

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071119\
 Data File : BF115494.D
 Acq On : 11 Jul 2019 11:44
 Operator : HP/JU
 Sample : PB121170BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB121170BL

Quant Time: Jul 12 03:10:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 10 16:47:05 2019
 Response via : Initial Calibration

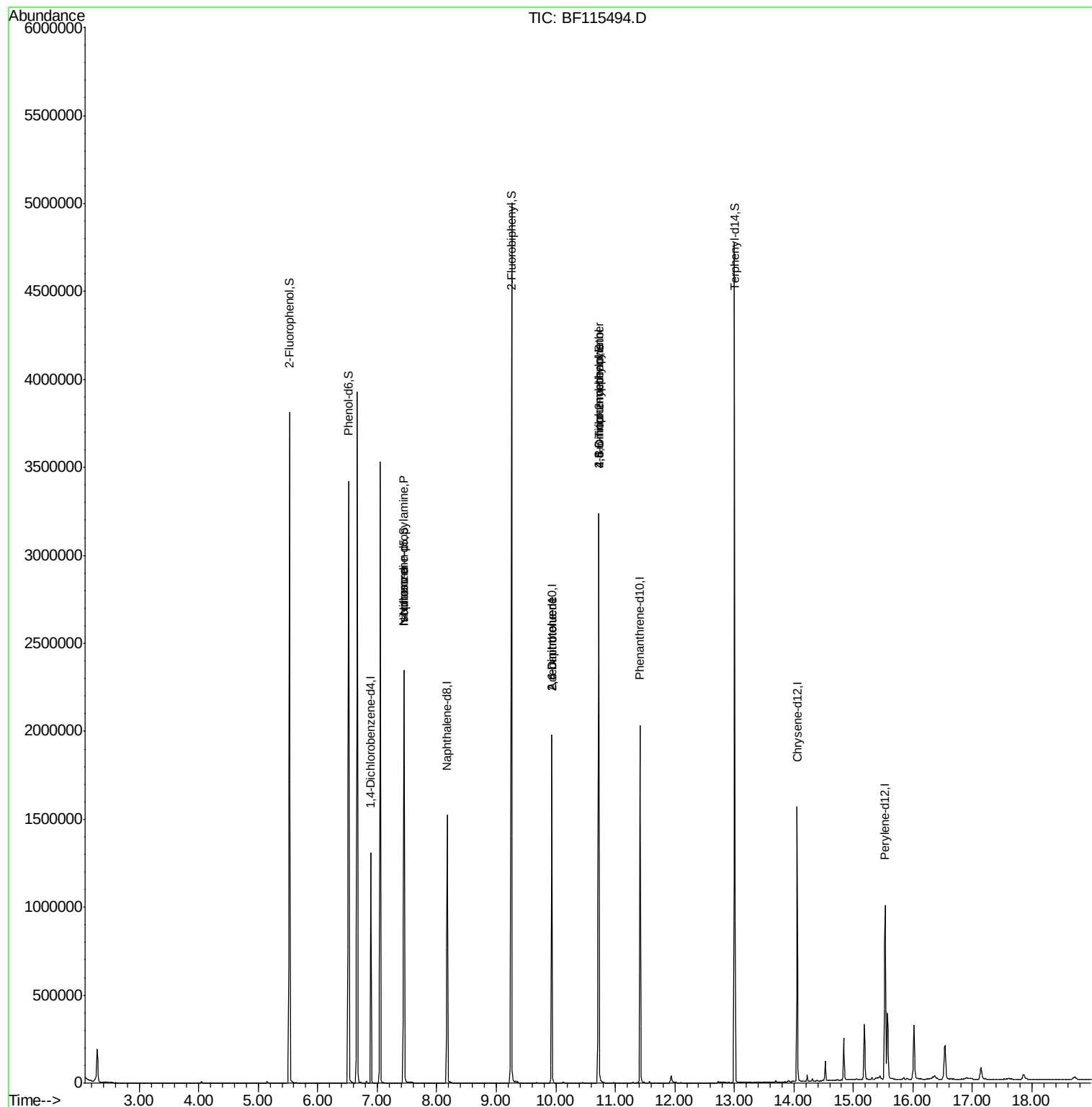
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	189276	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	749804	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	377441	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	731213	20.00	ng	0.00
76) Chrysene-d12	14.06	240	516855	20.00	ng	-0.01
87) Perylene-d12	15.53	264	472586	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1182704	96.54	ng	0.01
7) Phenol-d6	6.52	99	1567265	100.59	ng	0.00
23) Nitrobenzene-d5	7.45	82	991051	78.09	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	452095	108.33	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1748794	81.30	ng	0.00
79) Terphenyl-d14	13.01	244	1945982	77.09	ng	0.00
Target Compounds						
9) Benzaldehyde	6.52	77	2341	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.45	70	131018	12.430	ng	# 1
25) Isophorone	7.45	82	975191	35.452	ng	# 79
51) 2,6-Dinitrotoluene	9.93	165	48568	7.905	ng	# 64
57) 2,4-Dinitrotoluene	9.93	165	48568	6.220	ng	# 29
65) 4,6-Dinitro-2-methylphenol	10.72	198	982	8.052	ng	# 24
67) 4-Bromophenyl-phenylether	10.72	248	27140	3.308	ng	# 1
						# 1

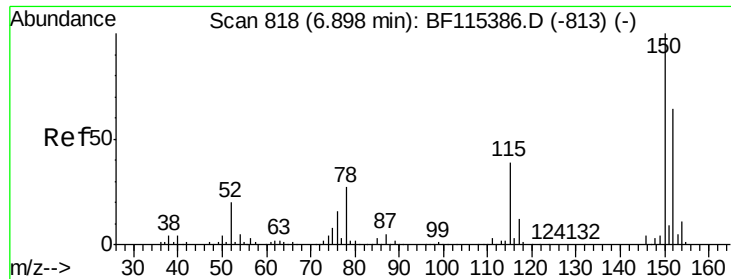
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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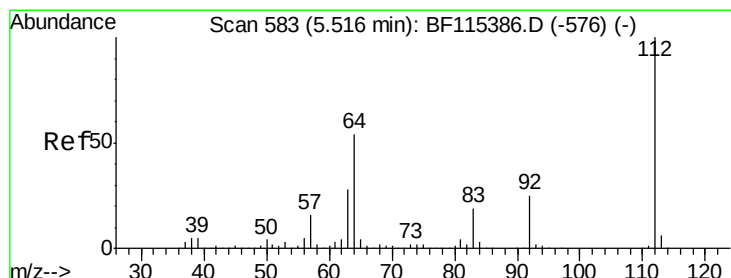
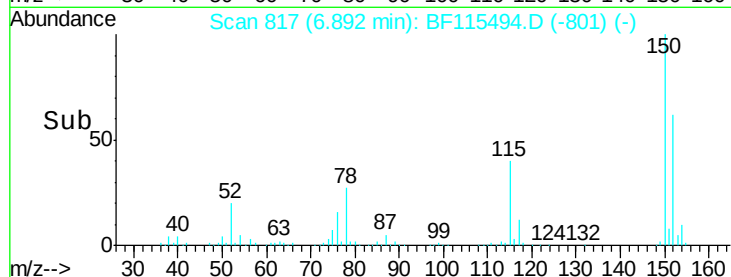
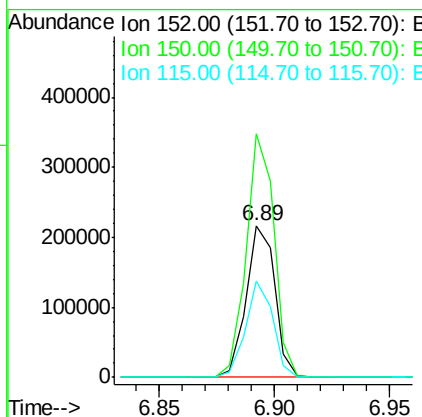
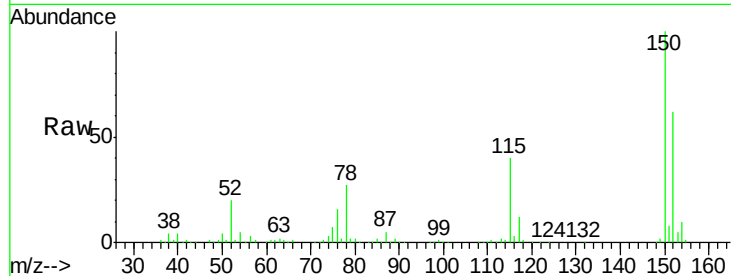


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF115494.D
 Acq: 11 Jul 2019 11:44

Instrument :
 BNA_F
 ClientSampleId :
 PB121170BL

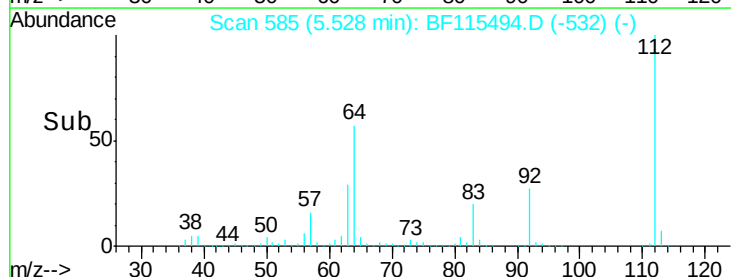
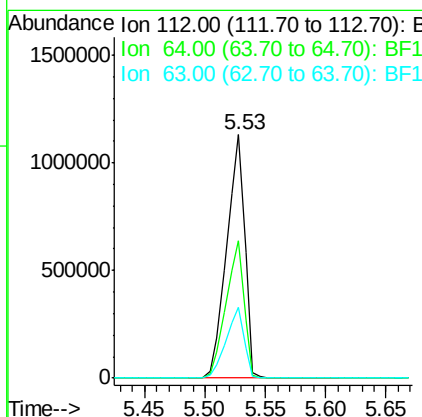
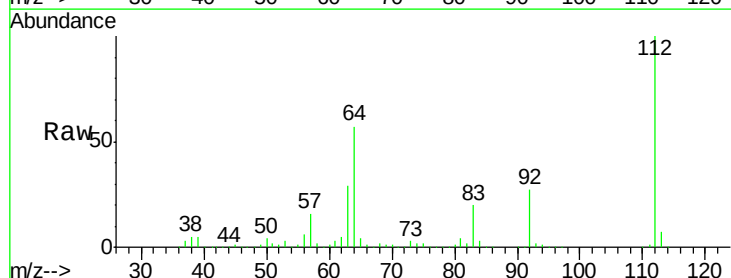
Tot Ion:152 Resp: 189276
 Ion Ratio Lower Upper
 152 100
 150 160.3 127.4 191.2
 115 63.8 46.2 69.4

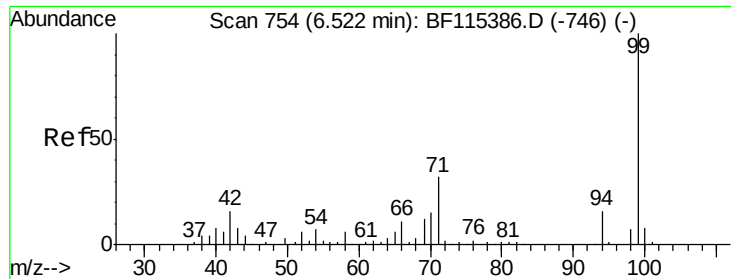


#5

2-Fluorophenol
 Concen: 96.542 ng
 RT: 5.53 min Scan# 585
 Delta R.T. 0.01 min
 Lab File: BF115494.D
 Acq: 11 Jul 2019 11:44

Tgt Ion:112 Resp: 1182704
 Ion Ratio Lower Upper
 112 100
 64 56.5 44.2 66.2
 63 29.3 22.1 33.1





#7

Phenol-d6

Concen: 100.593 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF115494.D

Acq: 11 Jul 2019 11:44

Instrument :

BNA_F

ClientSampleId :

PB121170BL

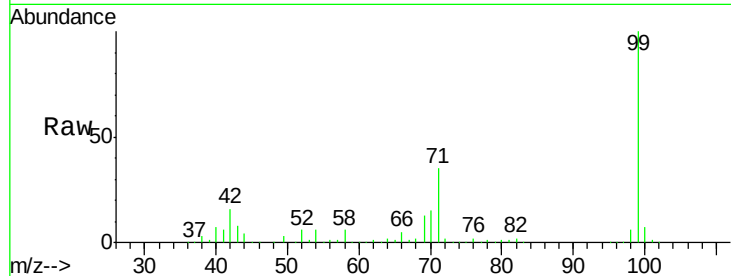
Tot Ion: 99 Resp: 1567265

Ion Ratio Lower Upper

99 100

42 16.3 12.8 19.2

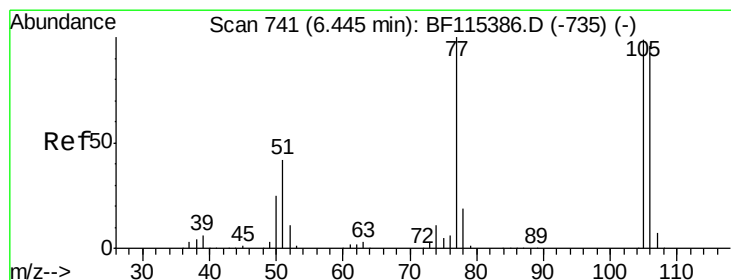
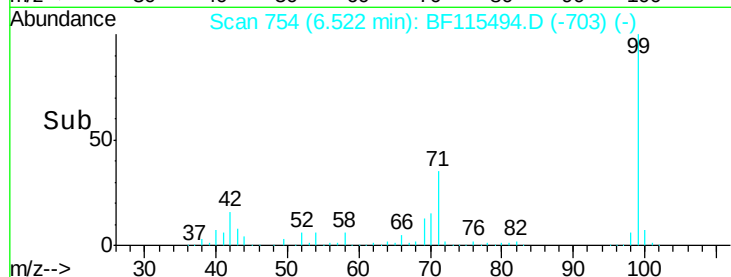
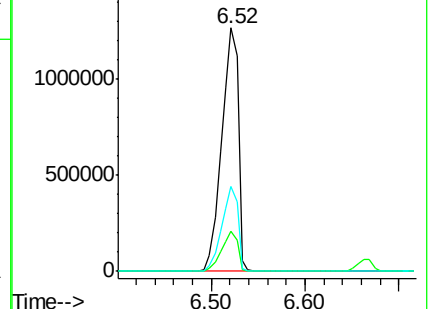
71 34.9 26.5 39.7



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.52 min Scan# 754

Delta R.T. 0.08 min

Lab File: BF115494.D

Acq: 11 Jul 2019 11:44

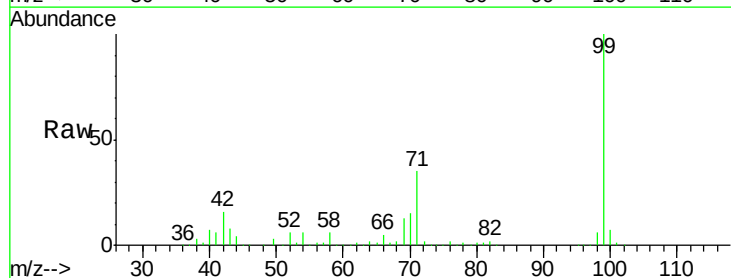
Tgt Ion: 77 Resp: 2341

Ion Ratio Lower Upper

77 100

105 0.0 82.9 122.9#

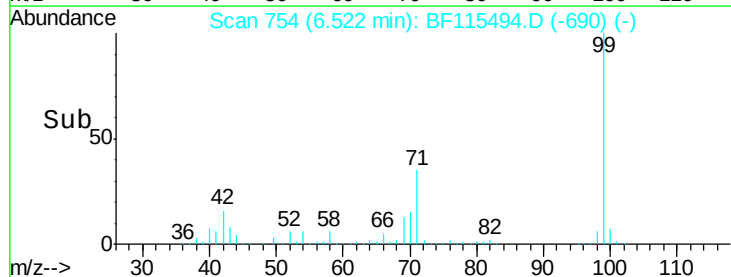
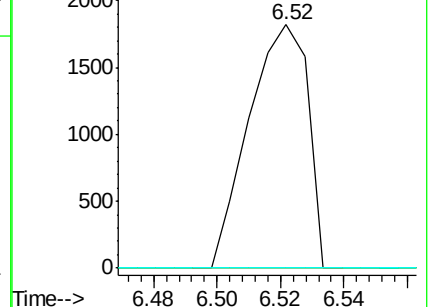
106 0.0 77.8 117.8#

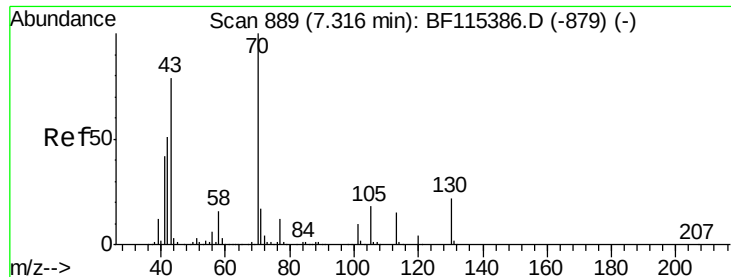


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#19

n-Nitroso-di-n-propylamine

Concen: 12.430 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF115494.D

Acq: 11 Jul 2019 11:44

Instrument :

BNA_F

ClientSampleId :

PB121170BL

Tot Ion: 70 Resp: 131018

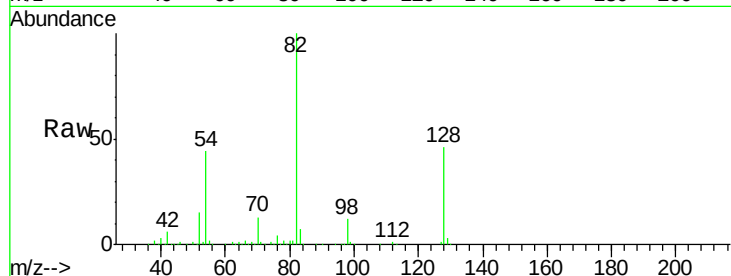
Ion Ratio Lower Upper

70 100

42 42.1 38.5 57.7

101 0.0 8.0 12.0#

130 2.4 19.1 28.7#

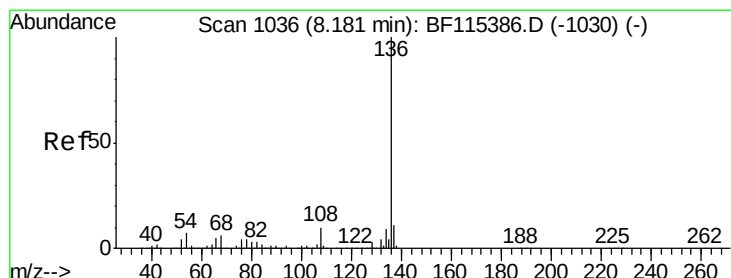
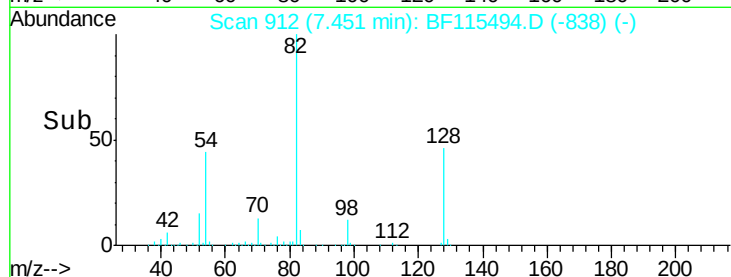
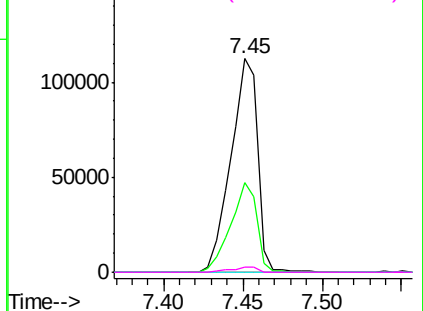


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF115494.D

Acq: 11 Jul 2019 11:44

Tgt Ion: 136 Resp: 749804

Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 7.0 5.4 8.0

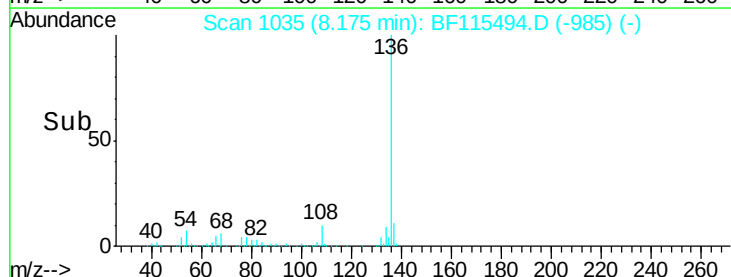
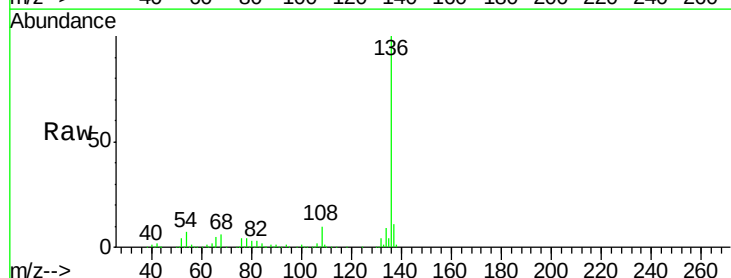
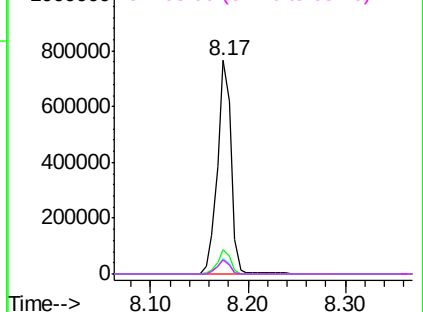
68 6.4 4.8 7.2

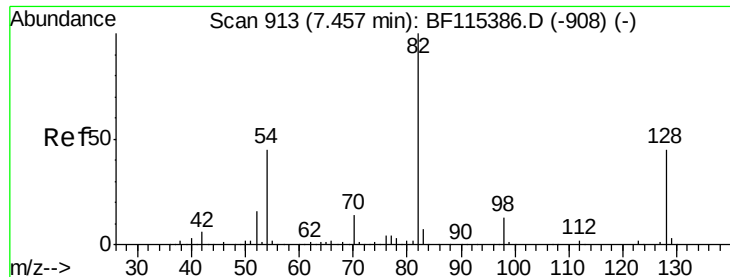
Abundance Ion 136.00 (135.70 to 136.70): E

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

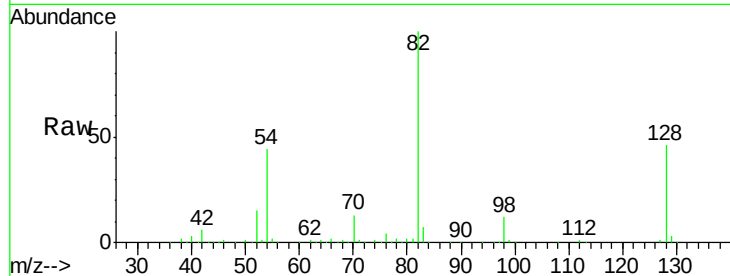




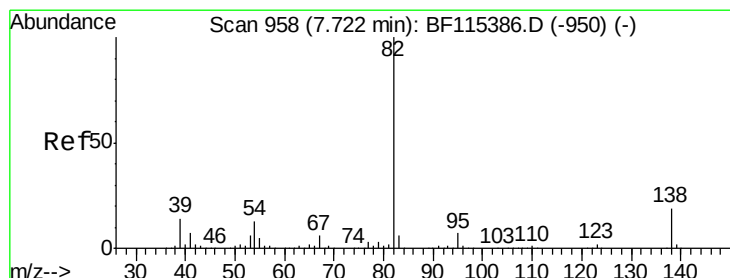
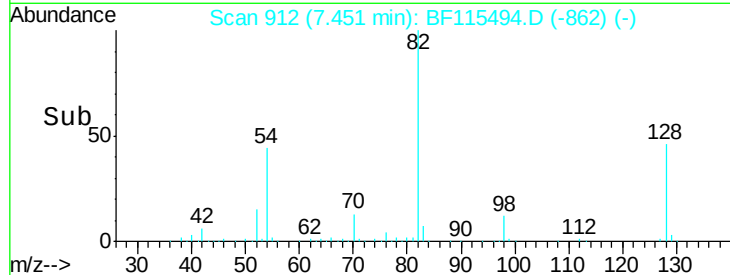
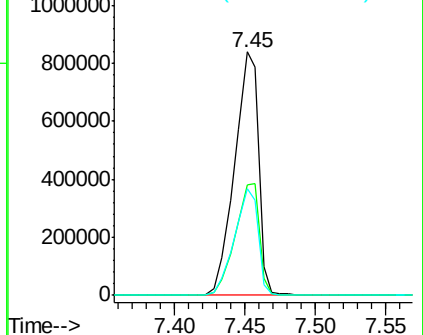
#23
 Nitrobenzene-d5
 Concen: 78.093 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF115494.D
 Acq: 11 Jul 2019 11:44

Instrument :
 BNA_F
 ClientSampleId :
 PB121170BL

Tot Ion: 82 Resp: 991051
 Ion Ratio Lower Upper
 82 100
 128 45.6 36.7 55.1
 54 44.0 35.6 53.4

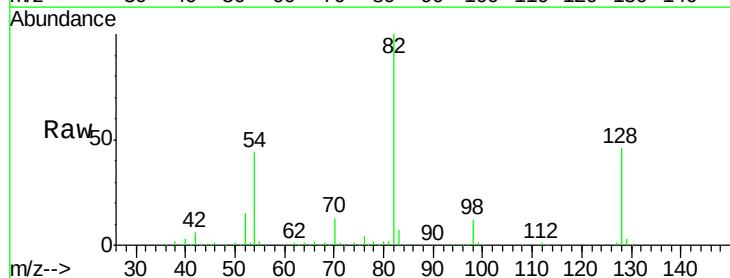


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

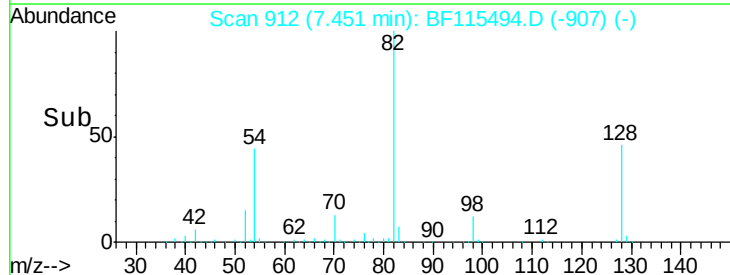
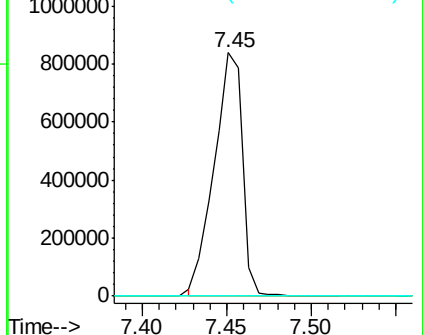


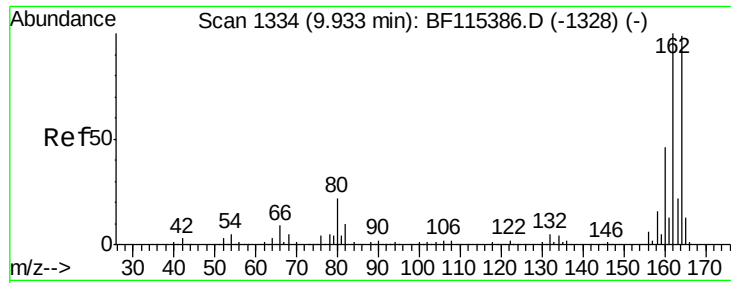
#25
 Isophorone
 Concen: 35.452 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.27 min
 Lab File: BF115494.D
 Acq: 11 Jul 2019 11:44

Tgt Ion: 82 Resp: 975191
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 15.1 22.7#



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

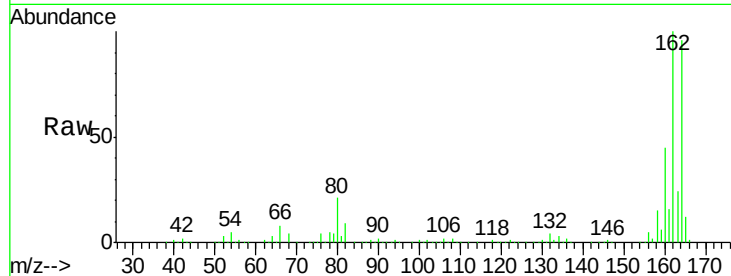




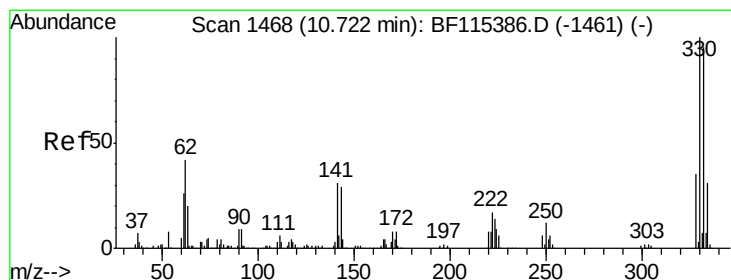
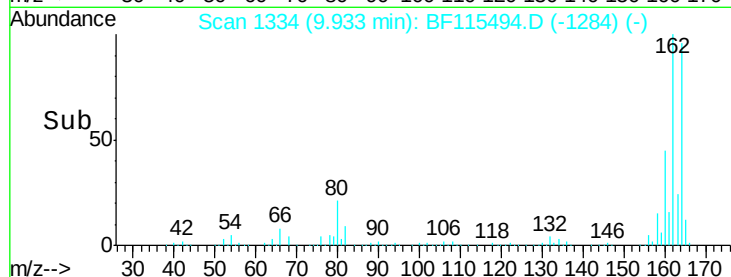
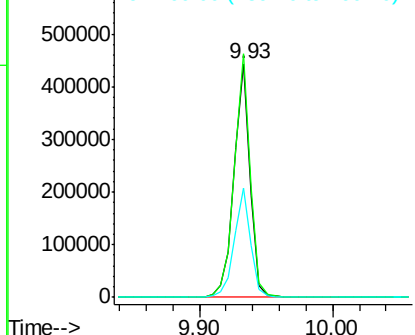
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: BF115494.D
 Acq: 11 Jul 2019 11:44

Instrument :
 BNA_F
 ClientSampleId :
 PB121170BL

Tot Ion:164 Resp: 377441
 Ion Ratio Lower Upper
 164 100
 162 104.1 82.3 123.5
 160 46.9 37.2 55.8

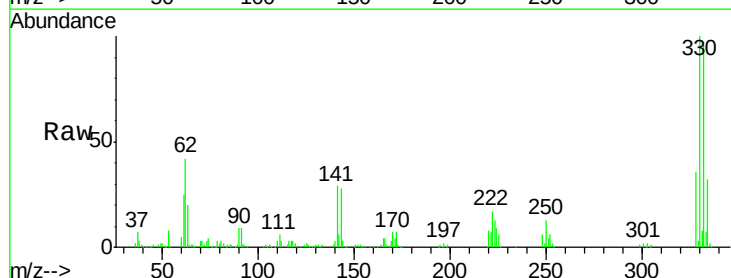


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

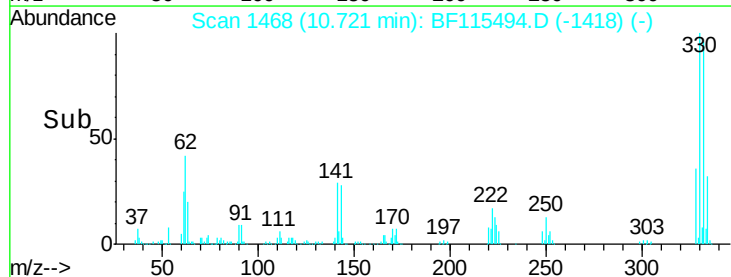
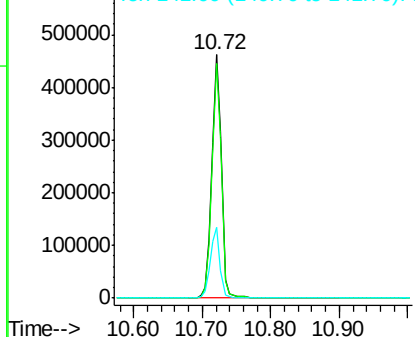


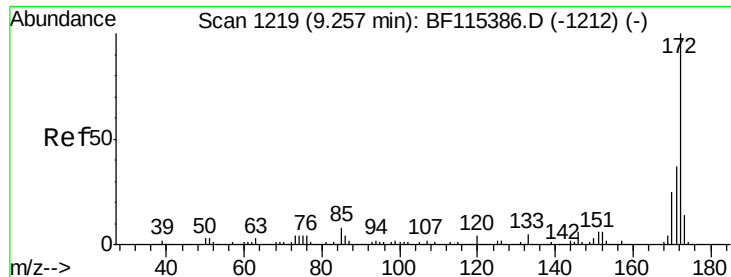
#42
 2,4,6-Tribromophenol
 Concen: 108.332 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.01 min
 Lab File: BF115494.D
 Acq: 11 Jul 2019 11:44

Tgt Ion:330 Resp: 452095
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.4 116.0
 141 29.2 24.7 37.1



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

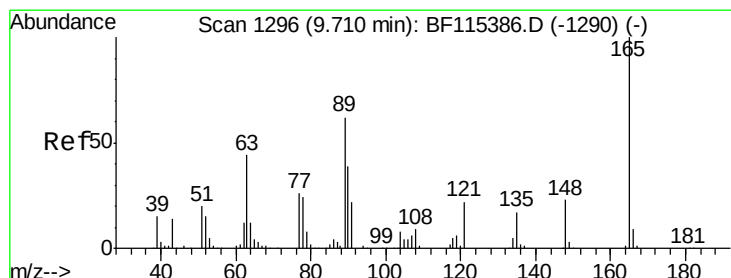
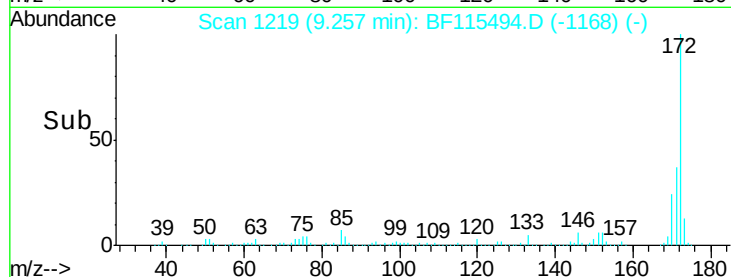
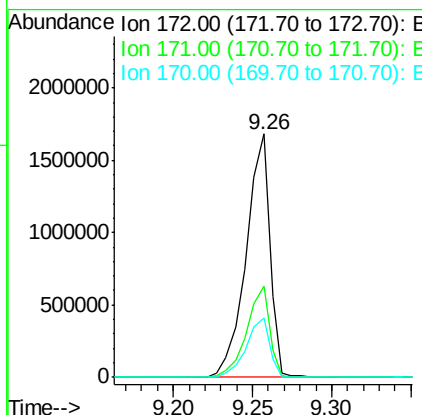
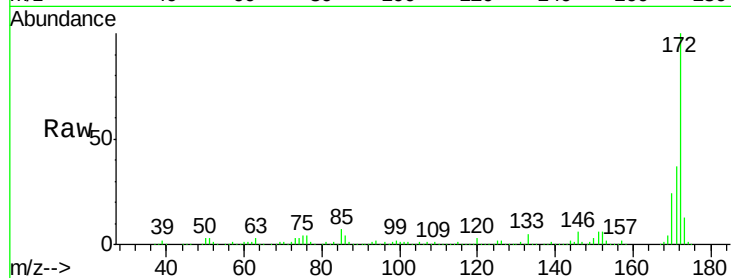




#45
 2-Fluorobiphenyl
 Concen: 81.303 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: BF115494.D
 Acq: 11 Jul 2019 11:44

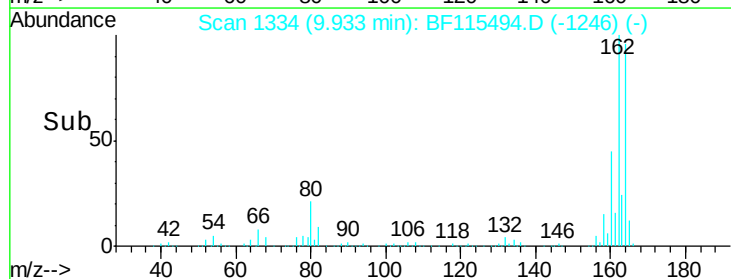
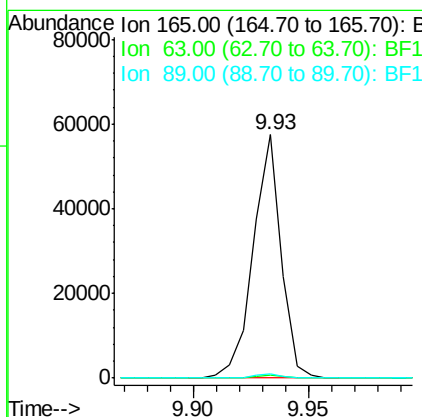
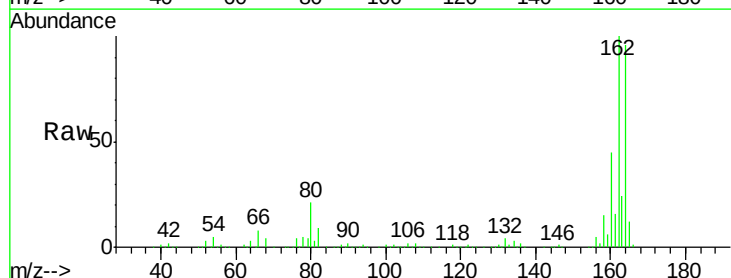
Instrument :
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 ClientSampleId :
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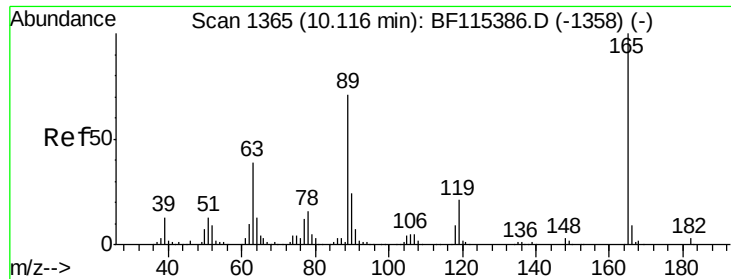
Tot Ion:172 Resp: 1748794
 Ion Ratio Lower Upper
 172 100
 171 37.3 29.8 44.8
 170 24.5 20.0 30.0



#51
 2,6-Dinitrotoluene
 Concen: 7.905 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.22 min
 Lab File: BF115494.D
 Acq: 11 Jul 2019 11:44

Tgt Ion:165 Resp: 48568
 Ion Ratio Lower Upper
 165 100
 63 1.3 39.7 59.5#
 89 1.8 42.8 64.2#





#57

2,4-Dinitrotoluene

Concen: 6.220 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.18 min

Lab File: BF115494.D

Acq: 11 Jul 2019 11:44

Instrument :

BNA_F

ClientSampleId :

PB121170BL

Tot Ion:165 Resp: 48568

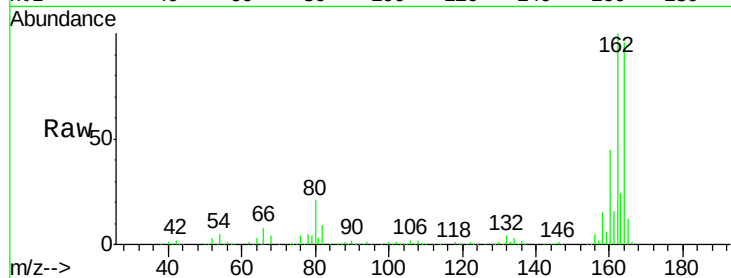
Ion Ratio Lower Upper

165 100

63 1.3 33.0 49.4#

89 1.8 58.5 87.7#

182 0.0 2.1 3.1#

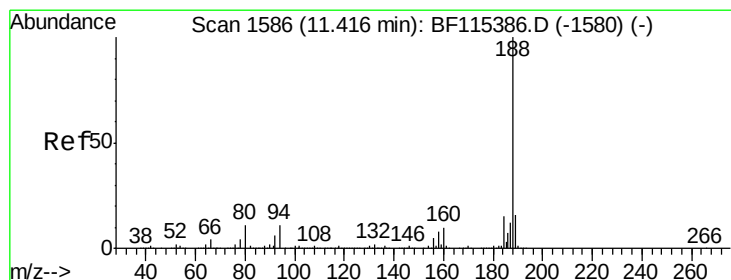
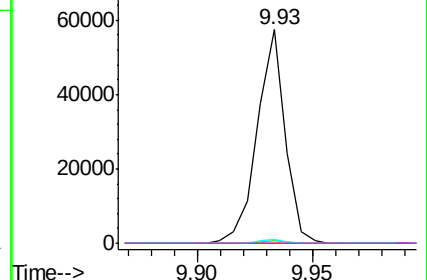
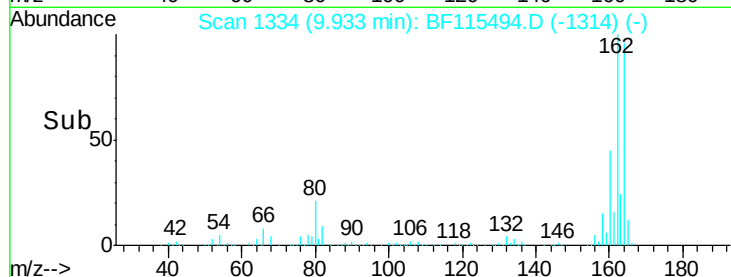


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.42 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BF115494.D

Acq: 11 Jul 2019 11:44

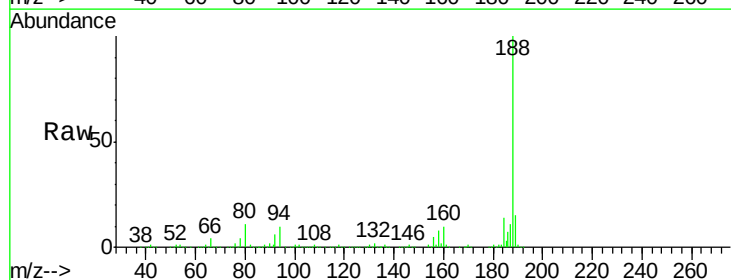
Tgt Ion:188 Resp: 731213

Ion Ratio Lower Upper

188 100

94 10.3 7.8 11.8

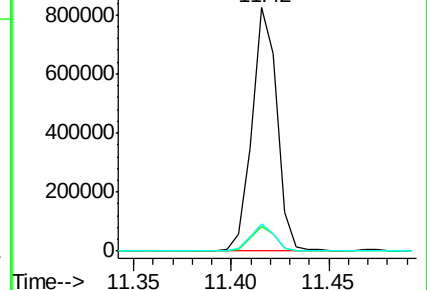
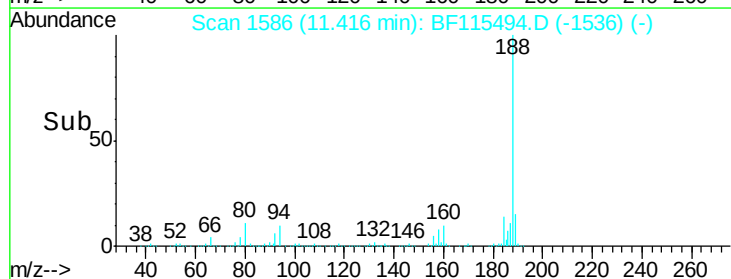
80 11.2 8.4 12.6

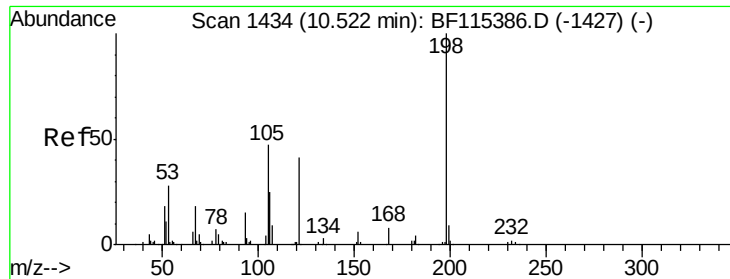


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 8.052 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.19 min

Lab File: BF115494.D

Acq: 11 Jul 2019 11:44

Instrument :

BNA_F

ClientSampleId :

PB121170BL

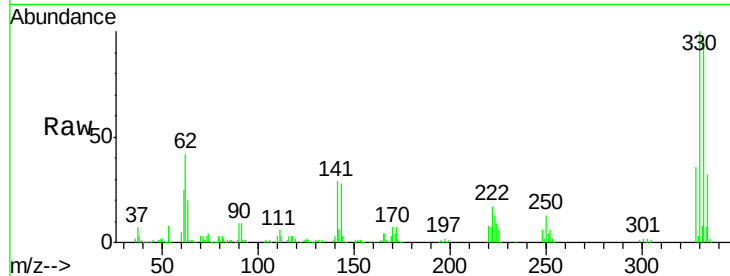
Tot Ion:198 Resp: 982

Ion Ratio Lower Upper

198 100

51 124.4 20.7 60.7#

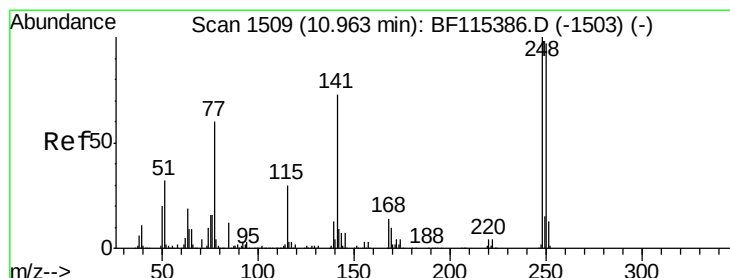
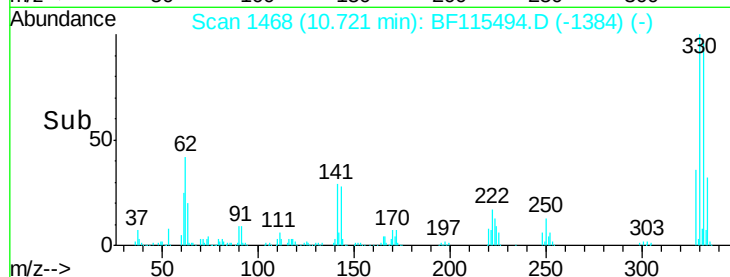
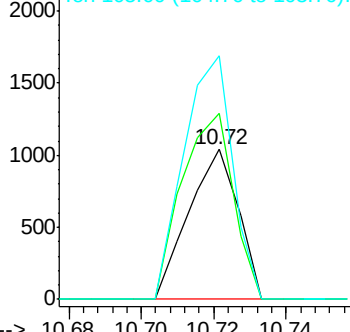
105 162.8 25.3 65.3#



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



#67

4-Bromophenyl-phenylether

Concen: 3.308 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.25 min

Lab File: BF115494.D

Acq: 11 Jul 2019 11:44

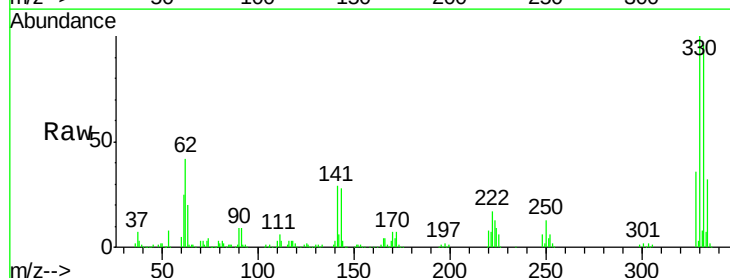
Tgt Ion:248 Resp: 27140

Ion Ratio Lower Upper

248 100

250 204.5 78.3 117.5#

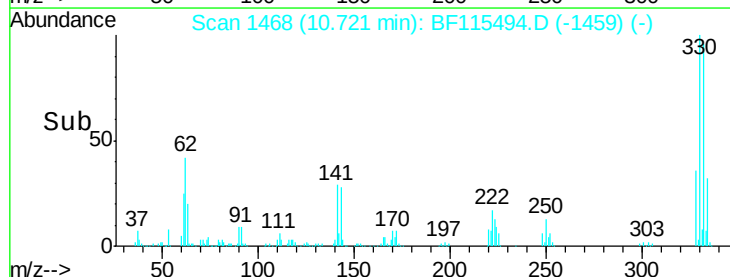
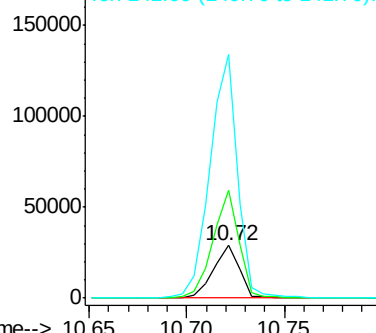
141 463.1 52.2 78.2#

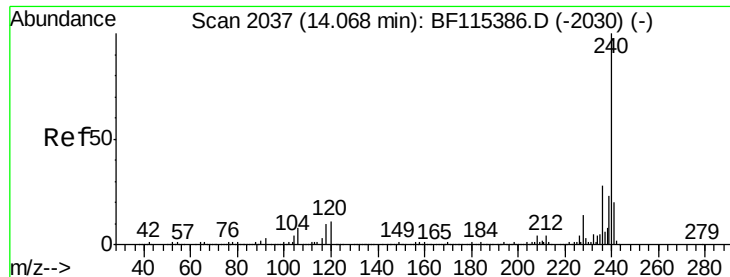


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF115494.D

Acq: 11 Jul 2019 11:44

Instrument :

BNA_F

ClientSampleId :

PB121170BL

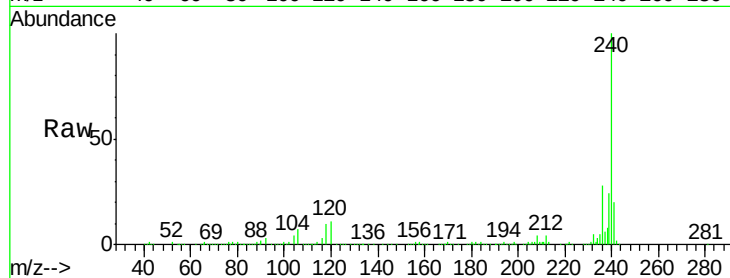
Tot Ion:240 Resp: 516855

Ion Ratio Lower Upper

240 100

120 11.0 10.2 15.4

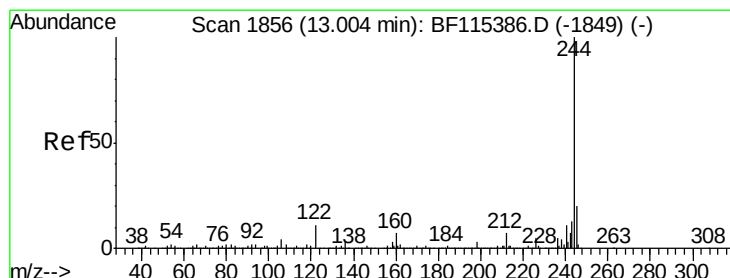
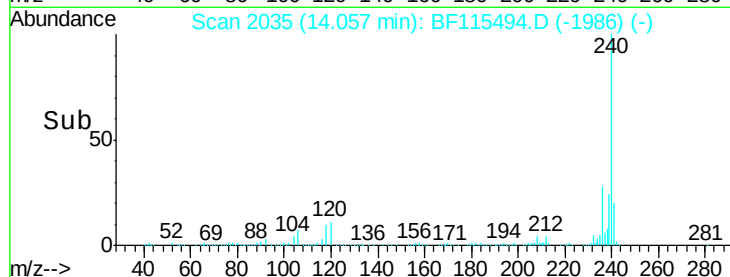
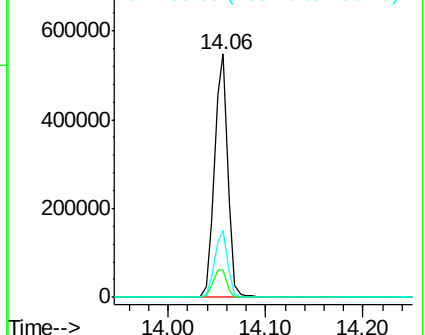
236 27.6 21.1 31.7



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: 77.090 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.00 min

Lab File: BF115494.D

Acq: 11 Jul 2019 11:44

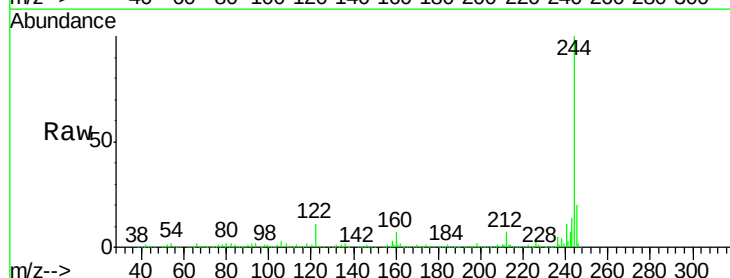
Tgt Ion:244 Resp: 1945982

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

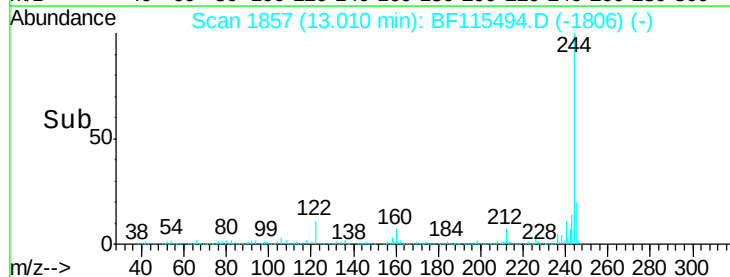
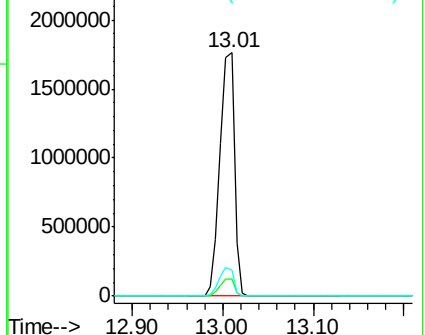
122 10.7 9.1 13.7

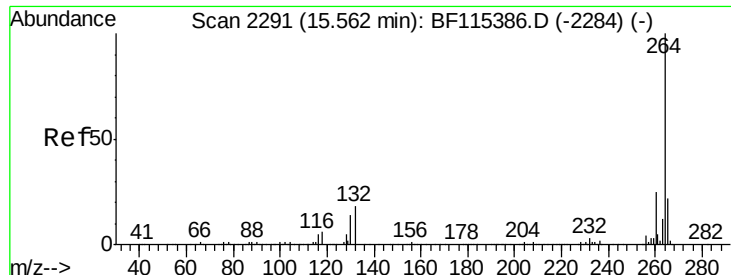


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

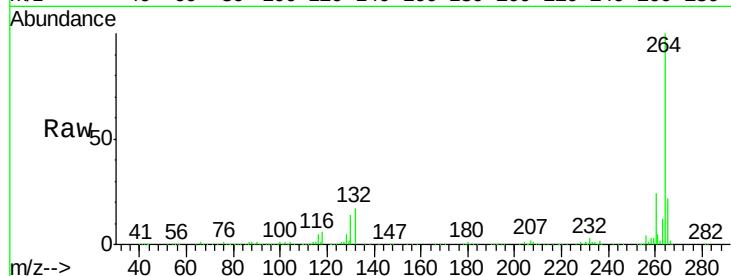




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. -0.03 min
Lab File: BF115494.D
Acq: 11 Jul 2019 11:44

Instrument :
BNA_F
ClientSampleId :
PB121170BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	20.1	30.1
265	22.2	17.8	26.6



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

