

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062920\
 Data File : BF120735.D
 Acq On : 29 Jun 2020 18:49
 Operator : JU/CG
 Sample : L2806-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-062620

Quant Time: Jun 30 00:31:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 29 15:30:14 2020
 Response via : Initial Calibration

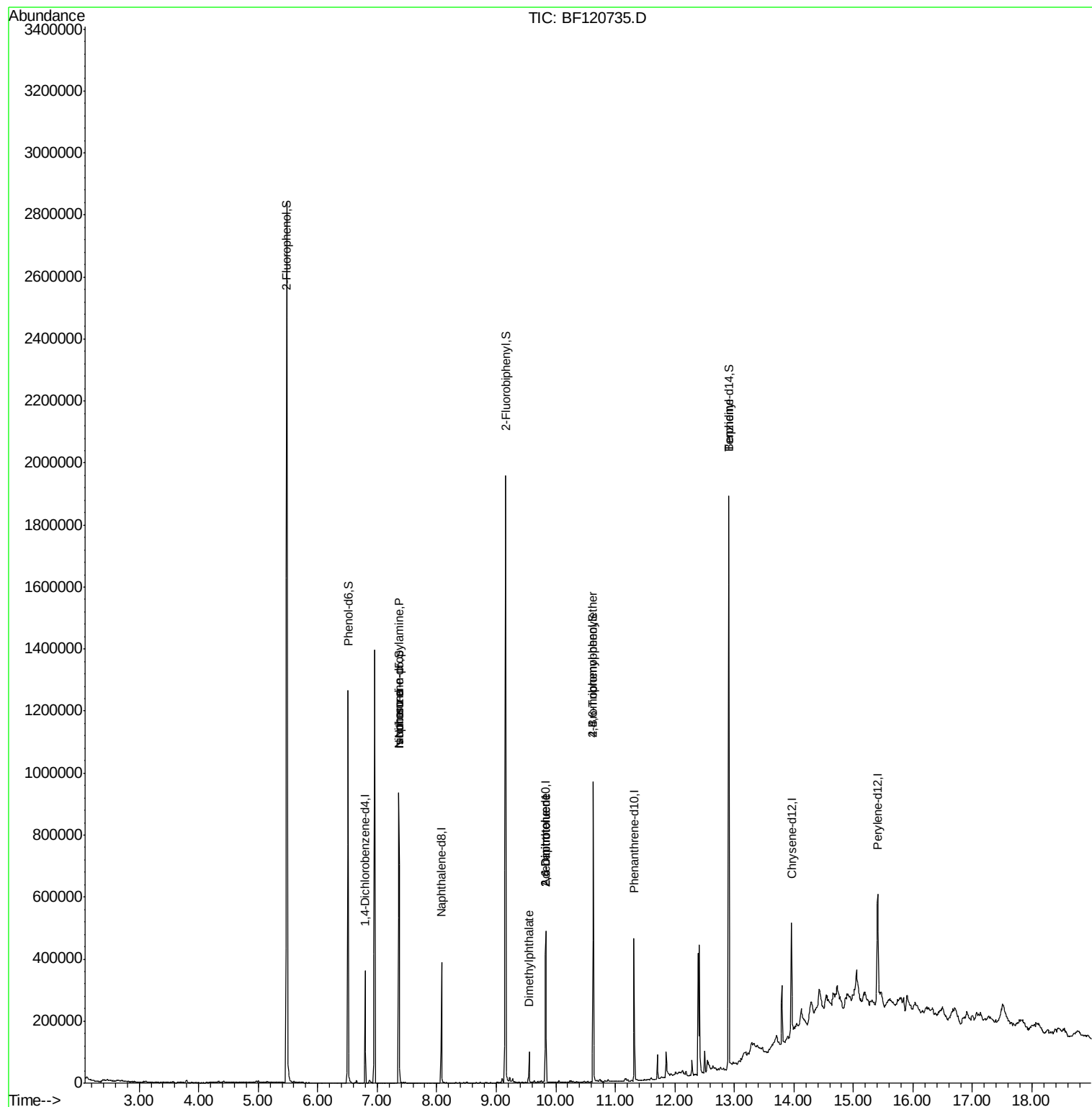
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	51959	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	183604	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	97434	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	182190	20.00	ng	0.00
76) Chrysene-d12	13.96	240	130960	20.00	ng	0.00
86) Perylene-d12	15.41	264	147614	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	872302	287.83	ng	0.08
7) Phenol-d6	6.51	99	458647	121.51	ng	0.08
23) Nitrobenzene-d5	7.36	82	302184	92.00	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	121807	107.53	ng	0.02
45) 2-Fluorobiphenyl	9.16	172	626110	98.32	ng	0.00
79) Terphenyl-d14	12.91	244	654678	110.42	ng	0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	40008	18.272	ng	# 78
25) Isophorone	7.36	82	302180	47.227	ng	# 62
50) Dimethylphthalate	9.55	163	38602	5.501	ng	99
51) 2,6-Dinitrotoluene	9.83	165	12136	7.631	ng	# 29
57) 2,4-Dinitrotoluene	9.83	165	12136	5.751	ng	# 28
67) 4-Bromophenyl-phenylether	10.63	248	7004	3.387	ng	# 1
77) Benzidine	12.91	184	8866	2.002	ng	99

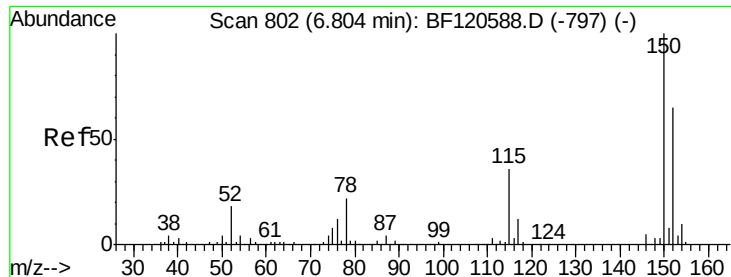
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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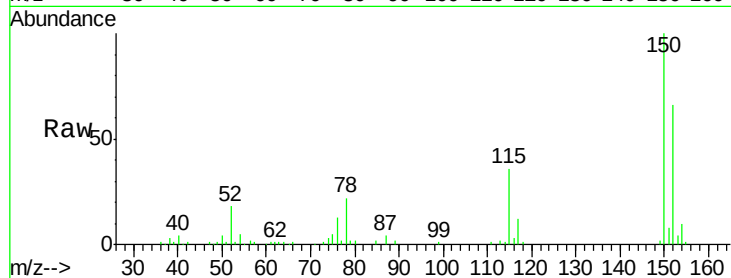


#1

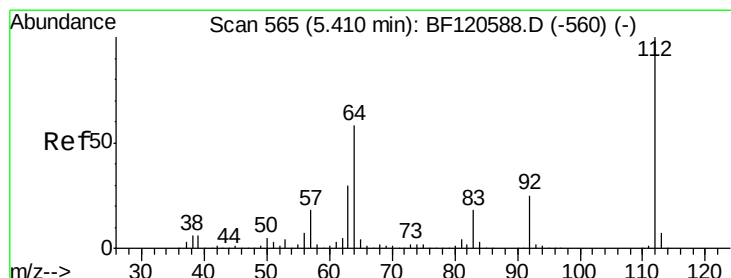
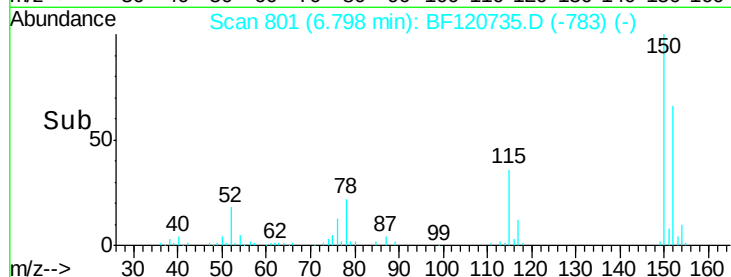
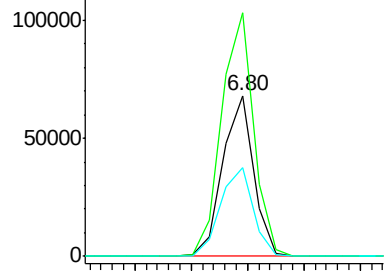
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF120735.D
Acq: 29 Jun 2020 18:49

Instrument :
BNA_F
ClientSampleId :
AU-06-062620

Tot Ion:152 Resp: 51959
Ion Ratio Lower Upper
152 100
150 151.2 124.6 187.0
115 55.2 44.2 66.4



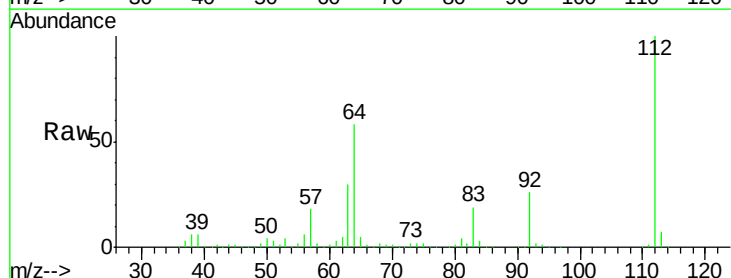
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



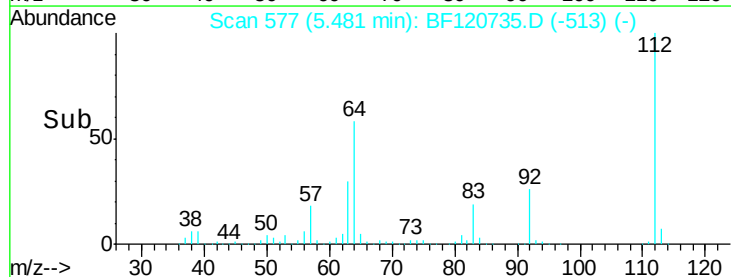
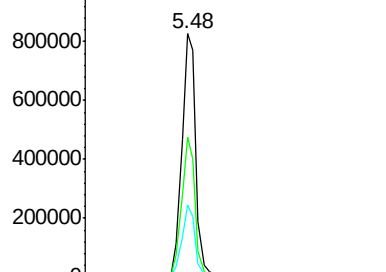
#5

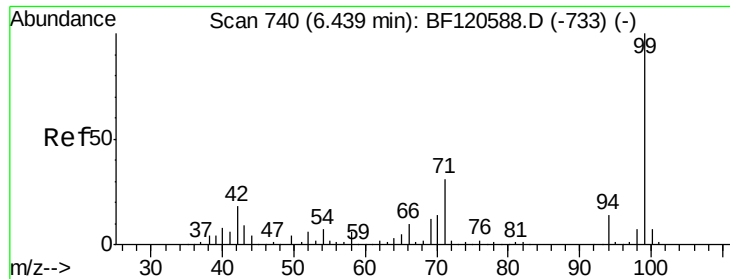
2-Fluorophenol
Concen: 287.827 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.08 min
Lab File: BF120735.D
Acq: 29 Jun 2020 18:49

Tgt Ion:112 Resp: 872302
Ion Ratio Lower Upper
112 100
64 57.7 42.2 63.2
63 29.8 21.7 32.5



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: 121.507 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.08 min

Lab File: BF120735.D

Acq: 29 Jun 2020 18:49

Instrument :

BNA_F

ClientSampleId :

AU-06-062620

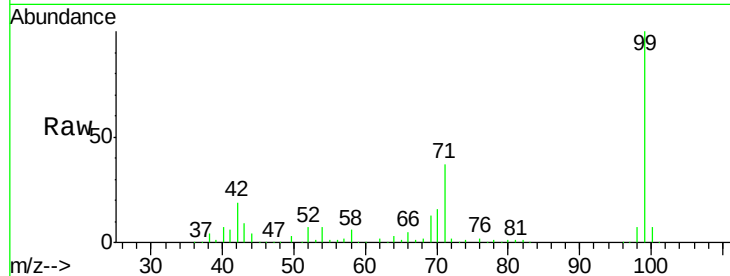
Tot Ion: 99 Resp: 458647

Ion Ratio Lower Upper

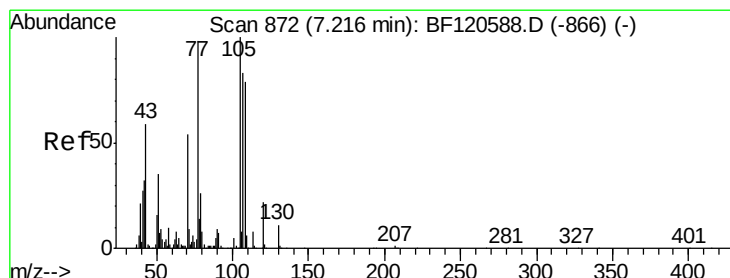
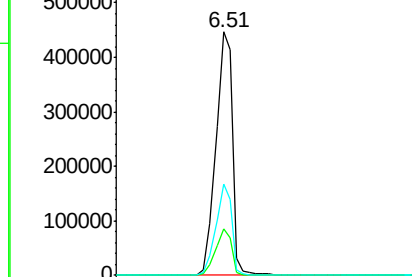
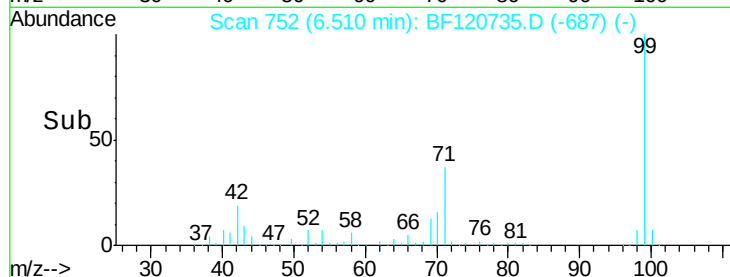
99 100

42 19.1 14.2 21.4

71 37.3 25.4 38.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 18.272 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.16 min

Lab File: BF120735.D

Acq: 29 Jun 2020 18:49

Tgt Ion: 70 Resp: 40008

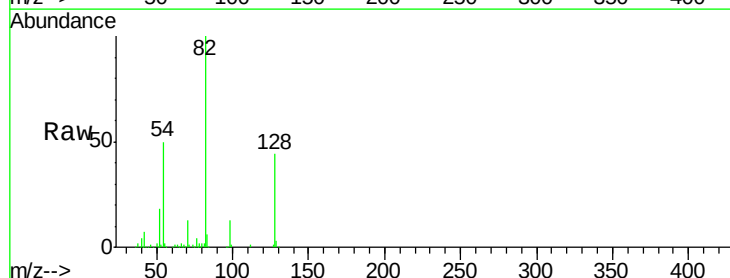
Ion Ratio Lower Upper

70 100

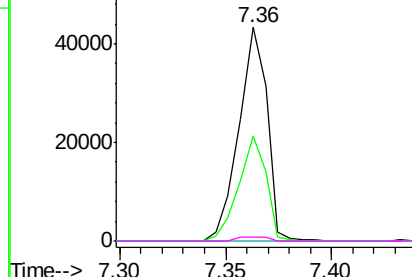
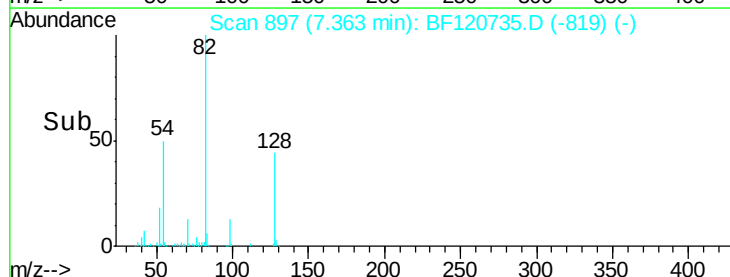
42 49.2 47.6 71.4

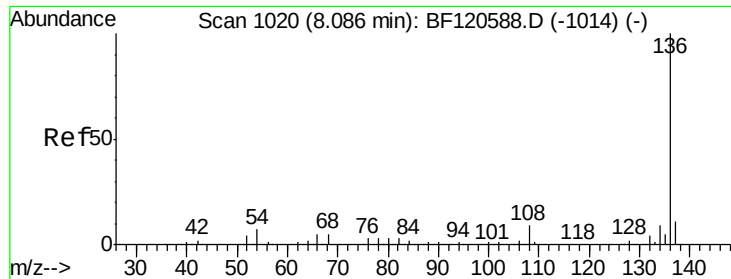
101 0.0 7.6 11.4#

130 2.1 17.4 26.2#



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): BF1
Ion 130.00 (129.70 to 130.70): BF1

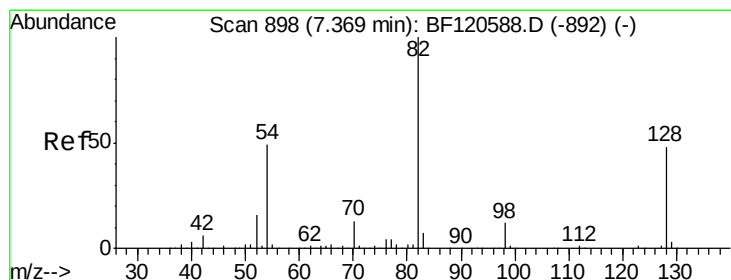
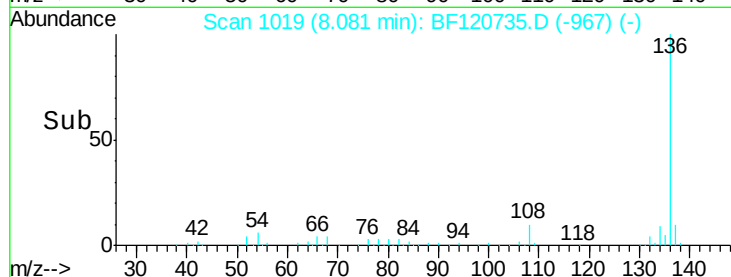
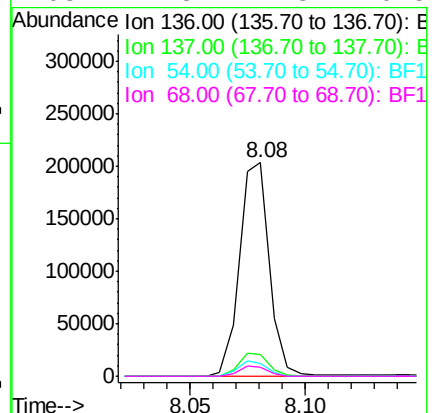
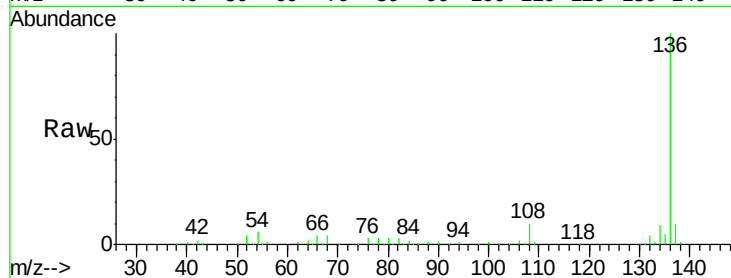




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. 0.01 min
Lab File: BF120735.D
Acq: 29 Jun 2020 18:49

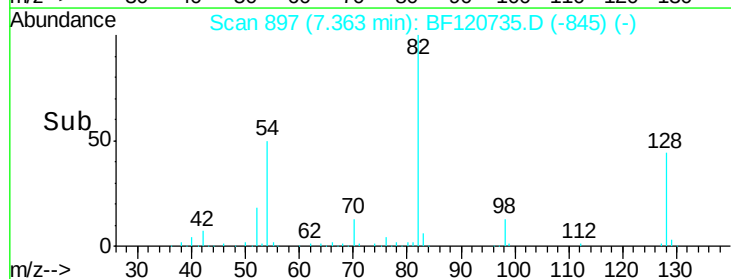
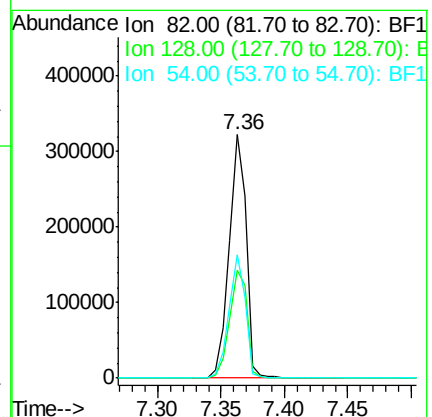
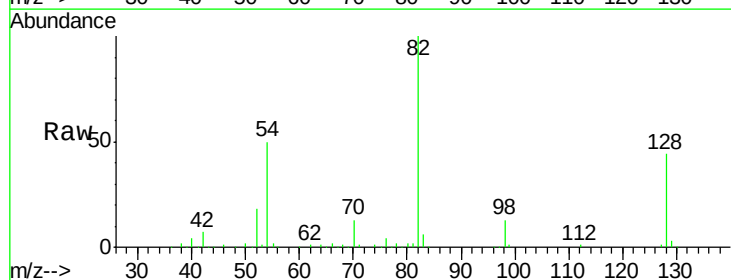
Instrument :
BNA_F
ClientSampleId :
AU-06-062620

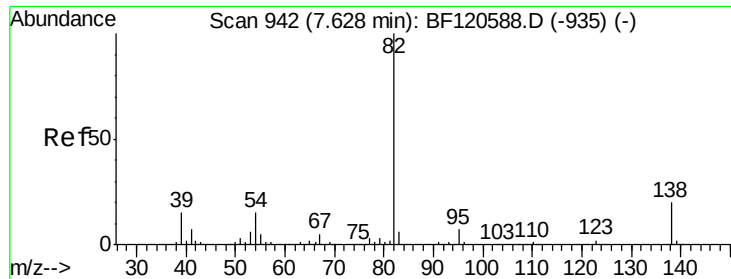
Tot Ion:136	Resp:	183604
Ion Ratio	Lower	Upper
136	100	
137	10.5	8.6 12.8
54	6.0	5.3 7.9
68	4.3	4.3 6.5#



#23
Nitrobenzene-d5
Concen: 91.997 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.01 min
Lab File: BF120735.D
Acq: 29 Jun 2020 18:49

Tgt Ion: 82	Resp:	302184
Ion Ratio	Lower	Upper
82	100	
128	44.3	38.1 57.1
54	50.5	38.8 58.2





#25

Isophorone

Concen: 47.227 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.25 min

Lab File: BF120735.D

Acq: 29 Jun 2020 18:49

Instrument :

BNA_F

ClientSampleId :

AU-06-062620

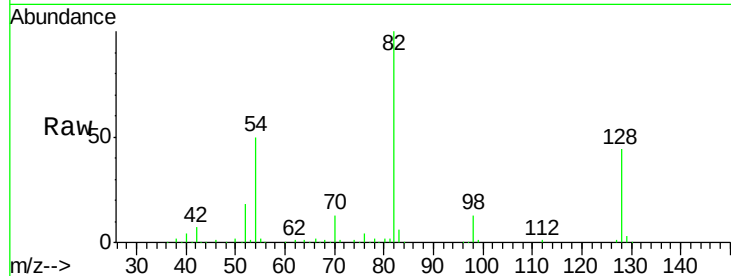
Tot Ion: 82 Resp: 302180

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

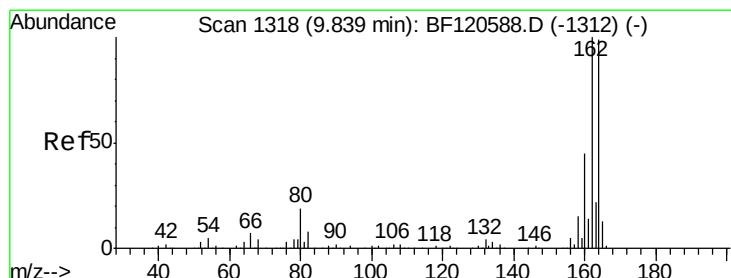
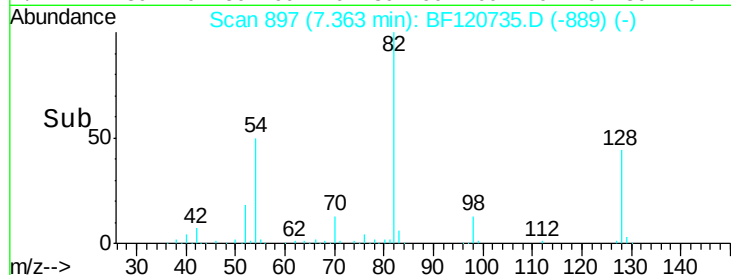
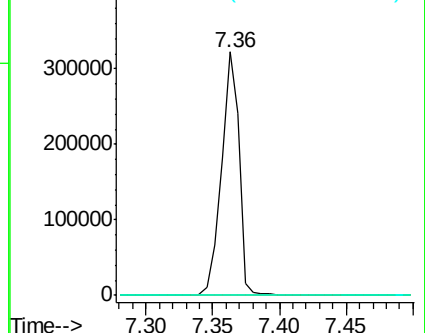
138 0.0 16.1 24.1#



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: 9.83 min Scan# 1317

Delta R.T. 0.01 min

Lab File: BF120735.D

Acq: 29 Jun 2020 18:49

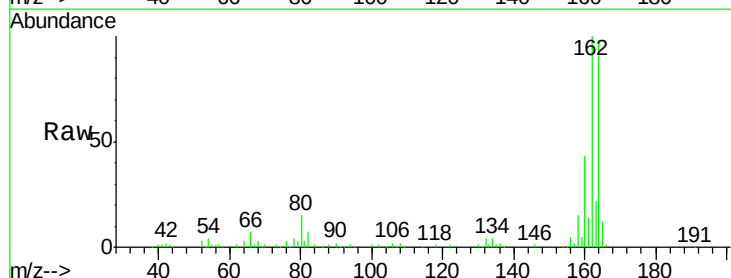
Tgt Ion:164 Resp: 97434

Ion Ratio Lower Upper

164 100

162 101.8 81.4 122.0

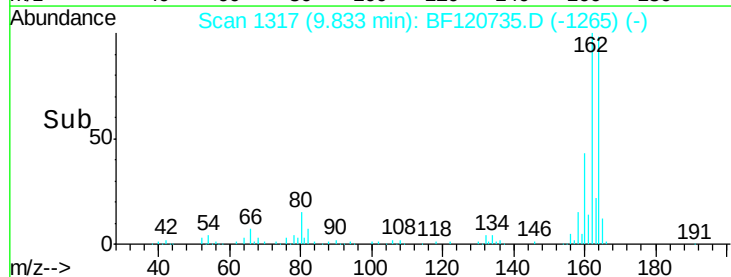
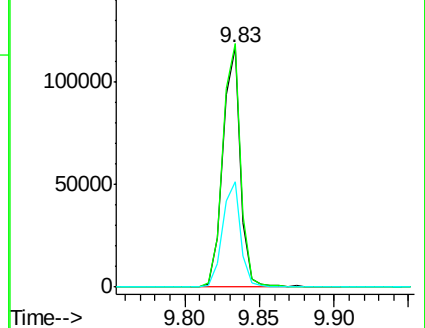
160 44.2 36.6 55.0

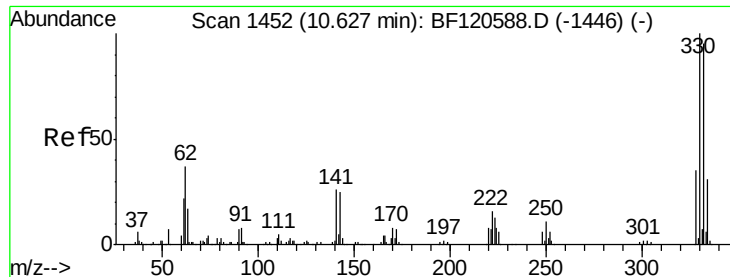


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 107.527 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.02 min

Lab File: BF120735.D

Acq: 29 Jun 2020 18:49

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AU-06-062620

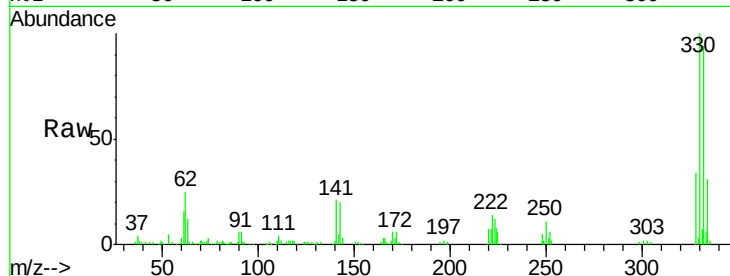
Tot Ion:330 Resp: 121807

Ion Ratio Lower Upper

330 100

332 95.3 76.4 114.6

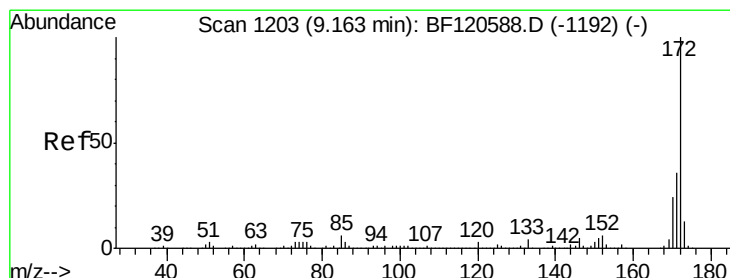
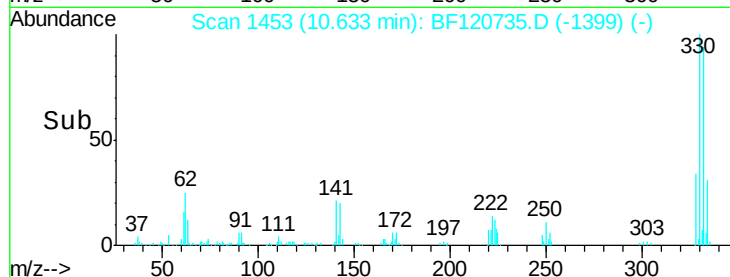
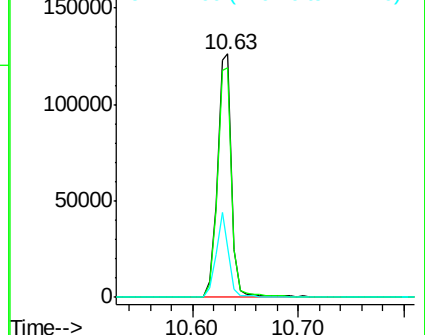
141 30.4 23.0 34.6



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: 98.317 ng

RT: 9.16 min Scan# 1202

Delta R.T. 0.01 min

Lab File: BF120735.D

Acq: 29 Jun 2020 18:49

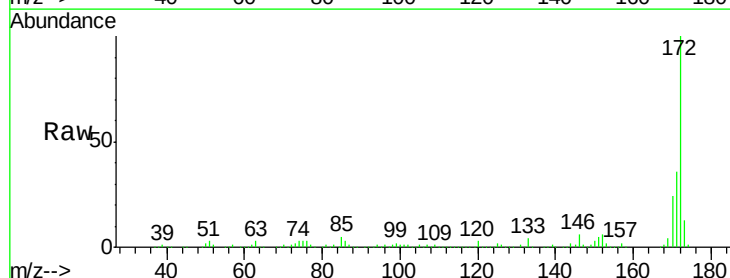
Tgt Ion:172 Resp: 626110

Ion Ratio Lower Upper

172 100

171 35.7 28.6 43.0

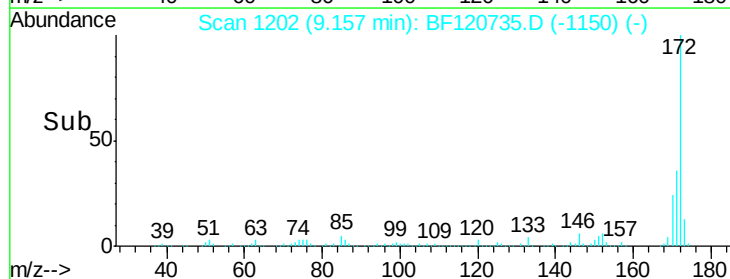
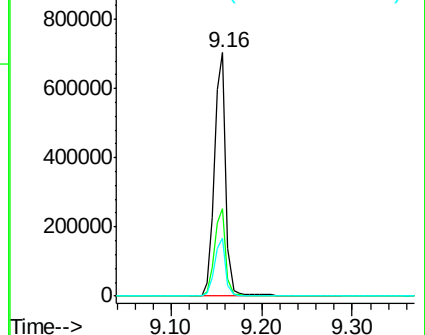
170 23.8 19.1 28.7

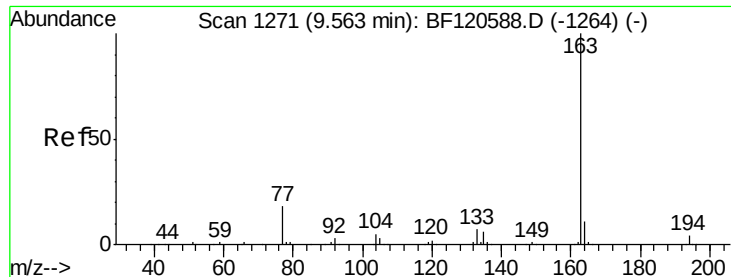


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 5.501 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.00 min

Lab File: BF120735.D

Acq: 29 Jun 2020 18:49

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AU-06-062620

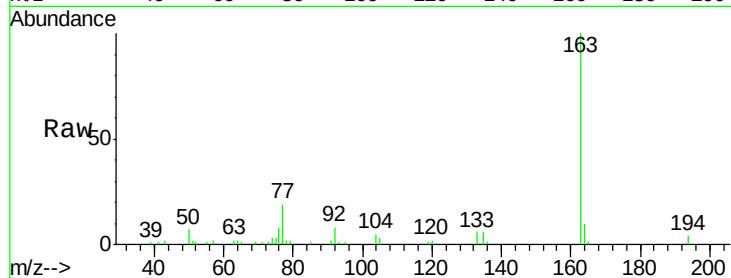
Tot Ion:163 Resp: 38602

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.6

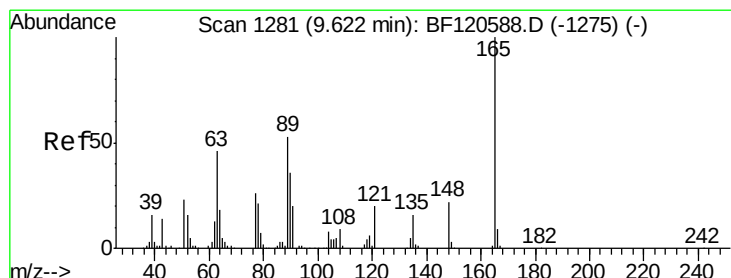
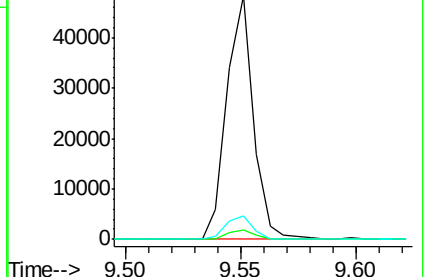
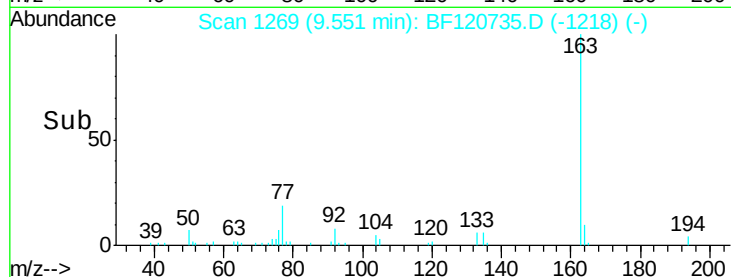
164 9.7 8.2 12.2



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



#51

2,6-Dinitrotoluene

Concen: 7.631 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.22 min

Lab File: BF120735.D

Acq: 29 Jun 2020 18:49

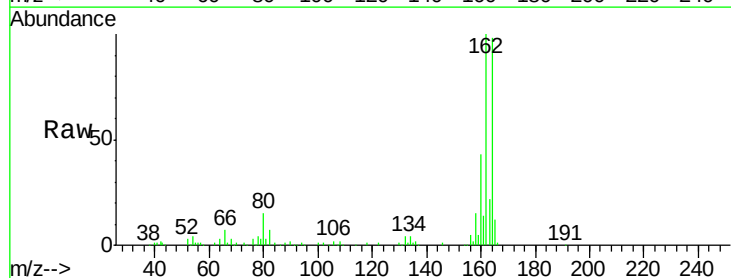
Tgt Ion:165 Resp: 12136

Ion Ratio Lower Upper

165 100

63 0.0 36.8 55.2#

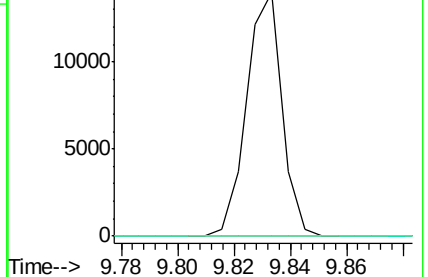
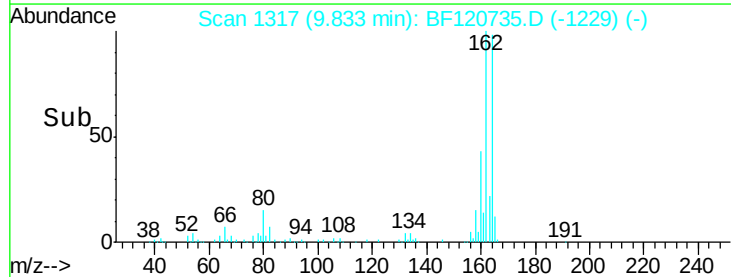
89 0.0 39.4 59.0#

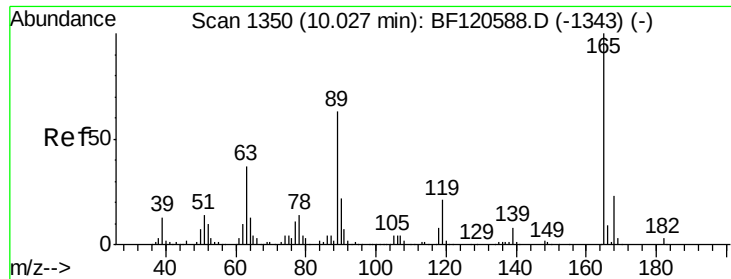


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#57

2,4-Dinitrotoluene

Concen: 5.751 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.19 min

Lab File: BF120735.D

Acq: 29 Jun 2020 18:49

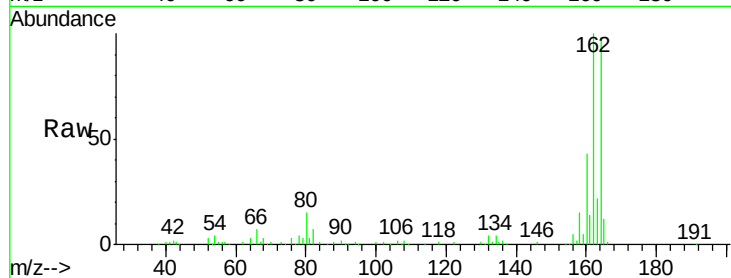
Instrument :

BNA_F

ClientSampleId :

AU-06-062620

Tot Ion:165	Resp:	12136
Ion Ratio	Lower	Upper
165	100	
63	0.0	30.1 45.1#
89	0.0	49.2 73.8#
182	0.0	2.0 3.0#

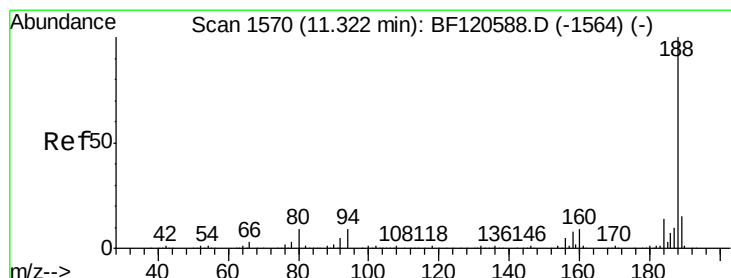
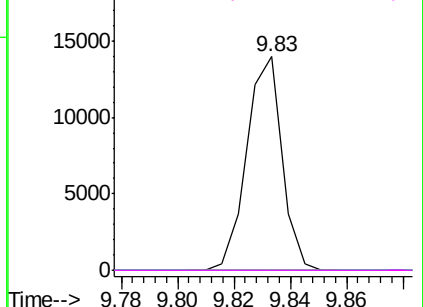
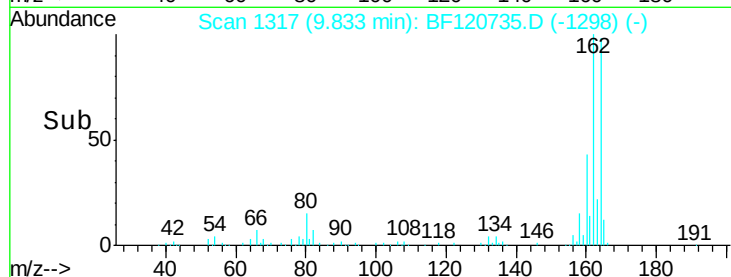


Abundance Ion 165.00 (164.70 to 165.70): E

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

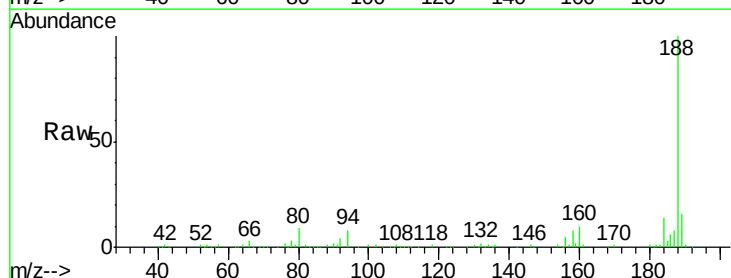
RT: 11.32 min Scan# 1569

Delta R.T. 0.01 min

Lab File: BF120735.D

Acq: 29 Jun 2020 18:49

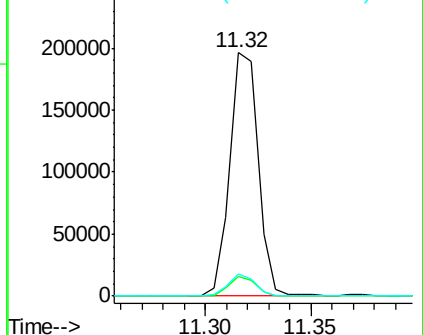
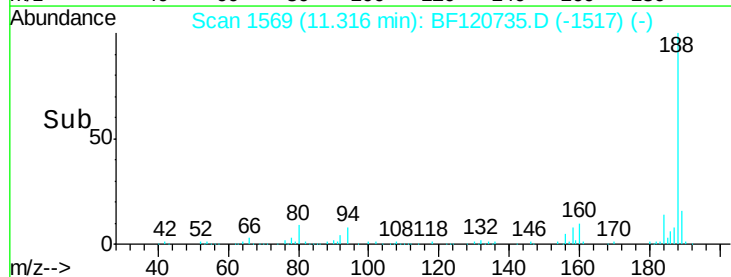
Tgt Ion:188	Resp:	182190
Ion Ratio	Lower	Upper
188	100	
94	8.3	7.5 11.3
80	8.9	7.7 11.5

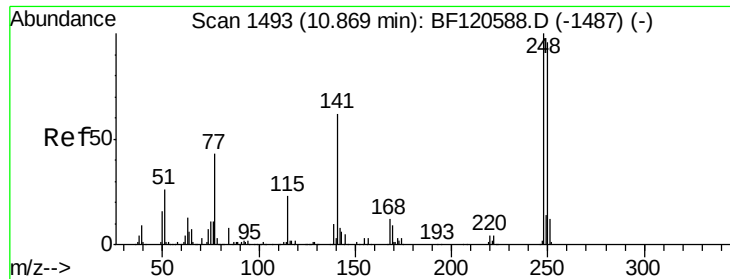


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

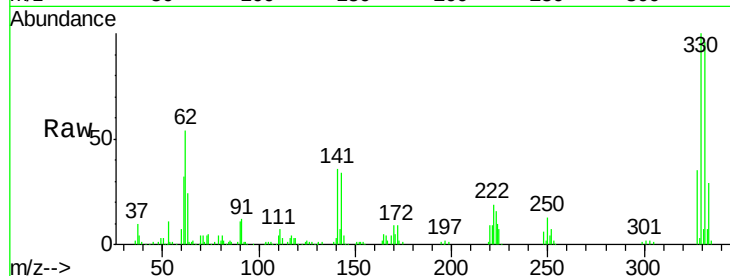




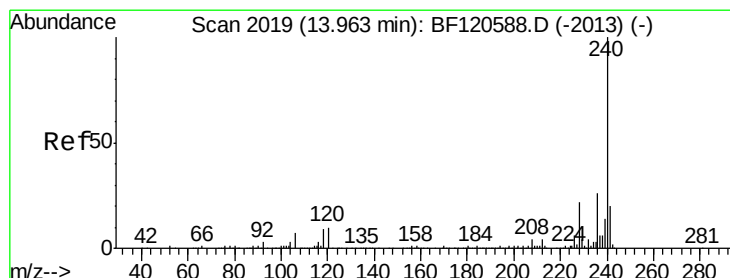
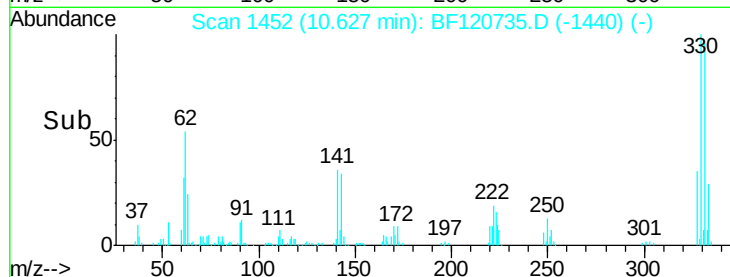
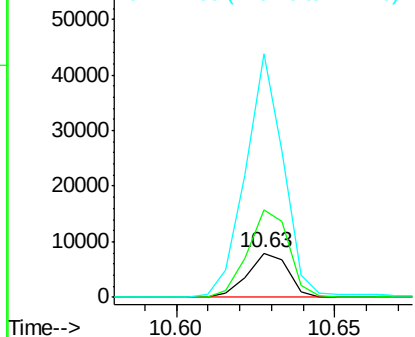
#67
 4-Bromophenyl-phenylether
 Concen: 3.387 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.23 min
 Lab File: BF120735.D
 Acq: 29 Jun 2020 18:49

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-062620

Tot Ion:248 Resp: 7004
 Ion Ratio Lower Upper
 248 100
 250 197.5 77.8 116.6#
 141 550.7 52.0 78.0#

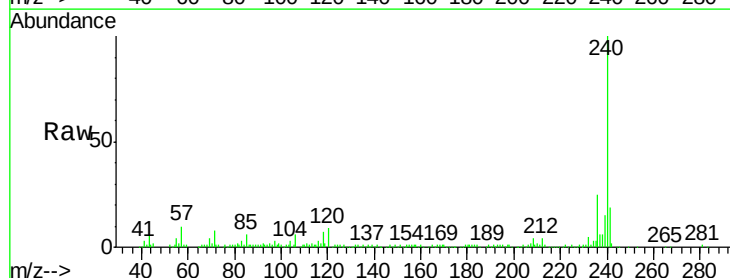


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

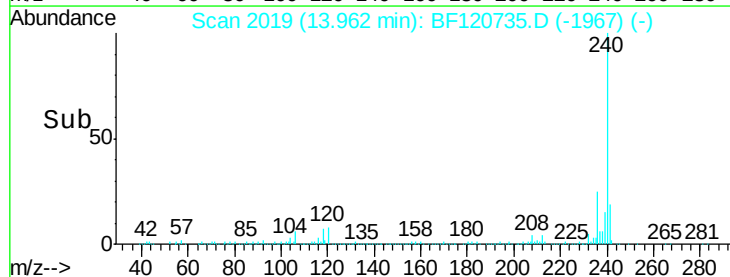
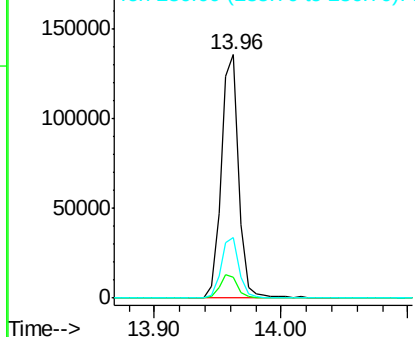


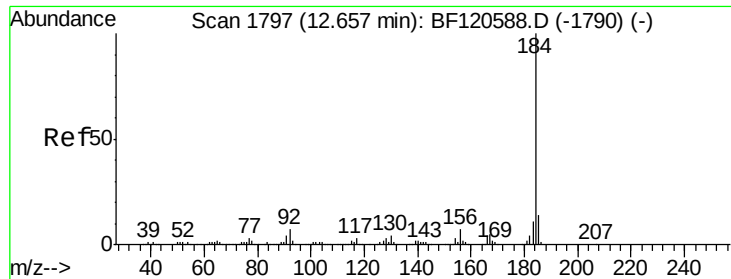
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.01 min
 Lab File: BF120735.D
 Acq: 29 Jun 2020 18:49

Tgt Ion:240 Resp: 130960
 Ion Ratio Lower Upper
 240 100
 120 8.7 7.6 11.4
 236 24.8 21.0 31.4



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: 2.002 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.26 min

Lab File: BF120735.D

Acq: 29 Jun 2020 18:49

Instrument :

BNA_F

ClientSampleId :

AU-06-062620

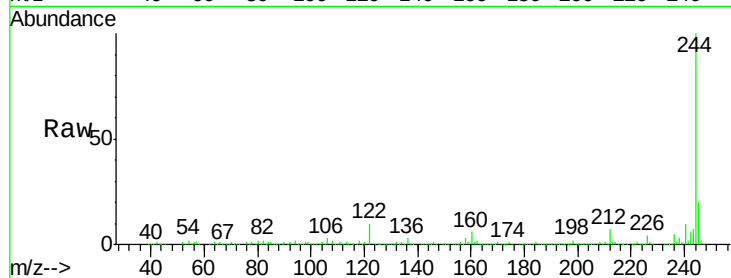
Tot Ion:184 Resp: 8866

Ion Ratio Lower Upper

184 100

185 15.1 11.9 17.9

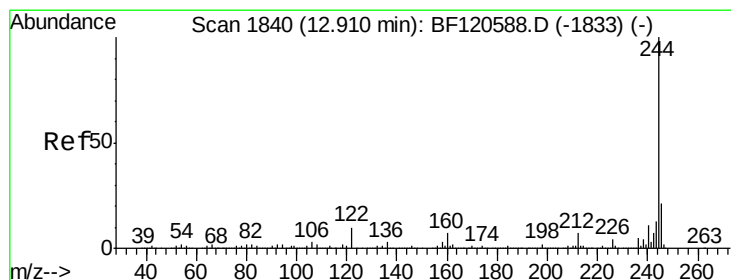
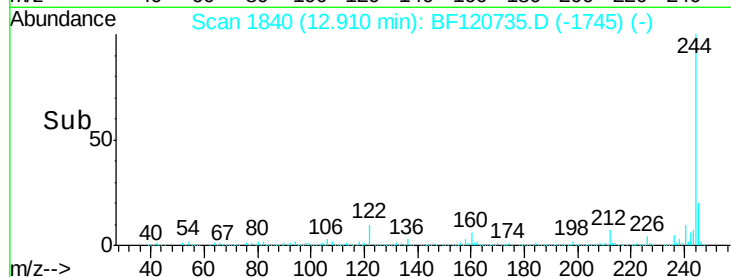
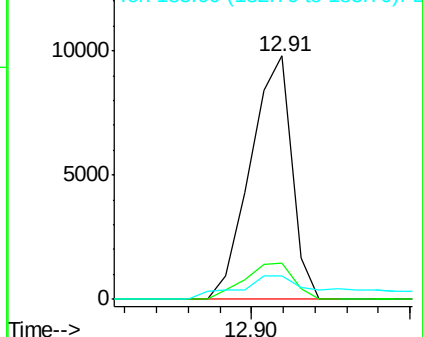
183 9.8 8.6 12.8



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: 110.423 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF120735.D

Acq: 29 Jun 2020 18:49

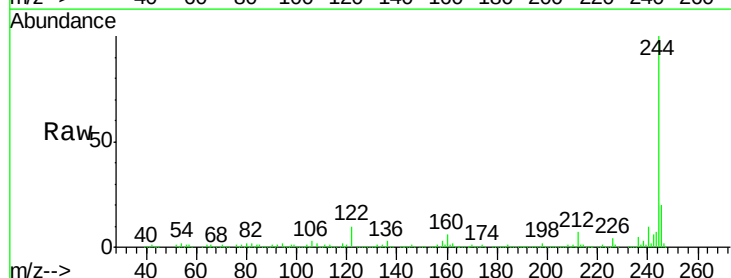
Tgt Ion:244 Resp: 654678

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

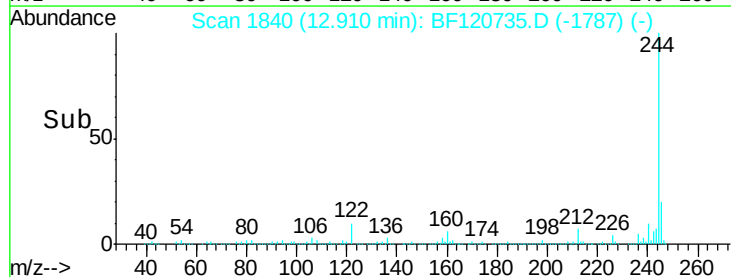
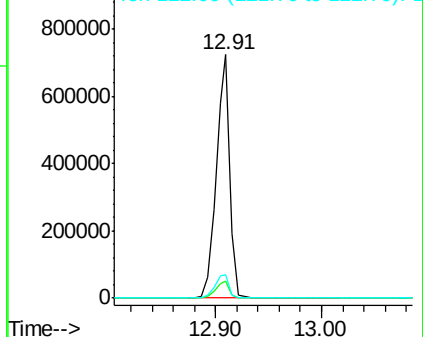
122 9.8 8.8 13.2

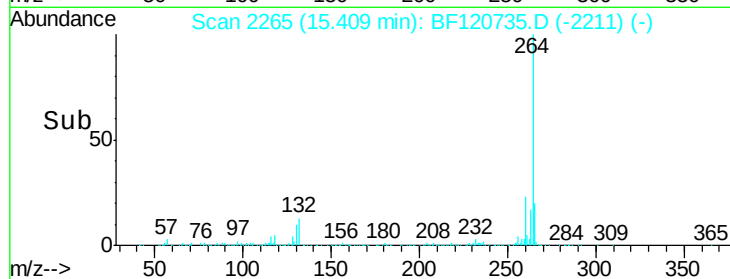
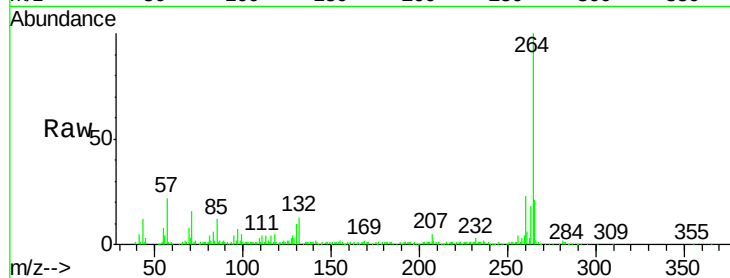
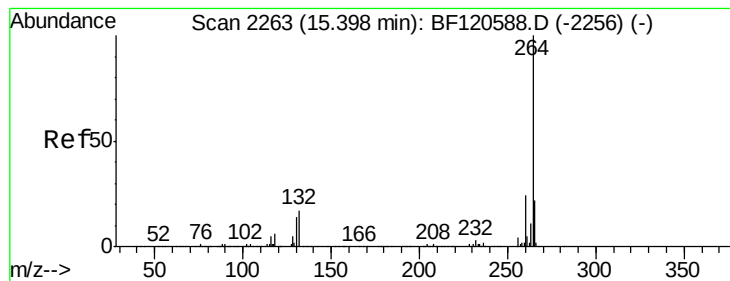


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.41 min Scan# 2265

Delta R.T. 0.02 min

Lab File: BF120735.D

Acq: 29 Jun 2020 18:49

Instrument :

BNA_F

ClientSampleId :

AU-06-062620

Tot Ion: 264 Resp: 147614

Ion Ratio Lower Upper

264 100

260 23.2 19.4 29.2

265 20.6 17.4 26.0

