

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040419\
 Data File : BF113589.D
 Acq On : 4 Apr 2019 18:10
 Operator : JU/SJ
 Sample : K2221-04
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 05 01:31:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

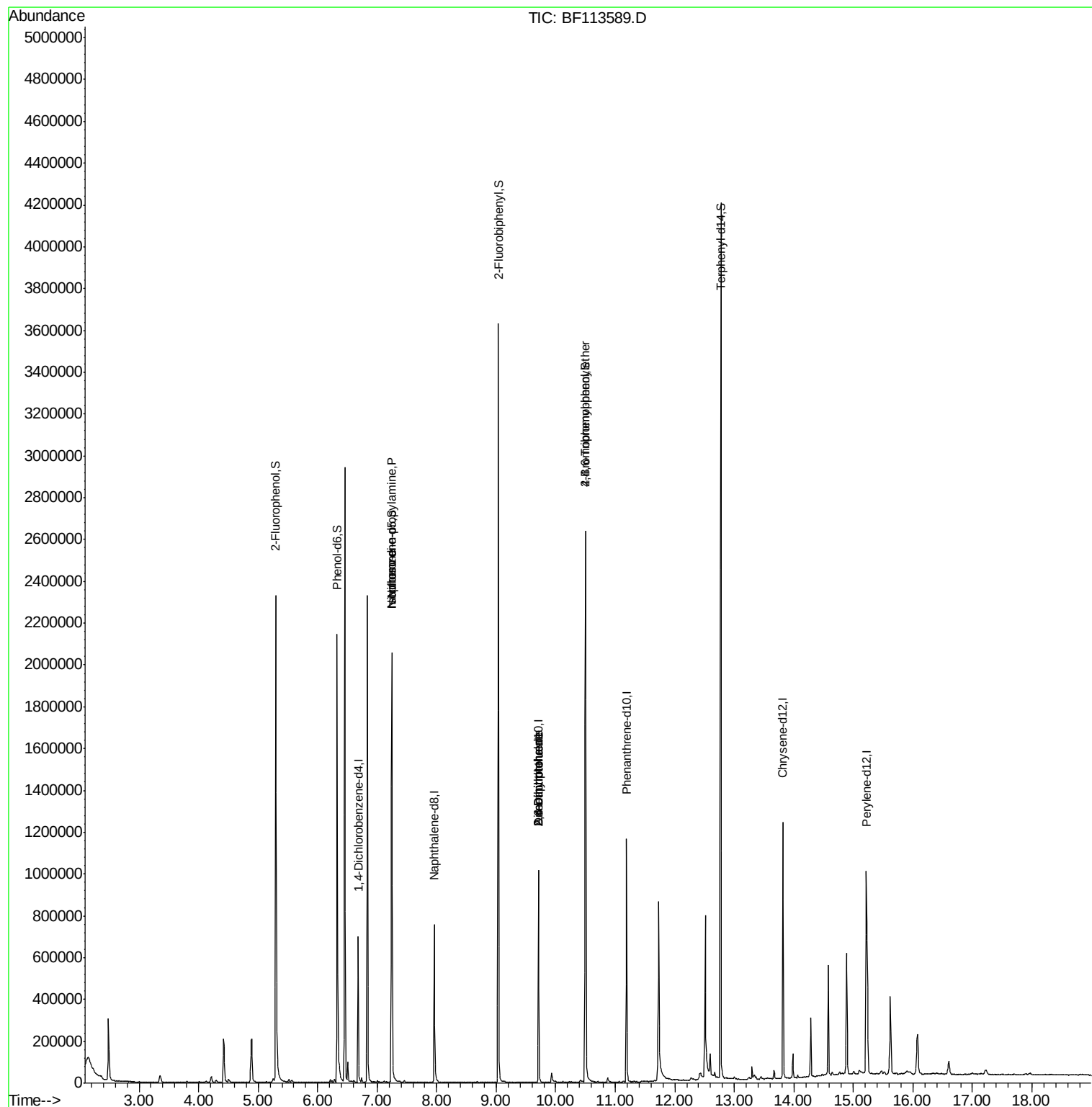
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	109203	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	405977	20.00	ng	0.00
39) Acenaphthene-d10	9.71	164	201163	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	441045	20.00	ng	-0.02
76) Chrysene-d12	13.82	240	434763	20.00	ng	-0.03
87) Perylene-d12	15.22	264	406259	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	759542	118.60	ng	0.00
7) Phenol-d6	6.33	99	870295	110.26	ng	-0.01
23) Nitrobenzene-d5	7.25	82	679506	98.04	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	391070	161.84	ng	-0.02
45) 2-Fluorobiphenyl	9.04	172	1269857	101.63	ng	-0.01
79) Terphenyl-d14	12.77	244	1696907	79.47	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.25	70	87711	18.021	ng	# 76
25) Isophorone	7.25	82	674131	50.491	ng	# 64
50) Dimethylphthalate	9.71	163	52318	3.528	ng	# 1
51) 2,6-Dinitrotoluene	9.71	165	25427	7.779	ng	# 26
57) 2,4-Dinitrotoluene	9.71	165	25427	6.432	ng	# 23
67) 4-Bromophenyl-phenylether	10.50	248	21905	4.428	ng	# 1

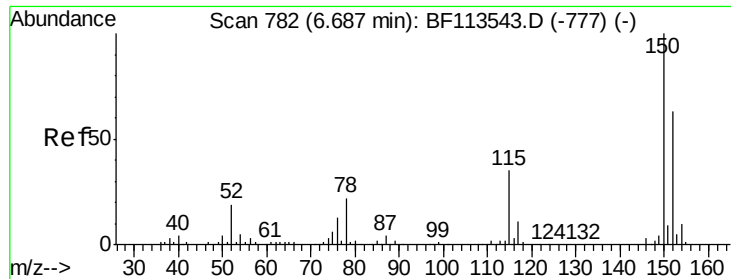
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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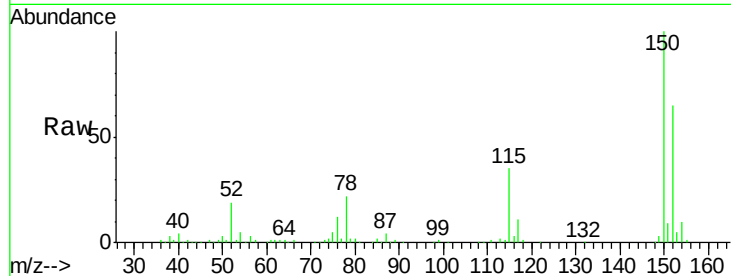


#1

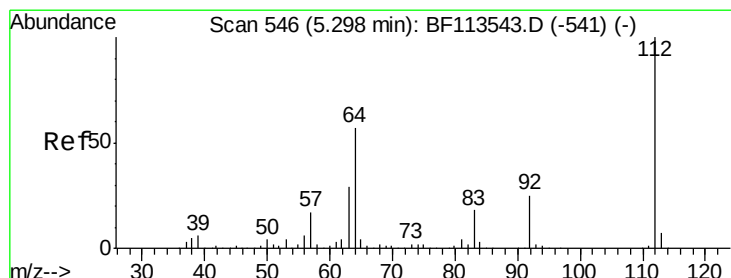
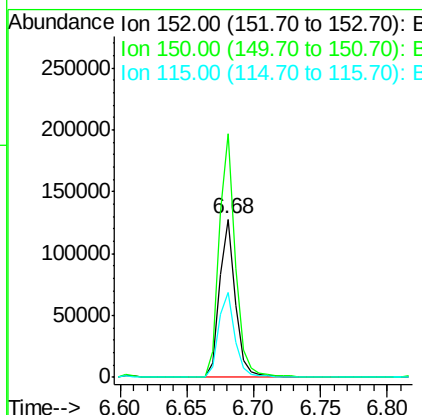
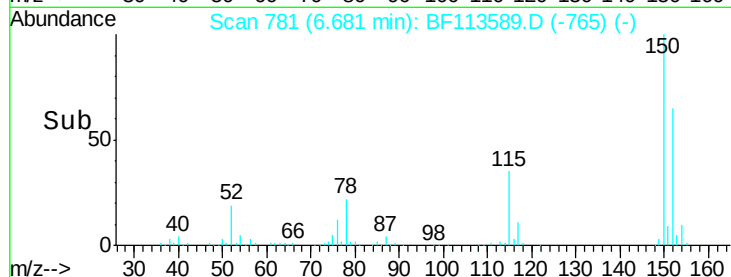
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.01 min
Lab File: BF113589.D
Acq: 4 Apr 2019 18:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 109203
Ion Ratio Lower Upper
152 100
150 154.3 124.7 187.1
115 53.6 46.0 69.0



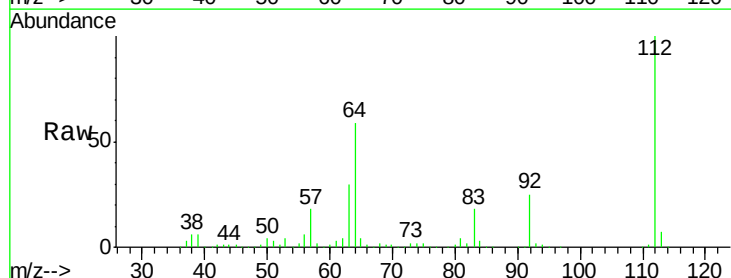
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



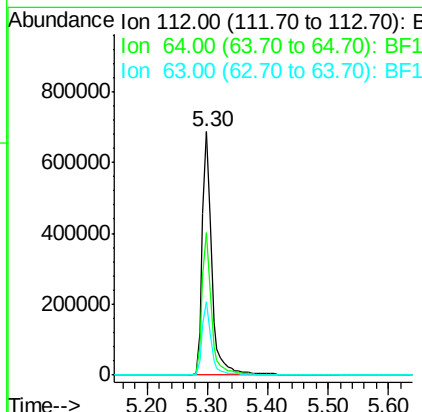
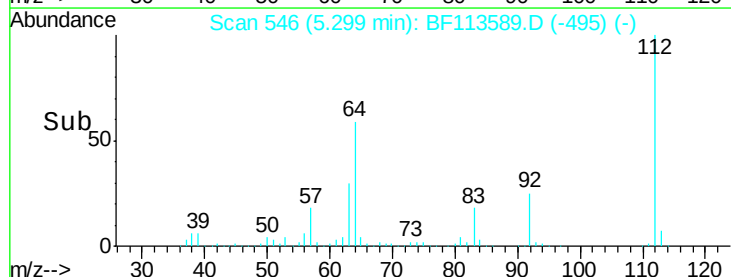
#5

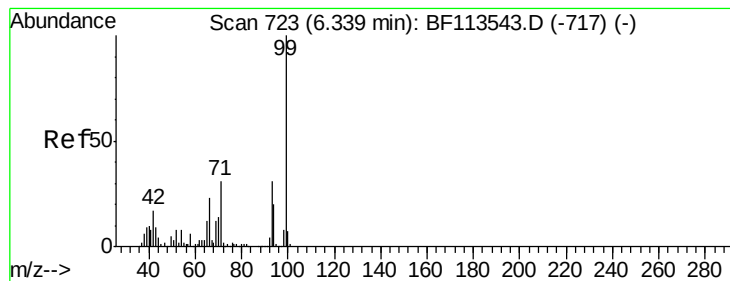
2-Fluorophenol
Concen: 118.604 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF113589.D
Acq: 4 Apr 2019 18:10

Tgt Ion:112 Resp: 759542
Ion Ratio Lower Upper
112 100
64 58.7 49.2 73.8
63 30.0 24.9 37.3



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: 110.262 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113589.D

Acq: 4 Apr 2019 18:10

Instrument :

BNA_F

ClientSampled :

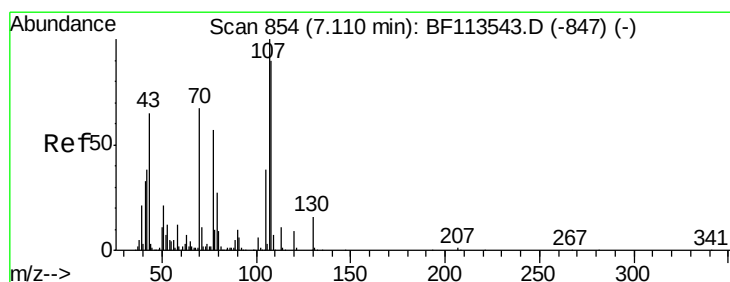
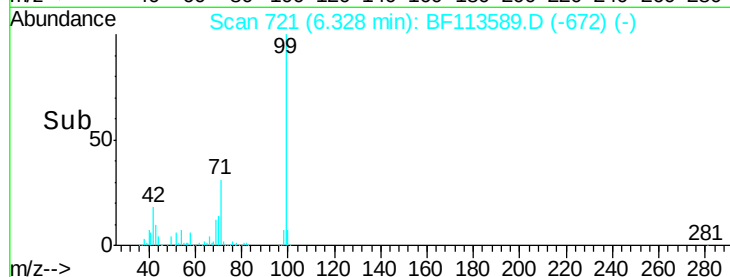
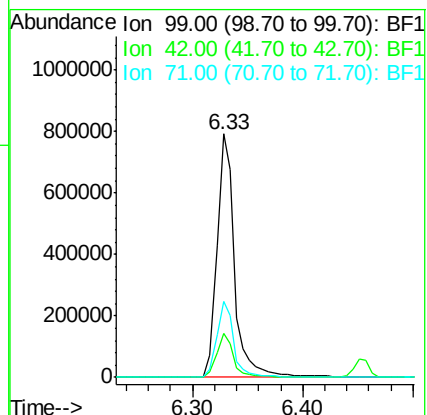
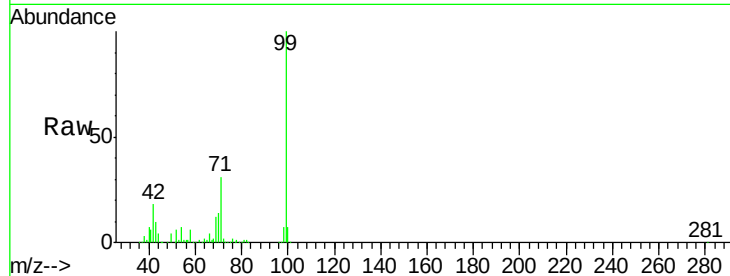
Tot Ion: 99 Resp: 870295

Ion Ratio Lower Upper

99 100

42 18.2 14.8 22.2

71 31.2 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 18.021 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.14 min

Lab File: BF113589.D

Acq: 4 Apr 2019 18:10

Tgt Ion: 70 Resp: 87711

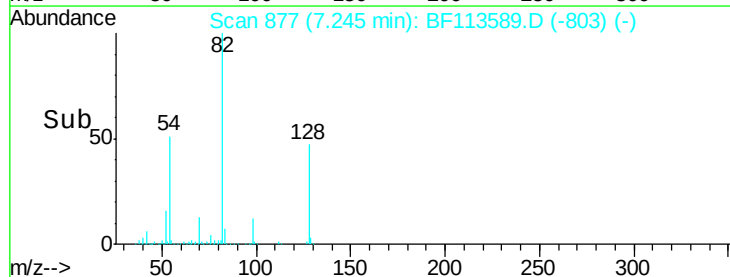
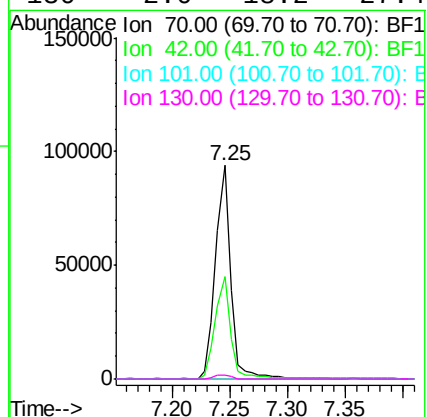
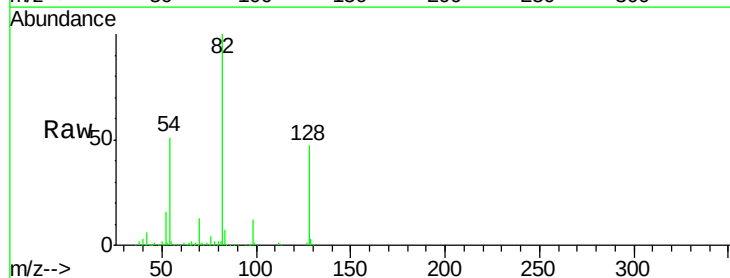
Ion Ratio Lower Upper

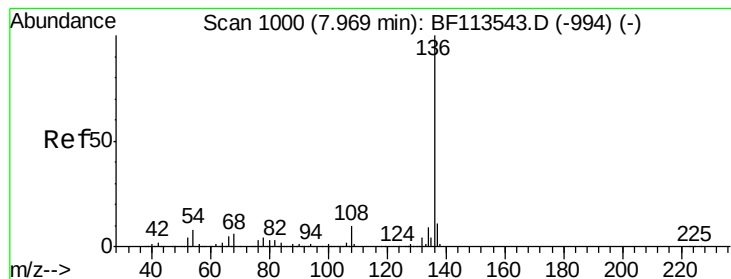
70 100

42 47.8 48.4 72.6#

101 0.0 7.8 11.8#

130 2.0 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.96 min Scan# 999

Delta R.T. -0.01 min

Lab File: BF113589.D

Acq: 4 Apr 2019 18:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 405977

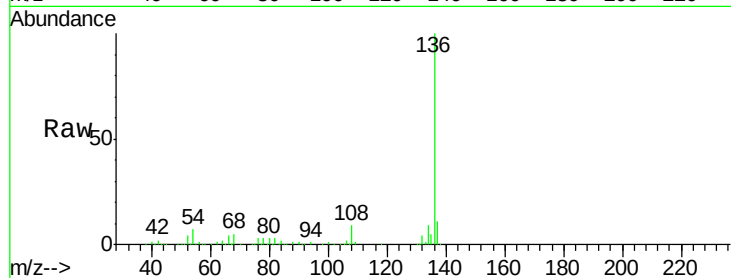
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 7.1 7.0 10.6

68 5.3 4.8 7.2

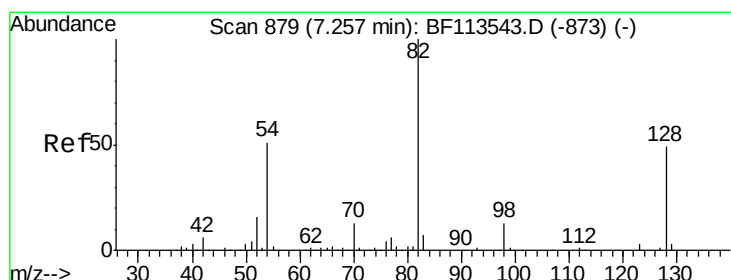
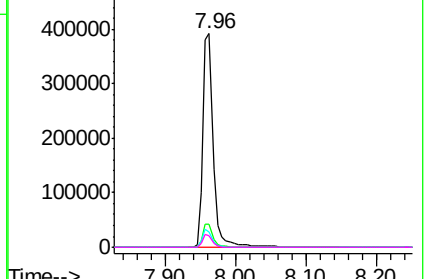
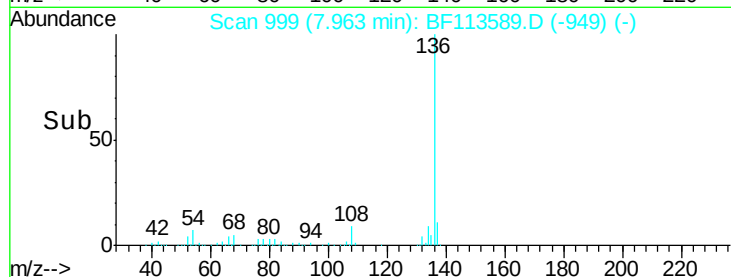


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 98.041 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF113589.D

Acq: 4 Apr 2019 18:10

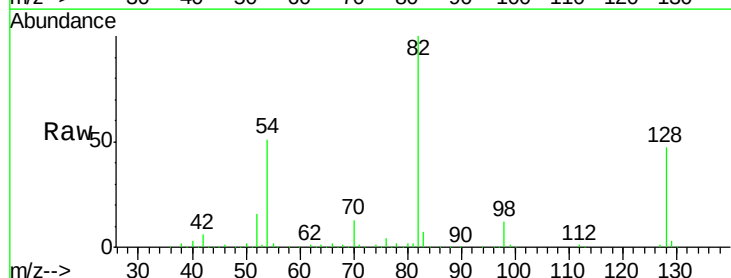
Tgt Ion: 82 Resp: 679506

Ion Ratio Lower Upper

82 100

128 47.1 36.5 54.7

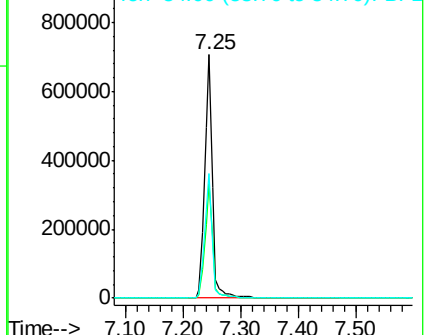
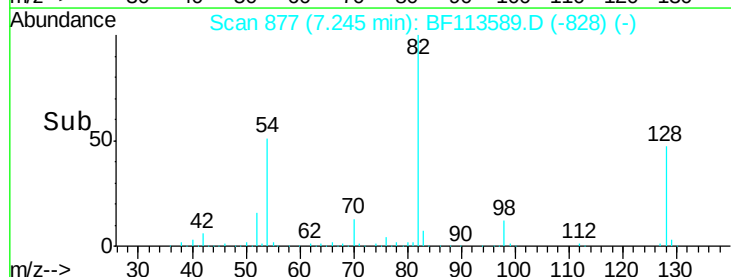
54 51.4 42.2 63.2

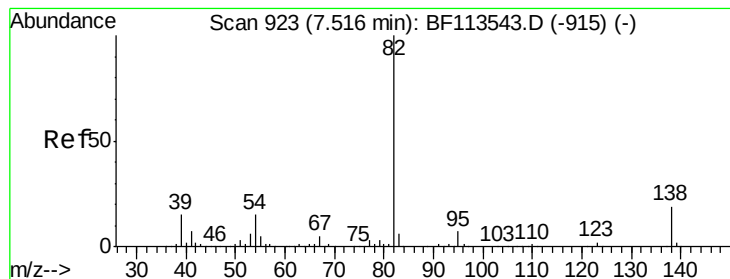


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 50.491 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.27 min

Lab File: BF113589.D

Acq: 4 Apr 2019 18:10

Instrument :

BNA_F

ClientSampled :

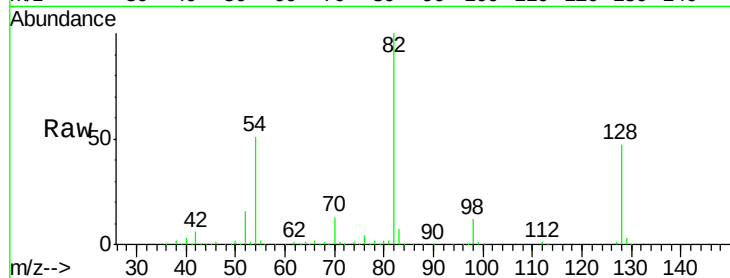
Tot Ion: 82 Resp: 674131

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

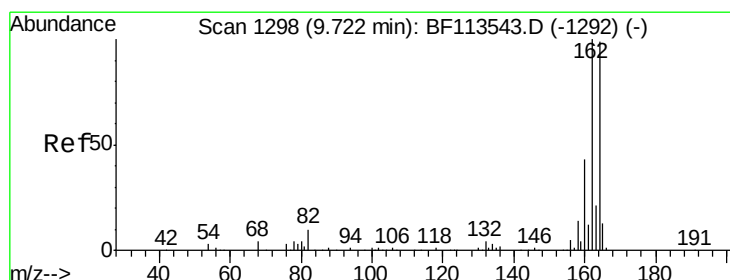
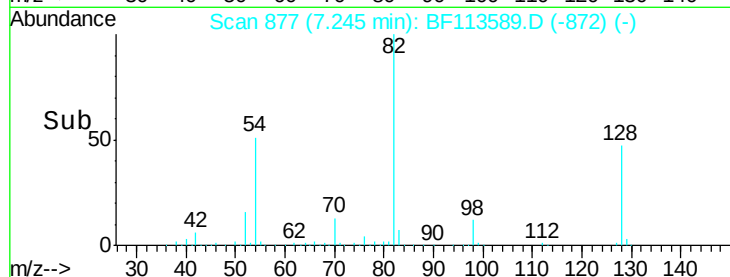
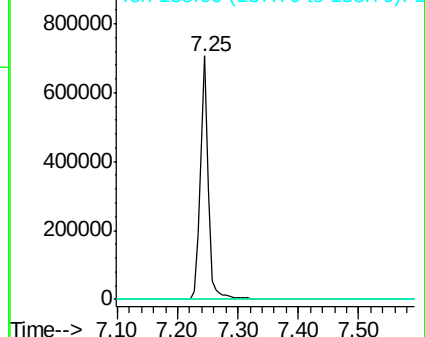
138 0.0 15.2 22.8#



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: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF113589.D

Acq: 4 Apr 2019 18:10

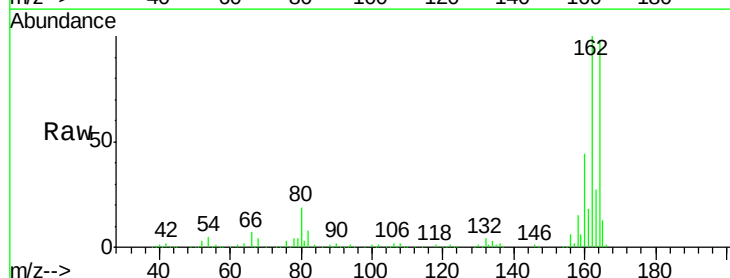
Tgt Ion:164 Resp: 201163

Ion Ratio Lower Upper

164 100

162 101.6 81.8 122.6

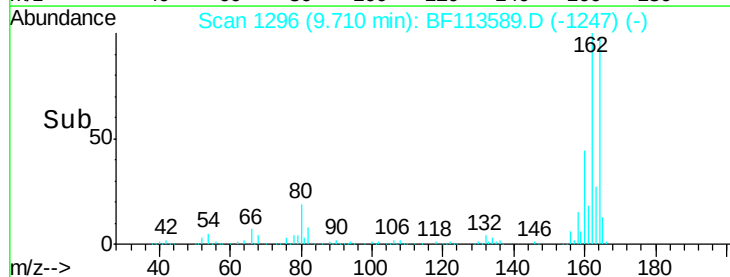
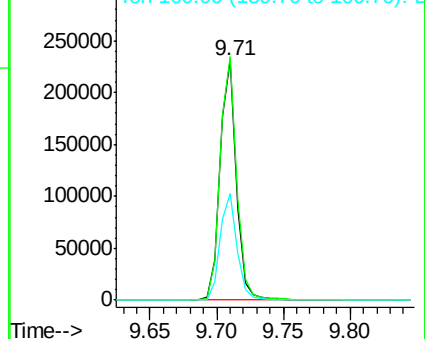
160 44.7 36.4 54.6

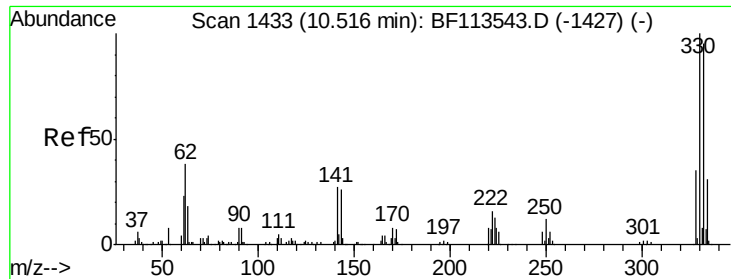


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

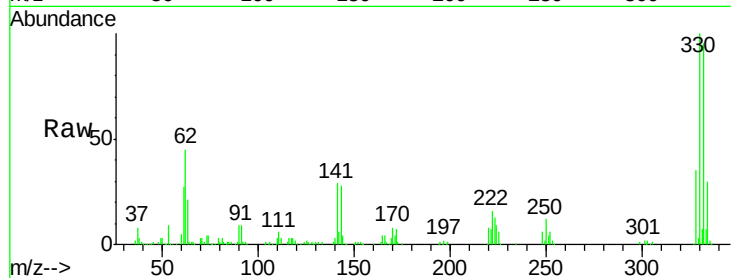




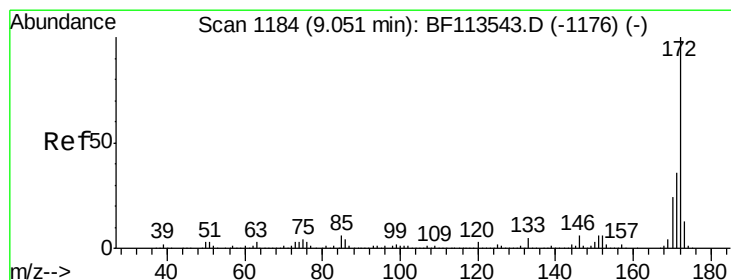
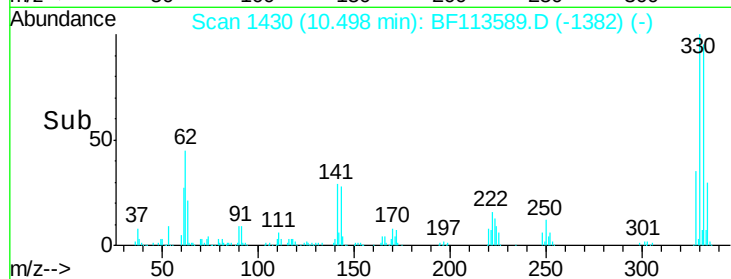
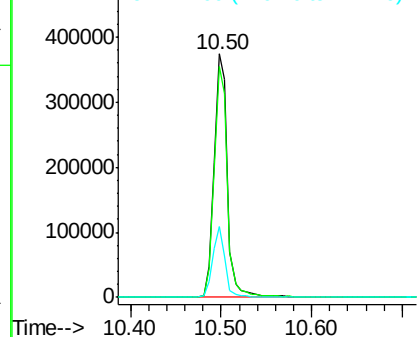
#42
 2,4,6-Tribromophenol
 Concen: 161.836 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF113589.D
 Acq: 4 Apr 2019 18:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 391070
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.8 116.6
 141 27.3 22.7 34.1

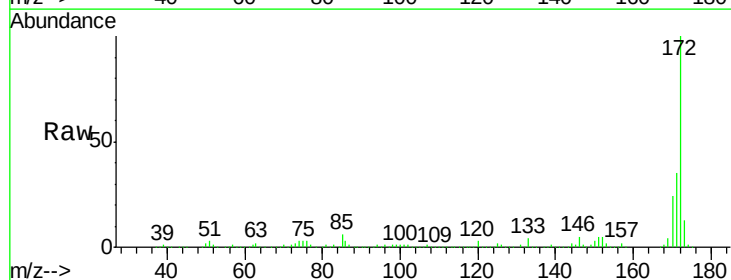


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

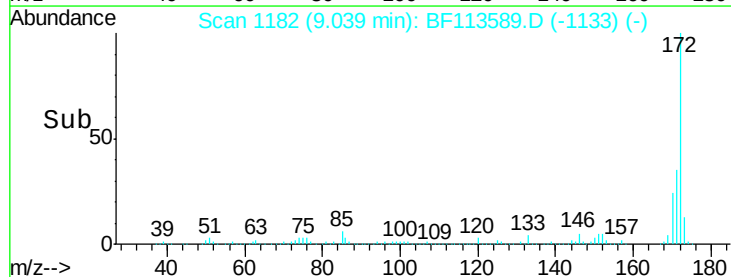
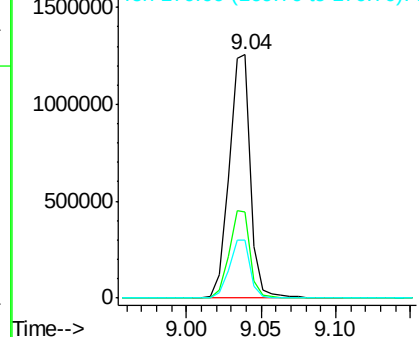


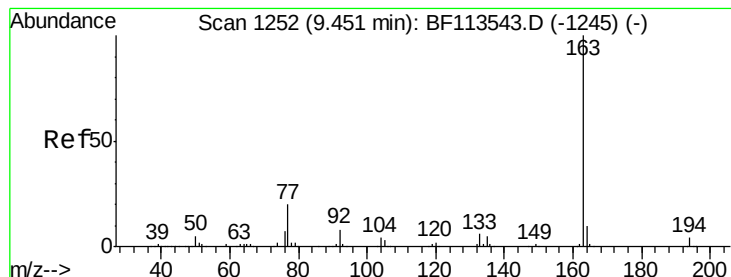
#45
 2-Fluorobiphenyl
 Concen: 101.626 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF113589.D
 Acq: 4 Apr 2019 18:10

Tgt Ion:172 Resp: 1269857
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.0 43.6
 170 24.0 19.5 29.3



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





#50

Dimethylphthalate

Concen: 3.528 ng

RT: 9.71 min Scan# 1296

Delta R.T. 0.26 min

Lab File: BF113589.D

Acq: 4 Apr 2019 18:10

Instrument :

BNA_F

ClientSampleId :

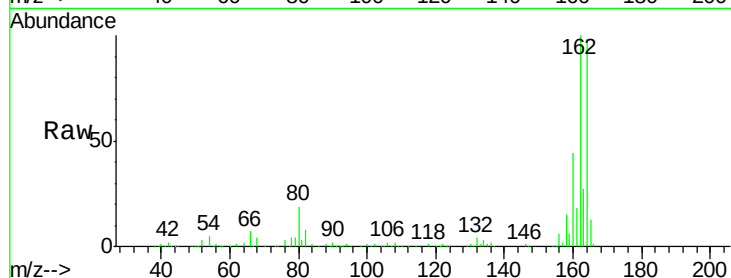
Tot Ion:163 Resp: 52318

Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.6#

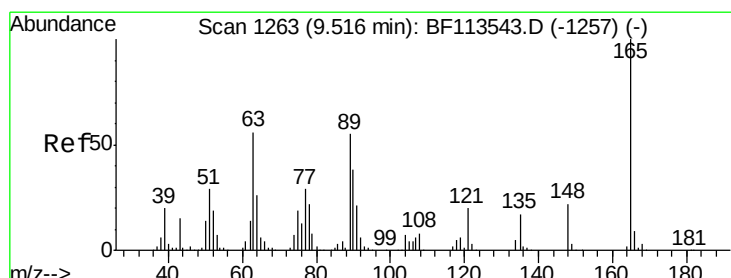
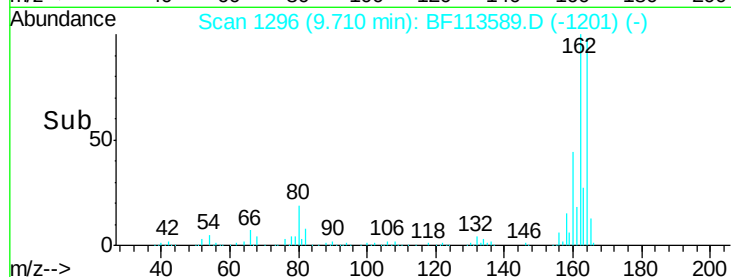
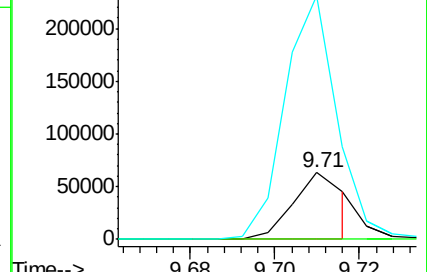
164 366.3 8.1 12.1#



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



#51

2,6-Dinitrotoluene

Concen: 7.779 ng

RT: 9.71 min Scan# 1296

Delta R.T. 0.19 min

Lab File: BF113589.D

Acq: 4 Apr 2019 18:10

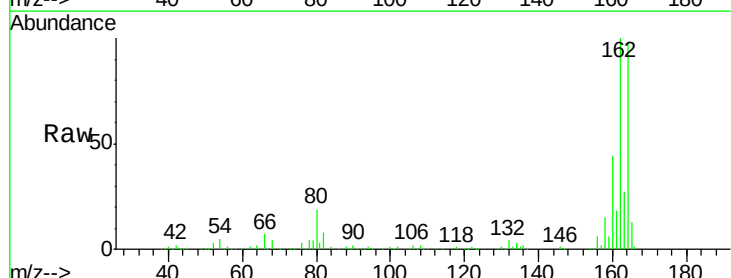
Tgt Ion:165 Resp: 25427

Ion Ratio Lower Upper

165 100

63 0.0 43.4 65.0#

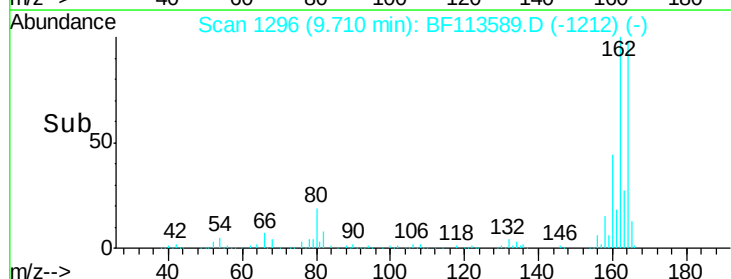
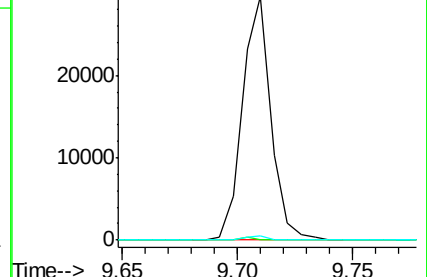
89 1.8 43.1 64.7#

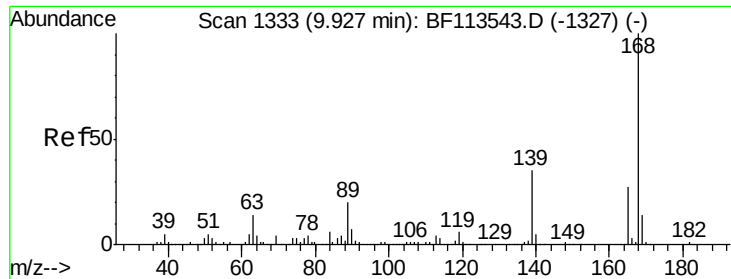


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

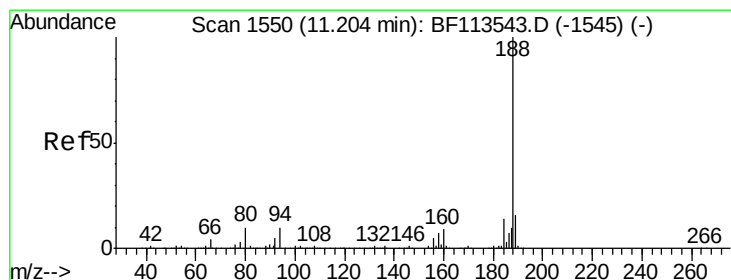
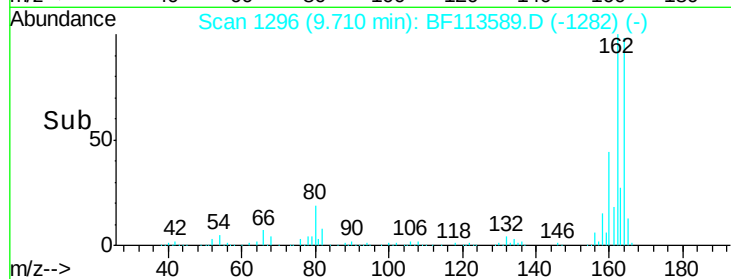
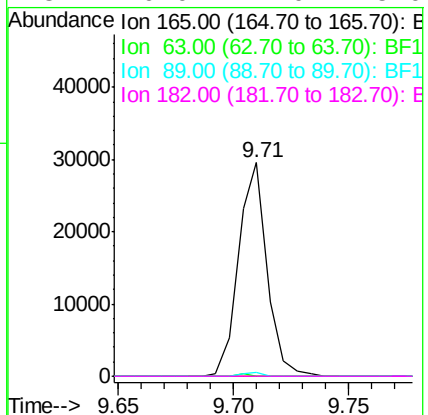
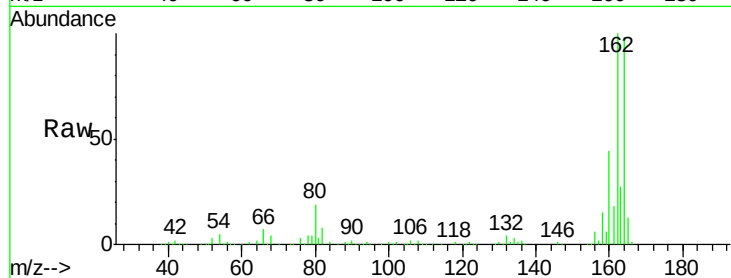




#57
 2,4-Dinitrotoluene
 Concen: 6.432 ng
 RT: 9.71 min Scan# 1296
 Delta R.T. -0.22 min
 Lab File: BF113589.D
 Acq: 4 Apr 2019 18:10

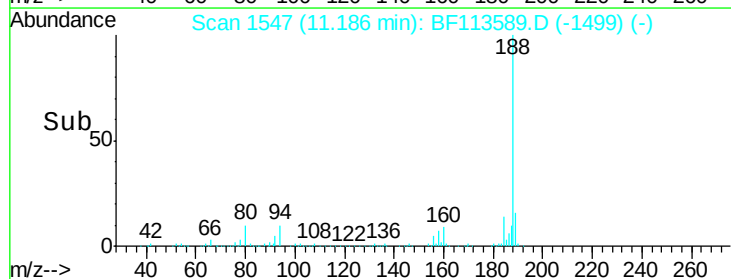
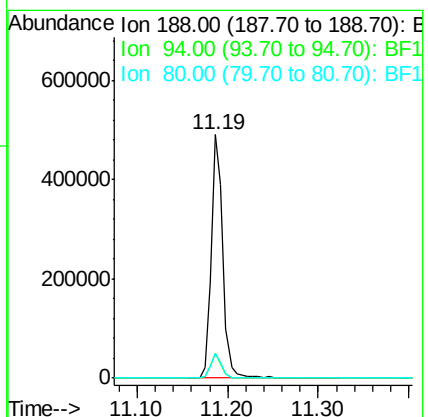
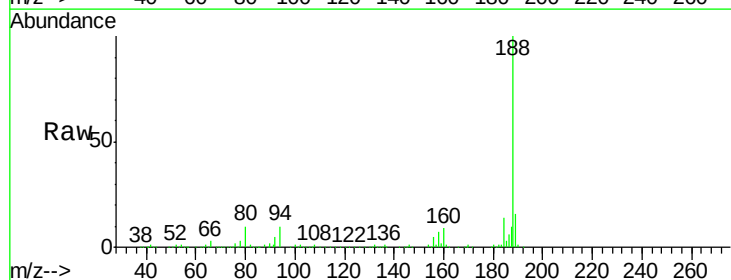
Instrument :
 BNA_F
 ClientSampleId :

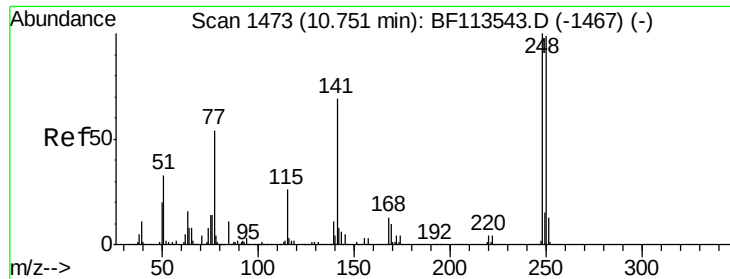
Tot Ion:165 Resp: 25427
 Ion Ratio Lower Upper
 165 100
 63 0.0 37.5 56.3#
 89 1.8 57.4 86.2#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. -0.02 min
 Lab File: BF113589.D
 Acq: 4 Apr 2019 18:10

Tgt Ion:188 Resp: 441045
 Ion Ratio Lower Upper
 188 100
 94 10.0 7.0 10.6
 80 10.1 7.7 11.5

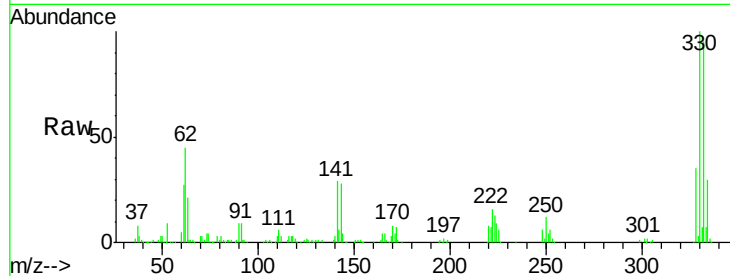




#67
4-Bromophenyl-phenylether
Concen: 4.428 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.25 min
Lab File: BF113589.D
Acq: 4 Apr 2019 18:10

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	193.1	78.3	117.5#
141	474.9	56.2	84.4#

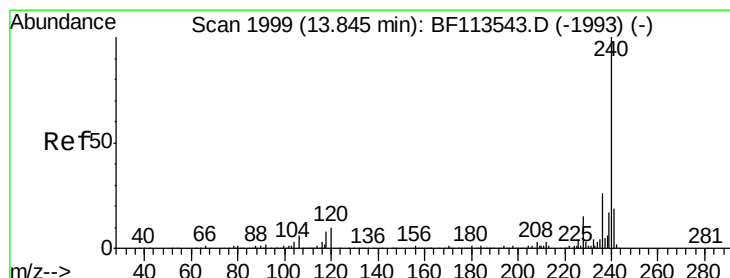
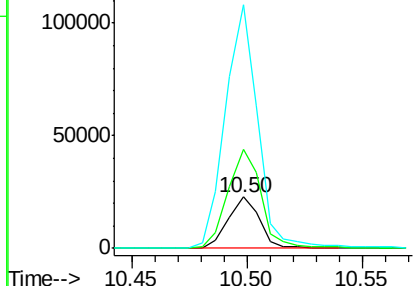
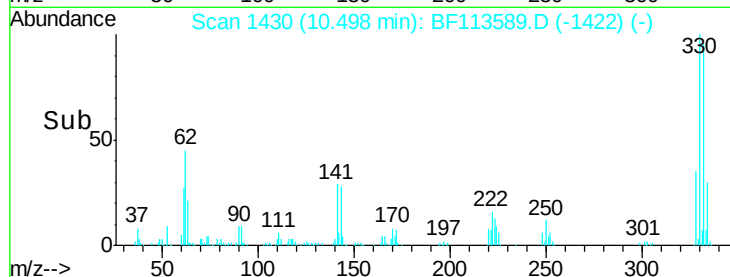


Abundance

Ion 248.00 (247.70 to 248.70): E

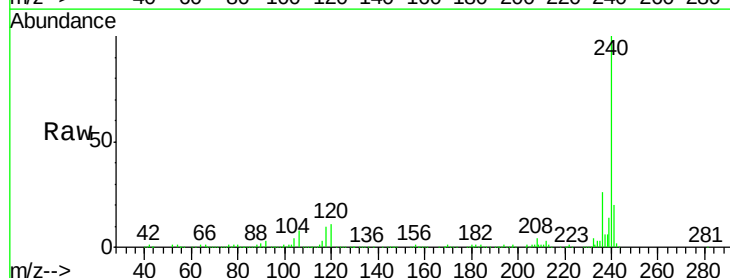
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.03 min
Lab File: BF113589.D
Acq: 4 Apr 2019 18:10

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.8	13.2
236	25.6	20.9	31.3

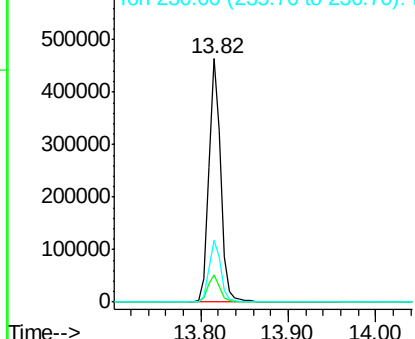
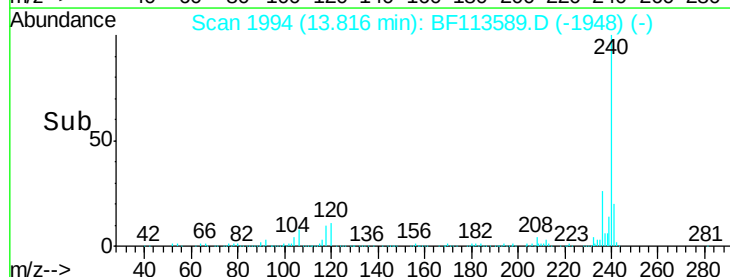


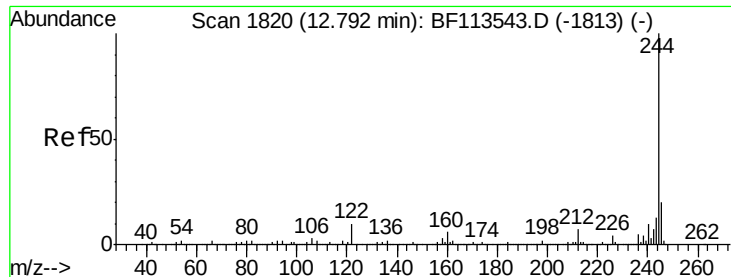
Abundance

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





#79

Terphenyl-d14

Concen: 79.467 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.02 min

Lab File: BF113589.D

Acq: 4 Apr 2019 18:10

Instrument :

BNA_F

ClientSampleId :

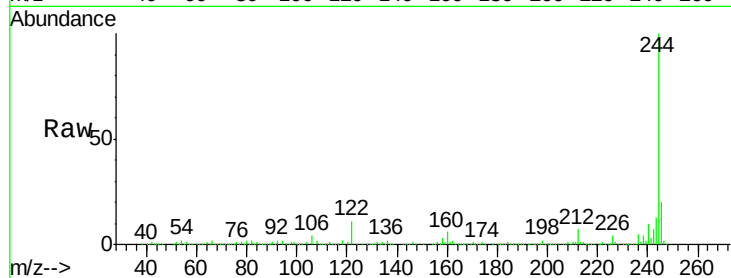
Tot Ion:244 Resp: 1696907

Ion Ratio Lower Upper

244 100

212 6.6 5.5 8.3

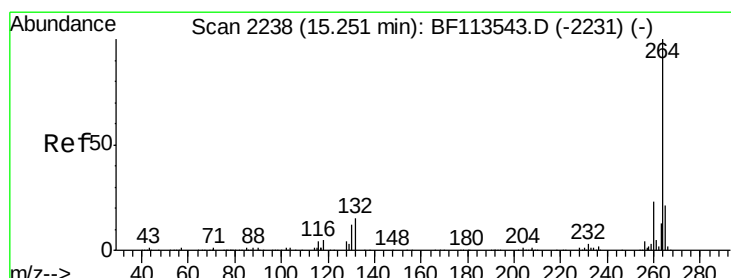
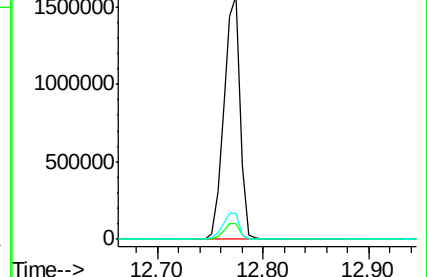
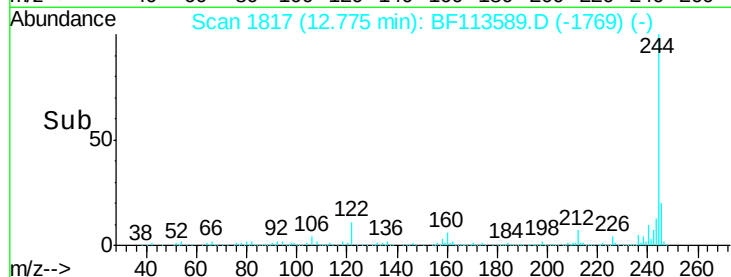
122 10.7 8.6 13.0



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: 15.22 min Scan# 2232

Delta R.T. -0.04 min

Lab File: BF113589.D

Acq: 4 Apr 2019 18:10

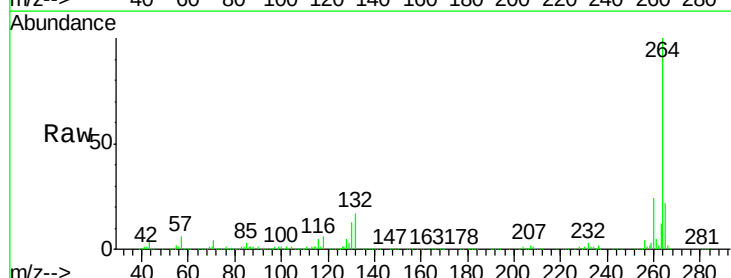
Tgt Ion:264 Resp: 406259

Ion Ratio Lower Upper

264 100

260 23.9 19.1 28.7

265 21.8 17.1 25.7



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

