

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071516\
 Data File : BF089030.D
 Acq On : 15 Jul 2016 22:02
 Operator : UM/SJ
 Sample : H3951-11 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB04(0-2ft)

Quant Time: Jul 15 23:01:05 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

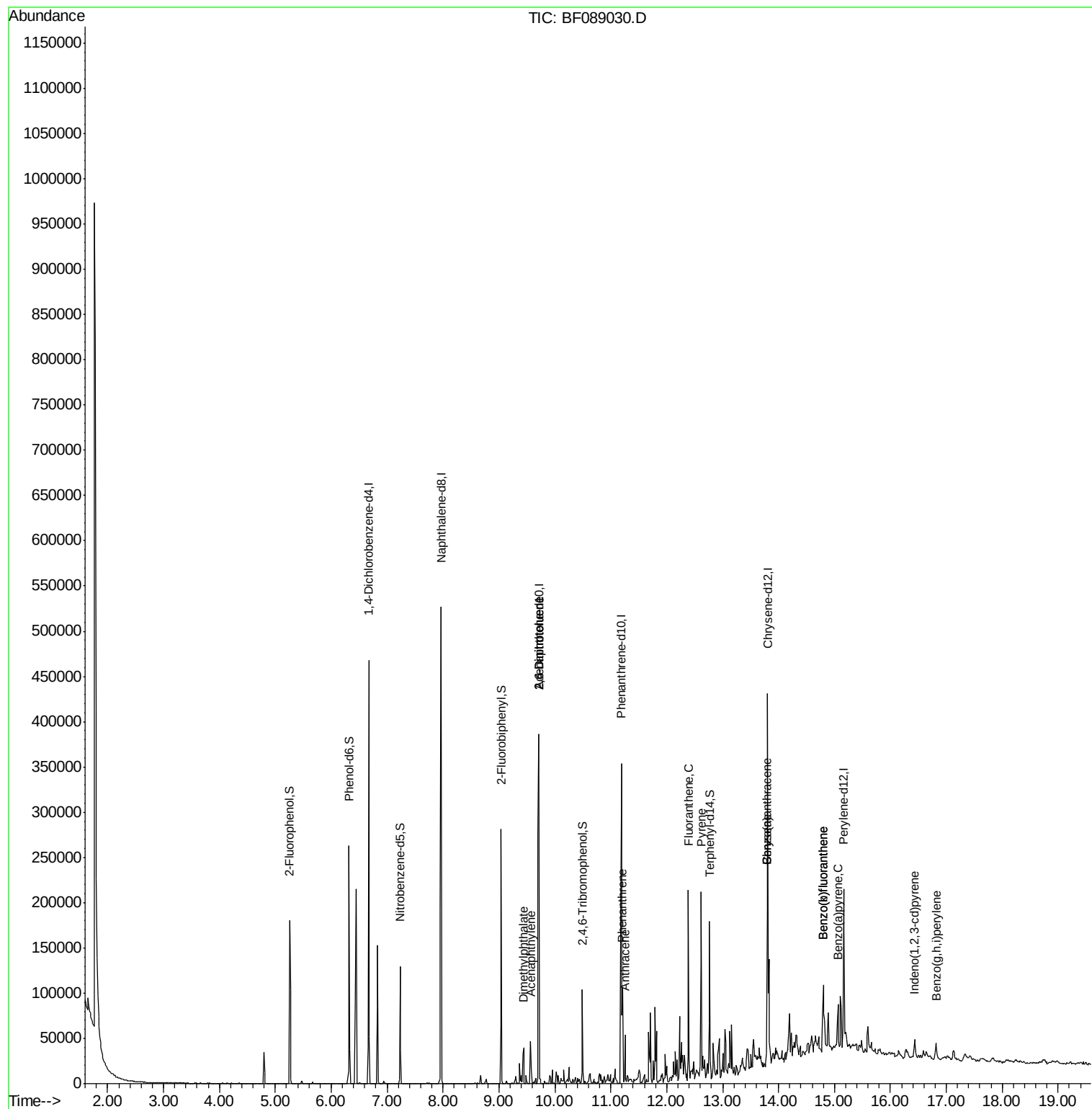
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	62841	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	250978	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	95010	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	153566	20.00	ng	-0.03
75) Chrysene-d12	13.81	240	106069	20.00	ng	-0.05
86) Perylene-d12	15.17	264	80195	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	58212	13.88	ng	-0.03
7) Phenol-d6	6.32	99	78855	14.55	ng	-0.03
23) Nitrobenzene-d5	7.23	82	42648	8.90	ng	-0.05
41) 2,4,6-Tribromophenol	10.49	330	9214	10.44	ng	-0.05
44) 2-Fluorobiphenyl	9.04	172	86936	14.45	ng	-0.03
78) Terphenyl-d14	12.77	244	47057	9.88	ng	-0.03
Target Compounds						Qvalue
48) Acenaphthylene	9.56	152	20139	2.05	ng	99
49) Dimethylphthalate	9.44	163	19643	2.90	ng	# 98
50) 2,6-Dinitrotoluene	9.71	165	12304	8.20	ng	# 37
56) 2,4-Dinitrotoluene	9.71	165	12304	6.27	ng	# 36
70) Phenanthrene	11.21	178	52538	6.26	ng	98
71) Anthracene	11.26	178	20764	2.49	ng	98
74) Fluoranthene	12.39	202	73048	8.58	ng	97
77) Pyrene	12.62	202	100768	11.20	ng	97
80) Benzo(a)anthracene	13.79	228	48095	7.04	ng	# 88
82) Chrysene	13.79	228	48095	7.12	ng	93
85) Indeno(1,2,3-cd)pyrene	16.43	276	12861	2.47	ng	# 100
87) Benzo(b)fluoranthene	14.80	252	44436	8.83	ng	# 93
88) Benzo(k)fluoranthene	14.80	252	44436	10.15	ng	98
89) Benzo(a)pyrene	15.06	252	22178	5.21	ng	98
91) Benzo(g,h,i)perylene	16.82	276	14023	3.81	ng	95

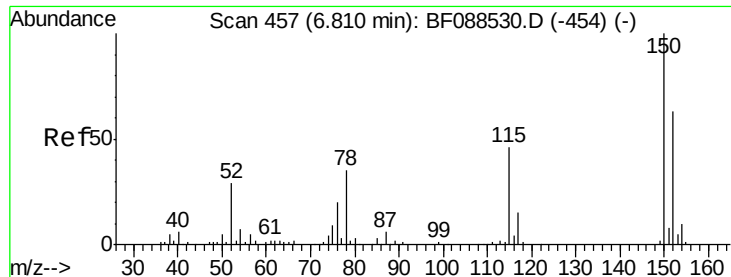
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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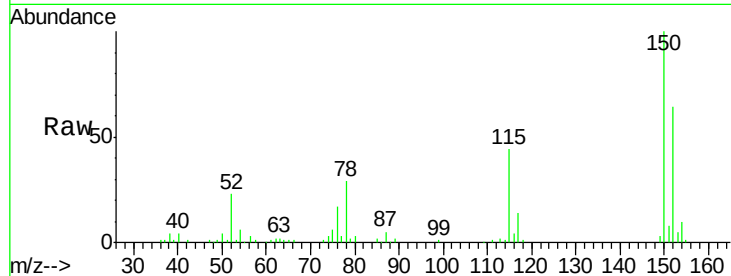




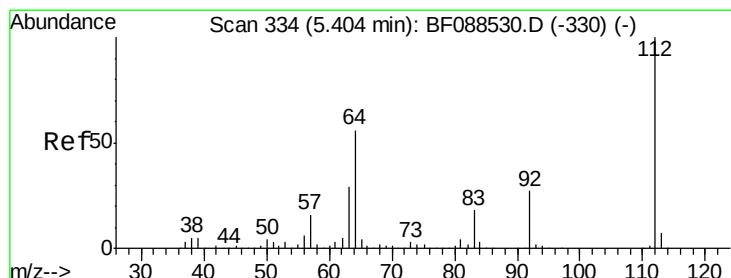
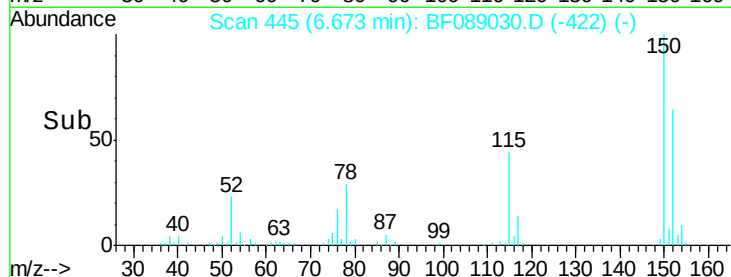
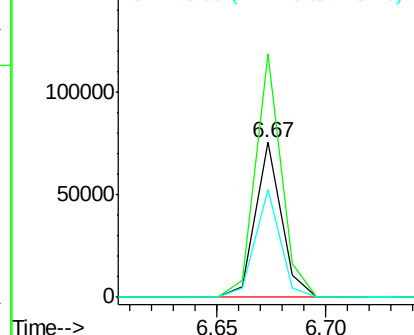
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.67 min Scan# 445
 Delta R.T. -0.03 min
 Lab File: BF089030.D
 Acq: 15 Jul 2016 22:02

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB04(0-2ft)

Tgt Ion:152 Resp: 62841
 Ion Ratio Lower Upper
 152 100
 150 157.2 123.8 185.6
 115 69.9 39.6 59.4#

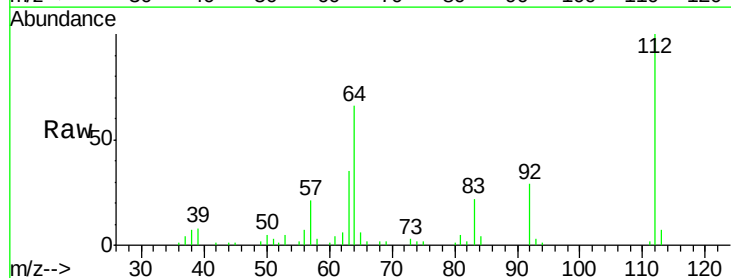


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

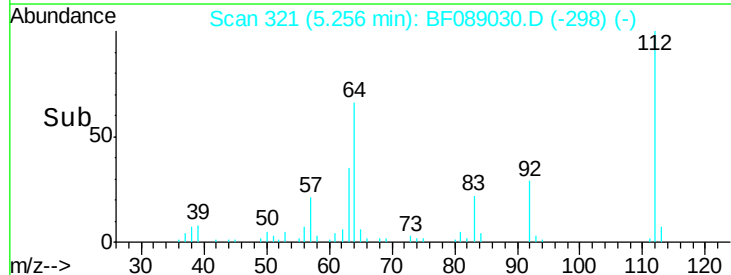
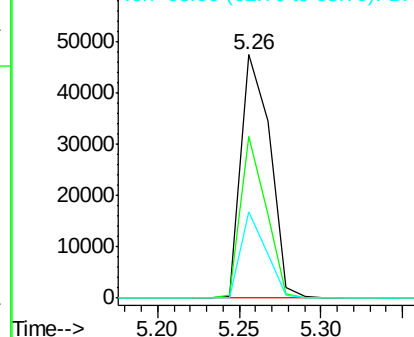


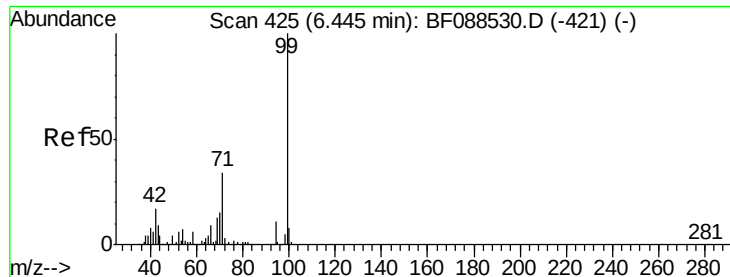
#5
 2-Fluorophenol
 Concen: 13.88 ng
 RT: 5.26 min Scan# 321
 Delta R.T. -0.03 min
 Lab File: BF089030.D
 Acq: 15 Jul 2016 22:02

Tgt Ion:112 Resp: 58212
 Ion Ratio Lower Upper
 112 100
 64 66.4 42.2 63.2#
 63 35.3 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: 14.55 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.03 min

Lab File: BF089030.D

Acq: 15 Jul 2016 22:02

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2ft)

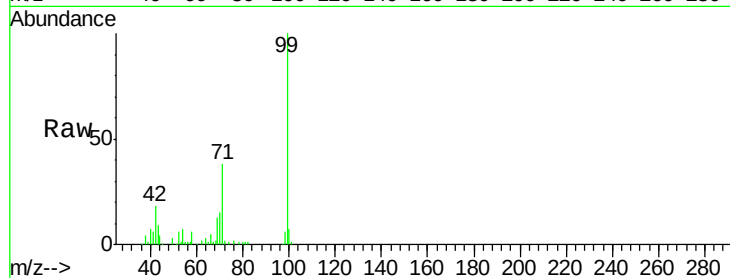
Tgt Ion: 99 Resp: 78855

Ion Ratio Lower Upper

99 100

42 17.6 12.2 18.2

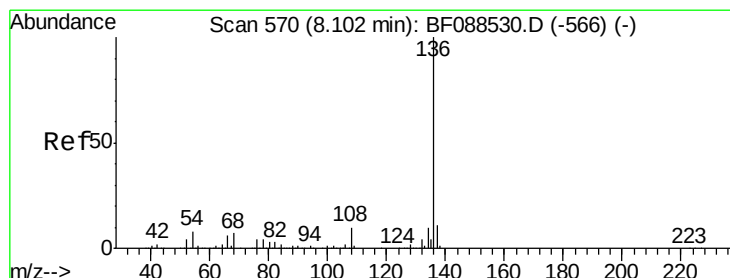
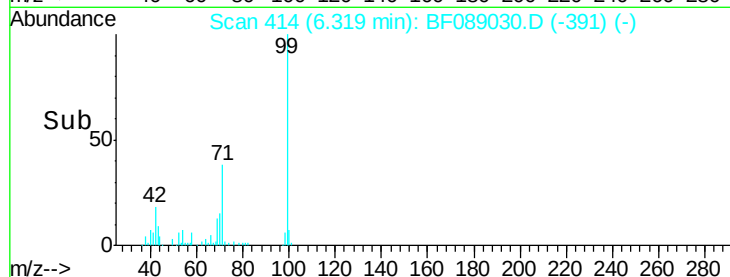
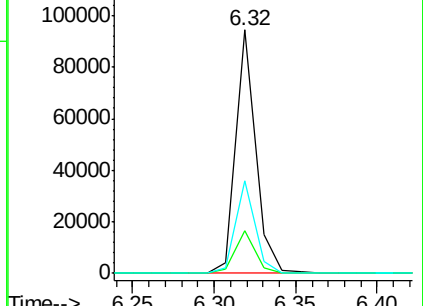
71 38.2 23.4 35.0#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. -0.03 min

Lab File: BF089030.D

Acq: 15 Jul 2016 22:02

Tgt Ion: 136 Resp: 250978

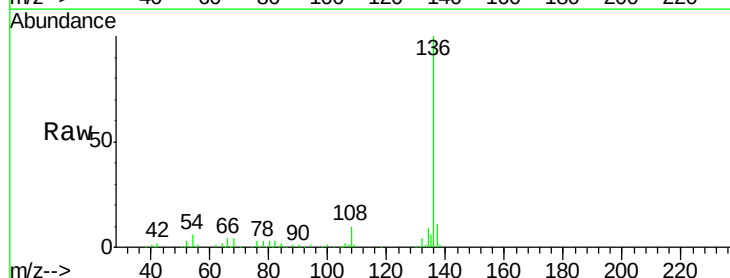
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 5.5 6.6 10.0#

68 4.5 5.1 7.7#

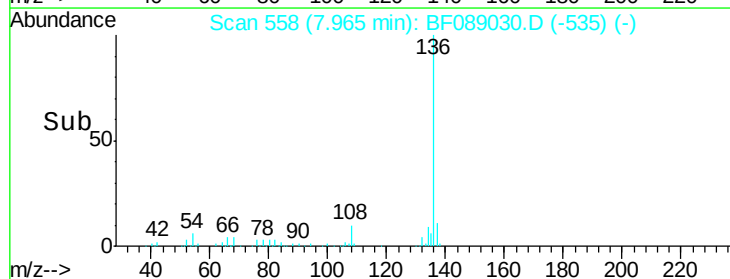
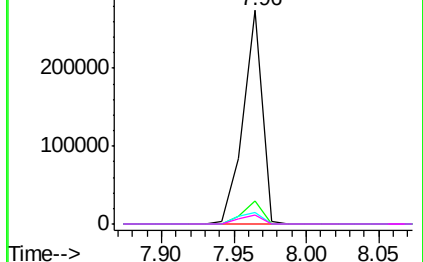


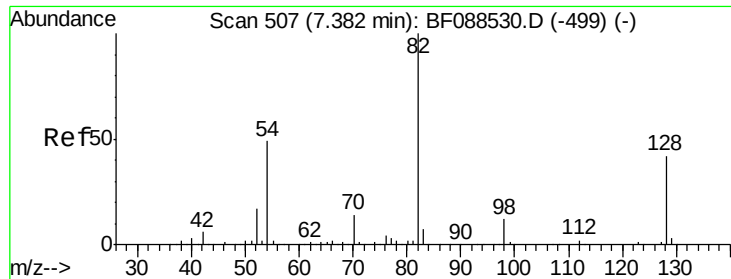
Abundance Ion 136.00 (135.70 to 136.70): E

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

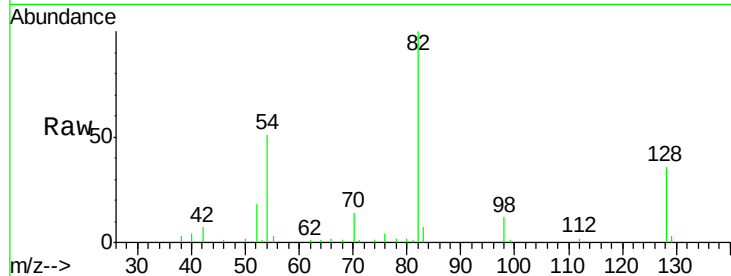




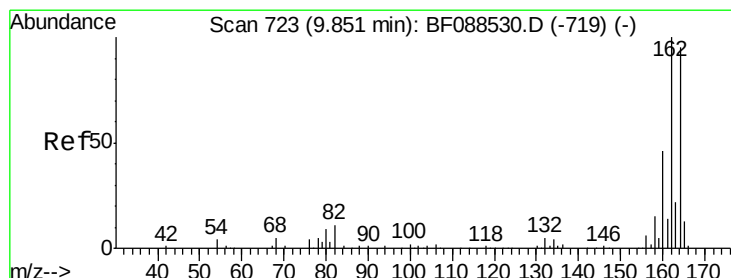
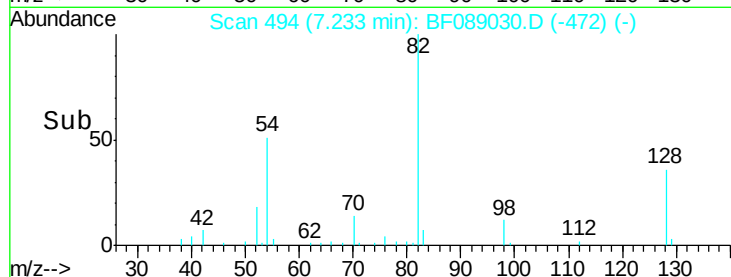
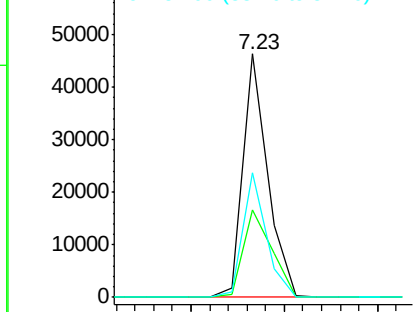
#23
 Nitrobenzene-d5
 Concen: 8.90 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.05 min
 Lab File: BF089030.D
 Acq: 15 Jul 2016 22:02

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB04(0-2ft)

Tgt Ion: 82 Resp: 42648
 Ion Ratio Lower Upper
 82 100
 128 35.8 35.9 53.9#
 54 51.1 40.9 61.3

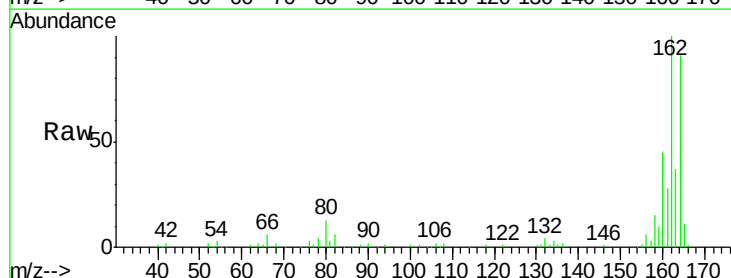


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

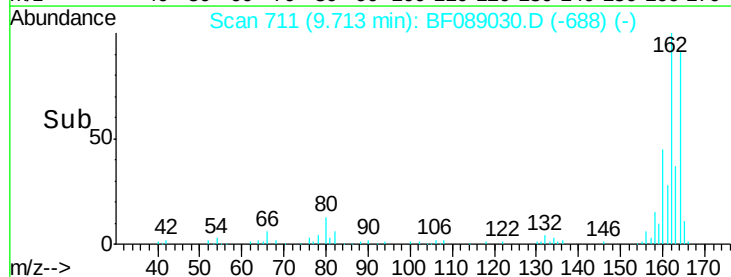
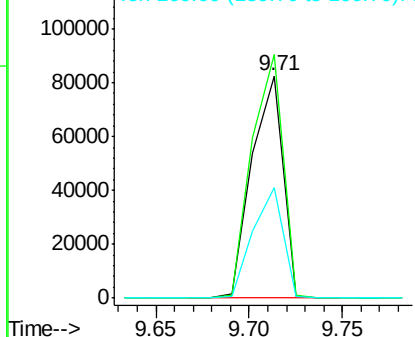


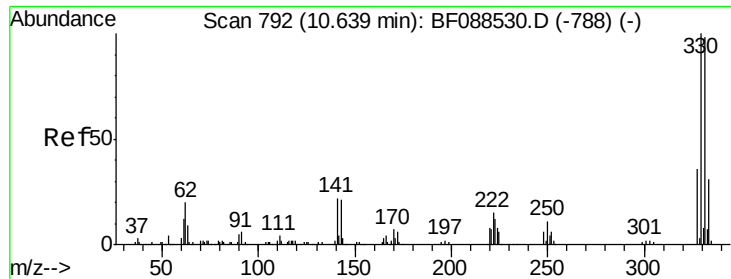
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.03 min
 Lab File: BF089030.D
 Acq: 15 Jul 2016 22:02

Tgt Ion: 164 Resp: 95010
 Ion Ratio Lower Upper
 164 100
 162 109.6 85.4 128.2
 160 49.6 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: 10.44 ng

RT: 10.49 min Scan# 779

Delta R.T. -0.05 min

Lab File: BF089030.D

Acq: 15 Jul 2016 22:02

Instrument :

BNA_F

ClientSampleId :

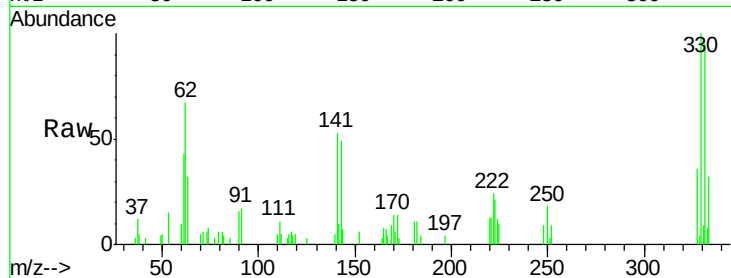
LSS-SB-SB04(0-2ft)

Tgt Ion:330 Resp: 9214
Ion Ratio Lower Upper

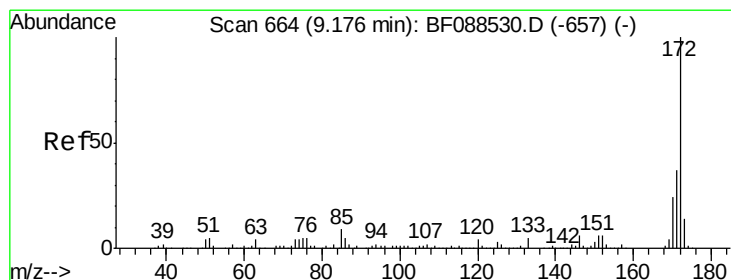
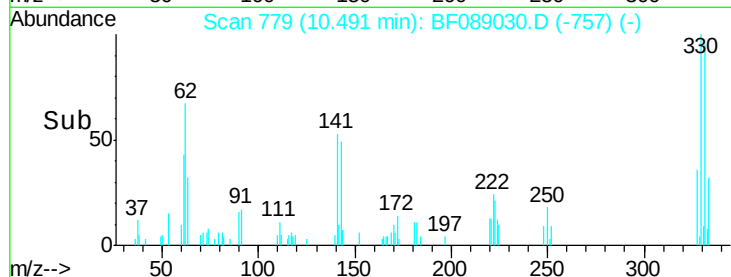
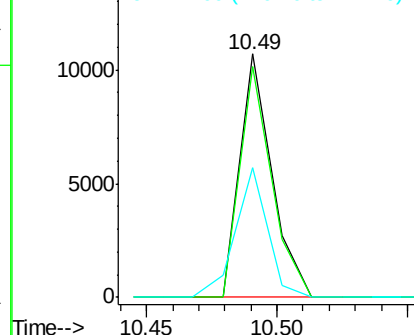
330 100

332 94.4 0.0 0.0#

141 53.4 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: 14.45 ng

RT: 9.04 min Scan# 652

Delta R.T. -0.03 min

Lab File: BF089030.D

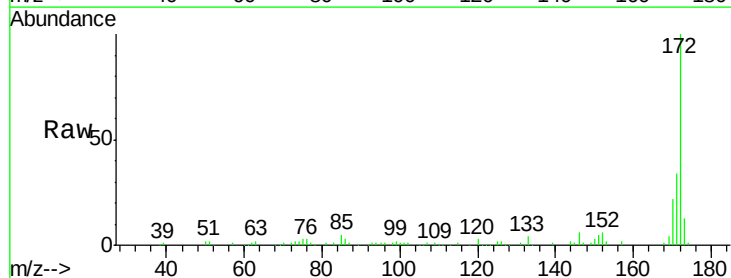
Acq: 15 Jul 2016 22:02

Tgt Ion:172 Resp: 86936
Ion Ratio Lower Upper

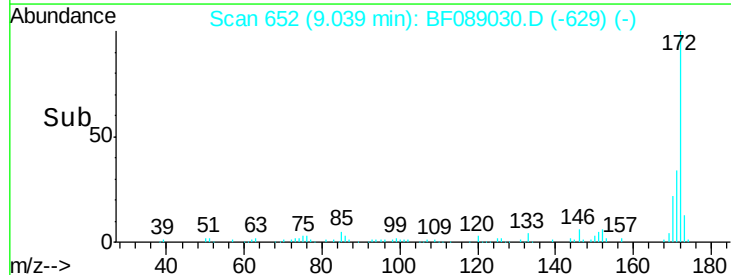
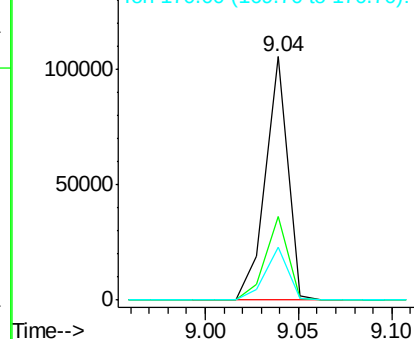
172 100

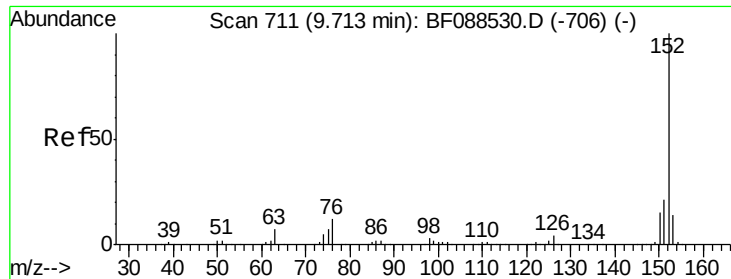
171 34.1 28.6 43.0

170 22.0 19.2 28.8



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





#48

Acenaphthylene

Concen: 2.05 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.05 min

Lab File: BF089030.D

Acq: 15 Jul 2016 22:02

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2ft)

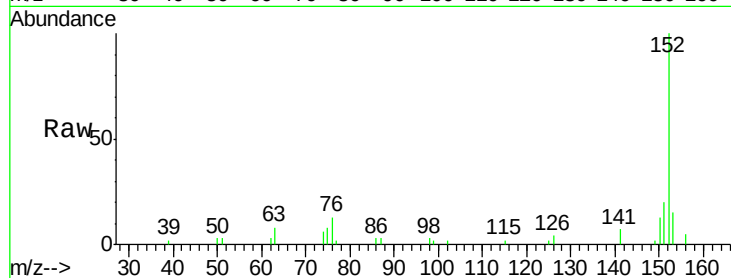
Tgt Ion:152 Resp: 20139

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.4

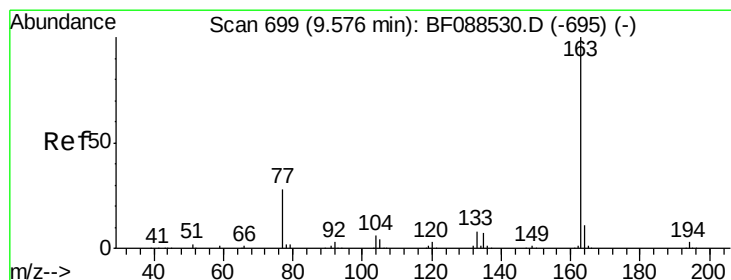
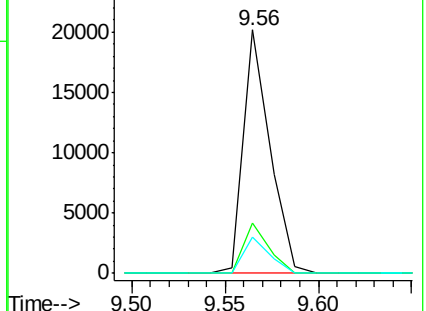
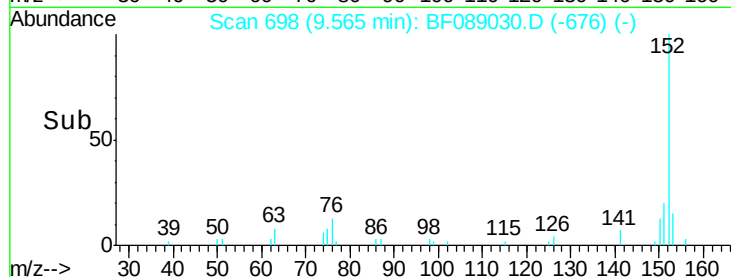
153 14.9 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 2.90 ng

RT: 9.44 min Scan# 687

Delta R.T. -0.05 min

Lab File: BF089030.D

Acq: 15 Jul 2016 22:02

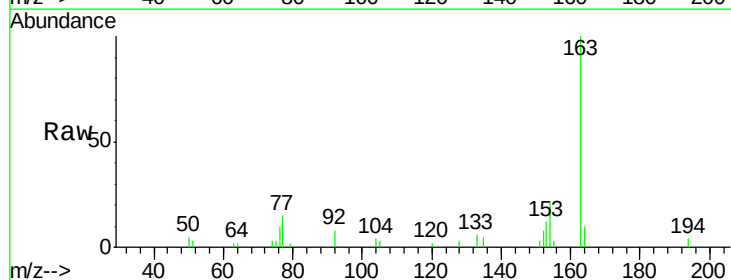
Tgt Ion:163 Resp: 19643

Ion Ratio Lower Upper

163 100

194 4.3 2.8 4.2#

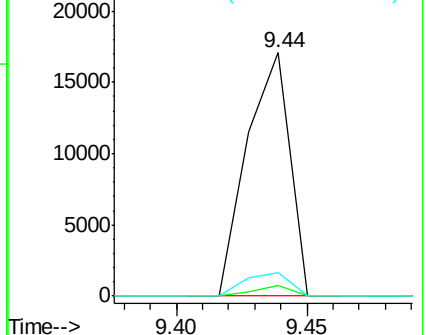
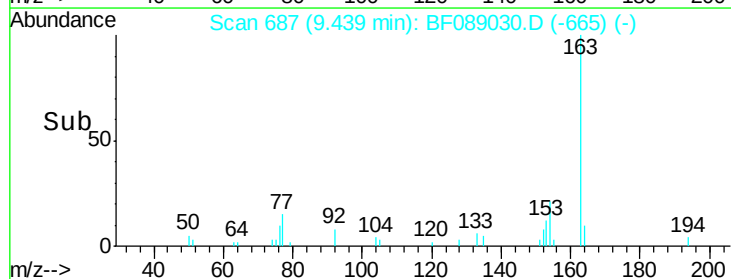
164 9.8 8.3 12.5

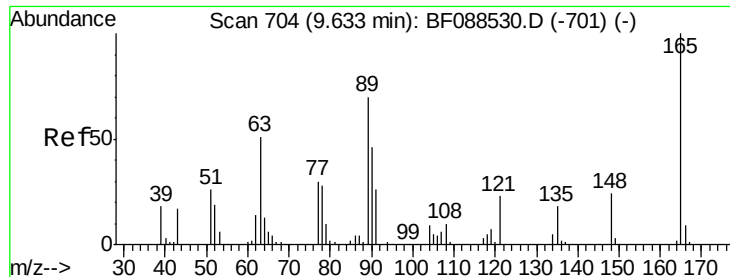


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

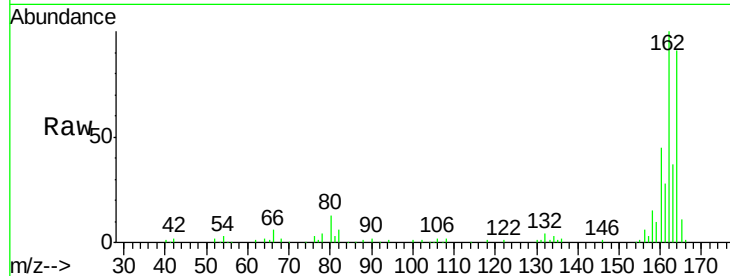




#50
 2,6-Dinitrotoluene
 Concen: 8.20 ng
 RT: 9.71 min Scan# 711
 Delta R.T. 0.17 min
 Lab File: BF089030.D
 Acq: 15 Jul 2016 22:02

Instrument :
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 LSS-SB-SB04(0-2ft)

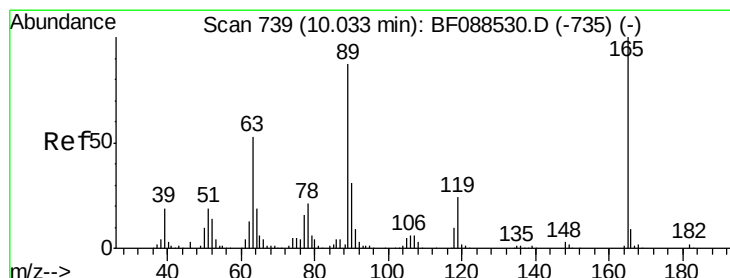
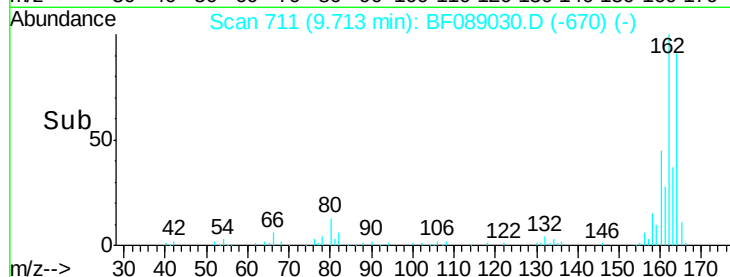
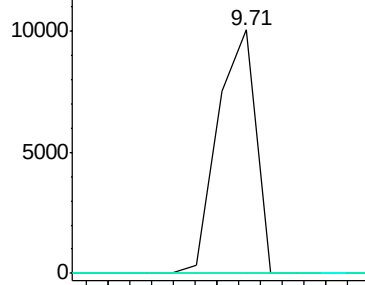
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#



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: 6.27 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.23 min
 Lab File: BF089030.D
 Acq: 15 Jul 2016 22:02

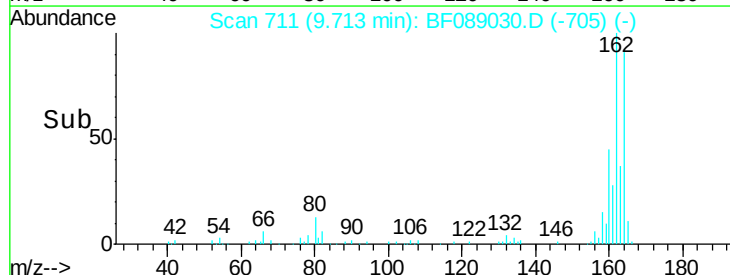
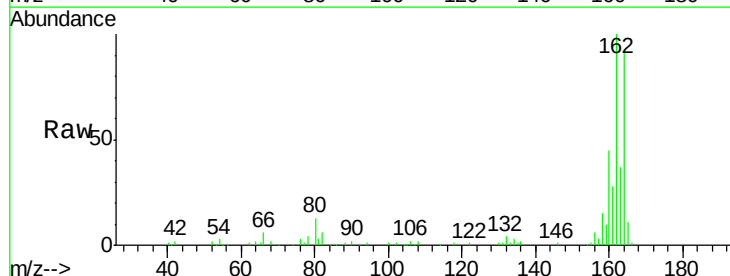
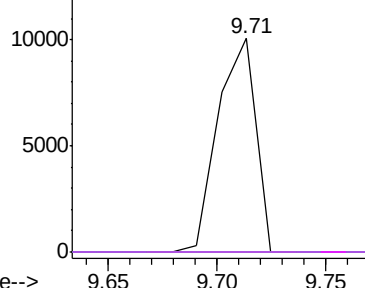
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

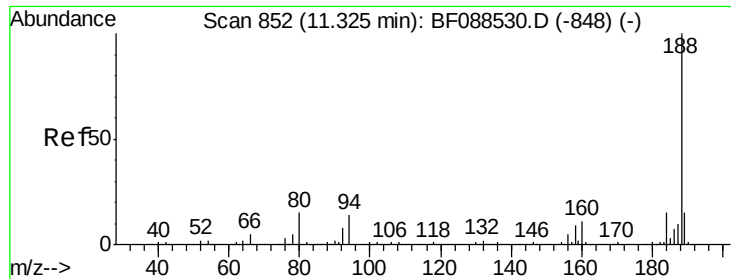
Abundance Ion 165.00 (164.70 to 165.70): E

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

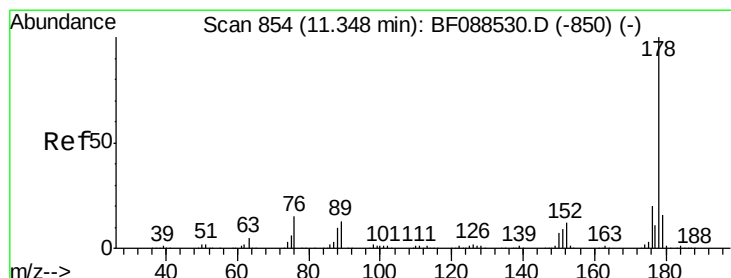
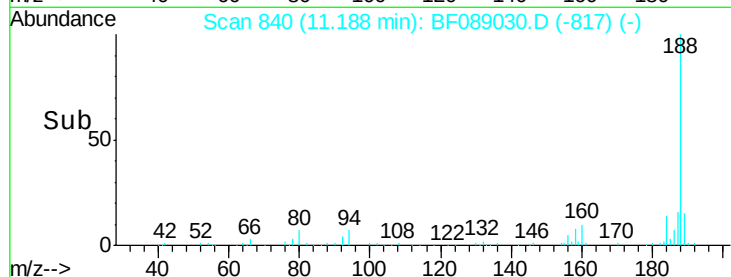
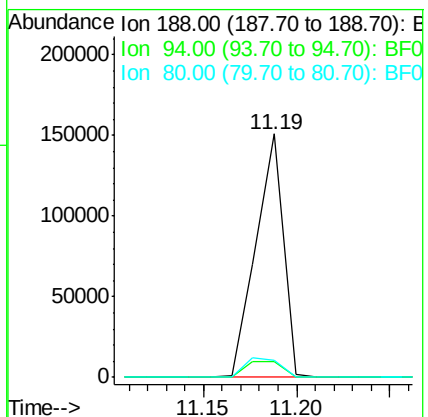
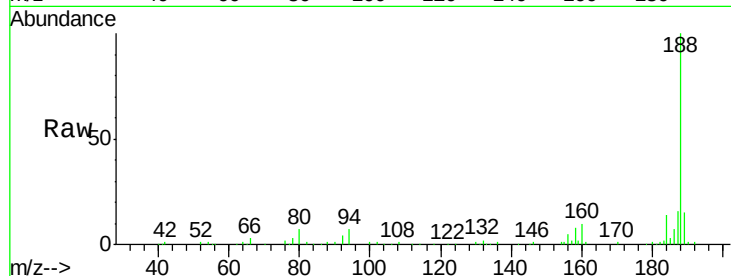




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.03 min
Lab File: BF089030.D
Acq: 15 Jul 2016 22:02

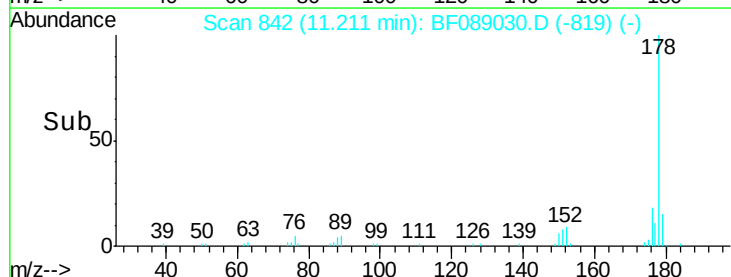
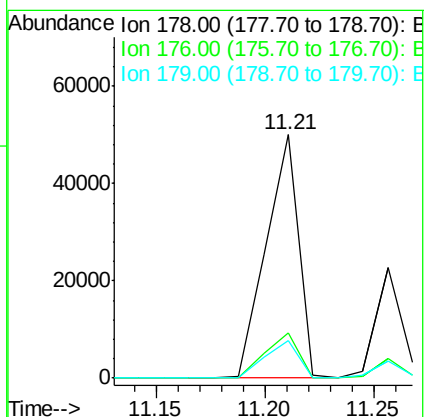
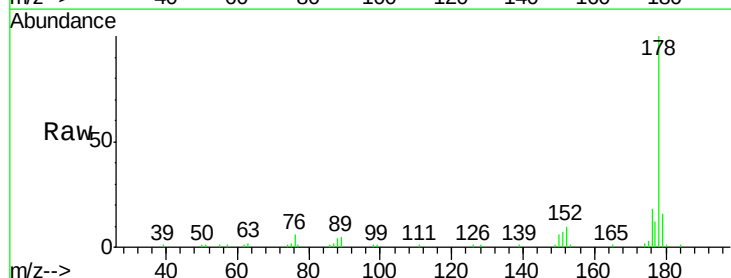
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB04(0-2ft)

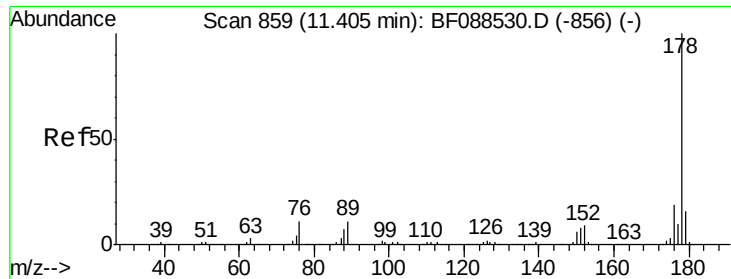
Tgt Ion:188 Resp: 153566
Ion Ratio Lower Upper
188 100
94 6.5 9.0 13.6#
80 7.2 10.0 15.0#



#70
Phenanthrene
Concen: 6.26 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.03 min
Lab File: BF089030.D
Acq: 15 Jul 2016 22:02

Tgt Ion:178 Resp: 52538
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.6
179 15.5 13.0 19.4

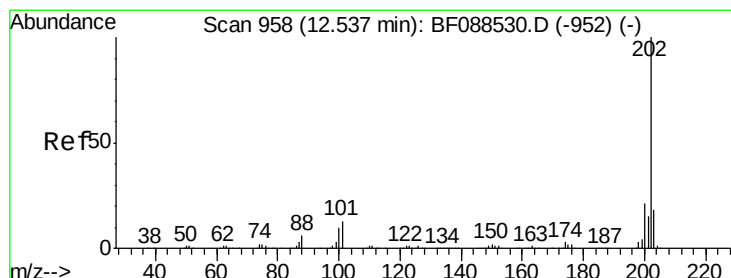
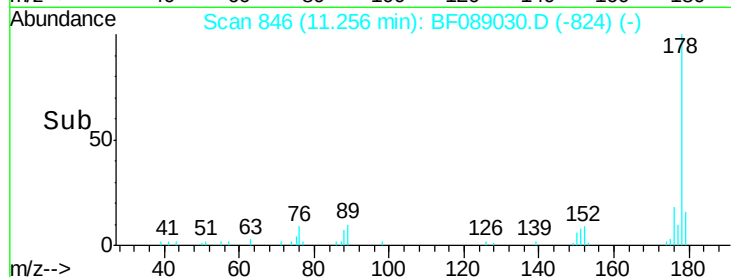
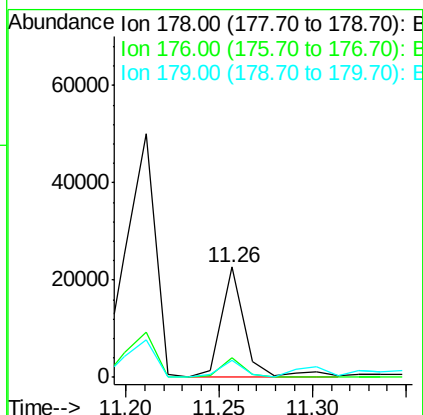
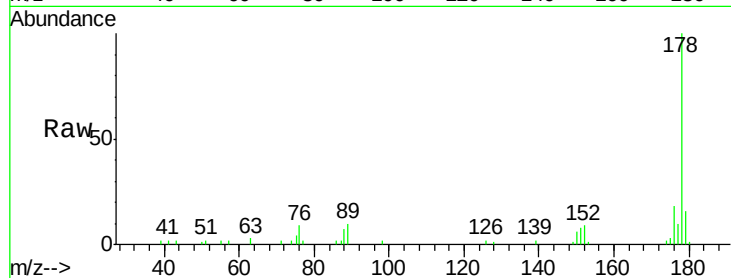




#71
 Anthracene
 Concen: 2.49 ng
 RT: 11.26 min Scan# 846
 Delta R.T. -0.05 min
 Lab File: BF089030.D
 Acq: 15 Jul 2016 22:02

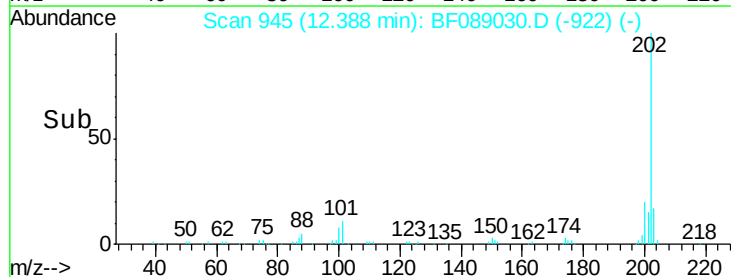
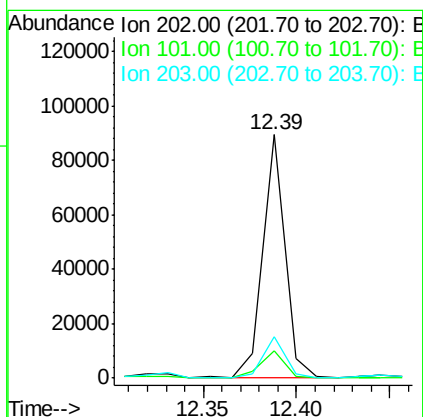
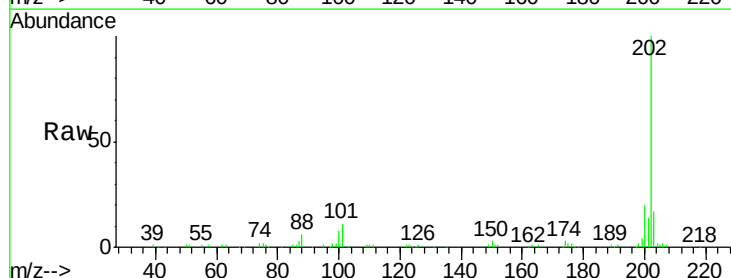
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB04(0-2ft)

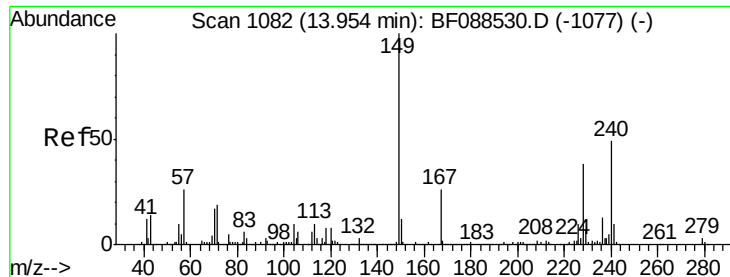
Tgt Ion:178 Resp: 20764
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.6 23.4
 179 15.7 12.8 19.2



#74
 Fluoranthene
 Concen: 8.58 ng
 RT: 12.39 min Scan# 945
 Delta R.T. -0.03 min
 Lab File: BF089030.D
 Acq: 15 Jul 2016 22:02

Tgt Ion:202 Resp: 73048
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 33.1
 203 17.0 0.0 38.1

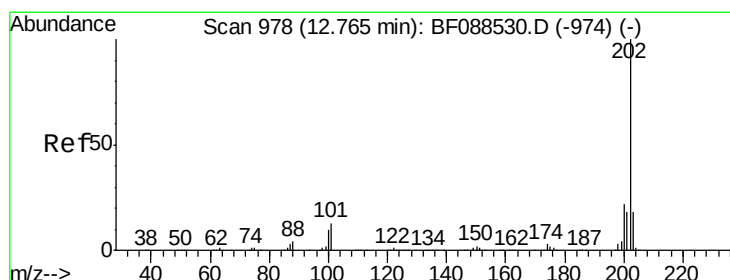
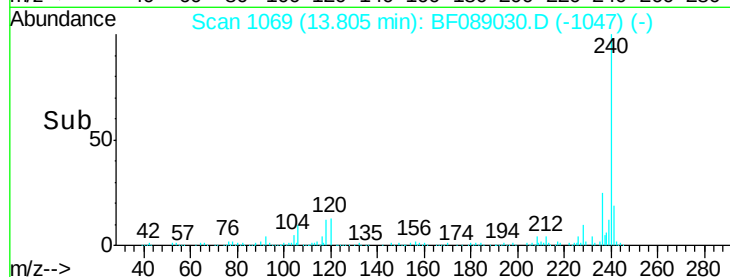
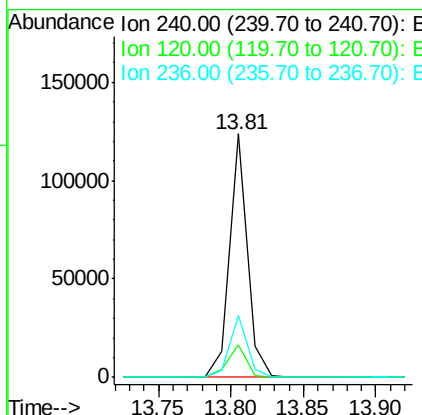
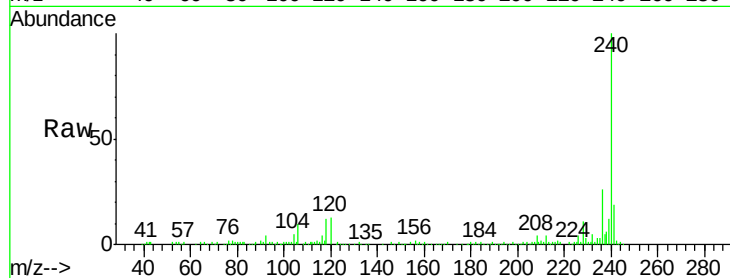




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.81 min Scan# 1069
Delta R.T. -0.05 min
Lab File: BF089030.D
Acq: 15 Jul 2016 22:02

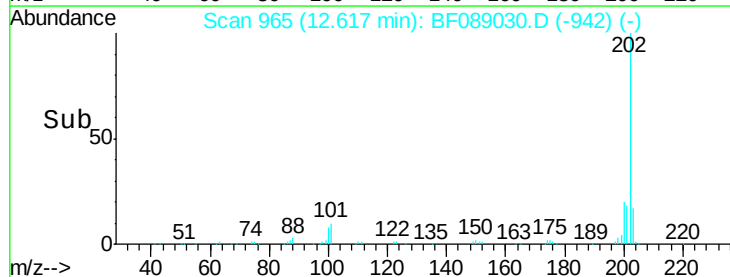
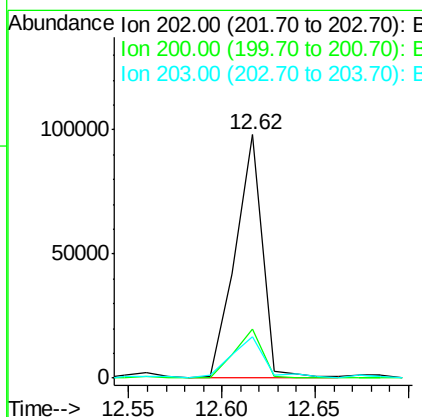
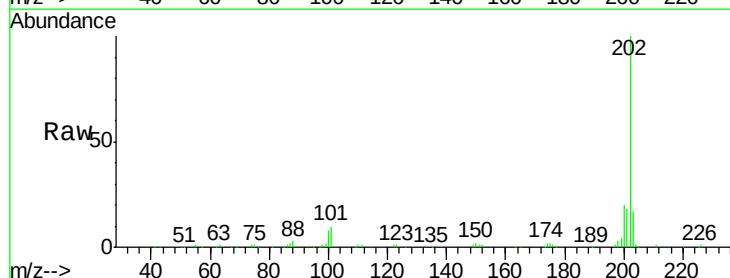
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB04(0-2ft)

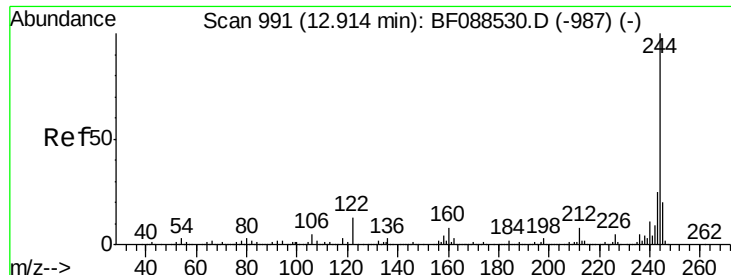
Tgt Ion:240 Resp: 106069
Ion Ratio Lower Upper
240 100
120 13.3 6.8 10.2#
236 25.5 20.2 30.2



#77
Pyrene
Concen: 11.20 ng
RT: 12.62 min Scan# 965
Delta R.T. -0.03 min
Lab File: BF089030.D
Acq: 15 Jul 2016 22:02

Tgt Ion:202 Resp: 100768
Ion Ratio Lower Upper
202 100
200 20.3 17.4 26.2
203 17.0 14.5 21.7





#78

Terphenyl-d14

Concen: 9.88 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.03 min

Lab File: BF089030.D

Acq: 15 Jul 2016 22:02

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2ft)

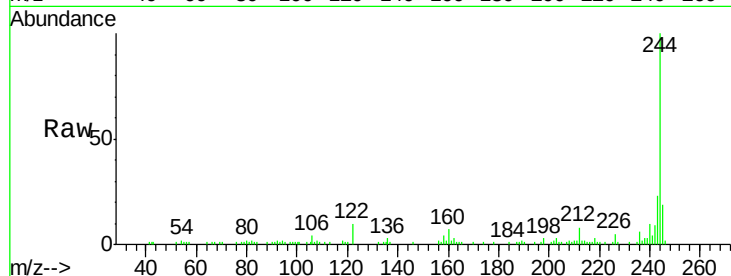
Tgt Ion:244 Resp: 47057

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

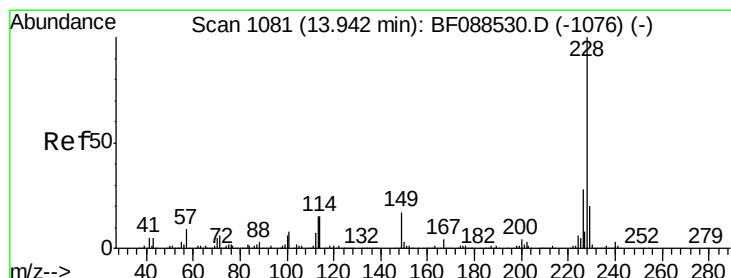
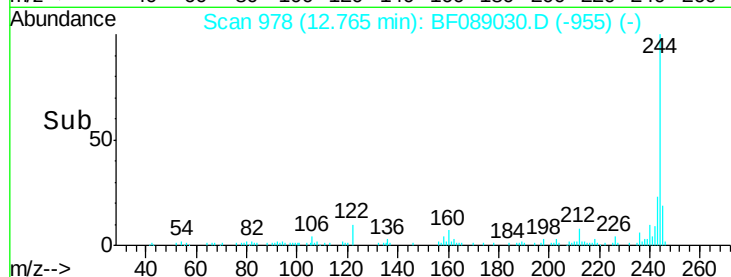
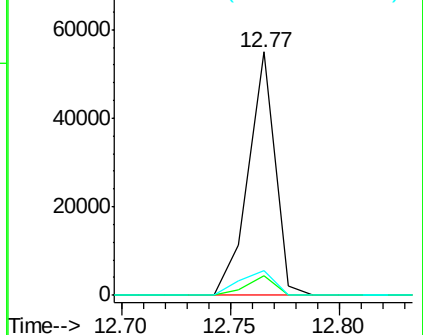
122 10.2 11.2 16.8#



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



#80

Benzo(a)anthracene

Concen: 7.04 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.05 min

Lab File: BF089030.D

Acq: 15 Jul 2016 22:02

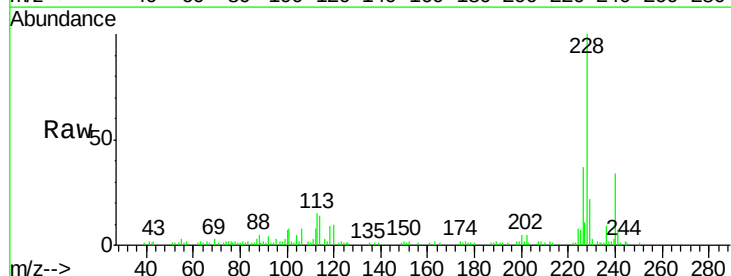
Tgt Ion:228 Resp: 48095

Ion Ratio Lower Upper

228 100

226 36.7 22.3 33.5#

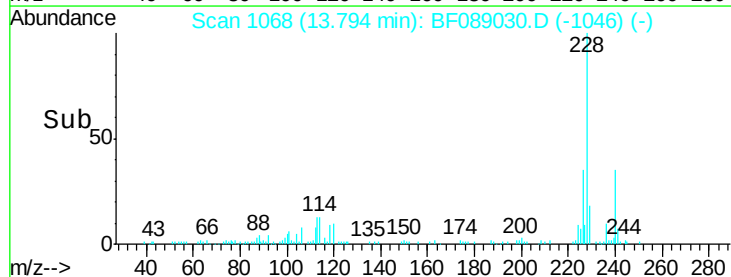
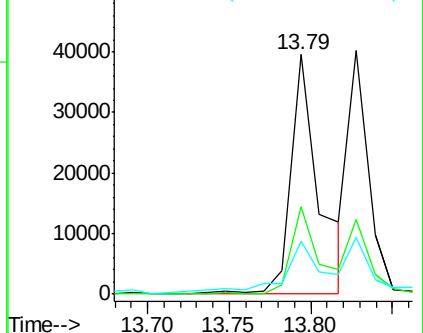
229 22.0 16.0 24.0

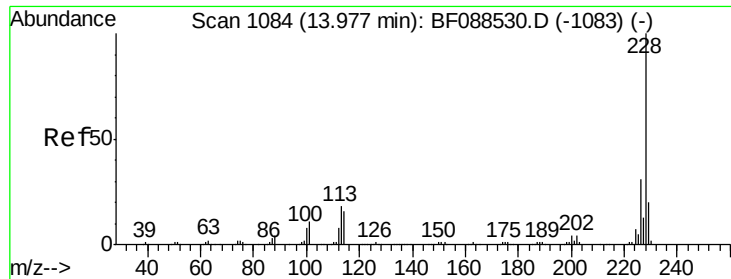


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.12 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.08 min

Lab File: BF089030.D

Acq: 15 Jul 2016 22:02

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2ft)

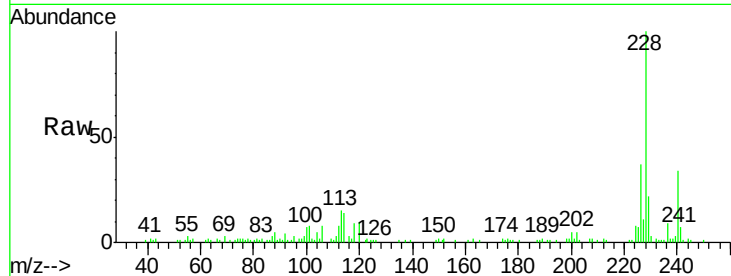
Tgt Ion:228 Resp: 48095

Ion Ratio Lower Upper

228 100

226 36.7 25.4 38.2

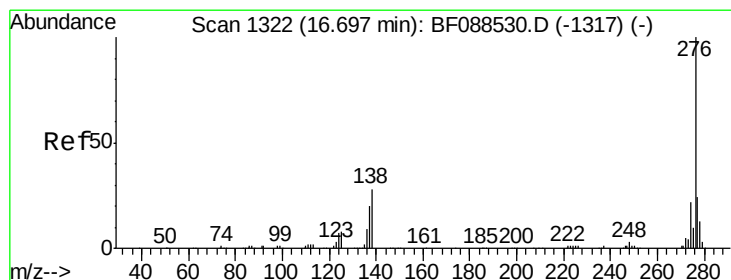
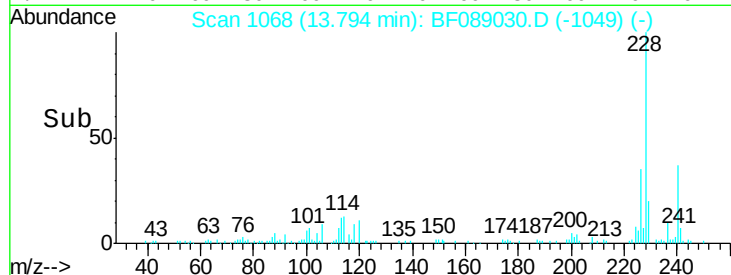
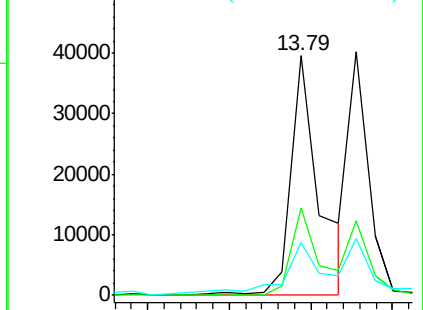
229 22.0 16.3 24.5



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: 2.47 ng

RT: 16.43 min Scan# 1299

Delta R.T. -0.07 min

Lab File: BF089030.D

Acq: 15 Jul 2016 22:02

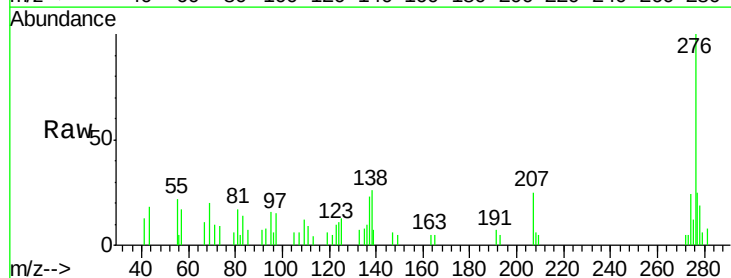
Tgt Ion:276 Resp: 12861

Ion Ratio Lower Upper

276 100

138 29.3 0.0 0.0#

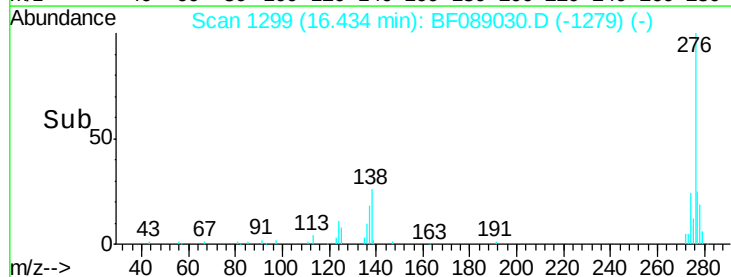
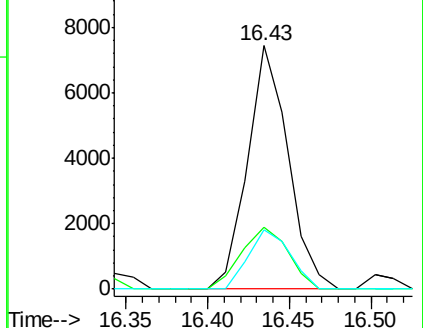
277 25.0 0.0 0.0#

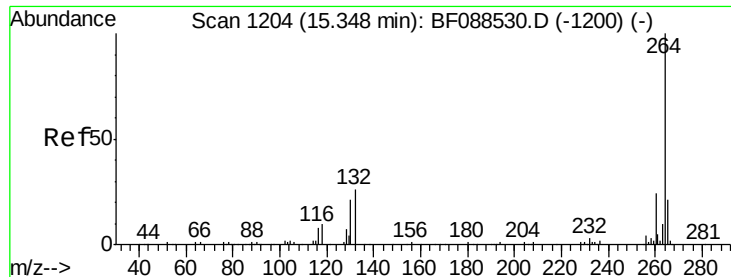


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



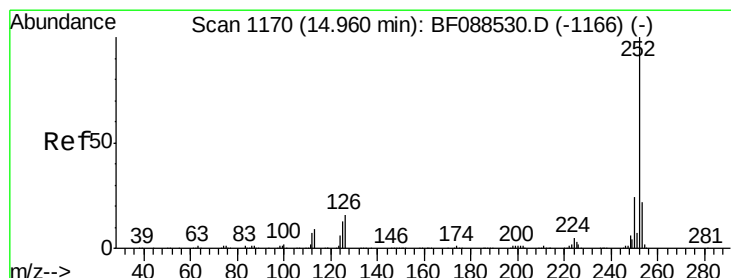
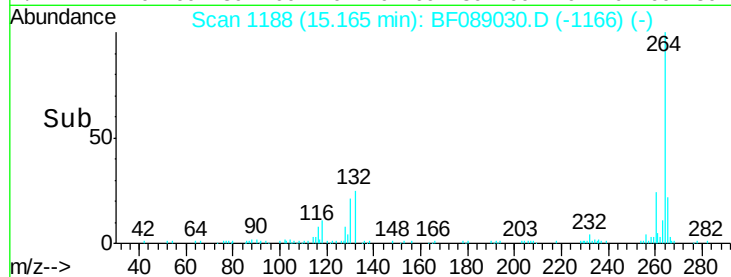
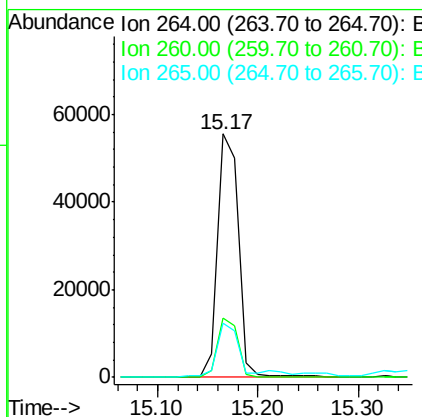
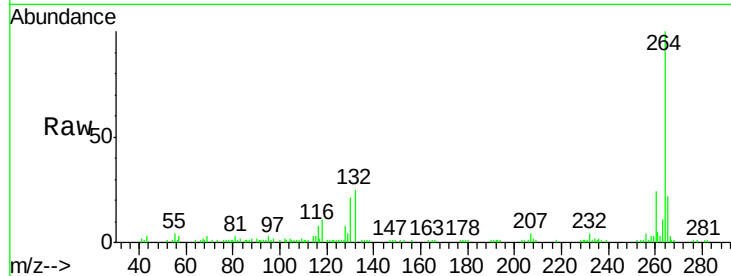


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1188
Delta R.T. -0.05 min
Lab File: BF089030.D
Acq: 15 Jul 2016 22:02

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB04(0-2ft)

Tgt Ion: 264 Resp: 80195

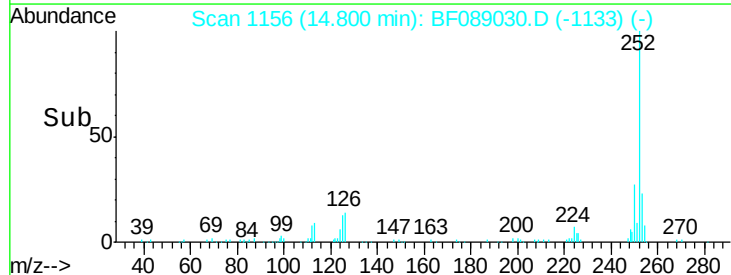
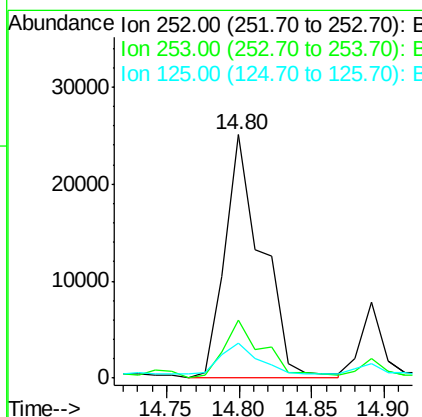
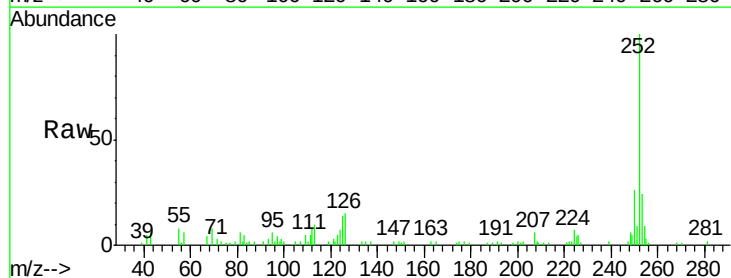
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.2	16.9	25.3

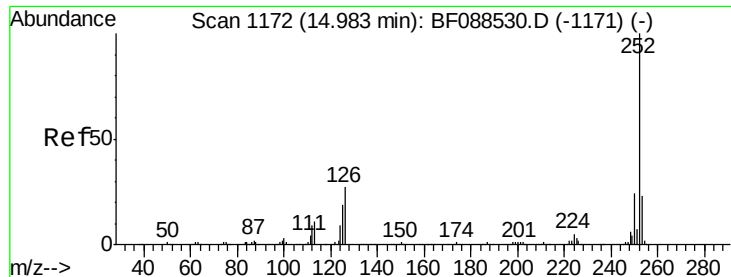


#87
Benzo(b)fluoranthene
Concen: 8.83 ng
RT: 14.80 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF089030.D
Acq: 15 Jul 2016 22:02

Tgt Ion: 252 Resp: 44436

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.2
125	14.1	7.1	10.7#

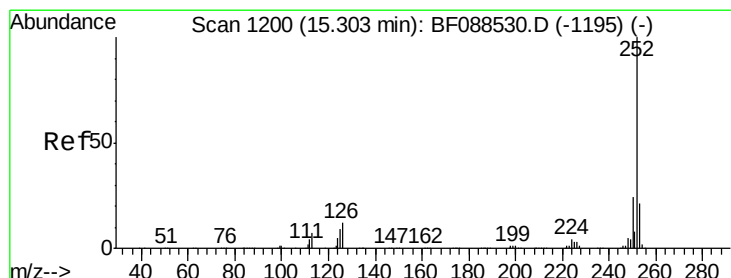
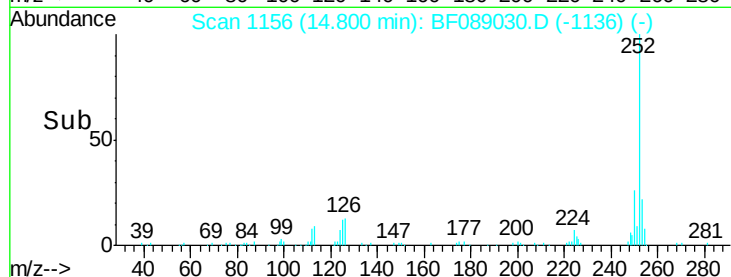
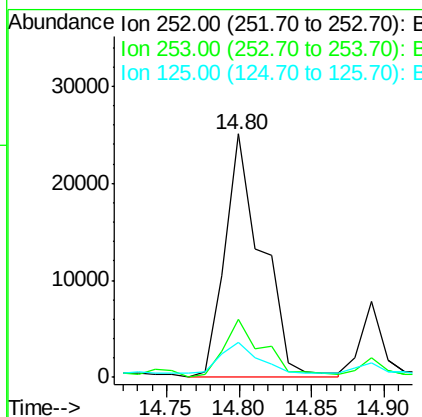
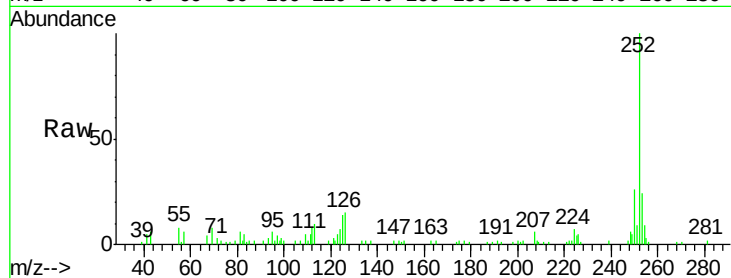




#88
Benzo(k)fluoranthene
Concen: 10.15 ng
RT: 14.80 min Scan# 1156
Delta R.T. -0.07 min
Lab File: BF089030.D
Acq: 15 Jul 2016 22:02

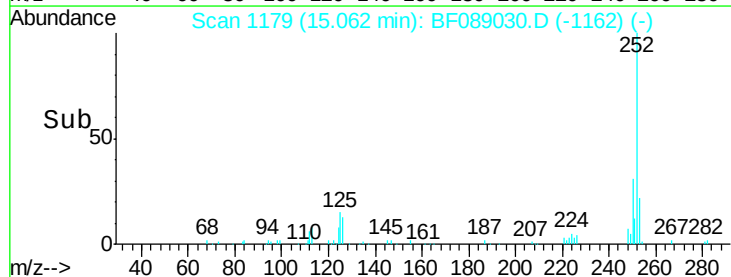
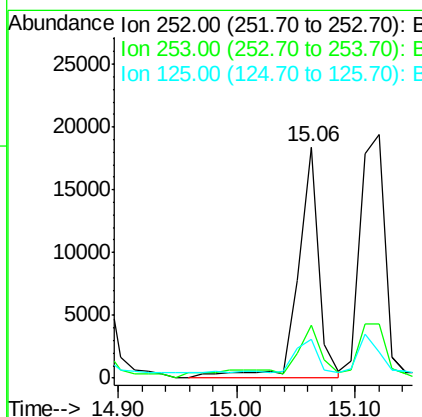
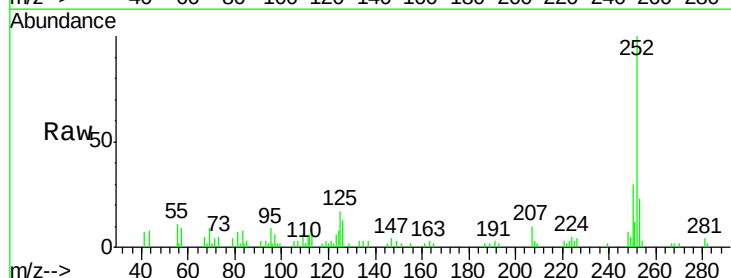
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB04(0-2ft)

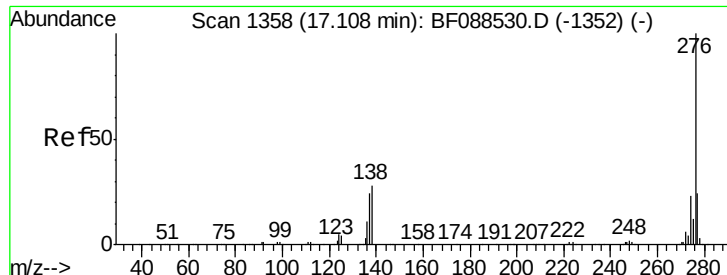
Tgt Ion:252 Resp: 44436
Ion Ratio Lower Upper
252 100
253 23.8 18.0 27.0
125 14.1 11.2 16.8



#89
Benzo(a)pyrene
Concen: 5.21 ng
RT: 15.06 min Scan# 1179
Delta R.T. -0.10 min
Lab File: BF089030.D
Acq: 15 Jul 2016 22:02

Tgt Ion:252 Resp: 22178
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 16.6 12.5 18.7





#91

Benzo(g,h,i)perylene

Concen: 3.81 ng

RT: 16.82 min Scan# 1333

Delta R.T. -0.07 min

Lab File: BF089030.D

Acq: 15 Jul 2016 22:02

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2ft)

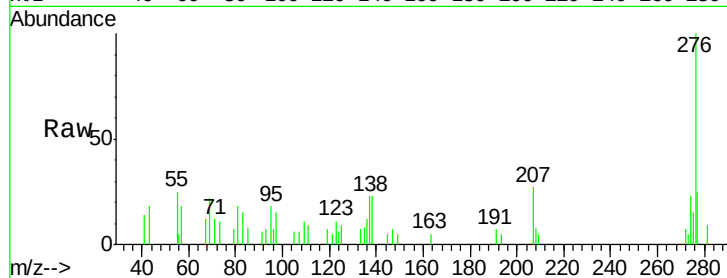
Tgt Ion: 276 Resp: 14023

Ion Ratio Lower Upper

276 100

277 25.0 18.9 28.3

138 22.8 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

