

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070720\
 Data File : BF120781.D
 Acq On : 7 Jul 2020 12:18
 Operator : JU/CG
 Sample : SP5185
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP5185

Quant Time: Jul 07 14:27:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 02 18:51:52 2020
 Response via : Initial Calibration

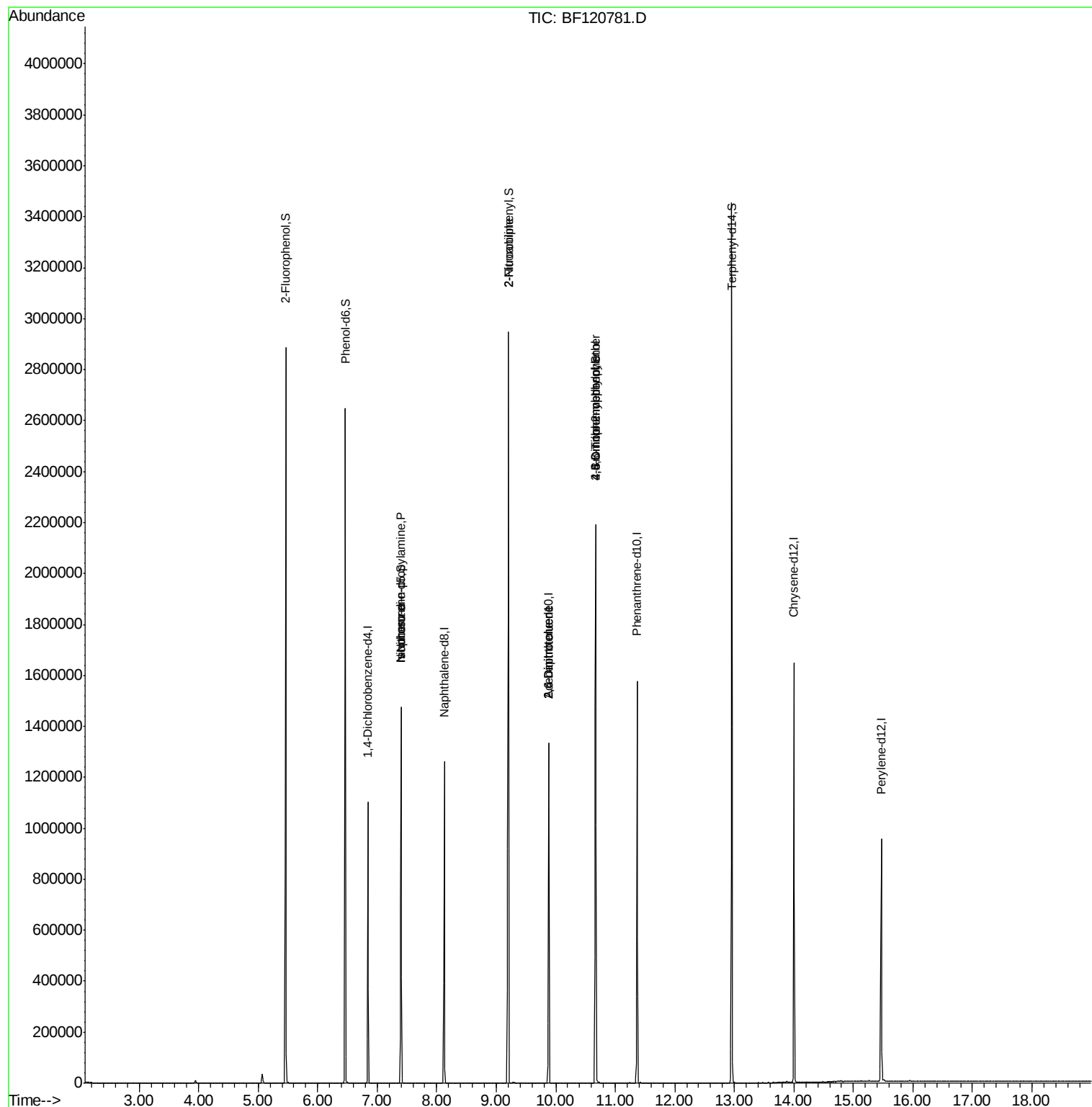
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	139308	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	550126	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	280121	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	543370	20.00	ng	0.00
76) Chrysene-d12	14.00	240	466287	20.00	ng	0.00
86) Perylene-d12	15.47	264	427133	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	765781	84.85	ng	0.00
7) Phenol-d6	6.46	99	920644	79.88	ng	-0.01
23) Nitrobenzene-d5	7.40	82	469736	49.47	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	231833	82.38	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	932132	50.34	ng	0.00
79) Terphenyl-d14	12.96	244	994657	41.76	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	63612	9.167	ng	# 81
25) Isophorone	7.40	82	467872	22.849	ng	# 64
48) 2-Nitroaniline	9.20	65	1612	2.901	ng	# 1
51) 2,6-Dinitrotoluene	9.88	165	35765	10.666	ng	# 17
57) 2,4-Dinitrotoluene	9.88	165	35765	9.692	ng	# 15
65) 4,6-Dinitro-2-methylphenol	10.67	198	627	7.242	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	14485	2.298	ng	# 1

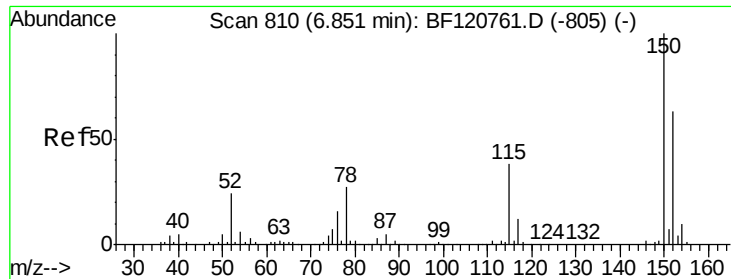
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF120781.D

Acq: 7 Jul 2020 12:18

Instrument :

BNA_F

ClientSampleId :

SP5185

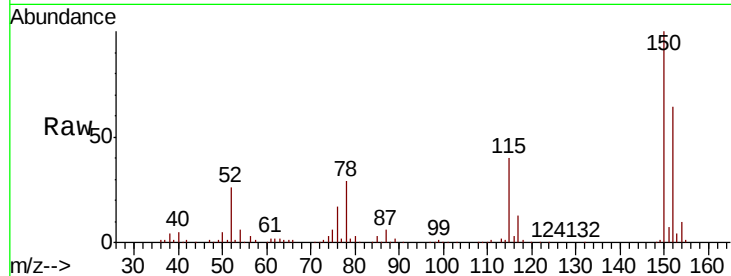
Tot Ion:152 Resp: 139308

Ion Ratio Lower Upper

152 100

150 156.1 126.1 189.1

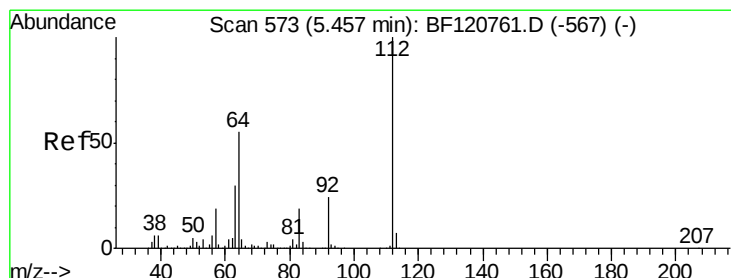
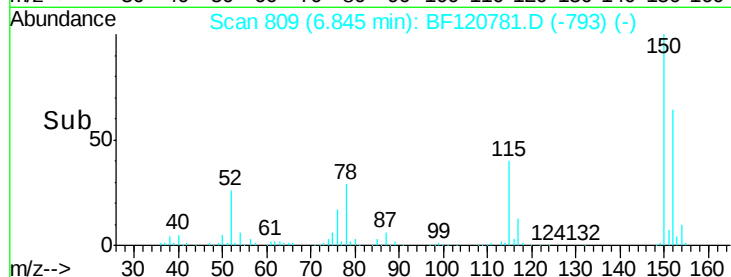
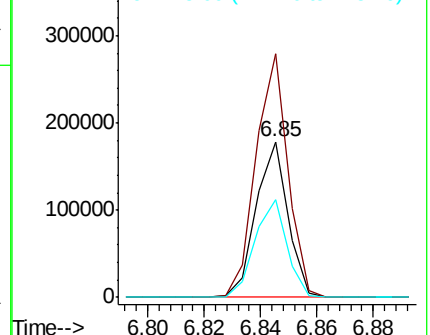
115 62.3 48.5 72.7



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: 84.855 ng

RT: 5.46 min Scan# 574

Delta R.T. 0.01 min

Lab File: BF120781.D

Acq: 7 Jul 2020 12:18

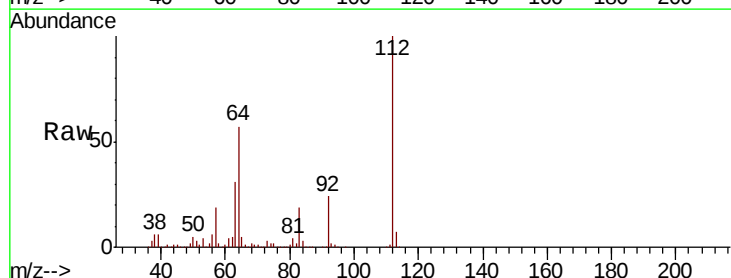
Tgt Ion:112 Resp: 765781

Ion Ratio Lower Upper

112 100

64 57.2 43.8 65.6

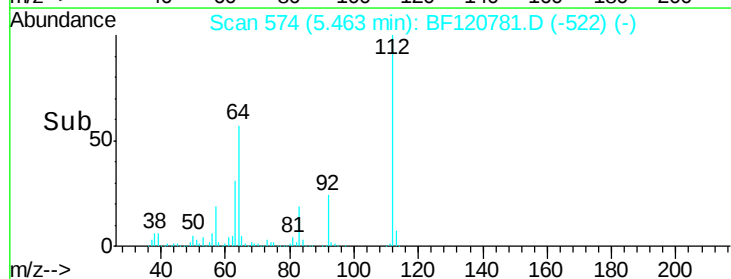
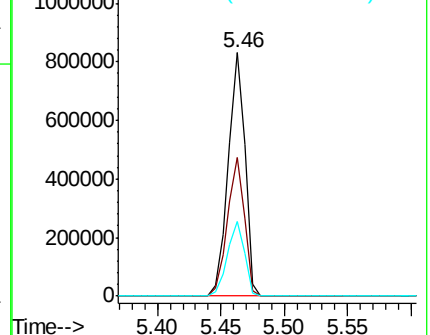
63 30.7 23.6 35.4

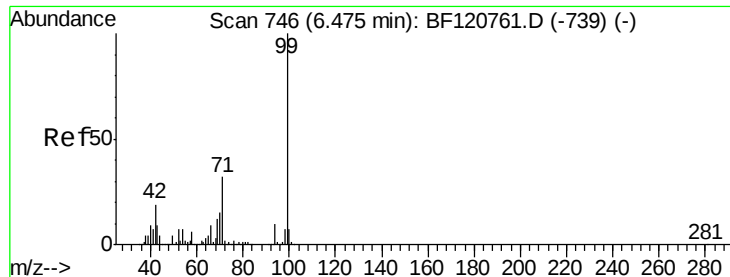


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 79.884 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF120781.D

Acq: 7 Jul 2020 12:18

Instrument :

BNA_F

ClientSampleId :

SP5185

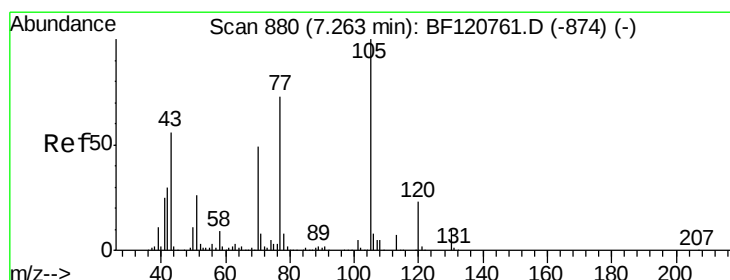
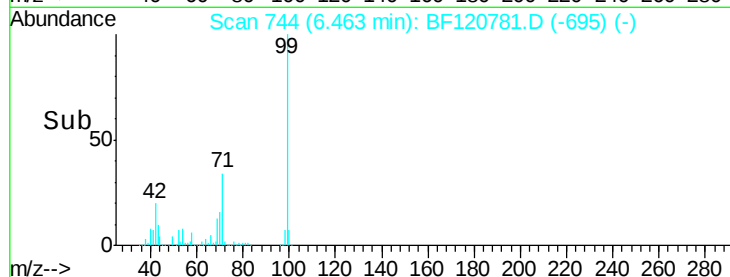
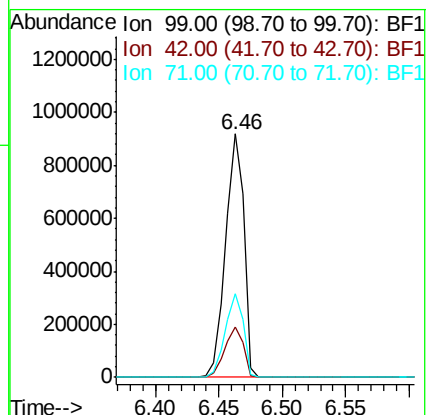
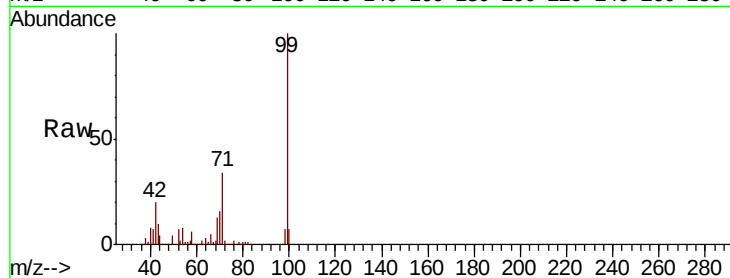
Tot Ion: 99 Resp: 920644

Ion Ratio Lower Upper

99 100

42 20.4 15.4 23.0

71 34.2 25.9 38.9



#19

n-Nitroso-di-n-propylamine

Concen: 9.167 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF120781.D

Acq: 7 Jul 2020 12:18

Tgt Ion: 70 Resp: 63612

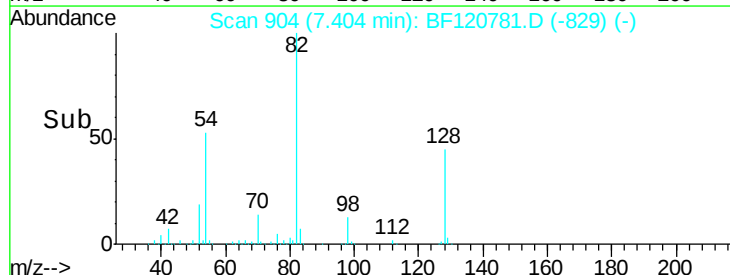
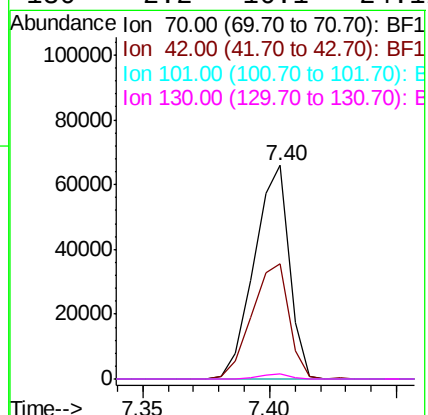
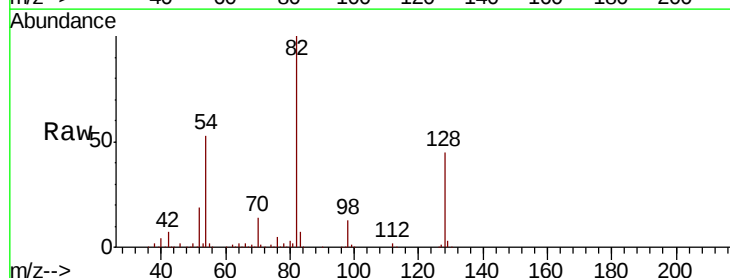
Ion Ratio Lower Upper

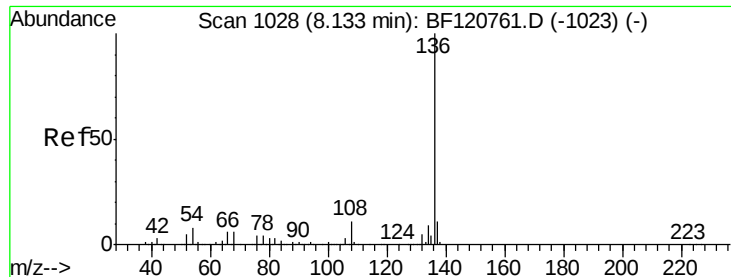
70 100

42 53.7 50.3 75.5

101 0.0 7.5 11.3#

130 2.2 16.1 24.1#

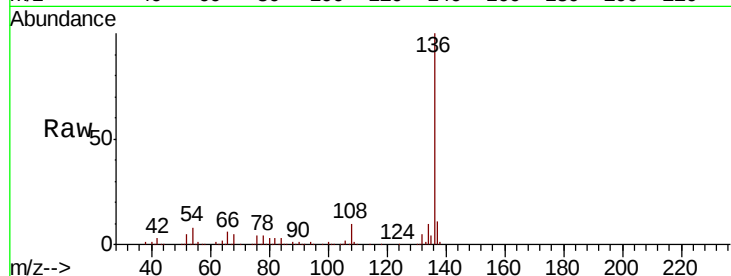




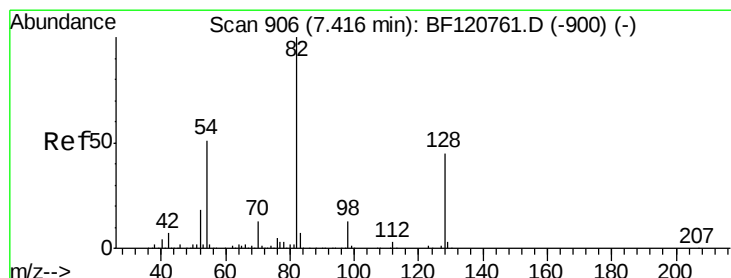
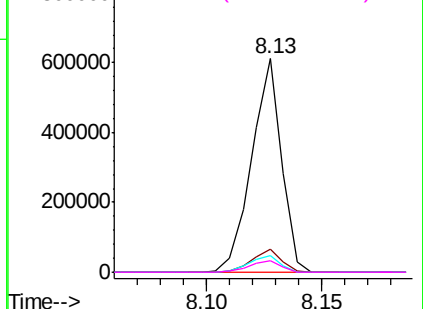
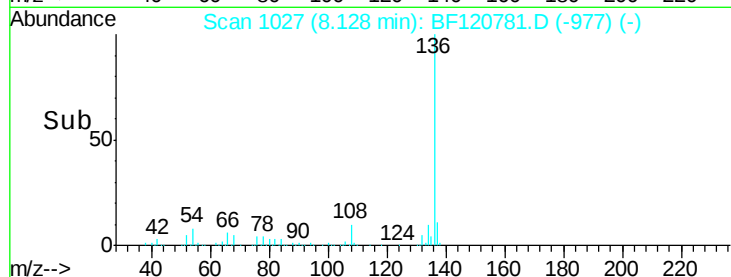
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF120781.D
Acq: 7 Jul 2020 12:18

Instrument :
BNA_F
ClientSampleId :
SP5185

Tot Ion:136	Resp:	550126
Ion Ratio	Lower	Upper
136 100		
137 11.0	9.0	13.6
54 7.8	6.2	9.4
68 5.4	4.7	7.1

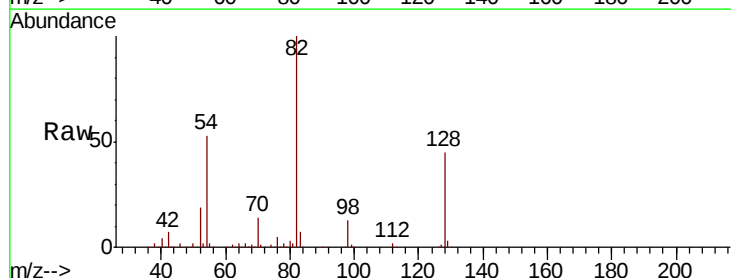


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

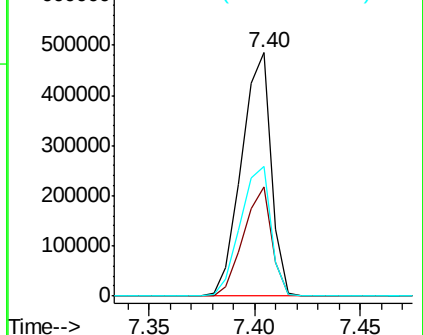
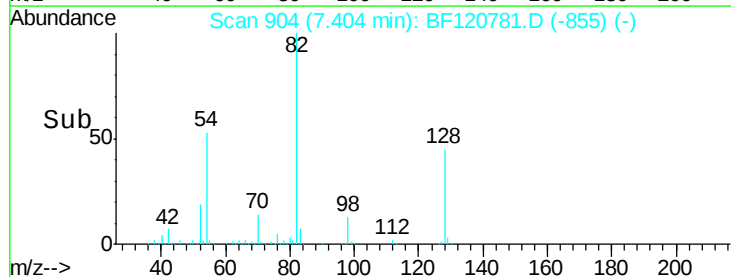


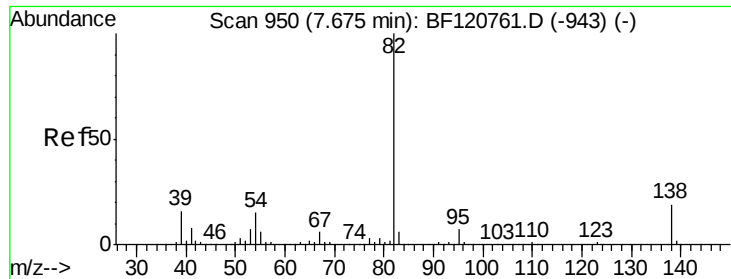
#23
Nitrobenzene-d5
Concen: 49.471 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF120781.D
Acq: 7 Jul 2020 12:18

Tgt Ion: 82	Resp: 469736
Ion Ratio	Lower Upper
82 100	
128 44.6	35.7 53.5
54 53.4	40.9 61.3



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: 22.849 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF120781.D

Acq: 7 Jul 2020 12:18

Instrument :

BNA_F

ClientSampleId :

SP5185

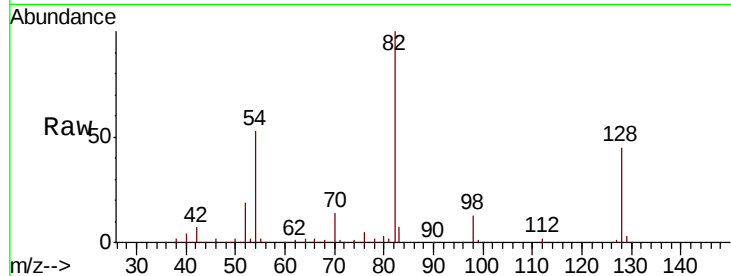
Tot Ion: 82 Resp: 467872

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

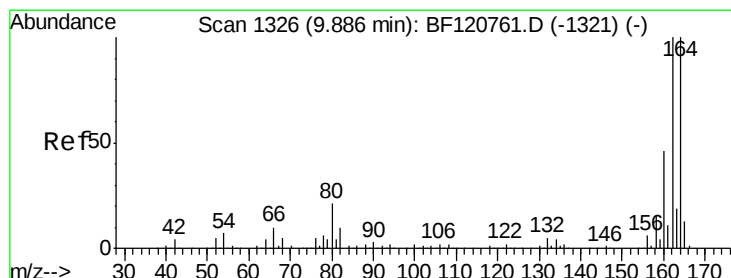
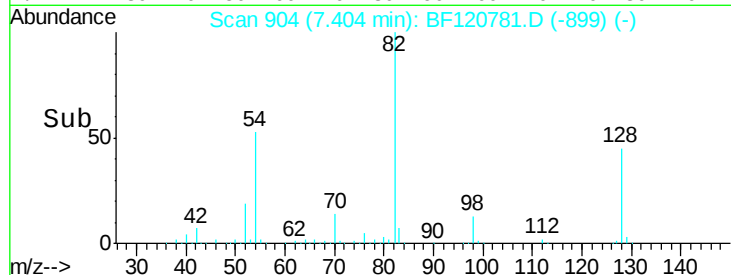
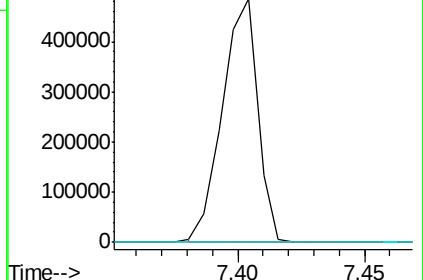
138 0.0 15.0 22.4#



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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF120781.D

Acq: 7 Jul 2020 12:18

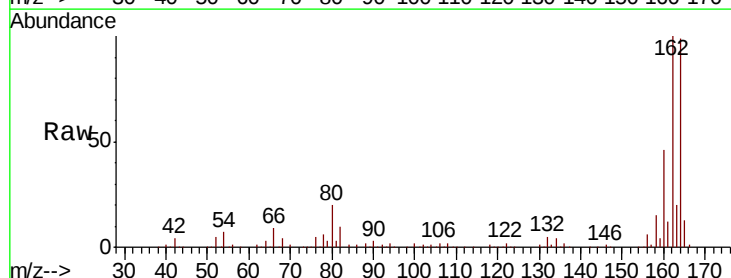
Tgt Ion: 164 Resp: 280121

Ion Ratio Lower Upper

164 100

162 101.1 80.2 120.2

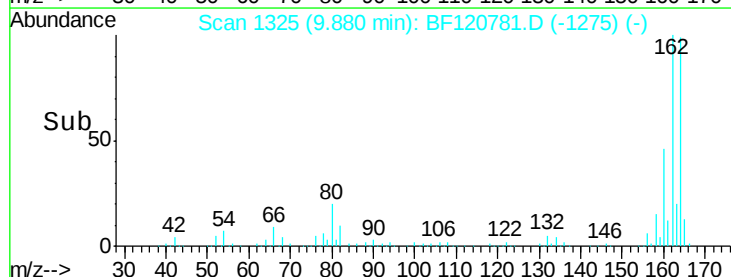
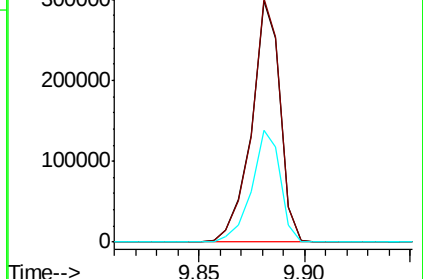
160 46.7 36.9 55.3

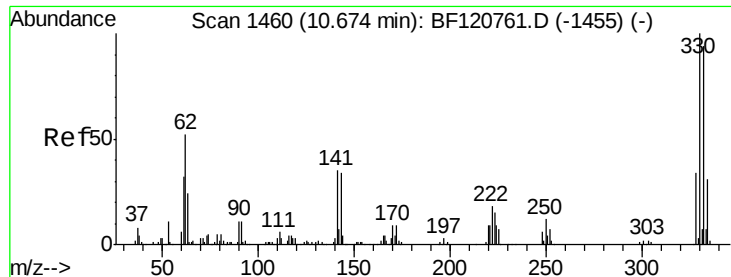


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 82.379 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF120781.D

Acq: 7 Jul 2020 12:18

Instrument :

BNA_F

ClientSampled :

SP5185

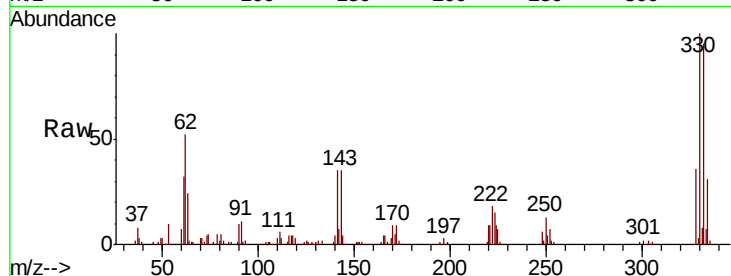
Tot Ion:330 Resp: 231833

Ion Ratio Lower Upper

330 100

332 95.3 75.8 113.6

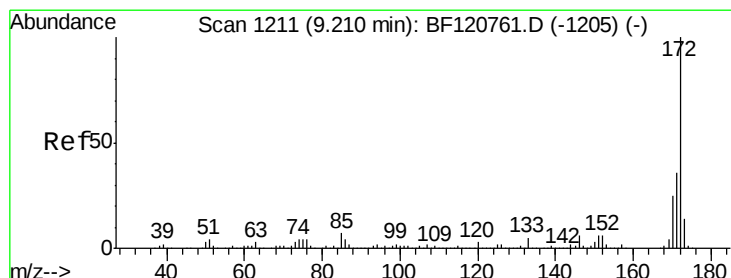
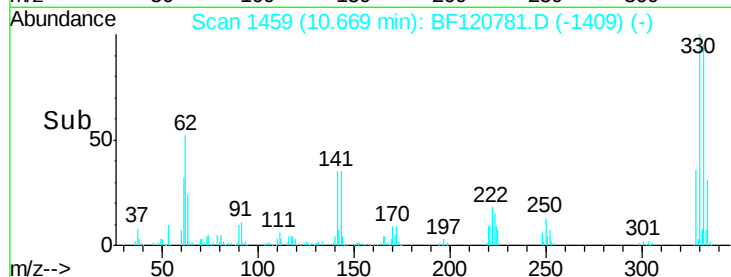
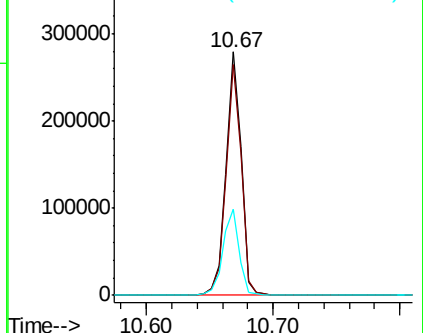
141 38.5 29.7 44.5



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: 50.345 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF120781.D

Acq: 7 Jul 2020 12:18

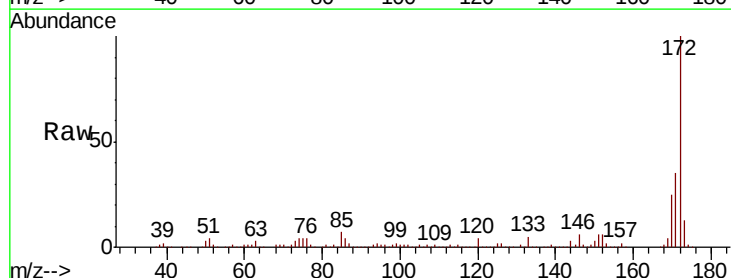
Tgt Ion:172 Resp: 932132

Ion Ratio Lower Upper

172 100

171 35.3 29.1 43.7

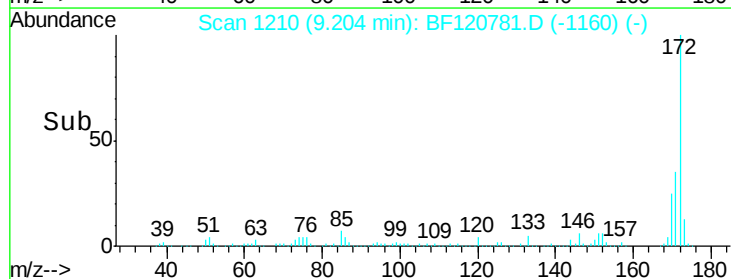
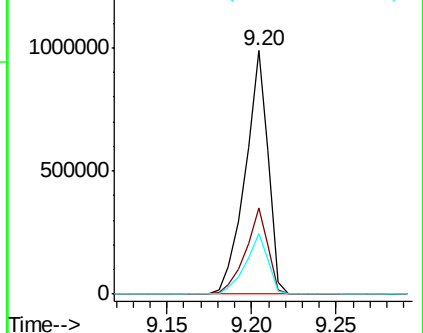
170 24.7 19.8 29.6

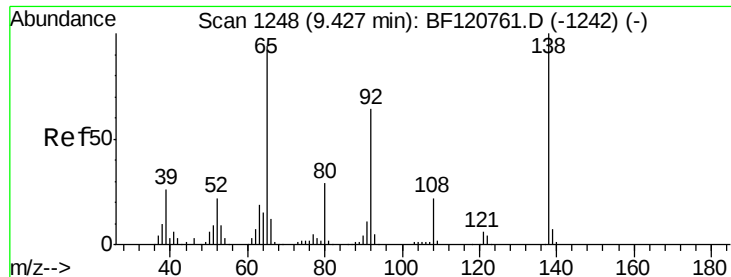


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

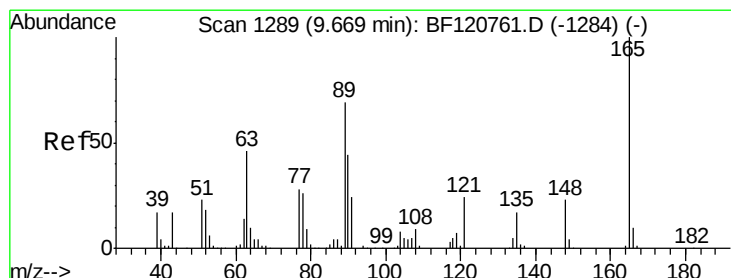
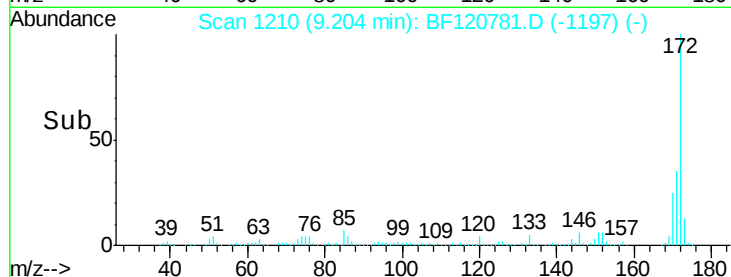
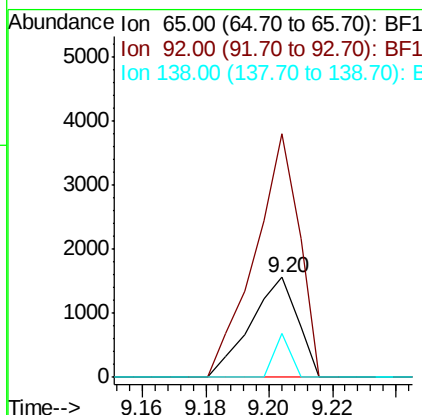
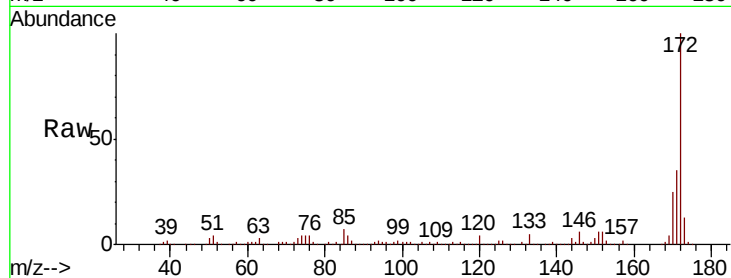




#48
2-Nitroaniline
Concen: 2.901 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.22 min
Lab File: BF120781.D
Acq: 7 Jul 2020 12:18

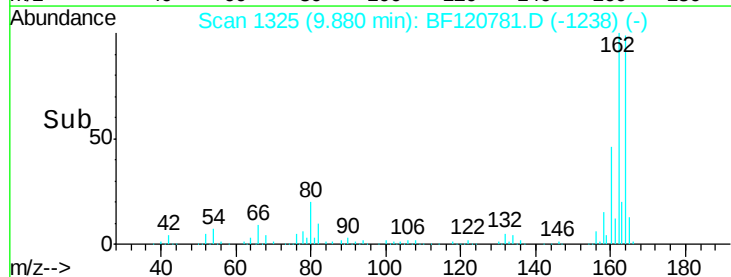
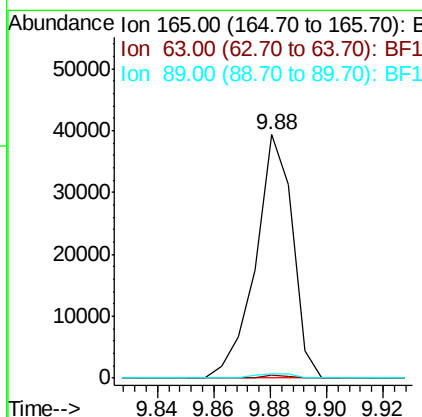
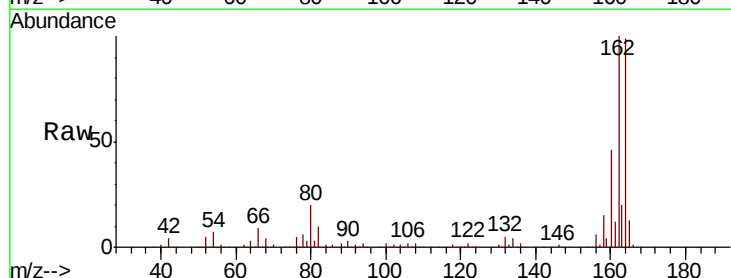
Instrument :
BNA_F
ClientSampled :
SP5185

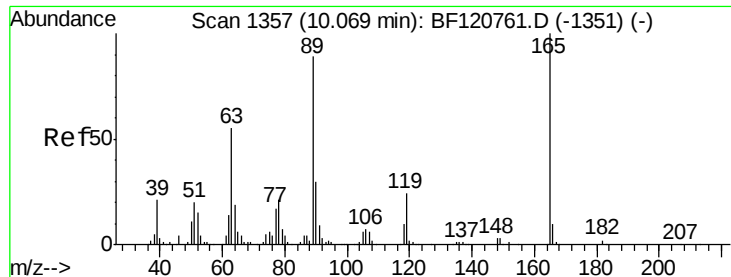
Tot Ion: 65 Resp: 1612
Ion Ratio Lower Upper
65 100
92 243.5 54.4 81.6#
138 43.5 84.7 127.1#



#51
2,6-Dinitrotoluene
Concen: 10.666 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.21 min
Lab File: BF120781.D
Acq: 7 Jul 2020 12:18

Tgt Ion:165 Resp: 35765
Ion Ratio Lower Upper
165 100
63 1.0 54.0 81.0#
89 1.5 55.4 83.2#

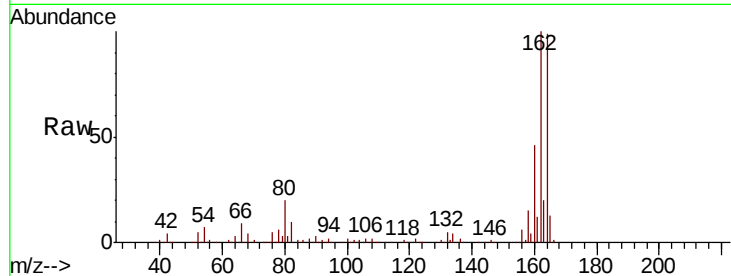




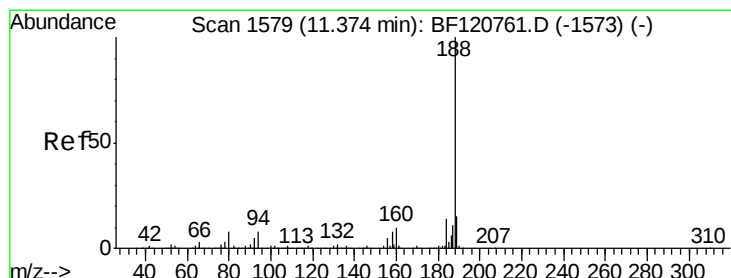
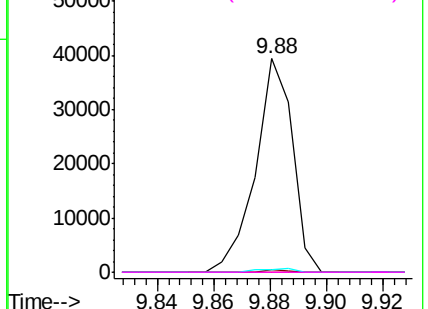
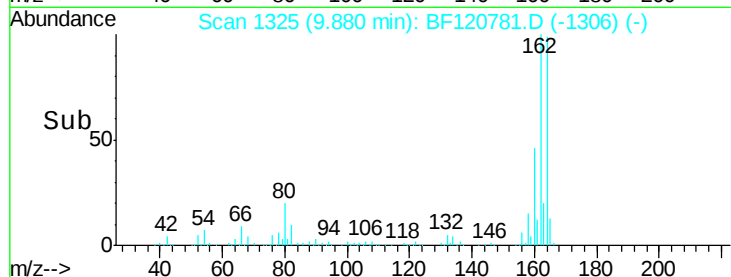
#57
 2,4-Dinitrotoluene
 Concen: 9.692 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF120781.D
 Acq: 7 Jul 2020 12:18

Instrument :
 BNA_F
 ClientSampleId :
 SP5185

Tot Ion:165 Resp: 35765
 Ion Ratio Lower Upper
 165 100
 63 1.0 43.8 65.8#
 89 1.5 71.4 107.2#
 182 0.0 1.8 2.6#

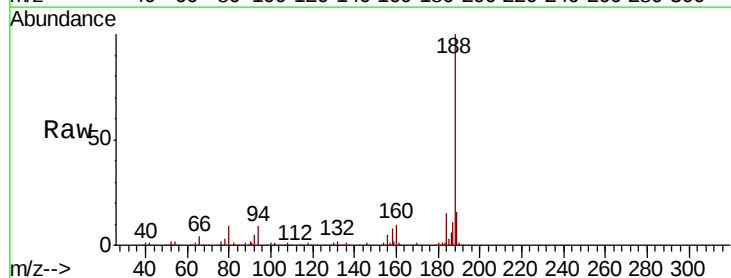


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

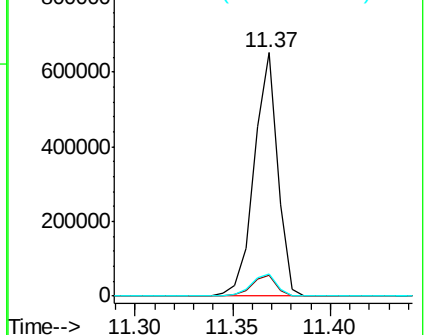
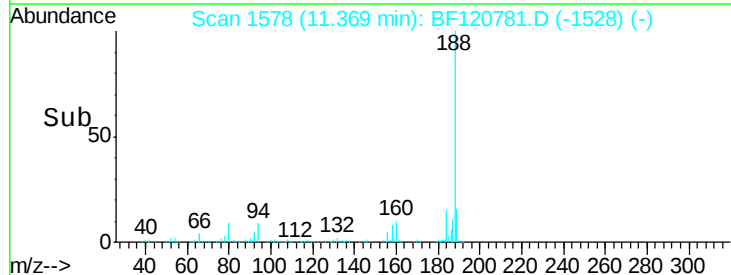


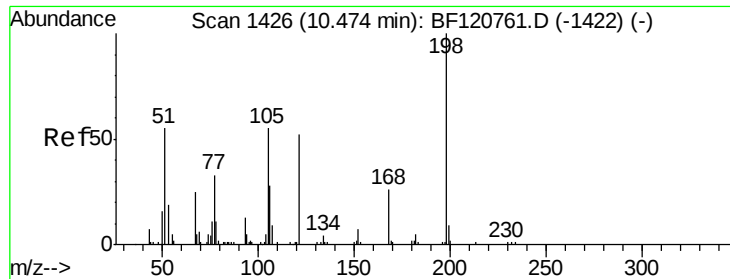
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF120781.D
 Acq: 7 Jul 2020 12:18

Tgt Ion:188 Resp: 543370
 Ion Ratio Lower Upper
 188 100
 94 8.7 6.6 9.8
 80 8.9 6.6 10.0



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

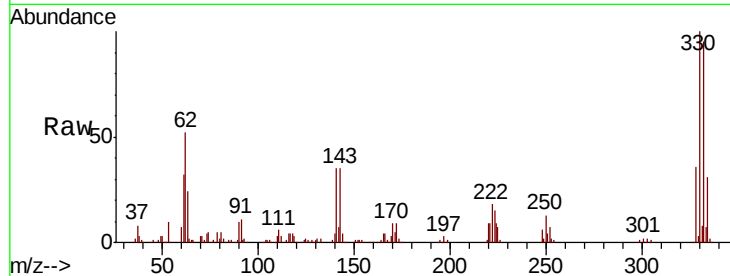




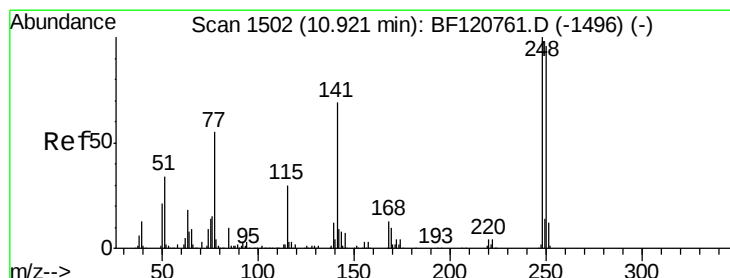
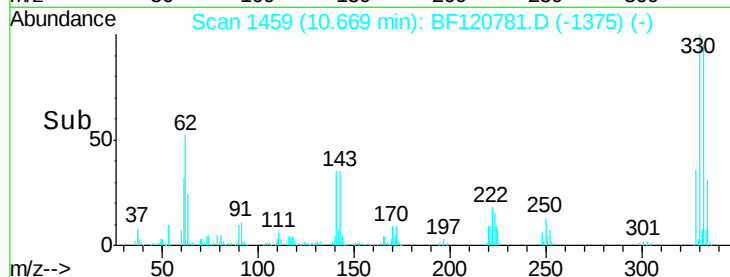
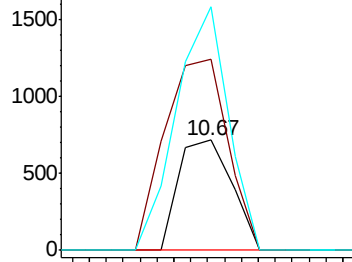
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.242 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. 0.19 min
 Lab File: BF120781.D
 Acq: 7 Jul 2020 12:18

Instrument :
 BNA_F
 ClientSampled :
 SP5185

Tot Ion:198 Resp: 627
 Ion Ratio Lower Upper
 198 100
 51 173.5 50.0 90.0#
 105 220.5 38.3 78.3#

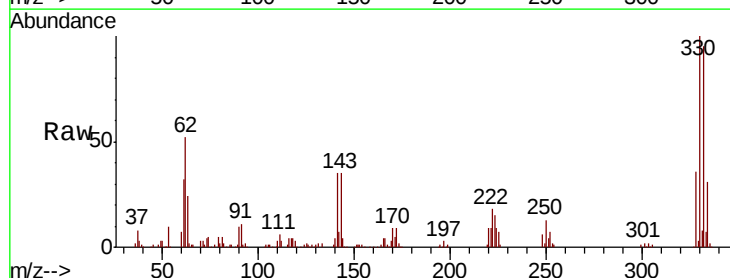


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

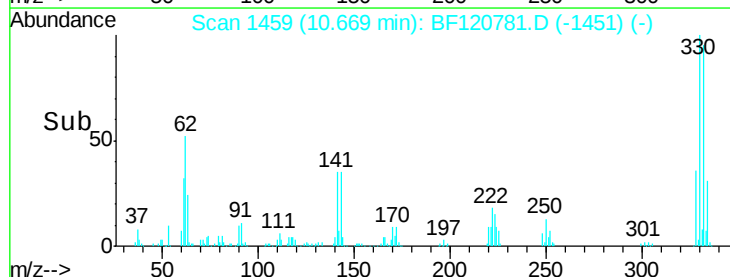
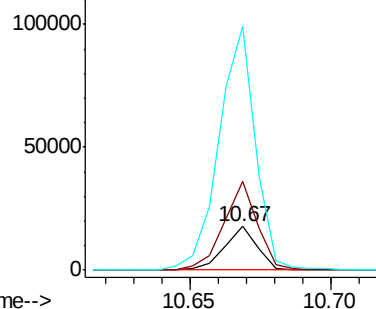


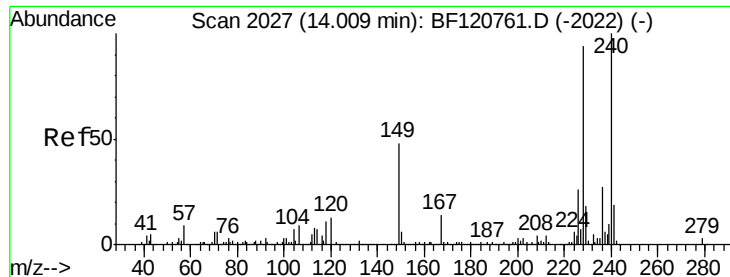
#67
 4-Bromophenyl-phenylether
 Concen: 2.298 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF120781.D
 Acq: 7 Jul 2020 12:18

Tgt Ion:248 Resp: 14485
 Ion Ratio Lower Upper
 248 100
 250 203.0 76.5 114.7#
 141 557.0 54.9 82.3#



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

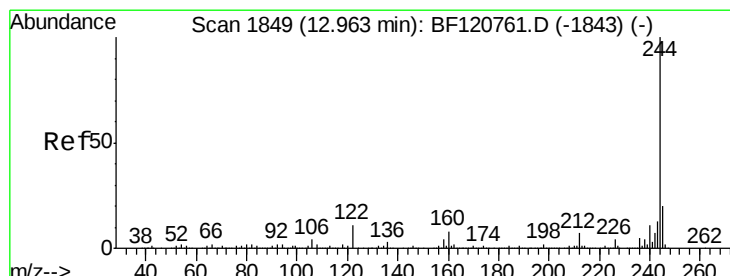
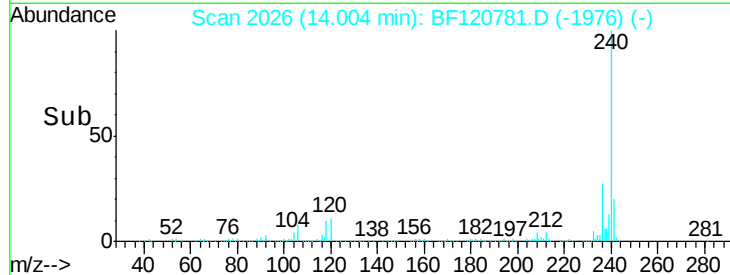
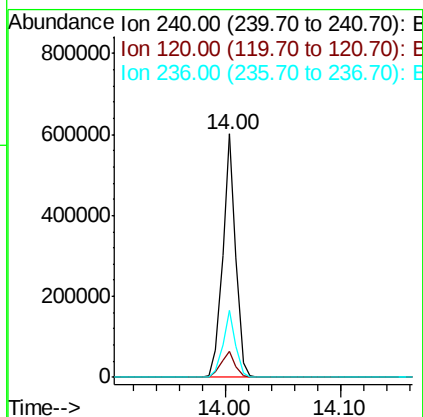
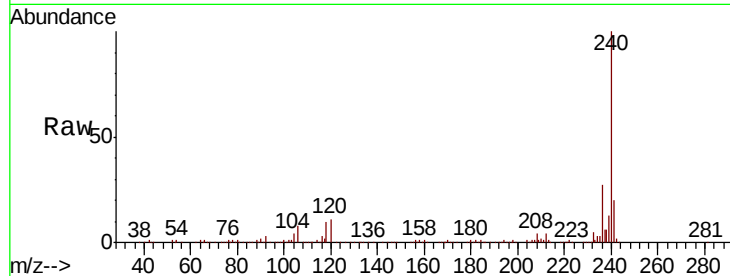




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF120781.D
 Acq: 7 Jul 2020 12:18

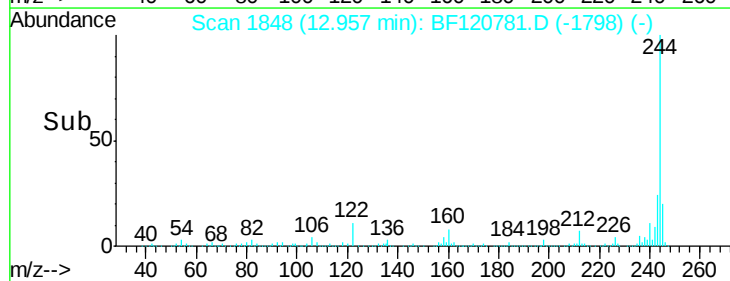
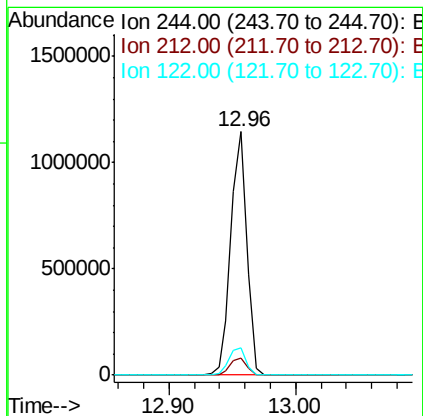
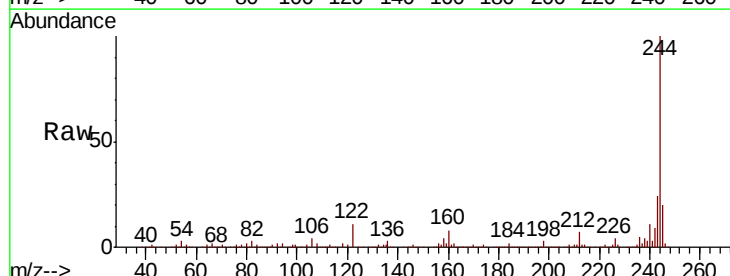
Instrument :
 BNA_F
 ClientSampleId :
 SP5185

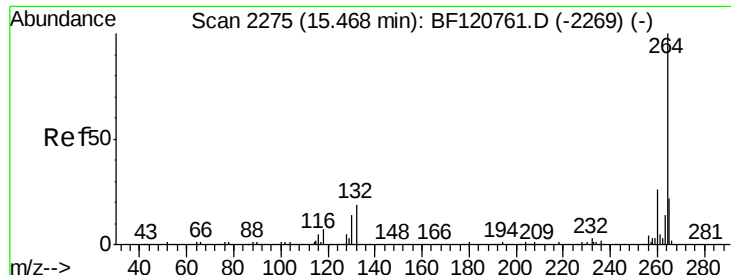
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.7	10.3	15.5
236	27.3	21.4	32.2



#79
 Terphenyl-d14
 Concen: 41.765 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF120781.D
 Acq: 7 Jul 2020 12:18

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	11.3	9.0	13.4

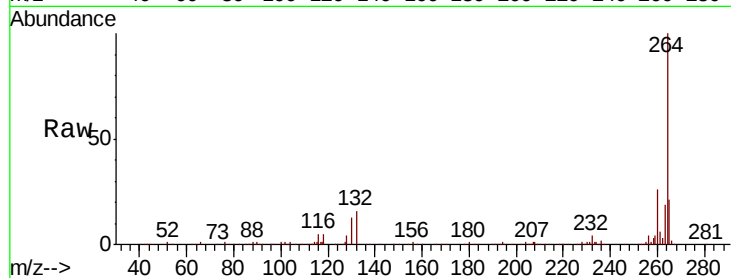




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. 0.00 min
 Lab File: BF120781.D
 Acq: 7 Jul 2020 12:18

Instrument :
 BNA_F
 ClientSampleId :
 SP5185

Tot Ion:264 Resp: 427133
 Ion Ratio Lower Upper
 264 100
 260 25.5 20.6 30.8
 265 21.4 17.6 26.4



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

