

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031119\
 Data File : BF112975.D
 Acq On : 12 Mar 2019 00:38
 Operator : JU/SJ
 Sample : K1837-03 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-MH-10-COMP

Quant Time: Mar 12 04:44:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	147441	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	555900	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	338933	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	695412	20.00	ng	0.00
76) Chrysene-d12	13.87	240	470341	20.00	ng	0.00
87) Perylene-d12	15.27	264	397469	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	249784	26.35	ng	-0.01
7) Phenol-d6	6.36	99	336184	28.24	ng	0.00
23) Nitrobenzene-d5	7.29	82	190485	20.50	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	127449	35.42	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	430473	16.32	ng	-0.01
79) Terphenyl-d14	12.82	244	425093	17.52	ng	-0.01

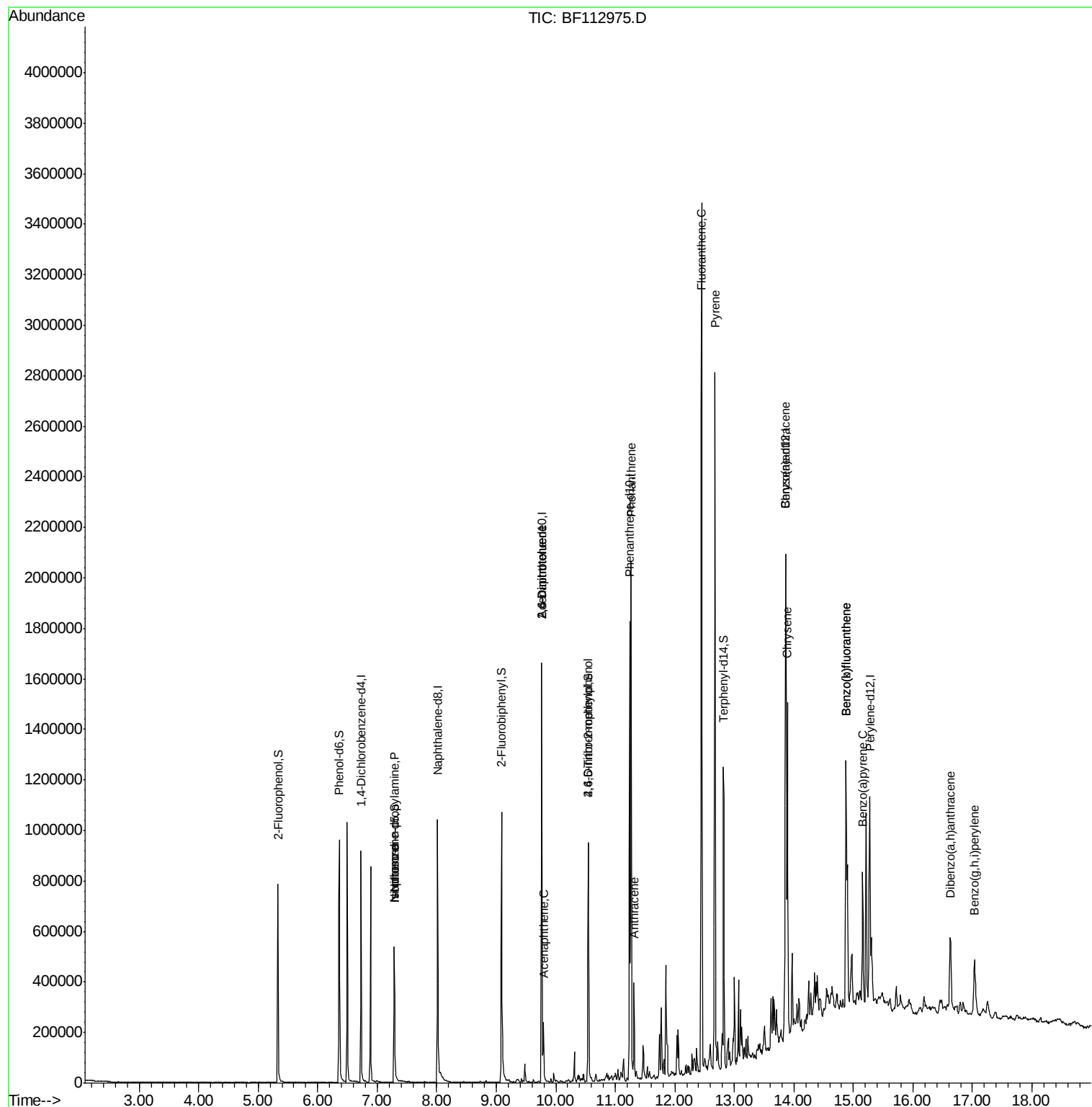
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.29	70	23095	3.063	ng	# 77
25) Isophorone	7.29	82	183704	9.179	ng	# 66
51) 2,6-Dinitrotoluene	9.76	165	43171	8.295	ng	# 18
52) Acenaphthene	9.79	154	46792	2.183	ng	100
57) 2,4-Dinitrotoluene	9.76	165	43172	6.674	ng	# 17
65) 4,6-Dinitro-2-methylphenol	10.55	198	109	4.647	ng	# 1
71) Phenanthrene	11.26	178	780166	22.548	ng	99
72) Anthracene	11.32	178	161131	4.449	ng	97
75) Fluoranthene	12.45	202	1381625	37.271	ng	97
78) Pyrene	12.67	202	1179944	29.758	ng	99
81) Benzo(a)anthracene	13.86	228	543650	16.677	ng	99
83) Chrysene	13.89	228	476650	14.928	ng	98
88) Benzo(b)fluoranthene	14.87	252	758728	29.512	ng	99
89) Benzo(k)fluoranthene	14.87	252	758728	32.581	ng	99
90) Benzo(a)pyrene	15.16	252	249066	10.953	ng	98
91) Dibenzo(a,h)anthracene	16.64	278	48084	2.478	ng	# 93
92) Benzo(g,h,i)perylene	17.04	276	191508	9.828	ng	95

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

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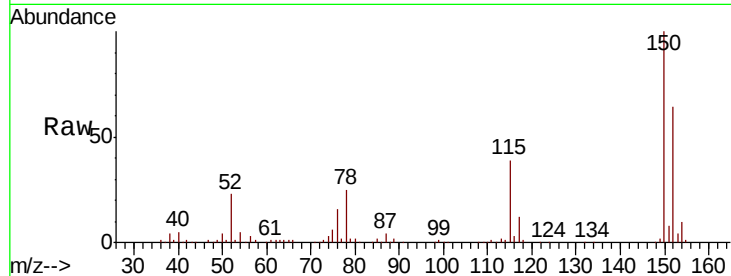




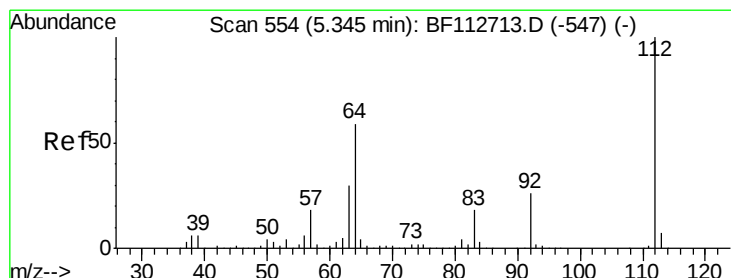
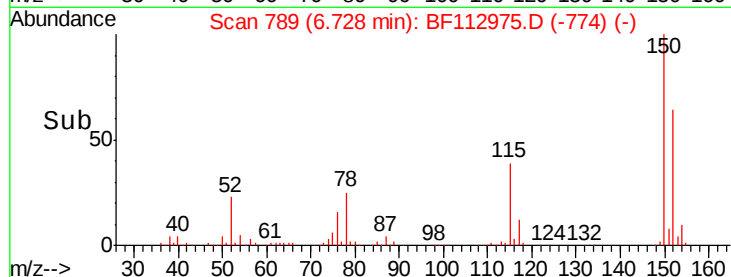
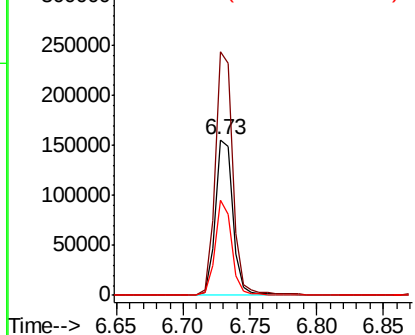
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF112975.D
 Acq: 12 Mar 2019 00:38

Instrument :
 BNA_F
 ClientSampleId :
 MR-MH-10-COMP

Tgt Ion:152 Resp: 147441
 Ion Ratio Lower Upper
 152 100
 150 156.6 124.2 186.2
 115 60.8 48.2 72.4

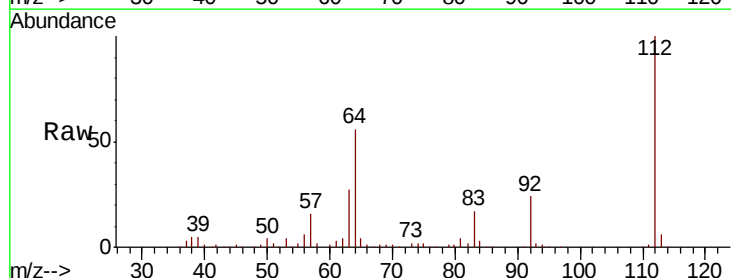


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

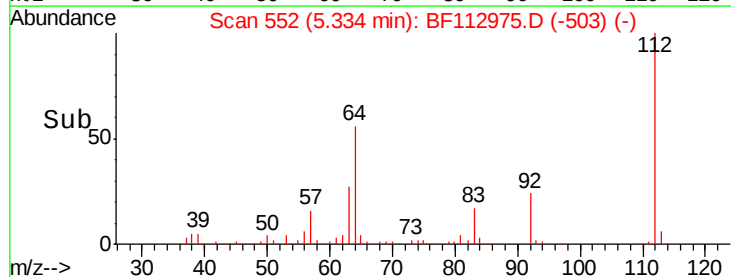
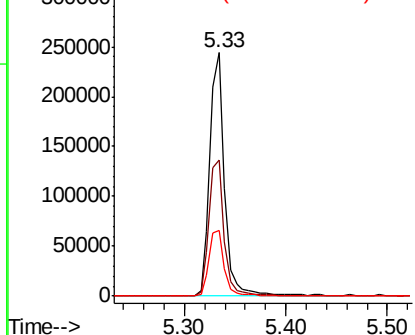


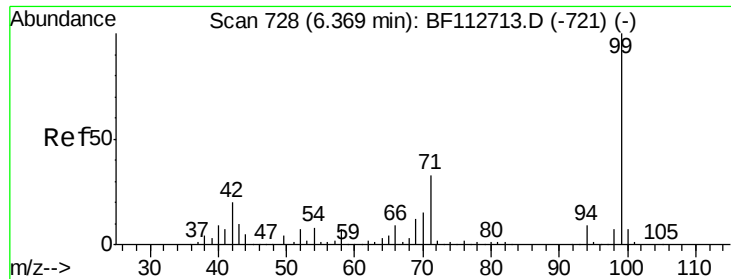
#5
 2-Fluorophenol
 Concen: 26.353 ng
 RT: 5.33 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: BF112975.D
 Acq: 12 Mar 2019 00:38

Tgt Ion:112 Resp: 249784
 Ion Ratio Lower Upper
 112 100
 64 55.9 47.6 71.4
 63 26.9 24.4 36.6



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: 28.235 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112975.D

Acq: 12 Mar 2019 00:38

Instrument :

BNA_F

ClientSampleId :

MR-MH-10-COMP

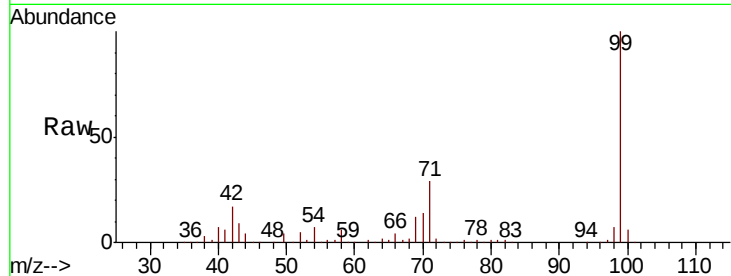
Tgt Ion: 99 Resp: 336184

Ion Ratio Lower Upper

99 100

42 17.5 16.3 24.5

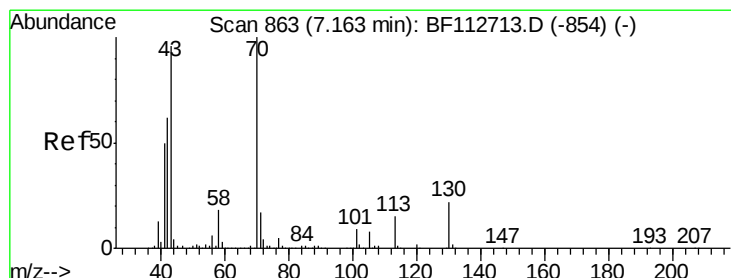
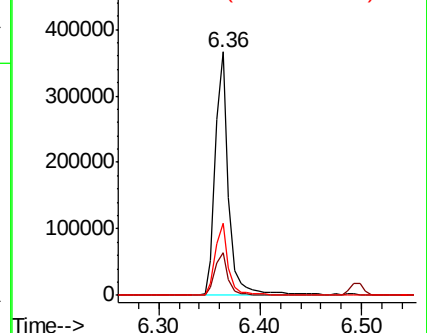
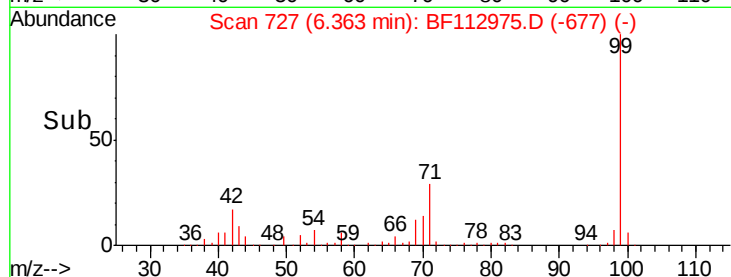
71 29.5 26.2 39.4



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: 3.063 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.12 min

Lab File: BF112975.D

Acq: 12 Mar 2019 00:38

Tgt Ion: 70 Resp: 23095

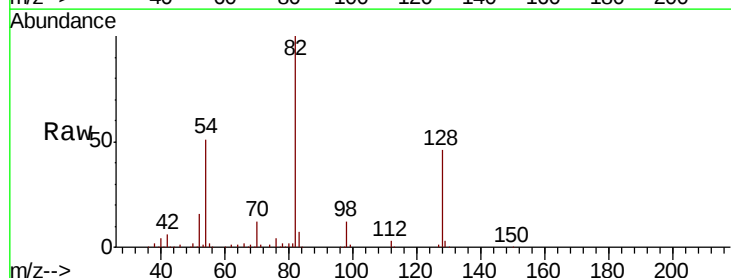
Ion Ratio Lower Upper

70 100

42 50.2 49.9 74.9

101 0.0 7.4 11.2#

130 2.5 17.4 26.2#

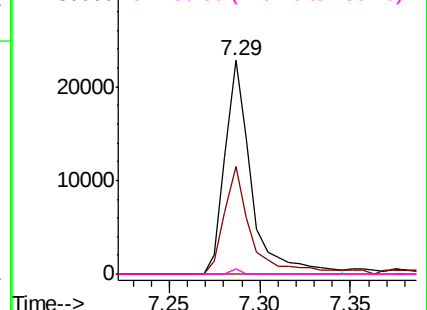
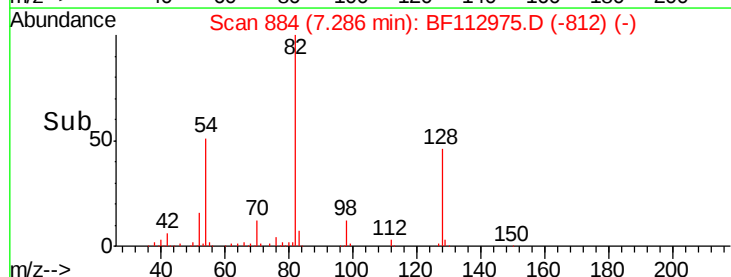


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

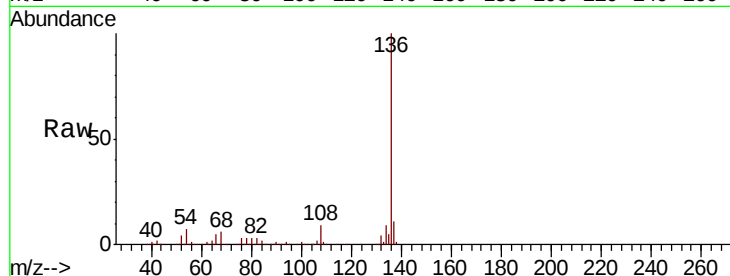




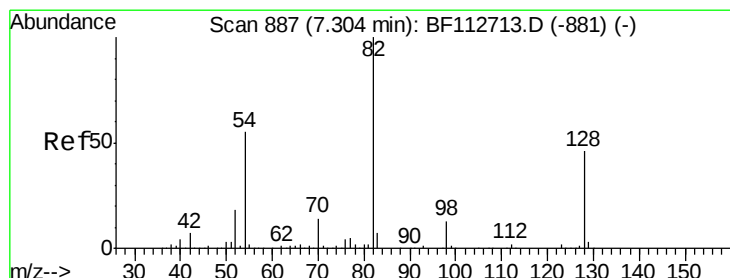
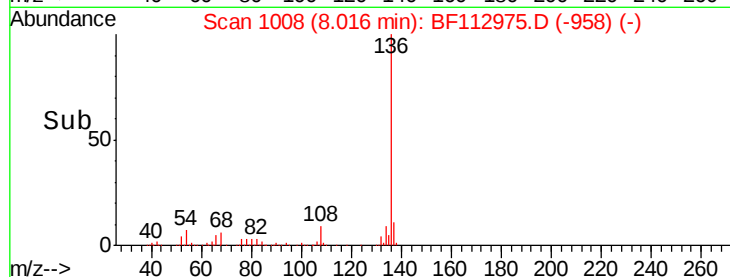
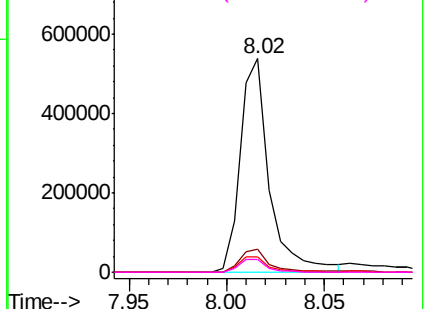
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF112975.D
Acq: 12 Mar 2019 00:38

Instrument :
BNA_F
ClientSampleId :
MR-MH-10-COMP

Tgt Ion:	136	Resp:	555900
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.4	7.3	10.9
68	5.8	5.4	8.2

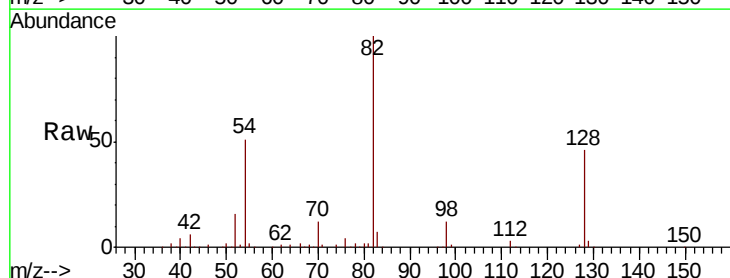


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

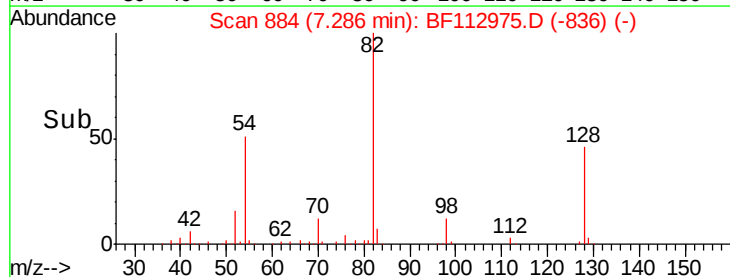
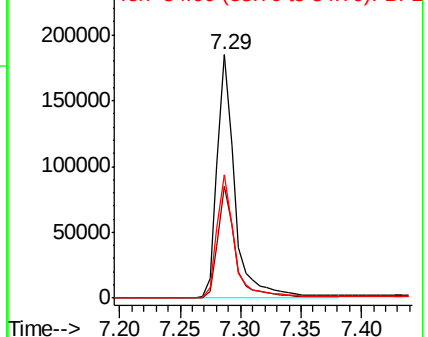


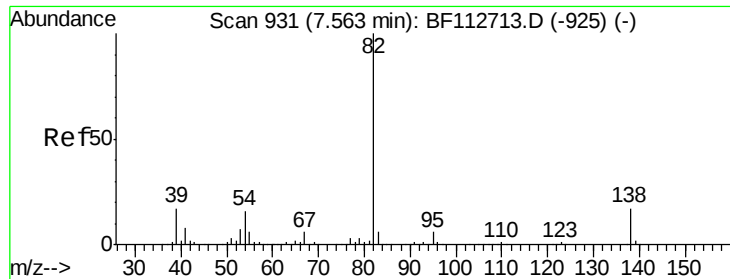
#23
Nitrobenzene-d5
Concen: 20.504 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112975.D
Acq: 12 Mar 2019 00:38

Tgt Ion:	82	Resp:	190485
Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.3	54.5
54	50.6	43.7	65.5



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: 9.179 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.28 min

Lab File: BF112975.D

Acq: 12 Mar 2019 00:38

Instrument :

BNA_F

ClientSampleId :

MR-MH-10-COMP

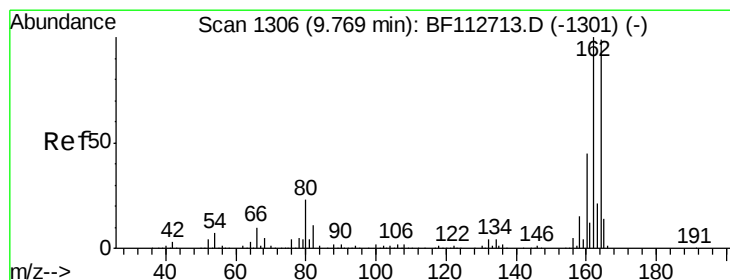
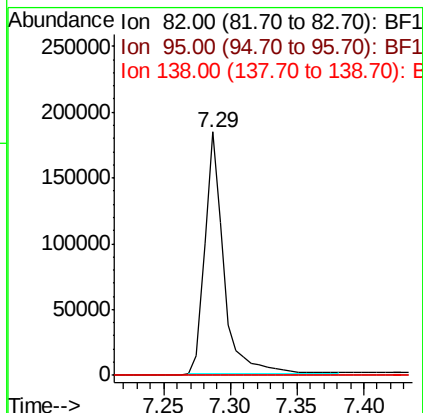
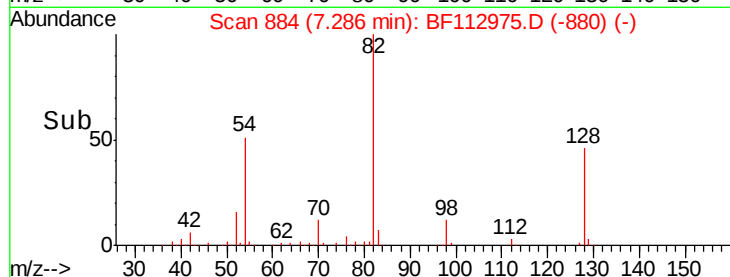
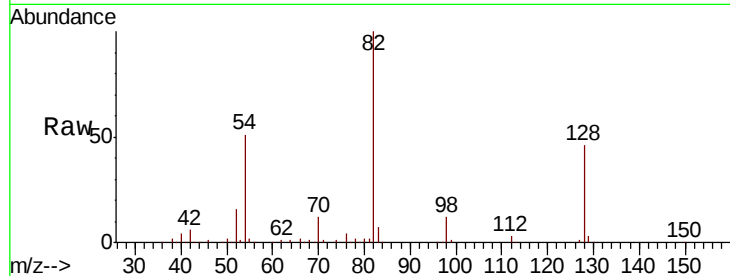
Tgt Ion: 82 Resp: 183704

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 13.8 20.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF112975.D

Acq: 12 Mar 2019 00:38

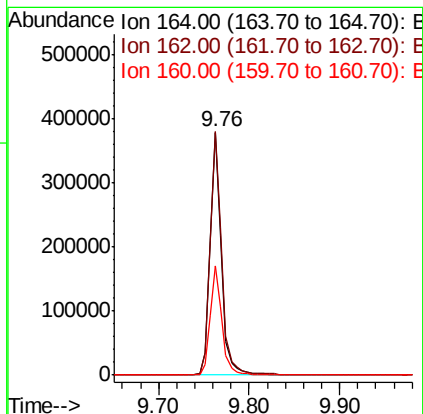
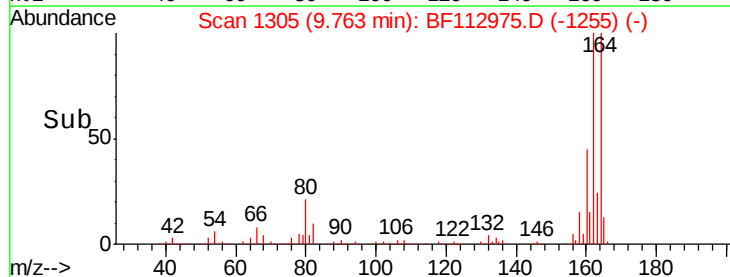
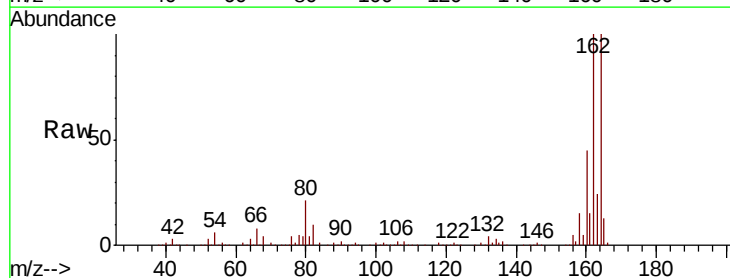
Tgt Ion: 164 Resp: 338933

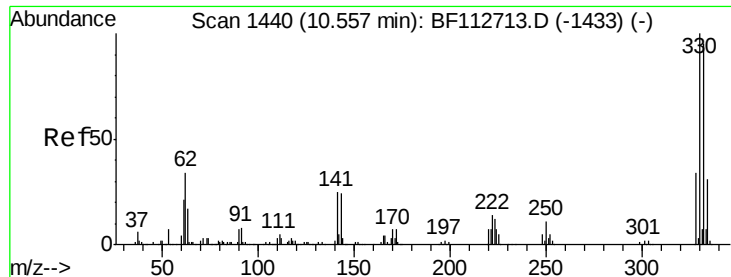
Ion Ratio Lower Upper

164 100

162 100.3 80.6 120.8

160 45.2 36.0 54.0

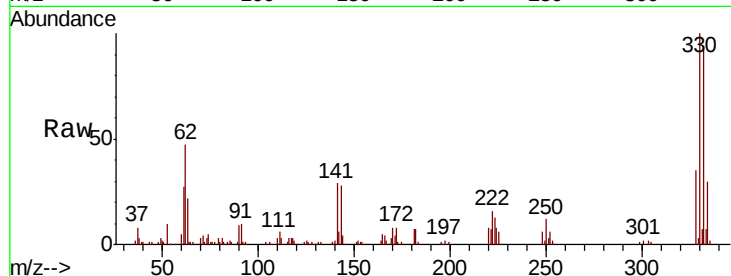




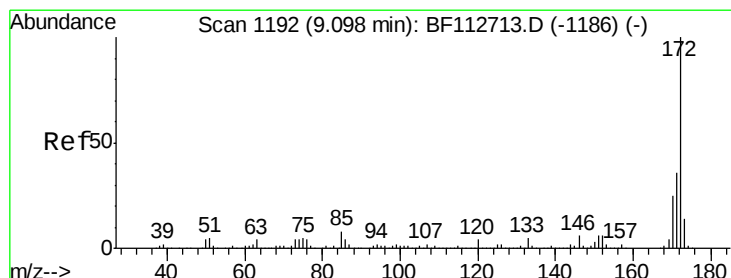
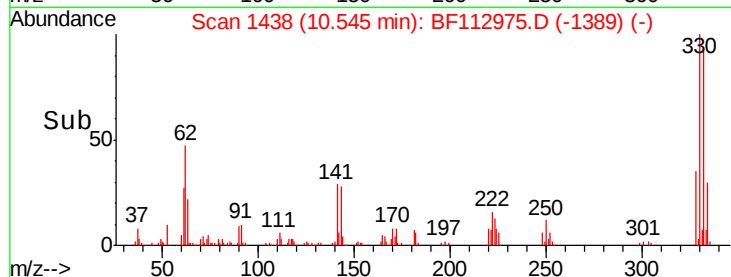
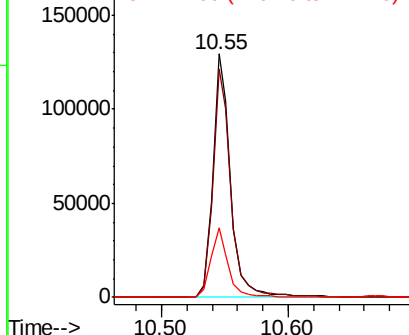
#42
 2,4,6-Tribromophenol
 Concen: 35.420 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF112975.D
 Acq: 12 Mar 2019 00:38

Instrument :
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 ClientSampleId :
 MR-MH-10-COMP

Tgt Ion:330 Resp: 127449
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.2 114.4
 141 28.5 27.0 40.6

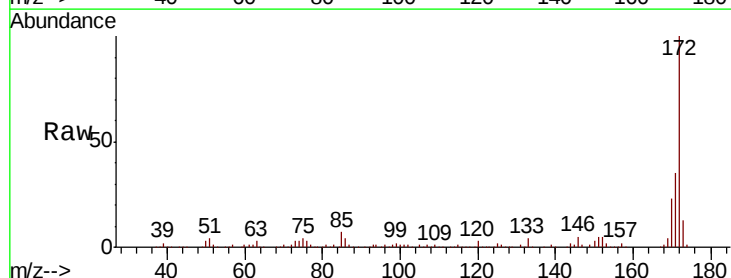


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

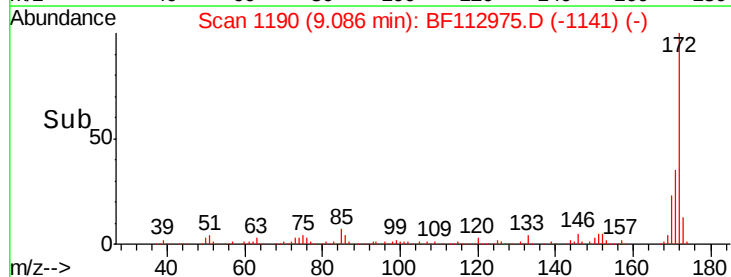
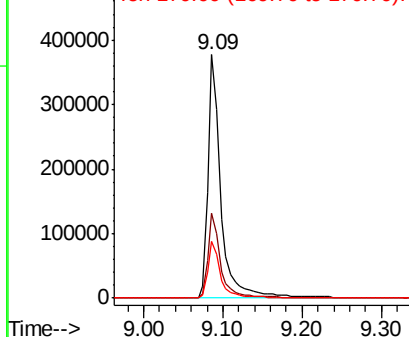


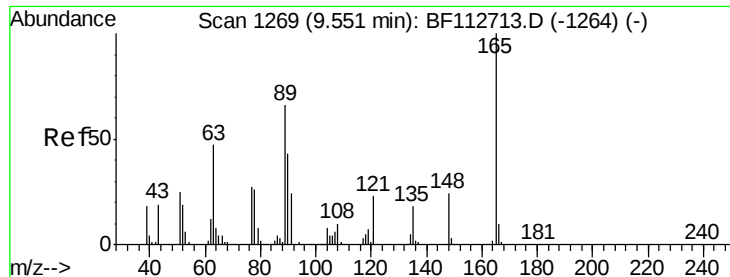
#45
 2-Fluorobiphenyl
 Concen: 16.324 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF112975.D
 Acq: 12 Mar 2019 00:38

Tgt Ion:172 Resp: 430473
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.0 43.4
 170 23.3 20.0 30.0



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: 8.295 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.21 min

Lab File: BF112975.D

Acq: 12 Mar 2019 00:38

Instrument :

BNA_F

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MR-MH-10-COMP

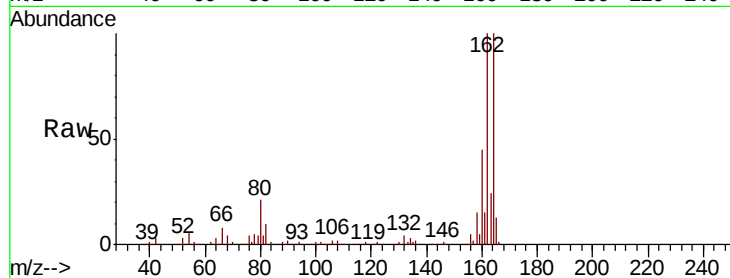
Tgt Ion:165 Resp: 43171

Ion Ratio Lower Upper

165 100

63 1.0 54.1 81.1#

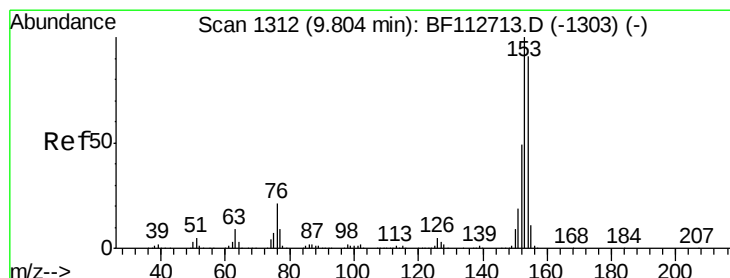
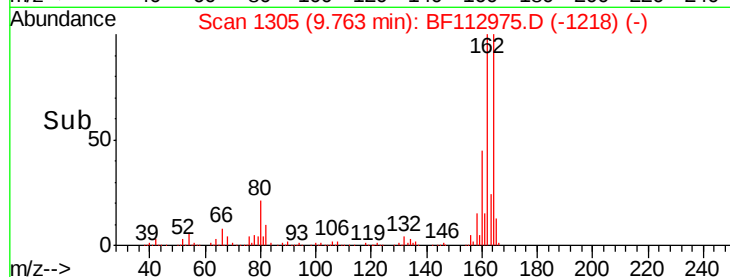
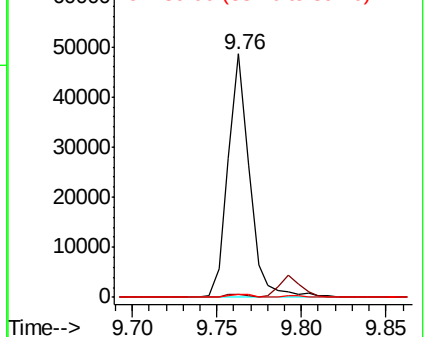
89 1.3 52.8 79.2#



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



#52

Acenaphthene

Concen: 2.183 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF112975.D

Acq: 12 Mar 2019 00:38

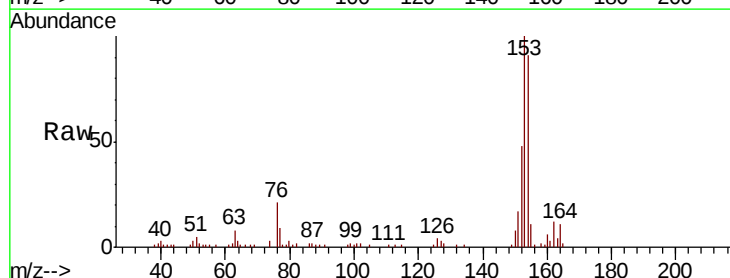
Tgt Ion:154 Resp: 46792

Ion Ratio Lower Upper

154 100

153 109.9 87.8 131.8

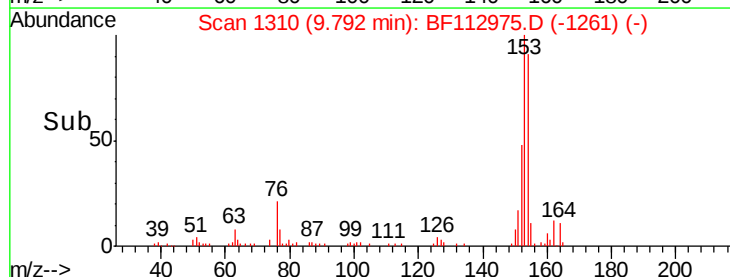
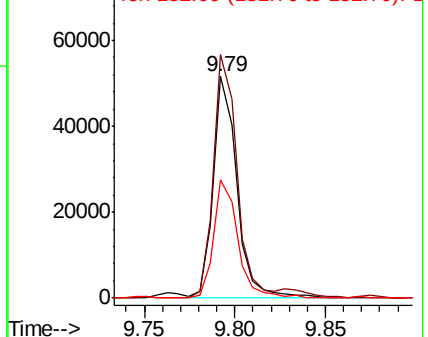
152 53.1 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

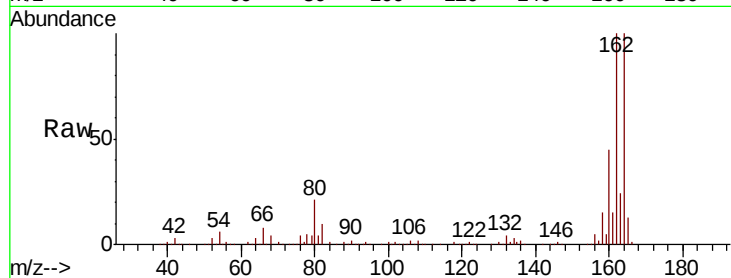




#57
2,4-Dinitrotoluene
Concen: 6.674 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.19 min
Lab File: BF112975.D
Acq: 12 Mar 2019 00:38

Instrument :
BNA_F
ClientSampleId :
MR-MH-10-COMP

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	42.2	63.2#
89	1.3	66.2	99.4#
182	0.0	1.8	2.6#

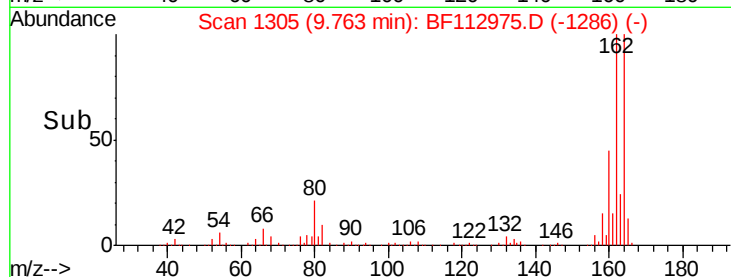
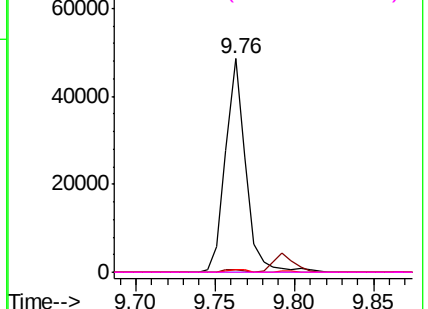


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

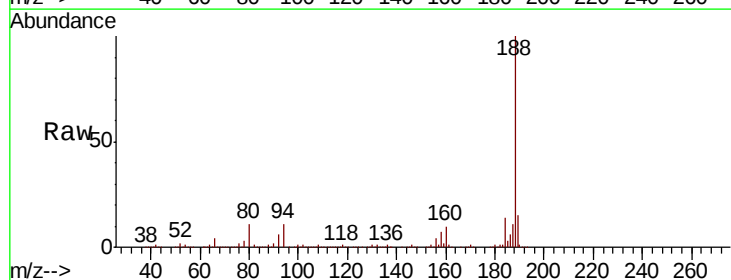
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF112975.D
Acq: 12 Mar 2019 00:38

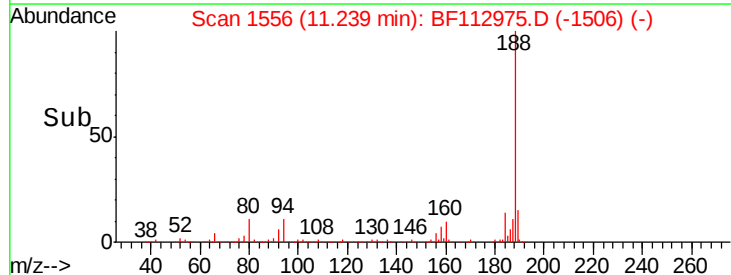
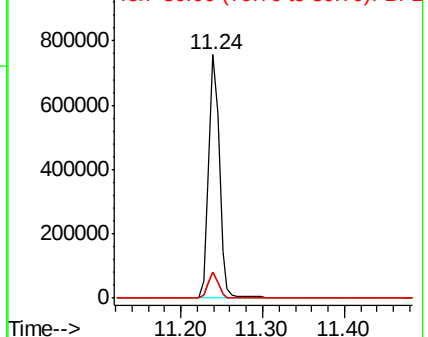
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	9.0	13.4
80	10.8	9.2	13.8

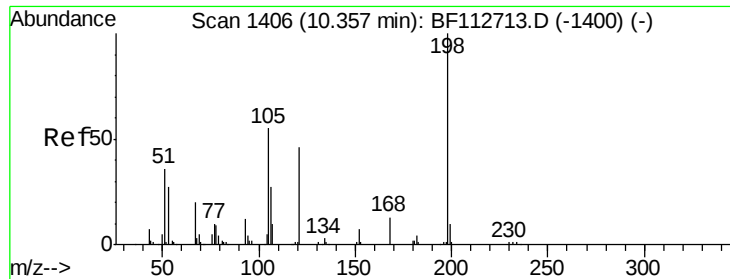


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

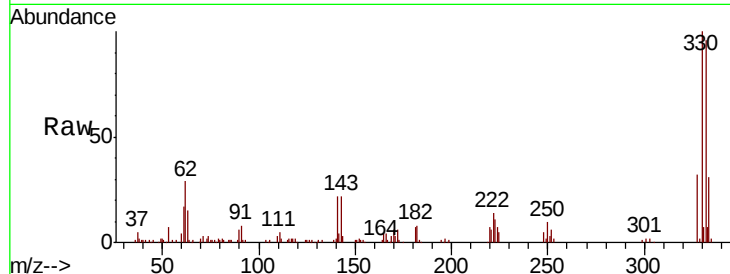




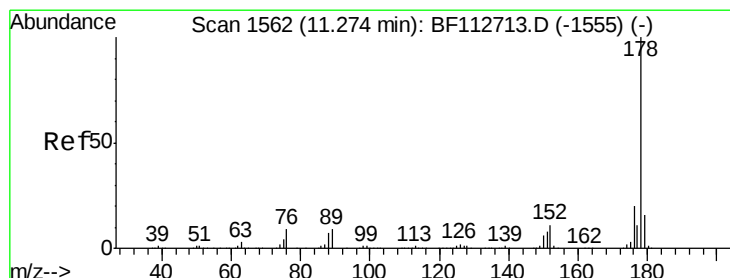
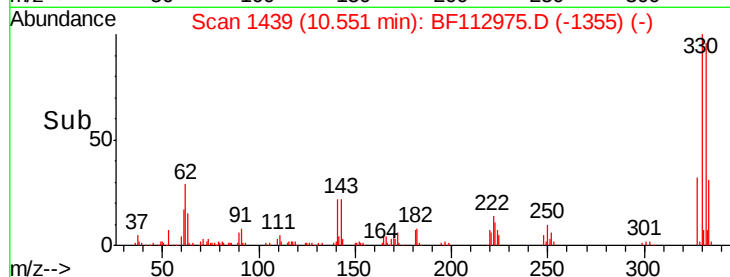
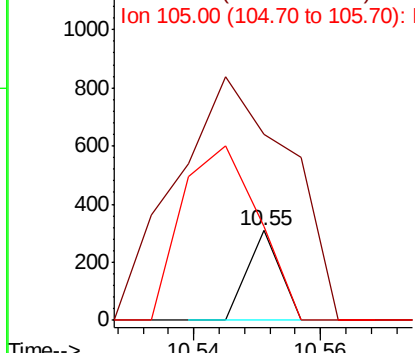
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.647 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.19 min
 Lab File: BF112975.D
 Acq: 12 Mar 2019 00:38

Instrument :
 BNA_F
 ClientSampleId :
 MR-MH-10-COMP

Tgt Ion:198 Resp: 109
 Ion Ratio Lower Upper
 198 100
 51 208.4 43.8 83.8#
 105 105.5 36.5 76.5#

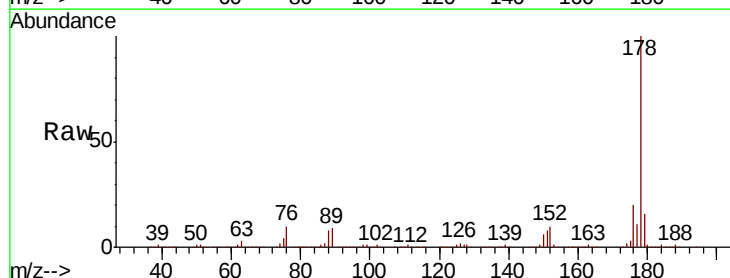


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

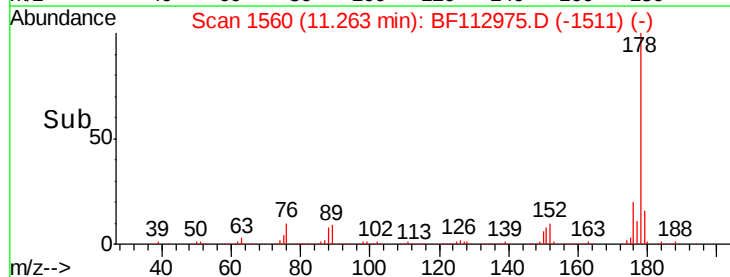
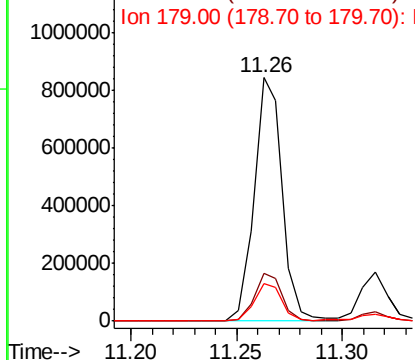


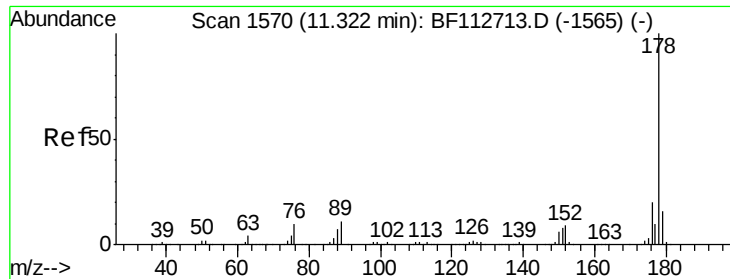
#71
 Phenanthrene
 Concen: 22.548 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: BF112975.D
 Acq: 12 Mar 2019 00:38

Tgt Ion:178 Resp: 780166
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.3 24.5
 179 15.6 12.7 19.1



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

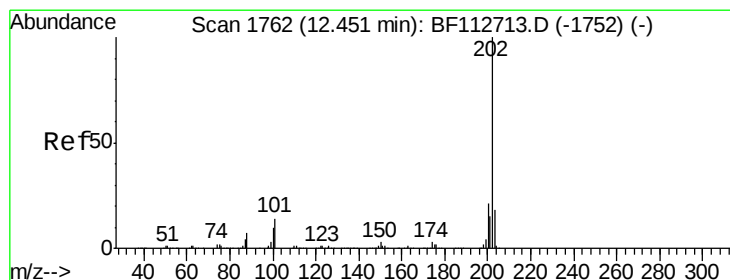
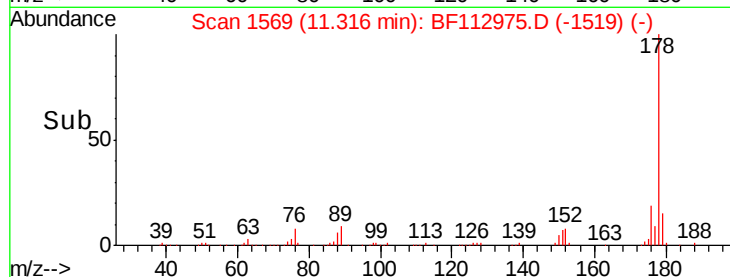
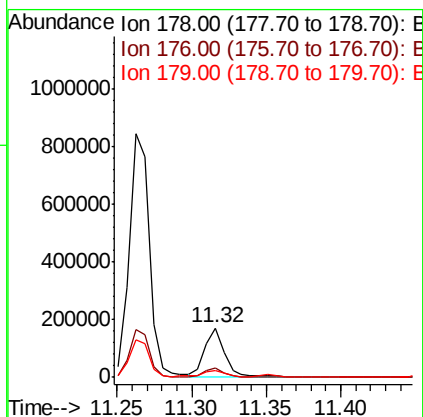
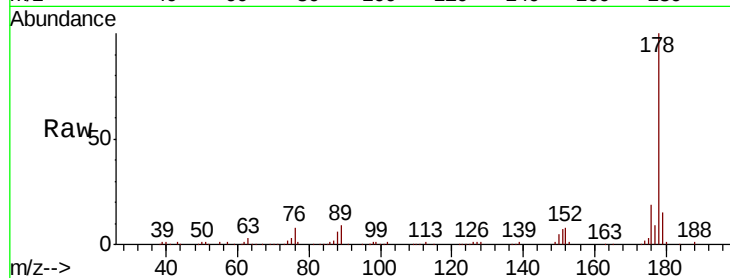




#72
 Anthracene
 Concen: 4.449 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF112975.D
 Acq: 12 Mar 2019 00:38

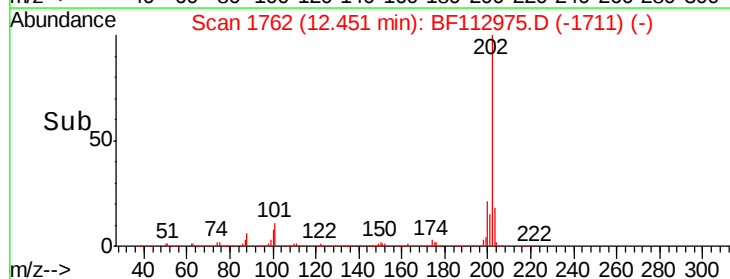
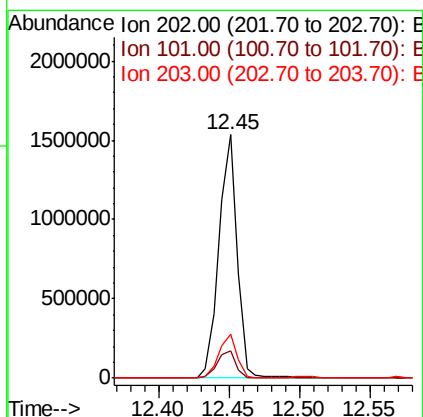
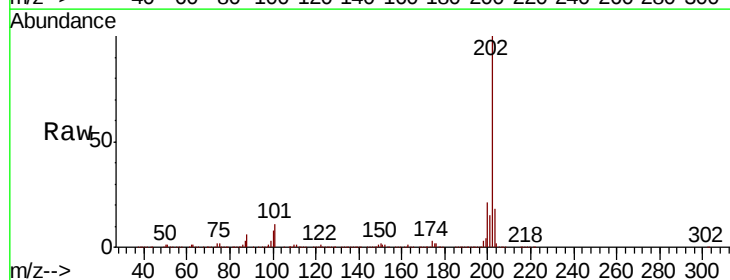
Instrument :
 BNA_F
 ClientSampleId :
 MR-MH-10-COMP

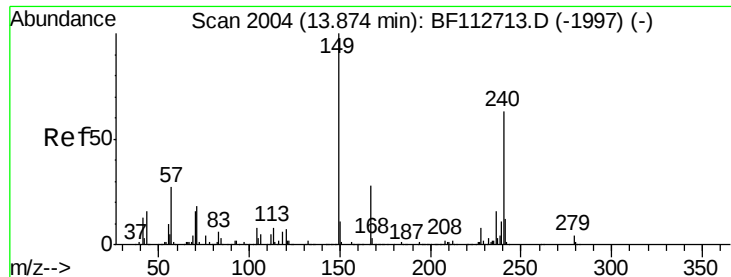
Tgt Ion:178 Resp: 161131
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.8 23.6
 179 15.0 13.0 19.6



#75
 Fluoranthene
 Concen: 37.271 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BF112975.D
 Acq: 12 Mar 2019 00:38

Tgt Ion:202 Resp: 1381625
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 33.8
 203 18.2 0.0 38.4

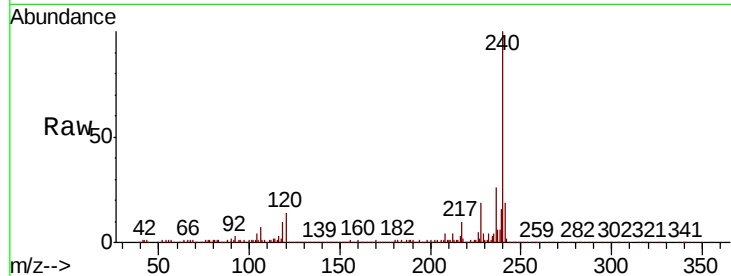




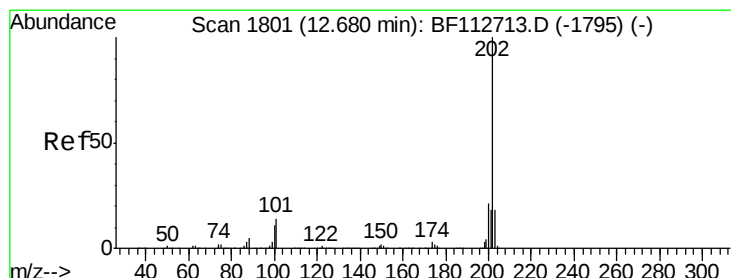
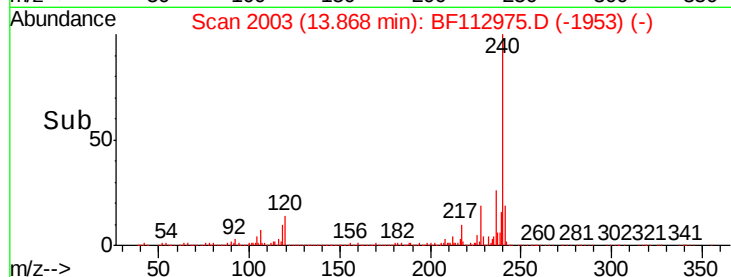
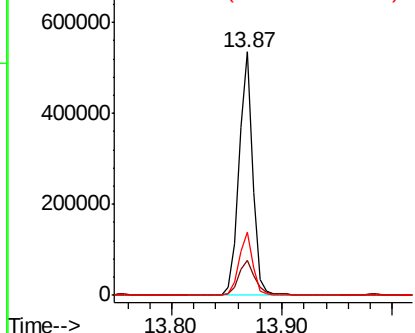
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF112975.D
Acq: 12 Mar 2019 00:38

Instrument :
BNA_F
ClientSampleId :
MR-MH-10-COMP

Tgt Ion:240 Resp: 470341
Ion Ratio Lower Upper
240 100
120 14.5 8.9 13.3#
236 25.7 20.7 31.1

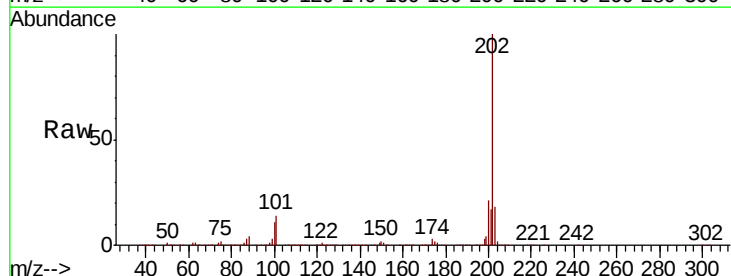


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

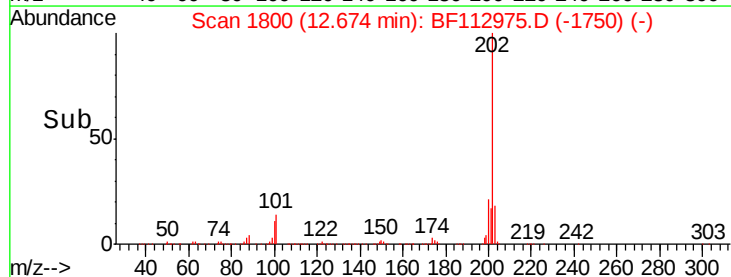
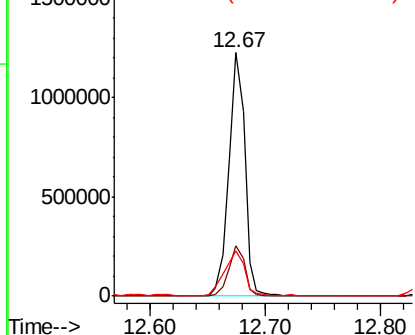


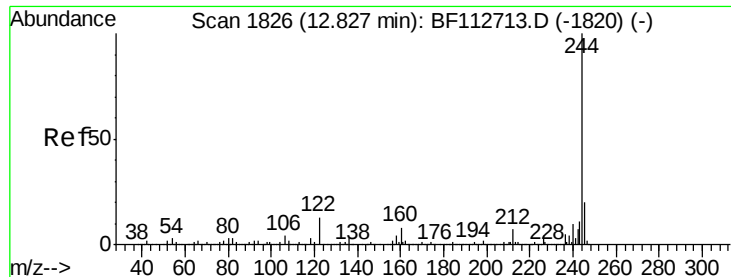
#78
Pyrene
Concen: 29.758 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF112975.D
Acq: 12 Mar 2019 00:38

Tgt Ion:202 Resp: 1179944
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.4
203 18.5 14.4 21.6



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: 17.520 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF112975.D

Acq: 12 Mar 2019 00:38

Instrument :

BNA_F

ClientSampleId :

MR-MH-10-COMP

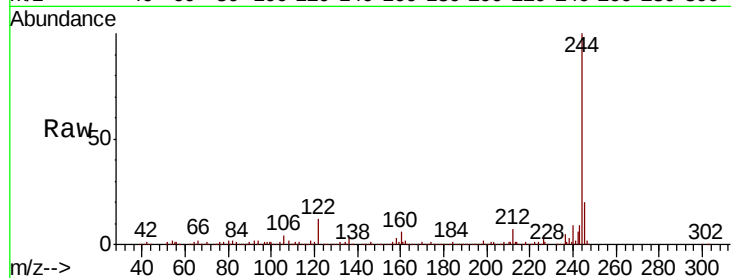
Tgt Ion:244 Resp: 425093

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

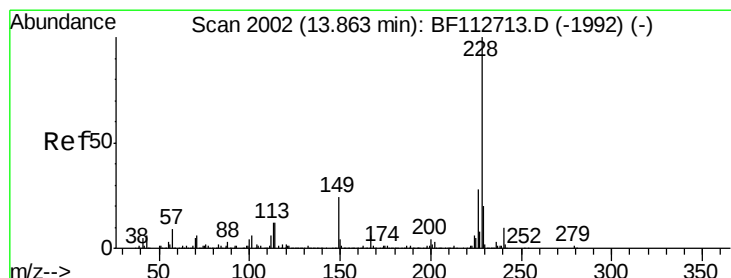
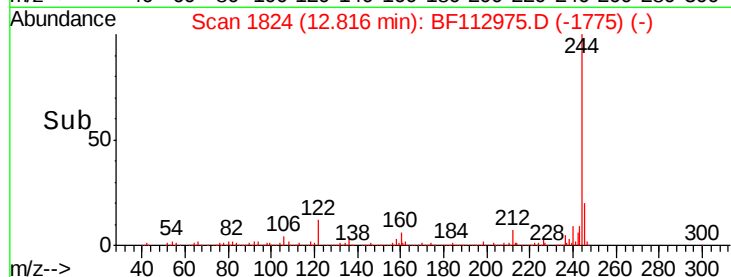
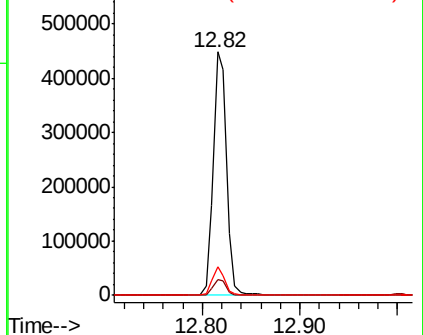
122 11.8 10.5 15.7



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: 16.677 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF112975.D

Acq: 12 Mar 2019 00:38

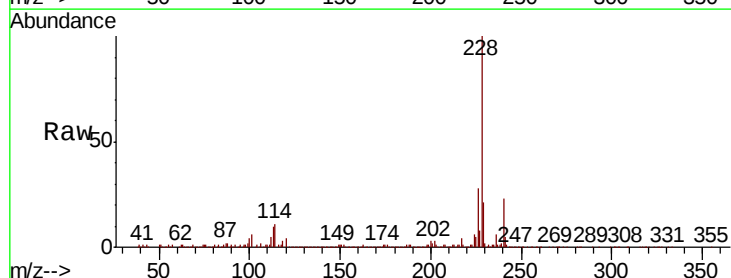
Tgt Ion:228 Resp: 543650

Ion Ratio Lower Upper

228 100

226 27.7 22.2 33.4

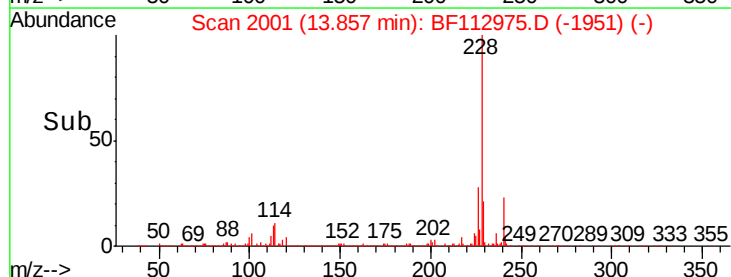
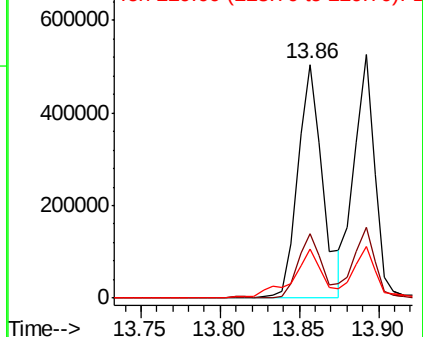
229 21.1 16.0 24.0

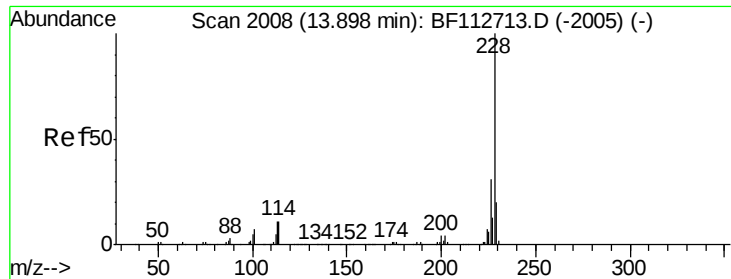


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

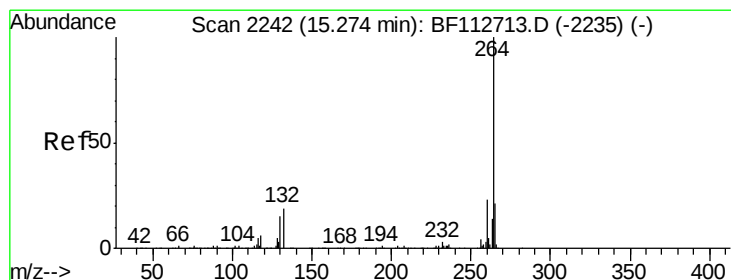
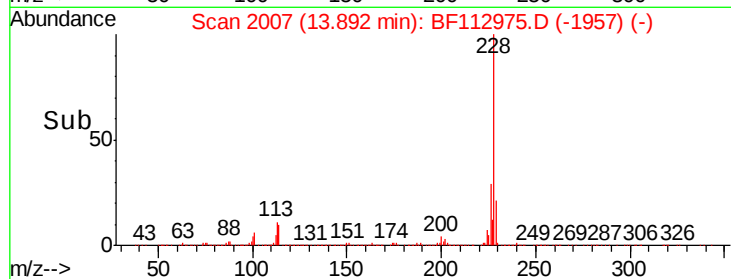
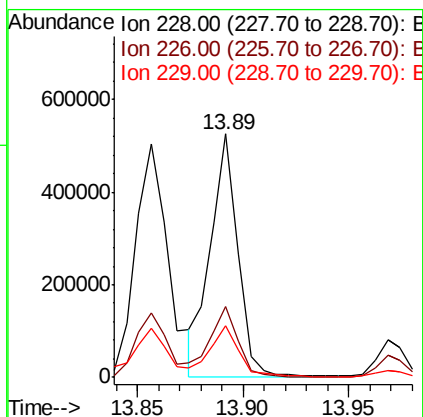
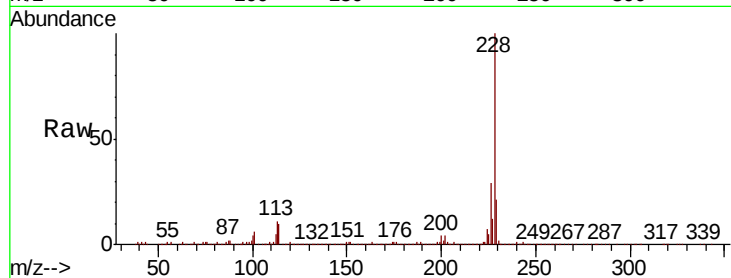




#83
Chrysene
Concen: 14.928 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF112975.D
Acq: 12 Mar 2019 00:38

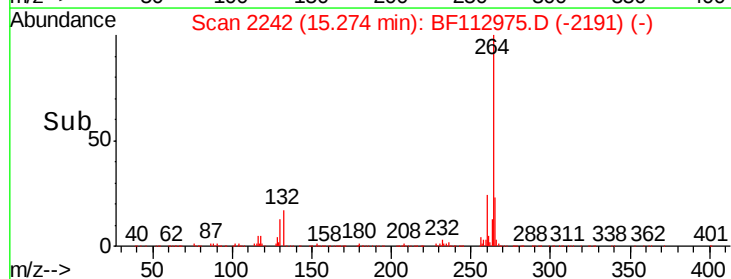
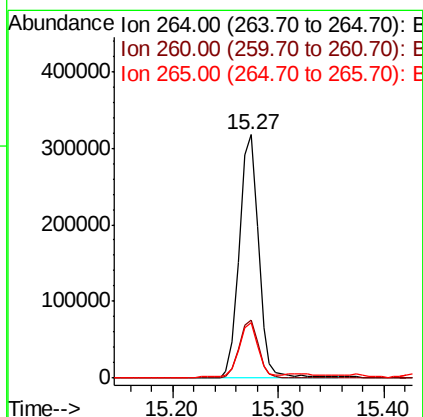
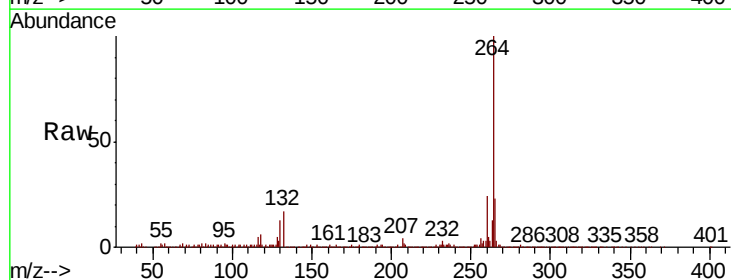
Instrument :
BNA_F
ClientSampleId :
MR-MH-10-COMP

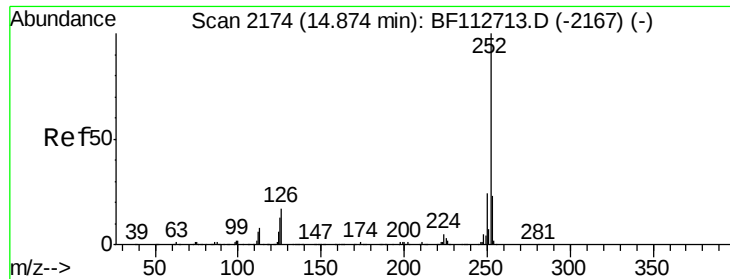
Tgt Ion:228 Resp: 476650
Ion Ratio Lower Upper
228 100
226 29.3 24.9 37.3
229 21.0 16.3 24.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.00 min
Lab File: BF112975.D
Acq: 12 Mar 2019 00:38

Tgt Ion:264 Resp: 397469
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 22.8 17.2 25.8

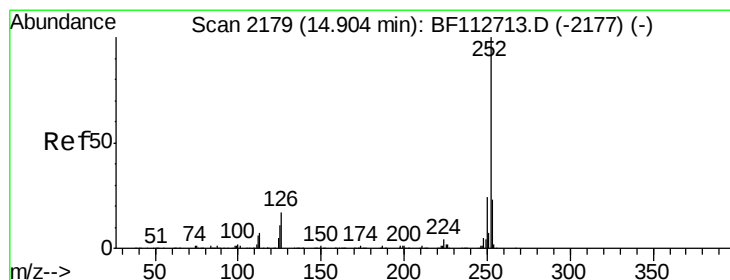
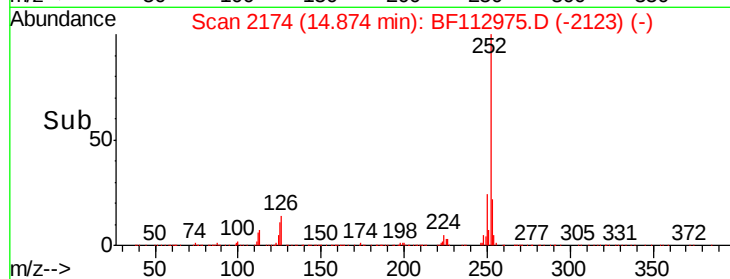
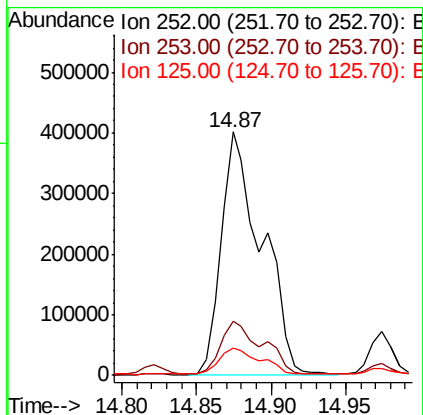
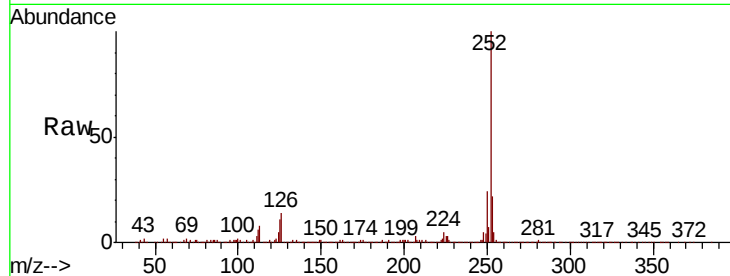




#88
Benzo(b)fluoranthene
Concen: 29.512 ng
RT: 14.87 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BF112975.D
Acq: 12 Mar 2019 00:38

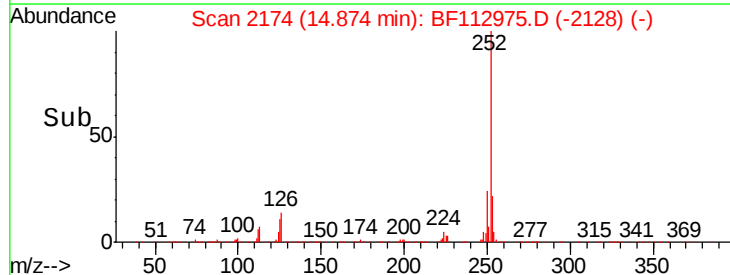
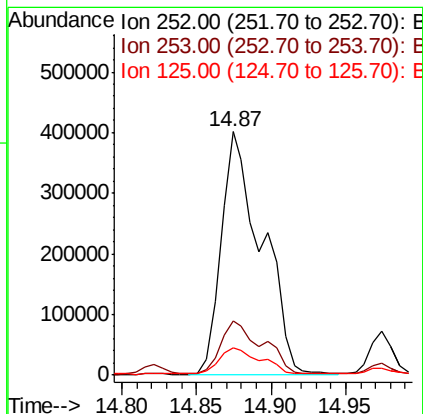
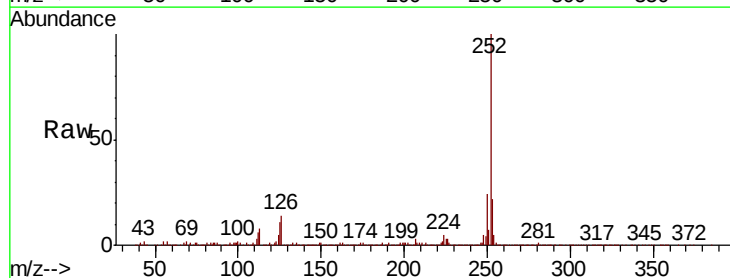
Instrument :
BNA_F
ClientSampleId :
MR-MH-10-COMP

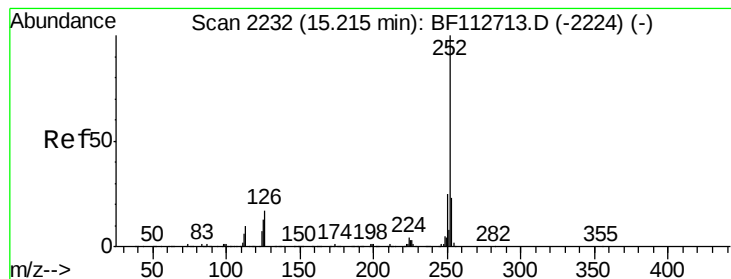
Tgt Ion:252 Resp: 758728
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 11.4 10.2 15.2



#89
Benzo(k)fluoranthene
Concen: 32.581 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF112975.D
Acq: 12 Mar 2019 00:38

Tgt Ion:252 Resp: 758728
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.2
125 11.4 9.8 14.6





#90

Benzo(a)pyrene

Concen: 10.953 ng

RT: 15.16 min Scan# 2222

Delta R.T. -0.06 min

Lab File: BF112975.D

Acq: 12 Mar 2019 00:38

Instrument :

BNA_F

ClientSampleId :

MR-MH-10-COMP

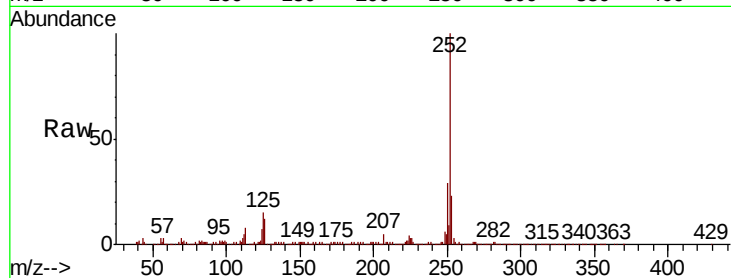
Tgt Ion:252 Resp: 249066

Ion Ratio Lower Upper

252 100

253 22.9 18.0 27.0

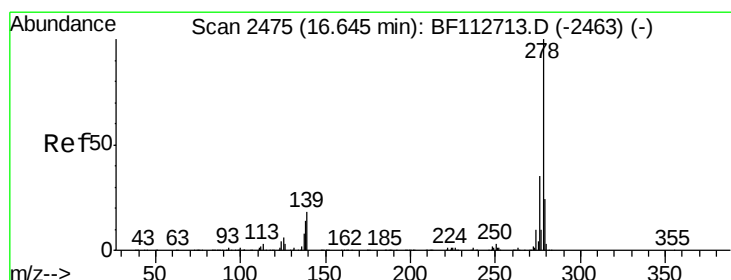
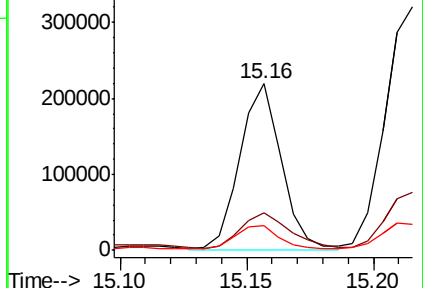
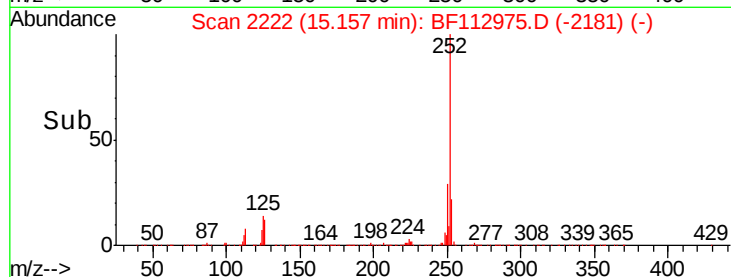
125 14.5 10.7 16.1



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: 2.478 ng

RT: 16.64 min Scan# 2474

Delta R.T. -0.01 min

Lab File: BF112975.D

Acq: 12 Mar 2019 00:38

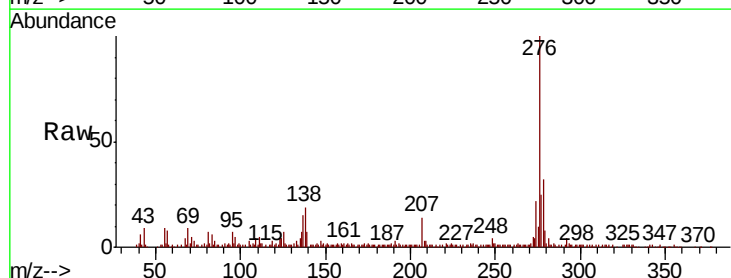
Tgt Ion:278 Resp: 48084

Ion Ratio Lower Upper

278 100

139 22.6 14.3 21.5#

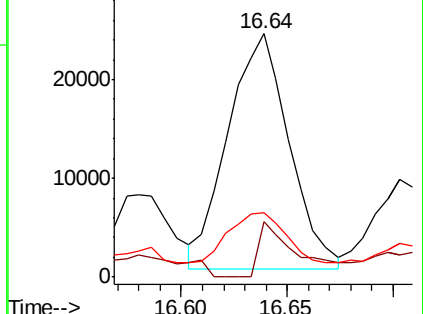
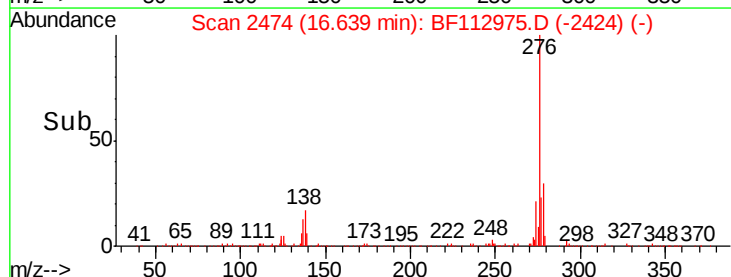
279 26.3 19.4 29.0

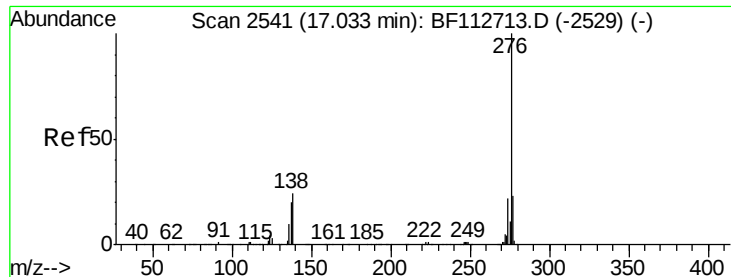


Abundance Ion 278.00 (277.70 to 278.70): E

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: 9.828 ng

RT: 17.04 min Scan# 2542

Delta R.T. 0.01 min

Lab File: BF112975.D

Acq: 12 Mar 2019 00:38

Instrument :

BNA_F

ClientSampleId :

MR-MH-10-COMP

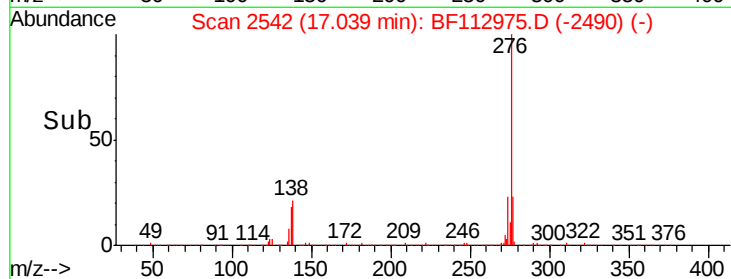
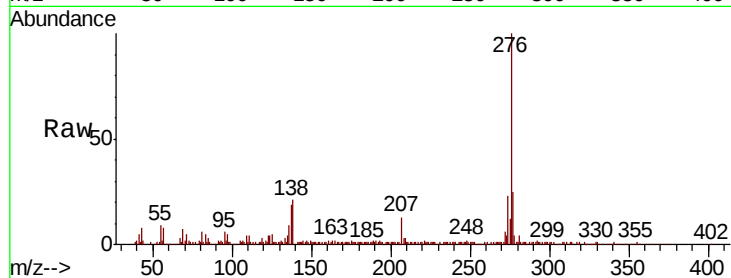
Tgt Ion: 276 Resp: 191508

Ion Ratio Lower Upper

276 100

277 25.1 18.6 27.8

138 21.3 19.4 29.0



Abundance Ion 276.00 (275.70 to 276.70): E

120000 Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

