

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071516\
 Data File : BF089023.D
 Acq On : 15 Jul 2016 18:26
 Operator : UM/SJ
 Sample : H3951-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB01(0-2in)

Quant Time: Jul 16 01:25:15 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	65022	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	248943	20.00	ng	0.00
38) Acenaphthene-d10	9.71	164	90914	20.00	ng	0.00
63) Phenanthrene-d10	11.19	188	147990	20.00	ng	0.00
75) Chrysene-d12	13.81	240	117563	20.00	ng	-0.01
86) Perylene-d12	15.18	264	88154	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	90100	20.77	ng	0.00
7) Phenol-d6	6.32	99	113191	20.19	ng	-0.01
23) Nitrobenzene-d5	7.23	82	65843	13.86	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	14031	16.62	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	124965	21.71	ng	0.00
78) Terphenyl-d14	12.77	244	72000	13.64	ng	-0.01

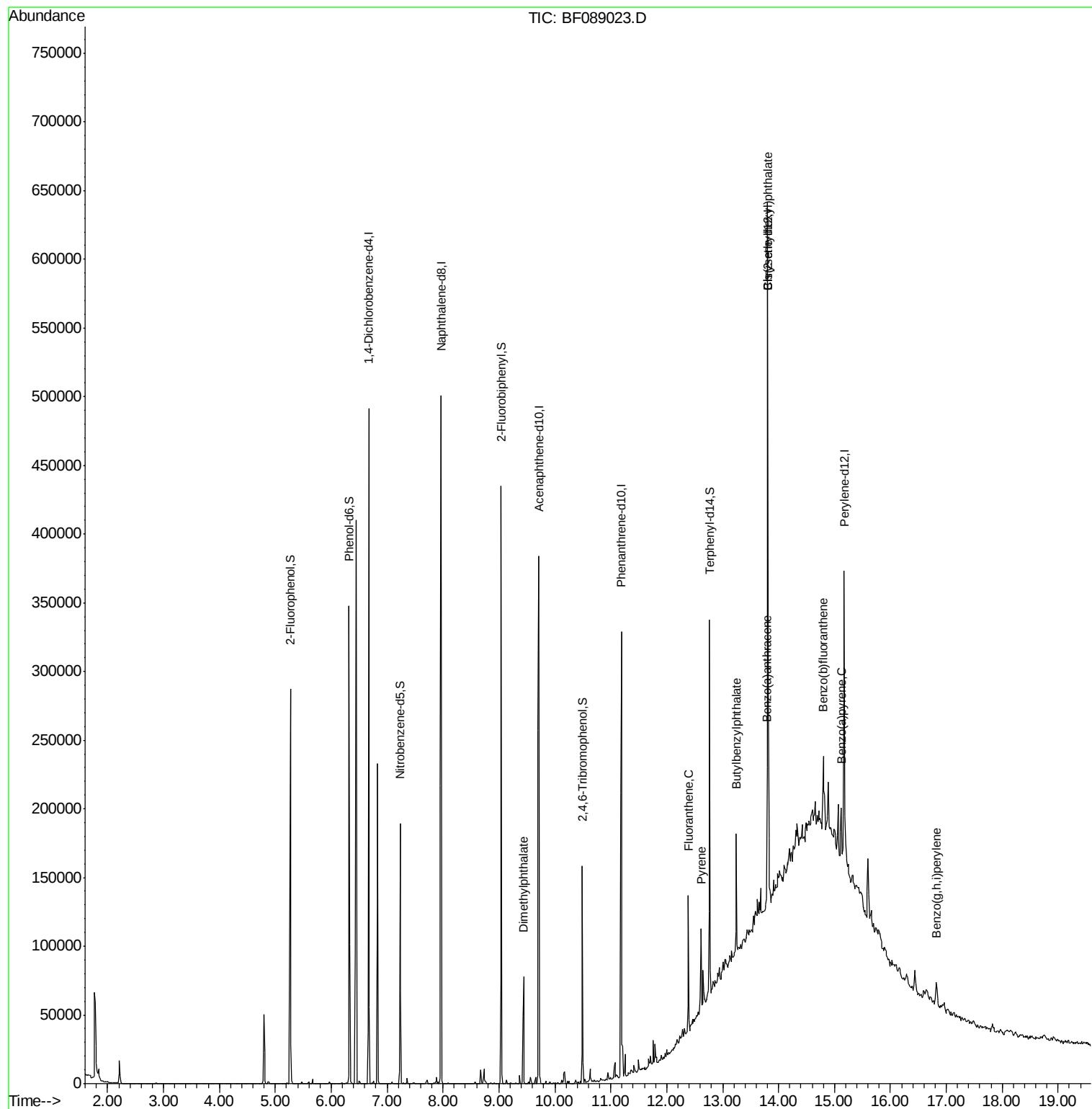
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.44	163	41196	6.36	ng	99
74) Fluoranthene	12.39	202	32905	4.01	ng	96
77) Pyrene	12.62	202	30722	3.08	ng	99
79) Butylbenzylphthalate	13.25	149	18867	4.24	ng	# 83
80) Benzo(a)anthracene	13.79	228	19744	2.61	ng	92
83) Bis(2-ethylhexyl)phthalate	13.81	149	35395	6.97	ng	# 95
87) Benzo(b)fluoranthene	14.80	252	21118m	3.82	ng	
89) Benzo(a)pyrene	15.12	252	13531	2.89	ng	# 92
91) Benzo(g,h,i)perylene	16.82	276	12467	3.08	ng	96

(#) = 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: BF089023.D

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Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB01(0-2in)

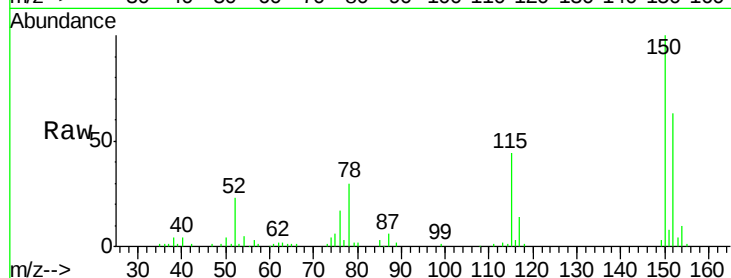
Tot Ion:152 Resp: 65022

Ion Ratio Lower Upper

152 100

150 159.1 123.8 185.6

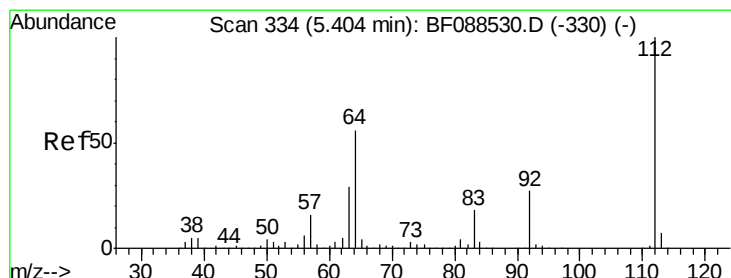
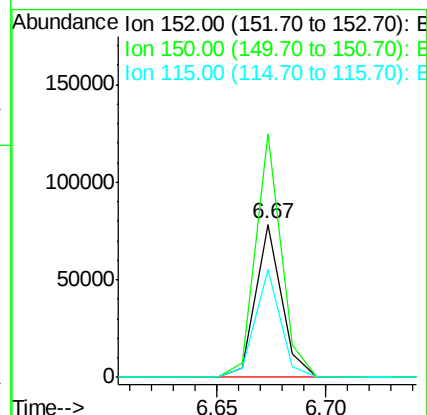
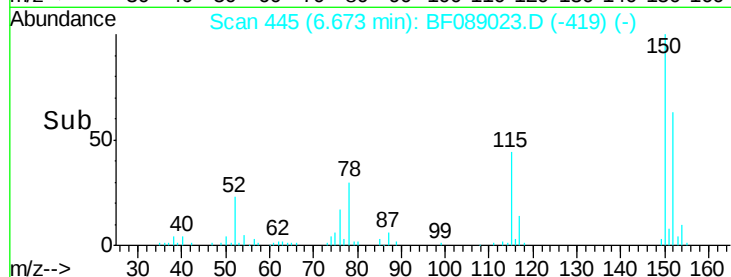
115 70.4 39.6 59.4#



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: 20.77 ng

RT: 5.27 min Scan# 322

Delta R.T. 0.00 min

Lab File: BF089023.D

Acq: 15 Jul 2016 18:26

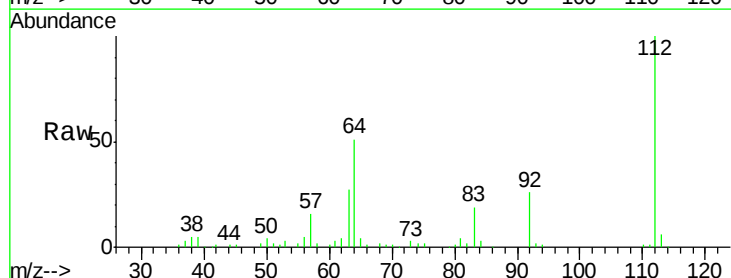
Tgt Ion:112 Resp: 90100

Ion Ratio Lower Upper

112 100

64 51.5 42.2 63.2

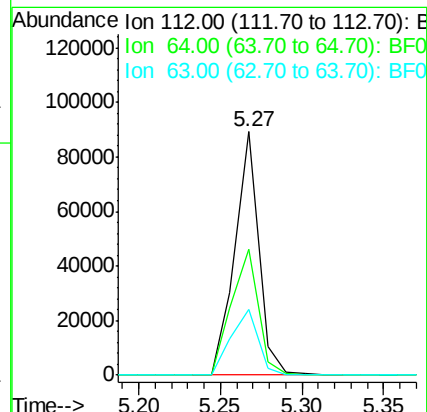
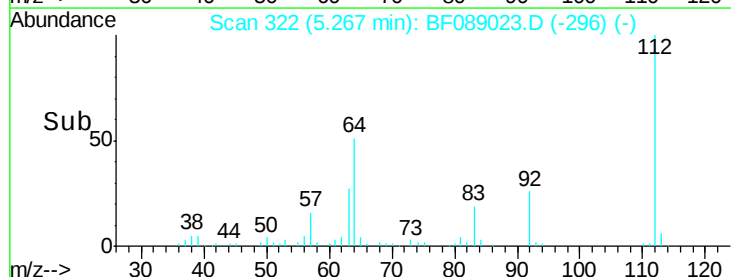
63 27.1 21.8 32.8



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: 20.19 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF089023.D

Acq: 15 Jul 2016 18:26

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB01(0-2in)

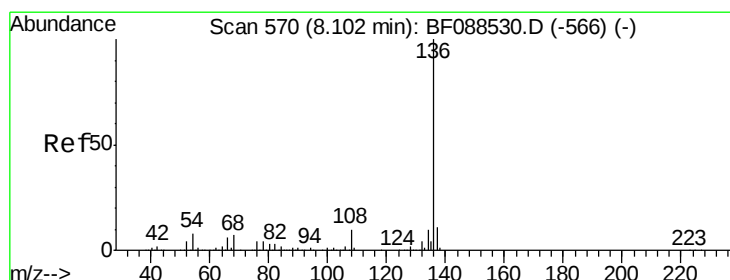
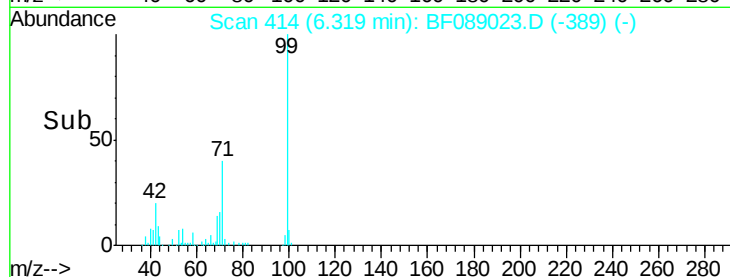
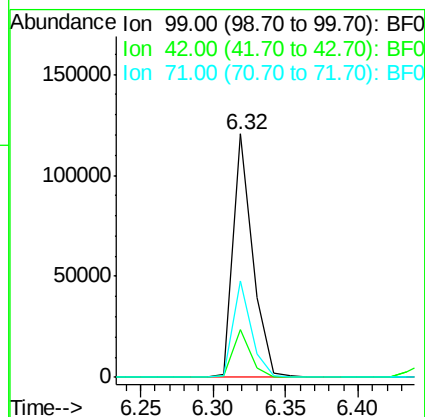
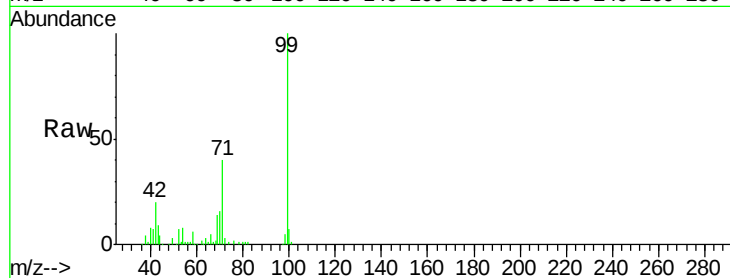
Tot Ion: 99 Resp: 113191

Ion Ratio Lower Upper

99 100

42 19.7 12.2 18.2#

71 39.6 23.4 35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. 0.00 min

Lab File: BF089023.D

Acq: 15 Jul 2016 18:26

Tgt Ion: 136 Resp: 248943

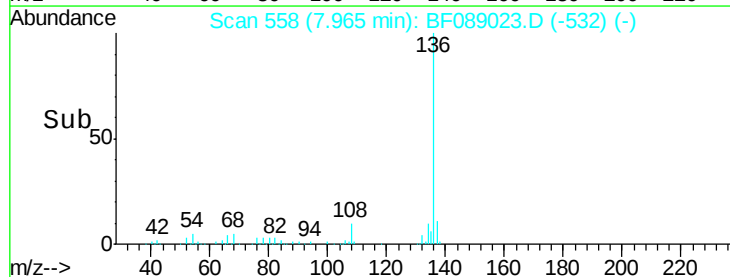
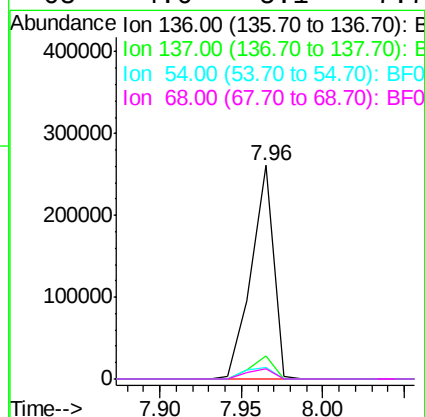
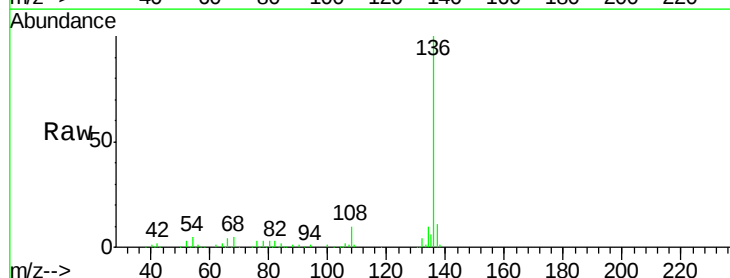
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 5.5 6.6 10.0#

68 4.6 5.1 7.7#

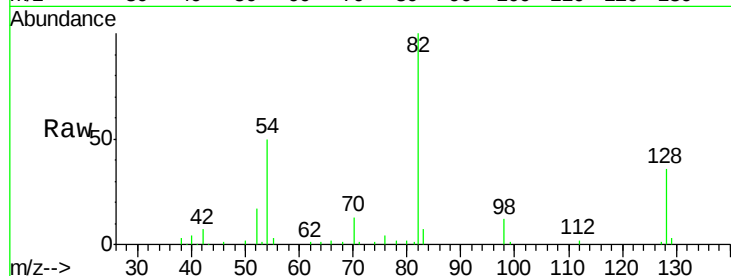




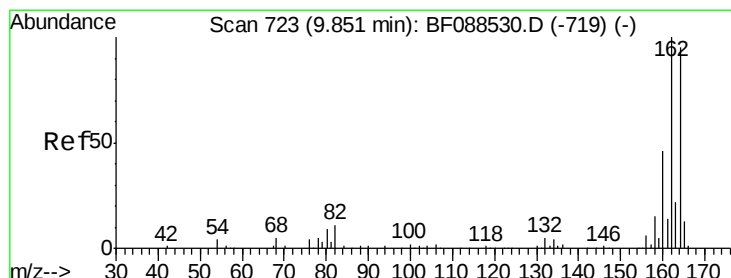
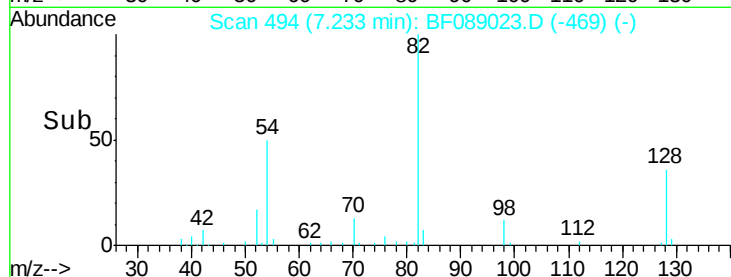
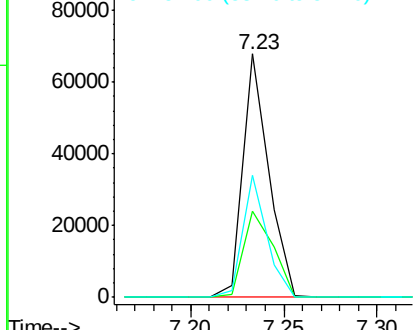
#23
 Nitrobenzene-d5
 Concen: 13.86 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: BF089023.D
 Acq: 15 Jul 2016 18:26

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB01(0-2in)

Tot Ion: 82 Resp: 65843
 Ion Ratio Lower Upper
 82 100
 128 35.6 35.9 53.9#
 54 50.3 40.9 61.3

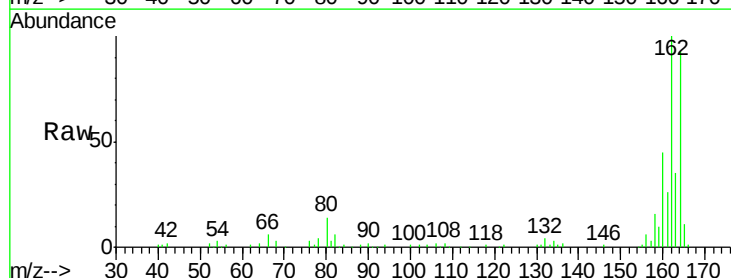


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

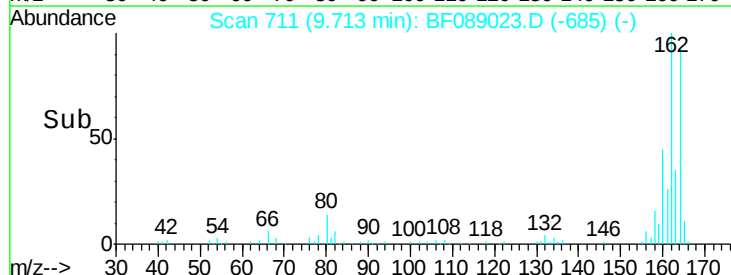
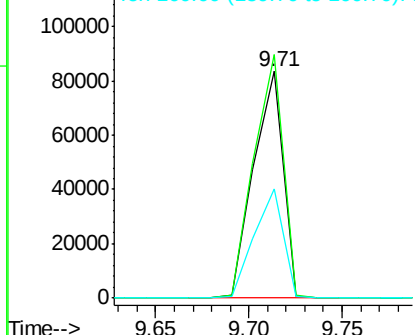


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: BF089023.D
 Acq: 15 Jul 2016 18:26

Tgt Ion:164 Resp: 90914
 Ion Ratio Lower Upper
 164 100
 162 107.6 85.4 128.2
 160 48.0 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

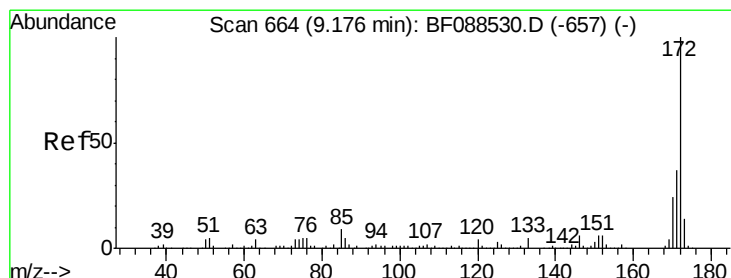
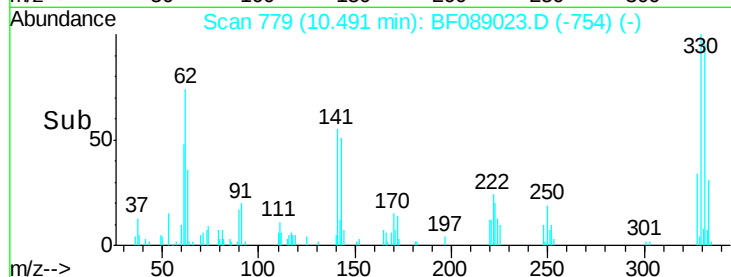
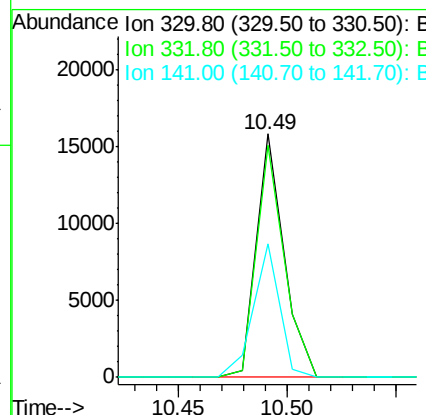
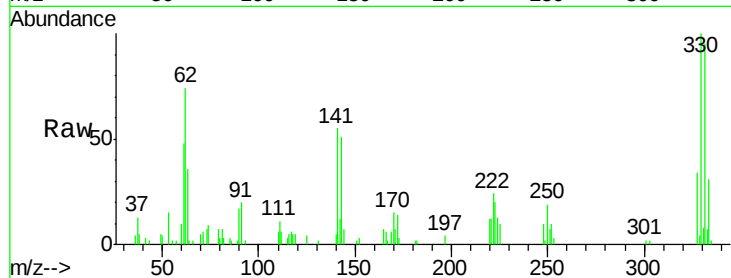




#41
 2,4,6-Tribromophenol
 Concen: 16.62 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF089023.D
 Acq: 15 Jul 2016 18:26

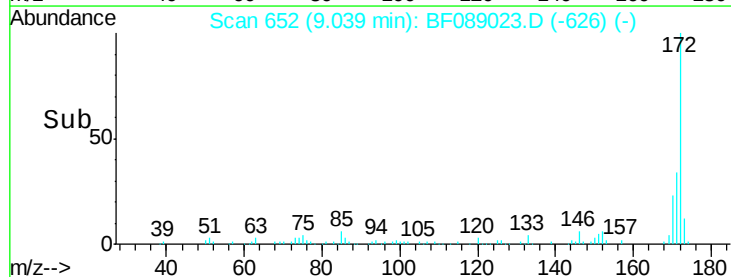
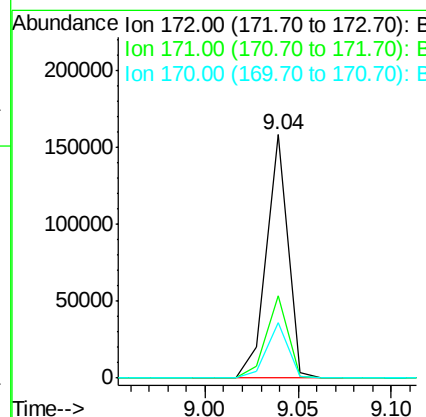
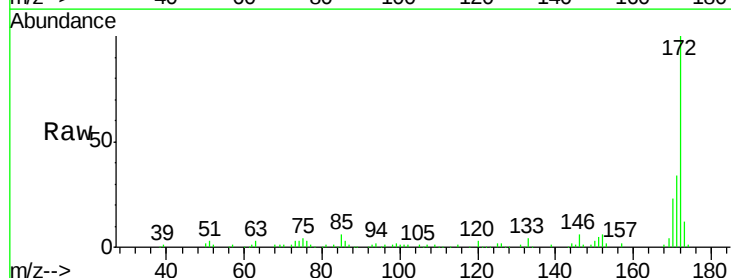
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB01(0-2in)

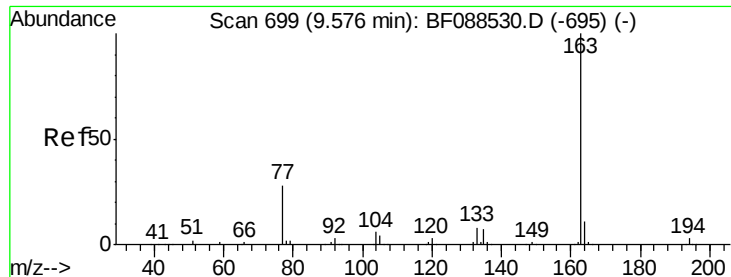
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	0.0	0.0#
141	52.3	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 21.71 ng
 RT: 9.04 min Scan# 652
 Delta R.T. 0.00 min
 Lab File: BF089023.D
 Acq: 15 Jul 2016 18:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.6	43.0
170	22.6	19.2	28.8

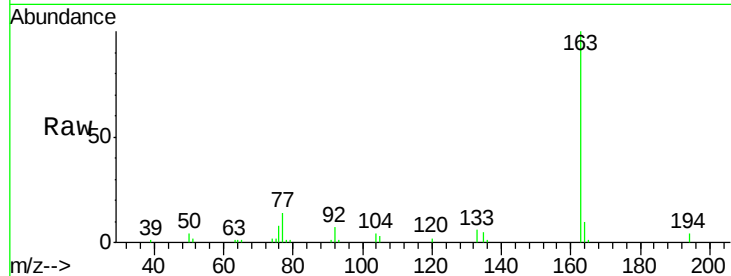




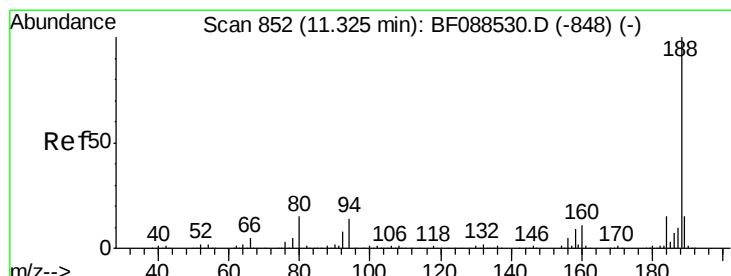
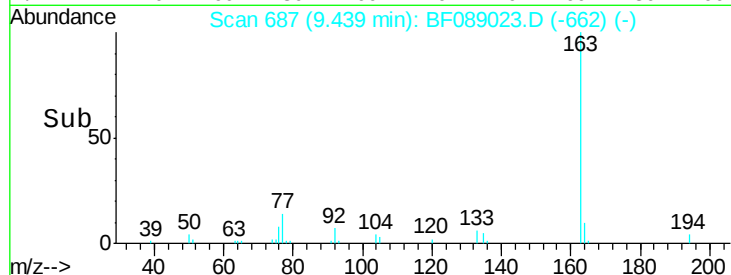
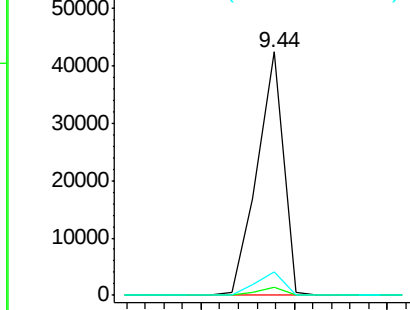
#49
Dimethylphthalate
Concen: 6.36 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF089023.D
Acq: 15 Jul 2016 18:26

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB01(0-2in)

Tot Ion:163 Resp: 41196
Ion Ratio Lower Upper
163 100
194 3.6 2.8 4.2
164 9.8 8.3 12.5

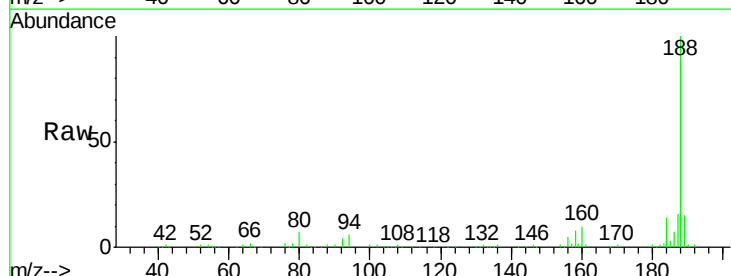


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

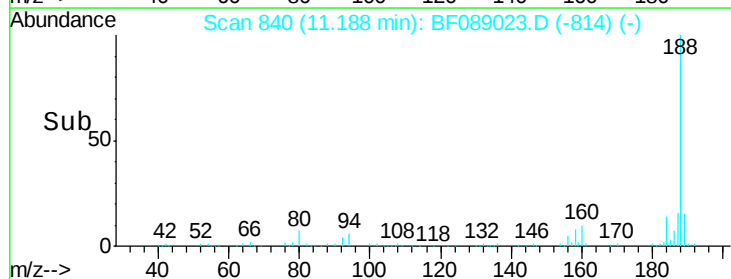
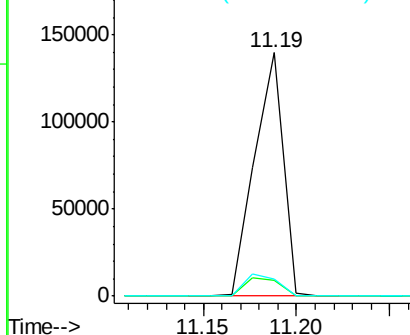


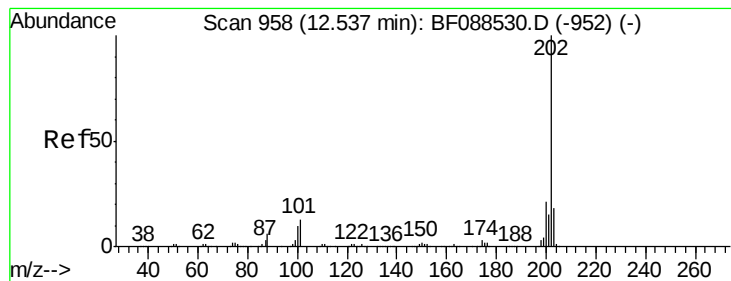
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF089023.D
Acq: 15 Jul 2016 18:26

Tgt Ion:188 Resp: 147990
Ion Ratio Lower Upper
188 100
94 6.4 9.0 13.6#
80 6.8 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: 4.01 ng

RT: 12.39 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF089023.D

Acq: 15 Jul 2016 18:26

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB01(0-2in)

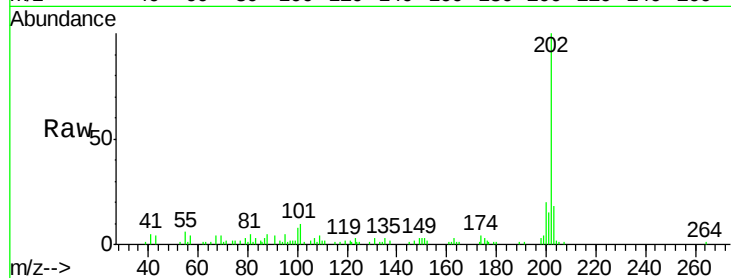
Tot Ion:202 Resp: 32905

Ion Ratio Lower Upper

202 100

101 9.9 0.0 33.1

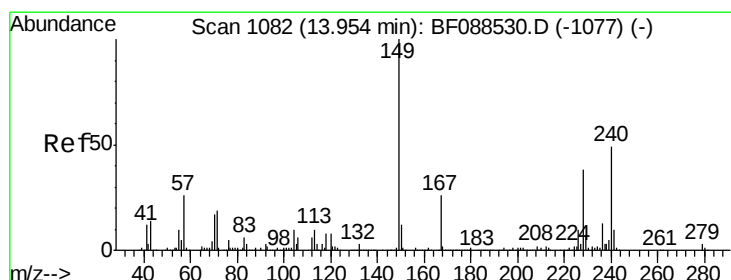
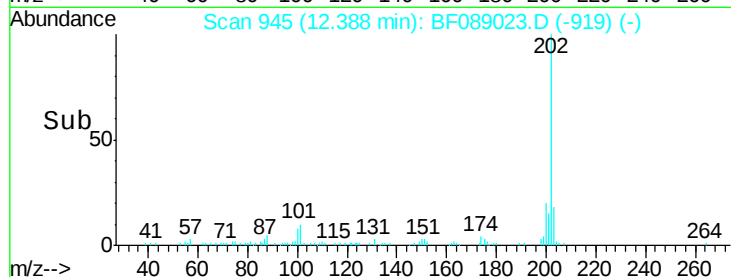
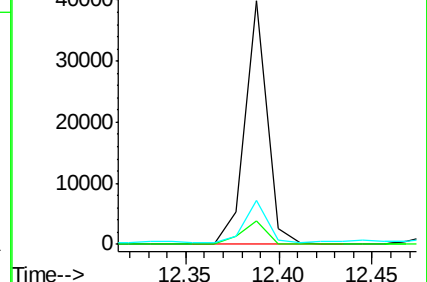
203 18.0 0.0 38.1



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. -0.01 min

Lab File: BF089023.D

Acq: 15 Jul 2016 18:26

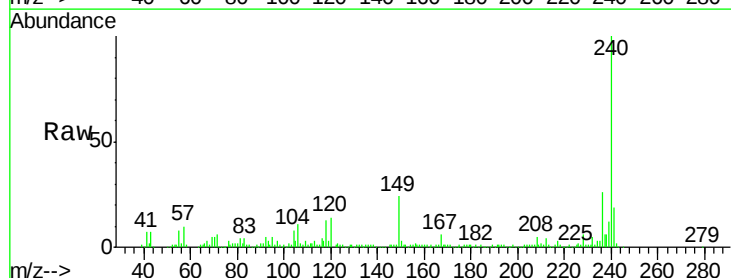
Tgt Ion:240 Resp: 117563

Ion Ratio Lower Upper

240 100

120 14.0 6.8 10.2#

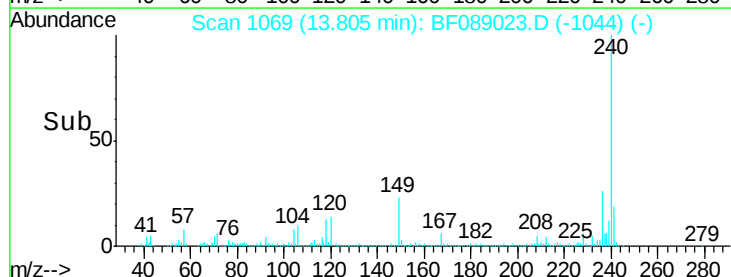
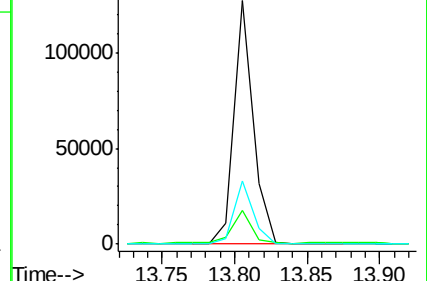
236 25.7 20.2 30.2

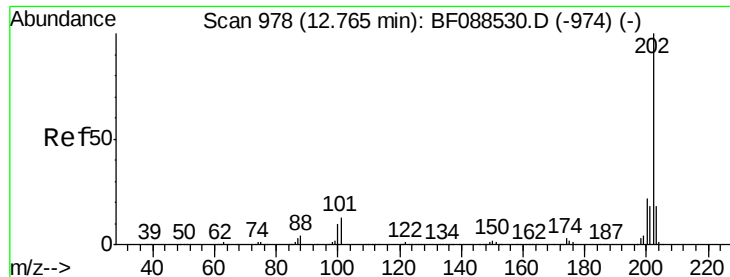


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

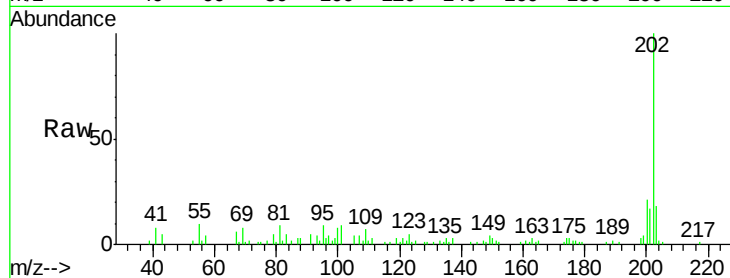




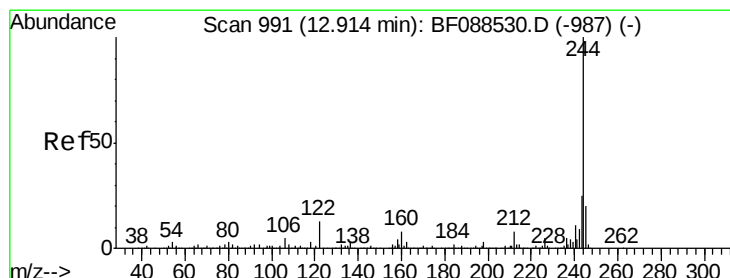
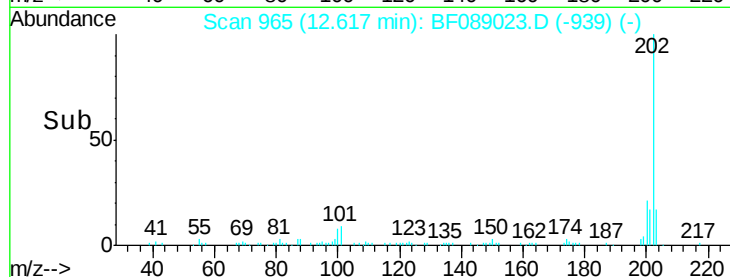
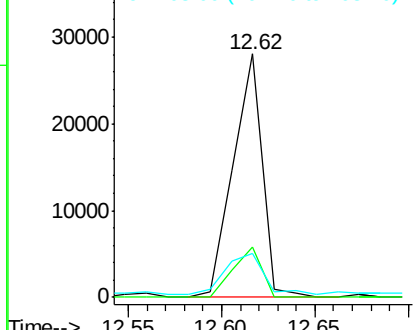
#77
Pvrene
Concen: 3.08 ng
RT: 12.62 min Scan# 965
Delta R.T. 0.00 min
Lab File: BF089023.D
Acq: 15 Jul 2016 18:26

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB01(0-2in)

Tot Ion:202 Resp: 30722
Ion Ratio Lower Upper
202 100
200 20.6 17.4 26.2
203 18.1 14.5 21.7

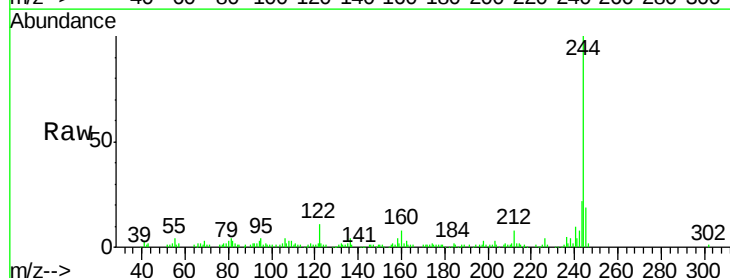


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

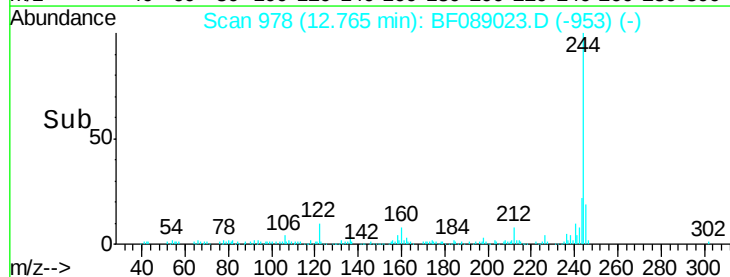
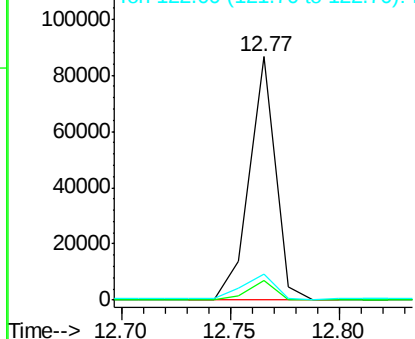


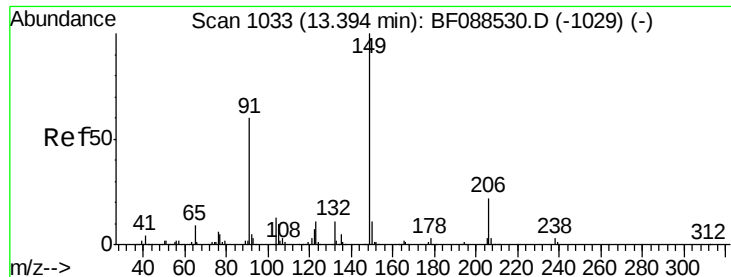
#78
Terphenyl-d14
Concen: 13.64 ng
RT: 12.77 min Scan# 978
Delta R.T. -0.01 min
Lab File: BF089023.D
Acq: 15 Jul 2016 18:26

Tgt Ion:244 Resp: 72000
Ion Ratio Lower Upper
244 100
212 8.0 6.0 9.0
122 10.8 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

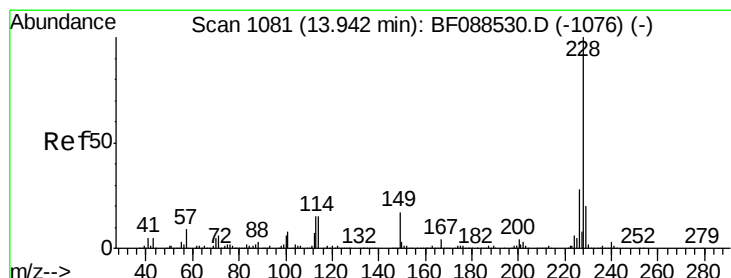
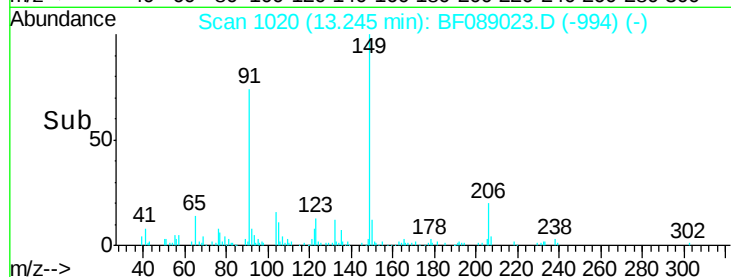
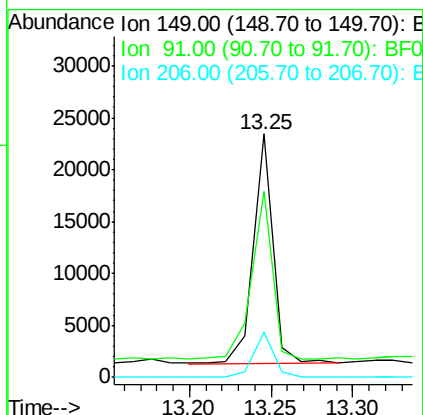
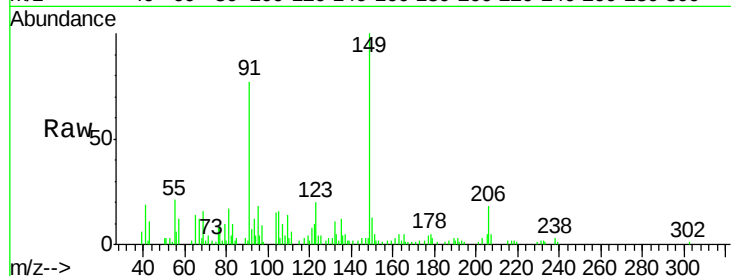




#79
Butylbenzylphthalate
Concen: 4.24 ng
RT: 13.25 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF089023.D
Acq: 15 Jul 2016 18:26

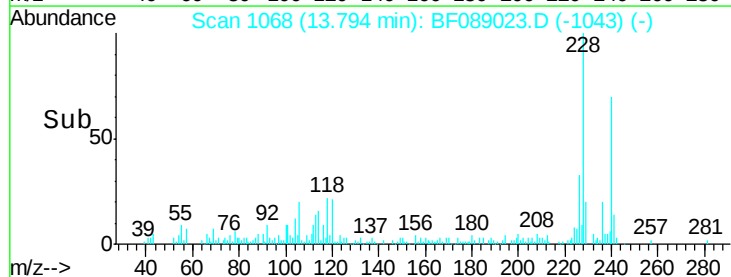
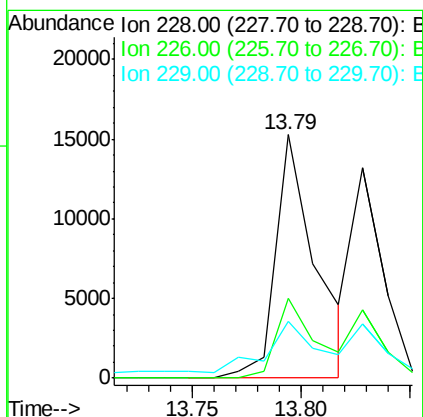
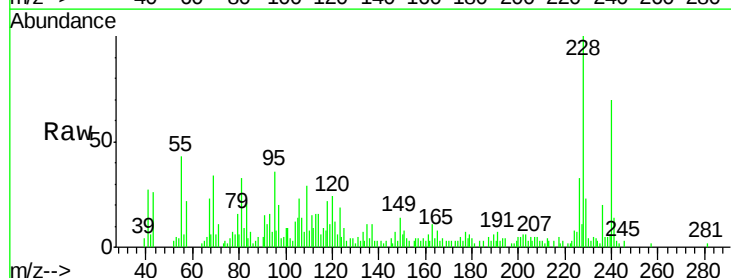
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB01(0-2in)

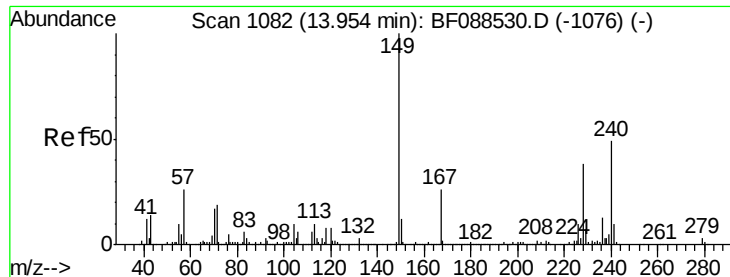
Tot Ion	Ratio	Lower	Upper
149	100		
91	76.6	48.0	72.0#
206	18.4	16.0	24.0



#80
Benzo(a)anthracene
Concen: 2.61 ng
RT: 13.79 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BF089023.D
Acq: 15 Jul 2016 18:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.7	22.3	33.5
229	23.2	16.0	24.0

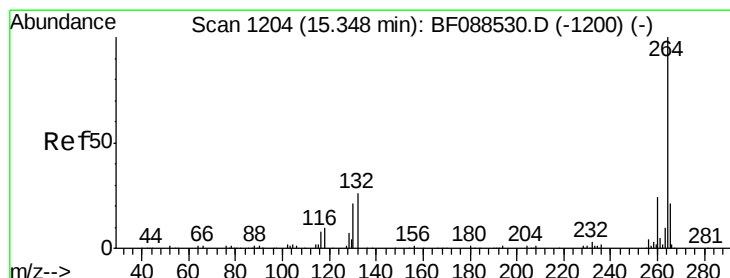
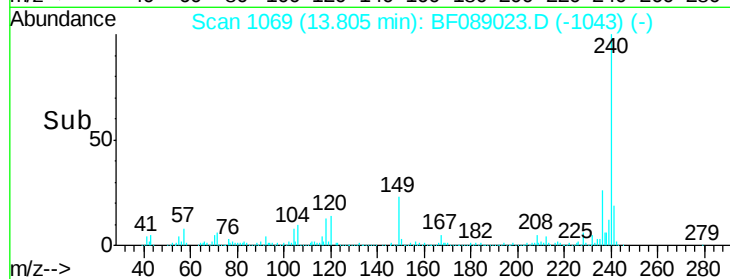
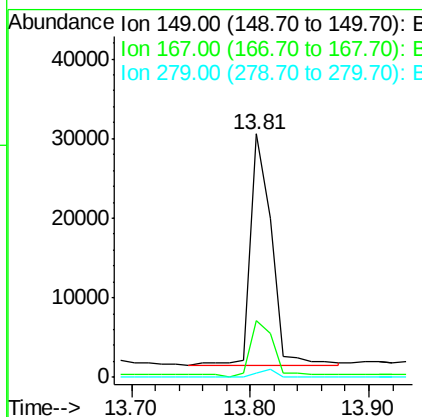
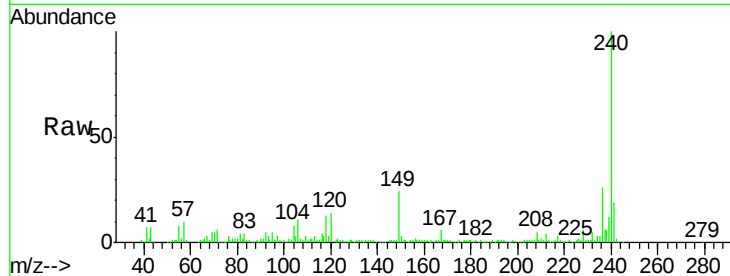




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.97 ng
 RT: 13.81 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: BF089023.D
 Acq: 15 Jul 2016 18:26

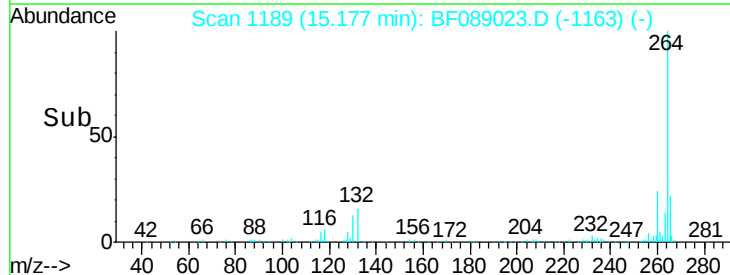
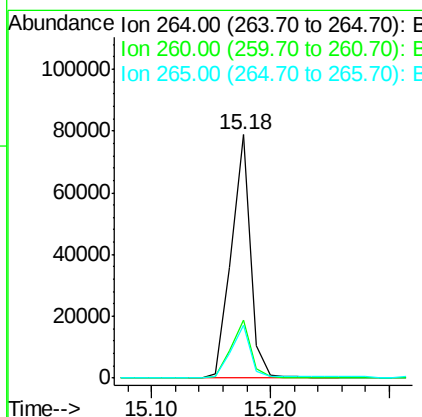
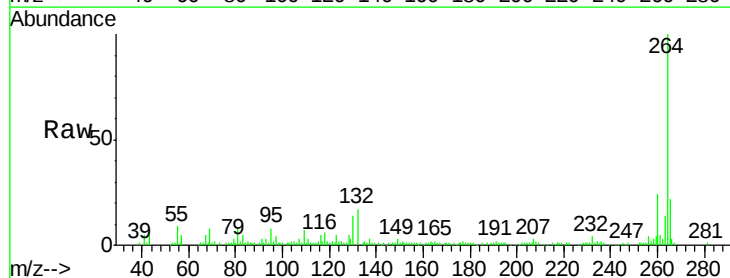
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB01(0-2in)

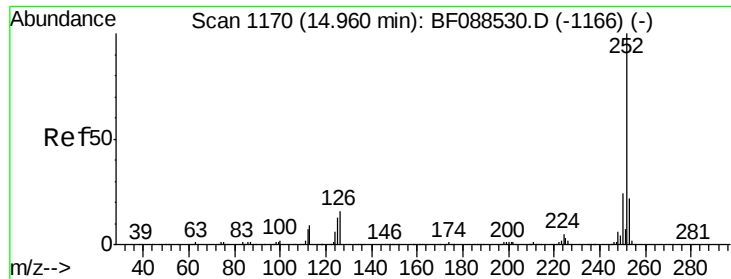
Tot Ion:149 Resp: 35395
 Ion Ratio Lower Upper
 149 100
 167 23.2 20.5 30.7
 279 2.0 2.0 3.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.18 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: BF089023.D
 Acq: 15 Jul 2016 18:26

Tgt Ion:264 Resp: 88154
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.7 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 3.82 ng

RT: 14.80 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BF089023.D

Acq: 15 Jul 2016 18:26

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB01(0-2in)

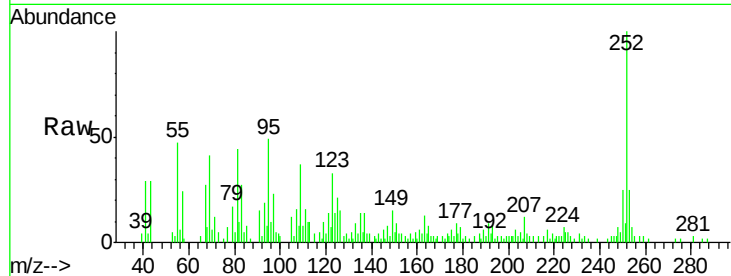
Tot Ion:252 Resp: 21118

Ion Ratio Lower Upper

252 100

253 24.5 17.4 26.2

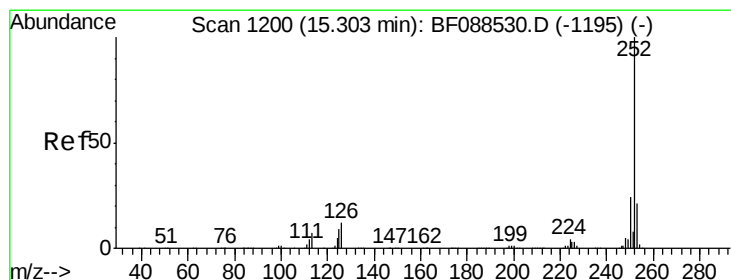
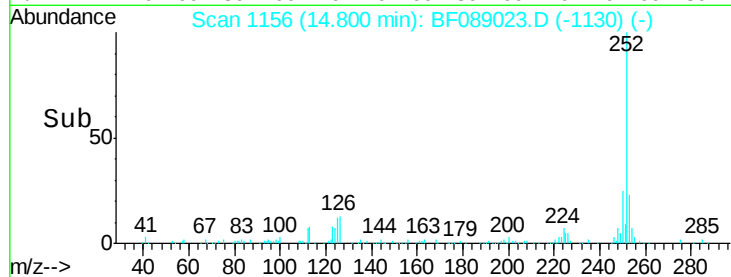
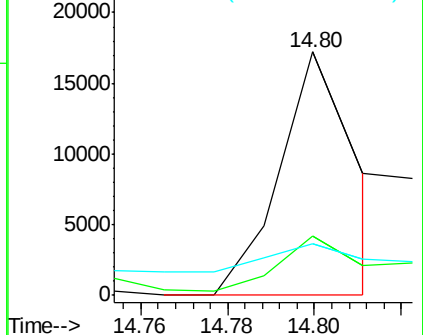
125 21.1 7.1 10.7#



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



#89

Benzo(a)pyrene

Concen: 2.89 ng

RT: 15.12 min Scan# 1184

Delta R.T. 0.00 min

Lab File: BF089023.D

Acq: 15 Jul 2016 18:26

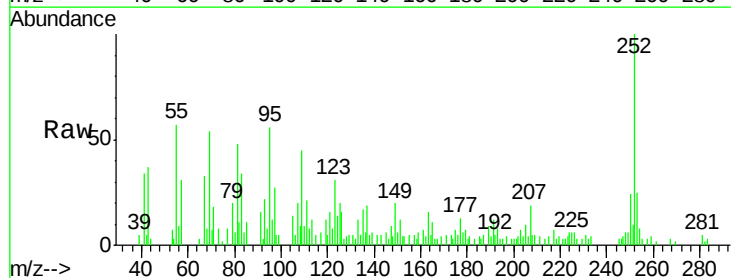
Tgt Ion:252 Resp: 13531

Ion Ratio Lower Upper

252 100

253 25.3 17.9 26.9

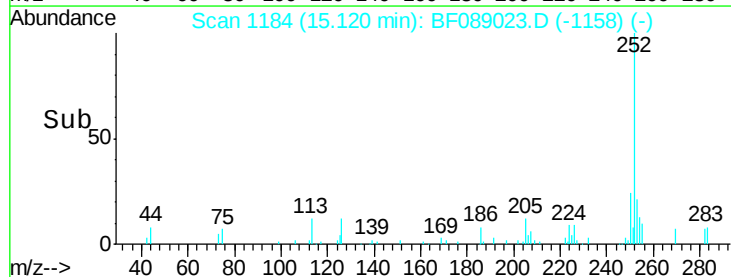
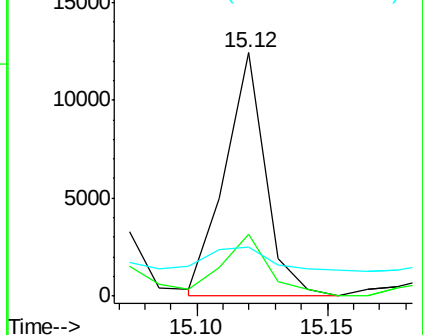
125 20.3 12.5 18.7#

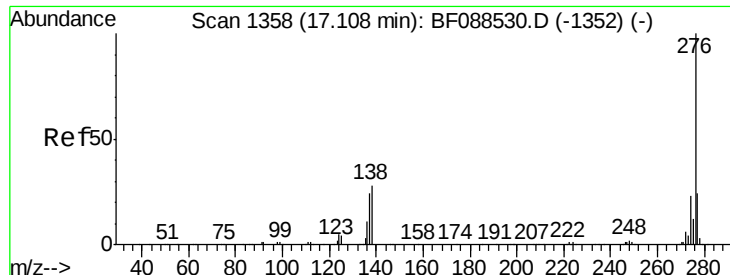


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 3.08 ng

RT: 16.82 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF089023.D

Acq: 15 Jul 2016 18:26

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB01(0-2in)

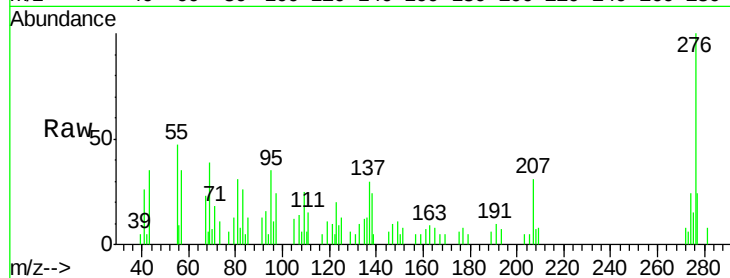
Tot Ion: 276 Resp: 12467

Ion Ratio Lower Upper

276 100

277 24.3 18.9 28.3

138 23.8 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

