

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041118\
 Data File : BF104443.D
 Acq On : 11 Apr 2018 17:28
 Operator : JU/SJ
 Sample : J2319-01 50X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 11 18:38:59 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

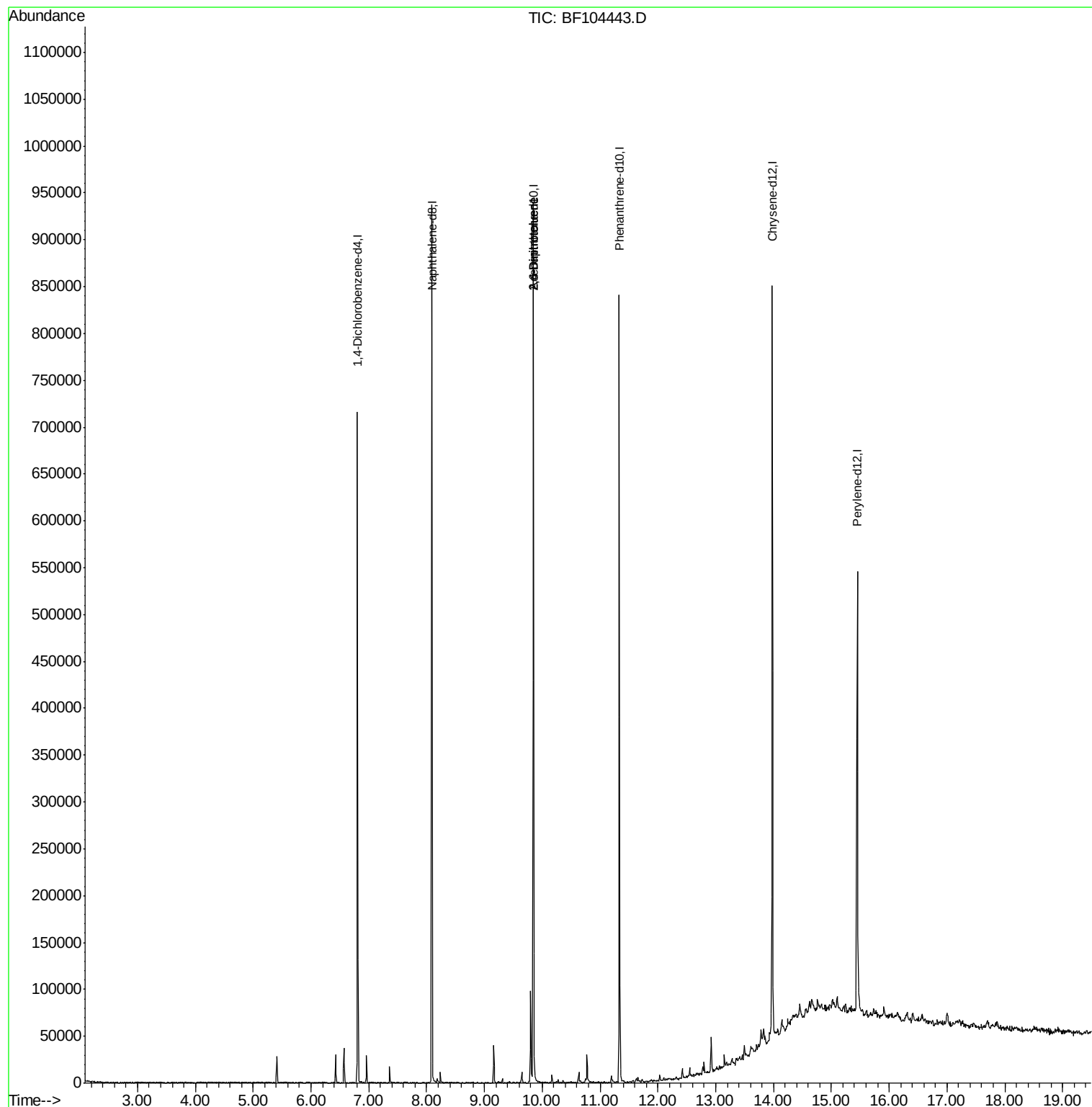
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	106673	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	412723	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	173649	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	284255	20.00	ng	0.00
75) Chrysene-d12	13.98	240	242818	20.00	ng	0.00
86) Perylene-d12	15.45	264	212751	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	8694	1.25	ng	0.00
7) Phenol-d6	6.43	99	10775	1.26	ng	-0.01
23) Nitrobenzene-d5	7.36	82	5680	0.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	1797	1.00	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	12278	1.12	ng	0.00
78) Terphenyl-d14	12.92	244	11457	1.08	ng	0.00
Target Compounds						
50) 2,6-Dinitrotoluene	9.84	165	21786	8.598	ng	# 25
56) 2,4-Dinitrotoluene	9.84	165	21786	6.555	ng	# 22

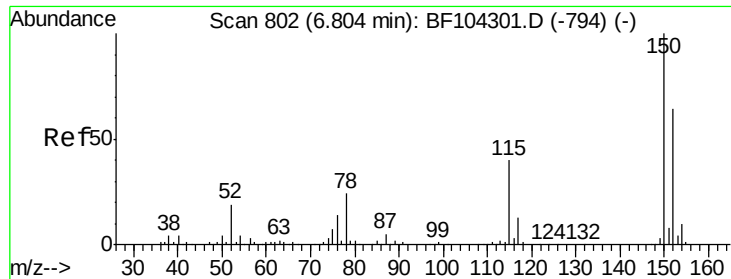
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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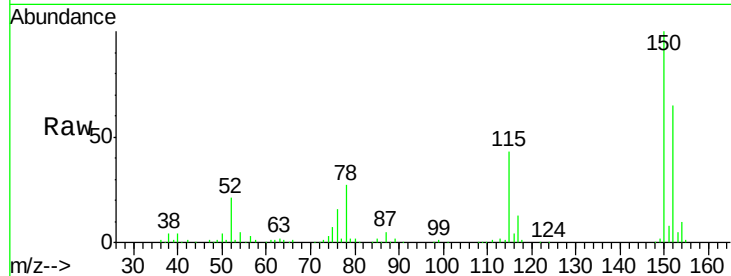


#1

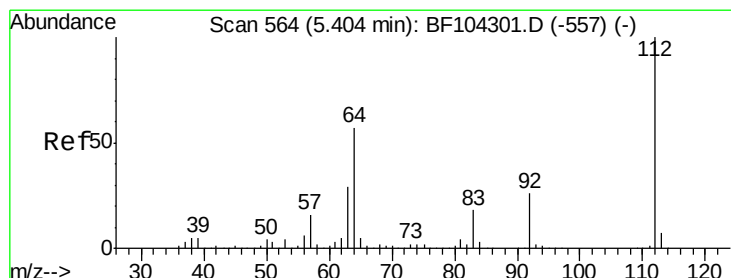
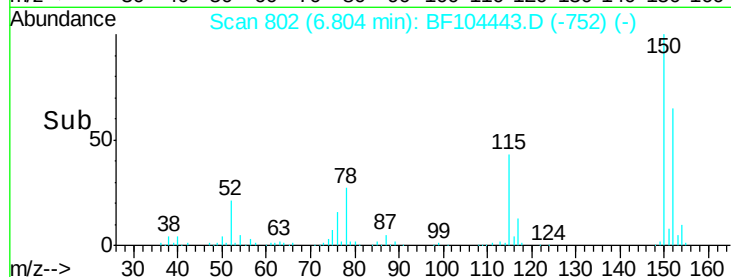
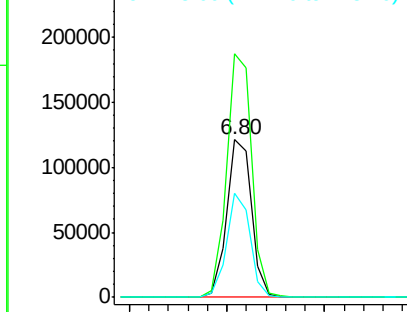
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF104443.D
Acq: 11 Apr 2018 17:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 106673
Ion Ratio Lower Upper
152 100
150 154.5 124.6 186.8
115 65.7 50.1 75.1



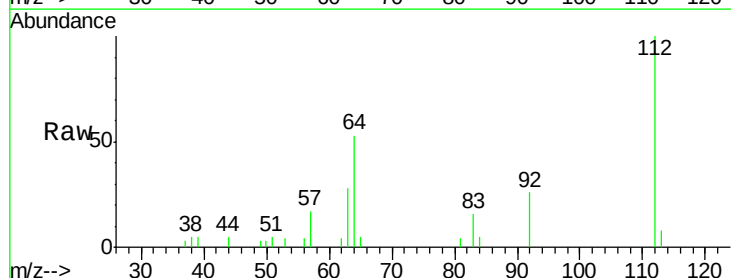
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



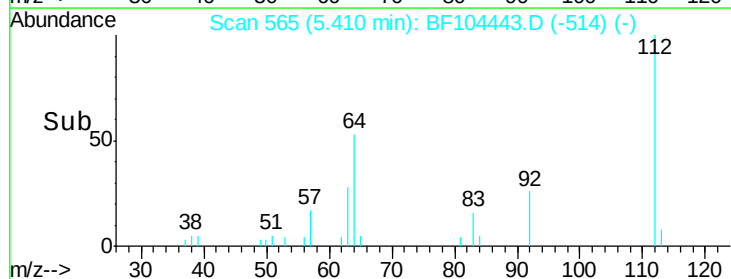
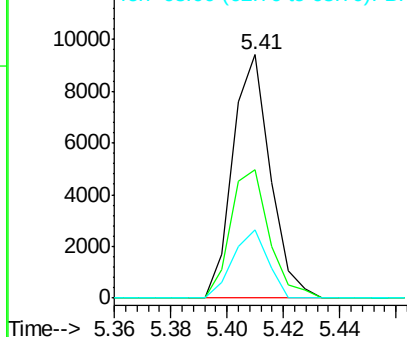
#5

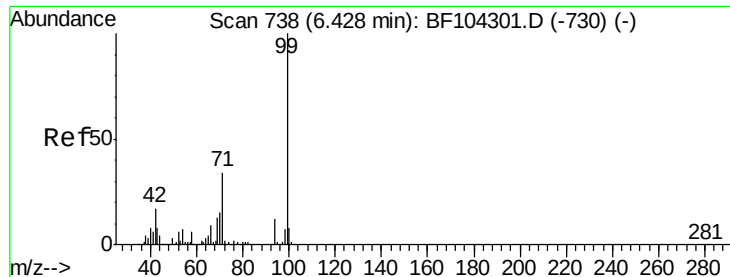
2-Fluorophenol
Concen: 1.246 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: BF104443.D
Acq: 11 Apr 2018 17:28

Tgt Ion:112 Resp: 8694
Ion Ratio Lower Upper
112 100
64 52.6 47.9 71.9
63 27.9 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: 1.257 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF104443.D

Acq: 11 Apr 2018 17:28

Instrument :

BNA_F

ClientSampleId :

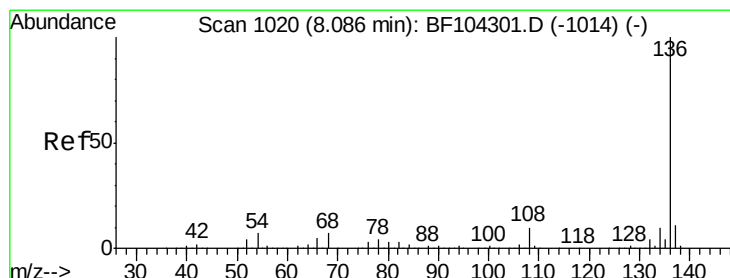
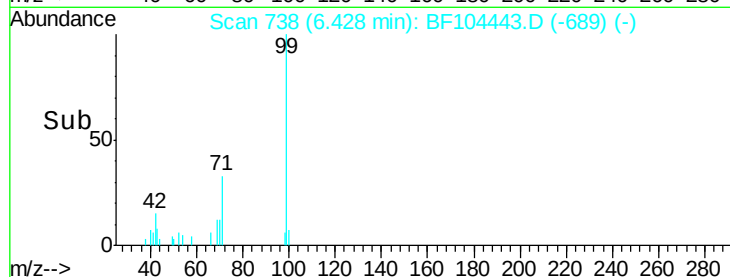
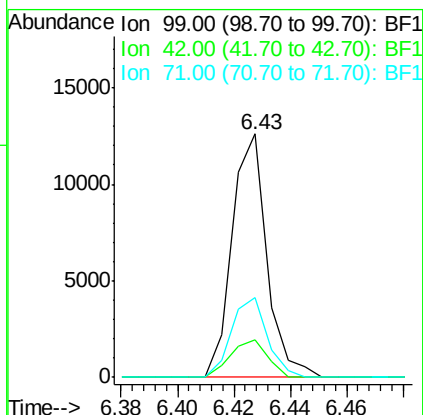
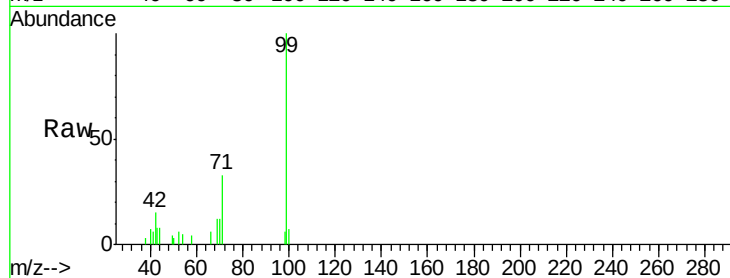
Tot Ion: 99 Resp: 10775

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

71 32.6 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104443.D

Acq: 11 Apr 2018 17:28

Tgt Ion: 136 Resp: 412723

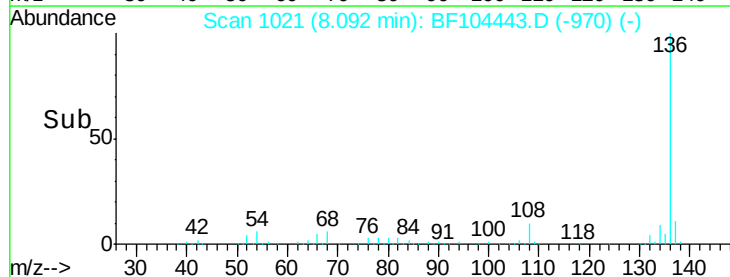
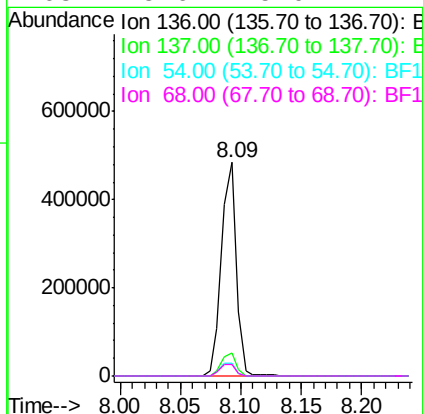
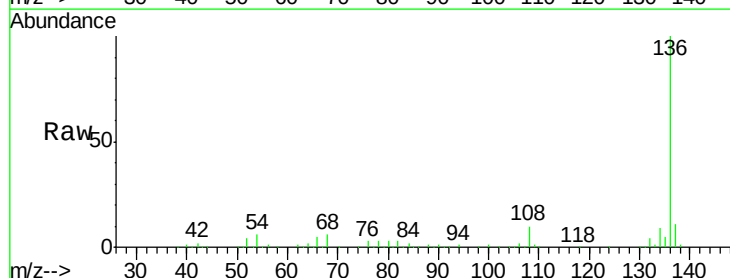
Ion Ratio Lower Upper

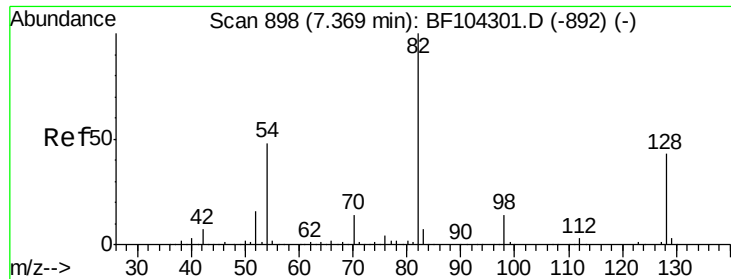
136 100

137 11.0 8.9 13.3

54 6.2 6.6 9.8#

68 5.6 5.0 7.4

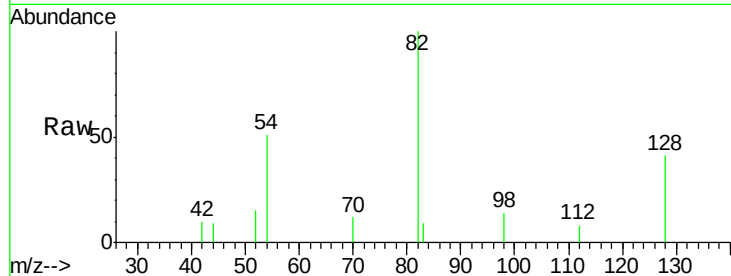




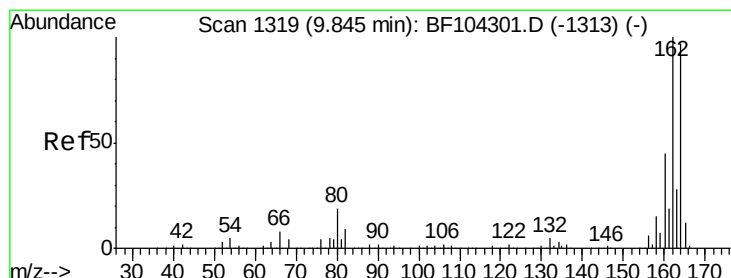
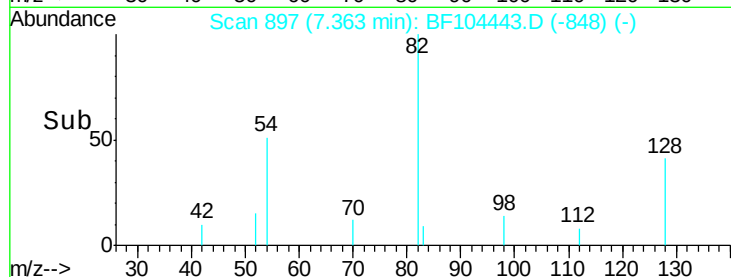
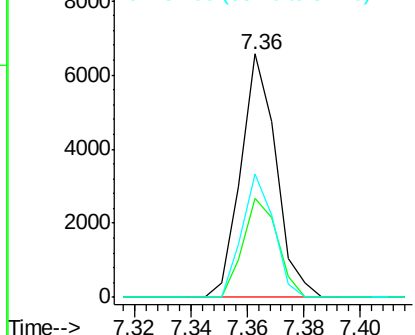
#23
Nitrobenzene-d5
Concen: 0.899 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104443.D
Acq: 11 Apr 2018 17:28

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 5680
Ion Ratio Lower Upper
82 100
128 40.9 36.1 54.1
54 50.8 41.4 62.2

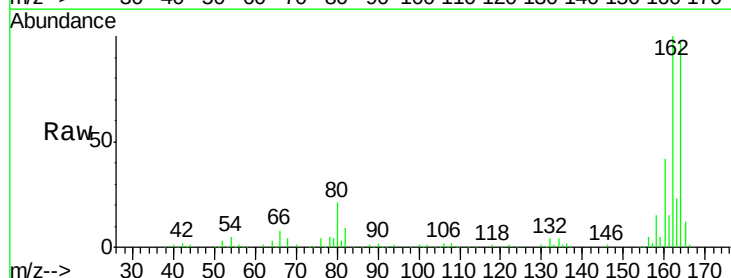


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

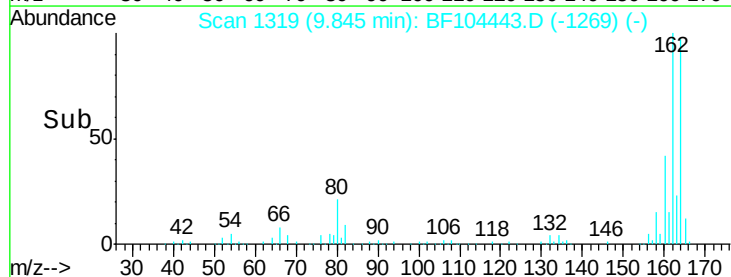
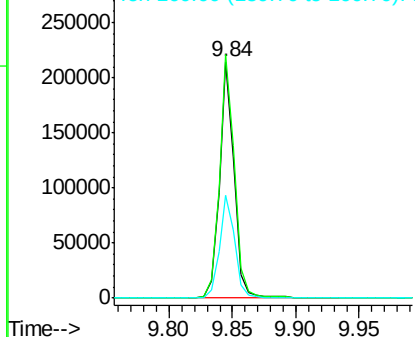


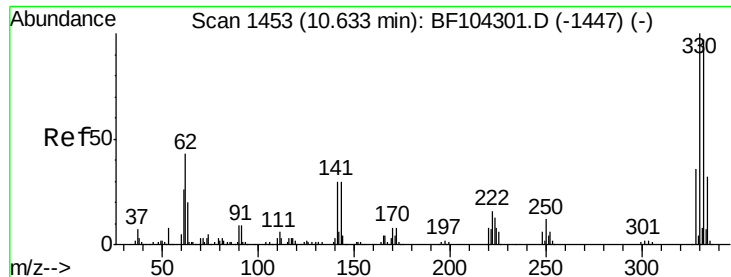
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF104443.D
Acq: 11 Apr 2018 17:28

Tgt Ion:164 Resp: 173649
Ion Ratio Lower Upper
164 100
162 103.2 86.1 129.1
160 43.7 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

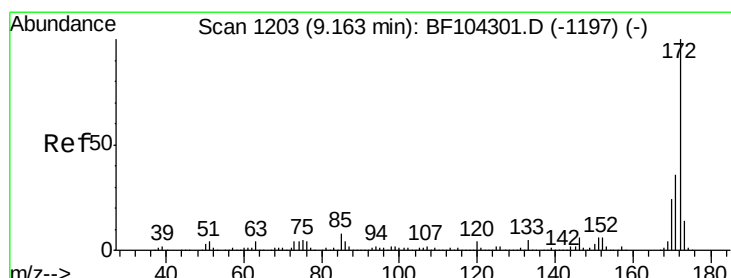
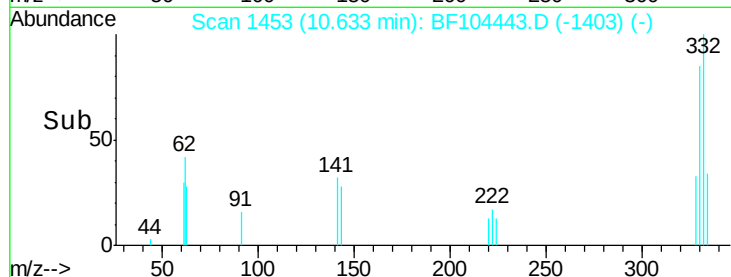
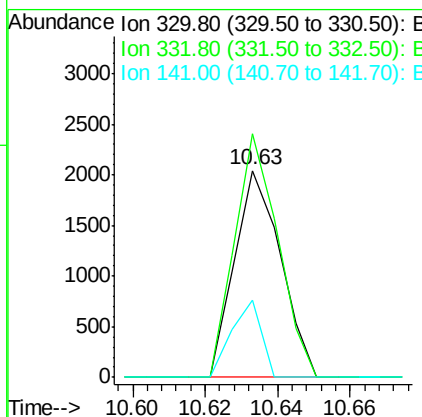
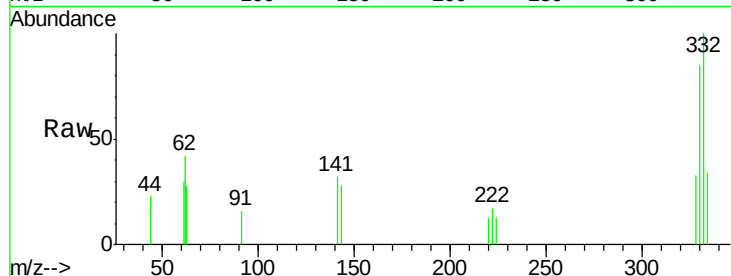




#41
 2,4,6-Tribromophenol
 Concen: 0.998 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104443.D
 Acq: 11 Apr 2018 17:28

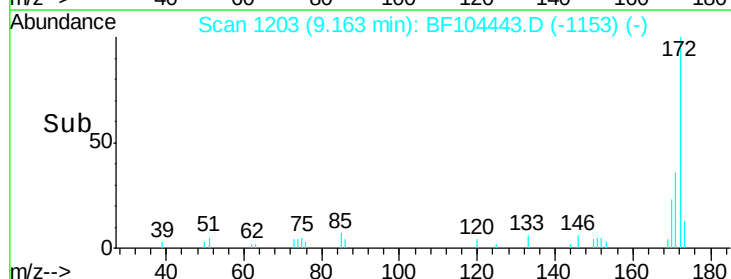
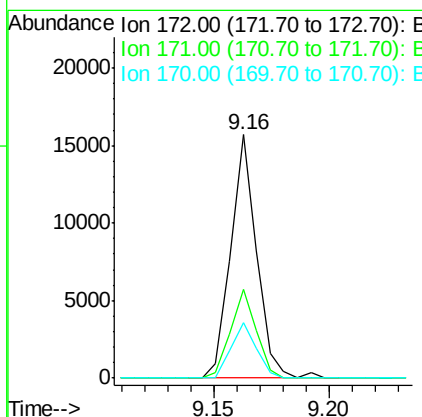
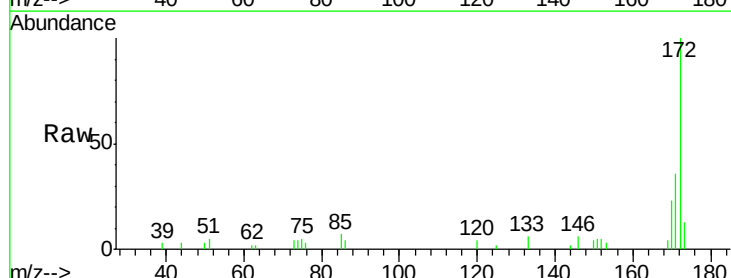
Instrument :
 BNA_F
 ClientSampleId :

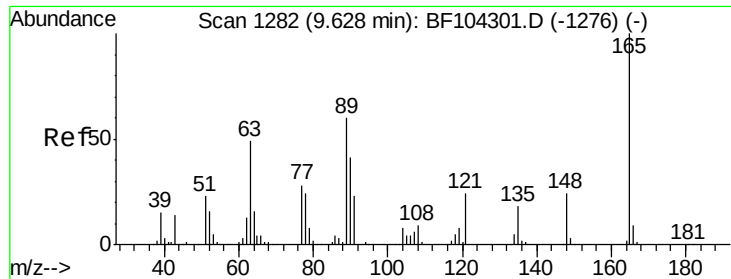
Tot Ion:330 Resp: 1797
 Ion Ratio Lower Upper
 330 100
 332 111.3 77.0 115.6
 141 24.2 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 1.117 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104443.D
 Acq: 11 Apr 2018 17:28

Tgt Ion:172 Resp: 12278
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.7 44.5
 170 22.7 19.6 29.4

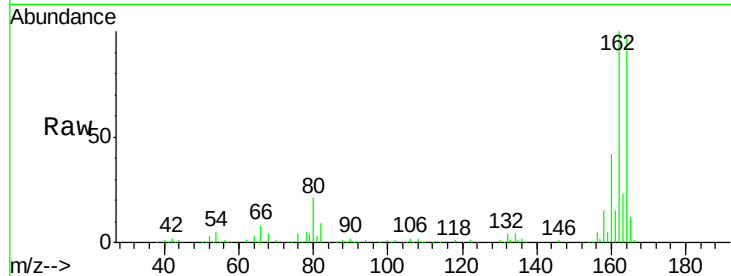




#50
 2,6-Dinitrotoluene
 Concen: 8.598 ng
 RT: 9.84 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF104443.D
 Acq: 11 Apr 2018 17:28

Instrument :
 BNA_F
 ClientSampleId :

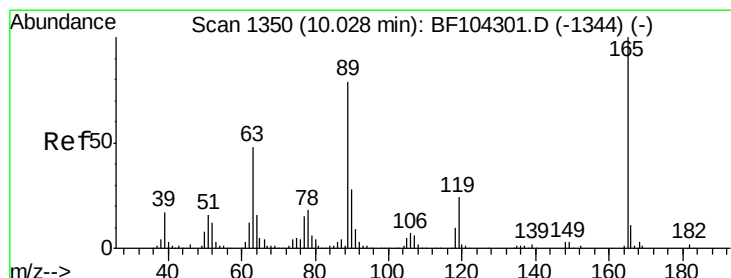
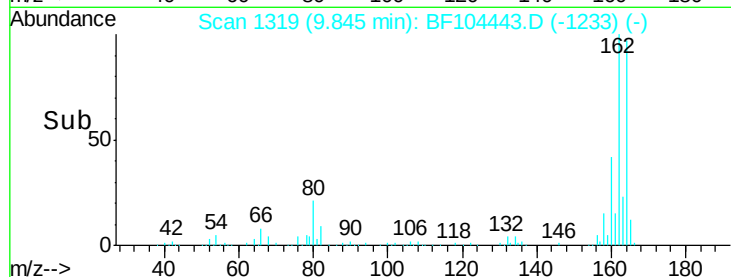
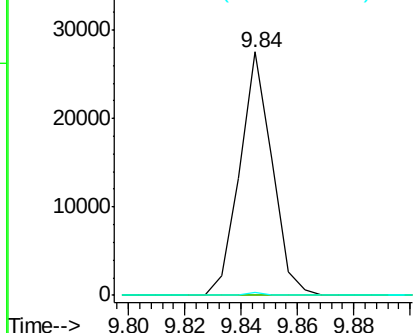
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.4	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

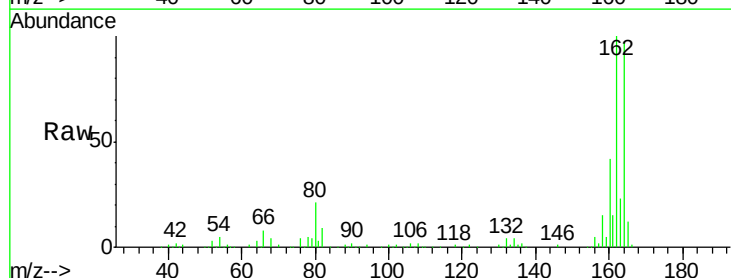
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
 2,4-Dinitrotoluene
 Concen: 6.555 ng
 RT: 9.84 min Scan# 1319
 Delta R.T. -0.19 min
 Lab File: BF104443.D
 Acq: 11 Apr 2018 17:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

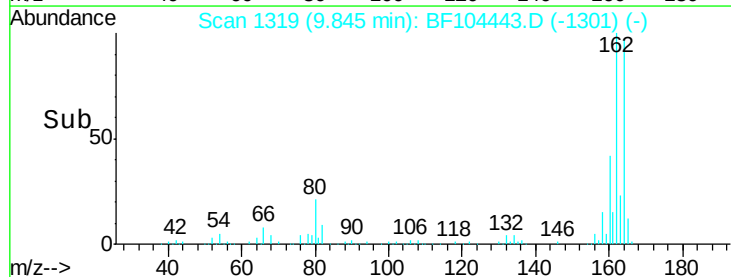
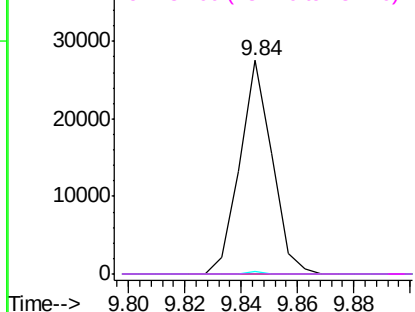


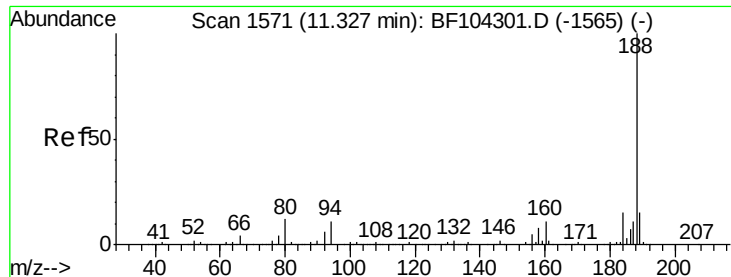
Abundance Ion 165.00 (164.70 to 165.70): E

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

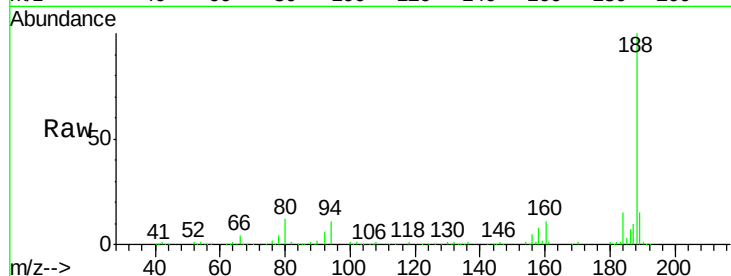




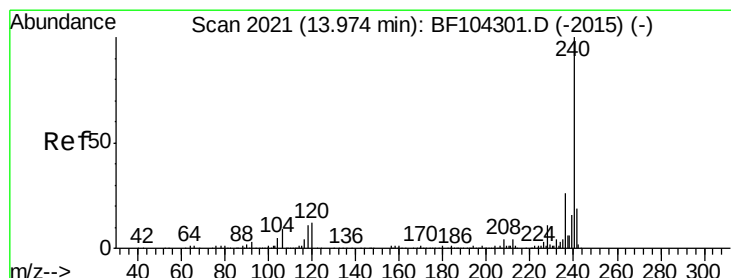
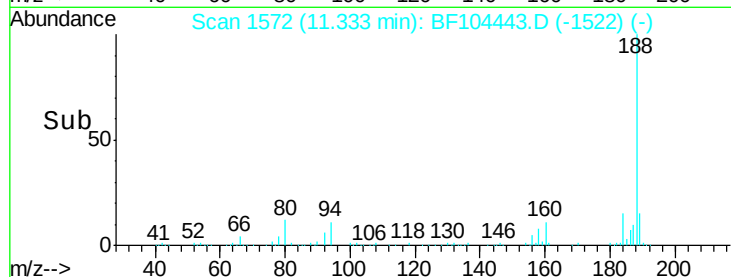
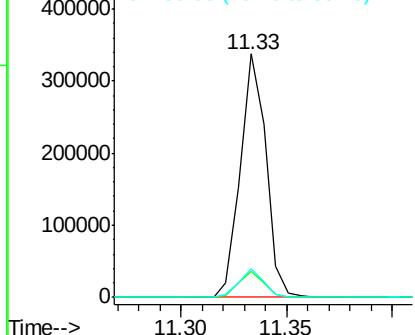
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF104443.D
Acq: 11 Apr 2018 17:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.5	12.7
80	11.8	9.2	13.8

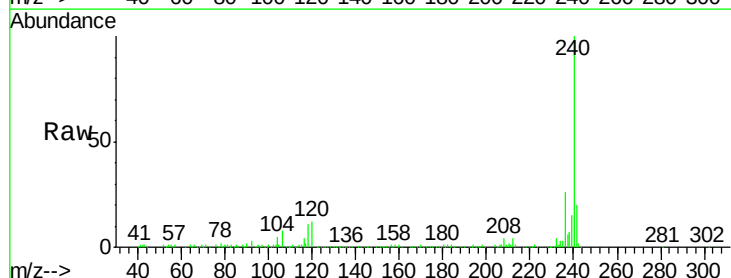


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

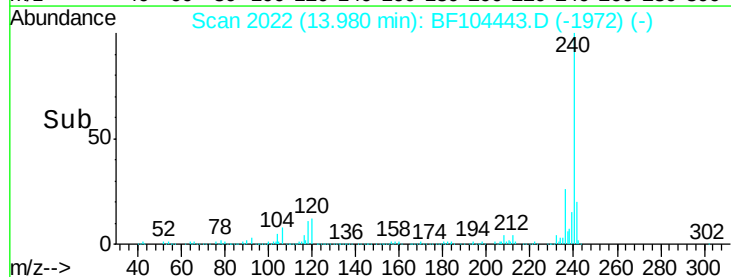
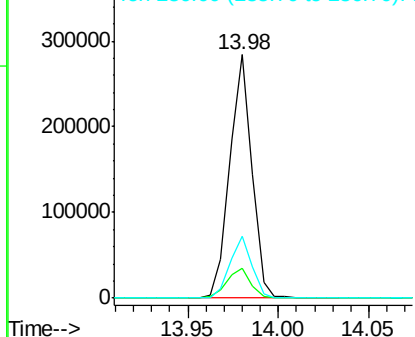


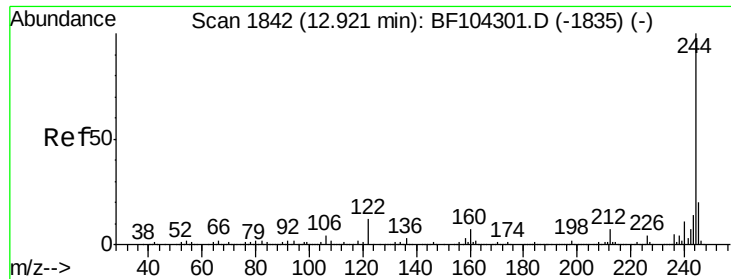
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF104443.D
Acq: 11 Apr 2018 17:28

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.5	14.3
236	25.6	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

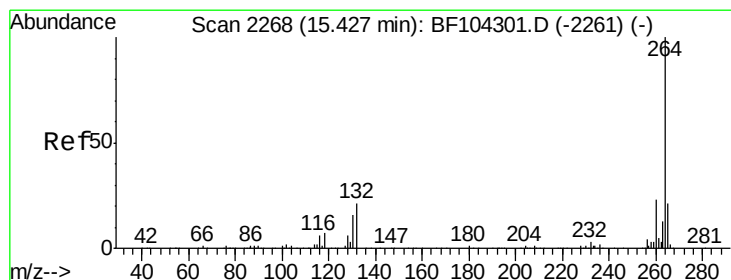
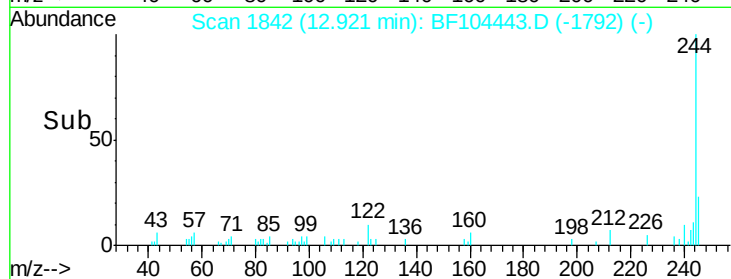
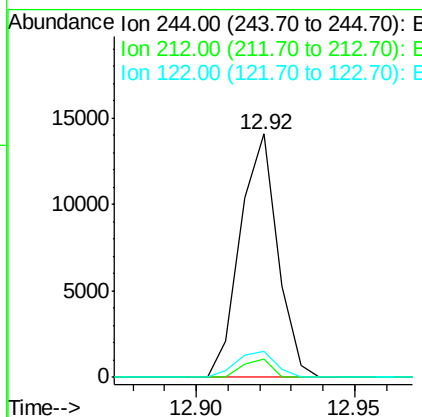
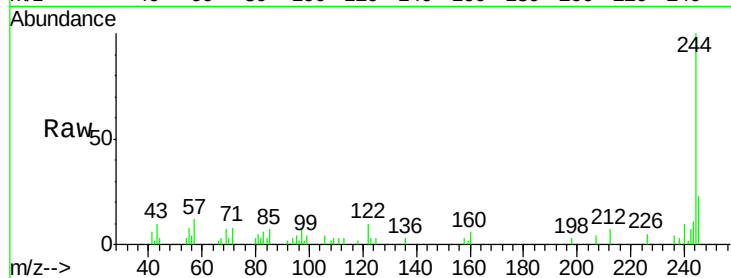




#78
 Terphenyl-d14
 Concen: 1.076 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: BF104443.D
 Acq: 11 Apr 2018 17:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.0
122	10.5	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: BF104443.D
 Acq: 11 Apr 2018 17:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.7	17.5	26.3

