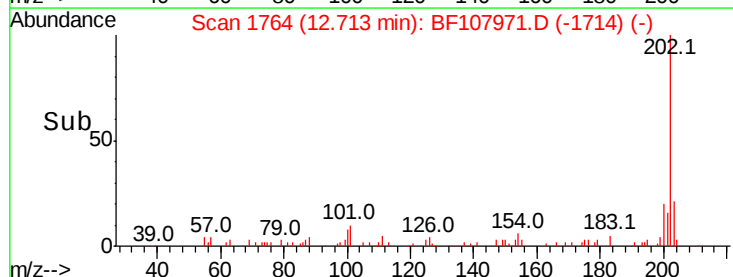
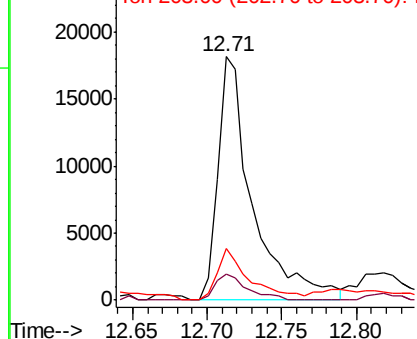
Lab File: BF107971.D

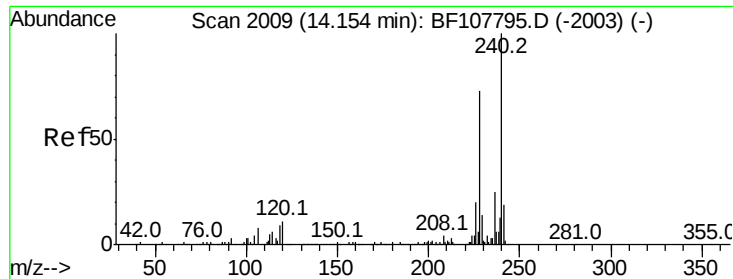
Acq: 4 Aug 2018 6:48

Tgt Ion:	202	Resp:	29336
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	34.1
203	21.3	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: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF107971.D

Acq: 4 Aug 2018 6:48

Instrument :

BNA_F

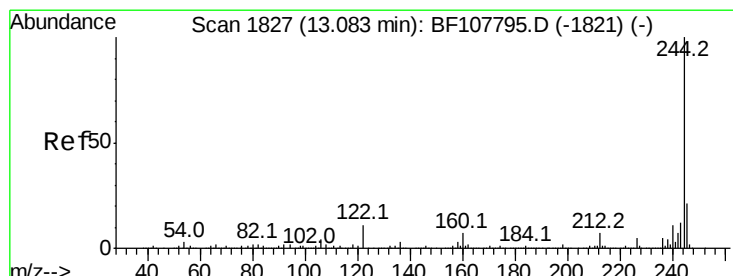
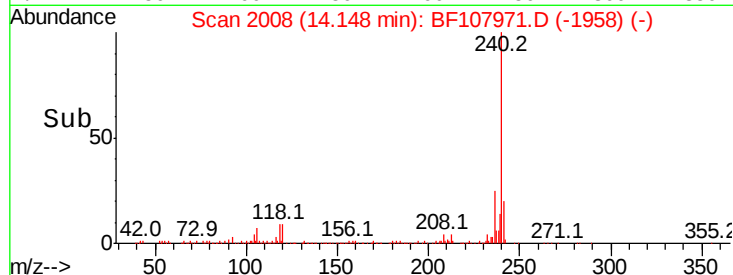
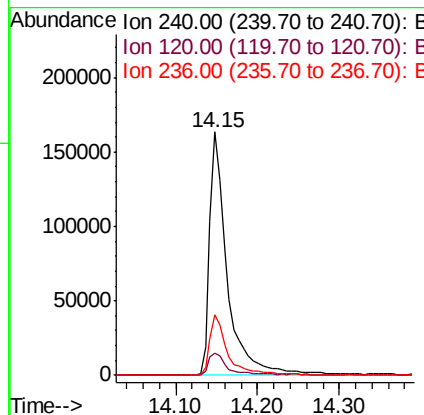
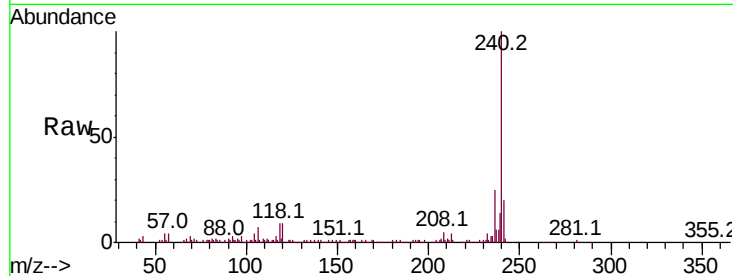
ClientSampleId :

DUP-073118DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.9	9.5	14.3#
236	25.1	20.7	31.1

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#78

Terphenyl-d14

Concen: 42.041 ng

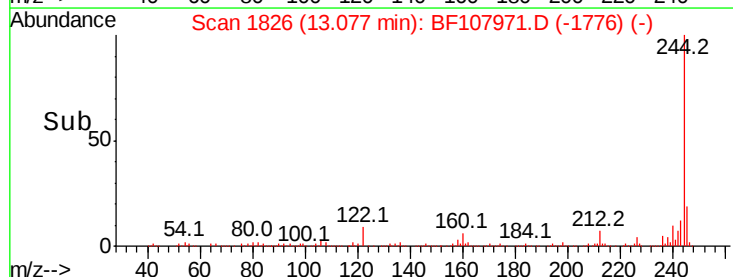
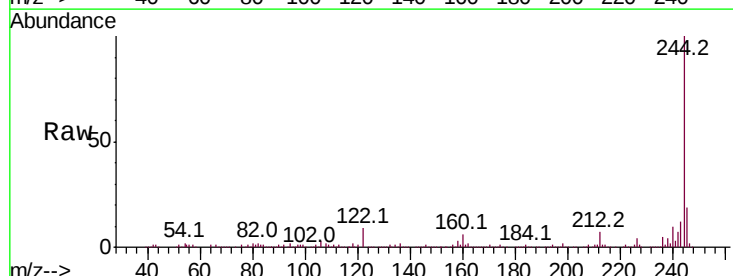
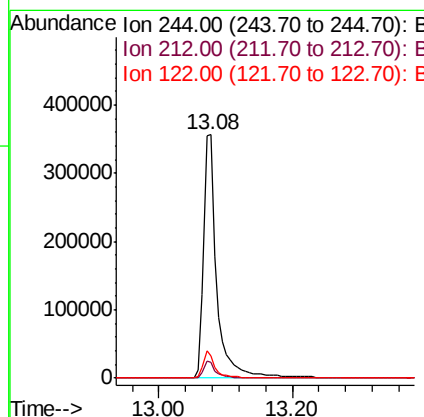
RT: 13.08 min Scan# 1826

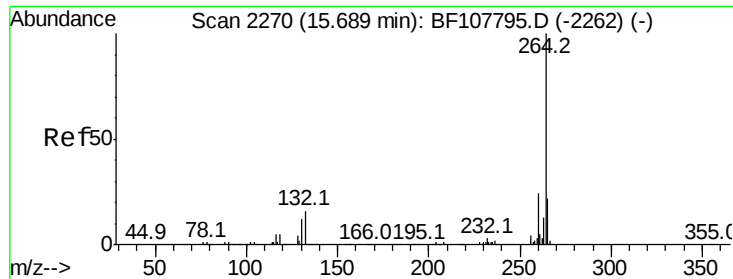
Delta R.T. -0.01 min

Lab File: BF107971.D

Acq: 4 Aug 2018 6:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	9.0	11.0	16.4#





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF107971.D
Acq: 4 Aug 2018 6:48

Instrument :
BNA_F
ClientSampleId :
DUP-073118DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.5	17.5	26.3

Manual Integrations
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