

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
 Data File : BF104319.D
 Acq On : 6 Apr 2018 21:30
 Operator : JU/SJ
 Sample : J2231-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 42ND-STREET

Quant Time: Apr 06 23:11:47 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	128103	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	509120	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	211919	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	276554	20.00	ng	0.00
75) Chrysene-d12	13.97	240	264206	20.00	ng	0.00
86) Perylene-d12	15.42	264	267506	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	963356	114.99	ng	0.01
7) Phenol-d6	6.43	99	1188756	115.48	ng	0.00
23) Nitrobenzene-d5	7.37	82	696920	89.38	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	218560	99.42	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1080984	80.58	ng	0.00
78) Terphenyl-d14	12.92	244	677019	58.42	ng	0.00

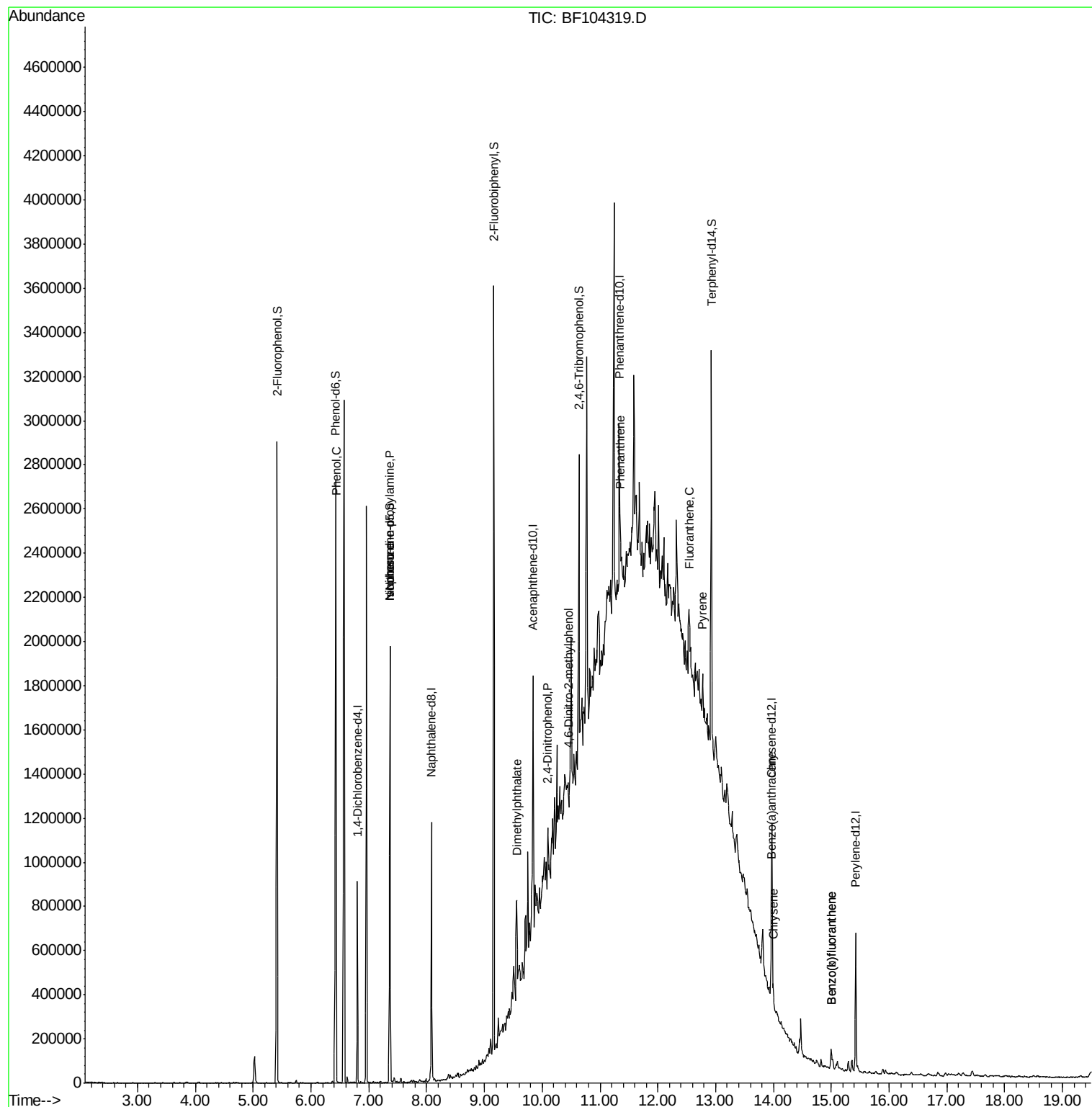
Target Compounds				Qvalue		
10) Phenol	6.44	94	23885	2.187	ng	97
19) n-Nitroso-di-n-propylamine	7.37	70	92140	13.698	ng	# 74
25) Isophorone	7.37	82	696243	42.228	ng	# 64
49) Dimethylphthalate	9.56	163	101706	6.086	ng	# 98
53) 2,4-Dinitrophenol	10.10	184	126	5.274	ng	# 43
64) 4,6-Dinitro-2-methylphenol	10.46	198	556	7.697	ng	# 1
70) Phenanthrene	11.36	178	38260	2.484	ng	# 82
74) Fluoranthene	12.55	202	81858	5.087	ng	94
76) Benzydine	12.67	184	443	Below Cal		# 1
77) Pyrene	12.77	202	87630	4.475	ng	97
80) Benzo(a)anthracene	13.96	228	41642	2.638	ng	99
82) Chrysene	14.00	228	37227	2.296	ng	99
87) Benzo(b)fluoranthene	15.00	252	58883	3.485	ng	# 92
88) Benzo(k)fluoranthene	15.00	252	58883	3.692	ng	# 95

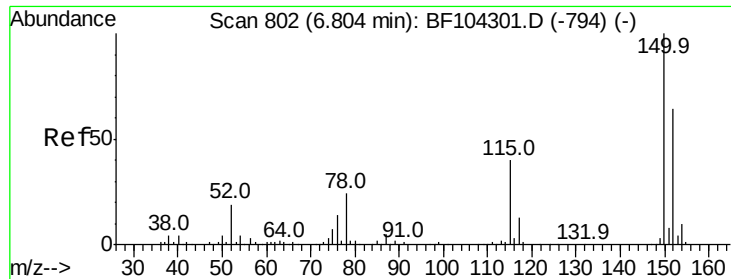
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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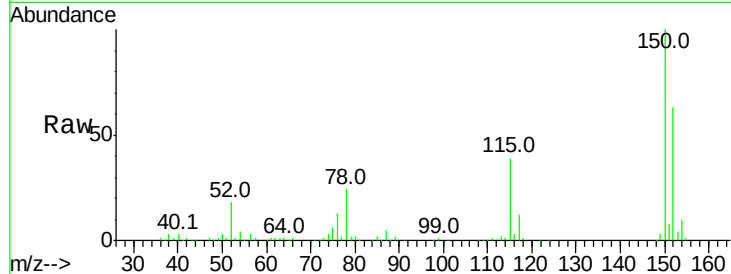


#1

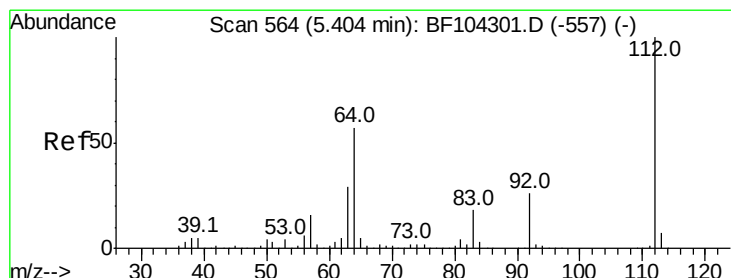
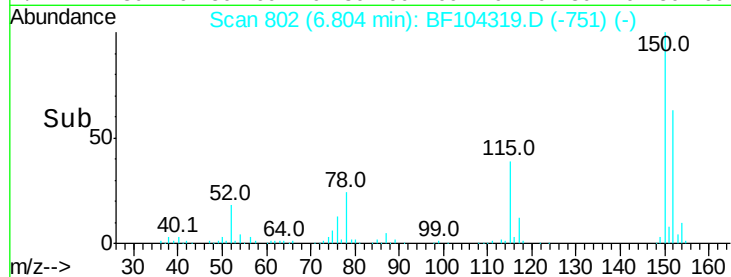
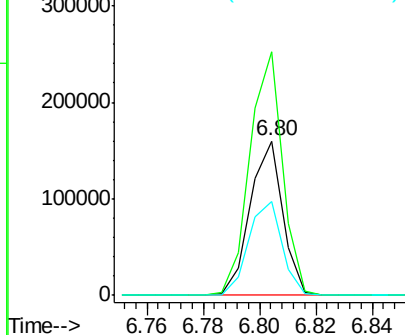
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104319.D
Acq: 6 Apr 2018 21:30

Instrument :
BNA_F
ClientSampleId :
42ND-STREET

Tot Ion:152 Resp: 128103
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 61.1 50.1 75.1



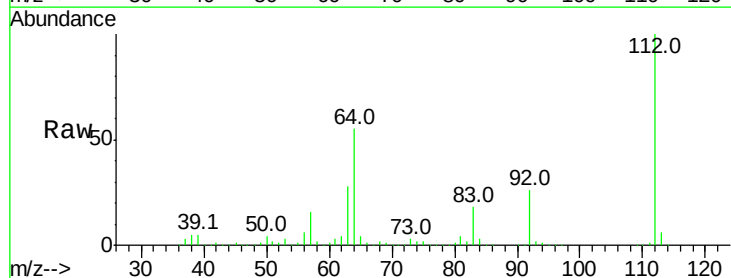
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



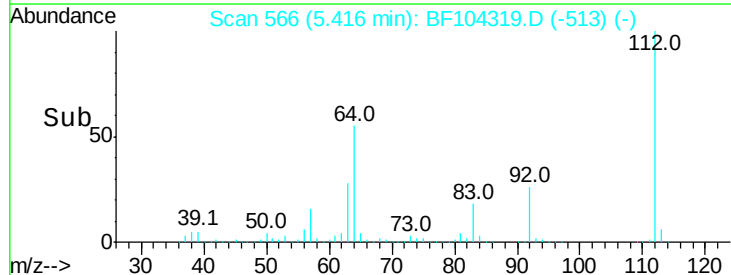
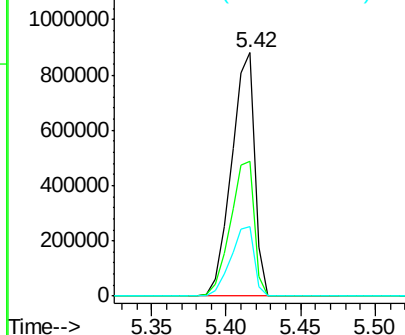
#5

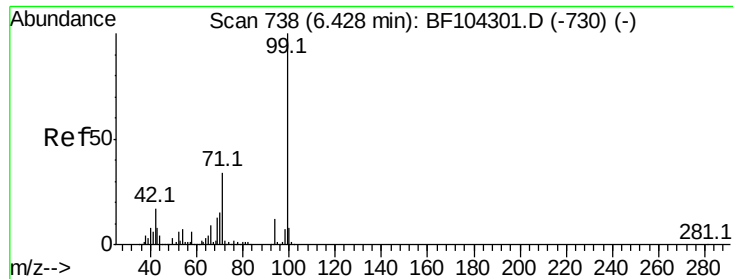
2-Fluorophenol
Concen: 114.988 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF104319.D
Acq: 6 Apr 2018 21:30

Tgt Ion:112 Resp: 963356
Ion Ratio Lower Upper
112 100
64 55.1 47.9 71.9
63 28.3 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: 115.483 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF104319.D

Acq: 6 Apr 2018 21:30

Instrument :

BNA_F

ClientSampleId :

42ND-STREET

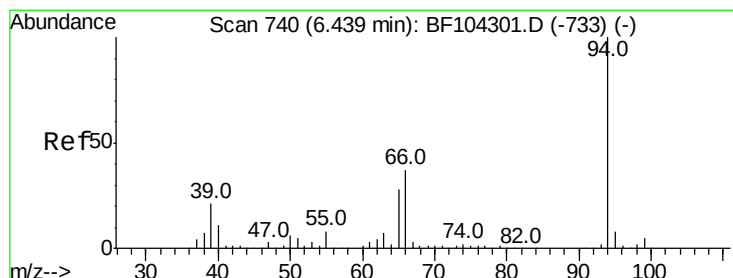
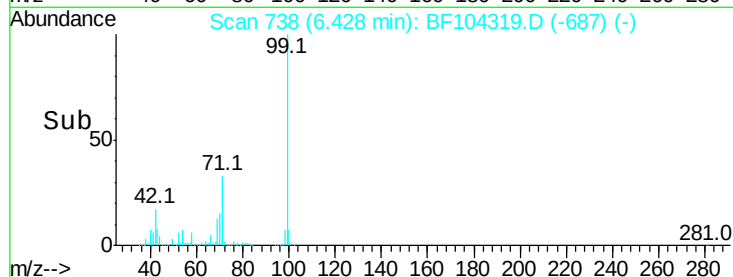
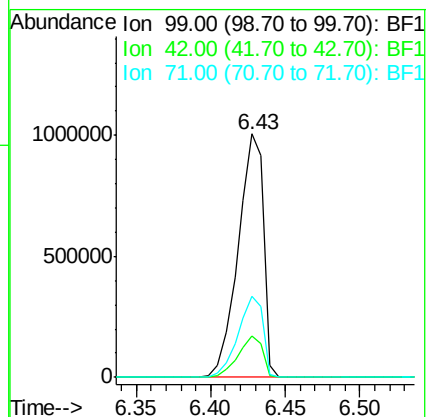
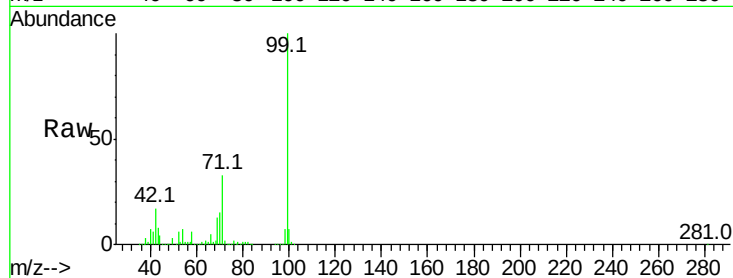
Tot Ion: 99 Resp: 1188756

Ion Ratio Lower Upper

99 100

42 17.0 14.5 21.7

71 33.4 25.4 38.0



#10

Phenol

Concen: 2.187 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF104319.D

Acq: 6 Apr 2018 21:30

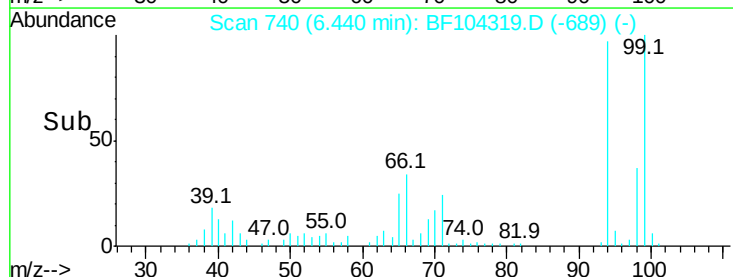
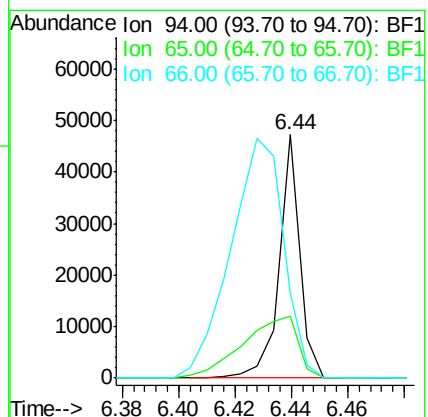
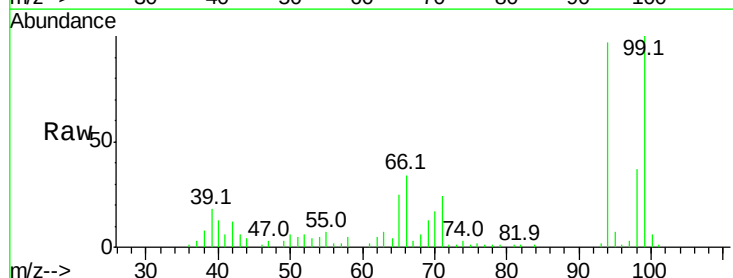
Tgt Ion: 94 Resp: 23885

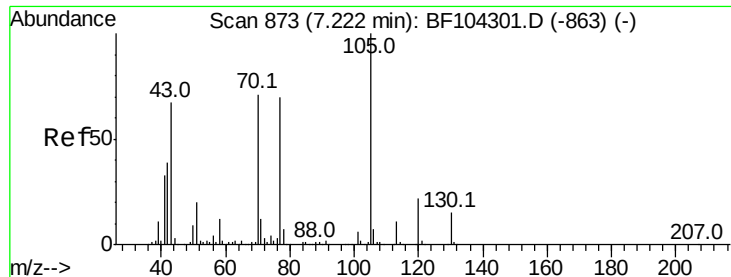
Ion Ratio Lower Upper

94 100

65 25.5 7.9 47.9

66 35.0 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 13.698 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104319.D

Acq: 6 Apr 2018 21:30

Instrument :

BNA_F

ClientSampleId :

42ND-STREET

Tot Ion: 70 Resp: 92140

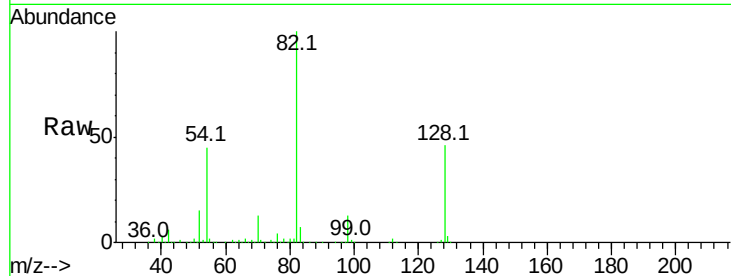
Ion Ratio Lower Upper

70 100

42 43.7 47.5 71.3#

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#



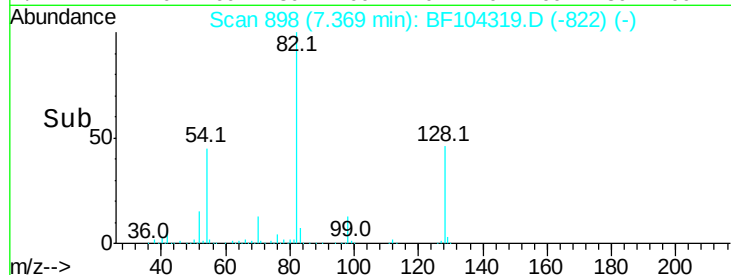
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

Time-->



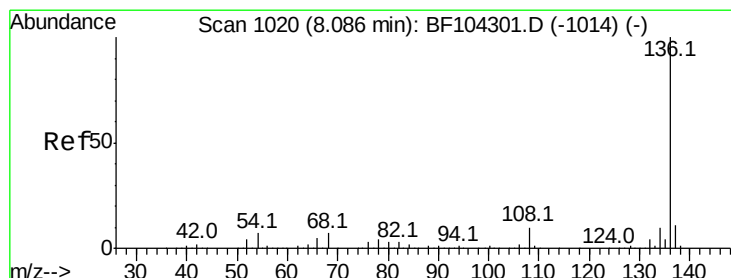
Abundance

100000

50000

0

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BF104319.D

Acq: 6 Apr 2018 21:30

Tgt Ion:136 Resp: 509120

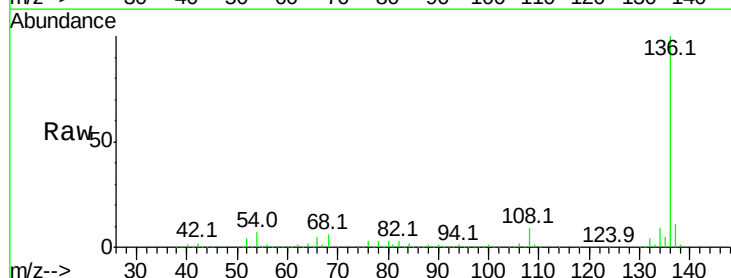
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.6 6.6 9.8

68 5.9 5.0 7.4



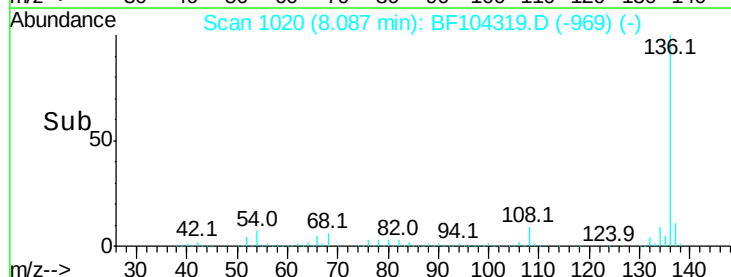
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

Time-->



Abundance

800000

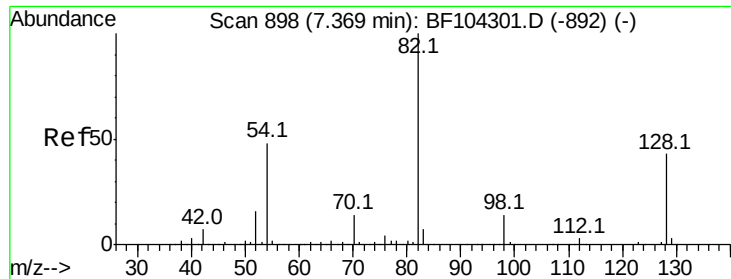
600000

400000

200000

0

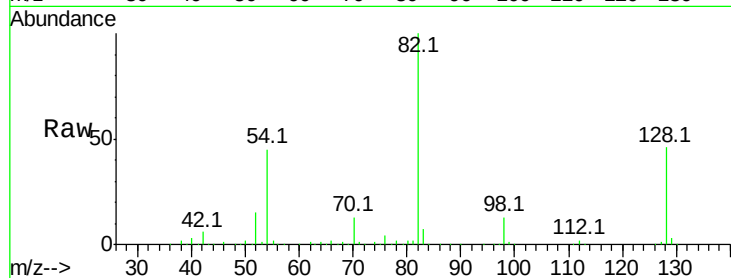
Time-->



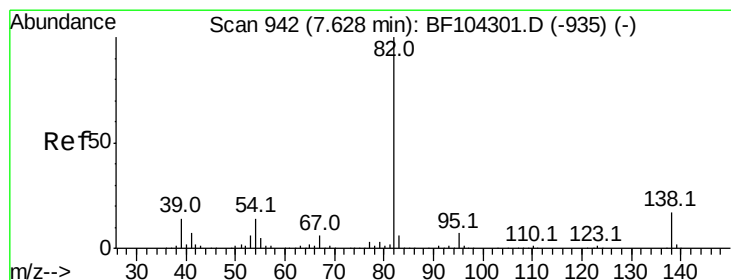
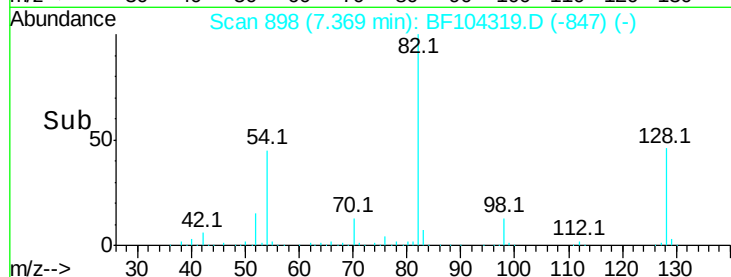
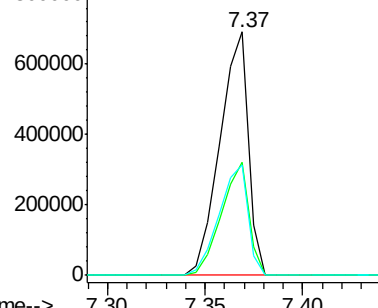
#23
 Nitrobenzene-d5
 Concen: 89.385 ng
 RT: 7.37 min Scan# 898
 Delta R.T. 0.00 min
 Lab File: BF104319.D
 Acq: 6 Apr 2018 21:30

Instrument :
 BNA_F
 ClientSampleId :
 42ND-STREET

Tot Ion: 82 Resp: 696920
 Ion Ratio Lower Upper
 82 100
 128 46.4 36.1 54.1
 54 45.3 41.4 62.2

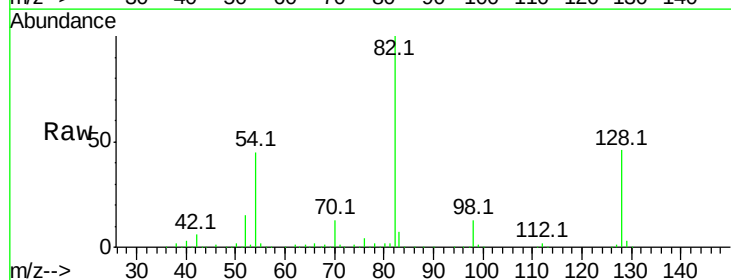


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

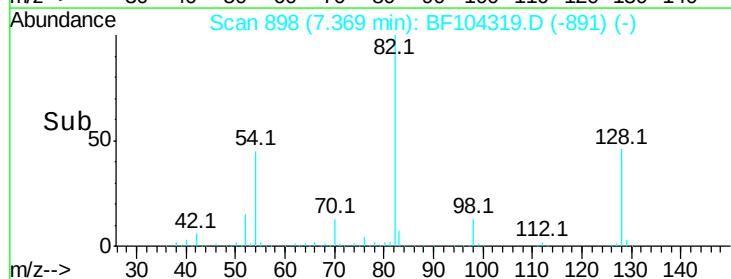
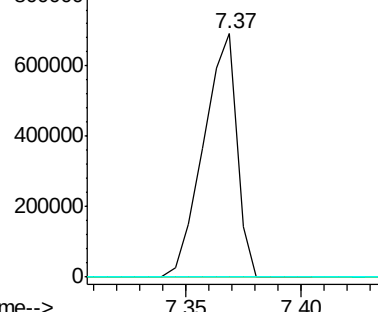


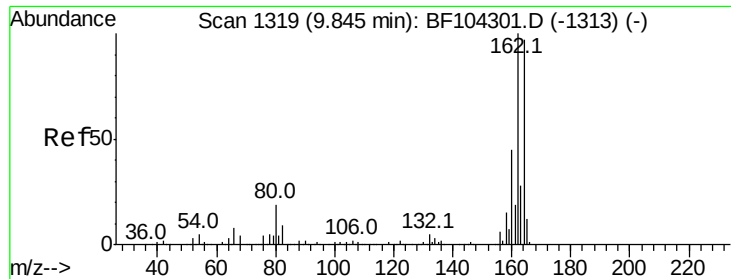
#25
 Isophorone
 Concen: 42.228 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.26 min
 Lab File: BF104319.D
 Acq: 6 Apr 2018 21:30

Tgt Ion: 82 Resp: 696243
 Ion Ratio Lower Upper
 82 100
 95 0.0 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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104319.D

Acq: 6 Apr 2018 21:30

Instrument :

BNA_F

ClientSampleId :

42ND-STREET

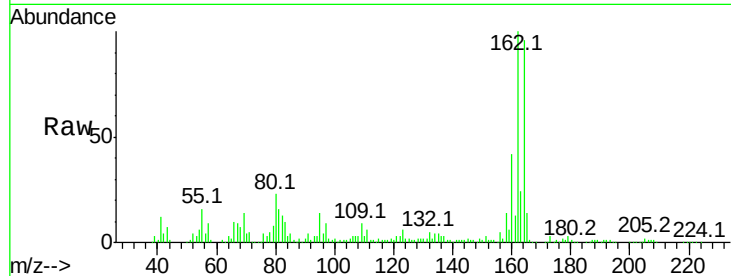
Tot Ion:164 Resp: 211919

Ion Ratio Lower Upper

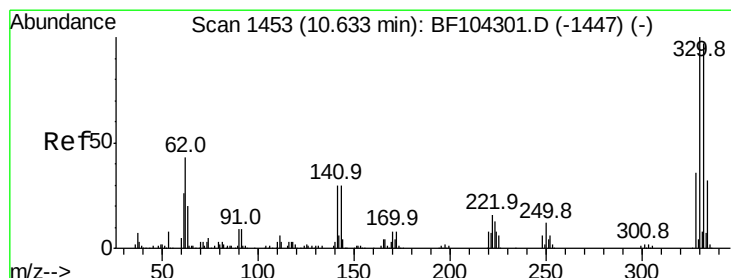
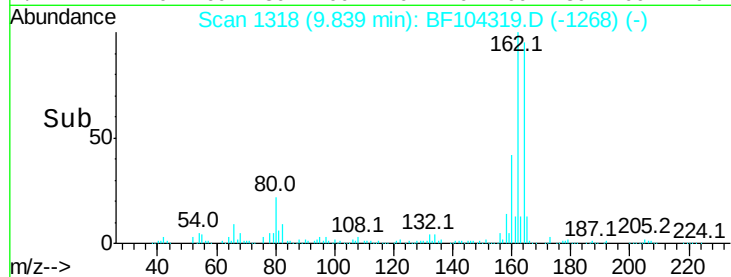
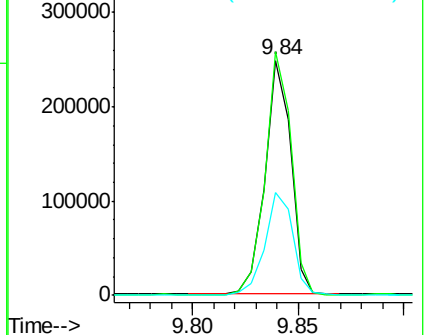
164 100

162 103.8 86.1 129.1

160 43.8 38.3 57.5



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



#41

2,4,6-Tribromophenol

Concen: 99.423 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.00 min

Lab File: BF104319.D

Acq: 6 Apr 2018 21:30

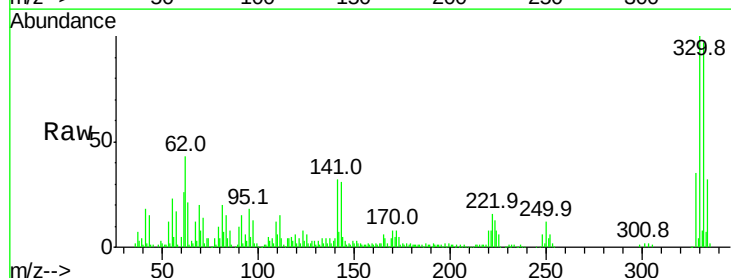
Tgt Ion:330 Resp: 218560

Ion Ratio Lower Upper

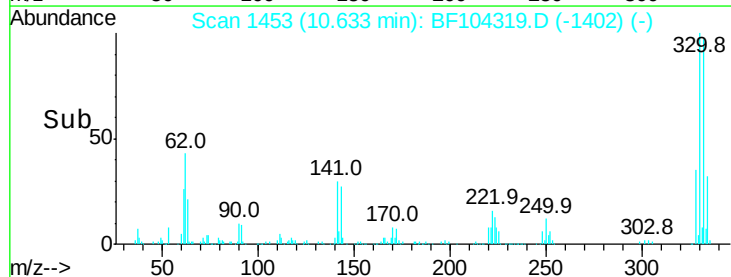
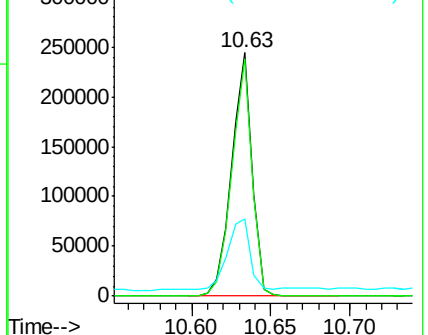
330 100

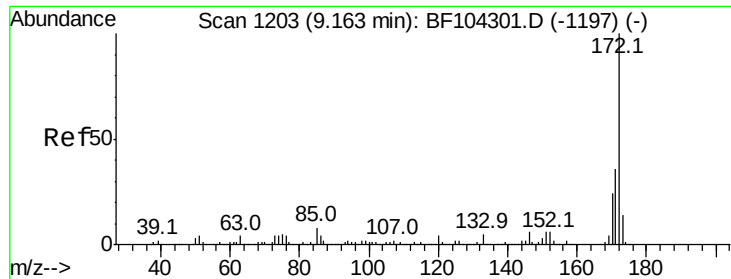
332 96.6 77.0 115.6

141 33.5 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: 80.582 ng

RT: 9.16 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BF104319.D

Acq: 6 Apr 2018 21:30

Instrument :

BNA_F

ClientSampleId :

42ND-STREET

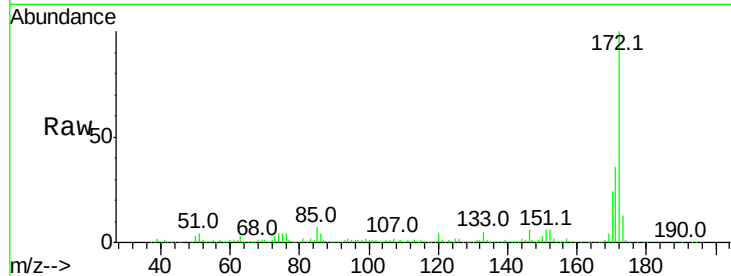
Tot Ion:172 Resp: 1080984

Ion Ratio Lower Upper

172 100

171 36.0 29.7 44.5

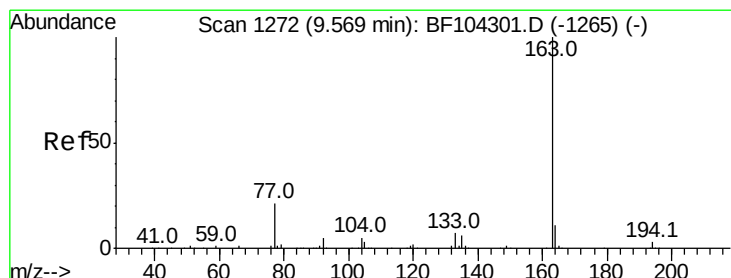
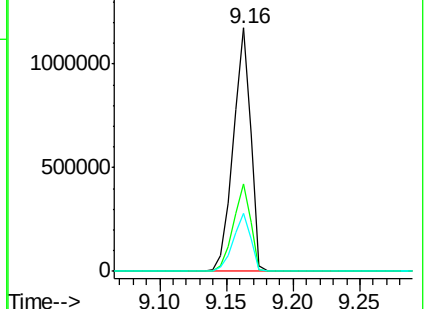
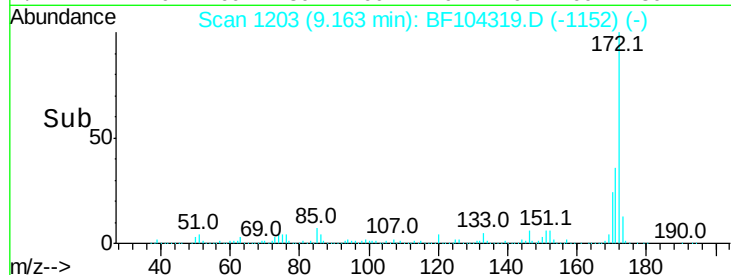
170 24.0 19.6 29.4



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: 6.086 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF104319.D

Acq: 6 Apr 2018 21:30

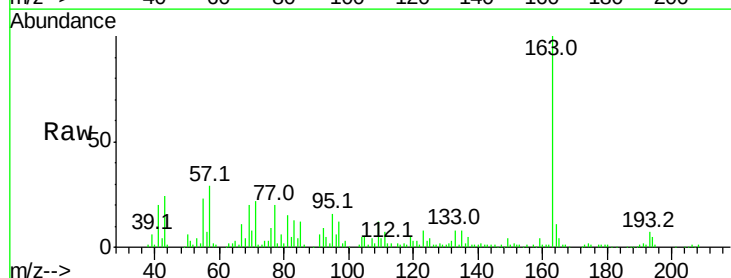
Tgt Ion:163 Resp: 101706

Ion Ratio Lower Upper

163 100

194 5.0 2.7 4.1#

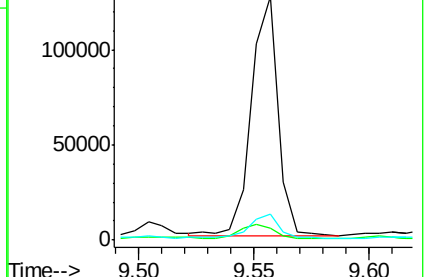
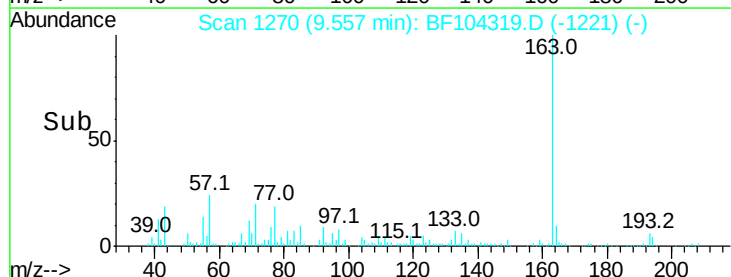
164 10.8 8.2 12.2

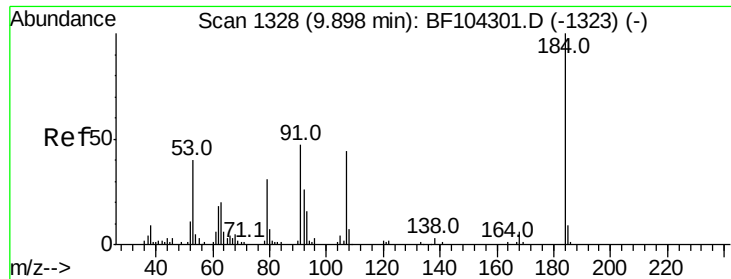


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

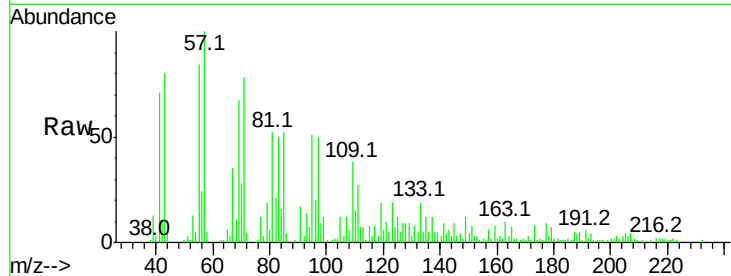




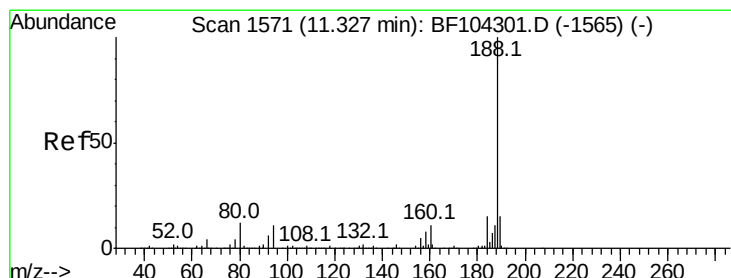
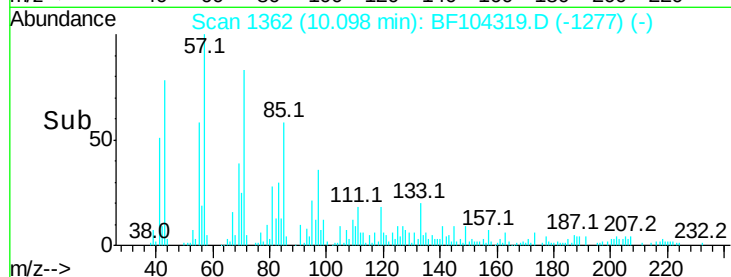
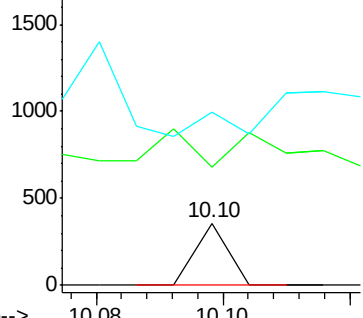
#53
2,4-Dinitrophenol
Concen: 5.274 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.20 min
Lab File: BF104319.D
Acq: 6 Apr 2018 21:30

Instrument :
BNA_F
ClientSampleId :
42ND-STREET

Tot Ion:184 Resp: 126
Ion Ratio Lower Upper
184 100
63 189.1 54.2 81.2#
154 278.2 184.0 276.0#

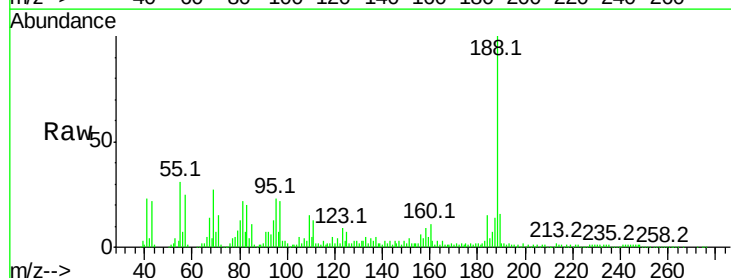


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

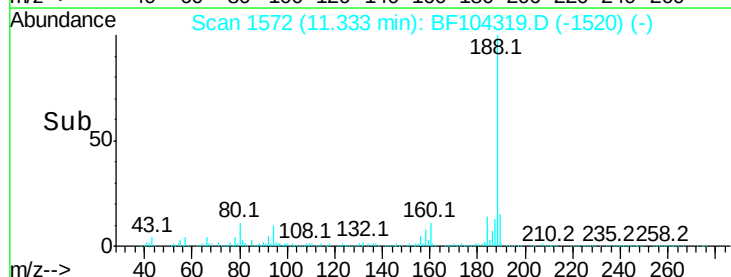
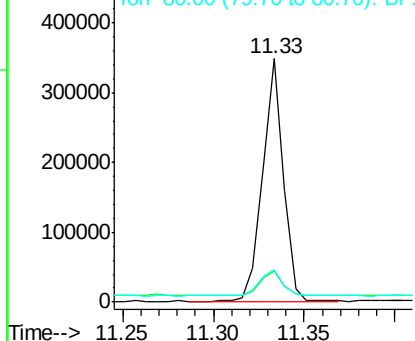


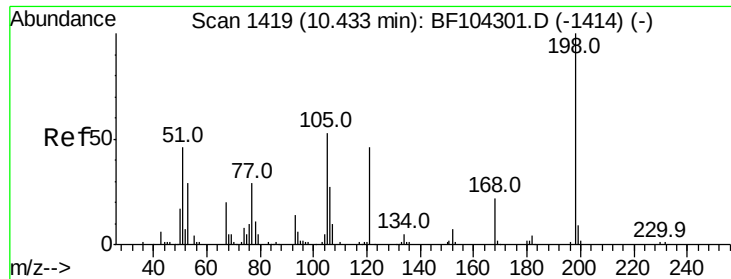
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF104319.D
Acq: 6 Apr 2018 21:30

Tgt Ion:188 Resp: 276554
Ion Ratio Lower Upper
188 100
94 12.8 8.5 12.7#
80 13.3 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

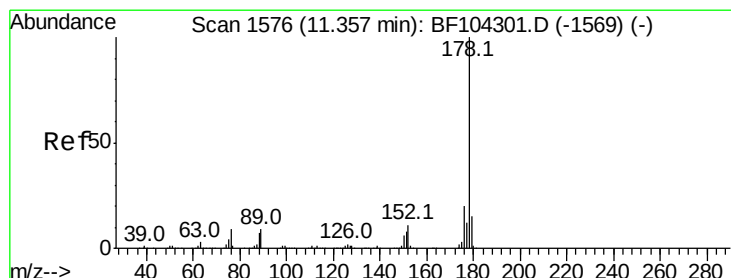
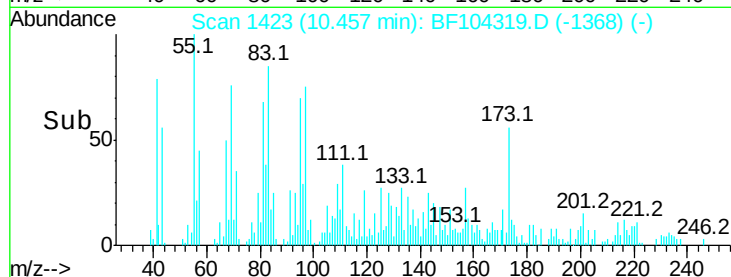
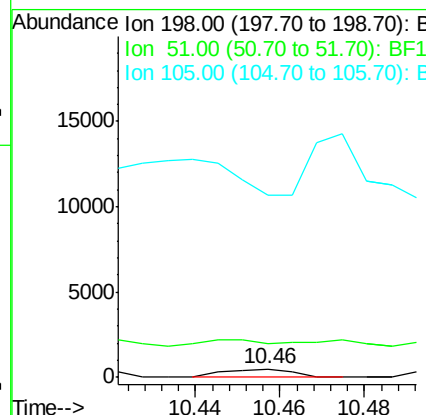
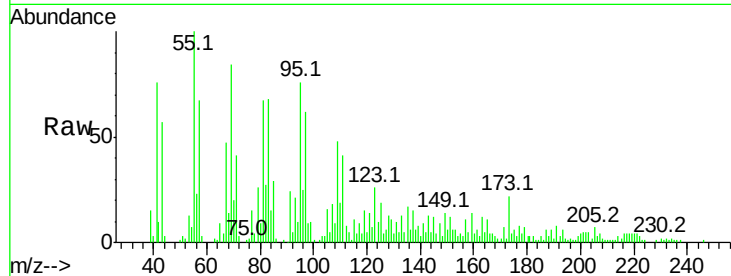




#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.697 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. 0.02 min
 Lab File: BF104319.D
 Acq: 6 Apr 2018 21:30

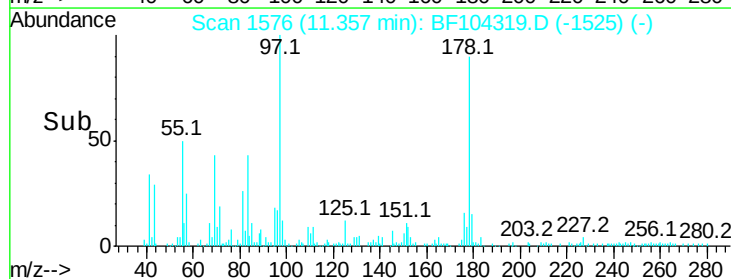
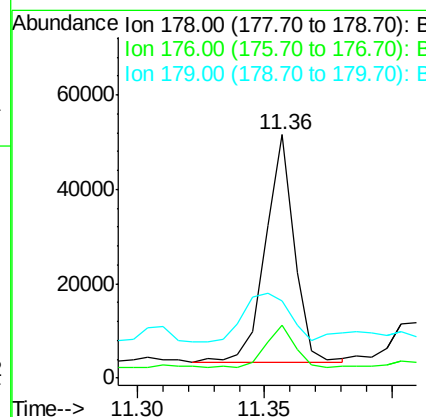
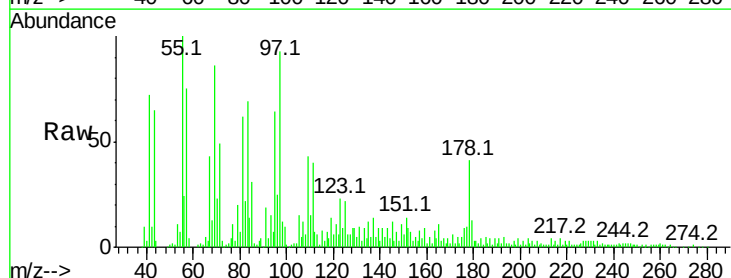
Instrument :
 BNA_F
 ClientSampleId :
 42ND-STREET

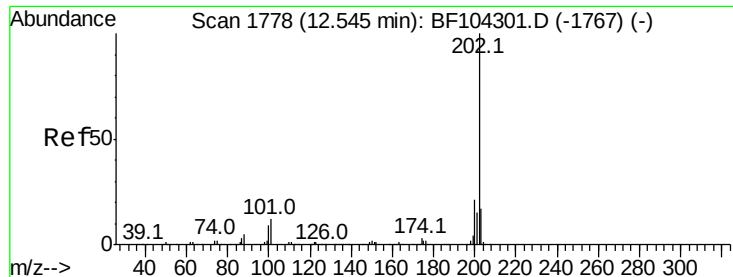
Tot Ion:198 Resp: 556
 Ion Ratio Lower Upper
 198 100
 51 391.2 37.7 77.7#
 105 2084.6 36.3 76.3#



#70
 Phenanthrene
 Concen: 2.484 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: BF104319.D
 Acq: 6 Apr 2018 21:30

Tgt Ion:178 Resp: 38260
 Ion Ratio Lower Upper
 178 100
 176 21.6 15.8 23.8
 179 31.6 13.0 19.6#





#74

Fluoranthene

Concen: 5.087 ng

RT: 12.55 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BF104319.D

Acq: 6 Apr 2018 21:30

Instrument :

BNA_F

ClientSampleId :

42ND-STREET

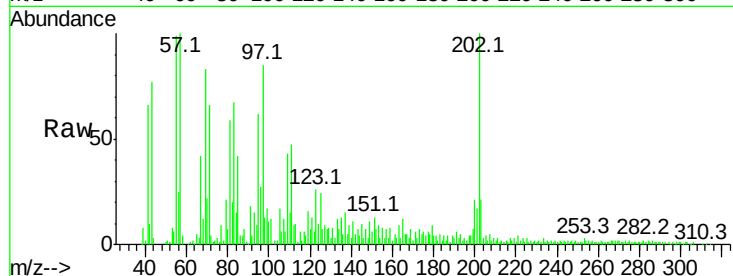
Tot Ion:202 Resp: 81858

Ion Ratio Lower Upper

202 100

101 12.3 0.0 34.1

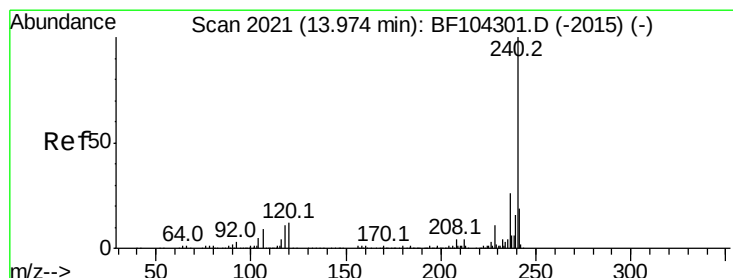
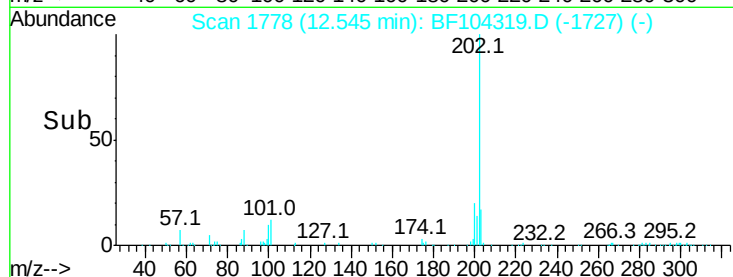
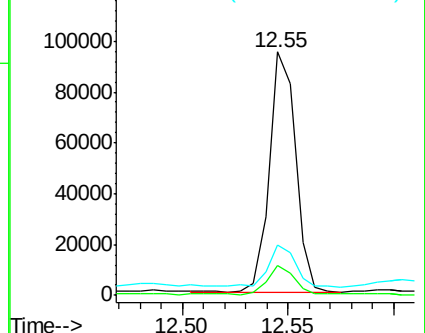
203 20.9 0.0 38.1



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# 2020

Delta R.T. -0.01 min

Lab File: BF104319.D

Acq: 6 Apr 2018 21:30

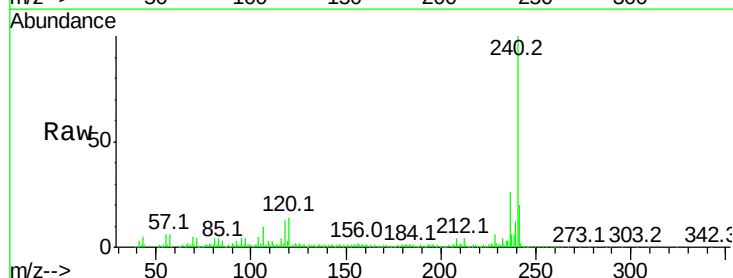
Tgt Ion:240 Resp: 264206

Ion Ratio Lower Upper

240 100

120 14.2 9.5 14.3

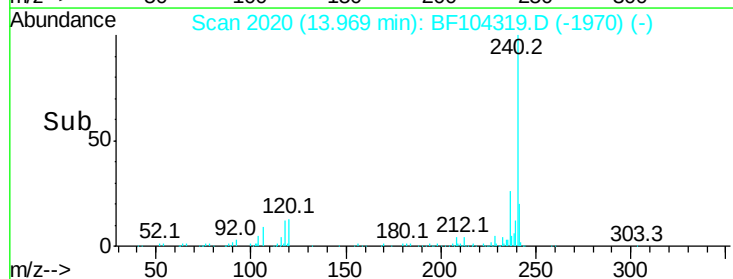
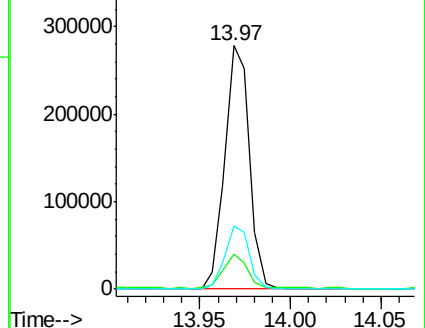
236 25.8 20.7 31.1

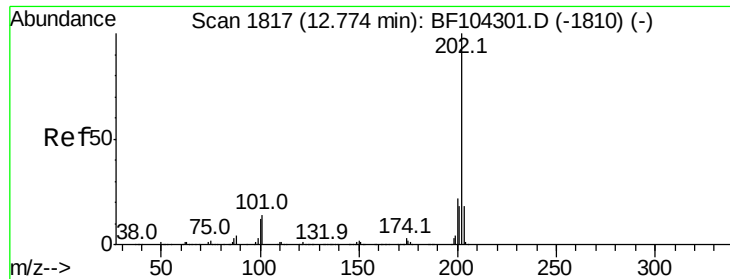


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

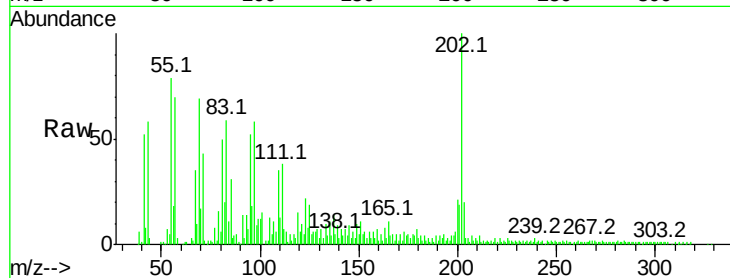




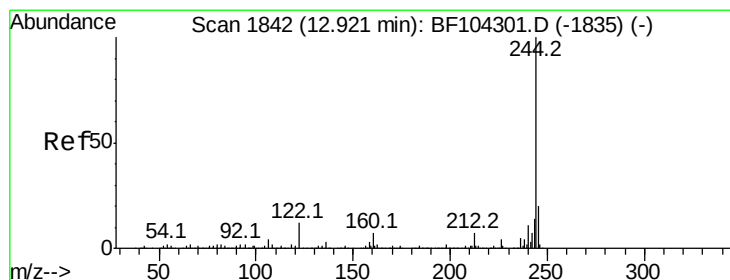
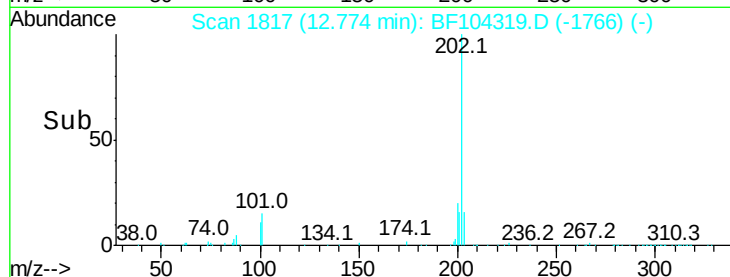
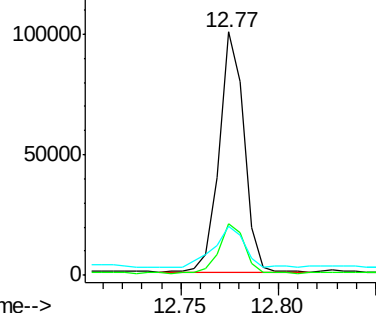
#77
Pvrene
Concen: 4.475 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF104319.D
Acq: 6 Apr 2018 21:30

Instrument :
BNA_F
ClientSampleId :
42ND-STREET

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	20.2	14.3	21.5

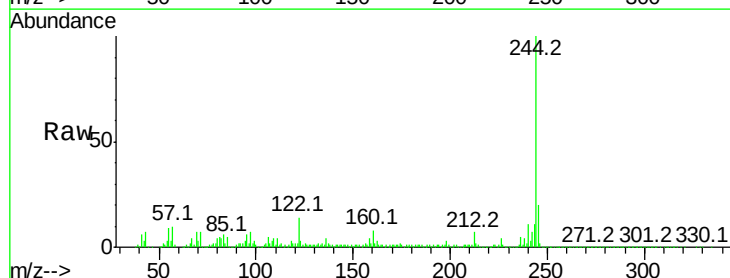


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

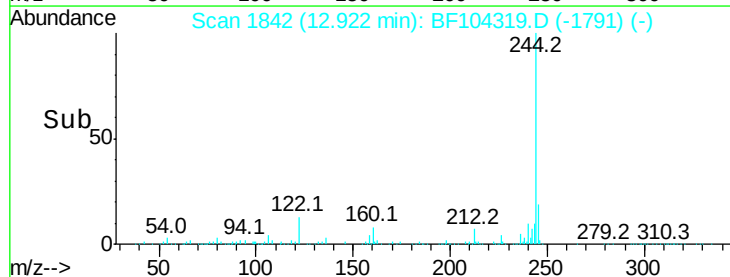
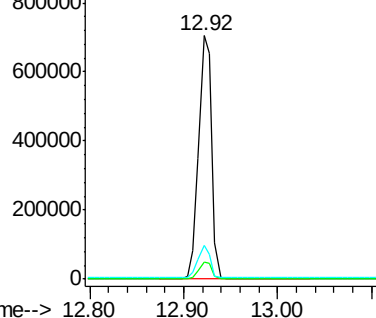


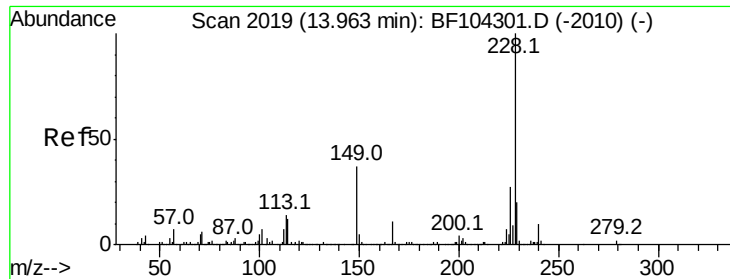
#78
Terphenyl-d14
Concen: 58.420 ng
RT: 12.92 min Scan# 1842
Delta R.T. 0.00 min
Lab File: BF104319.D
Acq: 6 Apr 2018 21:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	13.8	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

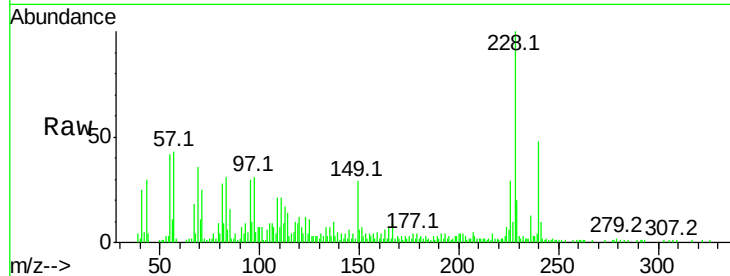




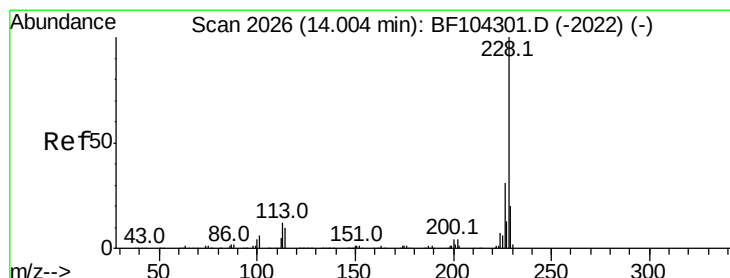
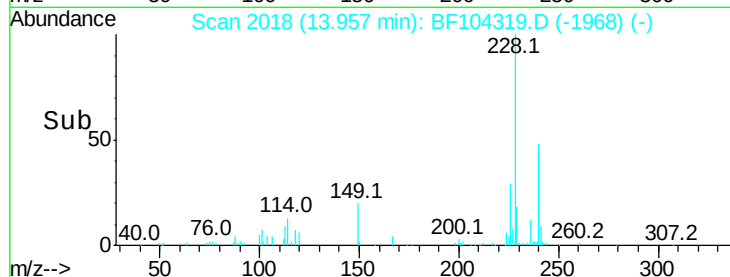
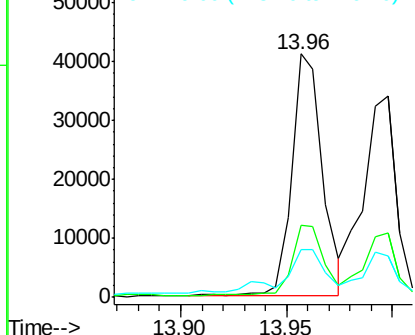
#80
Benzo(a)anthracene
Concen: 2.638 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF104319.D
Acq: 6 Apr 2018 21:30

Instrument :
BNA_F
ClientSampleId :
42ND-STREET

Tot Ion:228 Resp: 41642
Ion Ratio Lower Upper
228 100
226 29.5 22.6 33.8
229 19.8 15.8 23.6

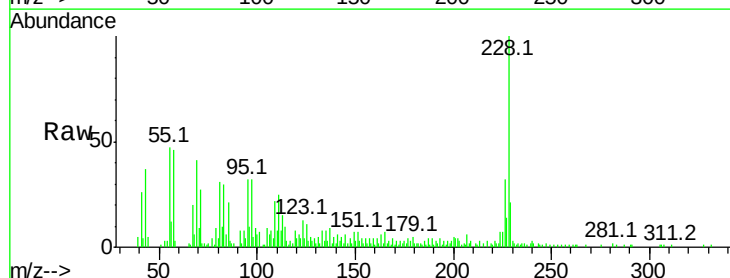


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

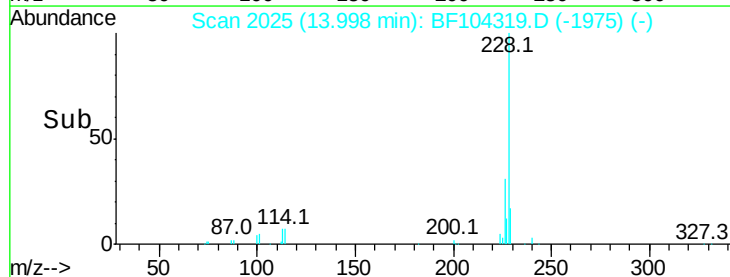
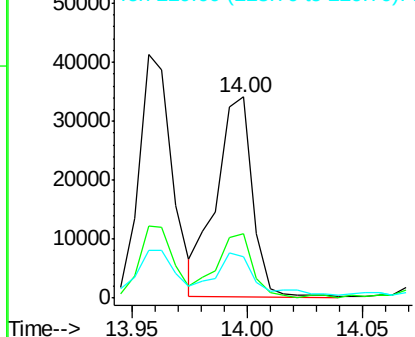


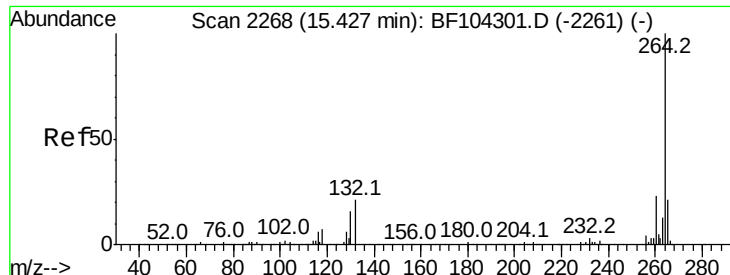
#82
Chrysene
Concen: 2.296 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF104319.D
Acq: 6 Apr 2018 21:30

Tgt Ion:228 Resp: 37227
Ion Ratio Lower Upper
228 100
226 32.1 25.0 37.6
229 20.9 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

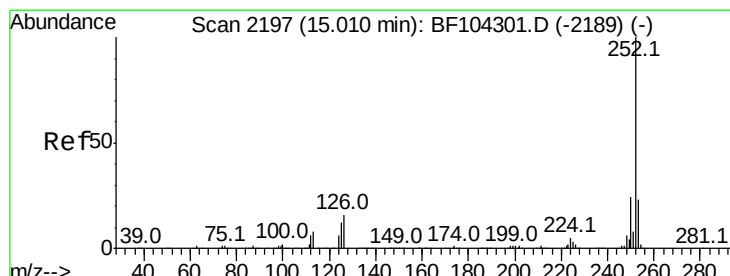
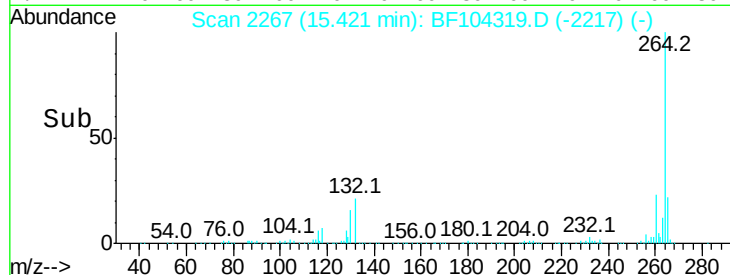
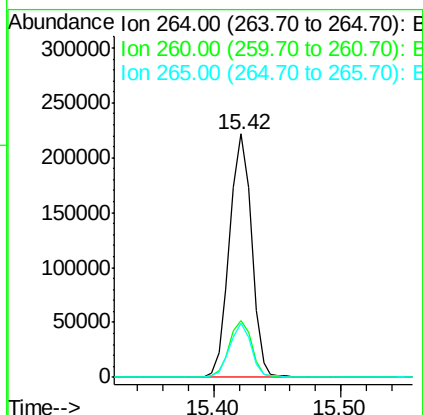
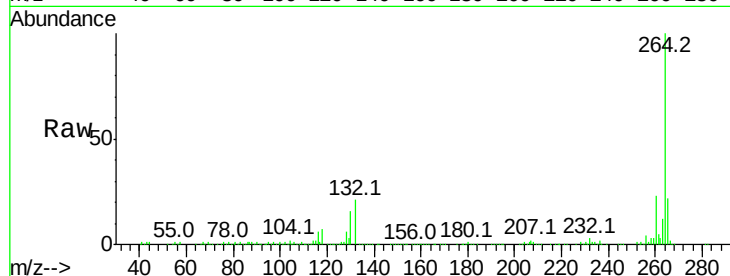




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF104319.D
Acq: 6 Apr 2018 21:30

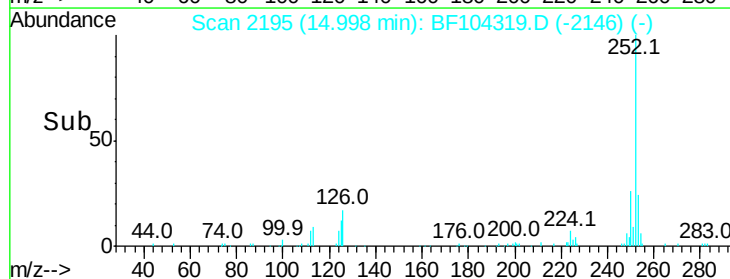
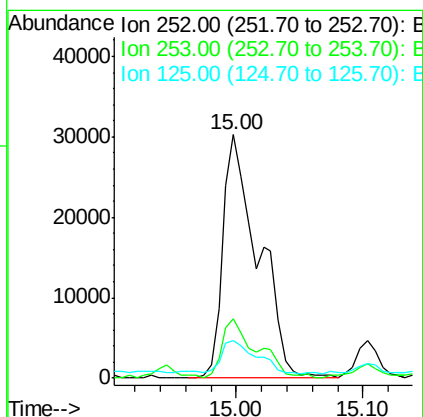
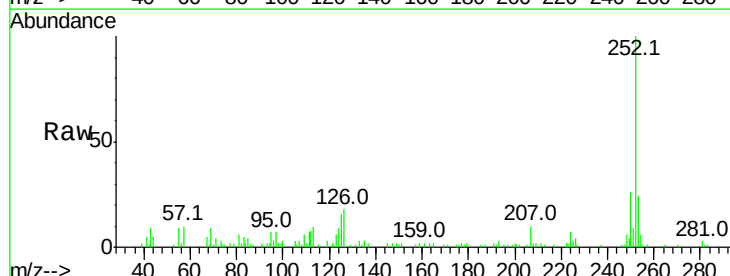
Instrument :
BNA_F
ClientSampleId :
42ND-STREET

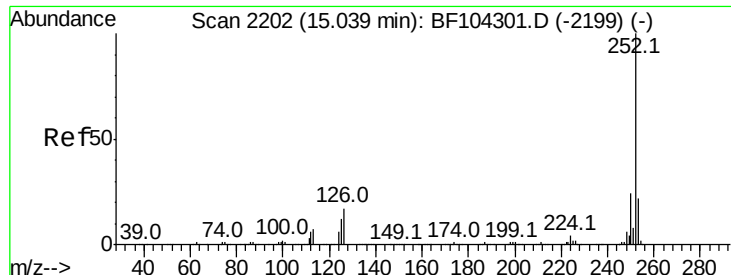
Tot Ion:264 Resp: 267506
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 22.1 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 3.485 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF104319.D
Acq: 6 Apr 2018 21:30

Tgt Ion:252 Resp: 58883
Ion Ratio Lower Upper
252 100
253 24.4 17.0 25.6
125 15.5 9.0 13.6#





#88
 Benzo(k)fluoranthene
 Concen: 3.692 ng
 RT: 15.00 min Scan# 2195
 Delta R.T. -0.04 min
 Lab File: BF104319.D
 Acq: 6 Apr 2018 21:30

Instrument :
 BNA_F
 ClientSampleId :
 42ND-STREET

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	15.5	10.2	15.2

