

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072318\
 Data File : BF107595.D
 Acq On : 23 Jul 2018 18:25
 Operator : JU/SJ
 Sample : J4062-37
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-10

Quant Time: Jul 24 03:19:45 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	6.98	152	268571	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	898656	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	350674	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	706641	20.00	ng	0.00
75) Chrysene-d12	14.18	240	549095	20.00	ng	0.01
86) Perylene-d12	15.72	264	405327	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	1620751	97.03	ng	0.00
7) Phenol-d6	6.61	99	1938054	96.63	ng	0.00
23) Nitrobenzene-d5	7.54	82	1157349	86.92	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	460891	115.58	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1589438	75.18	ng	0.00
78) Terphenyl-d14	13.10	244	1618457	75.46	ng	0.00

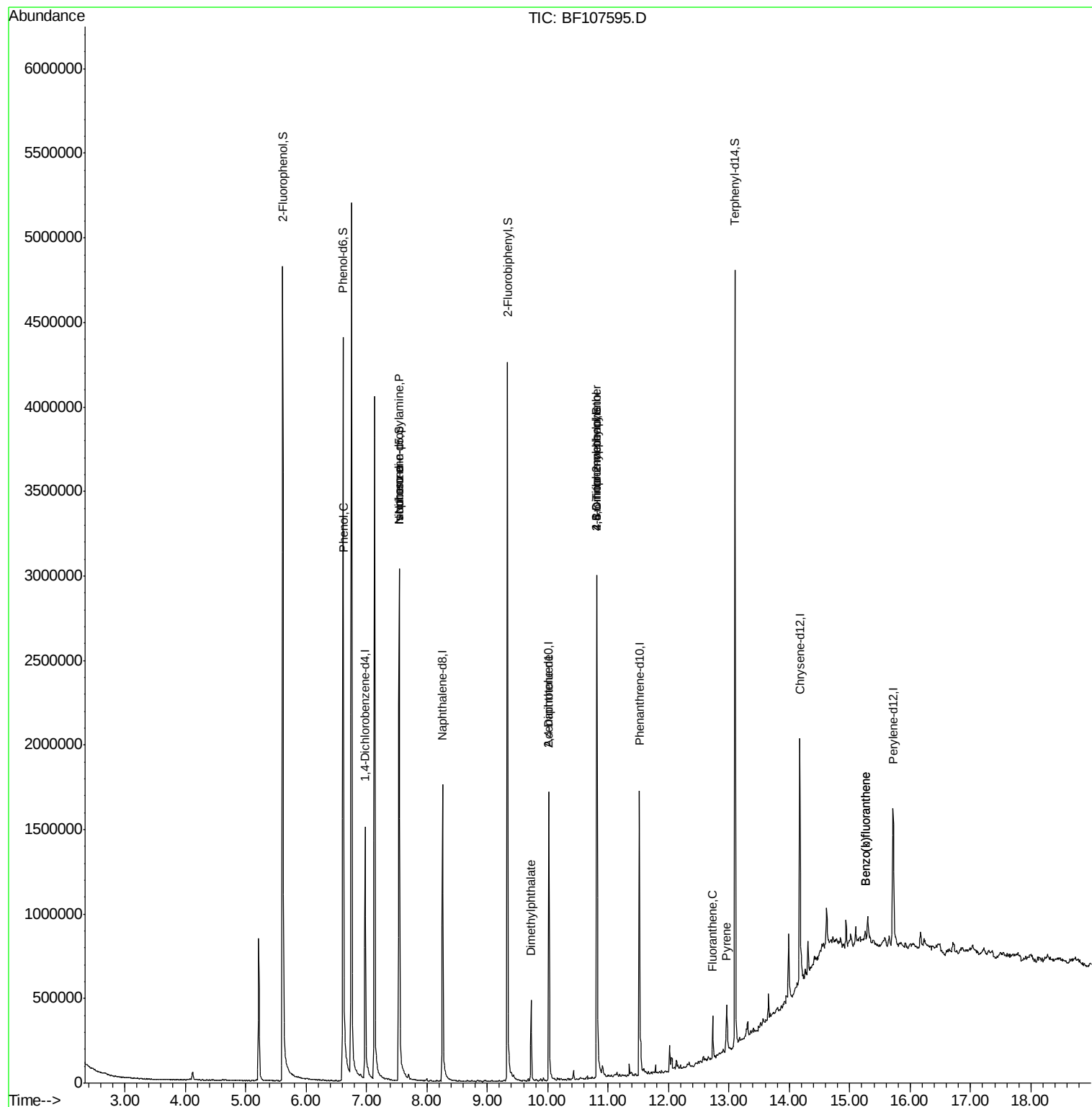
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.61	77	4179	Below Cal		# 1
10) Phenol	6.62	94	57455	2.436	ng	# 69
19) n-Nitroso-di-n-propylamine	7.54	70	147172	11.358	ng	# 80
25) Isophorone	7.54	82	1157343	40.706	ng	# 64
49) Dimethylphthalate	9.72	163	185618	7.023	ng	# 99
56) 2,4-Dinitrotoluene	10.02	165	44575	7.038	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.81	198	785	8.869	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	26655	3.204	ng	# 1
73) Di-n-butylphthalate	12.06	149	34865	Below Cal		# 98
74) Fluoranthene	12.74	202	112008	3.031	ng	# 97
77) Pyrene	12.97	202	121467	3.234	ng	# 98
81) 3,3'-Dichlorobenzidine	14.10	252	262	Below Cal		# 47
87) Benzo(b)fluoranthene	15.26	252	57245	2.581	ng	# 71
88) Benzo(k)fluoranthene	15.26	252	57245	2.634	ng	# 75

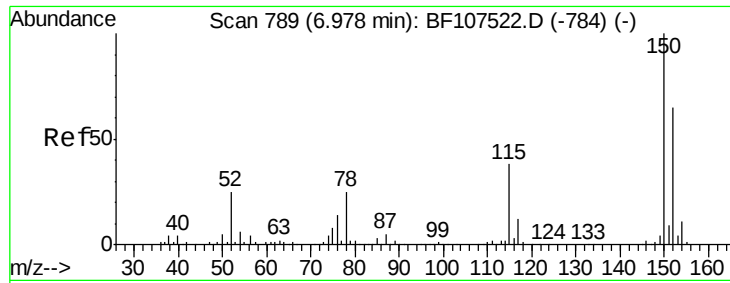
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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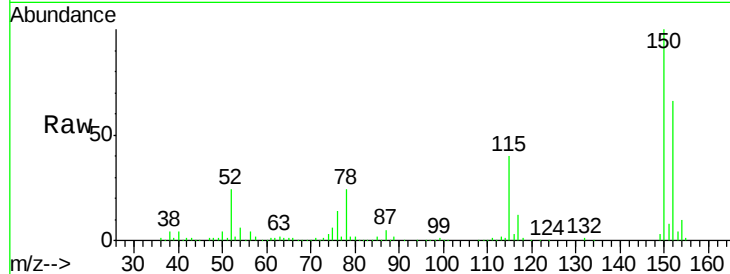


#1

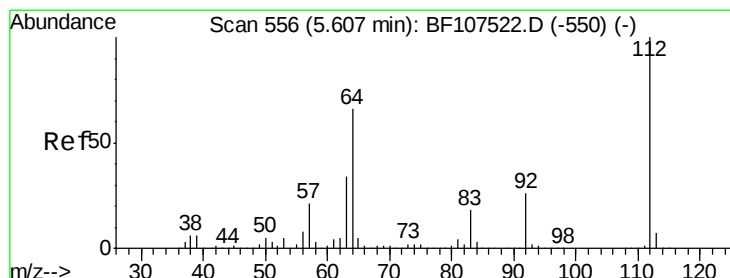
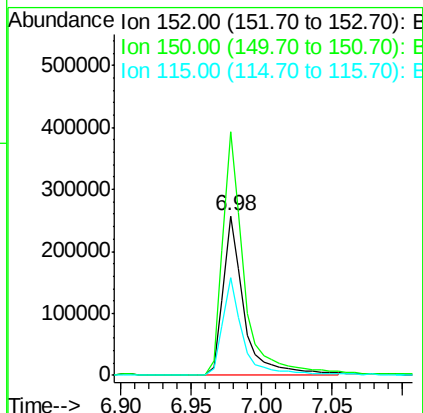
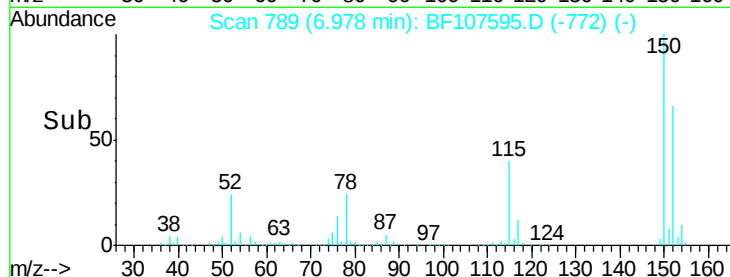
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF107595.D
Acq: 23 Jul 2018 18:25

Instrument :
BNA_F
ClientSampleId :
TP-10

Tgt Ion:152 Resp: 268571
Ion Ratio Lower Upper
152 100
150 152.6 124.6 186.8
115 61.0 50.1 75.1



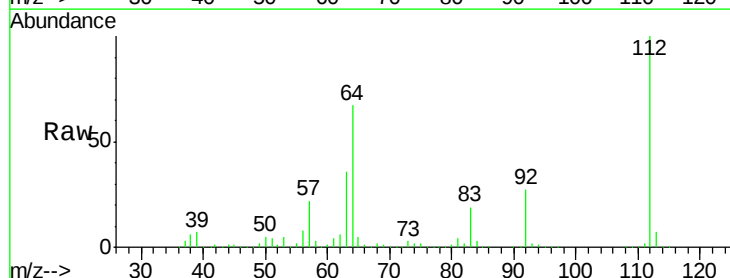
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



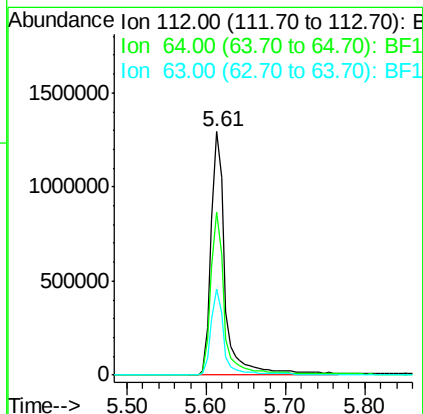
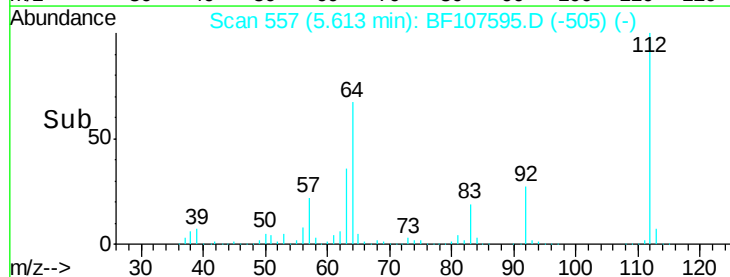
#5

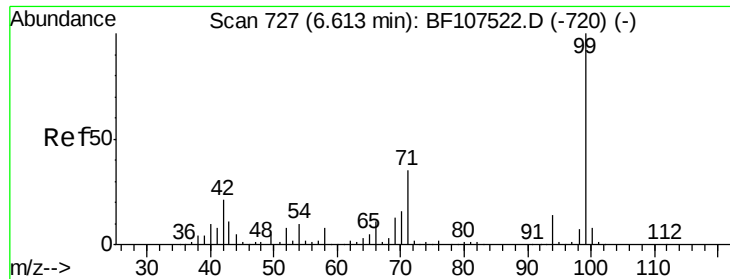
2-Fluorophenol
Concen: 97.027 ng
RT: 5.61 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF107595.D
Acq: 23 Jul 2018 18:25

Tgt Ion:112 Resp: 1620751
Ion Ratio Lower Upper
112 100
64 67.2 47.9 71.9
63 35.6 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: 96.626 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF107595.D

Acq: 23 Jul 2018 18:25

Instrument :

BNA_F

ClientSampleId :

TP-10

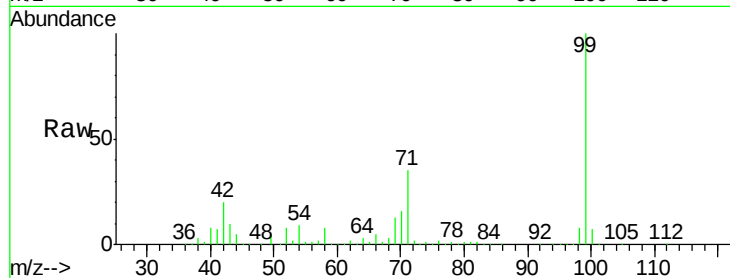
Tgt Ion: 99 Resp: 1938054

Ion Ratio Lower Upper

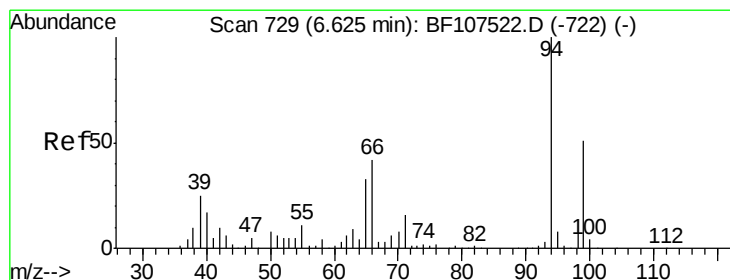
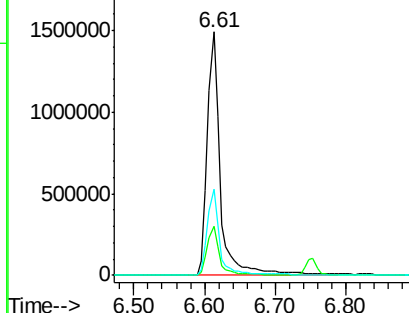
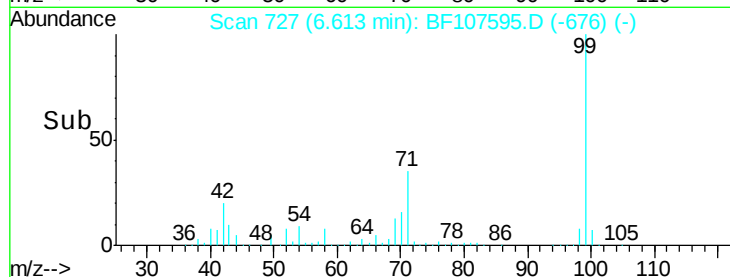
99 100

42 20.1 14.5 21.7

71 35.2 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



#10

Phenol

Concen: 2.436 ng

RT: 6.62 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF107595.D

Acq: 23 Jul 2018 18:25

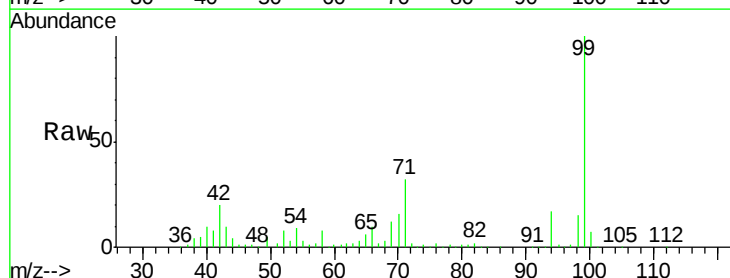
Tgt Ion: 94 Resp: 57455

Ion Ratio Lower Upper

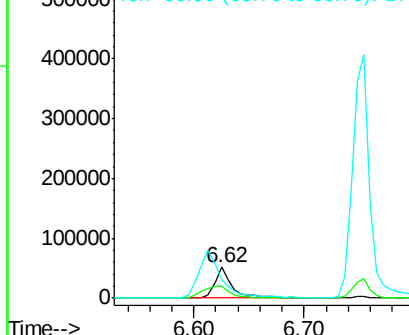
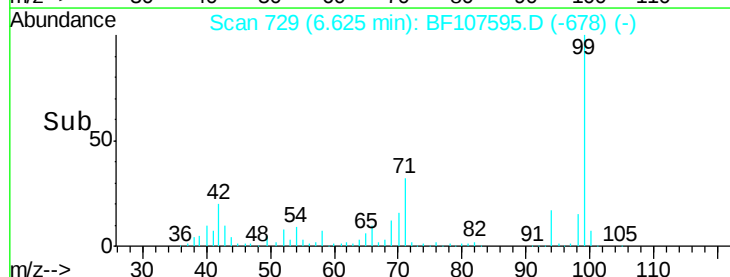
94 100

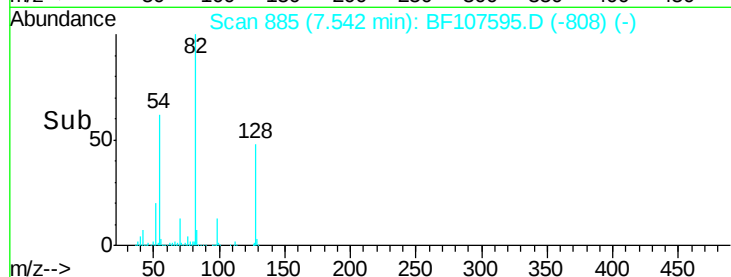
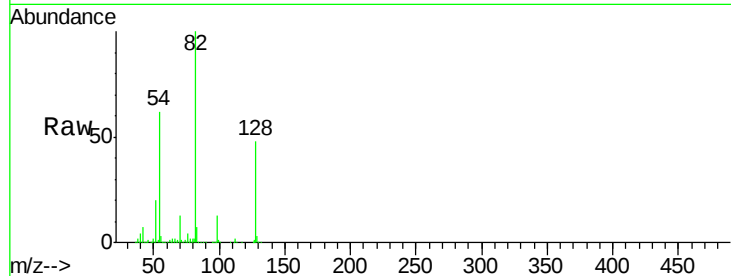
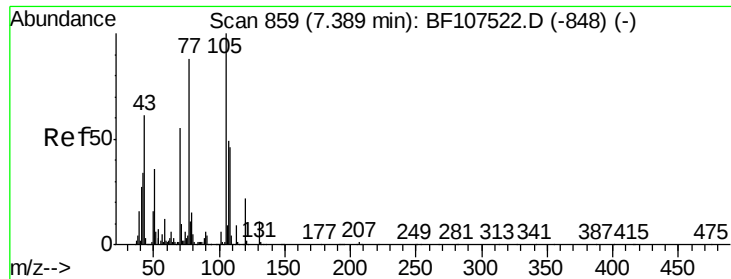
65 36.6 7.9 47.9

66 60.6 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

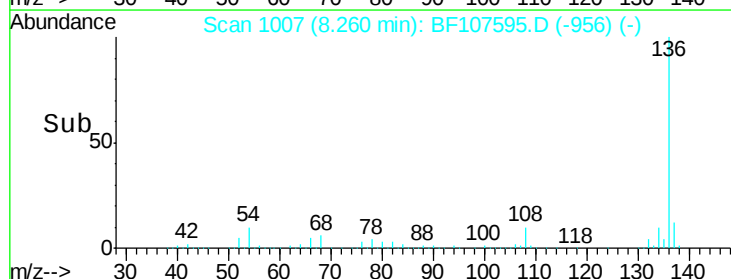
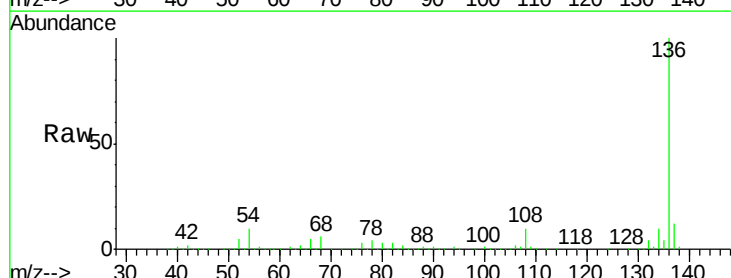
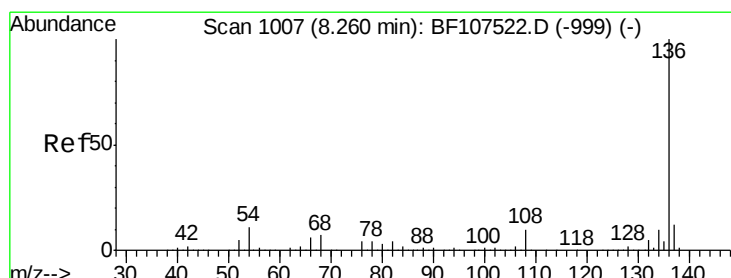
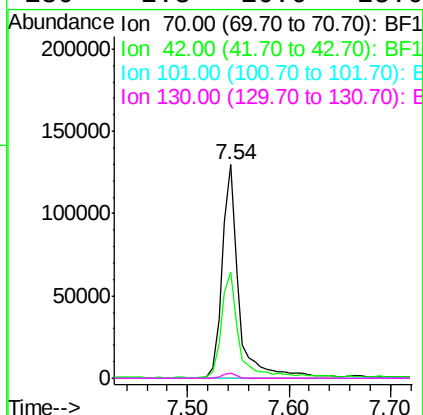




#19
n-Nitroso-di-n-propylamine
Concen: 11.358 ng
RT: 7.54 min Scan# 885
Delta R.T. 0.15 min
Lab File: BF107595.D
Acq: 23 Jul 2018 18:25

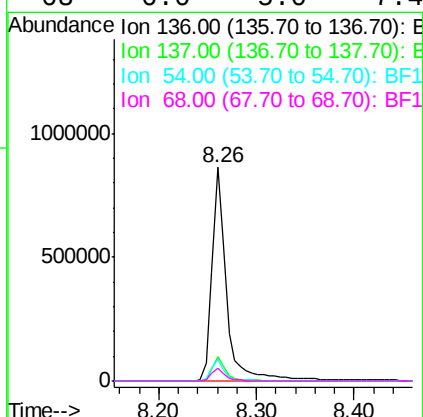
Instrument :
BNA_F
ClientSampleId :
TP-10

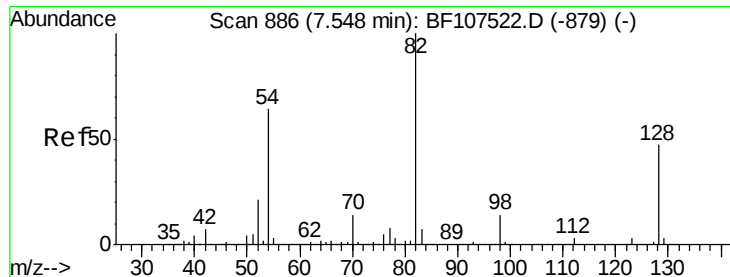
Tgt Ion: 70 Resp: 147172
Ion Ratio Lower Upper
70 100
42 50.0 47.5 71.3
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BF107595.D
Acq: 23 Jul 2018 18:25

Tgt Ion: 136 Resp: 898656
Ion Ratio Lower Upper
136 100
137 11.6 8.9 13.3
54 10.1 6.6 9.8#
68 6.0 5.0 7.4

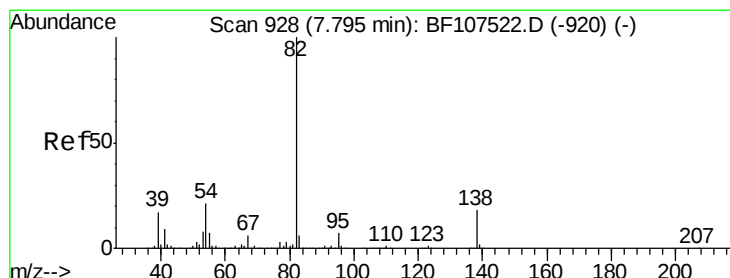
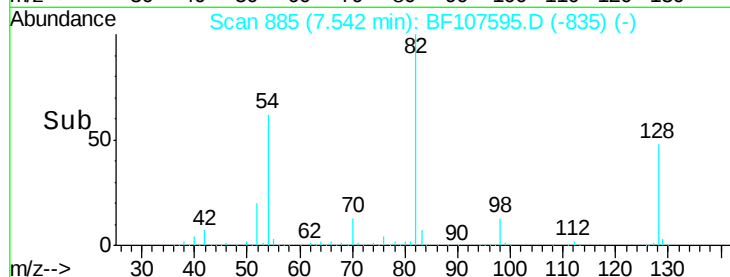
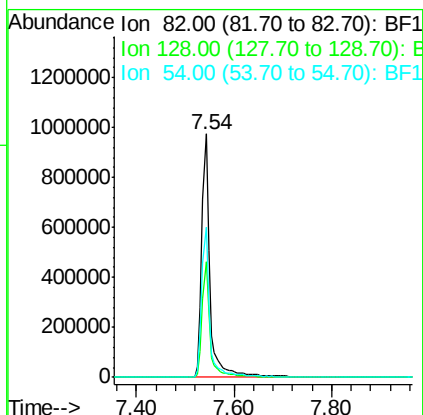
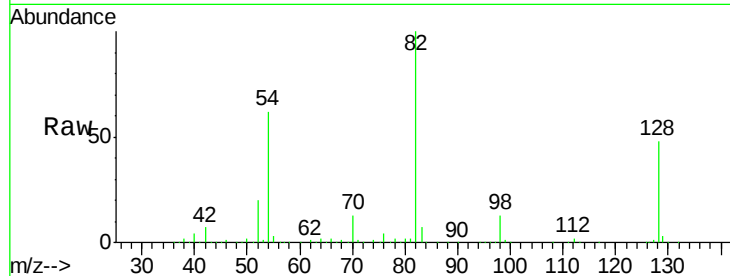




#23
Nitrobenzene-d5
Concen: 86.915 ng
RT: 7.54 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF107595.D
Acq: 23 Jul 2018 18:25

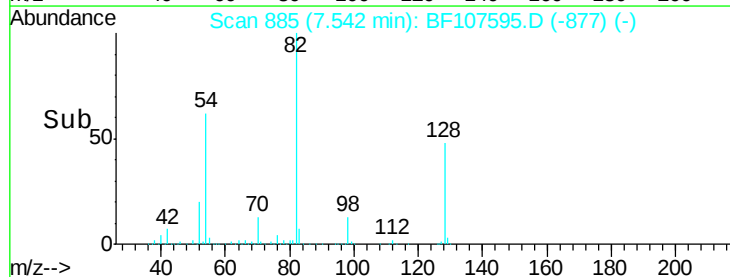
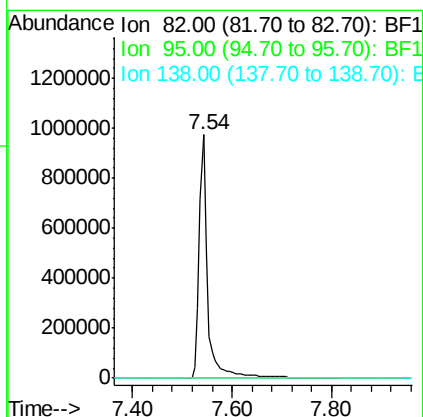
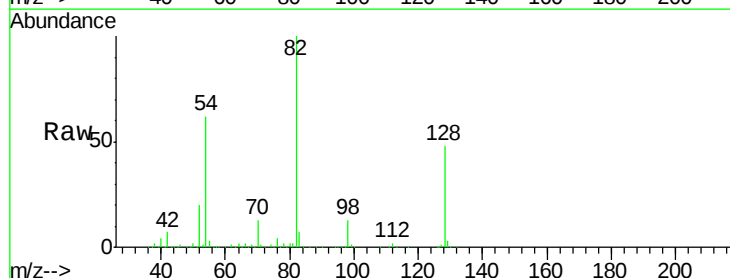
Instrument :
BNA_F
ClientSampleId :
TP-10

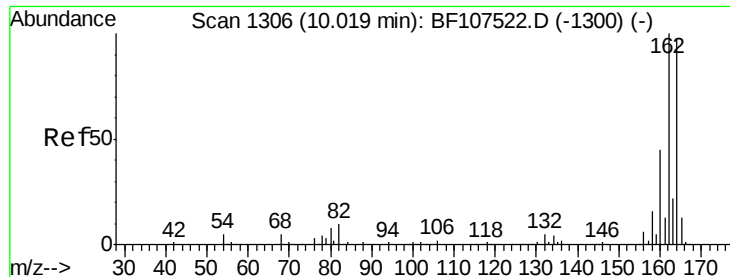
Tgt Ion: 82 Resp: 1157349
Ion Ratio Lower Upper
82 100
128 47.7 36.1 54.1
54 61.9 41.4 62.2



#25
Isophorone
Concen: 40.706 ng
RT: 7.54 min Scan# 885
Delta R.T. -0.25 min
Lab File: BF107595.D
Acq: 23 Jul 2018 18:25

Tgt Ion: 82 Resp: 1157343
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1306

Delta R.T. 0.00 min

Lab File: BF107595.D

Acq: 23 Jul 2018 18:25

Instrument :

BNA_F

ClientSampled :

TP-10

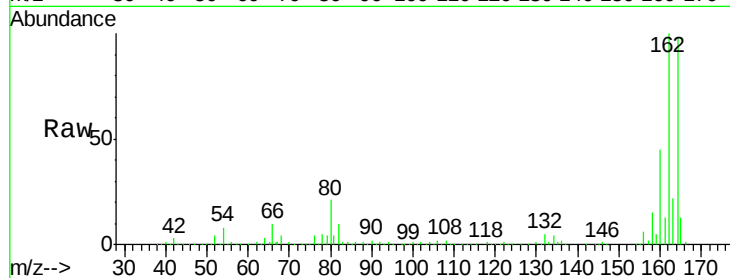
Tgt Ion:164 Resp: 350674

Ion Ratio Lower Upper

164 100

162 101.8 86.1 129.1

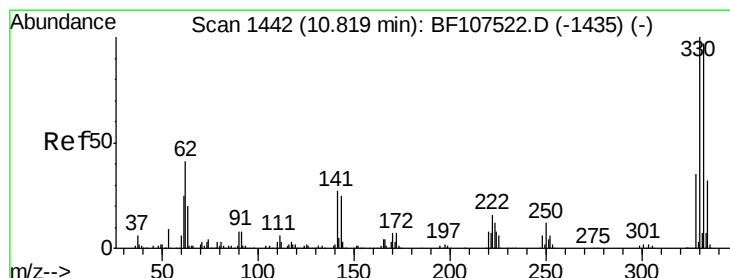
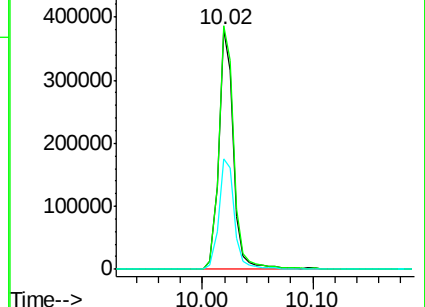
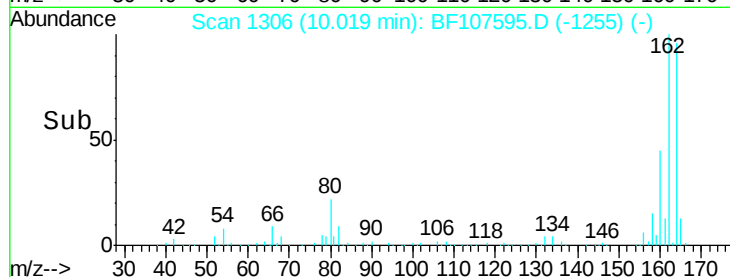
160 46.2 38.3 57.5



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: 115.578 ng

RT: 10.82 min Scan# 1442

Delta R.T. 0.00 min

Lab File: BF107595.D

Acq: 23 Jul 2018 18:25

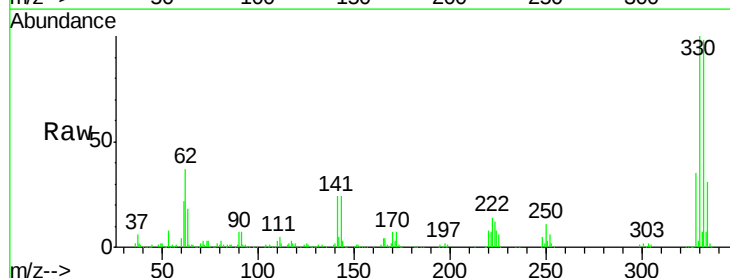
Tgt Ion:330 Resp: 460891

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

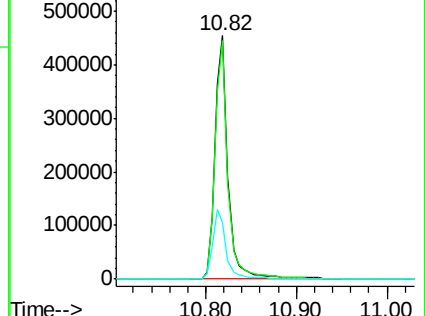
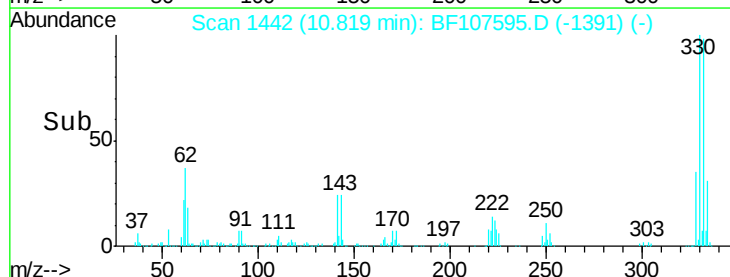
141 29.8 29.9 44.9#

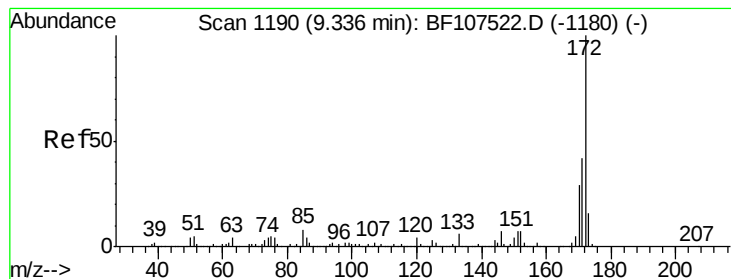


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 75.181 ng

RT: 9.34 min Scan# 1190

Delta R.T. 0.00 min

Lab File: BF107595.D

Acq: 23 Jul 2018 18:25

Instrument :

BNA_F

ClientSampleId :

TP-10

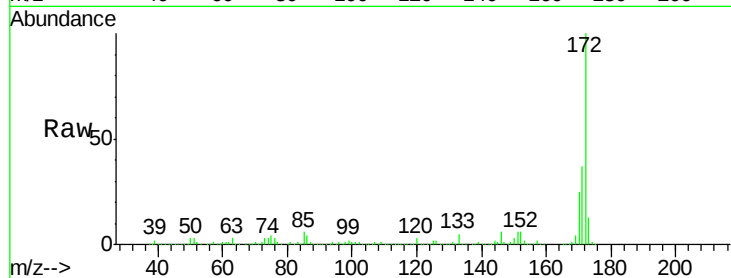
Tgt Ion:172 Resp: 1589438

Ion Ratio Lower Upper

172 100

171 37.4 29.7 44.5

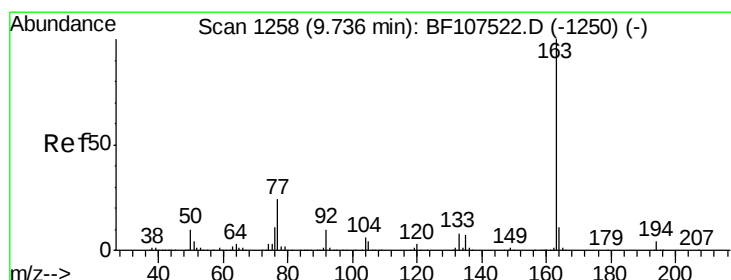
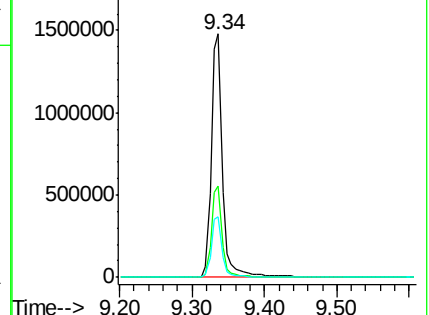
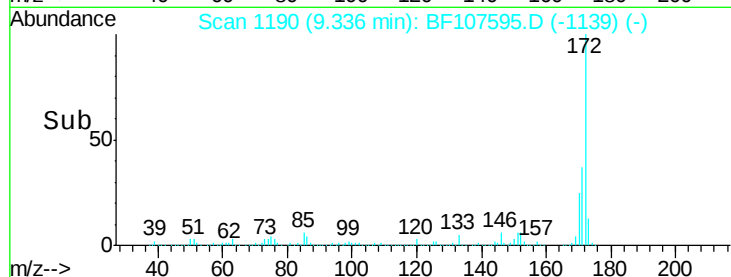
170 25.0 19.6 29.4



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: 7.023 ng

RT: 9.72 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF107595.D

Acq: 23 Jul 2018 18:25

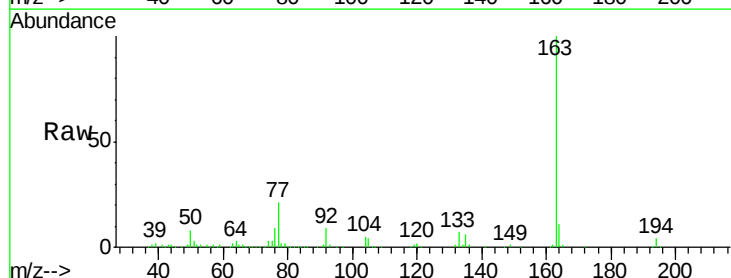
Tgt Ion:163 Resp: 185618

Ion Ratio Lower Upper

163 100

194 4.1 2.7 4.1

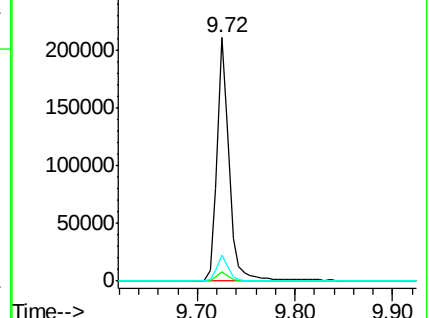
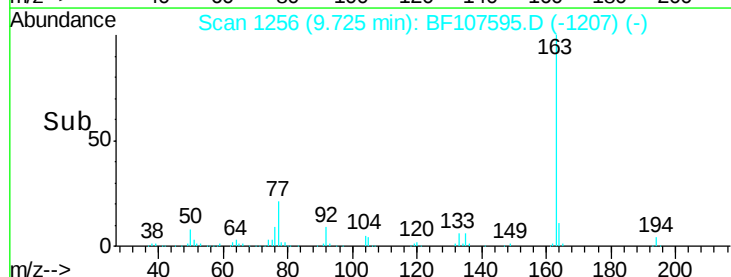
164 10.6 8.2 12.2

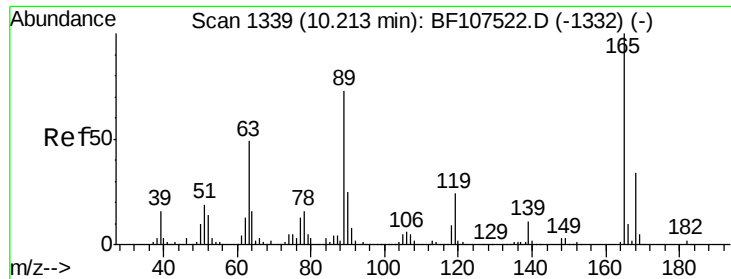


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

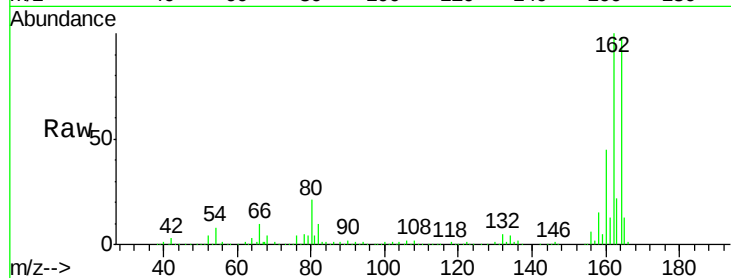




#56
2,4-Dinitrotoluene
Concen: 7.038 ng
RT: 10.02 min Scan# 1306
Delta R.T. -0.19 min
Lab File: BF107595.D
Acq: 23 Jul 2018 18:25

Instrument :
BNA_F
ClientSampleId :
TP-10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

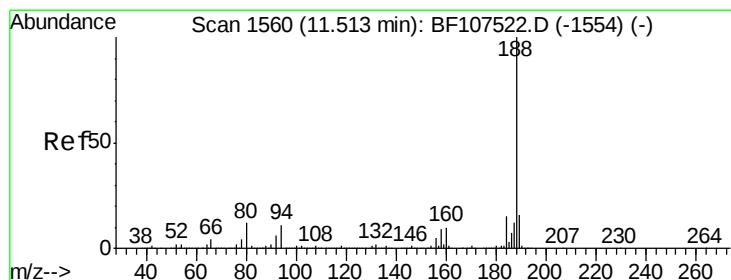
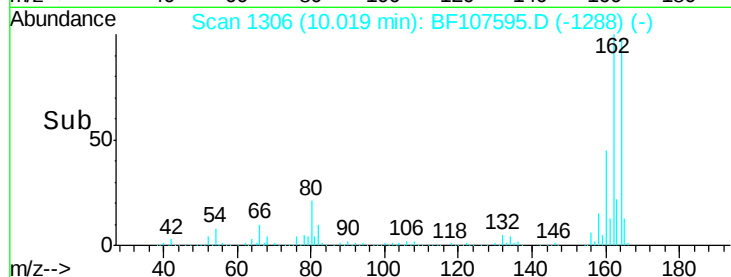
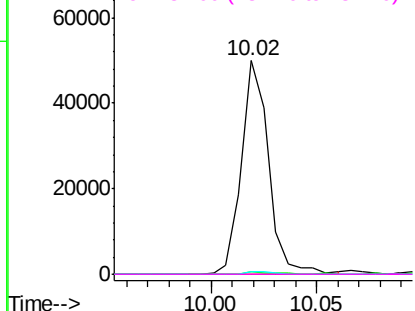


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

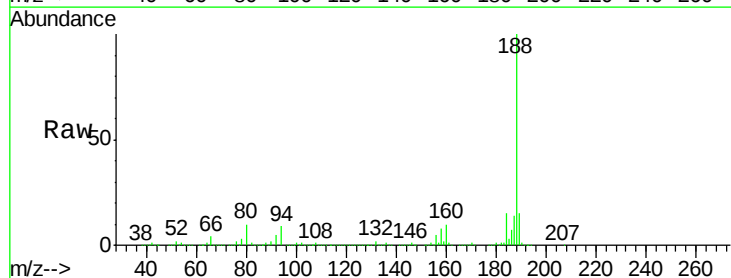
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.52 min Scan# 1561
Delta R.T. 0.01 min
Lab File: BF107595.D
Acq: 23 Jul 2018 18:25

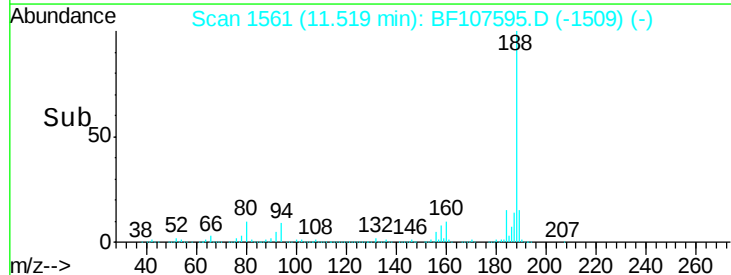
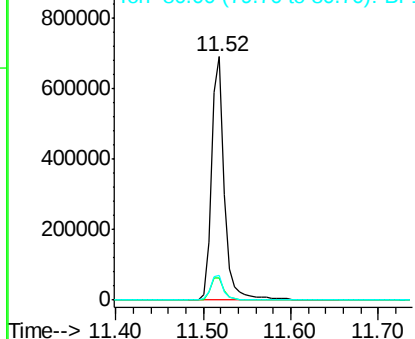
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.5	12.7
80	10.0	9.2	13.8

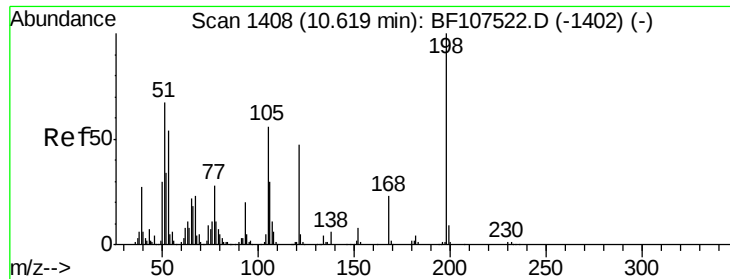


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 8.869 ng

RT: 10.81 min Scan# 1441

Delta R.T. 0.19 min

Lab File: BF107595.D

Acq: 23 Jul 2018 18:25

Instrument :

BNA_F

ClientSampled :

TP-10

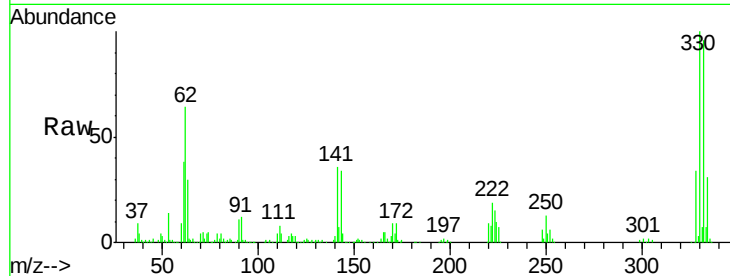
Tgt Ion:198 Resp: 785

Ion Ratio Lower Upper

198 100

51 185.2 37.7 77.7#

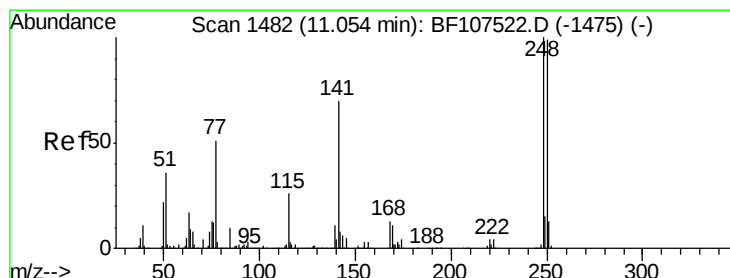
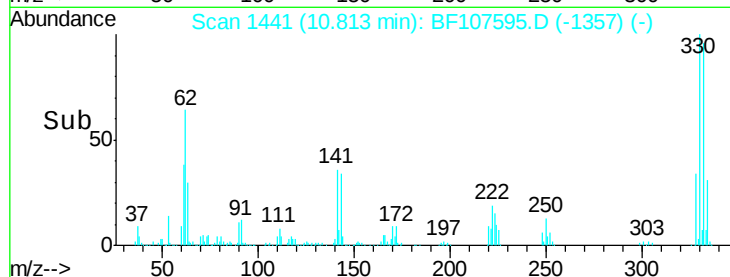
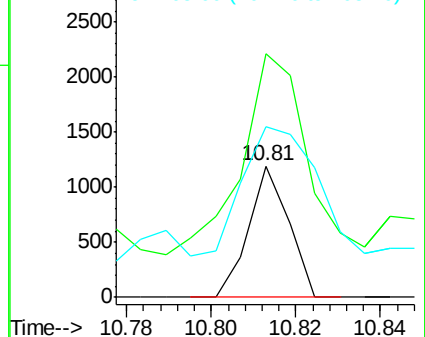
105 130.2 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.204 ng

RT: 10.82 min Scan# 1442

Delta R.T. -0.24 min

Lab File: BF107595.D

Acq: 23 Jul 2018 18:25

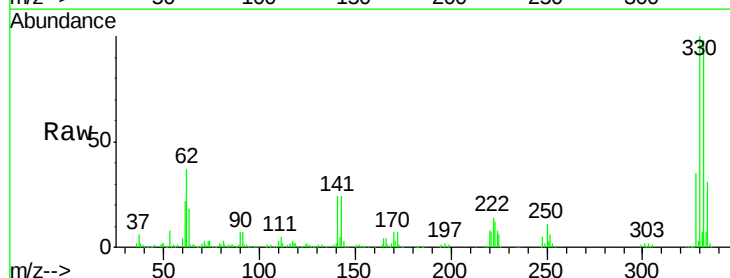
Tgt Ion:248 Resp: 26655

Ion Ratio Lower Upper

248 100

250 195.0 76.9 115.3#

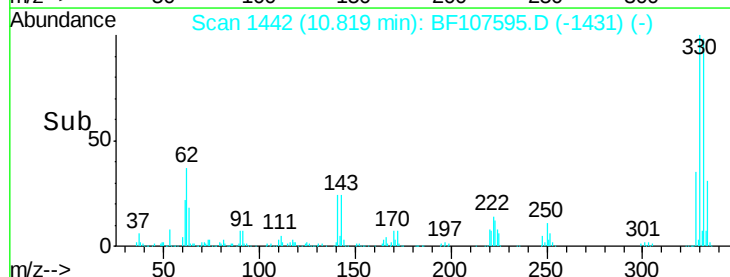
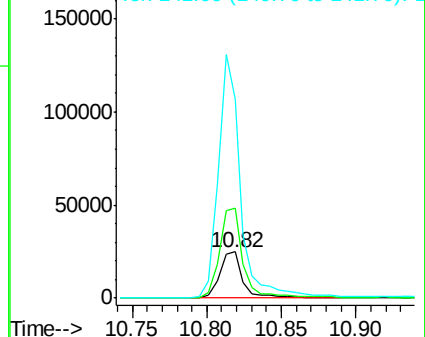
141 432.5 74.4 111.6#

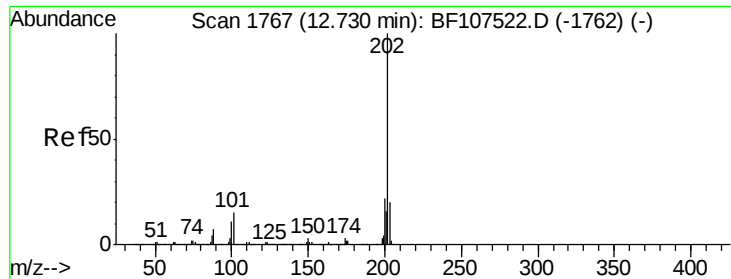


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 3.031 ng

RT: 12.74 min Scan# 1768

Delta R.T. 0.01 min

Lab File: BF107595.D

Acq: 23 Jul 2018 18:25

Instrument :

BNA_F

ClientSampleId :

TP-10

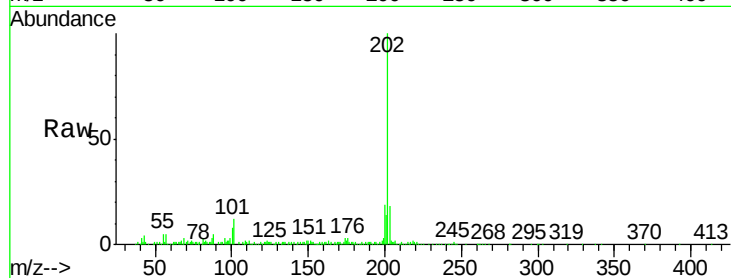
Tgt Ion:202 Resp: 112008

Ion Ratio Lower Upper

202 100

101 11.5 0.0 34.1

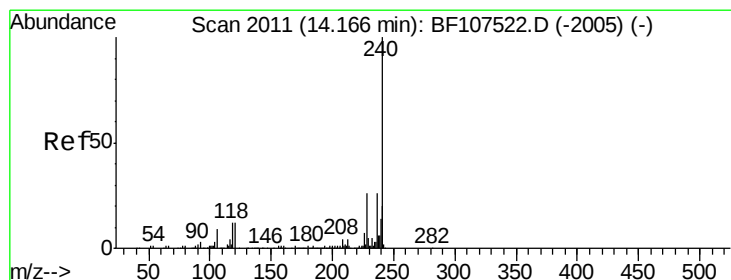
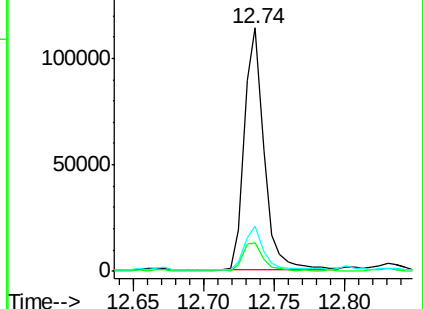
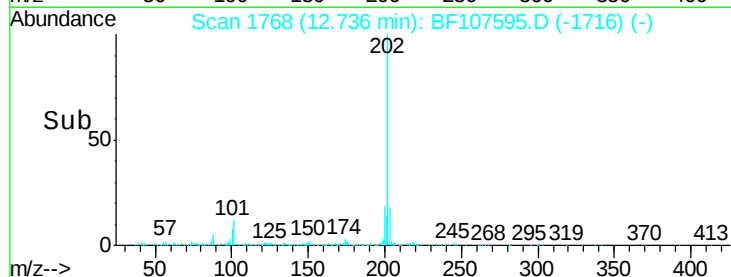
203 18.4 0.0 38.1



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: 14.18 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF107595.D

Acq: 23 Jul 2018 18:25

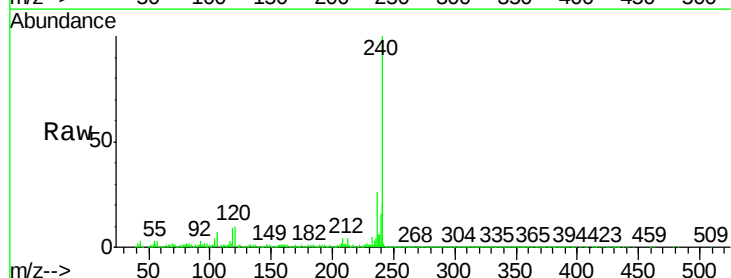
Tgt Ion:240 Resp: 549095

Ion Ratio Lower Upper

240 100

120 10.5 9.5 14.3

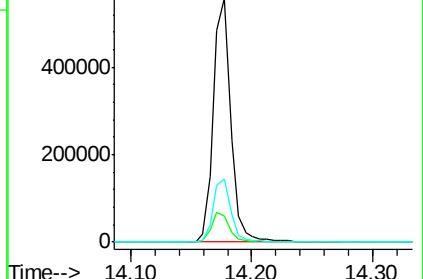
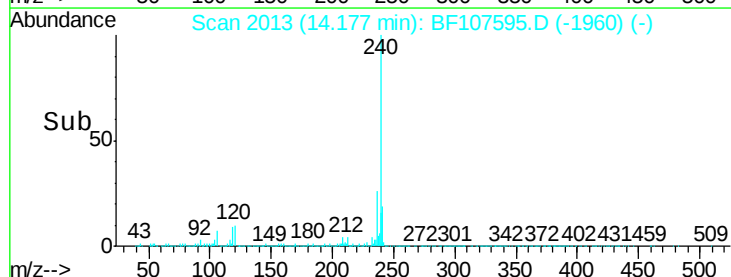
236 25.8 20.7 31.1

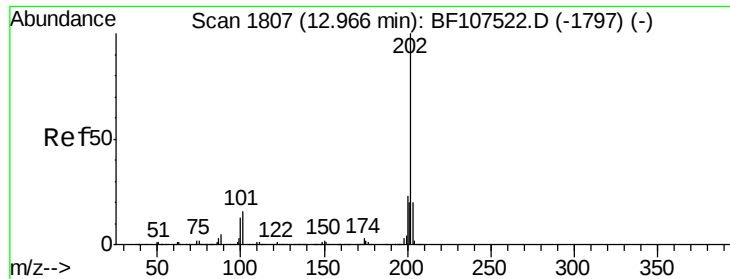


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

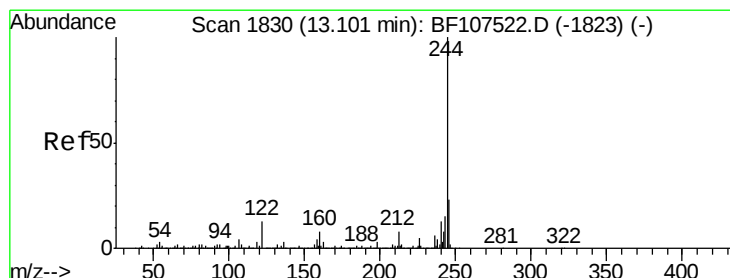
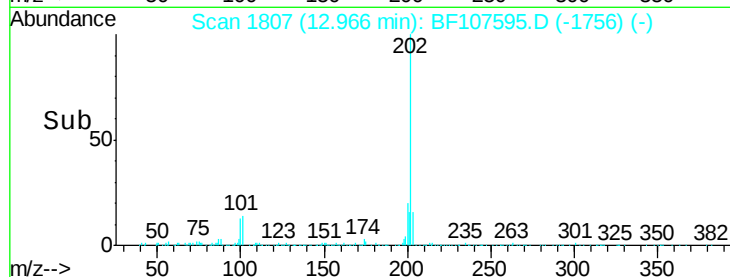
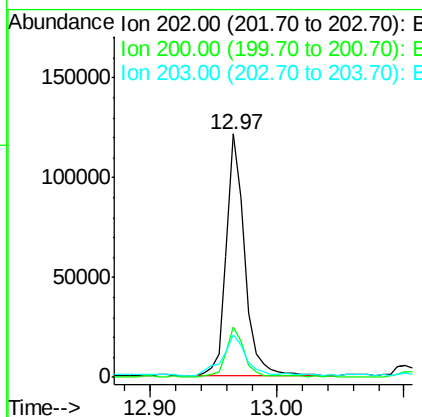
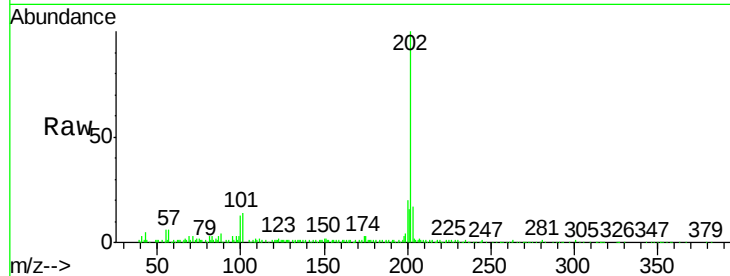




#77
 Pyrene
 Concen: 3.234 ng
 RT: 12.97 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: BF107595.D
 Acq: 23 Jul 2018 18:25

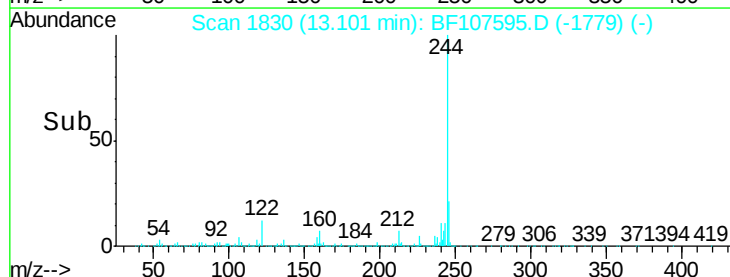
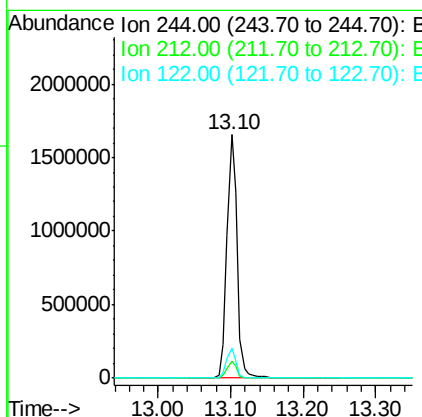
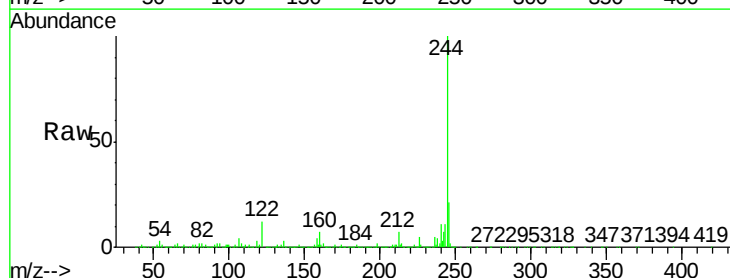
Instrument :
 BNA_F
 ClientSampleId :
 TP-10

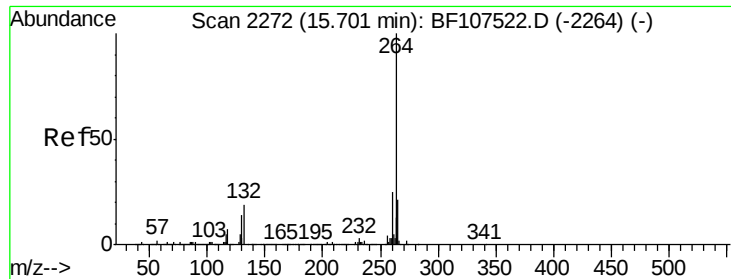
Tgt Ion: 202 Resp: 121467
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.4 26.2
 203 17.4 14.3 21.5



#78
 Terphenyl-d14
 Concen: 75.459 ng
 RT: 13.10 min Scan# 1830
 Delta R.T. 0.00 min
 Lab File: BF107595.D
 Acq: 23 Jul 2018 18:25

Tgt Ion: 244 Resp: 1618457
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 12.3 11.0 16.4



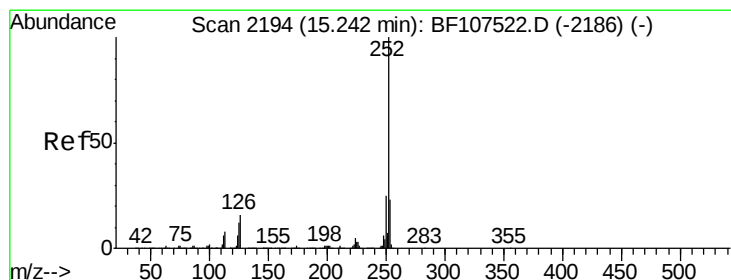
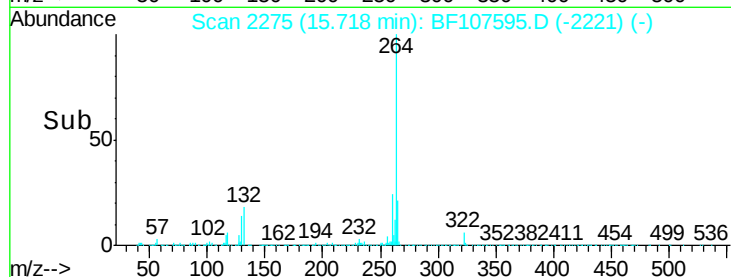
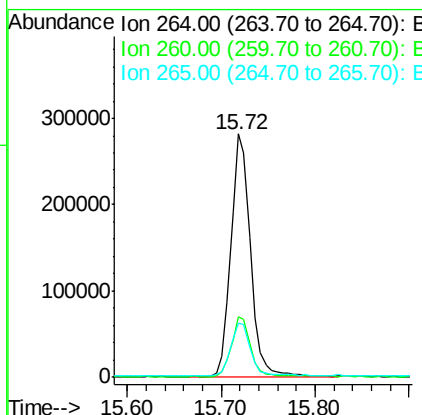
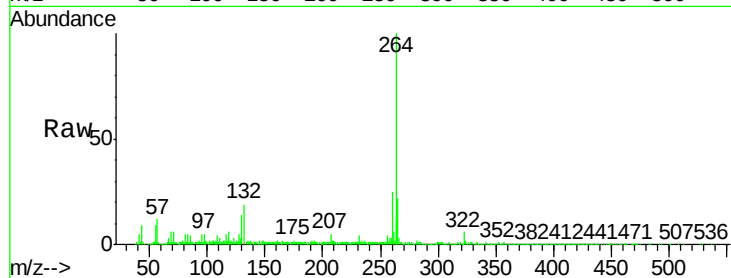


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.72 min Scan# 2275
Delta R.T. 0.02 min
Lab File: BF107595.D
Acq: 23 Jul 2018 18:25

Instrument :
BNA_F
ClientSampleId :
TP-10

Tgt Ion: 264 Resp: 405327

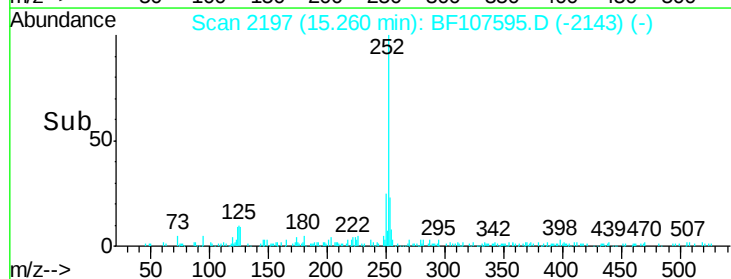
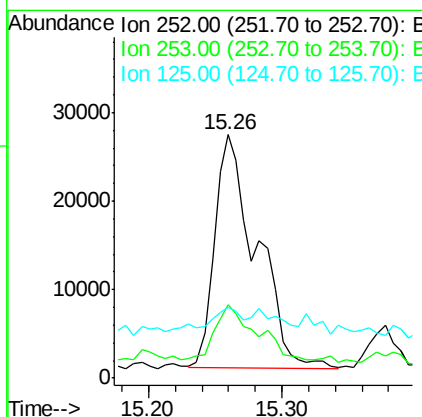
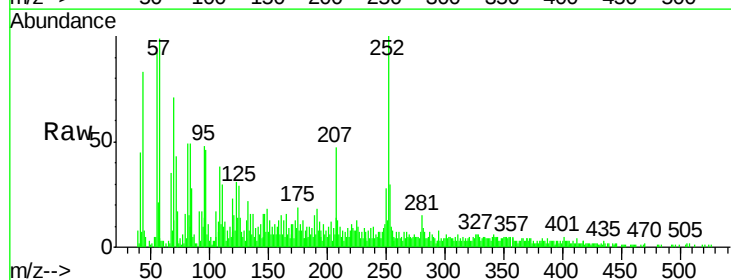
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.2	17.5	26.3

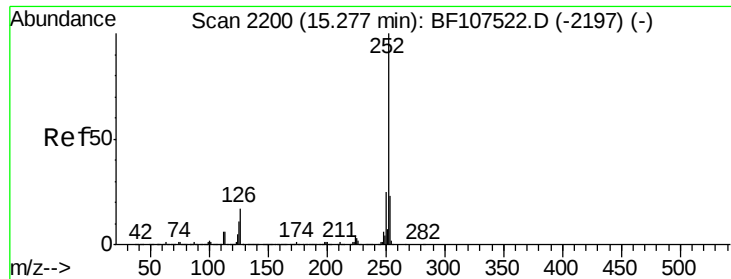


#87
Benzo(b)fluoranthene
Concen: 2.581 ng
RT: 15.26 min Scan# 2197
Delta R.T. 0.02 min
Lab File: BF107595.D
Acq: 23 Jul 2018 18:25

Tgt Ion: 252 Resp: 57245

Ion	Ratio	Lower	Upper
252	100		
253	30.2	17.0	25.6#
125	29.1	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 2.634 ng

RT: 15.26 min Scan# 2197

Delta R.T. -0.02 min

Lab File: BF107595.D

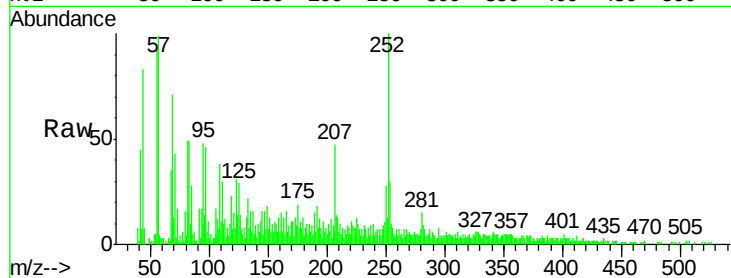
Acq: 23 Jul 2018 18:25

Instrument :

BNA_F

ClientSampleId :

TP-10



Tgt Ion:	252	Resp:	57245
Ion Ratio	Lower	Upper	
252	100		
253	30.2	17.9	26.9#
125	29.1	10.2	15.2#

