

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
 Data File : BF120038.D
 Acq On : 16 Apr 2020 16:09
 Operator : MA/SJ
 Sample : L2243-12 5X
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-31-30-COMP

Quant Time: Apr 17 01:23:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 16 10:48:04 2020
 Response via : Initial Calibration

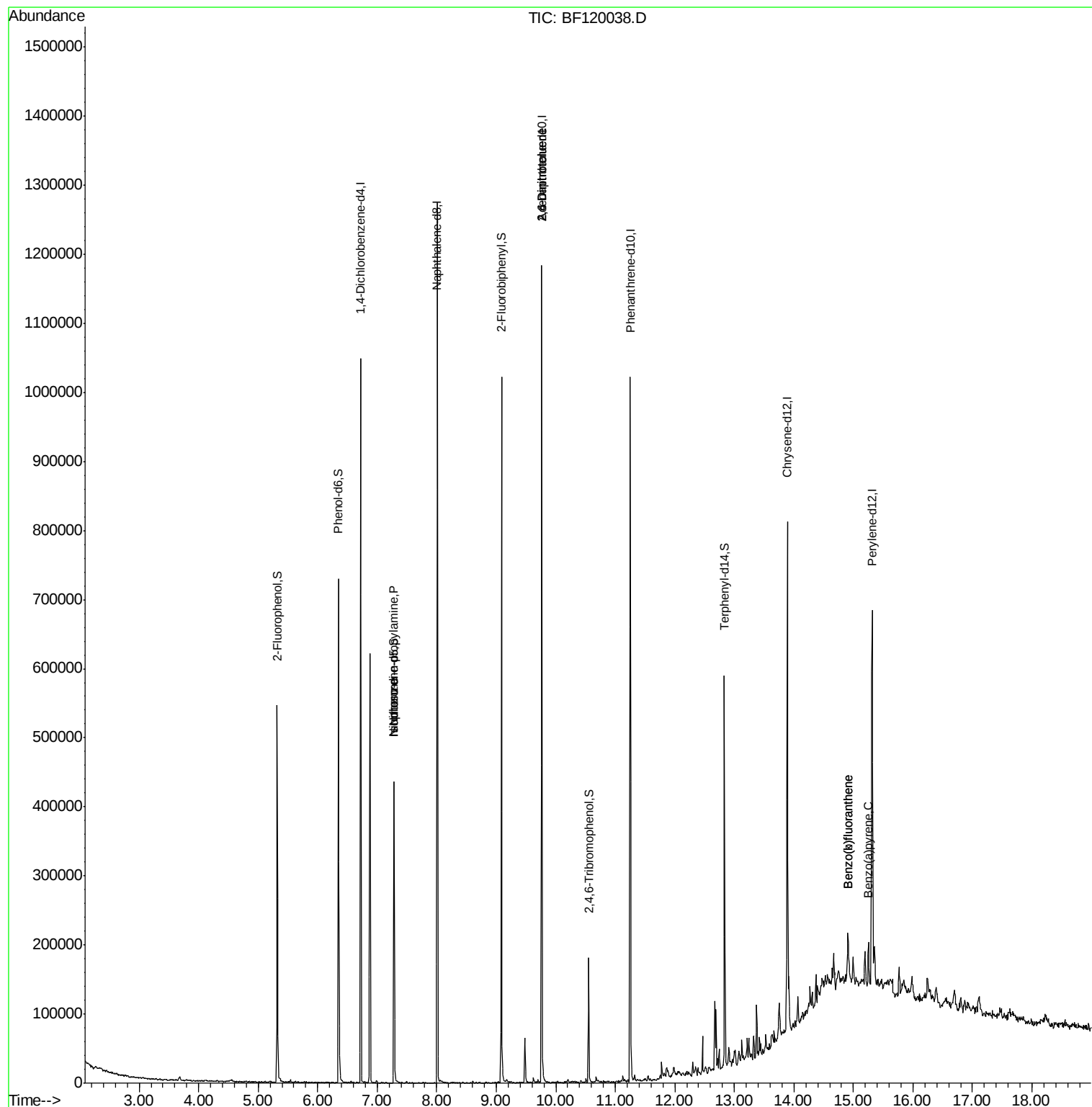
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	141581	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	493012	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	230848	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	350170	20.00	ng	0.00
76) Chrysene-d12	13.89	240	253909	20.00	ng	0.00
87) Perylene-d12	15.32	264	230232	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	137267	16.76	ng	0.00
7) Phenol-d6	6.35	99	205011	19.42	ng	-0.01
23) Nitrobenzene-d5	7.28	82	130635	13.71	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	18220	6.45	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	278218	17.11	ng	0.00
79) Terphenyl-d14	12.84	244	207113	13.73	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.35	77	278	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.28	70	15558	2.292 ng	#	87
25) Isophorone	7.28	82	129361	7.042 ng	#	65
51) 2,6-Dinitrotoluene	9.76	165	30391	7.772 ng	#	19
57) 2,4-Dinitrotoluene	9.76	165	30391	5.899 ng	#	22
88) Benzo(b)fluoranthene	14.91	252	42746	2.581 ng	#	92
89) Benzo(k)fluoranthene	14.91	252	42746	2.991 ng	#	93
90) Benzo(a)pyrene	15.25	252	31212	2.241 ng	#	95

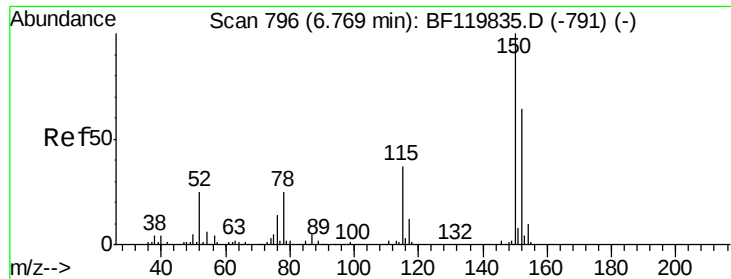
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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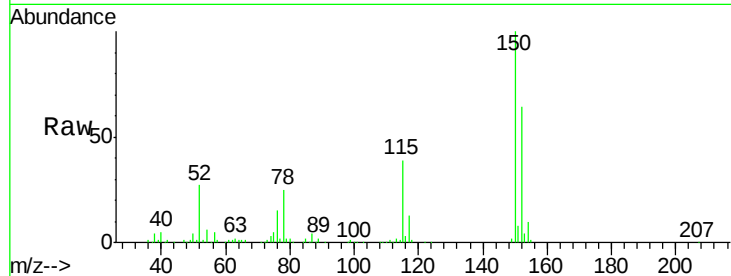


#1

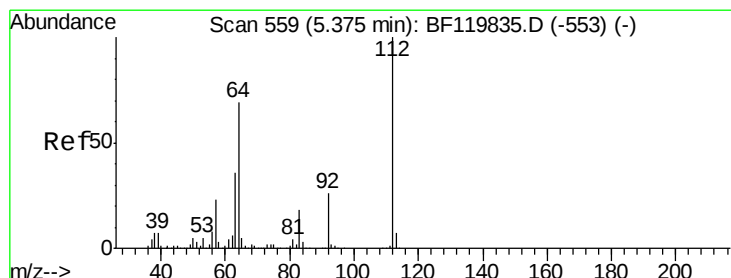
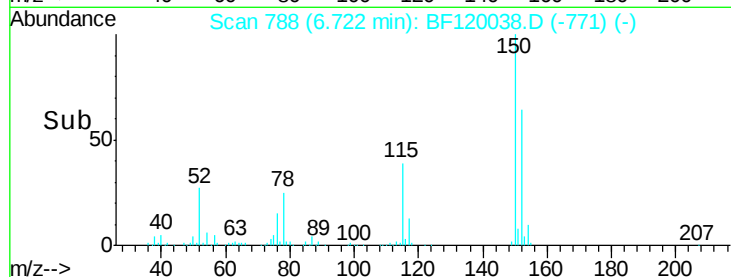
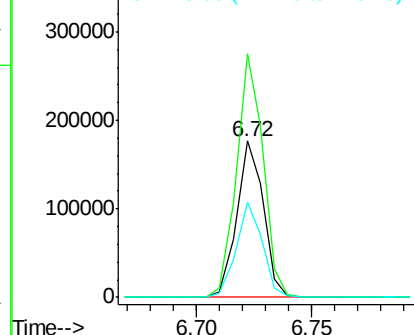
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF120038.D
Acq: 16 Apr 2020 16:09

Instrument :
BNA_F
ClientSampleId :
TP-31-30-COMP

Tot Ion:152 Resp: 141581
Ion Ratio Lower Upper
152 100
150 155.8 124.8 187.2
115 60.9 46.5 69.7



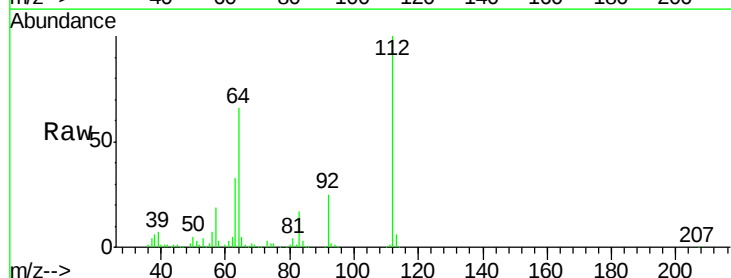
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



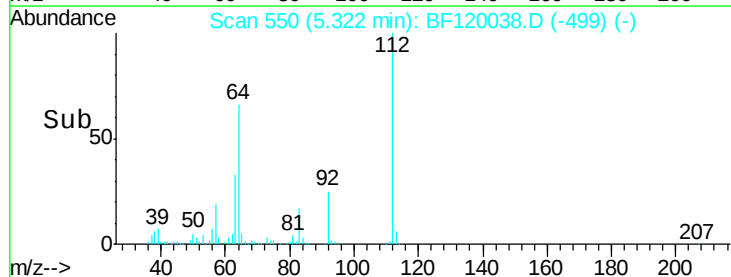
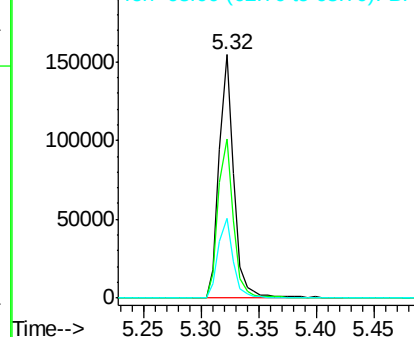
#5

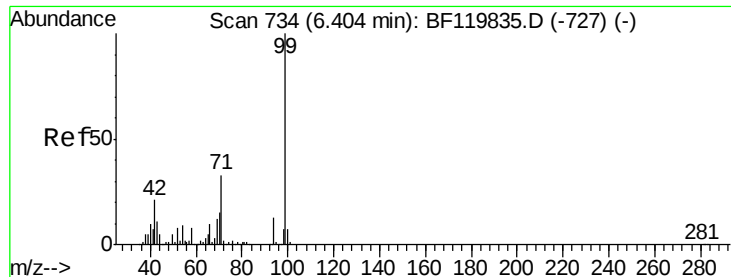
2-Fluorophenol
Concen: 16.755 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF120038.D
Acq: 16 Apr 2020 16:09

Tgt Ion:112 Resp: 137267
Ion Ratio Lower Upper
112 100
64 65.5 55.5 83.3
63 32.9 29.1 43.7



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: 19.421 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF120038.D

Acq: 16 Apr 2020 16:09

Instrument :

BNA_F

ClientSampleId :

TP-31-30-COMP

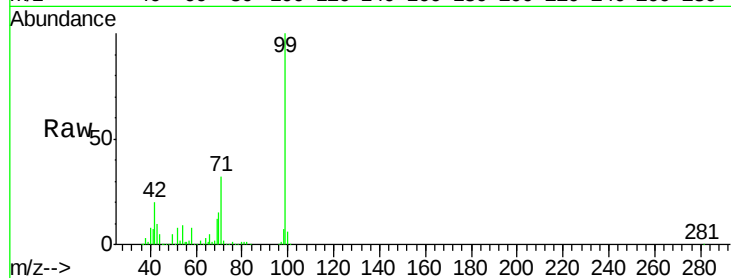
Tot Ion: 99 Resp: 205011

Ion Ratio Lower Upper

99 100

42 20.1 16.9 25.3

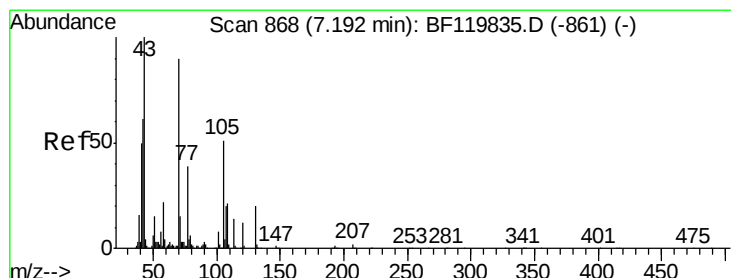
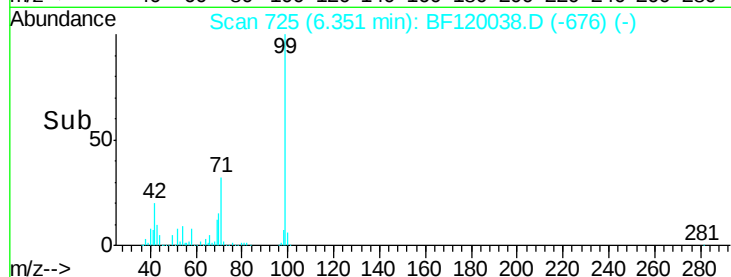
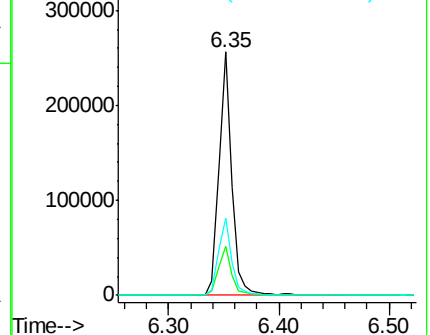
71 31.8 26.3 39.5



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: 2.292 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.13 min

Lab File: BF120038.D

Acq: 16 Apr 2020 16:09

Tgt Ion: 70 Resp: 15558

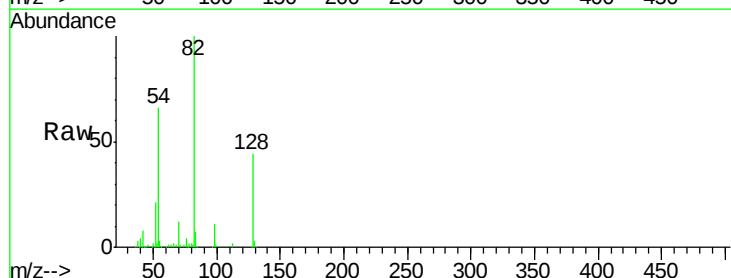
Ion Ratio Lower Upper

70 100

42 65.9 54.2 81.4

101 0.0 7.4 11.2#

130 2.8 17.8 26.6#

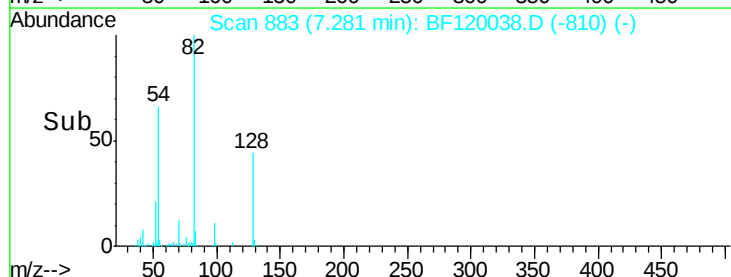
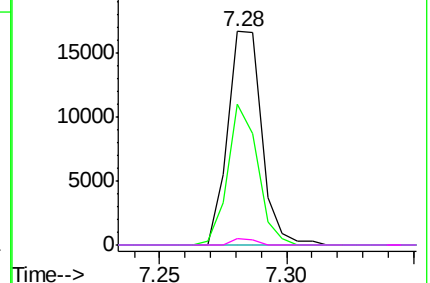


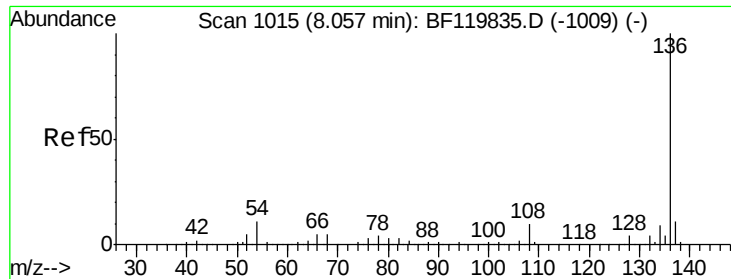
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

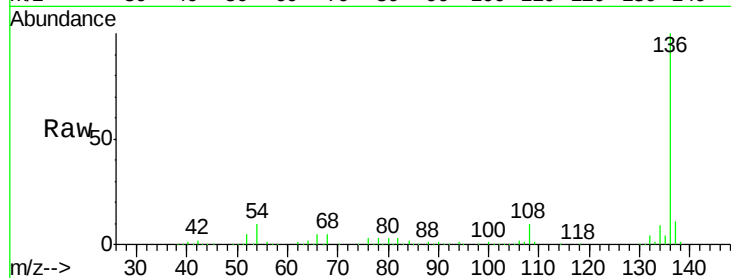




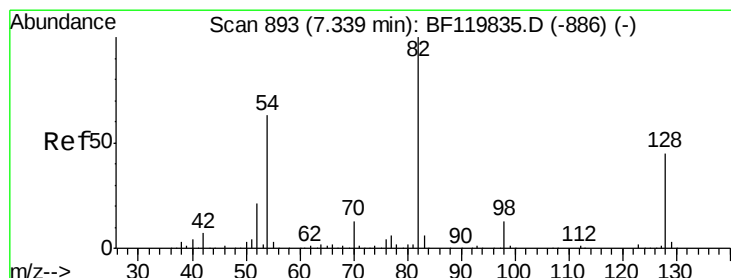
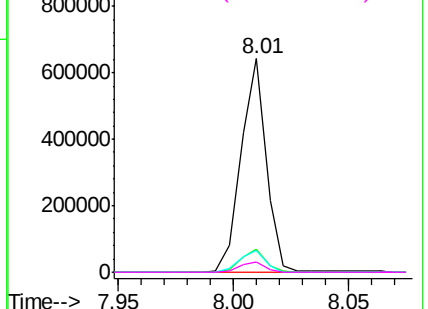
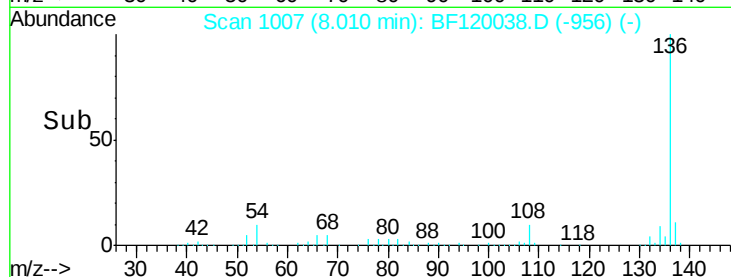
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BF120038.D
Acq: 16 Apr 2020 16:09

Instrument :
BNA_F
ClientSampleId :
TP-31-30-COMP

Tot Ion:136	Resp:	493012
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.7 13.1
54	10.1	8.5 12.7
68	5.1	3.9 5.9

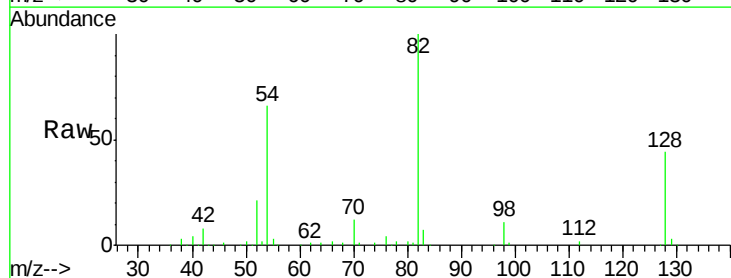


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

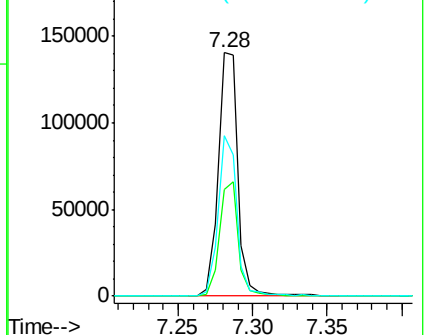
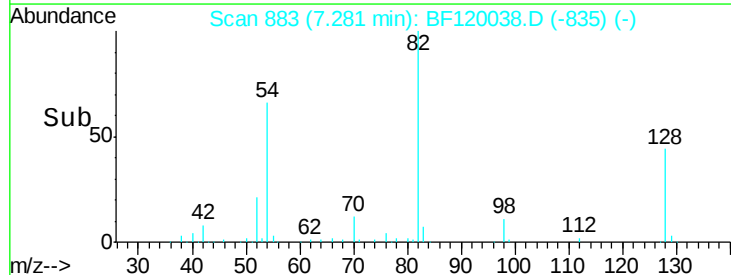


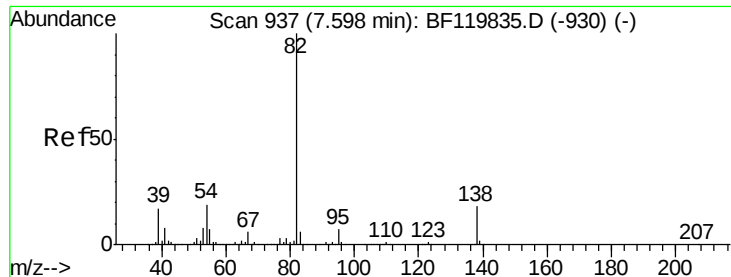
#23
Nitrobenzene-d5
Concen: 13.708 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF120038.D
Acq: 16 Apr 2020 16:09

Tgt Ion: 82	Resp:	130635
Ion Ratio	Lower	Upper
82	100	
128	43.8	36.2 54.4
54	66.1	50.4 75.6



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: 7.042 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.28 min

Lab File: BF120038.D

Acq: 16 Apr 2020 16:09

Instrument :

BNA_F

ClientSampleId :

TP-31-30-COMP

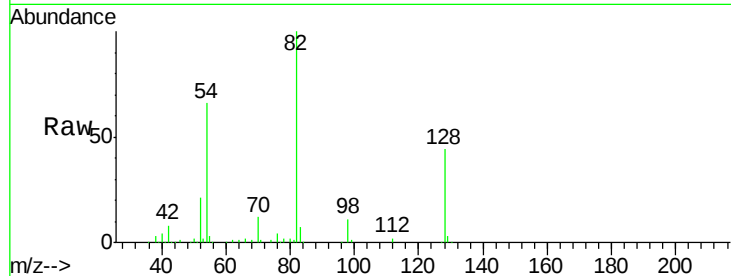
Tot Ion: 82 Resp: 129361

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

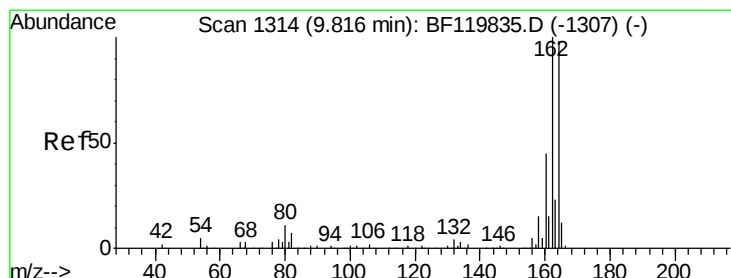
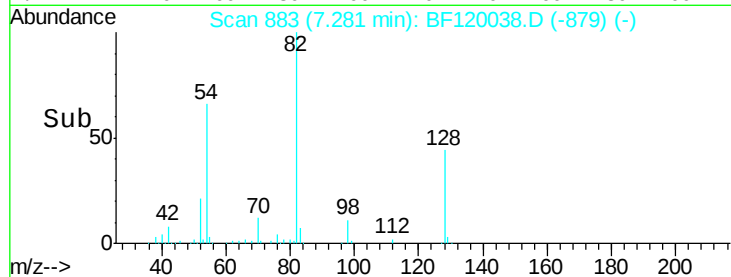
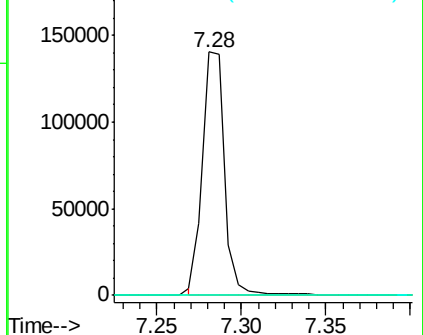
138 0.0 14.5 21.7#



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: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF120038.D

Acq: 16 Apr 2020 16:09

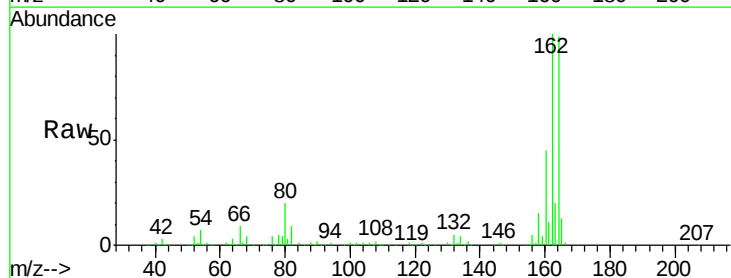
Tgt Ion:164 Resp: 230848

Ion Ratio Lower Upper

164 100

162 101.1 81.9 122.9

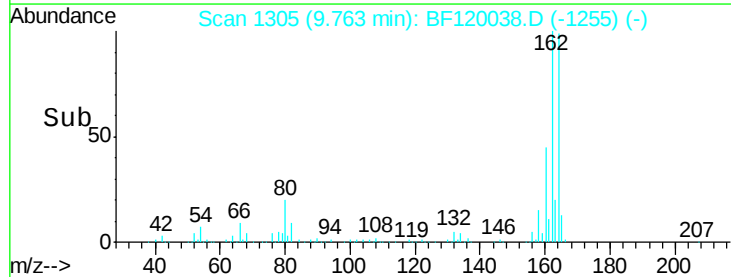
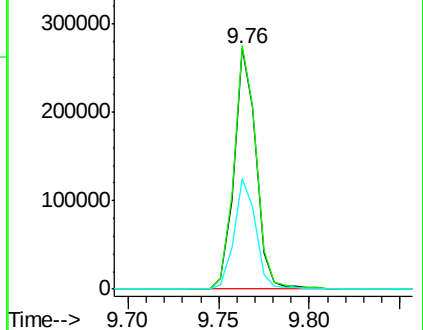
160 45.6 36.6 54.8

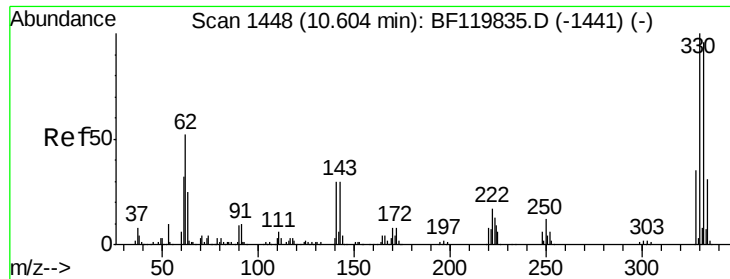


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

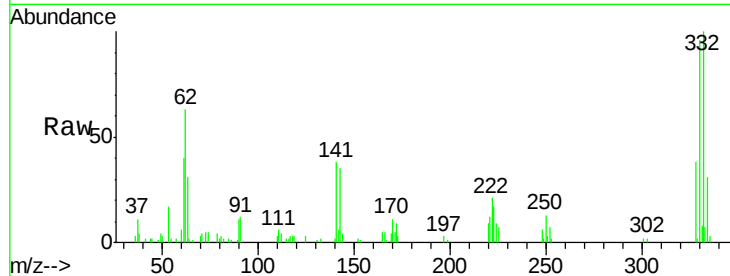




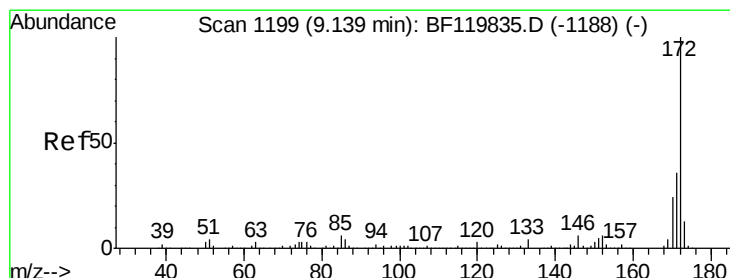
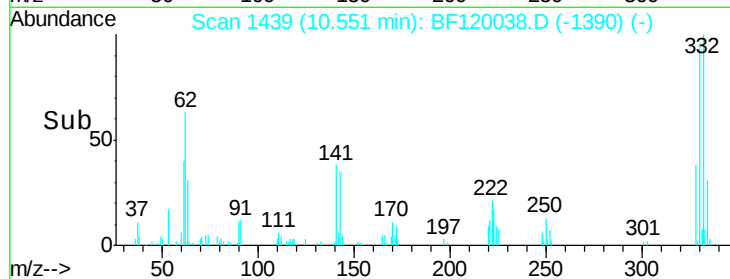
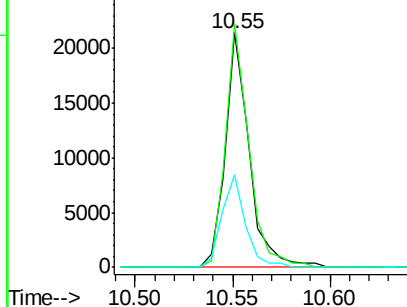
#42
 2,4,6-Tribromophenol
 Concen: 6.446 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF120038.D
 Acq: 16 Apr 2020 16:09

Instrument :
 BNA_F
 ClientSampleId :
 TP-31-30-COMP

Tot Ion:330 Resp: 18220
 Ion Ratio Lower Upper
 330 100
 332 101.5 76.8 115.2
 141 38.7 25.1 37.7#

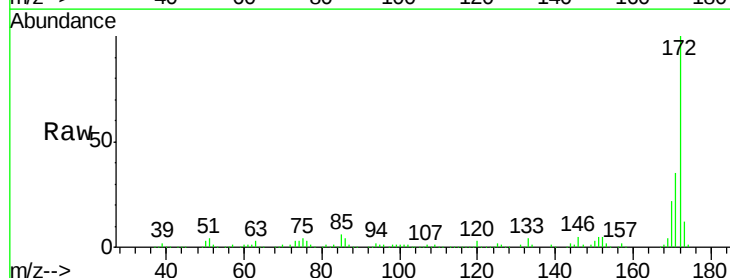


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

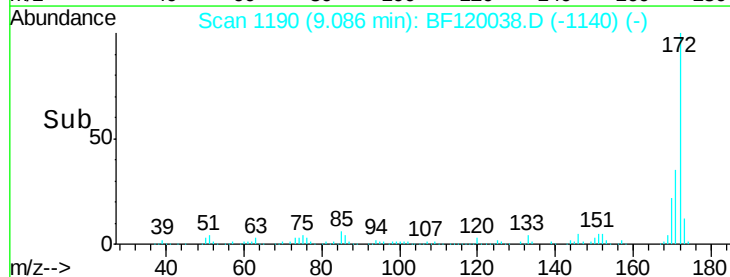
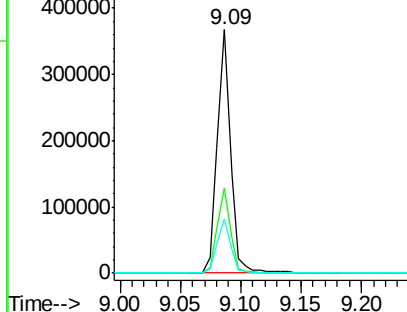


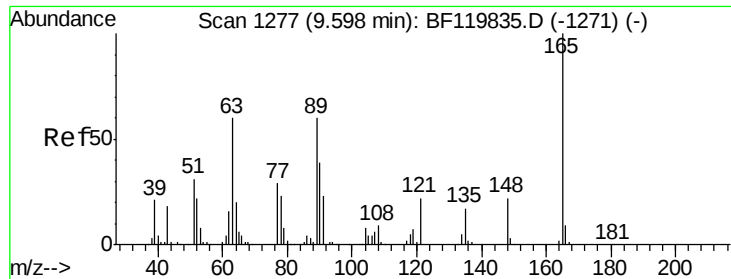
#45
 2-Fluorobiphenyl
 Concen: 17.111 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF120038.D
 Acq: 16 Apr 2020 16:09

Tgt Ion:172 Resp: 278218
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.9 43.3
 170 22.5 19.4 29.2



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

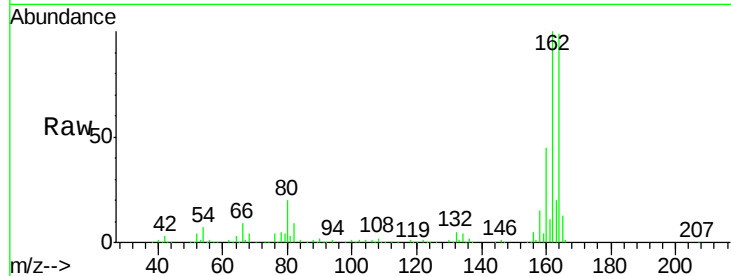




#51
 2,6-Dinitrotoluene
 Concen: 7.772 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.20 min
 Lab File: BF120038.D
 Acq: 16 Apr 2020 16:09

Instrument :
 BNA_F
 ClientSampleId :
 TP-31-30-COMP

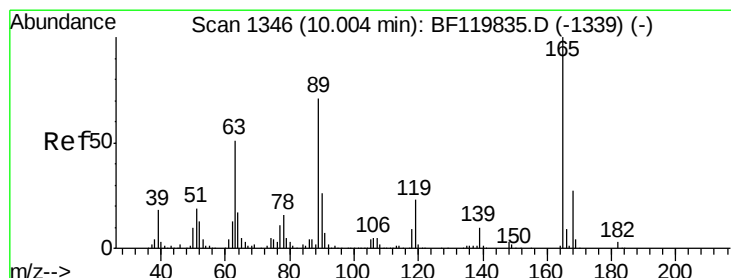
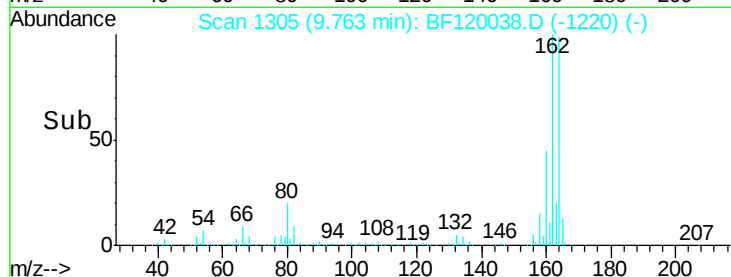
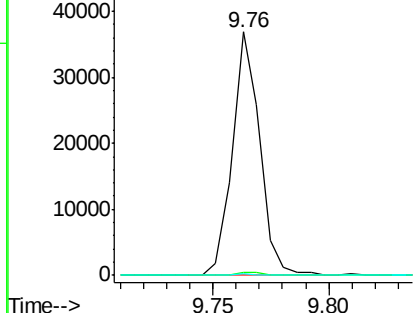
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	55.6	83.4#
89	0.9	47.9	71.9#



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: 5.899 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.20 min
 Lab File: BF120038.D
 Acq: 16 Apr 2020 16:09

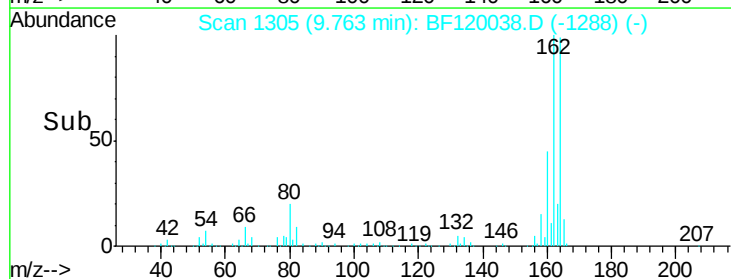
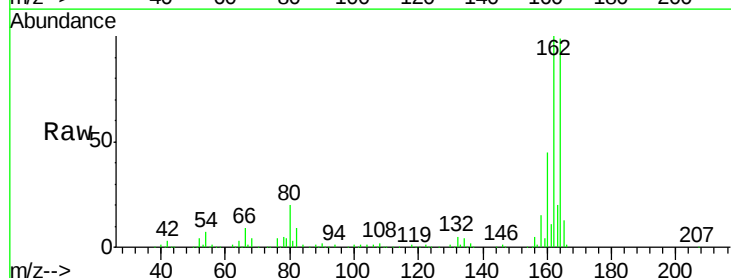
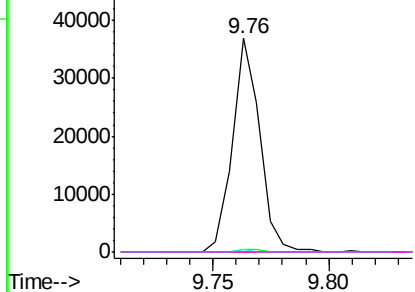
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	40.8	61.2#
89	0.9	56.9	85.3#
182	0.0	2.0	3.0#

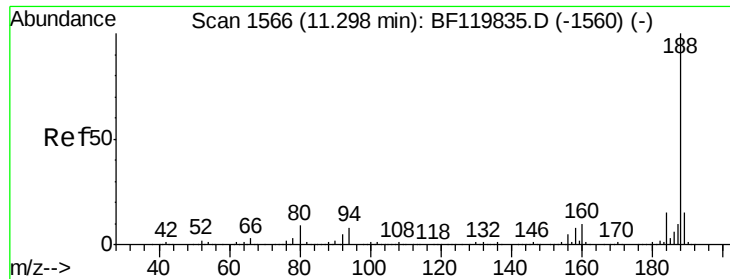
Abundance Ion 165.00 (164.70 to 165.70): E

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

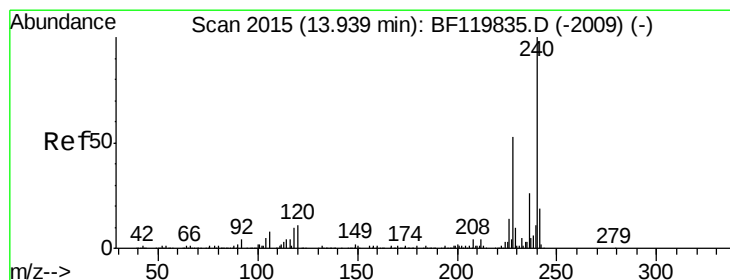
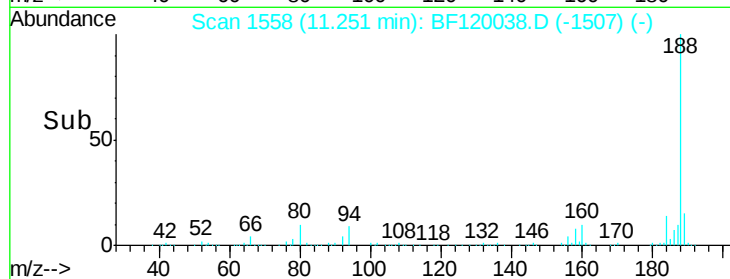
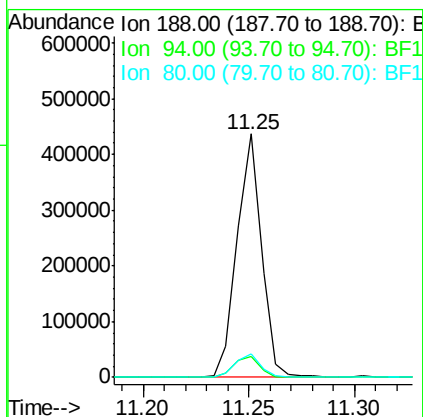
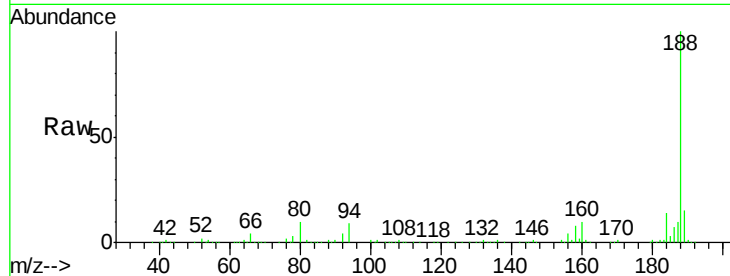




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF120038.D
Acq: 16 Apr 2020 16:09

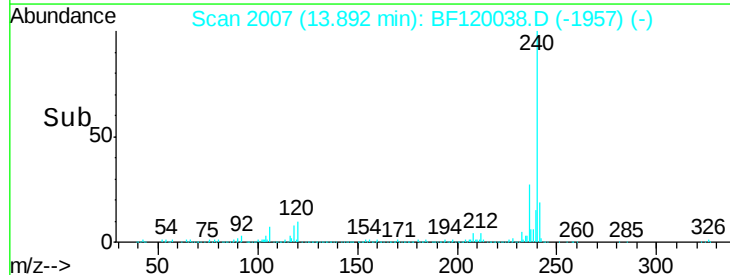
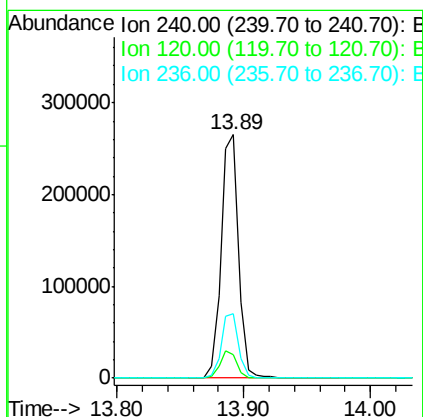
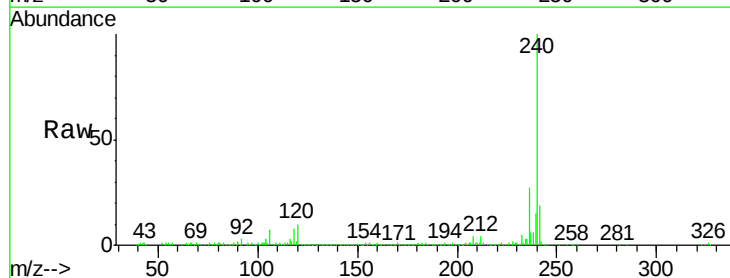
Instrument :
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ClientSampleId :
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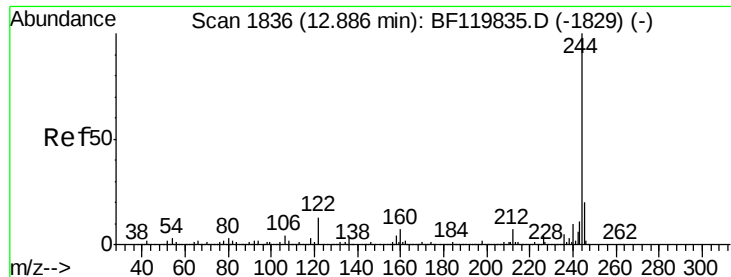
Tot Ion:188 Resp: 350170
Ion Ratio Lower Upper
188 100
94 8.6 6.7 10.1
80 9.5 7.4 11.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF120038.D
Acq: 16 Apr 2020 16:09

Tgt Ion:240 Resp: 253909
Ion Ratio Lower Upper
240 100
120 9.7 9.0 13.6
236 26.6 20.7 31.1

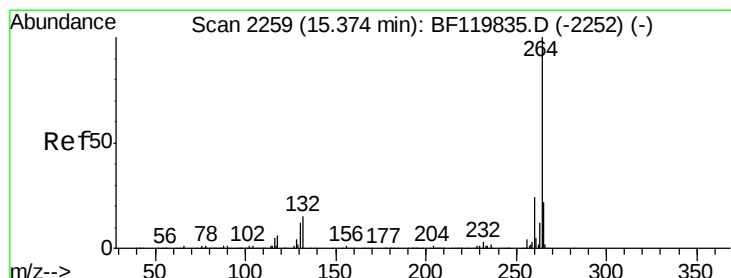
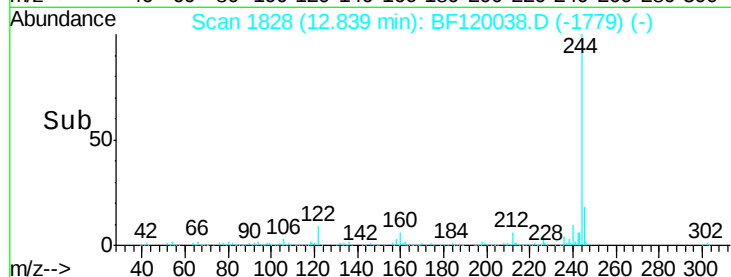
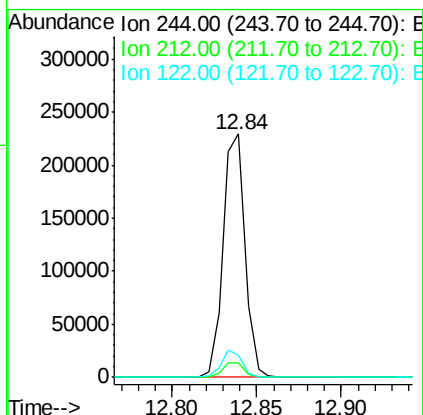
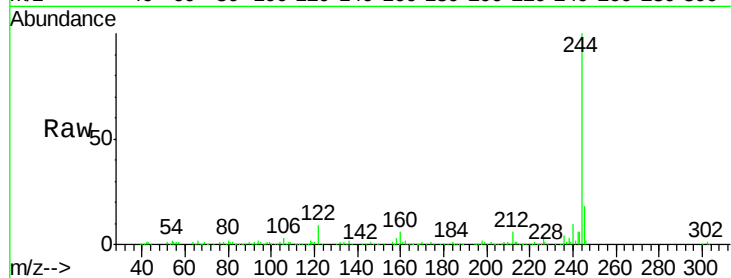




#79
 Terphenyl-d14
 Concen: 13.725 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF120038.D
 Acq: 16 Apr 2020 16:09

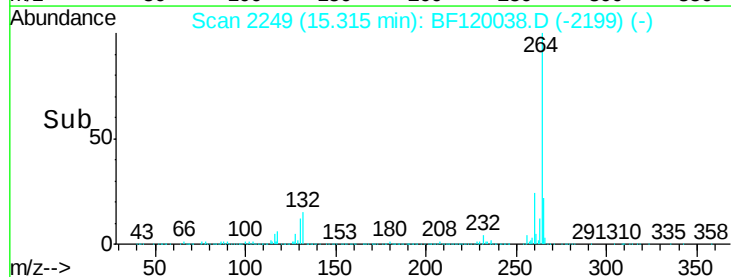
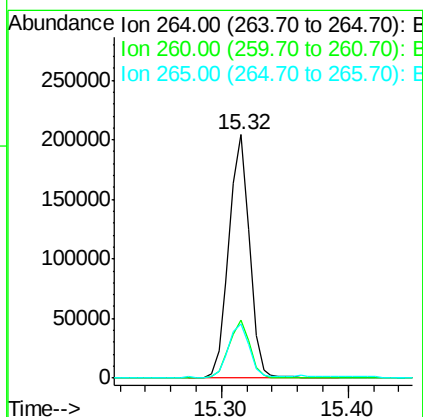
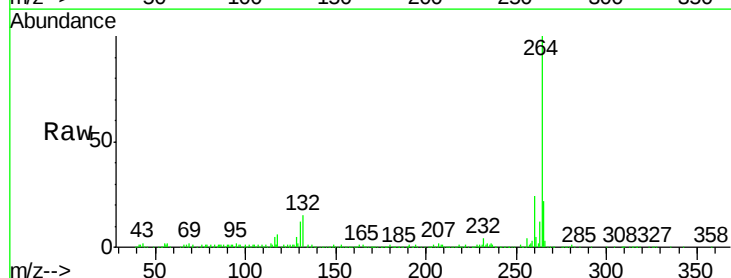
Instrument :
 BNA_F
 ClientSampleId :
 TP-31-30-COMP

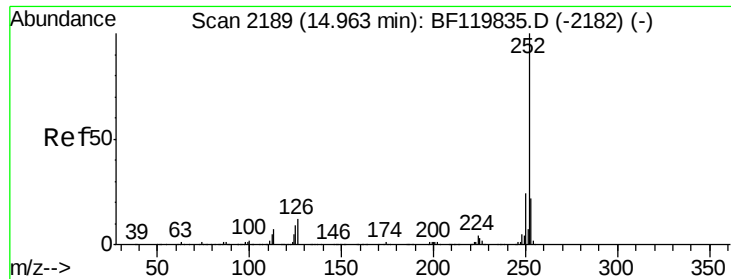
Tot Ion:244 Resp: 207113
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.4 8.0
 122 9.0 10.3 15.5#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2249
 Delta R.T. -0.01 min
 Lab File: BF120038.D
 Acq: 16 Apr 2020 16:09

Tgt Ion:264 Resp: 230232
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.3 28.9
 265 22.4 17.6 26.4

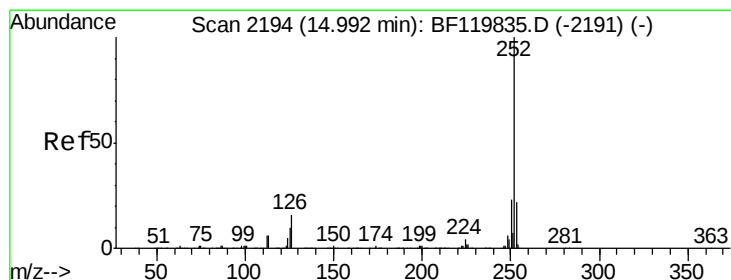
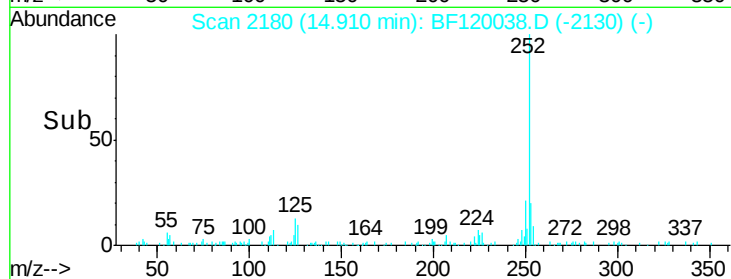
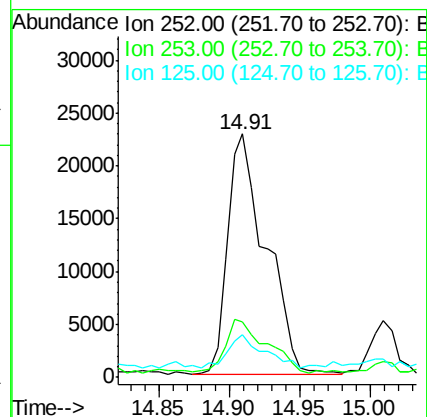
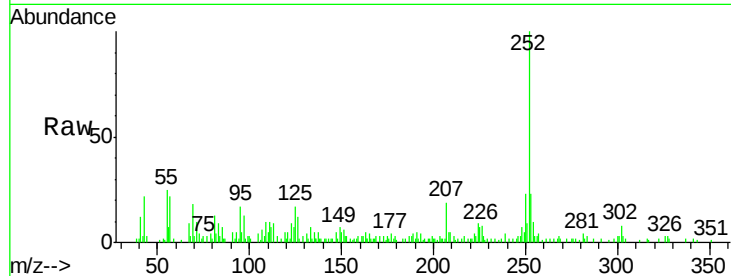




#88
Benzo(b)fluoranthene
Concen: 2.581 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF120038.D
Acq: 16 Apr 2020 16:09

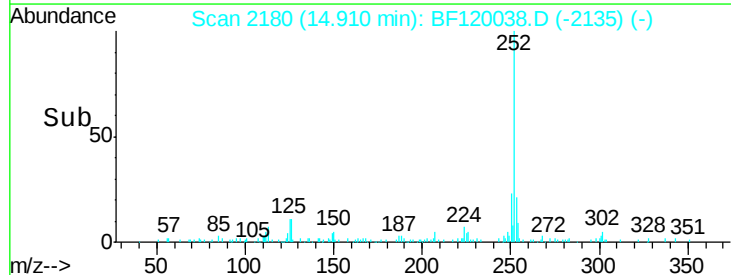
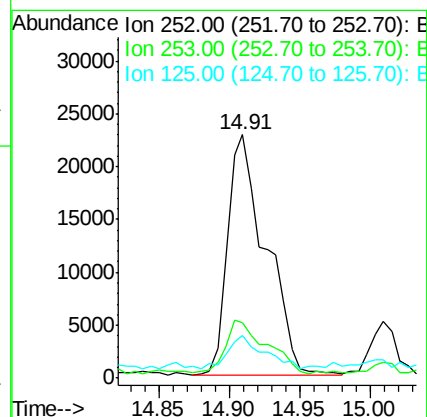
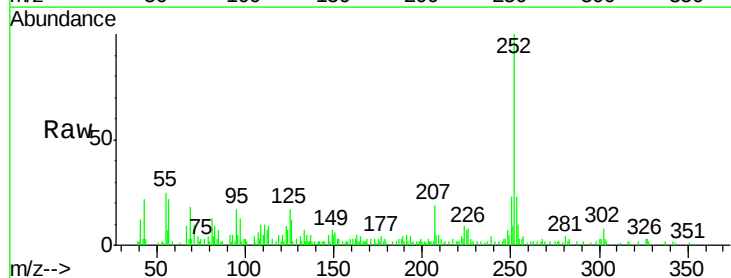
Instrument :
BNA_F
ClientSampleId :
TP-31-30-COMP

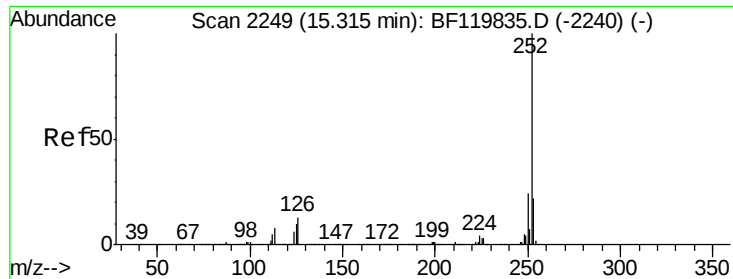
Tot Ion:252 Resp: 42746
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 17.3 7.4 11.2#



#89
Benzo(k)fluoranthene
Concen: 2.991 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.04 min
Lab File: BF120038.D
Acq: 16 Apr 2020 16:09

Tgt Ion:252 Resp: 42746
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 17.3 7.7 11.5#





#90

Benzo(a)pyrene

Concen: 2.241 ng

RT: 15.25 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BF120038.D

Acq: 16 Apr 2020 16:09

Instrument :

BNA_F

ClientSampleId :

TP-31-30-COMP

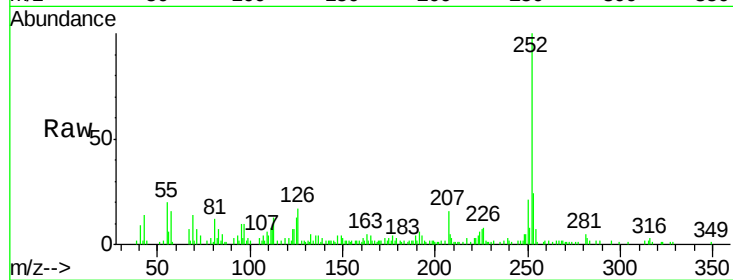
Tot Ion: 252 Resp: 31212

Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.2

125 12.9 8.3 12.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

