

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041118\
 Data File : BF104435.D
 Acq On : 11 Apr 2018 13:56
 Operator : JU/SJ
 Sample : J2325-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 11 15:51:54 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 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	131701	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	521718	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	223993	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	368725	20.00	ng	0.00
75) Chrysene-d12	13.98	240	256989	20.00	ng	0.00
86) Perylene-d12	15.45	264	270492	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	705149	81.87	ng	0.01
7) Phenol-d6	6.44	99	837143	79.10	ng	0.00
23) Nitrobenzene-d5	7.37	82	516852	64.69	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	191673	82.49	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	879706	62.04	ng	0.00
78) Terphenyl-d14	12.92	244	661099	58.65	ng	0.00

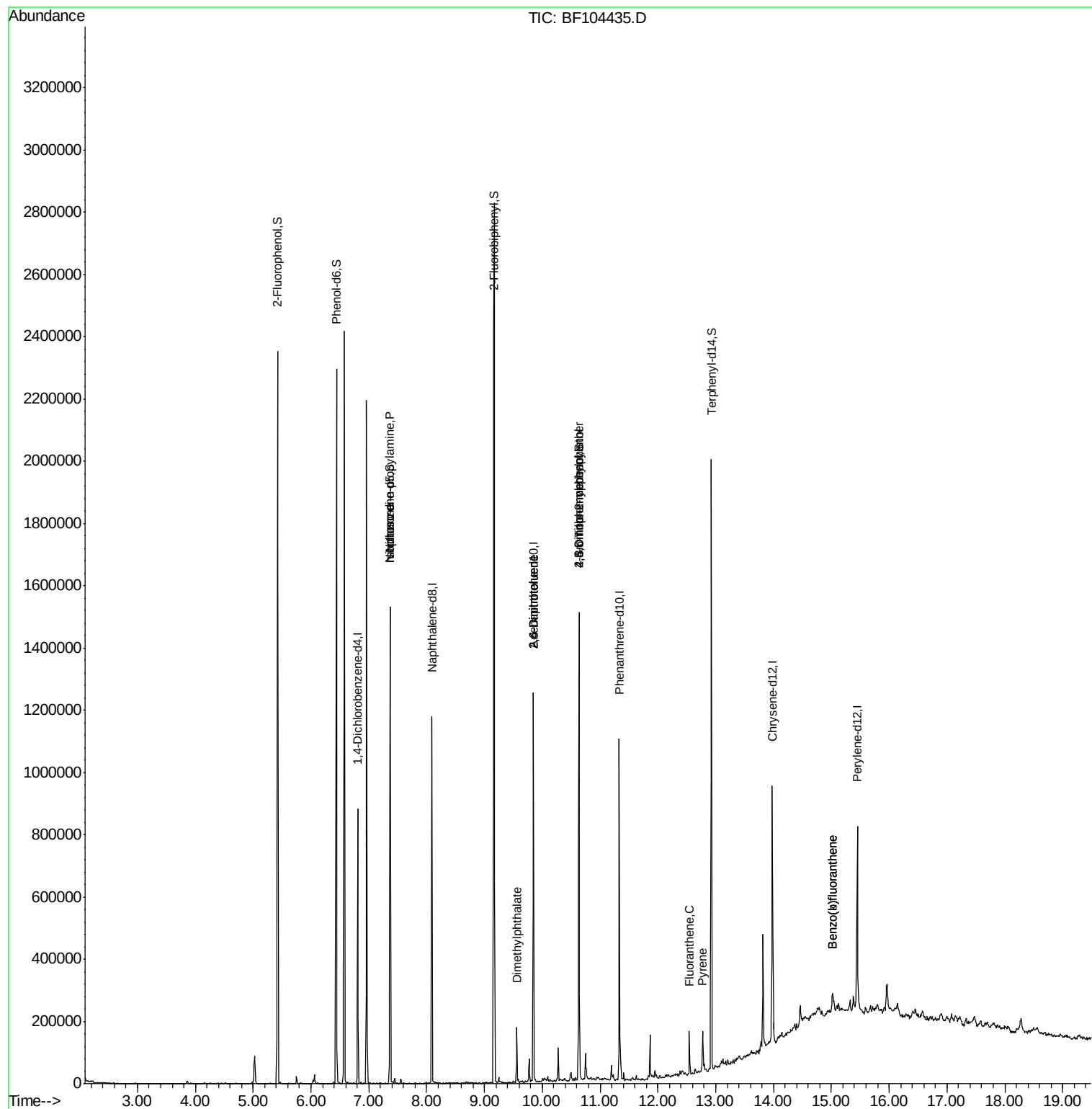
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.44	77	1375	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.37	70	66660	9.639	ng	# 75
25) Isophorone	7.37	82	514807	30.470	ng	# 64
49) Dimethylphthalate	9.56	163	61386	3.475	ng	# 99
50) 2,6-Dinitrotoluene	9.85	165	28553	8.736	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	28553	6.660	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	313	7.495	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	11675	2.977	ng	# 1
74) Fluoranthene	12.54	202	52992	2.470	ng	# 98
76) Benzidine	12.92	184	8749	Below Cal		# 98
77) Pyrene	12.77	202	48914	2.568	ng	# 98
87) Benzo(b)fluoranthene	15.02	252	40767	2.386	ng	# 85
88) Benzo(k)fluoranthene	15.02	252	40767	2.528	ng	# 87

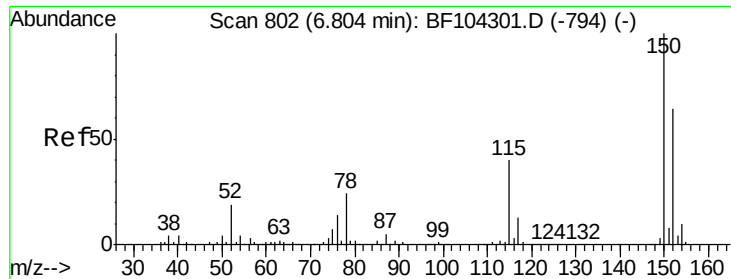
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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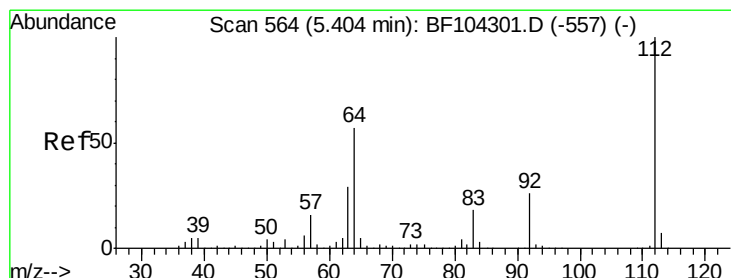
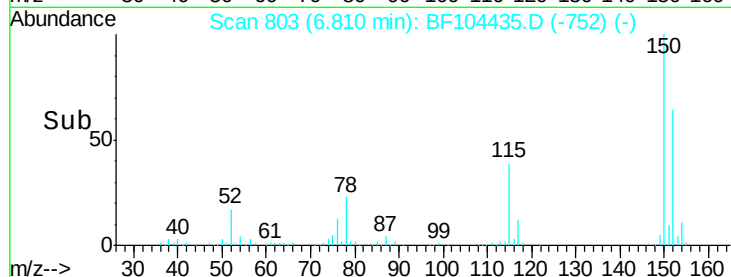
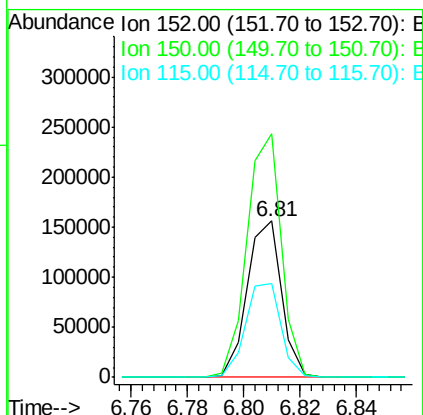
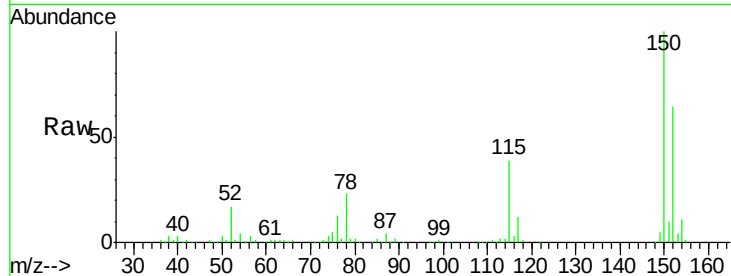


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104435.D
Acq: 11 Apr 2018 13:56

Instrument :
BNA_F
ClientSampleId :

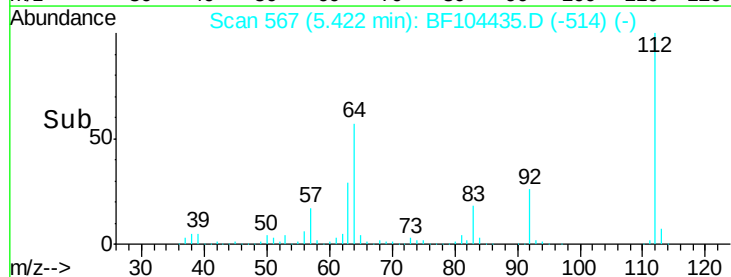
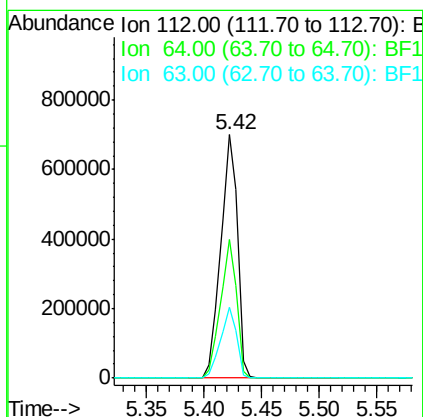
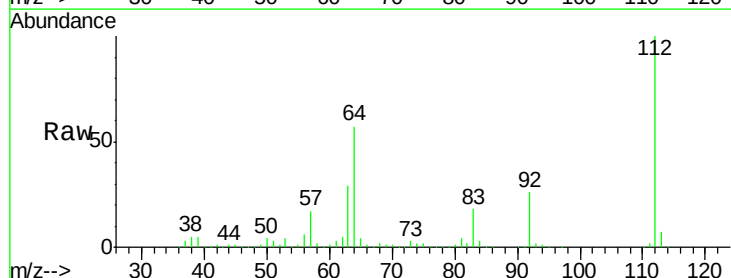
Tot Ion:152 Resp: 131701
Ion Ratio Lower Upper
152 100
150 155.6 124.6 186.8
115 60.1 50.1 75.1

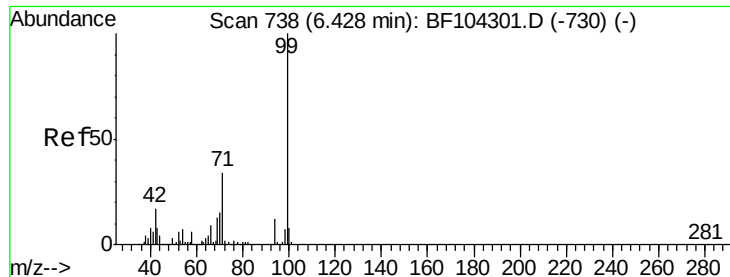


#5

2-Fluorophenol
Concen: 81.868 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104435.D
Acq: 11 Apr 2018 13:56

Tgt Ion:112 Resp: 705149
Ion Ratio Lower Upper
112 100
64 56.8 47.9 71.9
63 28.8 23.7 35.5





#7

Phenol-d6

Concen: 79.104 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF104435.D

Acq: 11 Apr 2018 13:56

Instrument :

BNA_F

ClientSampled :

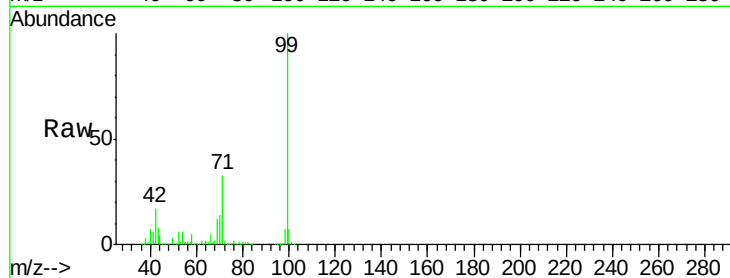
Tot Ion: 99 Resp: 837143

Ion Ratio Lower Upper

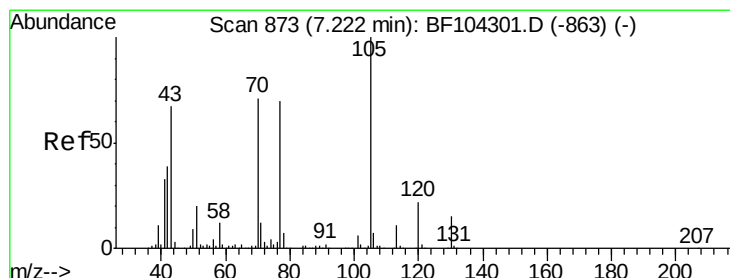
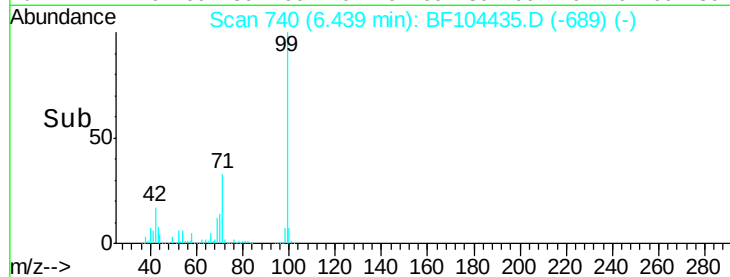
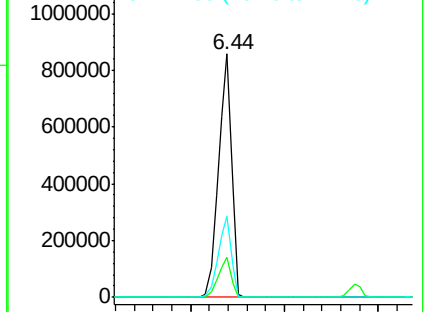
99 100

42 16.6 14.5 21.7

71 33.2 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



#19

n-Nitroso-di-n-propylamine

Concen: 9.639 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF104435.D

Acq: 11 Apr 2018 13:56

Tgt Ion: 70 Resp: 66660

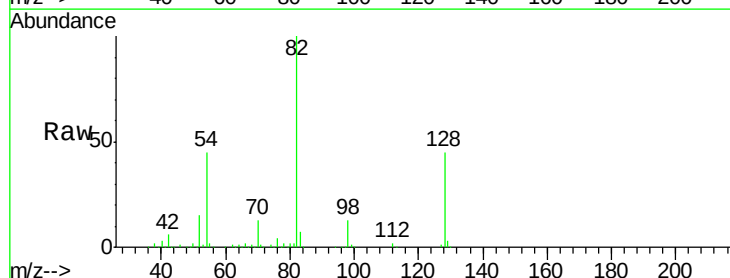
Ion Ratio Lower Upper

70 100

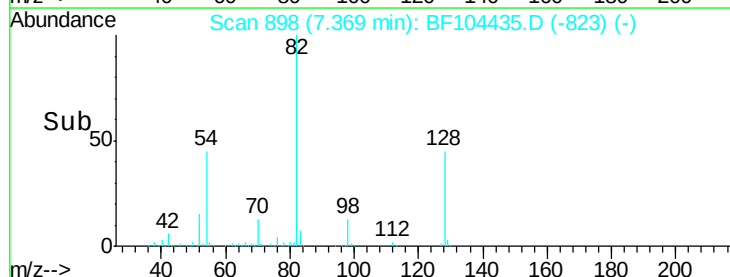
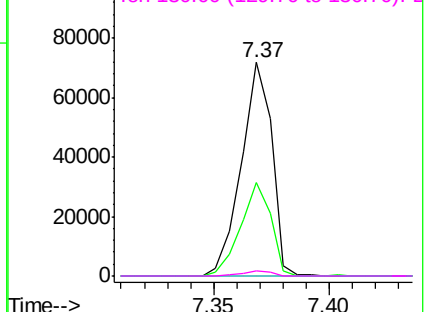
42 44.1 47.5 71.3#

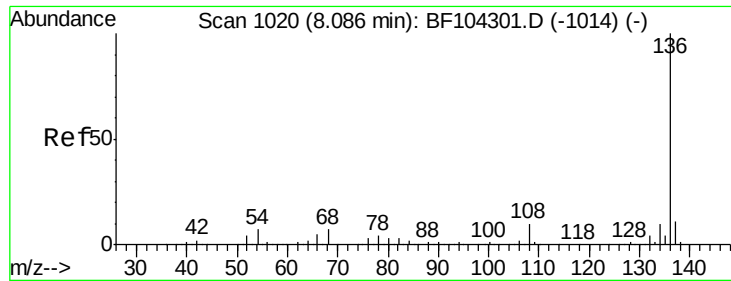
101 0.0 7.4 11.2#

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): BF1
Ion 130.00 (129.70 to 130.70): BF1

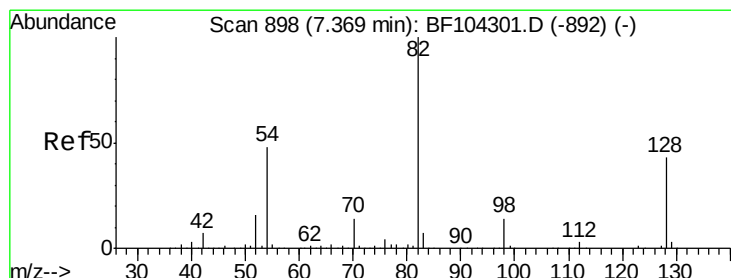
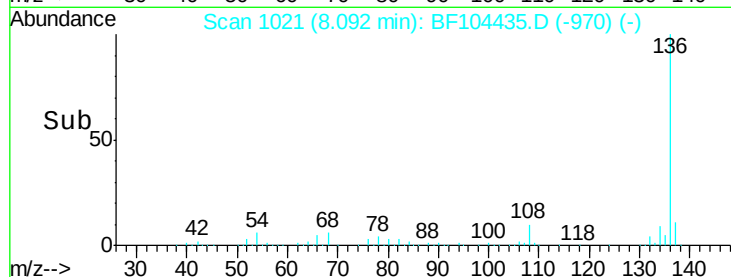
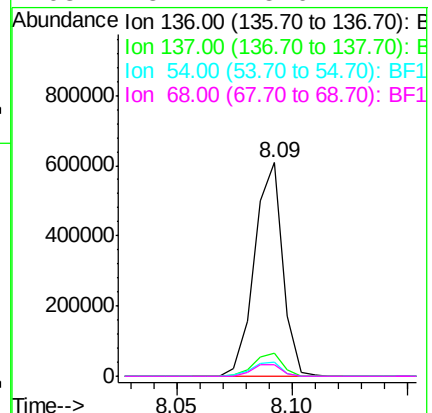
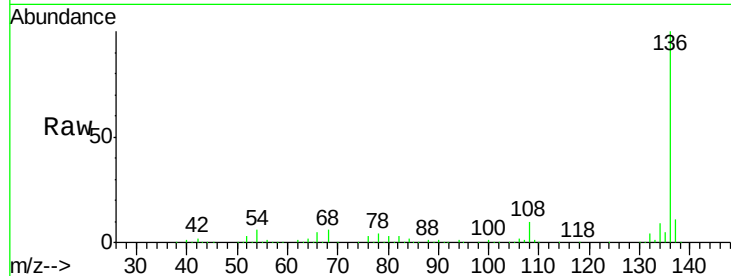




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF104435.D
Acq: 11 Apr 2018 13:56

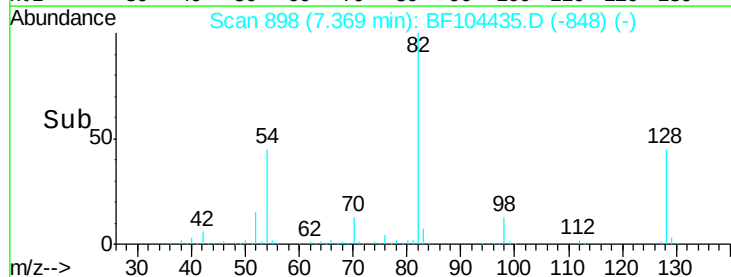
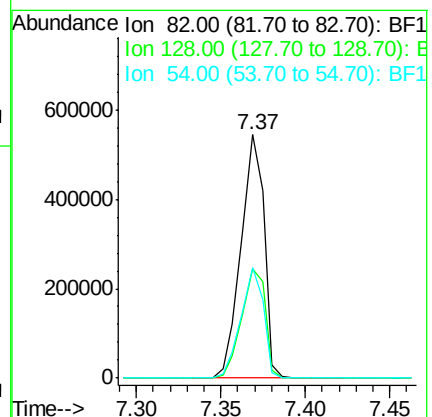
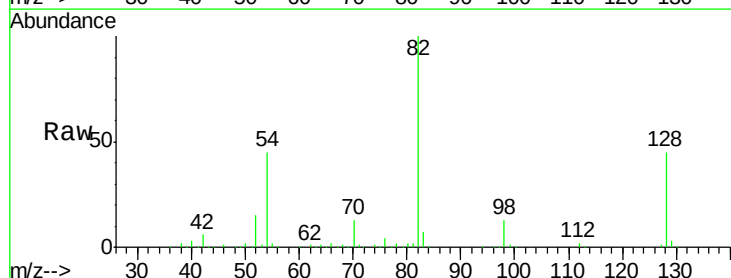
Instrument :
BNA_F
ClientSampleId :

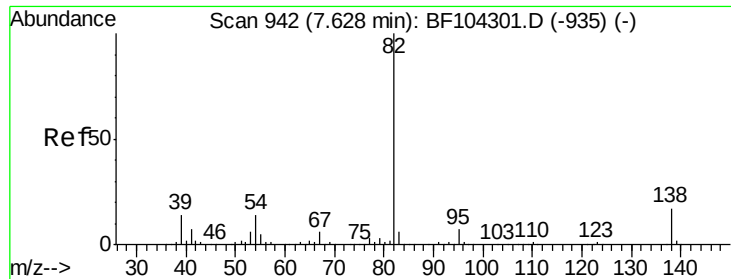
Tot Ion:136	Resp:	521718
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	6.4	6.6 9.8#
68	5.7	5.0 7.4



#23
Nitrobenzene-d5
Concen: 64.689 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104435.D
Acq: 11 Apr 2018 13:56

Tgt Ion: 82	Resp:	516852
Ion Ratio	Lower	Upper
82	100	
128	45.1	36.1 54.1
54	45.3	41.4 62.2





#25

Isophorone

Concen: 30.470 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104435.D

Acq: 11 Apr 2018 13:56

Instrument :

BNA_F

ClientSampleId :

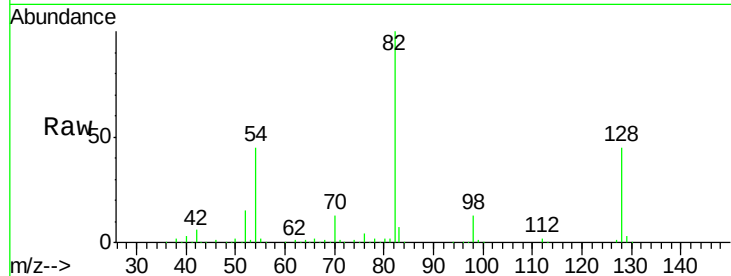
Tot Ion: 82 Resp: 514807

Ion Ratio Lower Upper

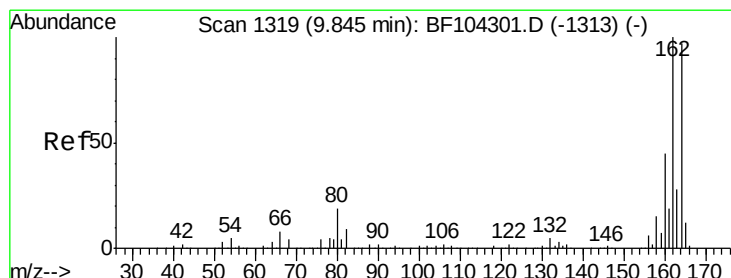
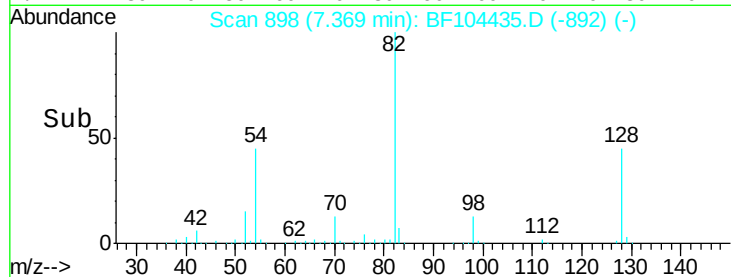
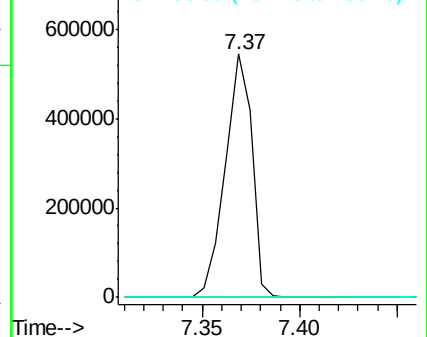
82 100

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: BF104435.D

Acq: 11 Apr 2018 13:56

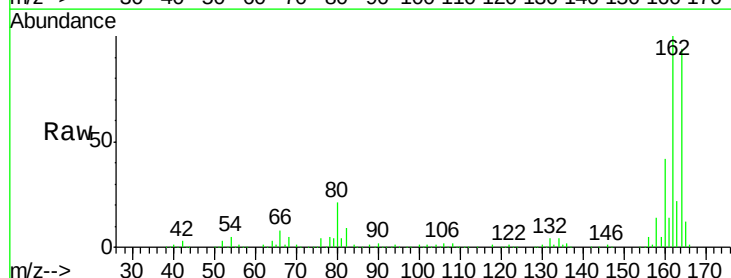
Tgt Ion:164 Resp: 223993

Ion Ratio Lower Upper

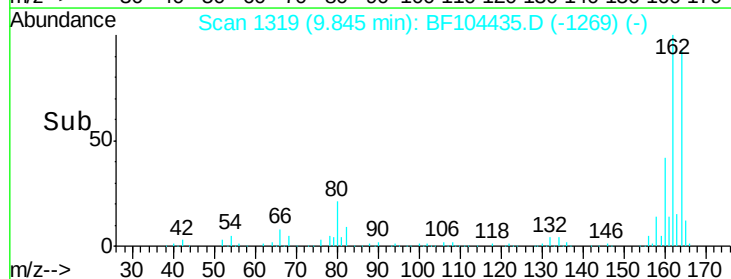
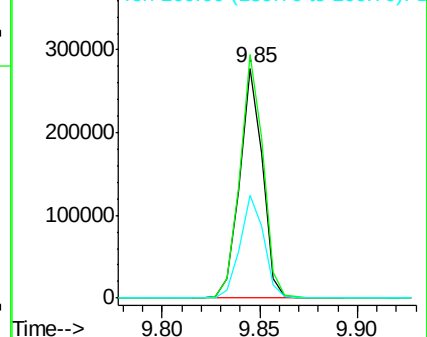
164 100

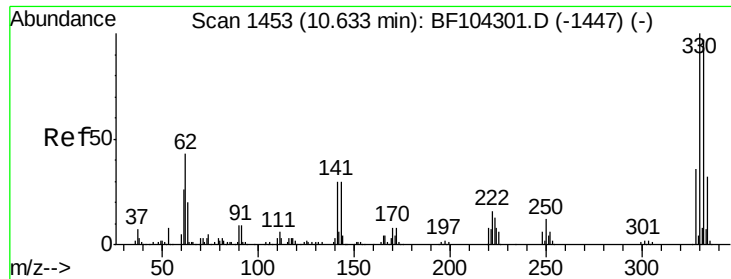
162 106.1 86.1 129.1

160 45.0 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: 82.492 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.00 min

Lab File: BF104435.D

Acq: 11 Apr 2018 13:56

Instrument :

BNA_F

ClientSampleId :

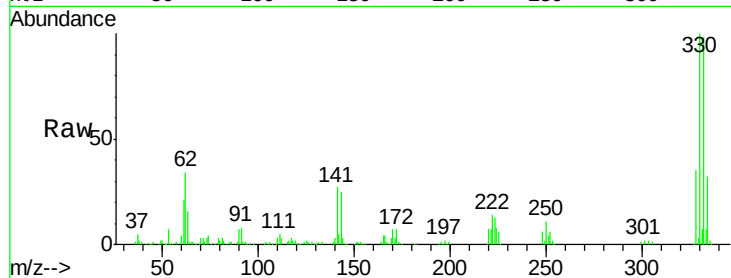
Tot Ion:330 Resp: 191673

Ion Ratio Lower Upper

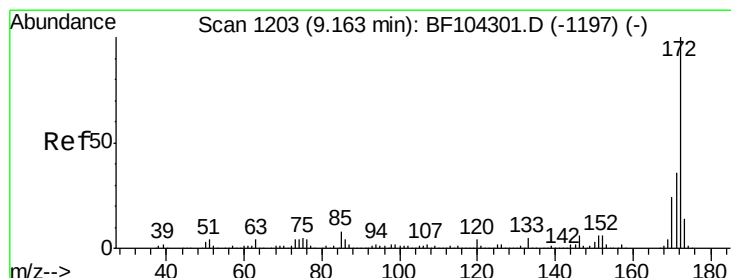
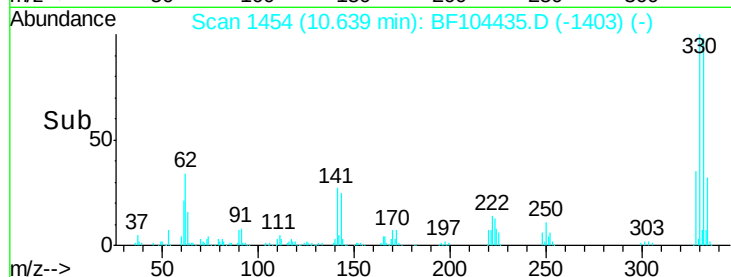
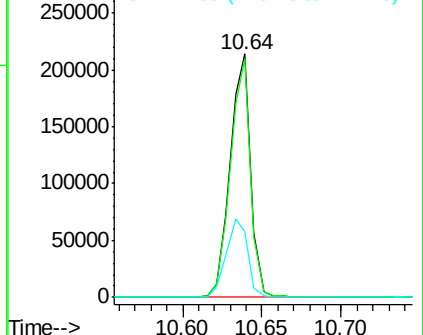
330 100

332 96.5 77.0 115.6

141 33.9 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: 62.043 ng

RT: 9.17 min Scan# 1204

Delta R.T. 0.00 min

Lab File: BF104435.D

Acq: 11 Apr 2018 13:56

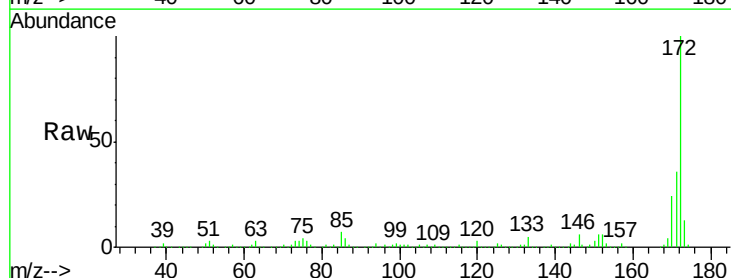
Tgt Ion:172 Resp: 879706

Ion Ratio Lower Upper

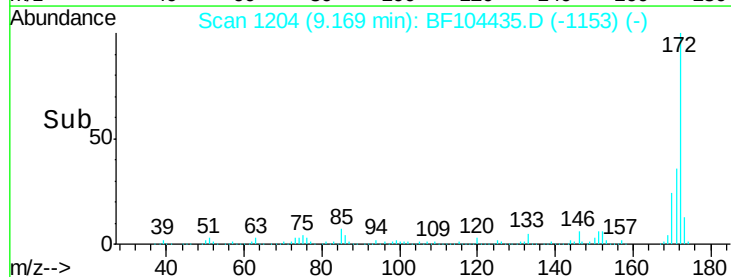
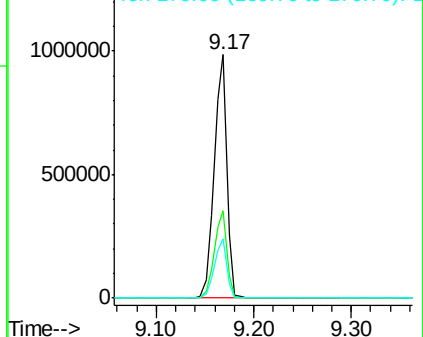
172 100

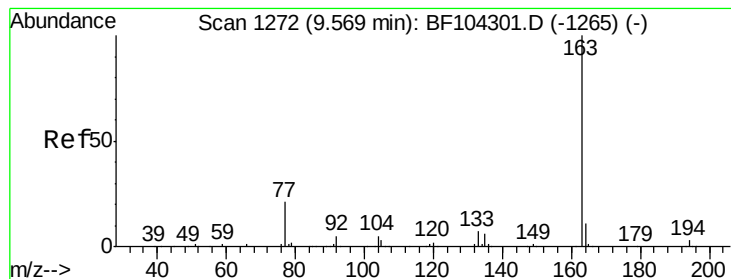
171 35.9 29.7 44.5

170 24.3 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: 3.475 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF104435.D

Acq: 11 Apr 2018 13:56

Instrument :

BNA_F

ClientSampleId :

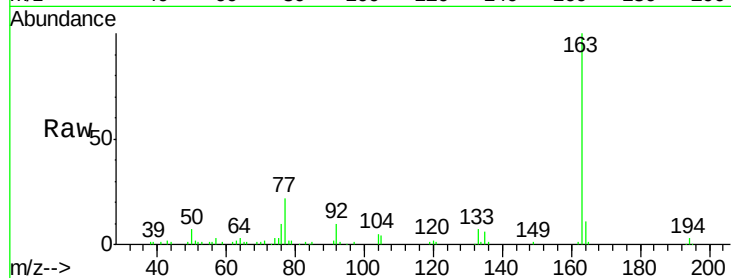
Tot Ion:163 Resp: 61386

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

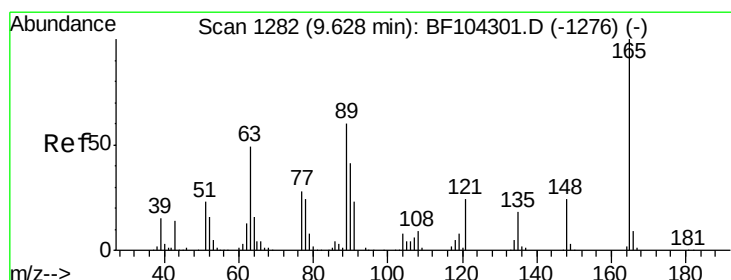
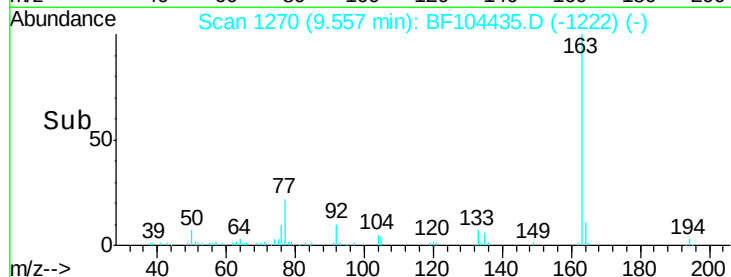
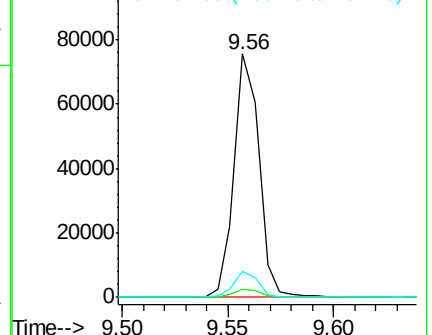
164 10.8 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 8.736 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.21 min

Lab File: BF104435.D

Acq: 11 Apr 2018 13:56

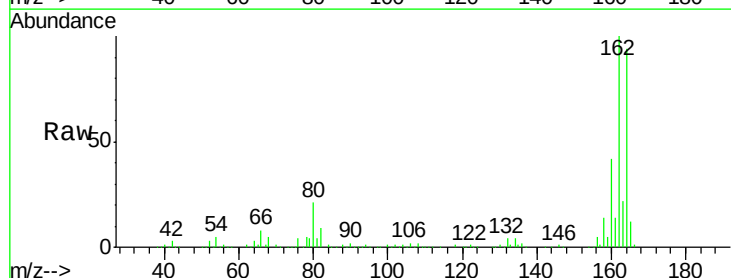
Tgt Ion:165 Resp: 28553

Ion Ratio Lower Upper

165 100

63 1.4 44.7 67.1#

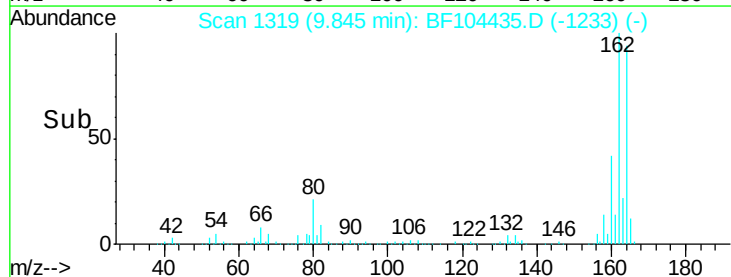
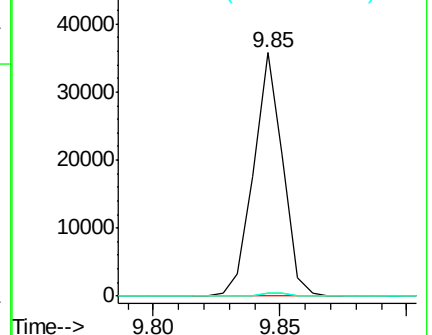
89 1.2 44.0 66.0#

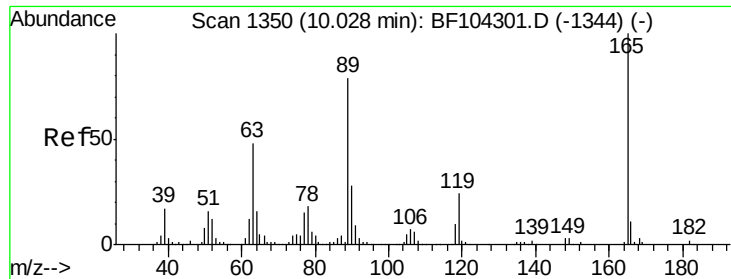


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

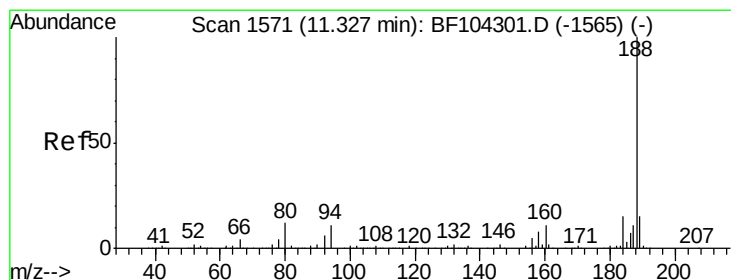
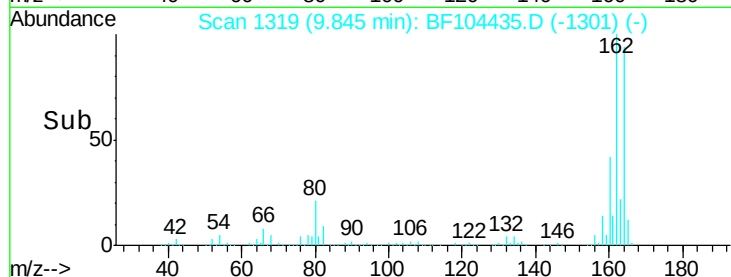
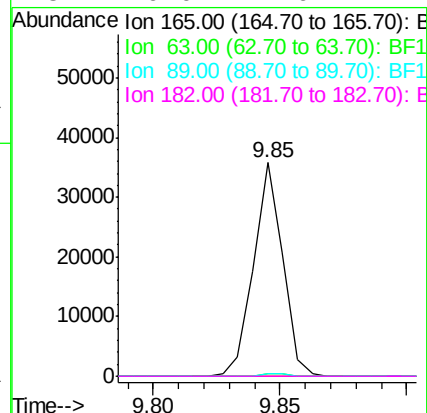
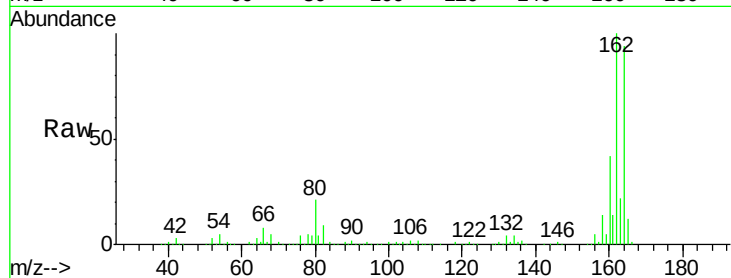




#56
2,4-Dinitrotoluene
Concen: 6.660 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.19 min
Lab File: BF104435.D
Acq: 11 Apr 2018 13:56

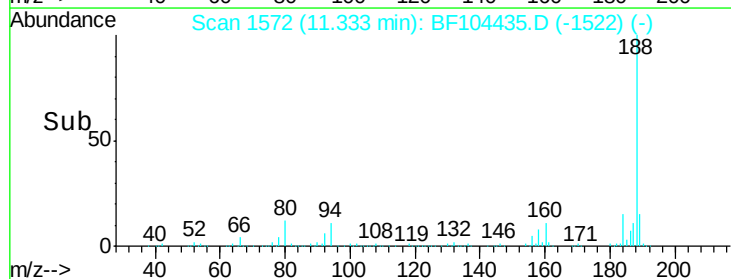
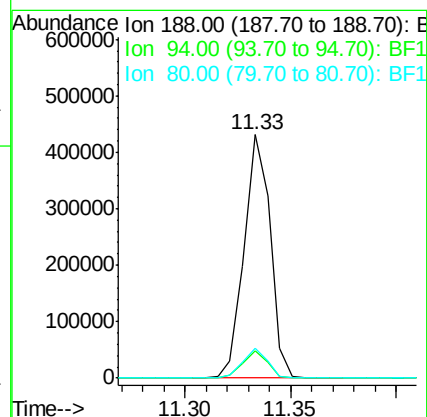
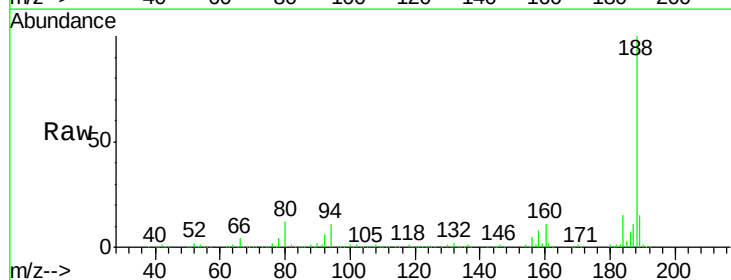
Instrument :
BNA_F
ClientSampleId :

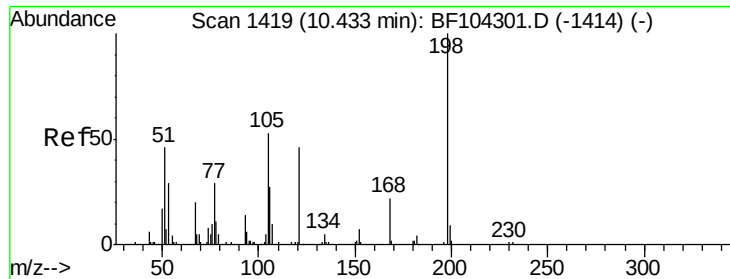
Tot Ion:	165	Resp:	28553
Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF104435.D
Acq: 11 Apr 2018 13:56

Tgt Ion:	188	Resp:	368725
Ion	Ratio	Lower	Upper
188	100		
94	11.4	8.5	12.7
80	12.4	9.2	13.8

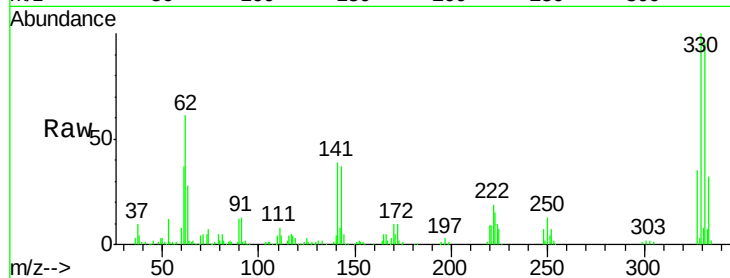




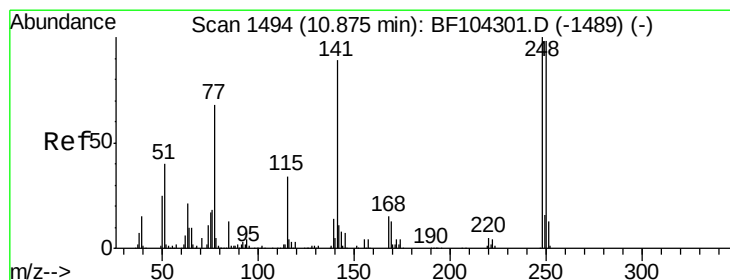
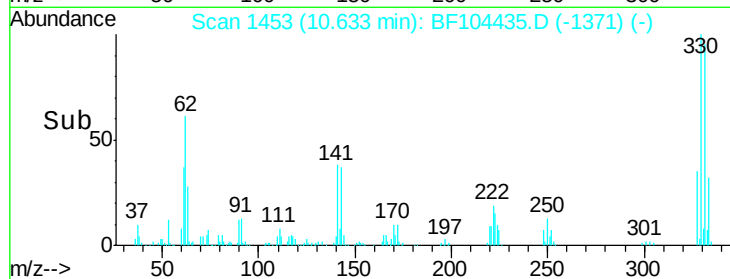
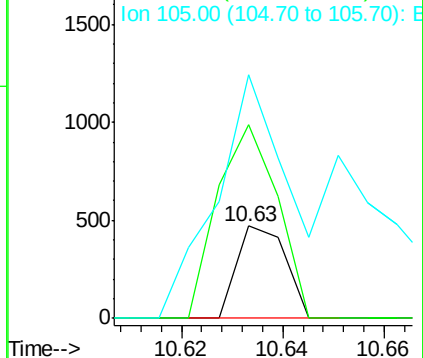
#64
4,6-Dinitro-2-methylphenol
Concen: 7.495 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104435.D
Acq: 11 Apr 2018 13:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 313
Ion Ratio Lower Upper
198 100
51 210.0 37.7 77.7#
105 264.3 36.3 76.3#

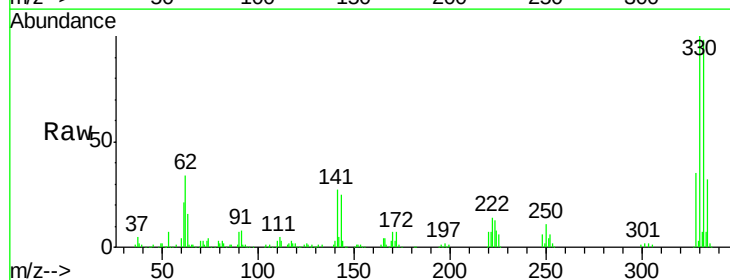


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

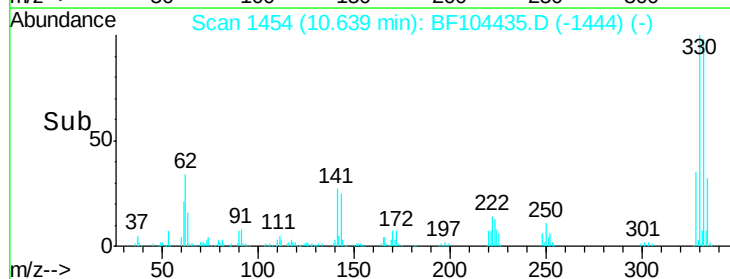
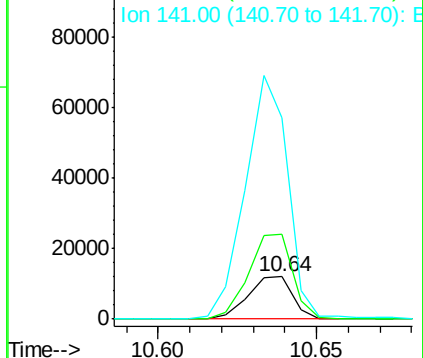


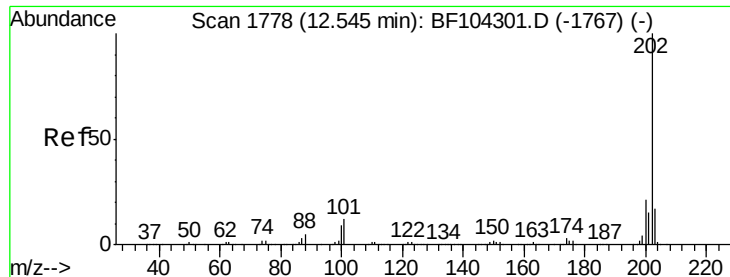
#66
4-Bromophenyl-phenylether
Concen: 2.977 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF104435.D
Acq: 11 Apr 2018 13:56

Tgt Ion:248 Resp: 11675
Ion Ratio Lower Upper
248 100
250 200.7 76.9 115.3#
141 474.7 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





#74

Fluoranthene

Concen: 2.470 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104435.D

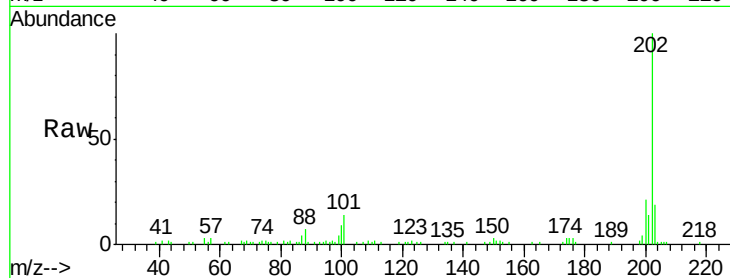
Acq: 11 Apr 2018 13:56

Instrument :

BNA_F

ClientSampleId :

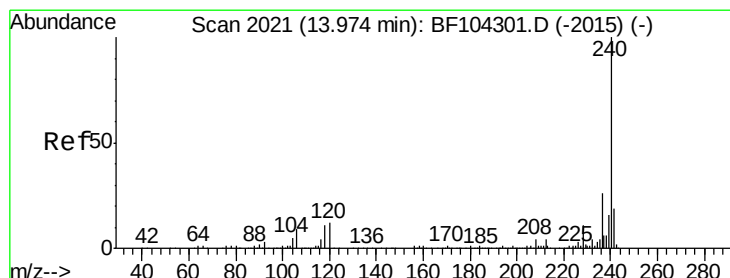
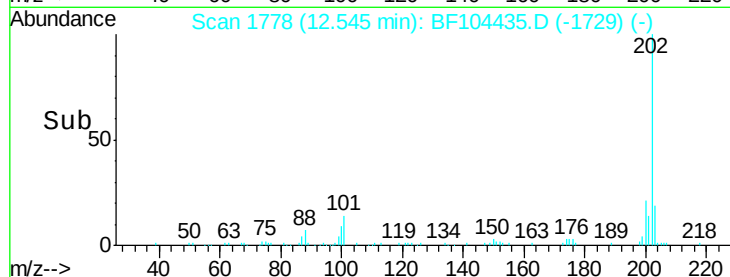
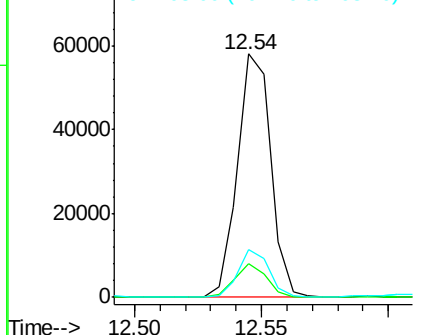
Tot Ion:	202	Resp:	52992
Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	34.1
203	19.4	0.0	38.1



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

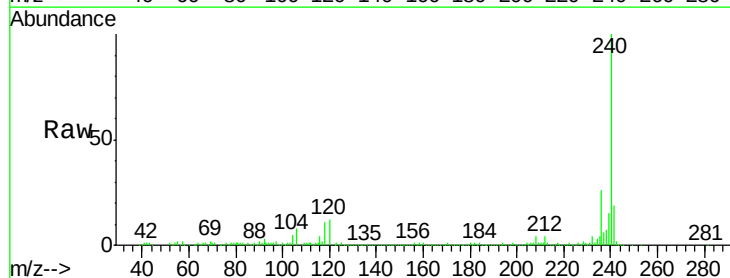
RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104435.D

Acq: 11 Apr 2018 13:56

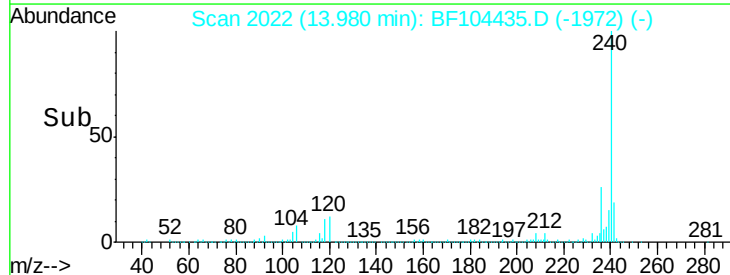
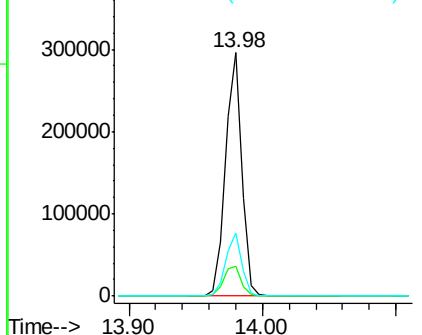
Tgt Ion:	240	Resp:	256989
Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.5	14.3
236	25.7	20.7	31.1

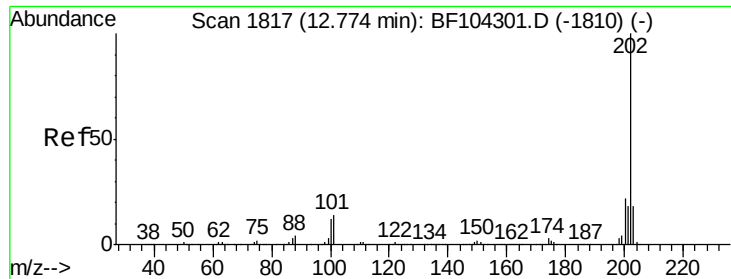


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.568 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104435.D

Acq: 11 Apr 2018 13:56

Instrument :

BNA_F

ClientSampleId :

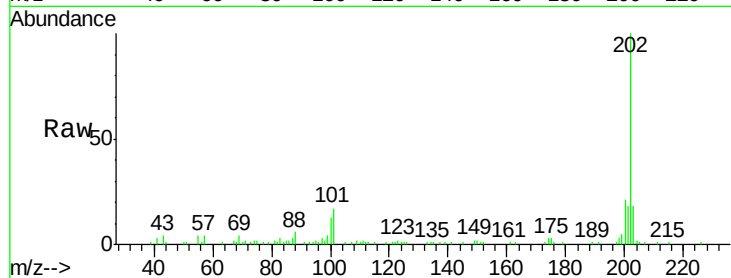
Tot Ion:202 Resp: 48914

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

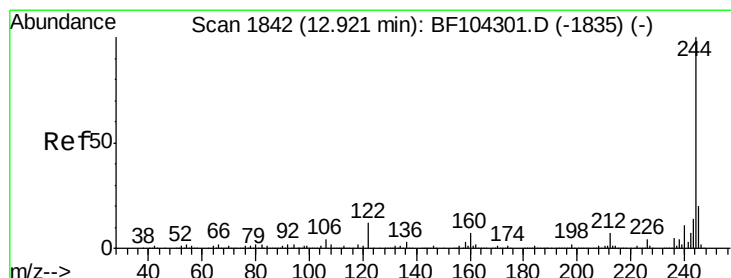
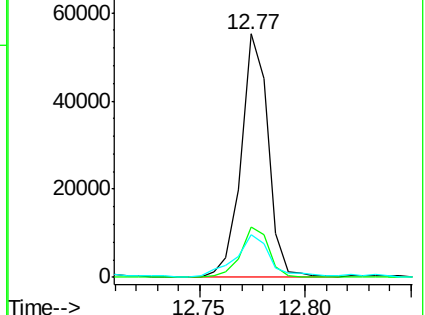
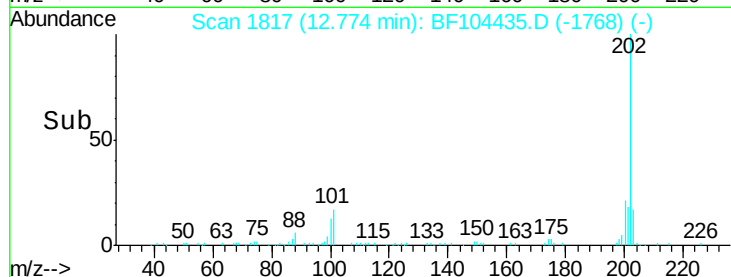
203 17.6 14.3 21.5



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: 58.648 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF104435.D

Acq: 11 Apr 2018 13:56

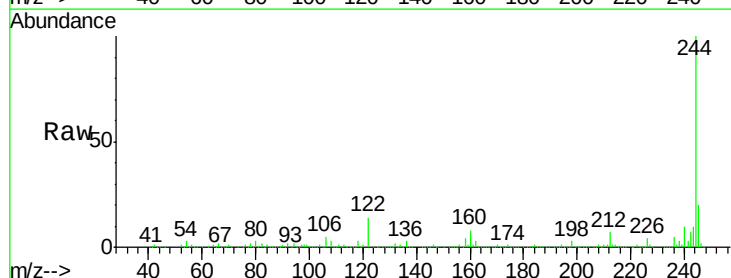
Tgt Ion:244 Resp: 661099

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

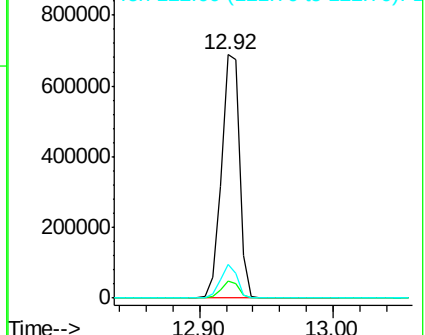
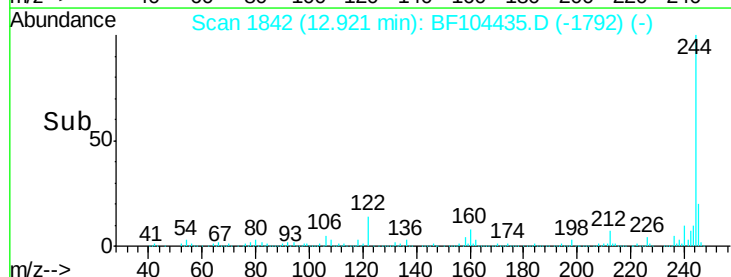
122 13.6 11.0 16.4

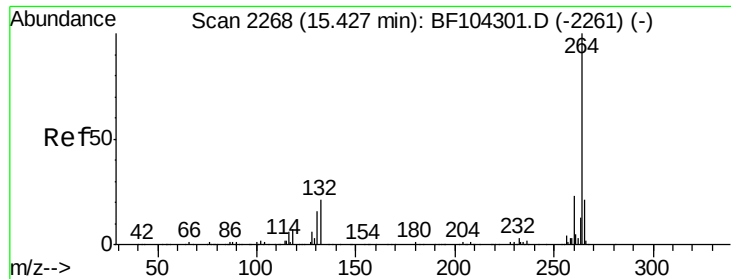


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



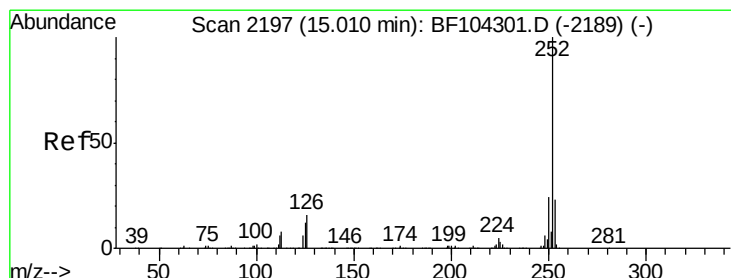
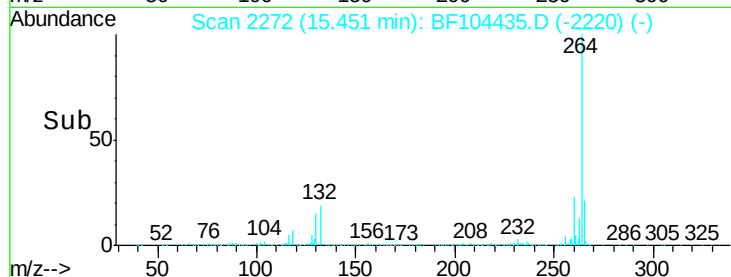
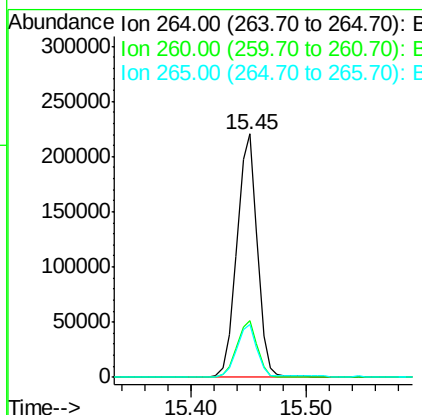
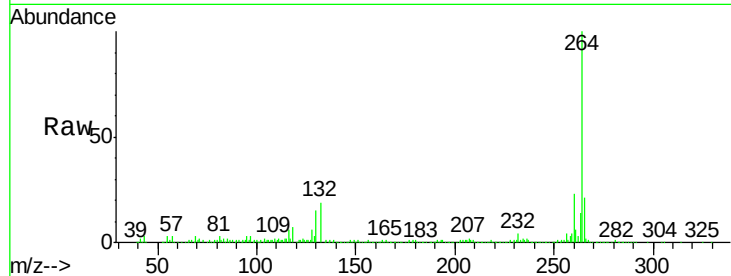


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF104435.D
Acq: 11 Apr 2018 13:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 270492

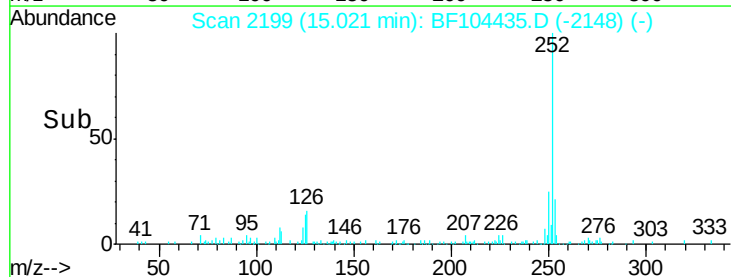
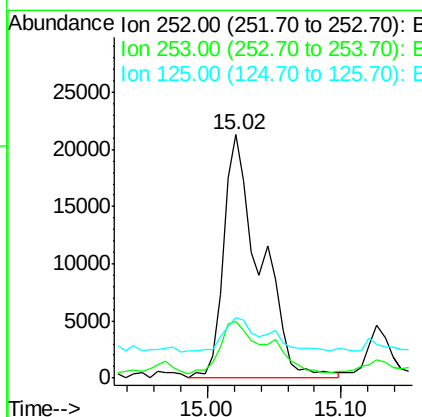
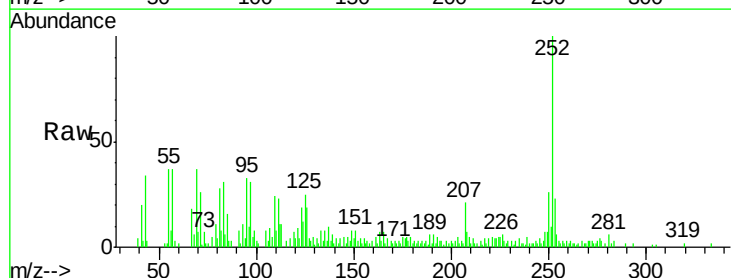
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.5	17.5	26.3

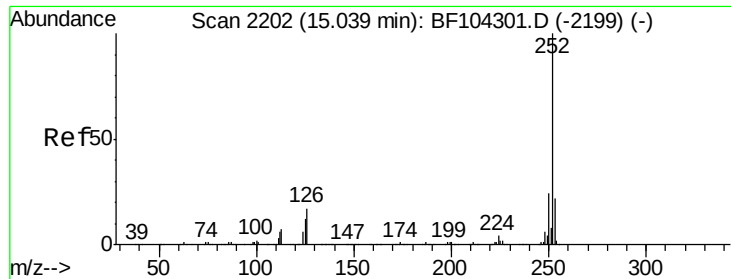


#87
Benzo(b)fluoranthene
Concen: 2.386 ng
RT: 15.02 min Scan# 2199
Delta R.T. 0.00 min
Lab File: BF104435.D
Acq: 11 Apr 2018 13:56

Tgt Ion:252 Resp: 40767

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	25.1	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 2.528 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.04 min

Lab File: BF104435.D

Acq: 11 Apr 2018 13:56

Instrument :

BNA_F

ClientSampleId :

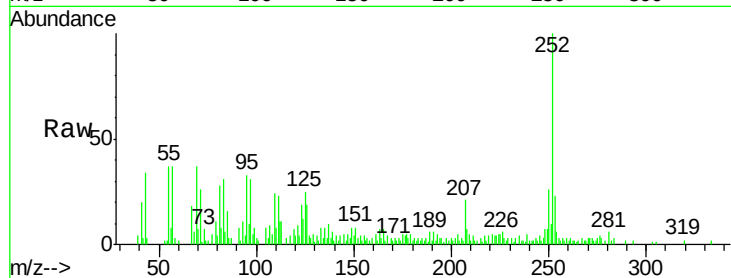
Tot Ion: 252 Resp: 40767

Ion Ratio Lower Upper

252 100

253 23.3 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

