

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071516\
 Data File : BF089019.D
 Acq On : 15 Jul 2016 16:25
 Operator : UM/SJ
 Sample : H3972-02 4X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB08(0-2in)

Quant Time: Jul 15 22:58:15 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

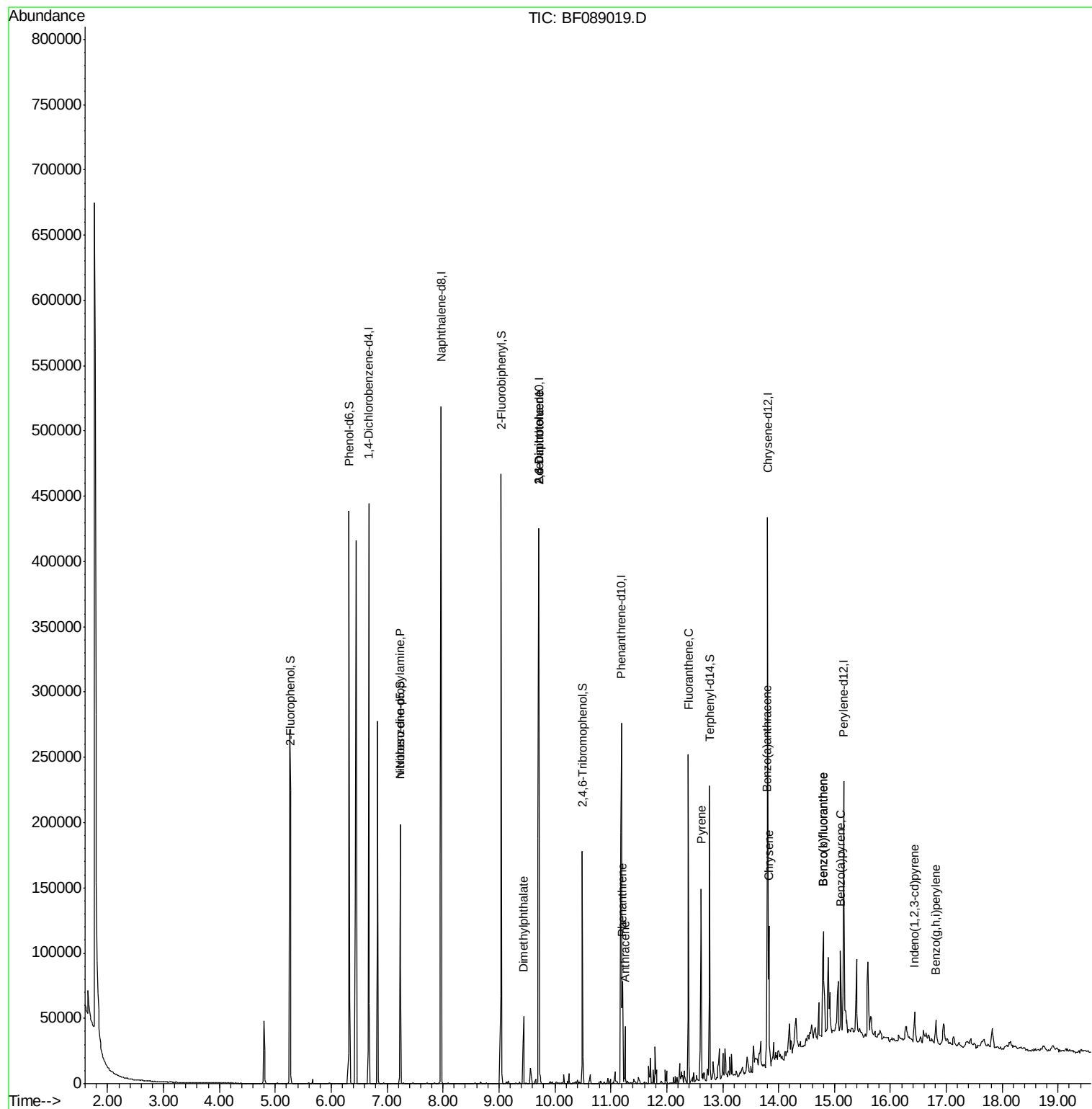
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	58300	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	235857	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	88997	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	130677	20.00	ng	-0.03
75) Chrysene-d12	13.81	240	110390	20.00	ng	-0.05
86) Perylene-d12	15.17	264	79593	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	101298	26.04	ng	-0.02
7) Phenol-d6	6.32	99	129891	25.84	ng	-0.03
23) Nitrobenzene-d5	7.23	82	72286	16.06	ng	-0.05
41) 2,4,6-Tribromophenol	10.49	330	15370	18.60	ng	-0.05
44) 2-Fluorobiphenyl	9.04	172	131234	23.29	ng	-0.03
78) Terphenyl-d14	12.77	244	64374	12.99	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.23	70	9827	2.91	ng	# 79
49) Dimethylphthalate	9.44	163	26490	4.18	ng	98
50) 2,6-Dinitrotoluene	9.71	165	11711	8.33	ng	# 37
56) 2,4-Dinitrotoluene	9.71	165	11711	6.37	ng	# 36
70) Phenanthrene	11.21	178	40175	5.62	ng	97
71) Anthracene	11.26	178	15515	2.18	ng	97
74) Fluoranthene	12.39	202	88758	12.26	ng	96
77) Pyrene	12.62	202	78019	8.34	ng	98
80) Benzo(a)anthracene	13.79	228	45322	6.38	ng	94
82) Chrysene	13.83	228	31116	4.42	ng	98
85) Indeno(1,2,3-cd)pyrene	16.43	276	13972	2.58	ng	# 100
87) Benzo(b)fluoranthene	14.80	252	50115	10.04	ng	# 96
88) Benzo(k)fluoranthene	14.80	252	50115	11.53	ng	99
89) Benzo(a)pyrene	15.11	252	25930	6.13	ng	97
91) Benzo(g,h,i)perylene	16.81	276	12897	3.53	ng	95

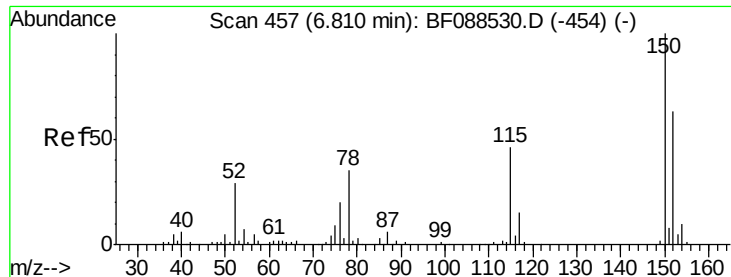
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 445

Delta R.T. -0.03 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB08(0-2in)

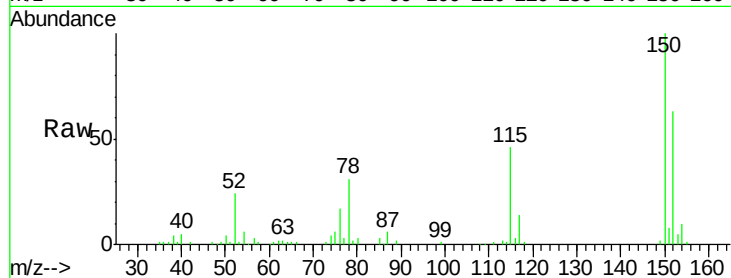
Tgt Ion:152 Resp: 58300

Ion Ratio Lower Upper

152 100

150 159.4 123.8 185.6

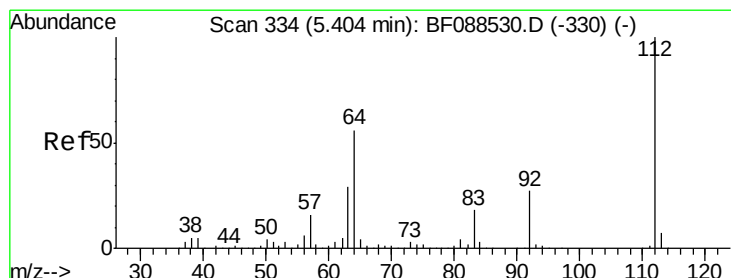
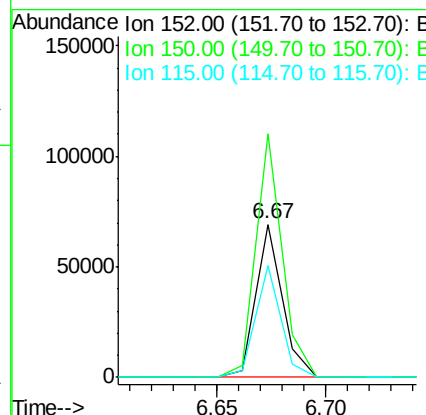
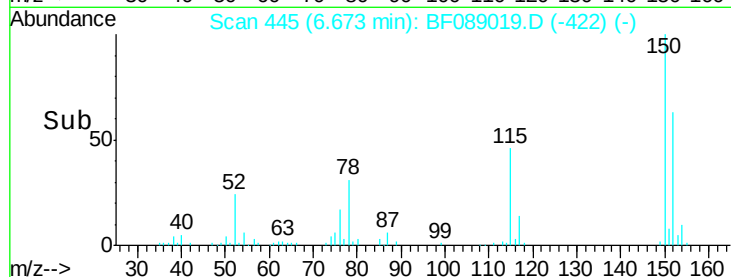
115 73.3 39.6 59.4#



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: 26.04 ng

RT: 5.27 min Scan# 322

Delta R.T. -0.02 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

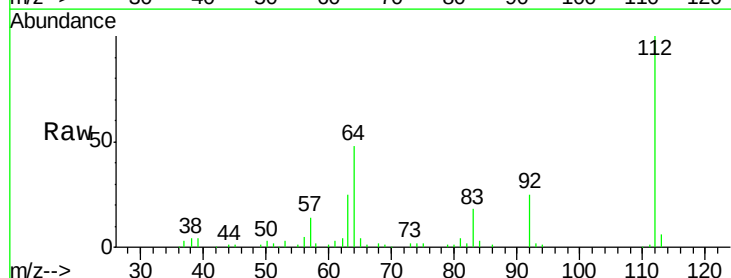
Tgt Ion:112 Resp: 101298

Ion Ratio Lower Upper

112 100

64 47.8 42.2 63.2

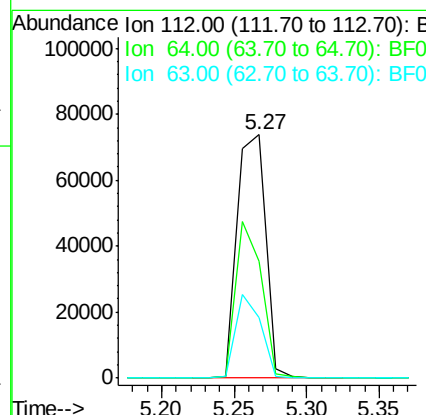
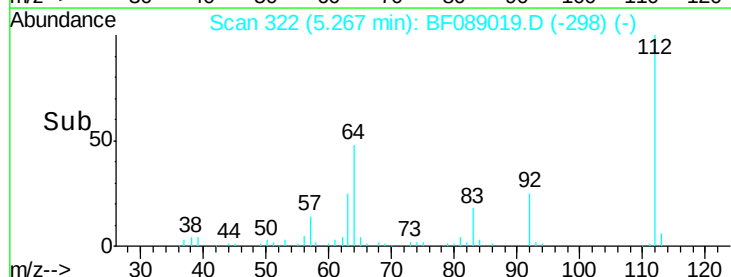
63 25.1 21.8 32.8

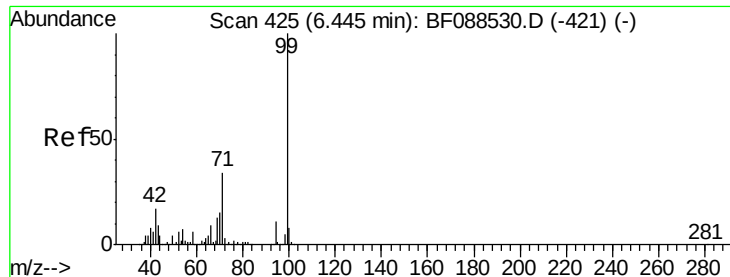


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 25.84 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.03 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB08(0-2in)

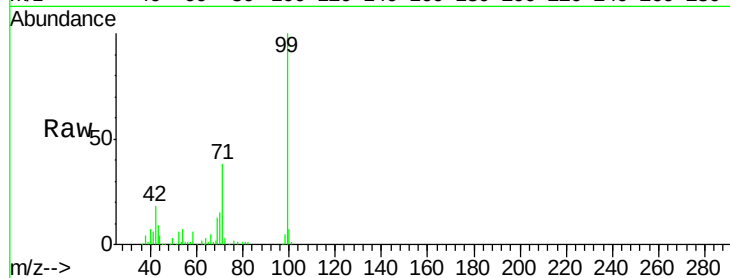
Tgt Ion: 99 Resp: 129891

Ion Ratio Lower Upper

99 100

42 18.3 12.2 18.2#

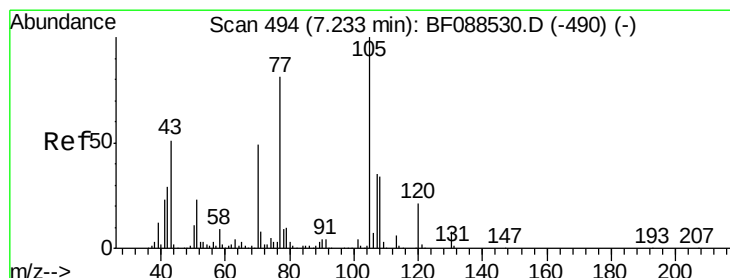
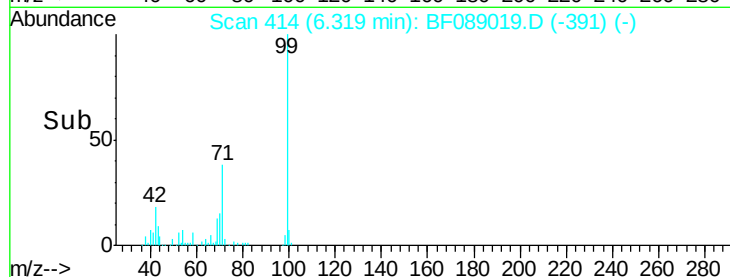
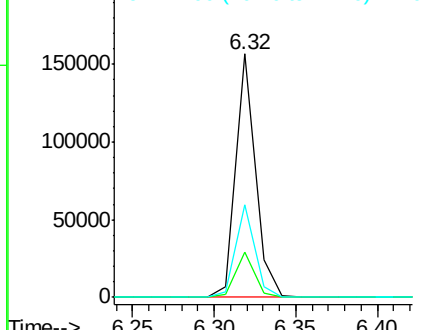
71 38.3 23.4 35.0#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 2.91 ng

RT: 7.23 min Scan# 494

Delta R.T. 0.09 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

Tgt Ion: 70 Resp: 9827

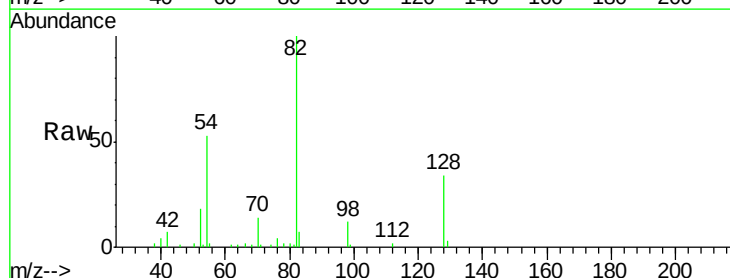
Ion Ratio Lower Upper

70 100

42 51.8 49.6 74.4

101 0.0 7.1 10.7#

130 0.0 15.4 23.2#

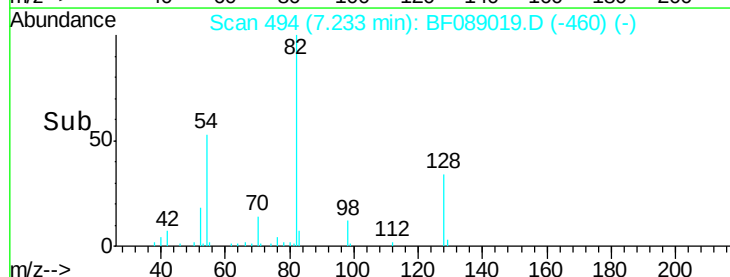
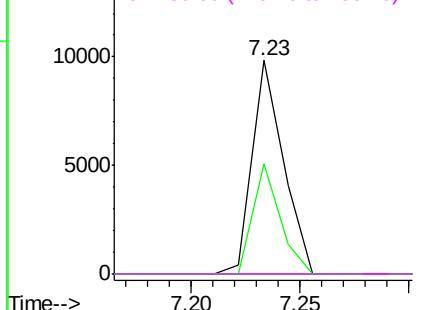


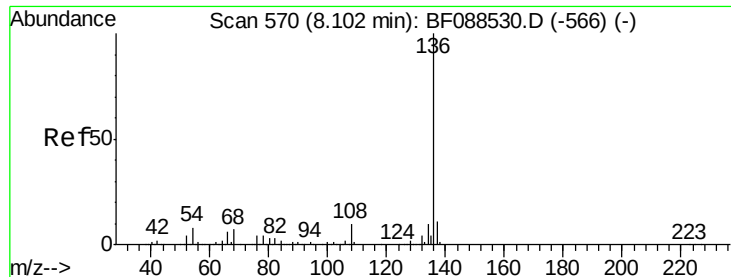
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. -0.03 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB08(0-2in)

Tgt Ion:136 Resp: 235857

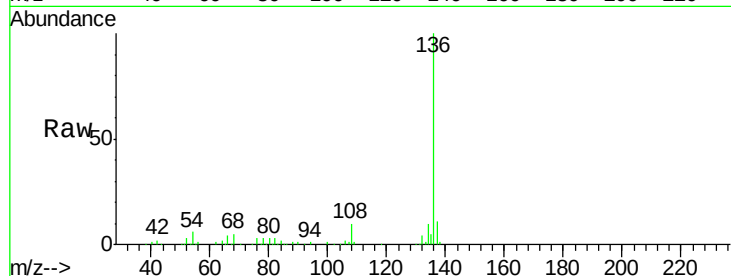
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.7 6.6 10.0#

68 4.7 5.1 7.7#

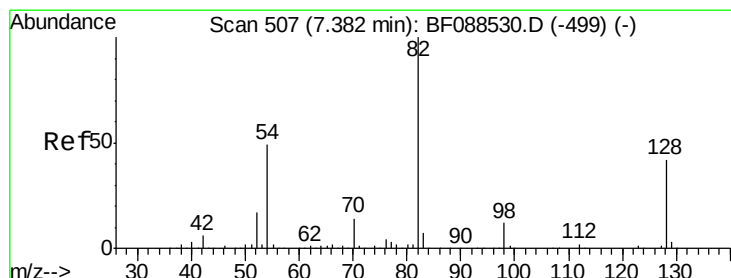
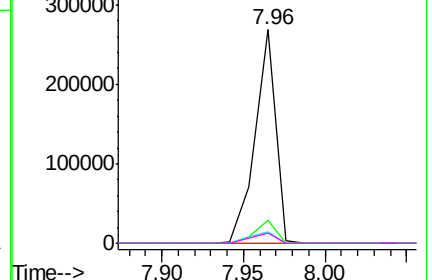
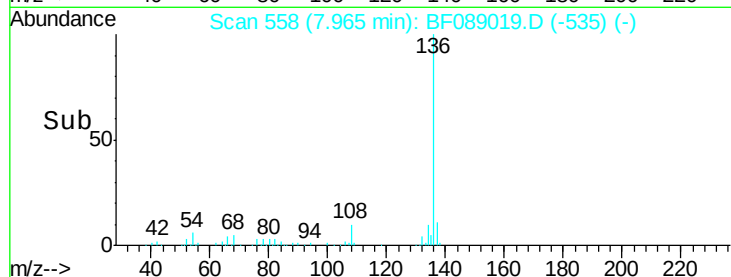


Abundance Ion 136.00 (135.70 to 136.70): E

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: 16.06 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.05 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

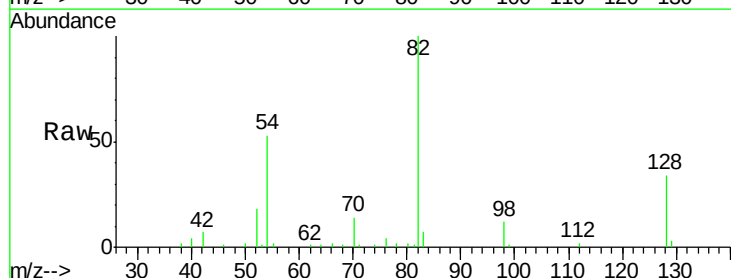
Tgt Ion: 82 Resp: 72286

Ion Ratio Lower Upper

82 100

128 34.4 35.9 53.9#

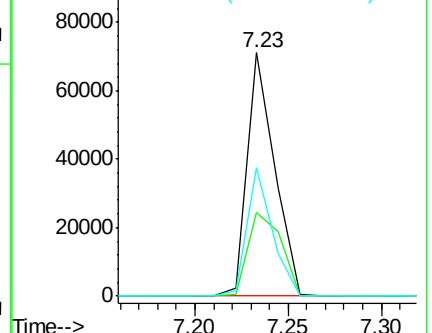
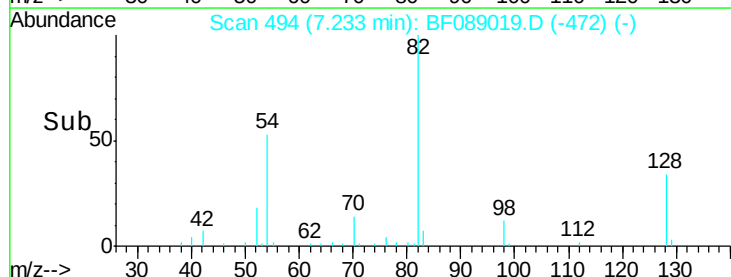
54 52.7 40.9 61.3

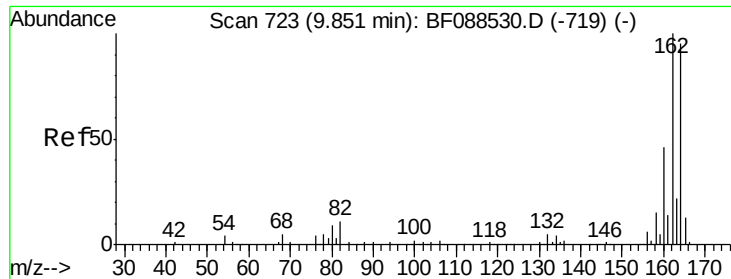


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

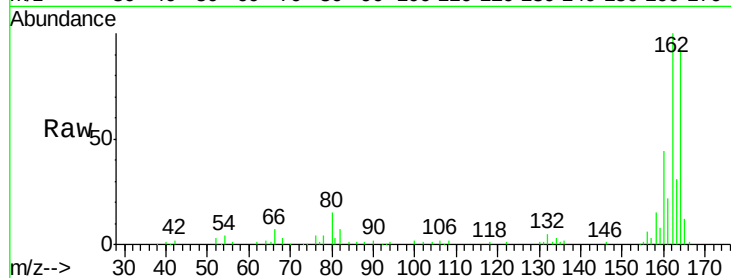




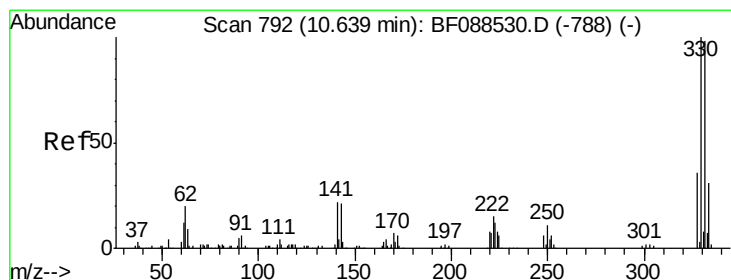
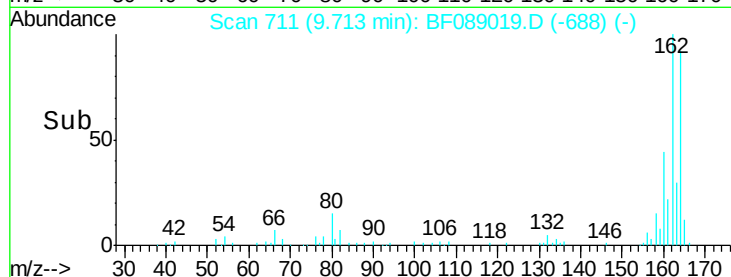
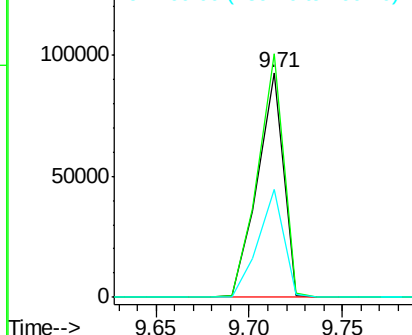
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.03 min
Lab File: BF089019.D
Acq: 15 Jul 2016 16:25

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB08(0-2in)

Tgt Ion:164 Resp: 88997
Ion Ratio Lower Upper
164 100
162 108.4 85.4 128.2
160 48.2 39.5 59.3

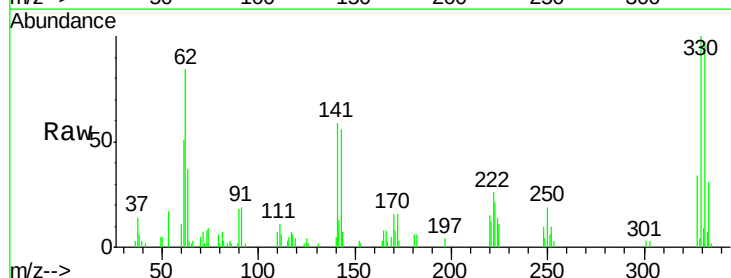


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

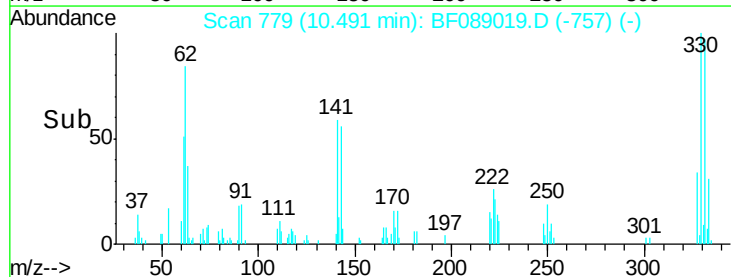
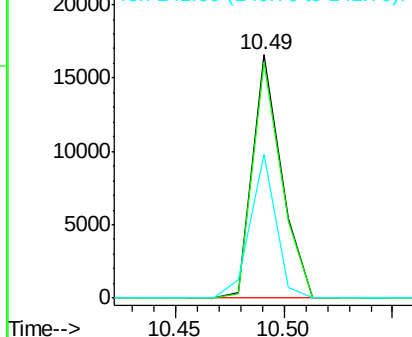


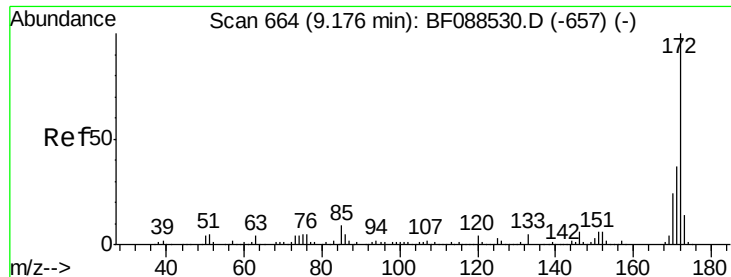
#41
2,4,6-Tribromophenol
Concen: 18.60 ng
RT: 10.49 min Scan# 779
Delta R.T. -0.05 min
Lab File: BF089019.D
Acq: 15 Jul 2016 16:25

Tgt Ion:330 Resp: 15370
Ion Ratio Lower Upper
330 100
332 96.6 0.0 0.0#
141 52.1 0.0 0.0#



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

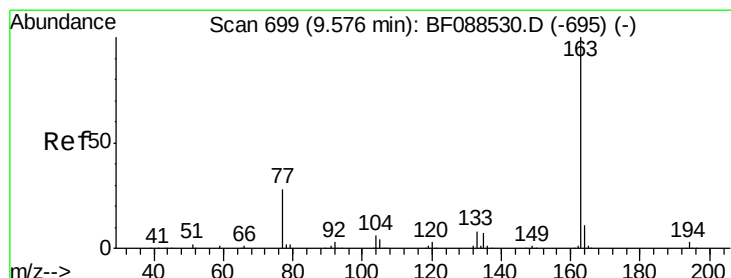
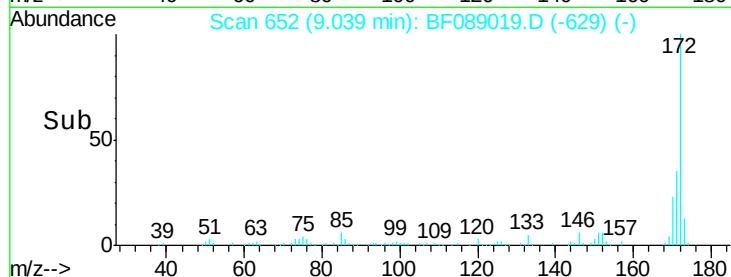
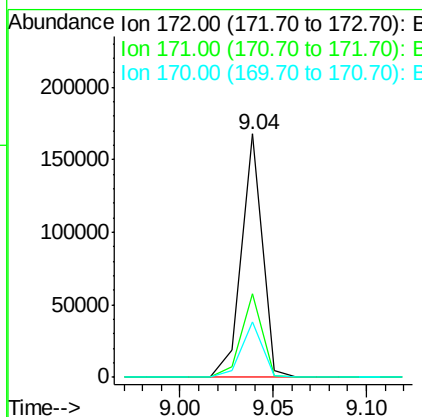
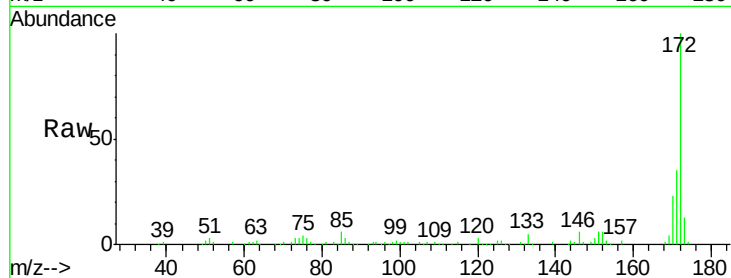




#44
2-Fluorobiphenyl
Concen: 23.29 ng
RT: 9.04 min Scan# 652
Delta R.T. -0.03 min
Lab File: BF089019.D
Acq: 15 Jul 2016 16:25

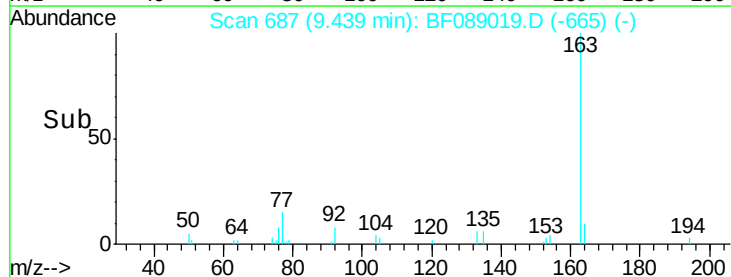
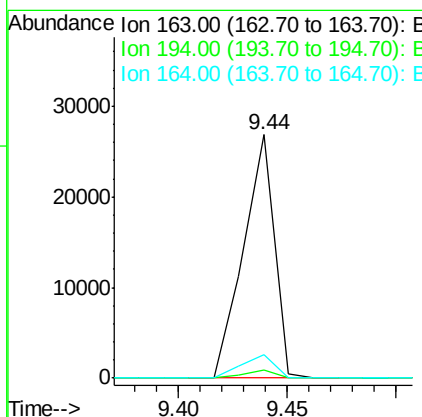
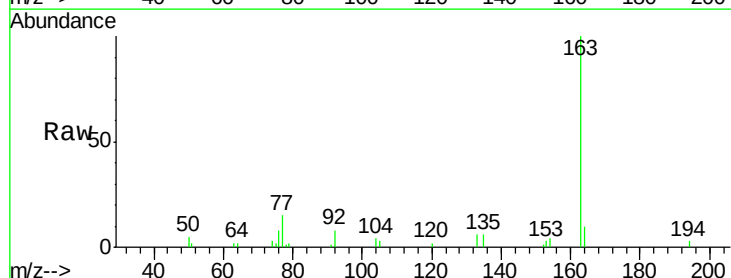
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB08(0-2in)

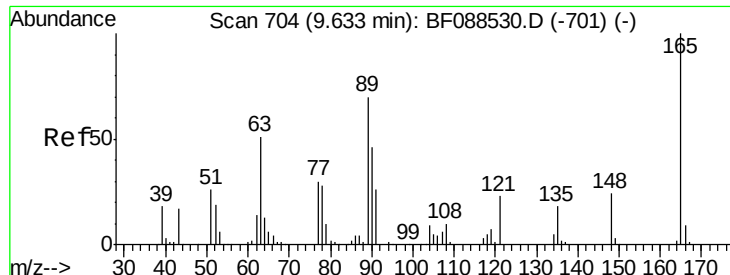
Tgt Ion:172 Resp: 131234
Ion Ratio Lower Upper
172 100
171 34.6 28.6 43.0
170 22.9 19.2 28.8



#49
Dimethylphthalate
Concen: 4.18 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.05 min
Lab File: BF089019.D
Acq: 15 Jul 2016 16:25

Tgt Ion:163 Resp: 26490
Ion Ratio Lower Upper
163 100
194 3.4 2.8 4.2
164 9.5 8.3 12.5

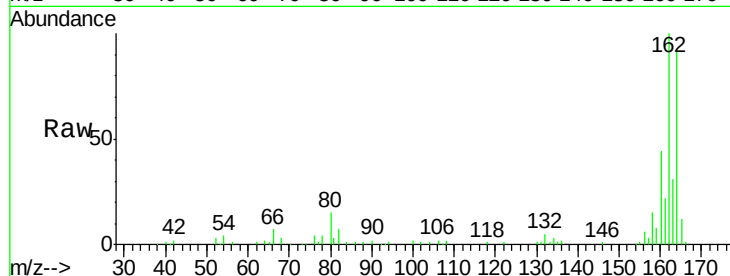




#50
 2,6-Dinitrotoluene
 Concen: 8.33 ng
 RT: 9.71 min Scan# 711
 Delta R.T. 0.17 min
 Lab File: BF089019.D
 Acq: 15 Jul 2016 16:25

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB08(0-2in)

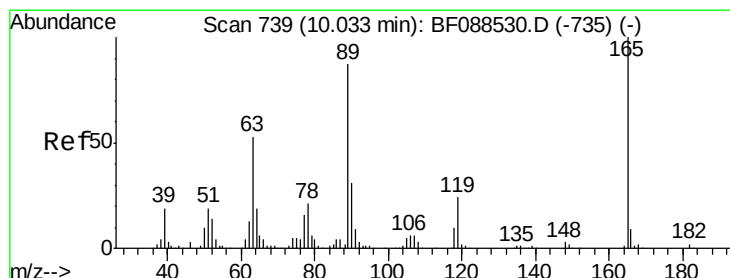
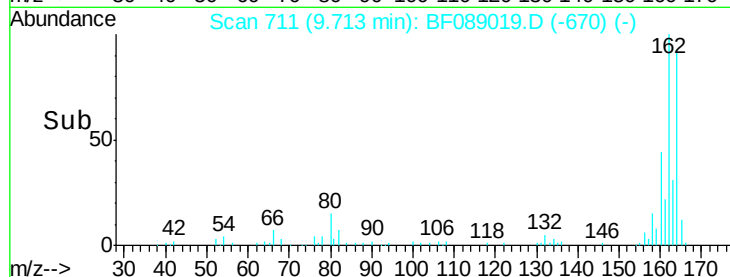
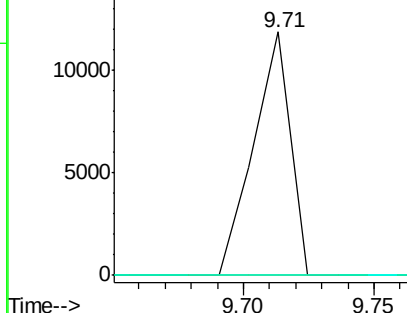
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.37 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.23 min
 Lab File: BF089019.D
 Acq: 15 Jul 2016 16:25

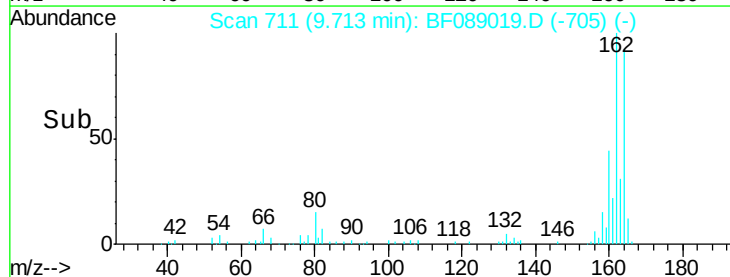
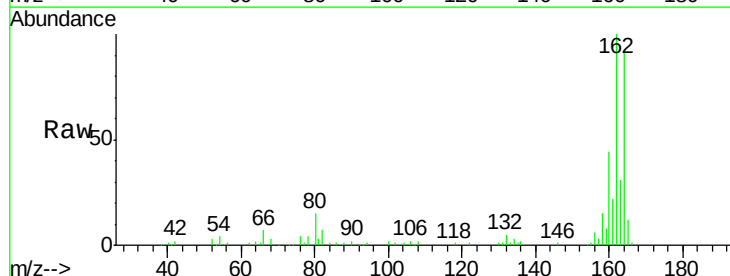
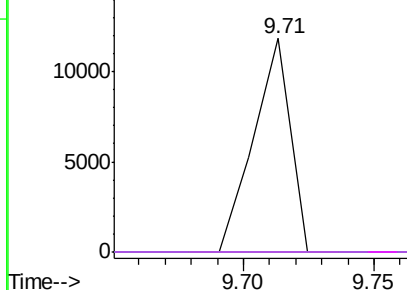
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

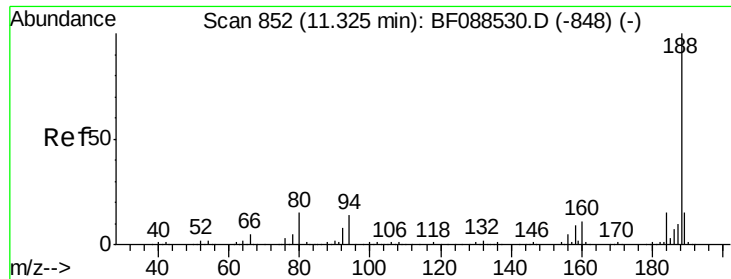
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

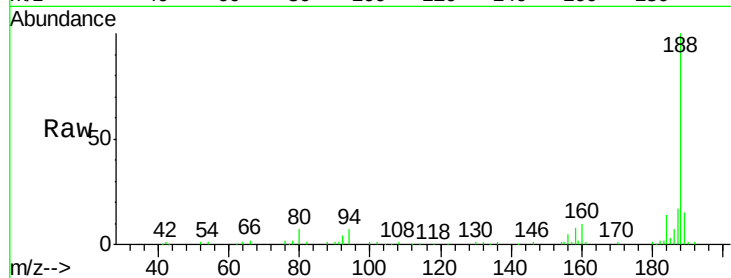




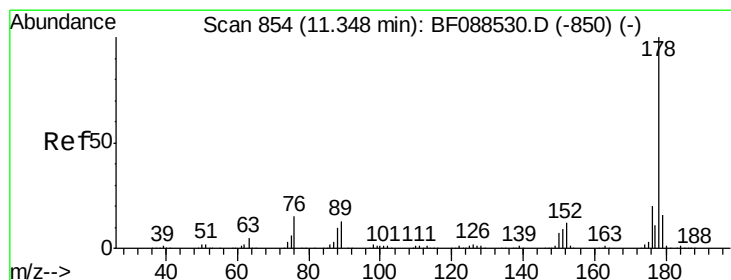
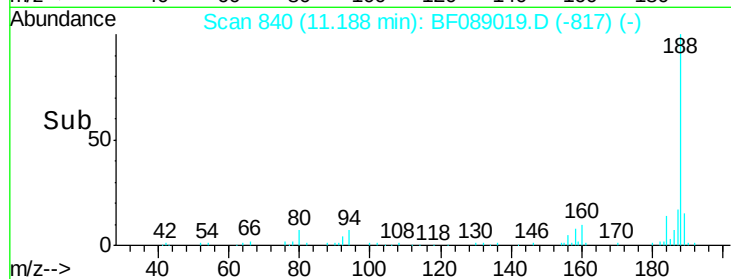
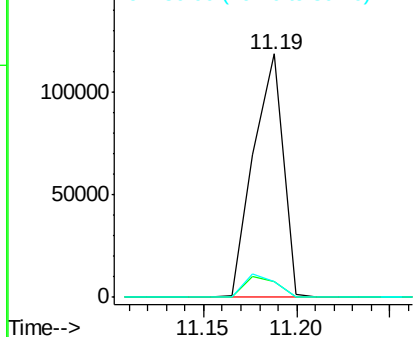
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.03 min
Lab File: BF089019.D
Acq: 15 Jul 2016 16:25

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB08(0-2in)

Tgt Ion:188 Resp: 130677
Ion Ratio Lower Upper
188 100
94 6.5 9.0 13.6#
80 6.7 10.0 15.0#

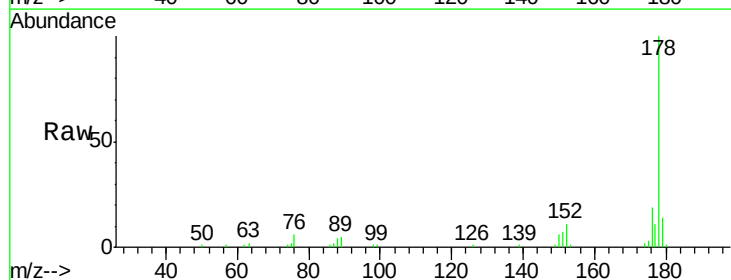


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

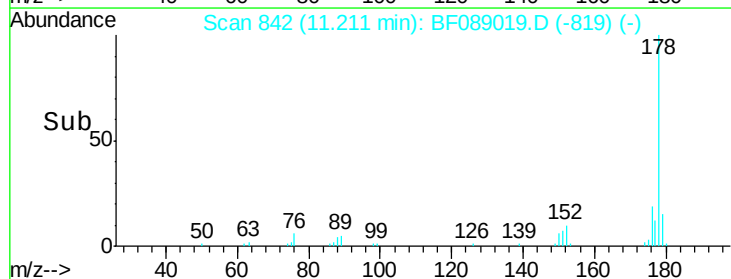
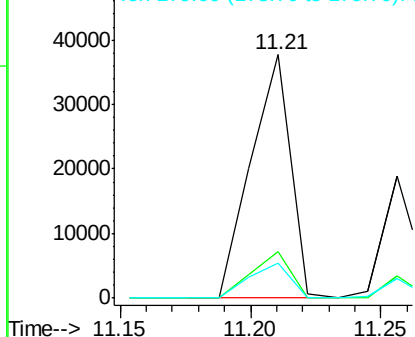


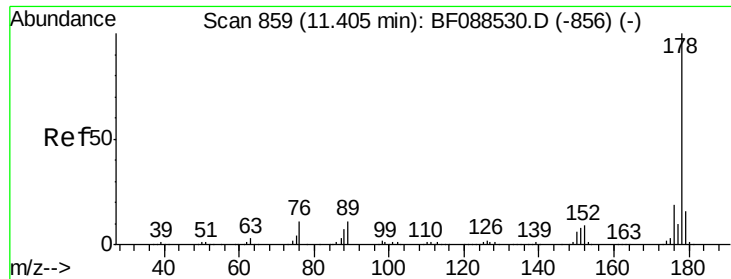
#70
Phenanthrene
Concen: 5.62 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.03 min
Lab File: BF089019.D
Acq: 15 Jul 2016 16:25

Tgt Ion:178 Resp: 40175
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 14.4 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

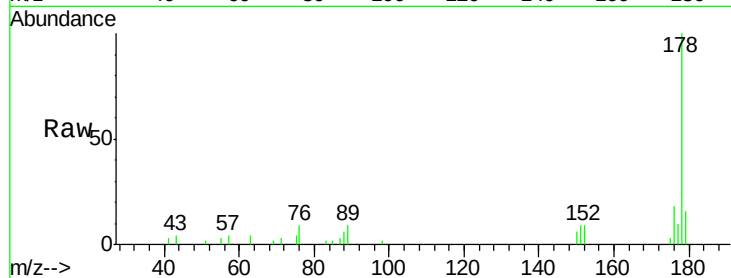




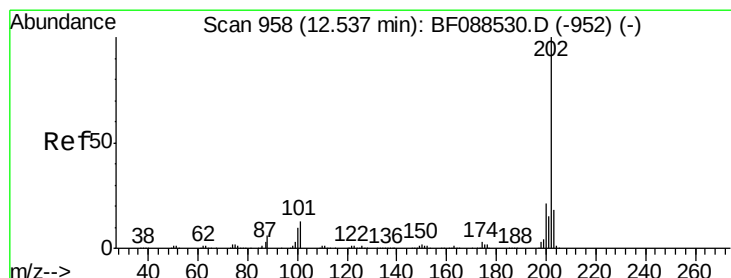
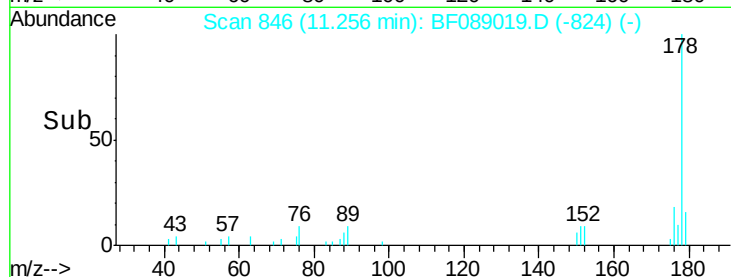
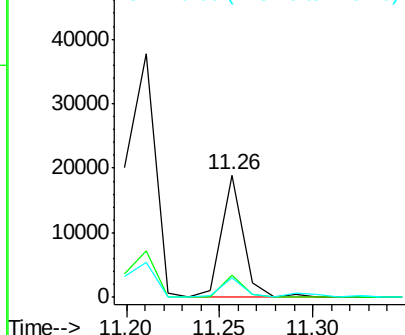
#71
 Anthracene
 Concen: 2.18 ng
 RT: 11.26 min Scan# 846
 Delta R.T. -0.05 min
 Lab File: BF089019.D
 Acq: 15 Jul 2016 16:25

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB08(0-2in)

Tgt Ion:178 Resp: 15515
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.6 23.4
 179 15.6 12.8 19.2

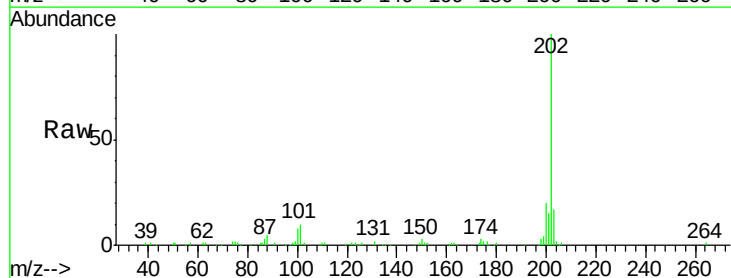


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

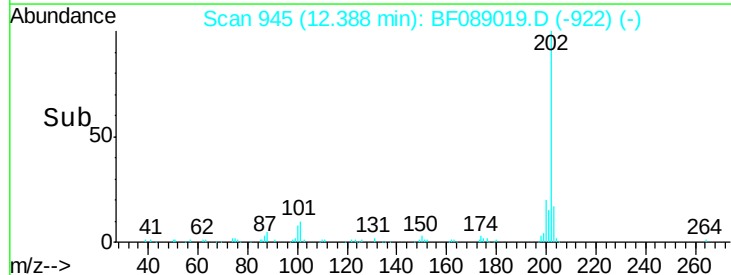
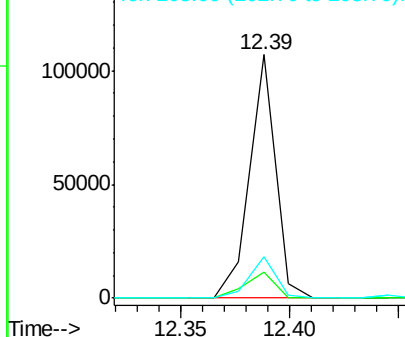


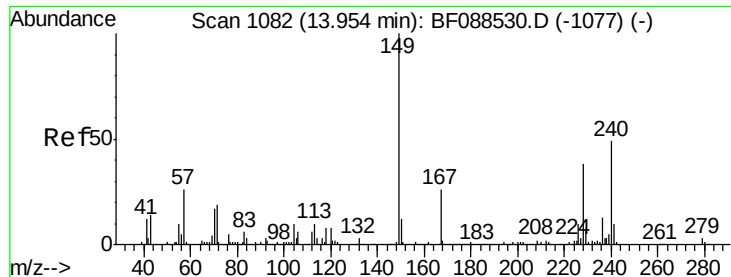
#74
 Fluoranthene
 Concen: 12.26 ng
 RT: 12.39 min Scan# 945
 Delta R.T. -0.03 min
 Lab File: BF089019.D
 Acq: 15 Jul 2016 16:25

Tgt Ion:202 Resp: 88758
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 33.1
 203 17.0 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: 13.81 min Scan# 1069

Delta R.T. -0.05 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB08(0-2in)

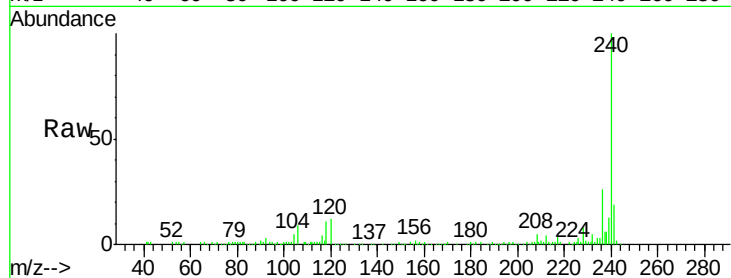
Tgt Ion:240 Resp: 110390

Ion Ratio Lower Upper

240 100

120 12.0 6.8 10.2#

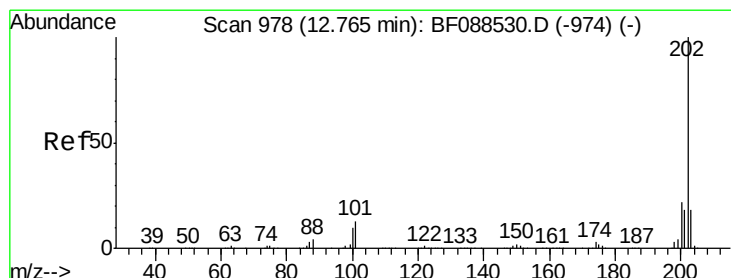
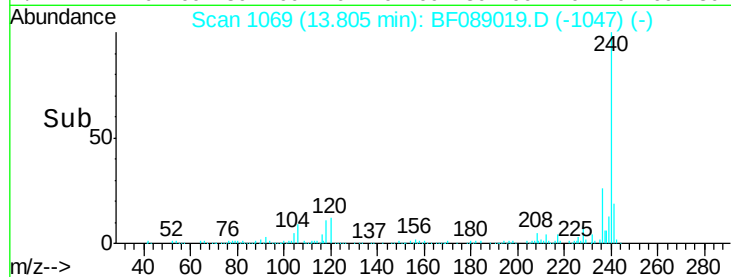
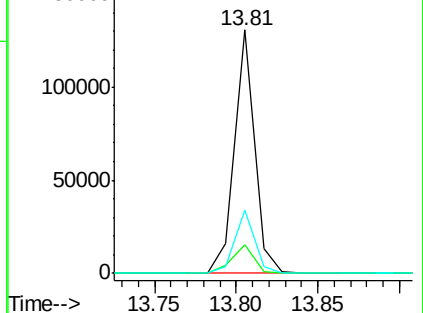
236 26.0 20.2 30.2



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



#77

Pyrene

Concen: 8.34 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.03 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

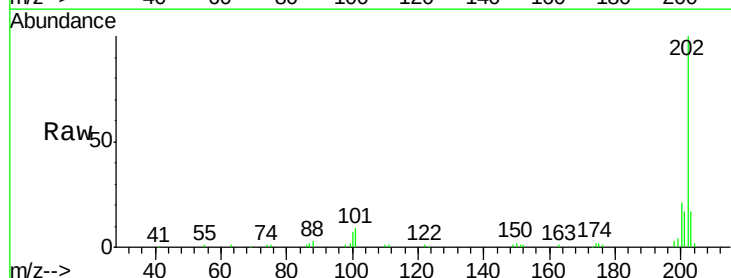
Tgt Ion:202 Resp: 78019

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

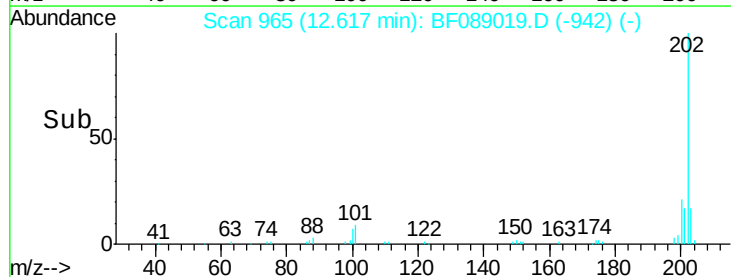
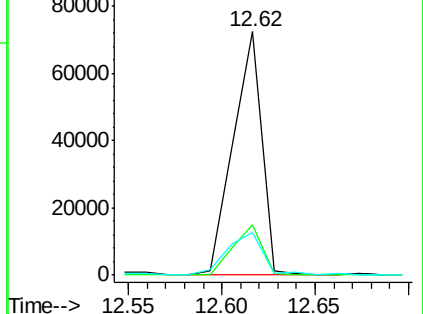
203 17.5 14.5 21.7

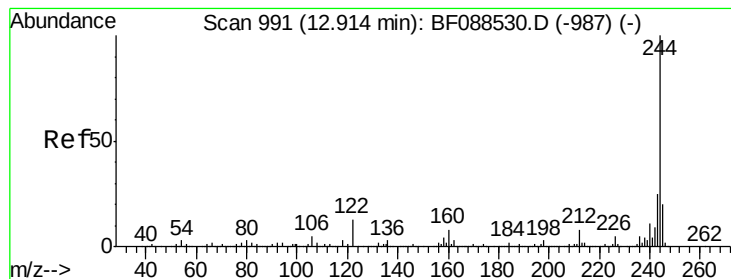


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 12.99 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.03 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB08(0-2in)

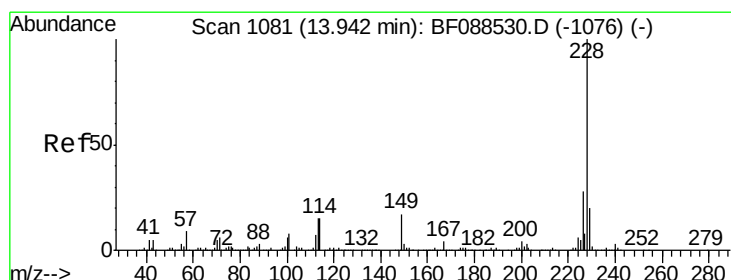
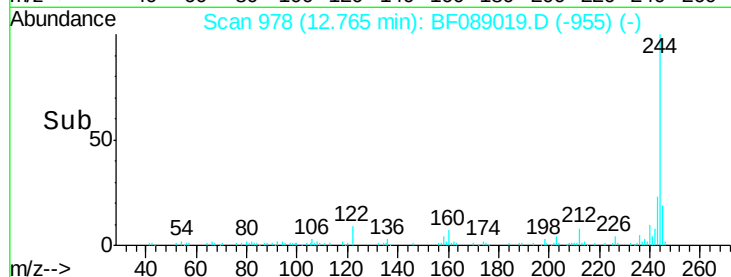
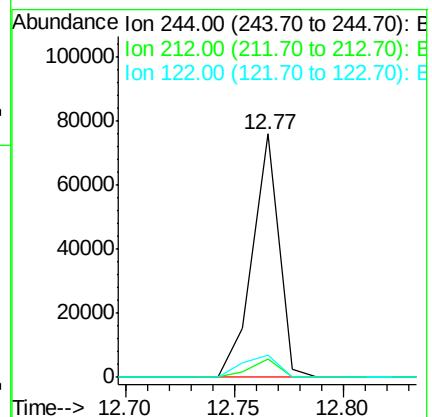
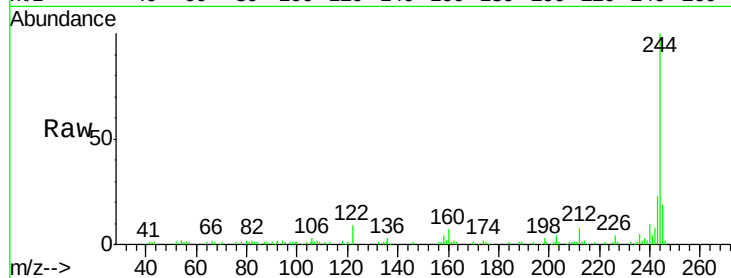
Tgt Ion:244 Resp: 64374

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 9.1 11.2 16.8#



#80

Benzo(a)anthracene

Concen: 6.38 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.05 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

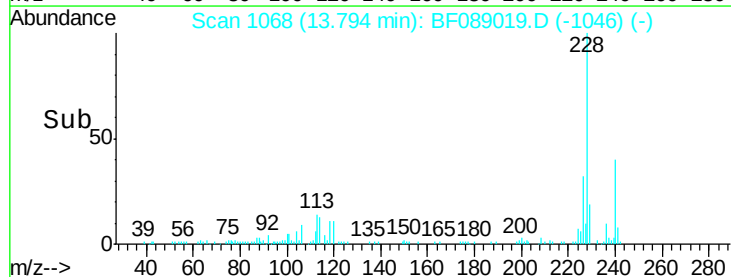
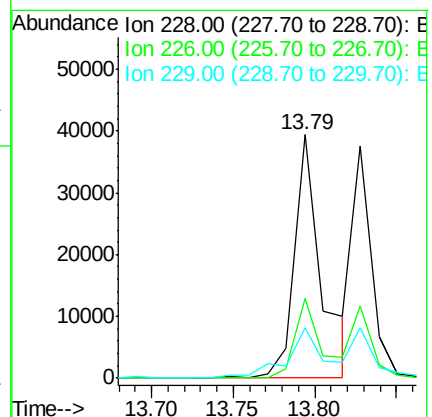
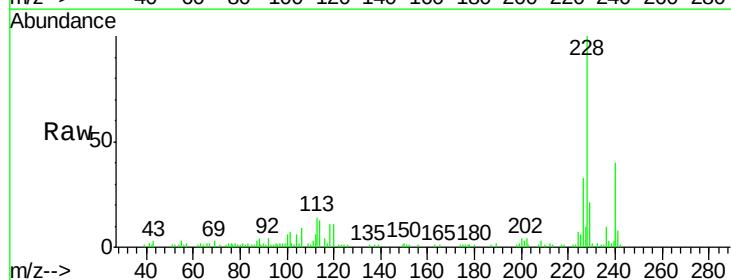
Tgt Ion:228 Resp: 45322

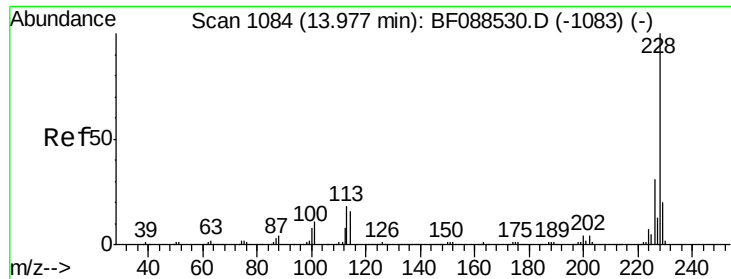
Ion Ratio Lower Upper

228 100

226 32.9 22.3 33.5

229 20.6 16.0 24.0





#82

Chrysene

Concen: 4.42 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.05 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB08(0-2in)

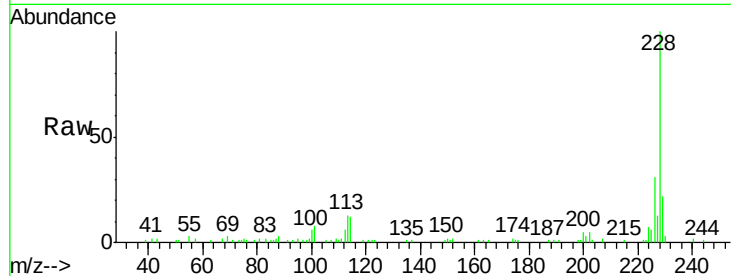
Tgt Ion:228 Resp: 31116

Ion Ratio Lower Upper

228 100

226 31.1 25.4 38.2

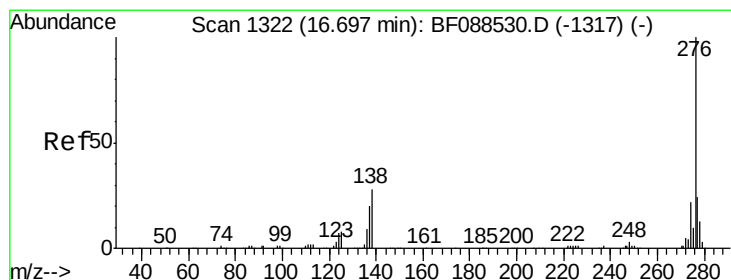
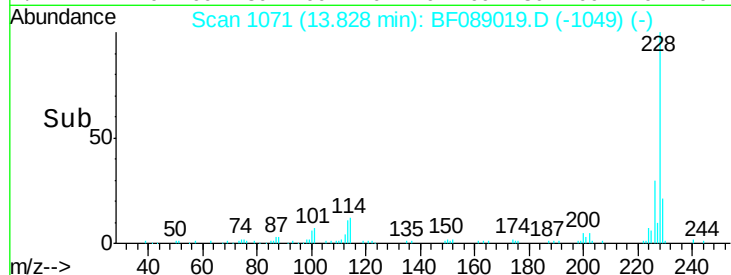
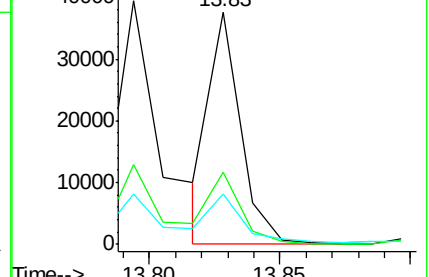
229 21.6 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.58 ng

RT: 16.43 min Scan# 1299

Delta R.T. -0.07 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

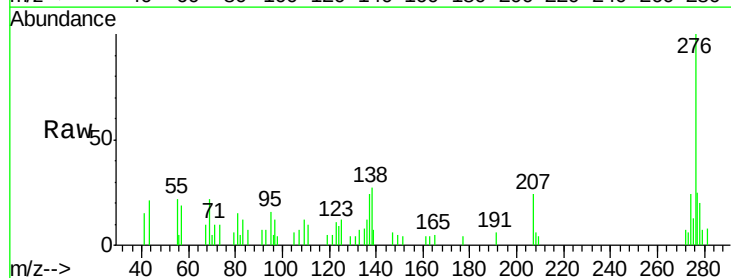
Tgt Ion:276 Resp: 13972

Ion Ratio Lower Upper

276 100

138 27.8 0.0 0.0#

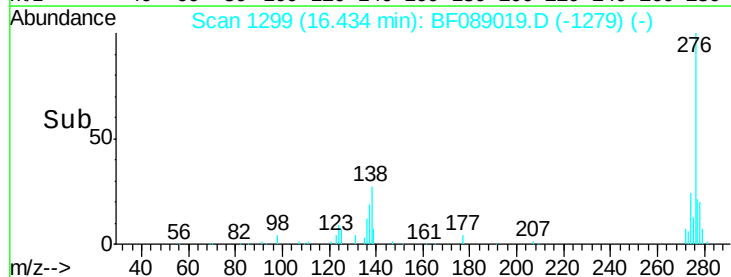
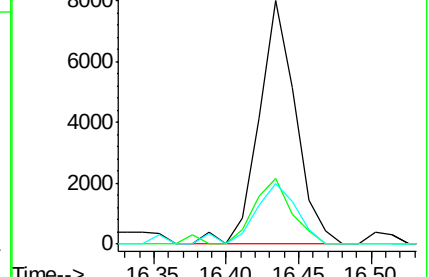
277 29.0 0.0 0.0#

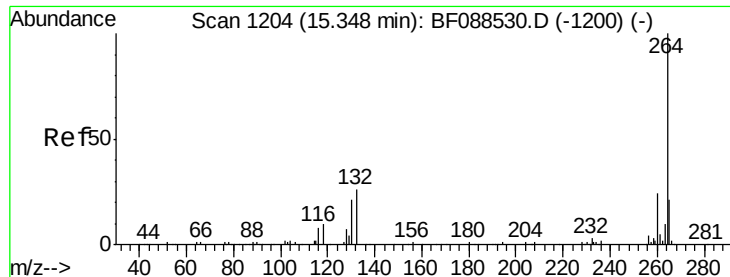


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



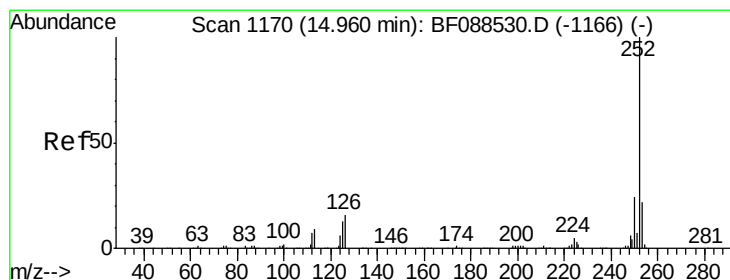
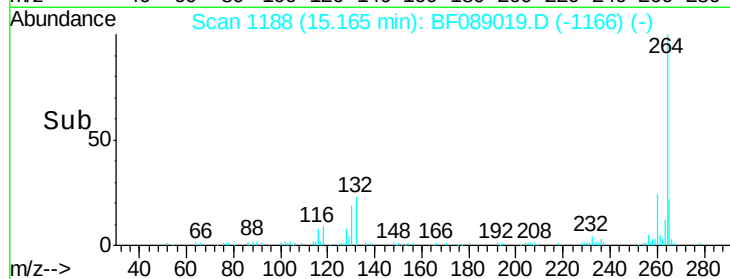
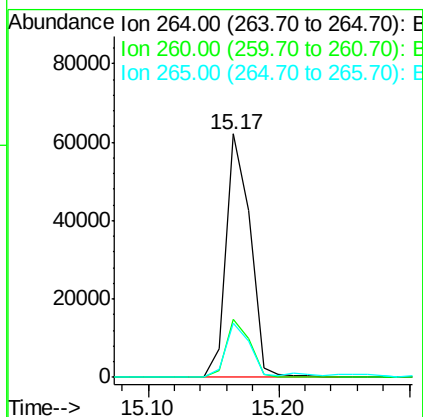
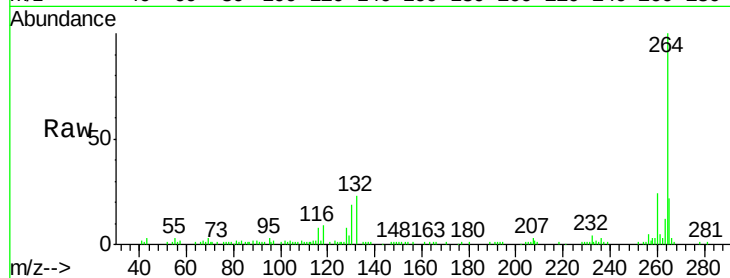


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1188
Delta R.T. -0.05 min
Lab File: BF089019.D
Acq: 15 Jul 2016 16:25

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB08(0-2in)

Tgt Ion: 264 Resp: 79593

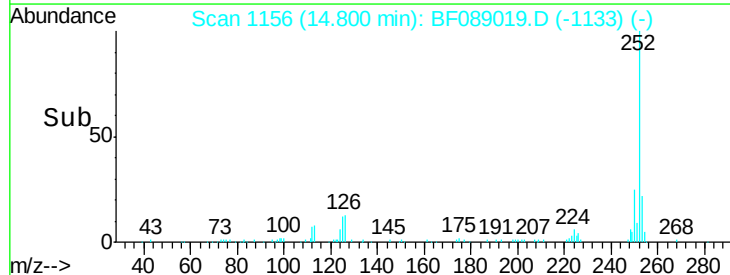
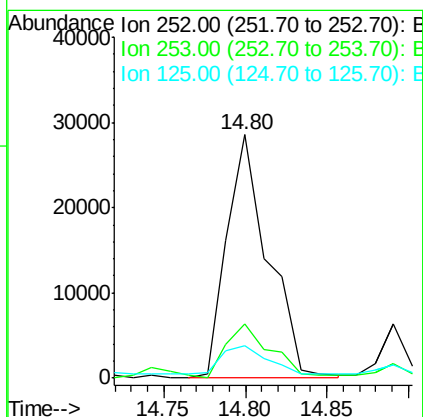
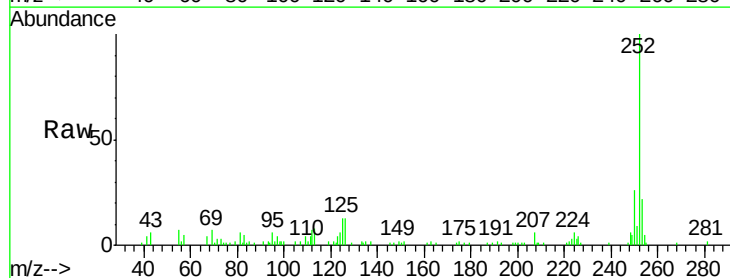
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.5	16.9	25.3

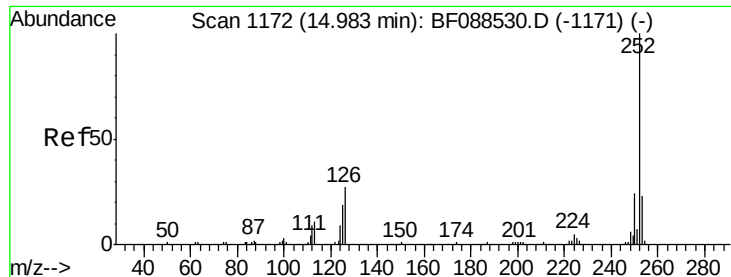


#87
Benzo(b)fluoranthene
Concen: 10.04 ng
RT: 14.80 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF089019.D
Acq: 15 Jul 2016 16:25

Tgt Ion: 252 Resp: 50115

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	13.2	7.1	10.7#





#88

Benzo(k)fluoranthene

Concen: 11.53 ng

RT: 14.80 min Scan# 1156

Delta R.T. -0.07 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB08(0-2in)

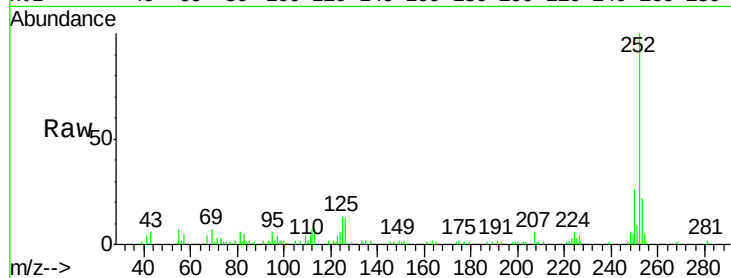
Tgt Ion:252 Resp: 50115

Ion Ratio Lower Upper

252 100

253 22.0 18.0 27.0

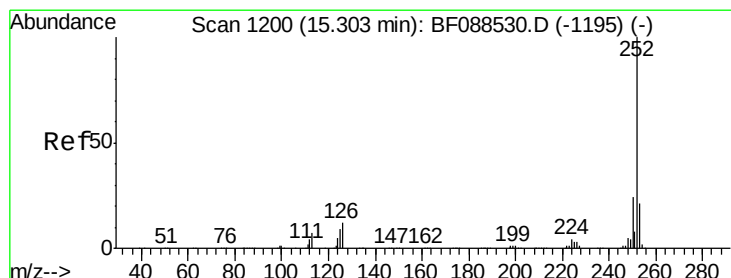
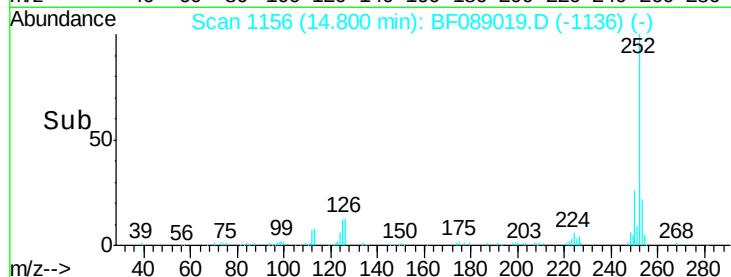
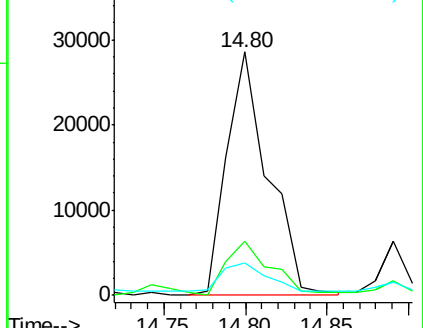
125 13.2 11.2 16.8



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



#89

Benzo(a)pyrene

Concen: 6.13 ng

RT: 15.11 min Scan# 1183

Delta R.T. -0.06 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

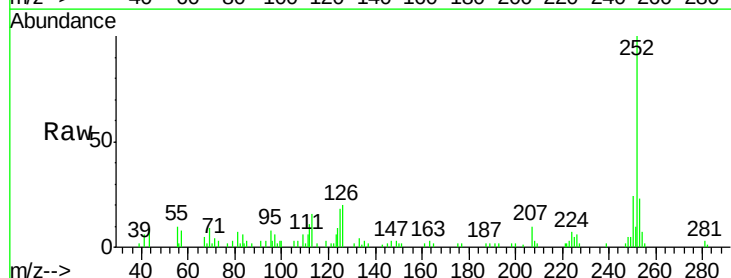
Tgt Ion:252 Resp: 25930

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

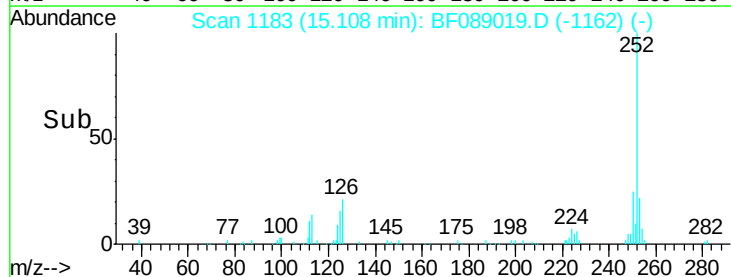
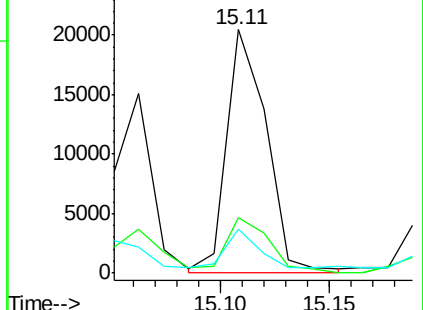
125 18.1 12.5 18.7

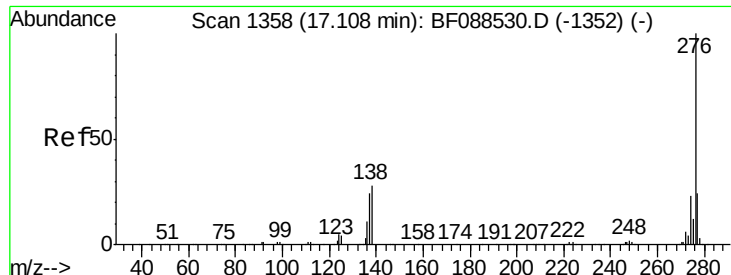


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 3.53 ng

RT: 16.81 min Scan# 1332

Delta R.T. -0.08 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB08(0-2in)

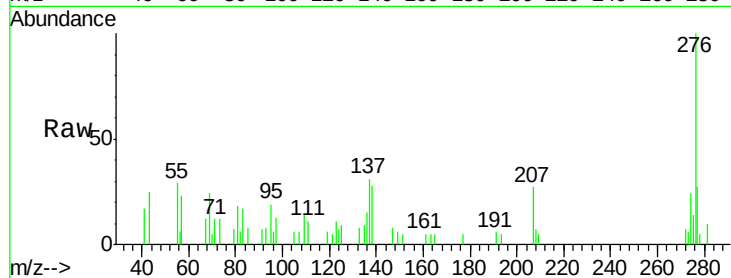
Tgt Ion: 276 Resp: 12897

Ion Ratio Lower Upper

276 100

277 27.1 18.9 28.3

138 28.1 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

