

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121618\
 Data File : BF111506.D
 Acq On : 16 Dec 2018 14:07
 Operator : JU/SJ
 Sample : J6303-03 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NR38-C1-110718

Quant Time: Dec 17 06:40:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

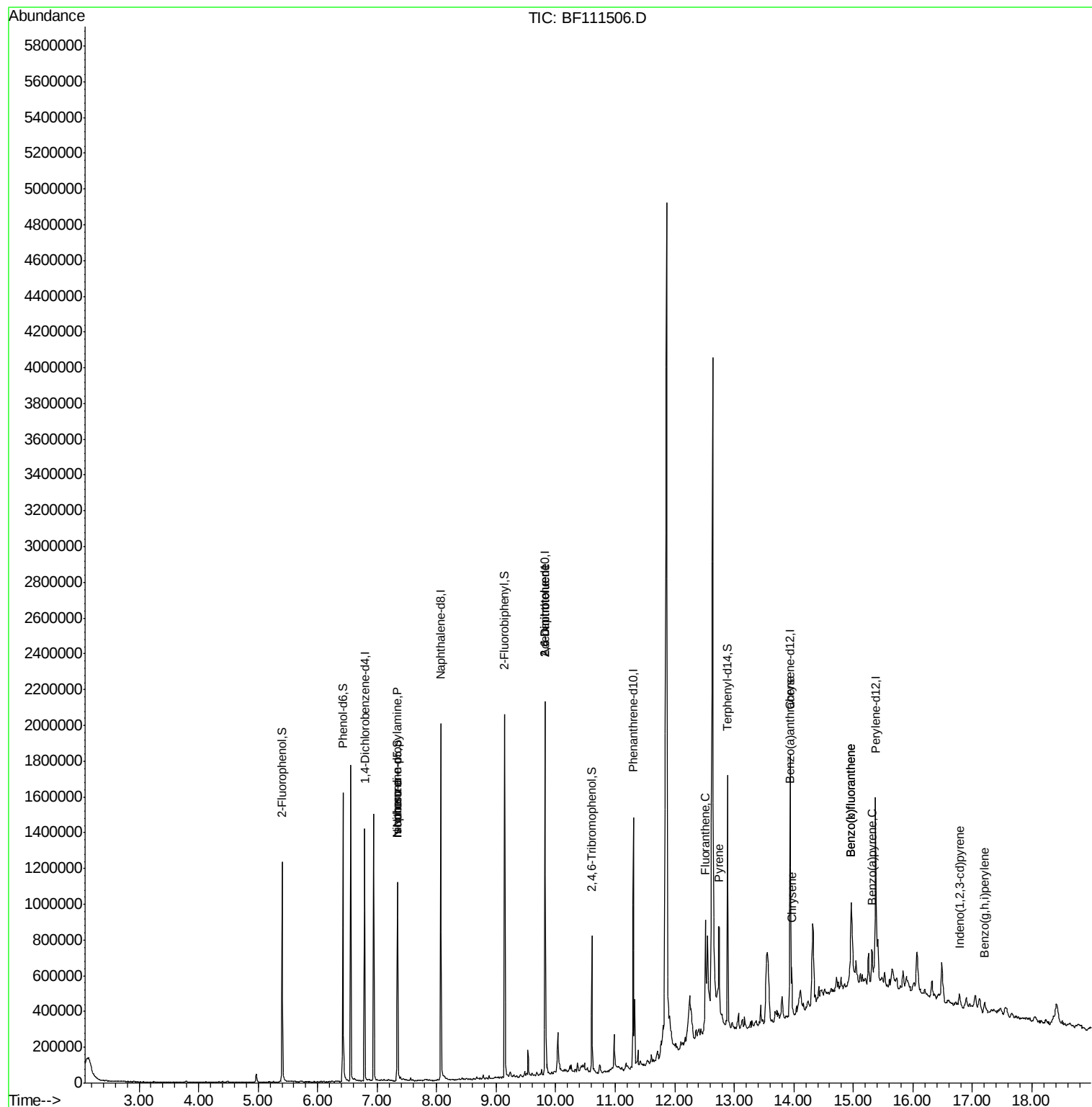
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	193805	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	825489	20.00	ng	-0.01
39) Acenaphthene-d10	9.82	164	390459	20.00	ng	-0.01
64) Phenanthrene-d10	11.30	188	480764	20.00	ng	-0.01
76) Chrysene-d12	13.94	240	445318	20.00	ng	-0.01
87) Perylene-d12	15.37	264	435248	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	372892	32.02	ng	-0.01
7) Phenol-d6	6.42	99	495174	31.96	ng	-0.02
23) Nitrobenzene-d5	7.34	82	348357	25.13	ng	-0.02
42) 2,4,6-Tribromophenol	10.60	330	78104	22.33	ng	-0.02
45) 2-Fluorobiphenyl	9.15	172	659610	26.09	ng	-0.01
79) Terphenyl-d14	12.89	244	431209	22.74	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.34	70	42988	4.206	ng	# 81
25) Isophorone	7.34	82	348355	14.852	ng	# 64
51) 2,6-Dinitrotoluene	9.82	165	51396	8.120	ng	# 29
57) 2,4-Dinitrotoluene	9.82	165	51396	6.187	ng	# 25
75) Fluoranthene	12.52	202	218731	9.025	ng	98
78) Pyrene	12.75	202	215716	6.871	ng	96
81) Benzo(a)anthracene	13.93	228	108674	4.488	ng	96
83) Chrysene	13.96	228	98425	3.859	ng	95
86) Indeno(1,2,3-cd)pyrene	16.78	276	41861	2.274	ng	94
88) Benzo(b)fluoranthene	14.96	252	168854	6.654	ng	# 91
89) Benzo(k)fluoranthene	14.96	252	168854	6.964	ng	# 90
90) Benzo(a)pyrene	15.31	252	95895	4.191	ng	# 94
92) Benzo(g,h,i)perylene	17.20	276	44486	2.511	ng	# 87

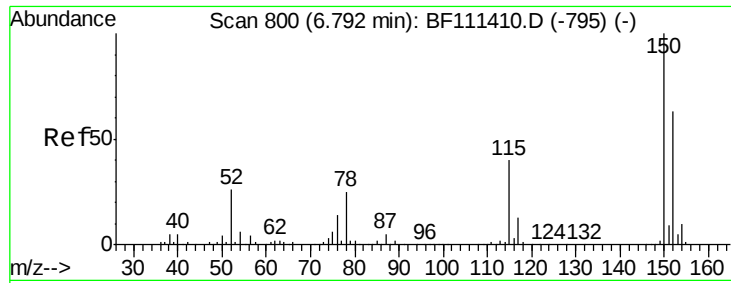
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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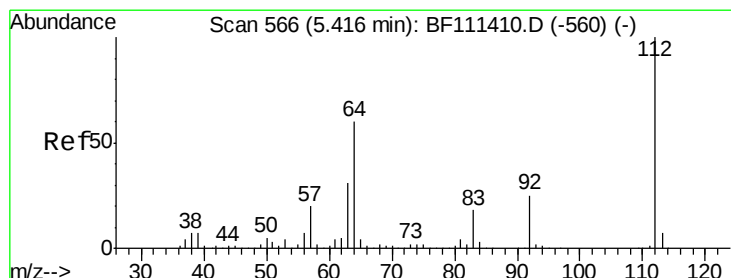
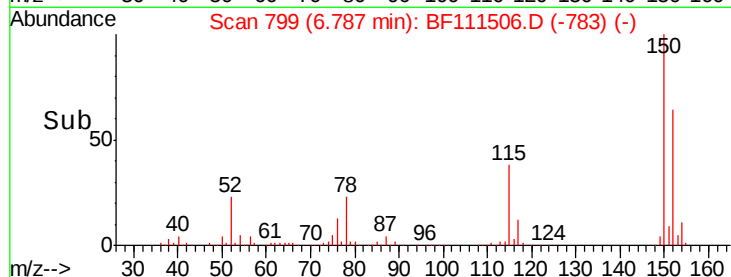
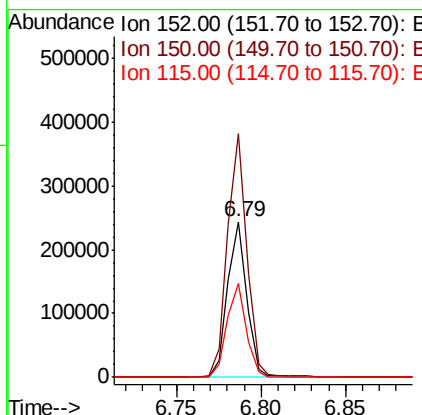
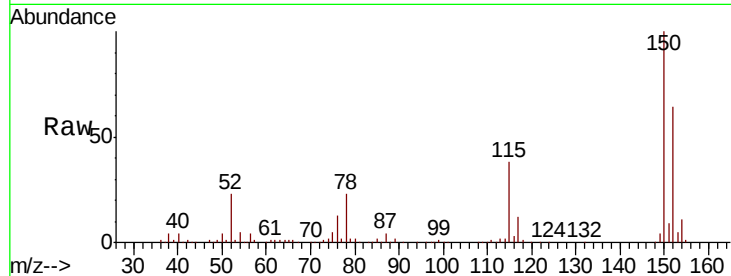




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF111506.D
 Acq: 16 Dec 2018 14:07

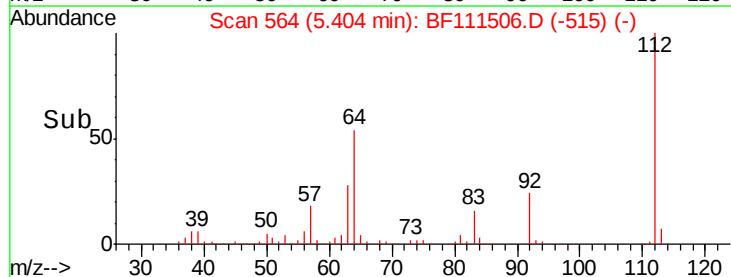
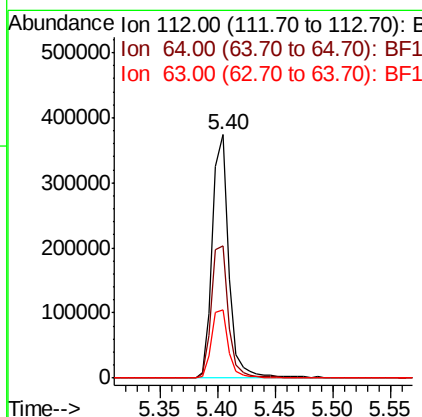
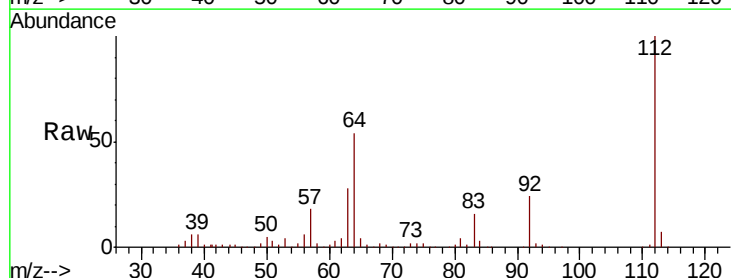
Instrument :
 BNA_F
 ClientSampleId :
 NR38-C1-110718

Tgt Ion:152 Resp: 193805
 Ion Ratio Lower Upper
 152 100
 150 156.5 126.6 189.8
 115 60.2 50.7 76.1



#5
 2-Fluorophenol
 Concen: 32.017 ng
 RT: 5.40 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: BF111506.D
 Acq: 16 Dec 2018 14:07

Tgt Ion:112 Resp: 372892
 Ion Ratio Lower Upper
 112 100
 64 54.3 51.8 77.6
 63 28.0 26.8 40.2





#7

Phenol-d6

Concen: 31.963 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF111506.D

Acq: 16 Dec 2018 14:07

Instrument :

BNA_F

ClientSampleId :

NR38-C1-110718

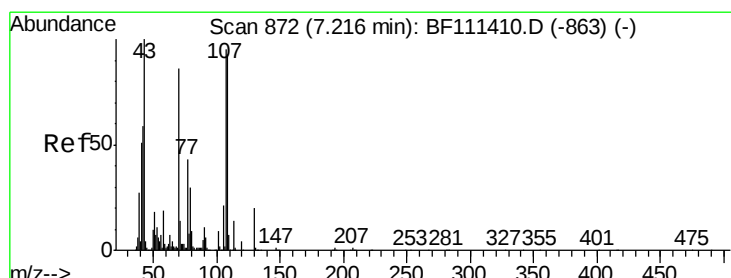
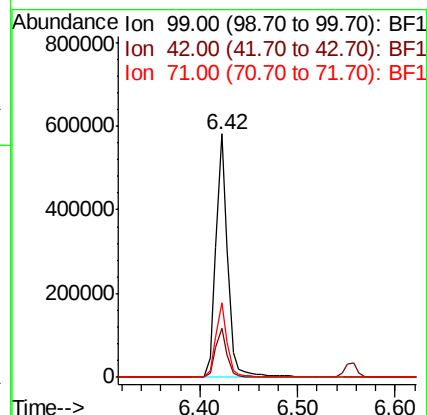
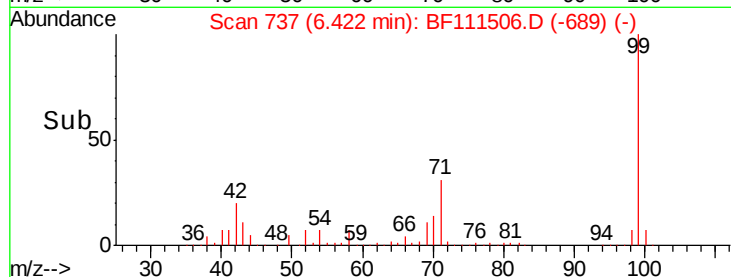
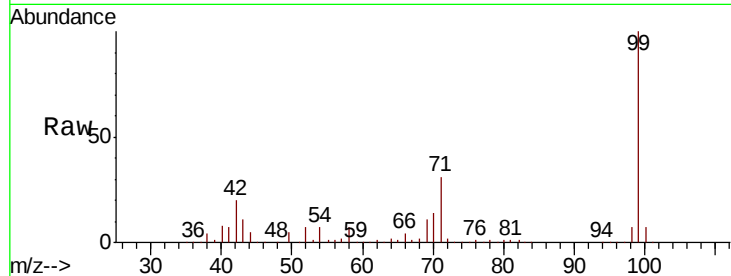
Tgt Ion: 99 Resp: 495174

Ion Ratio Lower Upper

99 100

42 20.1 17.4 26.0

71 30.6 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 4.206 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.12 min

Lab File: BF111506.D

Acq: 16 Dec 2018 14:07

Tgt Ion: 70 Resp: 42988

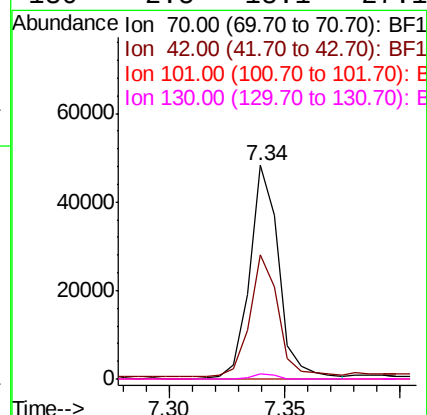
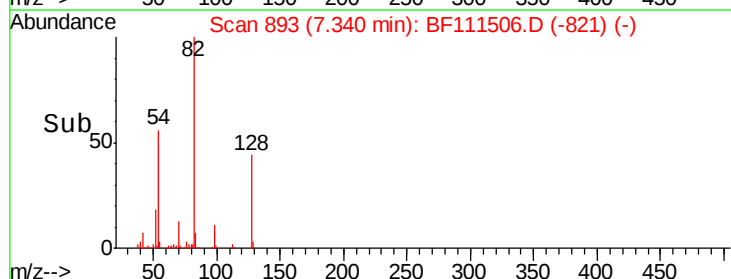
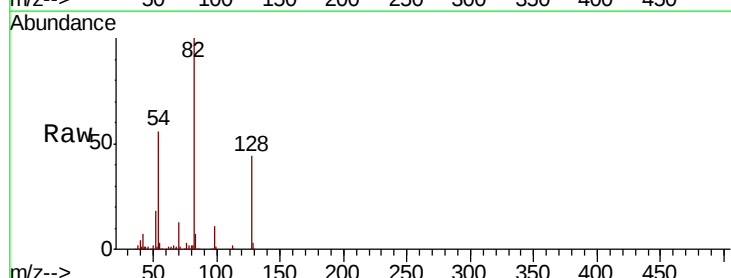
Ion Ratio Lower Upper

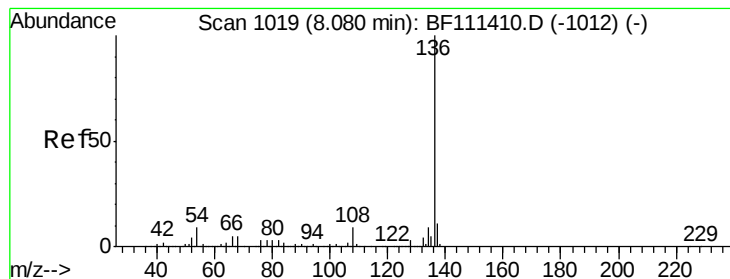
70 100

42 58.0 53.2 79.8

101 0.0 8.2 12.4#

130 2.5 18.1 27.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF111506.D

Acq: 16 Dec 2018 14:07

Instrument :

BNA_F

ClientSampleId :

NR38-C1-110718

Tgt Ion:136 Resp: 825489

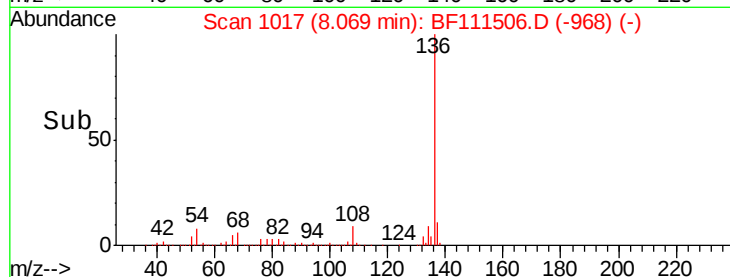
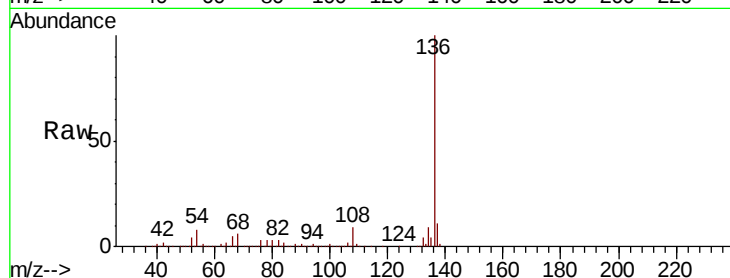
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 8.5 7.7 11.5

68 5.7 4.9 7.3

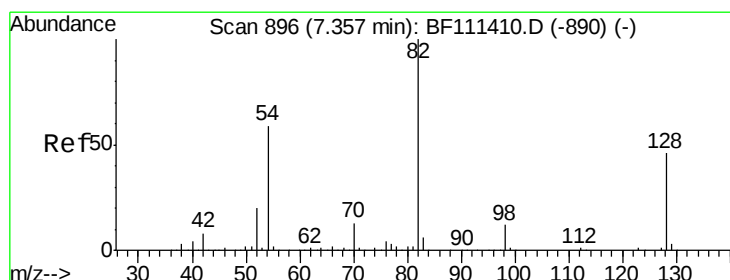
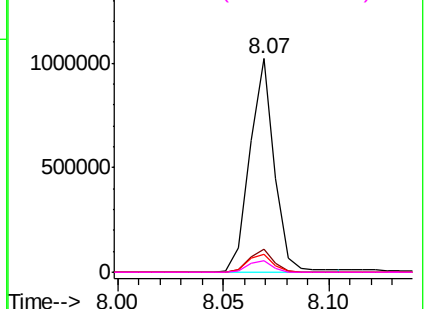


Abundance Ion 136.00 (135.70 to 136.70): E

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: 25.130 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.02 min

Lab File: BF111506.D

Acq: 16 Dec 2018 14:07

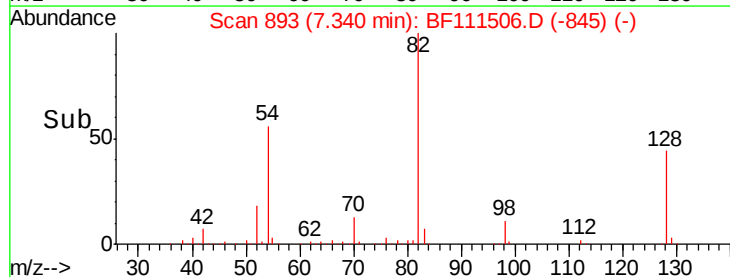
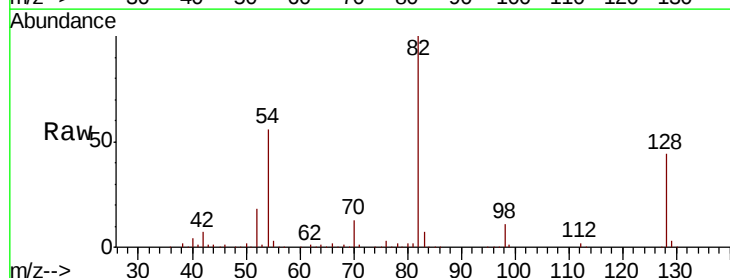
Tgt Ion: 82 Resp: 348357

Ion Ratio Lower Upper

82 100

128 44.2 37.4 56.2

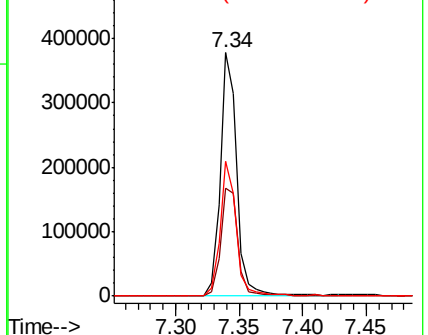
54 55.6 47.6 71.4

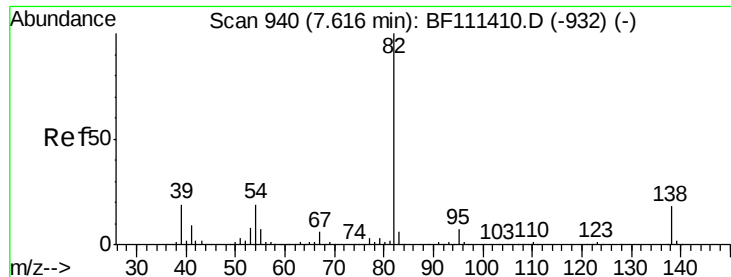


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

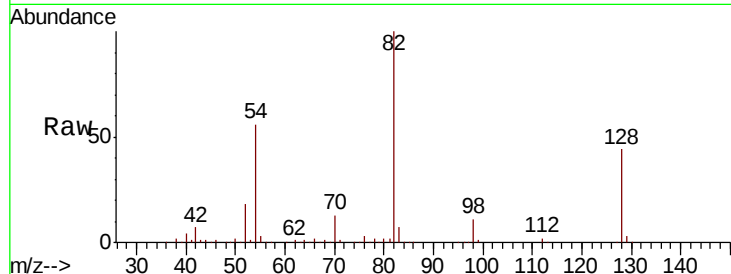




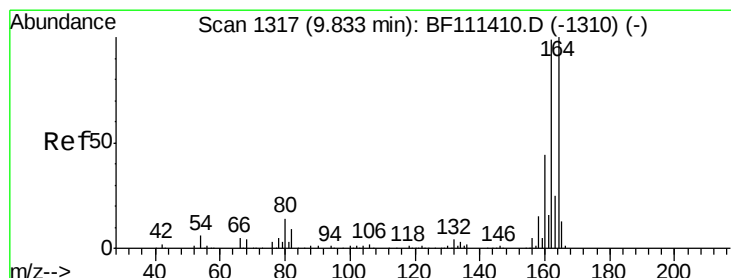
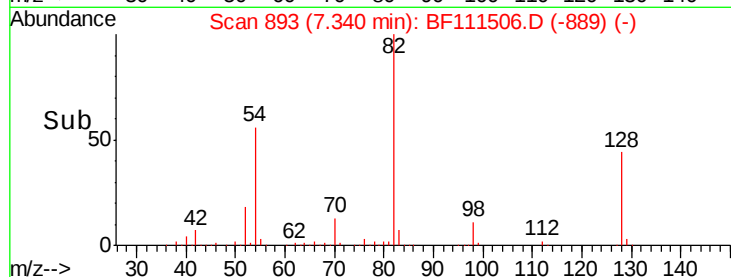
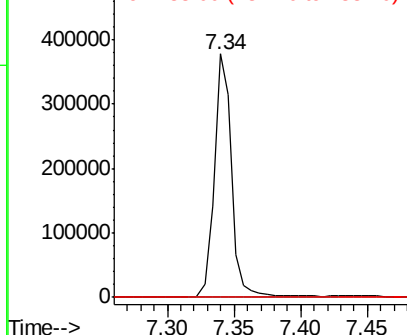
#25
Isophorone
Concen: 14.852 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.28 min
Lab File: BF111506.D
Acq: 16 Dec 2018 14:07

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NR38-C1-110718

Tgt Ion: 82 Resp: 348355
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.2#
138 0.0 15.1 22.7#

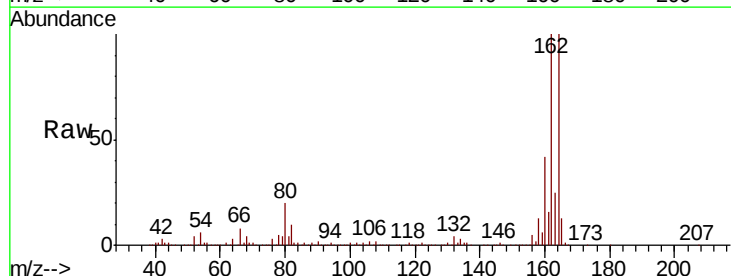


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): E

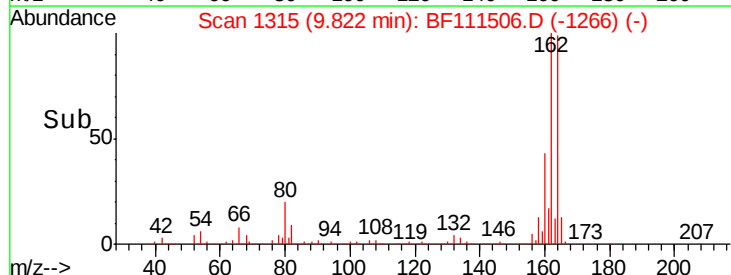
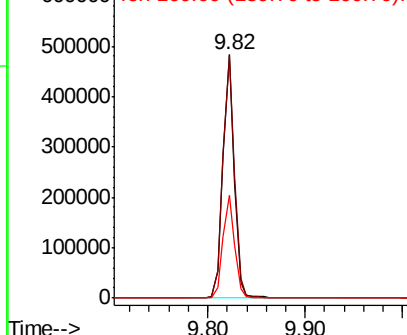


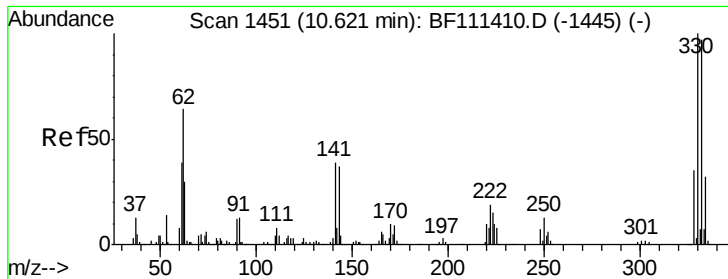
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF111506.D
Acq: 16 Dec 2018 14:07

Tgt Ion: 164 Resp: 390459
Ion Ratio Lower Upper
164 100
162 99.5 81.4 122.0
160 42.4 35.7 53.5



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

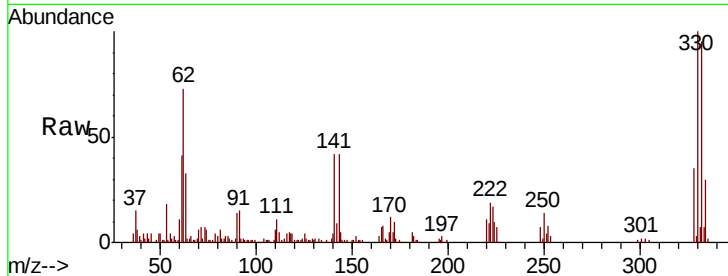




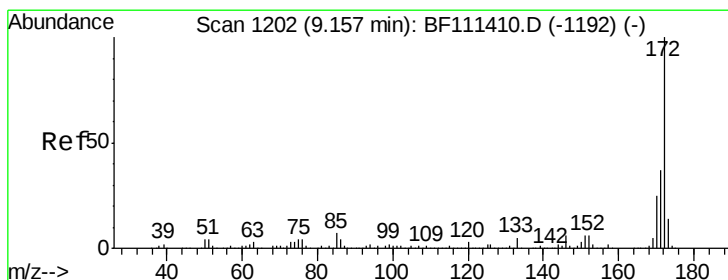
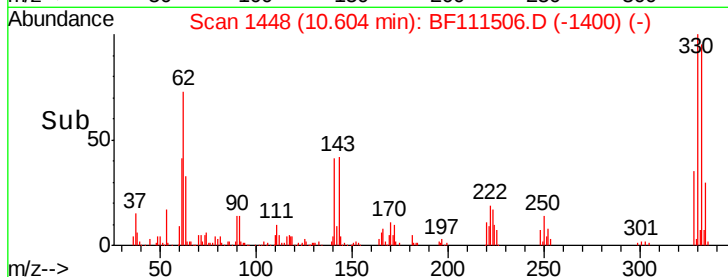
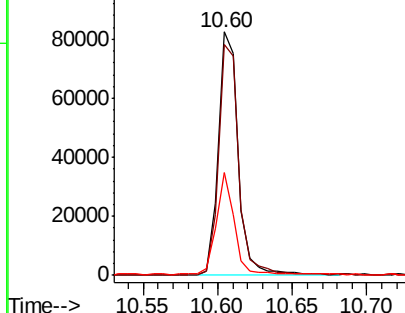
#42
 2,4,6-Tribromophenol
 Concen: 22.330 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.02 min
 Lab File: BF111506.D
 Acq: 16 Dec 2018 14:07

Instrument :
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 NR38-C1-110718

Tgt Ion:330 Resp: 78104
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.0 114.0
 141 39.2 31.0 46.6

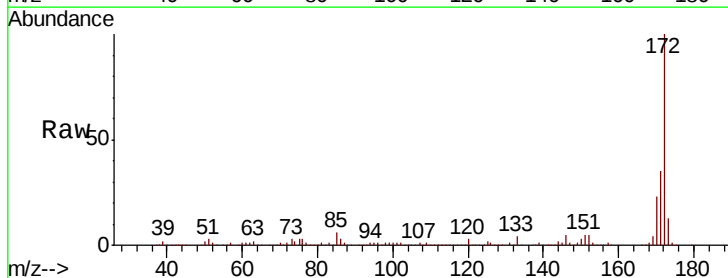


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

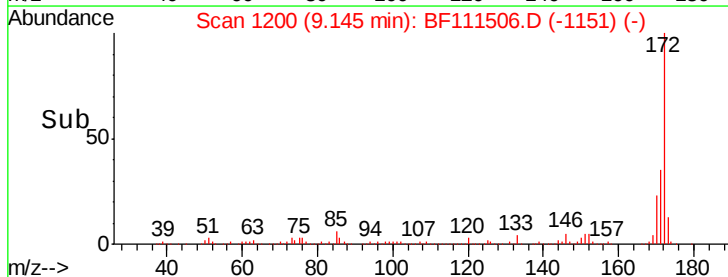
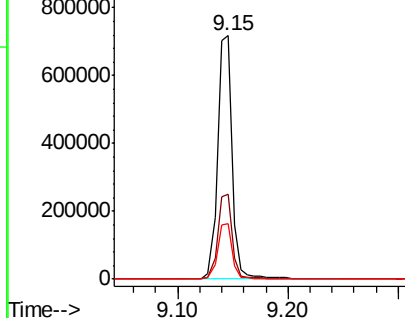


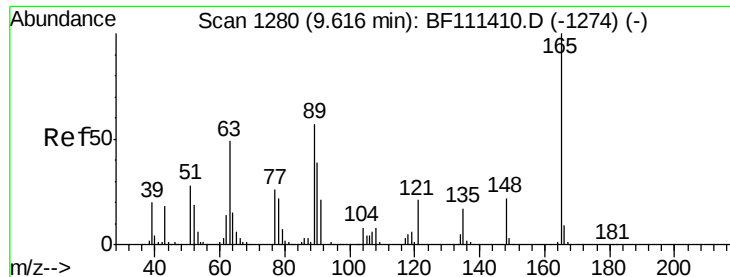
#45
 2-Fluorobiphenyl
 Concen: 26.094 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF111506.D
 Acq: 16 Dec 2018 14:07

Tgt Ion:172 Resp: 659610
 Ion Ratio Lower Upper
 172 100
 171 34.9 33.0 49.4
 170 23.0 22.3 33.5



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

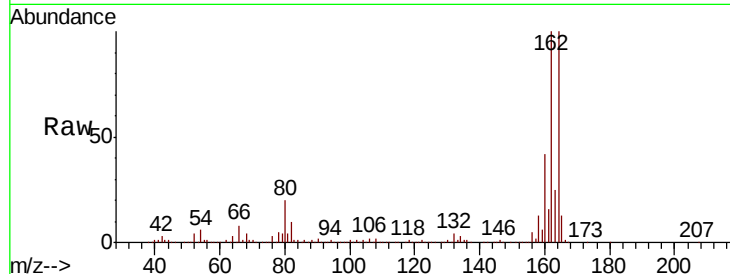




#51
 2,6-Dinitrotoluene
 Concen: 8.120 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.21 min
 Lab File: BF111506.D
 Acq: 16 Dec 2018 14:07

Instrument :
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 ClientSampleId :
 NR38-C1-110718

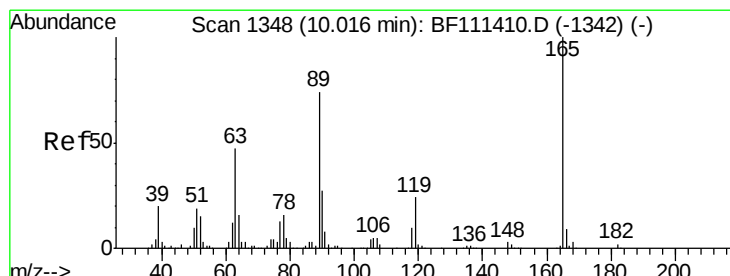
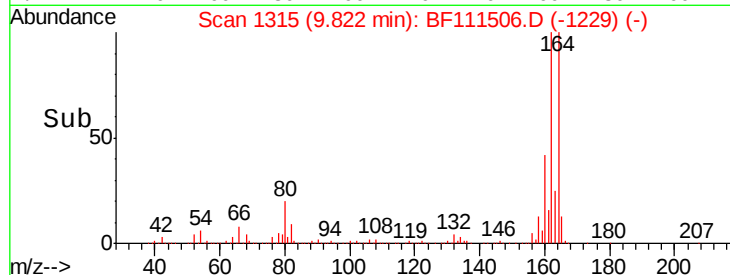
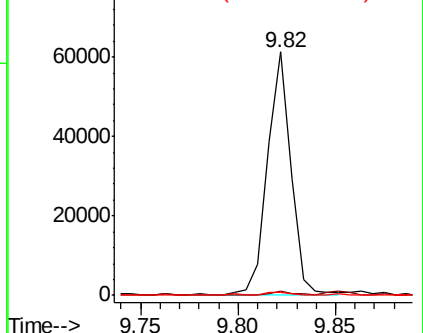
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	40.5	60.7#
89	1.2	40.0	60.0#



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: 6.187 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.19 min
 Lab File: BF111506.D
 Acq: 16 Dec 2018 14:07

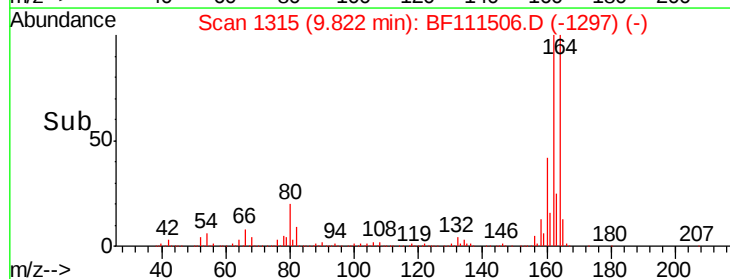
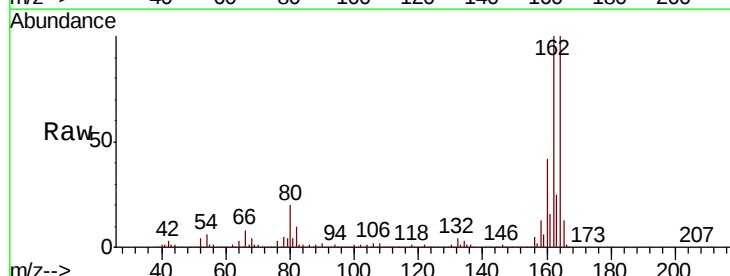
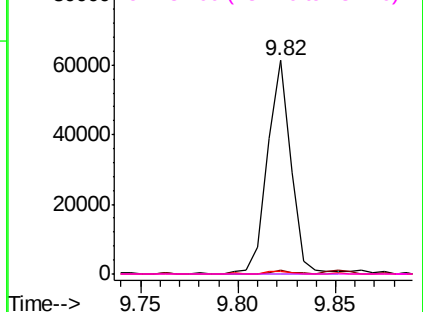
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	34.6	52.0#
89	1.2	56.2	84.4#
182	0.0	1.8	2.6#

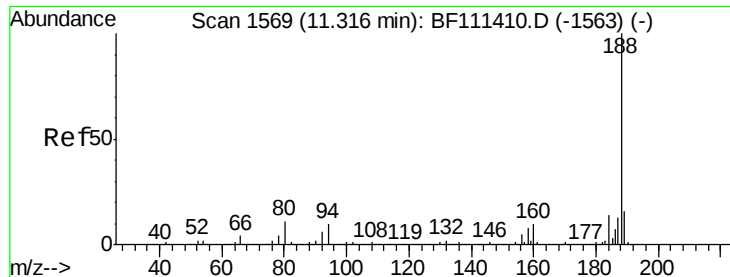
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.30 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BF111506.D

Acq: 16 Dec 2018 14:07

Instrument :

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NR38-C1-110718

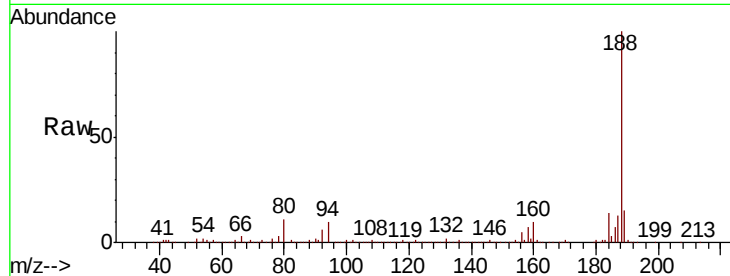
Tgt Ion:188 Resp: 480764

Ion Ratio Lower Upper

188 100

94 9.9 9.6 14.4

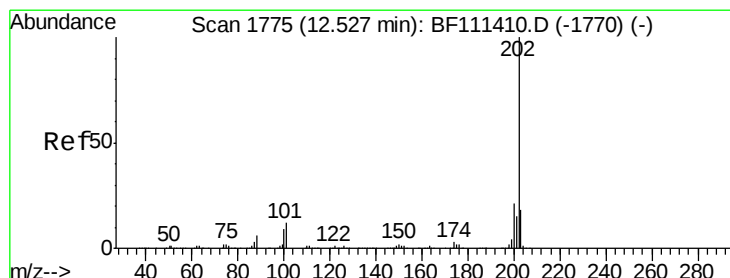
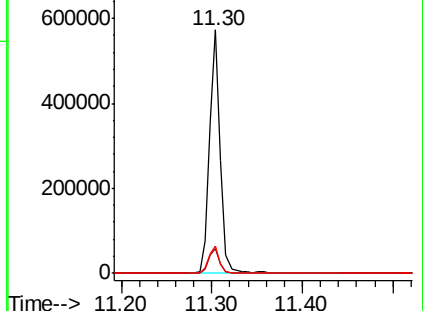
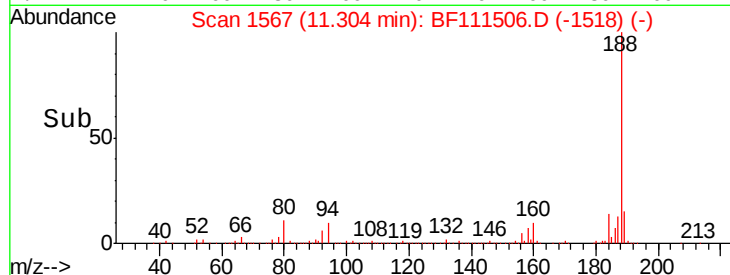
80 11.1 9.8 14.6



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



#75

Fluoranthene

Concen: 9.025 ng

RT: 12.52 min Scan# 1773

Delta R.T. -0.01 min

Lab File: BF111506.D

Acq: 16 Dec 2018 14:07

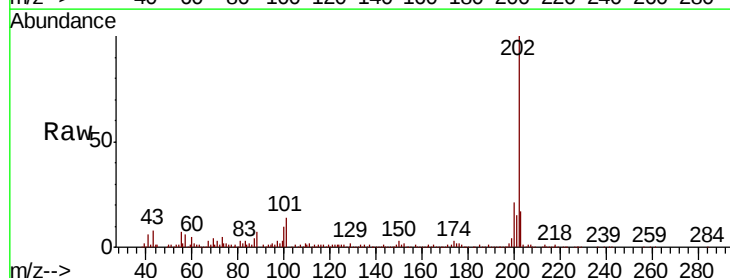
Tgt Ion:202 Resp: 218731

Ion Ratio Lower Upper

202 100

101 13.7 0.0 33.8

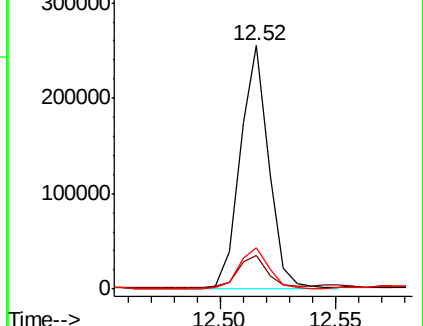
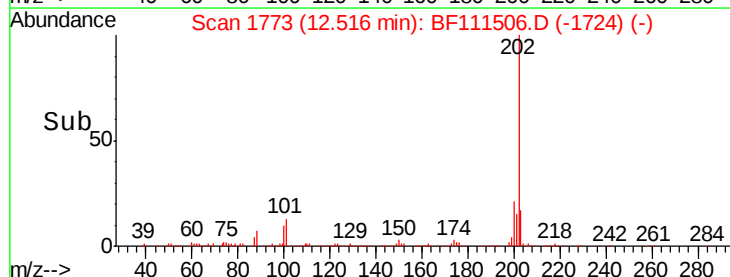
203 17.1 0.0 38.6

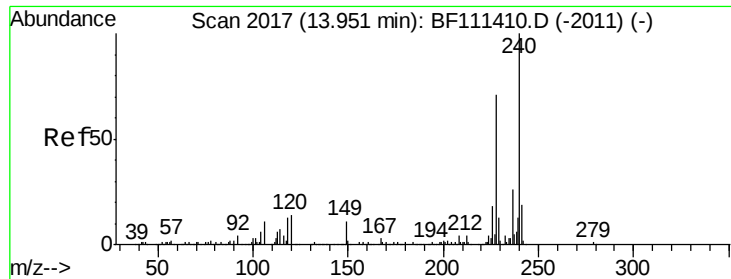


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

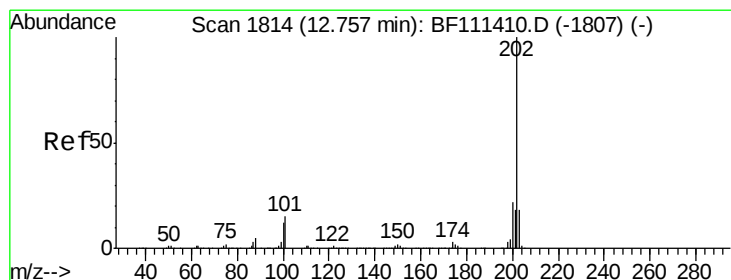
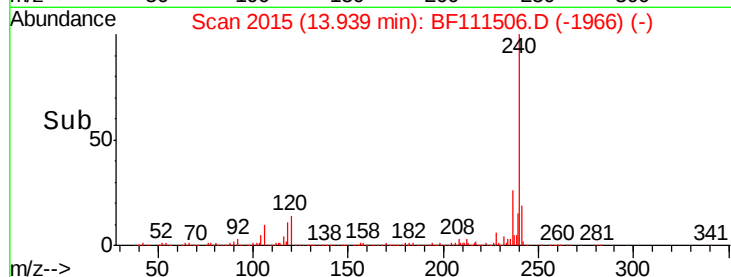
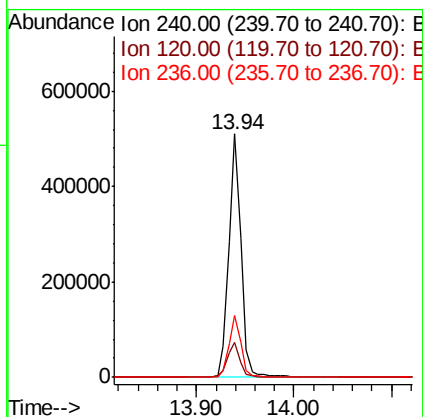
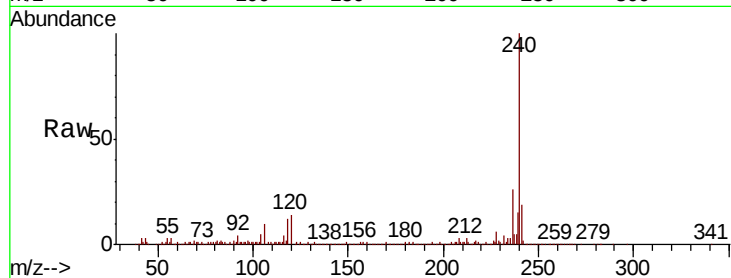




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF111506.D
Acq: 16 Dec 2018 14:07

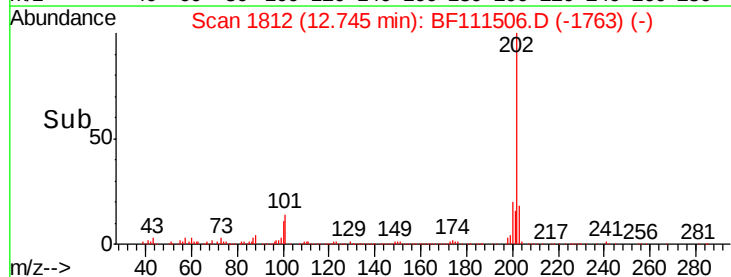
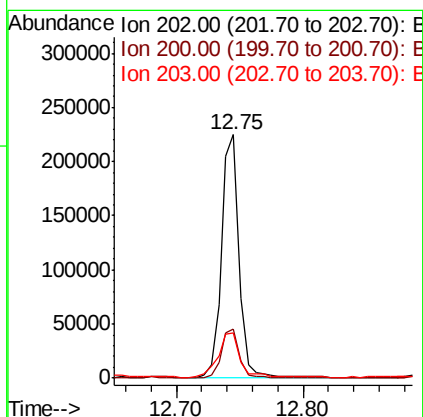
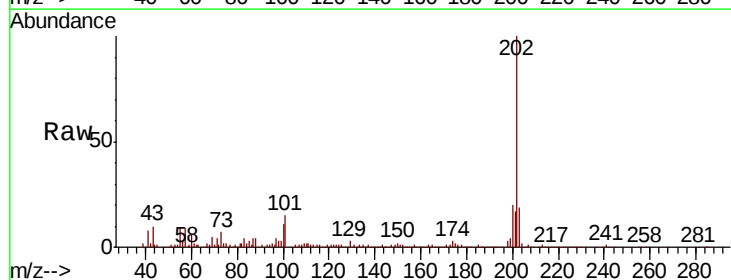
Instrument :
BNA_F
ClientSampleId :
NR38-C1-110718

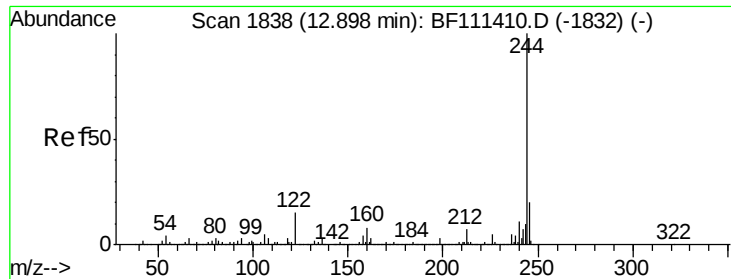
Tgt Ion:240 Resp: 445318
Ion Ratio Lower Upper
240 100
120 14.4 12.2 18.2
236 25.7 20.2 30.2



#78
Pyrene
Concen: 6.871 ng
RT: 12.75 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF111506.D
Acq: 16 Dec 2018 14:07

Tgt Ion:202 Resp: 215716
Ion Ratio Lower Upper
202 100
200 20.2 19.0 28.4
203 18.5 15.2 22.8





#79

Terphenyl-d14

Concen: 22.738 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF111506.D

Acq: 16 Dec 2018 14:07

Instrument :

BNA_F

ClientSampleId :

NR38-C1-110718

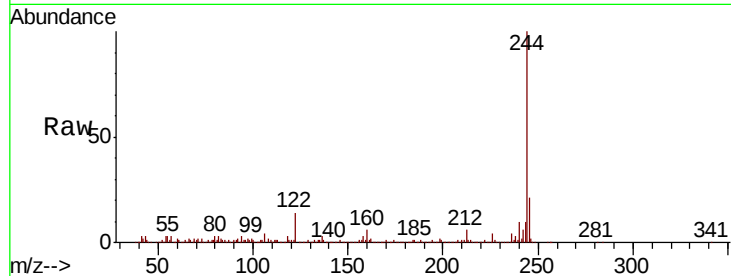
Tgt Ion:244 Resp: 431209

Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

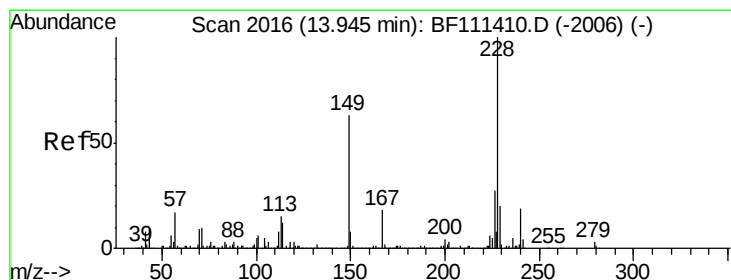
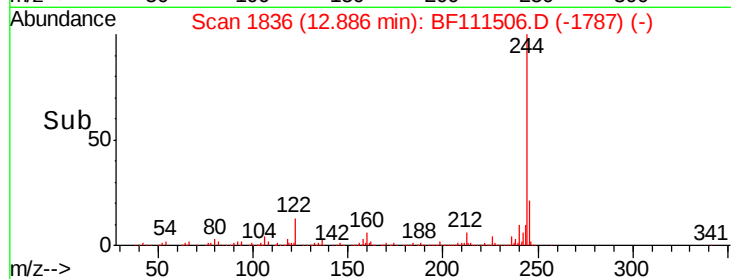
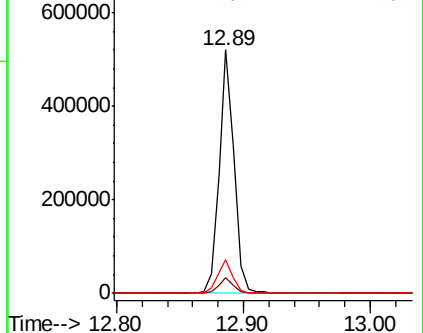
122 13.6 13.1 19.7



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



#81

Benzo(a)anthracene

Concen: 4.488 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.02 min

Lab File: BF111506.D

Acq: 16 Dec 2018 14:07

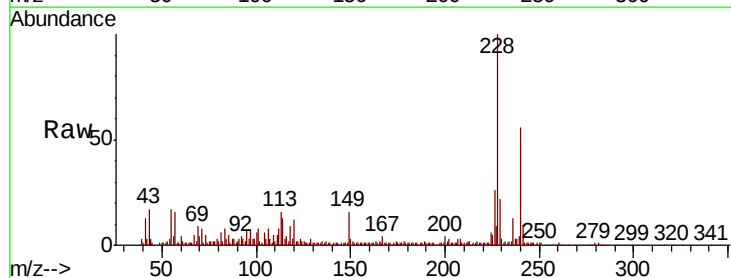
Tgt Ion:228 Resp: 108674

Ion Ratio Lower Upper

228 100

226 25.9 22.6 34.0

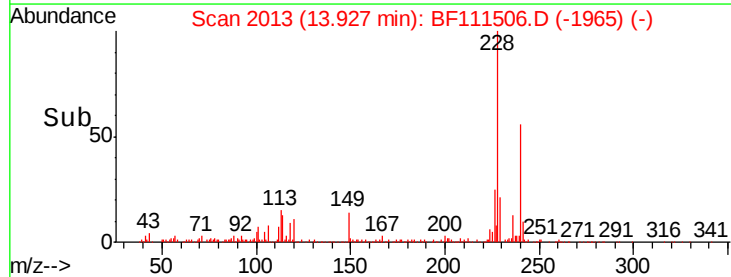
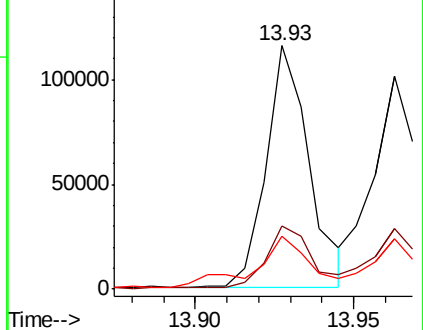
229 21.6 16.3 24.5

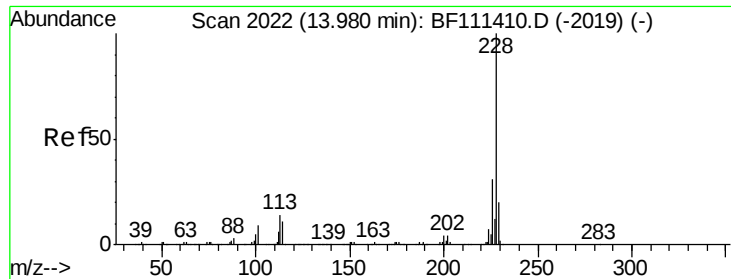


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.859 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BF111506.D

Acq: 16 Dec 2018 14:07

Instrument :

BNA_F

ClientSampleId :

NR38-C1-110718

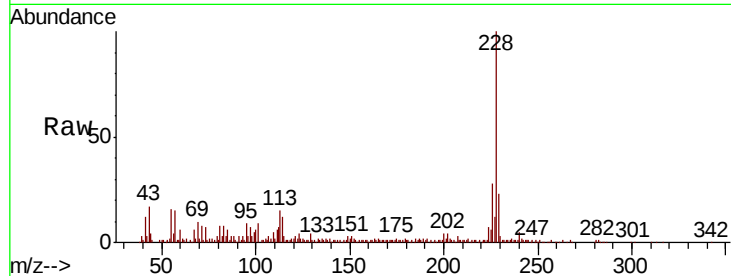
Tgt Ion:228 Resp: 98425

Ion Ratio Lower Upper

228 100

226 28.5 25.3 37.9

229 23.4 17.2 25.8

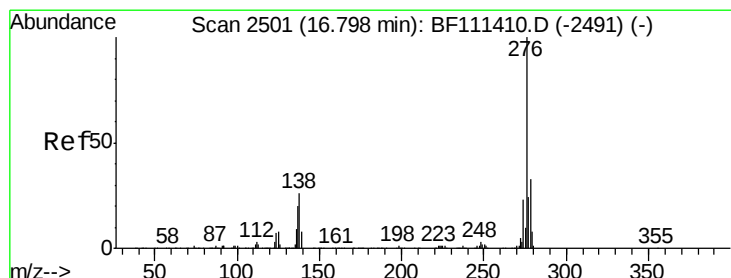
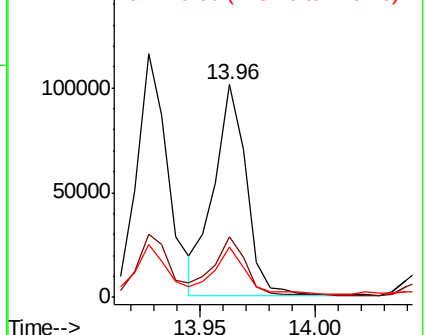
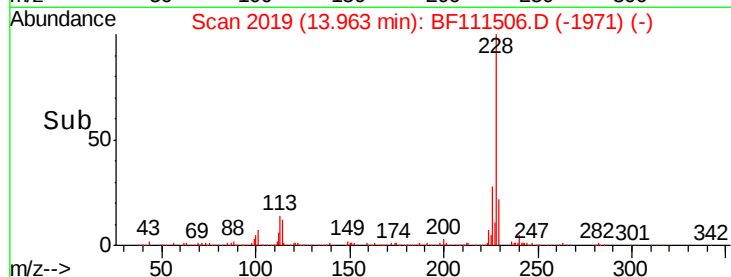


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.274 ng

RT: 16.78 min Scan# 2498

Delta R.T. -0.02 min

Lab File: BF111506.D

Acq: 16 Dec 2018 14:07

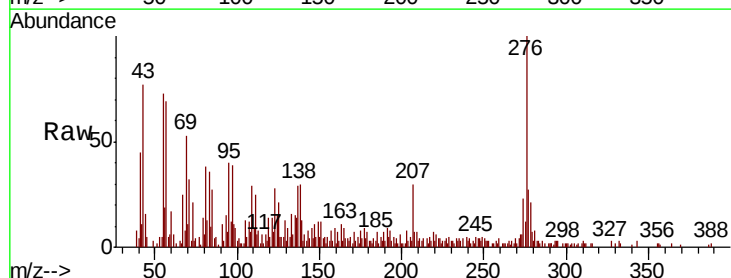
Tgt Ion:276 Resp: 41861

Ion Ratio Lower Upper

276 100

138 29.8 27.8 41.6

277 24.1 20.1 30.1

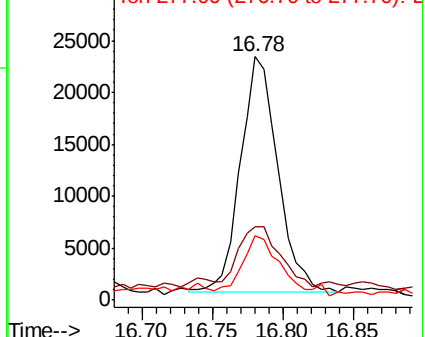
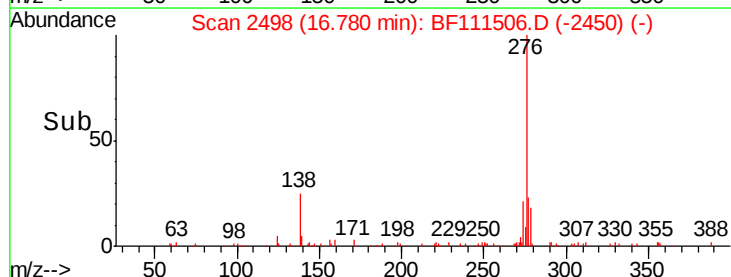


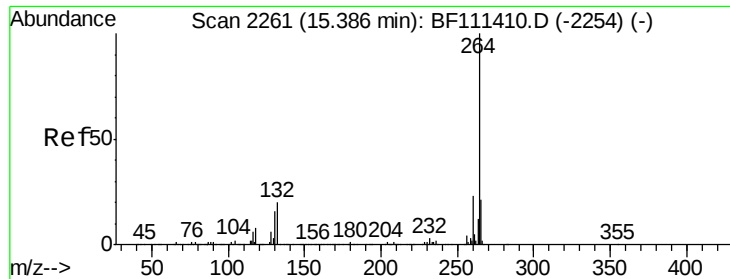
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

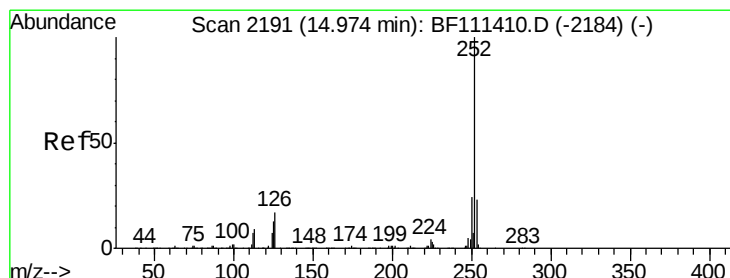
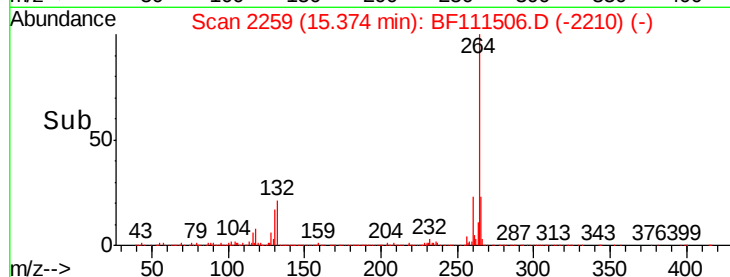
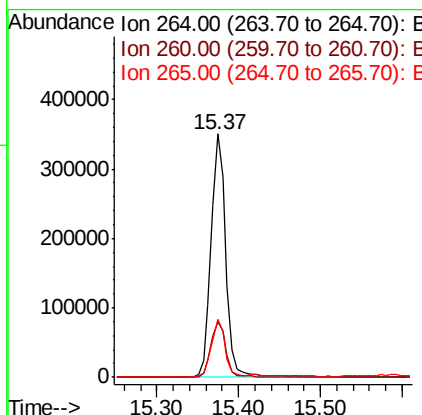
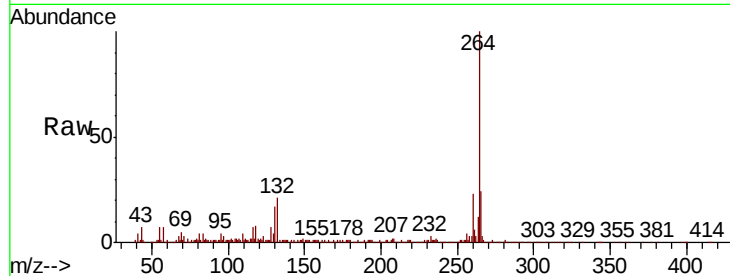




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF111506.D
Acq: 16 Dec 2018 14:07

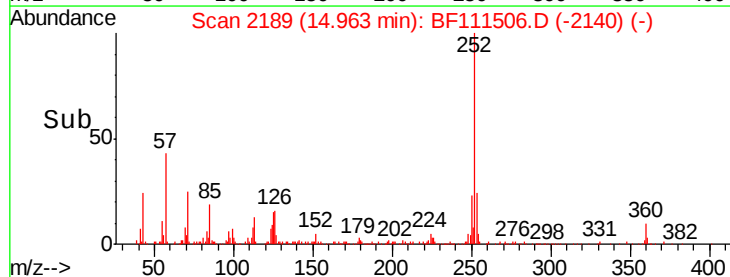
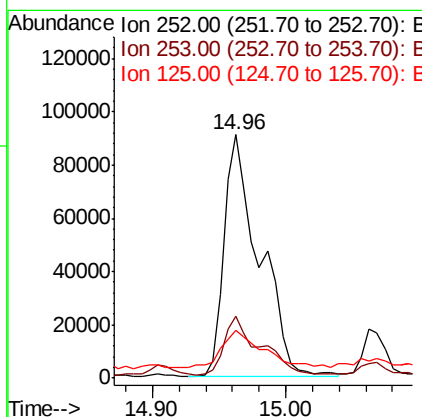
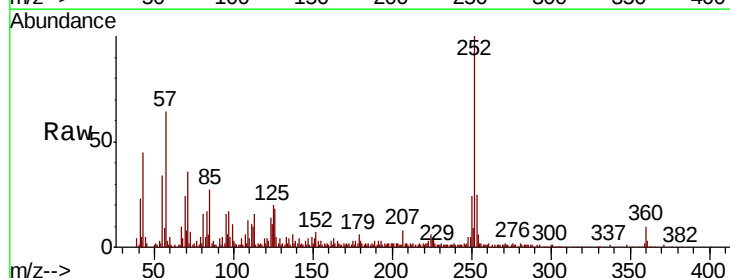
Instrument :
BNA_F
ClientSampleId :
NR38-C1-110718

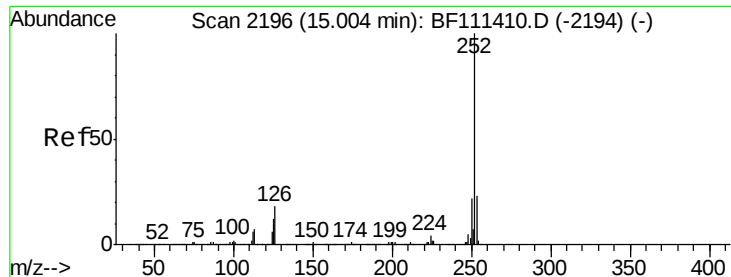
Tgt Ion:264 Resp: 435248
Ion Ratio Lower Upper
264 100
260 22.9 18.3 27.5
265 23.6 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 6.654 ng
RT: 14.96 min Scan# 2189
Delta R.T. -0.01 min
Lab File: BF111506.D
Acq: 16 Dec 2018 14:07

Tgt Ion:252 Resp: 168854
Ion Ratio Lower Upper
252 100
253 25.2 18.2 27.2
125 19.6 10.4 15.6#

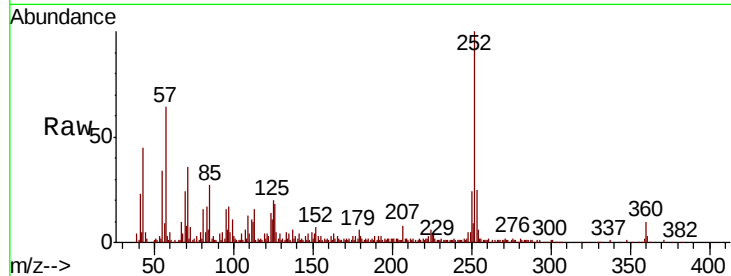




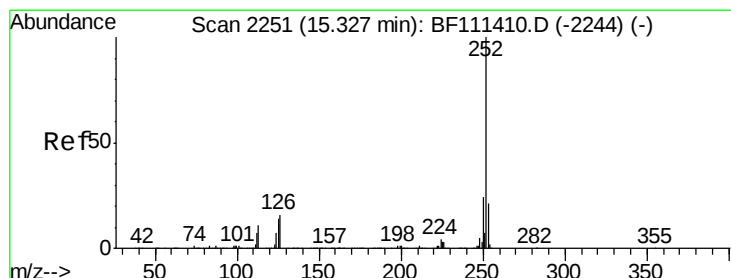
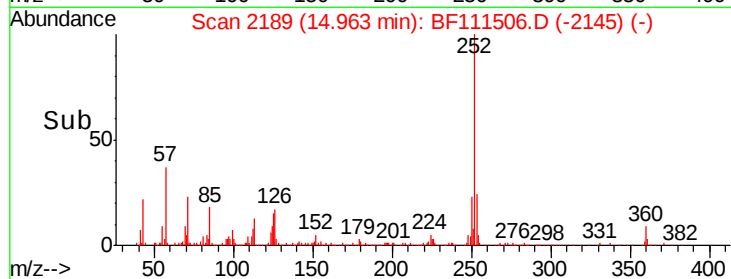
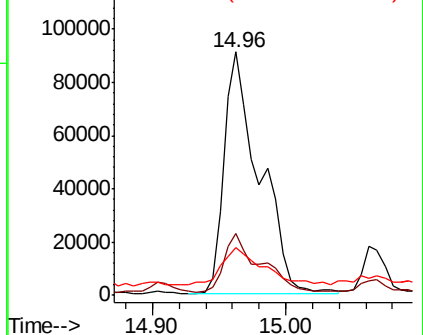
#89
Benzo(k)fluoranthene
Concen: 6.964 ng
RT: 14.96 min Scan# 2189
Delta R.T. -0.04 min
Lab File: BF111506.D
Acq: 16 Dec 2018 14:07

Instrument :
BNA_F
ClientSampleId :
NR38-C1-110718

Tgt Ion:252 Resp: 168854
Ion Ratio Lower Upper
252 100
253 25.2 18.1 27.1
125 19.6 9.8 14.8#

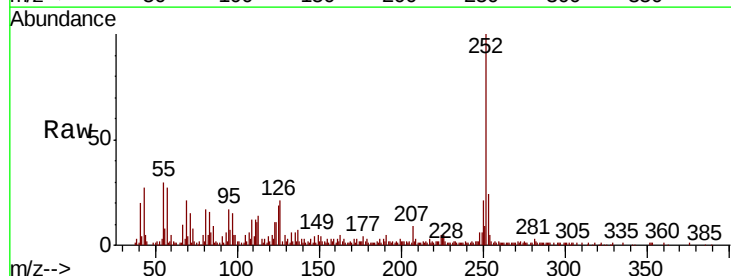


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

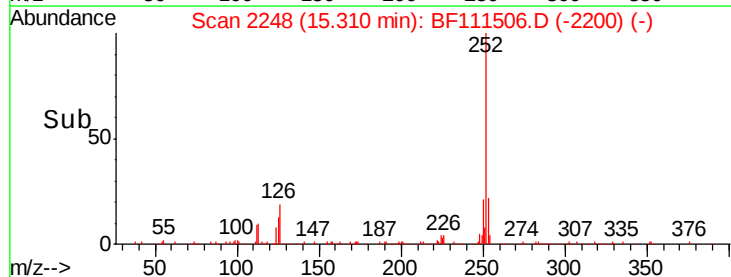
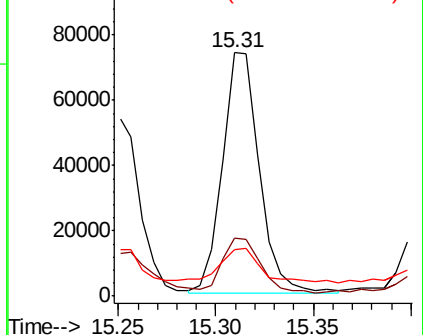


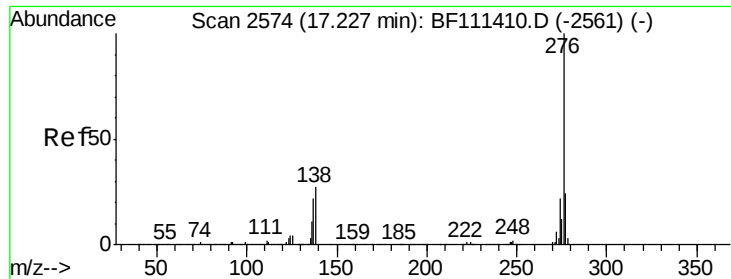
#90
Benzo(a)pyrene
Concen: 4.191 ng
RT: 15.31 min Scan# 2248
Delta R.T. -0.02 min
Lab File: BF111506.D
Acq: 16 Dec 2018 14:07

Tgt Ion:252 Resp: 95895
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 19.2 12.3 18.5#



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





#92

Benzo(g,h,i)perylene

Concen: 2.511 ng

RT: 17.20 min Scan# 2570

Delta R.T. -0.02 min

Lab File: BF111506.D

Acq: 16 Dec 2018 14:07

Instrument :

BNA_F

ClientSampleId :

NR38-C1-110718

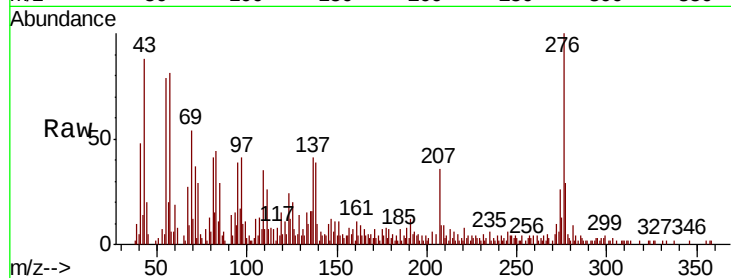
Tgt Ion:276 Resp: 44486

Ion Ratio Lower Upper

276 100

277 29.1 19.2 28.8#

138 39.0 24.9 37.3#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

