

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041118\
 Data File : BF104442.D
 Acq On : 11 Apr 2018 17:02
 Operator : JU/SJ
 Sample : J2324-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 11 18:38:46 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 11 13:19:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	117836	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	455392	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	188681	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	300313	20.00	ng	0.00
75) Chrysene-d12	13.98	240	245377	20.00	ng	0.00
86) Perylene-d12	15.44	264	203725	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	392384	50.92	ng	0.01
7) Phenol-d6	6.43	99	641992	67.80	ng	0.00
23) Nitrobenzene-d5	7.37	82	419888	60.21	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	39130	19.99	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	744129	62.30	ng	0.00
78) Terphenyl-d14	12.93	244	609571	56.64	ng	0.00

Target Compounds

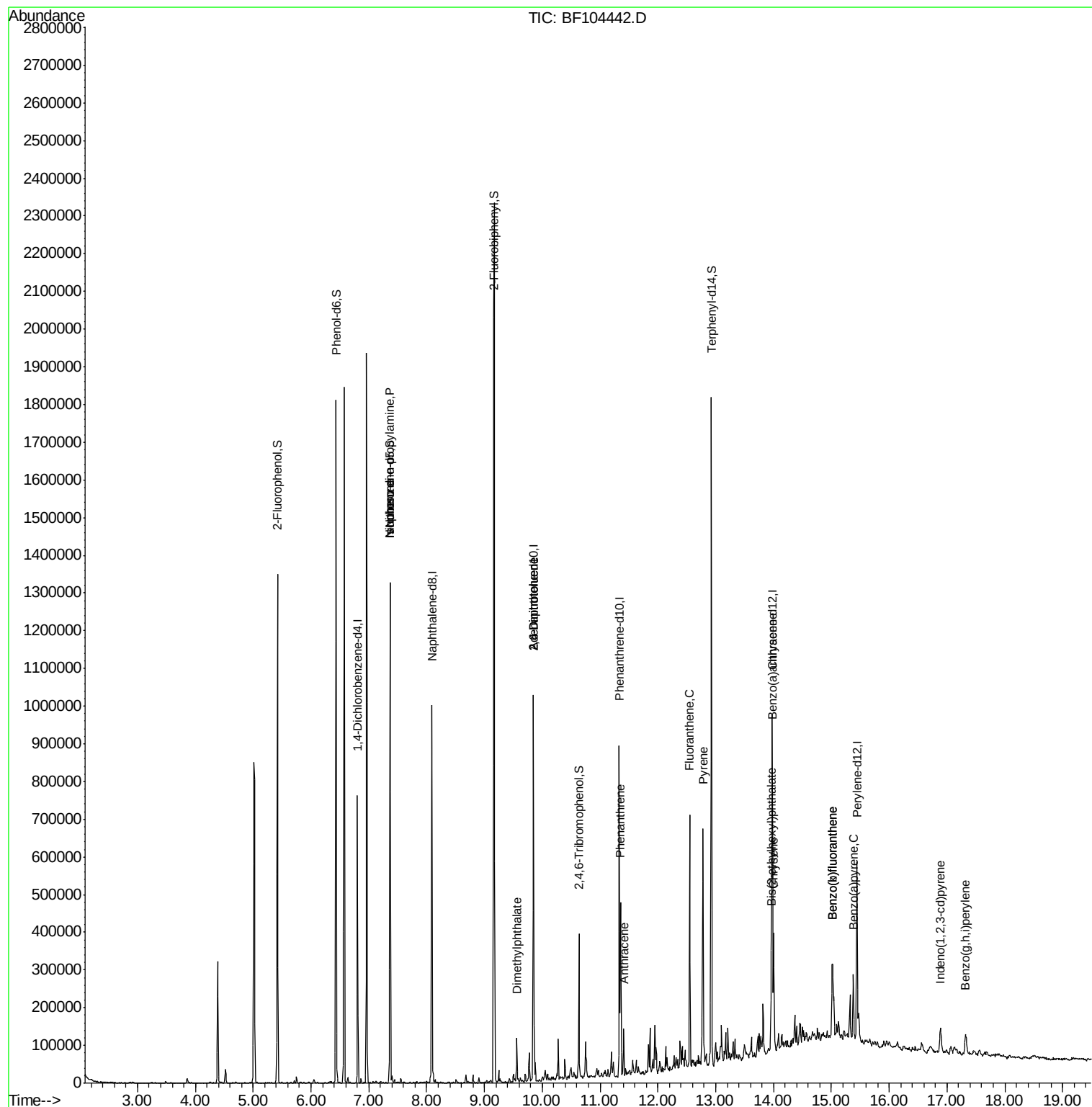
						Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	53703	8.679	ng	# 75
25) Isophorone	7.37	82	417448	28.306	ng	# 64
49) Dimethylphthalate	9.56	163	41474	2.787	ng	98
50) 2,6-Dinitrotoluene	9.85	165	24119	8.760	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	24119	6.679	ng	# 23
70) Phenanthrene	11.36	178	156301	9.346	ng	99
71) Anthracene	11.41	178	39281	2.311	ng	98
74) Fluoranthene	12.55	202	238403	13.644	ng	96
76) Benzidine	12.67	184	706	Below Cal		# 66
77) Pyrene	12.78	202	237020	13.032	ng	99
80) Benzo(a)anthracene	13.97	228	121957	8.320	ng	98
82) Chrysene	14.00	228	110961	7.369	ng	97
83) Bis(2-ethylhexyl)phthalate	13.96	149	25274	2.293	ng	99
85) Indeno(1,2,3-cd)pyrene	16.89	276	42544	3.326	ng	# 92
87) Benzo(b)fluoranthene	15.02	252	148156	11.514	ng	# 96
88) Benzo(k)fluoranthene	15.02	252	148156	12.196	ng	98
89) Benzo(a)pyrene	15.38	252	75649	6.571	ng	96
91) Benzo(g,h,i)perylene	17.32	276	39347	4.295	ng	97

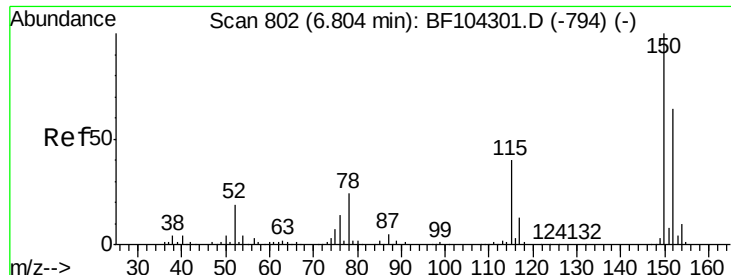
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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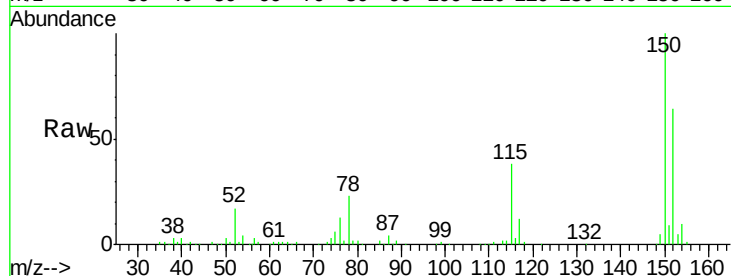


#1

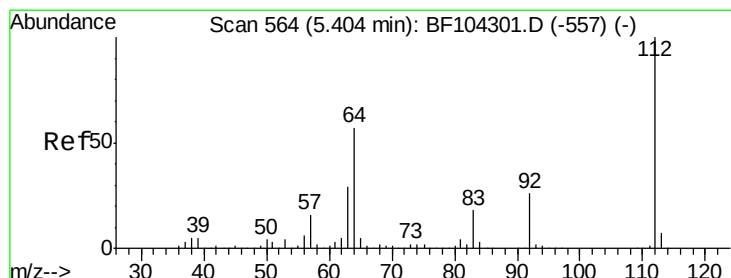
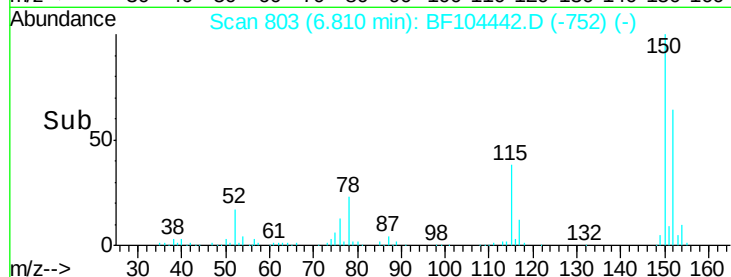
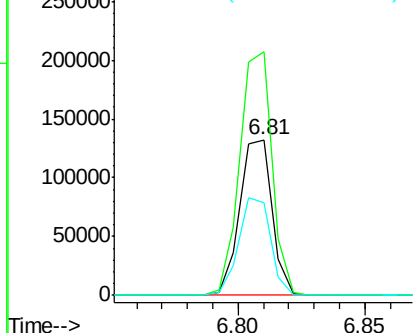
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104442.D
Acq: 11 Apr 2018 17:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 117836
Ion Ratio Lower Upper
152 100
150 156.6 124.6 186.8
115 59.7 50.1 75.1



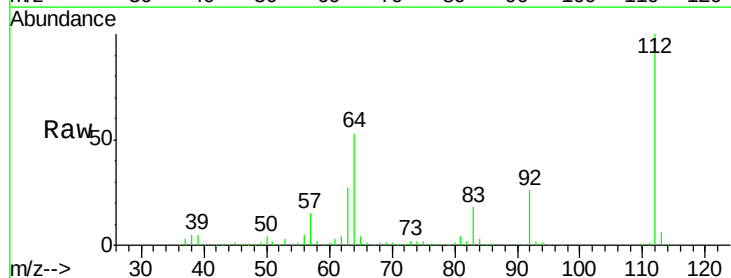
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



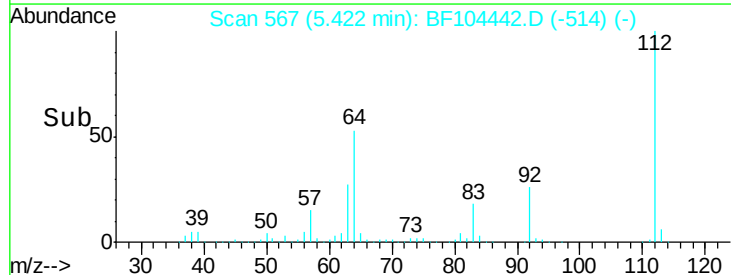
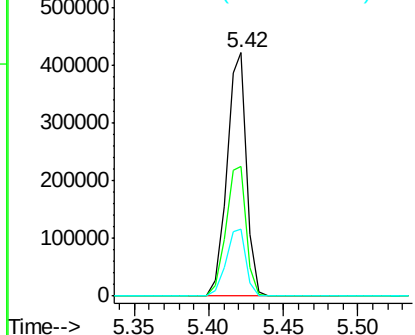
#5

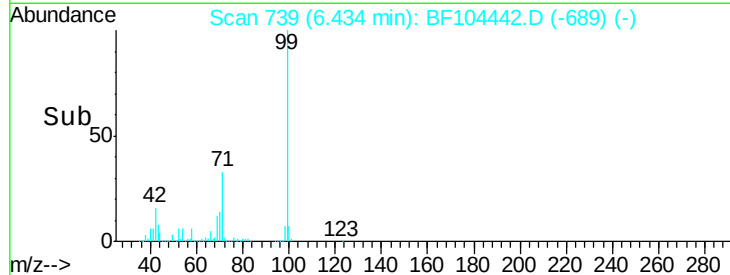
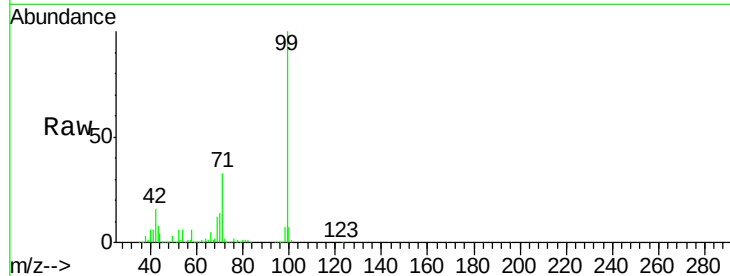
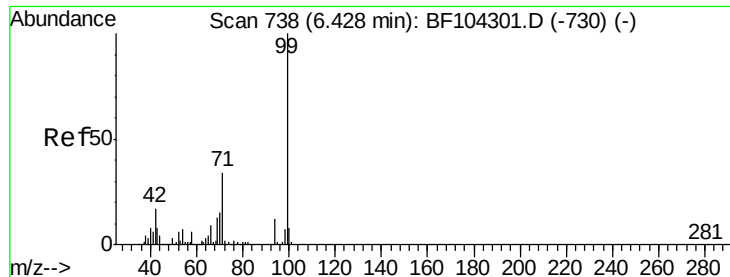
2-Fluorophenol
Concen: 50.916 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104442.D
Acq: 11 Apr 2018 17:02

Tgt Ion:112 Resp: 392384
Ion Ratio Lower Upper
112 100
64 53.3 47.9 71.9
63 27.4 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: 67.801 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104442.D

Acq: 11 Apr 2018 17:02

Instrument :

BNA_F

ClientSampleId :

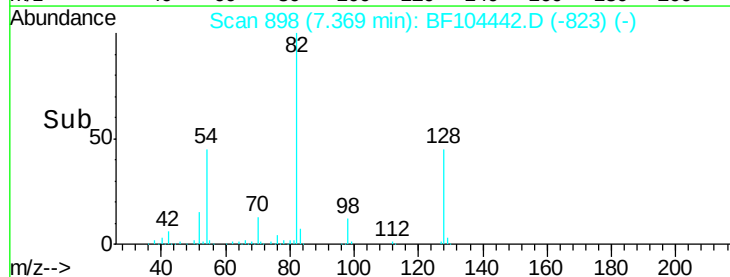
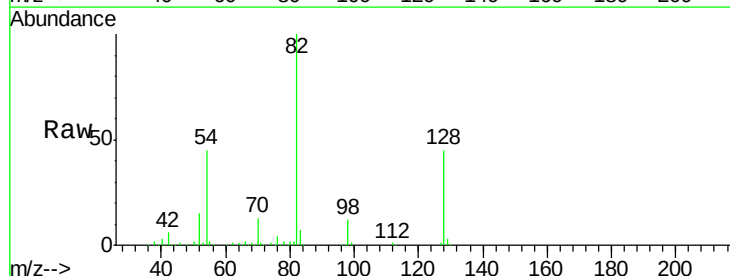
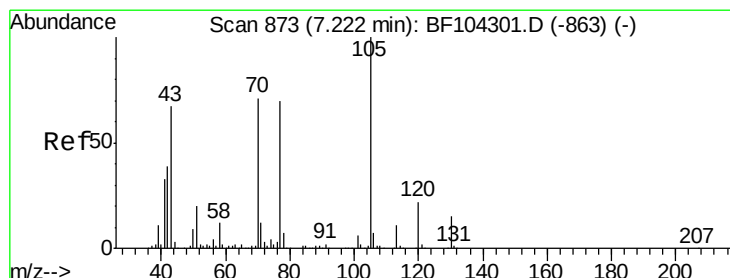
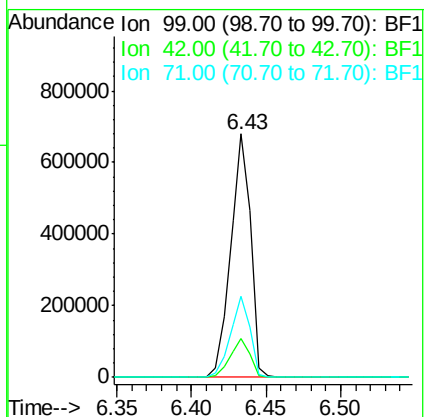
Tot Ion: 99 Resp: 641992

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

71 33.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 8.679 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF104442.D

Acq: 11 Apr 2018 17:02

Tgt Ion: 70 Resp: 53703

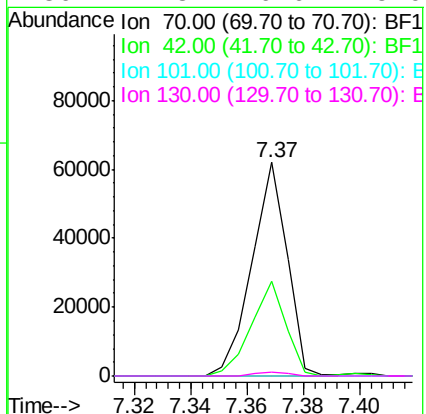
Ion Ratio Lower Upper

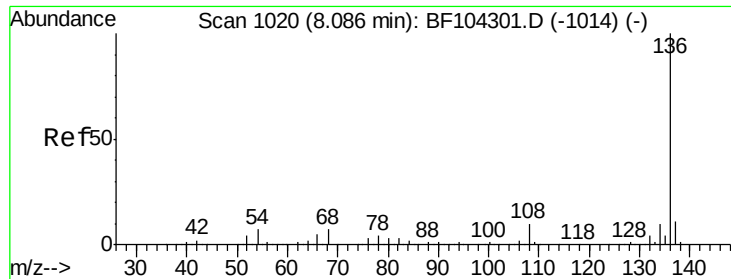
70 100

42 44.6 47.5 71.3#

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

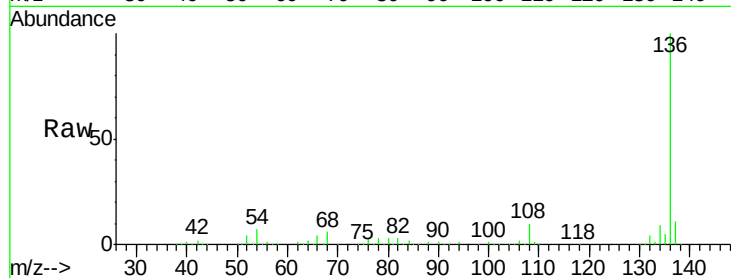




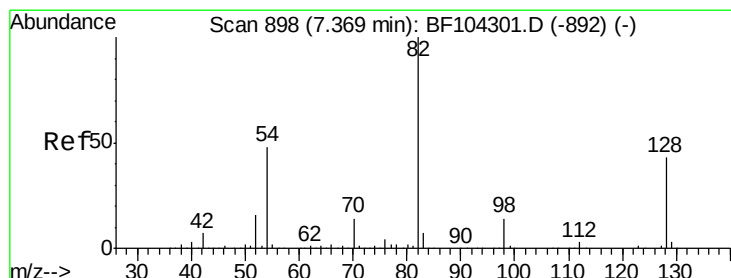
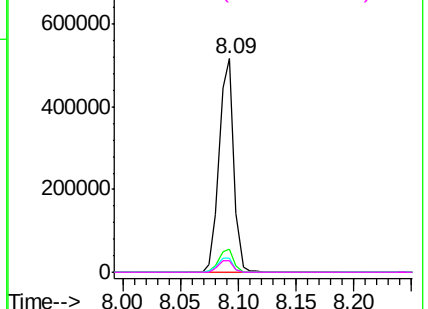
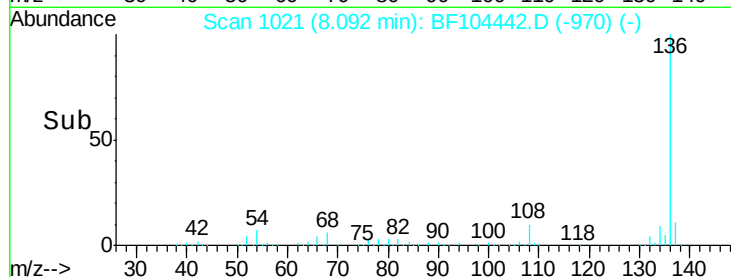
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF104442.D
Acq: 11 Apr 2018 17:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	455392
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	6.6	6.6 9.8
68	5.6	5.0 7.4

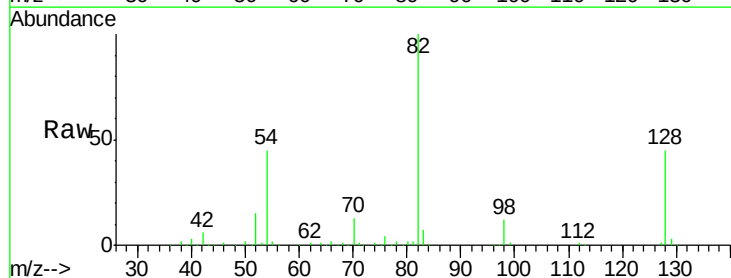


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

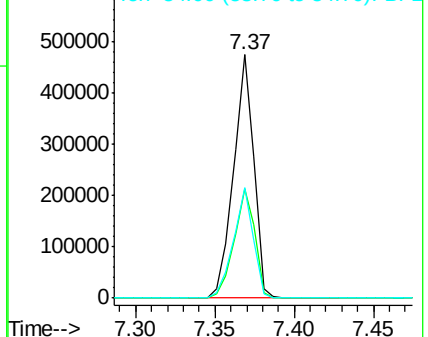
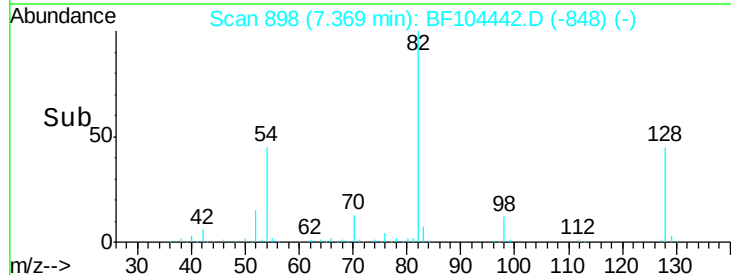


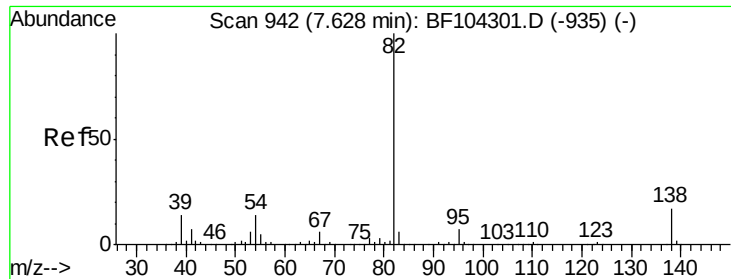
#23
Nitrobenzene-d5
Concen: 60.207 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104442.D
Acq: 11 Apr 2018 17:02

Tgt Ion: 82	Resp:	419888
Ion Ratio	Lower	Upper
82	100	
128	44.9	36.1 54.1
54	45.5	41.4 62.2



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: 28.306 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104442.D

Acq: 11 Apr 2018 17:02

Instrument :

BNA_F

ClientSampleId :

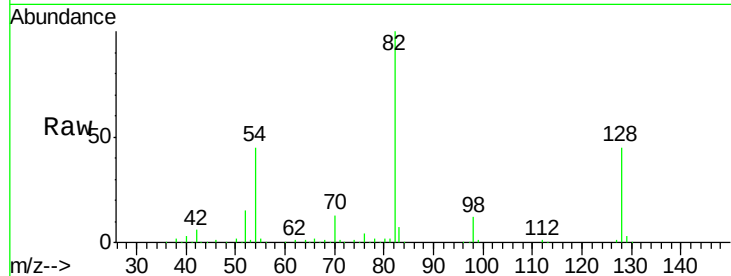
Tot Ion: 82 Resp: 417448

Ion Ratio Lower Upper

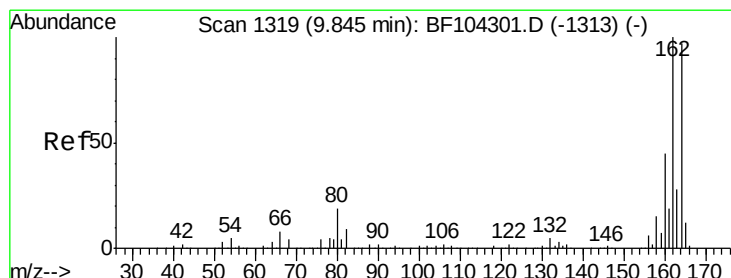
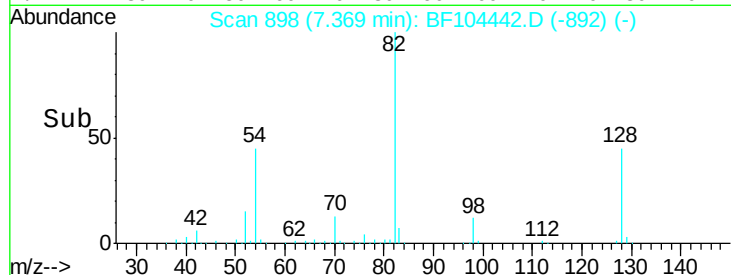
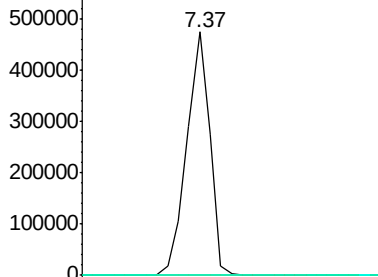
82 100

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: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF104442.D

Acq: 11 Apr 2018 17:02

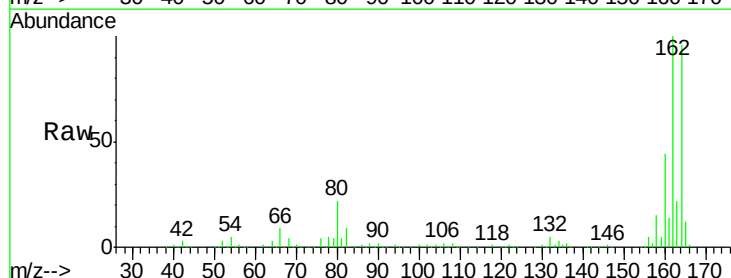
Tgt Ion: 164 Resp: 188681

Ion Ratio Lower Upper

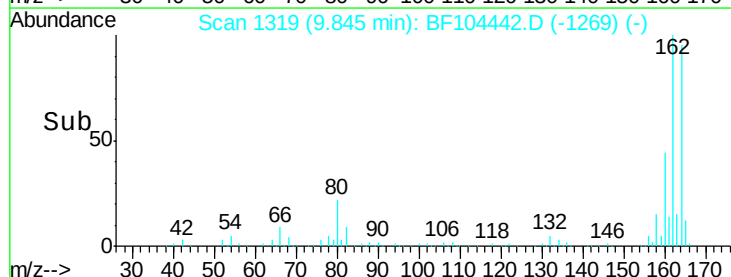
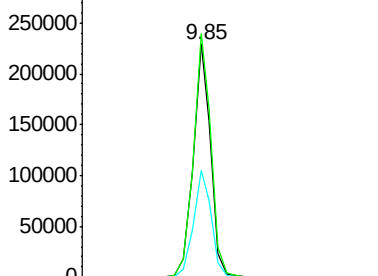
164 100

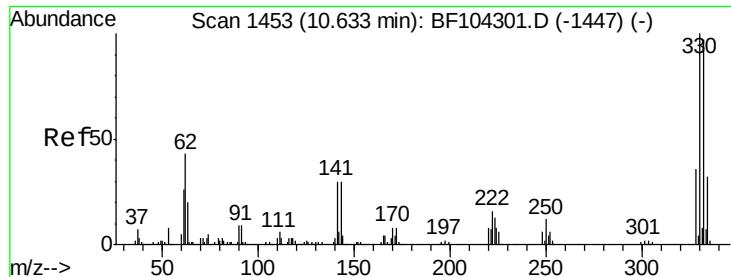
162 104.6 86.1 129.1

160 45.9 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: 19.992 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF104442.D

Acq: 11 Apr 2018 17:02

Instrument :

BNA_F

ClientSampleId :

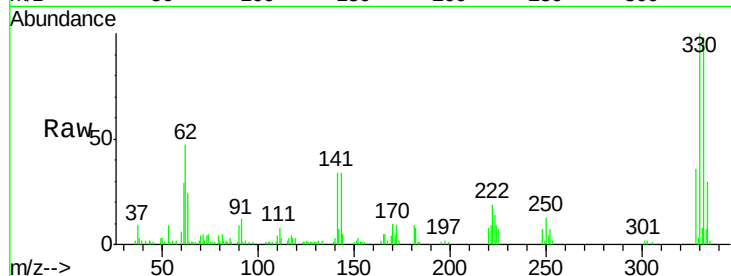
Tot Ion:330 Resp: 39130

Ion Ratio Lower Upper

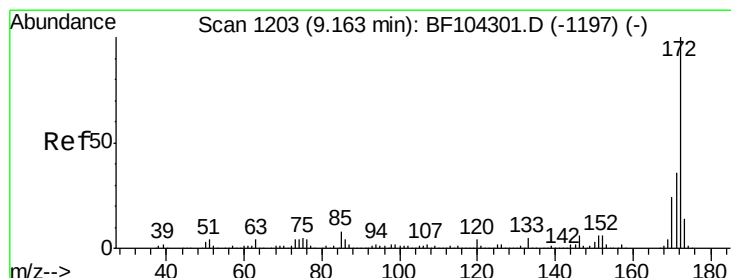
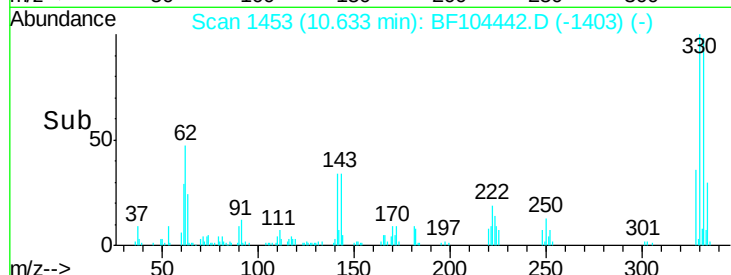
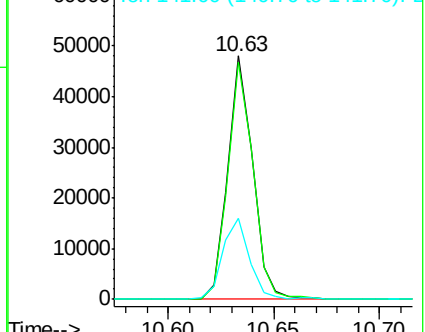
330 100

332 98.4 77.0 115.6

141 36.2 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: 62.303 ng

RT: 9.17 min Scan# 1204

Delta R.T. 0.00 min

Lab File: BF104442.D

Acq: 11 Apr 2018 17:02

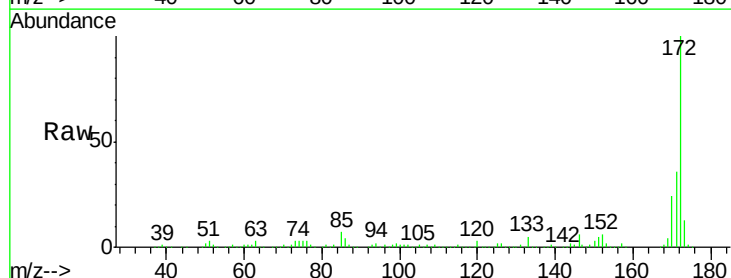
Tgt Ion:172 Resp: 744129

Ion Ratio Lower Upper

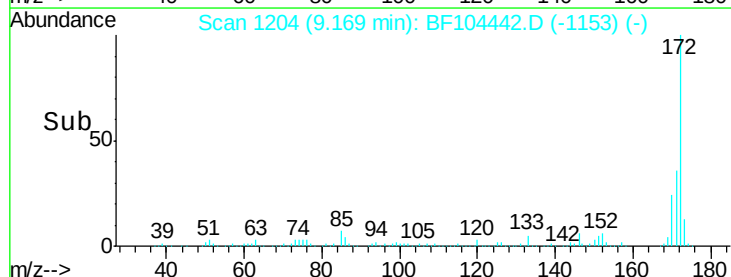
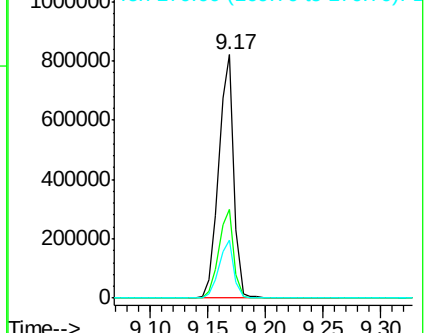
172 100

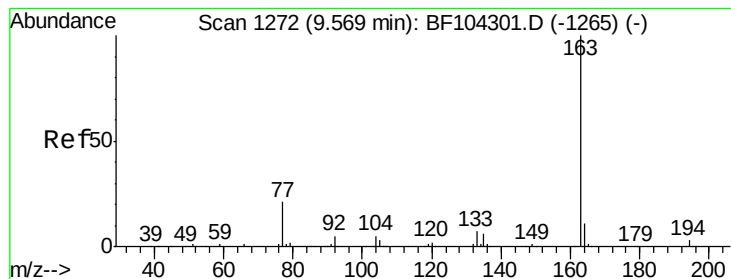
171 36.3 29.7 44.5

170 23.8 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: 2.787 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF104442.D

Acq: 11 Apr 2018 17:02

Instrument :

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ClientSampleId :

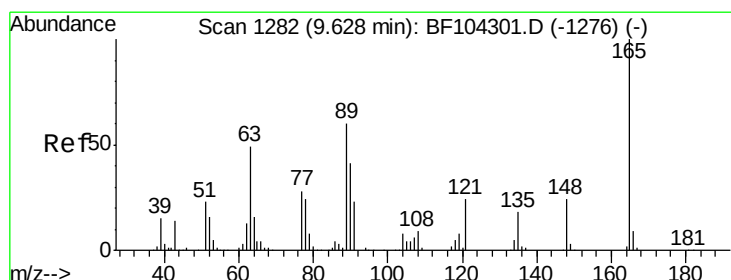
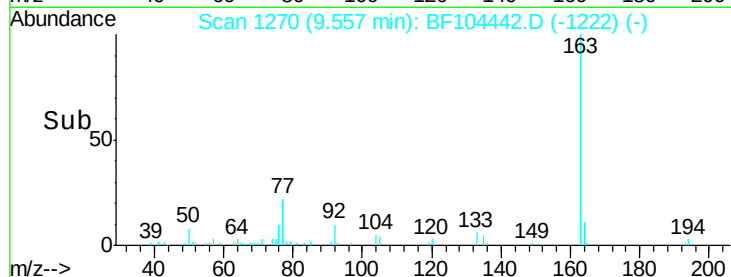
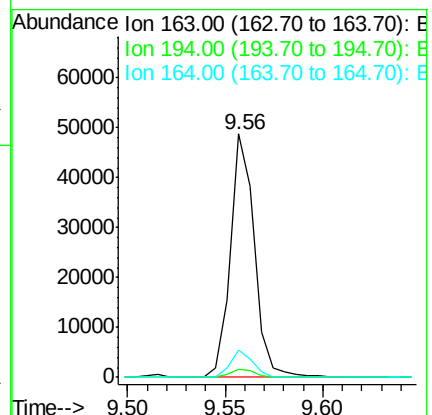
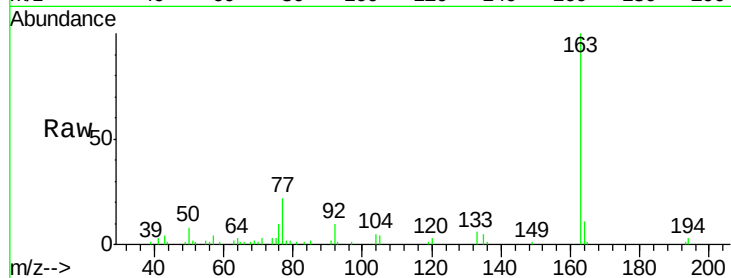
Tot Ion:163 Resp: 41474

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

164 11.0 8.2 12.2



#50

2,6-Dinitrotoluene

Concen: 8.760 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.21 min

Lab File: BF104442.D

Acq: 11 Apr 2018 17:02

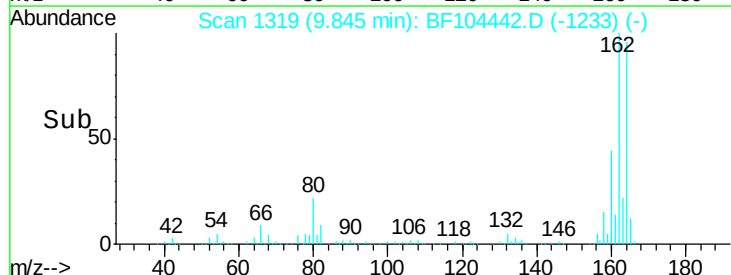
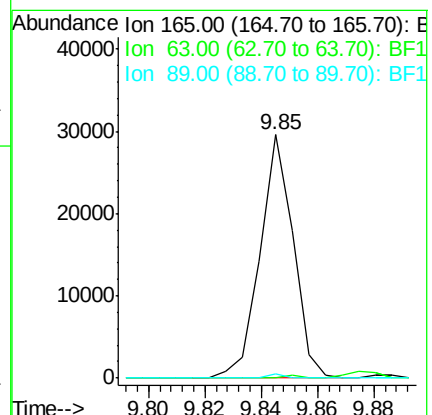
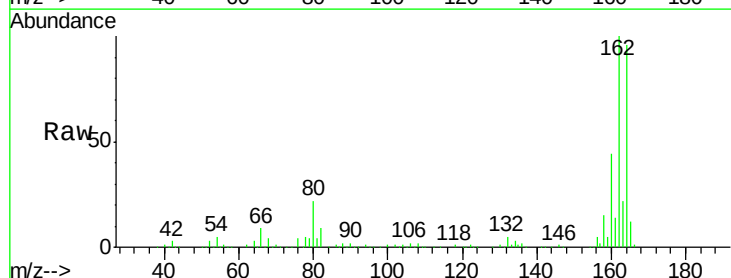
Tgt Ion:165 Resp: 24119

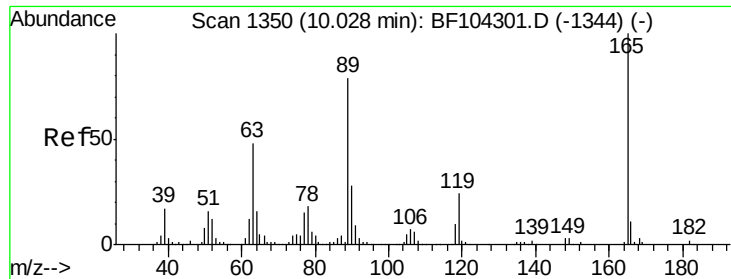
Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

89 1.7 44.0 66.0#

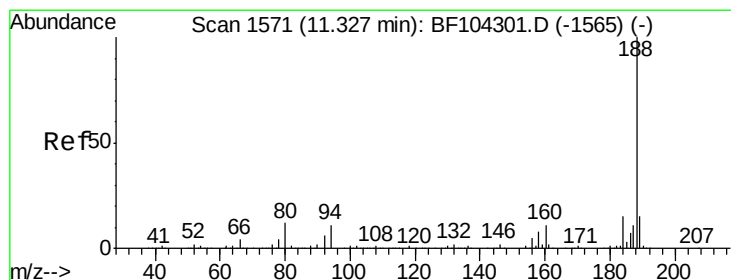
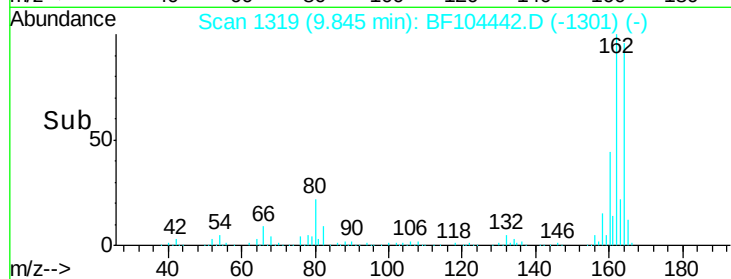
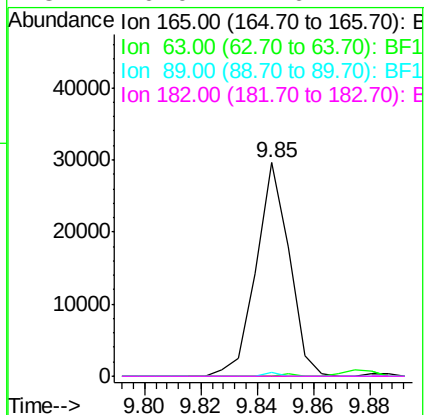
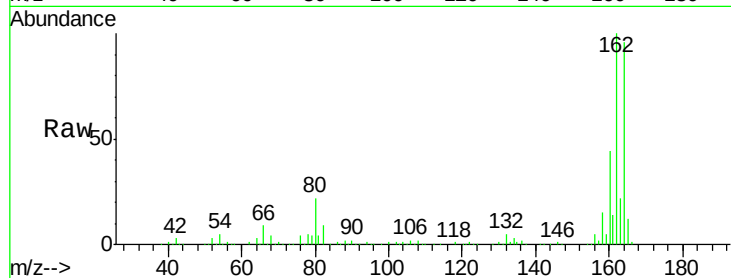




#56
2,4-Dinitrotoluene
Concen: 6.679 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.19 min
Lab File: BF104442.D
Acq: 11 Apr 2018 17:02

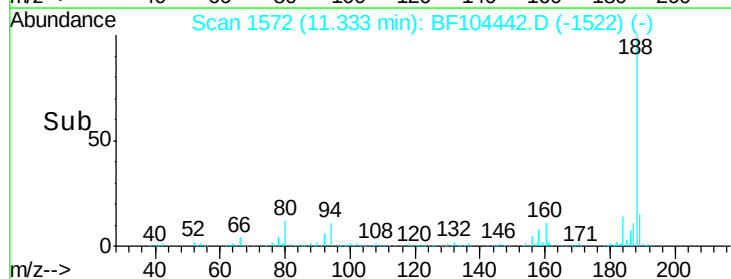
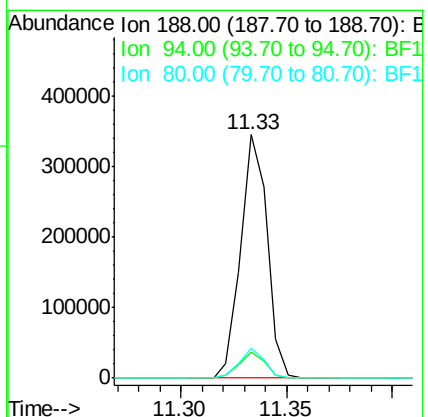
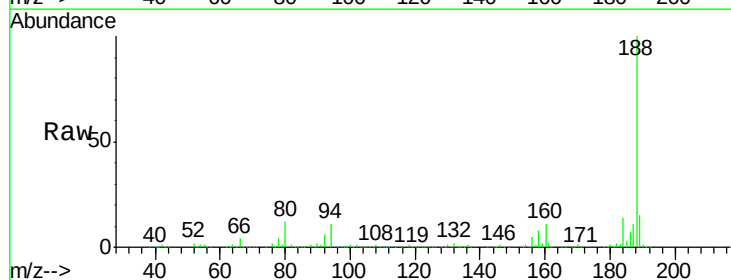
Instrument :
BNA_F
ClientSampleId :

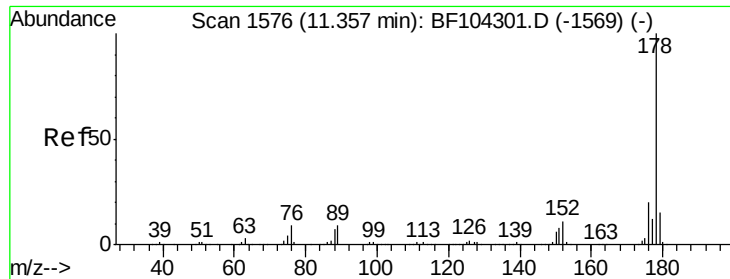
Tot Ion:165	Resp:	24119
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	1.7	57.8 86.6#
182	0.0	1.6 2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF104442.D
Acq: 11 Apr 2018 17:02

Tgt Ion:188	Resp:	300313
Ion Ratio	Lower	Upper
188	100	
94	10.9	8.5 12.7
80	12.1	9.2 13.8

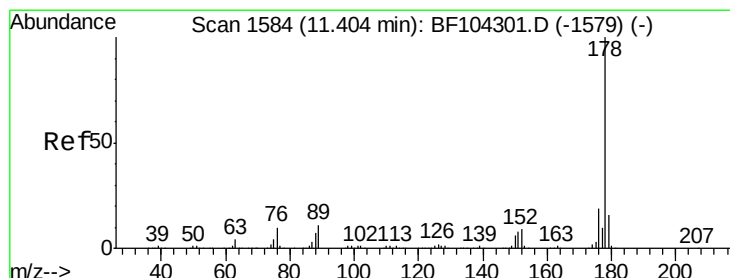
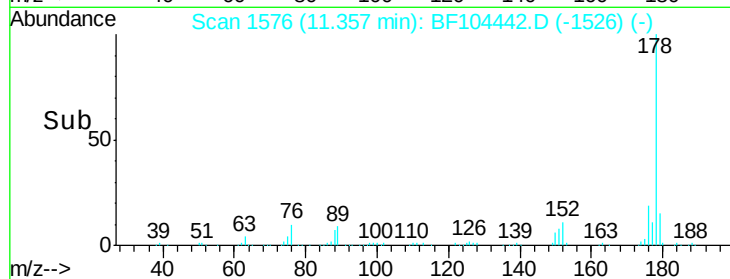
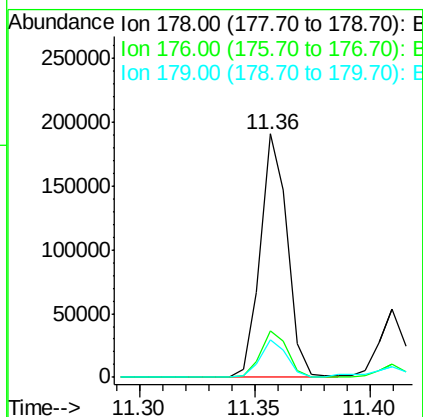
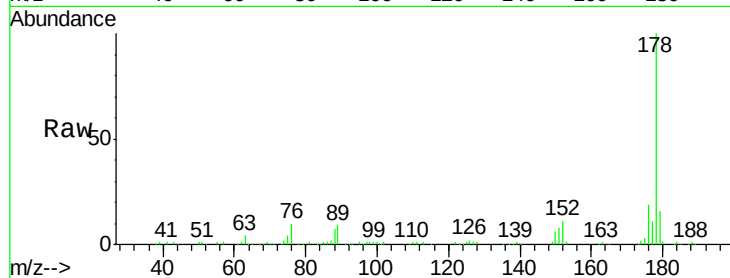




#70
Phenanthrene
Concen: 9.346 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104442.D
Acq: 11 Apr 2018 17:02

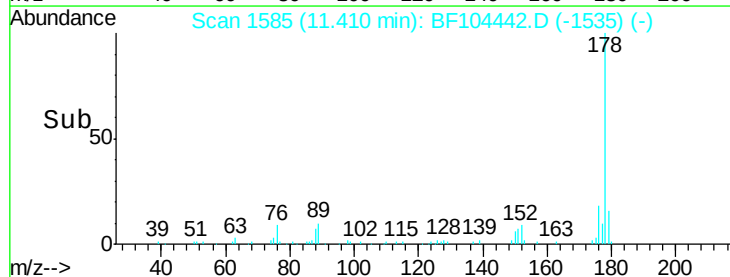
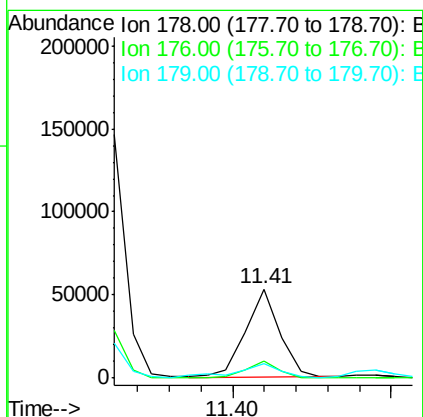
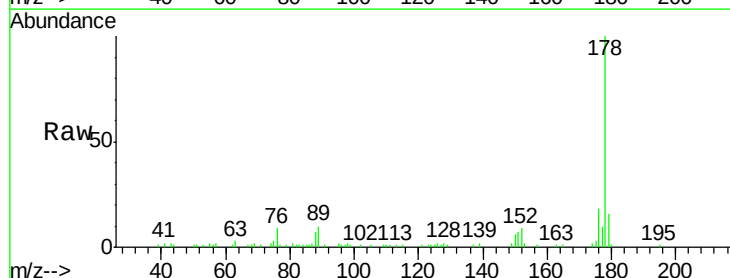
Instrument :
BNA_F
ClientSampled :

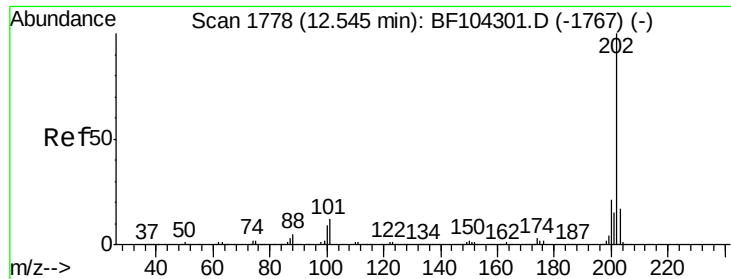
Tot Ion:178 Resp: 156301
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.6 13.0 19.6



#71
Anthracene
Concen: 2.311 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF104442.D
Acq: 11 Apr 2018 17:02

Tgt Ion:178 Resp: 39281
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.2
179 16.3 12.6 19.0





#74

Fluoranthene

Concen: 13.644 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF104442.D

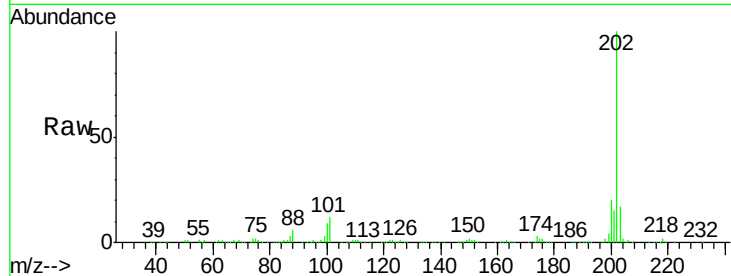
Acq: 11 Apr 2018 17:02

Instrument :

BNA_F

ClientSampleId :

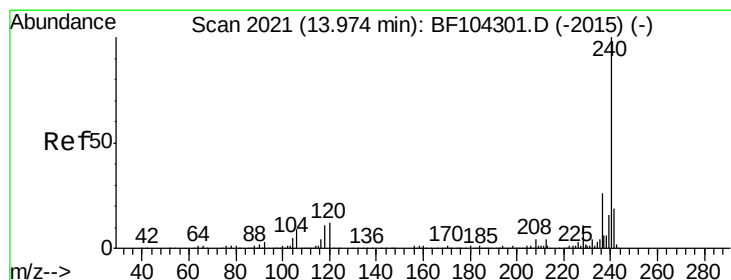
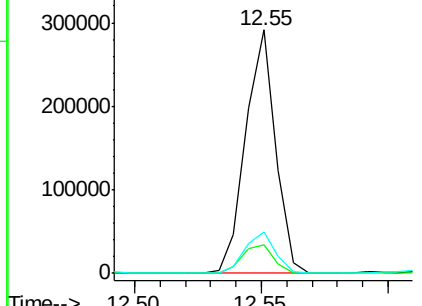
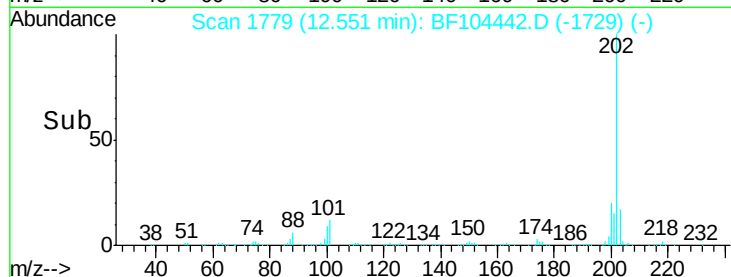
Tot Ion:	202	Resp:	238403
Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	34.1
203	17.2	0.0	38.1



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

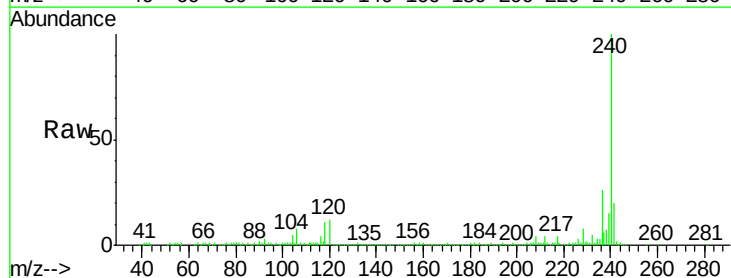
RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104442.D

Acq: 11 Apr 2018 17:02

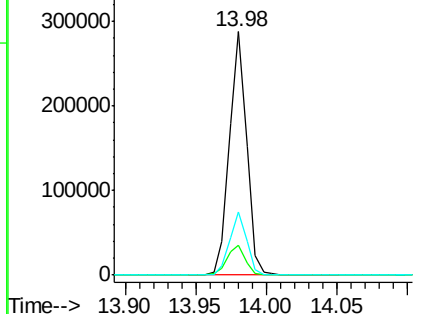
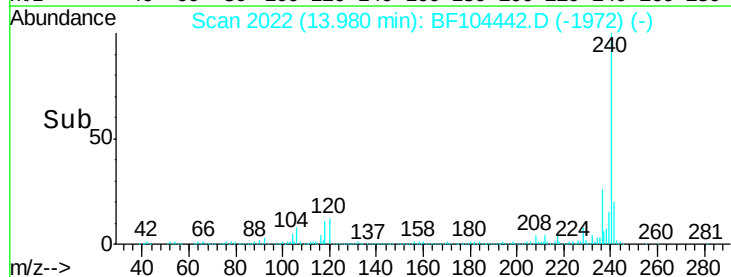
Tgt Ion:	240	Resp:	245377
Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.5	14.3
236	26.1	20.7	31.1

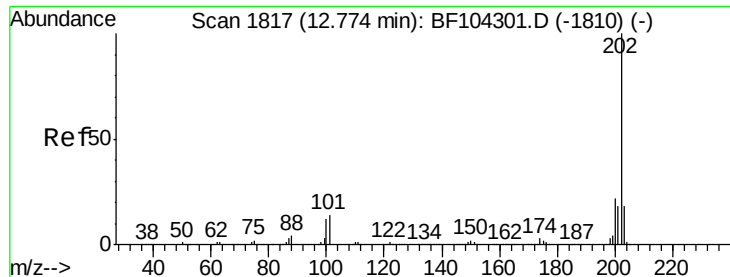


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 13.032 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF104442.D

Acq: 11 Apr 2018 17:02

Instrument :

BNA_F

ClientSampleId :

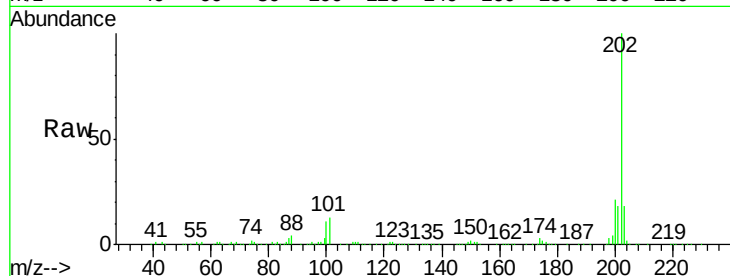
Tot Ion:202 Resp: 237020

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

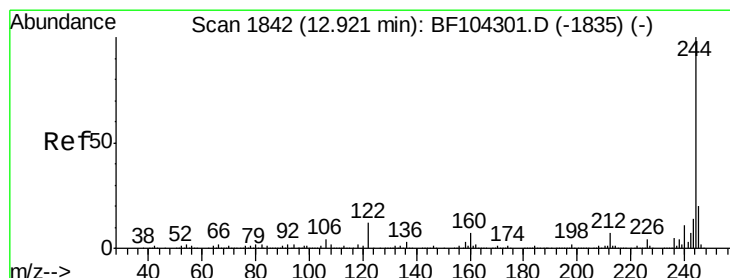
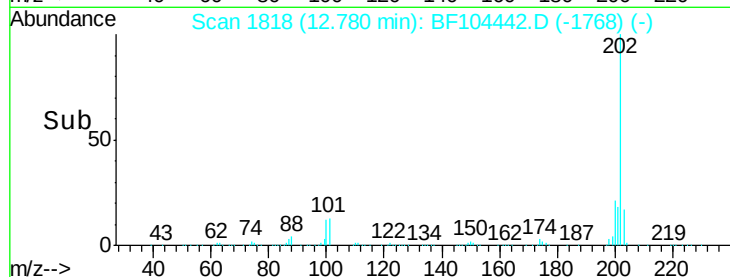
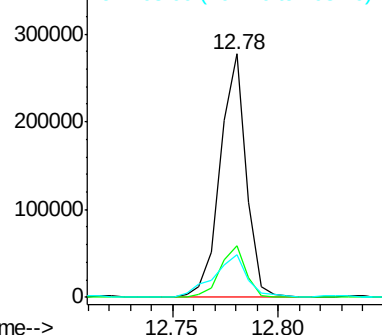
203 17.6 14.3 21.5



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: 56.636 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.00 min

Lab File: BF104442.D

Acq: 11 Apr 2018 17:02

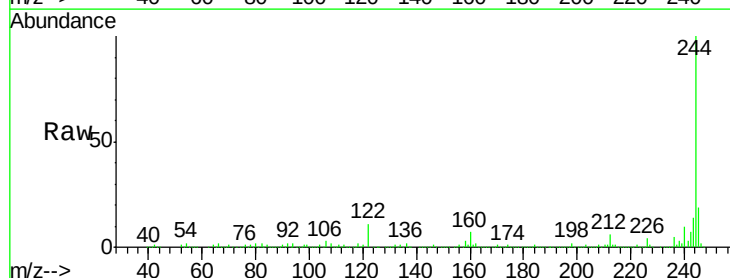
Tgt Ion:244 Resp: 609571

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

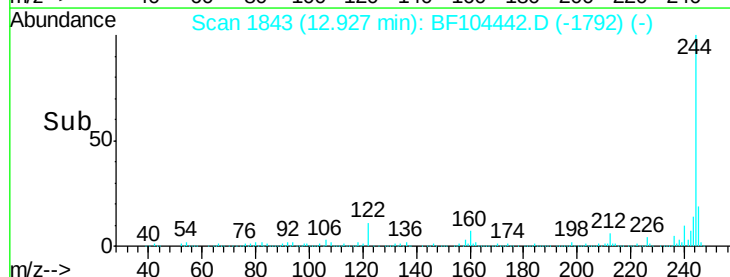
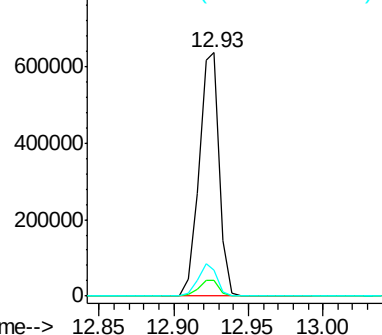
122 10.9 11.0 16.4

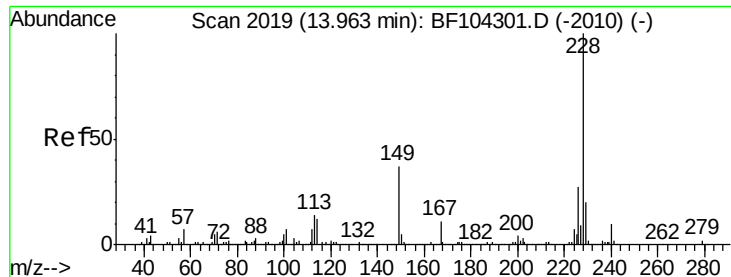


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

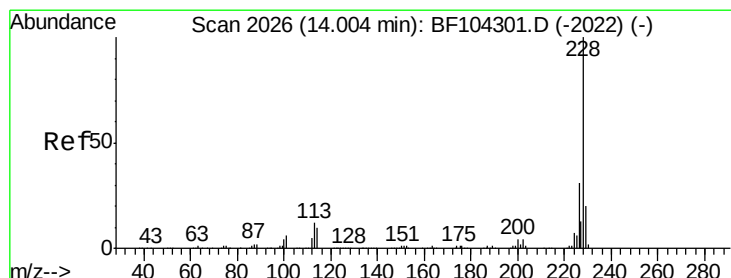
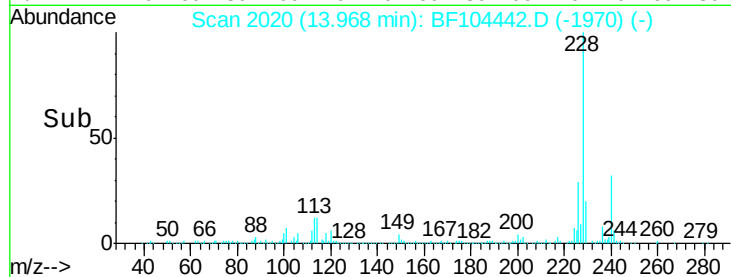
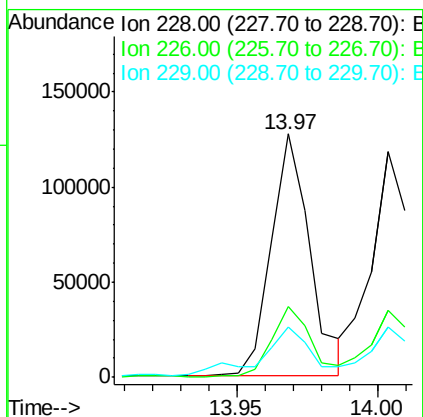
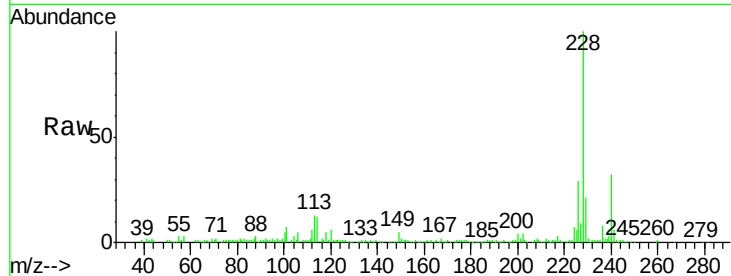




#80
Benzo(a)anthracene
Concen: 8.320 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104442.D
Acq: 11 Apr 2018 17:02

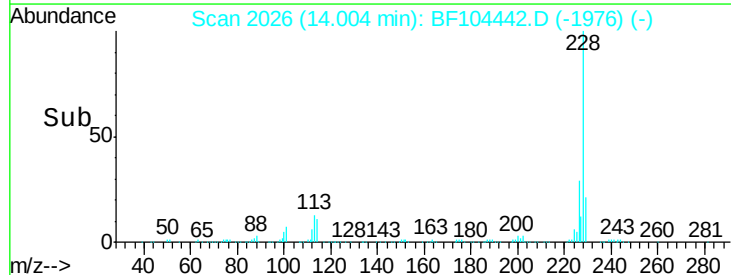
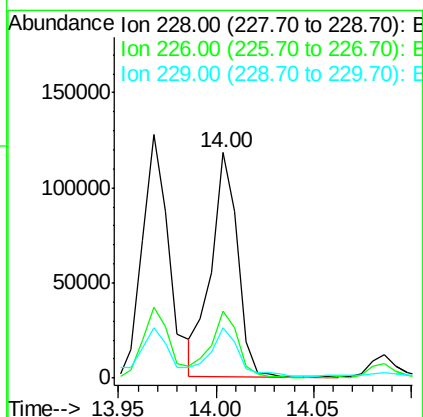
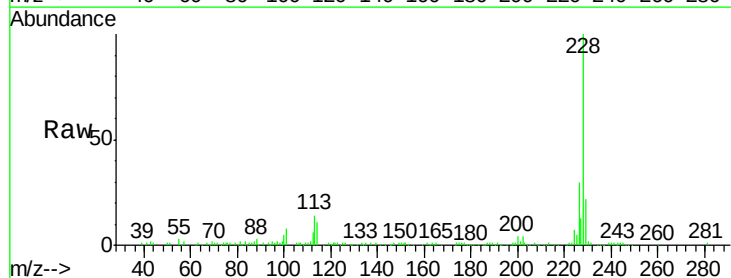
Instrument :
BNA_F
ClientSampleId :

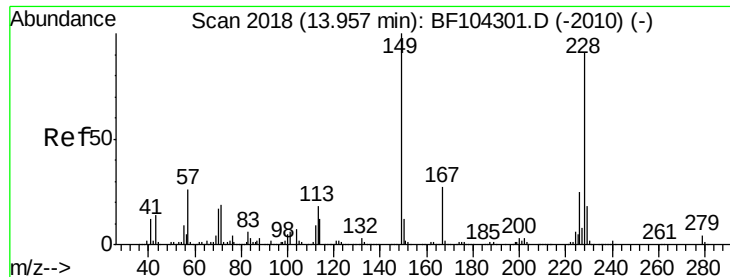
Tot Ion:228 Resp: 121957
Ion Ratio Lower Upper
228 100
226 29.1 22.6 33.8
229 20.6 15.8 23.6



#82
Chrysene
Concen: 7.369 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104442.D
Acq: 11 Apr 2018 17:02

Tgt Ion:228 Resp: 110961
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.6
229 22.1 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.293 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF104442.D

Acq: 11 Apr 2018 17:02

Instrument :

BNA_F

ClientSampleId :

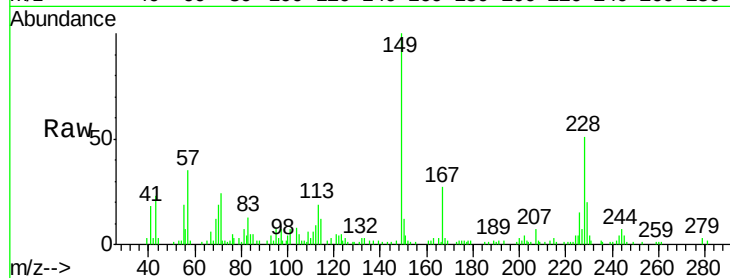
Tot Ion:149 Resp: 25274

Ion Ratio Lower Upper

149 100

167 27.3 21.3 31.9

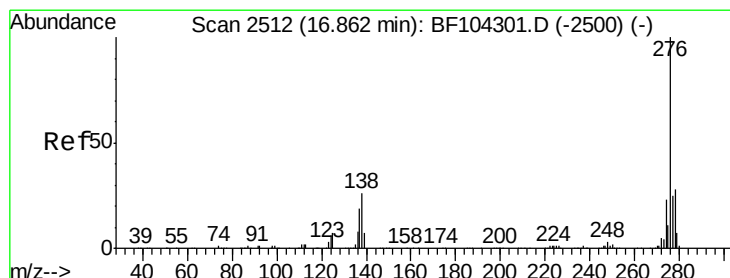
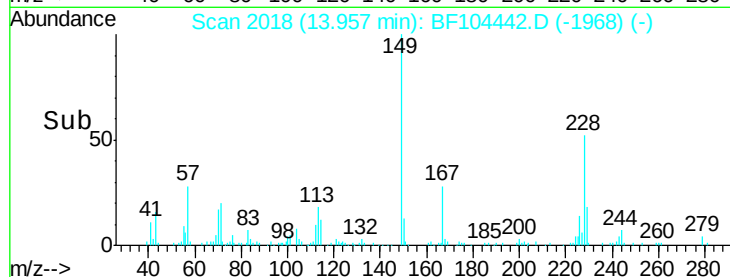
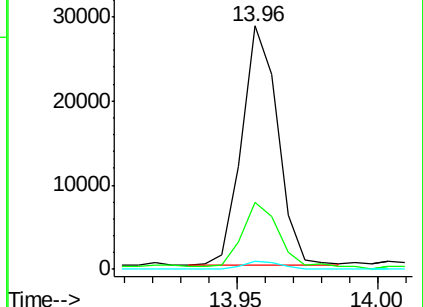
279 3.5 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.326 ng

RT: 16.89 min Scan# 2516

Delta R.T. -0.01 min

Lab File: BF104442.D

Acq: 11 Apr 2018 17:02

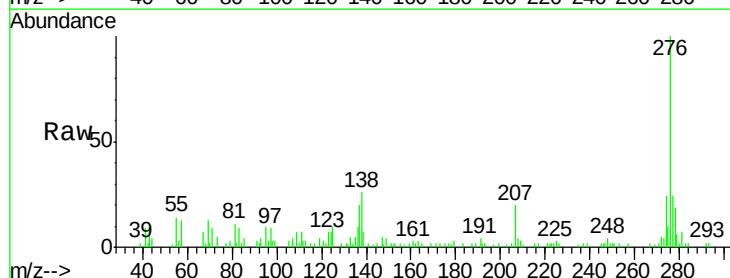
Tgt Ion:276 Resp: 42544

Ion Ratio Lower Upper

276 100

138 25.0 25.0 37.6#

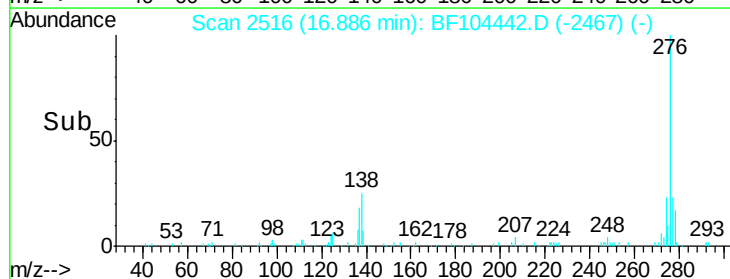
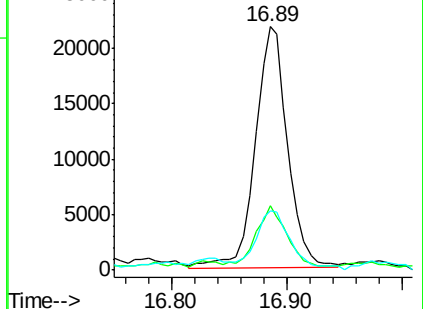
277 26.6 20.1 30.1

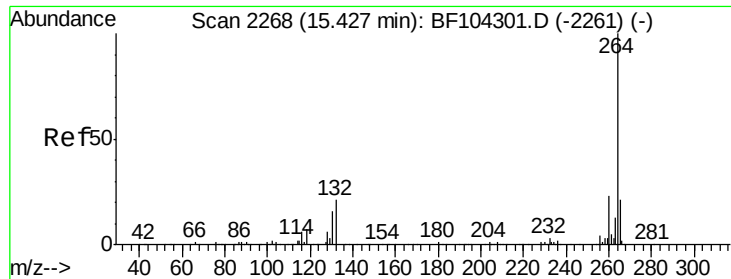


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

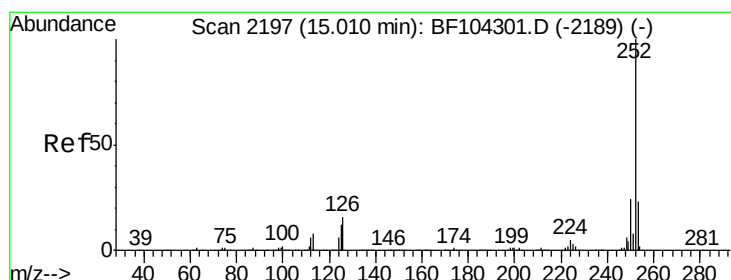
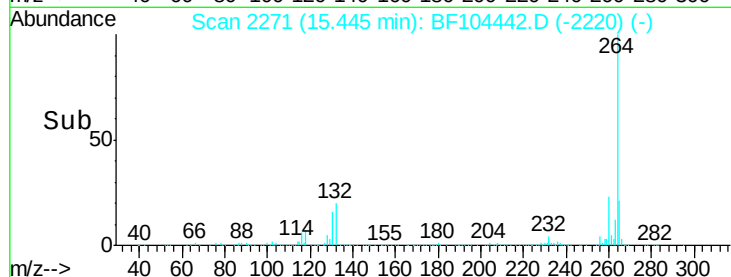
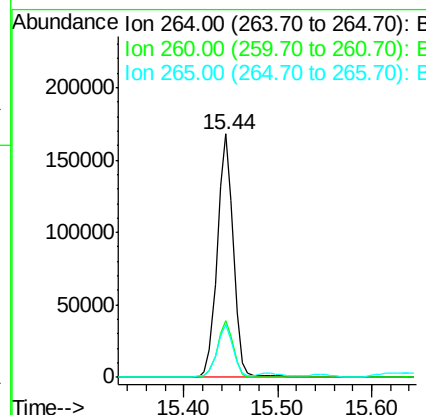
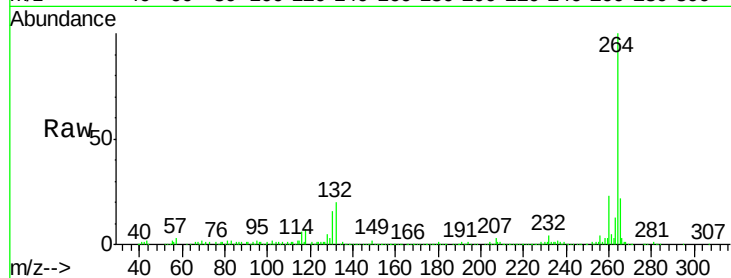




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF104442.D
Acq: 11 Apr 2018 17:02

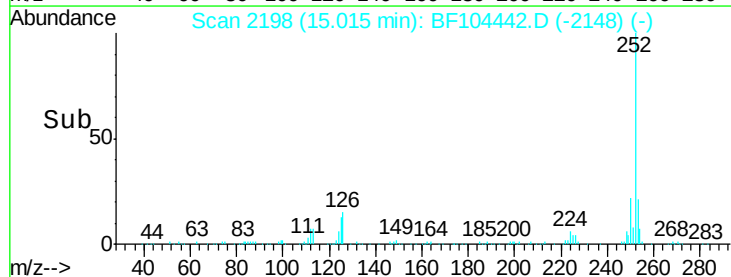
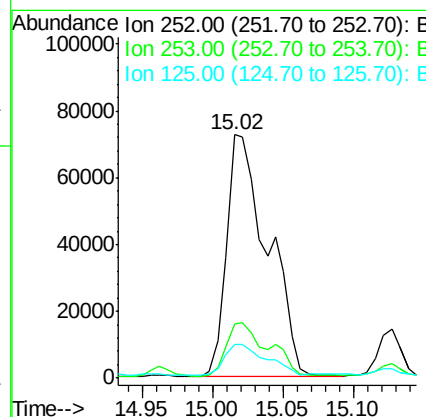
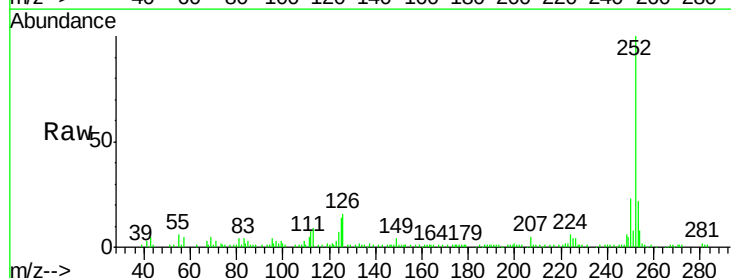
Instrument :
BNA_F
ClientSampleId :

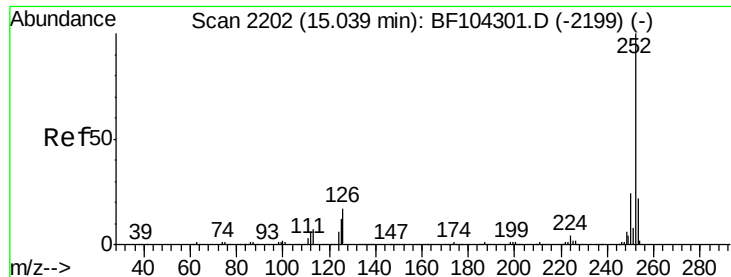
Tot Ion:264 Resp: 203725
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 21.7 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 11.514 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF104442.D
Acq: 11 Apr 2018 17:02

Tgt Ion:252 Resp: 148156
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 14.0 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 12.196 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.04 min

Lab File: BF104442.D

Acq: 11 Apr 2018 17:02

Instrument :

BNA_F

ClientSampleId :

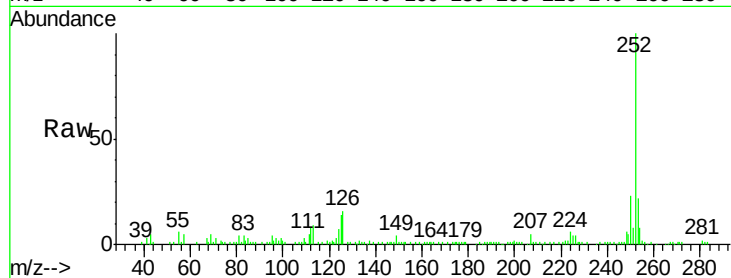
Tot Ion:252 Resp: 148156

Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

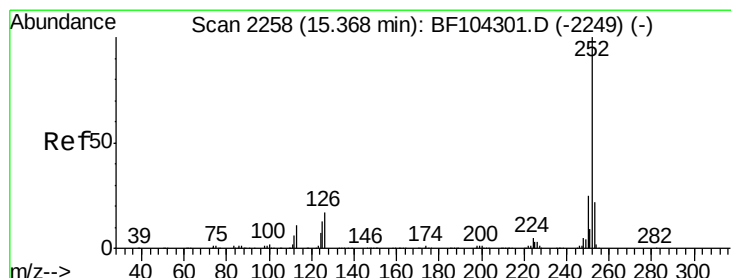
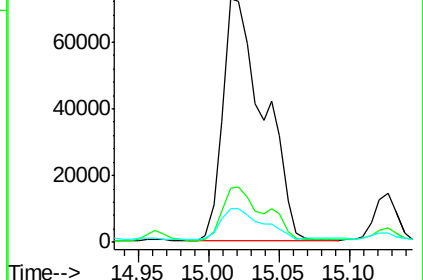
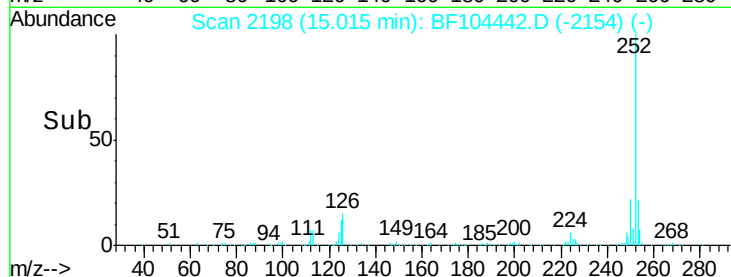
125 14.0 10.2 15.2



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: 6.571 ng

RT: 15.38 min Scan# 2260

Delta R.T. -0.01 min

Lab File: BF104442.D

Acq: 11 Apr 2018 17:02

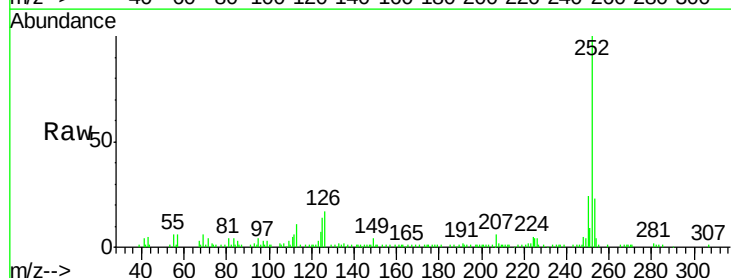
Tgt Ion:252 Resp: 75649

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

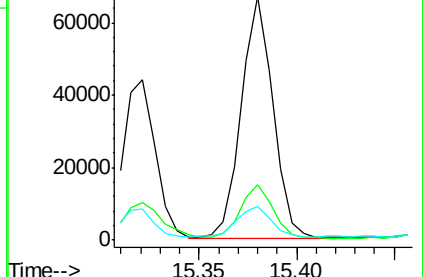
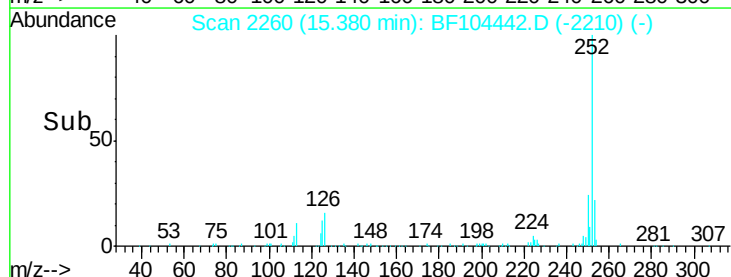
125 14.1 9.8 14.6

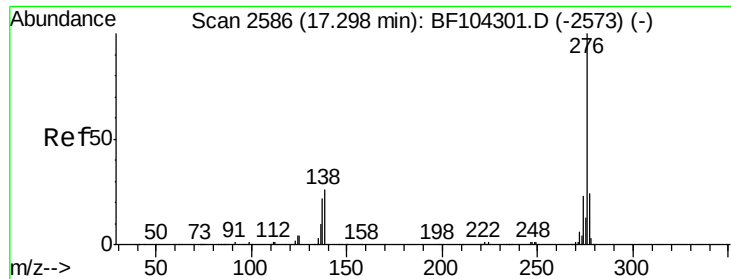


Abundance Ion 252.00 (251.70 to 252.70): E

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: 4.295 ng
 RT: 17.32 min Scan# 2590
 Delta R.T. -0.02 min
 Lab File: BF104442.D
 Acq: 11 Apr 2018 17:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.9	26.9
138	26.2	21.8	32.8

