

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122818\
 Data File : BF111801.D
 Acq On : 28 Dec 2018 20:56
 Operator : JU/SJ
 Sample : PB116072BL
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB116072BL

Quant Time: Dec 29 01:13:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

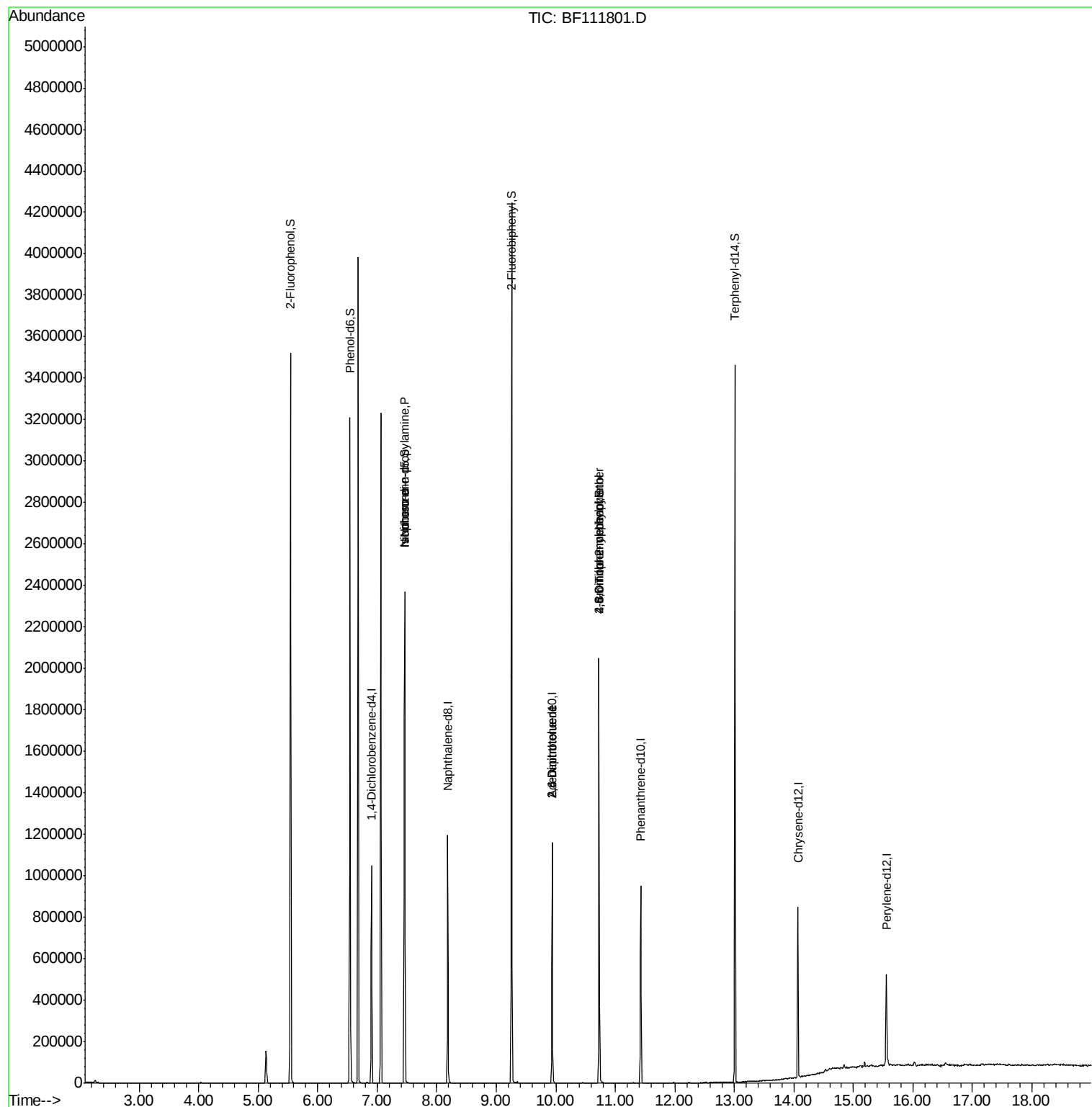
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	138927	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	493504	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	217362	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	322154	20.00	ng	0.01
76) Chrysene-d12	14.07	240	303342	20.00	ng	0.02
87) Perylene-d12	15.56	264	222288	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	894341	109.73	ng	0.03
7) Phenol-d6	6.55	99	1149089	110.78	ng	0.02
23) Nitrobenzene-d5	7.46	82	716537	84.51	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	256095	99.71	ng	0.01
45) 2-Fluorobiphenyl	9.26	172	1353851	90.79	ng	0.00
79) Terphenyl-d14	13.01	244	1097424	68.61	ng	0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	95976	13.932	ng	# 77
25) Isophorone	7.46	82	712514	47.339	ng	# 64
51) 2,6-Dinitrotoluene	9.94	165	27211	8.585	ng	# 29
57) 2,4-Dinitrotoluene	9.94	165	27211	7.143	ng	# 24
65) 4,6-Dinitro-2-methylphenol	10.73	198	401	6.952	ng	# 1
67) 4-Bromophenyl-phenylether	10.73	248	15513	3.882	ng	# 1

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

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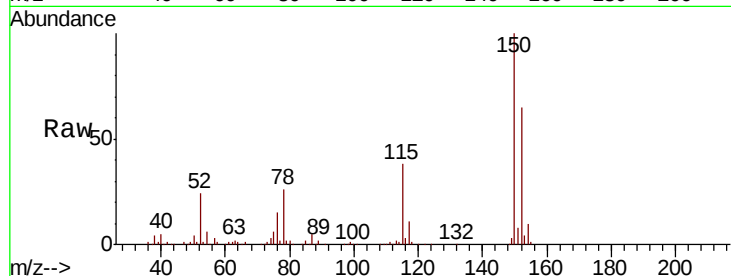


#1

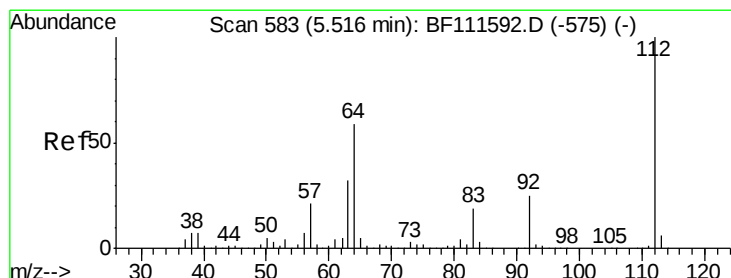
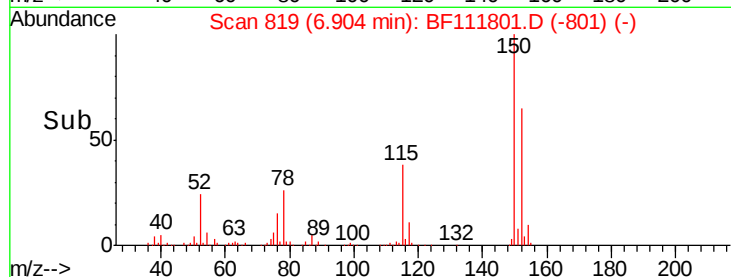
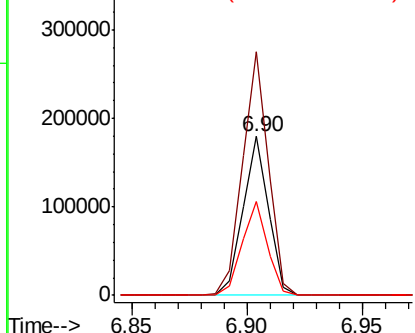
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111801.D
Acq: 28 Dec 2018 20:56

Instrument :
BNA_F
ClientSampleId :
PB116072BL

Tgt Ion:152 Resp: 138927
Ion Ratio Lower Upper
152 100
150 153.2 126.6 189.8
115 58.7 50.7 76.1



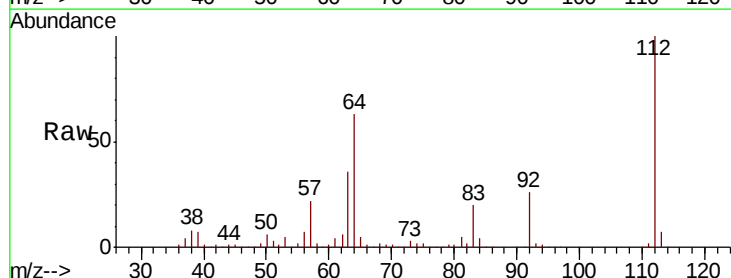
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



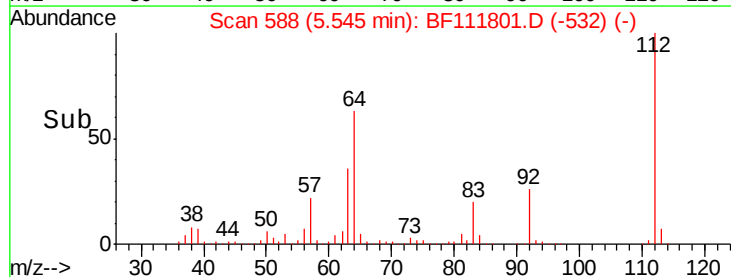
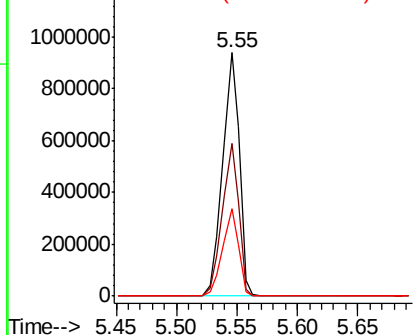
#5

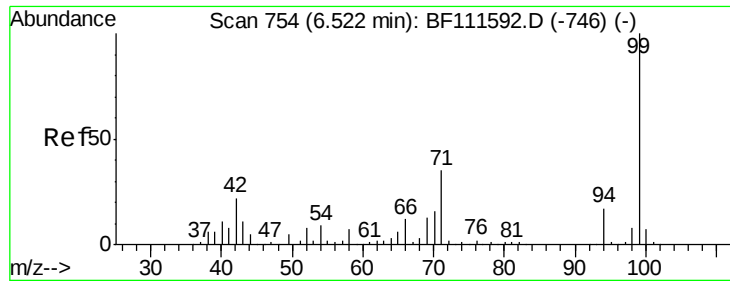
2-Fluorophenol
Concen: 109.729 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.03 min
Lab File: BF111801.D
Acq: 28 Dec 2018 20:56

Tgt Ion:112 Resp: 894341
Ion Ratio Lower Upper
112 100
64 62.5 51.8 77.6
63 35.7 26.8 40.2



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: 110.781 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.02 min

Lab File: BF111801.D

Acq: 28 Dec 2018 20:56

Instrument :

BNA_F

ClientSampleId :

PB116072BL

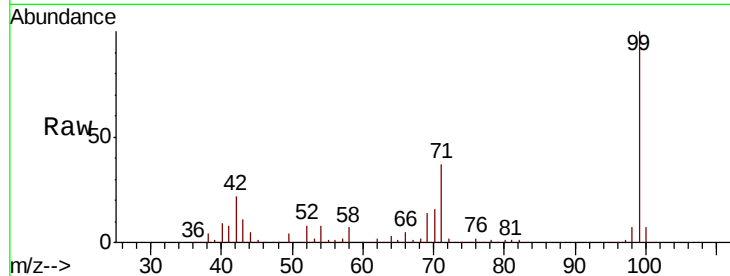
Tgt Ion: 99 Resp: 1149089

Ion Ratio Lower Upper

99 100

42 22.3 17.4 26.0

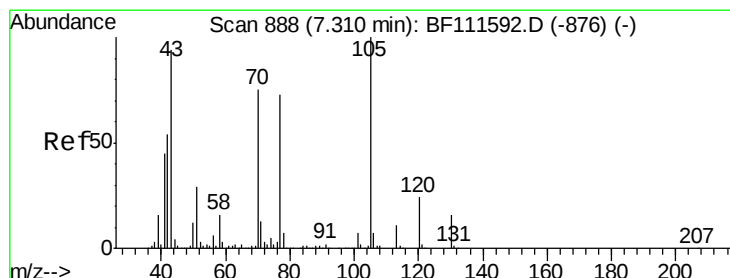
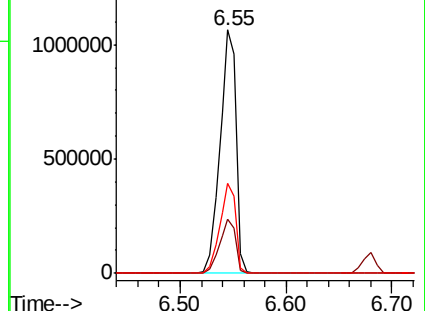
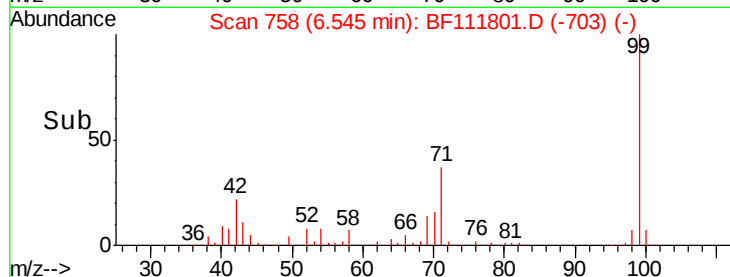
71 37.0 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 13.932 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.15 min

Lab File: BF111801.D

Acq: 28 Dec 2018 20:56

Tgt Ion: 70 Resp: 95976

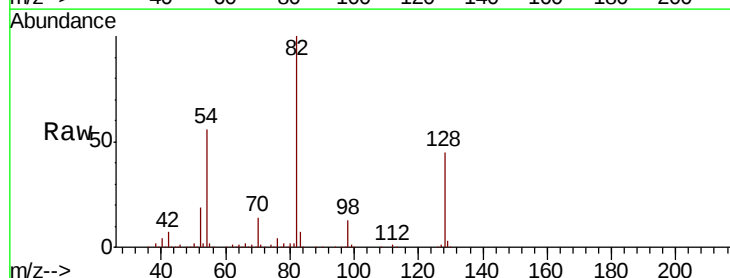
Ion Ratio Lower Upper

70 100

42 53.7 53.2 79.8

101 0.0 8.2 12.4#

130 2.4 18.1 27.1#

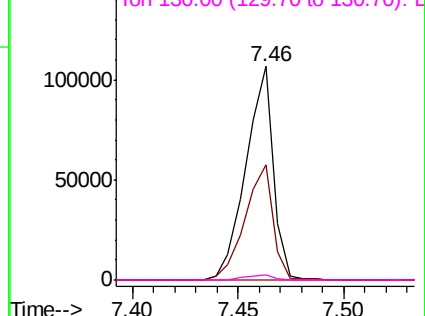
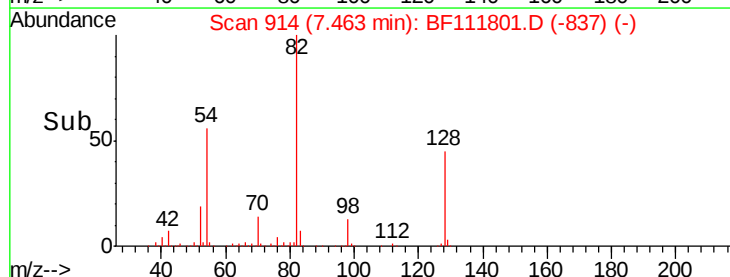


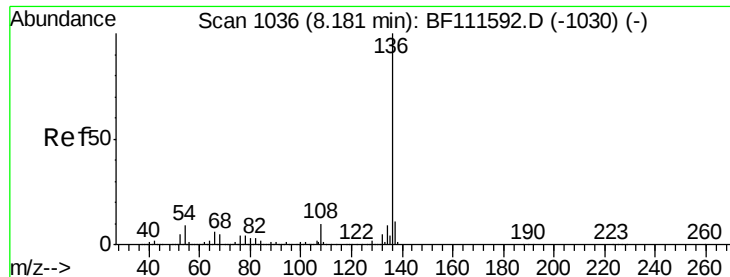
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

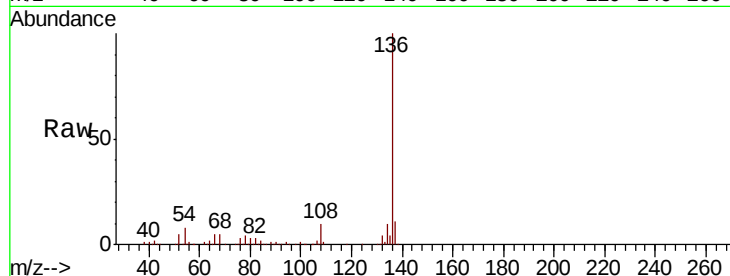




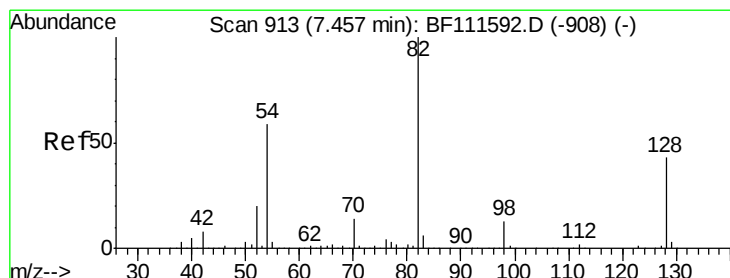
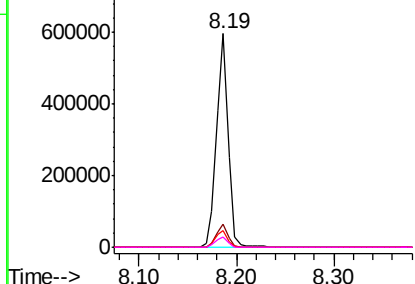
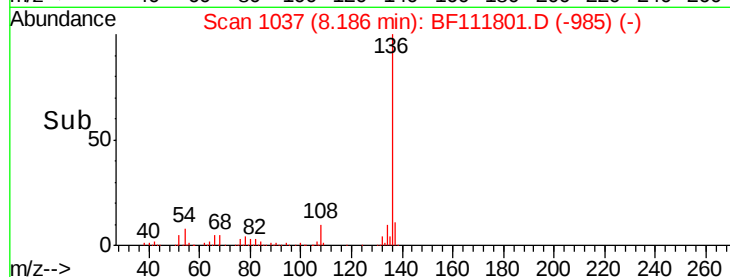
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF111801.D
Acq: 28 Dec 2018 20:56

Instrument :
BNA_F
ClientSampleId :
PB116072BL

Tgt Ion:	136	Resp:	493504
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	8.0	7.7	11.5
68	5.0	4.9	7.3

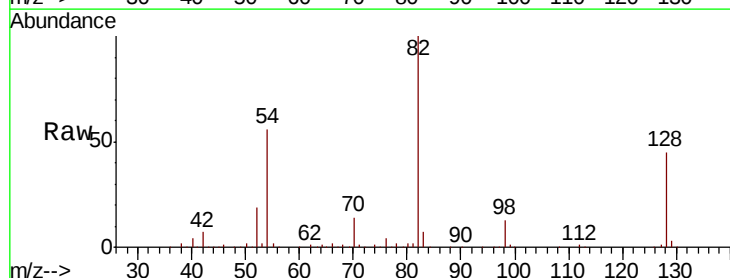


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

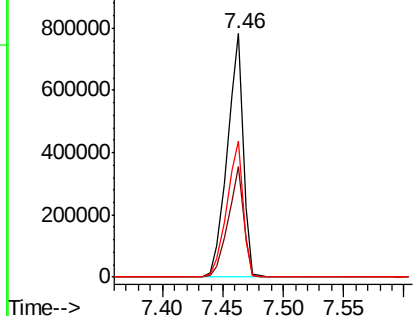
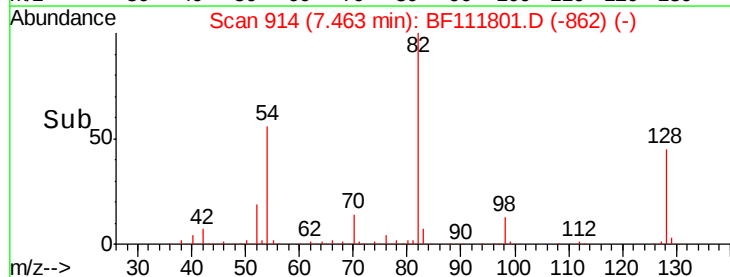


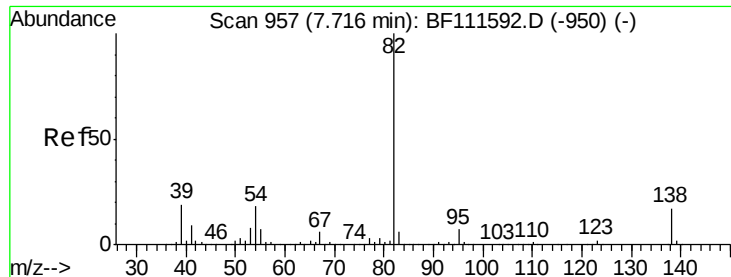
#23
Nitrobenzene-d5
Concen: 84.514 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.01 min
Lab File: BF111801.D
Acq: 28 Dec 2018 20:56

Tgt Ion:	82	Resp:	716537
Ion	Ratio	Lower	Upper
82	100		
128	45.3	37.4	56.2
54	55.8	47.6	71.4



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

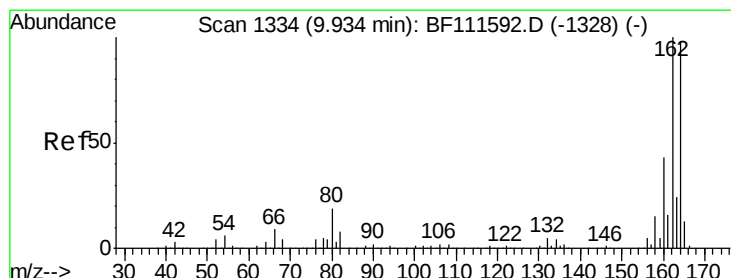
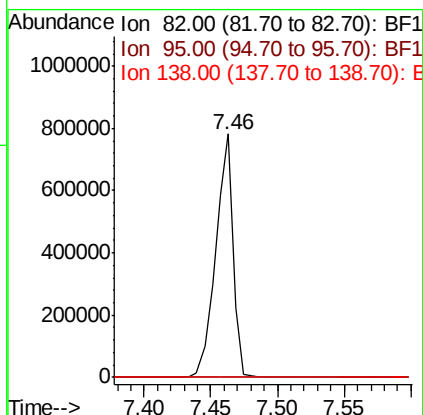
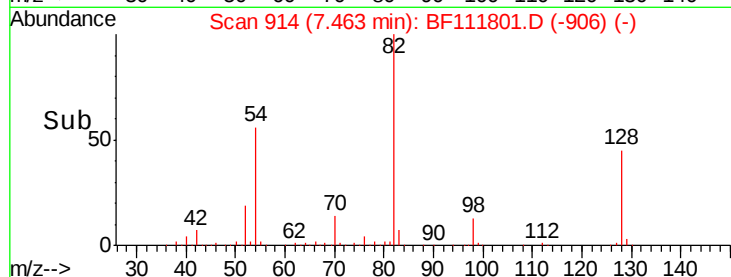
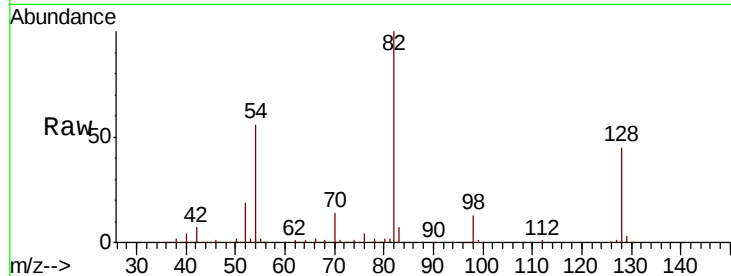




#25
Isophorone
Concen: 47.339 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.25 min
Lab File: BF111801.D
Acq: 28 Dec 2018 20:56

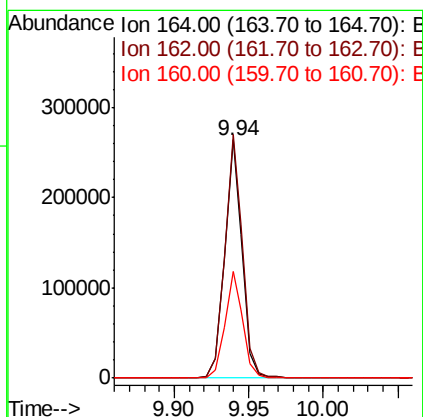
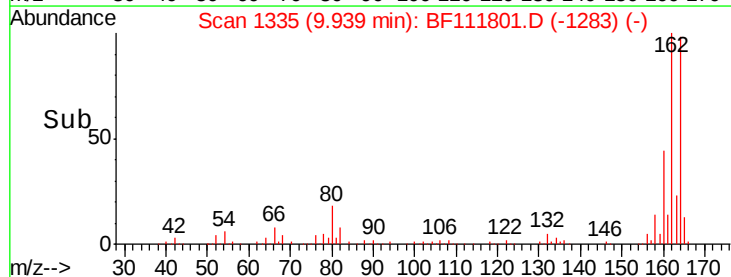
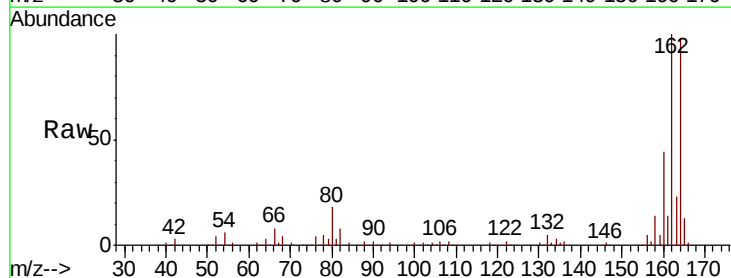
Instrument :
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PB116072BL

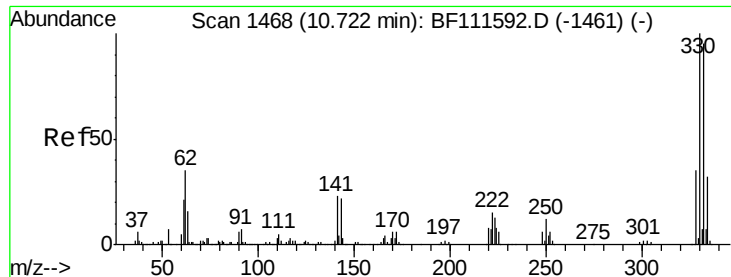
Tgt Ion: 82 Resp: 712514
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.01 min
Lab File: BF111801.D
Acq: 28 Dec 2018 20:56

Tgt Ion: 164 Resp: 217362
Ion Ratio Lower Upper
164 100
162 102.2 81.4 122.0
160 44.5 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 99.714 ng

RT: 10.73 min Scan# 1470

Delta R.T. 0.01 min

Lab File: BF111801.D

Acq: 28 Dec 2018 20:56

Instrument :

BNA_F

ClientSampleId :

PB116072BL

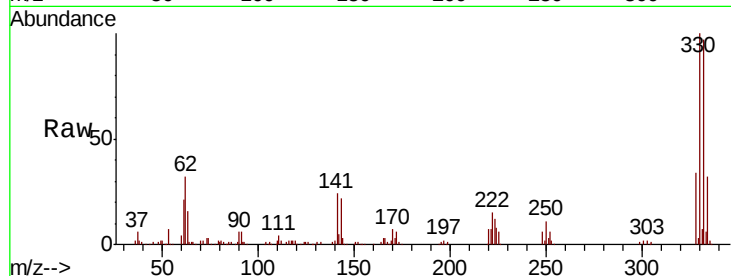
Tgt Ion:330 Resp: 256095

Ion Ratio Lower Upper

330 100

332 95.7 76.0 114.0

141 30.4 31.0 46.6#

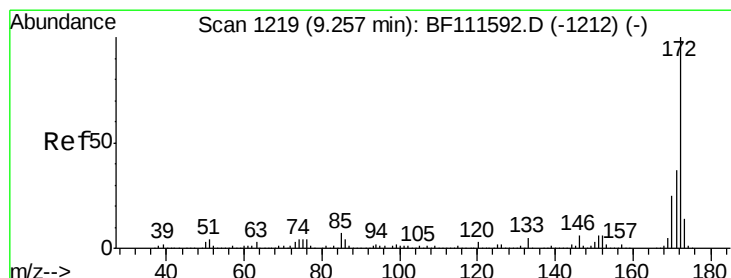
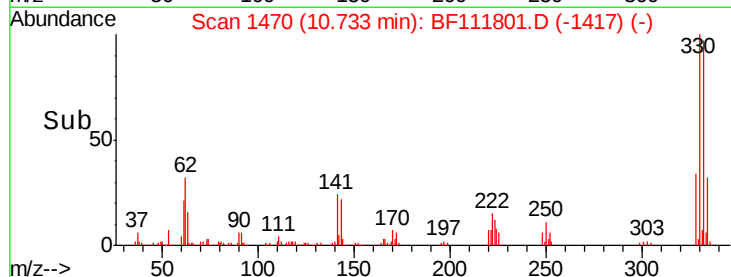
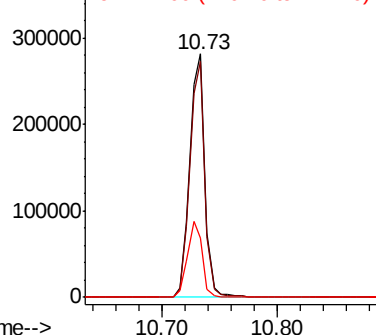


Abundance

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



#45

2-Fluorobiphenyl

Concen: 90.786 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.00 min

Lab File: BF111801.D

Acq: 28 Dec 2018 20:56

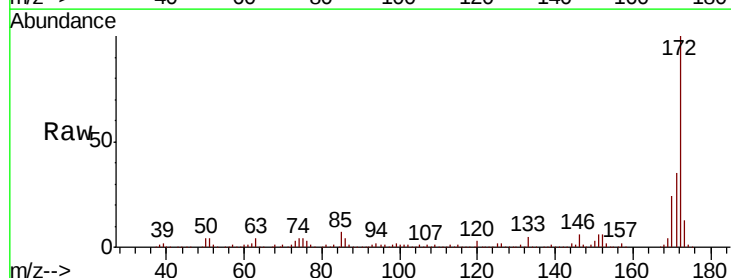
Tgt Ion:172 Resp: 1353851

Ion Ratio Lower Upper

172 100

171 35.1 33.0 49.4

170 23.6 22.3 33.5

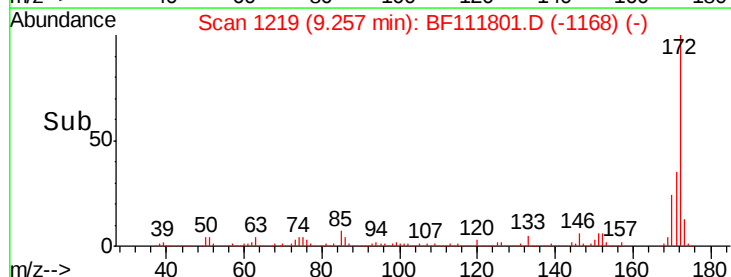
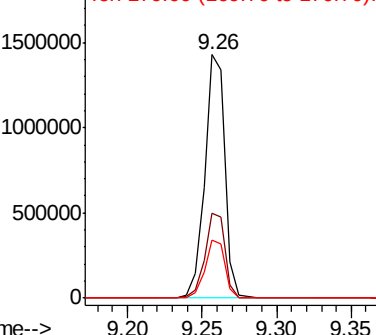


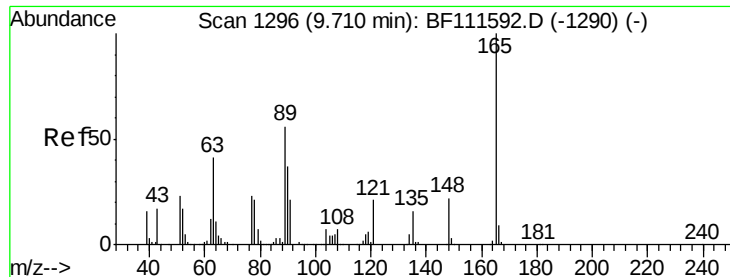
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 8.585 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.23 min

Lab File: BF111801.D

Acq: 28 Dec 2018 20:56

Instrument :

BNA_F

ClientSampleId :

PB116072BL

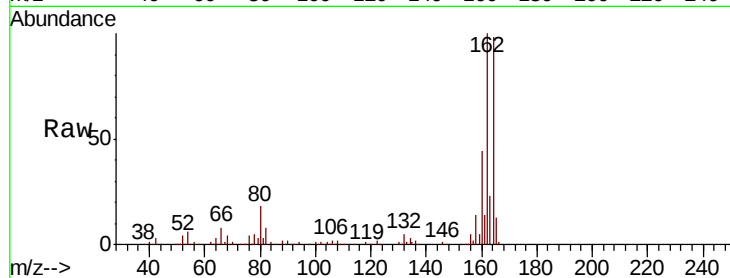
Tgt Ion:165 Resp: 27211

Ion Ratio Lower Upper

165 100

63 1.2 40.5 60.7#

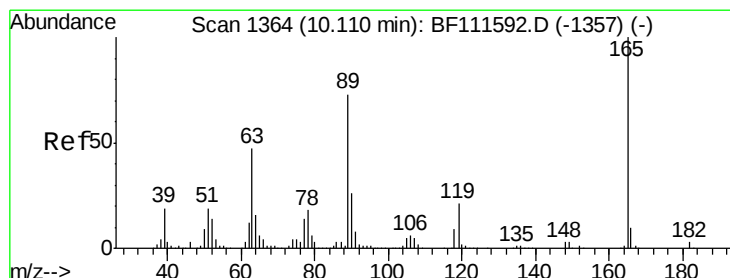
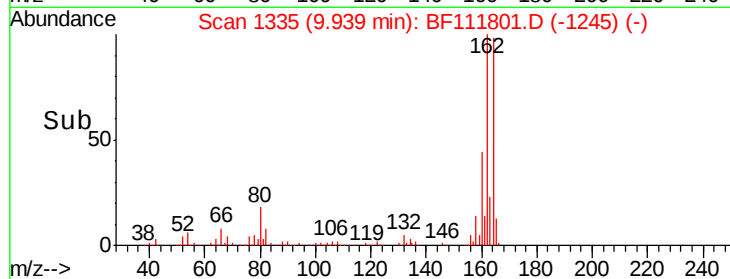
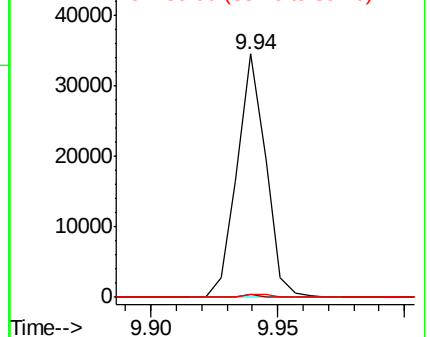
89 1.3 40.0 60.0#



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



#57

2,4-Dinitrotoluene

Concen: 7.143 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.17 min

Lab File: BF111801.D

Acq: 28 Dec 2018 20:56

Tgt Ion:165 Resp: 27211

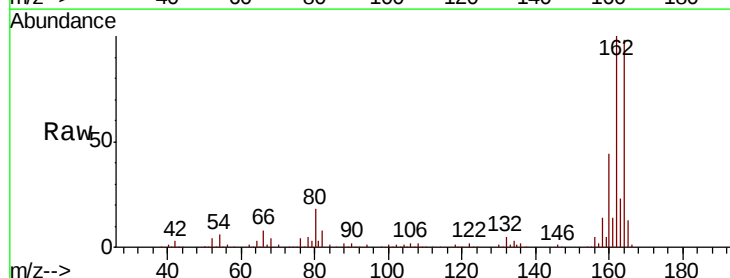
Ion Ratio Lower Upper

165 100

63 1.2 34.6 52.0#

89 1.3 56.2 84.4#

182 0.0 1.8 2.6#

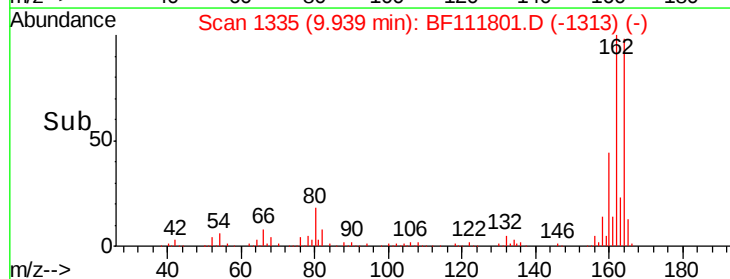
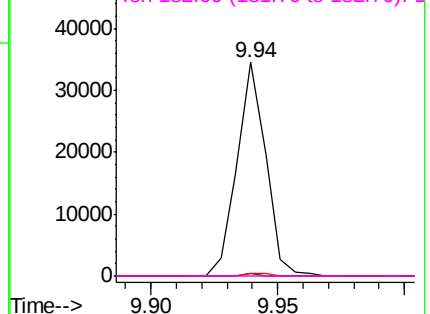


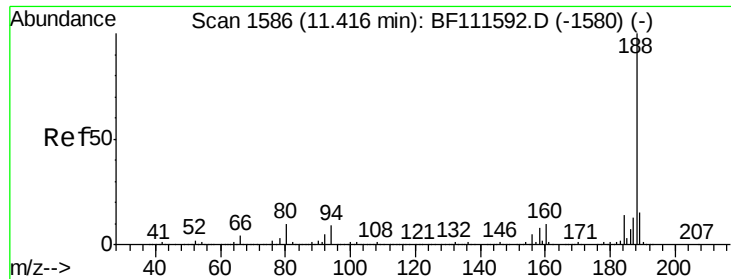
Abundance Ion 165.00 (164.70 to 165.70): E

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

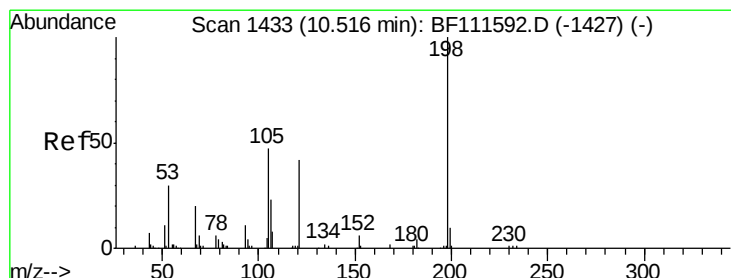
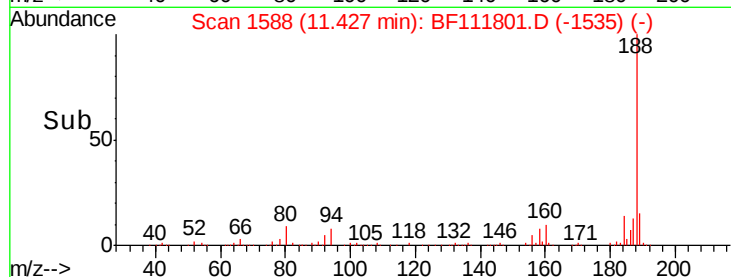
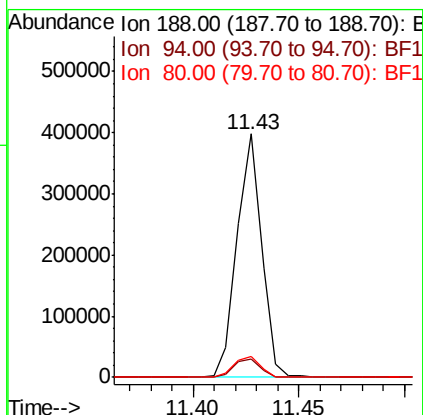
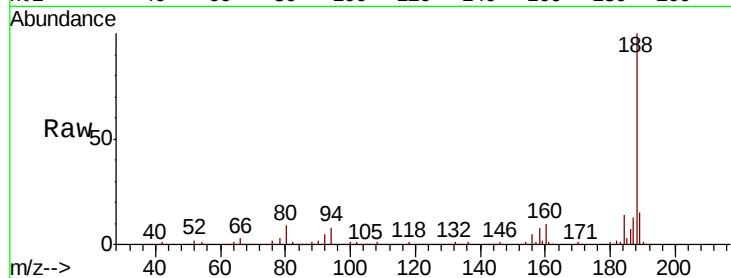




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF111801.D
Acq: 28 Dec 2018 20:56

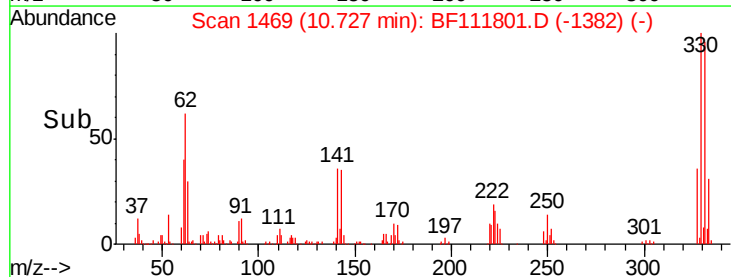
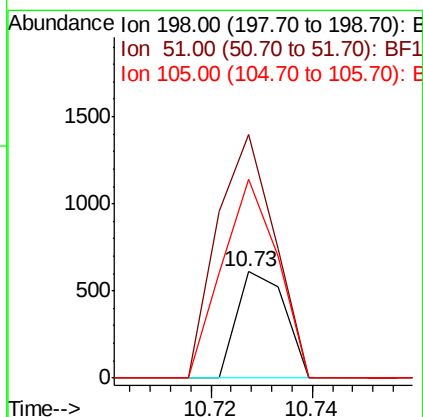
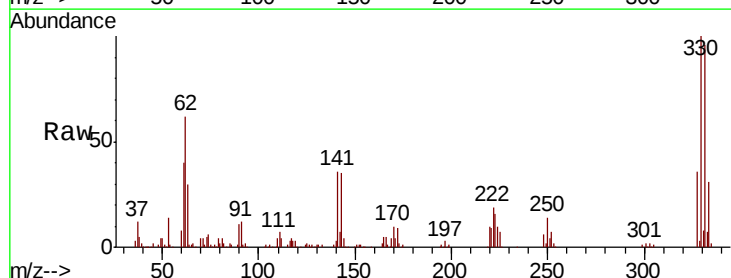
Instrument :
BNA_F
ClientSampleID :
PB116072BL

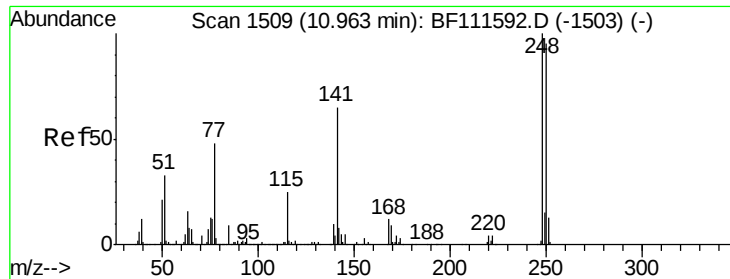
Tgt Ion:188 Resp: 322154
Ion Ratio Lower Upper
188 100
94 7.5 9.6 14.4#
80 8.8 9.8 14.6#



#65
4,6-Dinitro-2-methylphenol
Concen: 6.952 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.21 min
Lab File: BF111801.D
Acq: 28 Dec 2018 20:56

Tgt Ion:198 Resp: 401
Ion Ratio Lower Upper
198 100
51 229.4 48.0 88.0#
105 187.8 34.0 74.0#

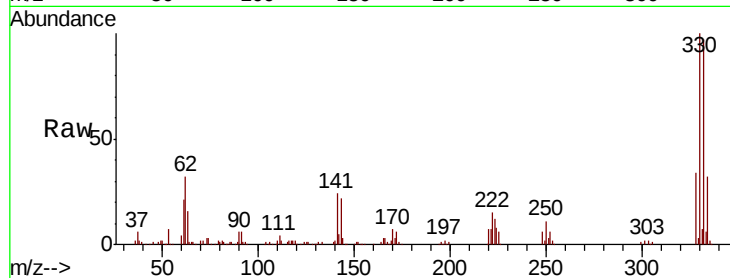




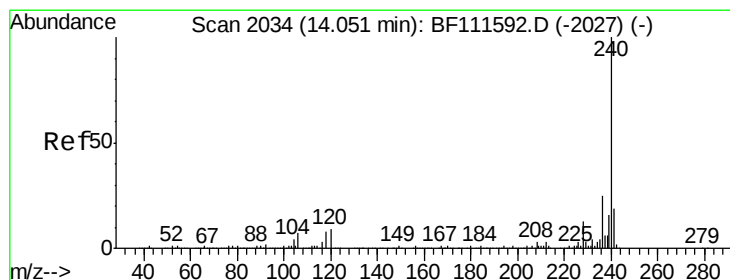
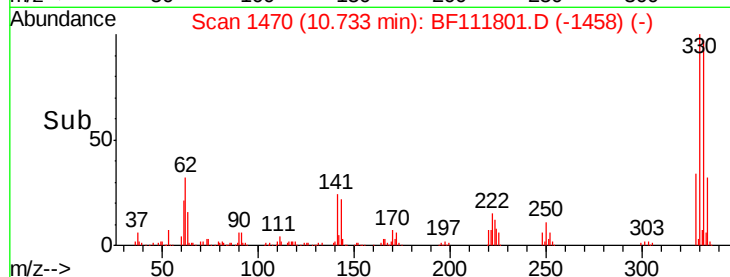
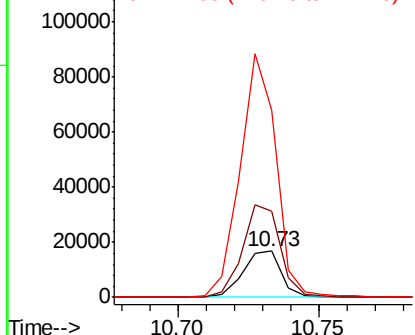
#67
4-Bromophenyl-phenylether
Concen: 3.882 ng
RT: 10.73 min Scan# 1470
Delta R.T. -0.23 min
Lab File: BF111801.D
Acq: 28 Dec 2018 20:56

Instrument :
BNA_F
ClientSampleId :
PB116072BL

Tgt Ion:248 Resp: 15513
Ion Ratio Lower Upper
248 100
250 186.7 77.0 115.4#
141 407.9 63.0 94.6#

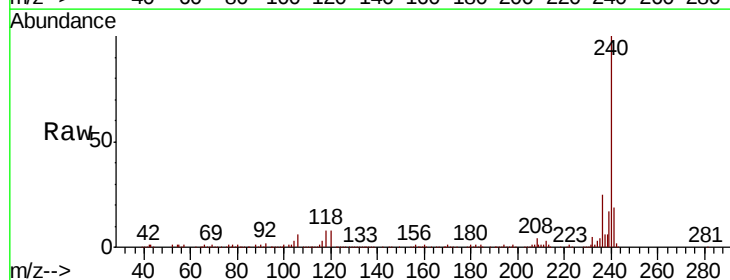


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

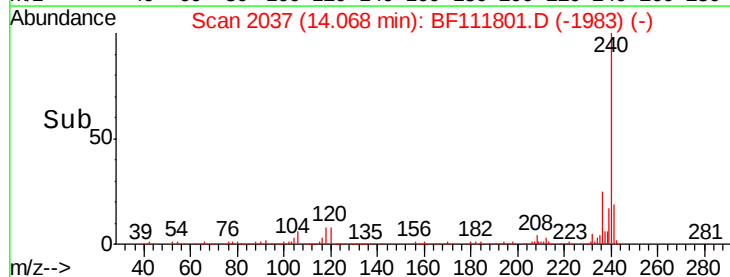
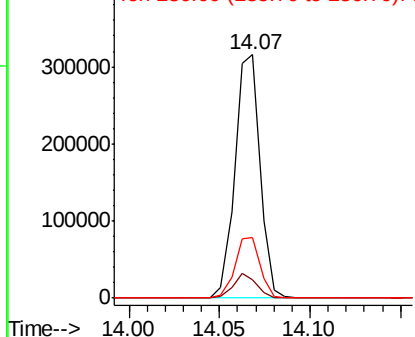


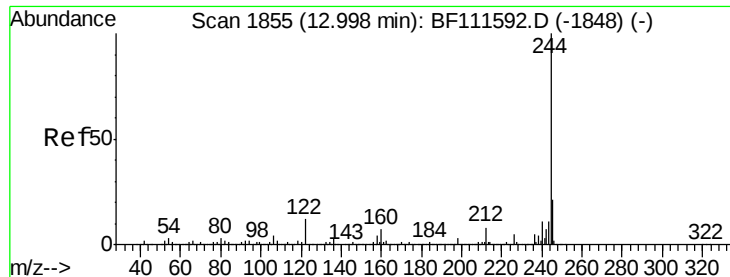
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.02 min
Lab File: BF111801.D
Acq: 28 Dec 2018 20:56

Tgt Ion:240 Resp: 303342
Ion Ratio Lower Upper
240 100
120 7.7 12.2 18.2#
236 24.9 20.2 30.2



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





#79

Terphenyl-d14

Concen: 68.608 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BF111801.D

Acq: 28 Dec 2018 20:56

Instrument :

BNA_F

ClientSampleId :

PB116072BL

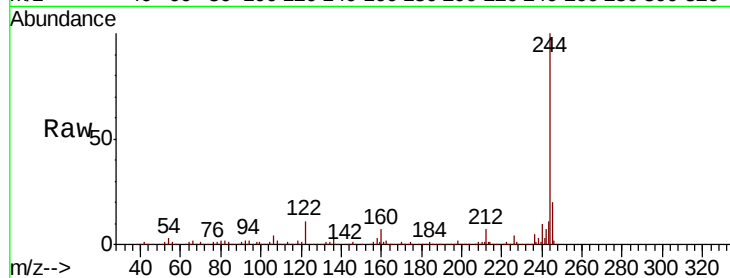
Tgt Ion:244 Resp: 1097424

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

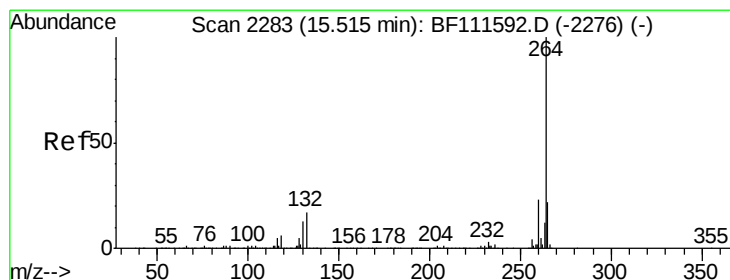
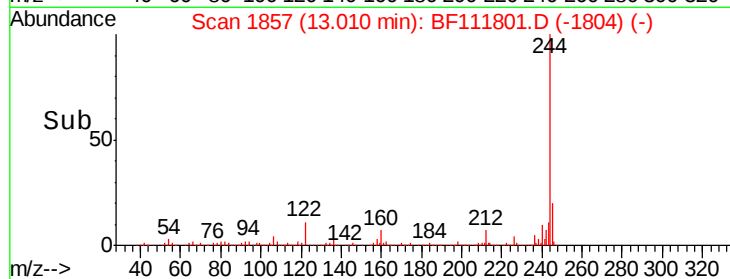
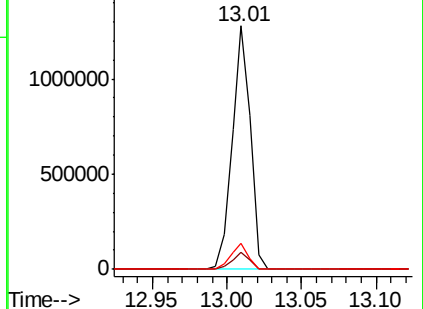
122 10.5 13.1 19.7#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2290

Delta R.T. 0.04 min

Lab File: BF111801.D

Acq: 28 Dec 2018 20:56

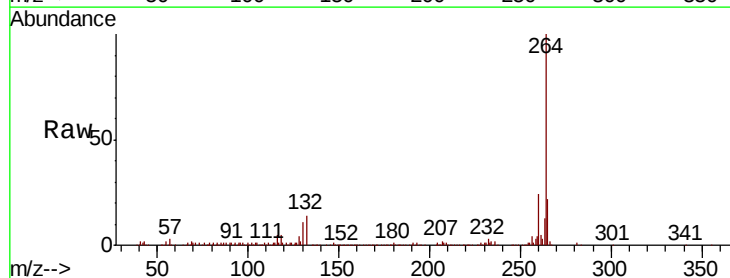
Tgt Ion:264 Resp: 222288

Ion Ratio Lower Upper

264 100

260 23.8 18.3 27.5

265 22.0 17.7 26.5



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

