

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
 Data File : BF104763.D
 Acq On : 24 Apr 2018 18:20
 Operator : JU/SJ
 Sample : J2151-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 21:57:42 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	100818	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	408711	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	167285	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	262810	20.00	ng	0.00
75) Chrysene-d12	13.99	240	217154	20.00	ng	0.00
86) Perylene-d12	15.46	264	142026	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	605498	91.83	ng	0.02
7) Phenol-d6	6.46	99	724735	89.46	ng	0.01
23) Nitrobenzene-d5	7.37	82	432616	69.12	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	156013	89.91	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	757290	71.51	ng	0.00
78) Terphenyl-d14	12.93	244	638270	67.01	ng	0.00

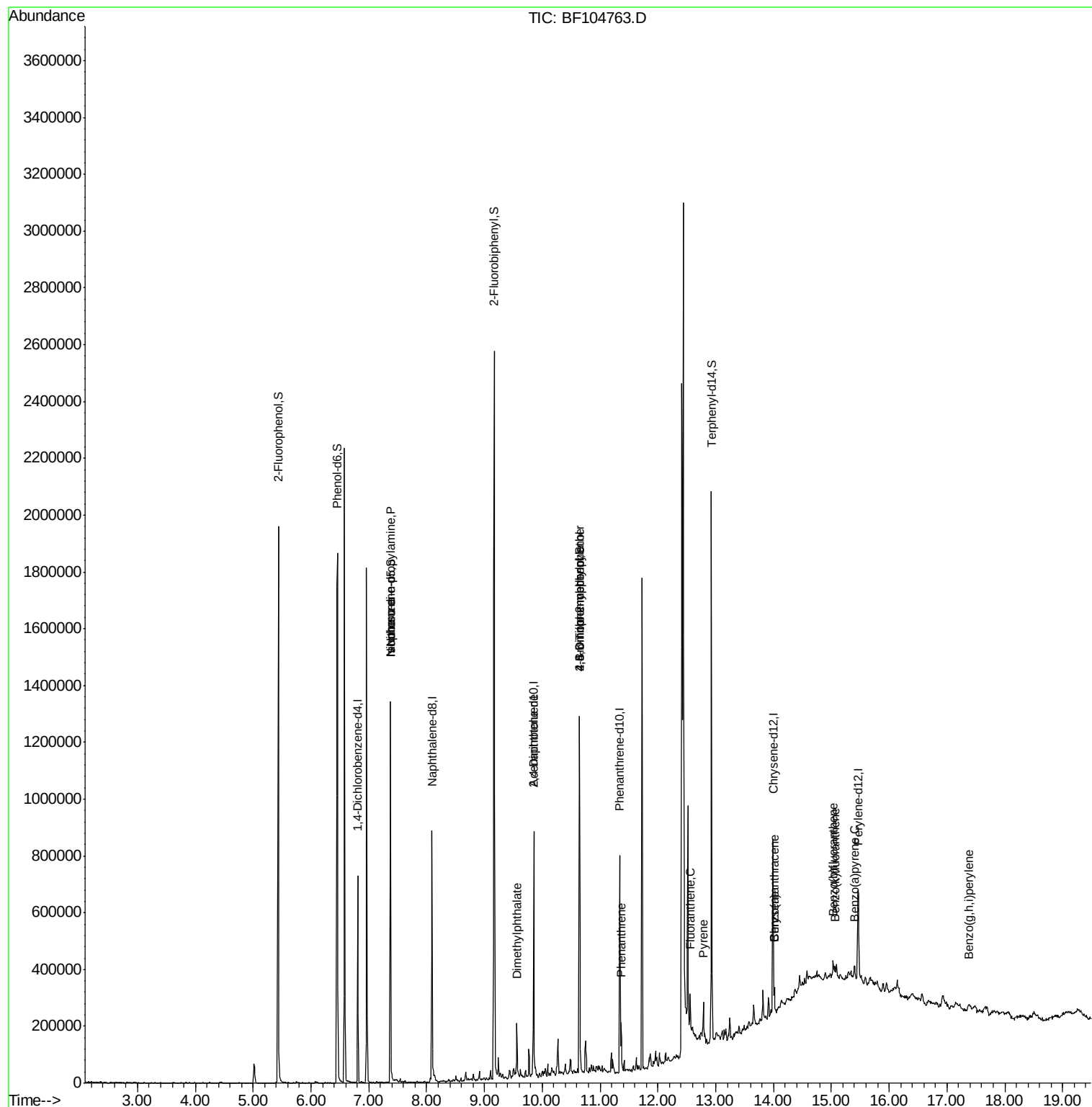
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	57228	10.810	ng	# 71
25) Isophorone	7.37	82	432609	32.685	ng	# 64
49) Dimethylphthalate	9.56	163	62056	4.704	ng	100
56) 2,4-Dinitrotoluene	9.85	165	22334	6.975	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	148	7.445	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	9672	3.460	ng	# 1
70) Phenanthrene	11.36	178	56121	3.835	ng	98
74) Fluoranthene	12.56	202	42674	2.791	ng	95
76) Benzydine	12.72	184	383	Below Cal		# 1
77) Pyrene	12.79	202	55058	3.421	ng	98
80) Benzo(a)anthracene	14.02	228	35942	2.771	ng	98
82) Chrysene	14.02	228	35942	2.697	ng	95
87) Benzo(b)fluoranthene	15.03	252	31590	3.522	ng	# 83
88) Benzo(k)fluoranthene	15.06	252	20982	2.478	ng	# 85
89) Benzo(a)pyrene	15.40	252	18100	2.255	ng	# 76
91) Benzo(g,h,i)perylene	17.38	276	16168	2.532	ng	# 86

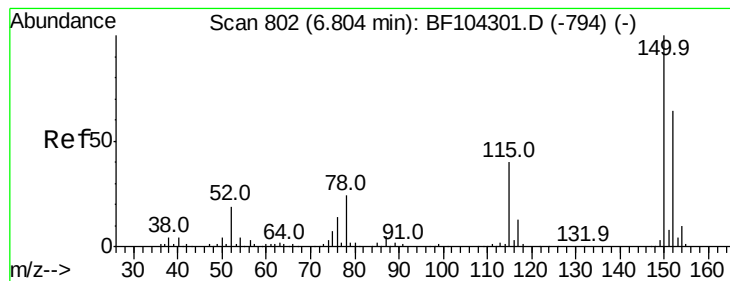
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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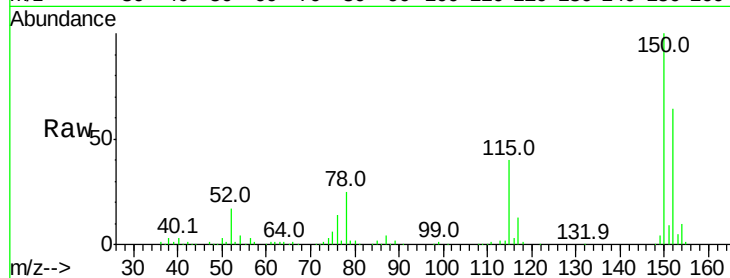


#1

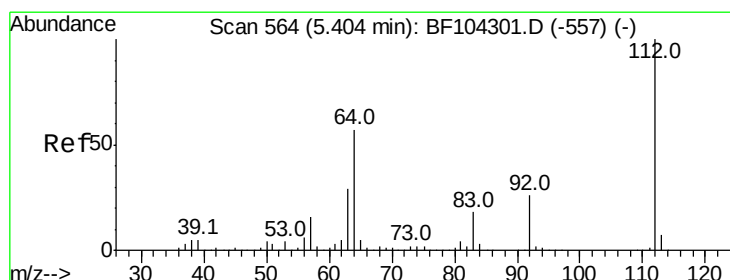
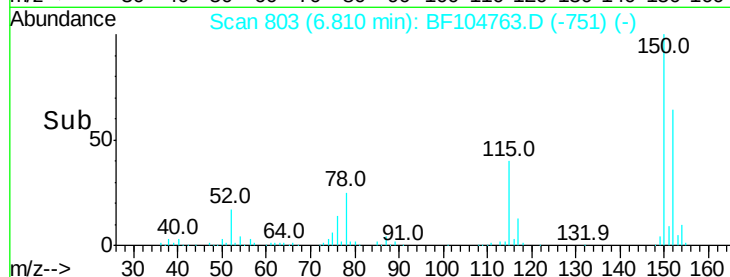
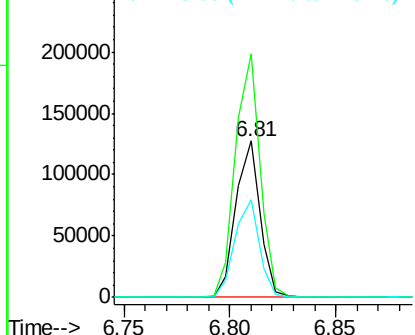
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104763.D
Acq: 24 Apr 2018 18:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 100818
Ion Ratio Lower Upper
152 100
150 155.8 124.6 186.8
115 62.7 50.1 75.1



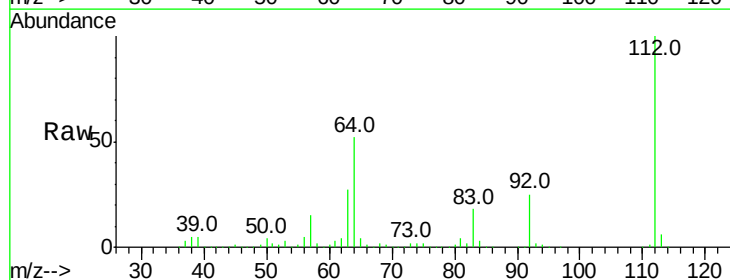
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



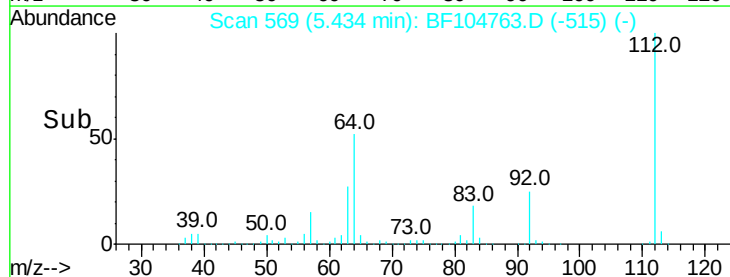
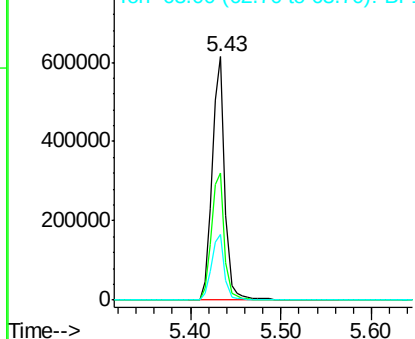
#5

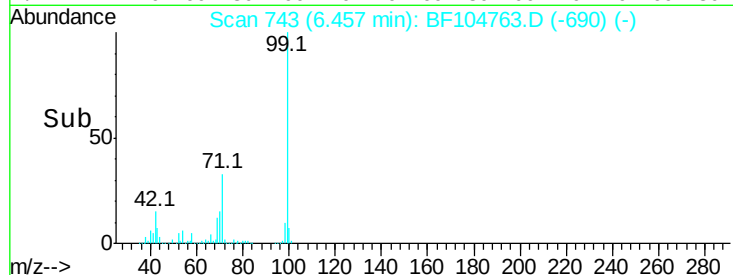
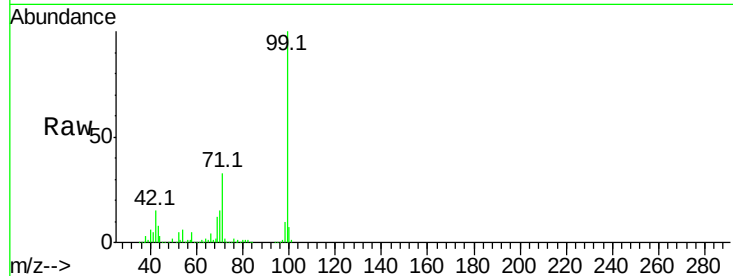
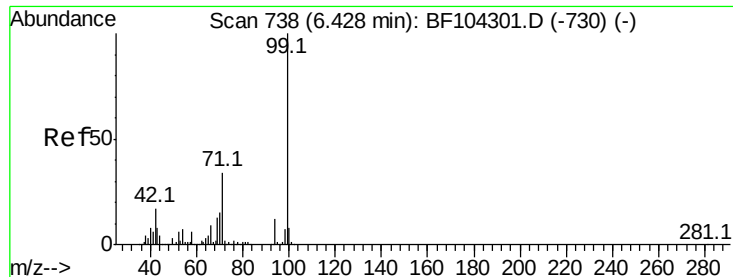
2-Fluorophenol
Concen: 91.833 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.02 min
Lab File: BF104763.D
Acq: 24 Apr 2018 18:20

Tgt Ion:112 Resp: 605498
Ion Ratio Lower Upper
112 100
64 52.2 47.9 71.9
63 27.2 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: 89.460 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104763.D

Acq: 24 Apr 2018 18:20

Instrument :

BNA_F

ClientSampleId :

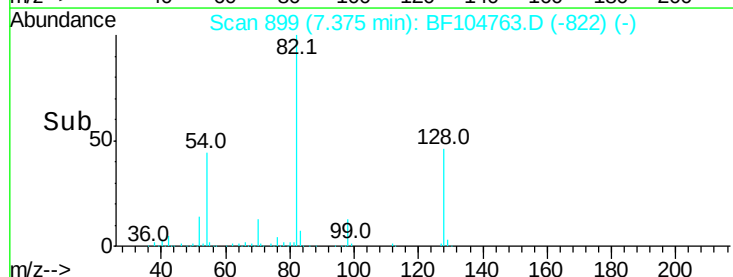
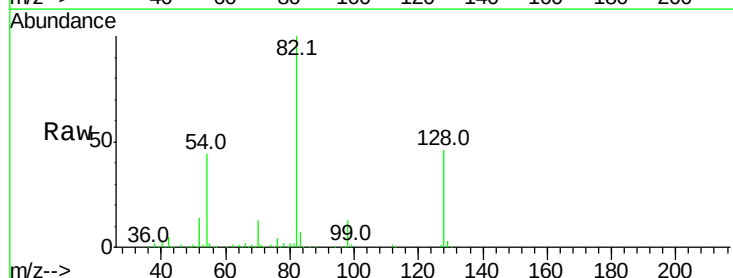
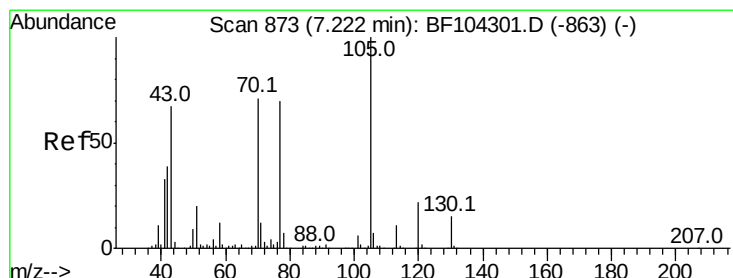
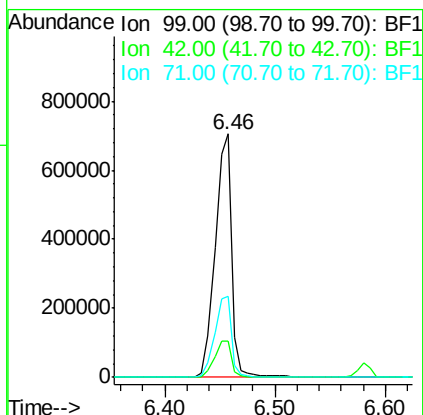
Tot Ion: 99 Resp: 724735

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

71 33.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.810 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104763.D

Acq: 24 Apr 2018 18:20

Tgt Ion: 70 Resp: 57228

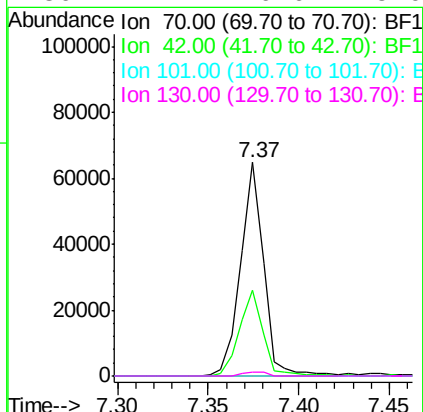
Ion Ratio Lower Upper

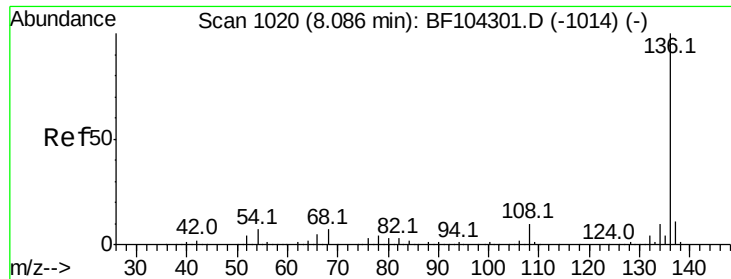
70 100

42 40.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

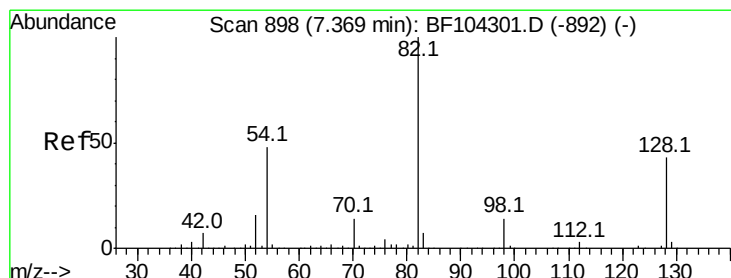
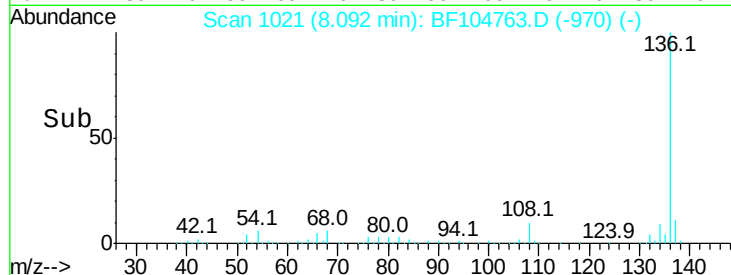
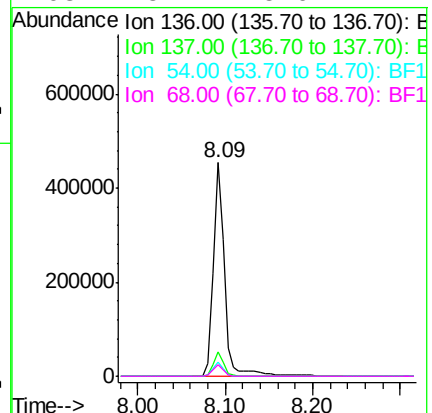
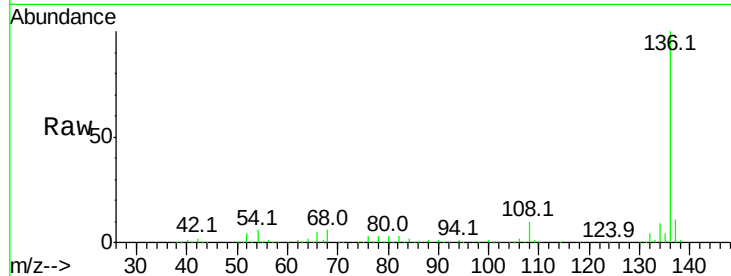




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104763.D
Acq: 24 Apr 2018 18:20

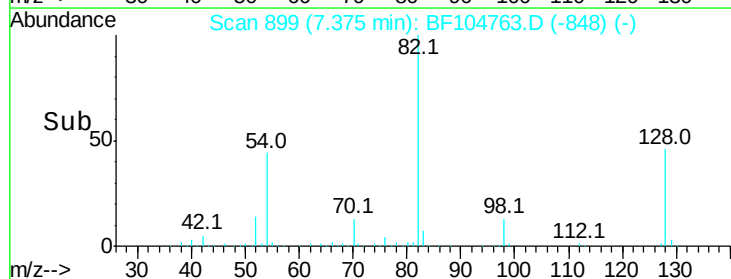
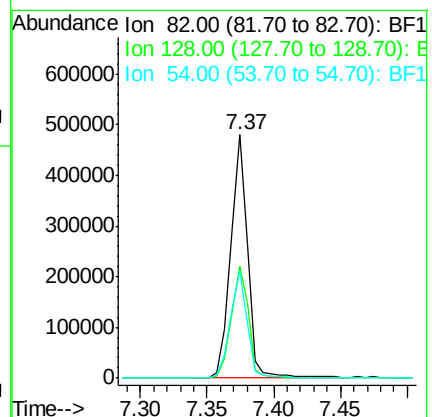
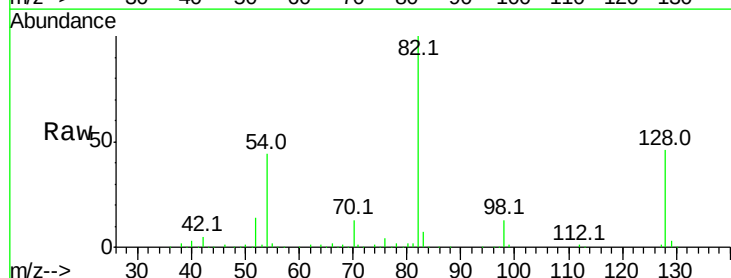
Instrument :
BNA_F
ClientSampleId :

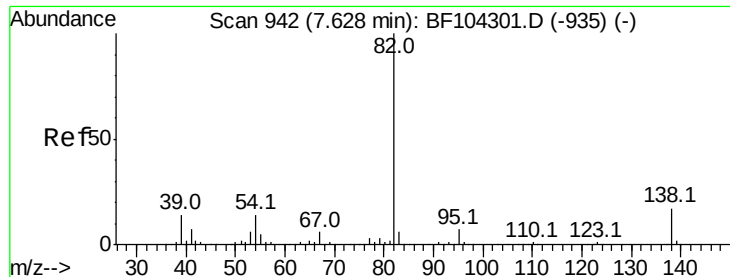
Tot Ion:	136	Resp:	408711
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	6.3	6.6	9.8#
68	5.7	5.0	7.4



#23
Nitrobenzene-d5
Concen: 69.117 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF104763.D
Acq: 24 Apr 2018 18:20

Tgt Ion:	82	Resp:	432616
Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.1	54.1
54	44.0	41.4	62.2

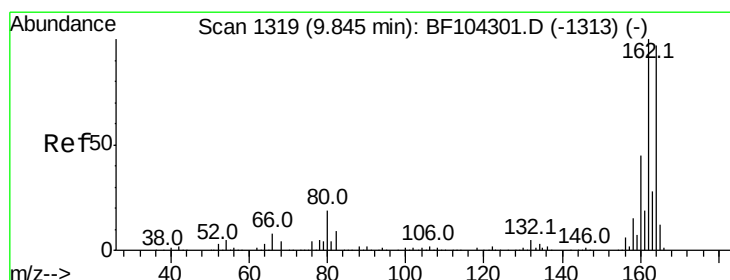
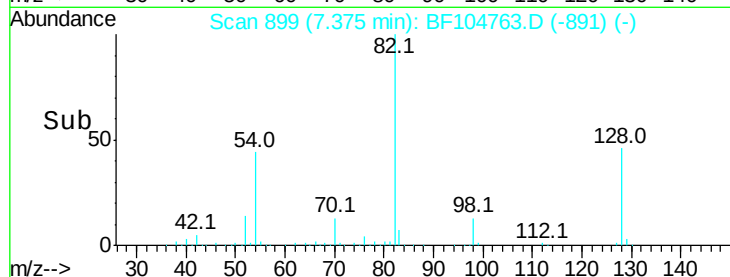
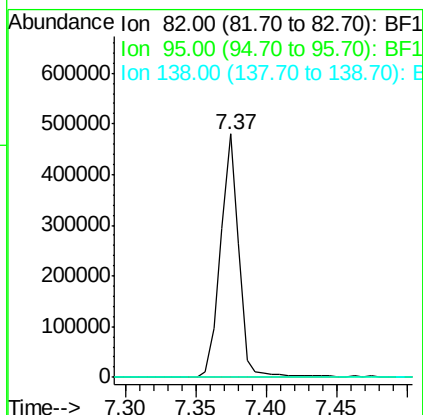
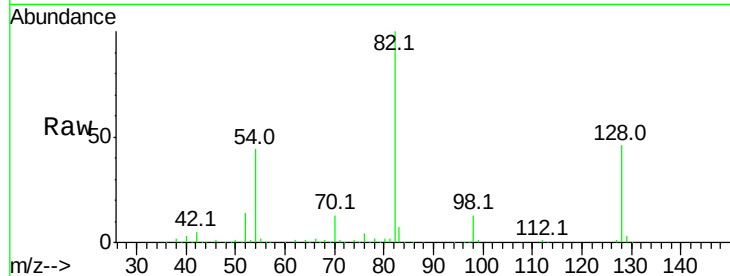




#25
Isophorone
Concen: 32.685 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.25 min
Lab File: BF104763.D
Acq: 24 Apr 2018 18:20

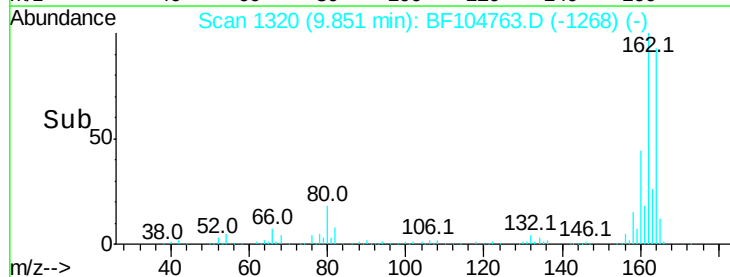
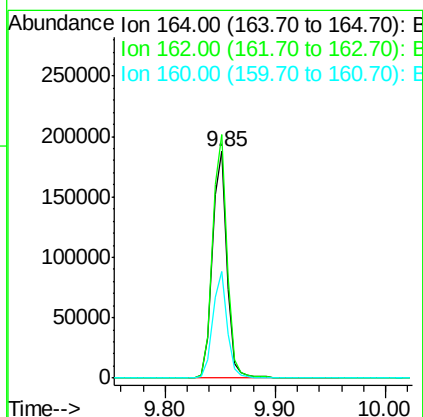
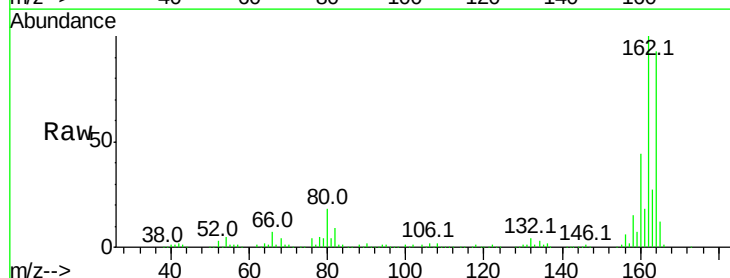
Instrument :
BNA_F
ClientSampleId :

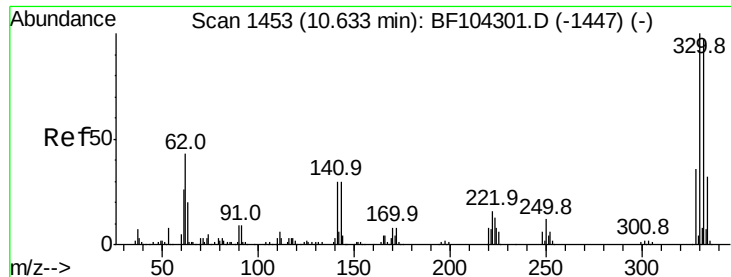
Tot Ion: 82 Resp: 432609
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.01 min
Lab File: BF104763.D
Acq: 24 Apr 2018 18:20

Tgt Ion:164 Resp: 167285
Ion Ratio Lower Upper
164 100
162 107.5 86.1 129.1
160 47.3 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 89.906 ng

RT: 10.64 min Scan# 1455

Delta R.T. 0.01 min

Lab File: BF104763.D

Acq: 24 Apr 2018 18:20

Instrument :

BNA_F

ClientSampleId :

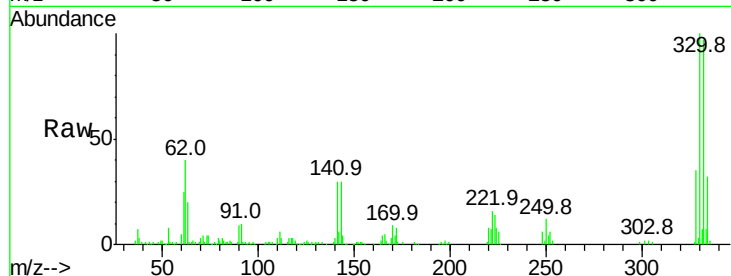
Tot Ion:330 Resp: 156013

Ion Ratio Lower Upper

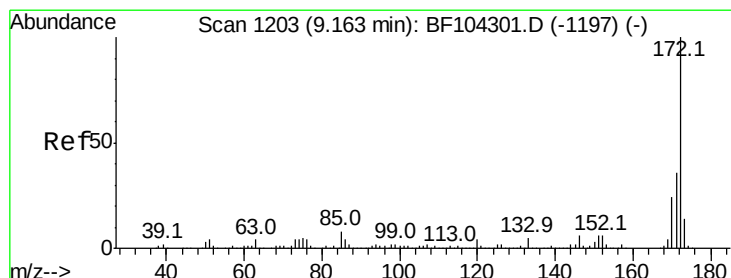
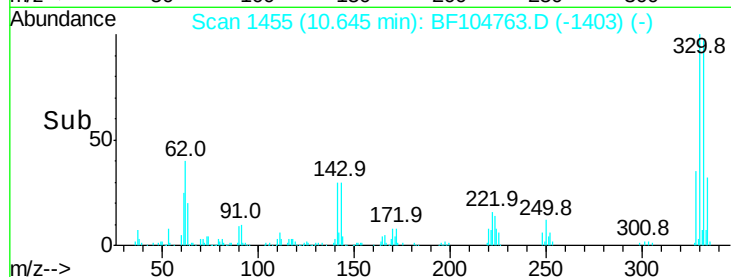
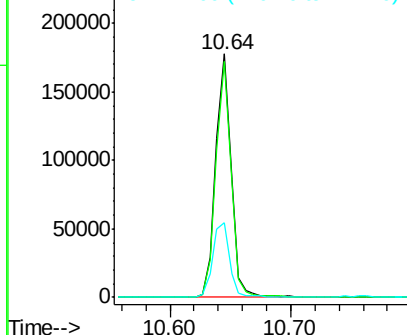
330 100

332 95.7 77.0 115.6

141 34.1 29.9 44.9



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



#44

2-Fluorobiphenyl

Concen: 71.514 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.00 min

Lab File: BF104763.D

Acq: 24 Apr 2018 18:20

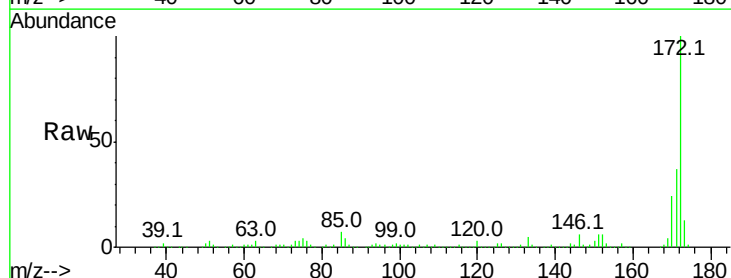
Tgt Ion:172 Resp: 757290

Ion Ratio Lower Upper

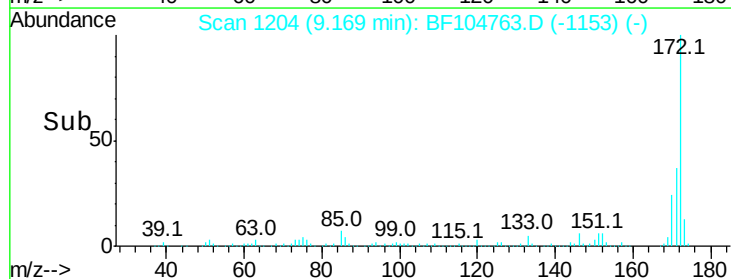
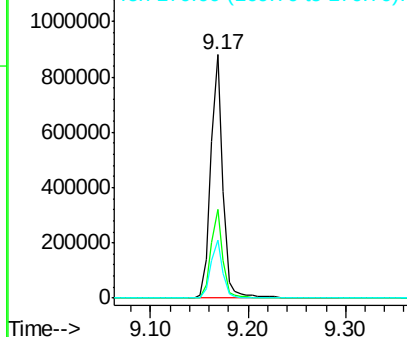
172 100

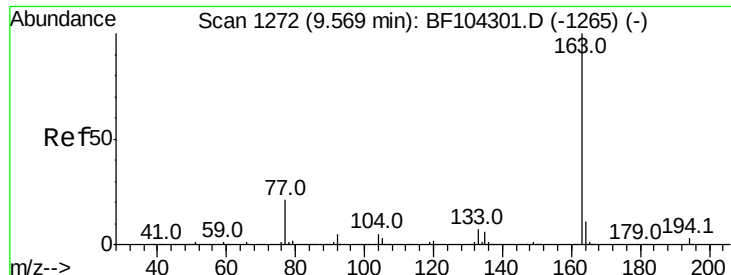
171 36.6 29.7 44.5

170 24.0 19.6 29.4



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

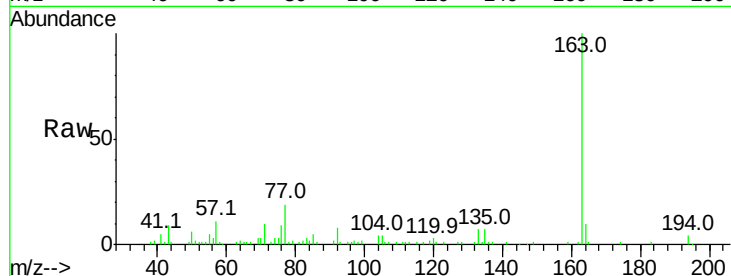




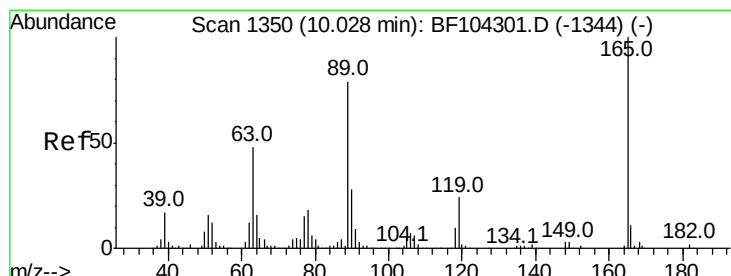
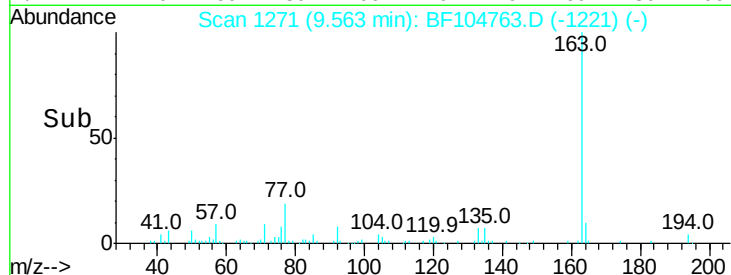
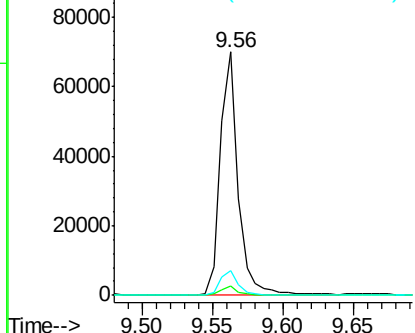
#49
 Dimethylphthalate
 Concen: 4.704 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: BF104763.D
 Acq: 24 Apr 2018 18:20

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:163 Resp: 62056
 Ion Ratio Lower Upper
 163 100
 194 3.7 2.7 4.1
 164 10.1 8.2 12.2

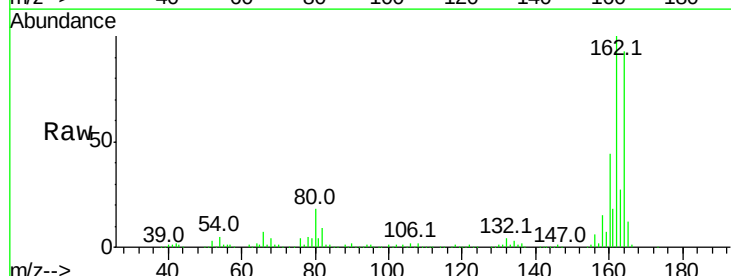


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

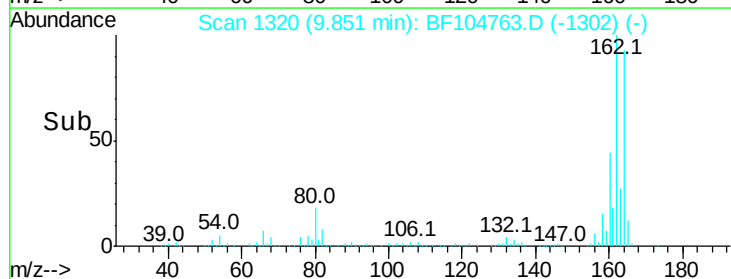
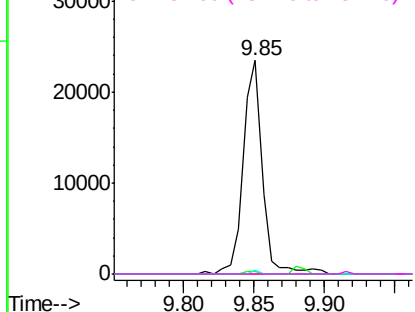


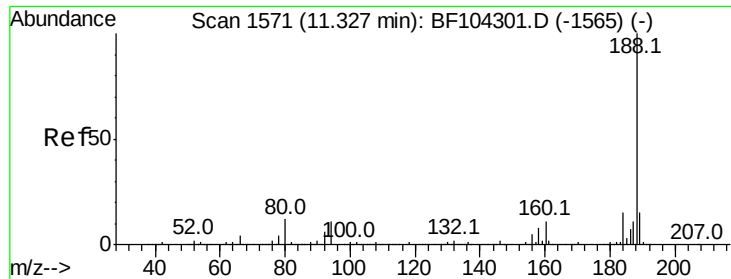
#56
 2,4-Dinitrotoluene
 Concen: 6.975 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF104763.D
 Acq: 24 Apr 2018 18:20

Tgt Ion:165 Resp: 22334
 Ion Ratio Lower Upper
 165 100
 63 1.3 36.4 54.6#
 89 1.6 57.8 86.6#
 182 0.0 1.6 2.4#



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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.01 min

Lab File: BF104763.D

Acq: 24 Apr 2018 18:20

Instrument :

BNA_F

ClientSampleId :

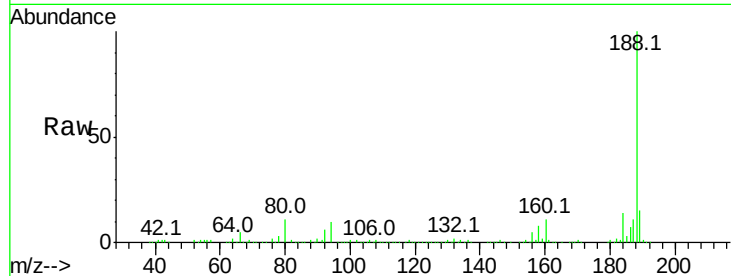
Tot Ion:188 Resp: 262810

Ion Ratio Lower Upper

188 100

94 10.1 8.5 12.7

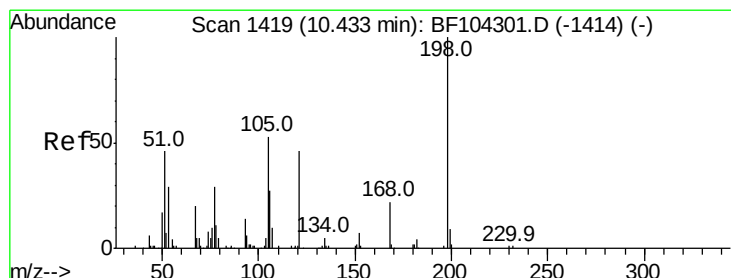
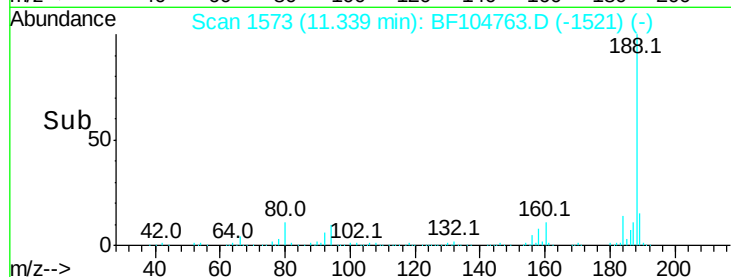
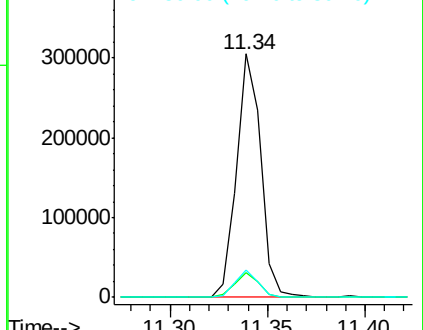
80 11.1 9.2 13.8



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: 7.445 ng

RT: 10.64 min Scan# 1455

Delta R.T. 0.19 min

Lab File: BF104763.D

Acq: 24 Apr 2018 18:20

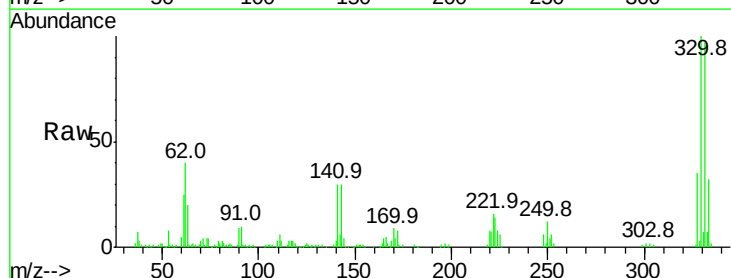
Tgt Ion:198 Resp: 148

Ion Ratio Lower Upper

198 100

51 121.5 37.7 77.7#

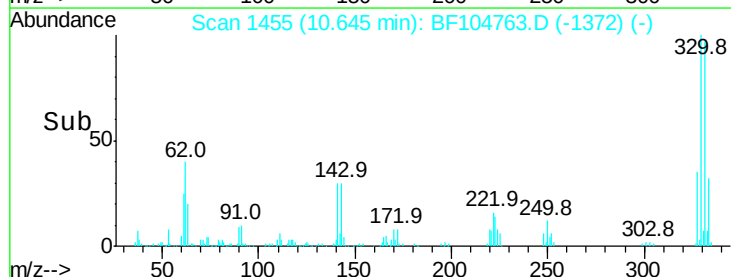
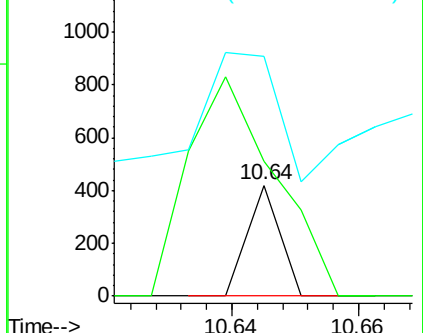
105 216.7 36.3 76.3#

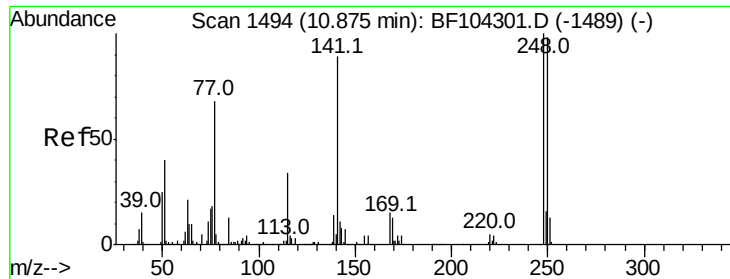


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

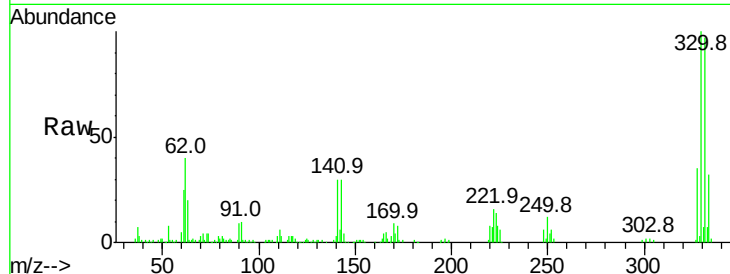




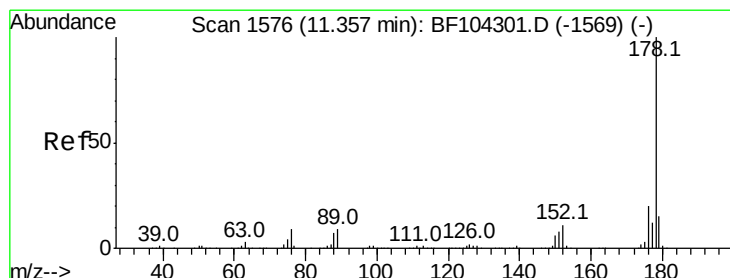
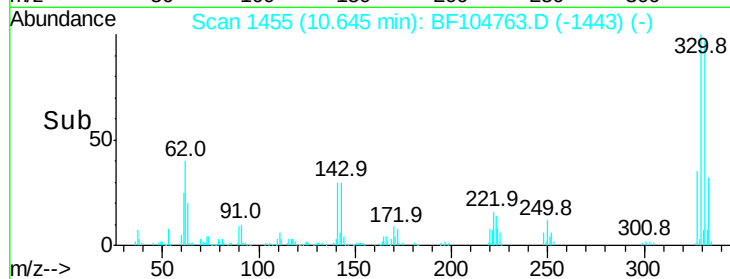
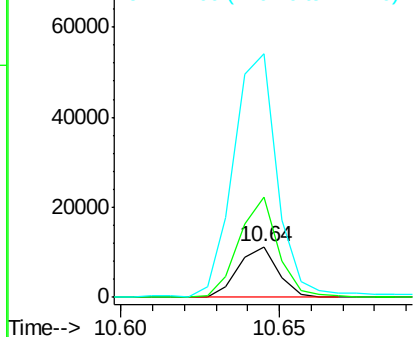
#66
 4-Bromophenyl-phenylether
 Concen: 3.460 ng
 RT: 10.64 min Scan# 1455
 Delta R.T. -0.23 min
 Lab File: BF104763.D
 Acq: 24 Apr 2018 18:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9672
 Ion Ratio Lower Upper
 248 100
 250 196.2 76.9 115.3#
 141 478.0 74.4 111.6#

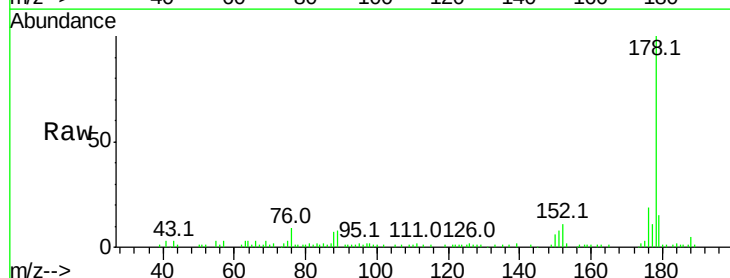


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

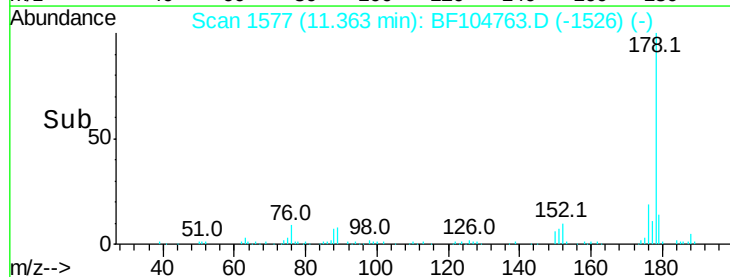
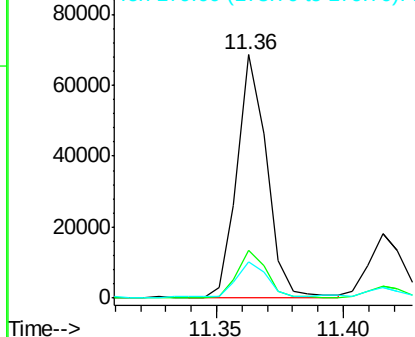


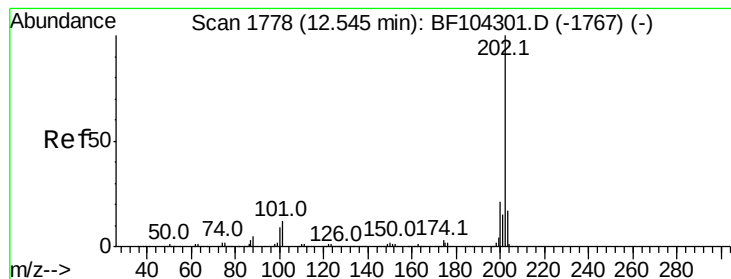
#70
 Phenanthrene
 Concen: 3.835 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: BF104763.D
 Acq: 24 Apr 2018 18:20

Tgt Ion:178 Resp: 56121
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 14.9 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: 2.791 ng

RT: 12.56 min Scan# 1781

Delta R.T. 0.01 min

Lab File: BF104763.D

Acq: 24 Apr 2018 18:20

Instrument :

BNA_F

ClientSampleId :

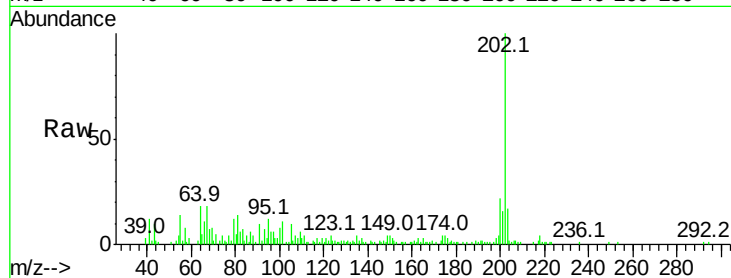
Tot Ion:202 Resp: 42674

Ion Ratio Lower Upper

202 100

101 11.1 0.0 34.1

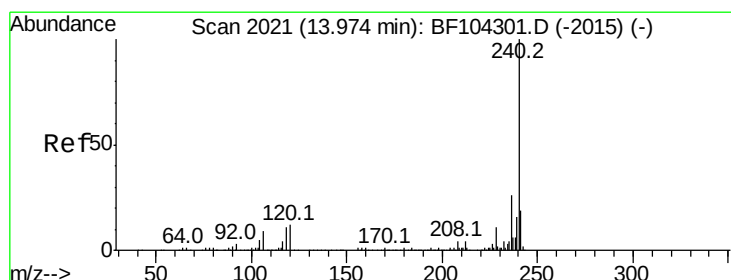
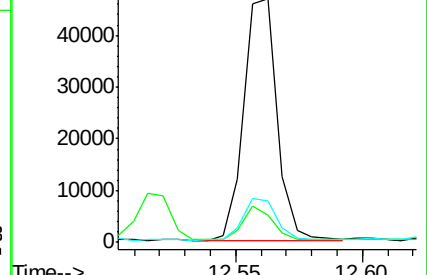
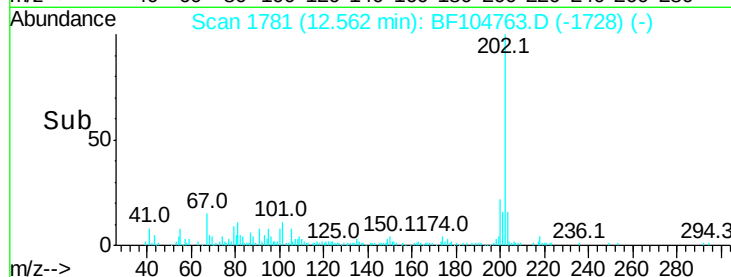
203 16.8 0.0 38.1



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: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF104763.D

Acq: 24 Apr 2018 18:20

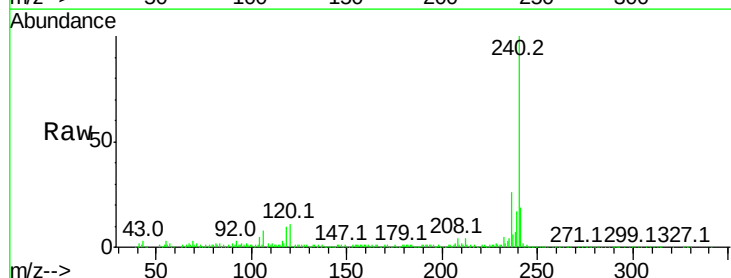
Tgt Ion:240 Resp: 217154

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

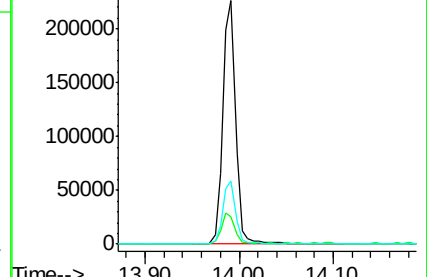
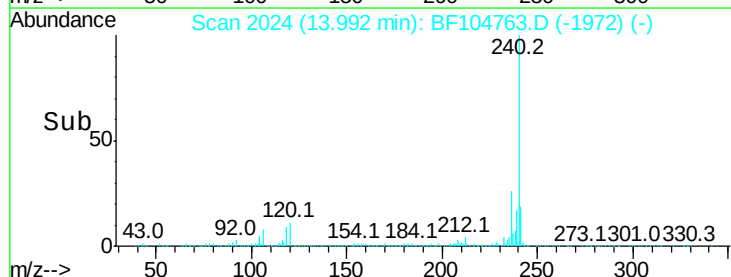
236 26.2 20.7 31.1

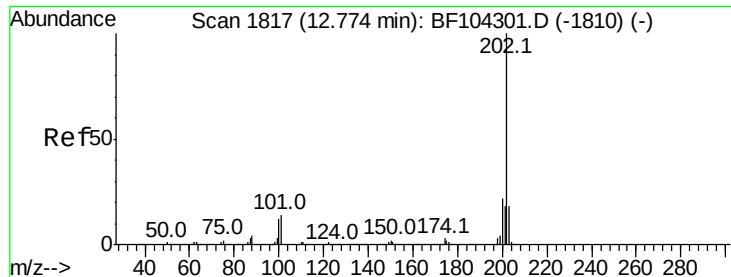


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.421 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF104763.D

Acq: 24 Apr 2018 18:20

Instrument :

BNA_F

ClientSampleId :

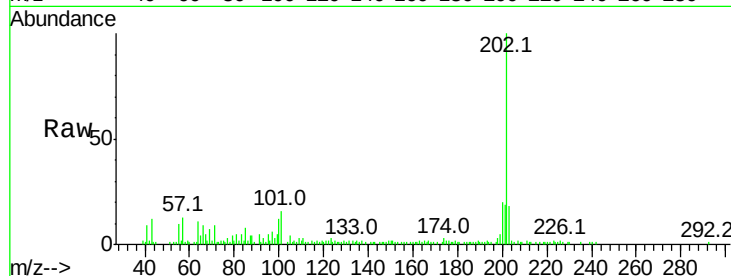
Tot Ion:202 Resp: 55058

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

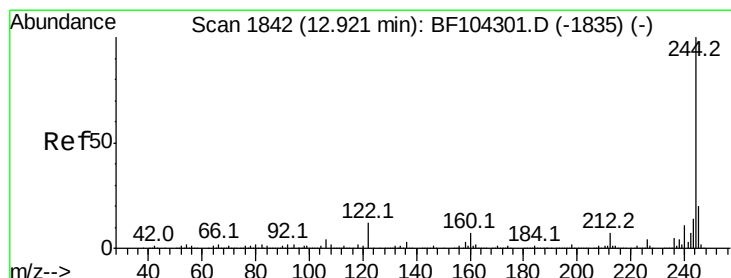
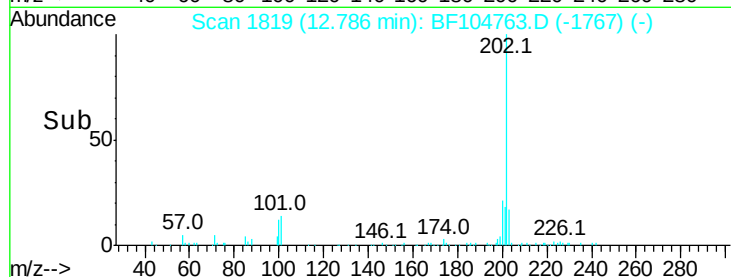
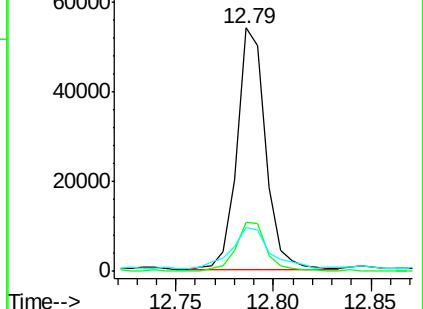
203 17.9 14.3 21.5



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: 67.010 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104763.D

Acq: 24 Apr 2018 18:20

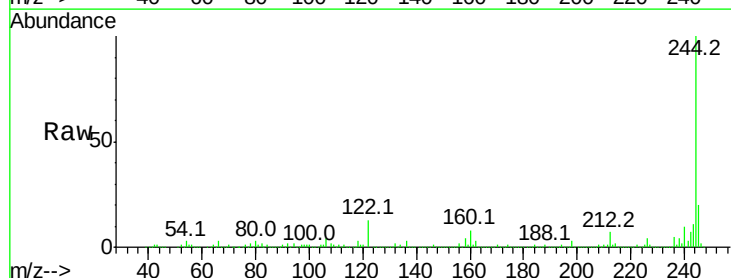
Tgt Ion:244 Resp: 638270

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

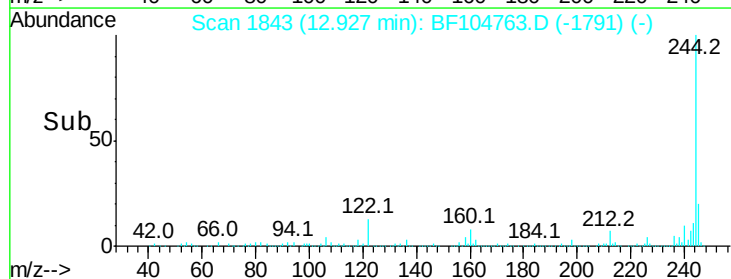
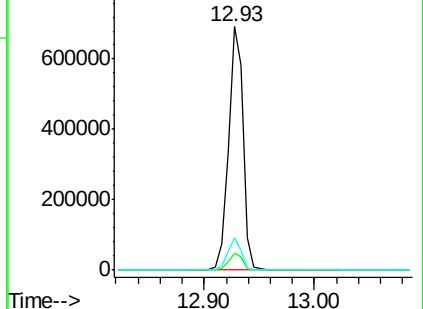
122 13.1 11.0 16.4

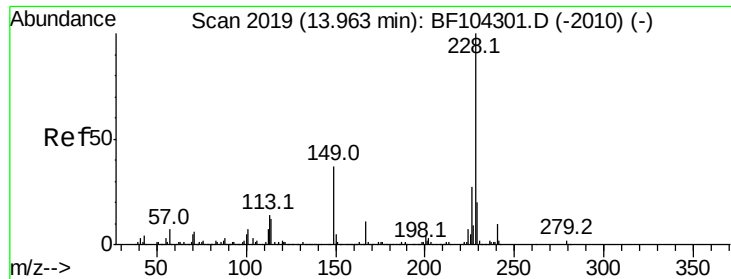


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

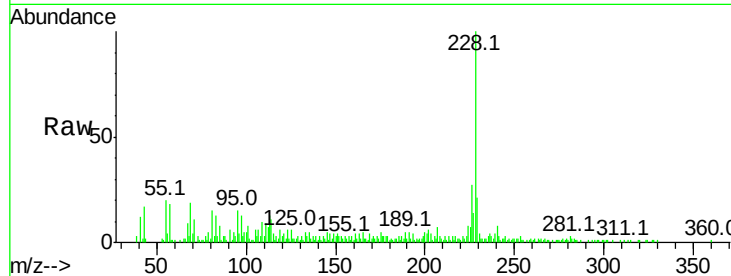




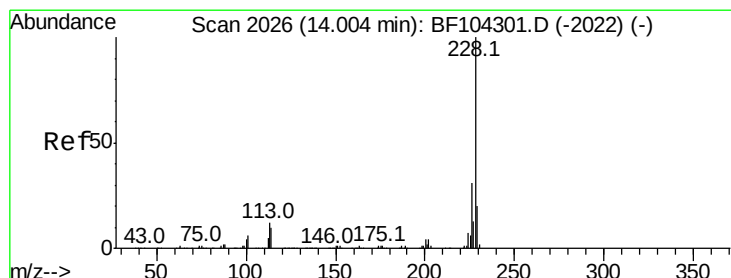
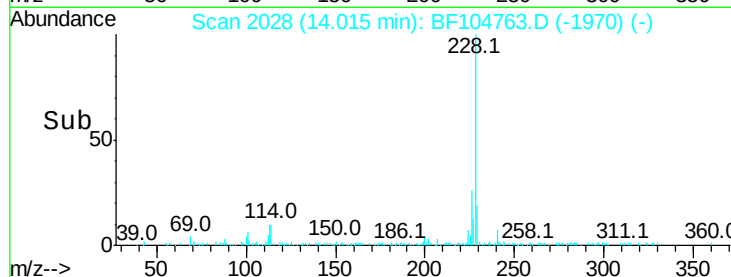
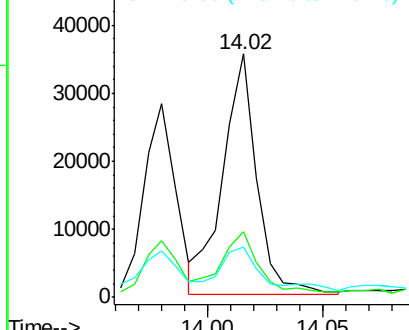
#80
Benzo(a)anthracene
Concen: 2.771 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.04 min
Lab File: BF104763.D
Acq: 24 Apr 2018 18:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 35942
Ion Ratio Lower Upper
228 100
226 27.0 22.6 33.8
229 20.7 15.8 23.6

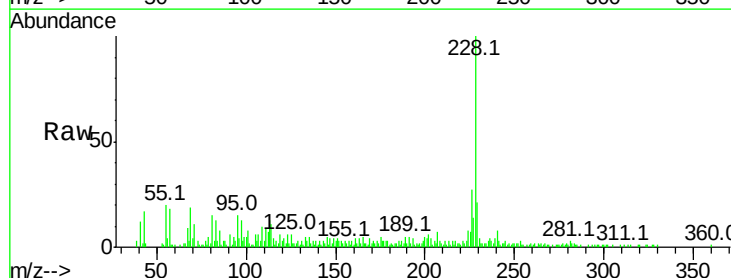


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

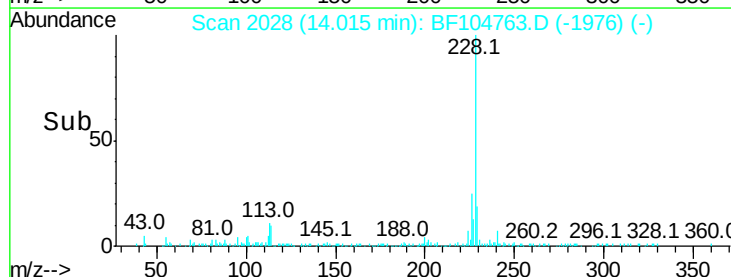
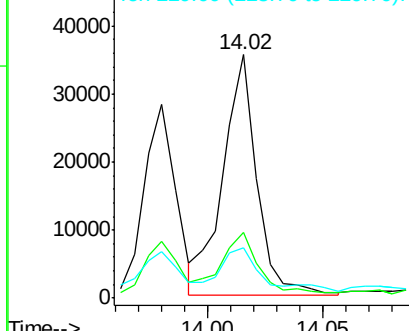


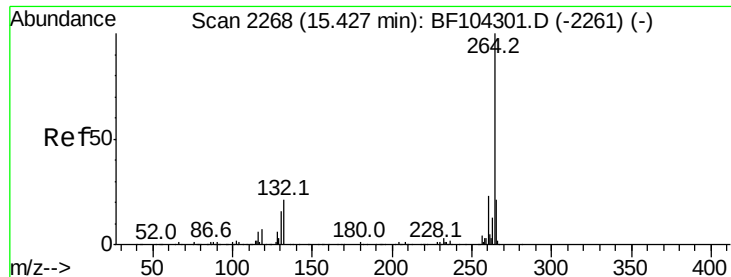
#82
Chrysene
Concen: 2.697 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF104763.D
Acq: 24 Apr 2018 18:20

Tgt Ion:228 Resp: 35942
Ion Ratio Lower Upper
228 100
226 27.0 25.0 37.6
229 20.7 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

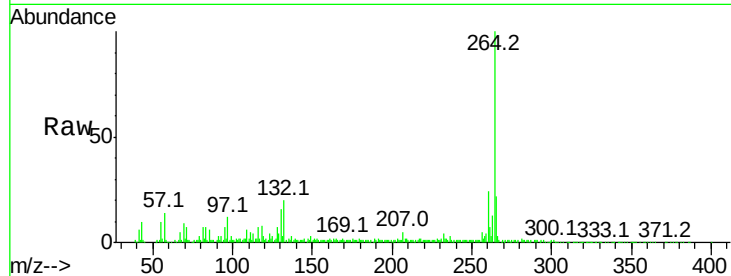




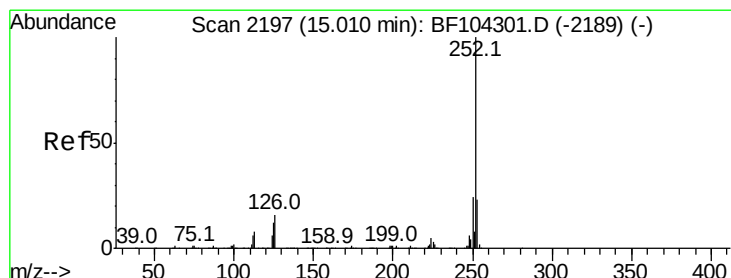
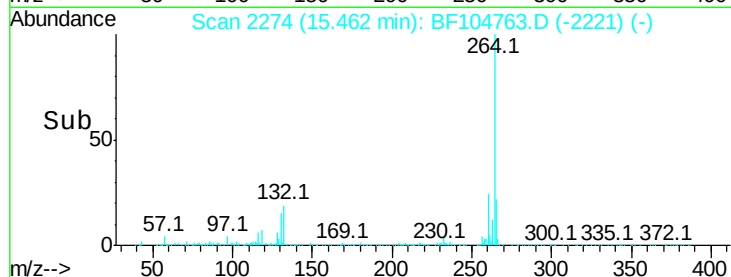
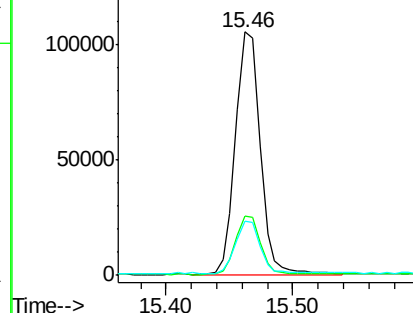
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF104763.D
Acq: 24 Apr 2018 18:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 142026
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 22.5 17.5 26.3

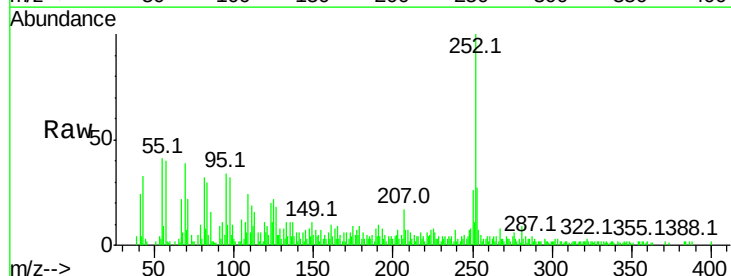


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

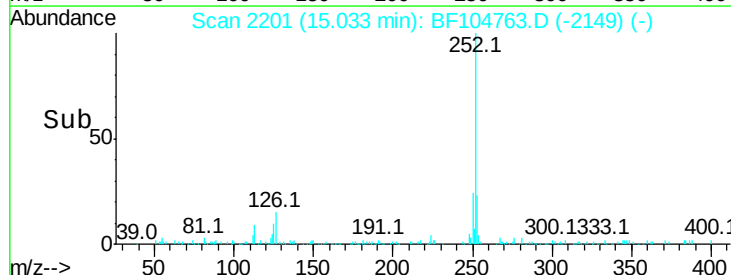
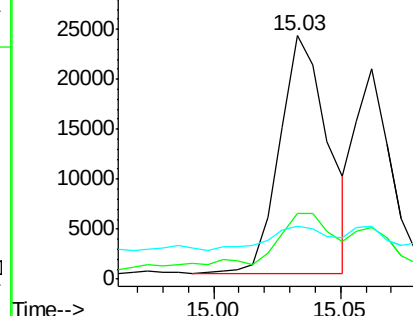


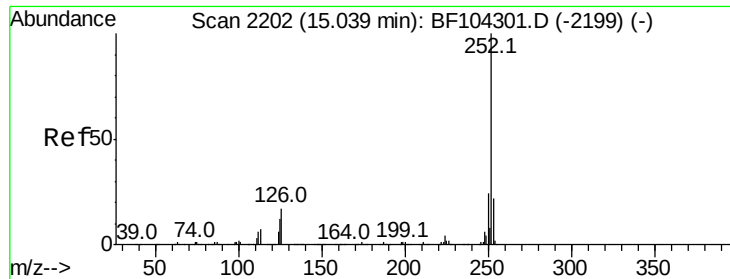
#87
Benzo(b)fluoranthene
Concen: 3.522 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF104763.D
Acq: 24 Apr 2018 18:20

Tgt Ion:252 Resp: 31590
Ion Ratio Lower Upper
252 100
253 26.9 17.0 25.6#
125 21.9 9.0 13.6#



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





#88

Benzo(k)fluoranthene

Concen: 2.478 ng

RT: 15.06 min Scan# 2206

Delta R.T. 0.01 min

Lab File: BF104763.D

Acq: 24 Apr 2018 18:20

Instrument :

BNA_F

ClientSampleId :

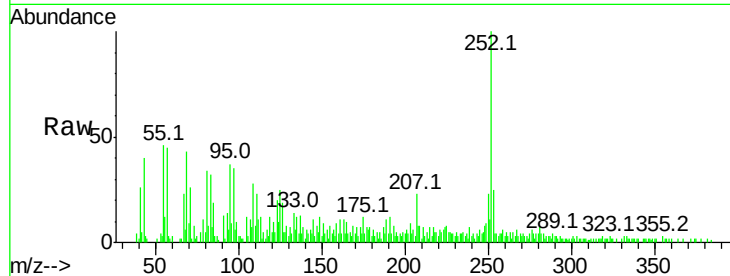
Tot Ion:252 Resp: 20982

Ion Ratio Lower Upper

252 100

253 24.8 17.9 26.9

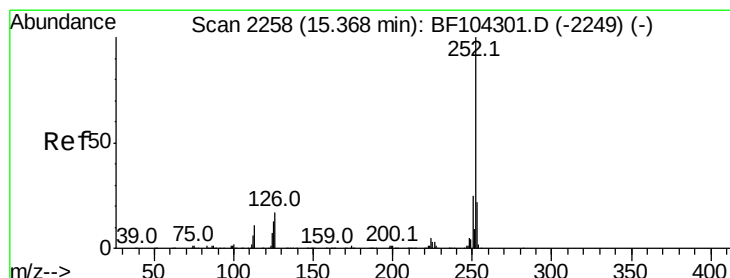
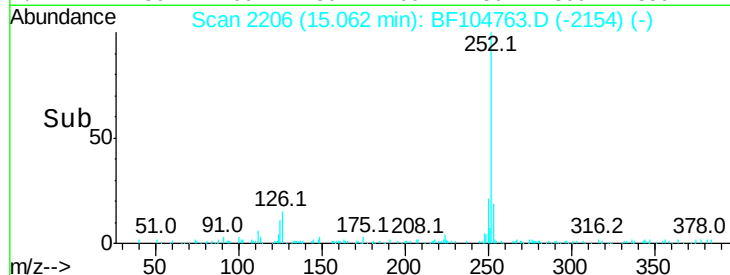
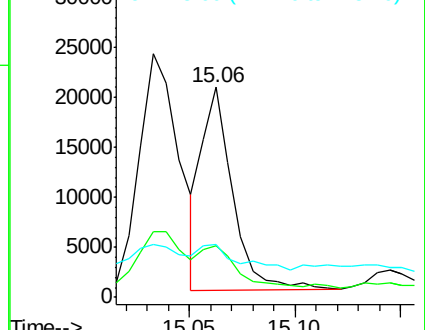
125 25.1 10.2 15.2#



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



#89

Benzo(a)pyrene

Concen: 2.255 ng

RT: 15.40 min Scan# 2264

Delta R.T. 0.01 min

Lab File: BF104763.D

Acq: 24 Apr 2018 18:20

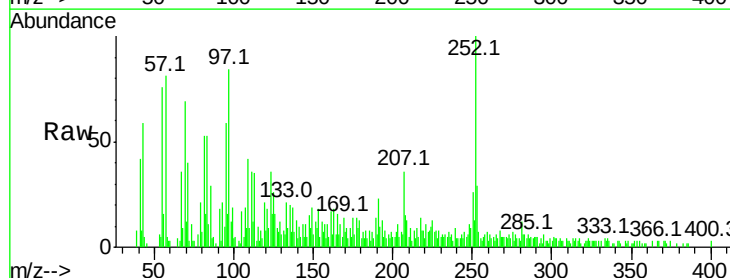
Tgt Ion:252 Resp: 18100

Ion Ratio Lower Upper

252 100

253 29.0 17.1 25.7#

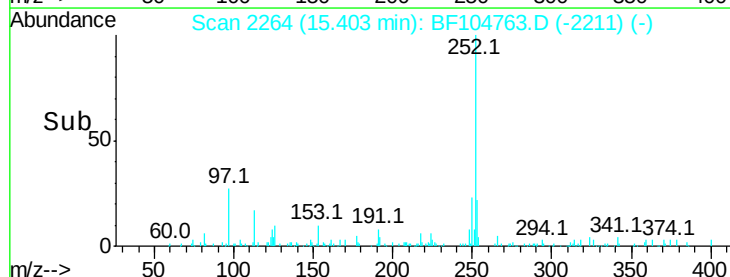
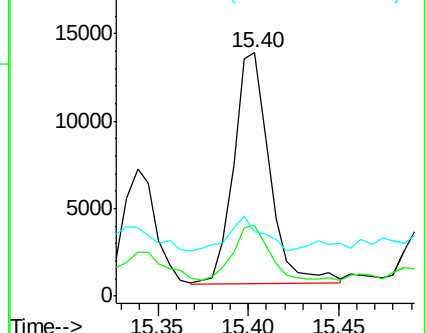
125 26.4 9.8 14.6#

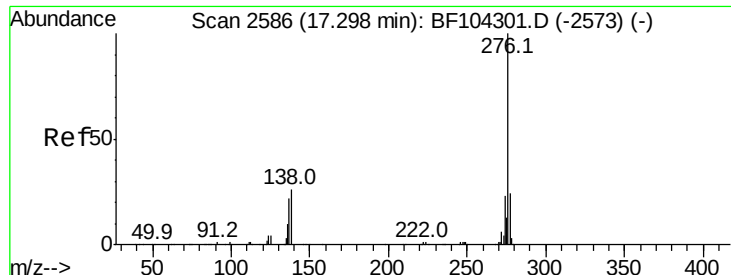


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

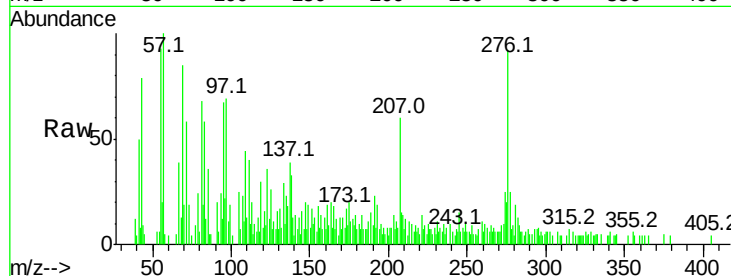




#91
 Benzo(a,h,i)perylene
 Concen: 2.532 ng
 RT: 17.38 min Scan# 2600
 Delta R.T. 0.03 min
 Lab File: BF104763.D
 Acq: 24 Apr 2018 18:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	27.7	17.9	26.9#	
138	36.2	21.8	32.8#	



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

