

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120419\
 Data File : BF118086.D
 Acq On : 4 Dec 2019 15:07
 Operator : JU
 Sample : PB125225BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 05 00:38:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 03 15:16:53 2019
 Response via : Initial Calibration

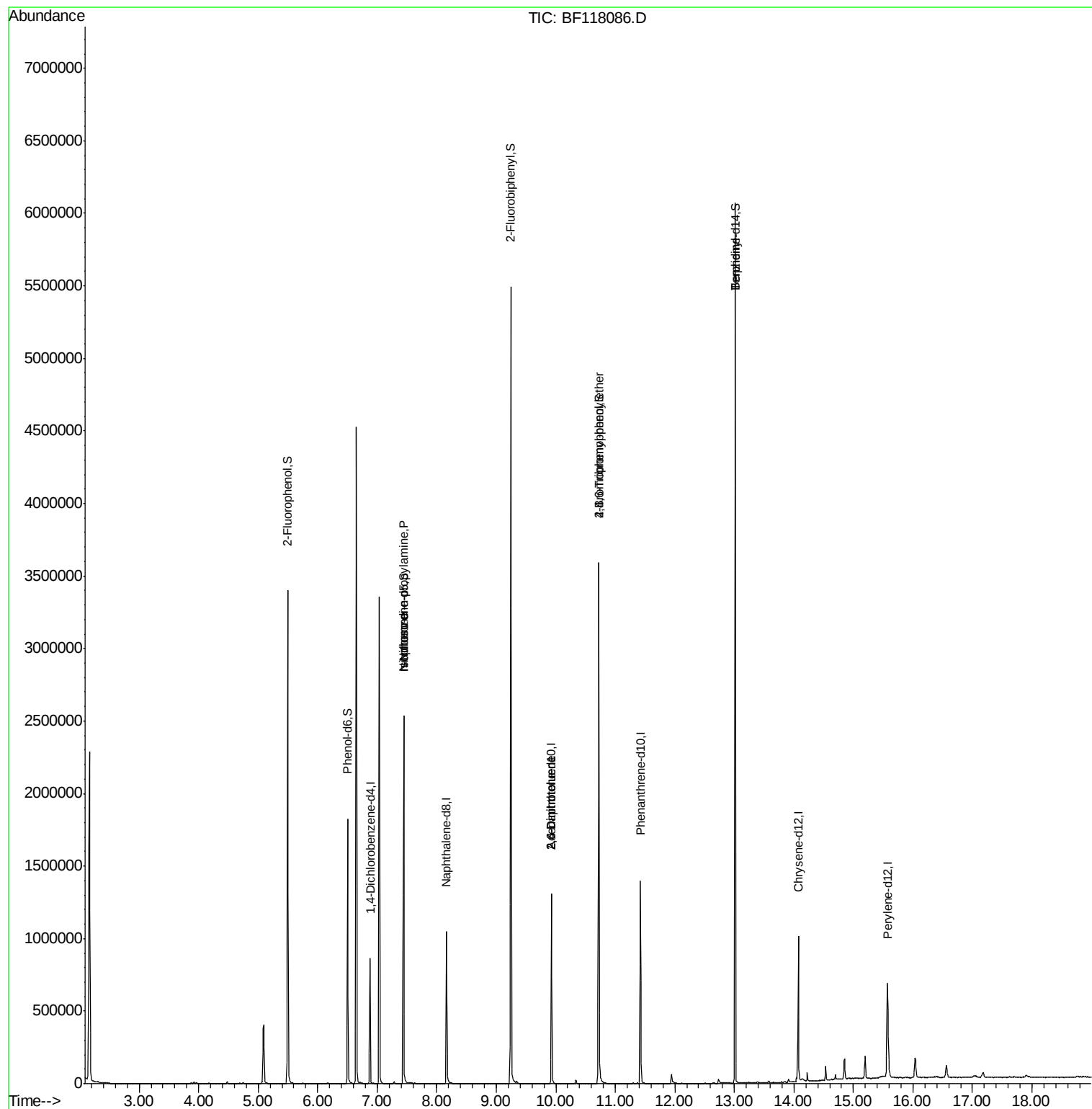
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	134822	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	511331	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	270079	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	504444	20.00	ng	0.00
76) Chrysene-d12	14.07	240	342276	20.00	ng	0.00
87) Perylene-d12	15.57	264	311887	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	922407	121.10	ng	0.01
7) Phenol-d6	6.50	99	577701	62.88	ng	0.00
23) Nitrobenzene-d5	7.45	82	894988	104.05	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	484098	169.31	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1728549	114.82	ng	0.00
79) Terphenyl-d14	13.02	244	2057131	109.84	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	1019	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.45	70	121124	21.371 ng	#	71
25) Isophorone	7.45	82	894980	56.768 ng	#	63
51) 2,6-Dinitrotoluene	9.93	165	33836	8.175 ng	#	25
57) 2,4-Dinitrotoluene	9.93	165	33836	6.426 ng	#	32
67) 4-Bromophenyl-phenylether	10.72	248	30232	5.554 ng	#	1
75) Fluoranthene	12.64	202	313	Below Cal		64
77) Benzydine	13.02	184	27309	2.436 ng	#	92

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

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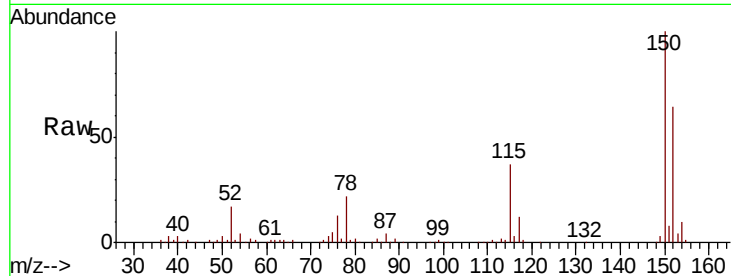


#1

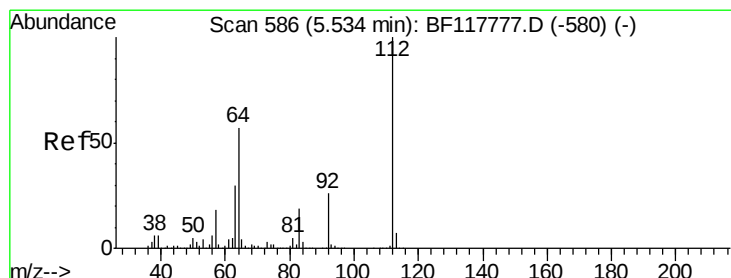
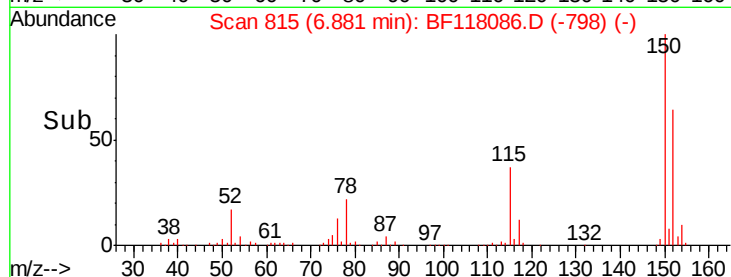
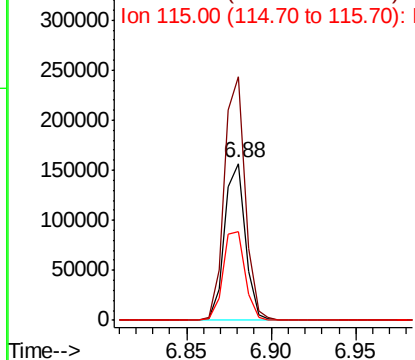
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF118086.D
Acq: 4 Dec 2019 15:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 134822
Ion Ratio Lower Upper
152 100
150 155.3 121.4 182.2
115 56.9 48.8 73.2



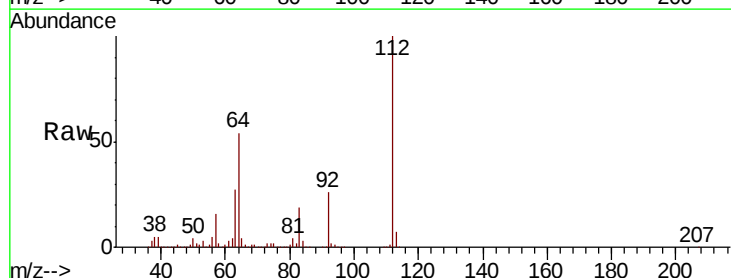
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



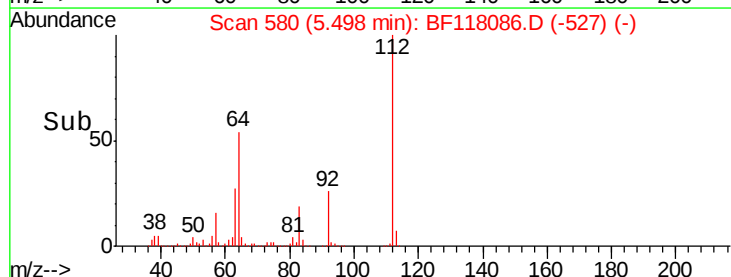
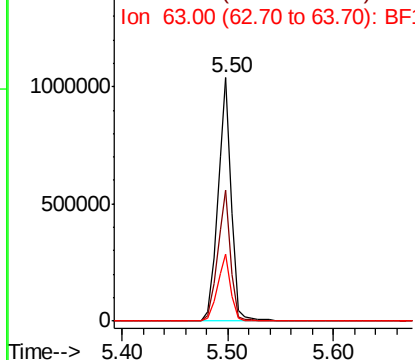
#5

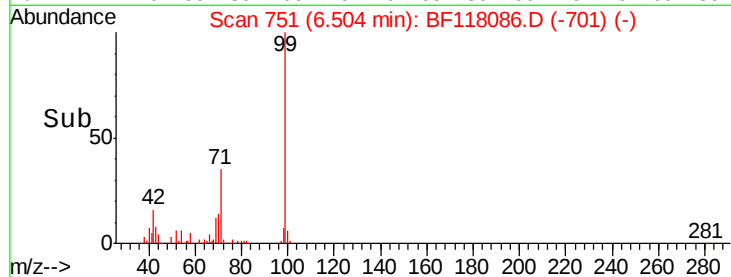
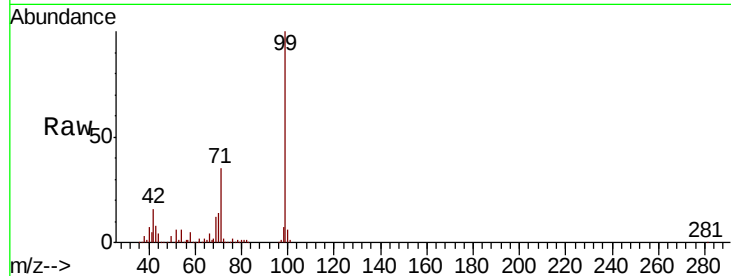
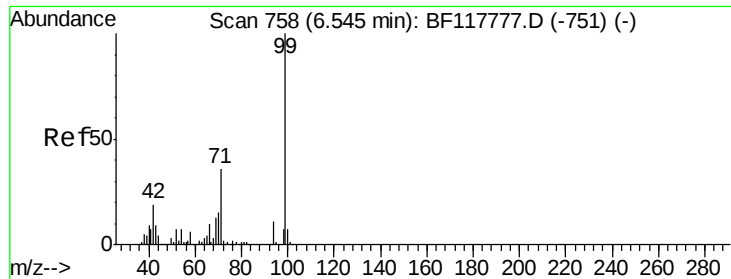
2-Fluorophenol
Concen: 121.105 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF118086.D
Acq: 4 Dec 2019 15:07

Tgt Ion:112 Resp: 922407
Ion Ratio Lower Upper
112 100
64 53.6 45.1 67.7
63 27.4 24.6 37.0



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: 62.883 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118086.D

Acq: 4 Dec 2019 15:07

Instrument :

BNA_F

ClientSampleId :

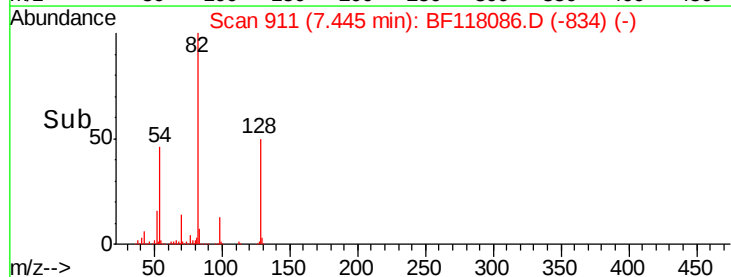
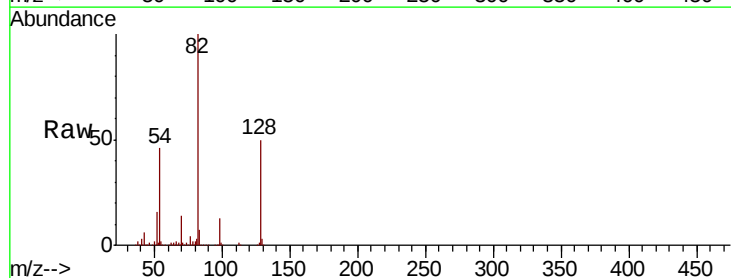
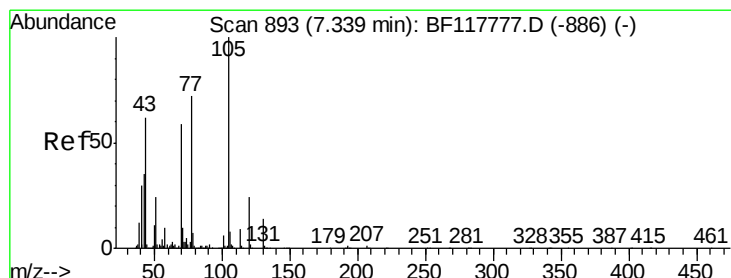
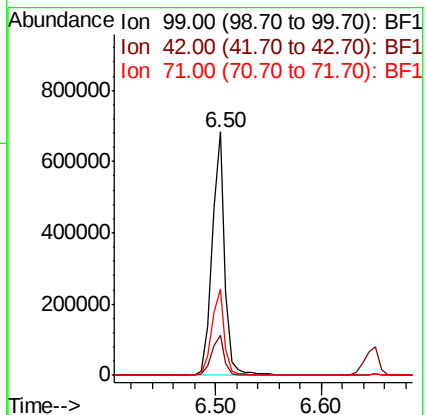
Tot Ion: 99 Resp: 577701

Ion Ratio Lower Upper

99 100

42 16.2 14.0 21.0

71 35.5 29.2 43.8



#19

n-Nitroso-di-n-propylamine

Concen: 21.371 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF118086.D

Acq: 4 Dec 2019 15:07

Tgt Ion: 70 Resp: 121124

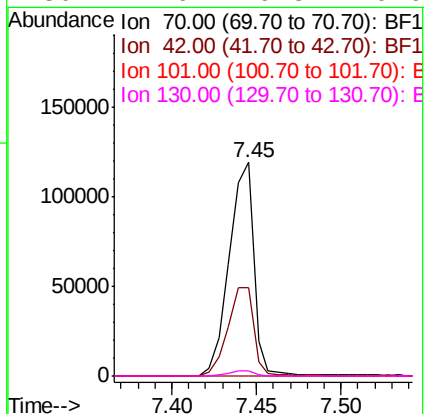
Ion Ratio Lower Upper

70 100

42 41.1 46.0 69.0#

101 0.0 8.8 13.2#

130 2.6 19.8 29.6#

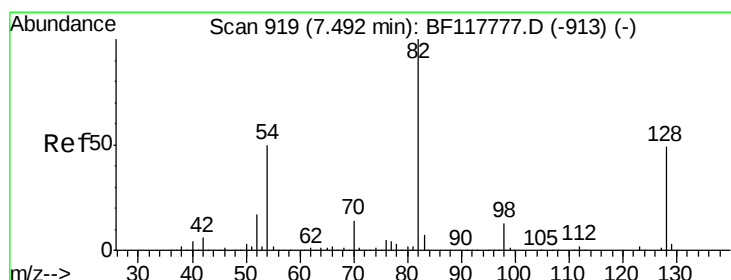
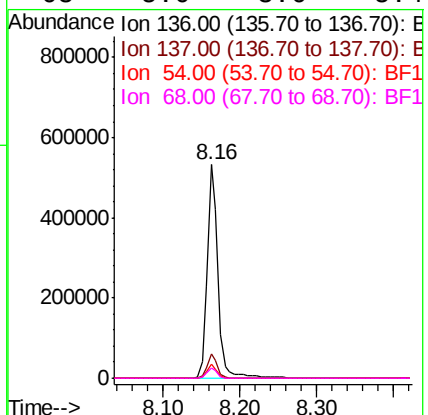
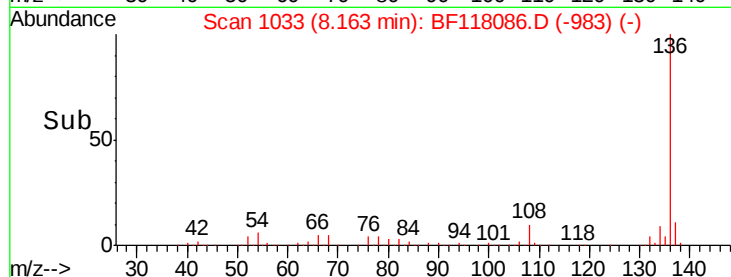
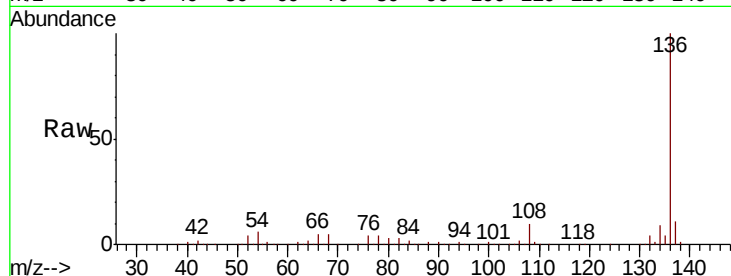




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118086.D
Acq: 4 Dec 2019 15:07

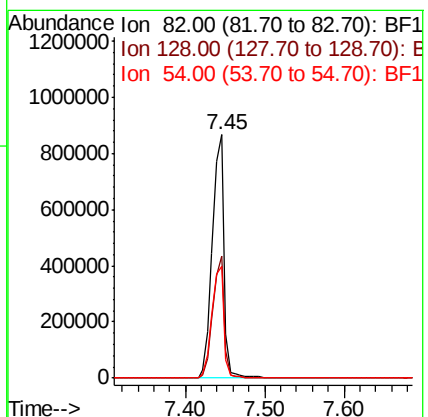
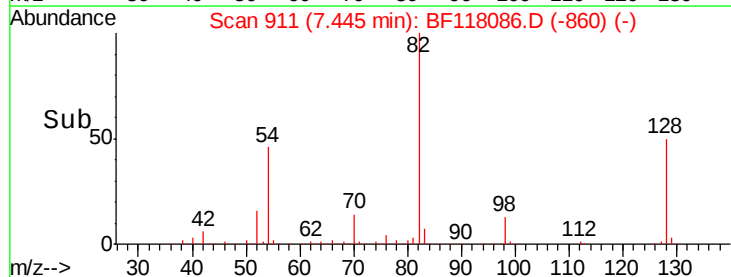
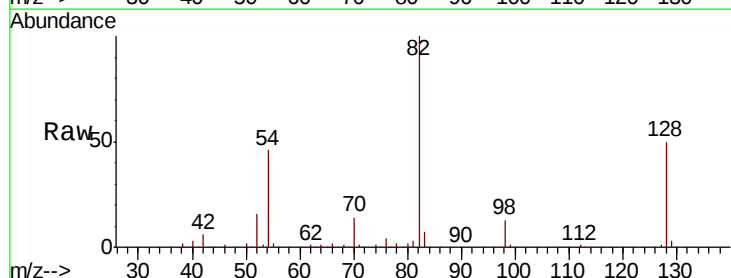
Instrument :
BNA_F
ClientSampleId :

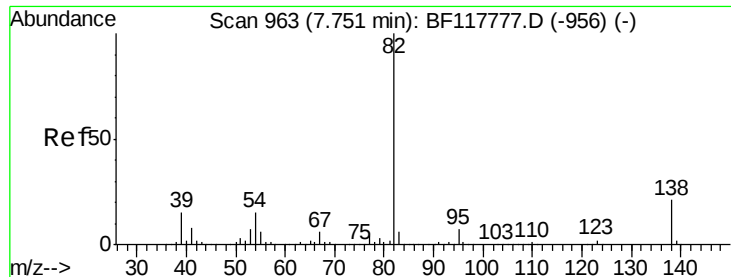
Tot Ion:136	Resp:	511331
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.1 13.7
54	6.5	4.9 7.3
68	5.0	3.6 5.4



#23
Nitrobenzene-d5
Concen: 104.049 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.00 min
Lab File: BF118086.D
Acq: 4 Dec 2019 15:07

Tgt Ion: 82	Resp:	894988
Ion Ratio	Lower	Upper
82	100	
128	50.2	38.2 57.4
54	46.1	39.0 58.4





#25

Isophorone

Concen: 56.768 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF118086.D

Acq: 4 Dec 2019 15:07

Instrument :

BNA_F

ClientSampleId :

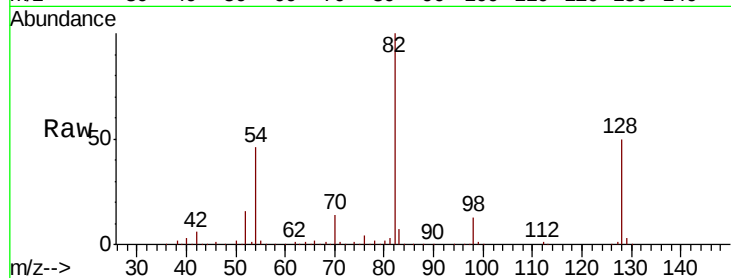
Tot Ion: 82 Resp: 894980

Ion Ratio Lower Upper

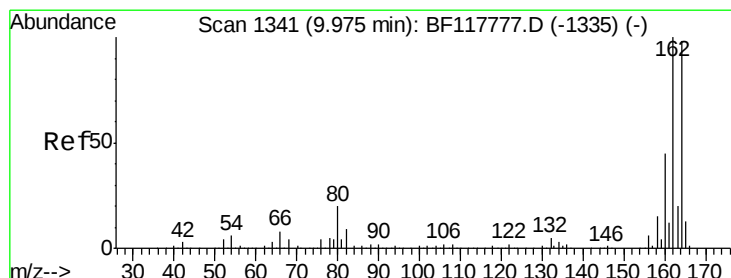
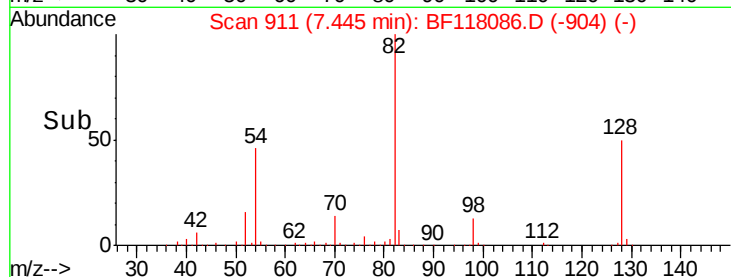
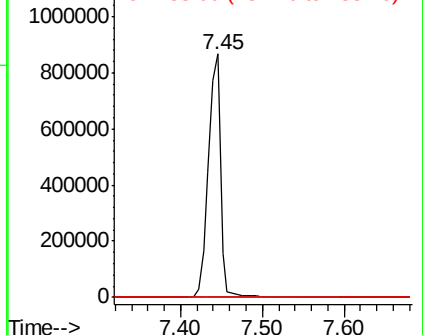
82 100

95 0.0 6.2 9.2#

138 0.0 15.9 23.9#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF118086.D

Acq: 4 Dec 2019 15:07

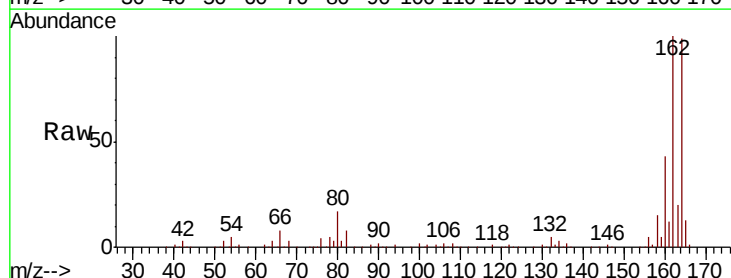
Tgt Ion: 164 Resp: 270079

Ion Ratio Lower Upper

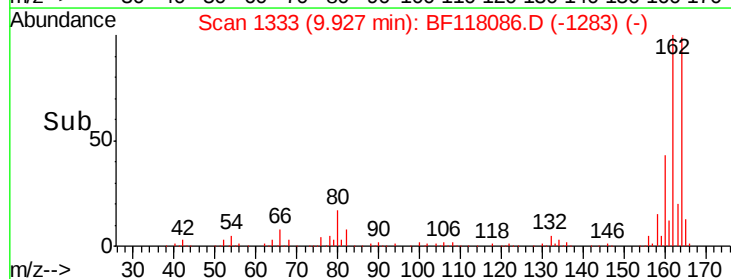
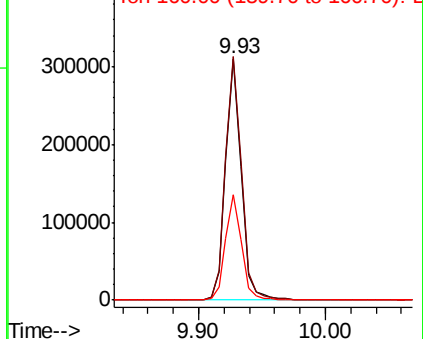
164 100

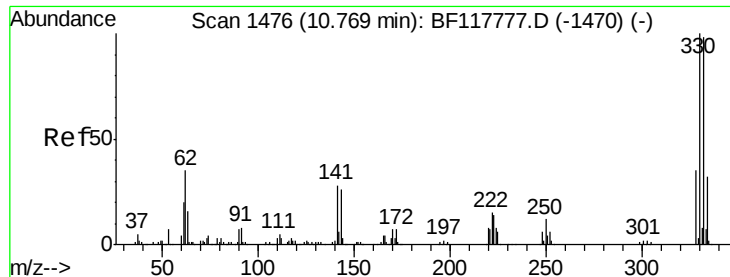
162 100.9 81.8 122.8

160 43.6 35.9 53.9



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: 169.307 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.01 min

Lab File: BF118086.D

Acq: 4 Dec 2019 15:07

Instrument :

BNA_F

ClientSampleId :

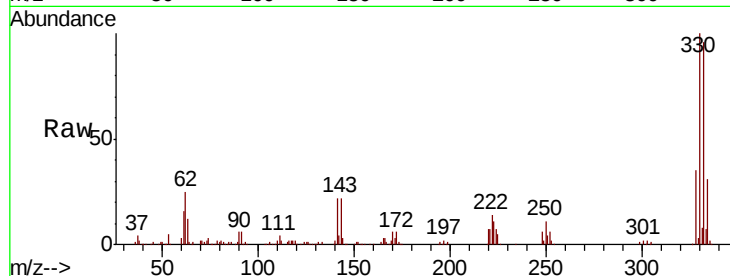
Tot Ion:330 Resp: 484098

Ion Ratio Lower Upper

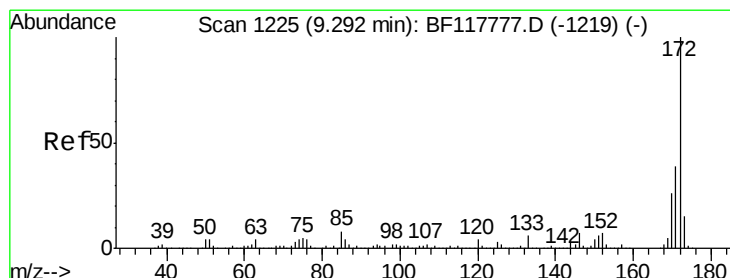
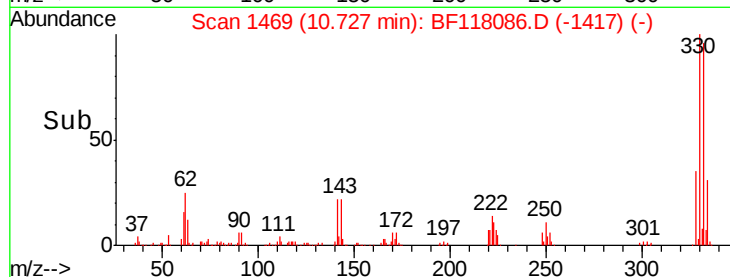
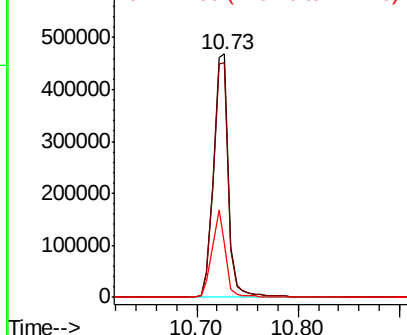
330 100

332 97.4 78.3 117.5

141 31.8 26.4 39.6



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: 114.821 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.00 min

Lab File: BF118086.D

Acq: 4 Dec 2019 15:07

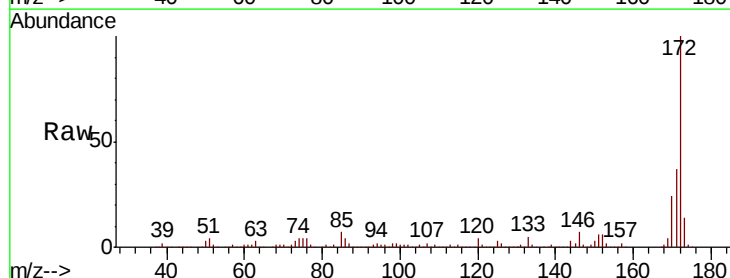
Tgt Ion:172 Resp: 1728549

Ion Ratio Lower Upper

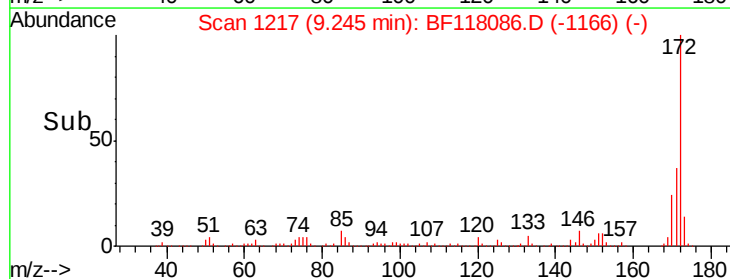
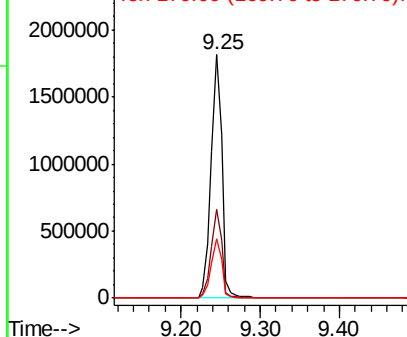
172 100

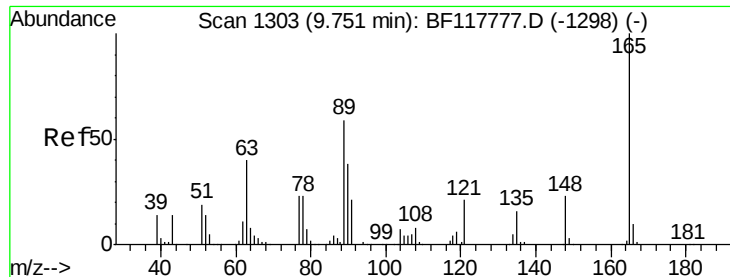
171 36.7 29.2 43.8

170 24.2 19.3 28.9



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

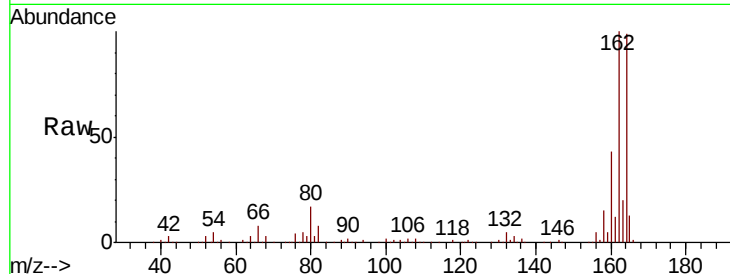




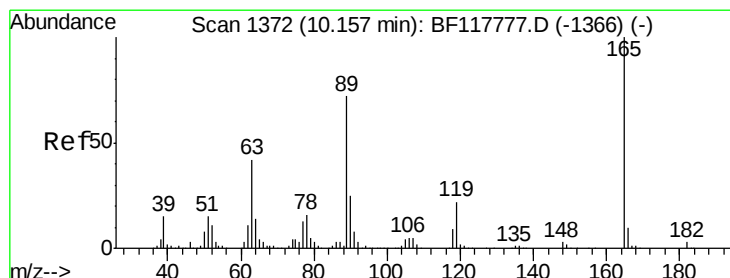
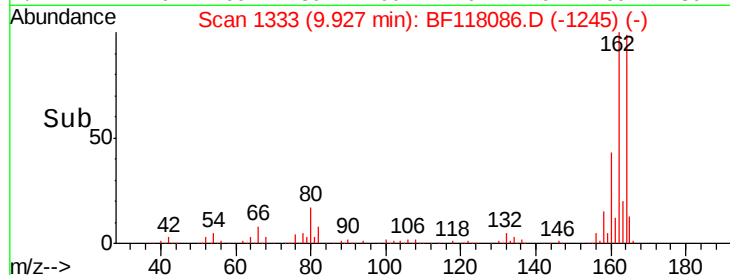
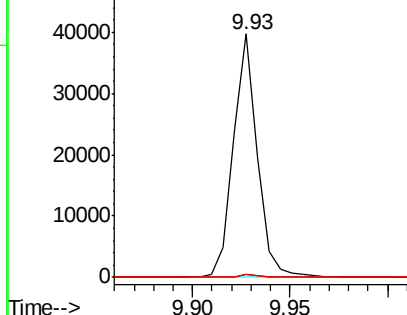
#51
 2,6-Dinitrotoluene
 Concen: 8.175 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. 0.22 min
 Lab File: BF118086.D
 Acq: 4 Dec 2019 15:07

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	43.9	65.9#
89	1.4	45.5	68.3#



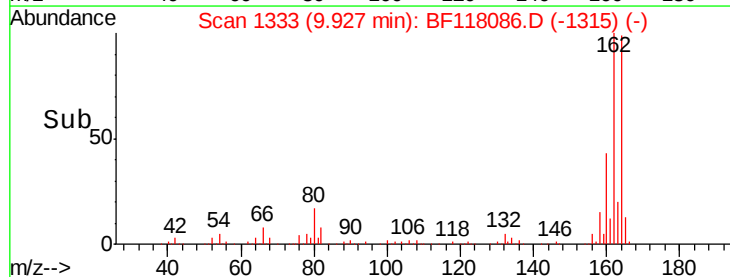
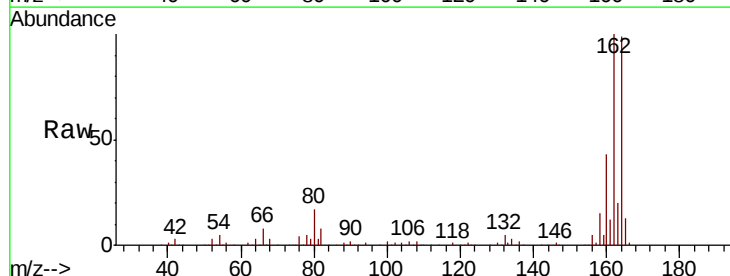
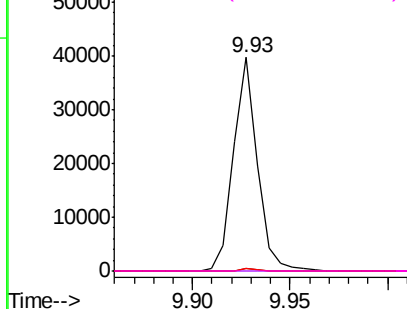
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

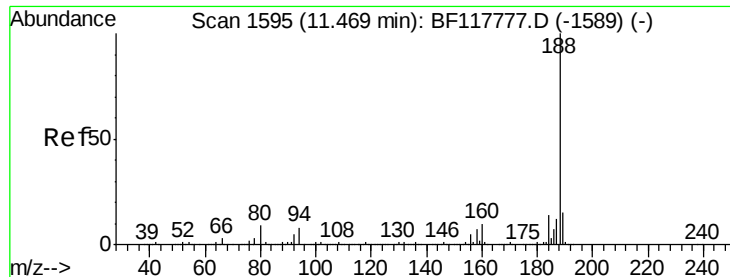


#57
 2,4-Dinitrotoluene
 Concen: 6.426 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF118086.D
 Acq: 4 Dec 2019 15:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	26.5	39.7#
89	1.4	47.2	70.8#
182	0.0	2.3	3.5#

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# 1587

Delta R.T. -0.00 min

Lab File: BF118086.D

Acq: 4 Dec 2019 15:07

Instrument :

BNA_F

ClientSampleId :

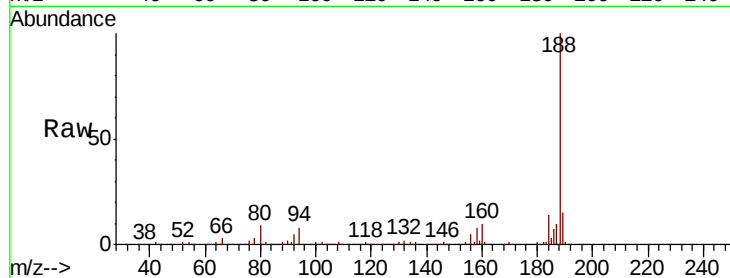
Tot Ion:188 Resp: 504444

Ion Ratio Lower Upper

188 100

94 8.5 7.0 10.6

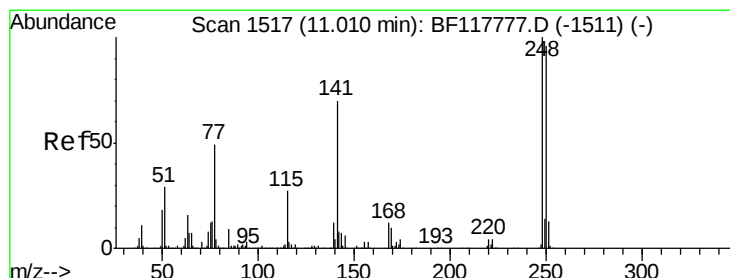
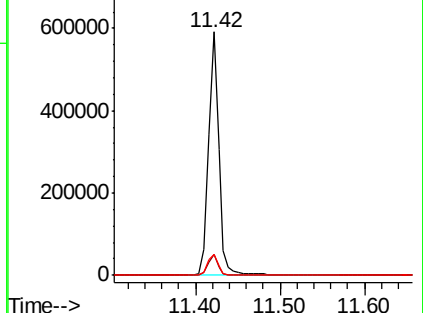
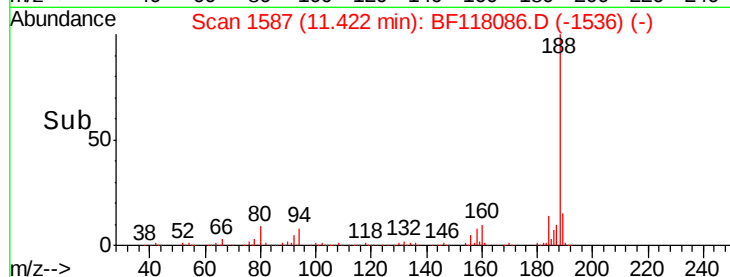
80 8.7 7.2 10.8



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



#67

4-Bromophenyl-phenylether

Concen: 5.554 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.24 min

Lab File: BF118086.D

Acq: 4 Dec 2019 15:07

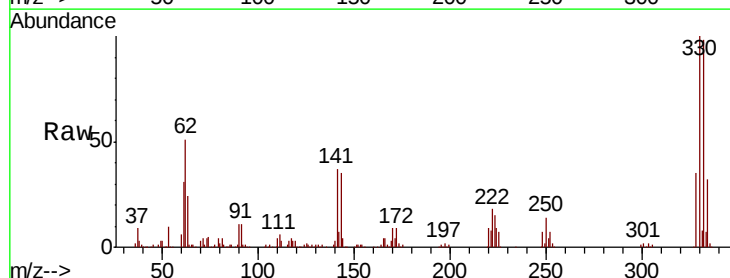
Tgt Ion:248 Resp: 30232

Ion Ratio Lower Upper

248 100

250 202.2 78.0 117.0#

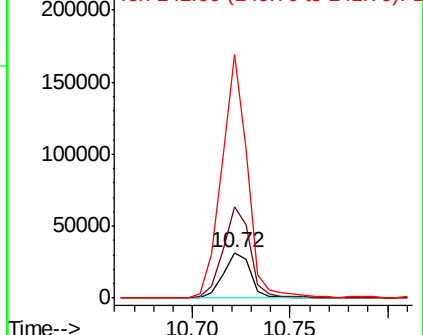
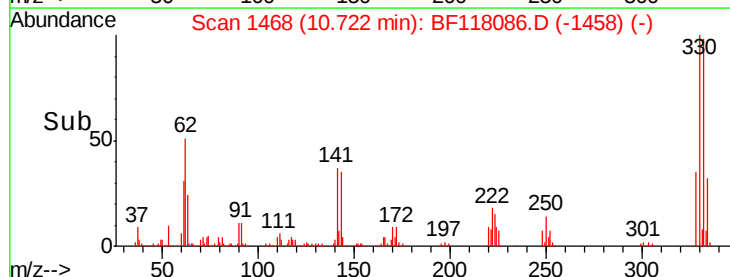
141 537.6 64.0 96.0#

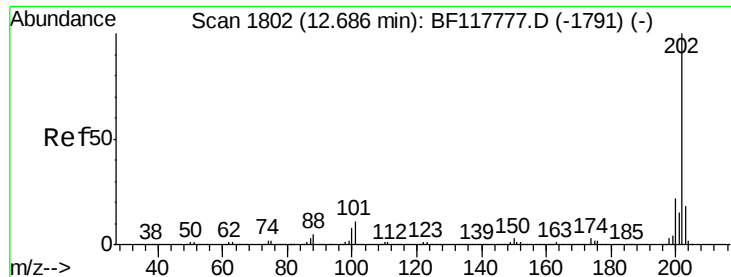


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

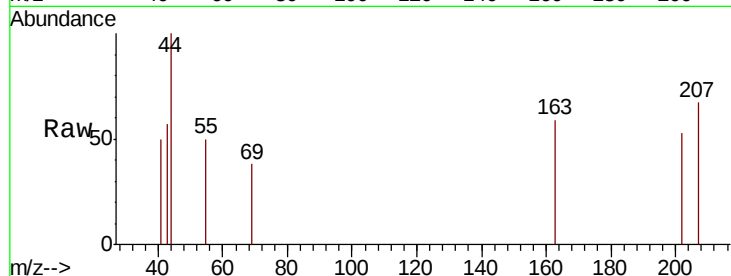




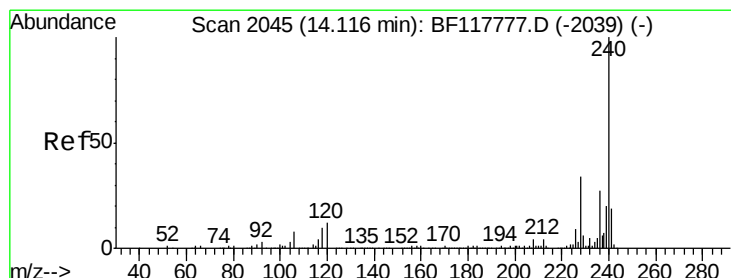
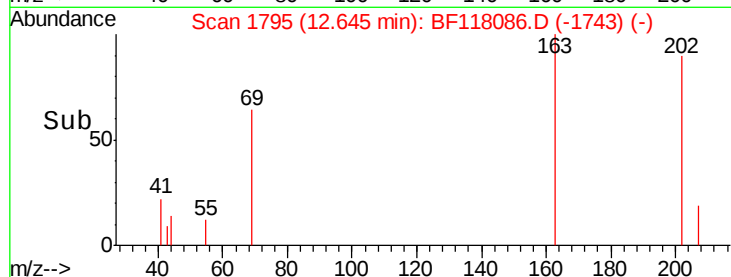
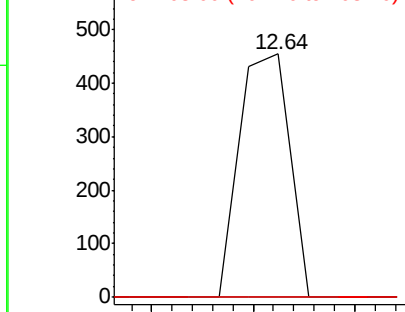
#75
Fluoranthene
Concen: Below Cal
RT: 12.64 min Scan# 1795
Delta R.T. 0.01 min
Lab File: BF118086.D
Acq: 4 Dec 2019 15:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	31.5
203	0.0	0.0	37.6

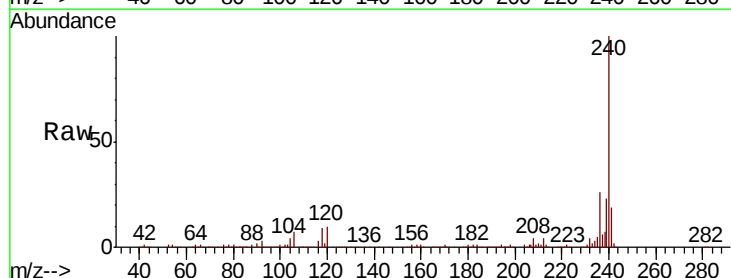


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

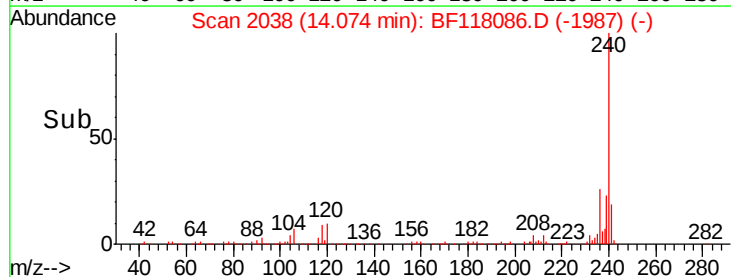
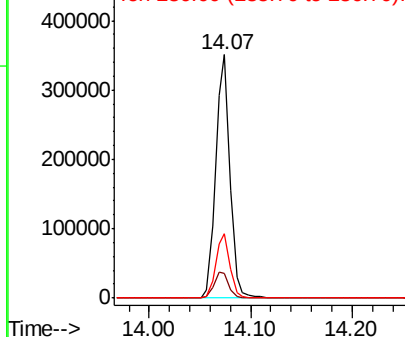


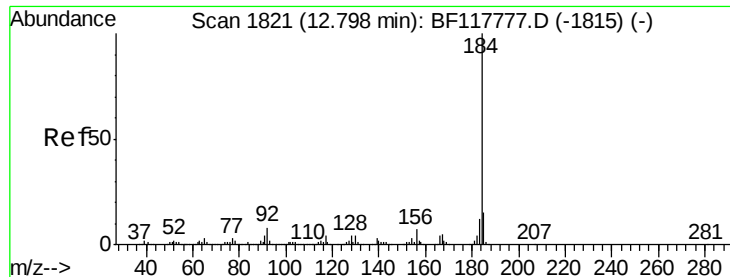
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BF118086.D
Acq: 4 Dec 2019 15:07

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.4	12.6
236	26.4	20.6	31.0



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: 2.436 ng

RT: 13.02 min Scan# 1858

Delta R.T. 0.26 min

Lab File: BF118086.D

Acq: 4 Dec 2019 15:07

Instrument :

BNA_F

ClientSampleId :

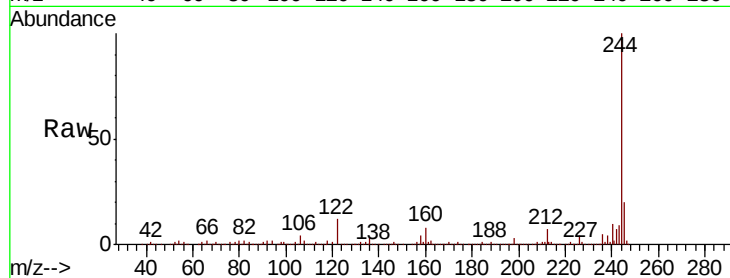
Tot Ion:184 Resp: 27309

Ion Ratio Lower Upper

184 100

185 16.3 11.6 17.4

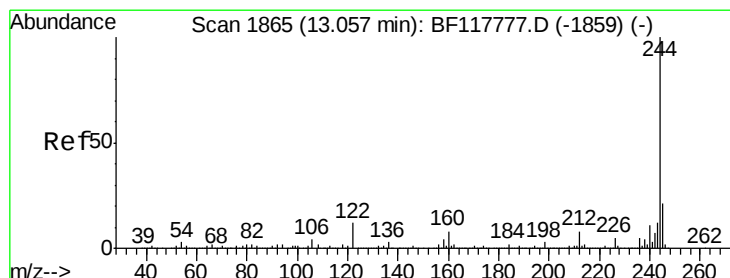
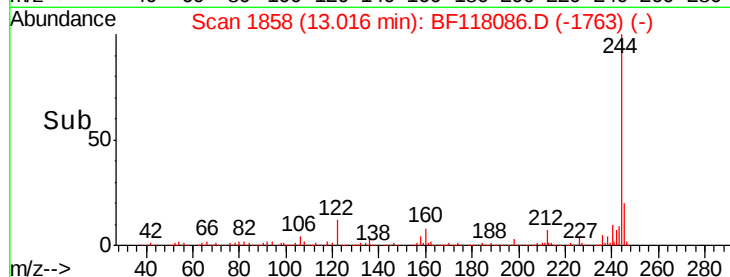
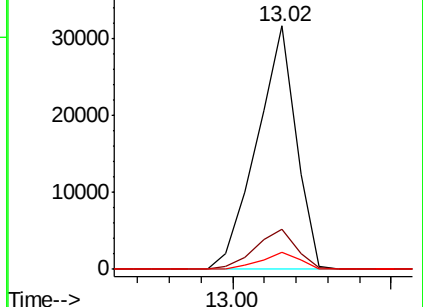
183 7.0 9.7 14.5#



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: 109.842 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.00 min

Lab File: BF118086.D

Acq: 4 Dec 2019 15:07

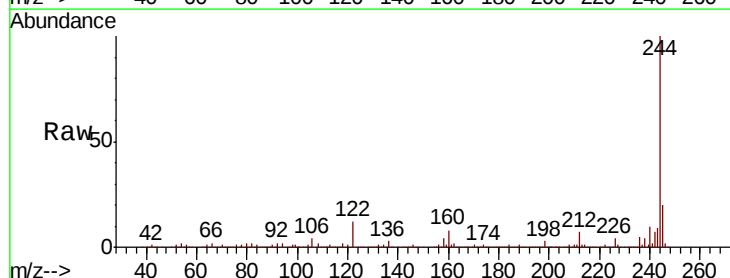
Tgt Ion:244 Resp: 2057131

Ion Ratio Lower Upper

244 100

212 7.2 5.2 7.8

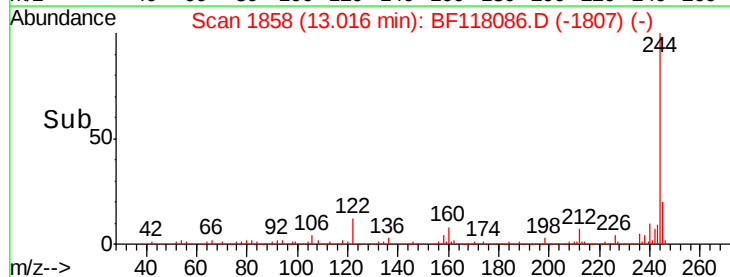
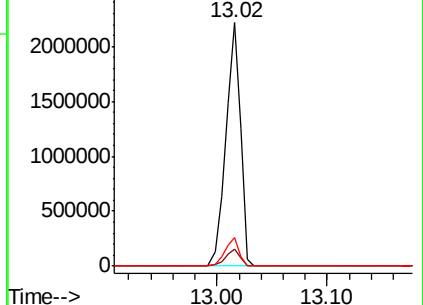
122 11.6 7.2 10.8#

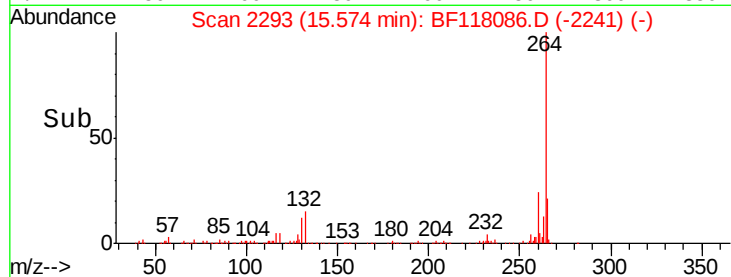
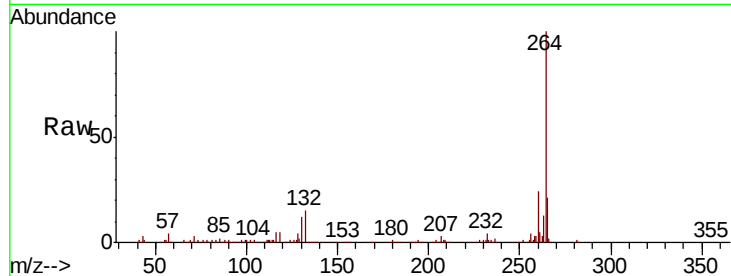
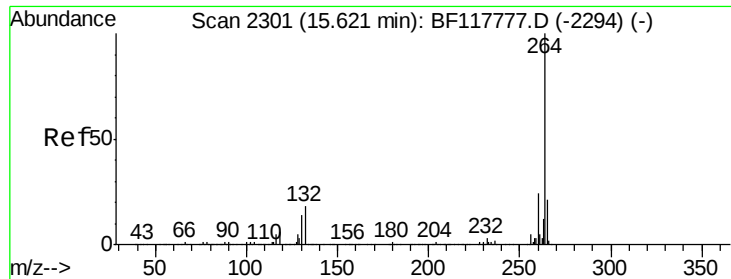


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2293
 Delta R.T. 0.01 min
 Lab File: BF118086.D
 Acq: 4 Dec 2019 15:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.6
265	20.9	16.4	24.6

