

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122716\
 Data File : BF091963.D
 Acq On : 27 Dec 2016 13:10
 Operator : UM/SJ
 Sample : PB95595BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB95595BL

Quant Time: Dec 27 23:54:51 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

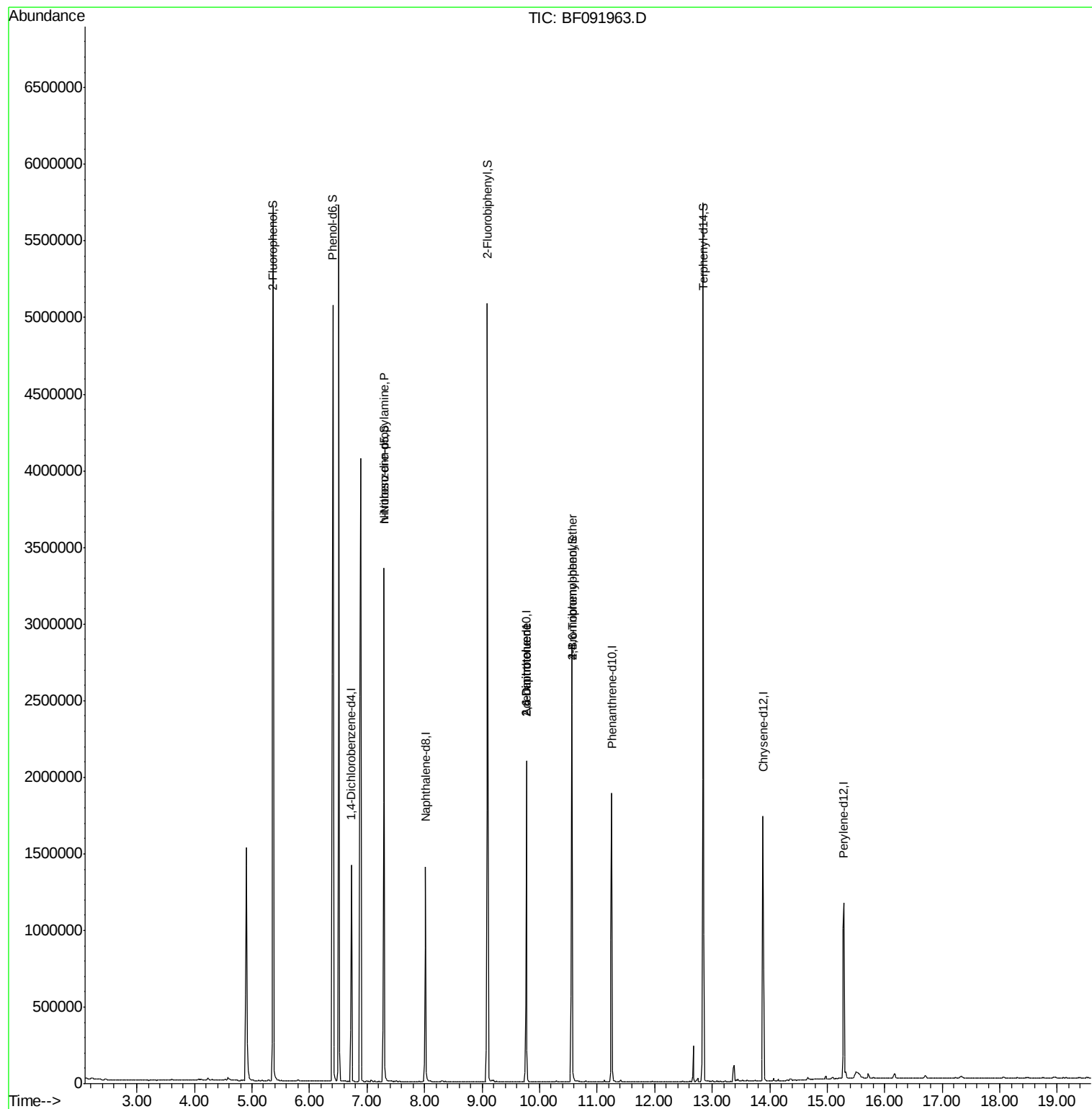
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	210953	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	874646	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	470847	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	822574	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	672502	20.00	ng	-0.02
86) Perylene-d12	15.29	264	628174	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1986036	157.20	ng	0.02
7) Phenol-d6	6.41	99	1954352	126.70	ng	0.00
23) Nitrobenzene-d5	7.30	82	1382062	87.87	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	546735	140.31	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	2169716	96.10	ng	-0.02
78) Terphenyl-d14	12.84	244	1975774	71.25	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	183246	17.86	ng	# 76
50) 2,6-Dinitrotoluene	9.77	165	61400	9.32	ng	# 30
56) 2,4-Dinitrotoluene	9.77	165	61403	7.42	ng	# 19
66) 4-Bromophenyl-phenylether	10.57	248	35477	4.15	ng	# 1
76) Benzidine	12.61	184	977	Below Cal		# 65

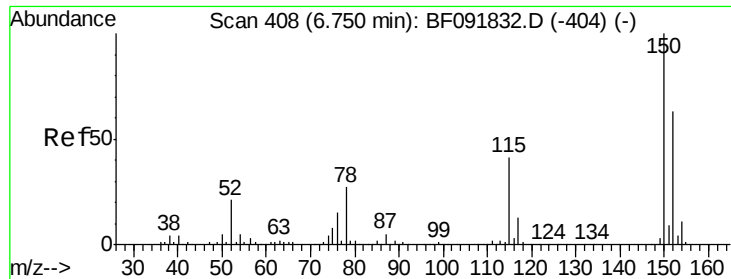
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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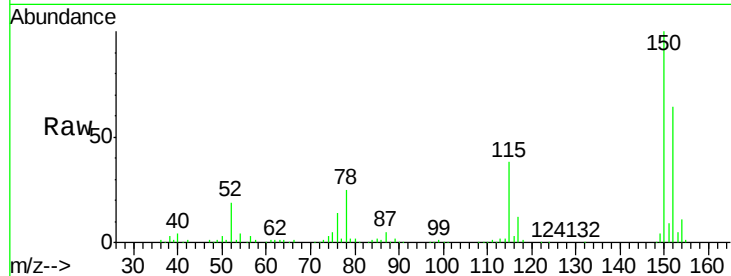


#1

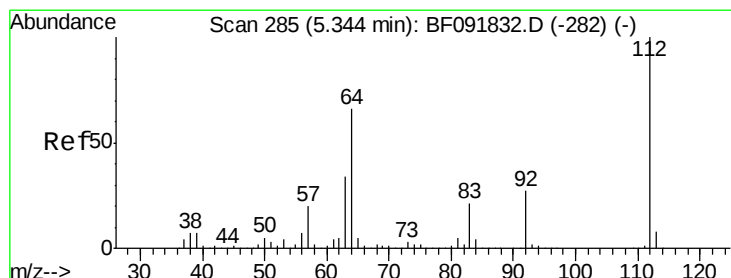
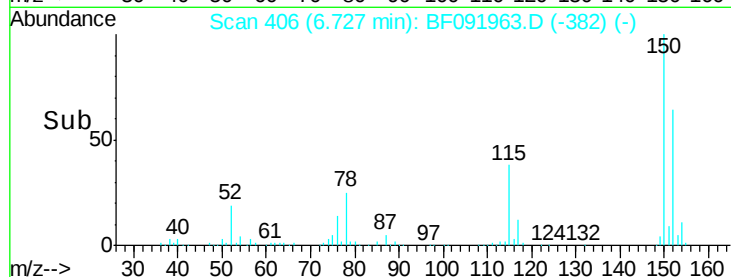
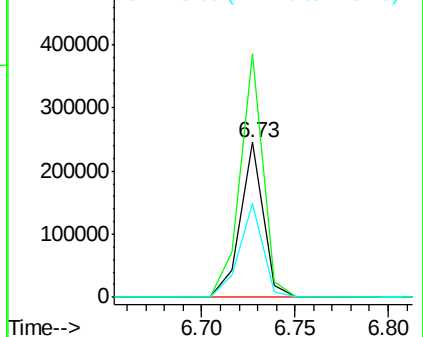
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 406
Delta R.T. -0.02 min
Lab File: BF091963.D
Acq: 27 Dec 2016 13:10

Instrument :
BNA_F
ClientSampleId :
PB95595BL

Tgt Ion:152 Resp: 210953
Ion Ratio Lower Upper
152 100
150 157.2 124.9 187.3
115 60.3 46.0 69.0



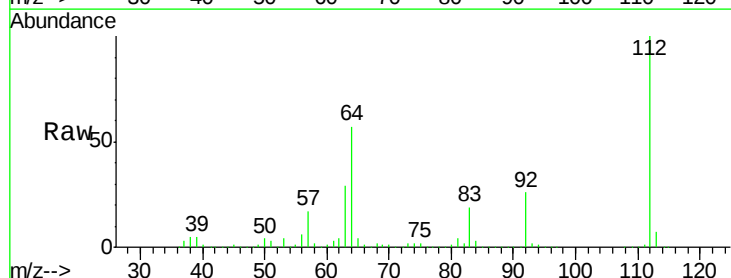
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



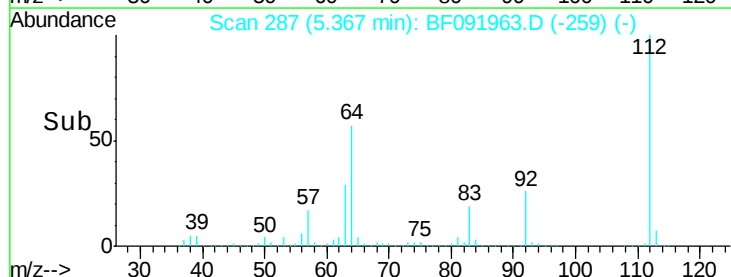
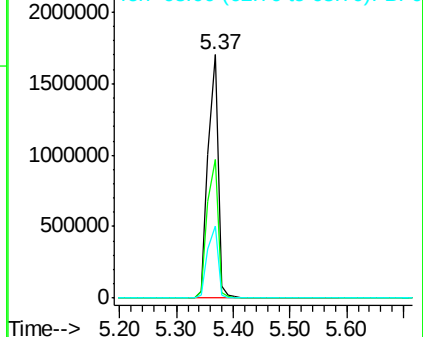
#5

2-Fluorophenol
Concen: 157.20 ng
RT: 5.37 min Scan# 287
Delta R.T. 0.02 min
Lab File: BF091963.D
Acq: 27 Dec 2016 13:10

Tgt Ion:112 Resp: 1986036
Ion Ratio Lower Upper
112 100
64 57.1 46.1 69.1
63 29.4 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 126.70 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.00 min

Lab File: BF091963.D

Acq: 27 Dec 2016 13:10

Instrument :

BNA_F

ClientSampleId :

PB95595BL

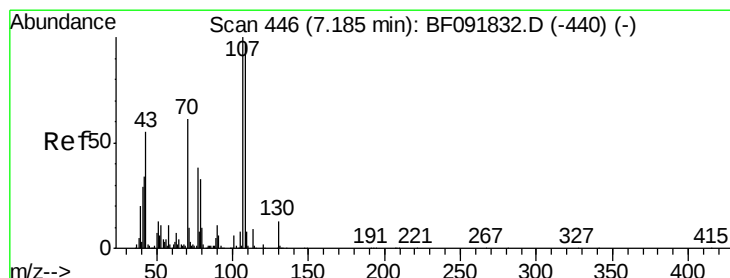
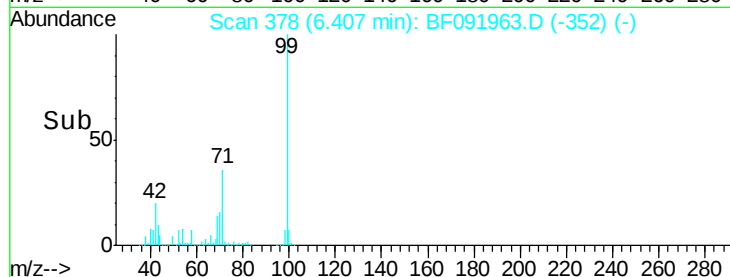
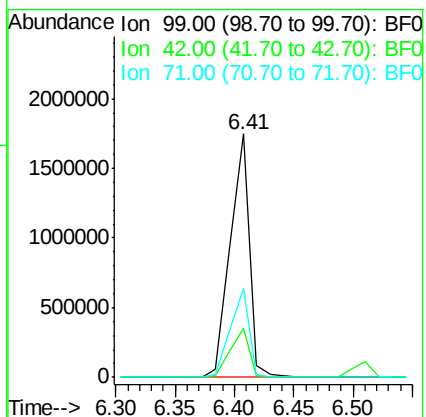
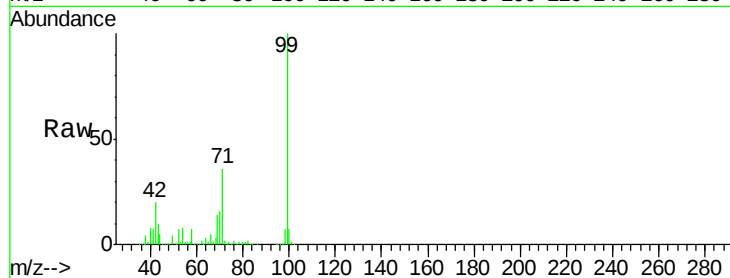
Tgt Ion: 99 Resp: 1954352

Ion Ratio Lower Upper

99 100

42 20.0 15.6 23.4

71 36.4 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 17.86 ng

RT: 7.30 min Scan# 456

Delta R.T. 0.11 min

Lab File: BF091963.D

Acq: 27 Dec 2016 13:10

Tgt Ion: 70 Resp: 183246

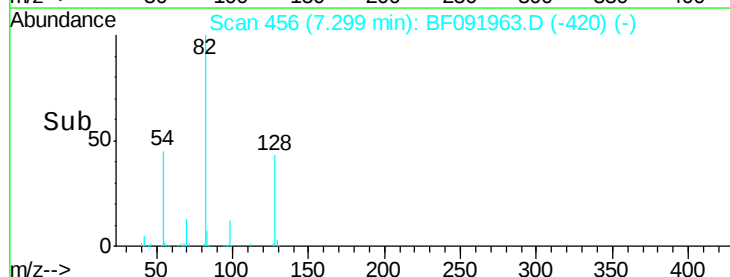
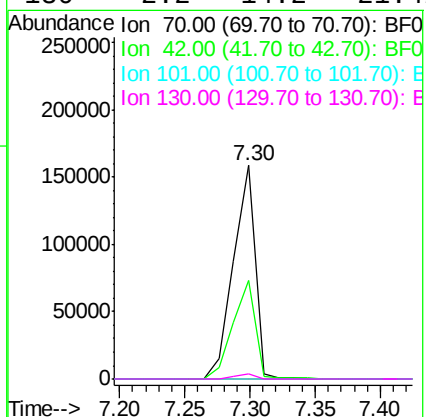
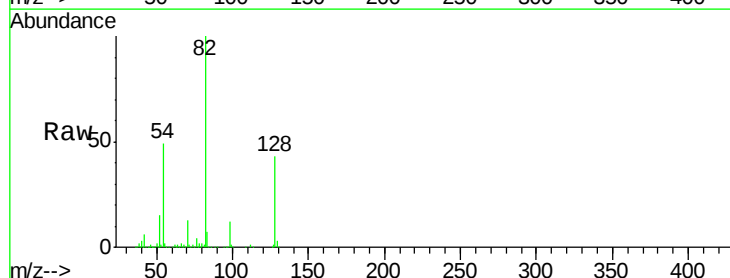
Ion Ratio Lower Upper

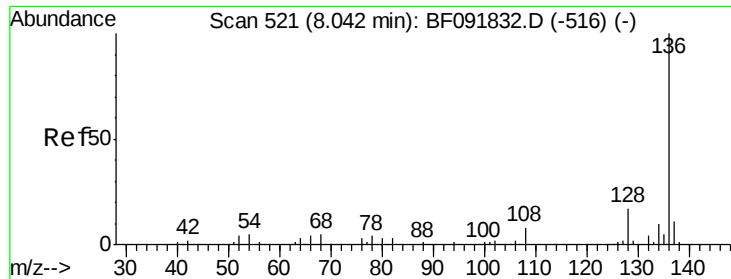
70 100

42 46.4 49.4 74.0#

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

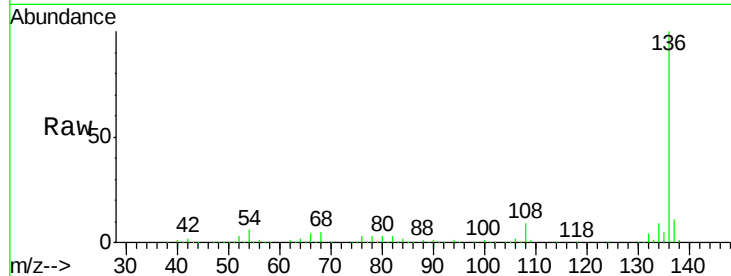




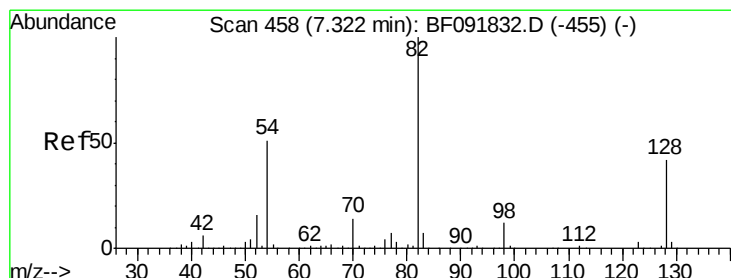
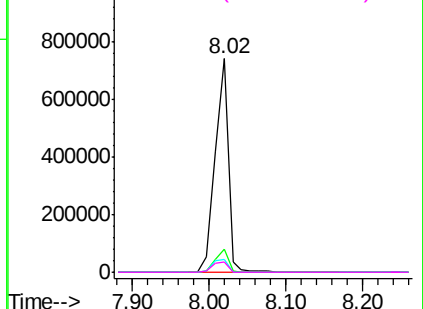
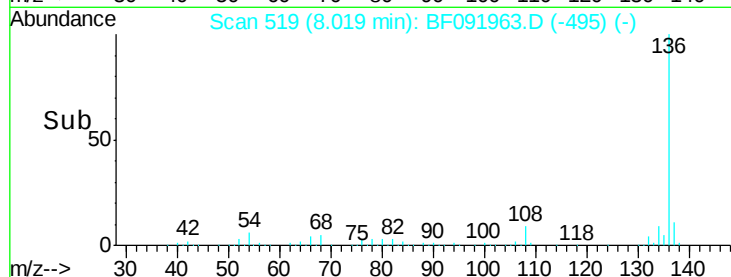
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.02 min
Lab File: BF091963.D
Acq: 27 Dec 2016 13:10

Instrument :
BNA_F
ClientSampleId :
PB95595BL

Tgt Ion:	136	Resp:	874646
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	5.9	4.5	6.7
68	4.9	3.6	5.4

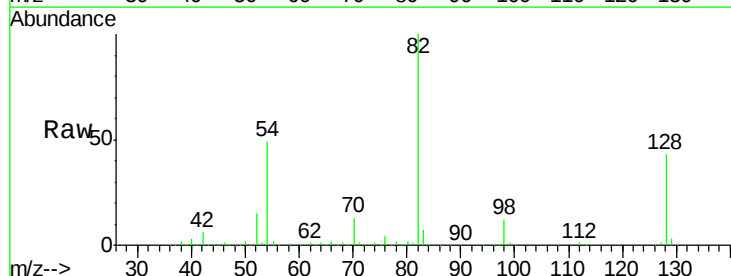


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

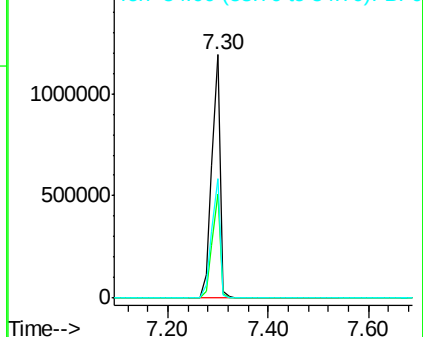
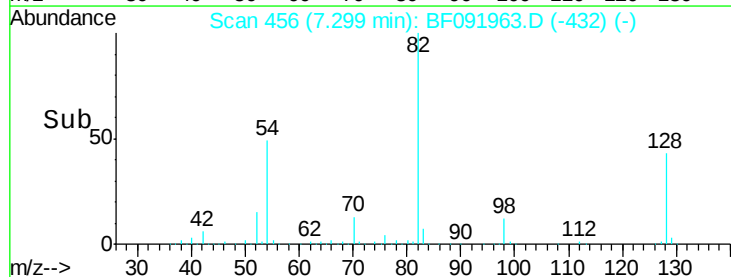


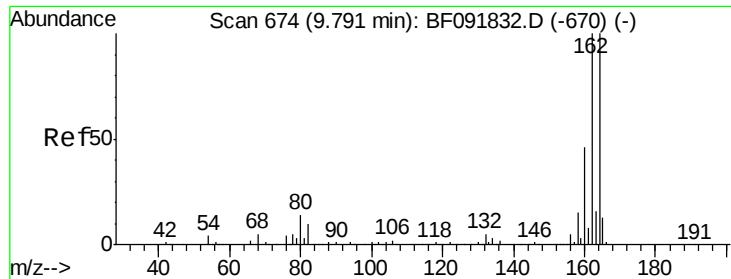
#23
Nitrobenzene-d5
Concen: 87.87 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.02 min
Lab File: BF091963.D
Acq: 27 Dec 2016 13:10

Tgt Ion:	82	Resp:	1382062
Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.6	52.0
54	49.1	39.5	59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.02 min

Lab File: BF091963.D

Acq: 27 Dec 2016 13:10

Instrument :

BNA_F

ClientSampleId :

PB95595BL

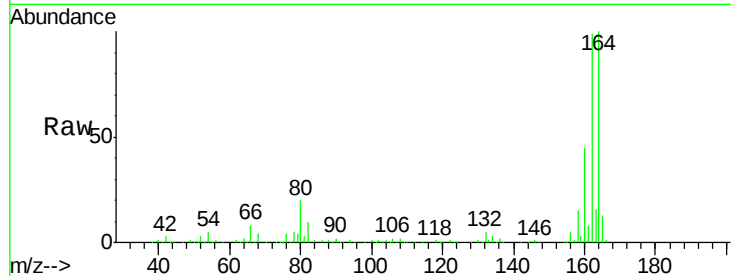
Tgt Ion:164 Resp: 470847

Ion Ratio Lower Upper

164 100

162 99.0 80.2 120.2

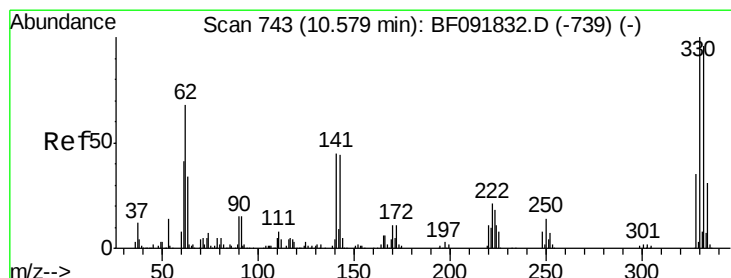
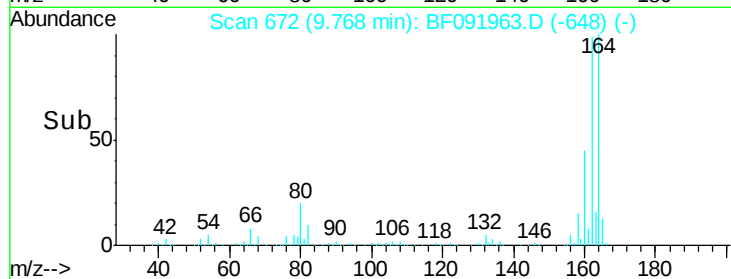
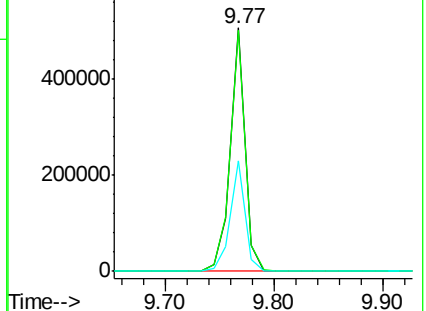
160 45.2 36.9 55.3



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: 140.31 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF091963.D

Acq: 27 Dec 2016 13:10

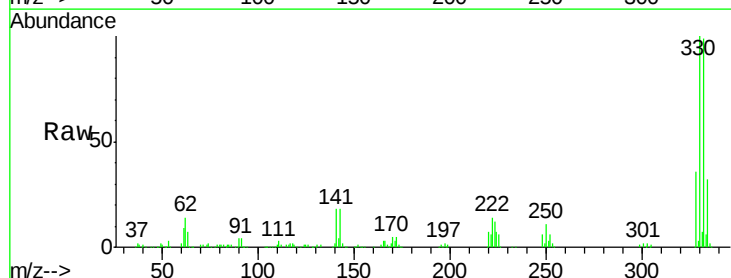
Tgt Ion:330 Resp: 546735

Ion Ratio Lower Upper

330 100

332 97.1 77.4 116.2

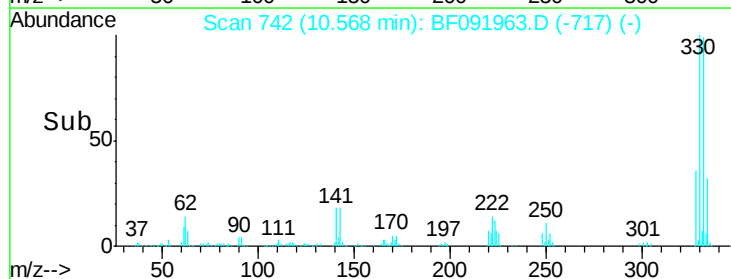
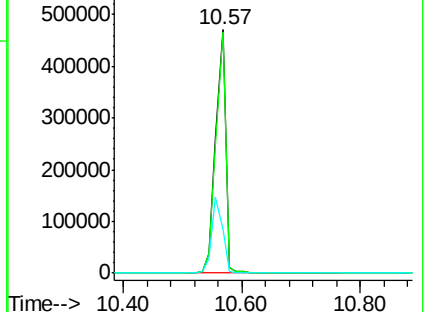
141 33.6 34.1 51.1#

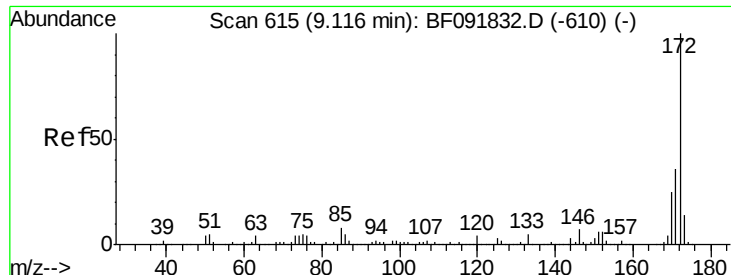


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

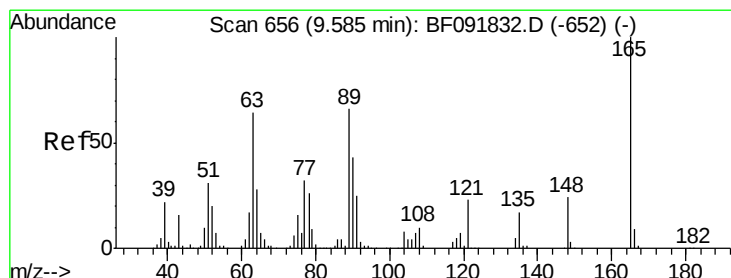
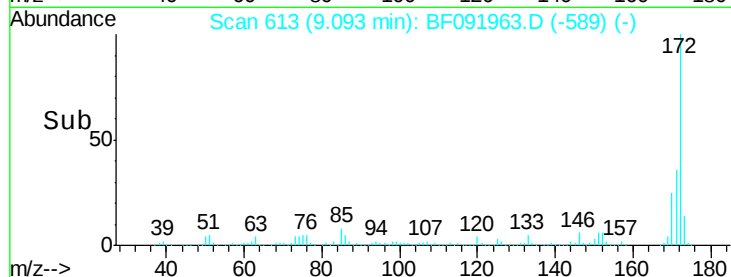
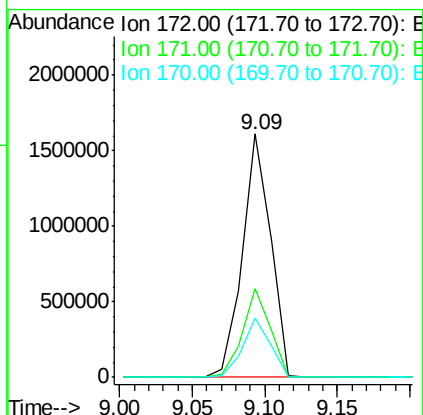
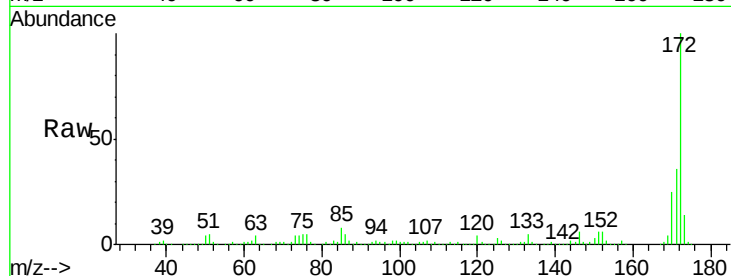




#44
 2-Fluorobiphenyl
 Concen: 96.10 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.02 min
 Lab File: BF091963.D
 Acq: 27 Dec 2016 13:10

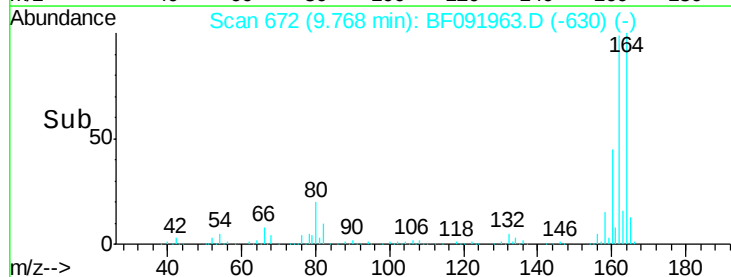
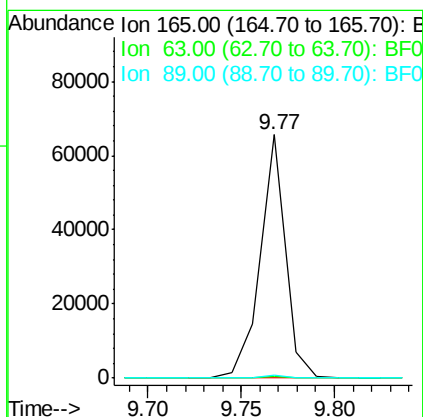
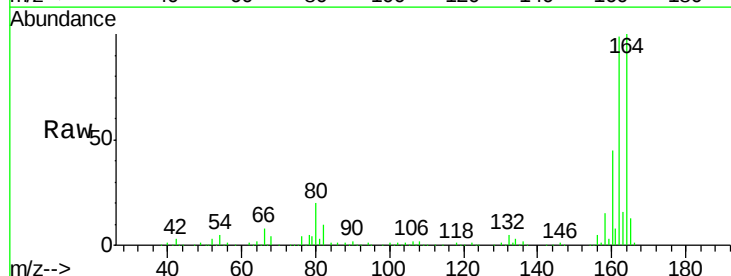
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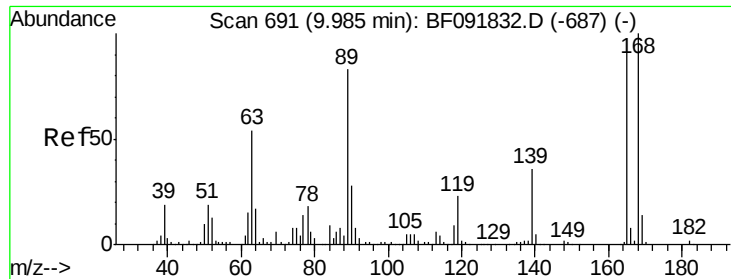
Tgt Ion:172 Resp: 2169716
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.0
 170 24.6 20.2 30.4



#50
 2,6-Dinitrotoluene
 Concen: 9.32 ng
 RT: 9.77 min Scan# 672
 Delta R.T. 0.18 min
 Lab File: BF091963.D
 Acq: 27 Dec 2016 13:10

Tgt Ion:165 Resp: 61400
 Ion Ratio Lower Upper
 165 100
 63 0.8 36.2 54.4#
 89 1.1 40.2 60.4#

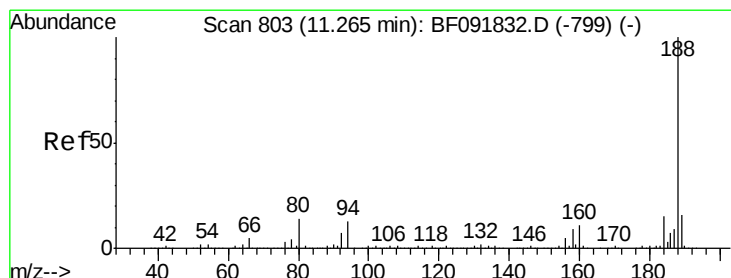
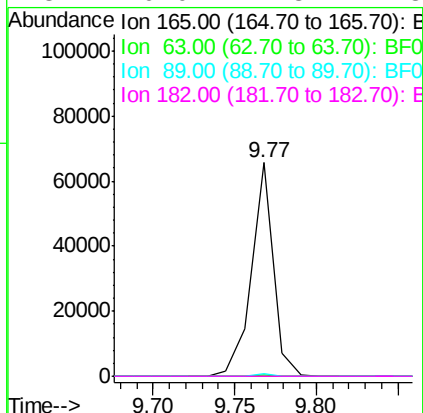
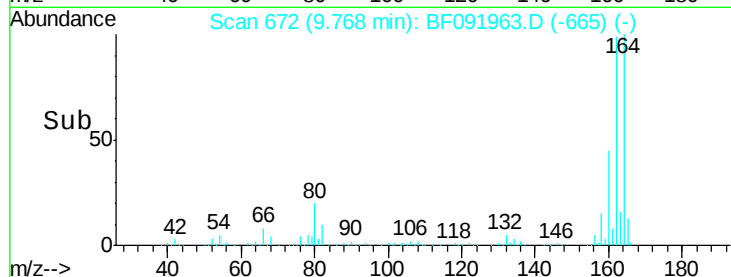
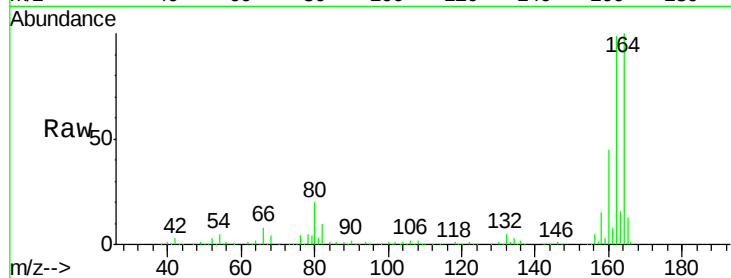




#56
 2,4-Dinitrotoluene
 Concen: 7.42 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.22 min
 Lab File: BF091963.D
 Acq: 27 Dec 2016 13:10

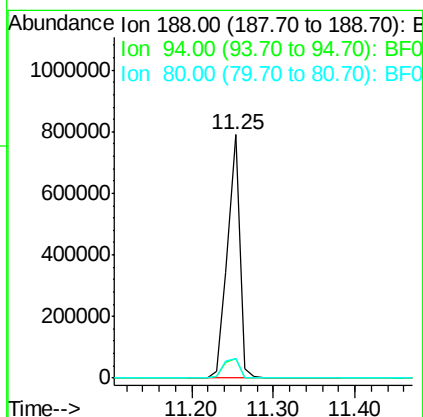
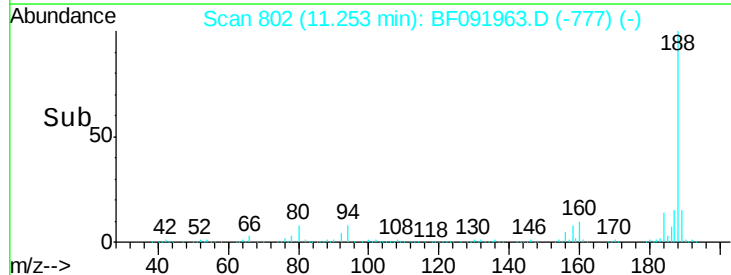
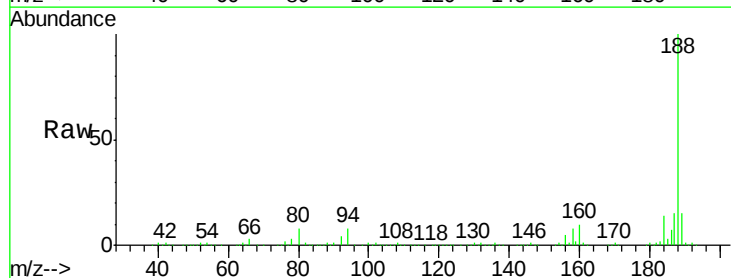
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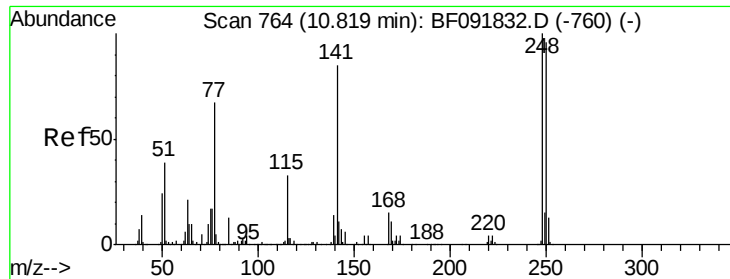
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	40.2	60.4#
89	1.1	62.5	93.7#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF091963.D
 Acq: 27 Dec 2016 13:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	10.0	15.0#
80	8.1	11.2	16.8#

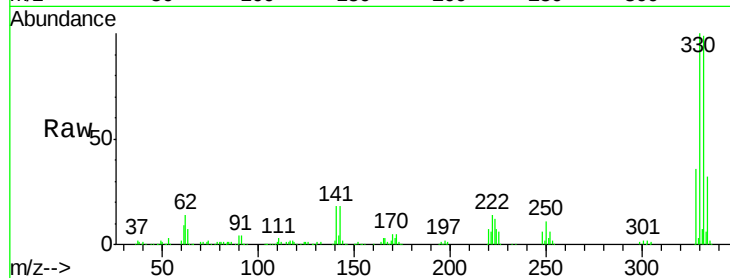




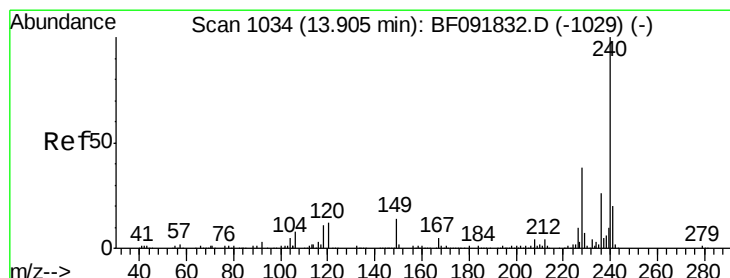
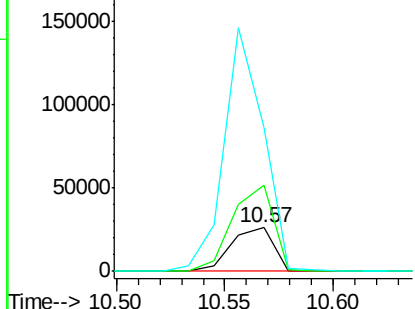
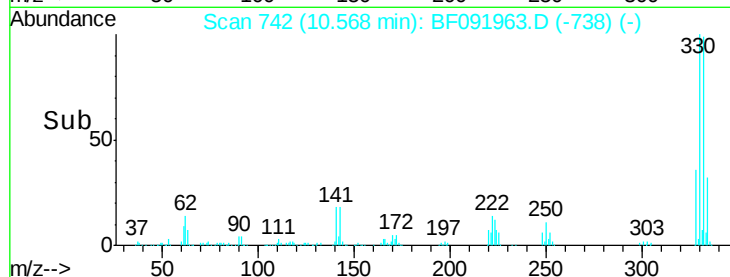
#66
 4-Bromophenyl-phenylether
 Concen: 4.15 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.25 min
 Lab File: BF091963.D
 Acq: 27 Dec 2016 13:10

Instrument :
 BNA_F
 ClientSampleId :
 PB95595BL

Tgt Ion:248 Resp: 35477
 Ion Ratio Lower Upper
 248 100
 250 198.0 76.9 115.3#
 141 327.7 68.2 102.4#

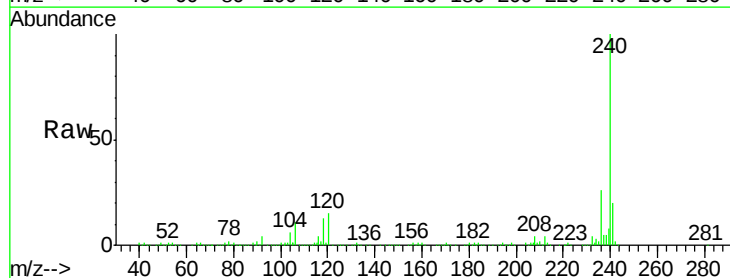


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

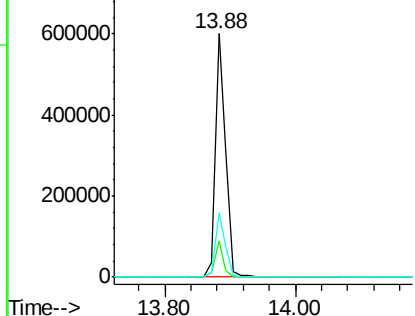
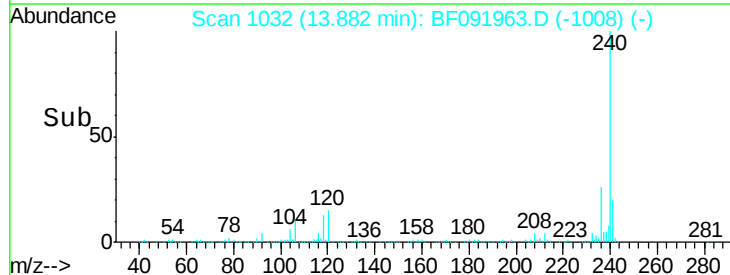


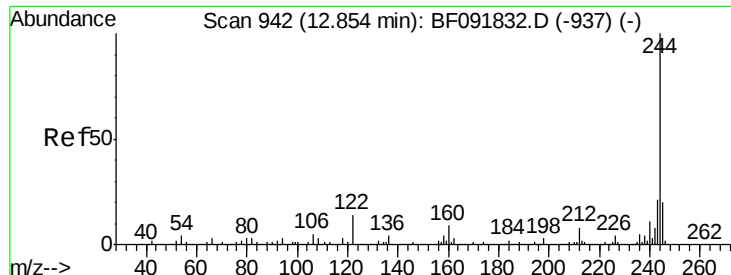
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. -0.02 min
 Lab File: BF091963.D
 Acq: 27 Dec 2016 13:10

Tgt Ion:240 Resp: 672502
 Ion Ratio Lower Upper
 240 100
 120 14.8 12.9 19.3
 236 26.2 20.9 31.3



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: 71.25 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF091963.D

Acq: 27 Dec 2016 13:10

Instrument :

BNA_F

ClientSampleId :

PB95595BL

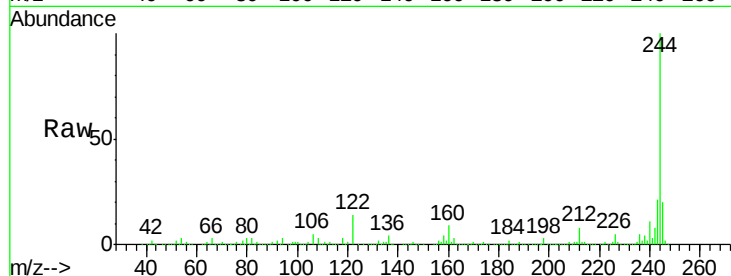
Tgt Ion:244 Resp: 1975774

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

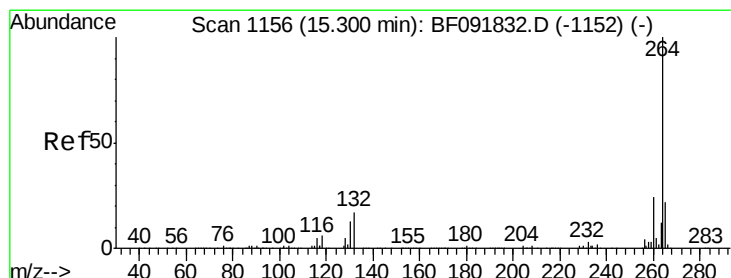
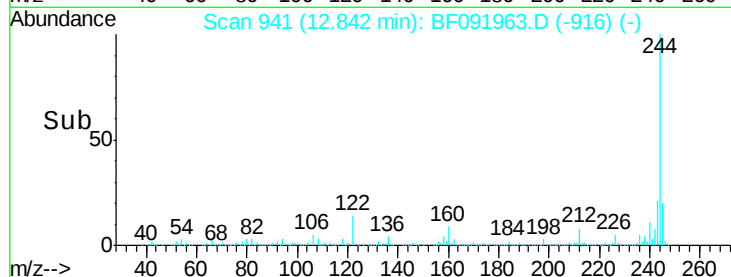
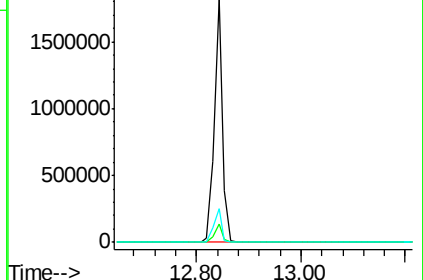
122 13.7 11.4 17.2



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: 15.29 min Scan# 1155

Delta R.T. -0.01 min

Lab File: BF091963.D

Acq: 27 Dec 2016 13:10

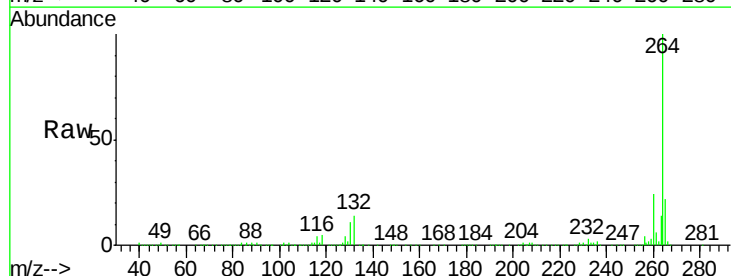
Tgt Ion:264 Resp: 628174

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 21.7 17.4 26.0



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

