

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
 Data File : BF115698.D
 Acq On : 20 Jul 2019 3:23
 Operator : HP/JU
 Sample : K3887-08
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 20 05:14:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

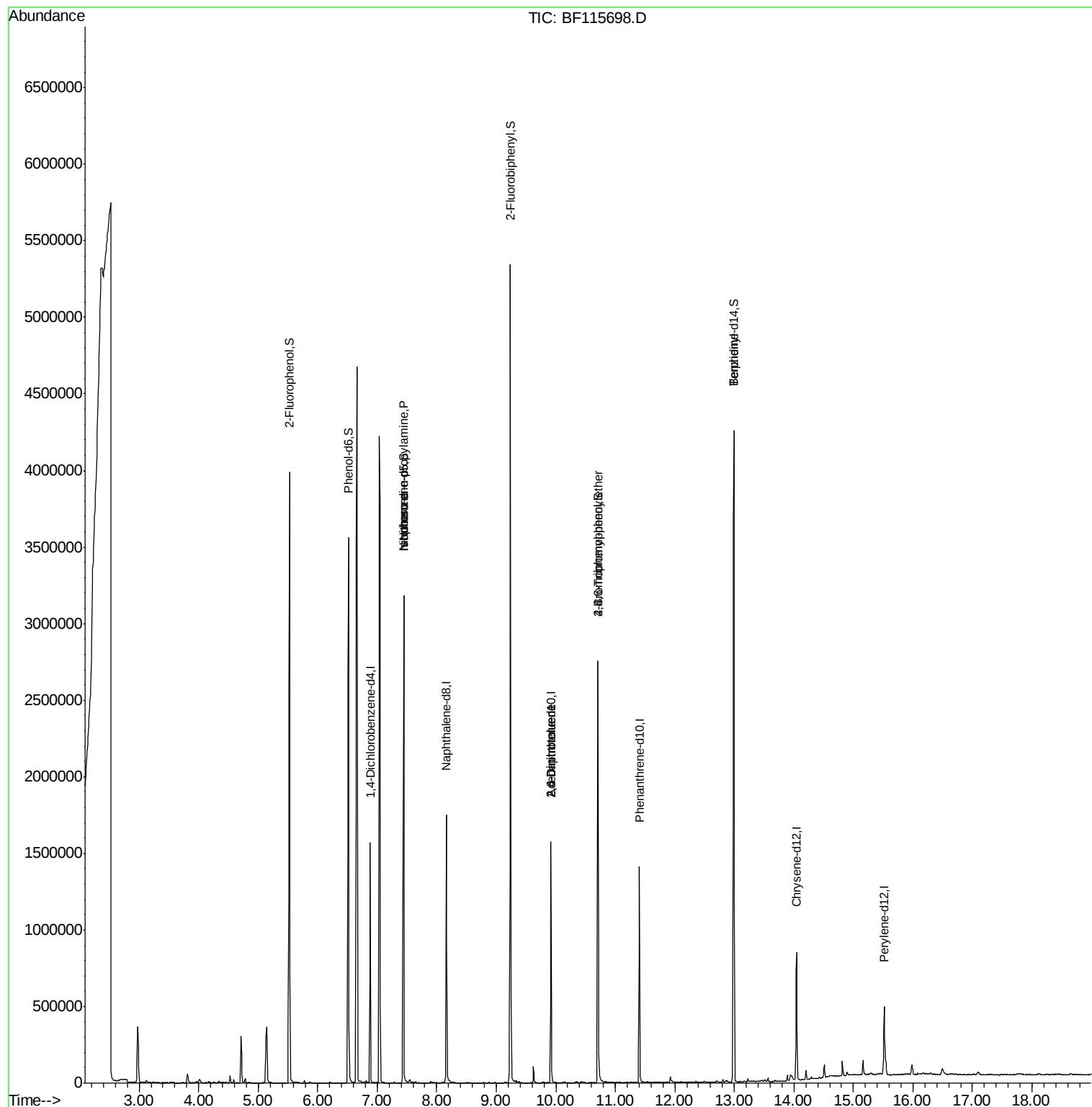
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	209249	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	771557	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	327406	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	482845	20.00	ng	0.00
76) Chrysene-d12	14.04	240	271623	20.00	ng	0.00
87) Perylene-d12	15.52	264	222377	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1341995	104.90	ng	0.02
7) Phenol-d6	6.52	99	1574680	97.01	ng	0.00
23) Nitrobenzene-d5	7.45	82	1188530	89.57	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	384791	100.69	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1902162	101.69	ng	-0.01
79) Terphenyl-d14	12.99	244	1473948	100.13	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	162678	15.367	ng	# 77
25) Isophorone	7.45	82	1172689	44.166	ng	# 64
51) 2,6-Dinitrotoluene	9.92	165	42367	7.568	ng	# 27
57) 2,4-Dinitrotoluene	9.92	165	42367	5.842	ng	# 24
67) 4-Bromophenyl-phenylether	10.71	248	23629	4.282	ng	# 1
77) Benzidine	12.99	184	19811	2.059	ng	97

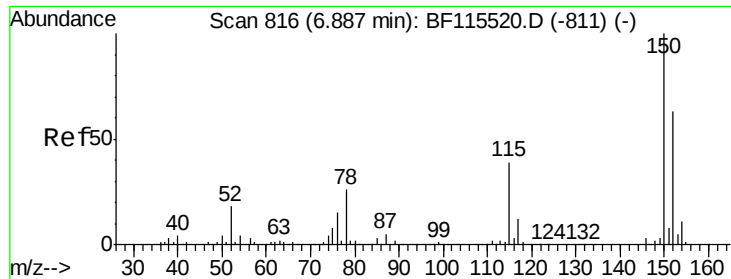
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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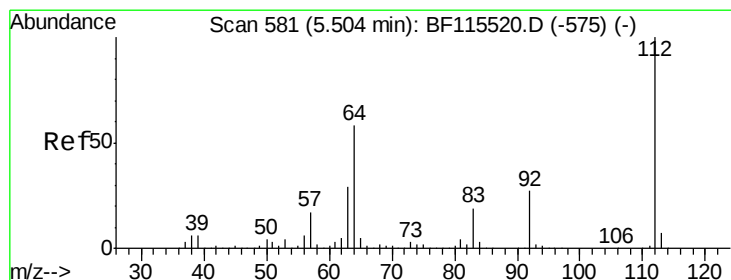
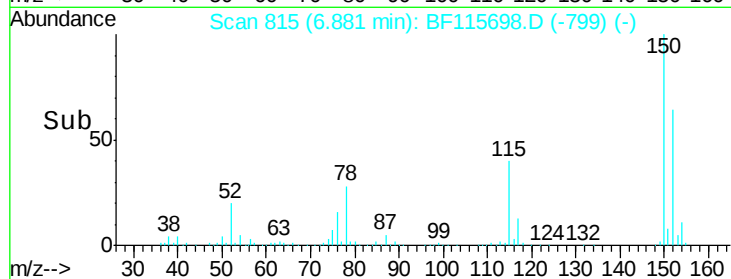
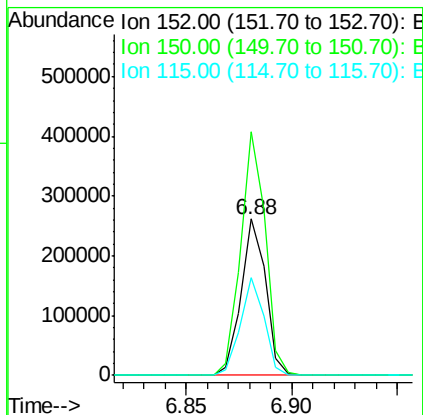
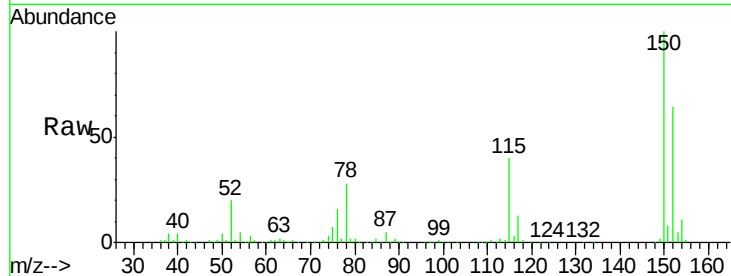


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115698.D
Acq: 20 Jul 2019 3:23

Instrument :
BNA_F
ClientSampled :

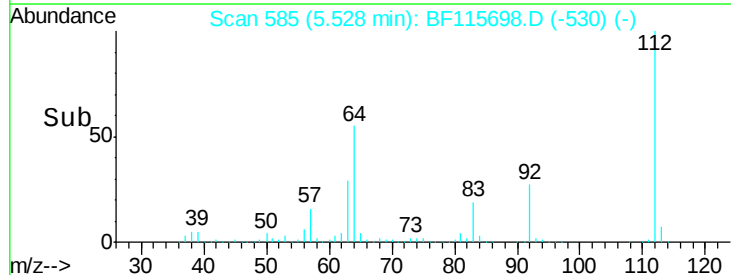
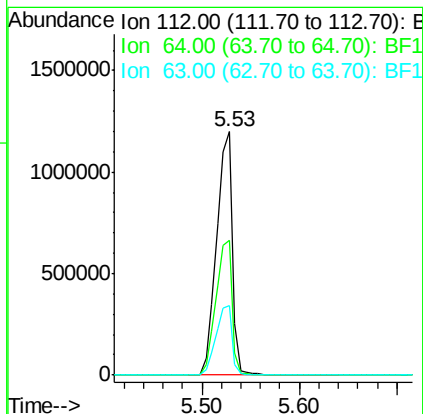
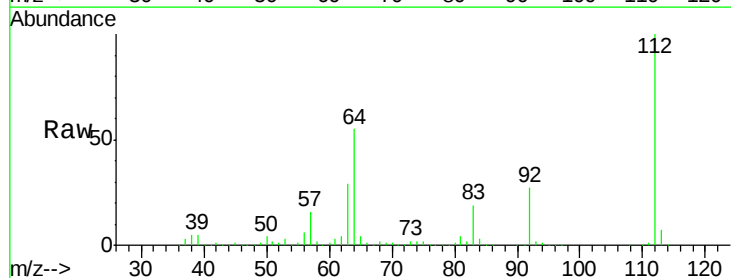
Tot Ion:152 Resp: 209249
Ion Ratio Lower Upper
152 100
150 156.1 129.7 194.5
115 62.7 48.2 72.4

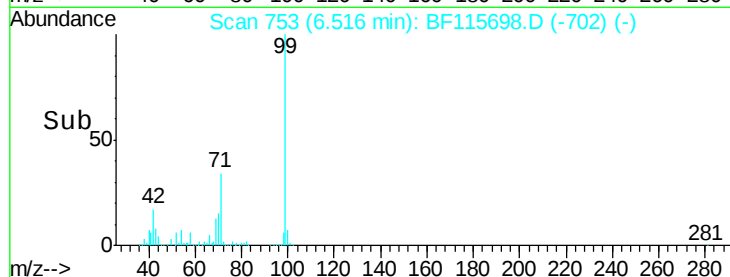
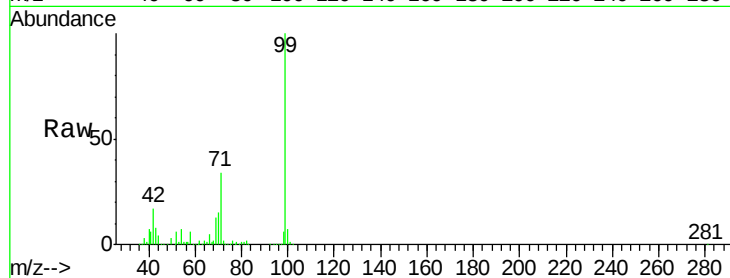
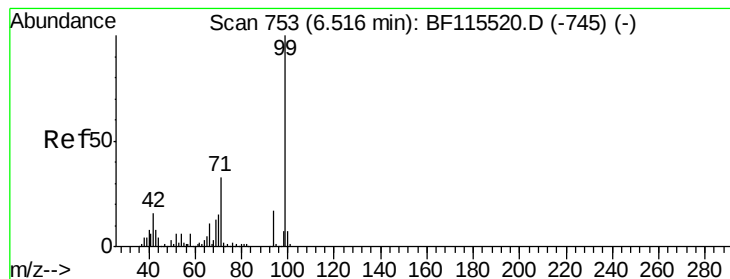


#5

2-Fluorophenol
Concen: 104.904 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.02 min
Lab File: BF115698.D
Acq: 20 Jul 2019 3:23

Tgt Ion:112 Resp: 1341995
Ion Ratio Lower Upper
112 100
64 55.3 46.8 70.2
63 28.7 24.1 36.1





#7

Phenol-d6

Concen: 97.009 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF115698.D

Acq: 20 Jul 2019 3:23

Instrument :

BNA_F

ClientSampleId :

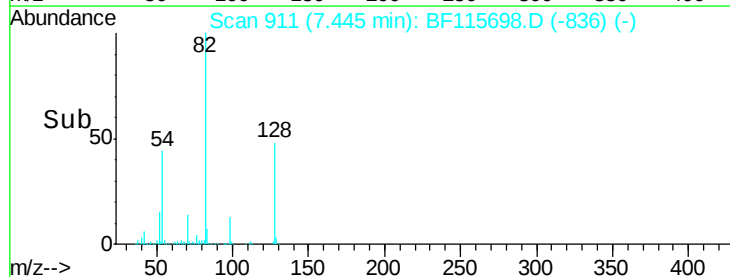
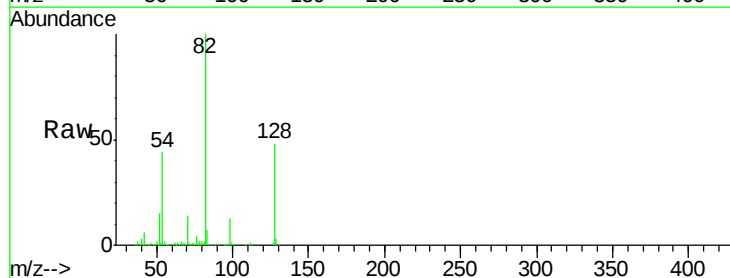
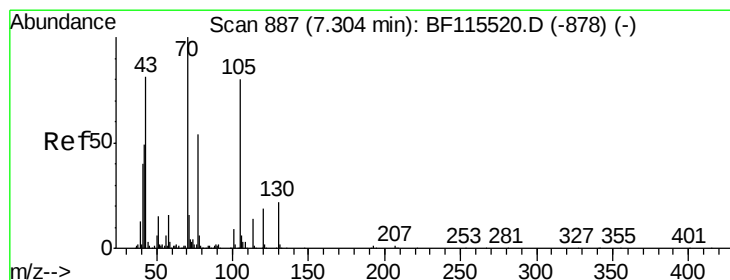
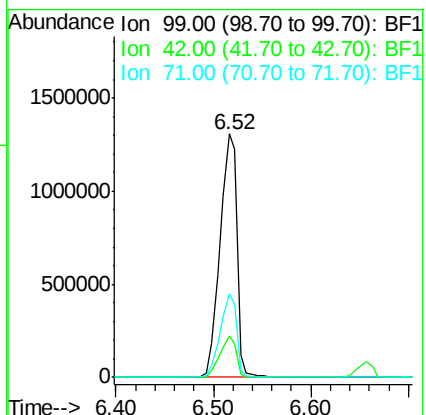
Tot Ion: 99 Resp: 1574680

Ion Ratio Lower Upper

99 100

42 16.8 13.6 20.4

71 34.4 28.5 42.7



#19

n-Nitroso-di-n-propylamine

Concen: 15.367 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF115698.D

Acq: 20 Jul 2019 3:23

Tgt Ion: 70 Resp: 162678

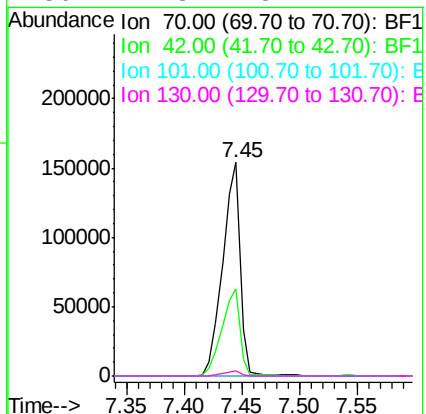
Ion Ratio Lower Upper

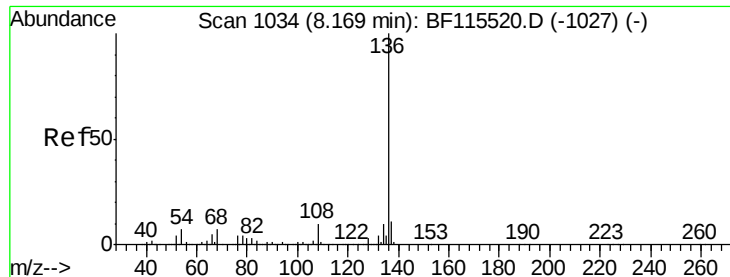
70 100

42 40.6 39.6 59.4

101 0.0 8.1 12.1#

130 2.3 18.2 27.2#

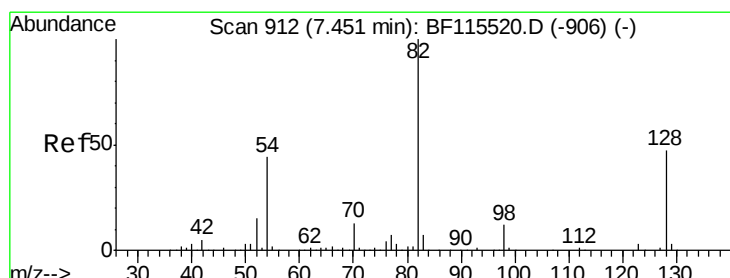
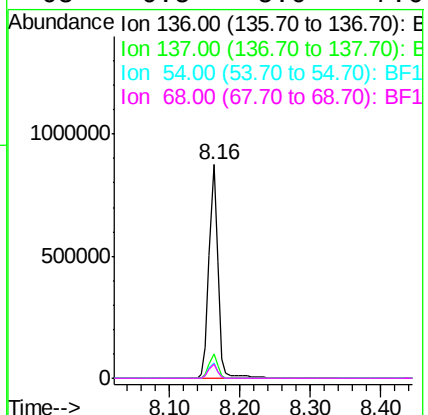
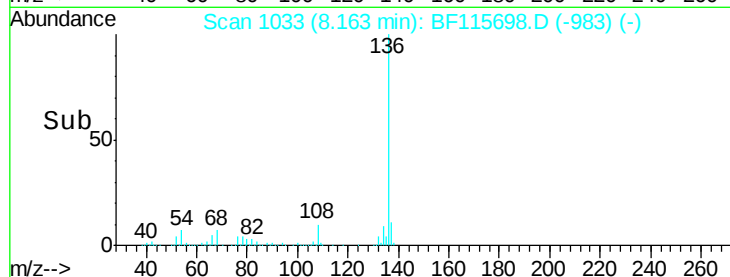
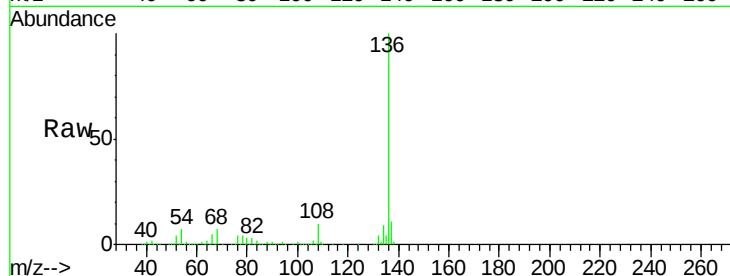




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF115698.D
Acq: 20 Jul 2019 3:23

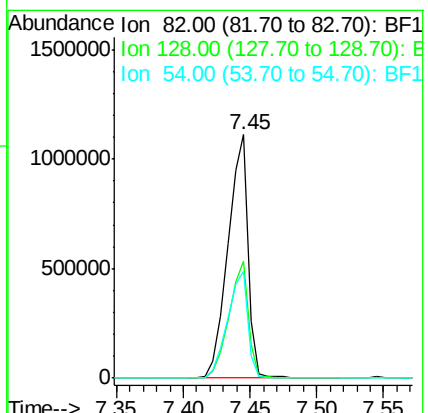
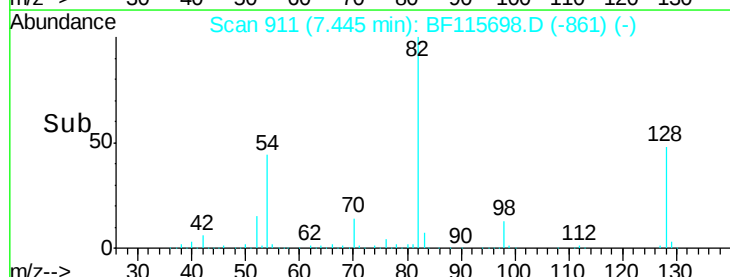
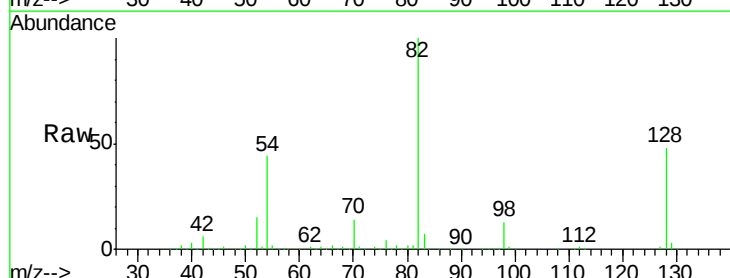
Instrument :
BNA_F
ClientSampled :

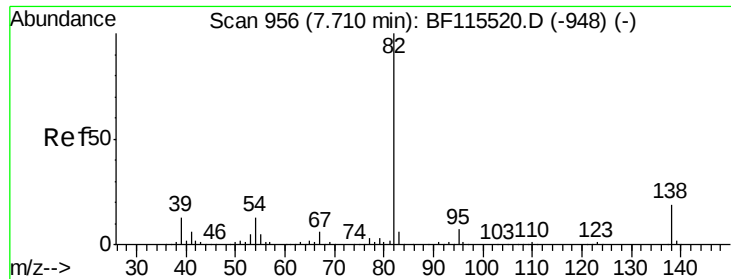
Tot Ion:136	Resp:	771557
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.0 13.4
54	7.0	5.6 8.4
68	6.5	5.0 7.6



#23
Nitrobenzene-d5
Concen: 89.571 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF115698.D
Acq: 20 Jul 2019 3:23

Tgt Ion: 82	Resp:	1188530
Ion Ratio	Lower	Upper
82	100	
128	47.9	38.6 57.8
54	43.9	35.6 53.4





#25

Isophorone

Concen: 44.166 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF115698.D

Acq: 20 Jul 2019 3:23

Instrument :

BNA_F

ClientSampled :

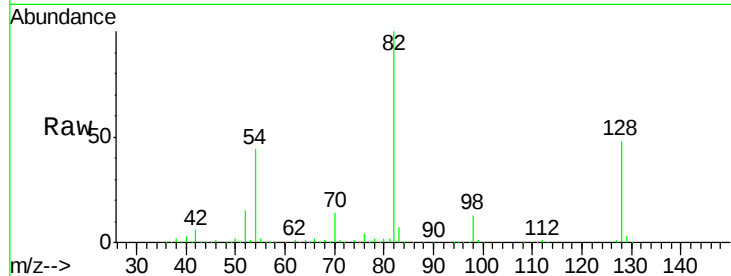
Tot Ion: 82 Resp: 1172689

Ion Ratio Lower Upper

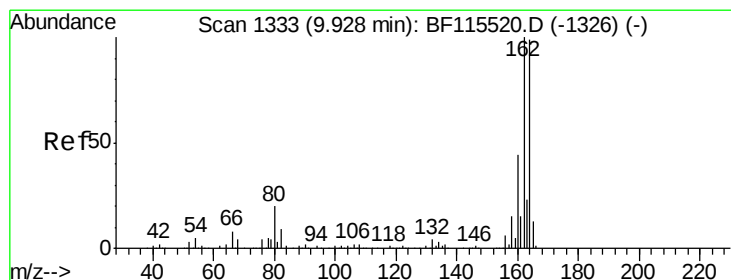
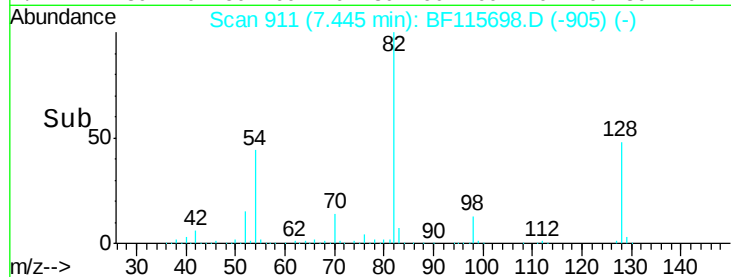
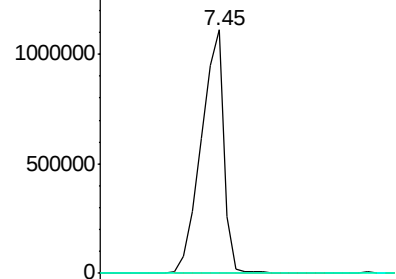
82 100

95 0.0 5.5 8.3#

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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF115698.D

Acq: 20 Jul 2019 3:23

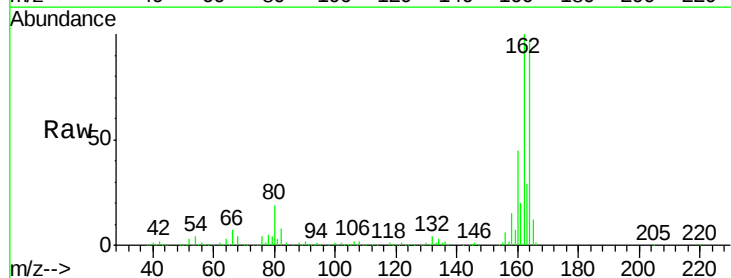
Tgt Ion: 164 Resp: 327406

Ion Ratio Lower Upper

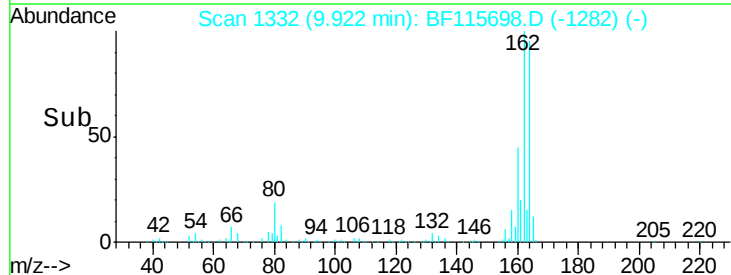
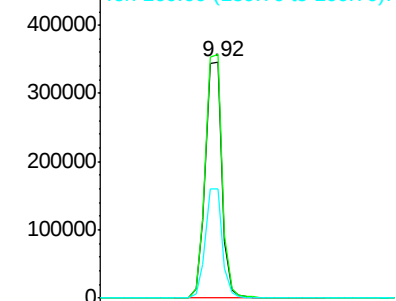
164 100

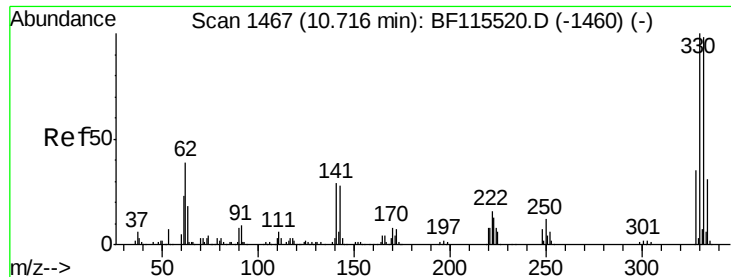
162 103.2 82.9 124.3

160 46.5 36.8 55.2



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

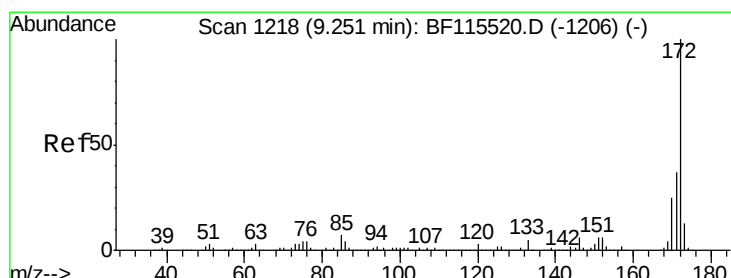
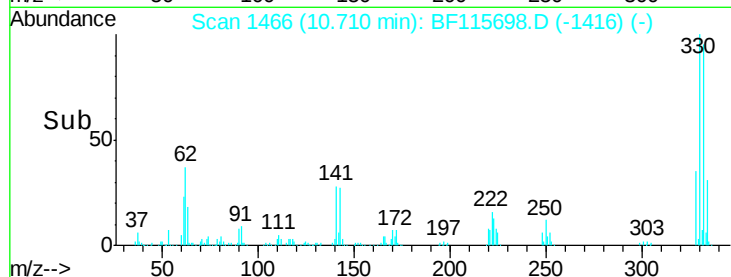
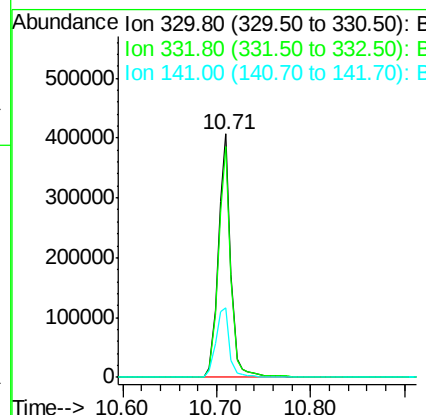
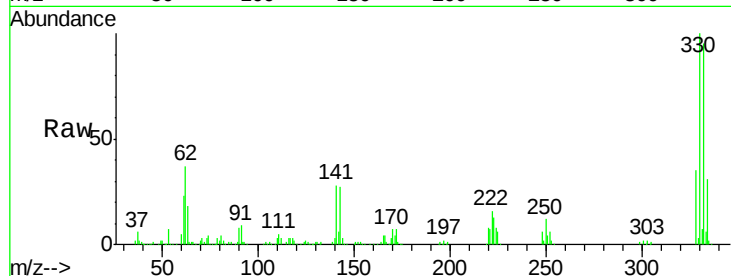




#42
 2,4,6-Tribromophenol
 Concen: 100.688 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF115698.D
 Acq: 20 Jul 2019 3:23

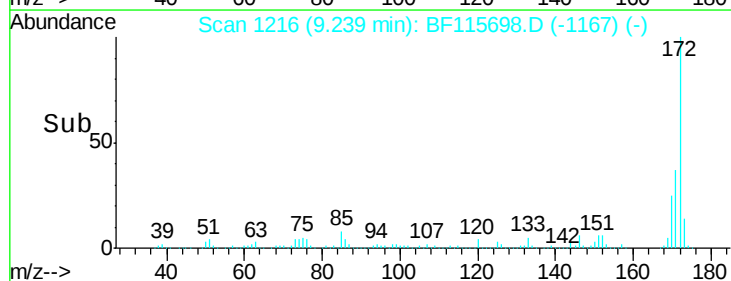
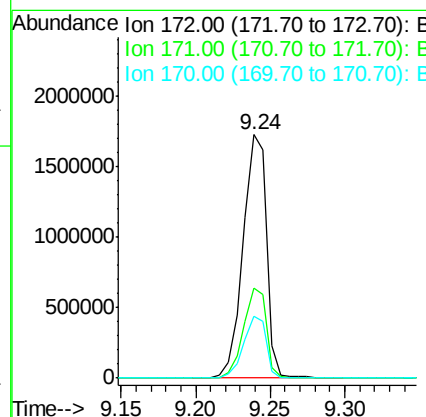
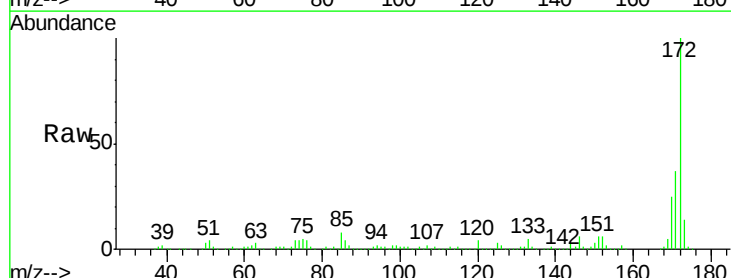
Instrument :
 BNA_F
 ClientSampled :

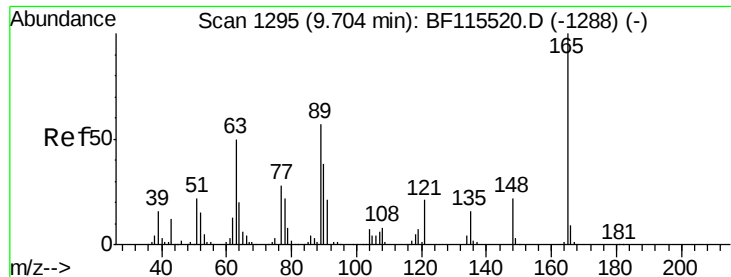
Tot Ion:330 Resp: 384791
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.4 116.2
 141 32.0 22.4 33.6



#45
 2-Fluorobiphenyl
 Concen: 101.688 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF115698.D
 Acq: 20 Jul 2019 3:23

Tgt Ion:172 Resp: 1902162
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.6 46.0
 170 25.4 20.5 30.7





#51

2,6-Dinitrotoluene

Concen: 7.568 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF115698.D

Acq: 20 Jul 2019 3:23

Instrument :

BNA_F

ClientSampleId :

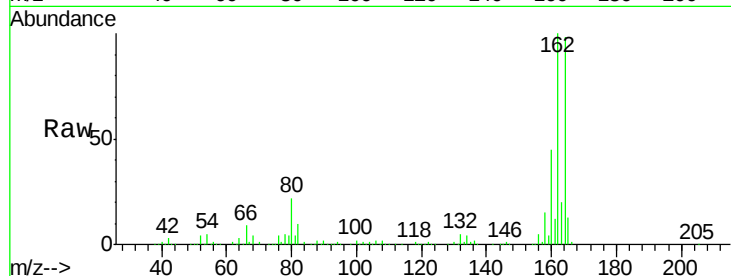
Tot Ion:165 Resp: 42367

Ion Ratio Lower Upper

165 100

63 1.2 40.6 61.0#

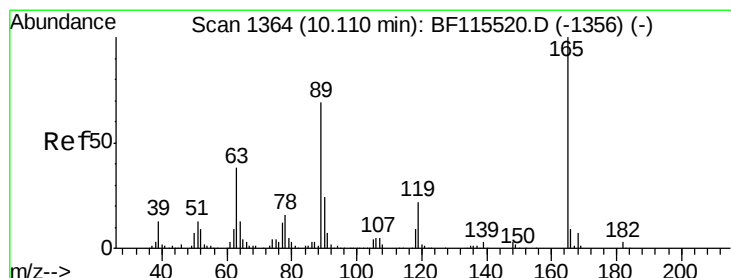
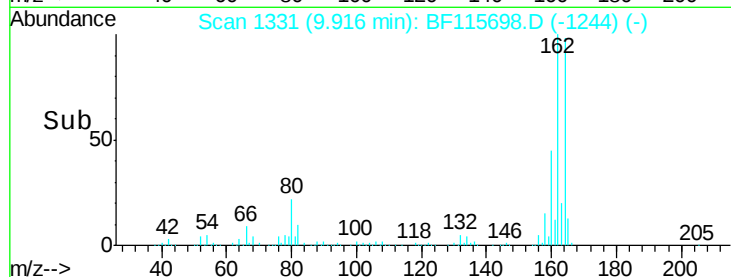
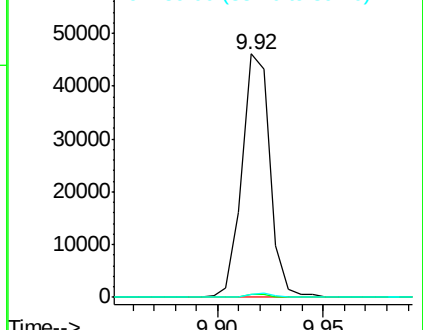
89 1.3 43.9 65.9#



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



#57

2,4-Dinitrotoluene

Concen: 5.842 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF115698.D

Acq: 20 Jul 2019 3:23

Tgt Ion:165 Resp: 42367

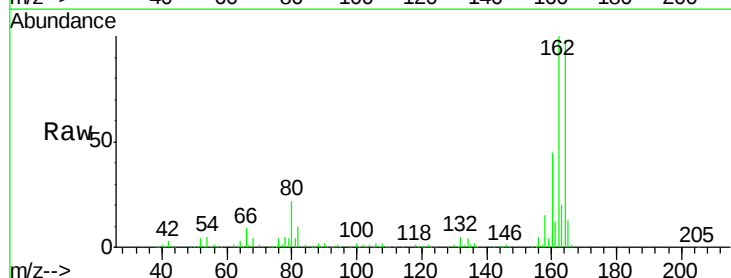
Ion Ratio Lower Upper

165 100

63 1.2 34.9 52.3#

89 1.3 57.5 86.3#

182 0.0 2.2 3.4#

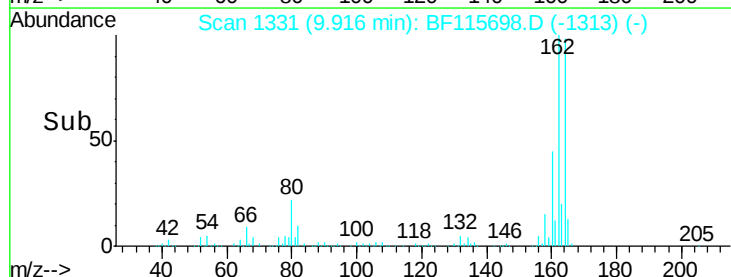
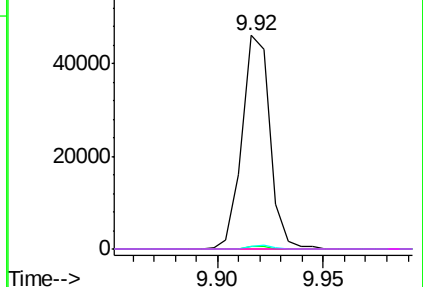


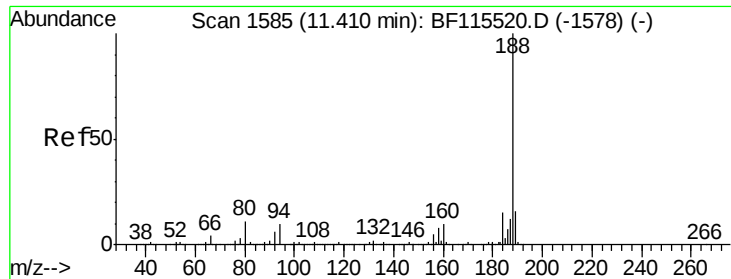
Abundance Ion 165.00 (164.70 to 165.70): E

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

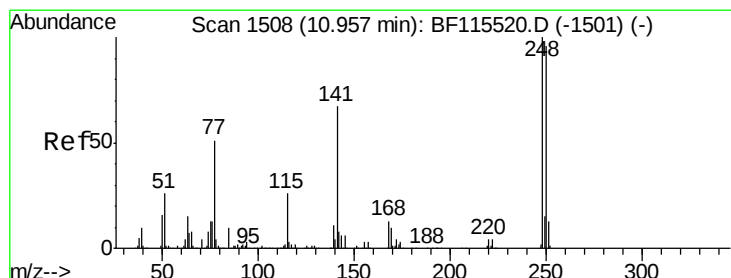
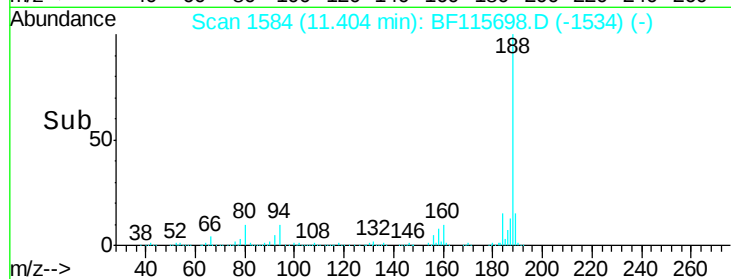
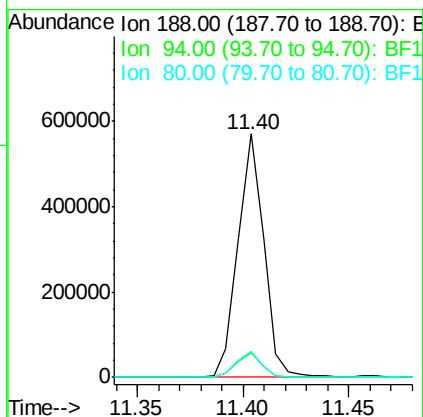
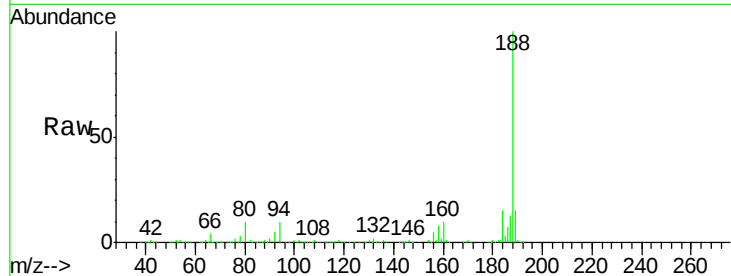




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF115698.D
 Acq: 20 Jul 2019 3:23

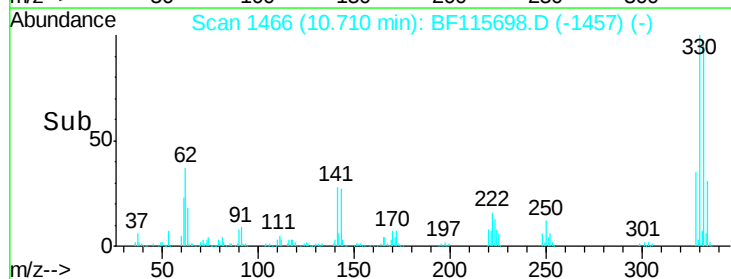
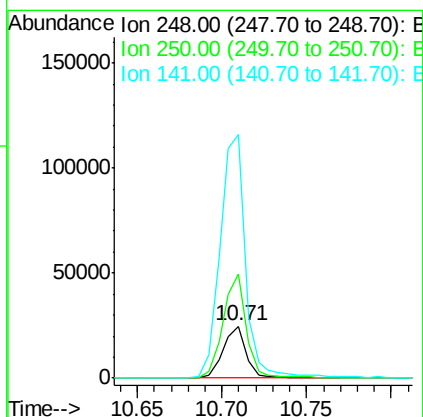
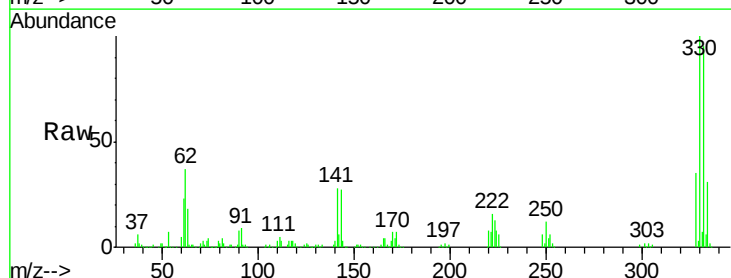
Instrument :
 BNA_F
 ClientSampleId :

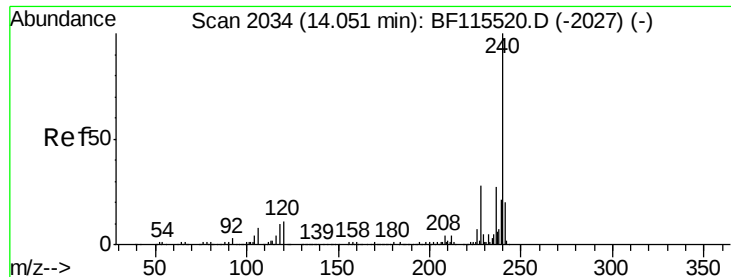
Tot Ion:188 Resp: 482845
 Ion Ratio Lower Upper
 188 100
 94 10.3 7.8 11.6
 80 10.4 8.6 13.0



#67
 4-Bromophenyl-phenylether
 Concen: 4.282 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.25 min
 Lab File: BF115698.D
 Acq: 20 Jul 2019 3:23

Tgt Ion:248 Resp: 23629
 Ion Ratio Lower Upper
 248 100
 250 200.9 78.0 117.0#
 141 468.9 57.7 86.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF115698.D

Acq: 20 Jul 2019 3:23

Instrument :

BNA_F

ClientSampleId :

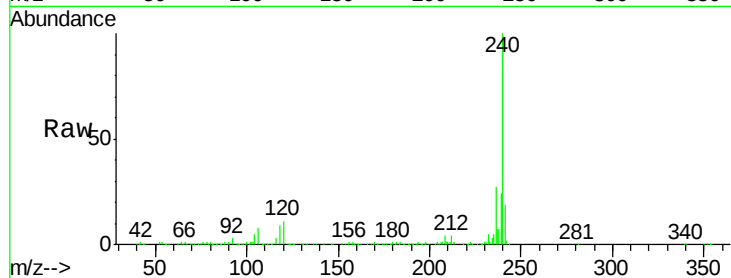
Tot Ion:240 Resp: 271623

Ion Ratio Lower Upper

240 100

120 10.5 8.6 13.0

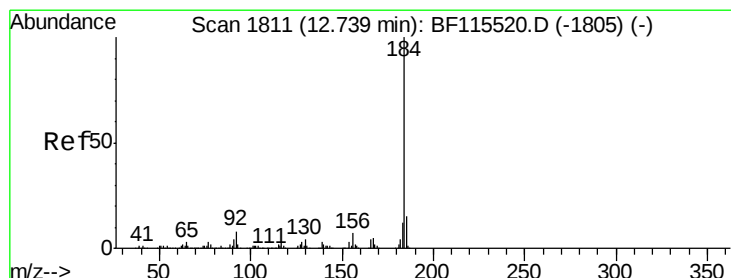
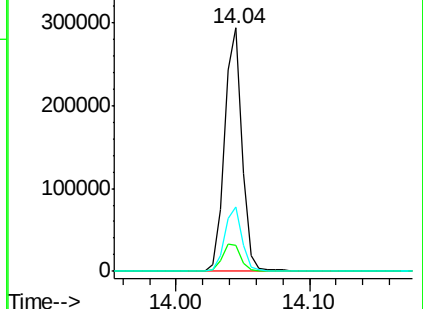
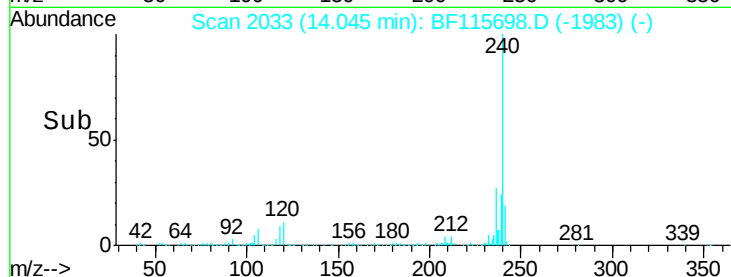
236 26.6 21.3 31.9



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

Benzidine

Concen: 2.059 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.25 min

Lab File: BF115698.D

Acq: 20 Jul 2019 3:23

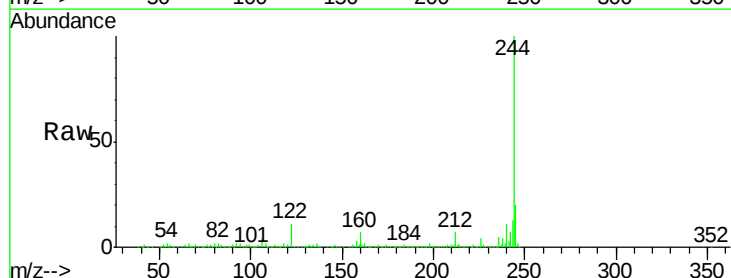
Tgt Ion:184 Resp: 19811

Ion Ratio Lower Upper

184 100

185 15.7 12.0 18.0

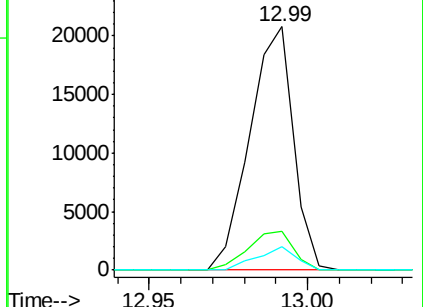
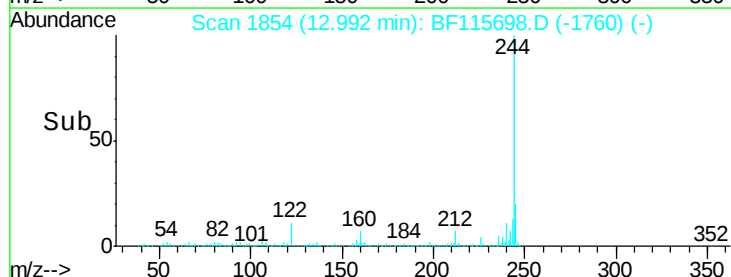
183 9.7 9.3 13.9

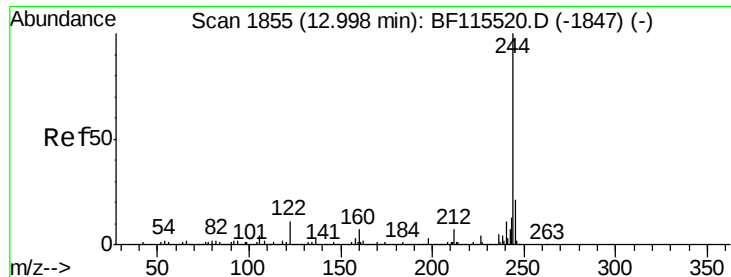


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 100.127 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF115698.D

Acq: 20 Jul 2019 3:23

Instrument :

BNA_F

ClientSampleId :

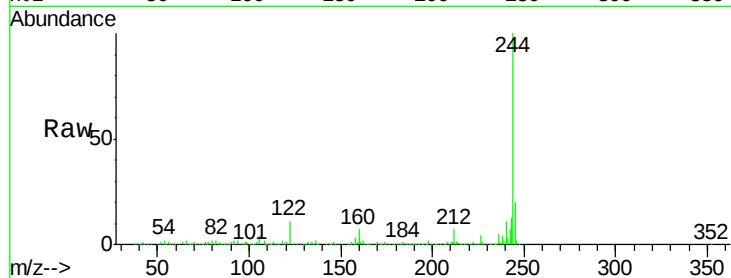
Tot Ion:244 Resp: 1473948

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

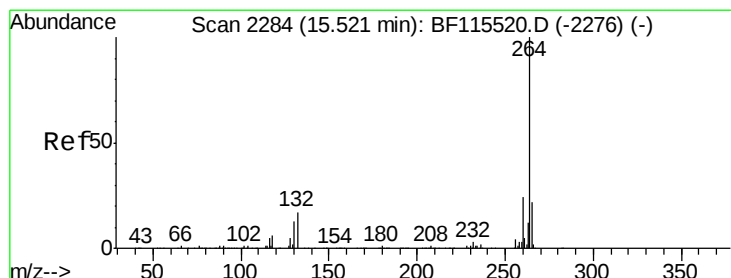
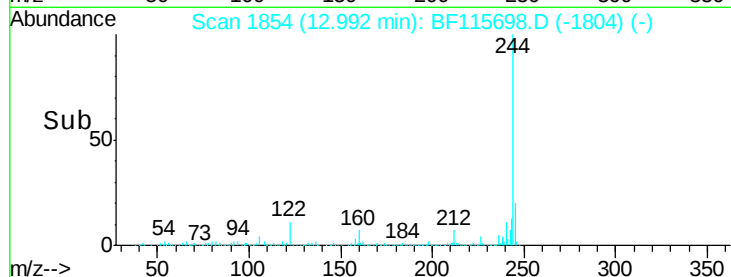
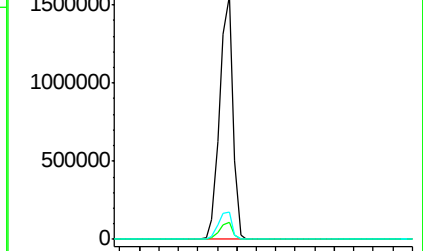
122 11.1 8.6 12.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2283

Delta R.T. -0.01 min

Lab File: BF115698.D

Acq: 20 Jul 2019 3:23

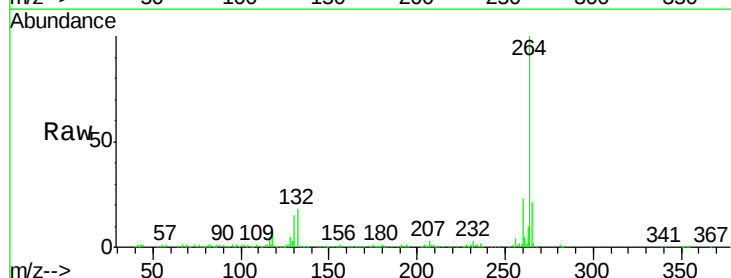
Tgt Ion:264 Resp: 222377

Ion Ratio Lower Upper

264 100

260 22.6 19.8 29.8

265 20.7 17.7 26.5



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

