

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121118\
 Data File : BF111305.D
 Acq On : 12 Dec 2018 4:43
 Operator : JU/SJ
 Sample : J6148-01 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-MH-F

Quant Time: Dec 12 06:42:08 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 01:15:27 2018
 Response via : Initial Calibration

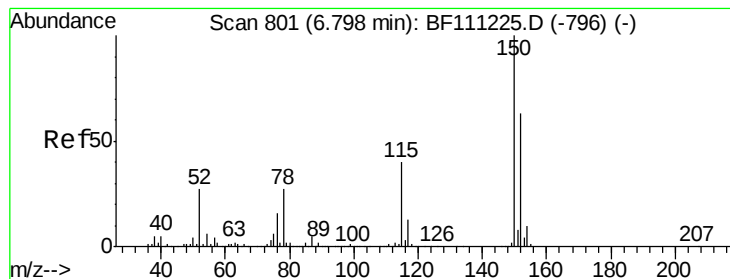
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	270606	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	1047252	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	429976	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	635392	20.00	ng	0.00
76) Chrysene-d12	13.96	240	558836	20.00	ng	0.00
87) Perylene-d12	15.40	264	405128	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	803152	46.87	ng	0.00
7) Phenol-d6	6.43	99	1016878	47.75	ng	0.00
23) Nitrobenzene-d5	7.35	82	585321	31.35	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	158444	41.60	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	956262	30.74	ng	-0.01
79) Terphenyl-d14	12.90	244	661919	28.41	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.34	77	2431	Below Cal	#	81
10) Phenol	6.44	94	72246	2.901 ng		90
19) n-Nitroso-di-n-propylamine	7.35	70	76454	5.359 ng	#	83
25) Isophorone	7.35	82	575471	18.096 ng	#	64
46) 1,1'-Biphenyl	9.25	154	9090	Below Cal		91
49) Acenaphthylene	9.69	152	171622	4.202 ng		93
51) 2,6-Dinitrotoluene	9.83	165	57810	8.251 ng	#	30
71) Phenanthrene	11.34	178	414249	12.926 ng		94
72) Anthracene	11.39	178	157209	4.689 ng		96
75) Fluoranthene	12.53	202	760882	25.990 ng		99
78) Pyrene	12.76	202	1042394	26.102 ng		96
80) Butylbenzylphthalate	13.39	149	1154626	55.355 ng		93
81) Benzo(a)anthracene	13.95	228	546594	17.532 ng		94
83) Chrysene	13.98	228	508625	15.825 ng		97
84) Bis(2-ethylhexyl)phthalate	13.95	149	58333	2.353 ng		96
86) Indeno(1,2,3-cd)pyrene	16.80	276	182508	7.034 ng		91
88) Benzo(b)fluoranthene	14.98	252	611892	27.311 ng		96
89) Benzo(k)fluoranthene	14.98	252	611892	29.049 ng	#	95
90) Benzo(a)pyrene	15.33	252	346254	16.783 ng		99
91) Dibenzo(a,h)anthracene	16.82	278	47142	2.909 ng	#	87
92) Benzo(g,h,i)perylene	17.23	276	202180	12.463 ng		96

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

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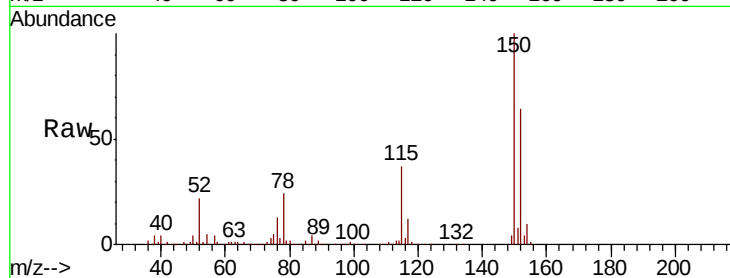


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Instrument :
BNA_F
ClientSampleId :
TP-MH-F

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.7	126.6	189.8
115	58.1	50.7	76.1

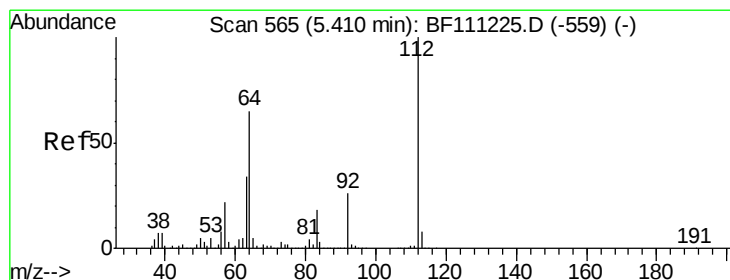
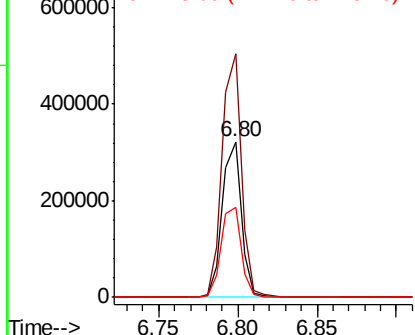
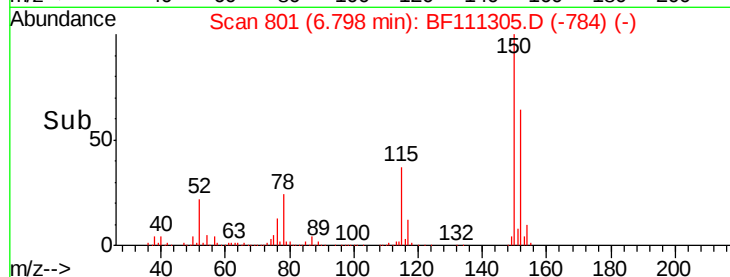


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

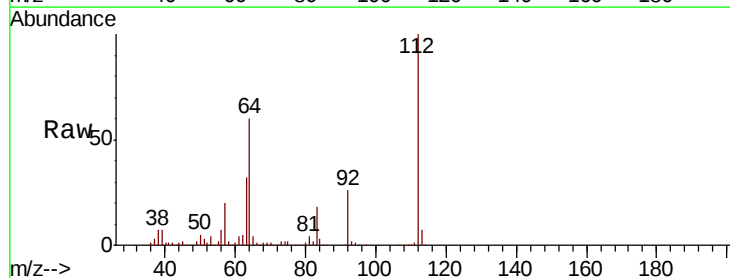
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 46.866 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.9	51.8	77.6
63	31.6	26.8	40.2

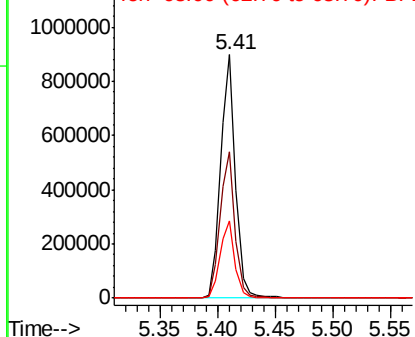
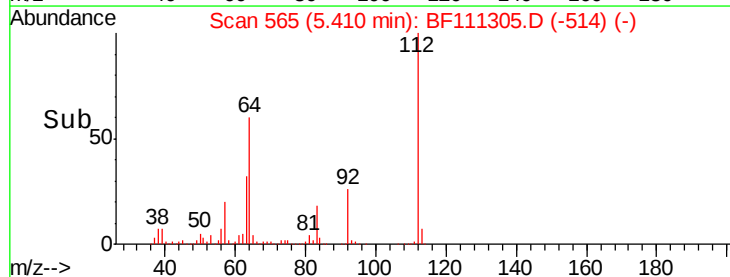


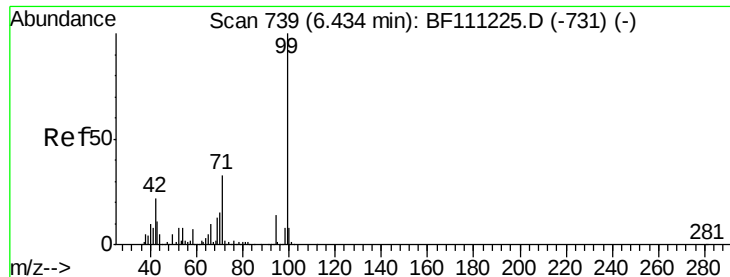
Abundance

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: 47.747 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111305.D

Acq: 12 Dec 2018 4:43

Instrument :

BNA_F

ClientSampleId :

TP-MH-F

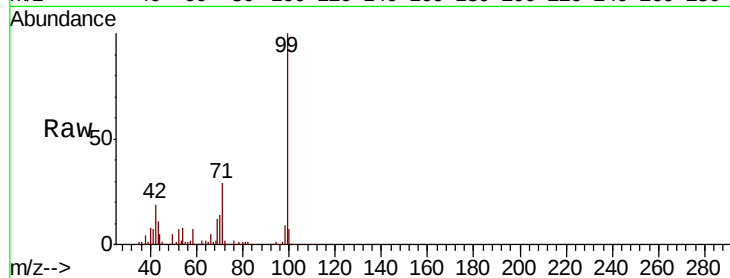
Tgt Ion: 99 Resp: 1016878

Ion Ratio Lower Upper

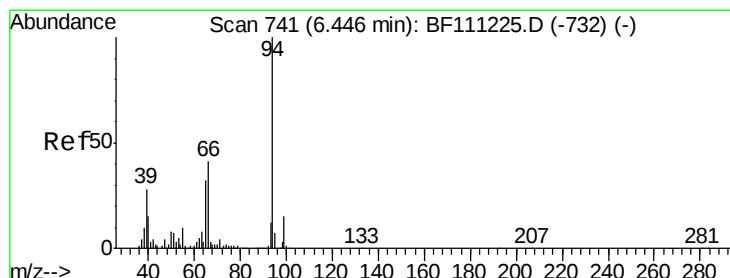
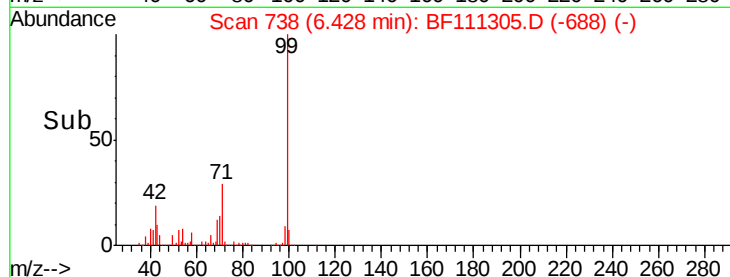
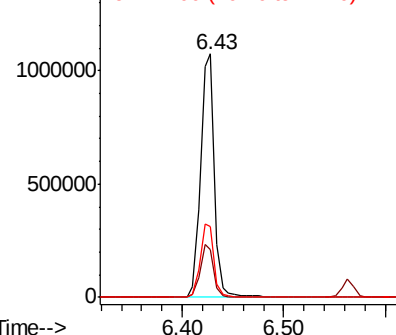
99 100

42 19.4 17.4 26.0

71 29.3 26.1 39.1



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



#10

Phenol

Concen: 2.901 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF111305.D

Acq: 12 Dec 2018 4:43

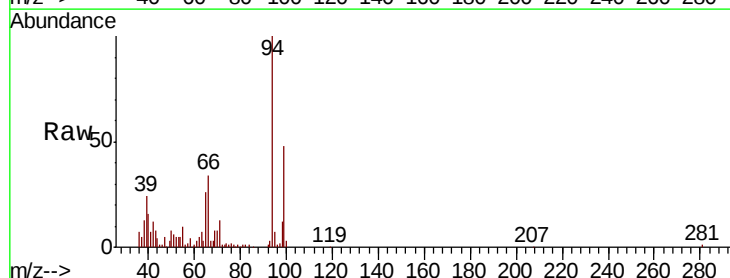
Tgt Ion: 94 Resp: 72246

Ion Ratio Lower Upper

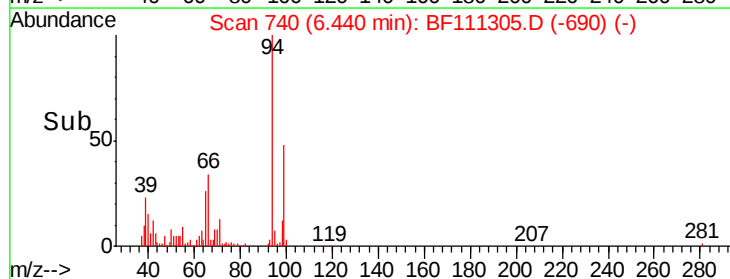
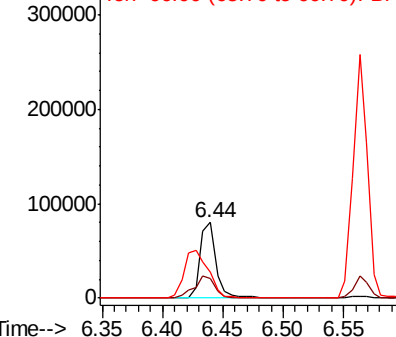
94 100

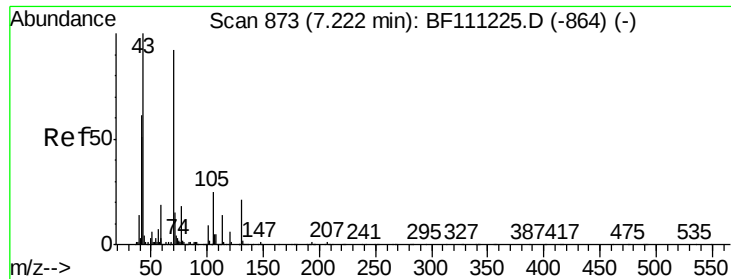
65 26.4 11.7 51.7

66 34.5 21.0 61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

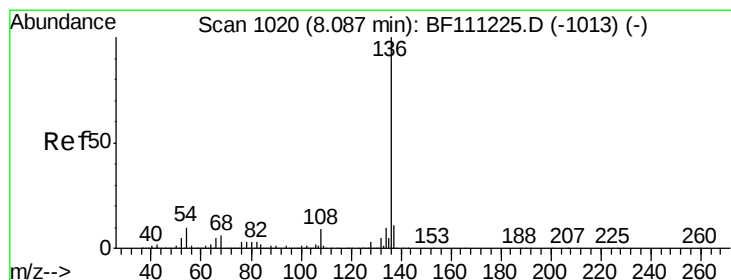
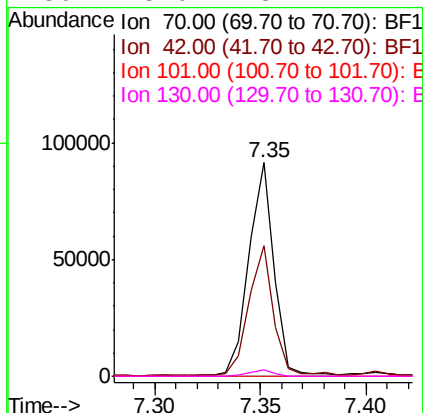
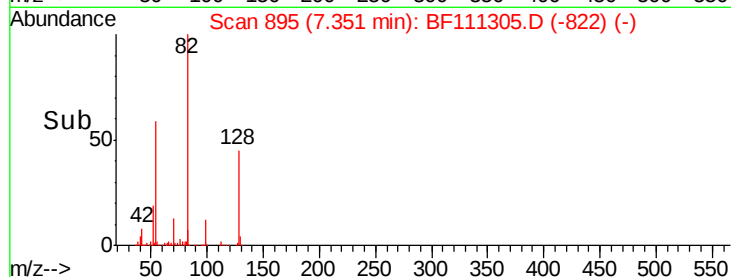
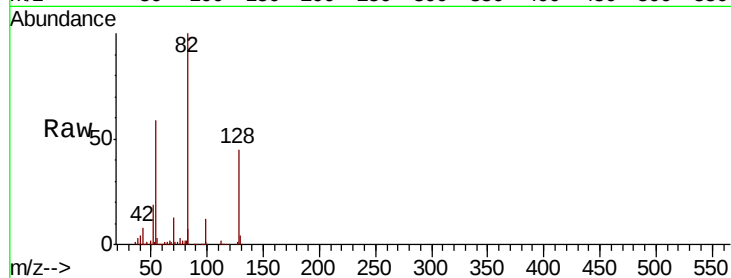




#19
n-Nitroso-di-n-propylamine
Concen: 5.359 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.13 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

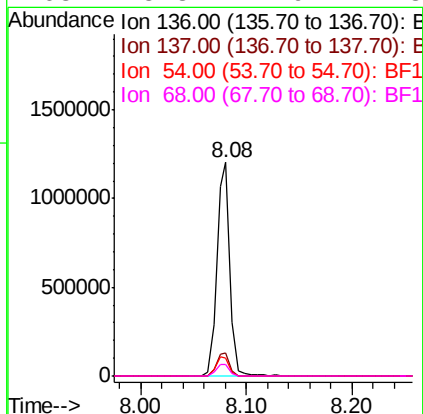
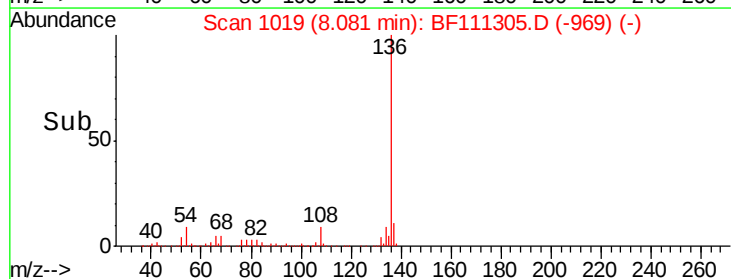
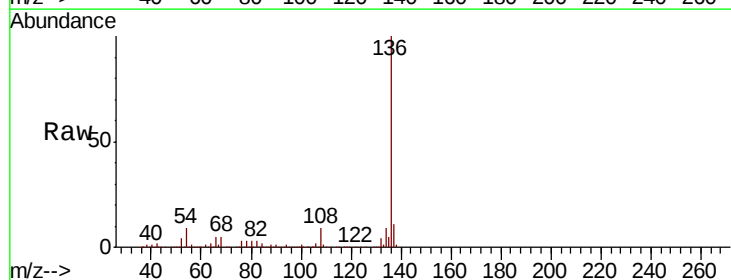
Instrument :
BNA_F
ClientSampleId :
TP-MH-F

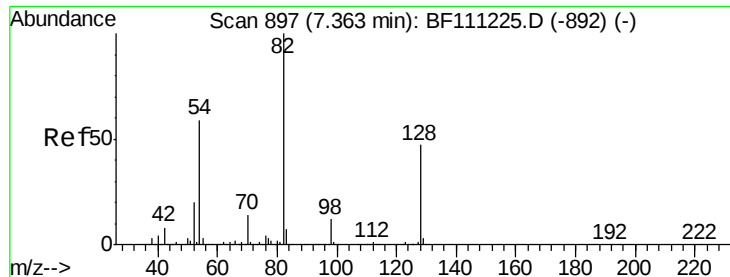
Tgt Ion:	70	Resp:	76454
Ion	Ratio	Lower	Upper
70	100		
42	61.0	53.2	79.8
101	0.0	8.2	12.4#
130	3.0	18.1	27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Tgt Ion:	136	Resp:	1047252
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	8.6	7.7	11.5
68	5.3	4.9	7.3

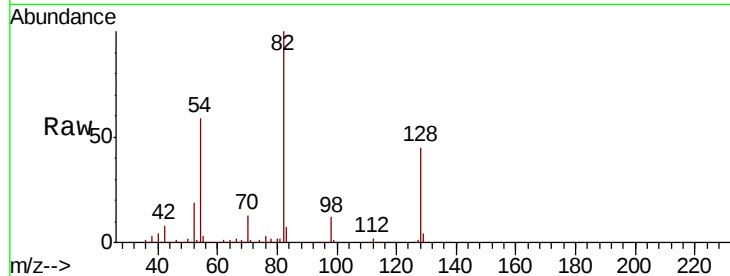




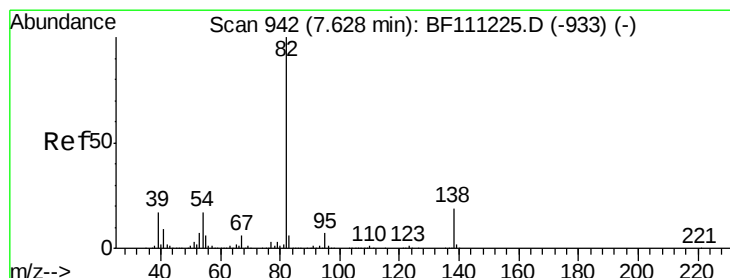
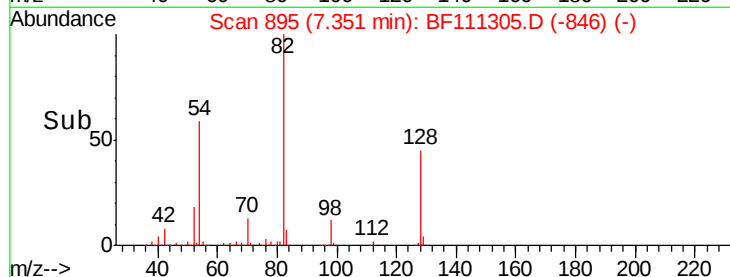
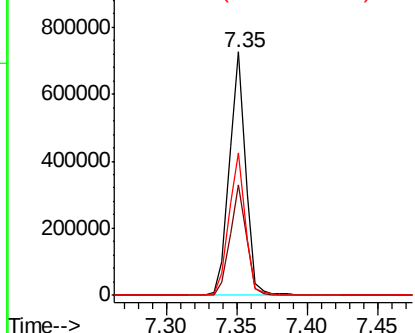
#23
 Nitrobenzene-d5
 Concen: 31.349 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.01 min
 Lab File: BF111305.D
 Acq: 12 Dec 2018 4:43

Instrument :
 BNA_F
 ClientSampleId :
 TP-MH-F

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.3	37.4	56.2
54	58.6	47.6	71.4

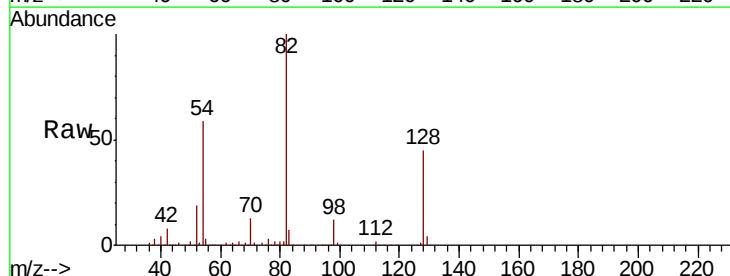


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

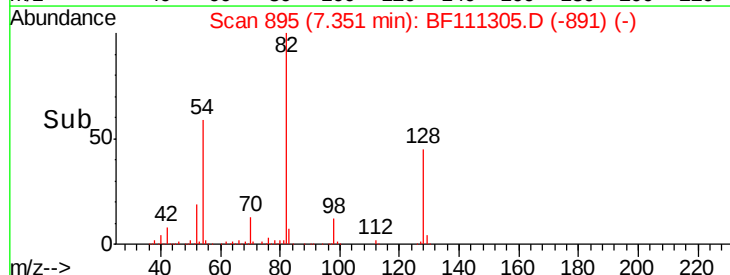
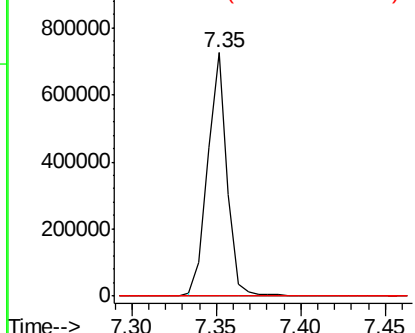


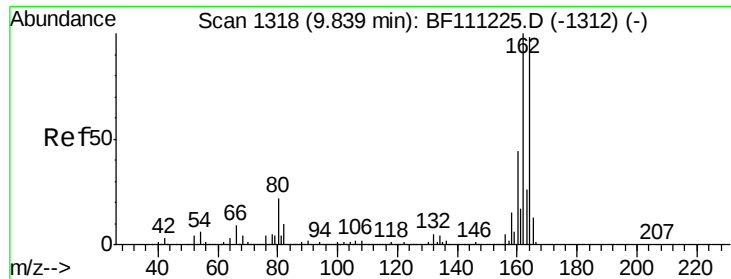
#25
 Isophorone
 Concen: 18.096 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.28 min
 Lab File: BF111305.D
 Acq: 12 Dec 2018 4:43

Tgt 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): BF1

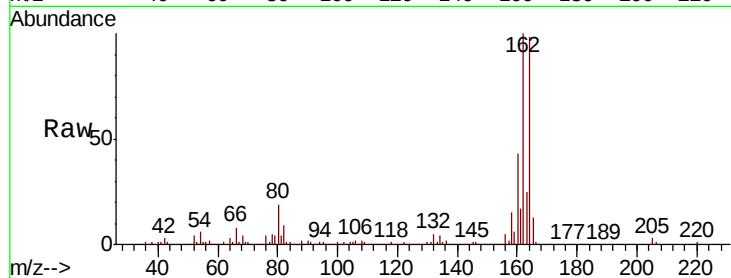




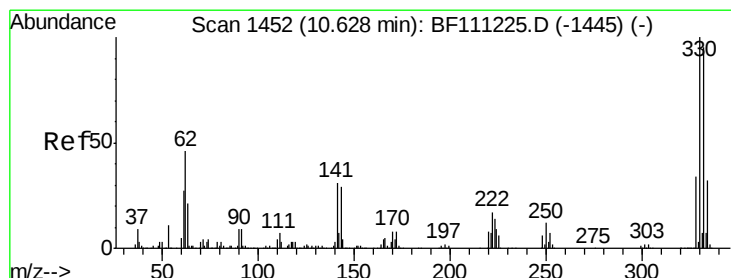
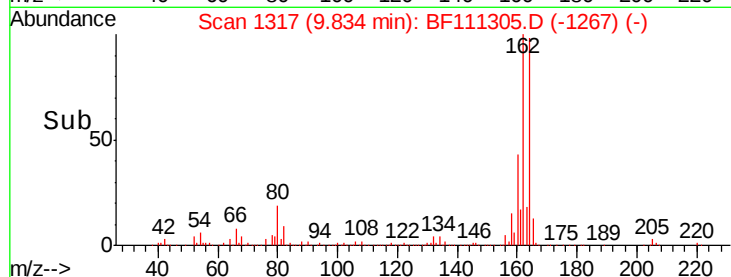
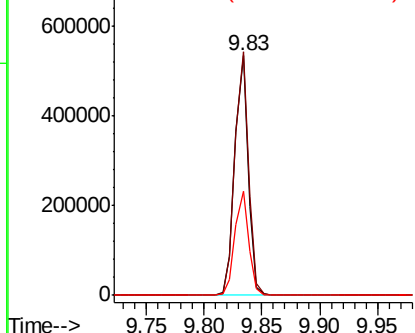
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Instrument :
BNA_F
ClientSampleId :
TP-MH-F

Tgt Ion:164 Resp: 429976
Ion Ratio Lower Upper
164 100
162 101.7 81.4 122.0
160 43.7 35.7 53.5

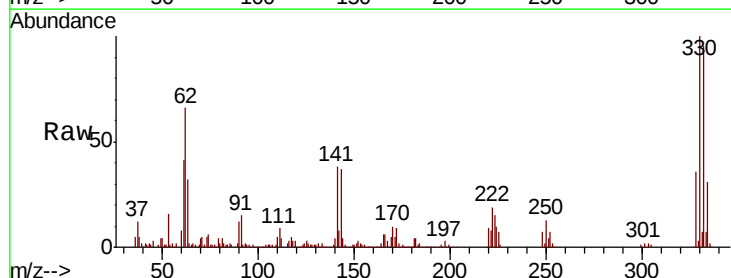


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

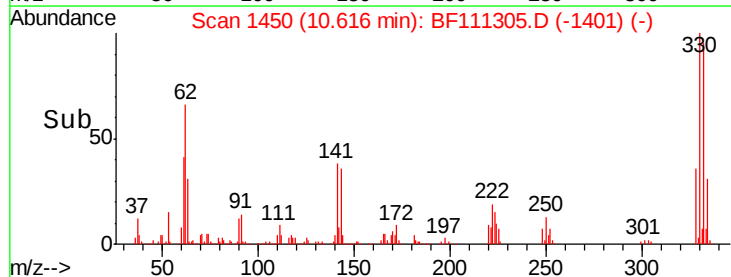
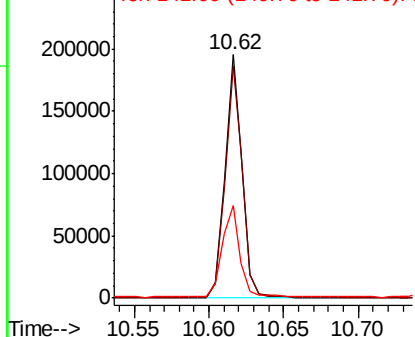


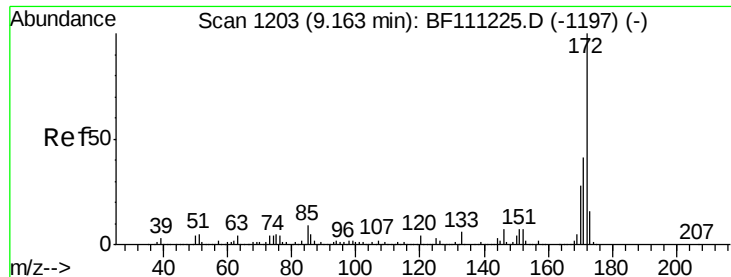
#42
2,4,6-Tribromophenol
Concen: 41.600 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Tgt Ion:330 Resp: 158444
Ion Ratio Lower Upper
330 100
332 96.7 76.0 114.0
141 38.1 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

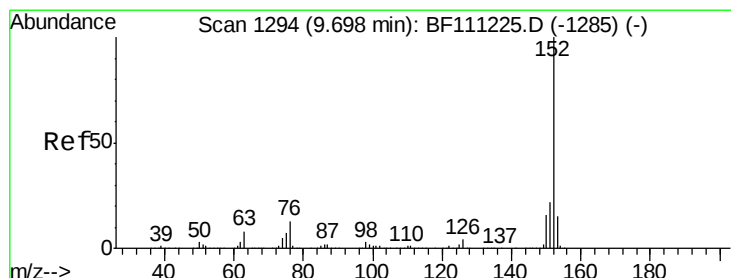
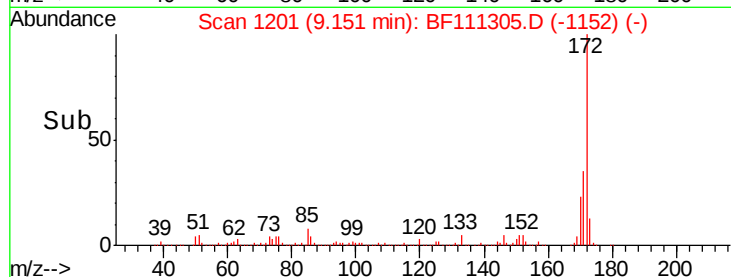
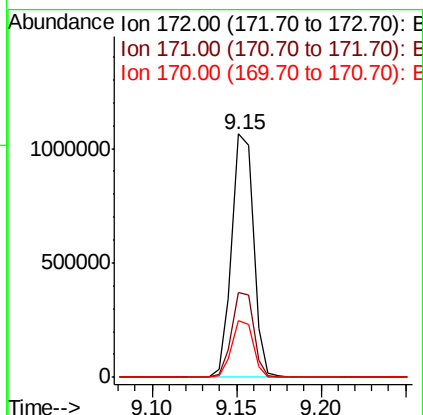
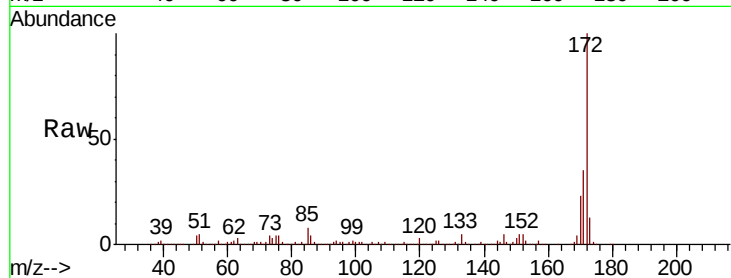




#45
2-Fluorobiphenyl
Concen: 30.744 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

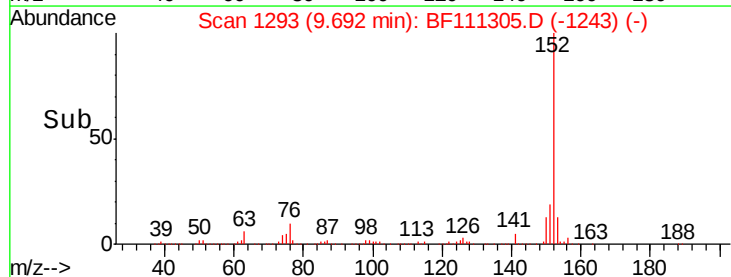
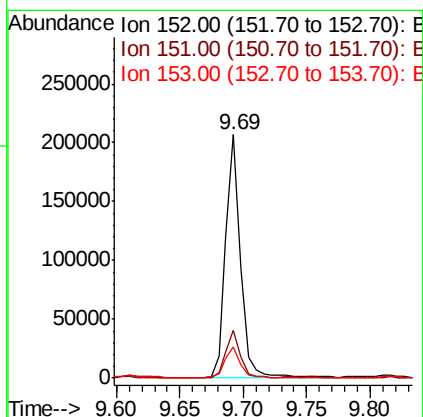
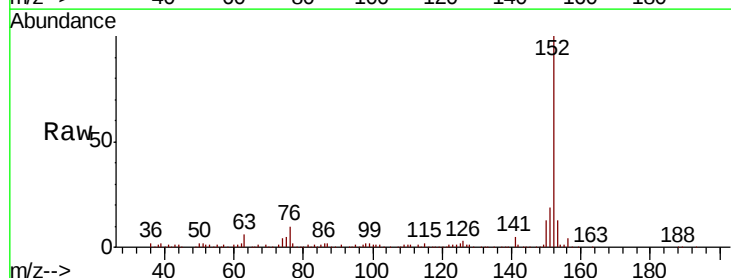
Instrument :
BNA_F
ClientSampled :
TP-MH-F

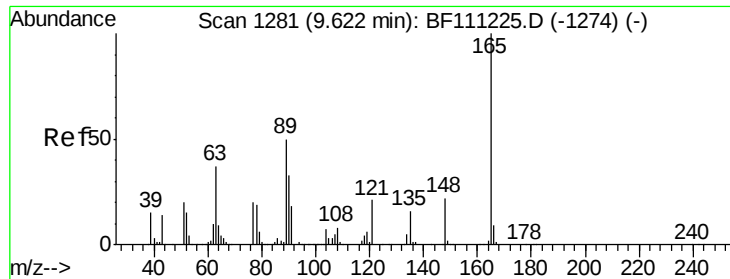
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	33.0	49.4
170	23.2	22.3	33.5



#49
Acenaphthylene
Concen: 4.202 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	18.0	27.0
153	12.6	12.3	18.5





#51

2,6-Dinitrotoluene

Concen: 8.251 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.21 min

Lab File: BF111305.D

Acq: 12 Dec 2018 4:43

Instrument :

BNA_F

ClientSampleId :

TP-MH-F

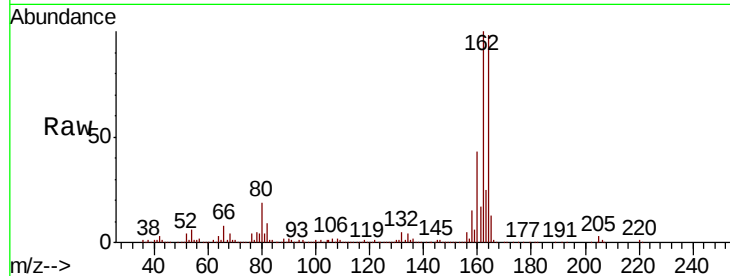
Tgt Ion:165 Resp: 57810

Ion Ratio Lower Upper

165 100

63 1.7 40.5 60.7#

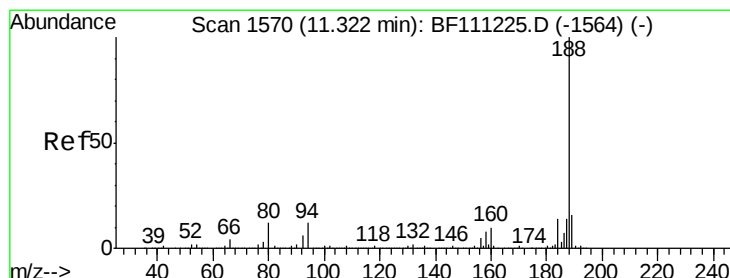
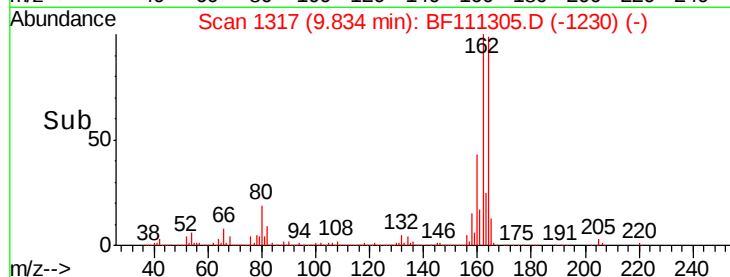
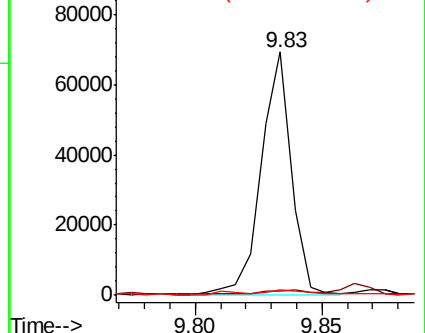
89 2.1 40.0 60.0#



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF111305.D

Acq: 12 Dec 2018 4:43

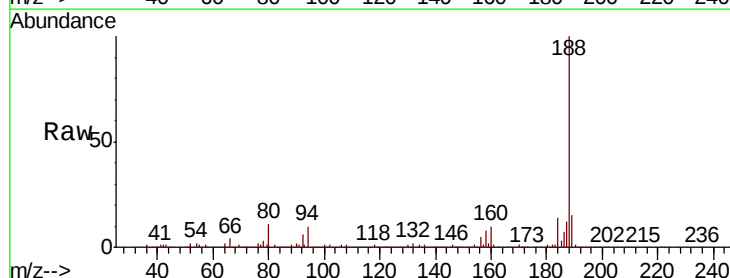
Tgt Ion:188 Resp: 635392

Ion Ratio Lower Upper

188 100

94 10.2 9.6 14.4

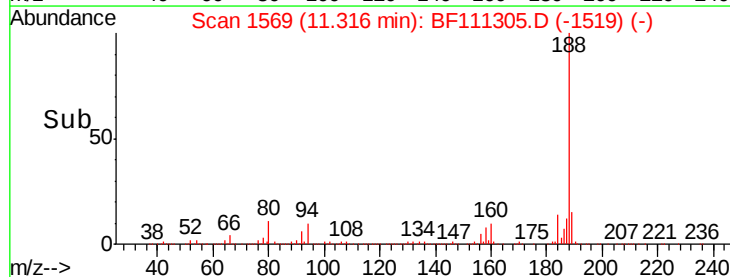
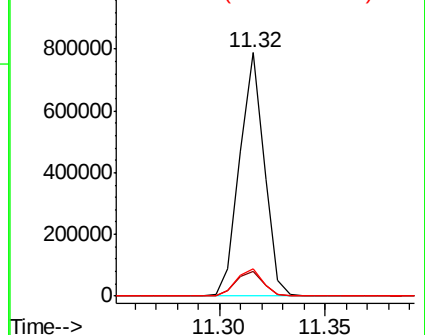
80 11.2 9.8 14.6

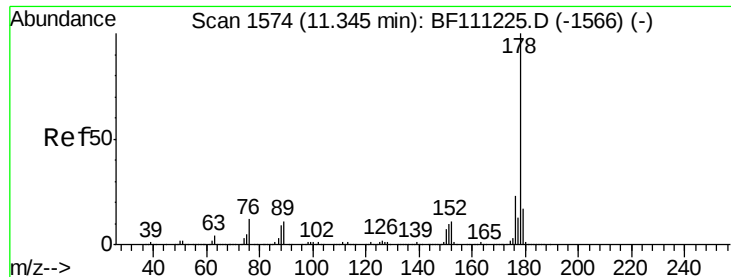


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

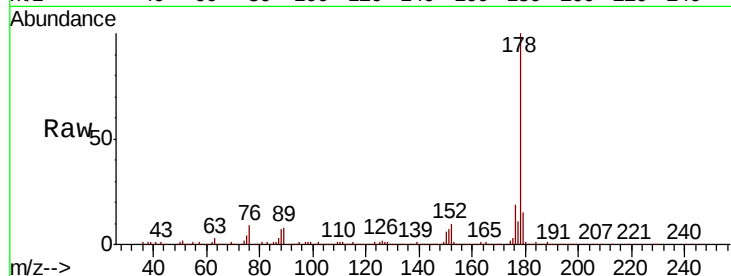




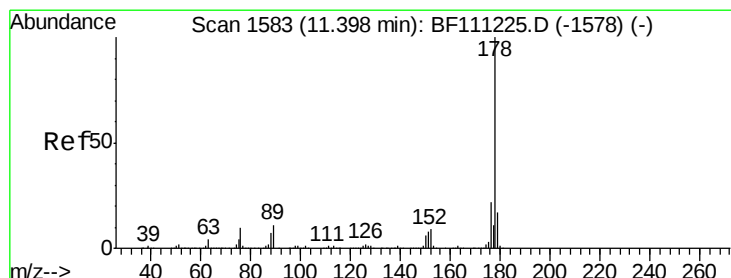
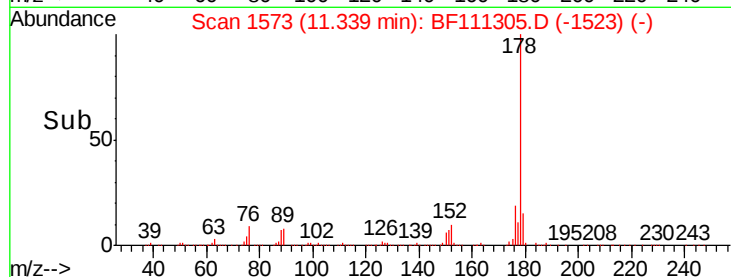
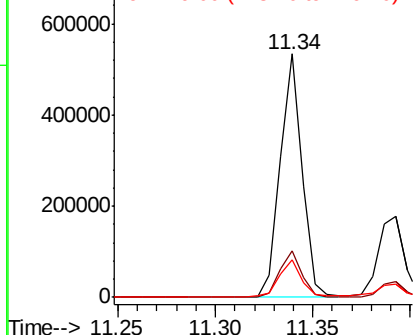
#71
 Phenanthrene
 Concen: 12.926 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF111305.D
 Acq: 12 Dec 2018 4:43

Instrument :
 BNA_F
 ClientSampleId :
 TP-MH-F

Tgt Ion:178 Resp: 414249
 Ion Ratio Lower Upper
 178 100
 176 19.4 18.1 27.1
 179 15.2 14.0 21.0

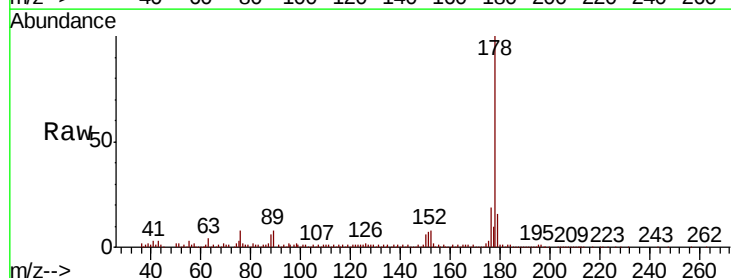


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

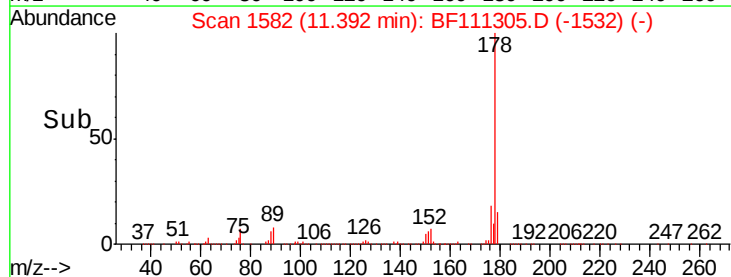
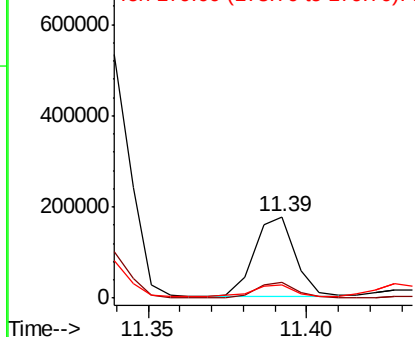


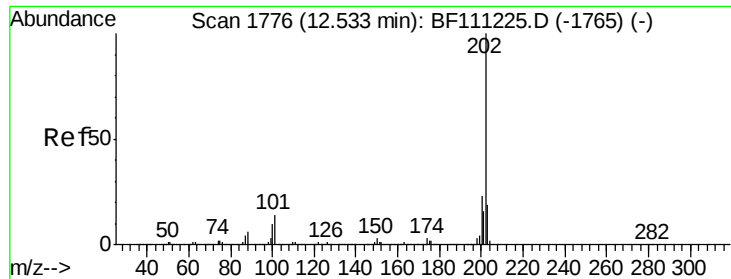
#72
 Anthracene
 Concen: 4.689 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF111305.D
 Acq: 12 Dec 2018 4:43

Tgt Ion:178 Resp: 157209
 Ion Ratio Lower Upper
 178 100
 176 18.9 17.2 25.8
 179 16.0 13.8 20.8



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 25.990 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF111305.D

Acq: 12 Dec 2018 4:43

Instrument :

BNA_F

ClientSampleId :

TP-MH-F

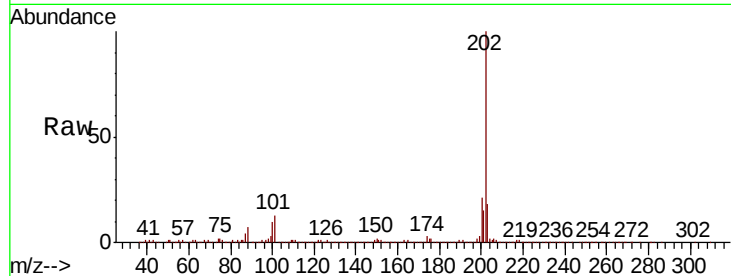
Tgt Ion: 202 Resp: 760882

Ion Ratio Lower Upper

202 100

101 13.2 0.0 33.8

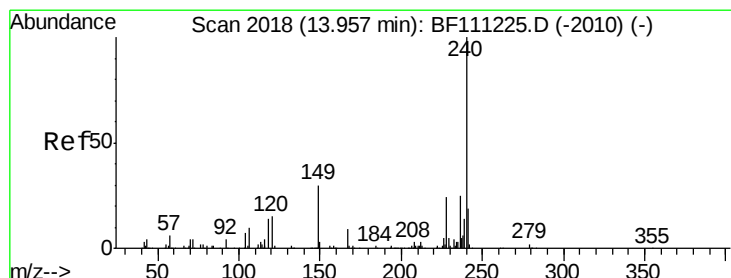
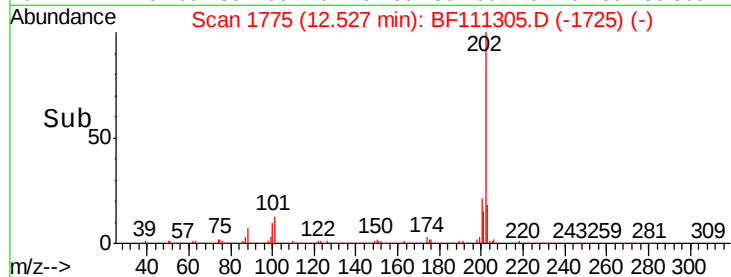
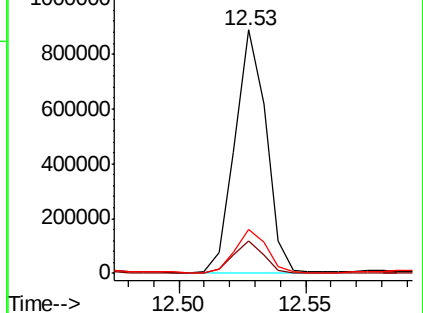
203 18.2 0.0 38.6



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: 13.96 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BF111305.D

Acq: 12 Dec 2018 4:43

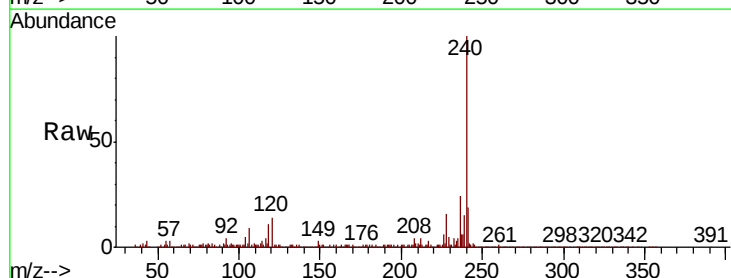
Tgt Ion: 240 Resp: 558836

Ion Ratio Lower Upper

240 100

120 13.8 12.2 18.2

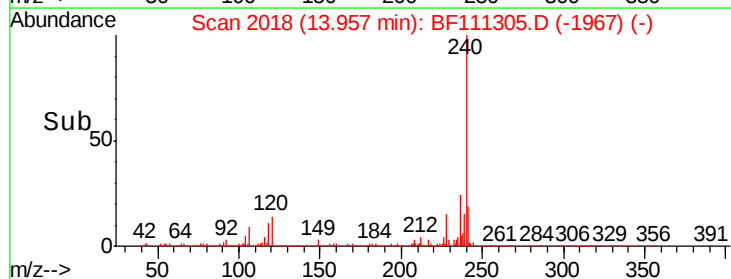
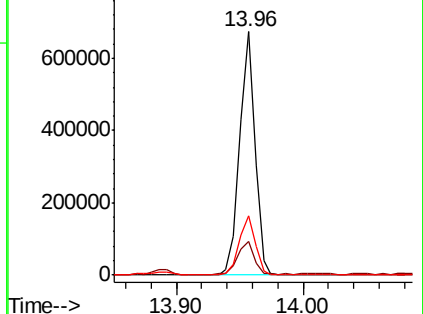
236 24.1 20.2 30.2

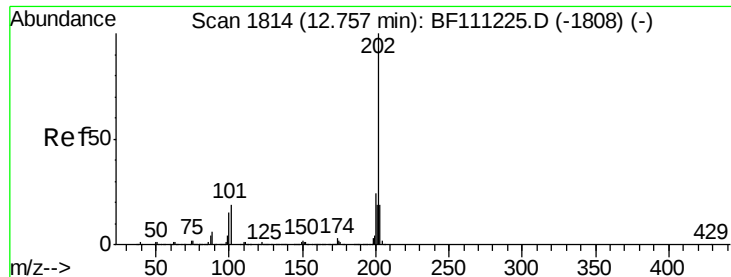


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 26.102 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.00 min

Lab File: BF111305.D

Acq: 12 Dec 2018 4:43

Instrument :

BNA_F

ClientSampleId :

TP-MH-F

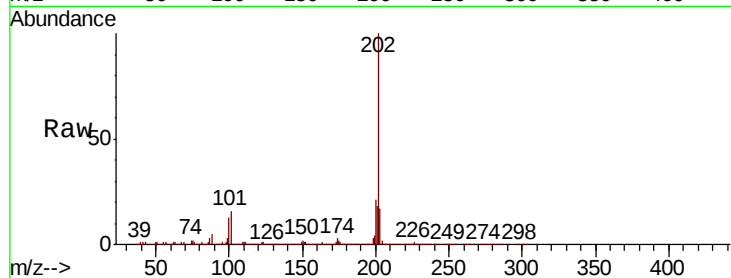
Tgt Ion:202 Resp: 1042394

Ion Ratio Lower Upper

202 100

200 21.5 19.0 28.4

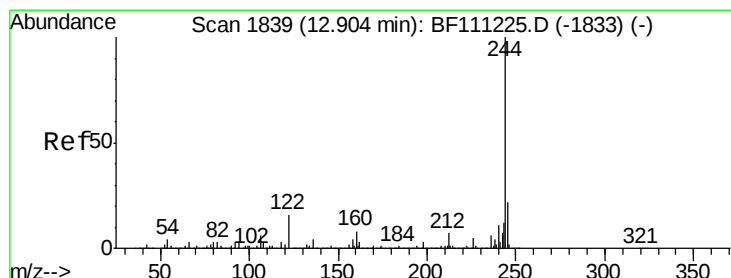
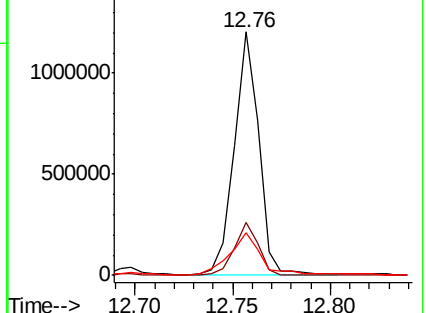
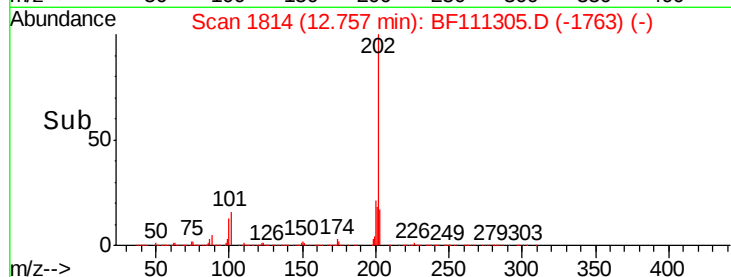
203 17.5 15.2 22.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 28.411 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.00 min

Lab File: BF111305.D

Acq: 12 Dec 2018 4:43

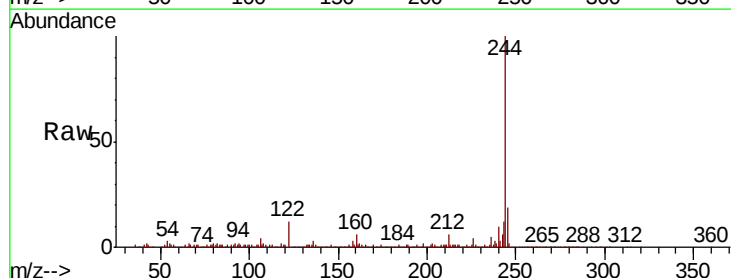
Tgt Ion:244 Resp: 661919

Ion Ratio Lower Upper

244 100

212 5.9 5.7 8.5

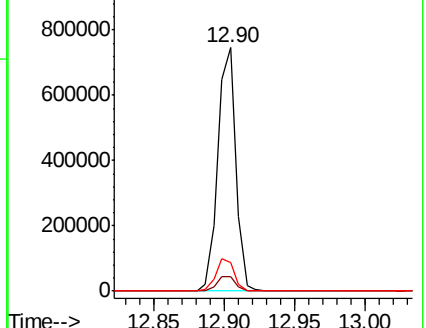
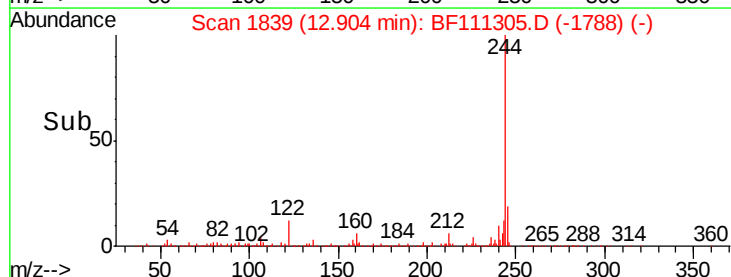
122 11.9 13.1 19.7#

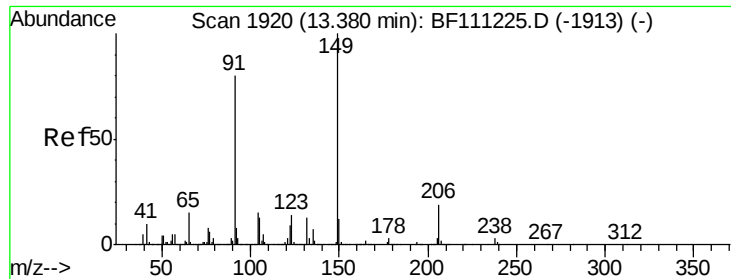


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

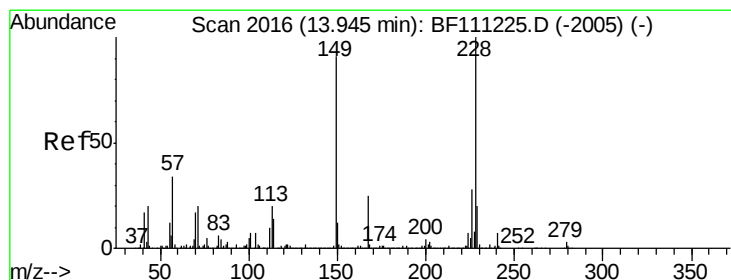
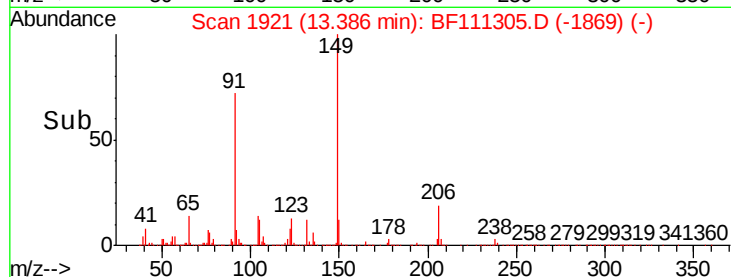
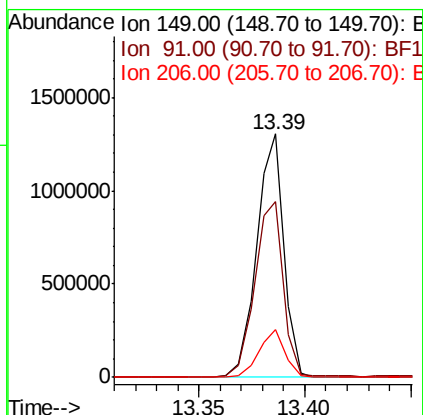
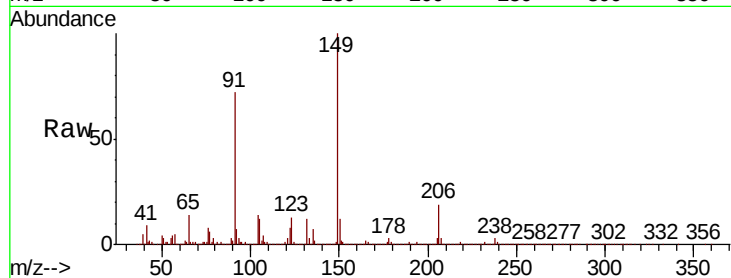




#80
Butylbenzylphthalate
Concen: 55.355 ng
RT: 13.39 min Scan# 1921
Delta R.T. 0.01 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

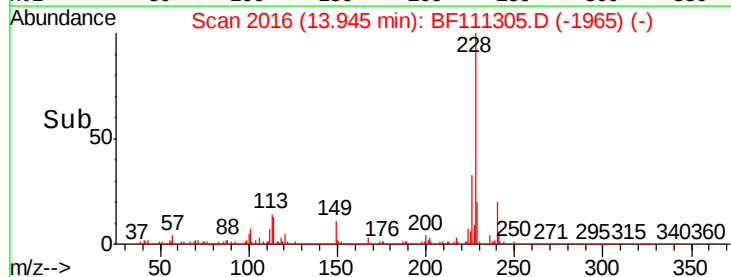
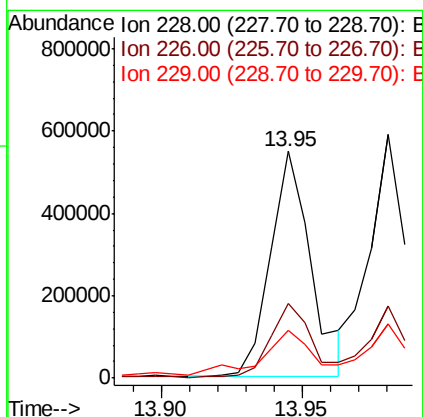
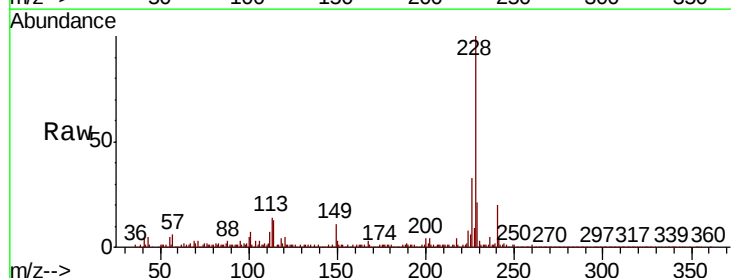
Instrument :
BNA_F
ClientSampleId :
TP-MH-F

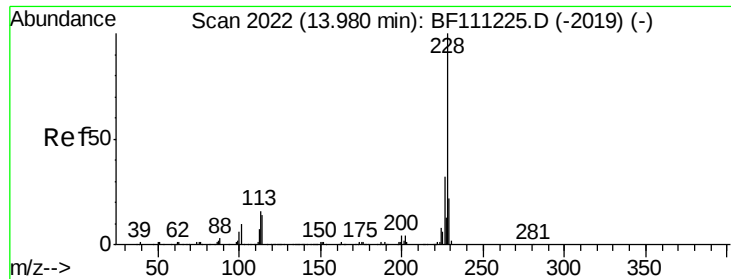
Tgt Ion:149 Resp: 1154626
Ion Ratio Lower Upper
149 100
91 72.4 63.8 95.6
206 19.4 15.1 22.7



#81
Benzo(a)anthracene
Concen: 17.532 ng
RT: 13.95 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Tgt Ion:228 Resp: 546594
Ion Ratio Lower Upper
228 100
226 33.0 22.6 34.0
229 21.2 16.3 24.5





#83

Chrysene

Concen: 15.825 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BF111305.D

Acq: 12 Dec 2018 4:43

Instrument :

BNA_F

ClientSampleId :

TP-MH-F

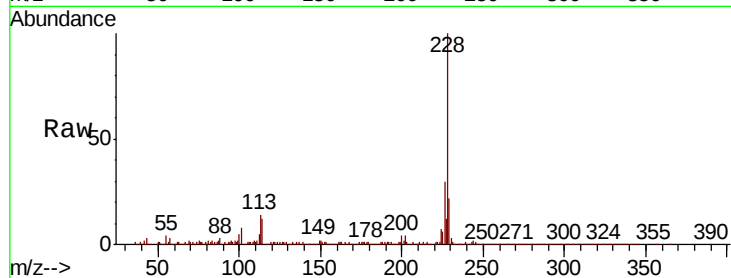
Tgt Ion:228 Resp: 508625

Ion Ratio Lower Upper

228 100

226 29.8 25.3 37.9

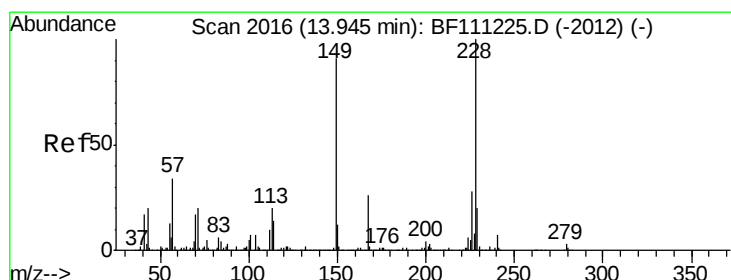
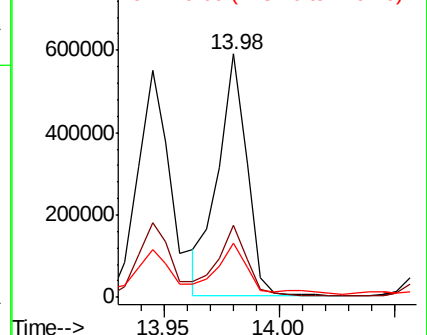
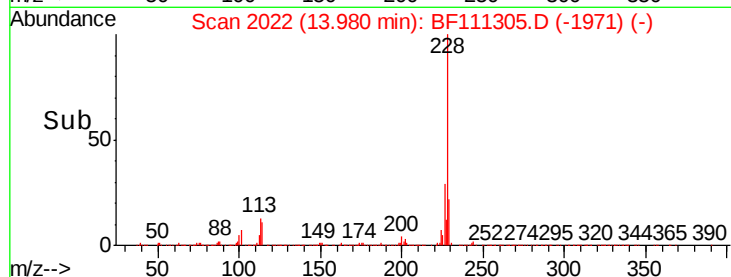
229 22.2 17.2 25.8



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.353 ng

RT: 13.95 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BF111305.D

Acq: 12 Dec 2018 4:43

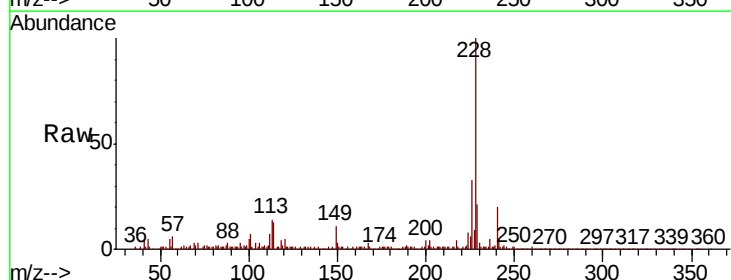
Tgt Ion:149 Resp: 58333

Ion Ratio Lower Upper

149 100

167 25.8 22.5 33.7

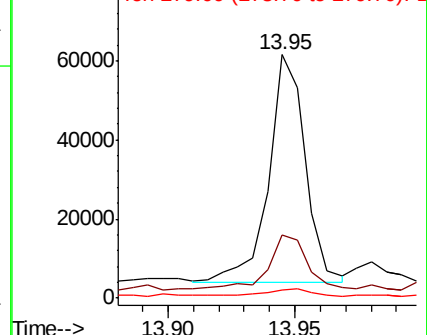
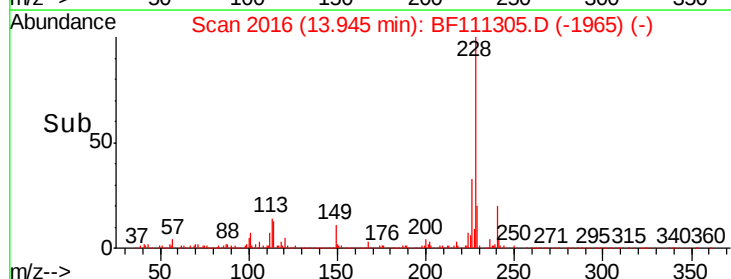
279 3.2 2.6 4.0

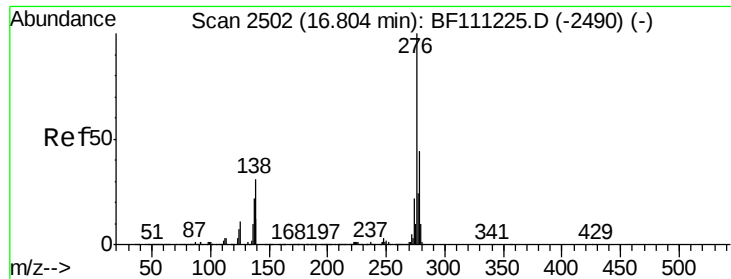


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

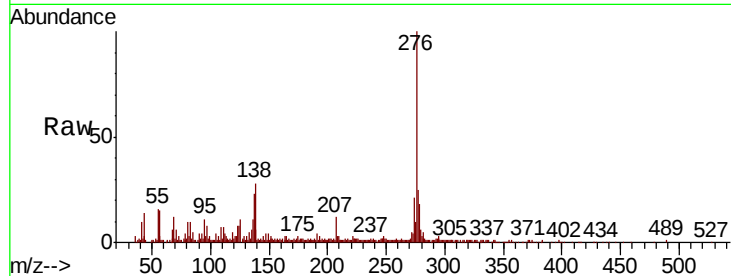




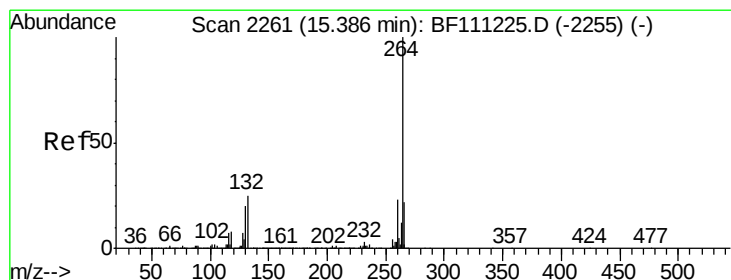
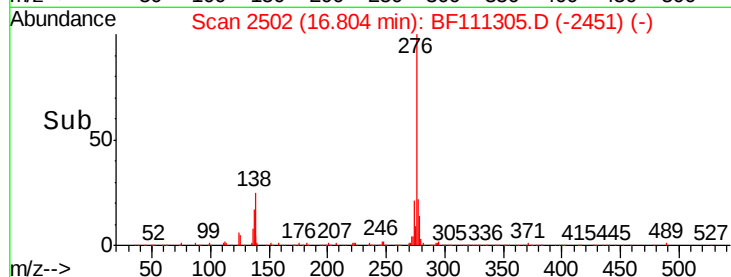
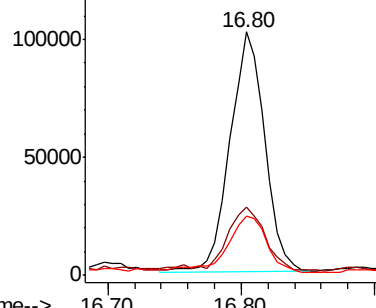
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 7.034 ng
 RT: 16.80 min Scan# 2502
 Delta R.T. -0.00 min
 Lab File: BF111305.D
 Acq: 12 Dec 2018 4:43

Instrument :
 BNA_F
 ClientSampleId :
 TP-MH-F

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.8	27.8	41.6
277	28.3	20.1	30.1

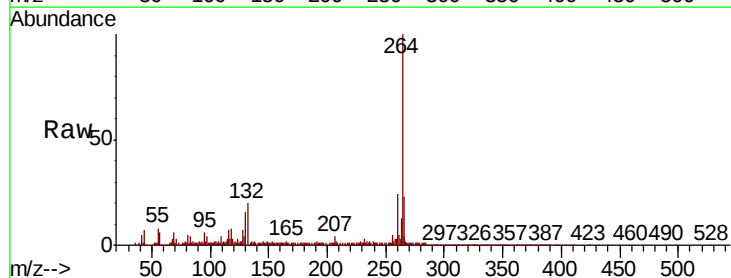


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

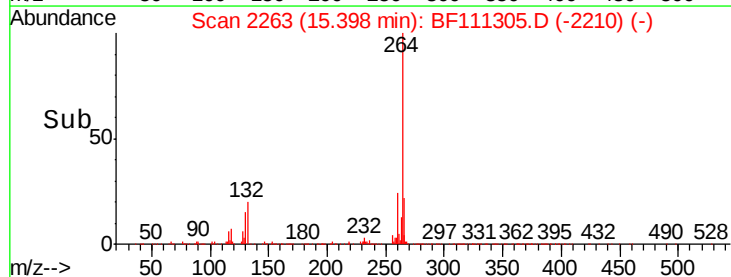
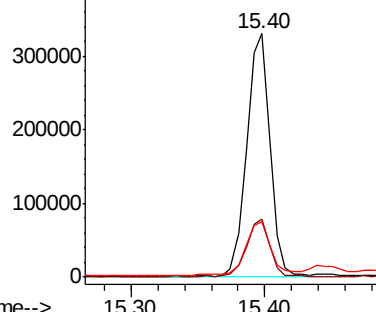


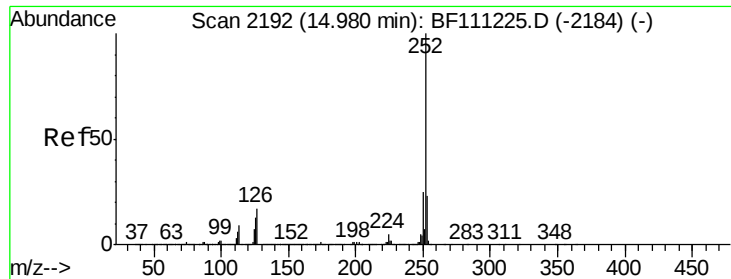
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.40 min Scan# 2263
 Delta R.T. 0.01 min
 Lab File: BF111305.D
 Acq: 12 Dec 2018 4:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.3	27.5
265	22.7	17.7	26.5



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

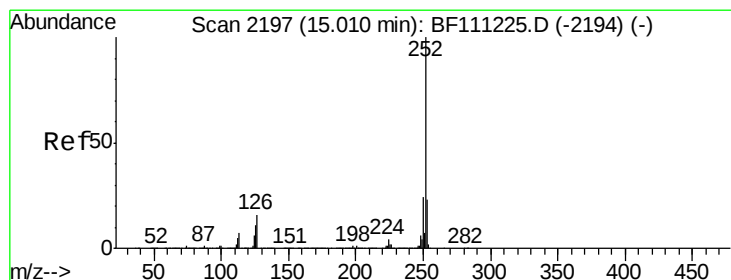
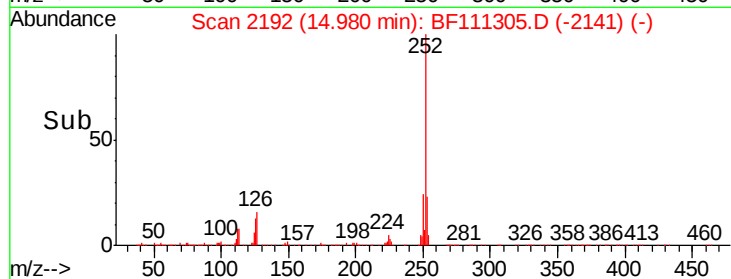
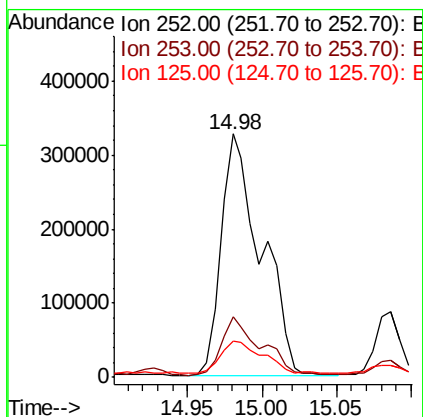
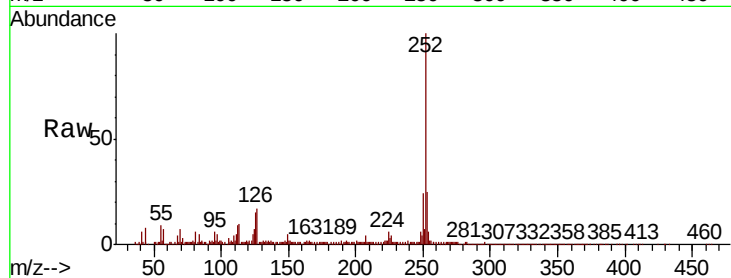




#88
Benzo(b)fluoranthene
Concen: 27.311 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

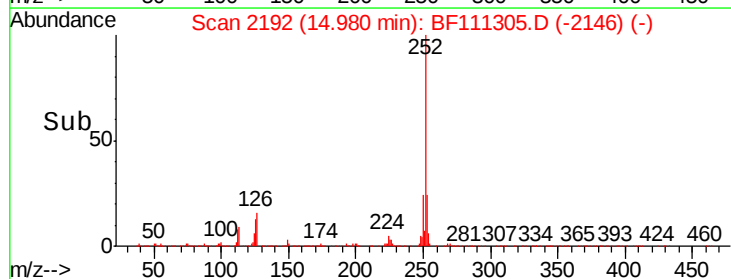
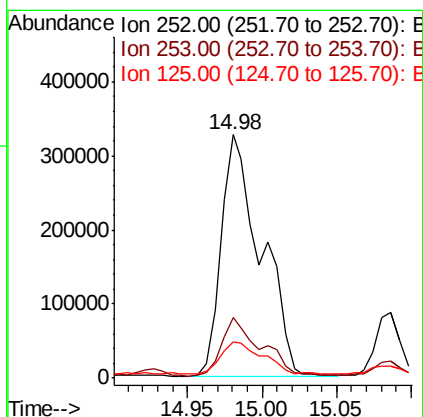
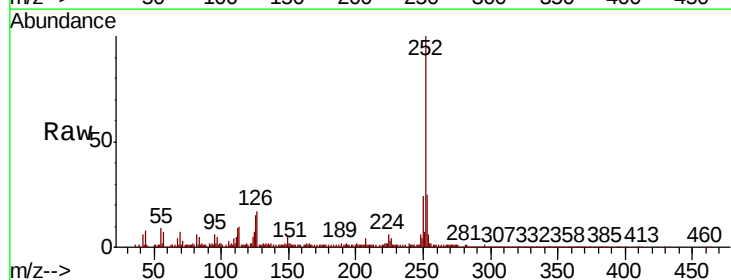
Instrument :
BNA_F
ClientSampleId :
TP-MH-F

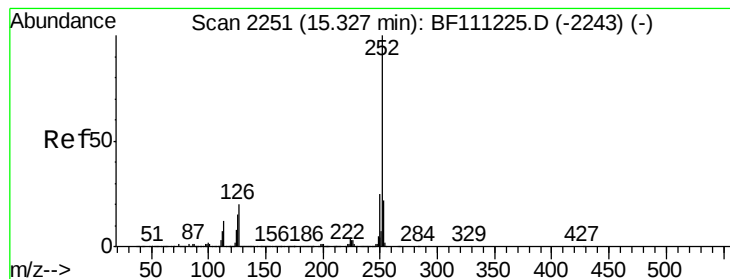
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.2	27.2
125	14.8	10.4	15.6



#89
Benzo(k)fluoranthene
Concen: 29.049 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF111305.D
Acq: 12 Dec 2018 4:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.1	27.1
125	14.8	9.8	14.8#





#90

Benzo(a)pyrene

Concen: 16.783 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.01 min

Lab File: BF111305.D

Acq: 12 Dec 2018 4:43

Instrument :

BNA_F

ClientSampleId :

TP-MH-F

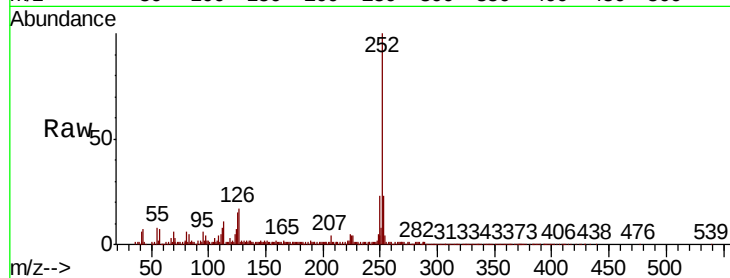
Tgt Ion: 252 Resp: 346254

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

125 14.6 12.3 18.5

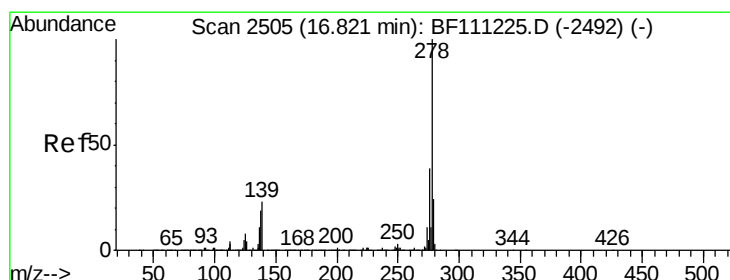
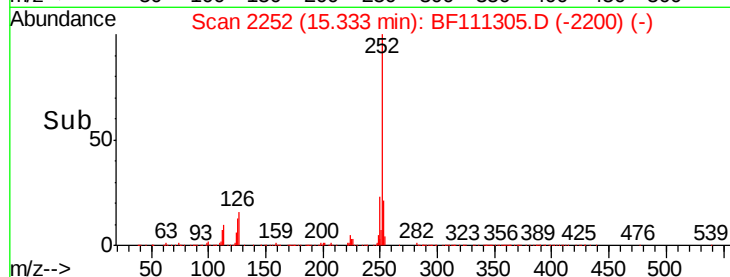
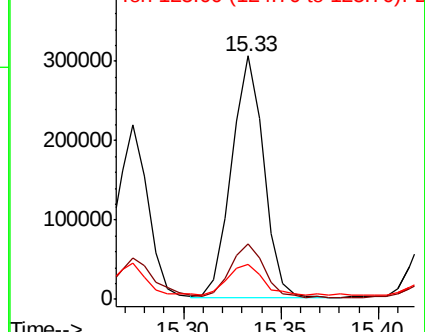


Abundance

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



#91

Dibenzo(a,h)anthracene

Concen: 2.909 ng

RT: 16.82 min Scan# 2504

Delta R.T. -0.01 min

Lab File: BF111305.D

Acq: 12 Dec 2018 4:43

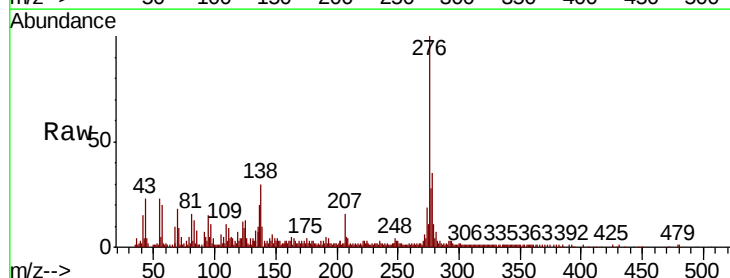
Tgt Ion: 278 Resp: 47142

Ion Ratio Lower Upper

278 100

139 27.7 18.2 27.4#

279 31.6 19.0 28.6#

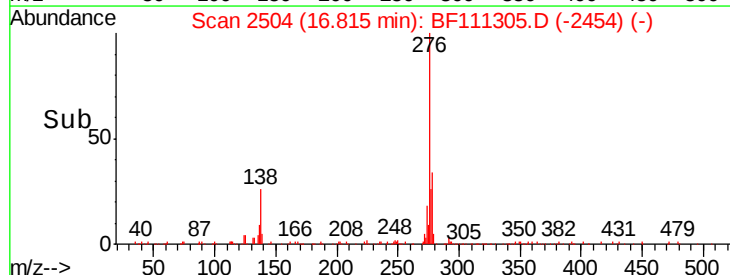
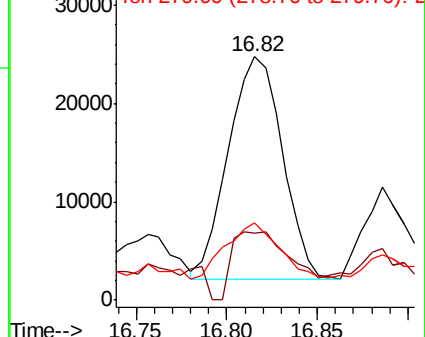


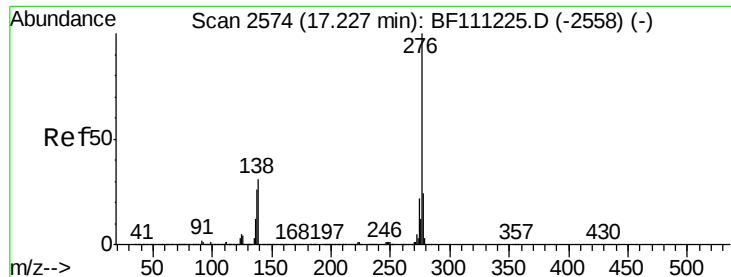
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(g,h,i)perylene
 Concen: 12.463 ng
 RT: 17.23 min Scan# 2575
 Delta R.T. 0.01 min
 Lab File: BF111305.D
 Acq: 12 Dec 2018 4:43

Instrument :
 BNA_F
 ClientSampleId :
 TP-MH-F

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.1	19.2	28.8
138	28.6	24.9	37.3

