

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
 Data File : BF104469.D
 Acq On : 12 Apr 2018 23:24
 Operator : JU/SJ
 Sample : J2337-13
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 13 00:18:55 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 12 17:07:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	112372	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	418230	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	154583	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	250104	20.00	ng	0.00
75) Chrysene-d12	13.99	240	224327	20.00	ng	0.00
86) Perylene-d12	15.45	264	160803	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	837301	113.93	ng	0.02
7) Phenol-d6	6.45	99	877352	97.16	ng	0.00
23) Nitrobenzene-d5	7.37	82	657770	102.70	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	204294	127.40	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1084767	110.86	ng	0.00
78) Terphenyl-d14	12.93	244	961134	97.68	ng	0.00

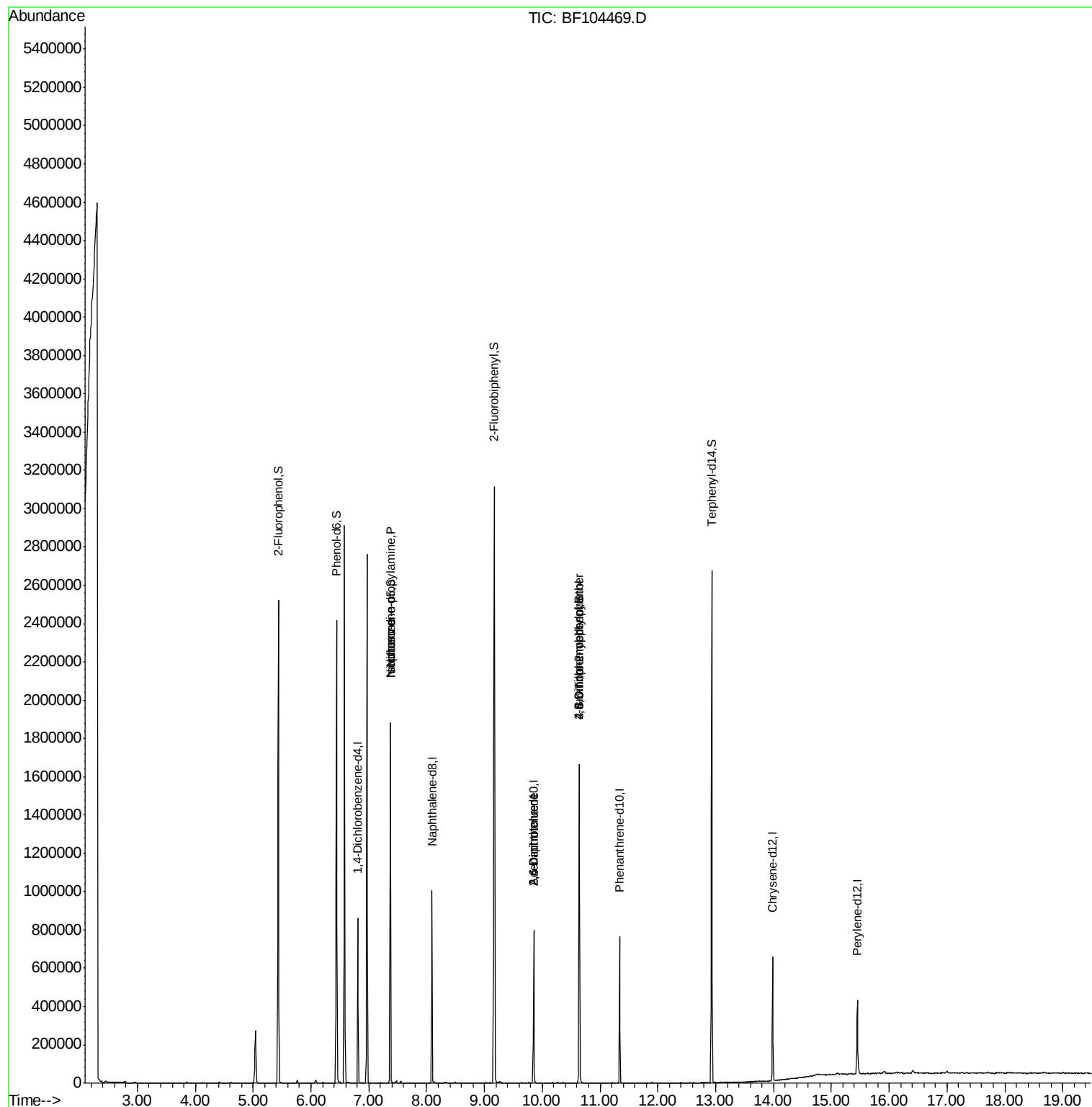
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	1357	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.37	70	85831	14.546	ng	# 74
25) Isophorone	7.37	82	657765	48.565	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	19496	8.643	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	19496	6.589	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.64	198	433	7.648	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	12657	4.758	ng	# 1
76) Benzydine	12.93	184	12545	Below Cal		96

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

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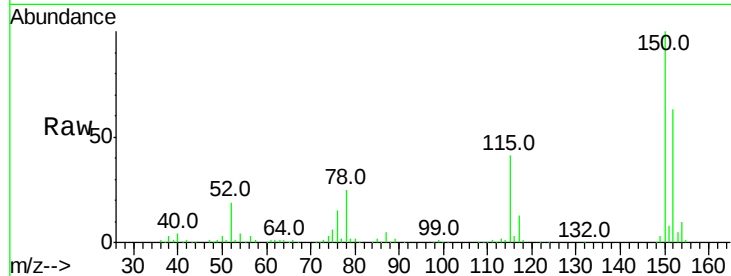


#1

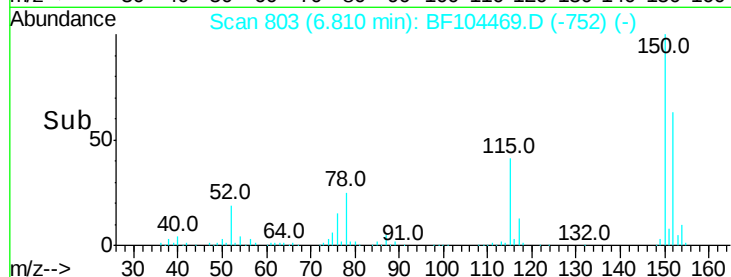
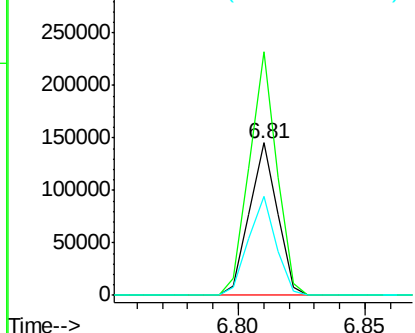
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104469.D
Acq: 12 Apr 2018 23:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 112372
Ion Ratio Lower Upper
152 100
150 159.5 124.6 186.8
115 64.8 50.1 75.1



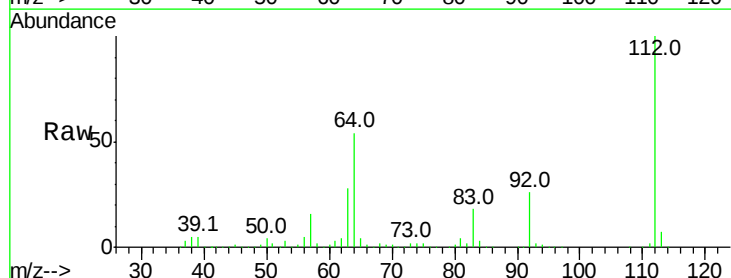
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



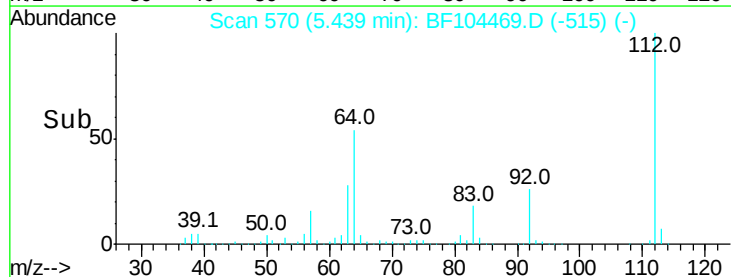
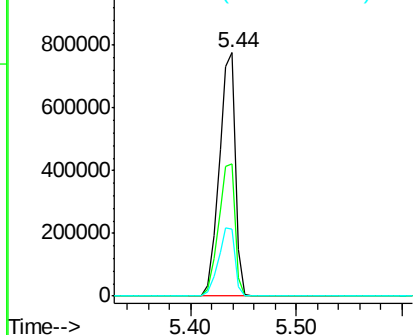
#5

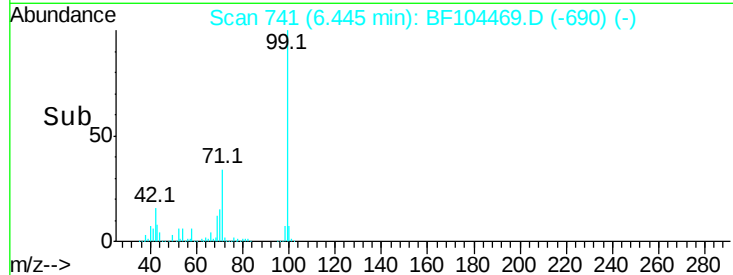
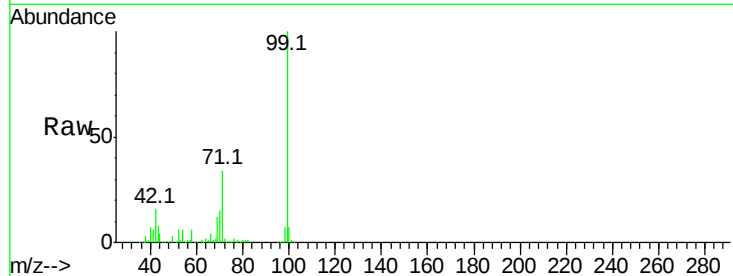
2-Fluorophenol
Concen: 113.932 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.02 min
Lab File: BF104469.D
Acq: 12 Apr 2018 23:24

Tgt Ion:112 Resp: 837301
Ion Ratio Lower Upper
112 100
64 54.1 47.9 71.9
63 27.7 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: 97.163 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104469.D

Acq: 12 Apr 2018 23:24

Instrument :

BNA_F

ClientSampleId :

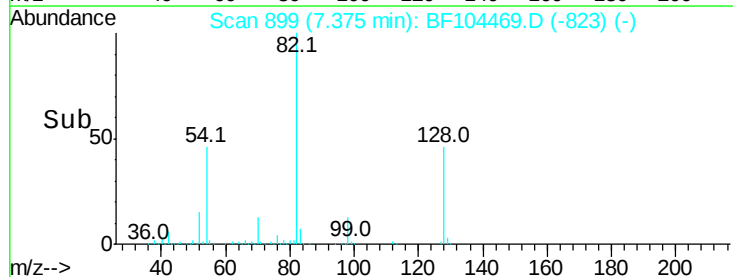
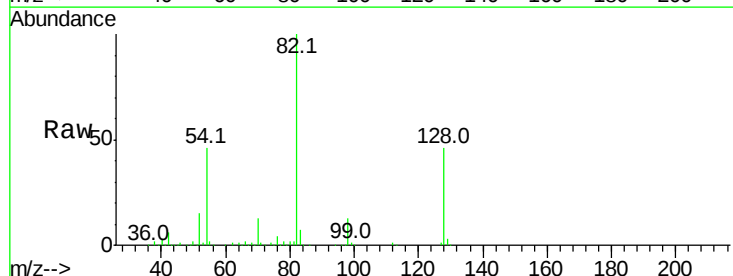
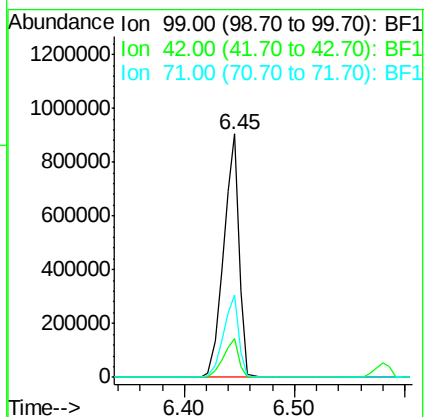
Tot Ion: 99 Resp: 877352

Ion Ratio Lower Upper

99 100

42 16.0 14.5 21.7

71 33.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.546 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104469.D

Acq: 12 Apr 2018 23:24

Tgt Ion: 70 Resp: 85831

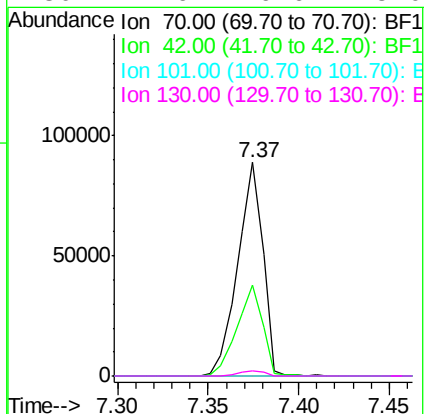
Ion Ratio Lower Upper

70 100

42 42.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

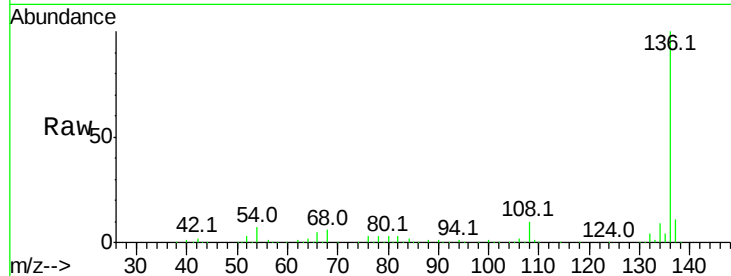




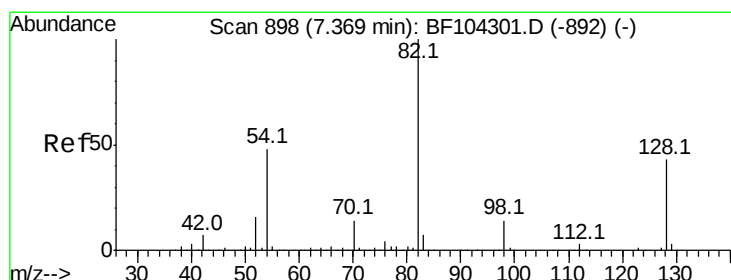
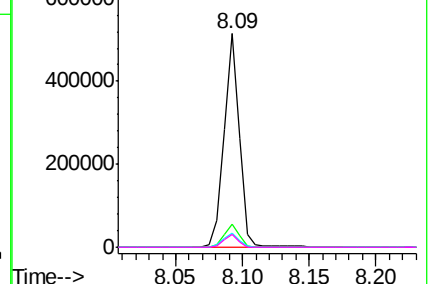
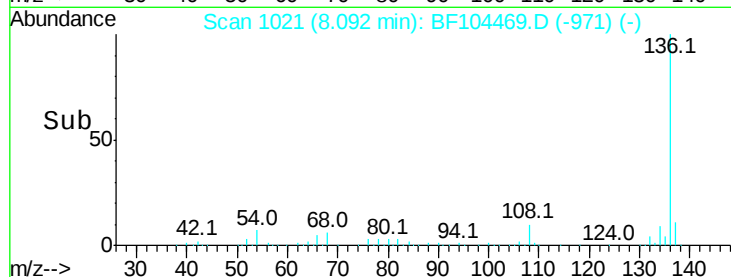
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF104469.D
Acq: 12 Apr 2018 23:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	418230
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.8	6.6	9.8
68	5.9	5.0	7.4

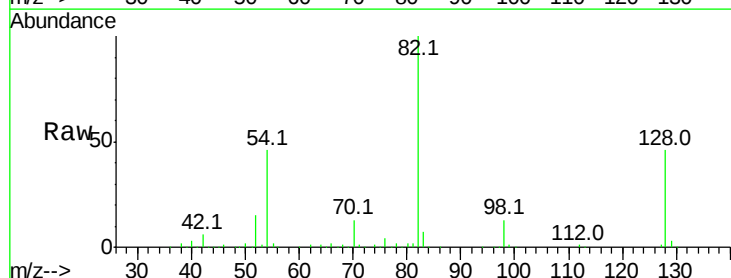


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
600000
Ion 54.00 (53.70 to 54.70): BF1
400000
Ion 68.00 (67.70 to 68.70): BF1
200000
0

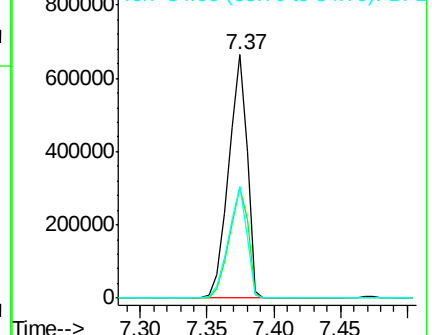
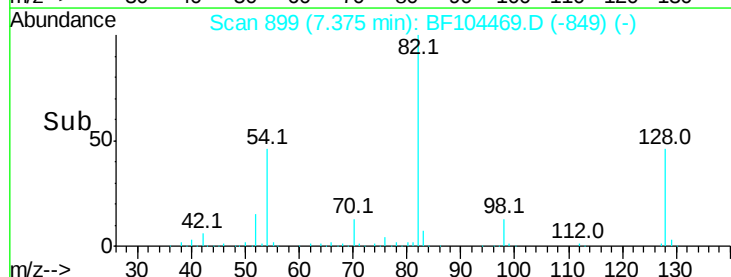


#23
Nitrobenzene-d5
Concen: 102.697 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104469.D
Acq: 12 Apr 2018 23:24

Tgt Ion:	82	Resp:	657770
Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.1	54.1
54	46.0	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
800000
Ion 128.00 (127.70 to 128.70): E
600000
Ion 54.00 (53.70 to 54.70): BF1
400000
200000
0





#25

Isophorone

Concen: 48.565 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104469.D

Acq: 12 Apr 2018 23:24

Instrument :

BNA_F

ClientSampleId :

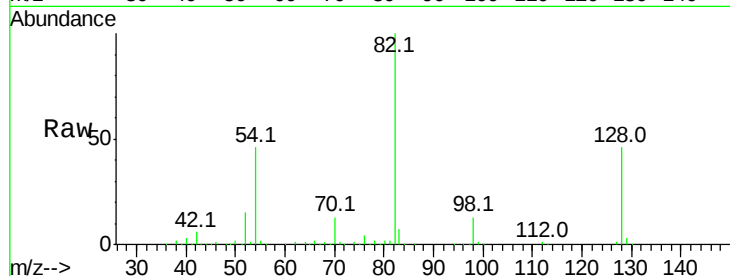
Tot Ion: 82 Resp: 657765

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

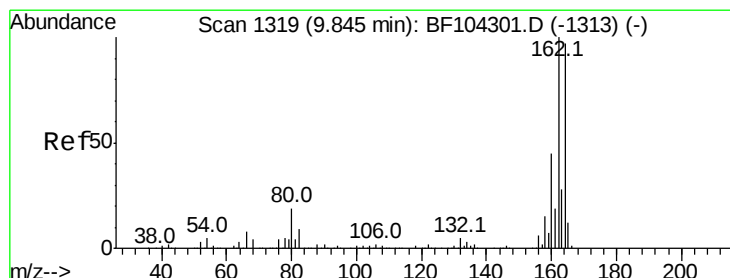
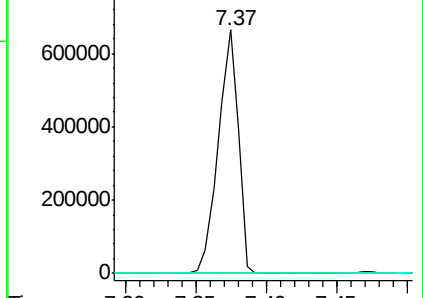
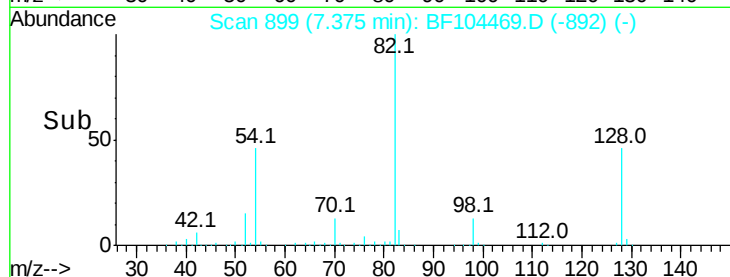
138 0.0 14.9 22.3#



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# 1320

Delta R.T. -0.00 min

Lab File: BF104469.D

Acq: 12 Apr 2018 23:24

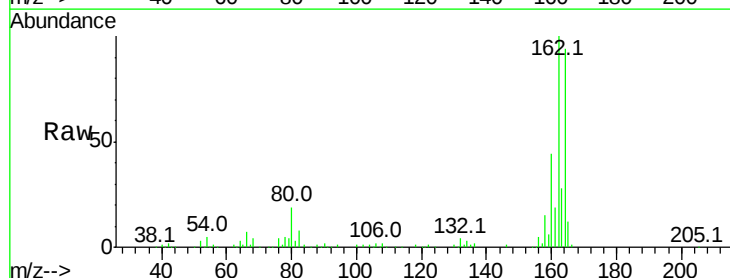
Tgt Ion:164 Resp: 154583

Ion Ratio Lower Upper

164 100

162 106.0 86.1 129.1

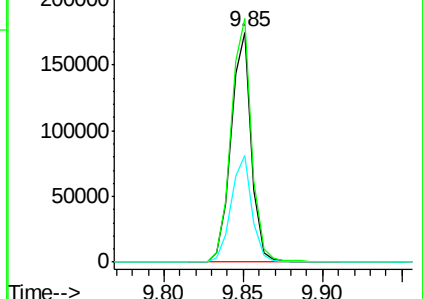
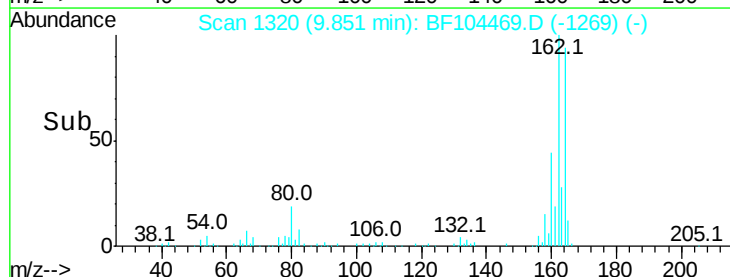
160 46.3 38.3 57.5



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

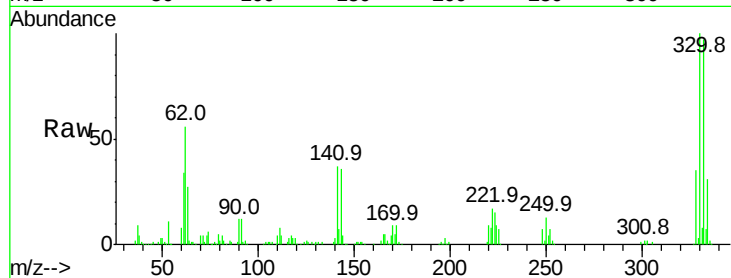




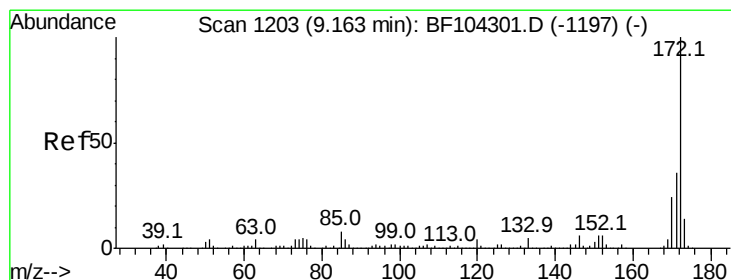
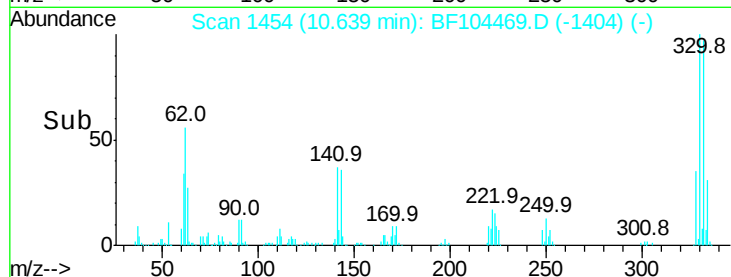
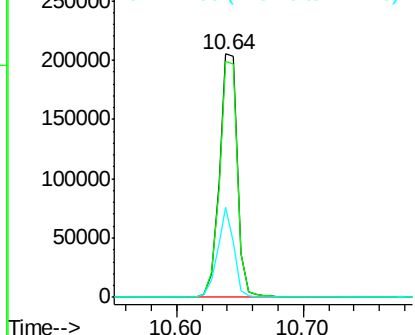
#41
 2,4,6-Tribromophenol
 Concen: 127.403 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104469.D
 Acq: 12 Apr 2018 23:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 204294
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.0 115.6
 141 33.5 29.9 44.9

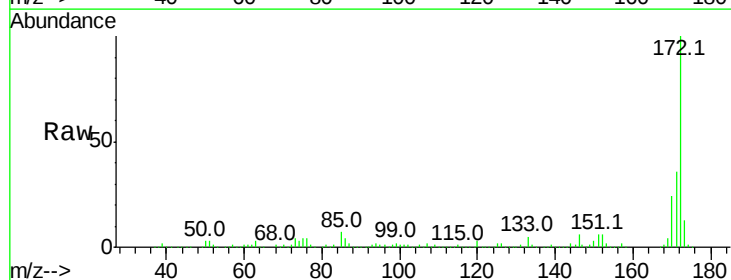


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

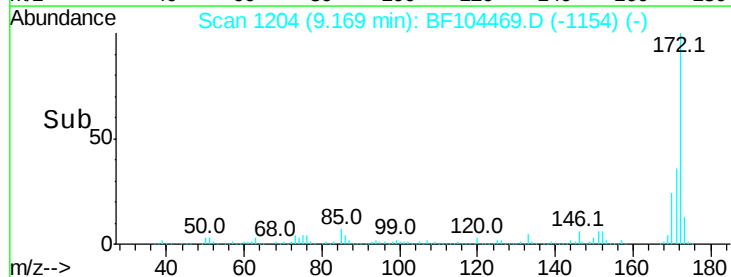
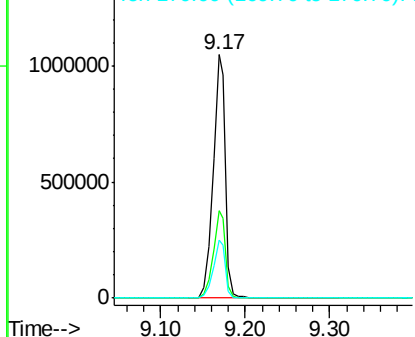


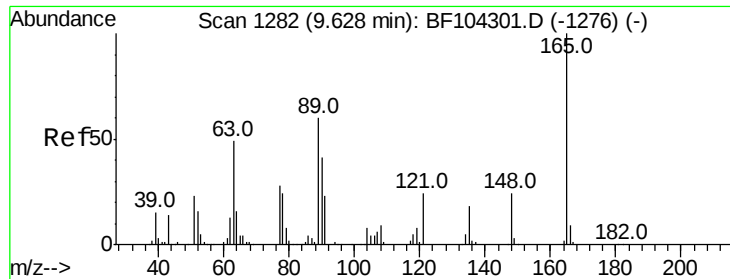
#44
 2-Fluorobiphenyl
 Concen: 110.857 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104469.D
 Acq: 12 Apr 2018 23:24

Tgt Ion:172 Resp: 1084767
 Ion Ratio Lower Upper
 172 100
 171 36.2 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





#50

2,6-Dinitrotoluene

Concen: 8.643 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF104469.D

Acq: 12 Apr 2018 23:24

Instrument :
BNA_F
ClientSampleId :

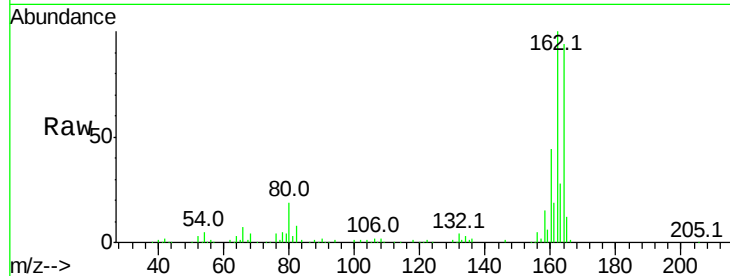
Tot Ion:165 Resp: 19496

Ion Ratio Lower Upper

165 100

63 1.5 44.7 67.1#

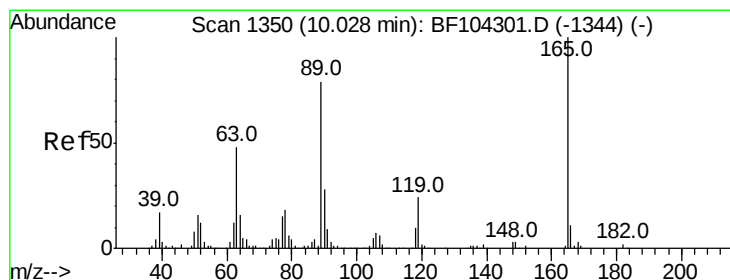
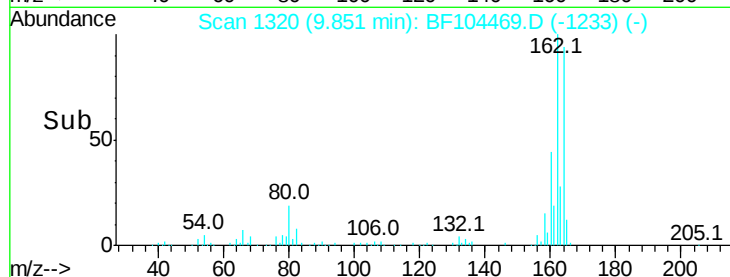
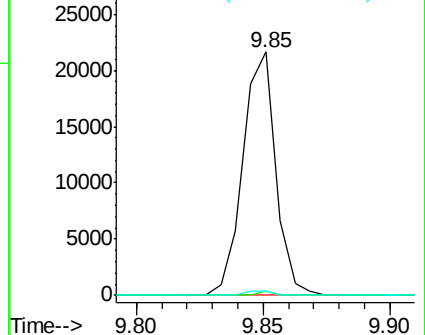
89 1.8 44.0 66.0#



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: 6.589 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.19 min

Lab File: BF104469.D

Acq: 12 Apr 2018 23:24

Tgt Ion:165 Resp: 19496

Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 1.8 57.8 86.6#

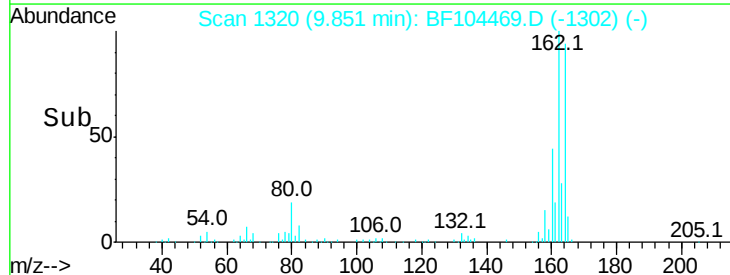
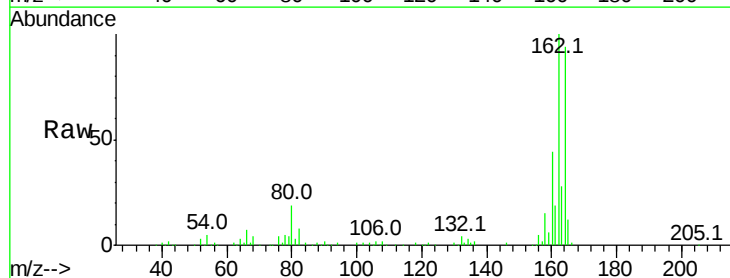
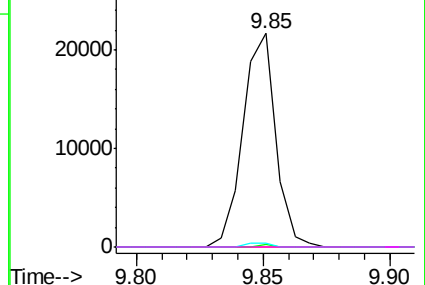
182 0.0 1.6 2.4#

Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

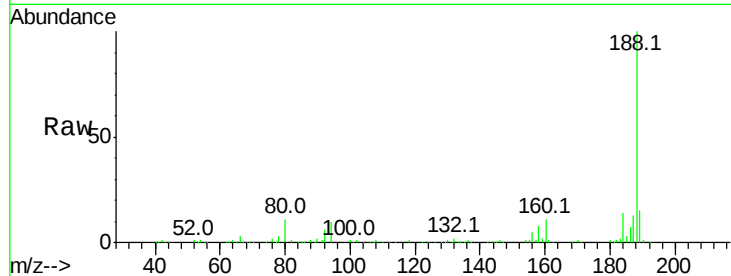




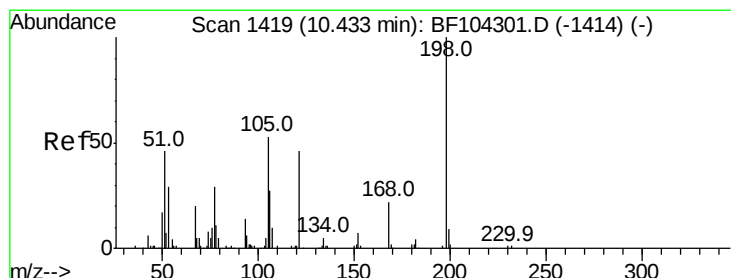
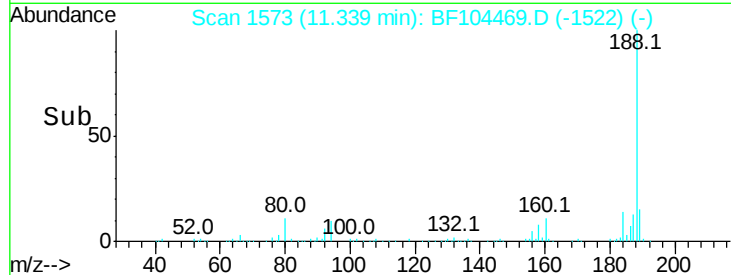
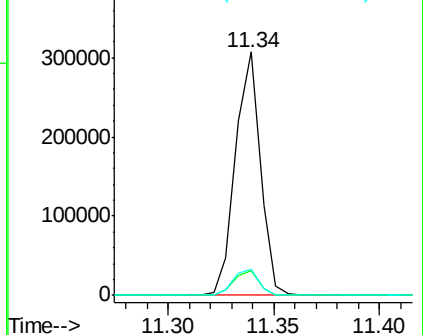
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF104469.D
Acq: 12 Apr 2018 23:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 250104
Ion Ratio Lower Upper
188 100
94 10.2 8.5 12.7
80 10.8 9.2 13.8

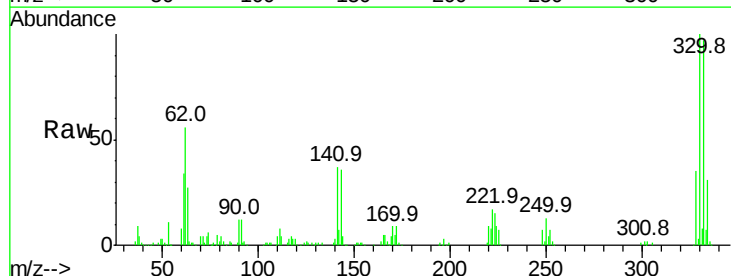


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

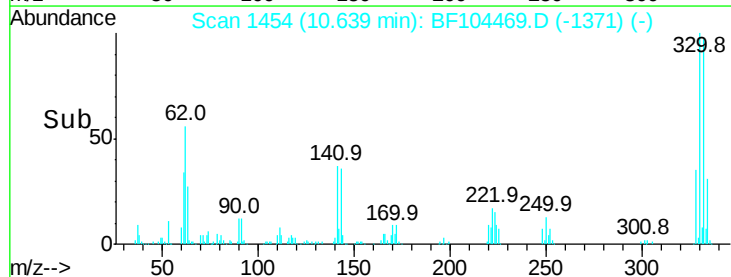
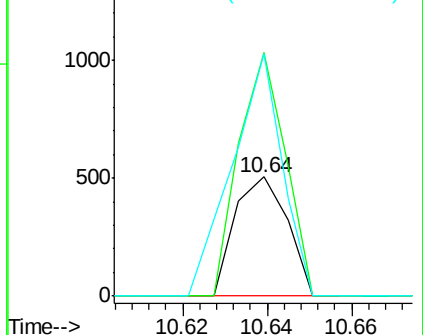


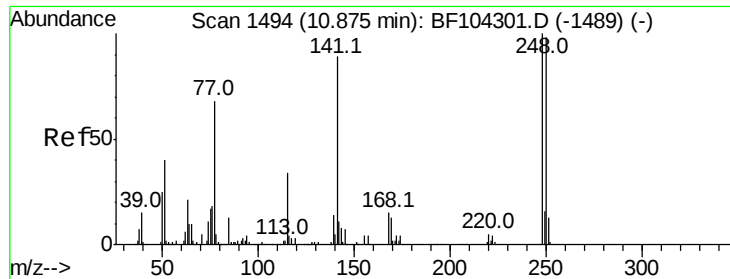
#64
4,6-Dinitro-2-methylphenol
Concen: 7.648 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.19 min
Lab File: BF104469.D
Acq: 12 Apr 2018 23:24

Tgt Ion:198 Resp: 433
Ion Ratio Lower Upper
198 100
51 204.6 37.7 77.7#
105 204.0 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

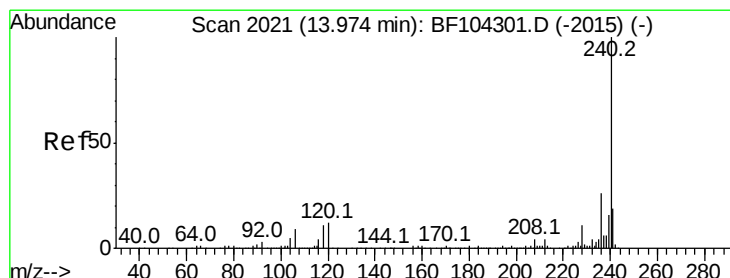
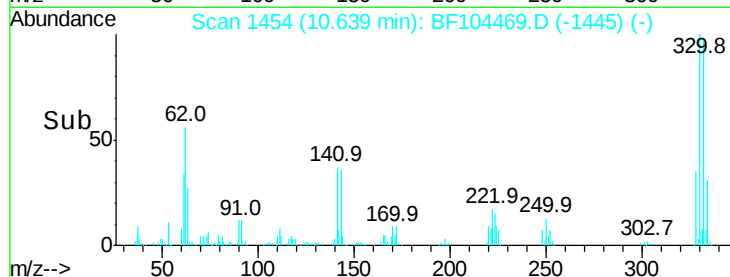
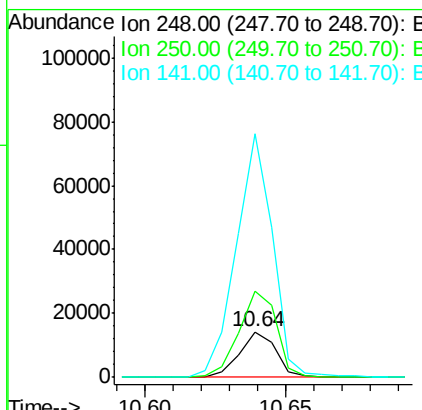
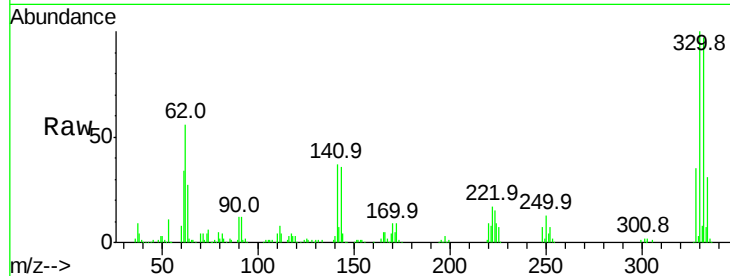




#66
 4-Bromophenyl-phenylether
 Concen: 4.758 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.25 min
 Lab File: BF104469.D
 Acq: 12 Apr 2018 23:24

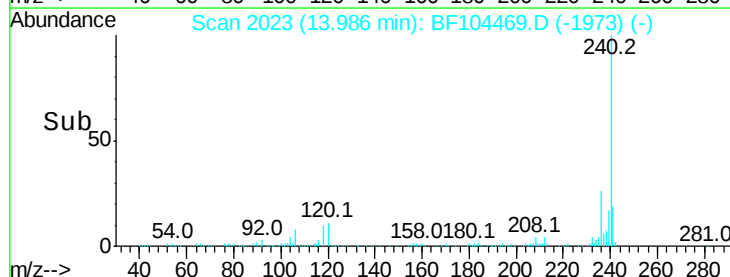
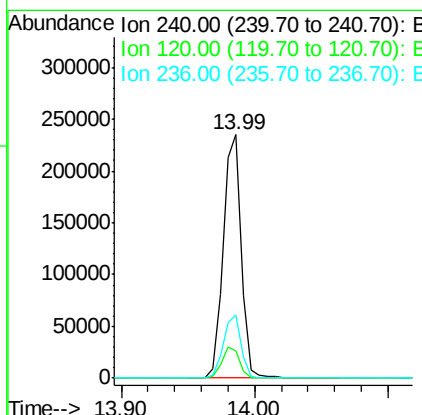
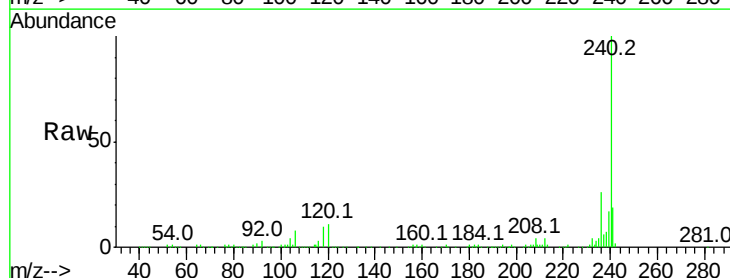
Instrument :
 BNA_F
 ClientSampleId :

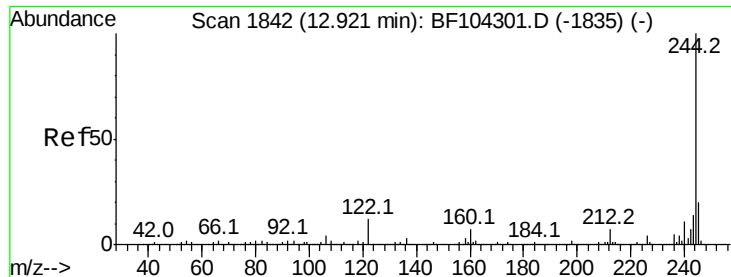
Tot Ion:248 Resp: 12657
 Ion Ratio Lower Upper
 248 100
 250 187.7 76.9 115.3#
 141 532.1 74.4 111.6#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF104469.D
 Acq: 12 Apr 2018 23:24

Tgt Ion:240 Resp: 224327
 Ion Ratio Lower Upper
 240 100
 120 11.1 9.5 14.3
 236 25.9 20.7 31.1

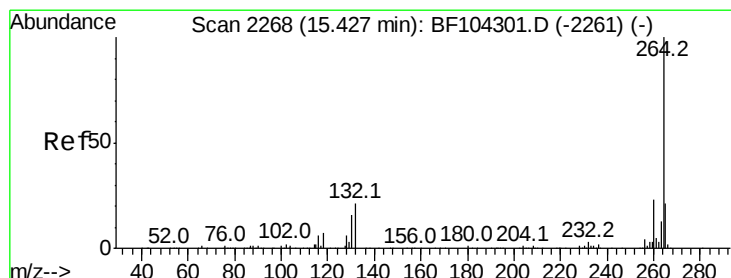
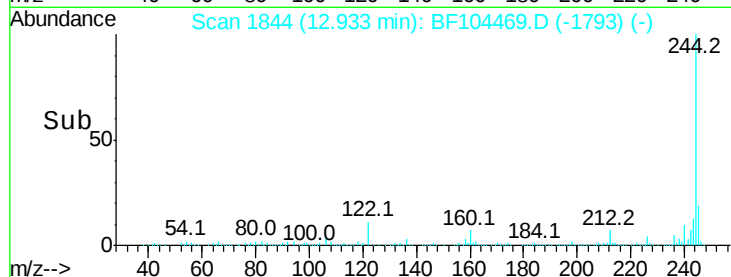
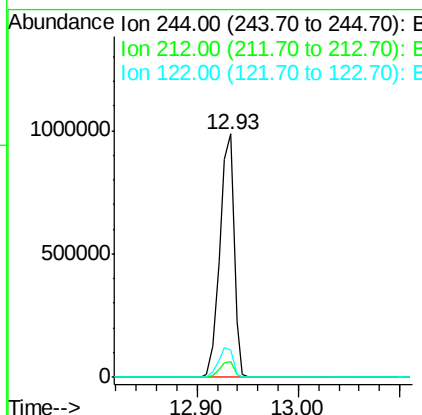
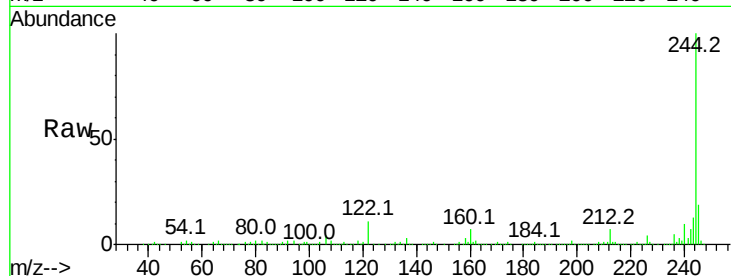




#78
 Terphenyl-d14
 Concen: 97.680 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: BF104469.D
 Acq: 12 Apr 2018 23:24

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:244 Resp: 961134
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 11.3 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: BF104469.D
 Acq: 12 Apr 2018 23:24

Tgt Ion:264 Resp: 160803
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.2 28.8
 265 20.9 17.5 26.3

