

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
 Data File : BF104612.D
 Acq On : 18 Apr 2018 19:58
 Operator : JU/SJ
 Sample : PB108320BL
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 01:16:18 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 18 11:52:19 2018
 Response via : Initial Calibration

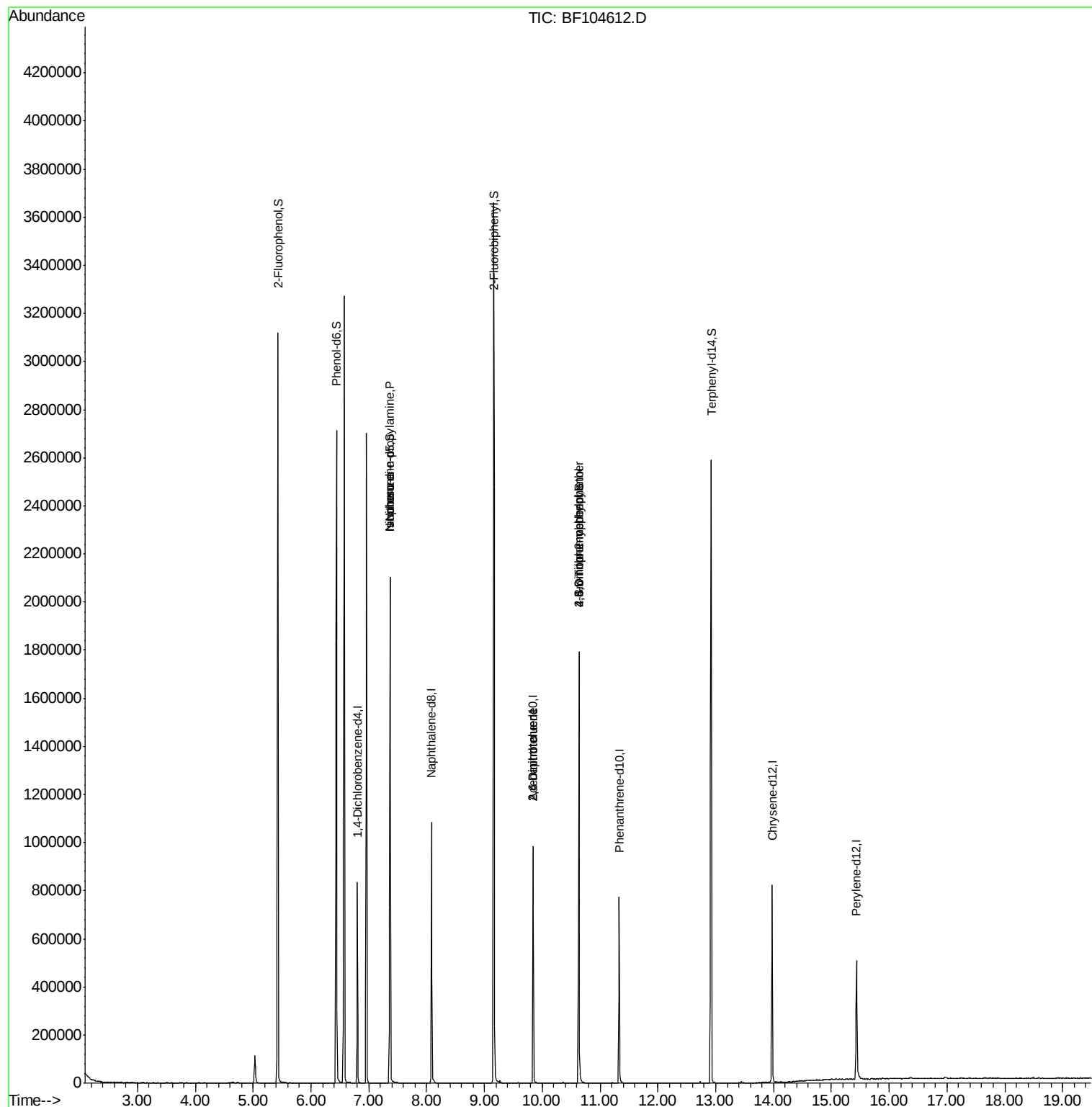
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	121705	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	477159	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	190480	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	288130	20.00	ng	0.00
75) Chrysene-d12	13.97	240	265186	20.00	ng	0.00
86) Perylene-d12	15.44	264	259369	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	988355	124.17	ng	0.01
7) Phenol-d6	6.45	99	1176628	120.31	ng	0.00
23) Nitrobenzene-d5	7.37	82	747341	102.27	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	227433	115.10	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1232979	102.26	ng	0.00
78) Terphenyl-d14	12.92	244	956682	82.25	ng	0.00
Target Compounds						
9) Benzaldehyde	6.44	77	1552	Below Cal	Qvalue # 1	
19) n-Nitroso-di-n-propylamine	7.37	70	97627	15.277 ng	#	74
25) Isophorone	7.37	82	747336	48.363 ng	#	64
50) 2,6-Dinitrotoluene	9.84	165	24070	8.660 ng	#	24
56) 2,4-Dinitrotoluene	9.84	165	24070	6.602 ng	#	22
64) 4,6-Dinitro-2-methylphenol	10.63	198	334	7.549 ng	#	1
66) 4-Bromophenyl-phenylether	10.63	248	13853	4.520 ng	#	1
76) Benzidine	12.92	184	12314	Below Cal	95	

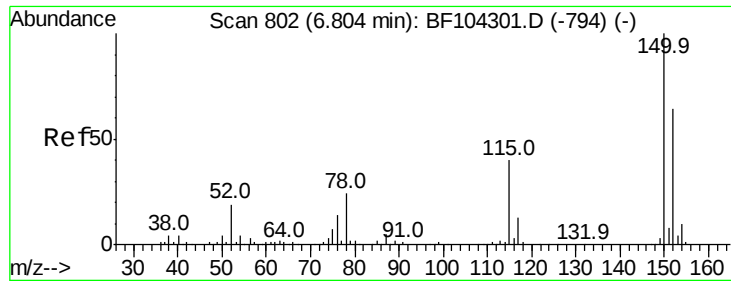
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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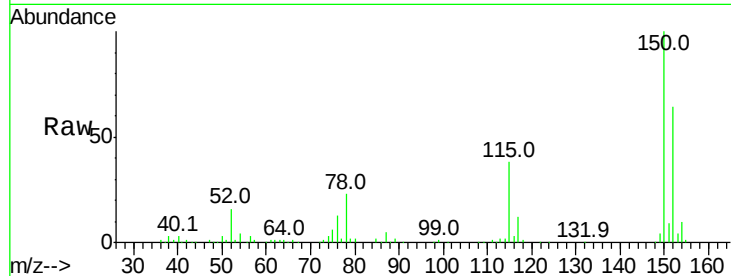


#1

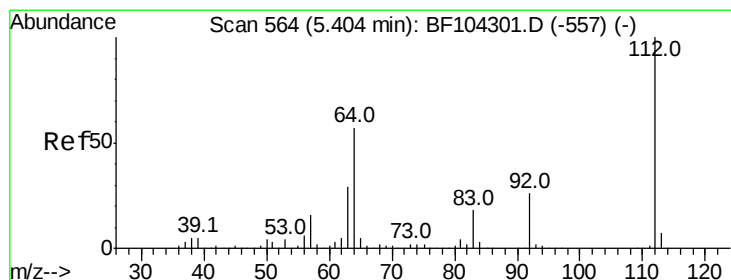
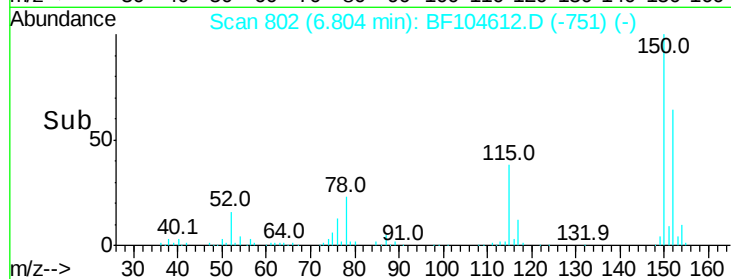
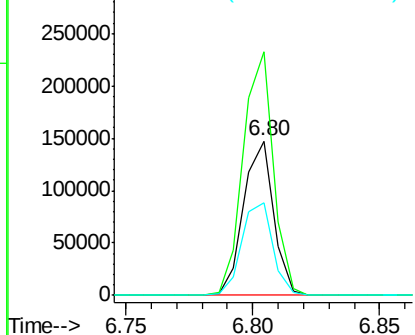
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104612.D
Acq: 18 Apr 2018 19:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 121705
Ion Ratio Lower Upper
152 100
150 157.5 124.6 186.8
115 60.3 50.1 75.1



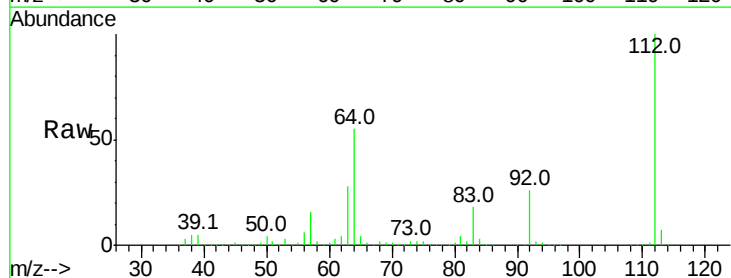
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



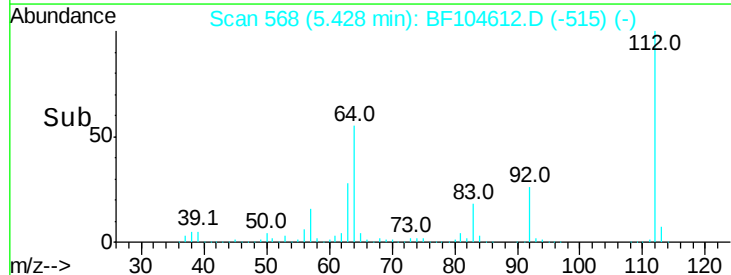
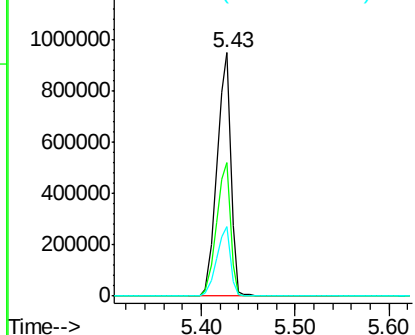
#5

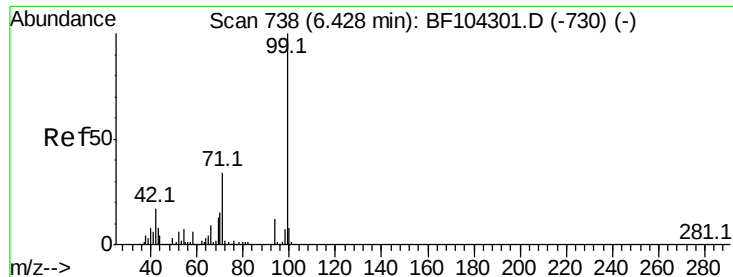
2-Fluorophenol
Concen: 124.173 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104612.D
Acq: 18 Apr 2018 19:58

Tgt Ion:112 Resp: 988355
Ion Ratio Lower Upper
112 100
64 55.0 47.9 71.9
63 28.3 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 120.314 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF104612.D

Acq: 18 Apr 2018 19:58

Instrument :

BNA_F

ClientSampled :

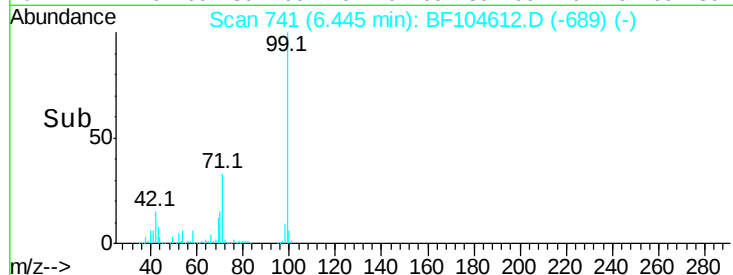
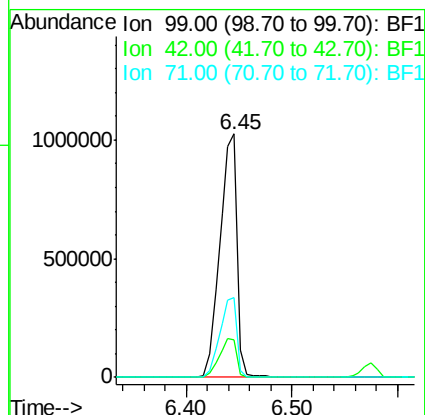
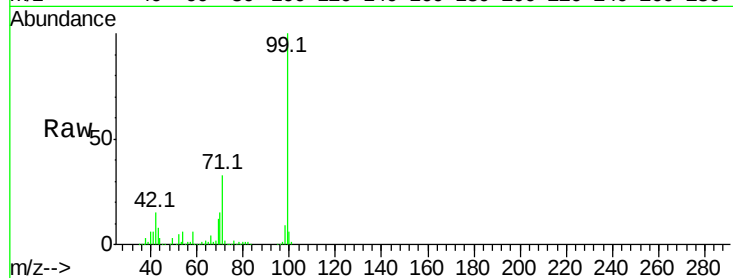
Tot Ion: 99 Resp: 1176628

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

71 32.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.277 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104612.D

Acq: 18 Apr 2018 19:58

Tgt Ion: 70 Resp: 97627

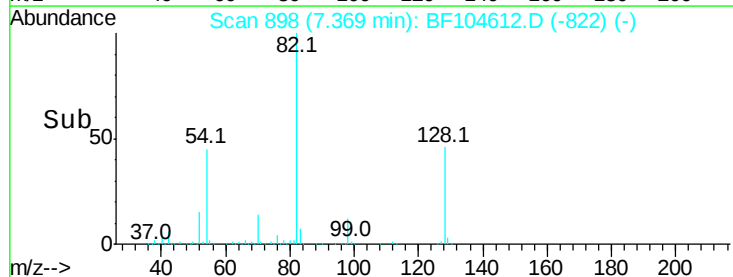
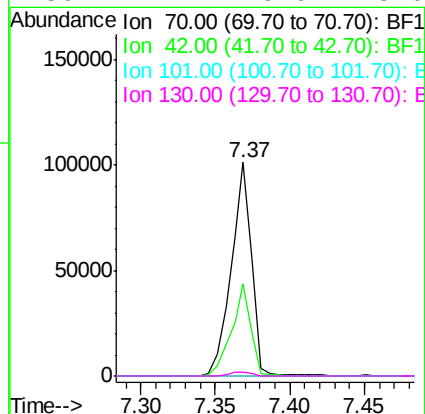
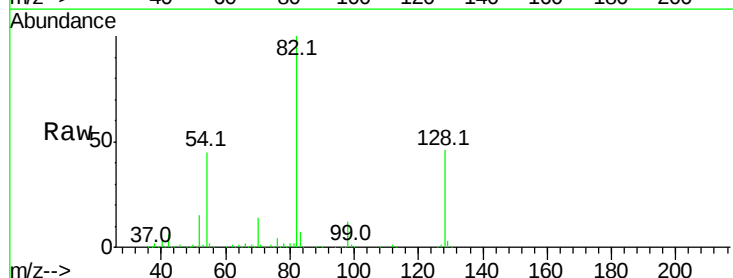
Ion Ratio Lower Upper

70 100

42 43.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

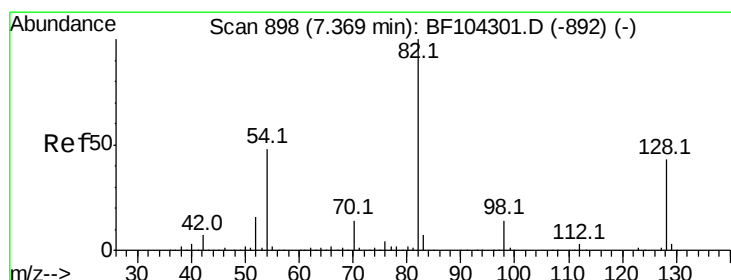
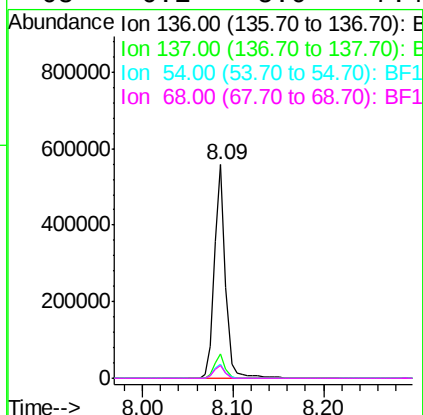
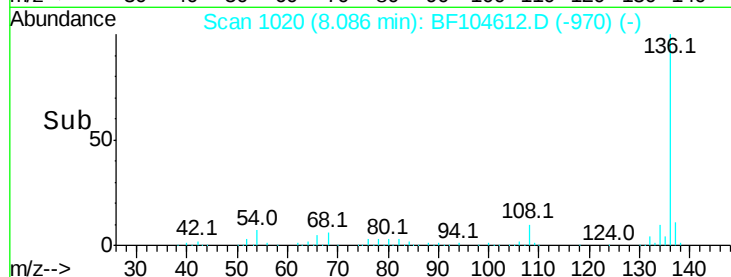
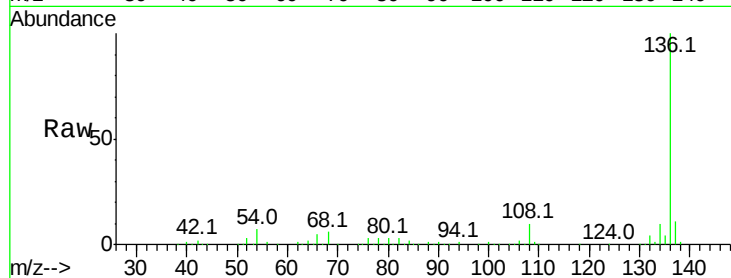




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104612.D
Acq: 18 Apr 2018 19:58

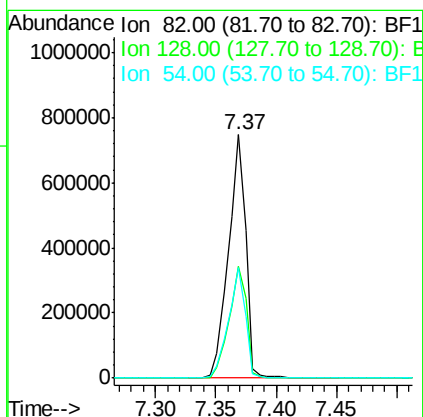
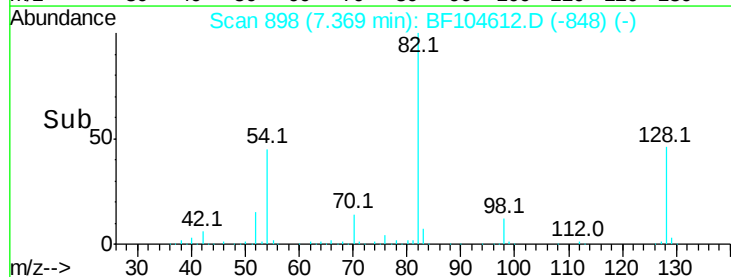
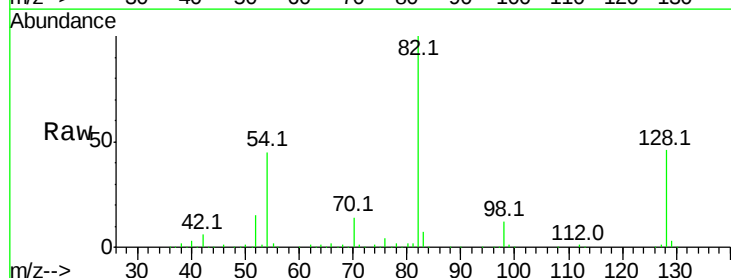
Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	477159
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.9	6.6	9.8
68	6.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 102.272 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104612.D
Acq: 18 Apr 2018 19:58

Tgt Ion:	82	Resp:	747341
Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.1	54.1
54	45.3	41.4	62.2





#25

Isophorone

Concen: 48.363 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104612.D

Acq: 18 Apr 2018 19:58

Instrument :

BNA_F

ClientSampleId :

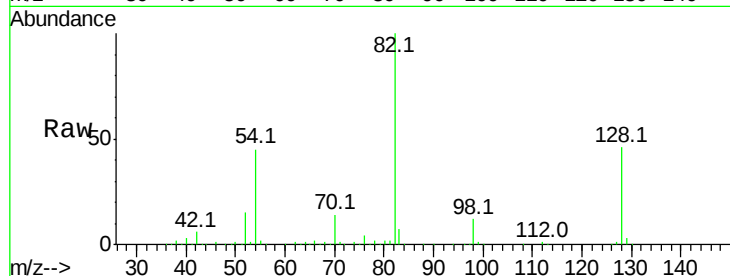
Tot Ion: 82 Resp: 747336

Ion Ratio Lower Upper

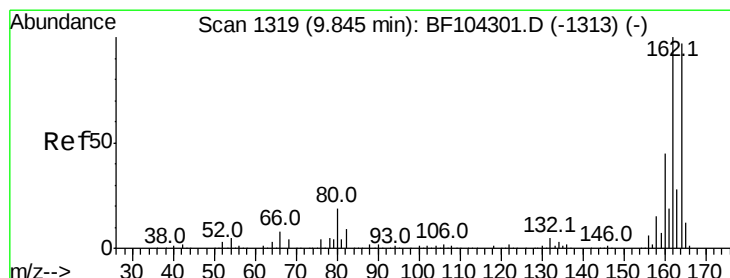
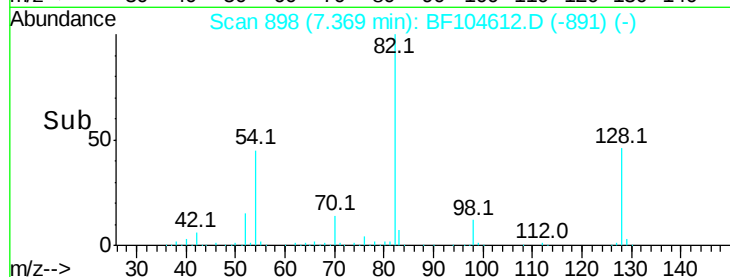
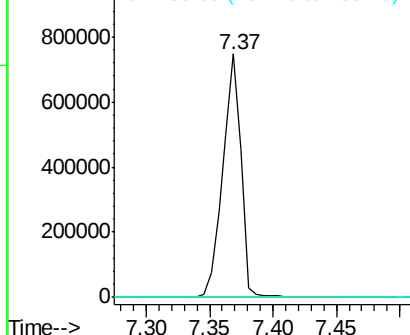
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104612.D

Acq: 18 Apr 2018 19:58

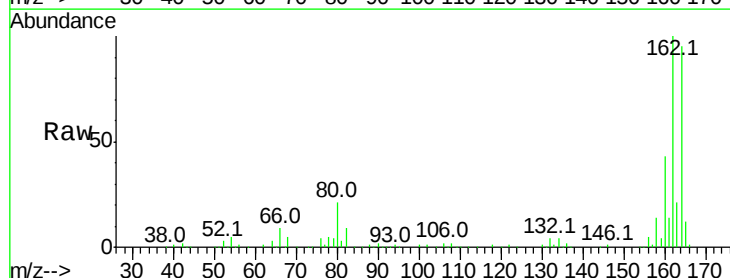
Tgt Ion:164 Resp: 190480

Ion Ratio Lower Upper

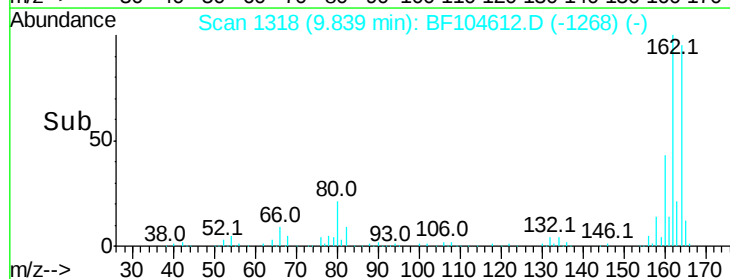
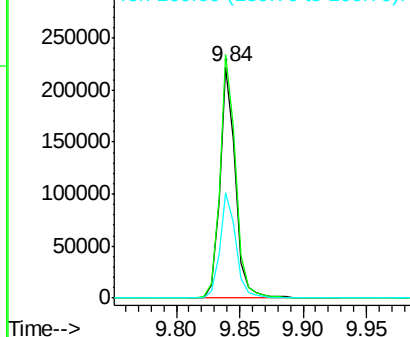
164 100

162 105.3 86.1 129.1

160 45.3 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

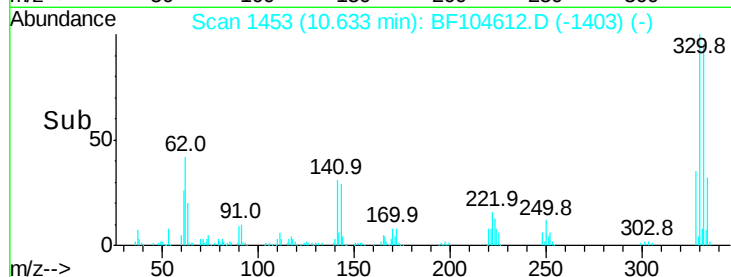
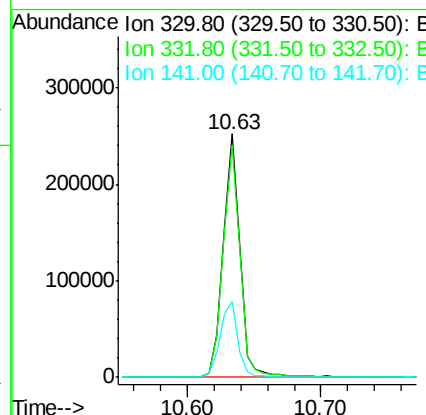
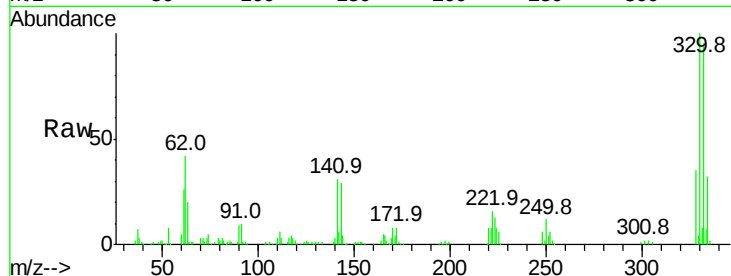




#41
 2,4,6-Tribromophenol
 Concen: 115.103 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104612.D
 Acq: 18 Apr 2018 19:58

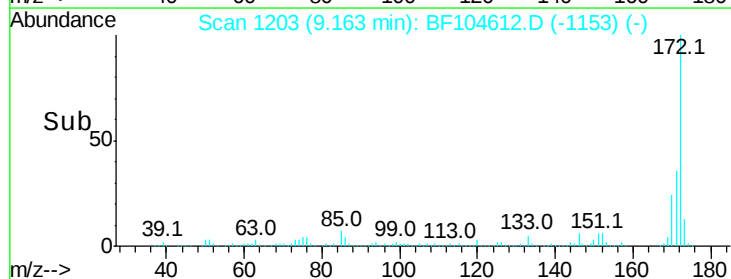
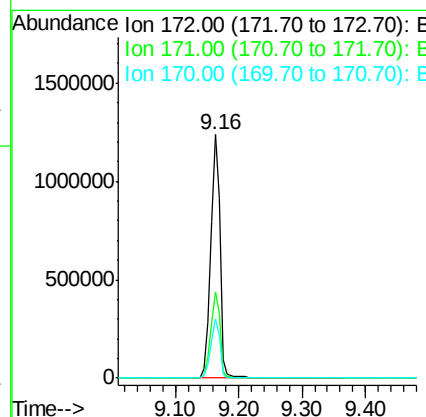
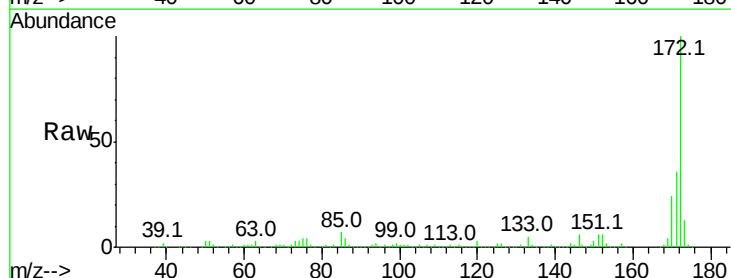
Instrument :
 BNA_F
 ClientSampleId :

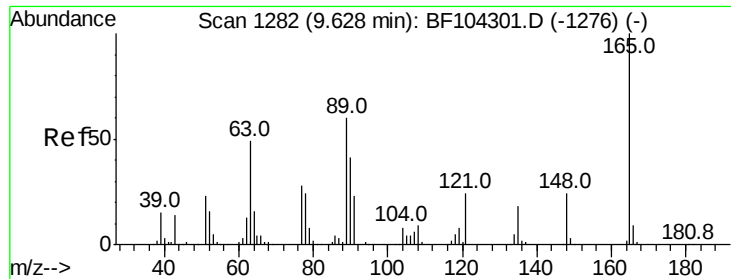
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	33.0	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 102.257 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104612.D
 Acq: 18 Apr 2018 19:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	24.2	19.6	29.4

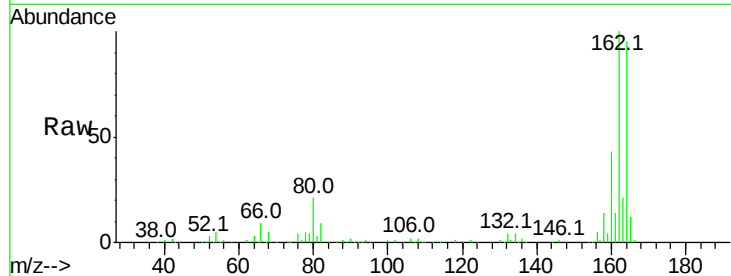




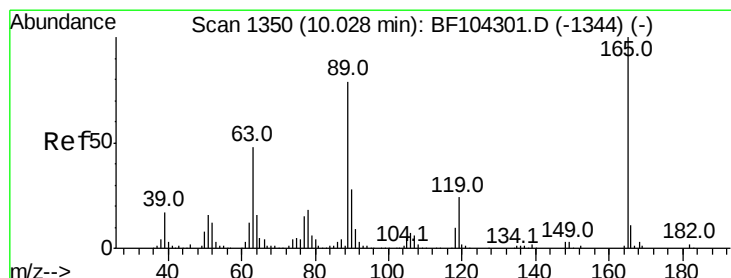
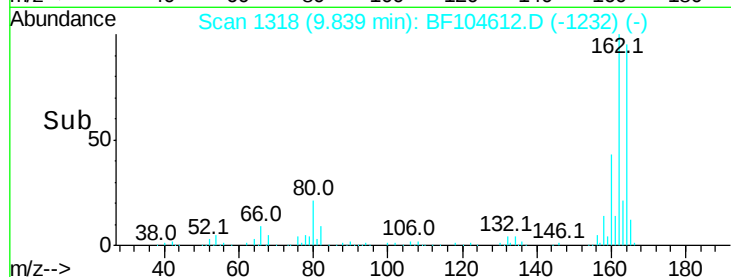
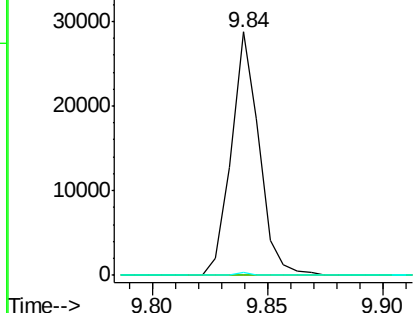
#50
 2,6-Dinitrotoluene
 Concen: 8.660 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF104612.D
 Acq: 18 Apr 2018 19:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.1	44.0	66.0#

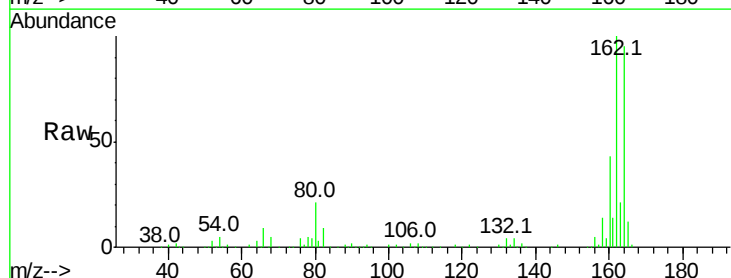


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

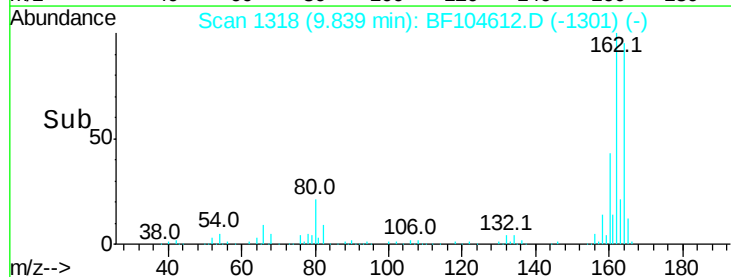
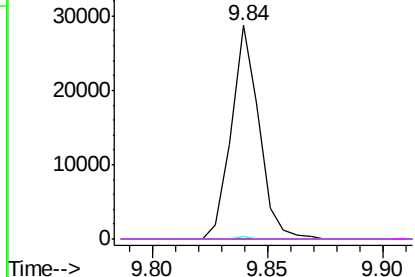


#56
 2,4-Dinitrotoluene
 Concen: 6.602 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104612.D
 Acq: 18 Apr 2018 19:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.1	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

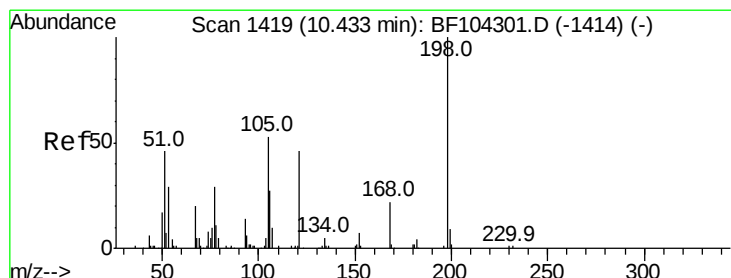
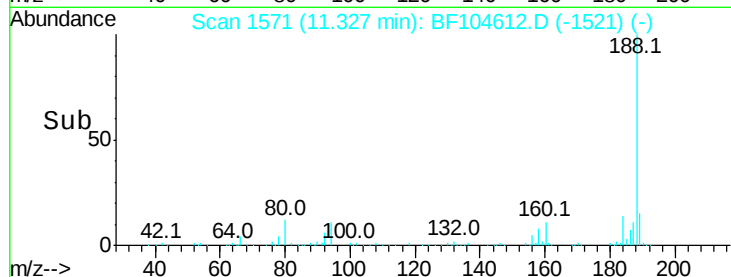
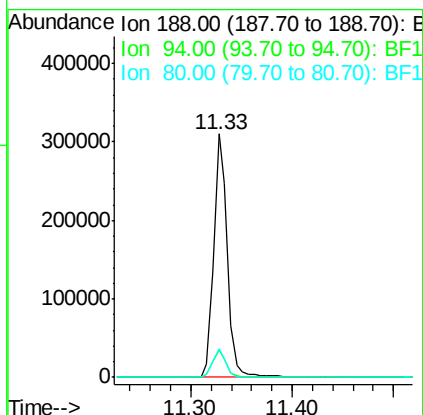
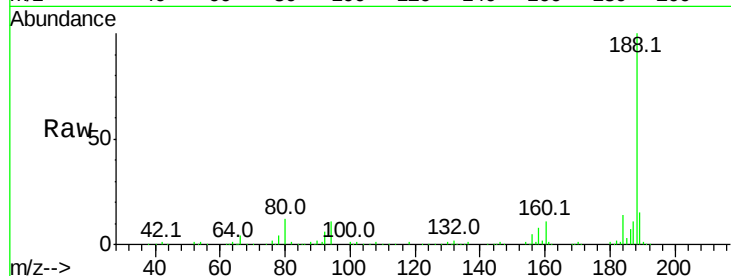




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104612.D
Acq: 18 Apr 2018 19:58

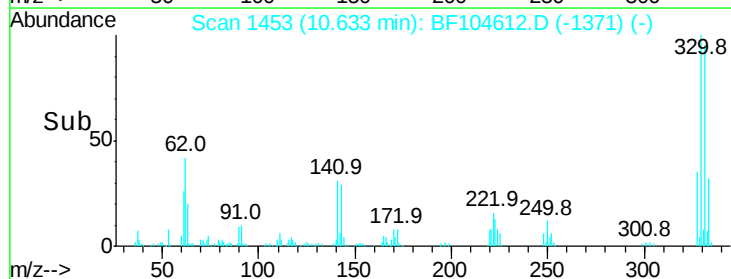
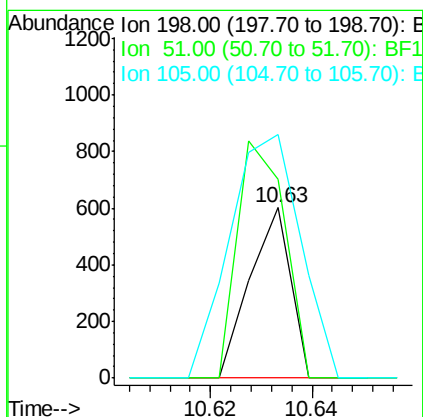
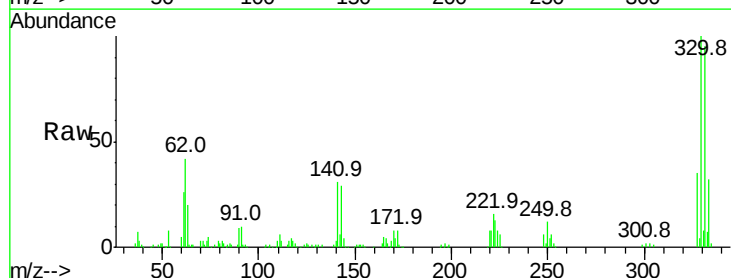
Instrument :
BNA_F
ClientSampleId :

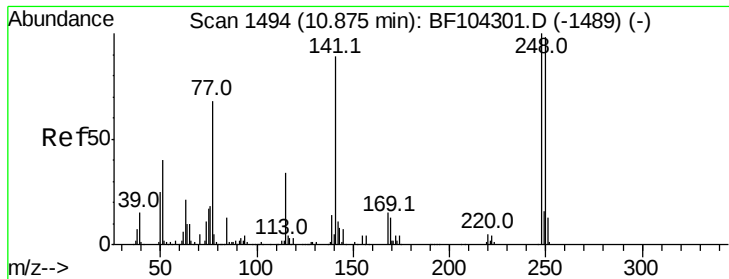
Tot Ion:188 Resp: 288130
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 11.6 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.549 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104612.D
Acq: 18 Apr 2018 19:58

Tgt Ion:198 Resp: 334
Ion Ratio Lower Upper
198 100
51 116.6 37.7 77.7#
105 142.9 36.3 76.3#

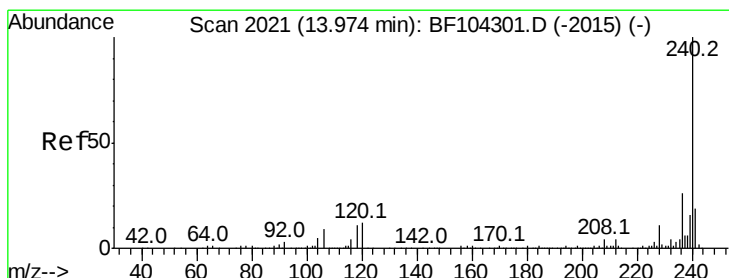
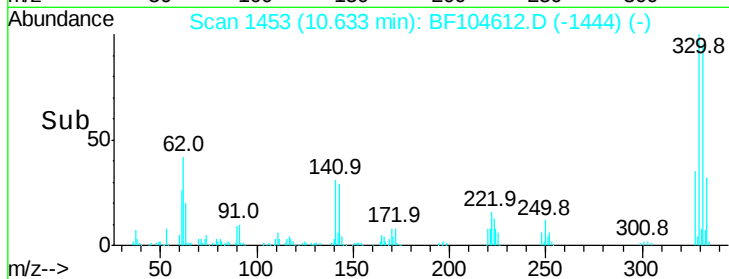
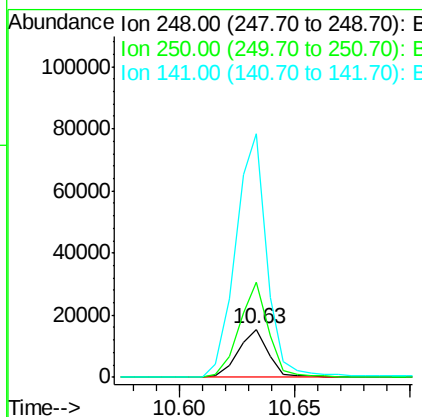
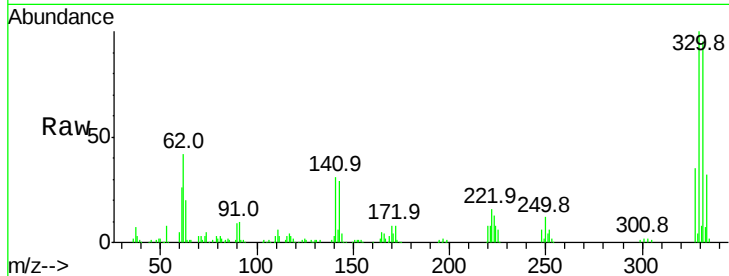




#66
 4-Bromophenyl-phenylether
 Concen: 4.520 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.25 min
 Lab File: BF104612.D
 Acq: 18 Apr 2018 19:58

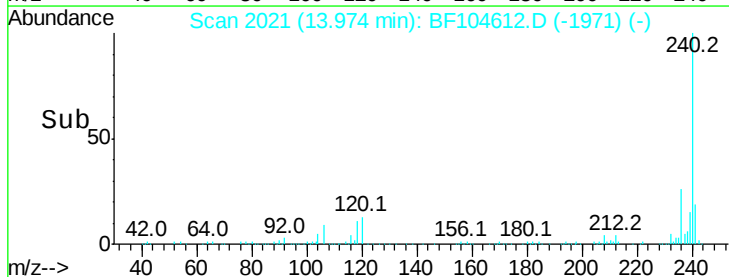
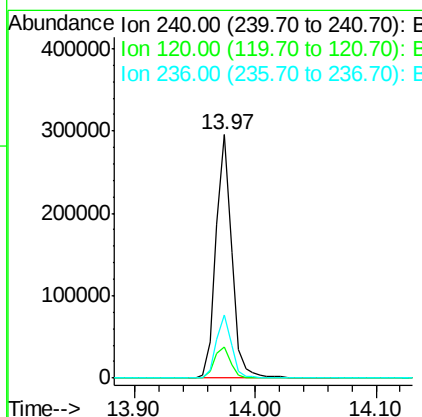
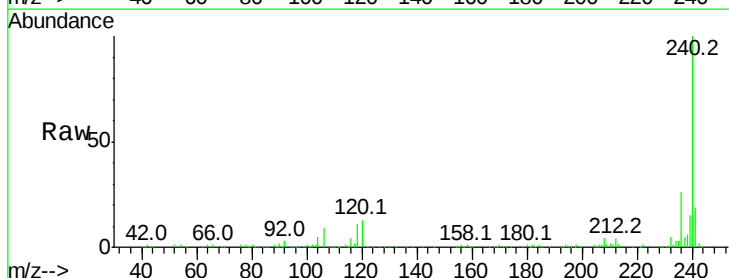
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 13853
 Ion Ratio Lower Upper
 248 100
 250 199.1 76.9 115.3#
 141 509.4 74.4 111.6#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF104612.D
 Acq: 18 Apr 2018 19:58

Tgt Ion:240 Resp: 265186
 Ion Ratio Lower Upper
 240 100
 120 12.6 9.5 14.3
 236 25.8 20.7 31.1





#78

Terphenyl-d14

Concen: 82.247 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104612.D

Acq: 18 Apr 2018 19:58

Instrument :

BNA_F

ClientSampleId :

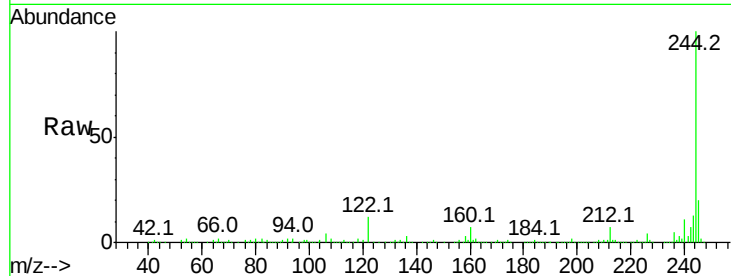
Tot Ion:244 Resp: 956682

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

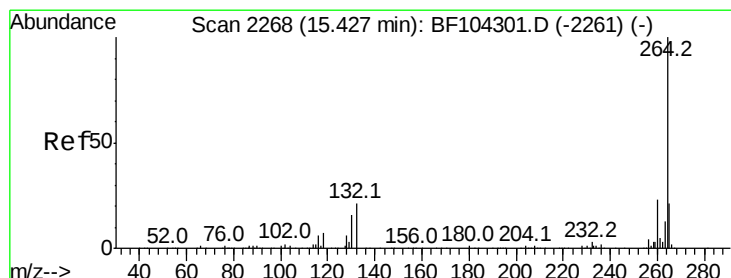
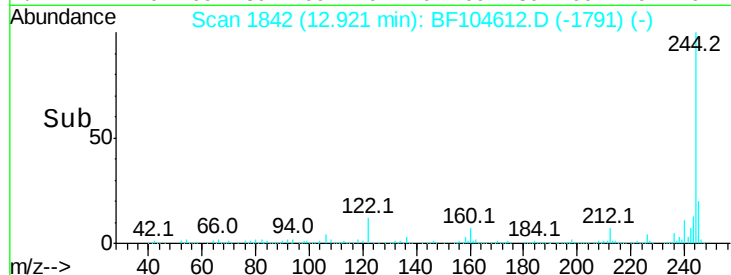
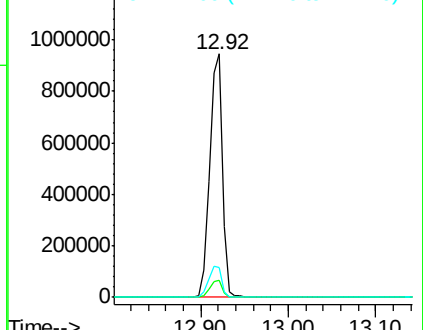
122 12.0 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. -0.00 min

Lab File: BF104612.D

Acq: 18 Apr 2018 19:58

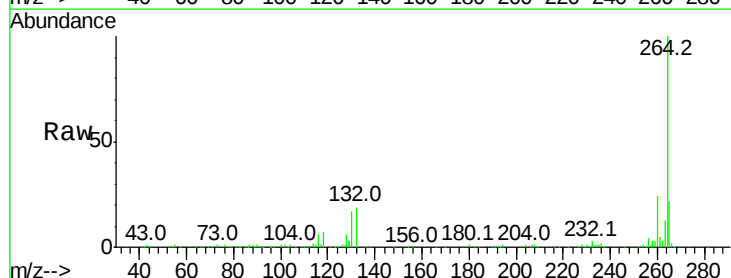
Tgt Ion:264 Resp: 259369

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.8 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

