

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103118\
 Data File : BF110349.D
 Acq On : 31 Oct 2018 22:45
 Operator : JU/SJ
 Sample : PB114334BL
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 01 03:45:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 31 14:18:16 2018
 Response via : Initial Calibration

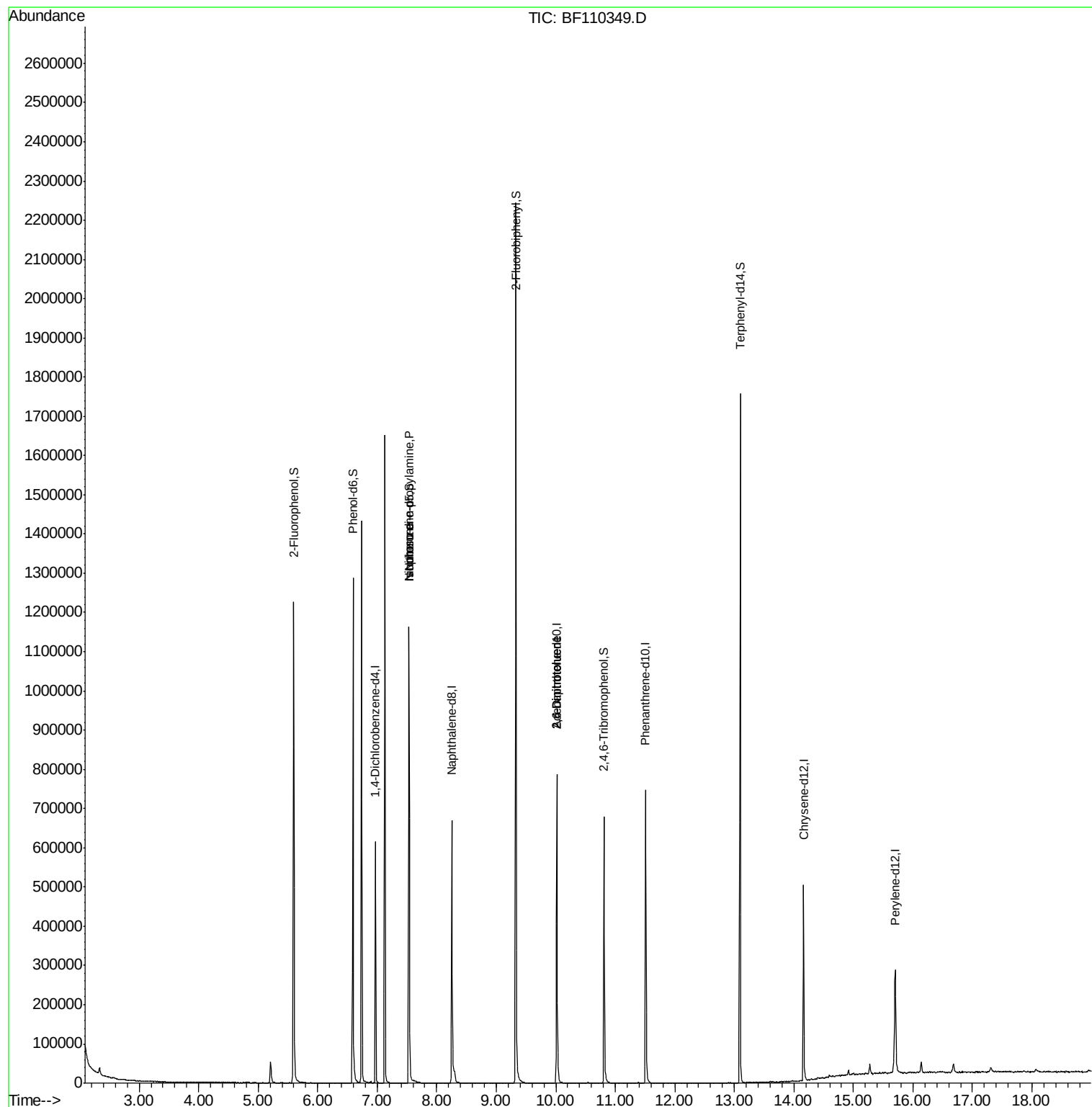
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	87986	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	361660	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	173407	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	300898	20.00	ng	0.00
76) Chrysene-d12	14.16	240	178237	20.00	ng	0.00
87) Perylene-d12	15.70	264	142914	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	318391	58.93	ng	0.00
7) Phenol-d6	6.59	99	404296	58.50	ng	-0.01
23) Nitrobenzene-d5	7.53	82	376955	61.82	ng	0.00
42) 2,4,6-Tribromophenol	10.81	330	86533	50.38	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	738450	66.87	ng	0.00
79) Terphenyl-d14	13.10	244	605400	70.64	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	50219	11.327	ng	# 81
25) Isophorone	7.53	82	376953	36.267	ng	# 67
51) 2,6-Dinitrotoluene	10.02	165	21565	7.821	ng	# 22
57) 2,4-Dinitrotoluene	10.02	165	21565	6.157	ng	# 18

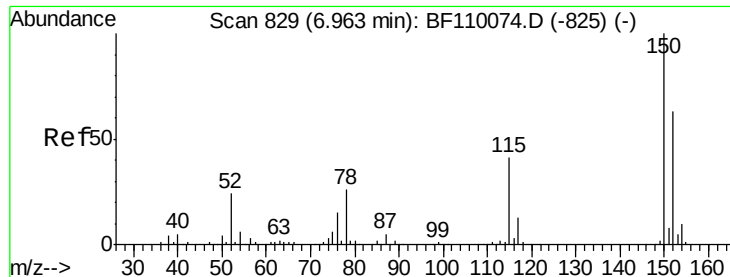
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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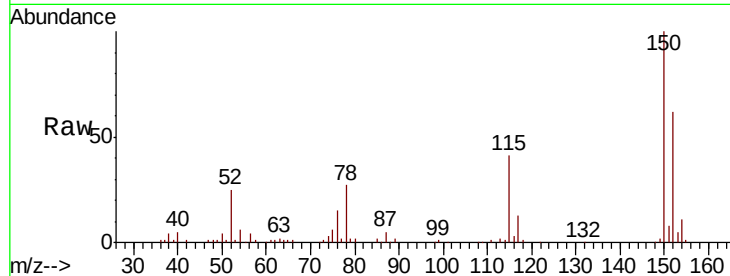


#1

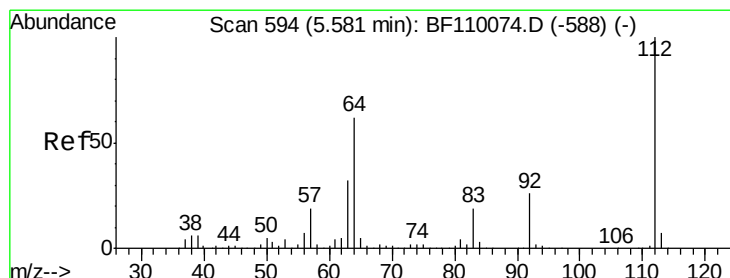
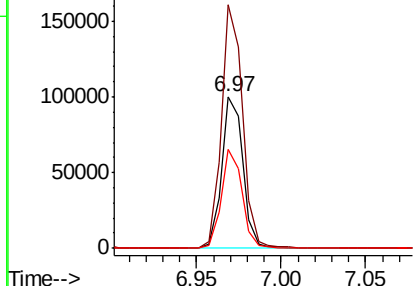
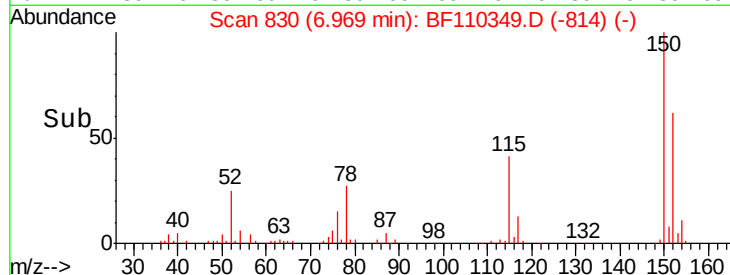
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110349.D
Acq: 31 Oct 2018 22:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 87986
Ion Ratio Lower Upper
152 100
150 160.4 122.7 184.1
115 65.6 49.1 73.7



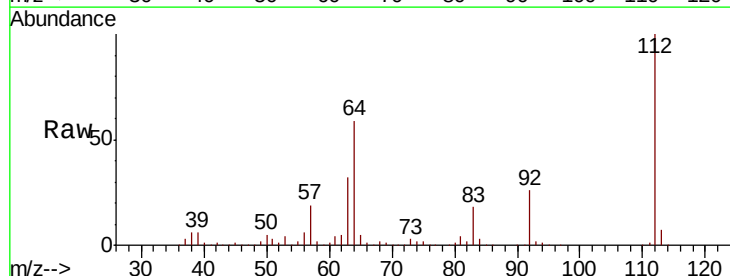
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



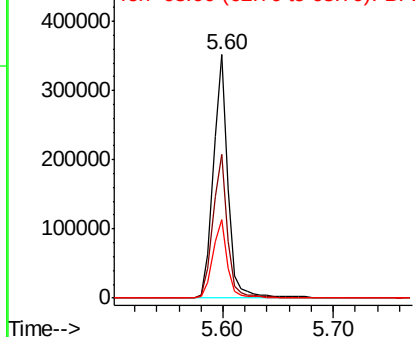
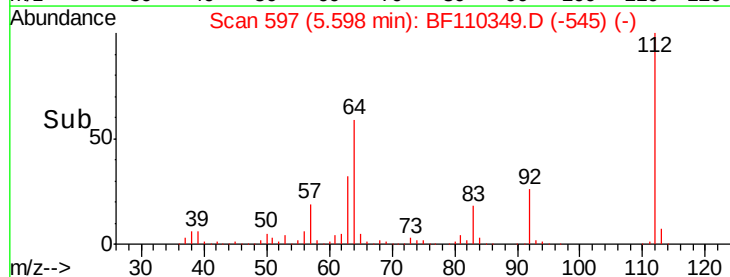
#5

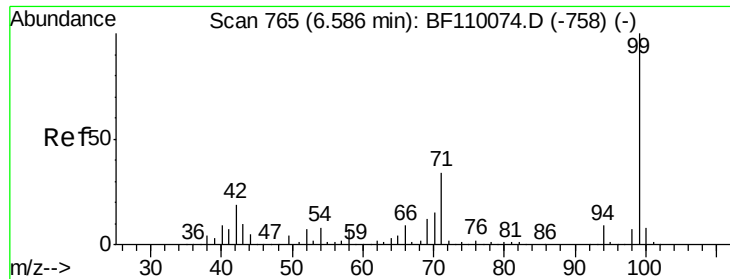
2-Fluorophenol
Concen: 58.928 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF110349.D
Acq: 31 Oct 2018 22:45

Tgt Ion:112 Resp: 318391
Ion Ratio Lower Upper
112 100
64 59.1 44.1 66.1
63 32.0 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: 58.501 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110349.D

Acq: 31 Oct 2018 22:45

Instrument :

BNA_F

ClientSampleId :

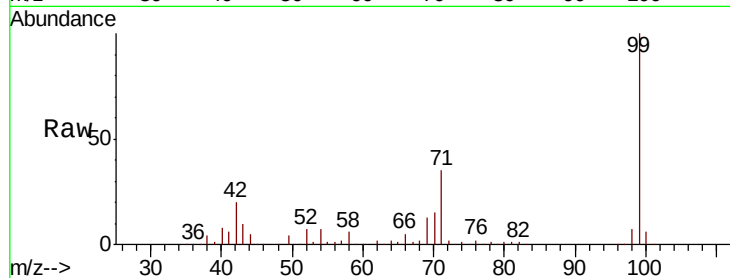
Tot Ion: 99 Resp: 404296

Ion Ratio Lower Upper

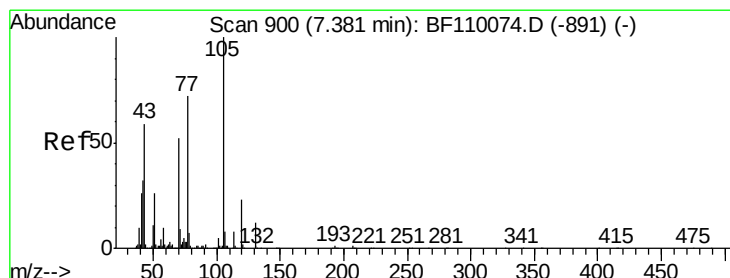
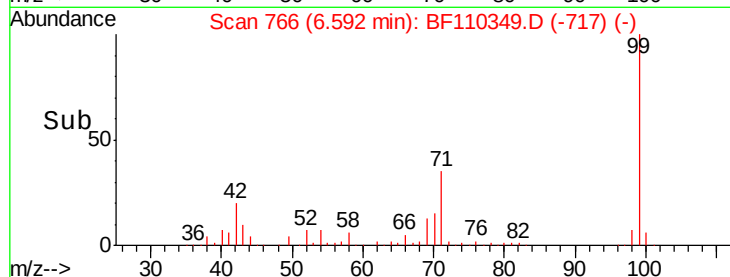
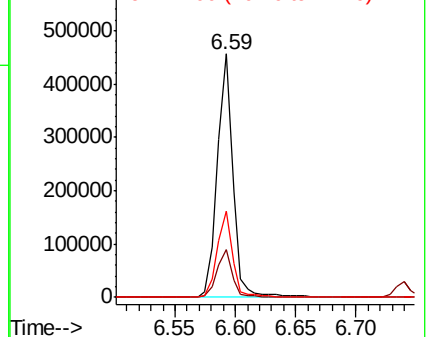
99 100

42 19.7 15.8 23.6

71 35.4 28.0 42.0



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: 11.327 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF110349.D

Acq: 31 Oct 2018 22:45

Tgt Ion: 70 Resp: 50219

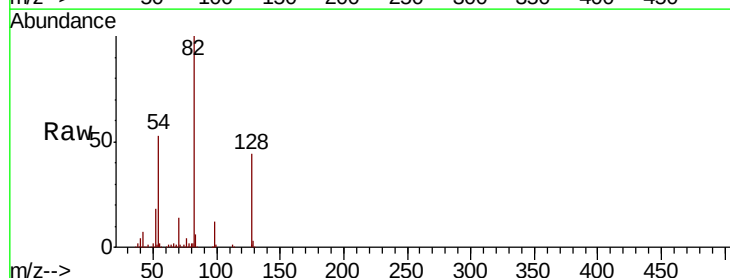
Ion Ratio Lower Upper

70 100

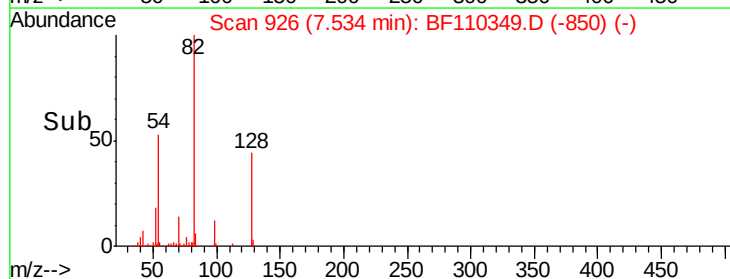
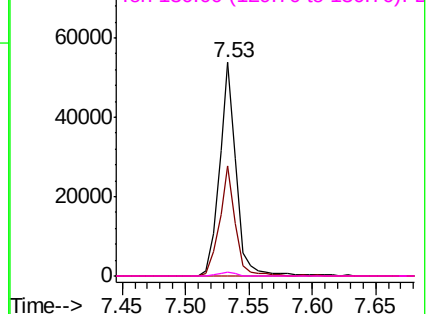
42 51.4 47.4 71.2

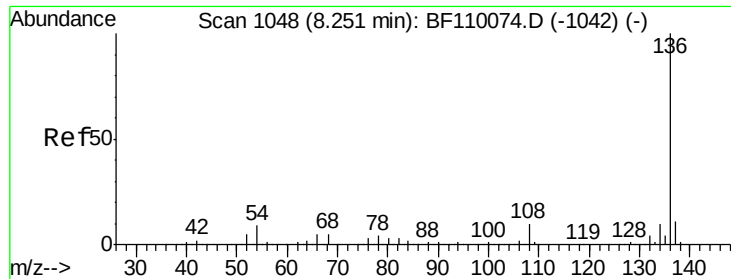
101 0.0 7.3 10.9#

130 1.8 16.2 24.2#



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.00 min

Lab File: BF110349.D

Acq: 31 Oct 2018 22:45

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 361660

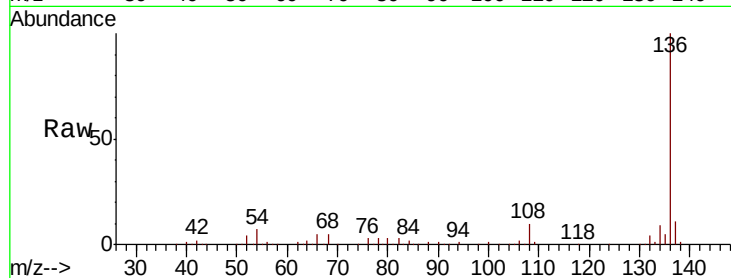
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 7.1 5.4 8.2

68 4.7 4.2 6.2

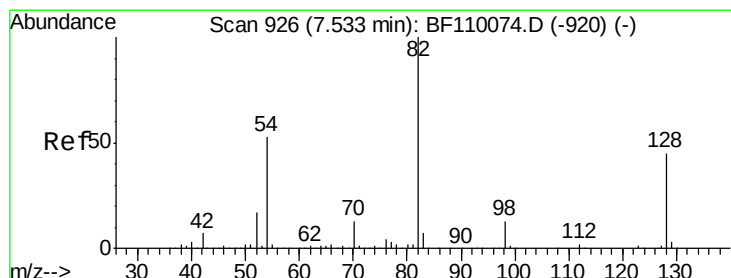
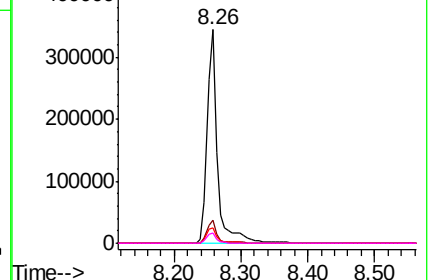
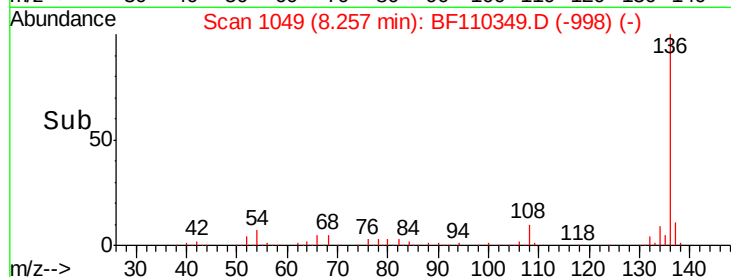


Abundance Ion 136.00 (135.70 to 136.70): E

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: 61.822 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF110349.D

Acq: 31 Oct 2018 22:45

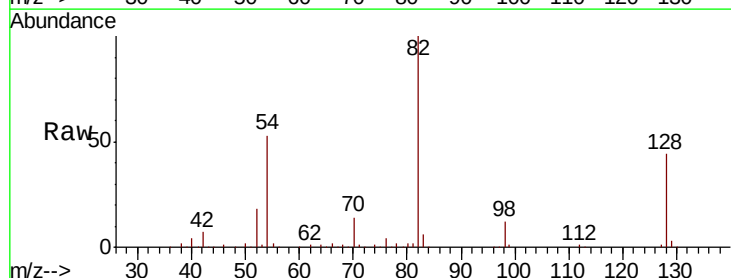
Tgt Ion: 82 Resp: 376955

Ion Ratio Lower Upper

82 100

128 44.3 34.2 51.2

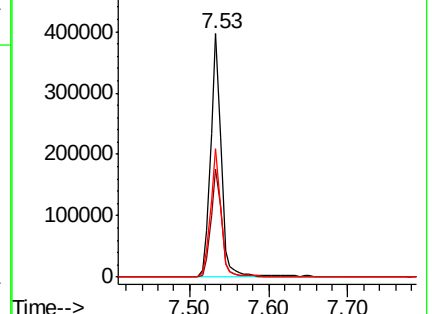
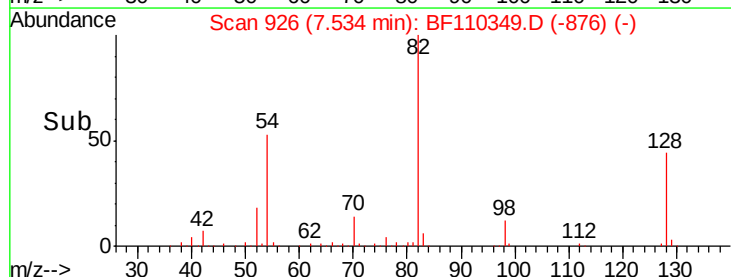
54 52.9 38.6 58.0

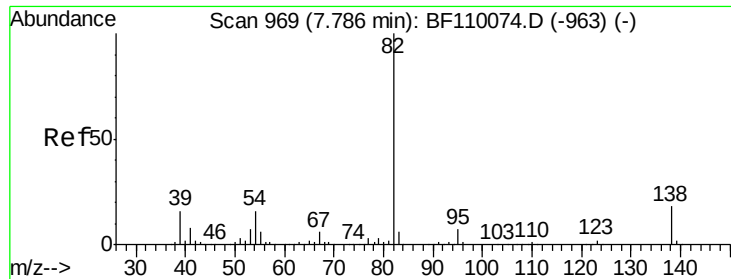


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

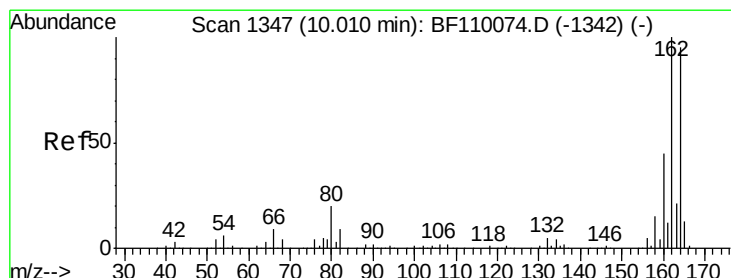
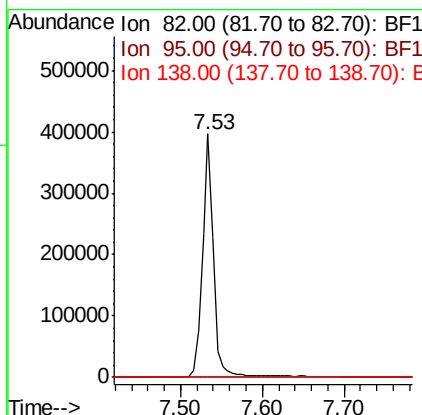
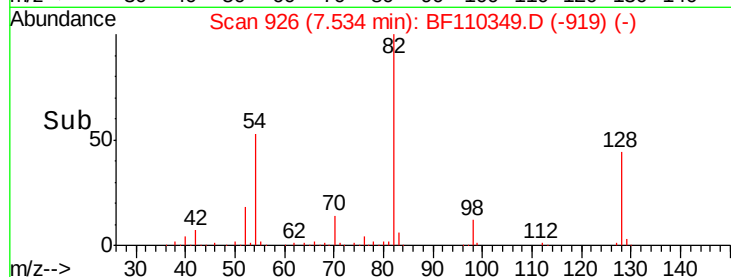
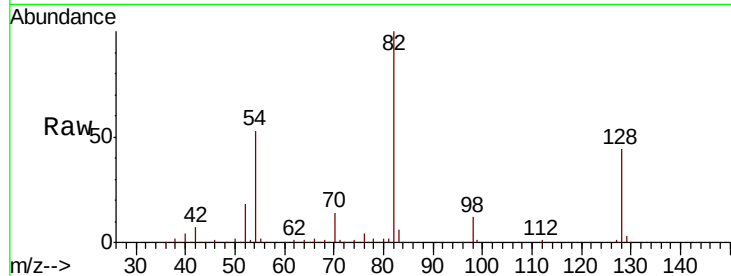




#25
Isophorone
Concen: 36.267 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.26 min
Lab File: BF110349.D
Acq: 31 Oct 2018 22:45

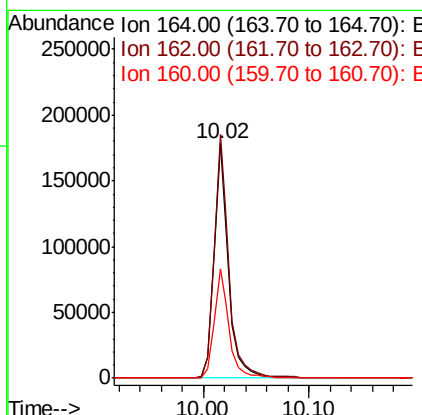
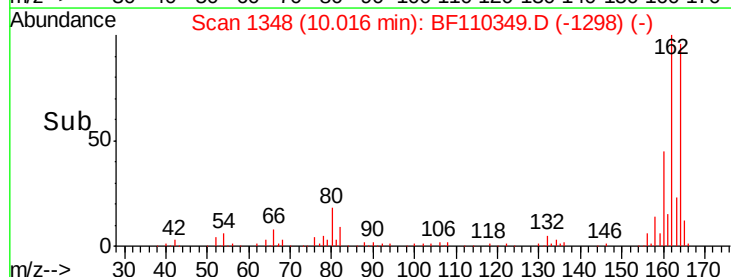
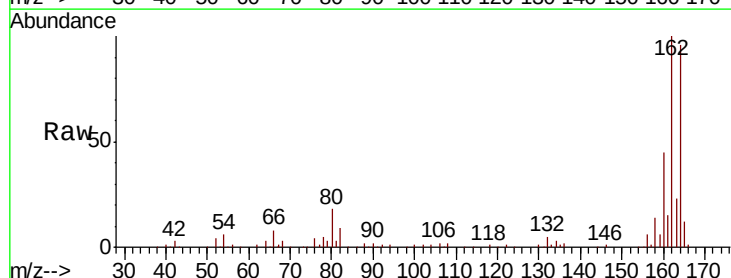
Instrument :
BNA_F
ClientSampleId :

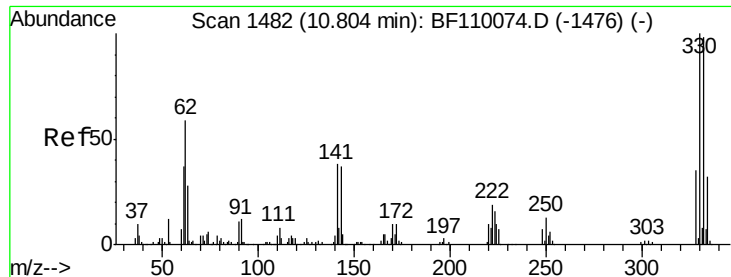
Tot Ion: 82 Resp: 376953
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF110349.D
Acq: 31 Oct 2018 22:45

Tgt Ion:164 Resp: 173407
Ion Ratio Lower Upper
164 100
162 103.9 83.0 124.6
160 46.5 37.0 55.6

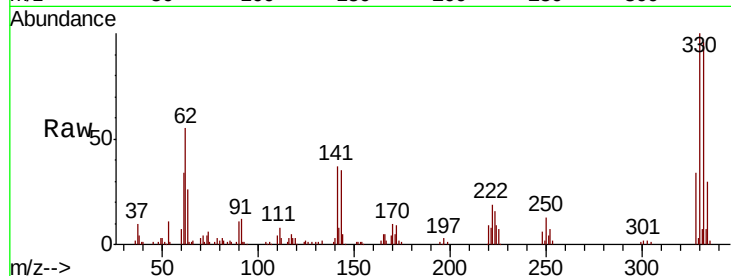




#42
 2,4,6-Tribromophenol
 Concen: 50.377 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: BF110349.D
 Acq: 31 Oct 2018 22:45

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	330	332	141
Resp:	86533		
Ion Ratio	100	97.0	37.5
Lower		77.1	27.0
Upper		115.7	40.4

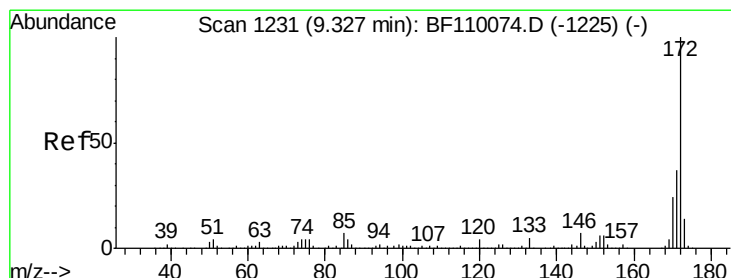
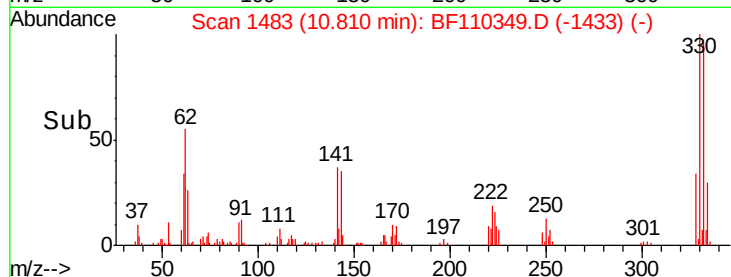
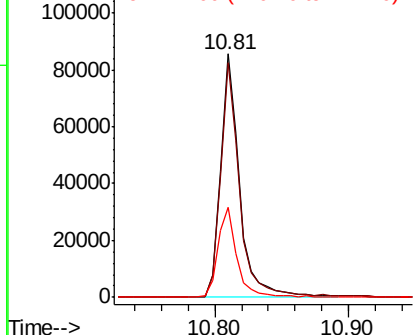


Abundance

Ion 329.80 (329.50 to 330.50): E

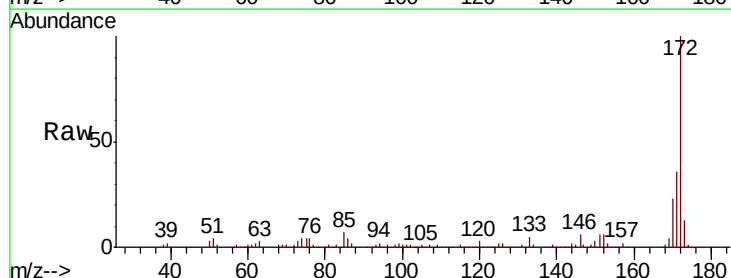
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 66.869 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF110349.D
 Acq: 31 Oct 2018 22:45

Tgt Ion	172	171	170
Resp:	738450		
Ion Ratio	100	36.1	23.0
Lower		28.6	19.7
Upper		43.0	29.5

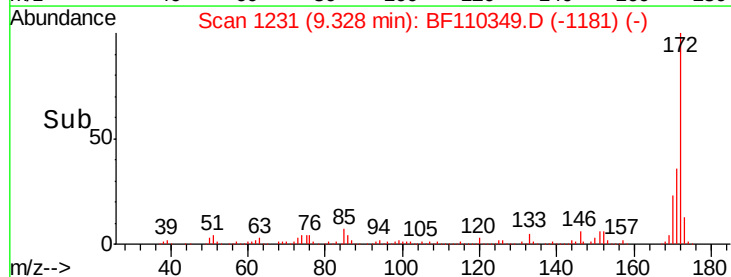
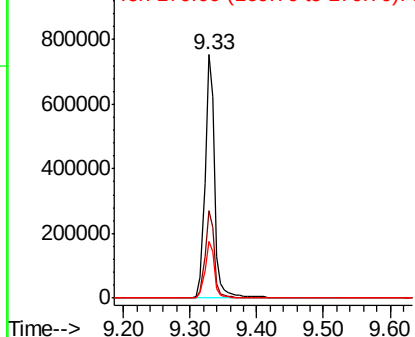


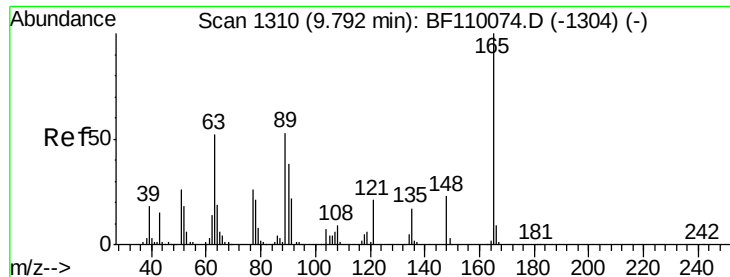
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 7.821 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.21 min

Lab File: BF110349.D

Acq: 31 Oct 2018 22:45

Instrument :

BNA_F

ClientSampleId :

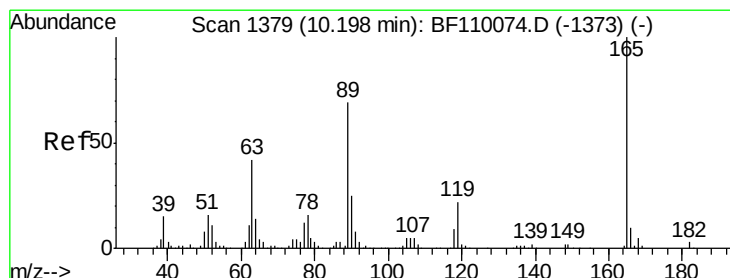
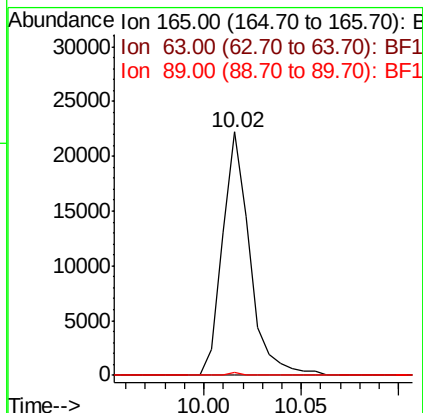
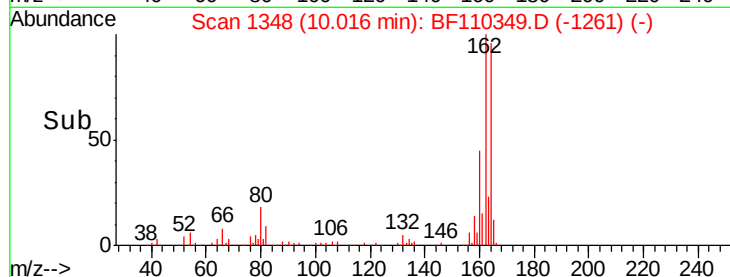
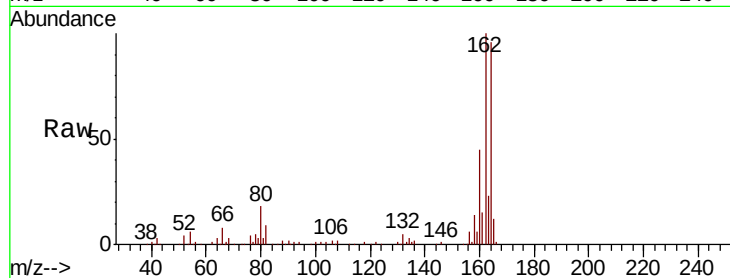
Tot Ion:165 Resp: 21565

Ion Ratio Lower Upper

165 100

63 0.0 48.9 73.3#

89 1.4 46.6 69.8#



#57

2,4-Dinitrotoluene

Concen: 6.157 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.20 min

Lab File: BF110349.D

Acq: 31 Oct 2018 22:45

Tgt Ion:165 Resp: 21565

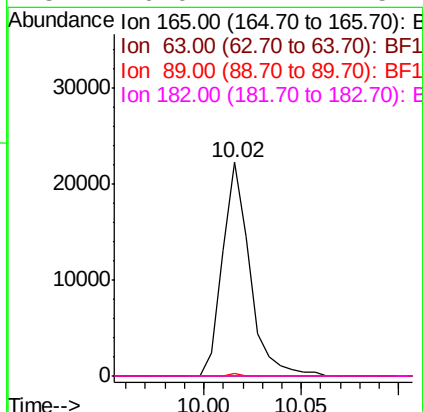
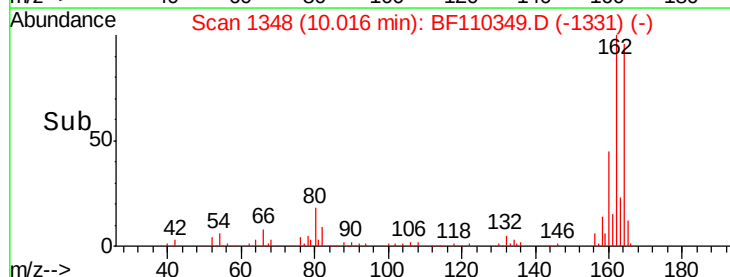
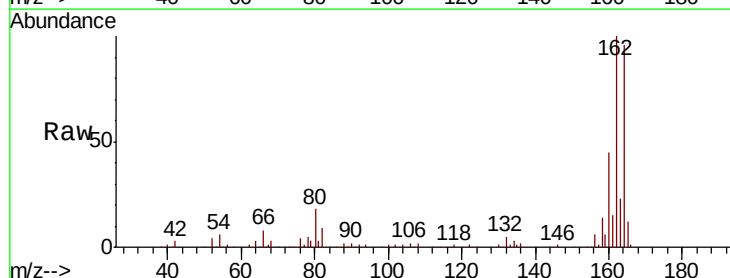
Ion Ratio Lower Upper

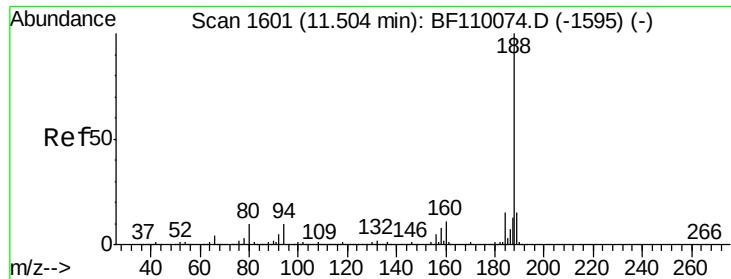
165 100

63 0.0 44.8 67.2#

89 1.4 62.2 93.4#

182 0.0 2.1 3.1#

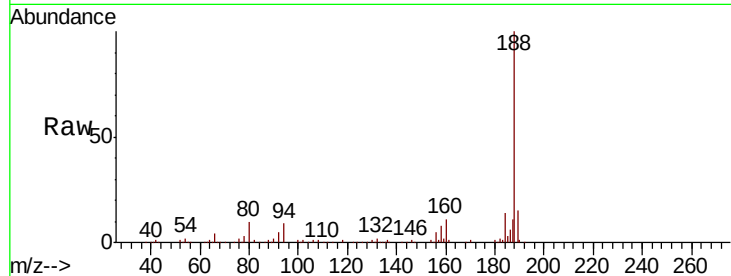




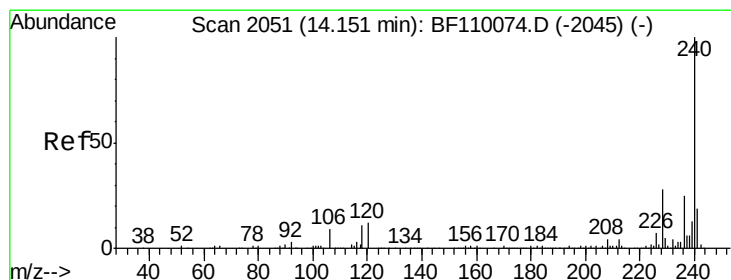
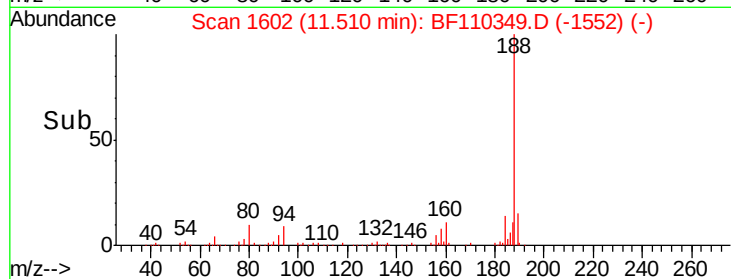
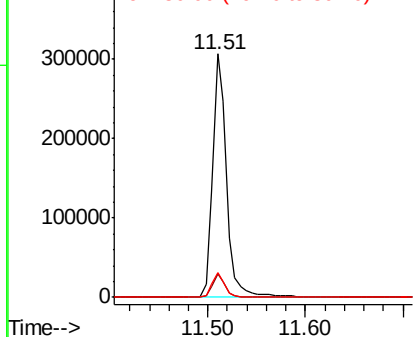
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF110349.D
Acq: 31 Oct 2018 22:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 300898
Ion Ratio Lower Upper
188 100
94 9.4 7.2 10.8
80 10.1 7.9 11.9

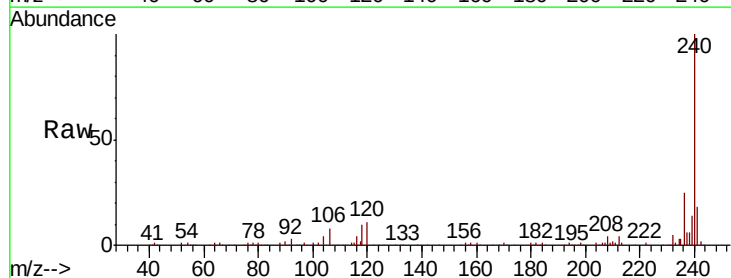


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

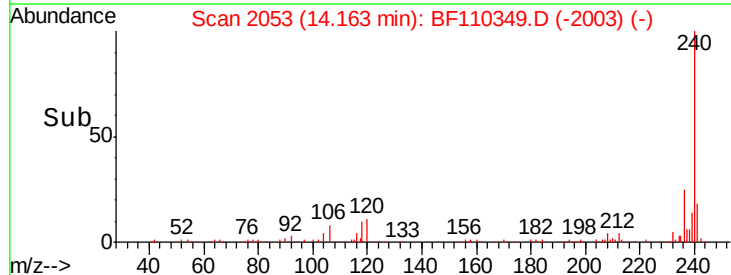
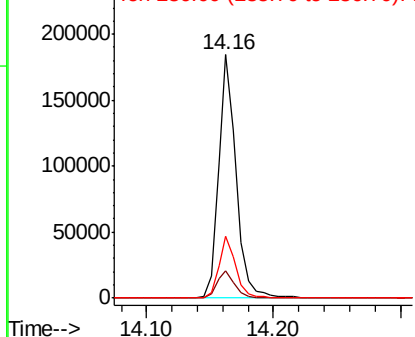


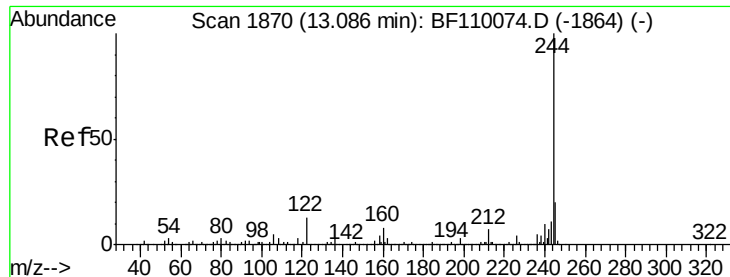
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BF110349.D
Acq: 31 Oct 2018 22:45

Tgt Ion:240 Resp: 178237
Ion Ratio Lower Upper
240 100
120 11.3 8.3 12.5
236 25.3 21.2 31.8



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

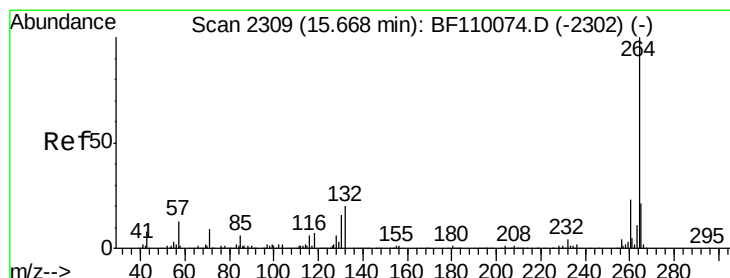
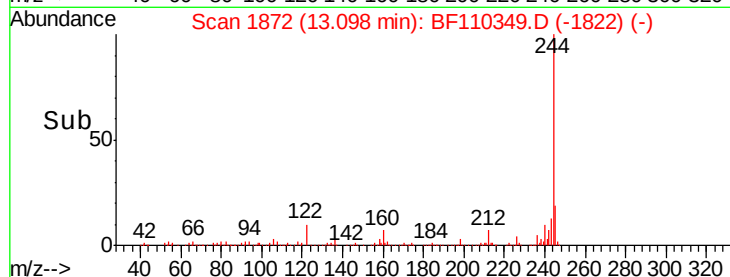
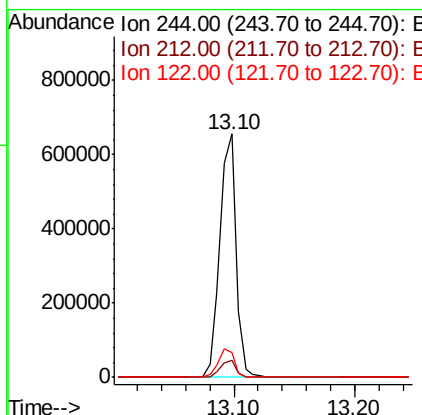
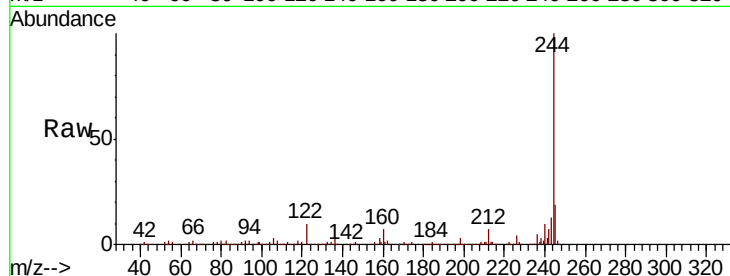




#79
 Terphenyl-d14
 Concen: 70.639 ng
 RT: 13.10 min Scan# 1872
 Delta R.T. -0.01 min
 Lab File: BF110349.D
 Acq: 31 Oct 2018 22:45

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 605400
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.8
 122 10.3 8.7 13.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2315
 Delta R.T. 0.00 min
 Lab File: BF110349.D
 Acq: 31 Oct 2018 22:45

Tgt Ion:264 Resp: 142914
 Ion Ratio Lower Upper
 264 100
 260 22.1 18.7 28.1
 265 19.6 16.7 25.1

