

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
 Data File : BF107826.D
 Acq On : 31 Jul 2018 3:00
 Operator : JU/SJ
 Sample : J4121-08
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 31 04:55:15 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	189335	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	783378	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	313888	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	575935	20.00	ng	0.00
75) Chrysene-d12	14.15	240	464880	20.00	ng	0.00
86) Perylene-d12	15.69	264	326626	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1184249	106.30	ng	0.00
7) Phenol-d6	6.61	99	1496499	101.93	ng	0.00
23) Nitrobenzene-d5	7.53	82	995879	73.24	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	369681	86.68	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	1607887	71.38	ng	0.00
78) Terphenyl-d14	13.10	244	1297101	60.50	ng	0.02

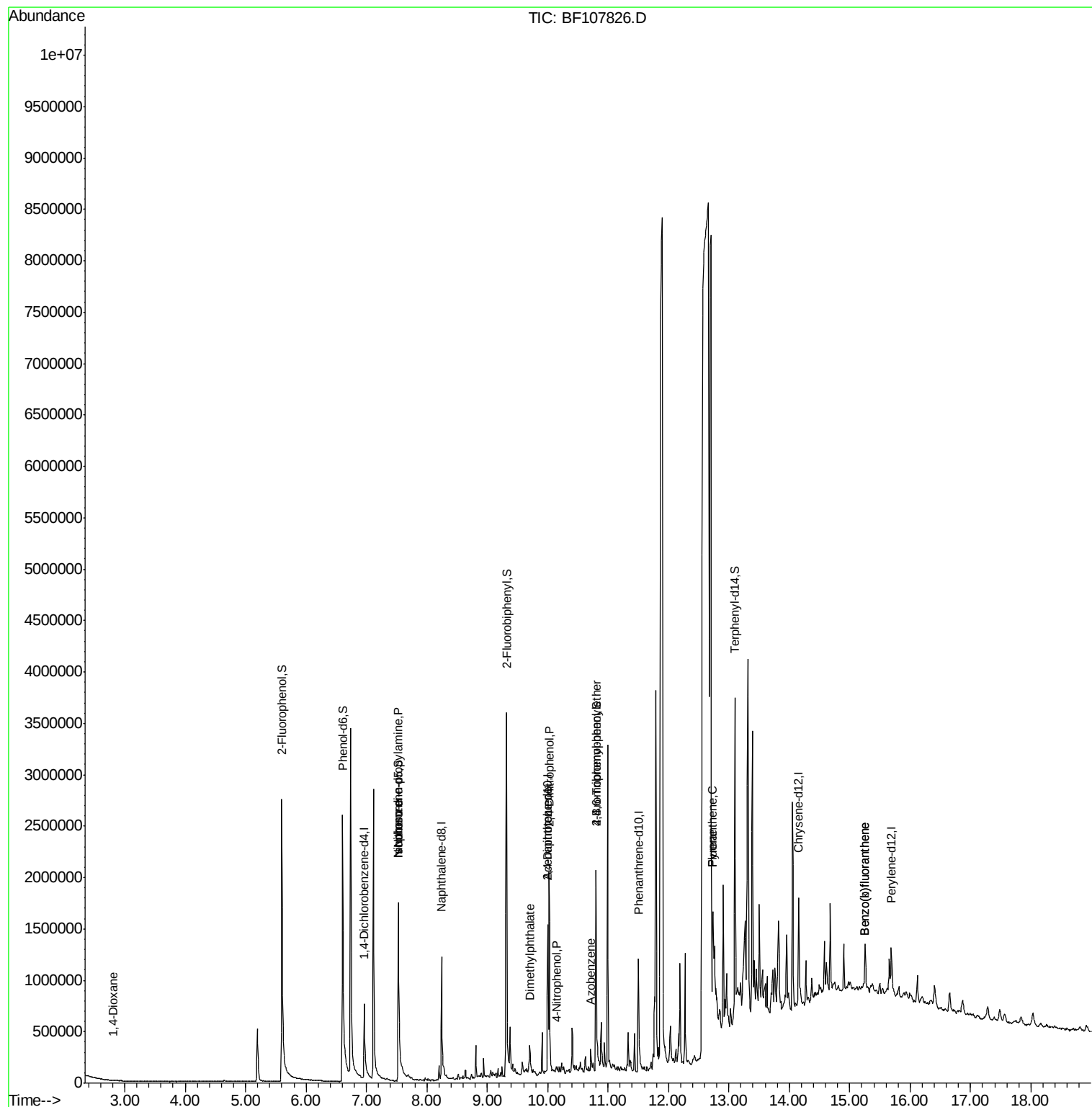
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.81	88	594	5.893	ng	# 13
19) n-Nitroso-di-n-propylamine	7.53	70	118788	12.754	ng	# 78
25) Isophorone	7.53	82	995879	44.617	ng	# 64
49) Dimethylphthalate	9.71	163	113624	4.820	ng	# 97
53) 2,4-Dinitrophenol	10.03	184	2936	9.413	ng	# 4
55) 4-Nitrophenol	10.15	139	558	9.475	ng	# 1
56) 2,4-Dinitrotoluene	10.00	165	43169	6.411	ng	# 23
62) Azobenzene	10.72	77	48644	2.061	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	21657	3.226	ng	# 1
74) Fluoranthene	12.73	202	78852	2.454	ng	88
77) Pyrene	12.73	202	78852	2.356	ng	95
87) Benzo(b)fluoranthene	15.24	252	49823	3.093	ng	# 30
88) Benzo(k)fluoranthene	15.24	252	49823	2.519	ng	# 34

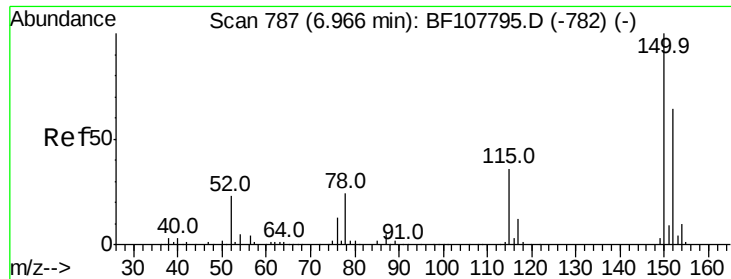
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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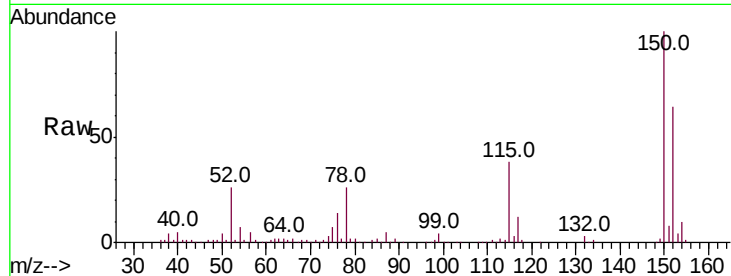


#1

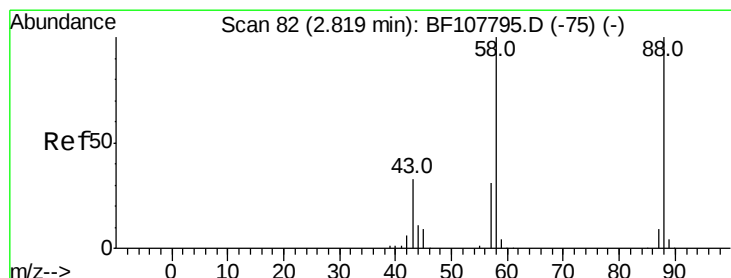
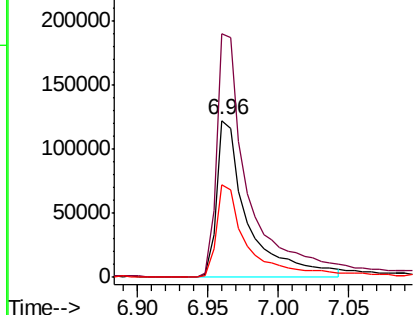
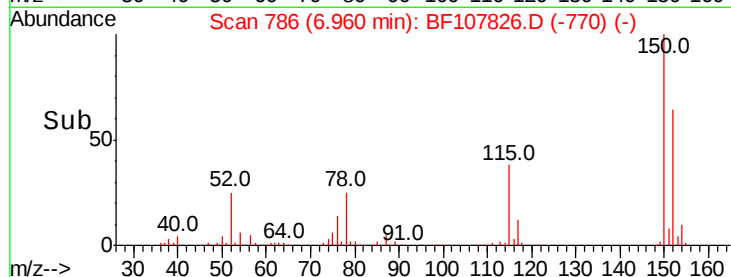
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107826.D
Acq: 31 Jul 2018 3:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 189335
Ion Ratio Lower Upper
152 100
150 155.2 124.6 186.8
115 59.2 50.1 75.1



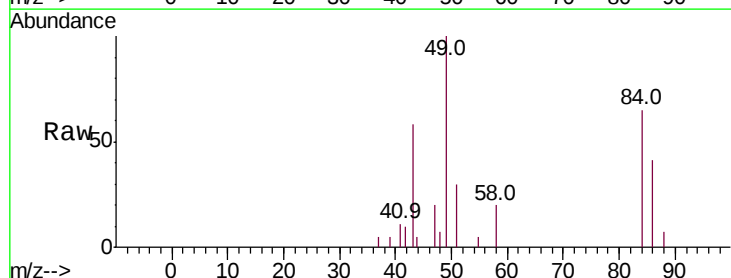
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



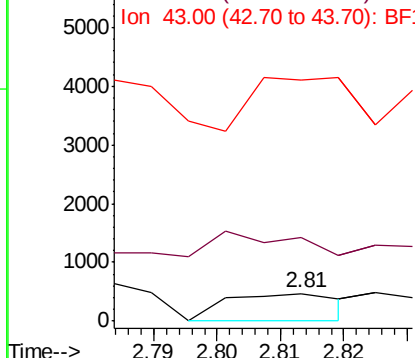
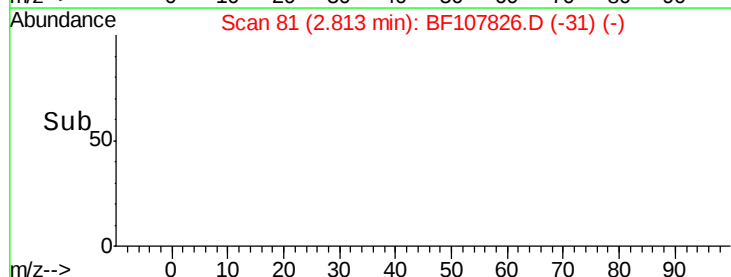
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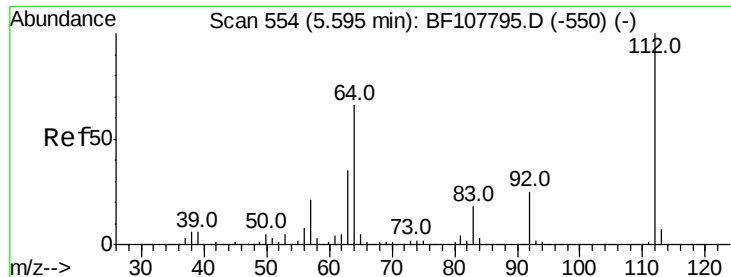
1,4-Dioxane
Concen: 5.893 ng
RT: 2.81 min Scan# 81
Delta R.T. -0.01 min
Lab File: BF107826.D
Acq: 31 Jul 2018 3:00

Tgt Ion: 88 Resp: 594
Ion Ratio Lower Upper
88 100
58 58.2 62.6 93.8#
43 167.0 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 106.303 ng

RT: 5.60 min Scan# 555

Delta R.T. 0.01 min

Lab File: BF107826.D

Acq: 31 Jul 2018 3:00

Instrument :

BNA_F

ClientSampleId :

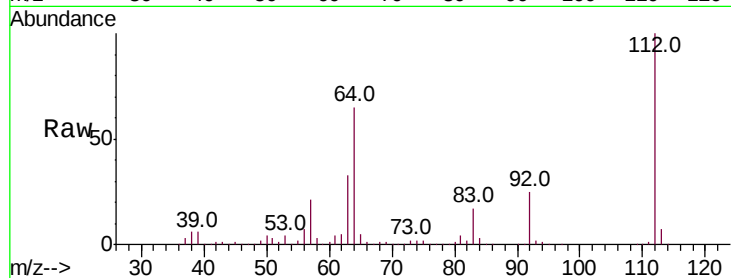
Tot Ion:112 Resp: 1184249

Ion Ratio Lower Upper

112 100

64 65.2 47.9 71.9

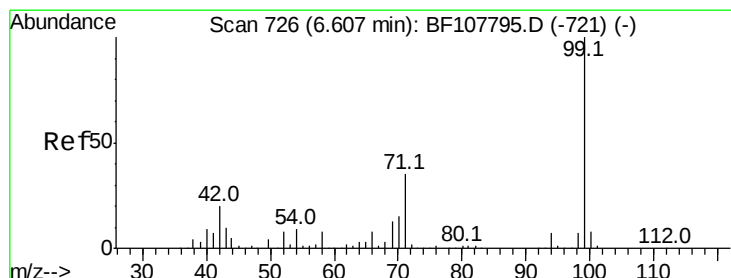
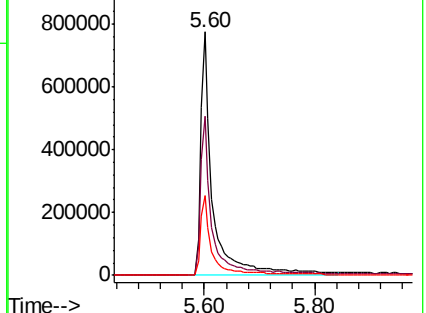
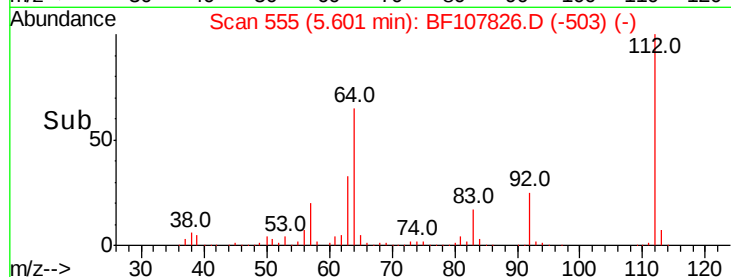
63 32.9 23.7 35.5



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: 101.925 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF107826.D

Acq: 31 Jul 2018 3:00

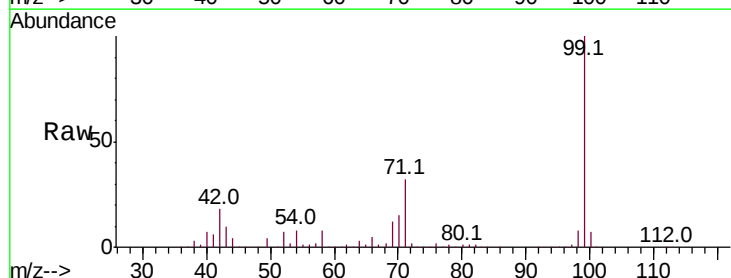
Tgt Ion: 99 Resp: 1496499

Ion Ratio Lower Upper

99 100

42 18.4 14.5 21.7

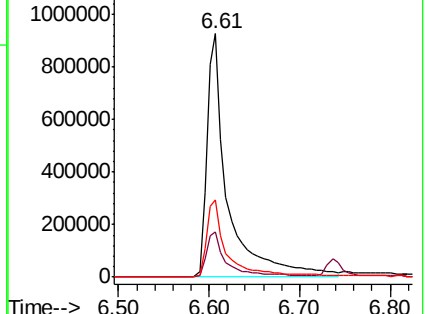
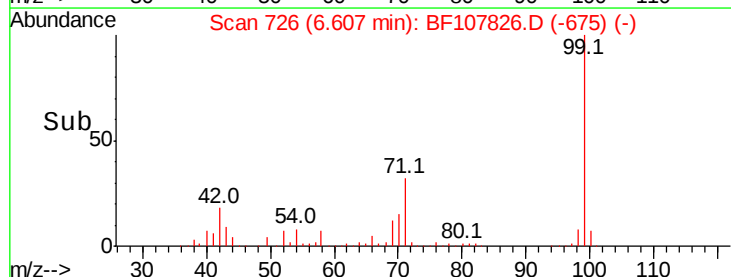
71 32.0 25.4 38.0

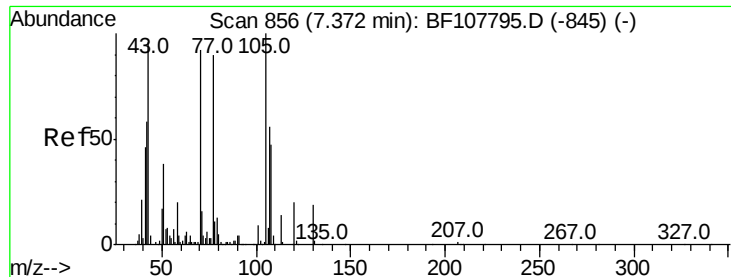


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

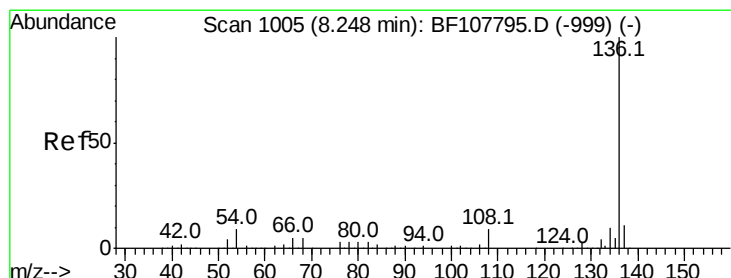
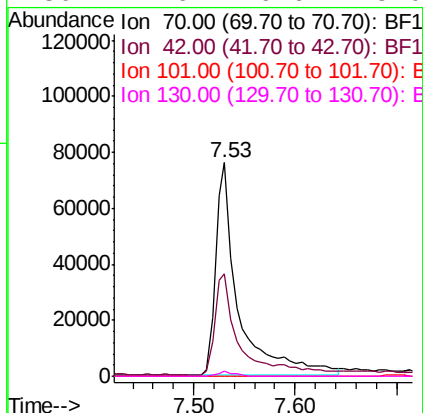
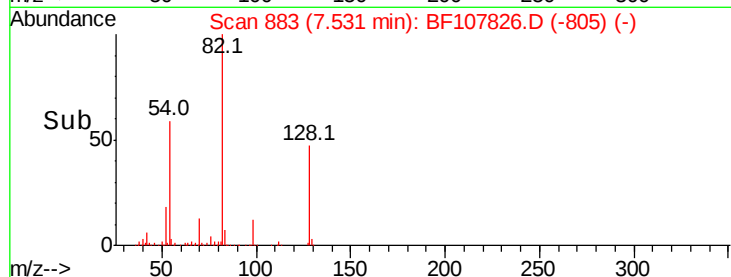
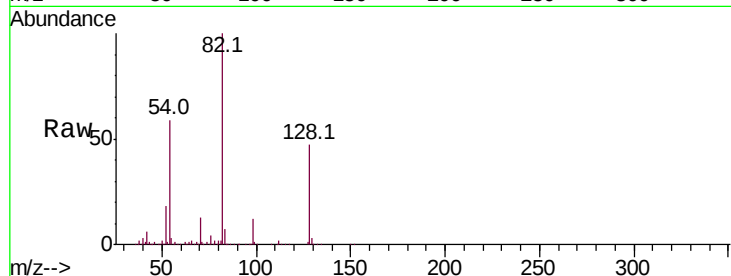




#19
n-Nitroso-di-n-propylamine
Concen: 12.754 ng
RT: 7.53 min Scan# 883
Delta R.T. 0.16 min
Lab File: BF107826.D
Acq: 31 Jul 2018 3:00

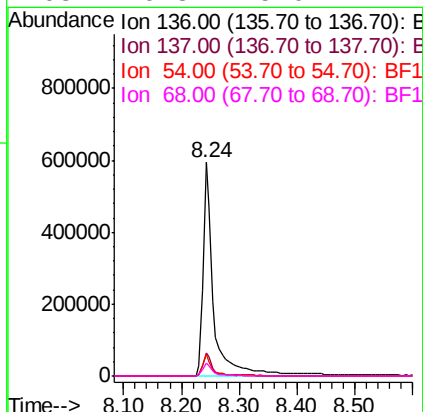
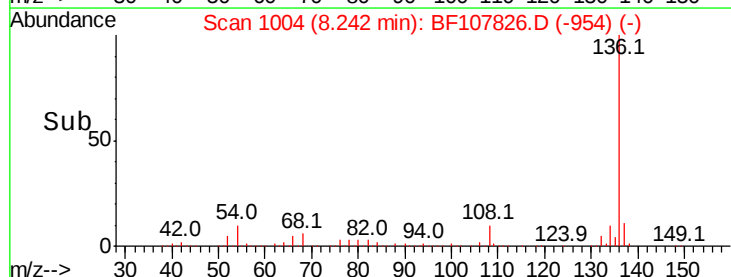
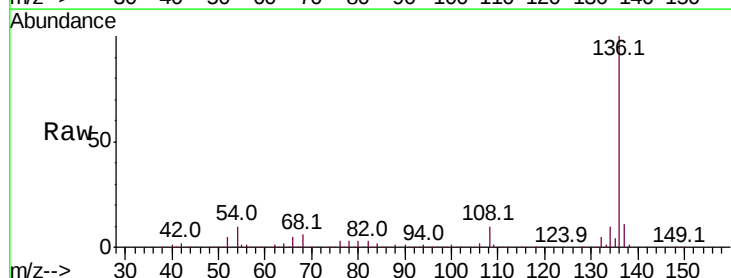
Instrument :
BNA_F
ClientSampled :

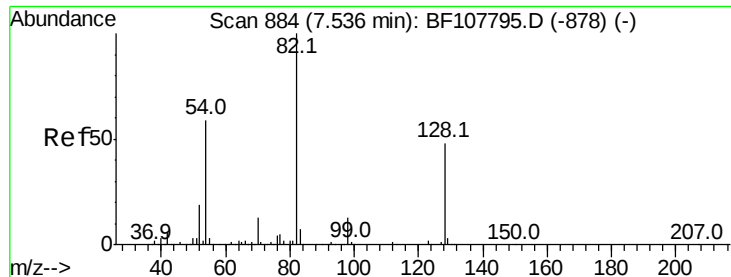
Tot Ion: 70 Resp: 118788
Ion Ratio Lower Upper
70 100
42 48.2 47.5 71.3
101 0.0 7.4 11.2#
130 2.6 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107826.D
Acq: 31 Jul 2018 3:00

Tgt Ion: 136 Resp: 783378
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 10.3 6.6 9.8#
68 6.3 5.0 7.4

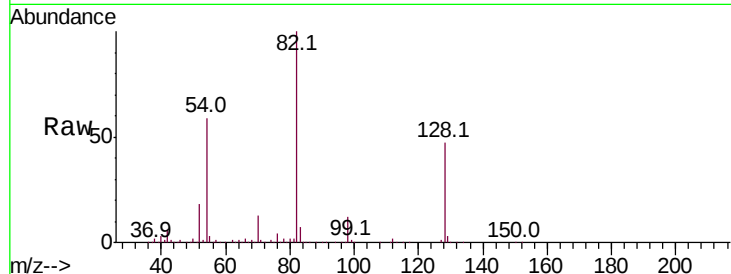




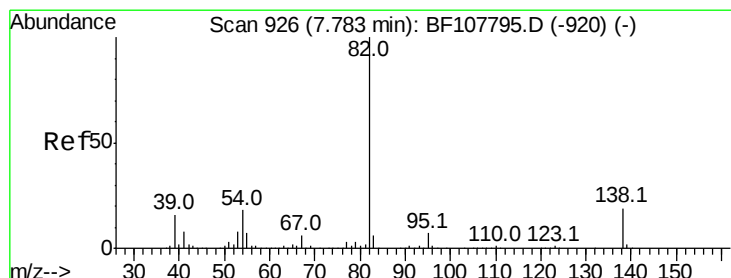
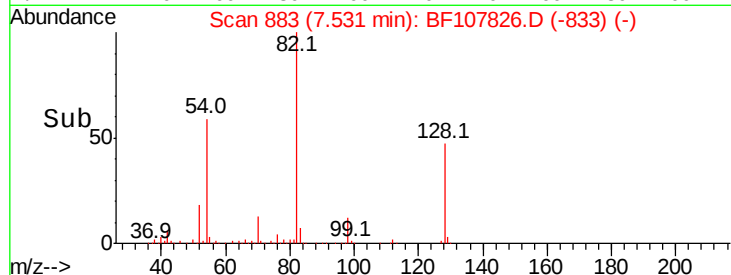
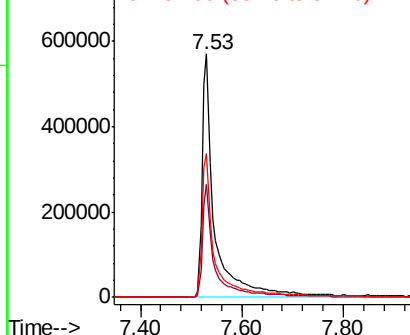
#23
Nitrobenzene-d5
Concen: 73.238 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF107826.D
Acq: 31 Jul 2018 3:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 995879
Ion Ratio Lower Upper
82 100
128 46.5 36.1 54.1
54 59.0 41.4 62.2

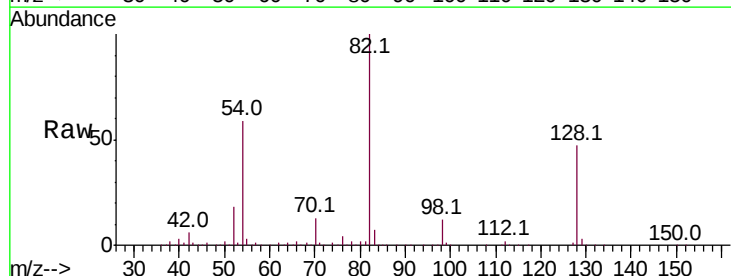


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

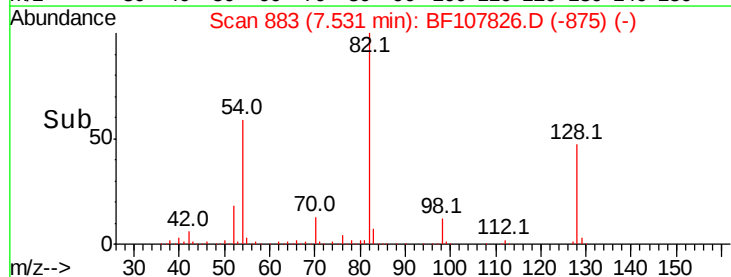
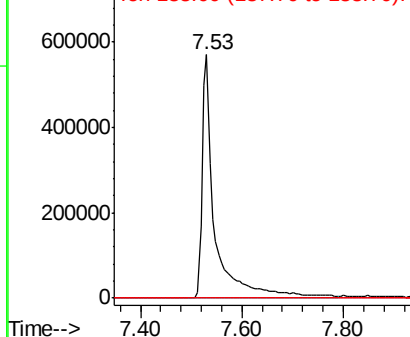


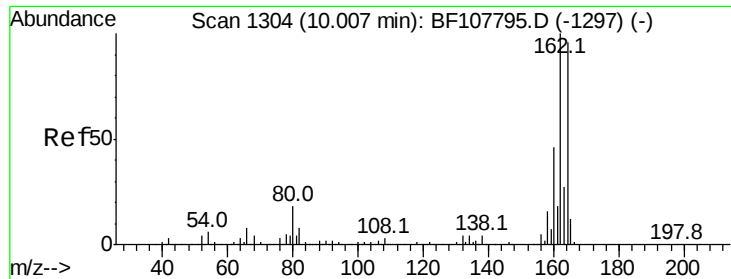
#25
Isophorone
Concen: 44.617 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.25 min
Lab File: BF107826.D
Acq: 31 Jul 2018 3:00

Tgt Ion: 82 Resp: 995879
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

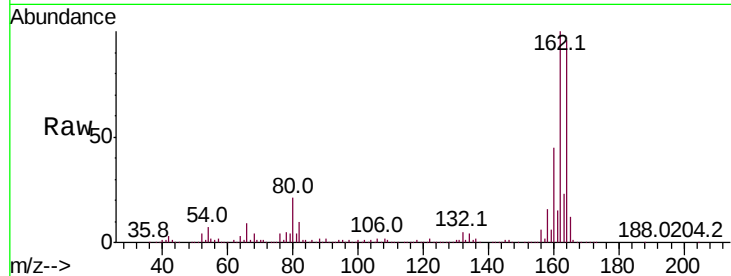




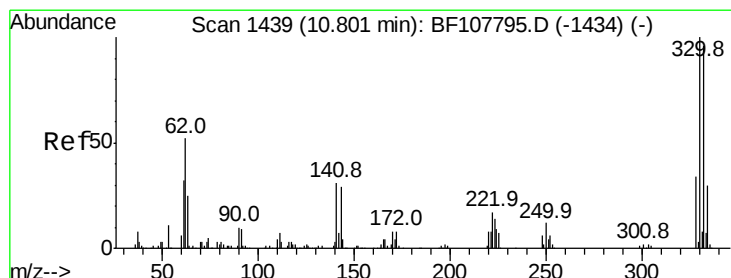
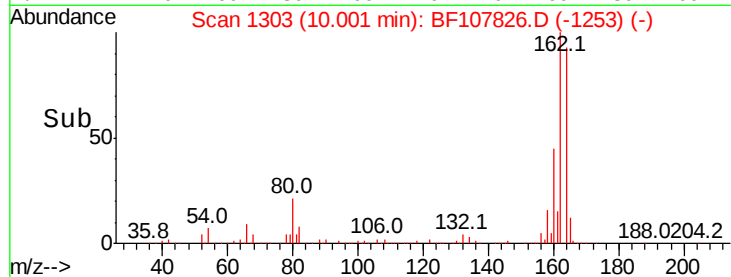
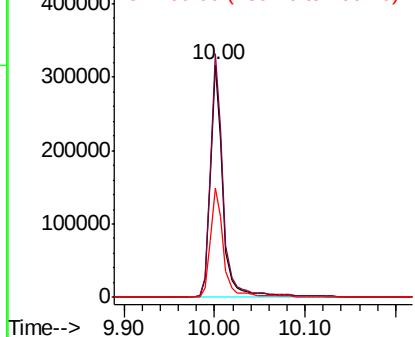
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF107826.D
 Acq: 31 Jul 2018 3:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 313888
 Ion Ratio Lower Upper
 164 100
 162 104.6 86.1 129.1
 160 46.9 38.3 57.5

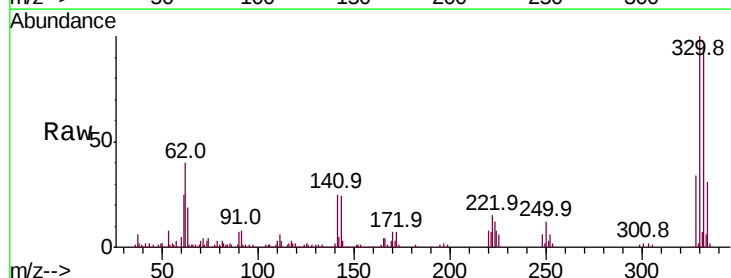


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

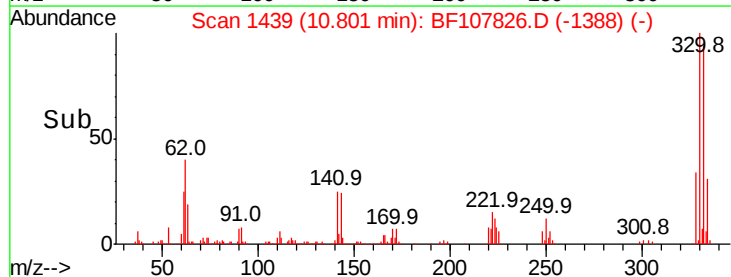
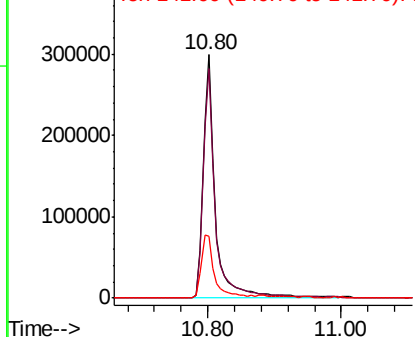


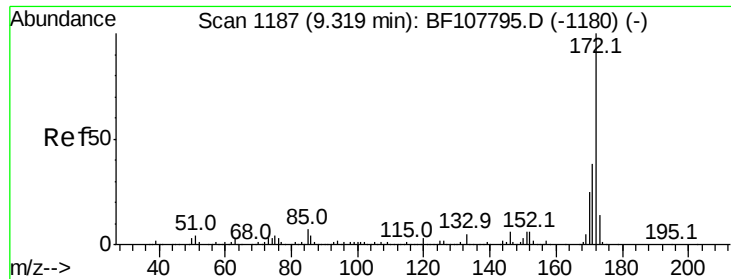
#41
 2,4,6-Tribromophenol
 Concen: 86.676 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: BF107826.D
 Acq: 31 Jul 2018 3:00

Tgt Ion:330 Resp: 369681
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 27.1 29.9 44.9#



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

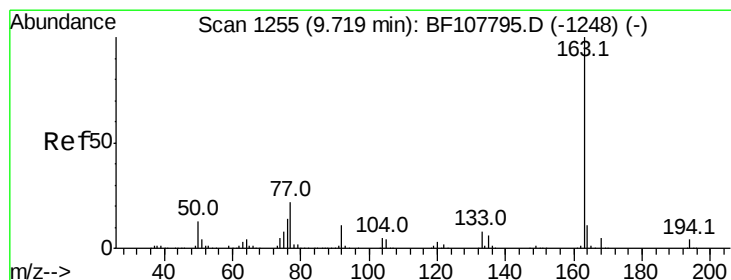
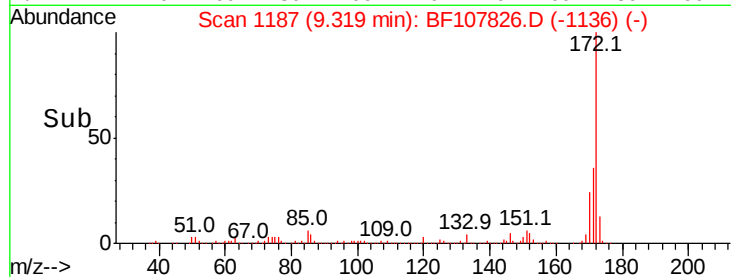
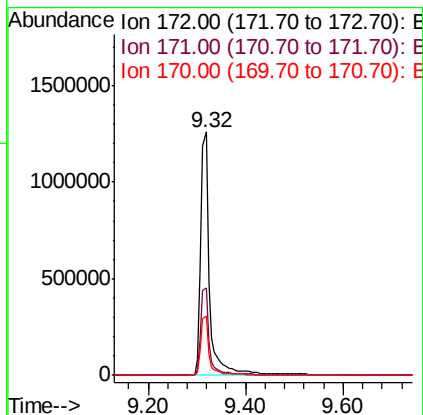
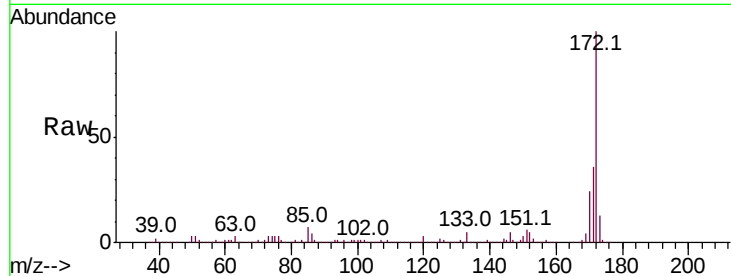




#44
2-Fluorobiphenyl
Concen: 71.381 ng
RT: 9.32 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BF107826.D
Acq: 31 Jul 2018 3:00

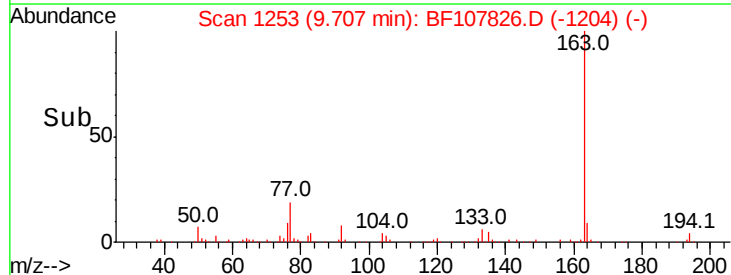
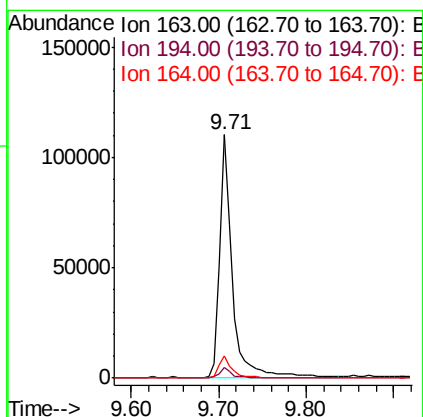
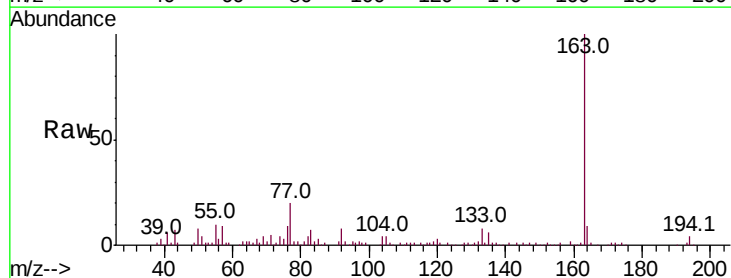
Instrument :
BNA_F
ClientSampleId :

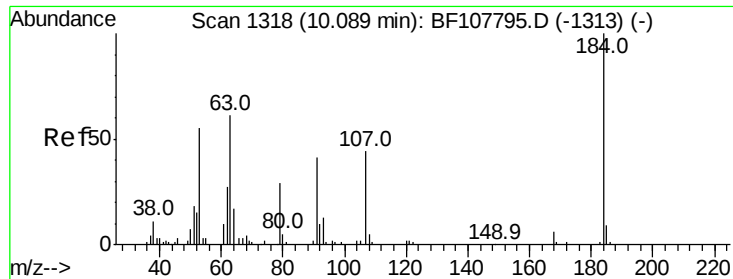
Tot Ion:172 Resp: 1607887
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 24.4 19.6 29.4



#49
Dimethylphthalate
Concen: 4.820 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF107826.D
Acq: 31 Jul 2018 3:00

Tgt Ion:163 Resp: 113624
Ion Ratio Lower Upper
163 100
194 4.4 2.7 4.1#
164 9.2 8.2 12.2

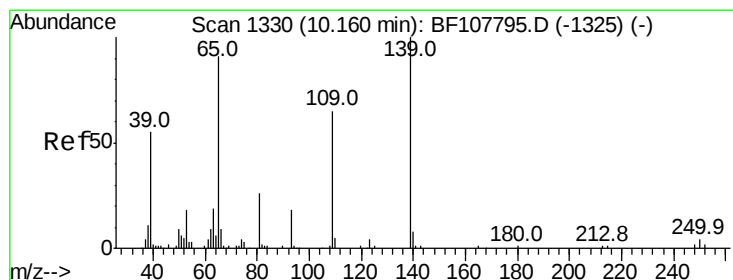
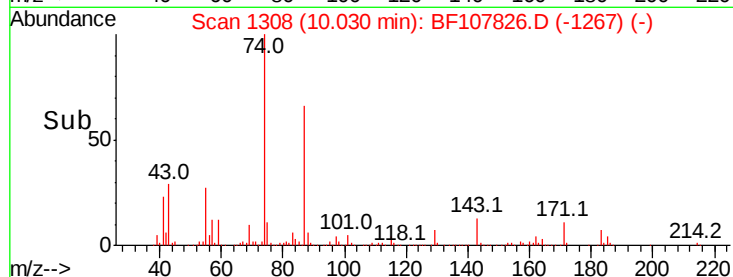
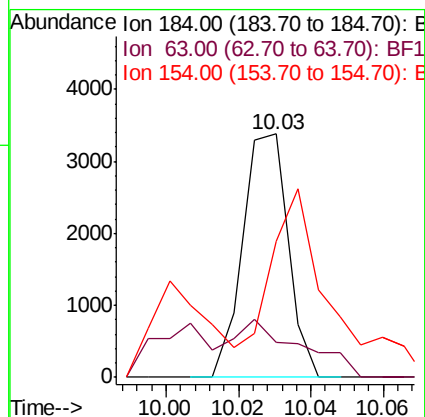
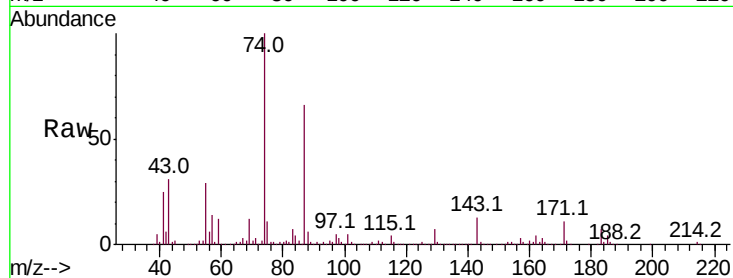




#53
2,4-Dinitrophenol
Concen: 9.413 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.06 min
Lab File: BF107826.D
Acq: 31 Jul 2018 3:00

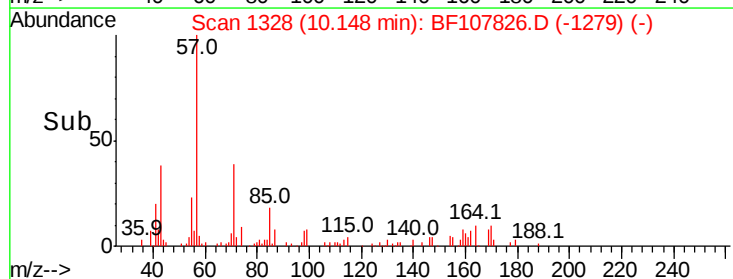
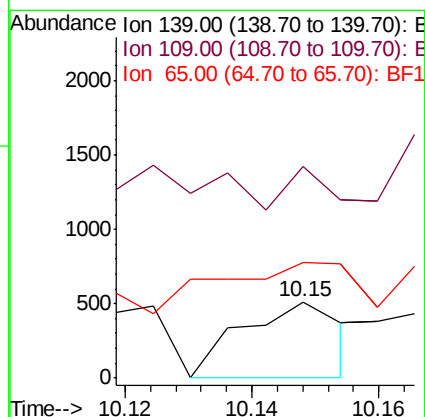
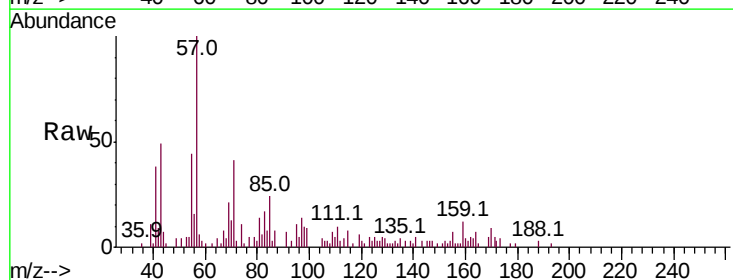
Instrument :
BNA_F
ClientSampleId :

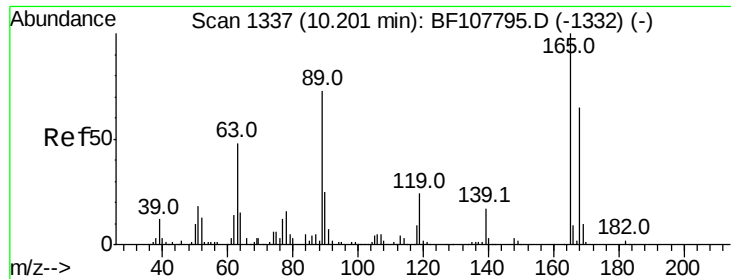
Tot Ion:184 Resp: 2936
Ion Ratio Lower Upper
184 100
63 14.4 54.2 81.2#
154 55.7 184.0 276.0#



#55
4-Nitrophenol
Concen: 9.475 ng
RT: 10.15 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF107826.D
Acq: 31 Jul 2018 3:00

Tgt Ion:139 Resp: 558
Ion Ratio Lower Upper
139 100
109 276.6 48.4 88.4#
65 150.9 72.6 112.6#

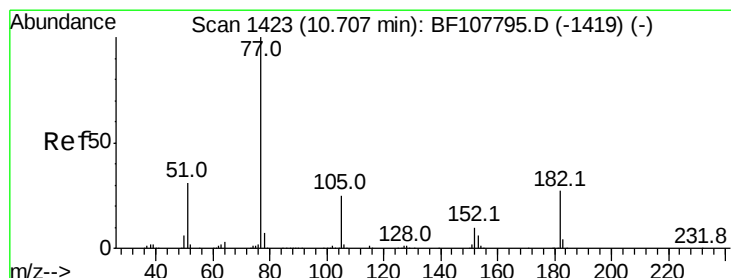
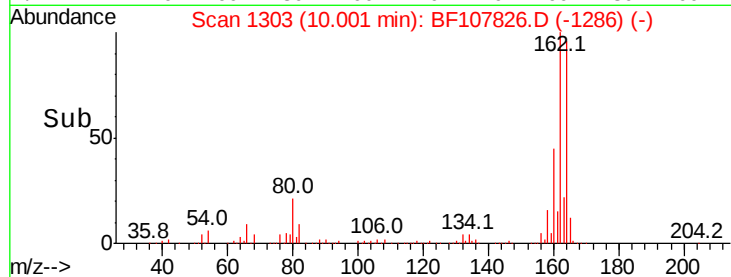
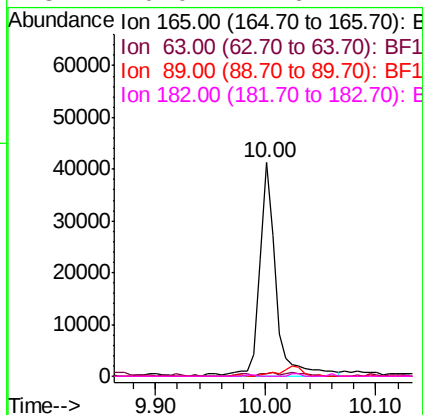
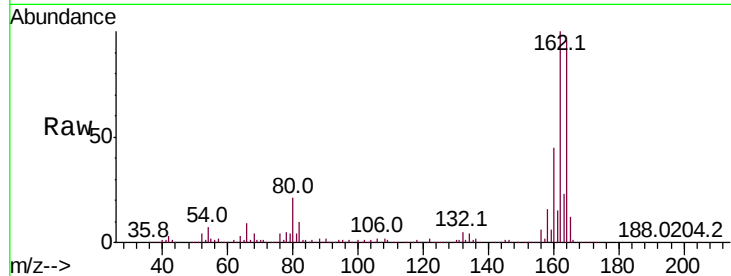




#56
 2,4-Dinitrotoluene
 Concen: 6.411 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.20 min
 Lab File: BF107826.D
 Acq: 31 Jul 2018 3:00

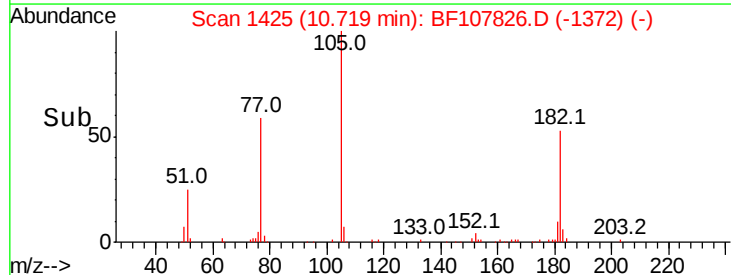
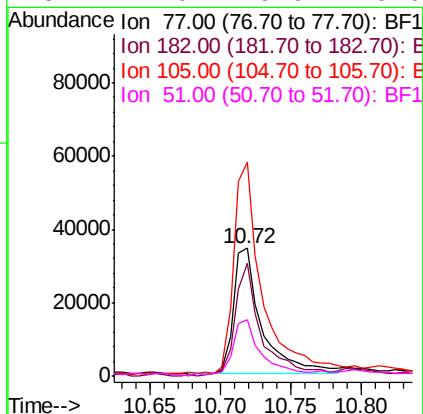
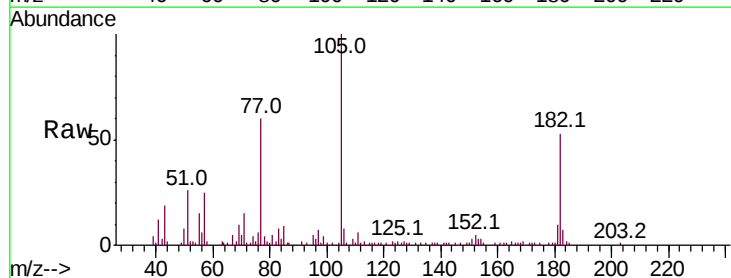
Instrument :
 BNA_F
 ClientSampleId :

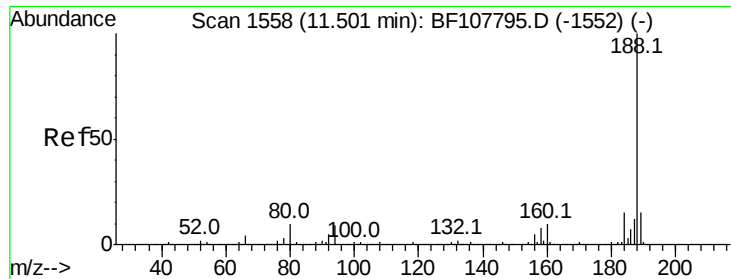
Tot Ion:	165	Resp:	43169
Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#62
 Azobenzene
 Concen: 2.061 ng
 RT: 10.72 min Scan# 1425
 Delta R.T. 0.01 min
 Lab File: BF107826.D
 Acq: 31 Jul 2018 3:00

Tgt Ion:	77	Resp:	48644
Ion	Ratio	Lower	Upper
77	100		
182	88.0	1.7	41.7#
105	167.1	3.0	43.0#
51	44.0	9.9	49.9

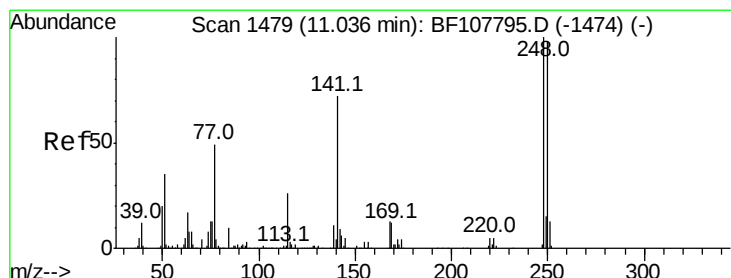
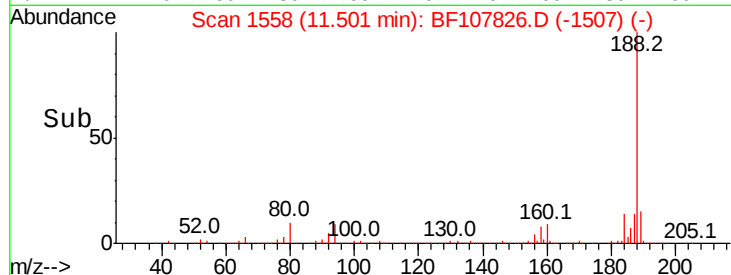
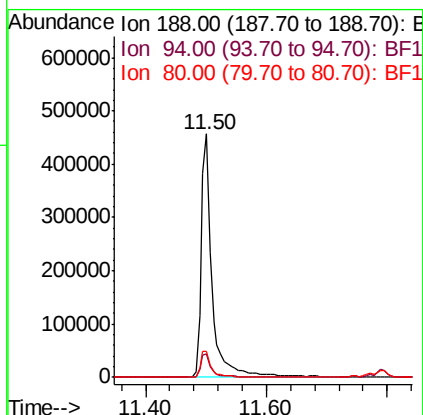
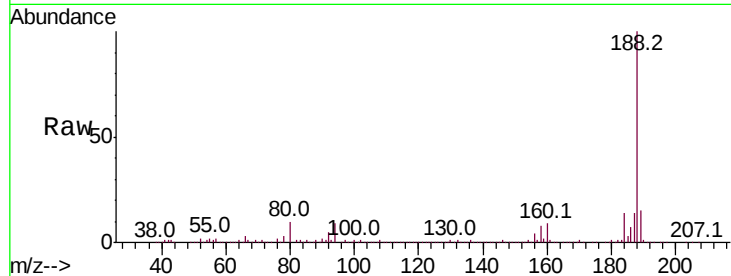




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: BF107826.D
 Acq: 31 Jul 2018 3:00

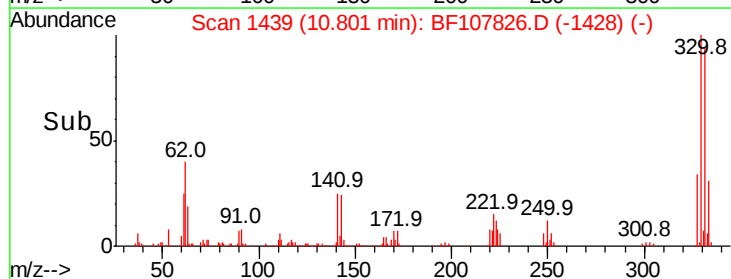
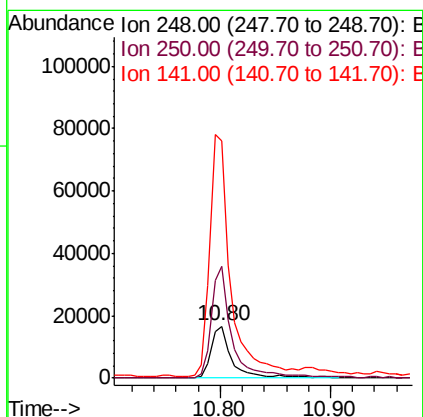
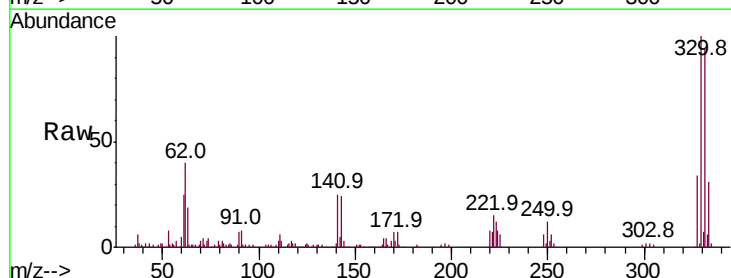
Instrument :
 BNA_F
 ClientSampleId :

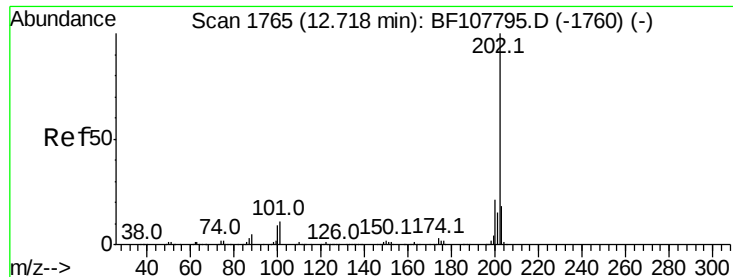
Tot Ion:188 Resp: 575935
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.5 12.7
 80 10.4 9.2 13.8



#66
 4-Bromophenyl-phenylether
 Concen: 3.226 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.24 min
 Lab File: BF107826.D
 Acq: 31 Jul 2018 3:00

Tgt Ion:248 Resp: 21657
 Ion Ratio Lower Upper
 248 100
 250 215.5 76.9 115.3#
 141 457.0 74.4 111.6#

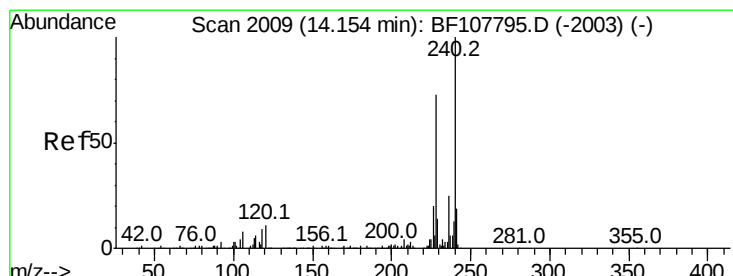
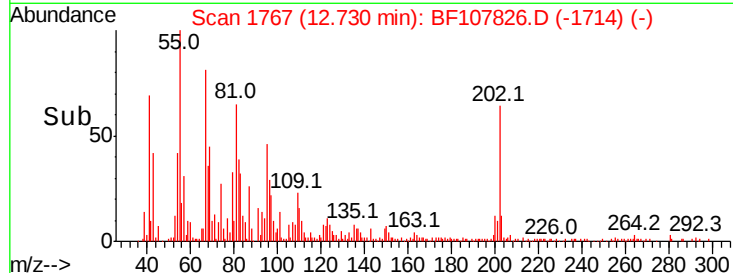
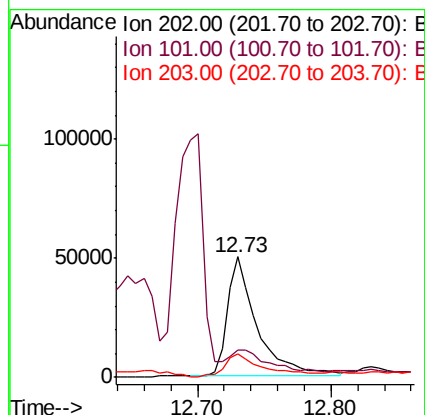
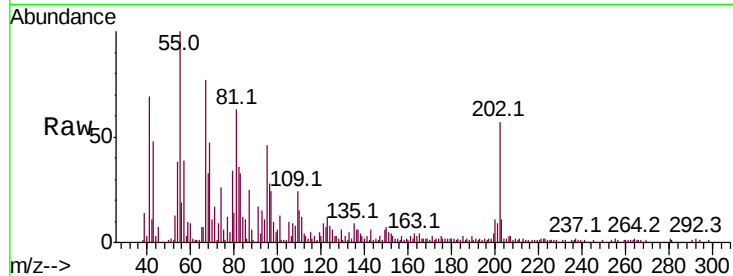




#74
 Fluoranthene
 Concen: 2.454 ng
 RT: 12.73 min Scan# 1767
 Delta R.T. 0.01 min
 Lab File: BF107826.D
 Acq: 31 Jul 2018 3:00

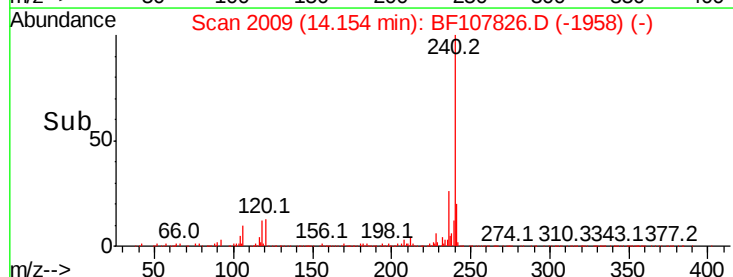
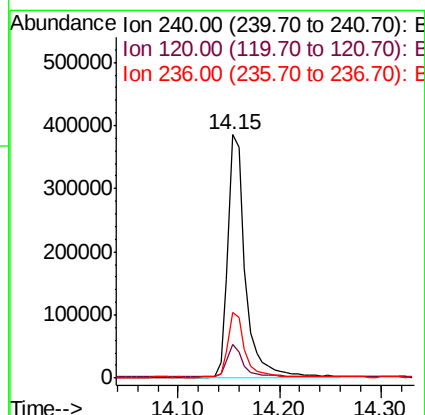
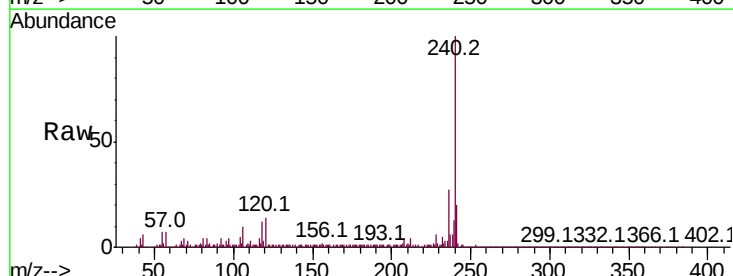
Instrument :
 BNA_F
 ClientSampled :

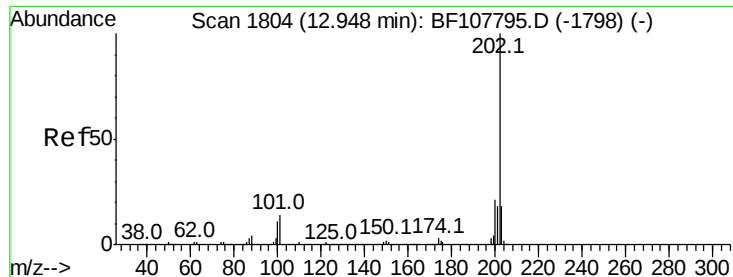
Tot Ion	Ratio	Lower	Upper
202	100		
101	23.2	0.0	34.1
203	19.8	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.15 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: BF107826.D
 Acq: 31 Jul 2018 3:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.7	9.5	14.3
236	26.8	20.7	31.1

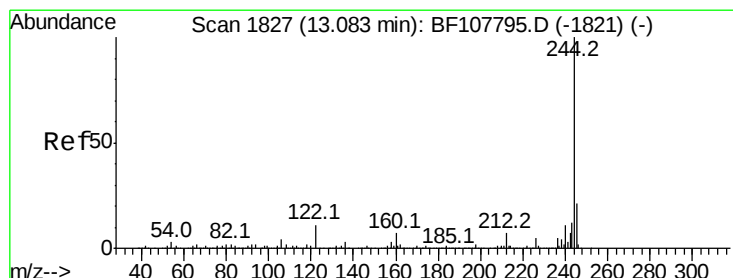
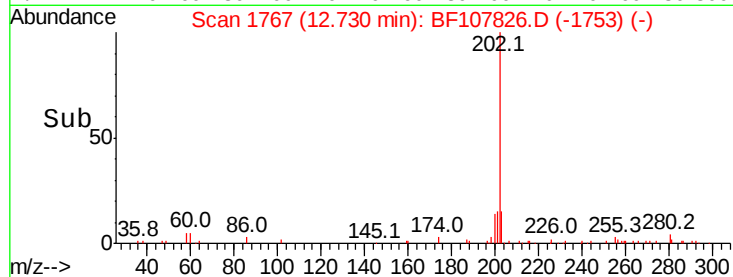
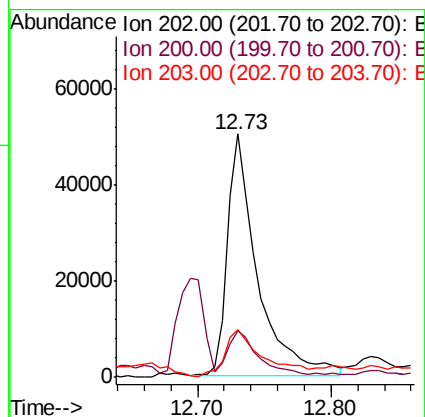
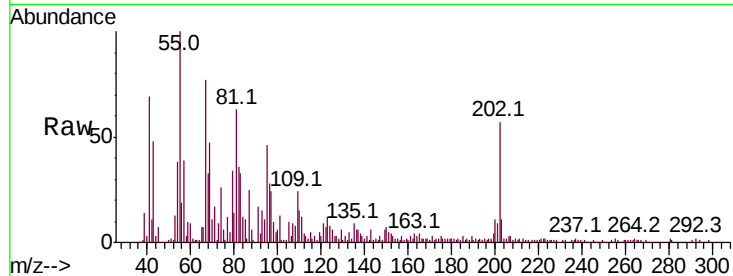




#77
Pvrene
Concen: 2.356 ng
RT: 12.73 min Scan# 1767
Delta R.T. -0.22 min
Lab File: BF107826.D
Acq: 31 Jul 2018 3:00

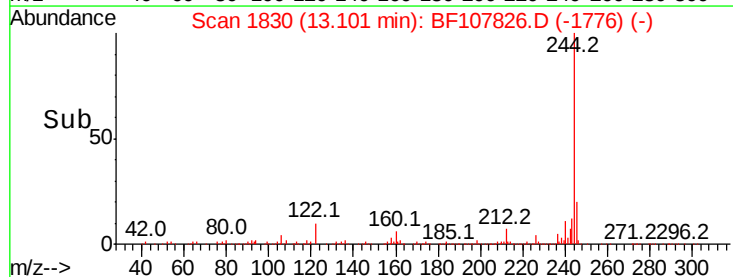
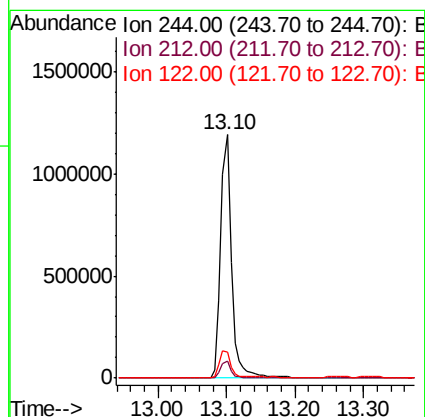
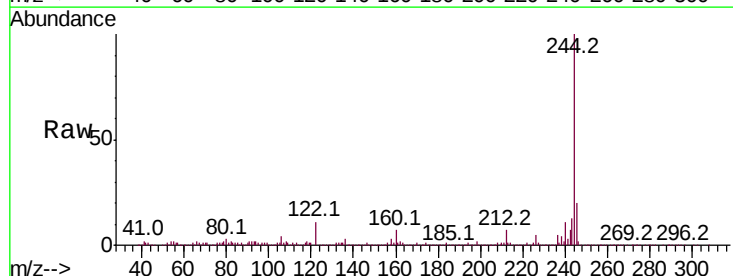
Instrument :
BNA_F
ClientSampleId :

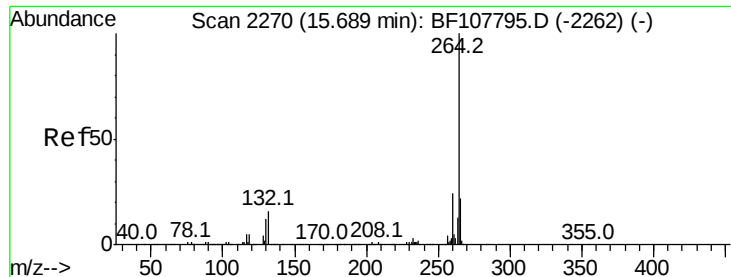
Tot Ion:202 Resp: 78852
Ion Ratio Lower Upper
202 100
200 19.3 17.4 26.2
203 19.8 14.3 21.5



#78
Terphenyl-d14
Concen: 60.503 ng
RT: 13.10 min Scan# 1830
Delta R.T. 0.02 min
Lab File: BF107826.D
Acq: 31 Jul 2018 3:00

Tgt Ion:244 Resp: 1297101
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 10.8 11.0 16.4#

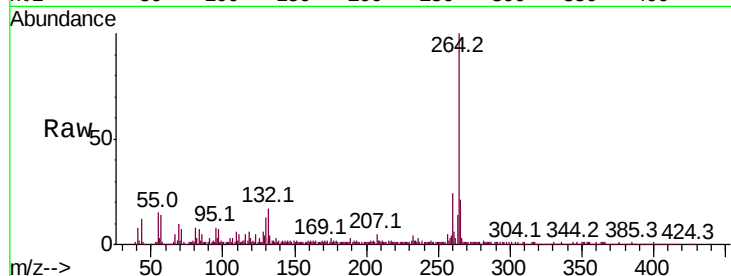




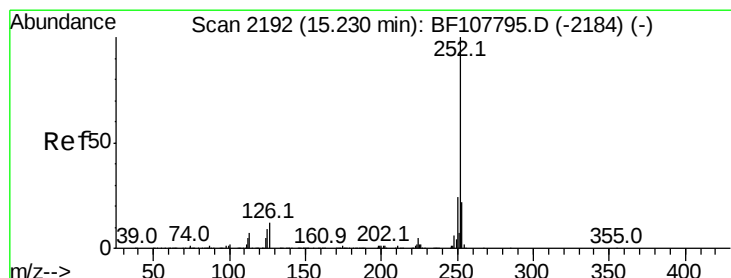
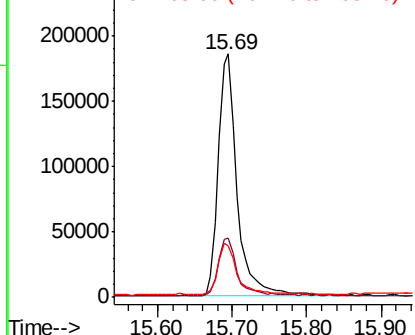
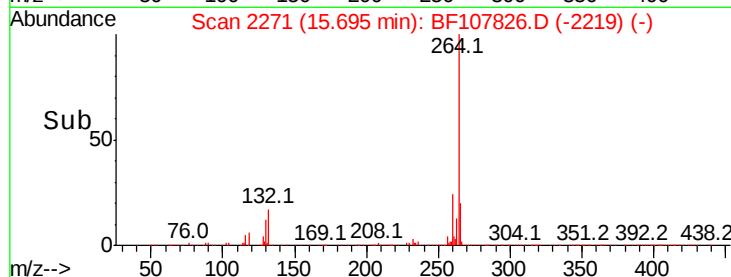
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF107826.D
Acq: 31 Jul 2018 3:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.1	17.5	26.3

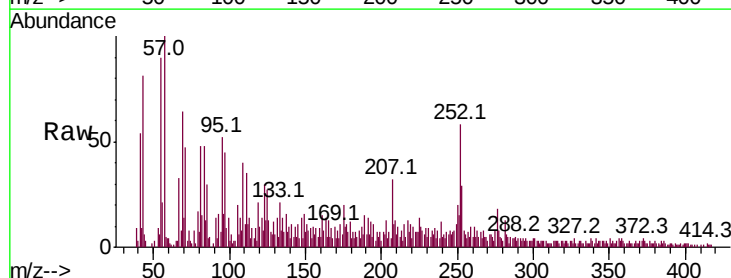


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

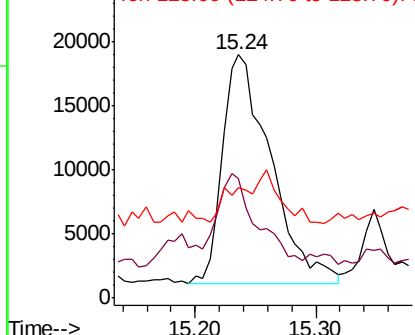
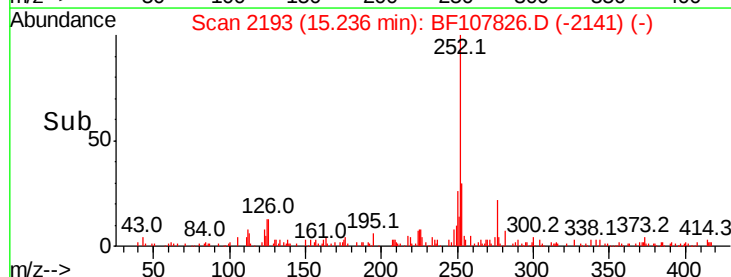


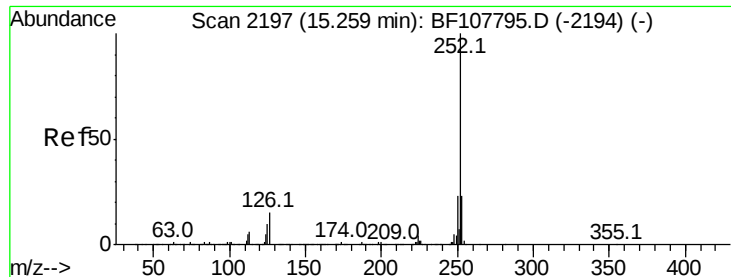
#87
Benzo(b)fluoranthene
Concen: 3.093 ng
RT: 15.24 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF107826.D
Acq: 31 Jul 2018 3:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	49.2	17.0	25.6#
125	45.6	9.0	13.6#



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: 2.519 ng

RT: 15.24 min Scan# 2193

Delta R.T. -0.02 min

Lab File: BF107826.D

Acq: 31 Jul 2018 3:00

Instrument :

BNA_F

ClientSampleId :

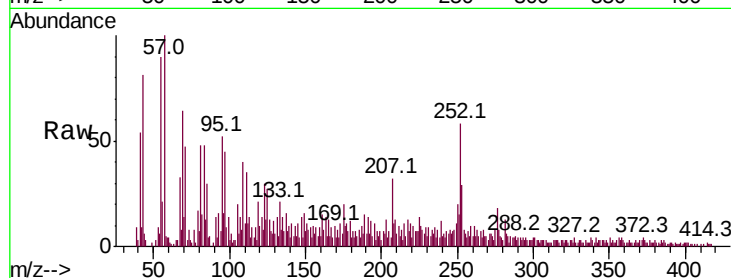
Tot Ion:252 Resp: 49823

Ion Ratio Lower Upper

252 100

253 49.2 17.9 26.9#

125 45.6 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

