

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071516\
 Data File : BF089028.D
 Acq On : 15 Jul 2016 21:00
 Operator : UM/SJ
 Sample : H3951-07 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB03(0-2in)

Quant Time: Jul 16 01:50:36 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 16 00:31:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	61634	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	244306	20.00	ng	0.00
38) Acenaphthene-d10	9.71	164	92790	20.00	ng	0.00
63) Phenanthrene-d10	11.19	188	142708	20.00	ng	0.00
75) Chrysene-d12	13.81	240	107907	20.00	ng	-0.01
86) Perylene-d12	15.18	264	83261	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	88310	21.47	ng	0.00
7) Phenol-d6	6.32	99	114438	21.54	ng	-0.01
23) Nitrobenzene-d5	7.23	82	64822	13.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	14461	16.78	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	127006	21.62	ng	0.00
78) Terphenyl-d14	12.77	244	69464	14.34	ng	-0.01

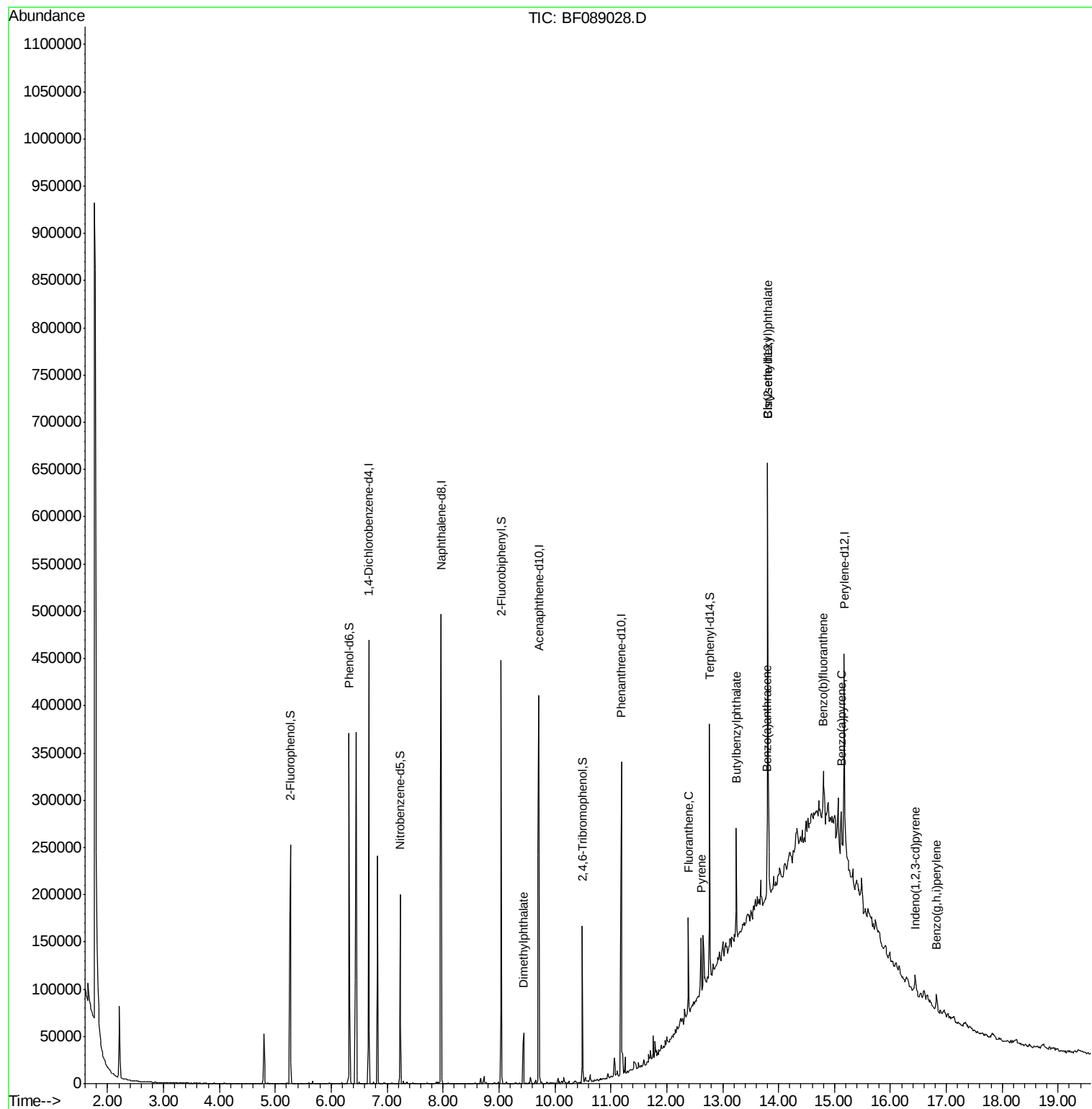
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.44	163	30107	4.55	ng	98
74) Fluoranthene	12.39	202	33071	4.18	ng	96
77) Pyrene	12.62	202	32492	3.55	ng	98
79) Butylbenzylphthalate	13.25	149	25426	6.23	ng	# 85
80) Benzo(a)anthracene	13.79	228	20285	2.92	ng	92
83) Bis(2-ethylhexyl)phthalate	13.81	149	30377	6.52	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.45	276	10869	2.06	ng	# 100
87) Benzo(b)fluoranthene	14.80	252	21937m	4.20	ng	
89) Benzo(a)pyrene	15.12	252	13780	3.12	ng	# 83
91) Benzo(g,h,i)perylene	16.82	276	12120	3.17	ng	98

(#) = 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. 0.00 min

Lab File: BF089028.D

Acq: 15 Jul 2016 21:00

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB03(0-2in)

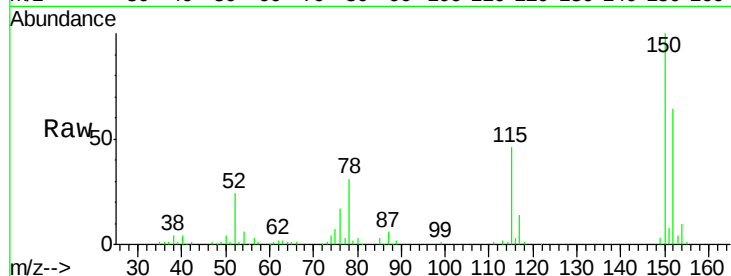
Tot Ion:152 Resp: 61634

Ion Ratio Lower Upper

152 100

150 156.3 123.8 185.6

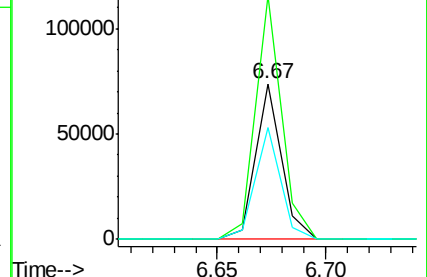
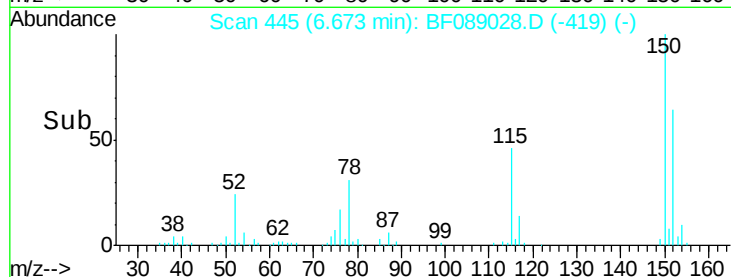
115 72.0 39.6 59.4#



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: 21.47 ng

RT: 5.27 min Scan# 322

Delta R.T. 0.00 min

Lab File: BF089028.D

Acq: 15 Jul 2016 21:00

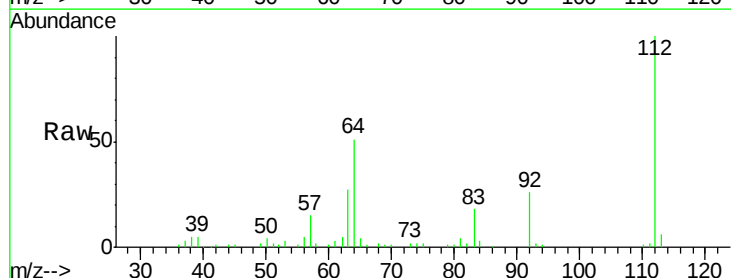
Tgt Ion:112 Resp: 88310

Ion Ratio Lower Upper

112 100

64 51.1 42.2 63.2

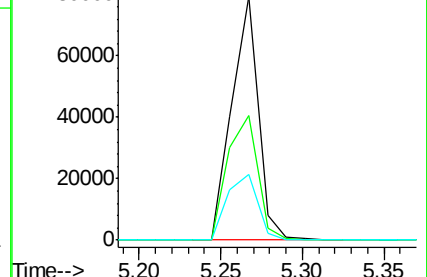
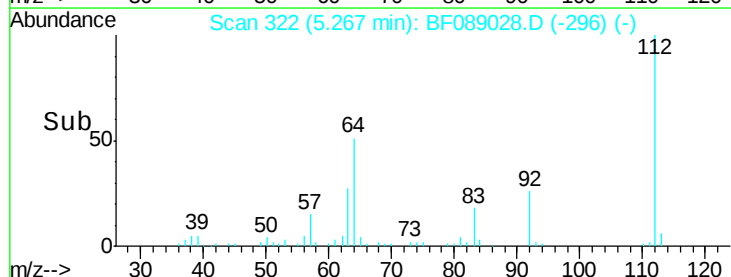
63 27.0 21.8 32.8



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: 21.54 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF089028.D

Acq: 15 Jul 2016 21:00

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB03(0-2in)

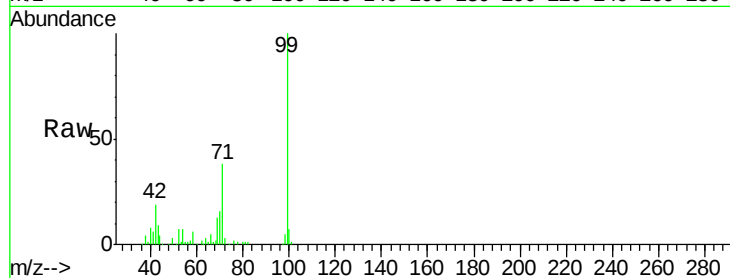
Tot Ion: 99 Resp: 114438

Ion Ratio Lower Upper

99 100

42 19.2 12.2 18.2#

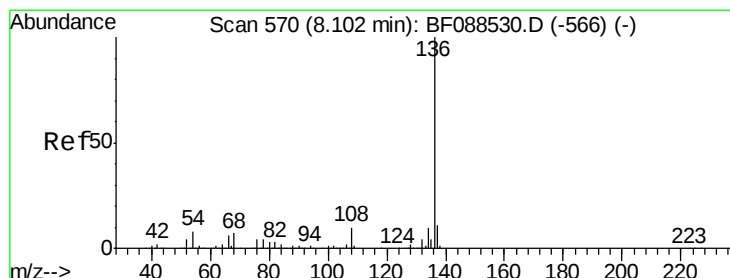
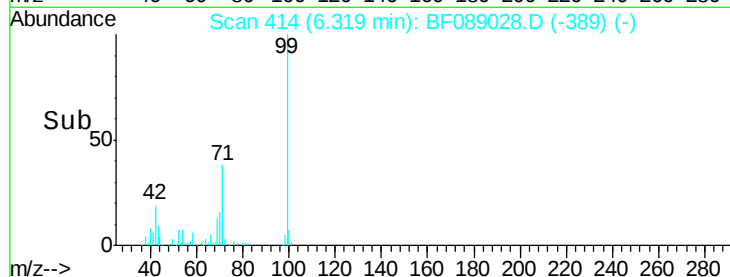
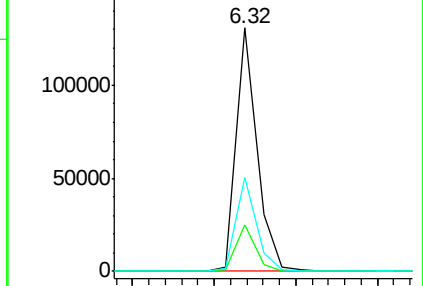
71 38.5 23.4 35.0#



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. 0.00 min

Lab File: BF089028.D

Acq: 15 Jul 2016 21:00

Tgt Ion: 136 Resp: 244306

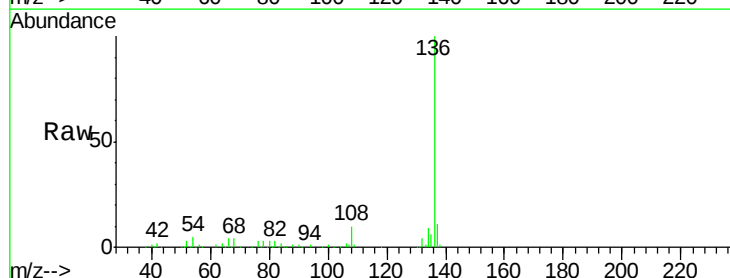
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 5.2 6.6 10.0#

68 4.4 5.1 7.7#

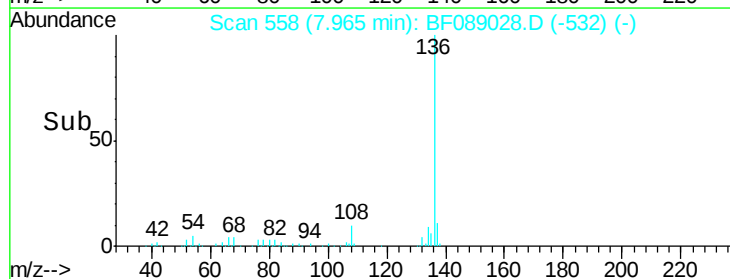
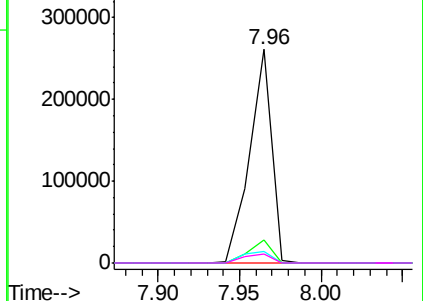


Abundance Ion 136.00 (135.70 to 136.70): E

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

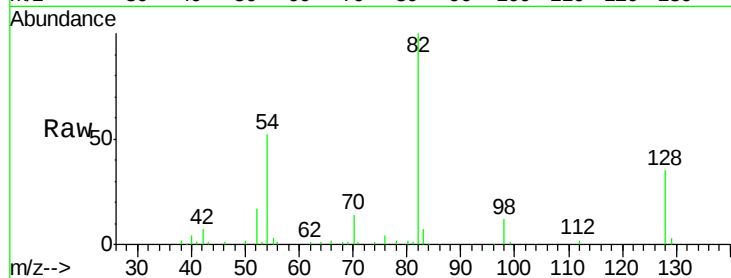




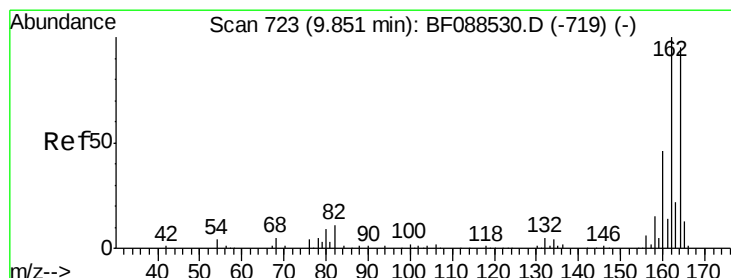
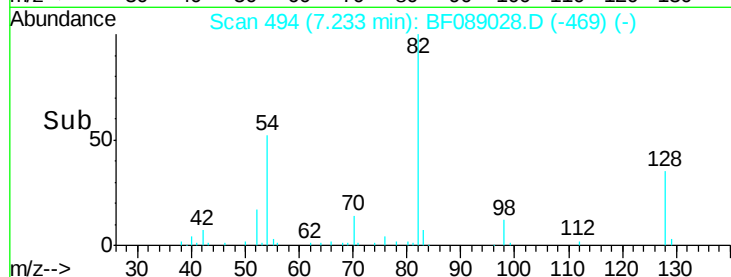
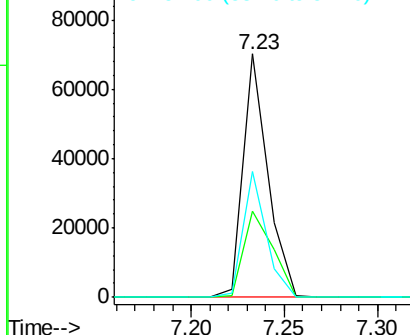
#23
 Nitrobenzene-d5
 Concen: 13.90 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: BF089028.D
 Acq: 15 Jul 2016 21:00

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB03(0-2in)

Tot Ion: 82 Resp: 64822
 Ion Ratio Lower Upper
 82 100
 128 35.4 35.9 53.9#
 54 51.6 40.9 61.3

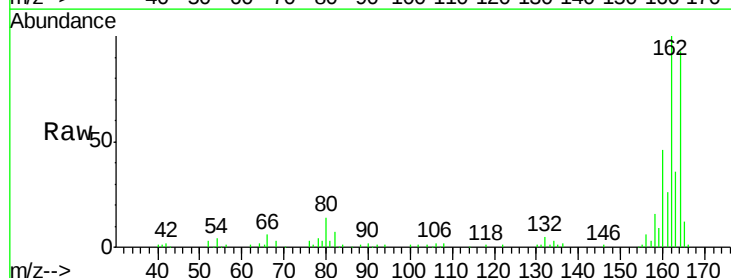


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

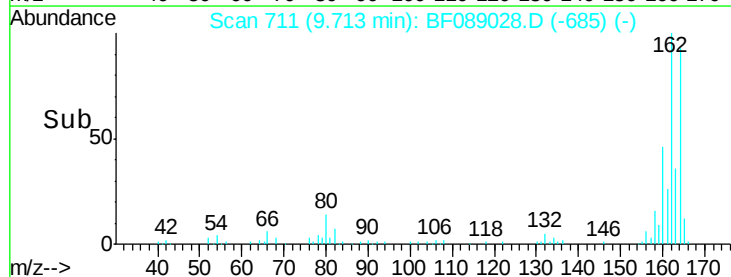
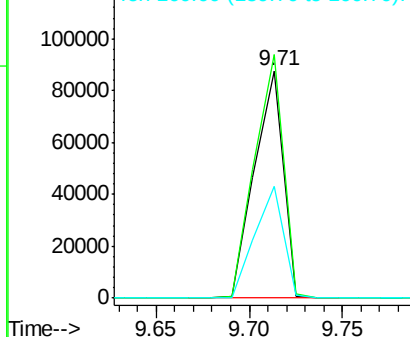


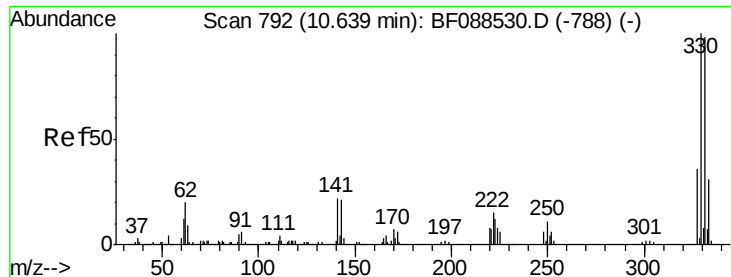
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: BF089028.D
 Acq: 15 Jul 2016 21:00

Tgt Ion:164 Resp: 92790
 Ion Ratio Lower Upper
 164 100
 162 107.1 85.4 128.2
 160 49.1 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

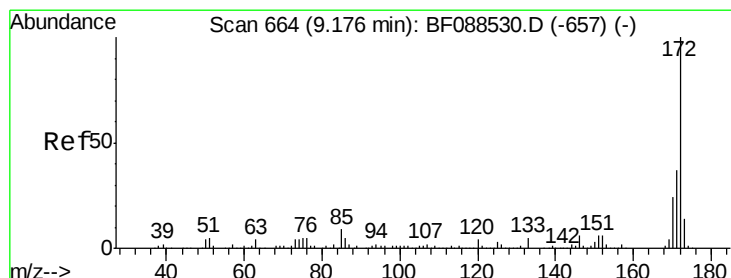
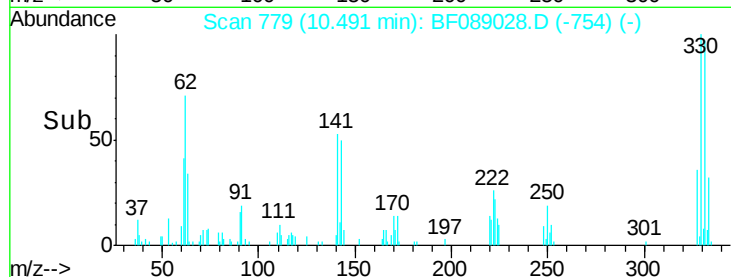
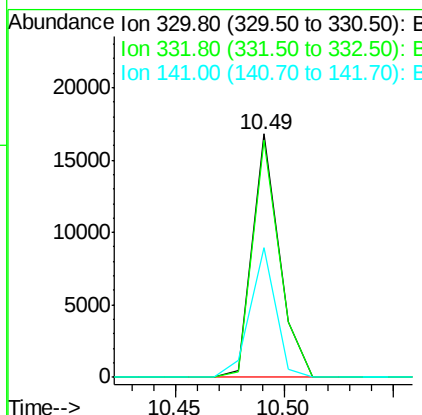
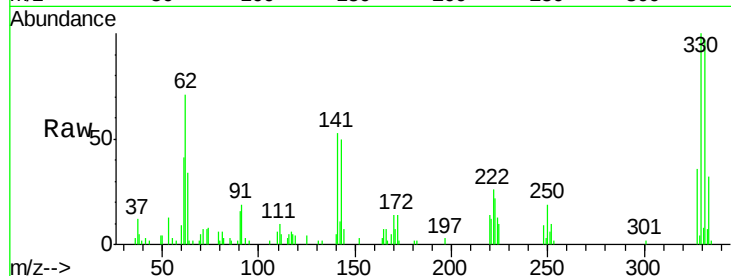




#41
 2,4,6-Tribromophenol
 Concen: 16.78 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF089028.D
 Acq: 15 Jul 2016 21:00

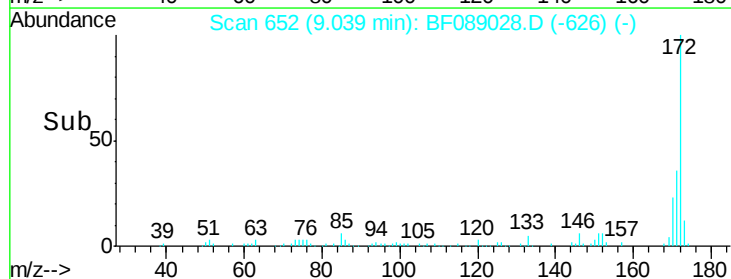
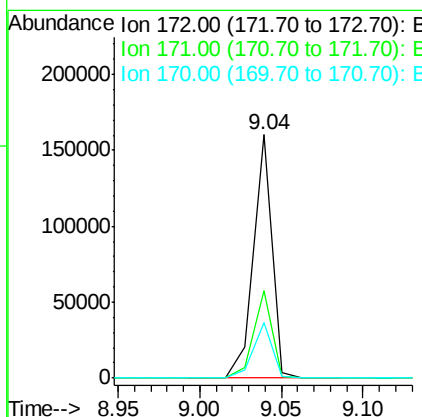
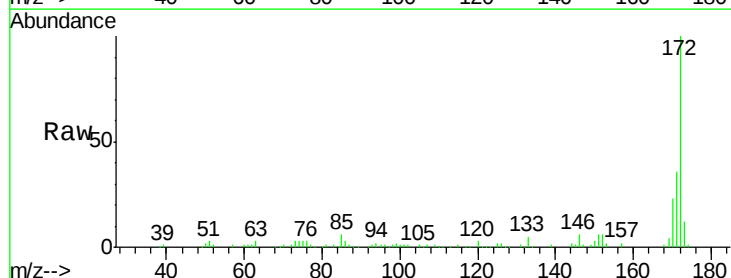
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB03(0-2in)

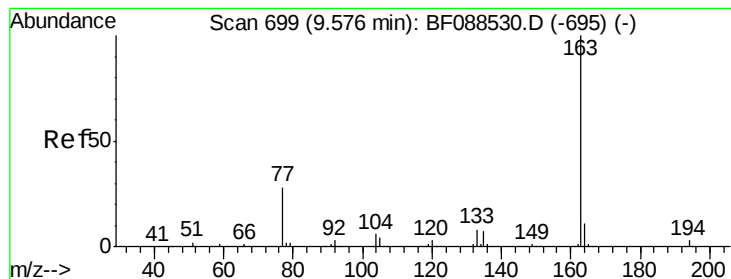
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	0.0	0.0#
141	50.6	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 21.62 ng
 RT: 9.04 min Scan# 652
 Delta R.T. 0.00 min
 Lab File: BF089028.D
 Acq: 15 Jul 2016 21:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	23.0	19.2	28.8





#49

Dimethylphthalate

Concen: 4.55 ng

RT: 9.44 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF089028.D

Acq: 15 Jul 2016 21:00

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB03(0-2in)

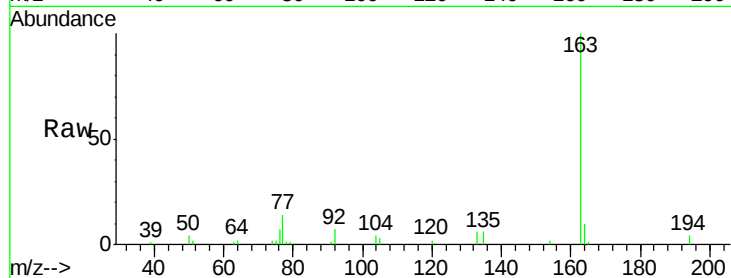
Tot Ion:163 Resp: 30107

Ion Ratio Lower Upper

163 100

194 4.0 2.8 4.2

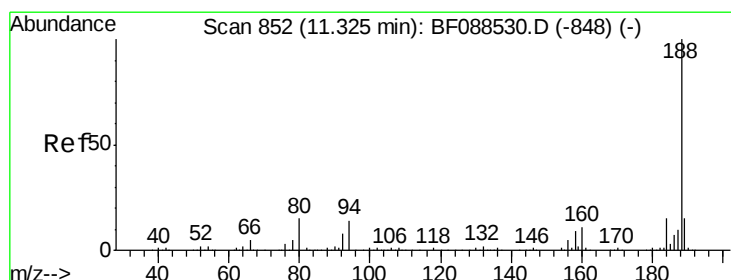
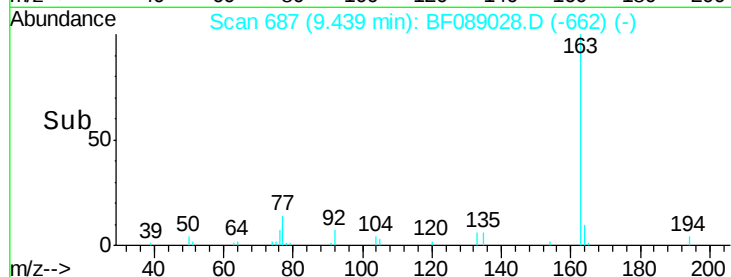
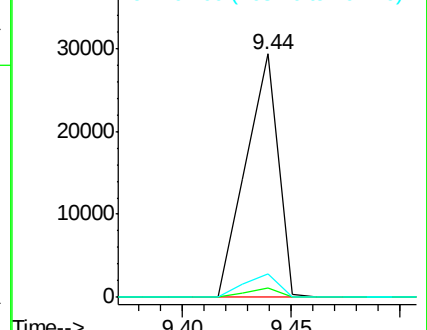
164 9.7 8.3 12.5



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.19 min Scan# 840

Delta R.T. 0.00 min

Lab File: BF089028.D

Acq: 15 Jul 2016 21:00

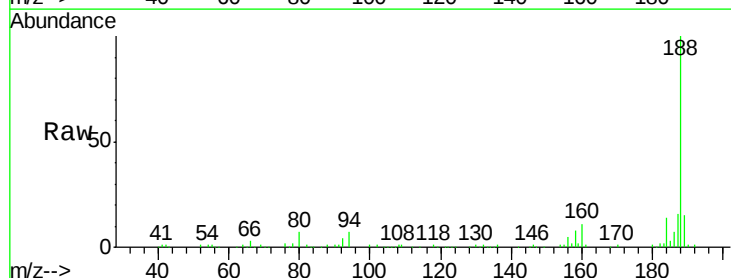
Tgt Ion:188 Resp: 142708

Ion Ratio Lower Upper

188 100

94 6.9 9.0 13.6#

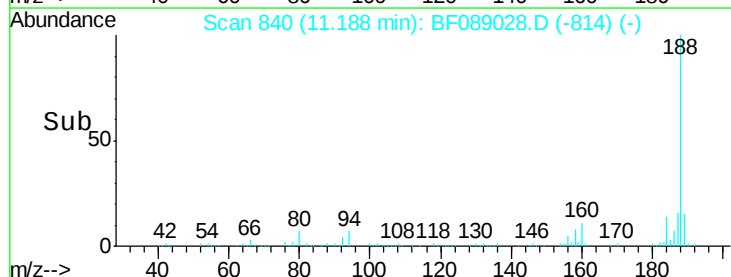
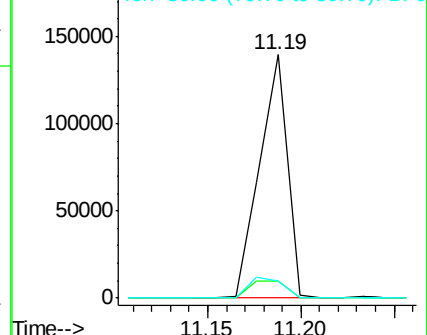
80 7.2 10.0 15.0#

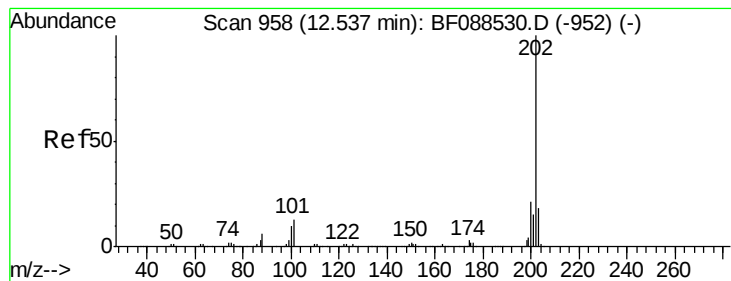


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 4.18 ng

RT: 12.39 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF089028.D

Acq: 15 Jul 2016 21:00

Instrument :

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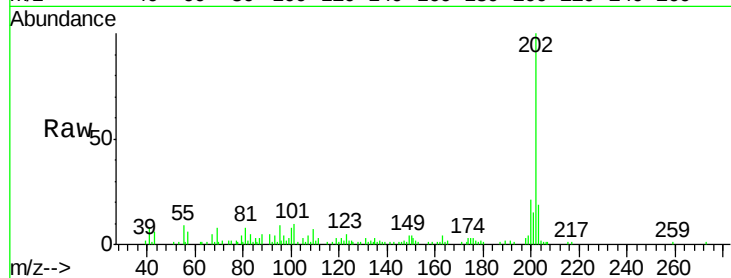
Tot Ion:202 Resp: 33071

Ion Ratio Lower Upper

202 100

101 10.1 0.0 33.1

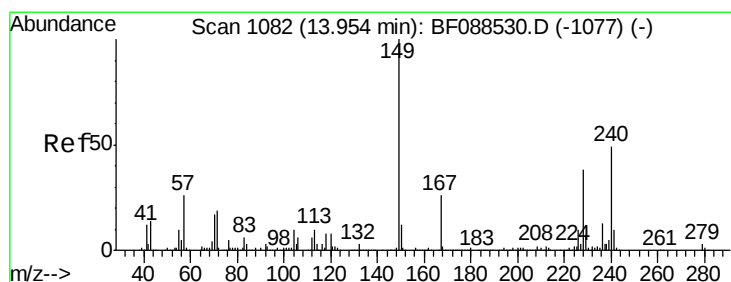
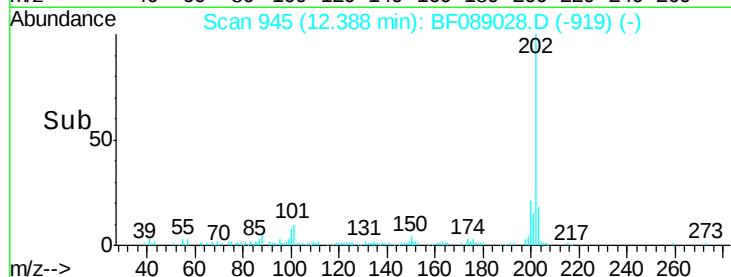
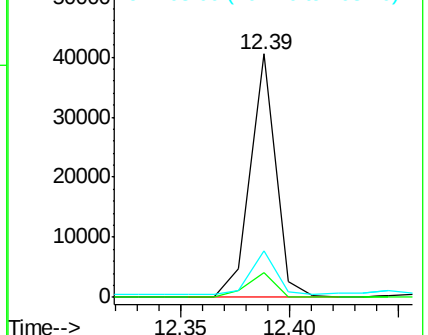
203 18.8 0.0 38.1



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. -0.01 min

Lab File: BF089028.D

Acq: 15 Jul 2016 21:00

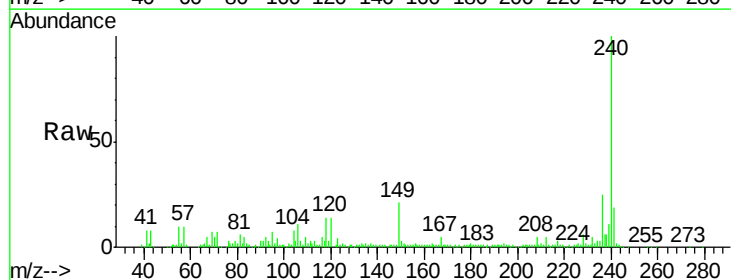
Tgt Ion:240 Resp: 107907

Ion Ratio Lower Upper

240 100

120 14.3 6.8 10.2#

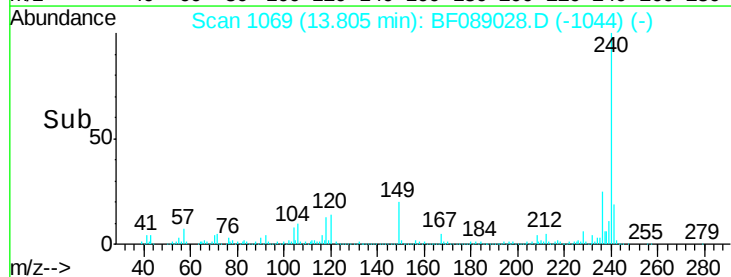
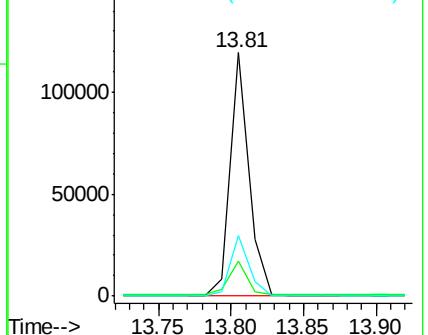
236 24.7 20.2 30.2

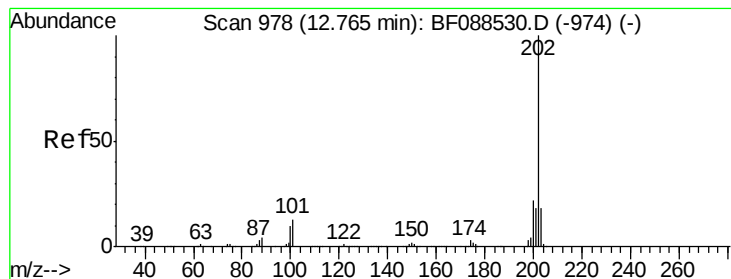


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.55 ng

RT: 12.62 min Scan# 965

Delta R.T. 0.00 min

Lab File: BF089028.D

Acq: 15 Jul 2016 21:00

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB03(0-2in)

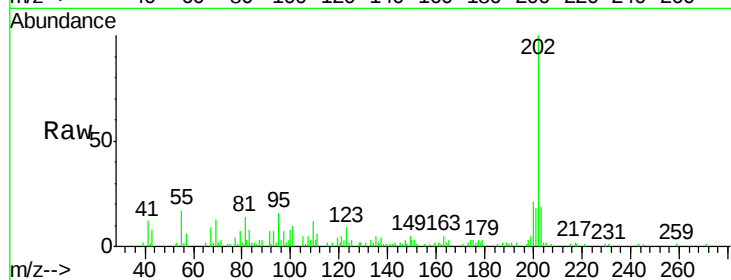
Tot Ion:202 Resp: 32492

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

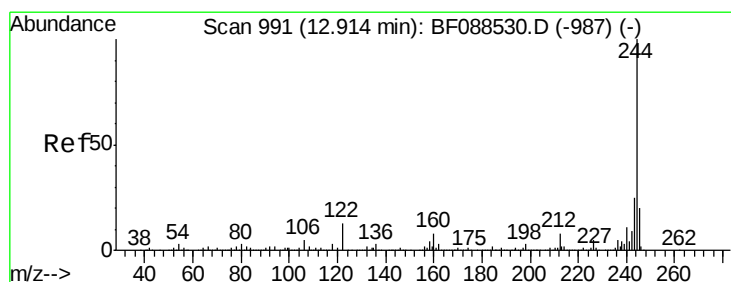
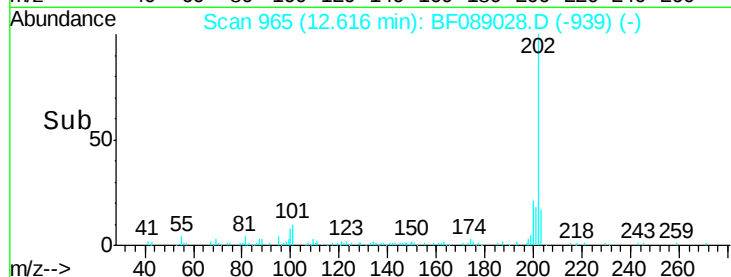
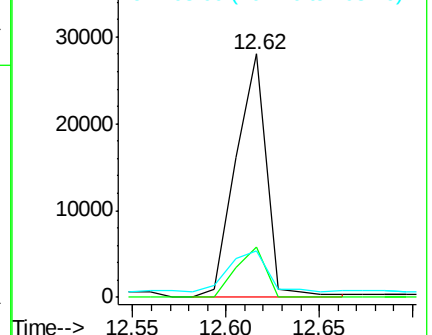
203 18.9 14.5 21.7



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: 14.34 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.01 min

Lab File: BF089028.D

Acq: 15 Jul 2016 21:00

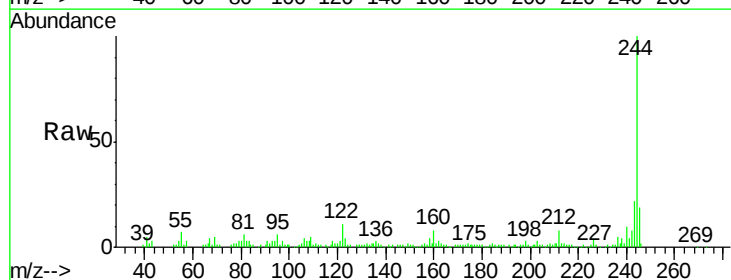
Tgt Ion:244 Resp: 69464

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

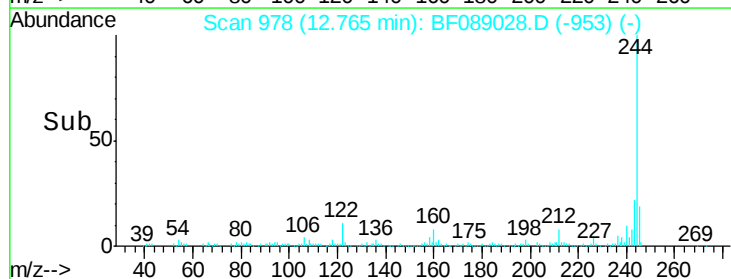
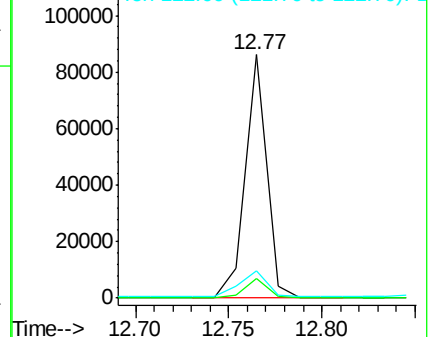
122 11.2 11.2 16.8

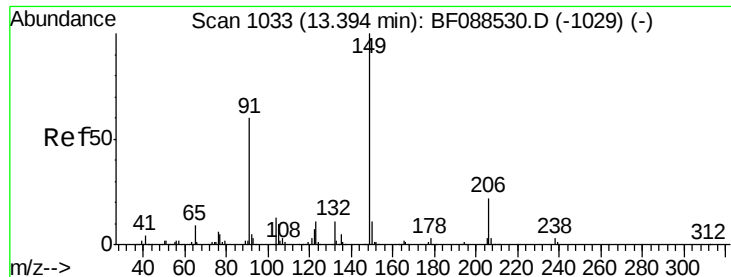


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 6.23 ng

RT: 13.25 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BF089028.D

Acq: 15 Jul 2016 21:00

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB03(0-2in)

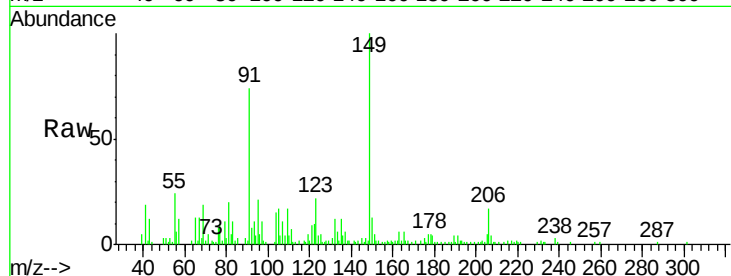
Tot Ion:149 Resp: 25426

Ion Ratio Lower Upper

149 100

91 73.6 48.0 72.0#

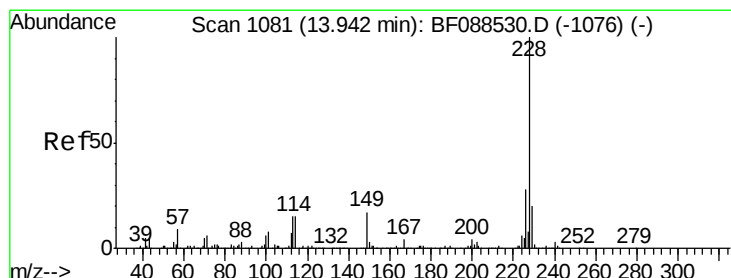
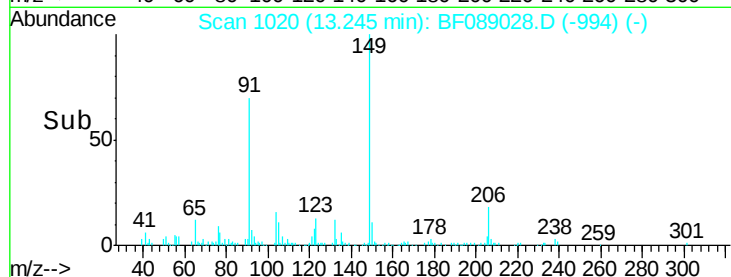
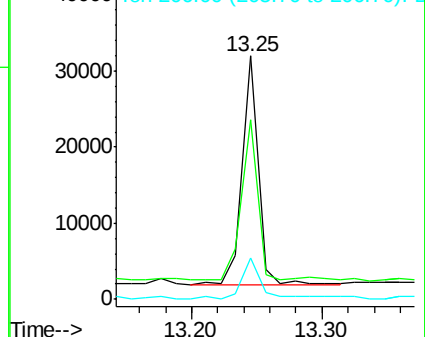
206 17.2 16.0 24.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 2.92 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BF089028.D

Acq: 15 Jul 2016 21:00

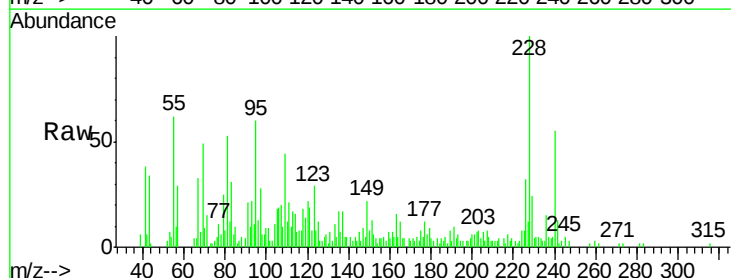
Tgt Ion:228 Resp: 20285

Ion Ratio Lower Upper

228 100

226 32.3 22.3 33.5

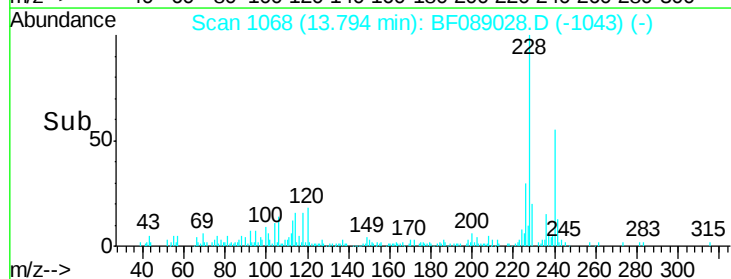
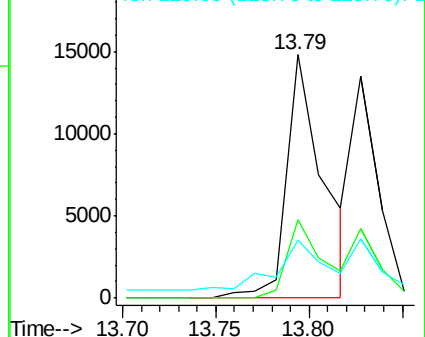
229 23.9 16.0 24.0

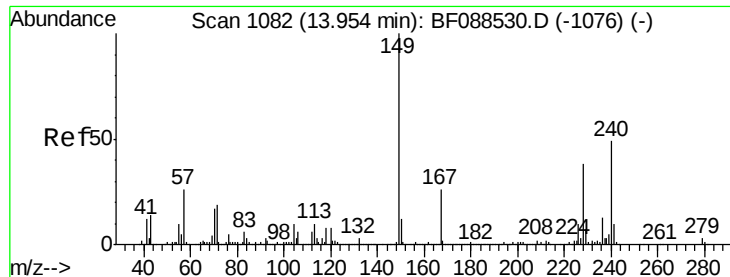


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

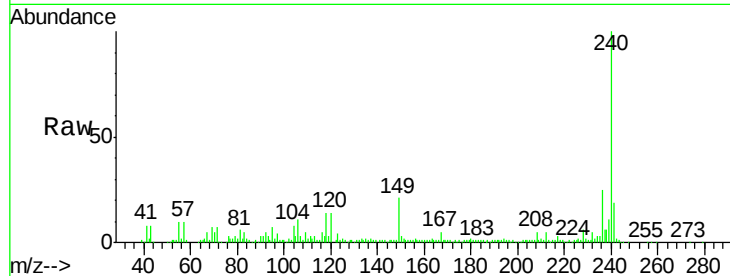




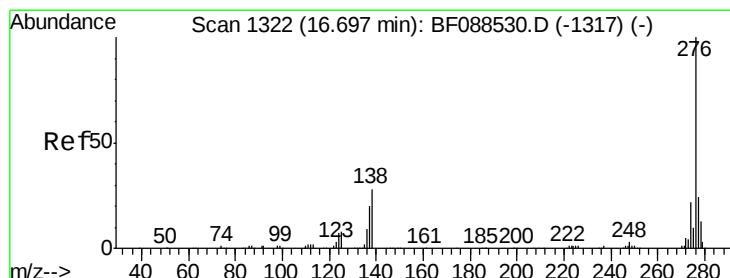
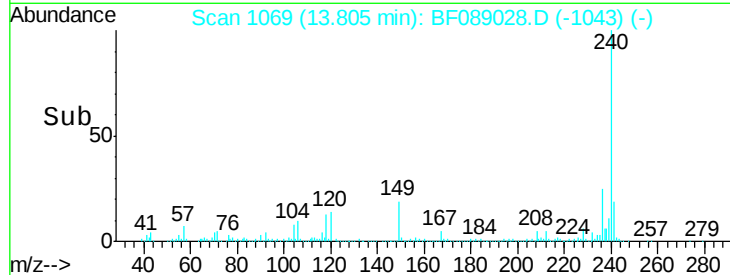
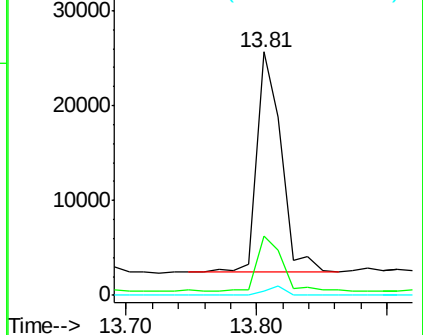
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.52 ng
 RT: 13.81 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: BF089028.D
 Acq: 15 Jul 2016 21:00

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB03(0-2in)

Tot Ion:149 Resp: 30377
 Ion Ratio Lower Upper
 149 100
 167 24.3 20.5 30.7
 279 1.7 2.0 3.0#

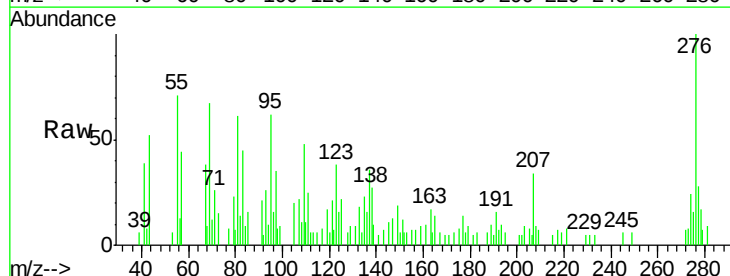


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

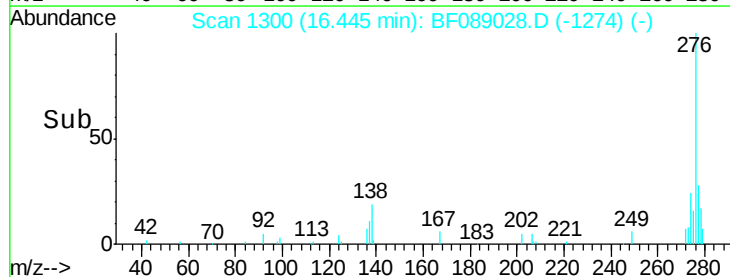
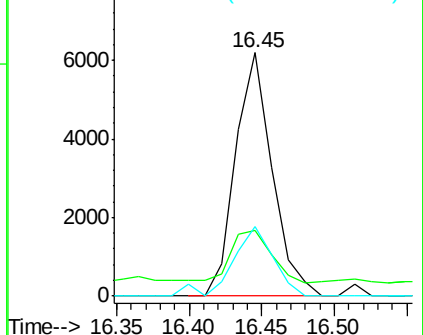


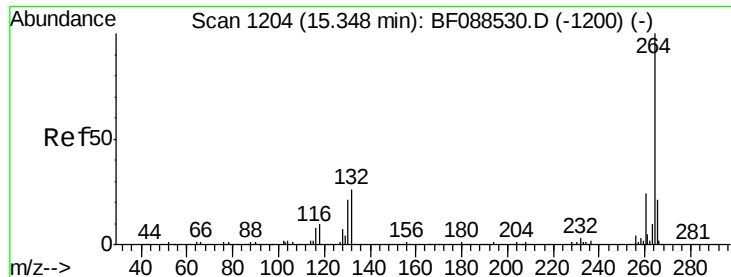
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.06 ng
 RT: 16.45 min Scan# 1300
 Delta R.T. 0.00 min
 Lab File: BF089028.D
 Acq: 15 Jul 2016 21:00

Tgt Ion:276 Resp: 10869
 Ion Ratio Lower Upper
 276 100
 138 22.6 0.0 0.0#
 277 31.2 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

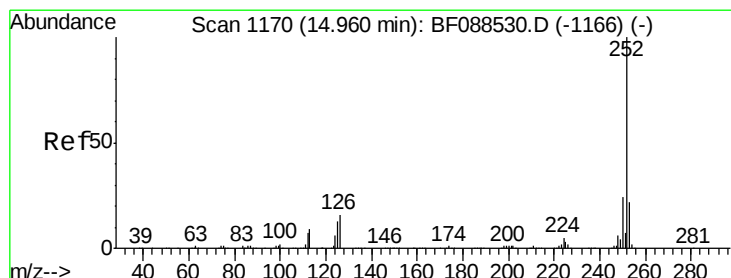
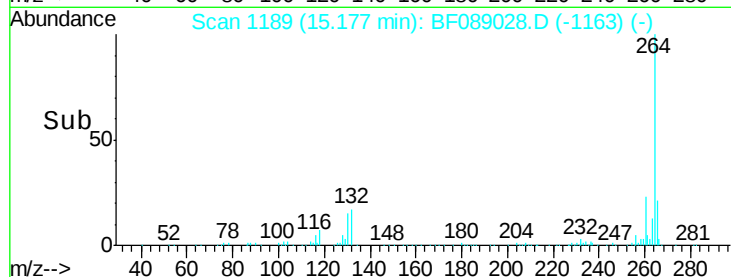
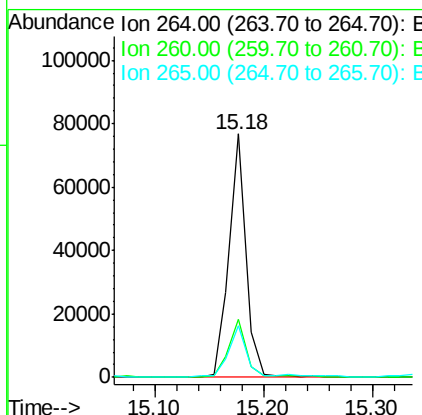
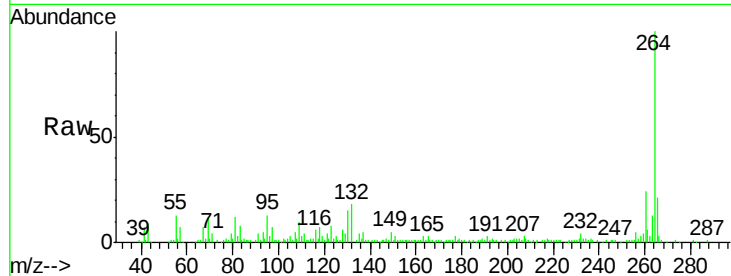




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1189
Delta R.T. 0.00 min
Lab File: BF089028.D
Acq: 15 Jul 2016 21:00

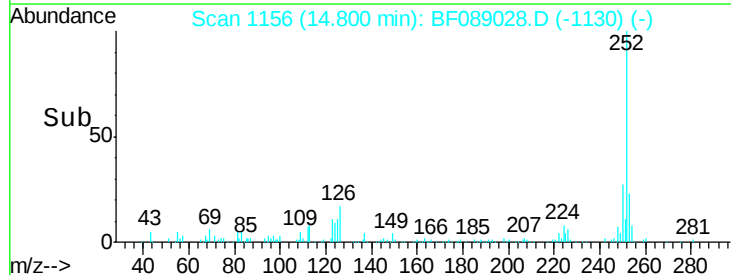
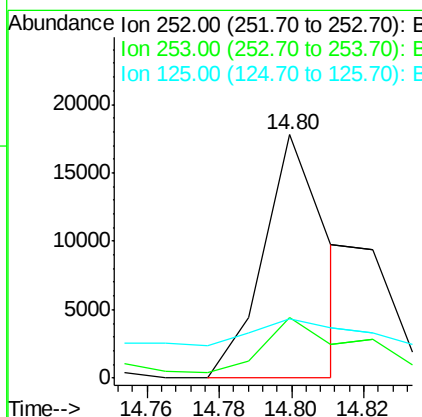
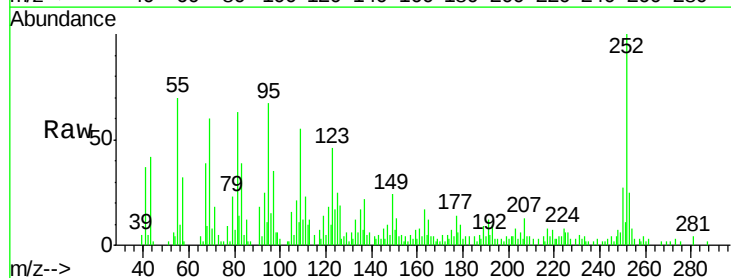
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB03(0-2in)

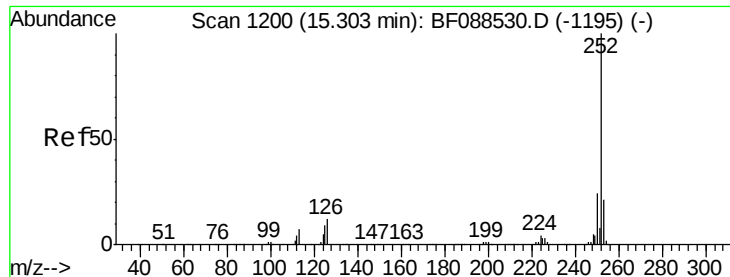
Tot Ion:264 Resp: 83261
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 21.1 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 4.20 ng m
RT: 14.80 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BF089028.D
Acq: 15 Jul 2016 21:00

Tgt Ion:252 Resp: 21937
Ion Ratio Lower Upper
252 100
253 25.1 17.4 26.2
125 24.6 7.1 10.7#





#89

Benzo(a)pyrene

Concen: 3.12 ng

RT: 15.12 min Scan# 1184

Delta R.T. 0.00 min

Lab File: BF089028.D

Acq: 15 Jul 2016 21:00

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB03(0-2in)

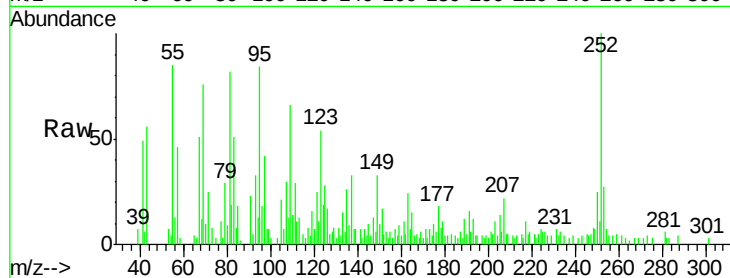
Tot Ion:252 Resp: 13780

Ion Ratio Lower Upper

252 100

253 26.6 17.9 26.9

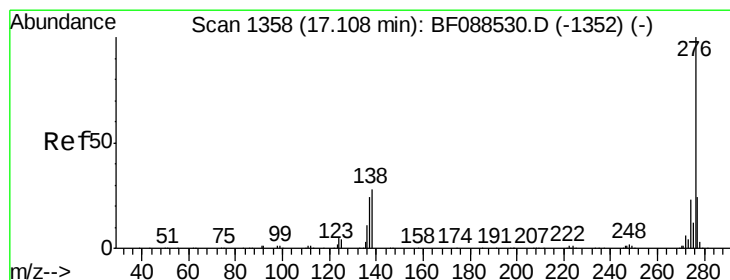
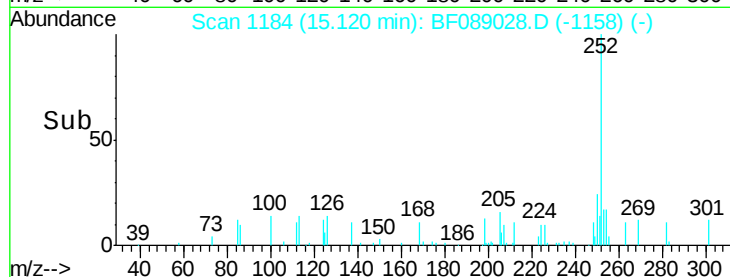
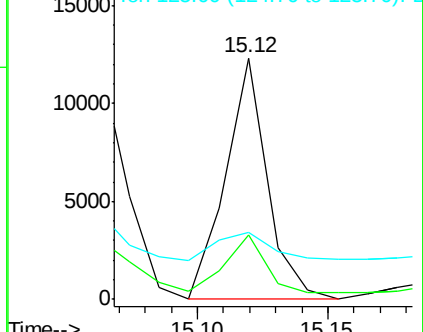
125 27.9 12.5 18.7#



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: 3.17 ng

RT: 16.82 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF089028.D

Acq: 15 Jul 2016 21:00

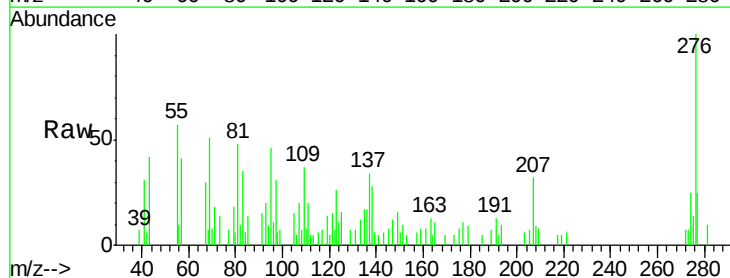
Tgt Ion:276 Resp: 12120

Ion Ratio Lower Upper

276 100

277 24.6 18.9 28.3

138 27.6 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

