

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
 Data File : BF104604.D
 Acq On : 18 Apr 2018 16:24
 Operator : JU/SJ
 Sample : J2413-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 17:04:54 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 18 11:52:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	118977	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	446170	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	166786	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	269706	20.00	ng	0.00
75) Chrysene-d12	13.97	240	280852	20.00	ng	0.00
86) Perylene-d12	15.44	264	241250	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	656751	84.40	ng	0.00
7) Phenol-d6	6.44	99	768233	80.36	ng	0.00
23) Nitrobenzene-d5	7.37	82	501484	73.39	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	140524	81.22	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	762671	72.24	ng	0.00
78) Terphenyl-d14	12.92	244	634398	51.50	ng	0.00

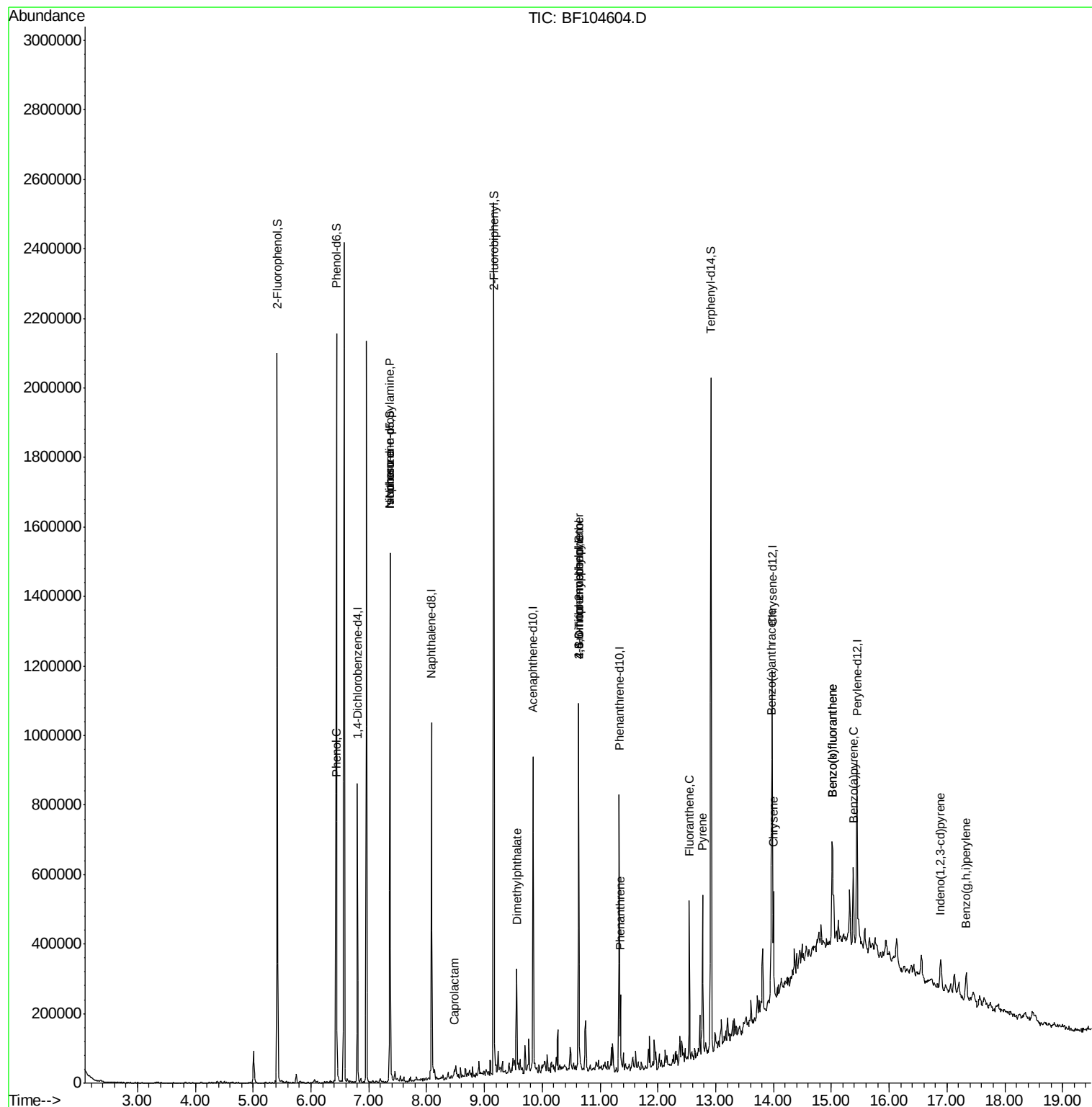
Target Compounds				Qvalue		
10) Phenol	6.45	94	26908	2.653	ng	95
19) n-Nitroso-di-n-propylamine	7.37	70	64647	10.348	ng	# 73
25) Isophorone	7.37	82	501472	34.706	ng	# 64
35) Caprolactam	8.48	113	4603	2.169	ng	# 90
49) Dimethylphthalate	9.56	163	96745	7.356	ng	99
64) 4,6-Dinitro-2-methylphenol	10.63	198	293	7.536	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	8484	2.957	ng	# 1
70) Phenanthrene	11.35	178	69870	4.652	ng	99
74) Fluoranthene	12.54	202	164827	10.503	ng	98
76) Benzidine	12.73	184	374	Below Cal		# 1
77) Pyrene	12.77	202	167324	8.038	ng	99
80) Benzo(a)anthracene	13.96	228	115522	6.885	ng	94
82) Chrysene	14.00	228	122459	7.106	ng	98
85) Indeno(1,2,3-cd)pyrene	16.89	276	56282	3.844	ng	94
87) Benzo(b)fluoranthene	15.02	252	208434	13.680	ng	# 94
88) Benzo(k)fluoranthene	15.02	252	208434	14.490	ng	96
89) Benzo(a)pyrene	15.38	252	100389	7.364	ng	# 94
91) Benzo(g,h,i)perylene	17.33	276	60568	5.583	ng	97

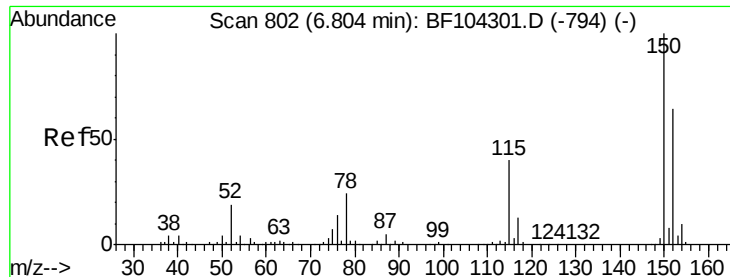
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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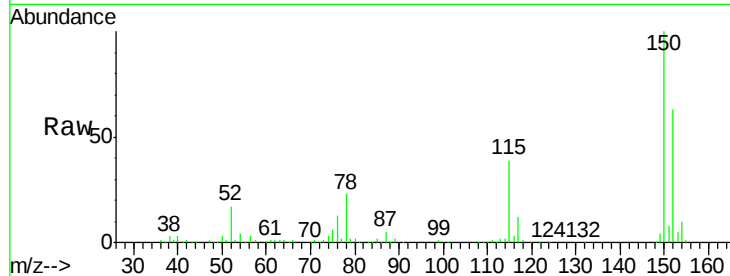


#1

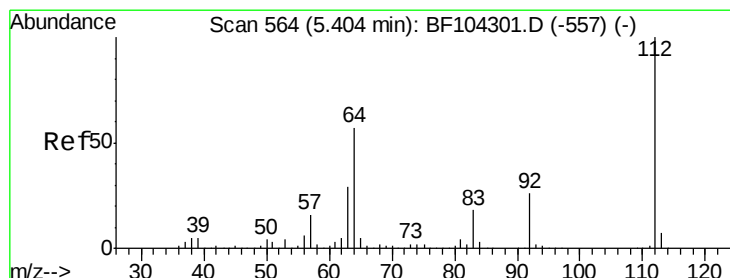
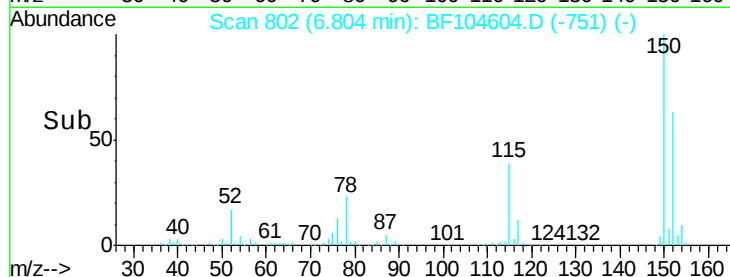
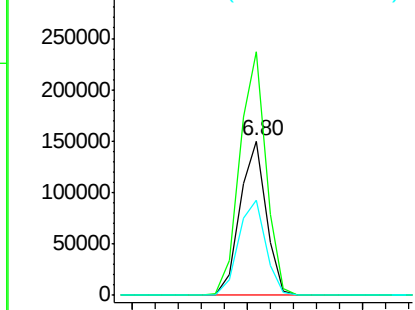
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104604.D
Acq: 18 Apr 2018 16:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	62.1	50.1	75.1



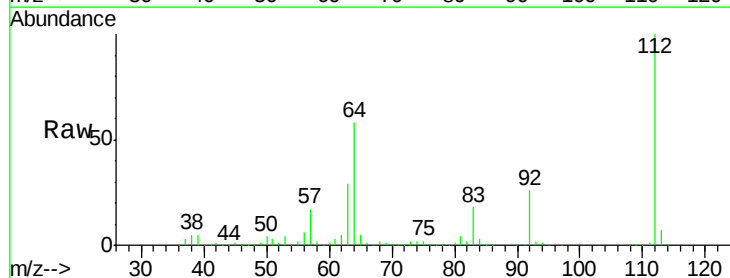
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



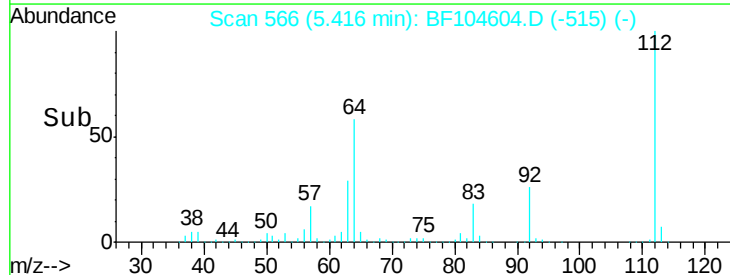
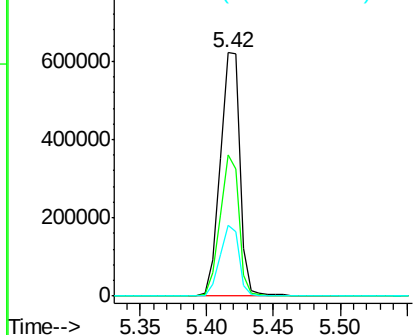
#5

2-Fluorophenol
Concen: 84.404 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104604.D
Acq: 18 Apr 2018 16:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	47.9	71.9
63	29.3	23.7	35.5



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: 80.356 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF104604.D

Acq: 18 Apr 2018 16:24

Instrument :

BNA_F

ClientSampleId :

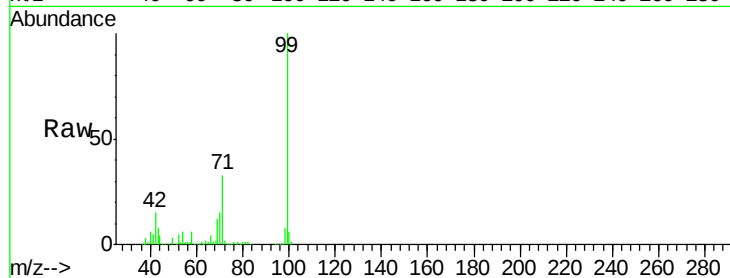
Tot Ion: 99 Resp: 768233

Ion Ratio Lower Upper

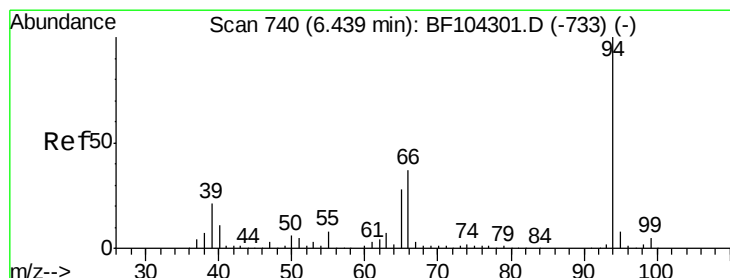
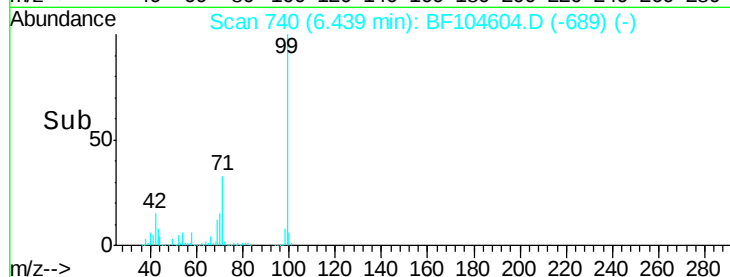
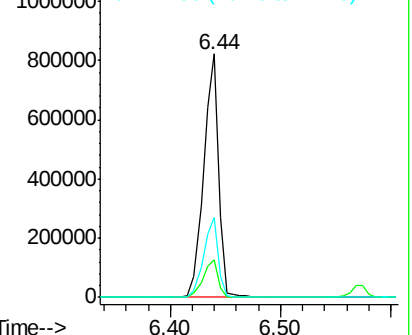
99 100

42 15.3 14.5 21.7

71 32.6 25.4 38.0



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: 2.653 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF104604.D

Acq: 18 Apr 2018 16:24

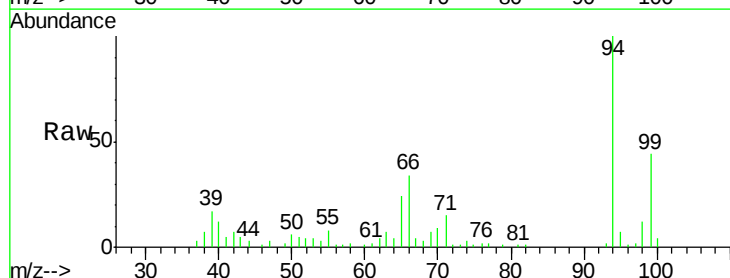
Tgt Ion: 94 Resp: 26908

Ion Ratio Lower Upper

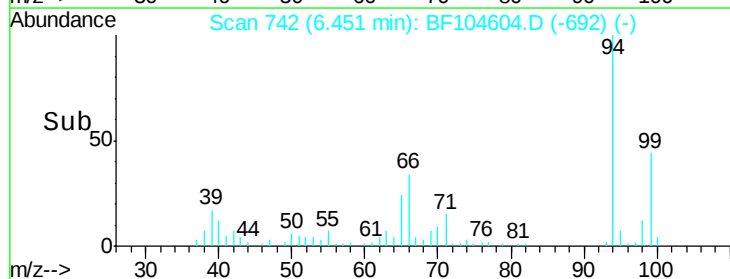
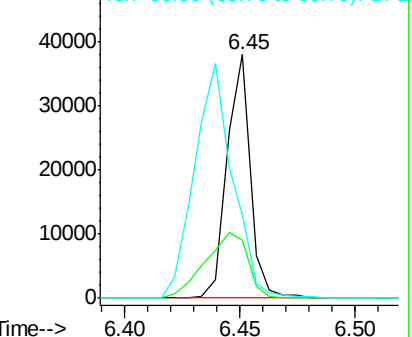
94 100

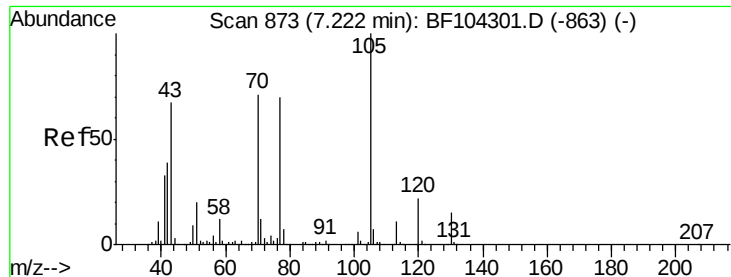
65 24.0 7.9 47.9

66 34.4 16.2 56.2



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

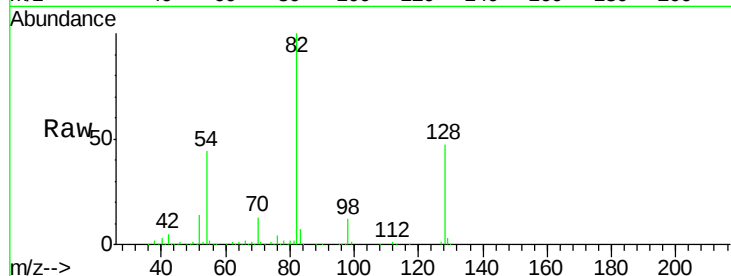




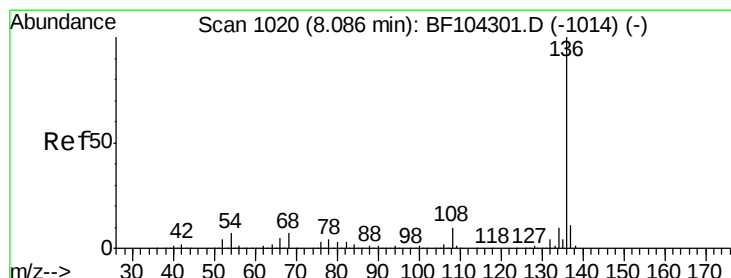
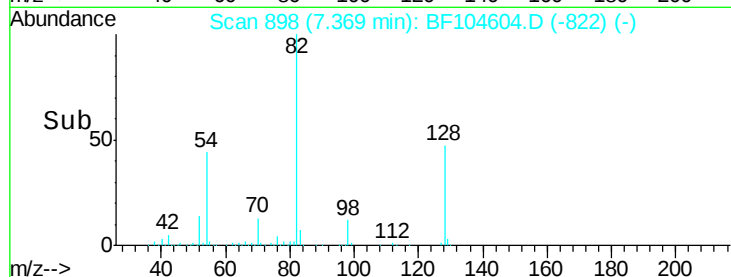
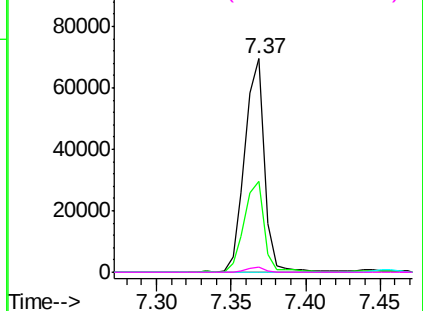
#19
n-Nitroso-di-n-propylamine
Concen: 10.348 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.15 min
Lab File: BF104604.D
Acq: 18 Apr 2018 16:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 64647
Ion Ratio Lower Upper
70 100
42 42.3 47.5 71.3#
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#

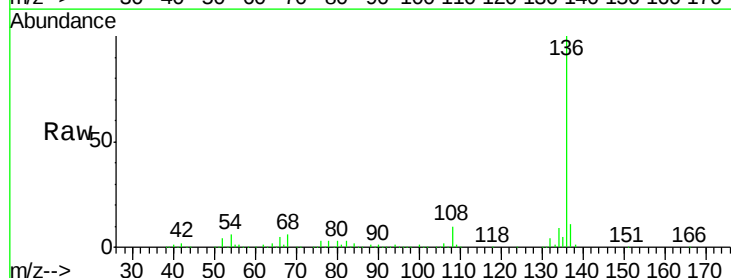


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

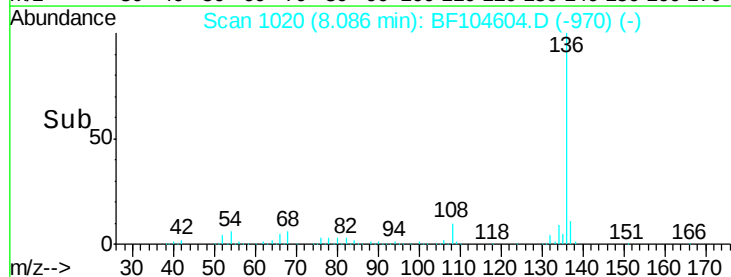
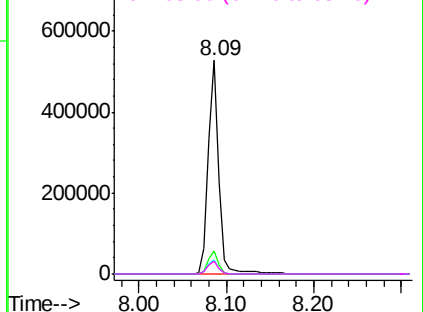


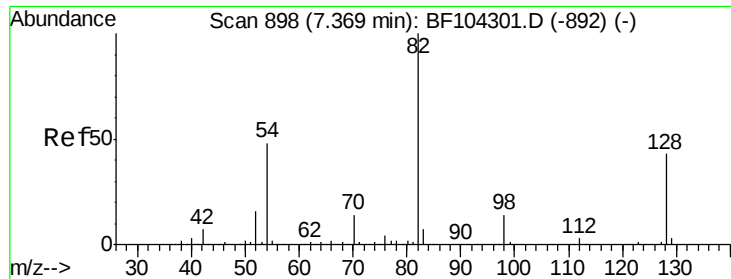
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104604.D
Acq: 18 Apr 2018 16:24

Tgt Ion: 136 Resp: 446170
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 6.4 6.6 9.8#
68 6.0 5.0 7.4



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: 73.393 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF104604.D

Acq: 18 Apr 2018 16:24

Instrument :

BNA_F

ClientSampled :

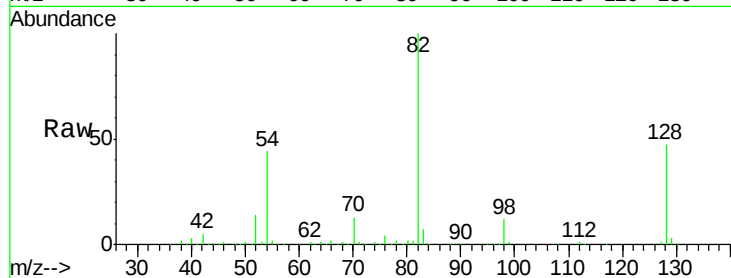
Tot Ion: 82 Resp: 501484

Ion Ratio Lower Upper

82 100

128 46.8 36.1 54.1

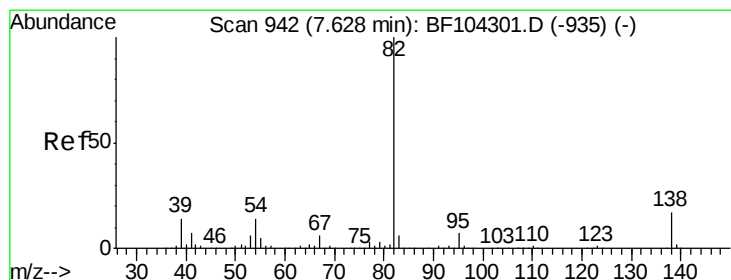
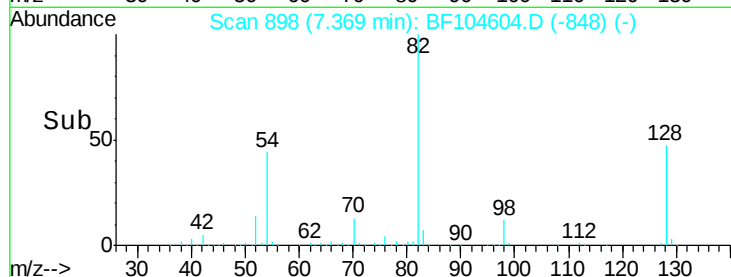
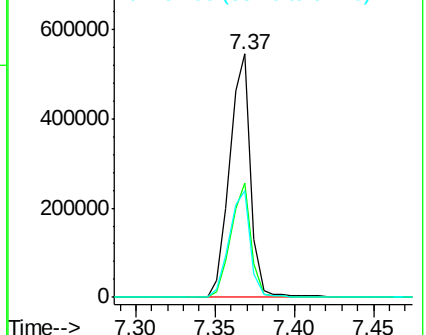
54 43.6 41.4 62.2



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: 34.706 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104604.D

Acq: 18 Apr 2018 16:24

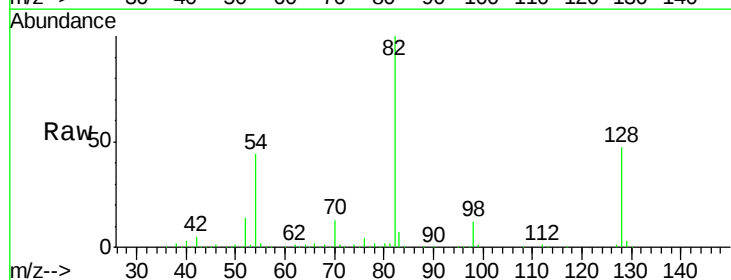
Tgt Ion: 82 Resp: 501472

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

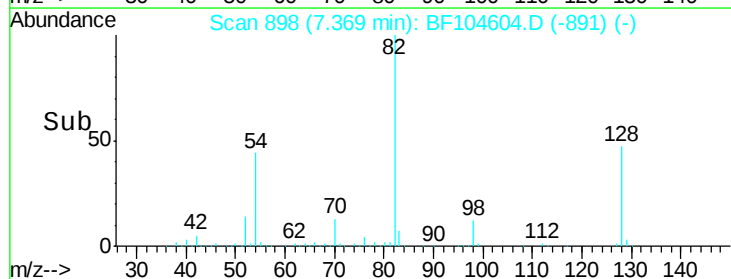
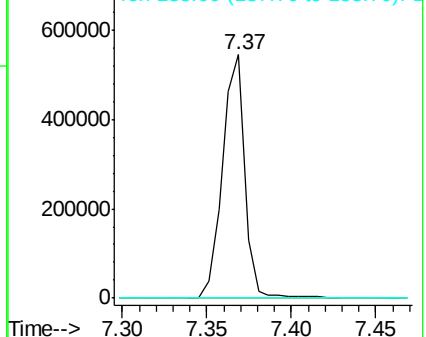
138 0.0 14.9 22.3#

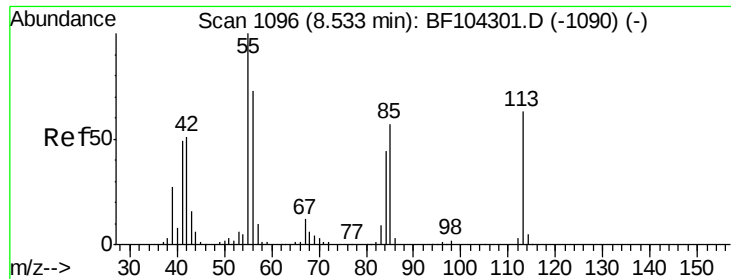


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

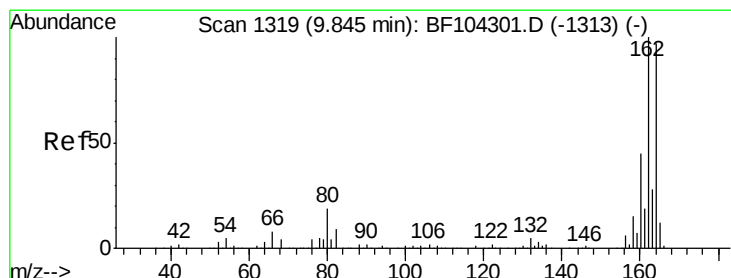
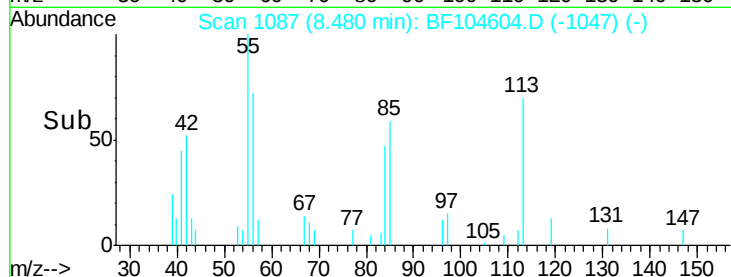
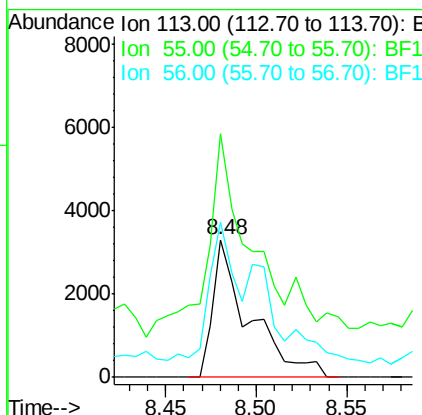
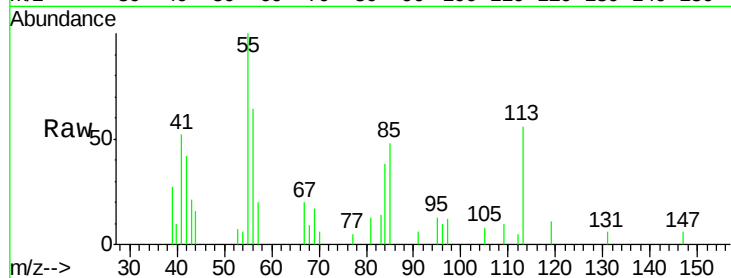




#35
 Caprolactam
 Concen: 2.169 ng
 RT: 8.48 min Scan# 1087
 Delta R.T. -0.06 min
 Lab File: BF104604.D
 Acq: 18 Apr 2018 16:24

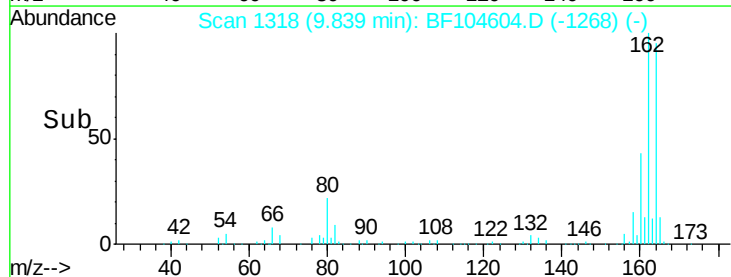
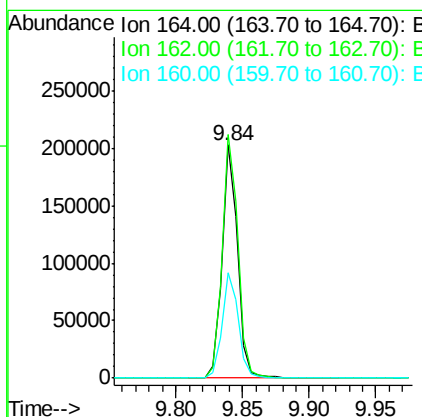
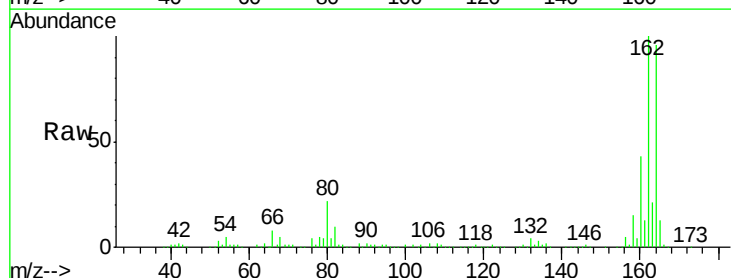
Instrument :
 BNA_F
 ClientSampled :

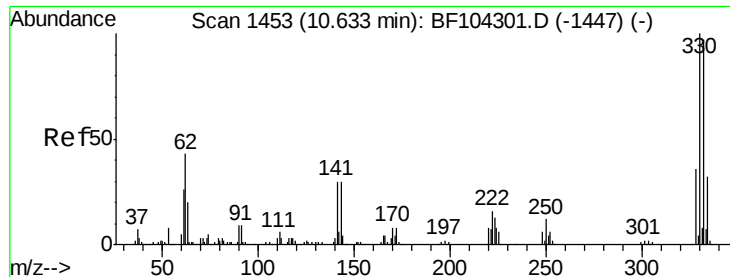
Tot Ion:113 Resp: 4603
 Ion Ratio Lower Upper
 113 100
 55 177.2 163.3 203.3
 56 113.3 115.7 155.7#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104604.D
 Acq: 18 Apr 2018 16:24

Tgt Ion:164 Resp: 166786
 Ion Ratio Lower Upper
 164 100
 162 104.4 86.1 129.1
 160 45.0 38.3 57.5

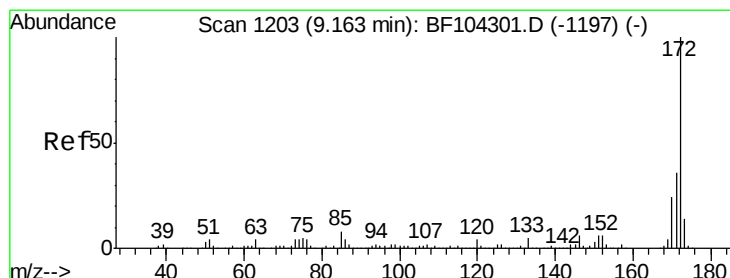
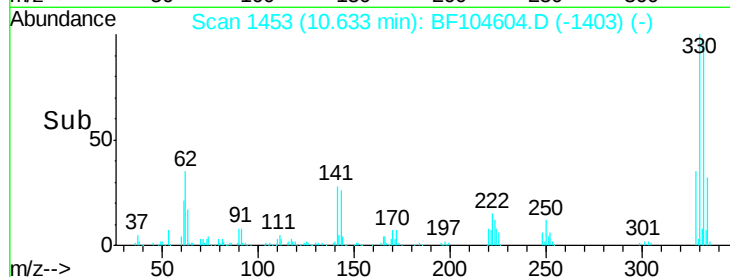
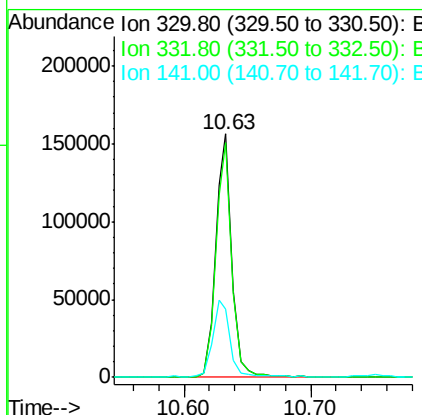
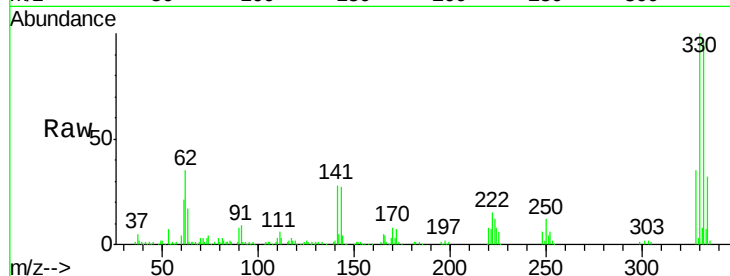




#41
 2,4,6-Tribromophenol
 Concen: 81.222 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104604.D
 Acq: 18 Apr 2018 16:24

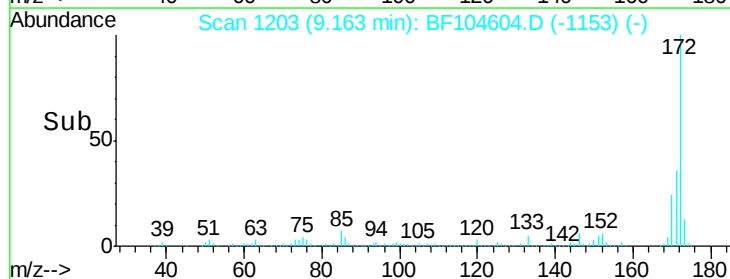
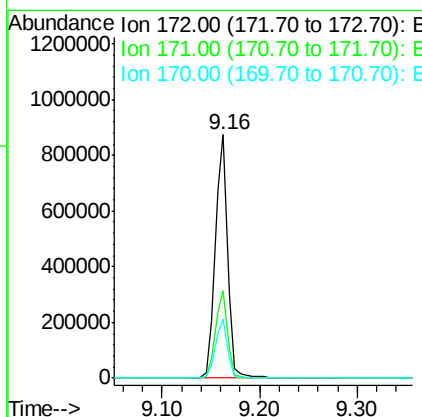
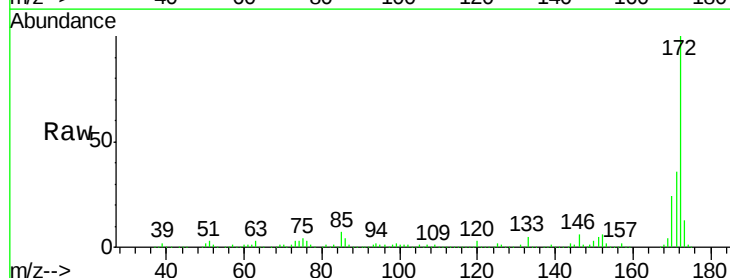
Instrument :
 BNA_F
 ClientSampleId :

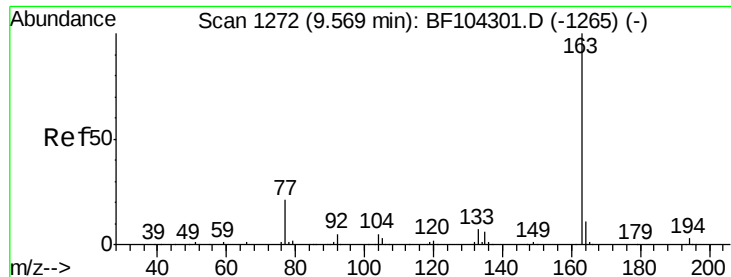
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	33.3	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 72.238 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104604.D
 Acq: 18 Apr 2018 16:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.2	19.6	29.4

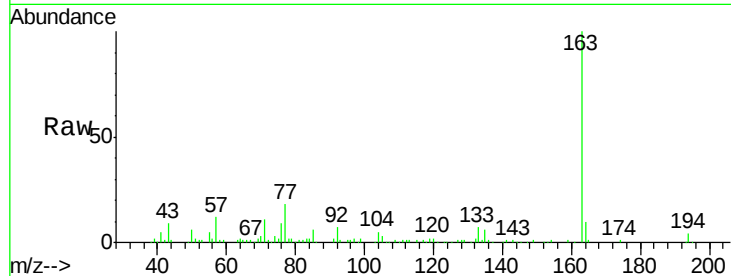




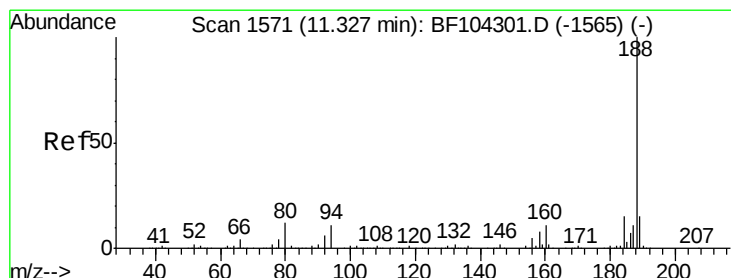
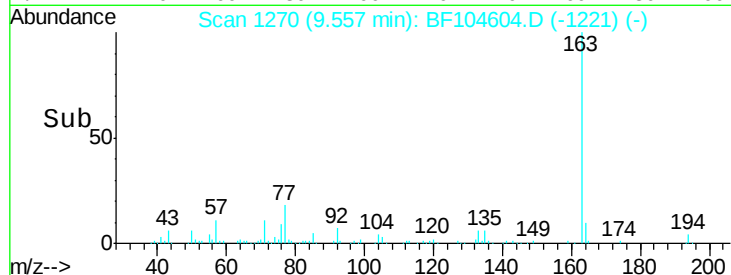
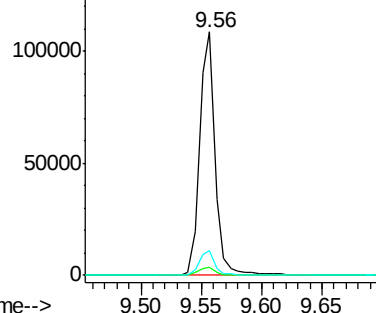
#49
Dimethylphthalate
Concen: 7.356 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104604.D
Acq: 18 Apr 2018 16:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 96745
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.9 8.2 12.2

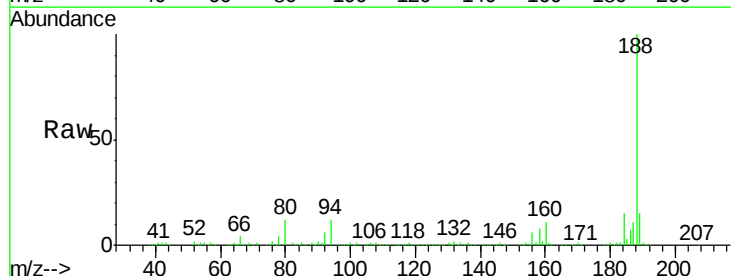


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

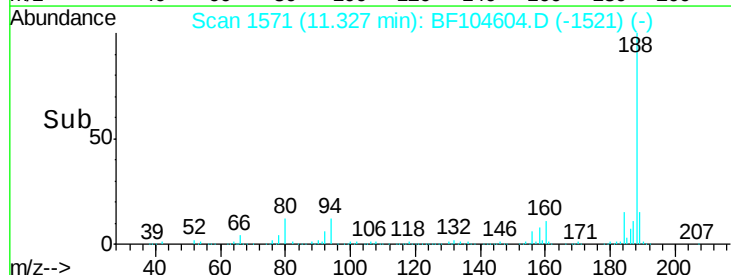
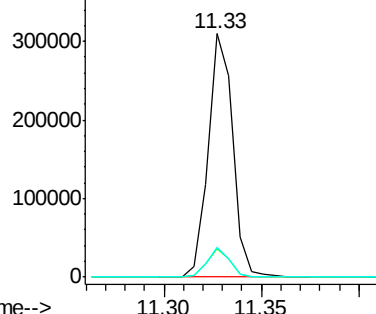


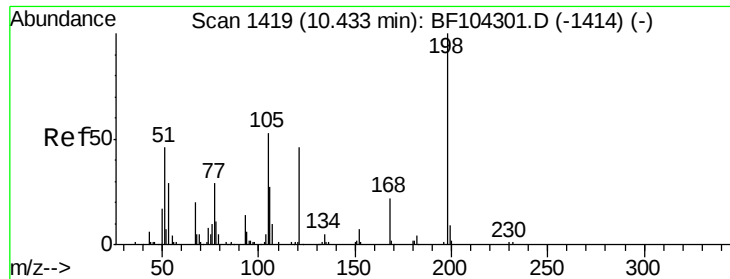
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104604.D
Acq: 18 Apr 2018 16:24

Tgt Ion:188 Resp: 269706
Ion Ratio Lower Upper
188 100
94 11.5 8.5 12.7
80 12.4 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

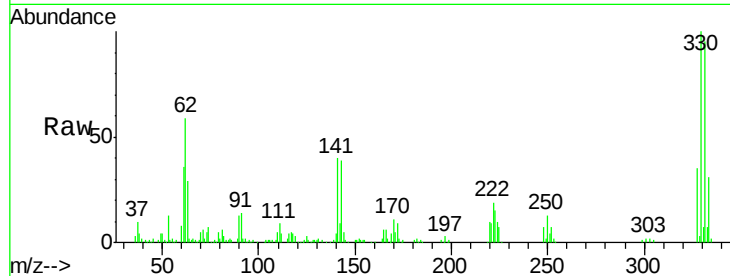




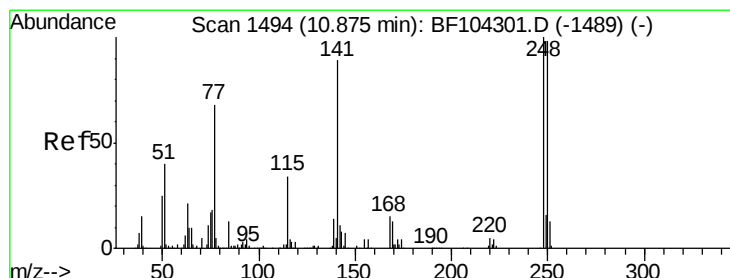
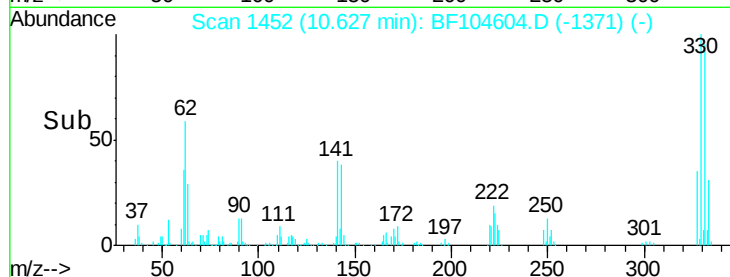
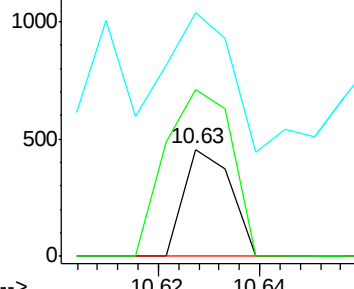
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.536 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.18 min
 Lab File: BF104604.D
 Acq: 18 Apr 2018 16:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 293
 Ion Ratio Lower Upper
 198 100
 51 155.4 37.7 77.7#
 105 226.9 36.3 76.3#

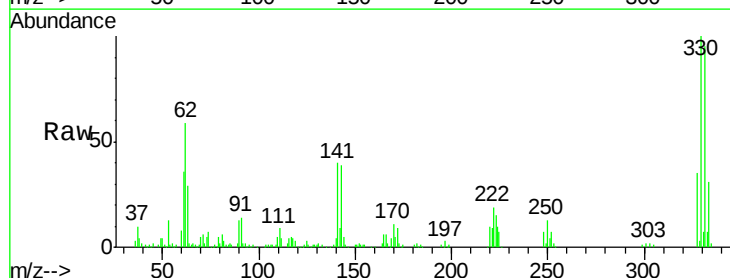


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

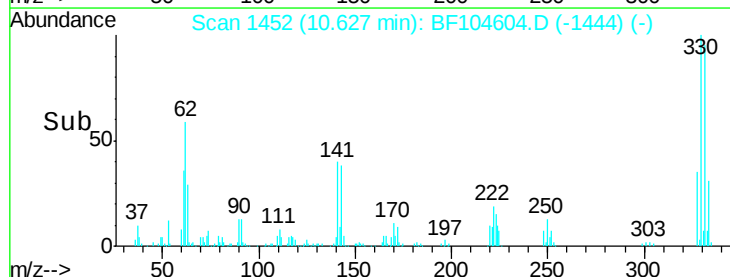
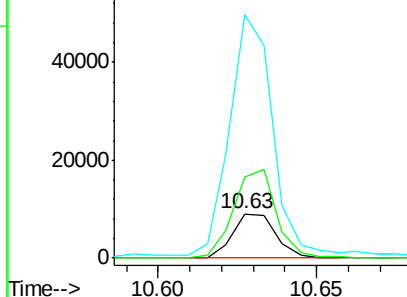


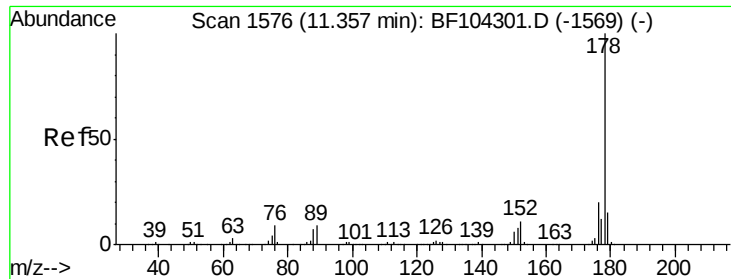
#66
 4-Bromophenyl-phenylether
 Concen: 2.957 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.25 min
 Lab File: BF104604.D
 Acq: 18 Apr 2018 16:24

Tgt Ion:248 Resp: 8484
 Ion Ratio Lower Upper
 248 100
 250 183.6 76.9 115.3#
 141 550.1 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 4.652 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF104604.D

Acq: 18 Apr 2018 16:24

Instrument :

BNA_F

ClientSampled :

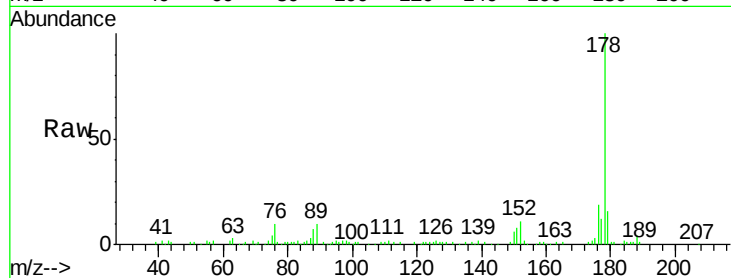
Tot Ion:178 Resp: 69870

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

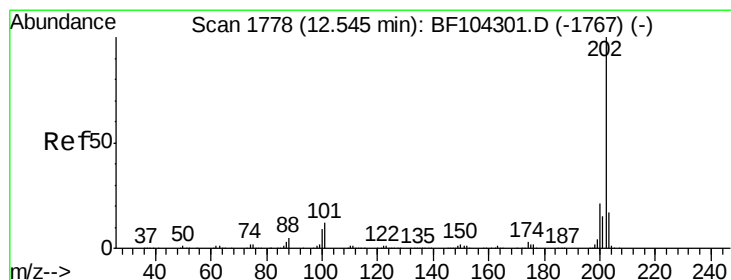
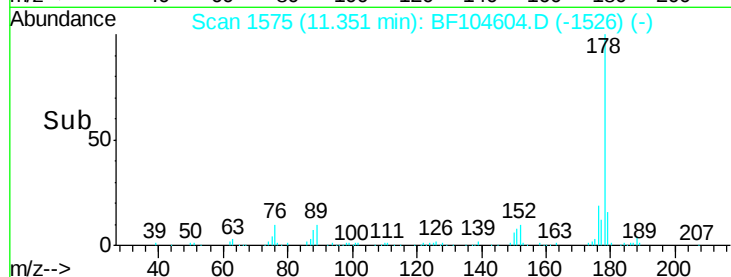
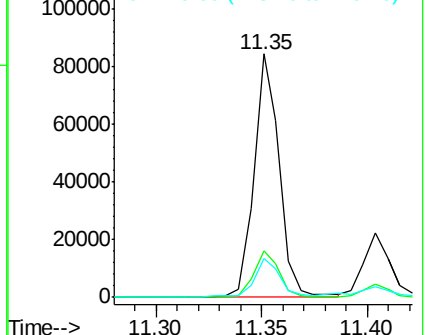
179 16.1 13.0 19.6



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



#74

Fluoranthene

Concen: 10.503 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104604.D

Acq: 18 Apr 2018 16:24

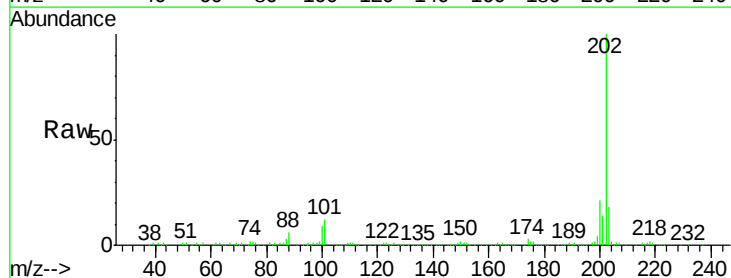
Tgt Ion:202 Resp: 164827

Ion Ratio Lower Upper

202 100

101 12.2 0.0 34.1

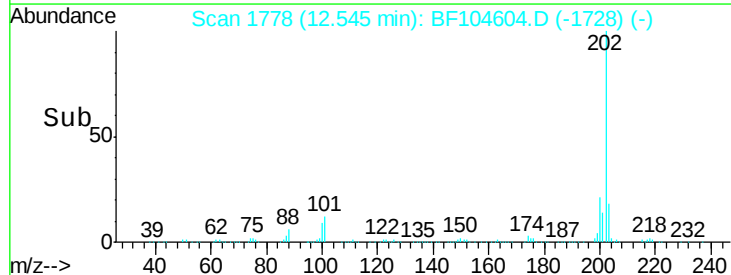
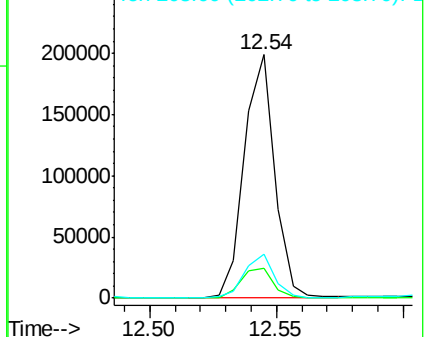
203 18.0 0.0 38.1

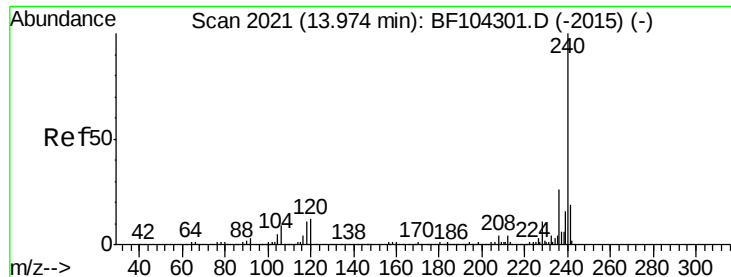


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104604.D

Acq: 18 Apr 2018 16:24

Instrument :

BNA_F

ClientSampleId :

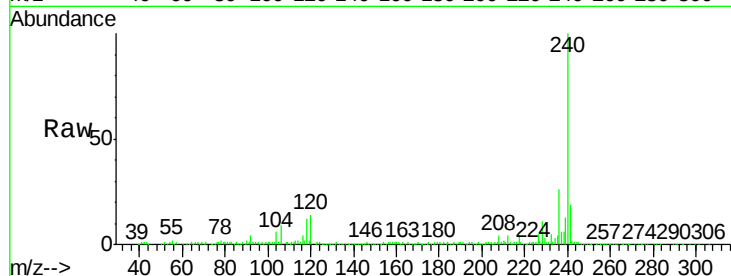
Tot Ion:240 Resp: 280852

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

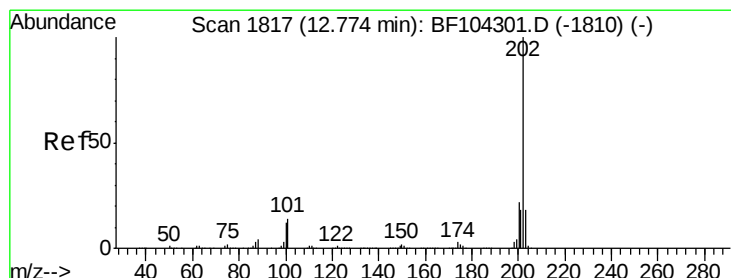
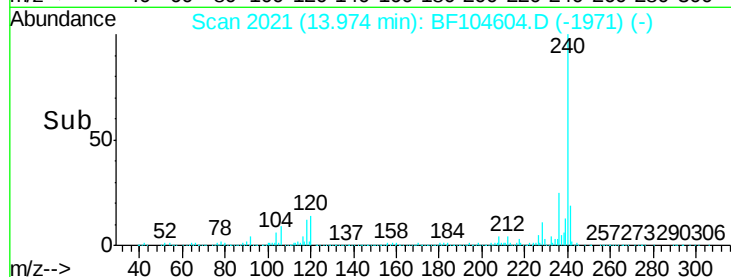
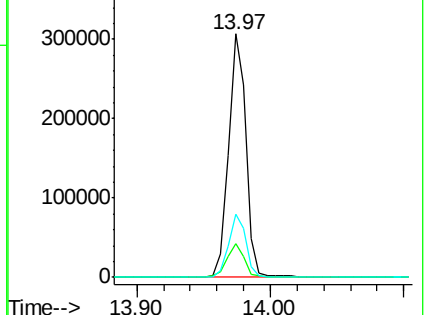
236 25.7 20.7 31.1



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



#77

Pyrene

Concen: 8.038 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104604.D

Acq: 18 Apr 2018 16:24

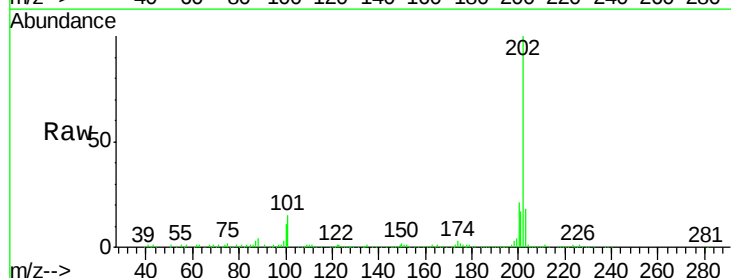
Tgt Ion:202 Resp: 167324

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

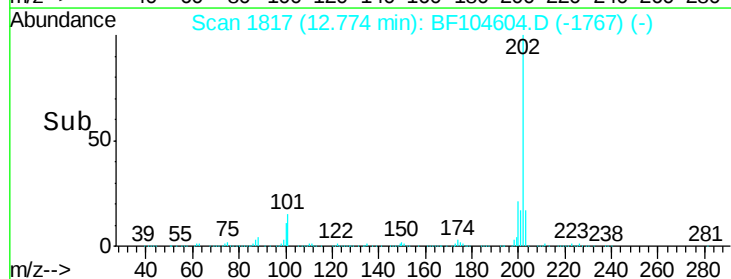
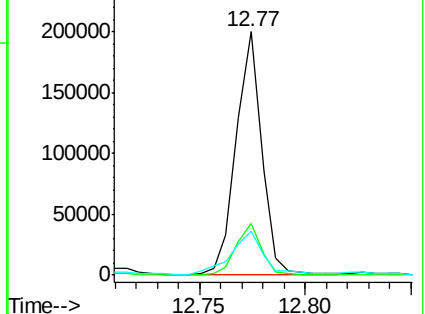
203 17.8 14.3 21.5

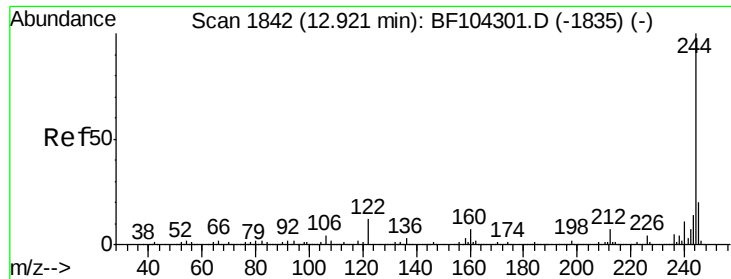


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

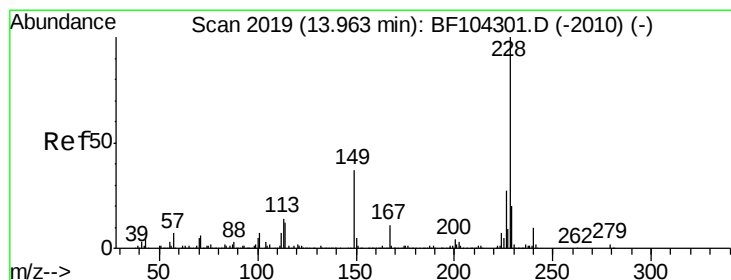
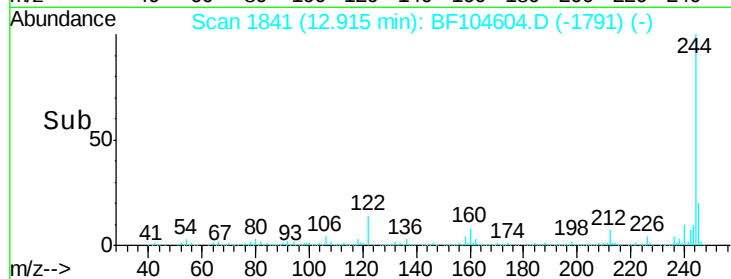
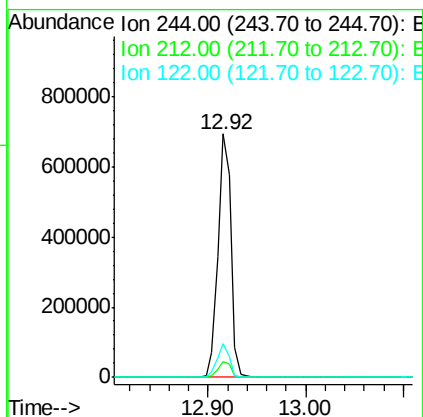
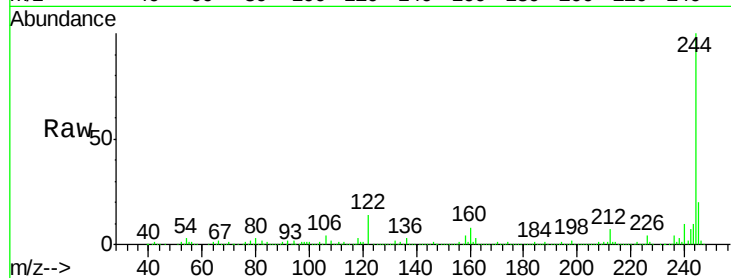




#78
 Terphenyl-d14
 Concen: 51.498 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104604.D
 Acq: 18 Apr 2018 16:24

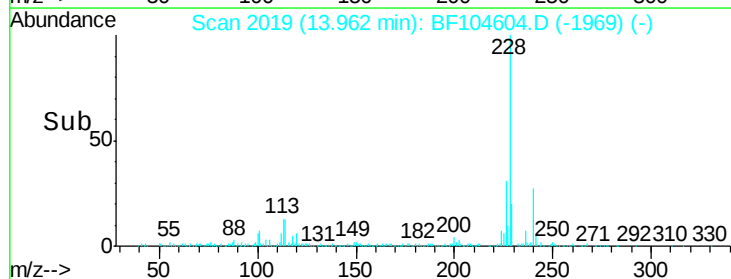
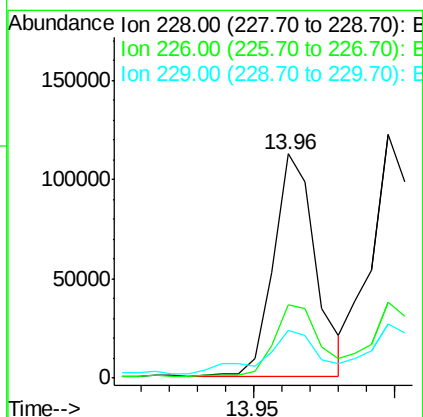
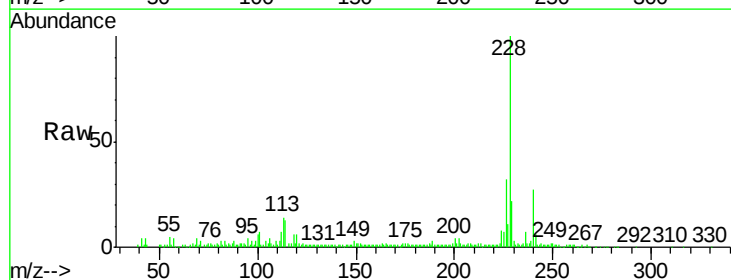
Instrument :
 BNA_F
 ClientSampleId :

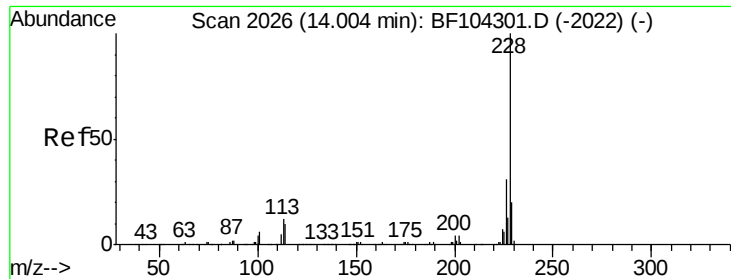
Tot Ion:244 Resp: 634398
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 13.7 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 6.885 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF104604.D
 Acq: 18 Apr 2018 16:24

Tgt Ion:228 Resp: 115522
 Ion Ratio Lower Upper
 228 100
 226 32.5 22.6 33.8
 229 21.5 15.8 23.6





#82

Chrysene

Concen: 7.106 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF104604.D

Acq: 18 Apr 2018 16:24

Instrument :

BNA_F

ClientSampleId :

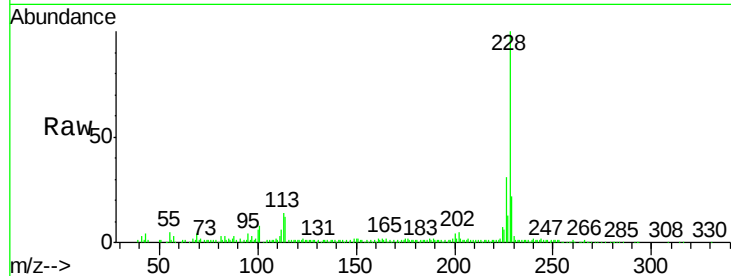
Tot Ion:228 Resp: 122459

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

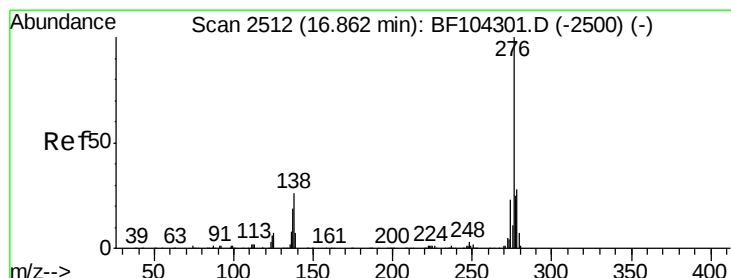
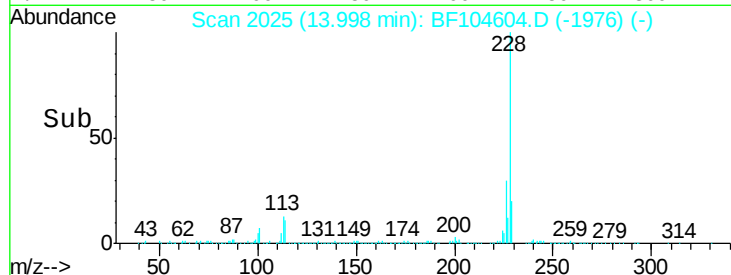
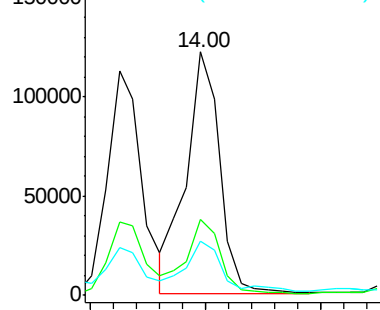
229 22.3 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.844 ng

RT: 16.89 min Scan# 2517

Delta R.T. -0.01 min

Lab File: BF104604.D

Acq: 18 Apr 2018 16:24

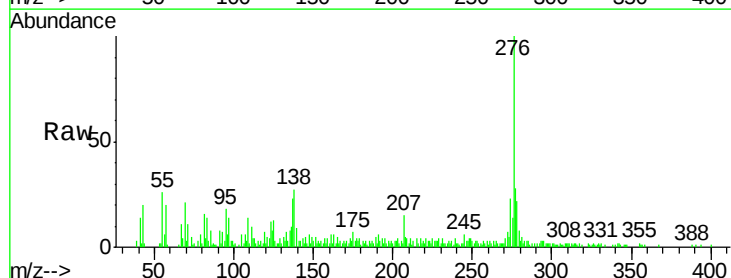
Tgt Ion:276 Resp: 56282

Ion Ratio Lower Upper

276 100

138 25.4 25.0 37.6

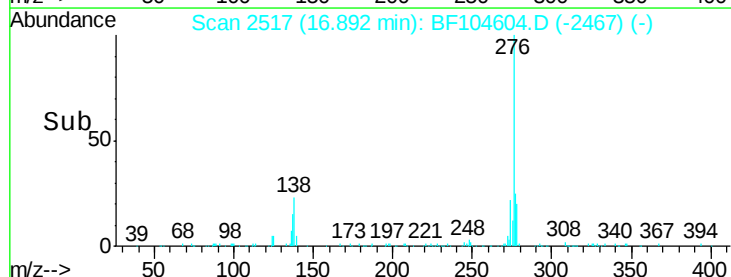
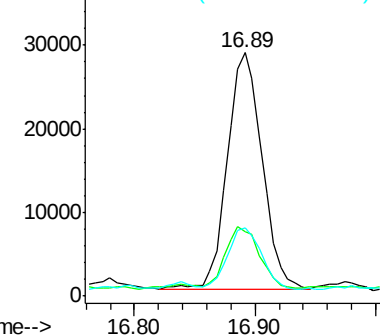
277 25.6 20.1 30.1

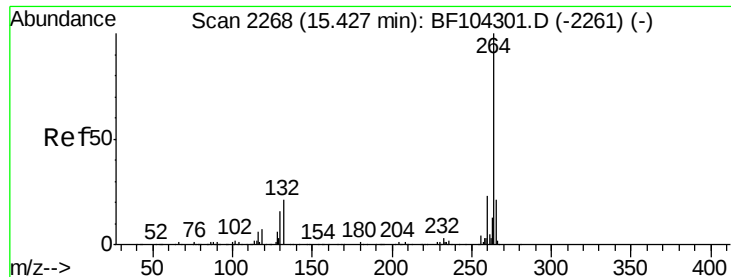


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

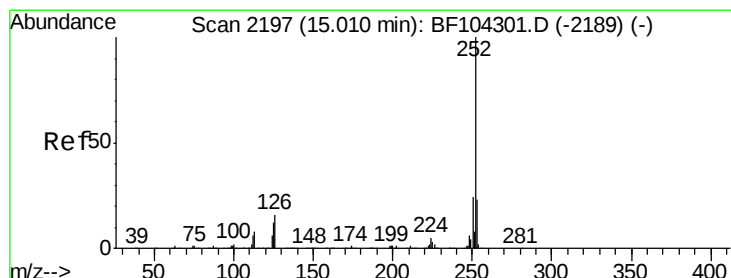
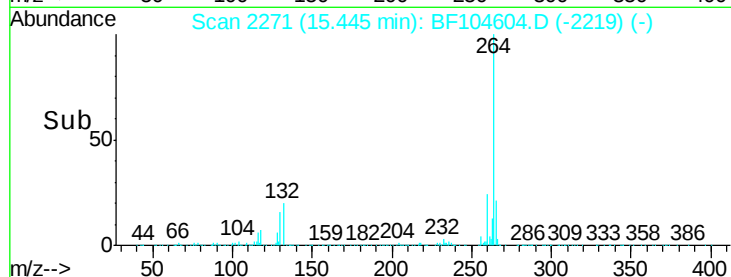
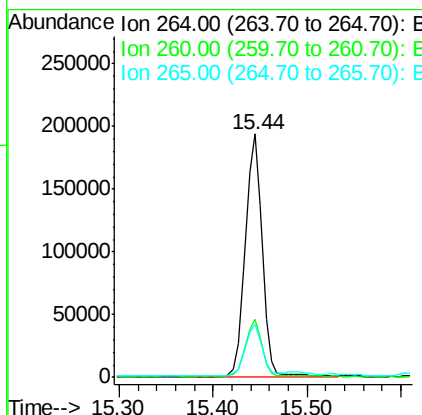
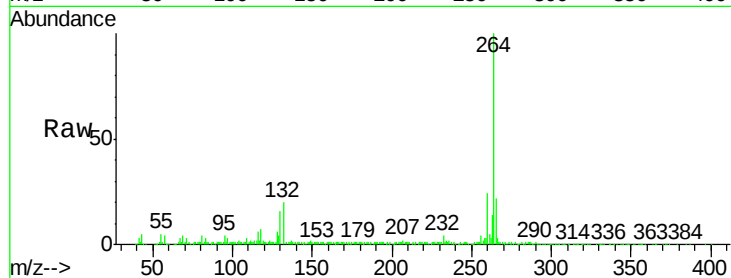




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF104604.D
Acq: 18 Apr 2018 16:24

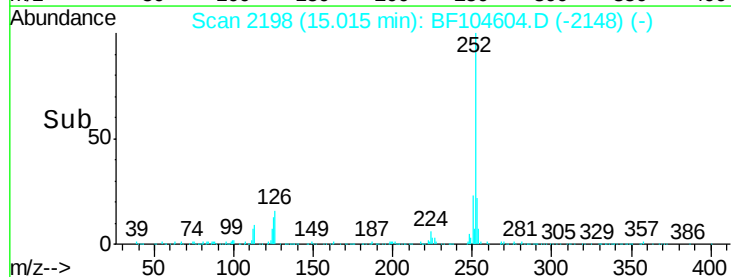
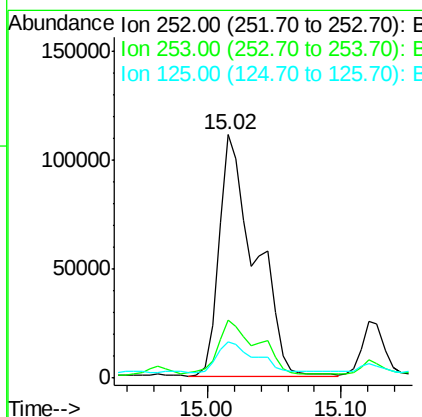
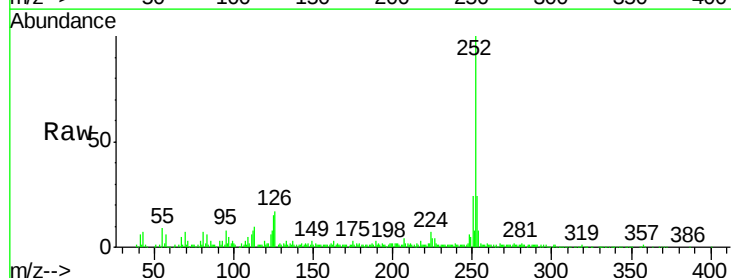
Instrument :
BNA_F
ClientSampleId :

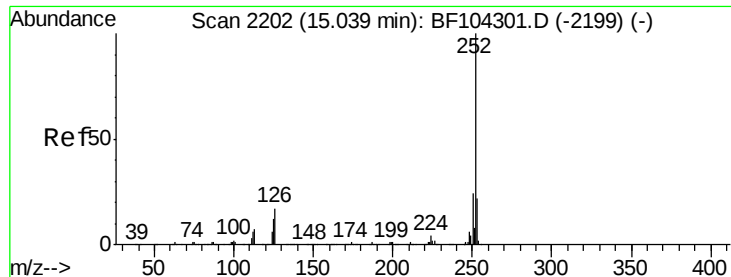
Tot Ion:264 Resp: 241250
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 21.5 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 13.680 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF104604.D
Acq: 18 Apr 2018 16:24

Tgt Ion:252 Resp: 208434
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.6
125 14.9 9.0 13.6#

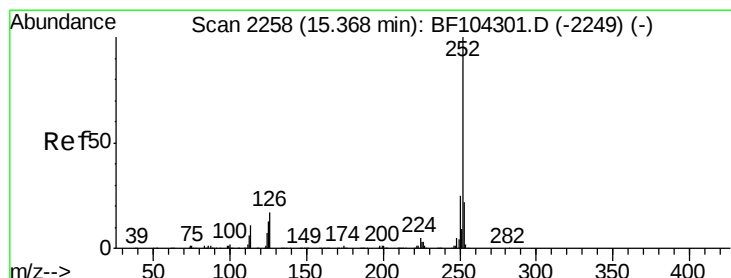
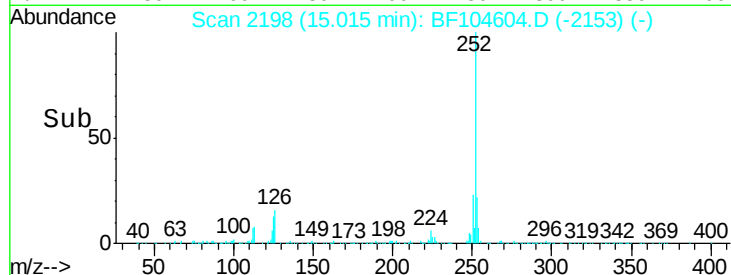
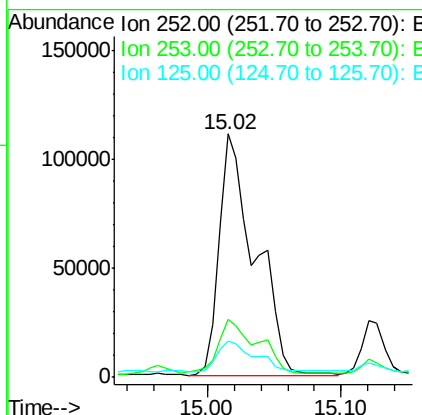
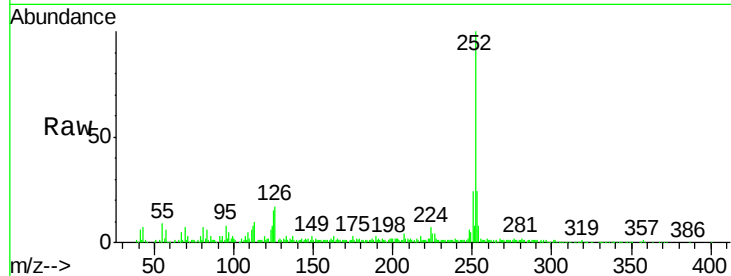




#88
Benzo(k)fluoranthene
Concen: 14.490 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF104604.D
Acq: 18 Apr 2018 16:24

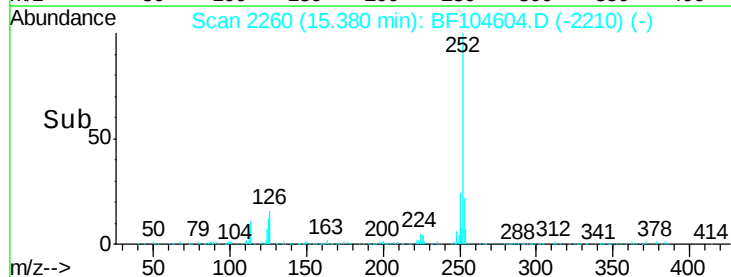
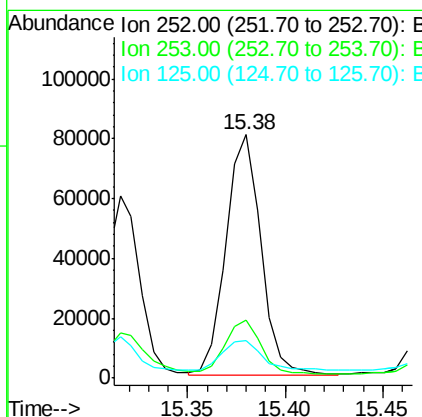
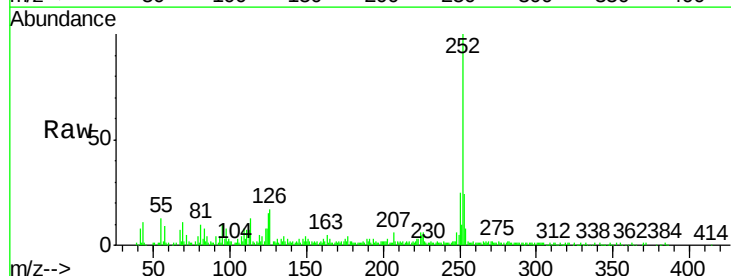
Instrument :
BNA_F
ClientSampled :

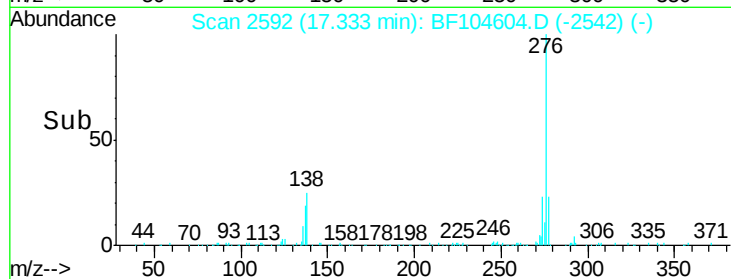
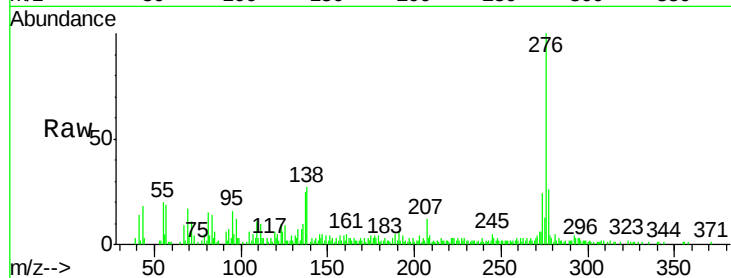
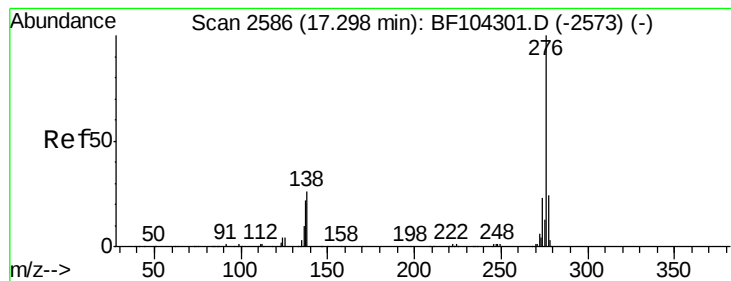
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	14.9	10.2	15.2



#89
Benzo(a)pyrene
Concen: 7.364 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF104604.D
Acq: 18 Apr 2018 16:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	15.4	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 5.583 ng

RT: 17.33 min Scan# 2592

Delta R.T. -0.01 min

Lab File: BF104604.D

Acq: 18 Apr 2018 16:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 60568

Ion Ratio Lower Upper

276 100

277 25.9 17.9 26.9

138 27.4 21.8 32.8

