

Data File : BF100749.D
Acq On : 20 Nov 2017 23:54
Operator : SJ/JU
Sample : I6299-05 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-01-111617

Quant Time: Nov 21 03:32:42 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 15:22:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	100836	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	382373	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	161019	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	238528	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	217122	20.00	ng	-0.01
86) Perylene-d12	15.51	264	205992	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	139747	22.22	ng	-0.02
7) Phenol-d6	6.49	99	168388	21.71	ng	-0.02
23) Nitrobenzene-d5	7.43	82	97029	16.78	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	33205	20.24	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	205329	19.42	ng	-0.02
78) Terphenyl-d14	12.97	244	130932	13.86	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	12766	2.37	ng	# 80
25) Isophorone	7.43	82	97027	7.98	ng	# 64
47) 2-Nitroaniline	9.22	65	135	2.83	ng	# 1
50) 2,6-Dinitrotoluene	9.91	165	20809	8.55	ng	# 26
56) 2,4-Dinitrotoluene	9.91	165	20809	6.78	ng	# 24
74) Fluoranthene	12.60	202	26739	2.01	ng	91
88) Benzo(k)fluoranthene	15.07	252	23679	2.05	ng	# 76

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

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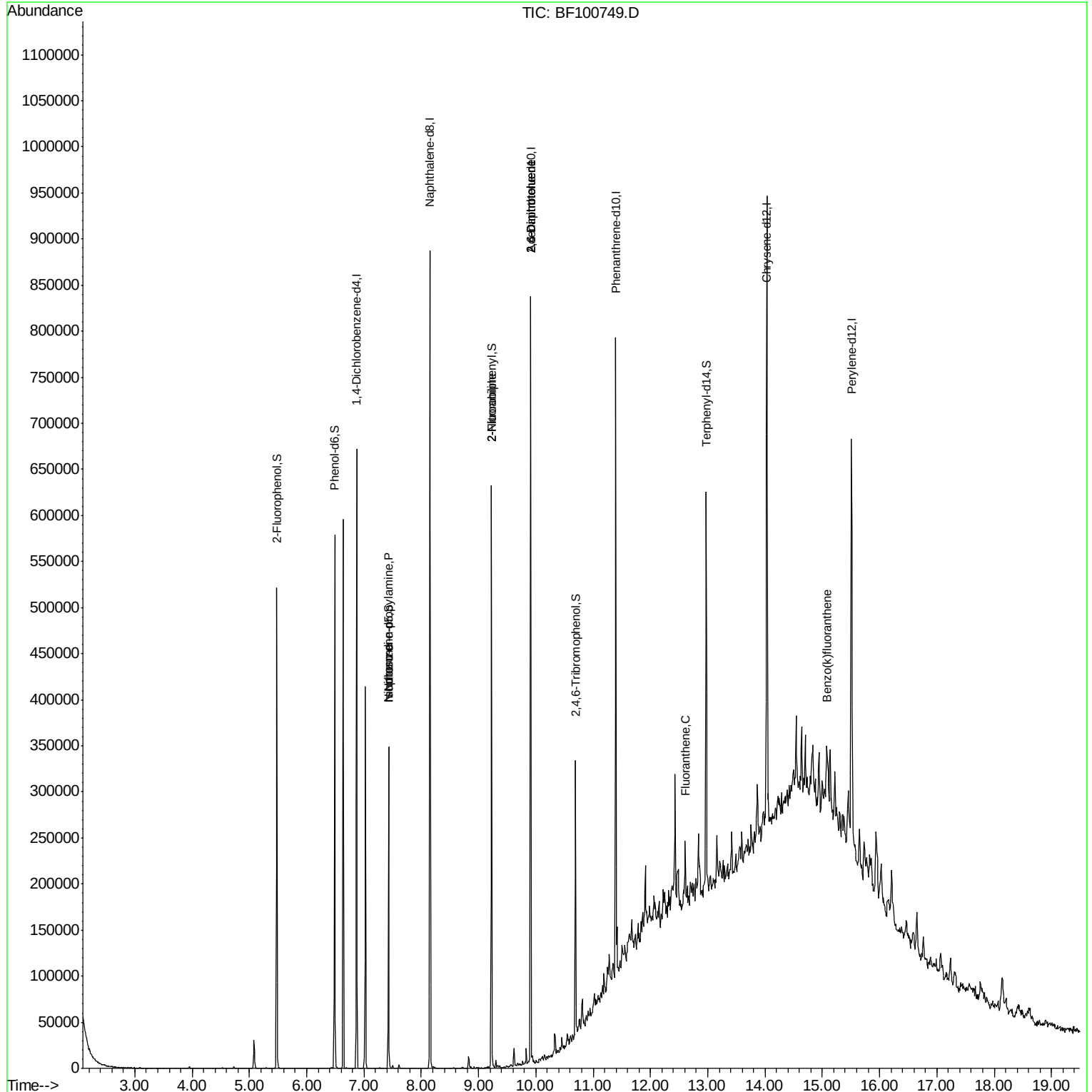
Quant Time: Nov 21 03:32:42 2017

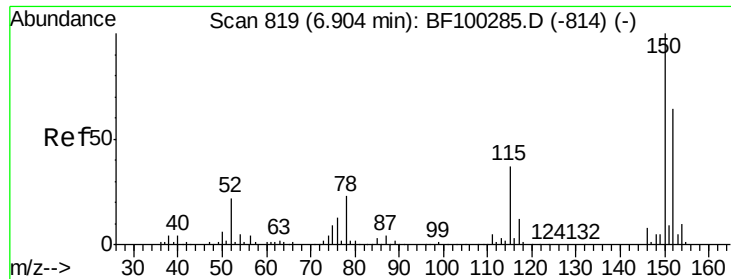
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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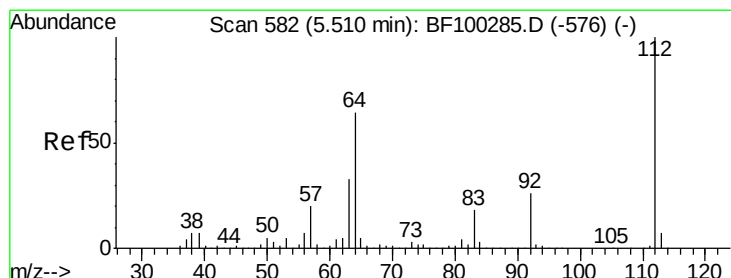
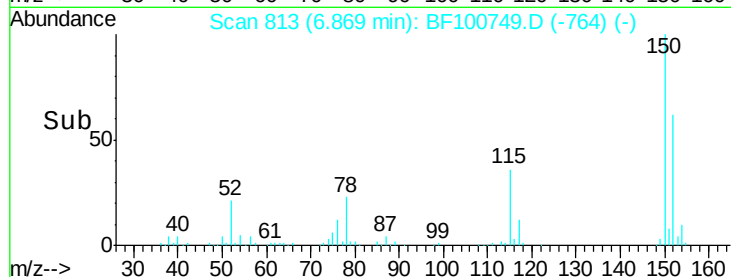
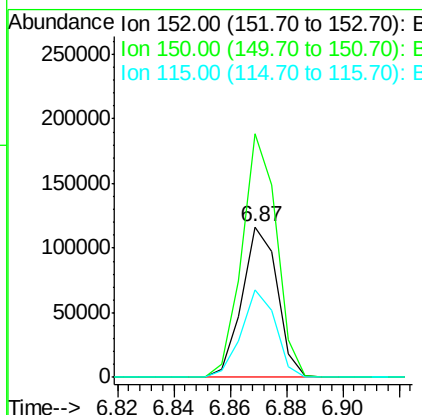
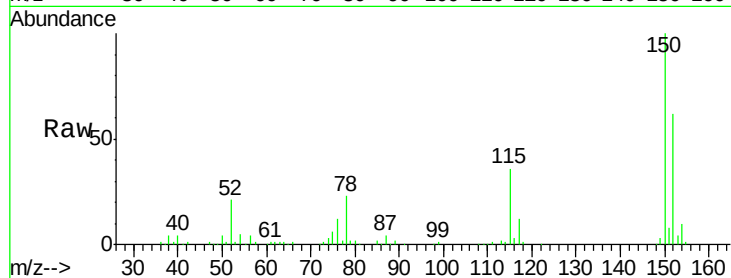


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF100749.D
Acq: 20 Nov 2017 23:54

Instrument :
BNA_F
ClientSampleId :
OK-01-111617

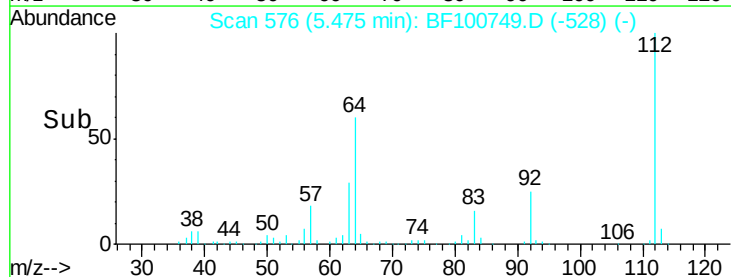
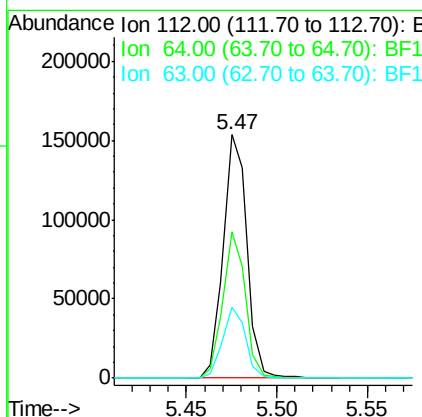
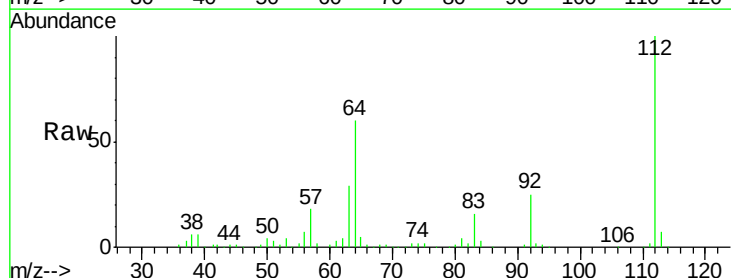
Tgt Ion:152 Resp: 100836
Ion Ratio Lower Upper
152 100
150 161.7 124.6 186.8
115 57.9 50.1 75.1

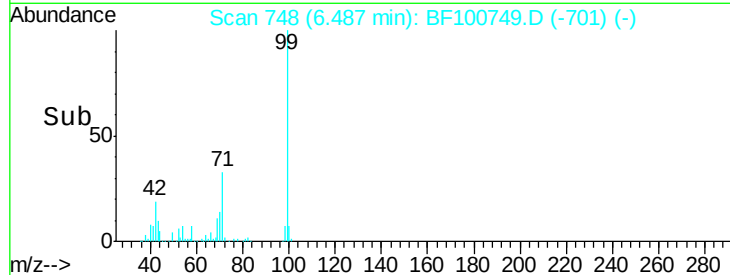
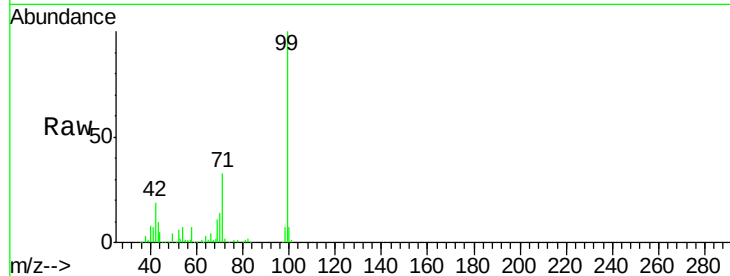
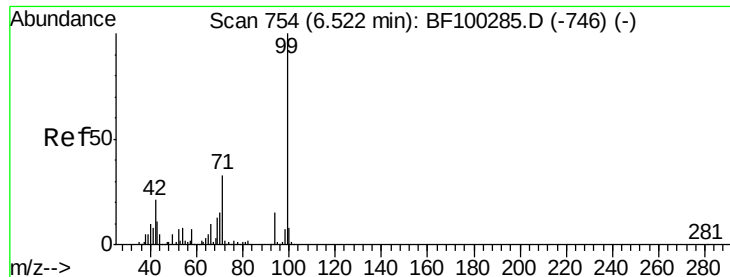


#5

2-Fluorophenol
Concen: 22.22 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.02 min
Lab File: BF100749.D
Acq: 20 Nov 2017 23:54

Tgt Ion:112 Resp: 139747
Ion Ratio Lower Upper
112 100
64 59.9 47.9 71.9
63 29.3 23.7 35.5





#7

Phenol-d6

Concen: 21.71 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF100749.D

Acq: 20 Nov 2017 23:54

Instrument :

BNA_F

ClientSampleId :

OK-01-111617

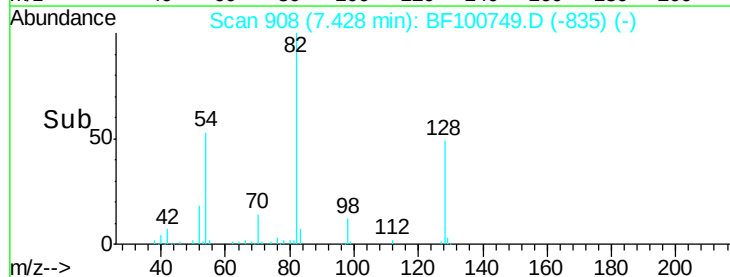
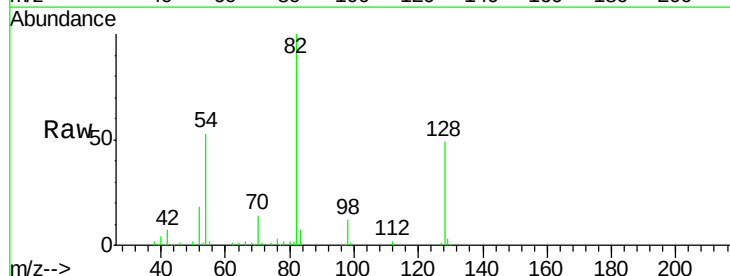
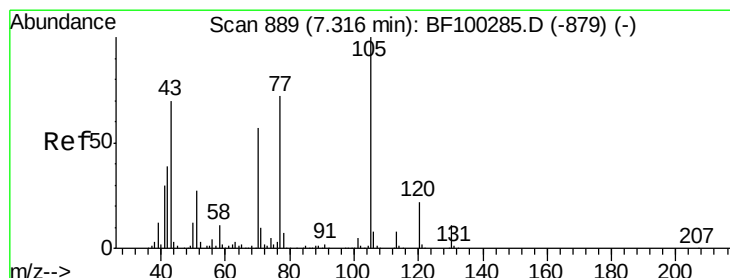
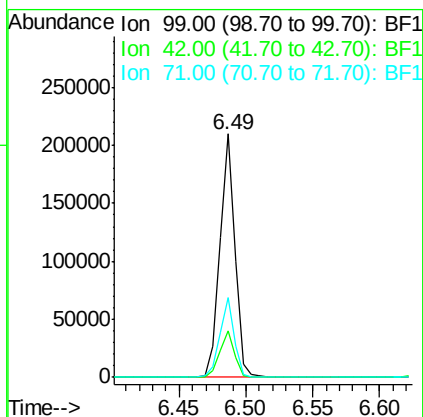
Tgt Ion: 99 Resp: 168388

Ion Ratio Lower Upper

99 100

42 19.1 14.5 21.7

71 32.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.37 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.13 min

Lab File: BF100749.D

Acq: 20 Nov 2017 23:54

Tgt Ion: 70 Resp: 12766

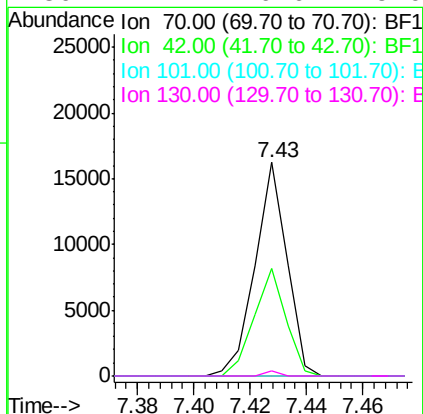
Ion Ratio Lower Upper

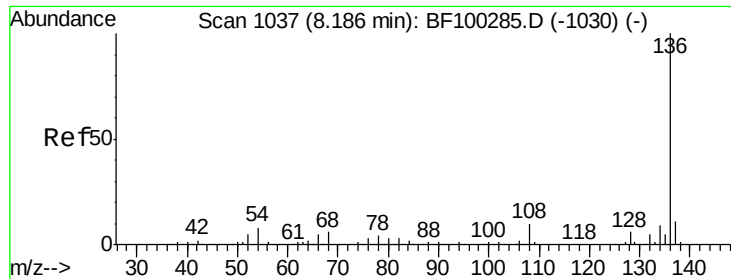
70 100

42 50.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

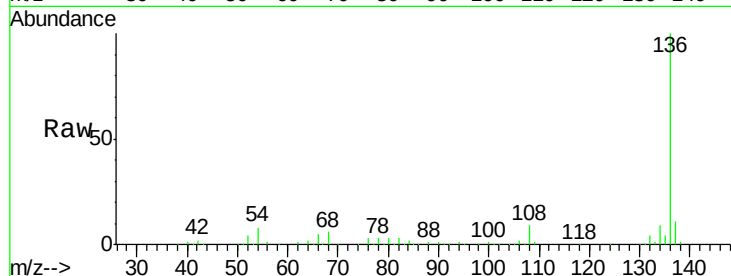




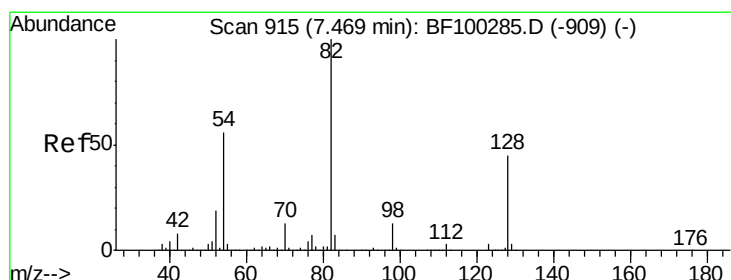
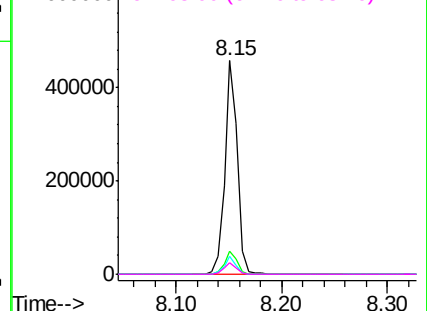
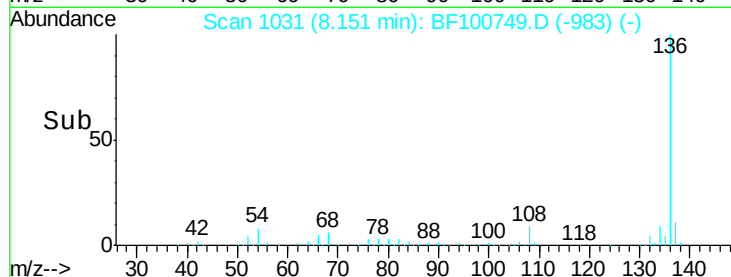
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF100749.D
Acq: 20 Nov 2017 23:54

Instrument :
BNA_F
ClientSampleId :
OK-01-111617

Tgt Ion:	136	Resp:	382373
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.4	6.6	9.8
68	5.5	5.0	7.4

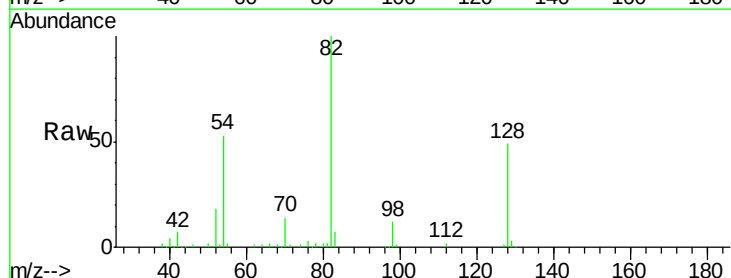


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

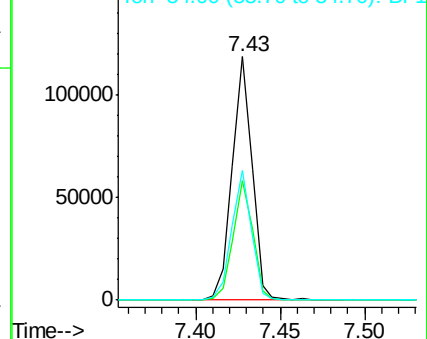
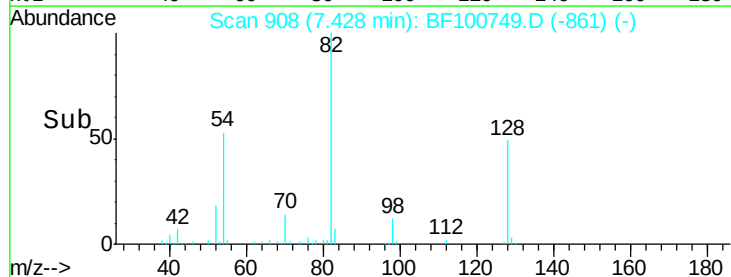


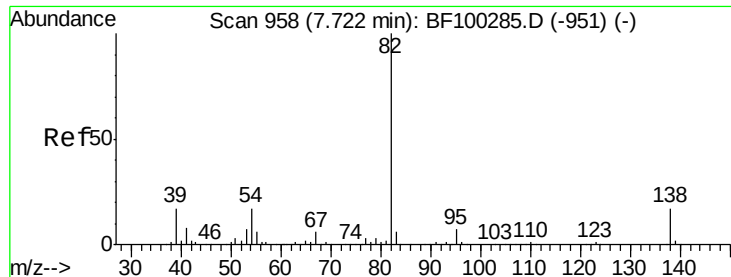
#23
Nitrobenzene-d5
Concen: 16.78 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.02 min
Lab File: BF100749.D
Acq: 20 Nov 2017 23:54

Tgt Ion:	82	Resp:	97029
Ion	Ratio	Lower	Upper
82	100		
128	49.0	36.1	54.1
54	53.5	41.4	62.2



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: 7.98 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.28 min

Lab File: BF100749.D

Acq: 20 Nov 2017 23:54

Instrument :

BNA_F

ClientSampleId :

OK-01-111617

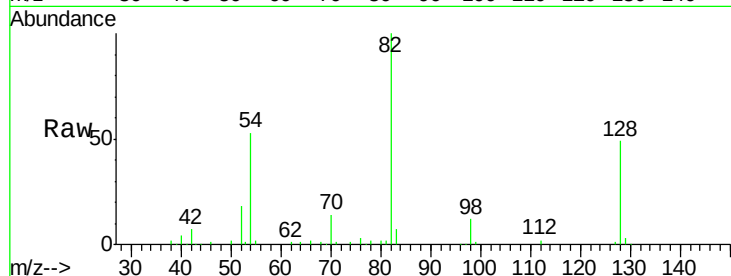
Tgt Ion: 82 Resp: 97027

Ion Ratio Lower Upper

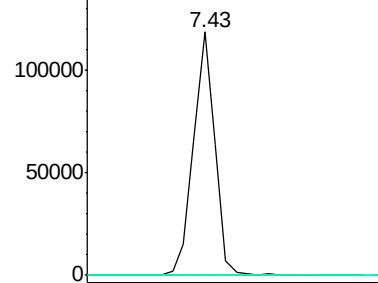
82 100

95 0.0 5.2 7.8#

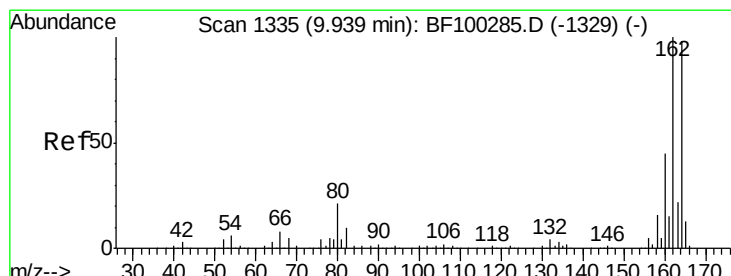
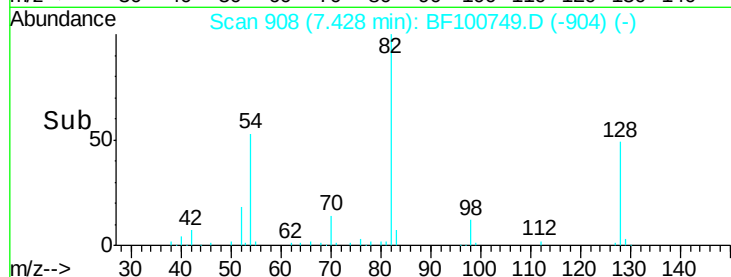
138 0.0 14.9 22.3#



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



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF100749.D

Acq: 20 Nov 2017 23:54

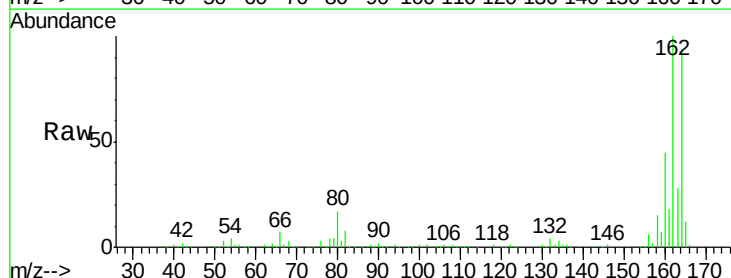
Tgt Ion: 164 Resp: 161019

Ion Ratio Lower Upper

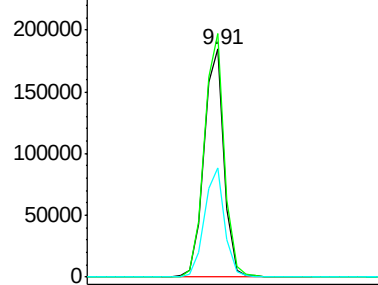
164 100

162 106.8 86.1 129.1

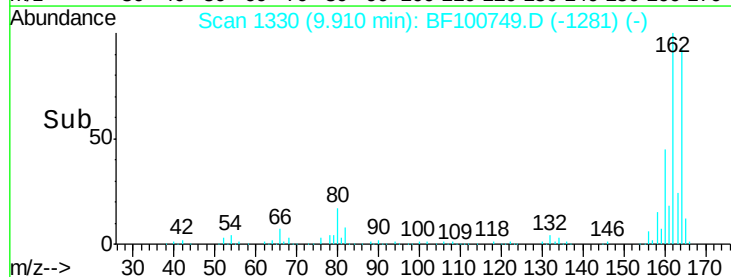
160 47.7 38.3 57.5

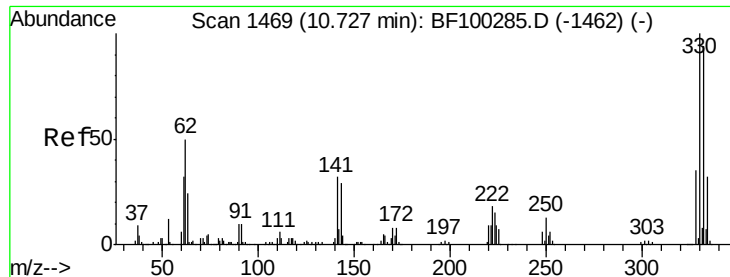


Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1



Time-->

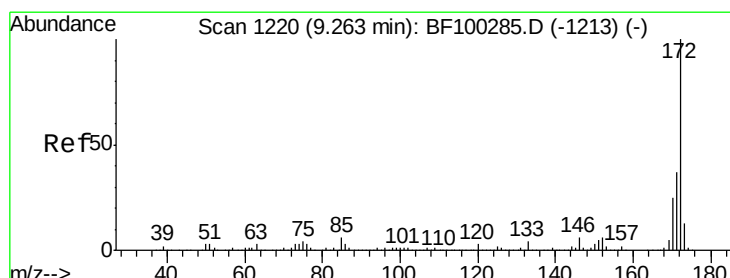
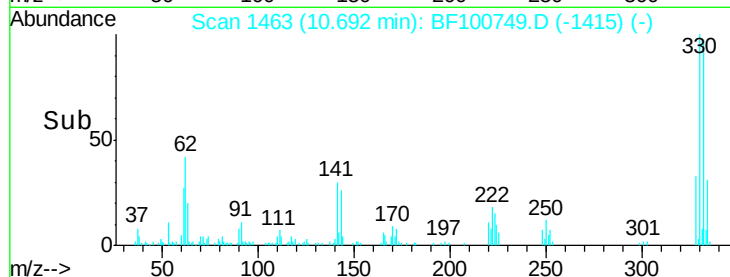
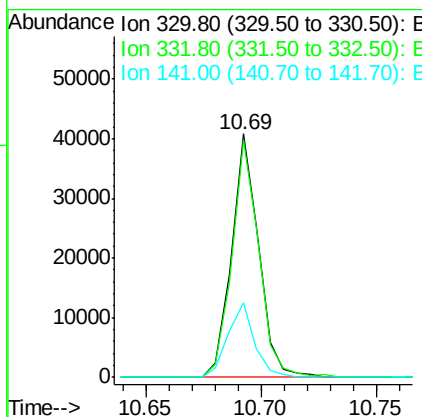
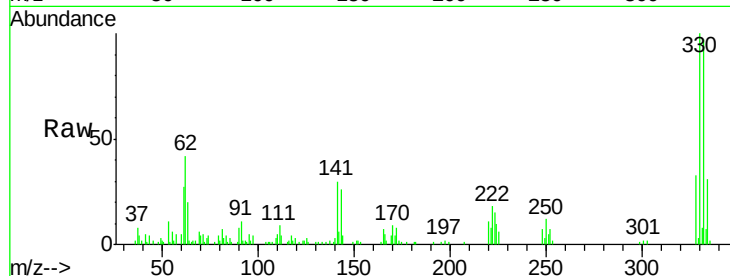




#41
 2,4,6-Tribromophenol
 Concen: 20.24 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.02 min
 Lab File: BF100749.D
 Acq: 20 Nov 2017 23:54

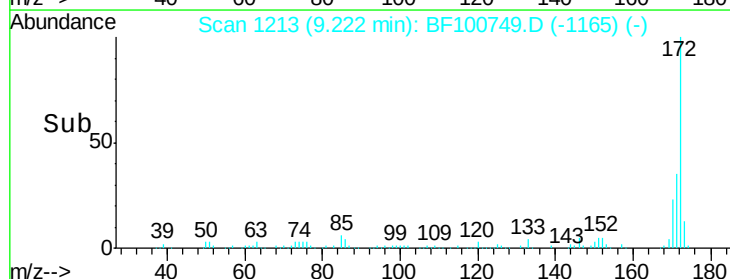
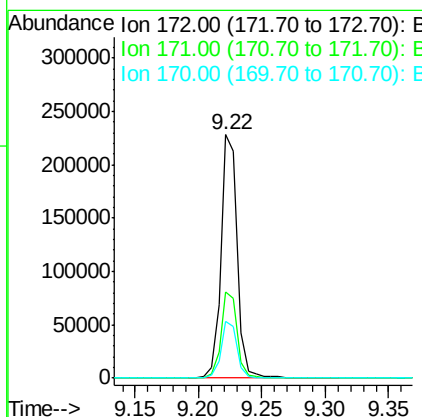
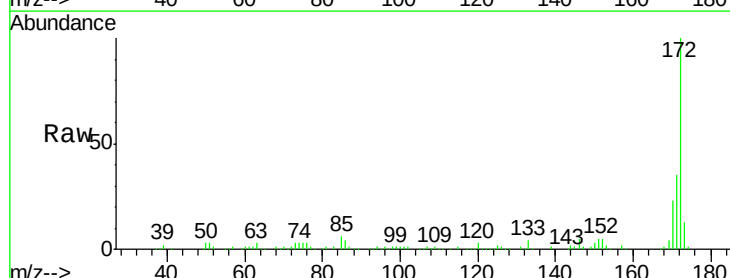
Instrument :
 BNA_F
 ClientSampleId :
 OK-01-111617

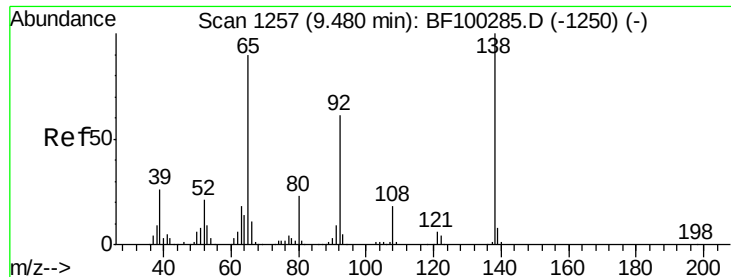
Tgt Ion: 330 Resp: 33205
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 30.1 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 19.42 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.02 min
 Lab File: BF100749.D
 Acq: 20 Nov 2017 23:54

Tgt Ion: 172 Resp: 205329
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 23.2 19.6 29.4





#47

2-Nitroaniline

Concen: 2.83 ng

RT: 9.22 min Scan# 1213

Delta R.T. -0.24 min

Lab File: BF100749.D

Acq: 20 Nov 2017 23:54

Instrument :

BNA_F

ClientSampleId :

OK-01-111617

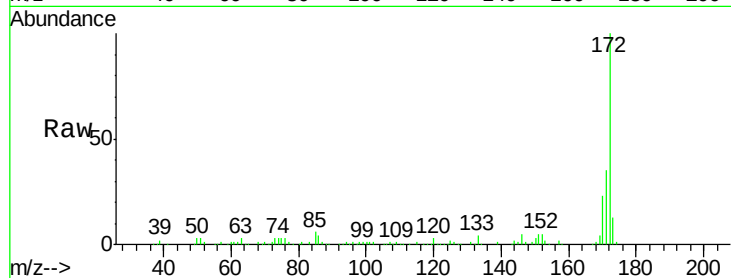
Tgt Ion: 65 Resp: 135

Ion Ratio Lower Upper

65 100

92 172.5 55.8 83.6#

138 0.0 91.2 136.8#

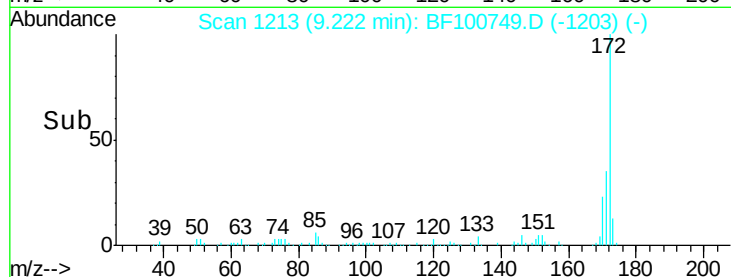


Abundance Ion 65.00 (64.70 to 65.70): BF1

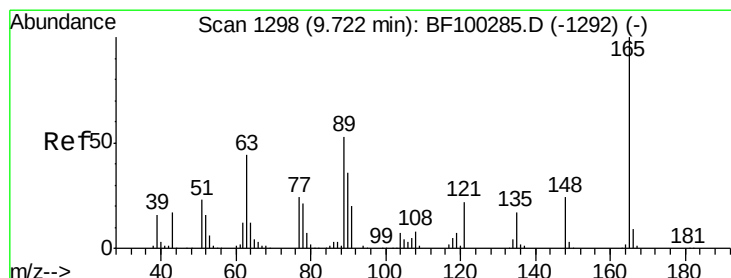
Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

Time-->



Time-->



#50

2,6-Dinitrotoluene

Concen: 8.55 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.21 min

Lab File: BF100749.D

Acq: 20 Nov 2017 23:54

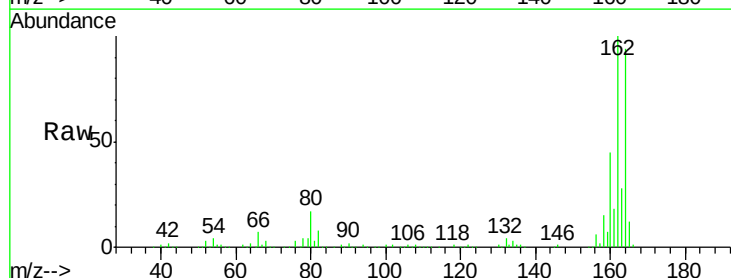
Tgt Ion: 165 Resp: 20809

Ion Ratio Lower Upper

165 100

63 1.8 44.7 67.1#

89 1.7 44.0 66.0#

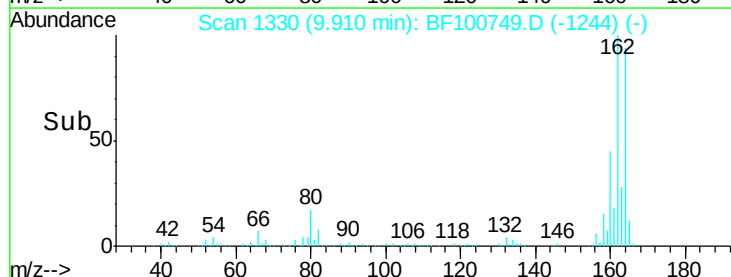


Abundance Ion 165.00 (164.70 to 165.70): BF1

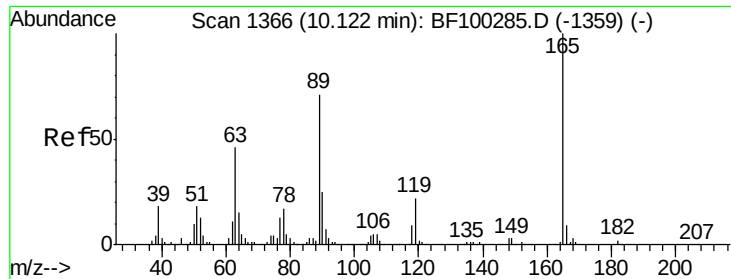
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Time-->



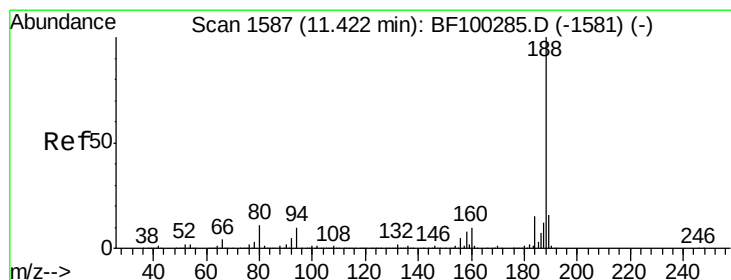
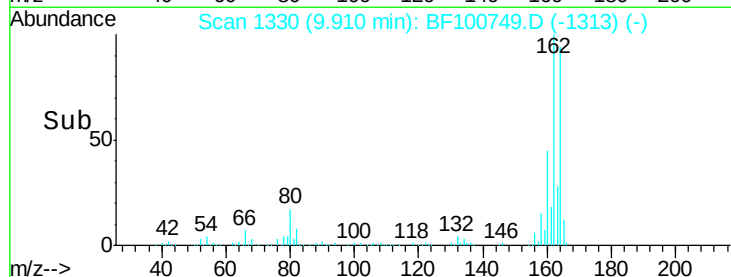
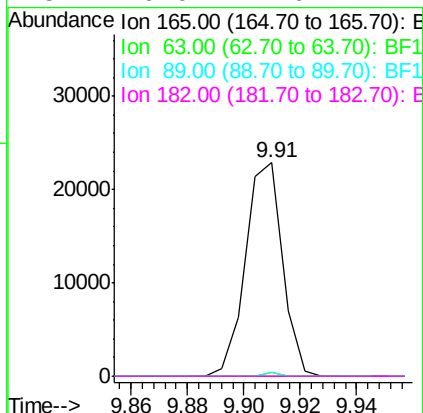
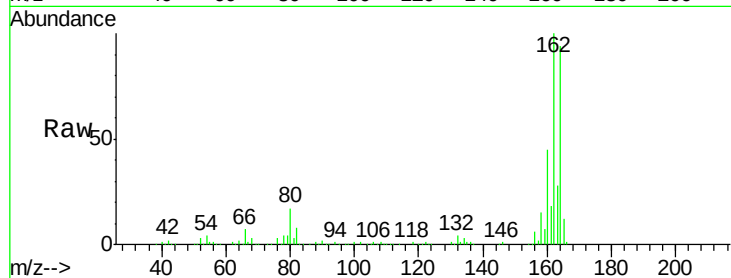
Time-->



#56
 2,4-Dinitrotoluene
 Concen: 6.78 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF100749.D
 Acq: 20 Nov 2017 23:54

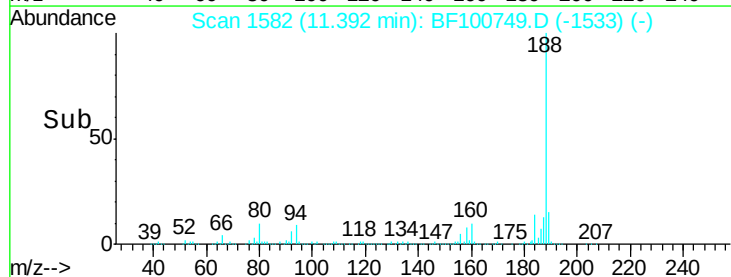
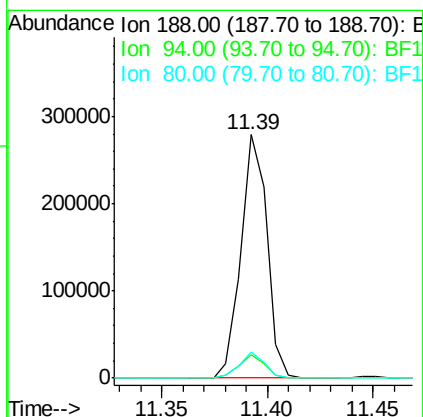
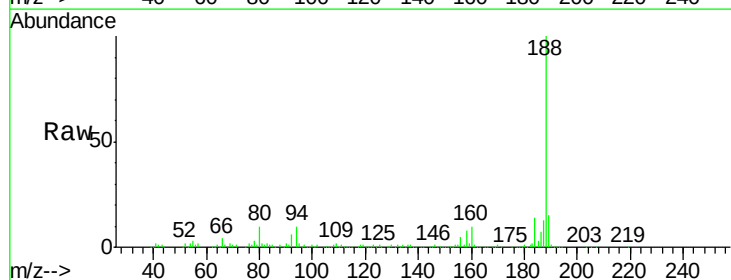
Instrument :
 BNA_F
 ClientSampleId :
 OK-01-111617

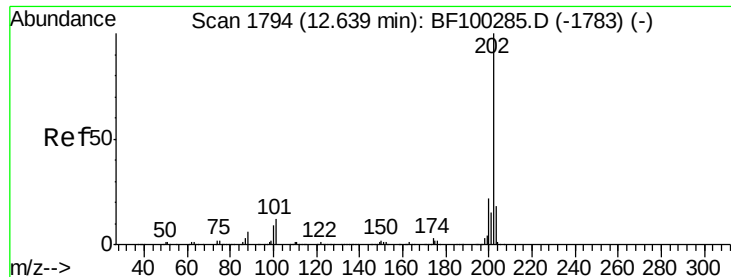
Tgt Ion:	165	Resp:	20809
Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF100749.D
 Acq: 20 Nov 2017 23:54

Tgt Ion:	188	Resp:	238528
Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	10.5	9.2	13.8





#74

Fluoranthene

Concen: 2.01 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BF100749.D

Acq: 20 Nov 2017 23:54

Instrument :

BNA_F

ClientSampleId :

OK-01-111617

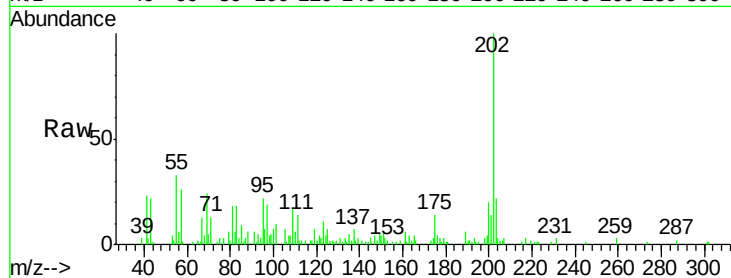
Tgt Ion:202 Resp: 26739

Ion Ratio Lower Upper

202 100

101 10.2 0.0 34.1

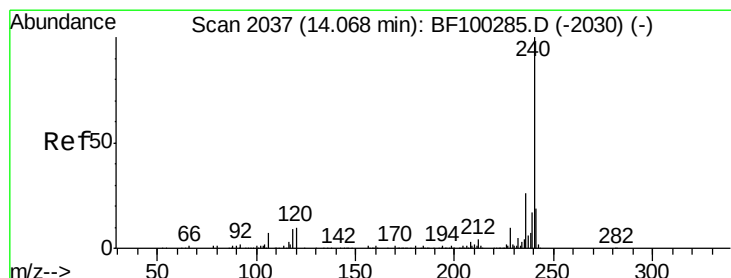
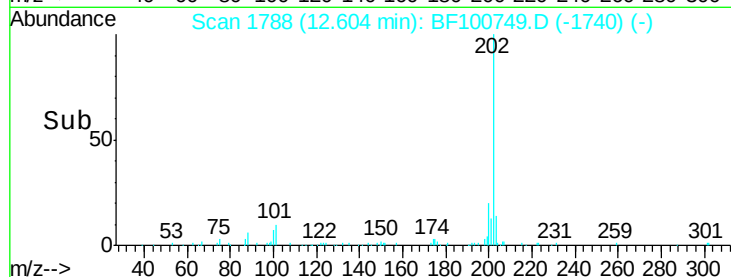
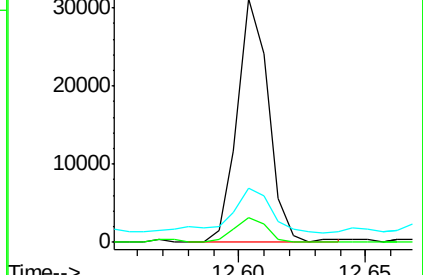
203 22.0 0.0 38.1



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: 20.00 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF100749.D

Acq: 20 Nov 2017 23:54

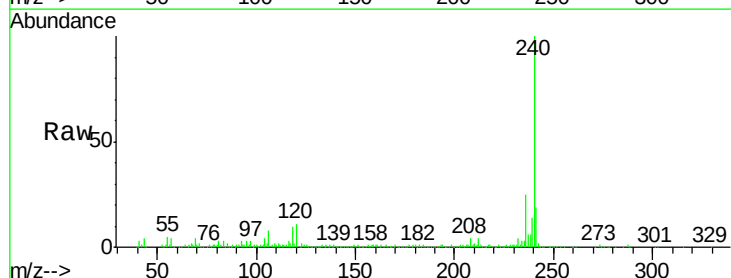
Tgt Ion:240 Resp: 217122

Ion Ratio Lower Upper

240 100

120 11.4 9.5 14.3

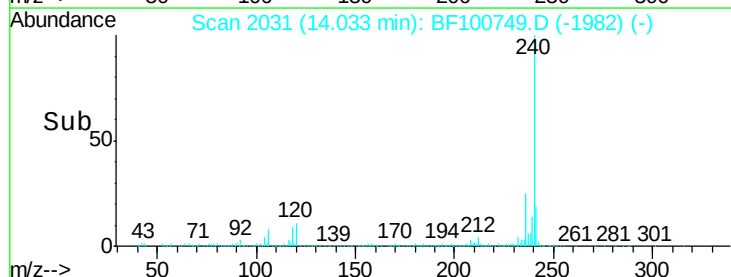
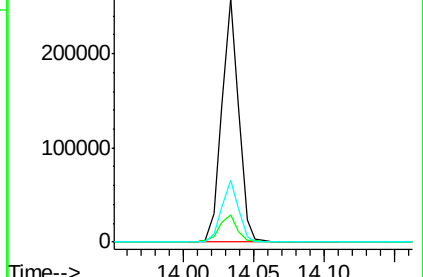
236 25.3 20.7 31.1

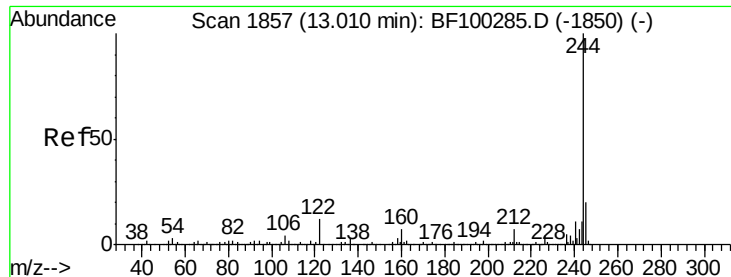


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 13.86 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF100749.D

Acq: 20 Nov 2017 23:54

Instrument :

BNA_F

ClientSampleId :

OK-01-111617

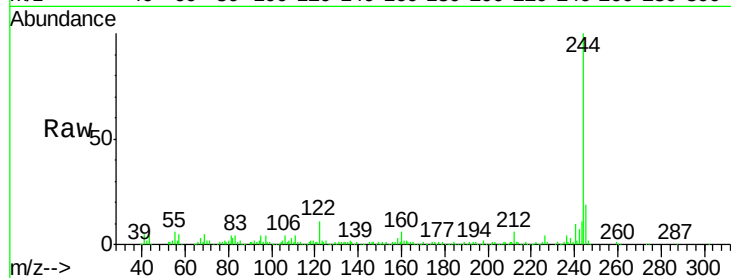
Tgt Ion:244 Resp: 130932

Ion Ratio Lower Upper

244 100

212 6.1 5.4 8.0

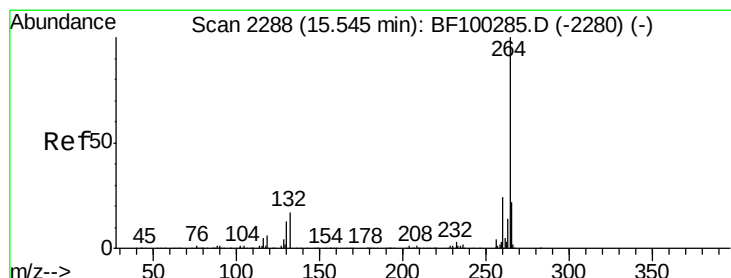
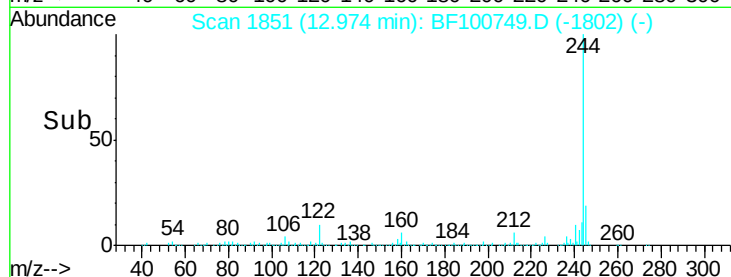
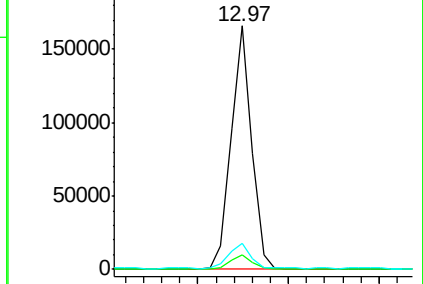
122 10.7 11.0 16.4#



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: 20.00 ng

RT: 15.51 min Scan# 2282

Delta R.T. -0.01 min

Lab File: BF100749.D

Acq: 20 Nov 2017 23:54

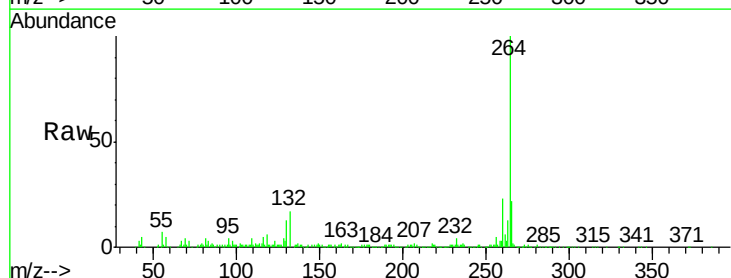
Tgt Ion:264 Resp: 205992

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

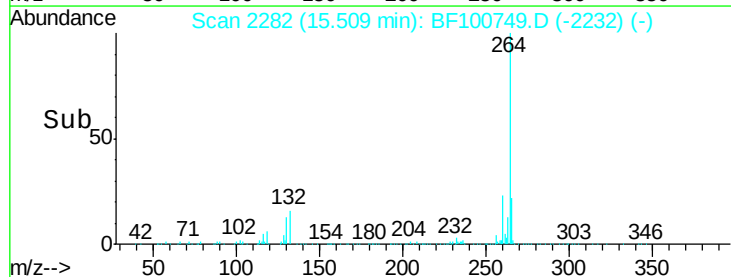
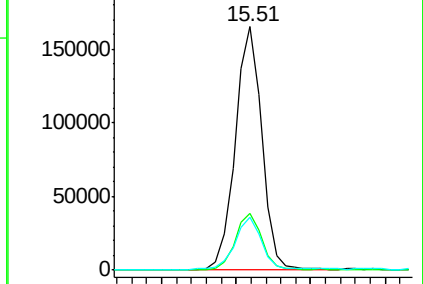
265 21.9 17.5 26.3

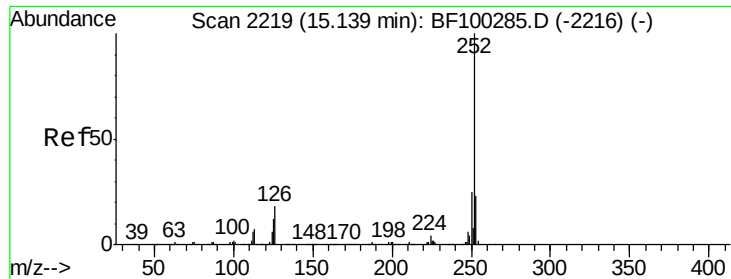


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(k)fluoranthene

Concen: 2.05 ng

RT: 15.07 min Scan# 2208

Delta R.T. -0.04 min

Lab File: BF100749.D

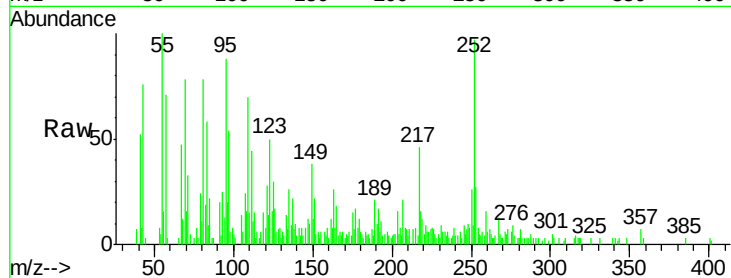
Acq: 20 Nov 2017 23:54

Instrument :

BNA_F

ClientSampleId :

OK-01-111617



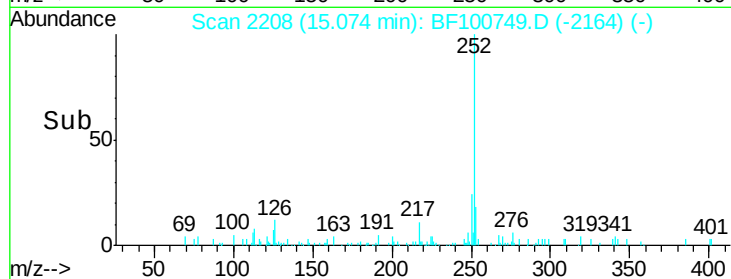
Tgt Ion: 252 Resp: 23679

Ion Ratio Lower Upper

252 100

253 27.6 17.9 26.9#

125 31.1 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

