

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071516\
 Data File : BF089024.D
 Acq On : 15 Jul 2016 18:57
 Operator : UM/SJ
 Sample : H3951-05 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB02(0-2ft)

Quant Time: Jul 16 01:32:43 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

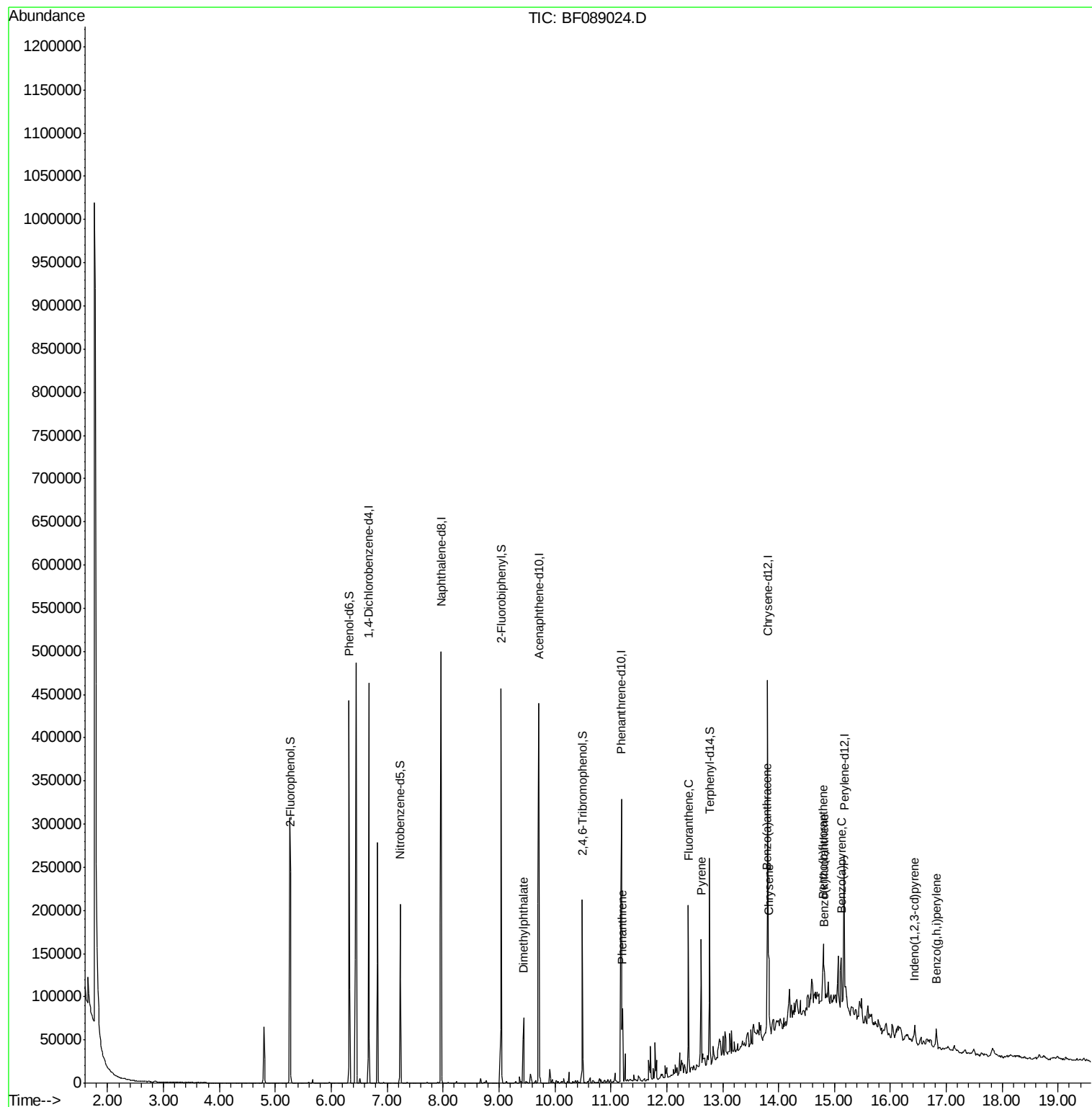
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	60536	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	237579	20.00	ng	0.00
38) Acenaphthene-d10	9.71	164	96799	20.00	ng	0.00
63) Phenanthrene-d10	11.19	188	146814	20.00	ng	0.00
75) Chrysene-d12	13.81	240	108819	20.00	ng	-0.01
86) Perylene-d12	15.18	264	81051	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	112942	27.96	ng	0.00
7) Phenol-d6	6.32	99	139628	26.75	ng	-0.01
23) Nitrobenzene-d5	7.23	82	82561	18.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	17590	19.57	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	127608	20.82	ng	0.00
78) Terphenyl-d14	12.77	244	62666	12.83	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.44	163	40239	5.83	ng	98
70) Phenanthrene	11.21	178	42607	5.31	ng	98
74) Fluoranthene	12.39	202	68151	8.38	ng	98
77) Pyrene	12.62	202	71403	7.74	ng	98
80) Benzo(a)anthracene	13.79	228	38130	5.44	ng	# 90
82) Chrysene	13.83	228	26815m	3.87	ng	
85) Indeno(1,2,3-cd)pyrene	16.43	276	12272	2.30	ng	# 100
87) Benzo(b)fluoranthene	14.80	252	29944m	5.89	ng	
88) Benzo(k)fluoranthene	14.82	252	10969m	2.48	ng	
89) Benzo(a)pyrene	15.12	252	24338	5.65	ng	96
91) Benzo(g,h,i)perylene	16.82	276	18294	4.92	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: BF089024.D

Acq: 15 Jul 2016 18:57

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB02(0-2ft)

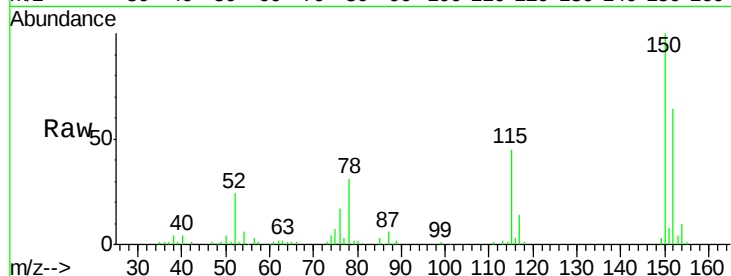
Tot Ion:152 Resp: 60536

Ion Ratio Lower Upper

152 100

150 156.9 123.8 185.6

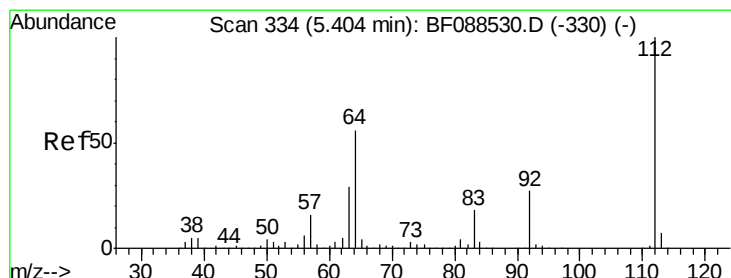
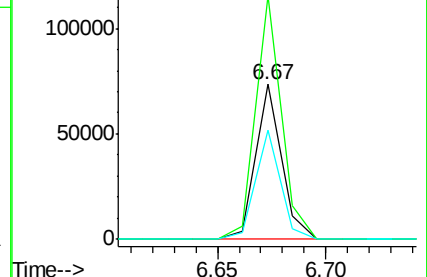
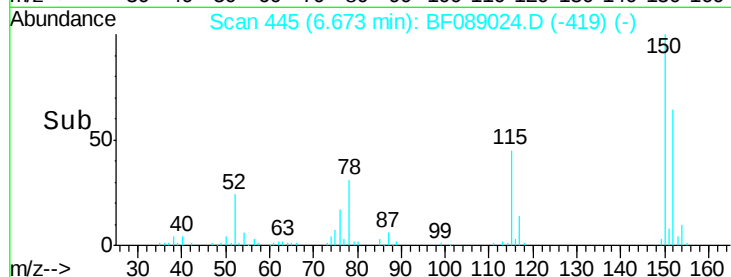
115 70.6 39.6 59.4#



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: 27.96 ng

RT: 5.27 min Scan# 322

Delta R.T. 0.00 min

Lab File: BF089024.D

Acq: 15 Jul 2016 18:57

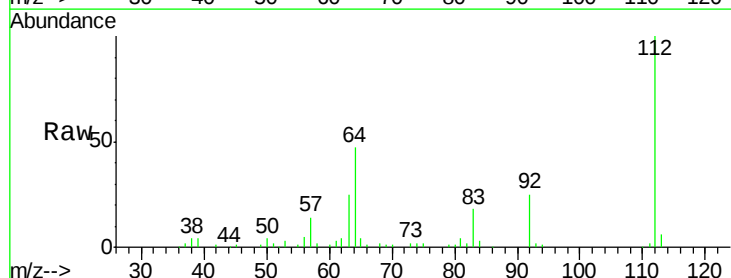
Tgt Ion:112 Resp: 112942

Ion Ratio Lower Upper

112 100

64 47.4 42.2 63.2

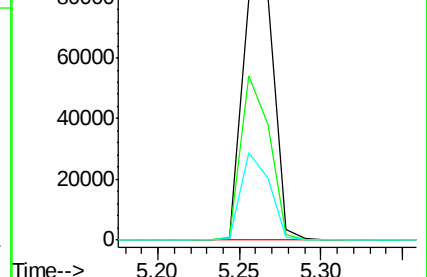
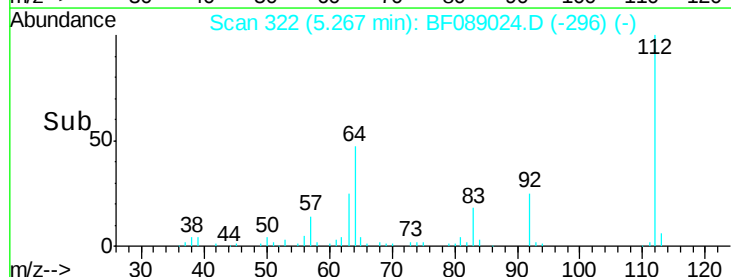
63 25.4 21.8 32.8



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: 26.75 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF089024.D

Acq: 15 Jul 2016 18:57

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB02(0-2ft)

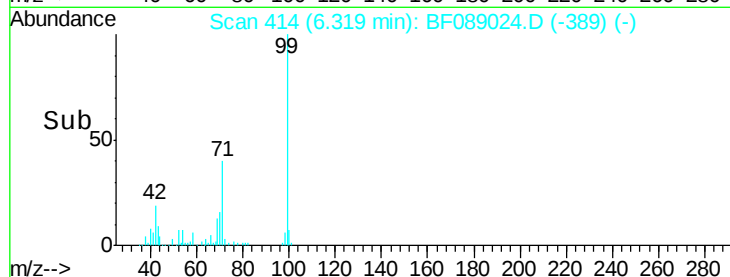
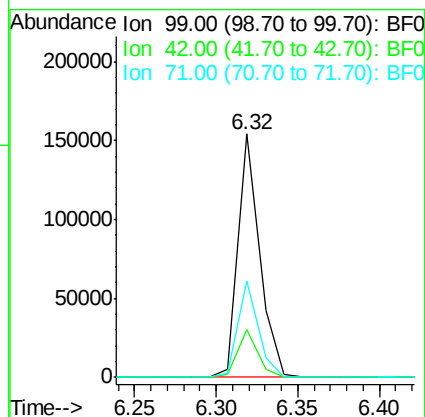
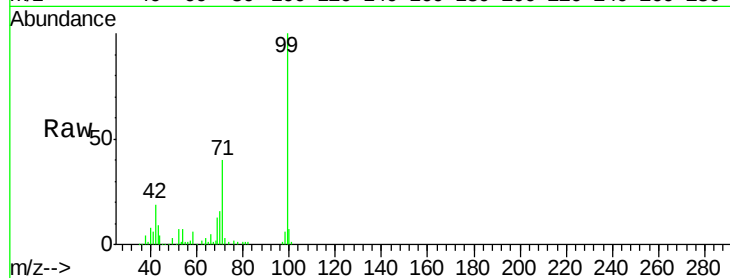
Tot Ion: 99 Resp: 139628

Ion Ratio Lower Upper

99 100

42 19.4 12.2 18.2#

71 39.8 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: BF089024.D

Acq: 15 Jul 2016 18:57

Tgt Ion: 136 Resp: 237579

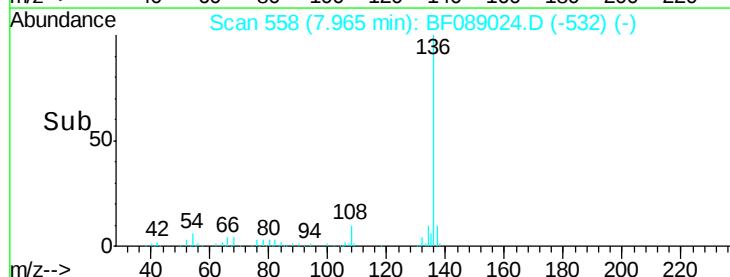
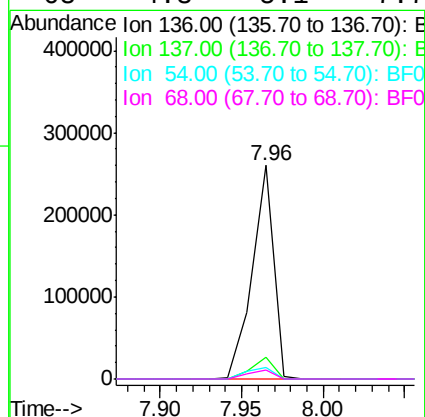
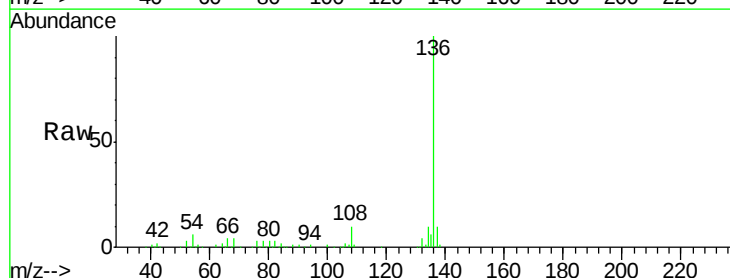
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.7 6.6 10.0#

68 4.3 5.1 7.7#

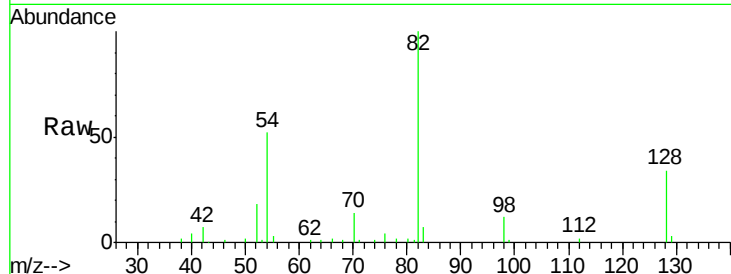




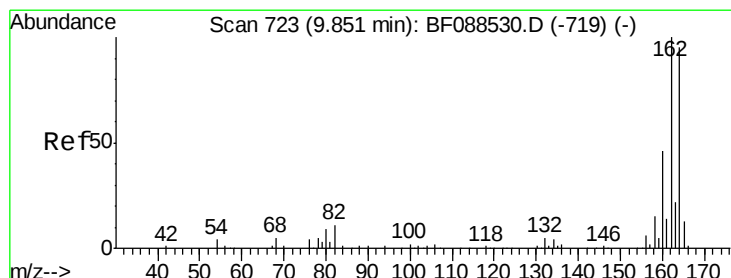
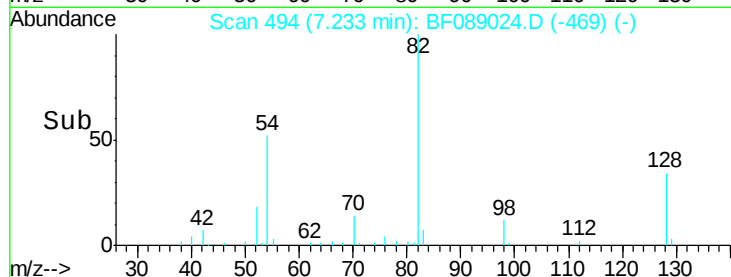
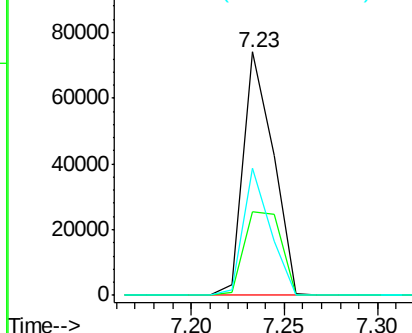
#23
 Nitrobenzene-d5
 Concen: 18.21 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: BF089024.D
 Acq: 15 Jul 2016 18:57

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB02(0-2ft)

Tot Ion: 82 Resp: 82561
 Ion Ratio Lower Upper
 82 100
 128 34.3 35.9 53.9#
 54 52.1 40.9 61.3

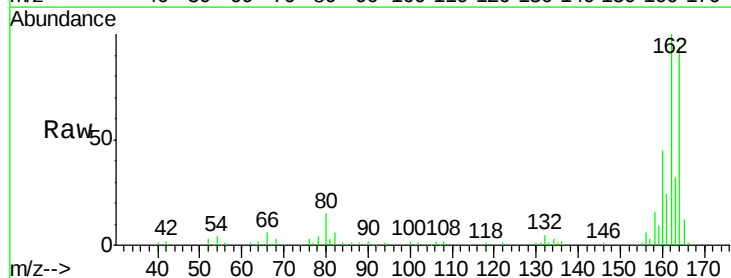


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

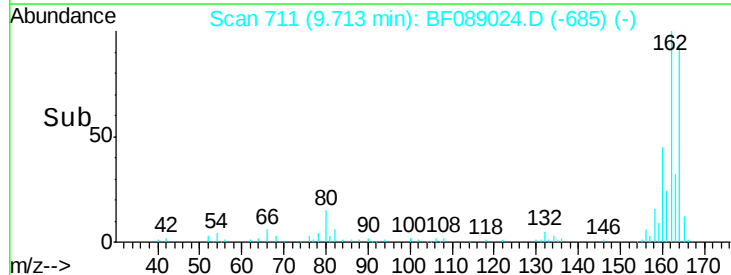
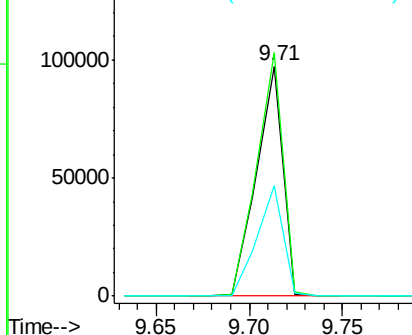


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: BF089024.D
 Acq: 15 Jul 2016 18:57

Tgt Ion: 164 Resp: 96799
 Ion Ratio Lower Upper
 164 100
 162 106.0 85.4 128.2
 160 47.9 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

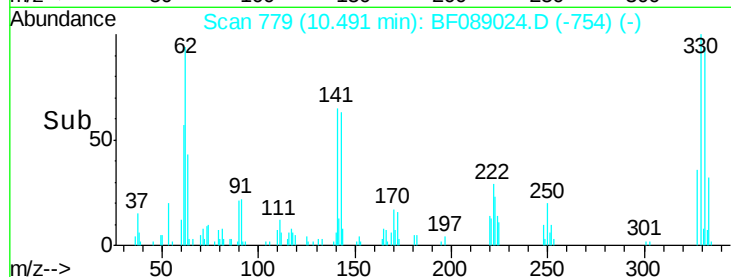
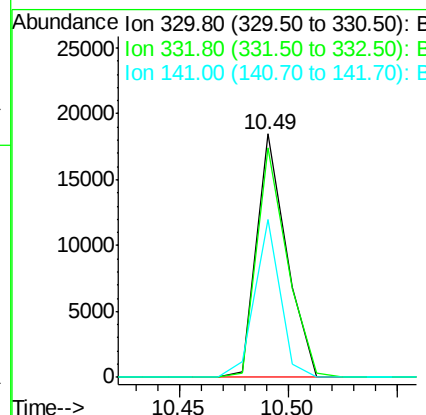
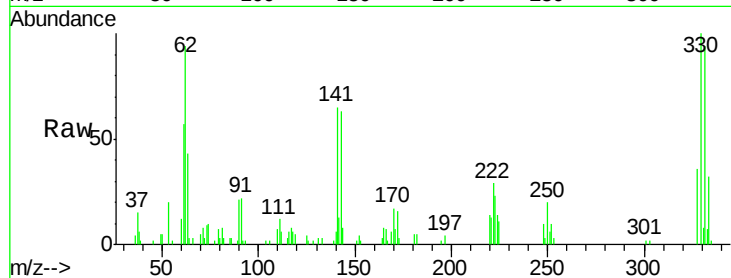




#41
 2,4,6-Tribromophenol
 Concen: 19.57 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF089024.D
 Acq: 15 Jul 2016 18:57

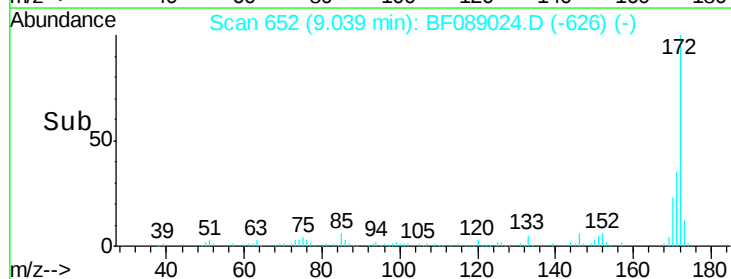
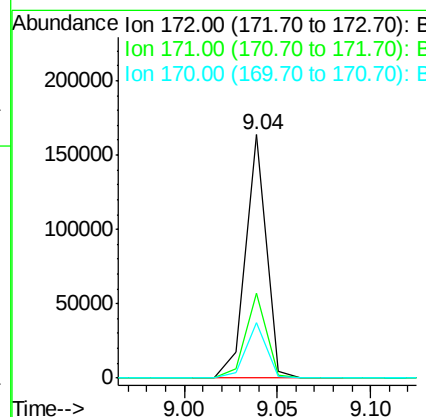
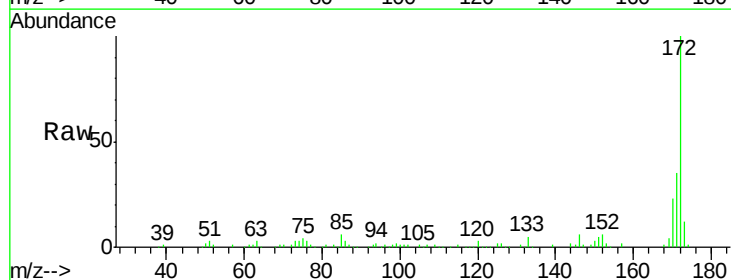
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB02(0-2ft)

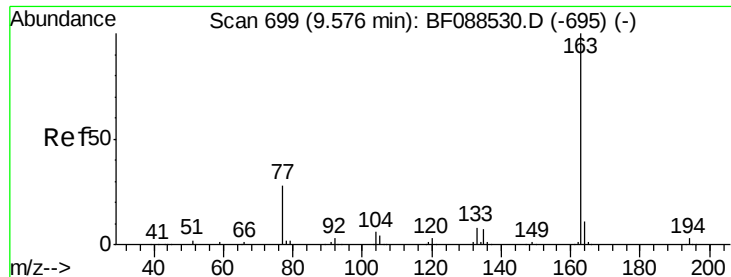
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	0.0	0.0#
141	55.0	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 20.82 ng
 RT: 9.04 min Scan# 652
 Delta R.T. 0.00 min
 Lab File: BF089024.D
 Acq: 15 Jul 2016 18:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	43.0
170	22.8	19.2	28.8

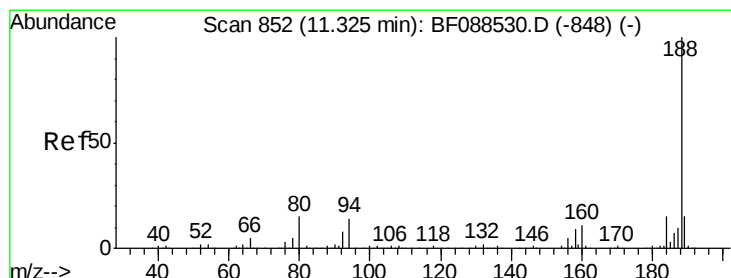
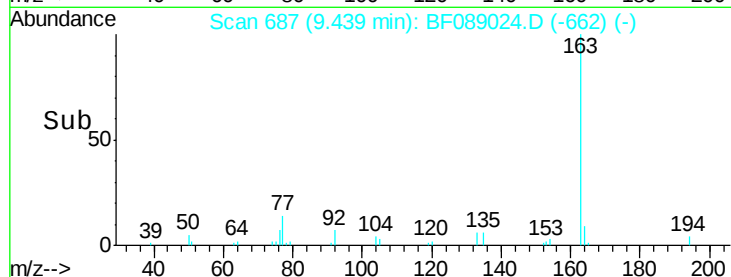
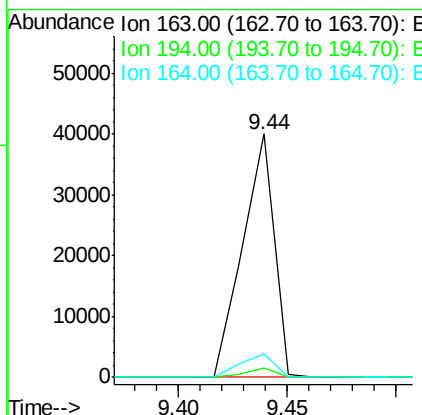
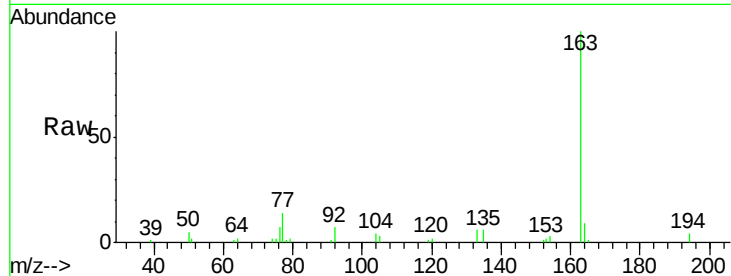




#49
Dimethylphthalate
Concen: 5.83 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF089024.D
Acq: 15 Jul 2016 18:57

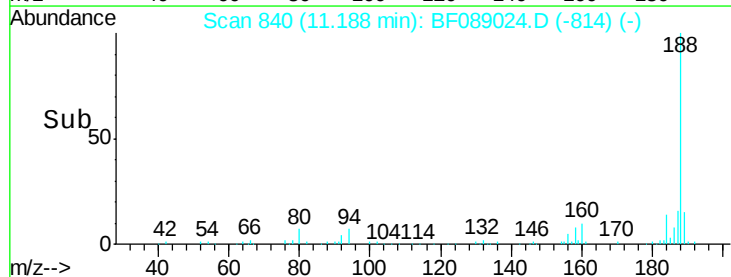
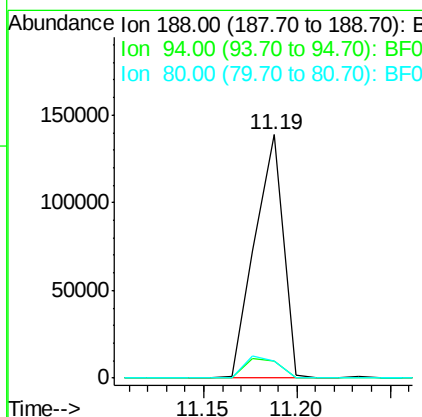
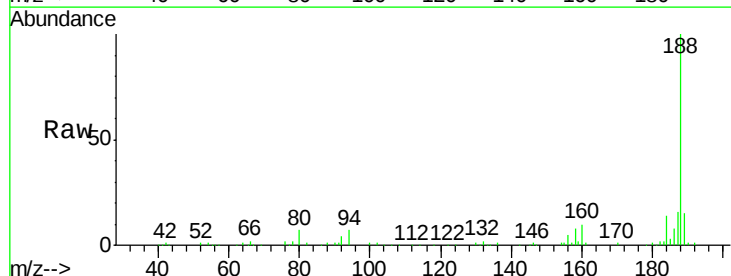
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB02(0-2ft)

Tot Ion:163 Resp: 40239
Ion Ratio Lower Upper
163 100
194 4.0 2.8 4.2
164 9.5 8.3 12.5



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF089024.D
Acq: 15 Jul 2016 18:57

Tgt Ion:188 Resp: 146814
Ion Ratio Lower Upper
188 100
94 6.8 9.0 13.6#
80 7.2 10.0 15.0#

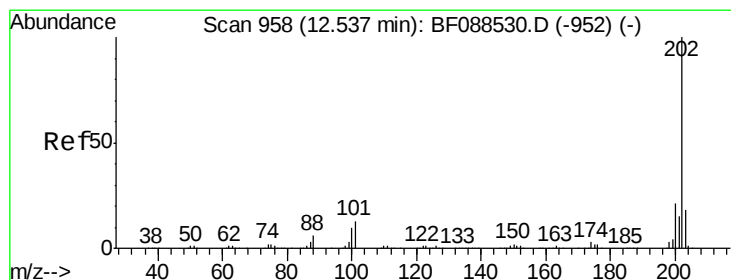
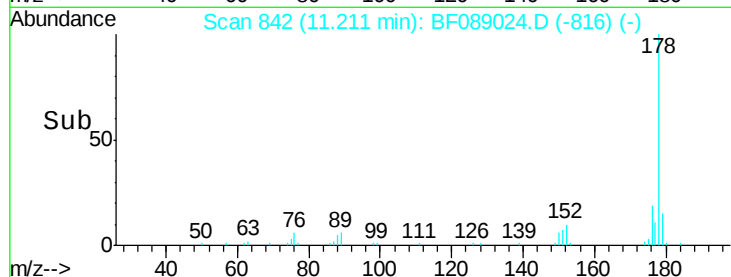
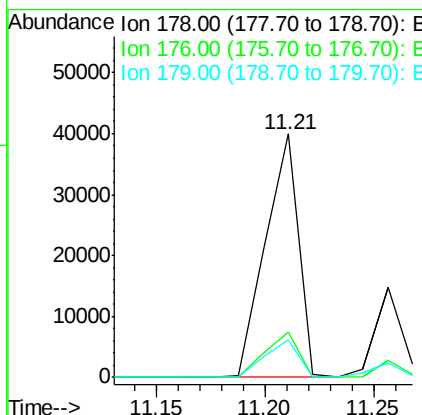
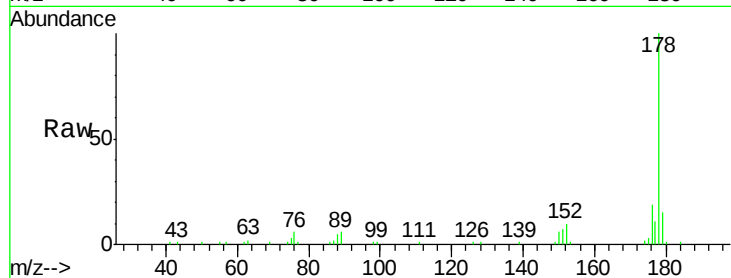




#70
Phenanthrene
Concen: 5.31 ng
RT: 11.21 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF089024.D
Acq: 15 Jul 2016 18:57

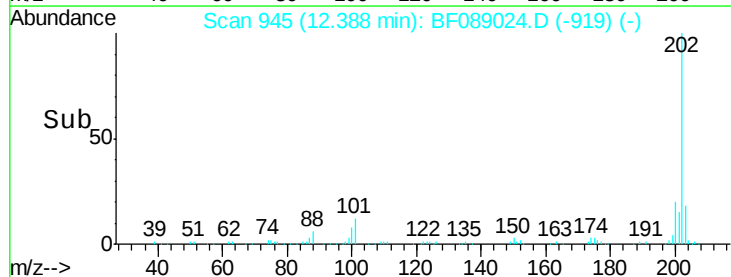
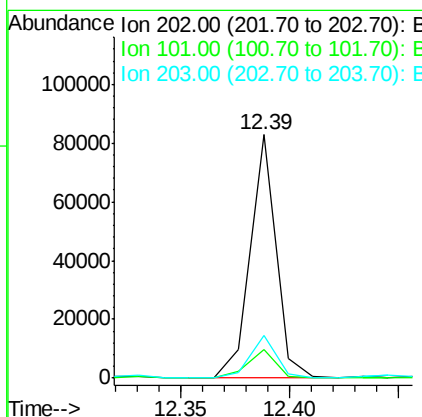
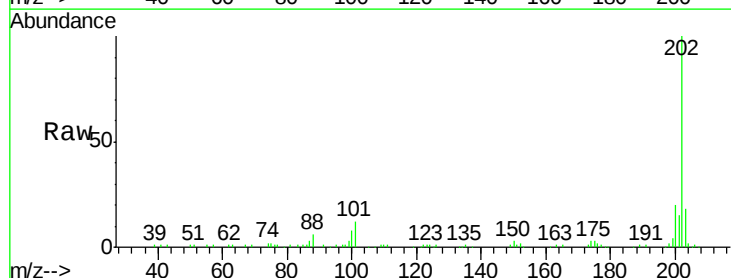
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB02(0-2ft)

Tot Ion:178 Resp: 42607
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.6
179 15.2 13.0 19.4



#74
Fluoranthene
Concen: 8.38 ng
RT: 12.39 min Scan# 945
Delta R.T. 0.00 min
Lab File: BF089024.D
Acq: 15 Jul 2016 18:57

Tgt Ion:202 Resp: 68151
Ion Ratio Lower Upper
202 100
101 11.9 0.0 33.1
203 17.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.01 min

Lab File: BF089024.D

Acq: 15 Jul 2016 18:57

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB02(0-2ft)

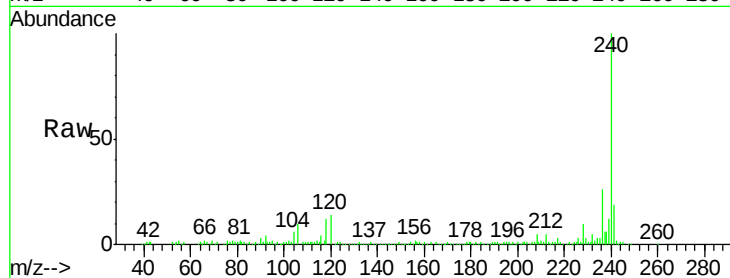
Tot Ion:240 Resp: 108819

Ion Ratio Lower Upper

240 100

120 13.6 6.8 10.2#

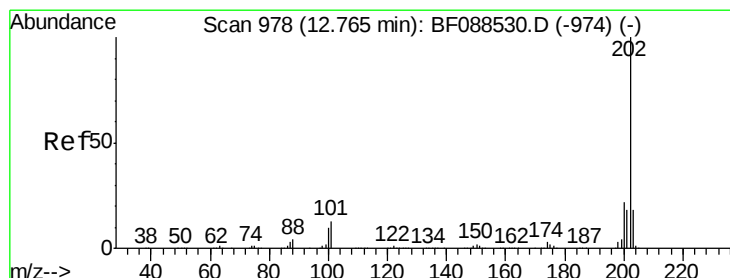
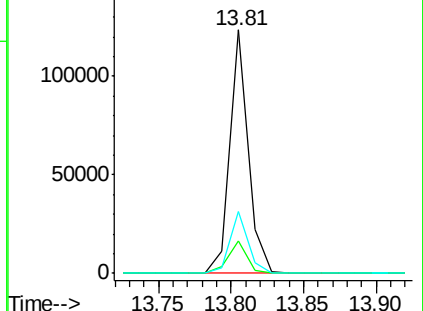
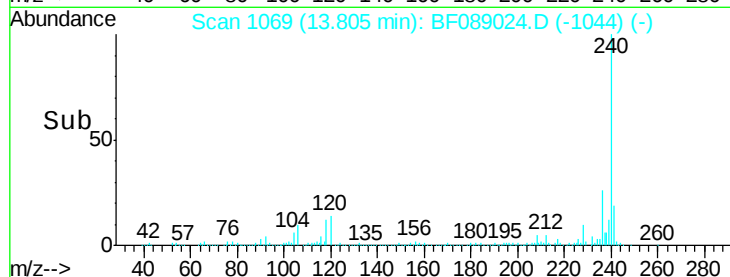
236 25.6 20.2 30.2



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: 7.74 ng

RT: 12.62 min Scan# 965

Delta R.T. 0.00 min

Lab File: BF089024.D

Acq: 15 Jul 2016 18:57

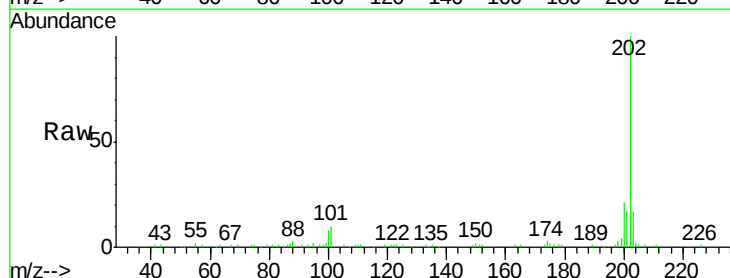
Tgt Ion:202 Resp: 71403

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

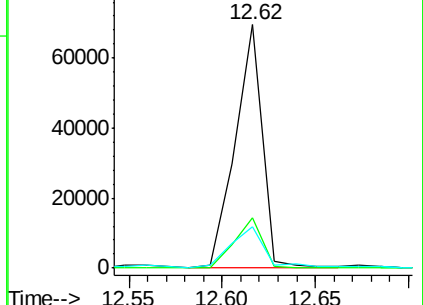
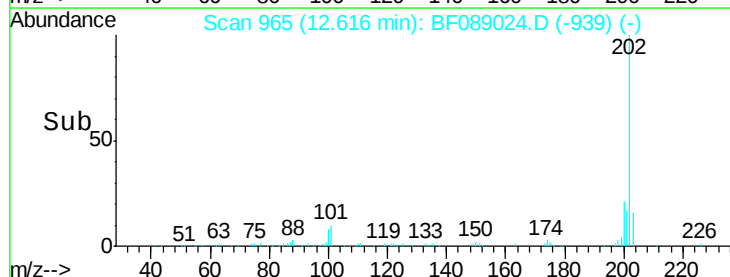
203 17.0 14.5 21.7

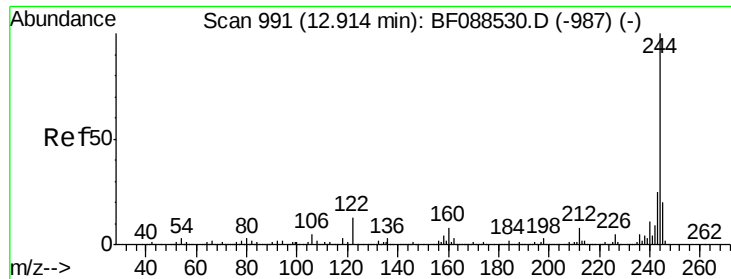


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

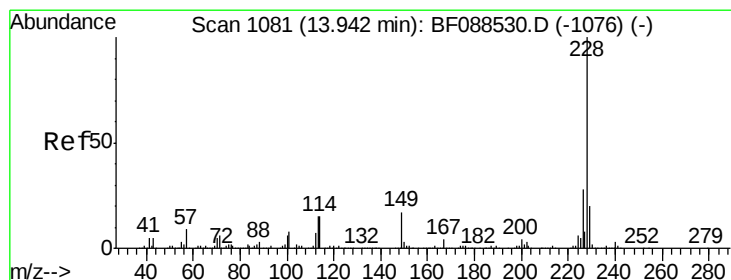
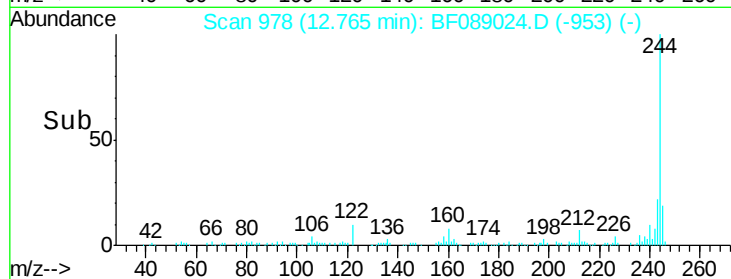
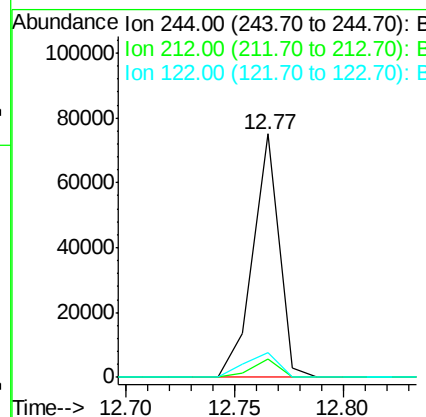
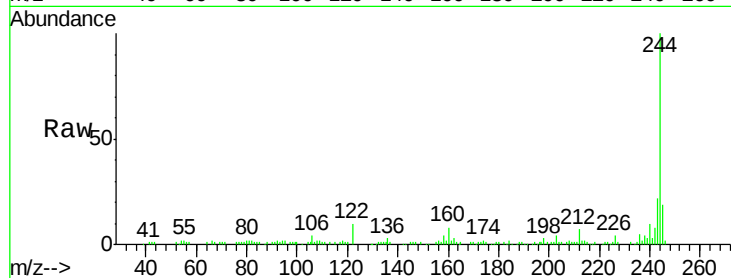




#78
 Terphenyl-d14
 Concen: 12.83 ng
 RT: 12.77 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: BF089024.D
 Acq: 15 Jul 2016 18:57

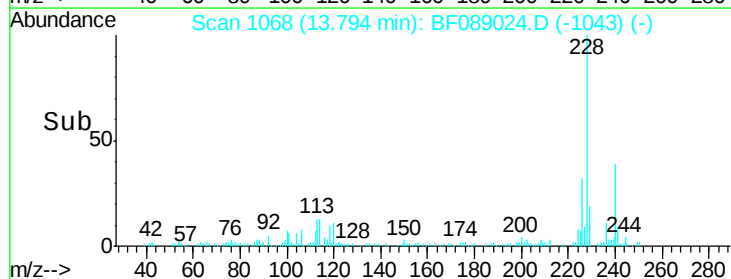
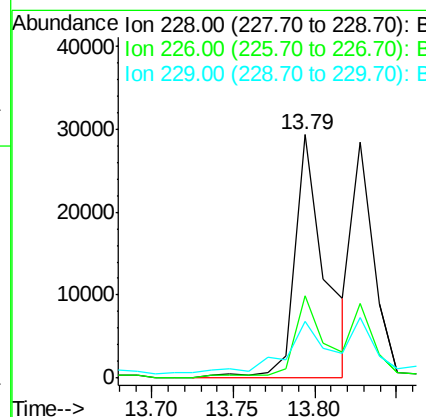
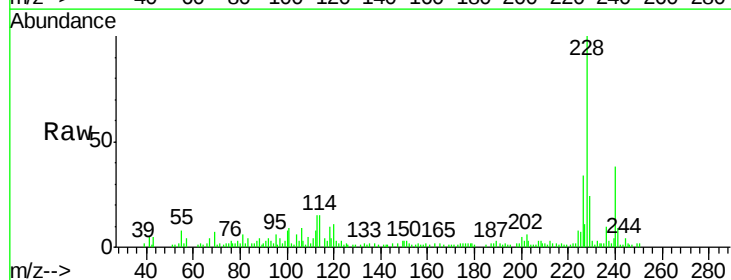
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB02(0-2ft)

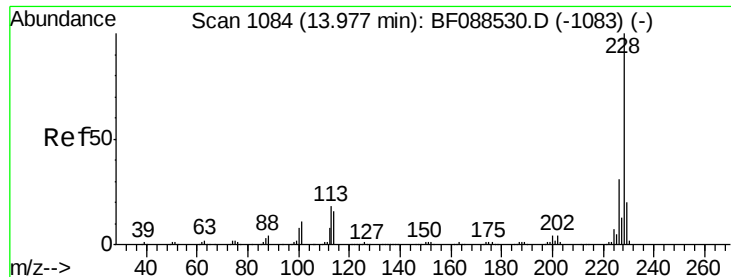
Tot Ion:244 Resp: 62666
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 10.2 11.2 16.8#



#80
 Benzo(a)anthracene
 Concen: 5.44 ng
 RT: 13.79 min Scan# 1068
 Delta R.T. -0.01 min
 Lab File: BF089024.D
 Acq: 15 Jul 2016 18:57

Tgt Ion:228 Resp: 38130
 Ion Ratio Lower Upper
 228 100
 226 33.7 22.3 33.5#
 229 23.5 16.0 24.0

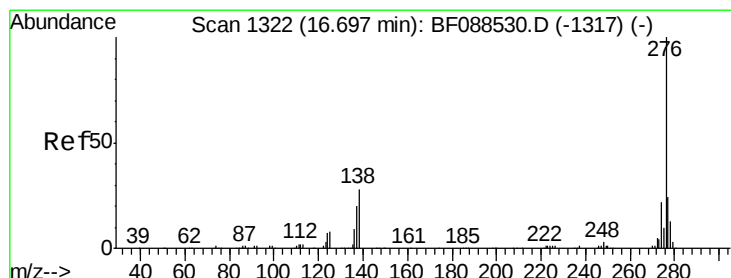
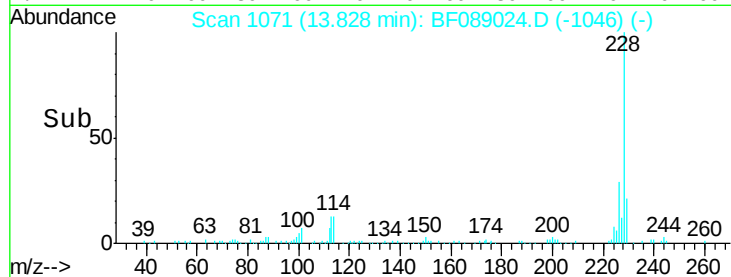
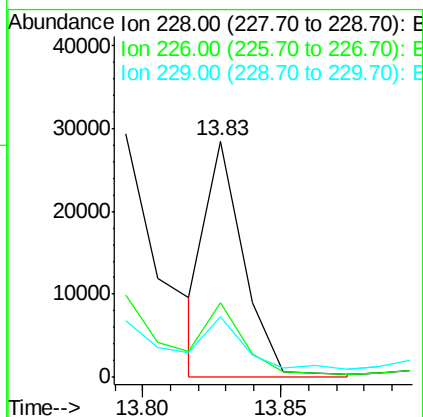
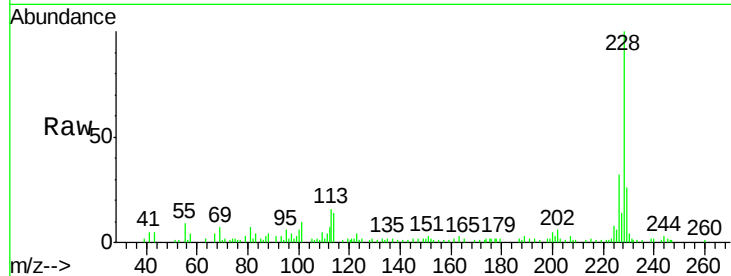




#82
Chrysene
Concen: 3.87 ng/ml
RT: 13.83 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BF089024.D
Acq: 15 Jul 2016 18:57

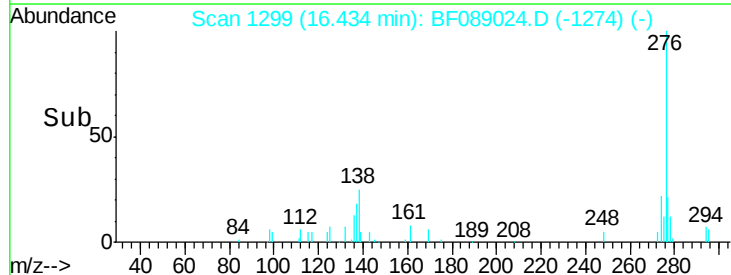
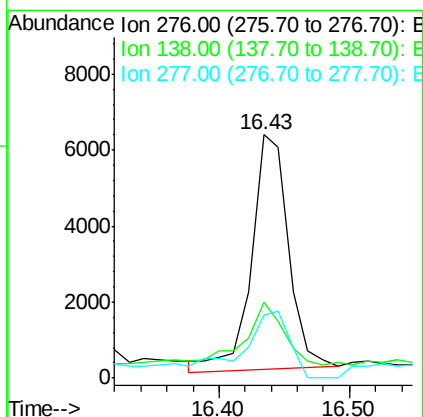
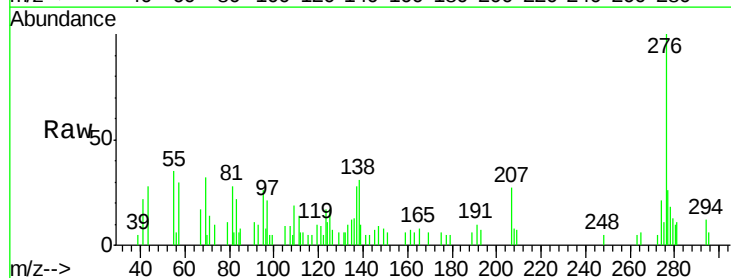
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB02(0-2ft)

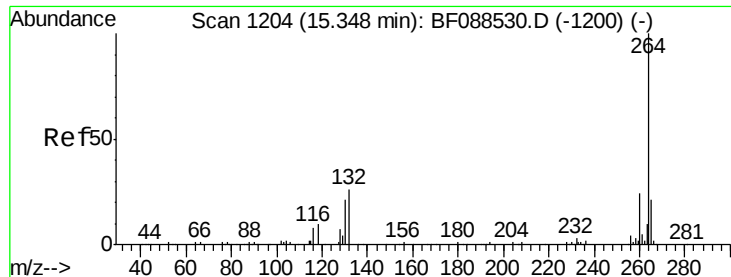
Tot Ion: 228 Resp: 26815
Ion Ratio Lower Upper
228 100
226 31.5 25.4 38.2
229 25.8 16.3 24.5#



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.30 ng/ml
RT: 16.43 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF089024.D
Acq: 15 Jul 2016 18:57

Tgt Ion: 276 Resp: 12272
Ion Ratio Lower Upper
276 100
138 29.4 0.0 0.0#
277 36.4 0.0 0.0#

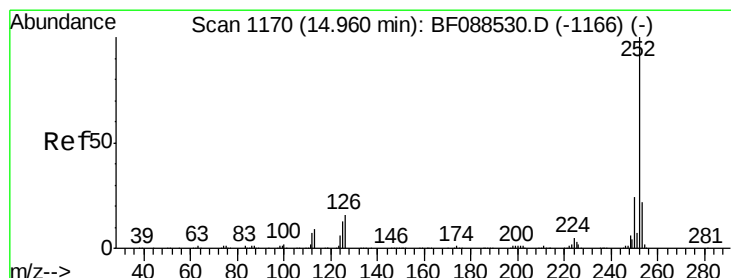
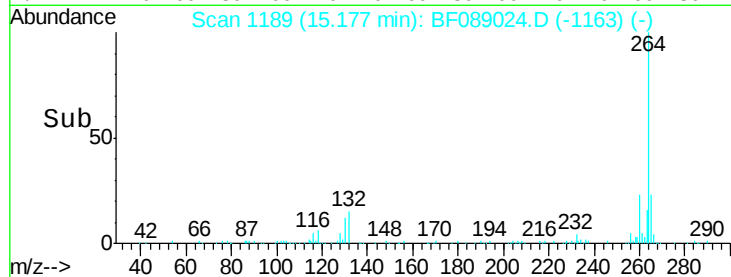
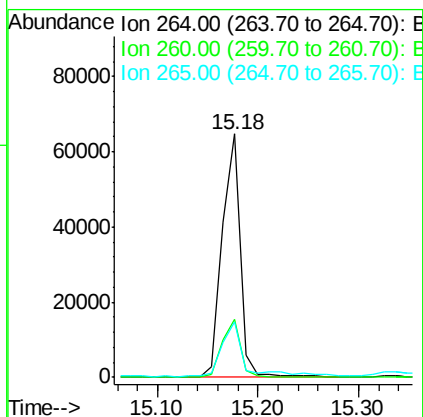
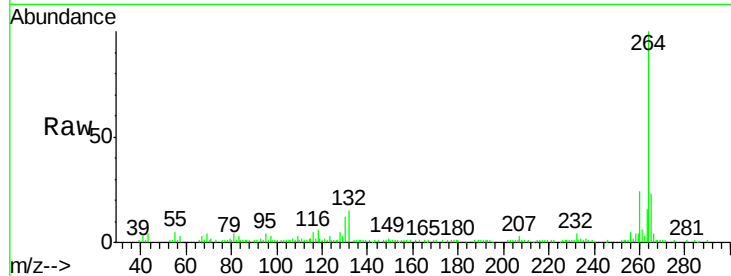




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1189
Delta R.T. 0.00 min
Lab File: BF089024.D
Acq: 15 Jul 2016 18:57

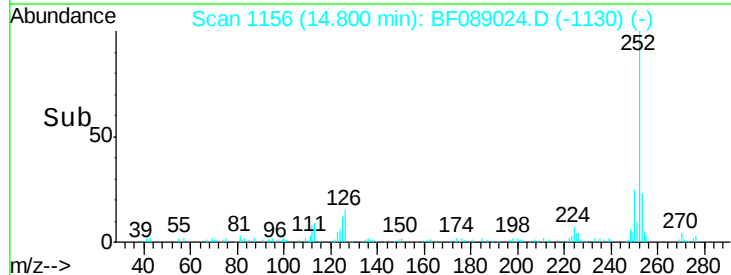
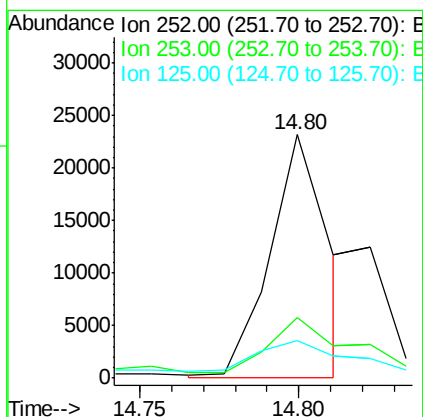
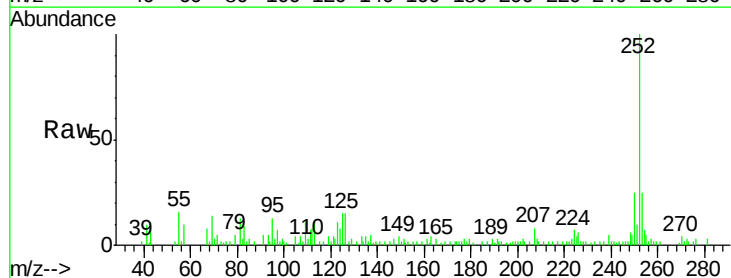
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB02(0-2ft)

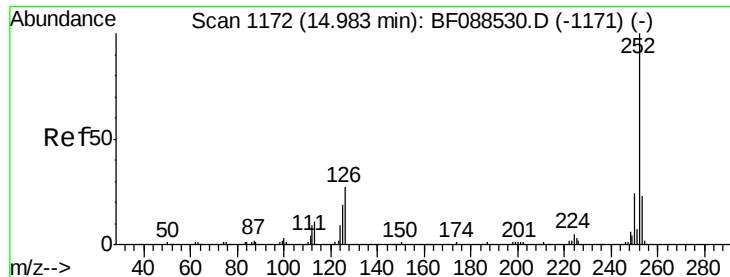
Tot Ion:264 Resp: 81051
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 22.8 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 5.89 ng m
RT: 14.80 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BF089024.D
Acq: 15 Jul 2016 18:57

Tgt Ion:252 Resp: 29944
Ion Ratio Lower Upper
252 100
253 25.0 17.4 26.2
125 15.2 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 2.48 ng

RT: 14.82 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BF089024.D

Acq: 15 Jul 2016 18:57

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB02(0-2ft)

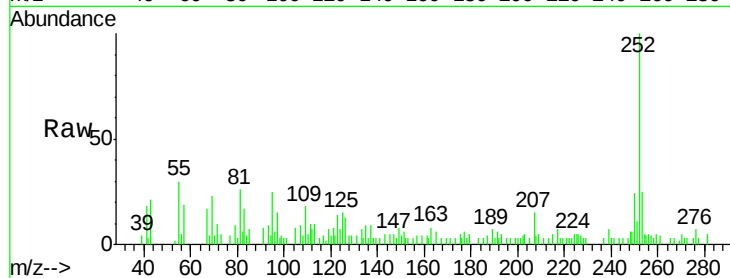
Tot Ion:252 Resp: 10969

Ion Ratio Lower Upper

252 100

253 25.5 18.0 27.0

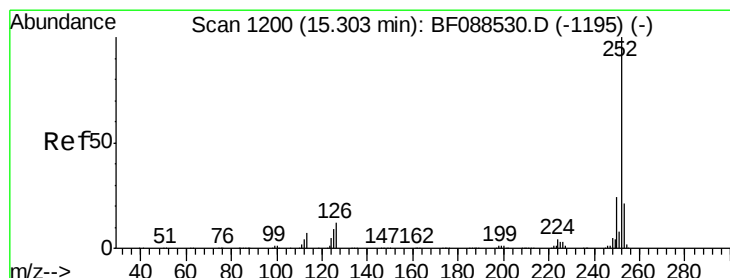
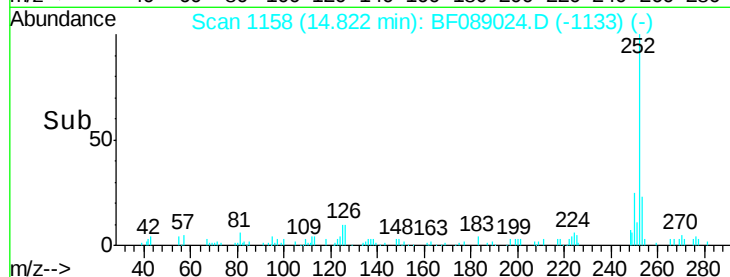
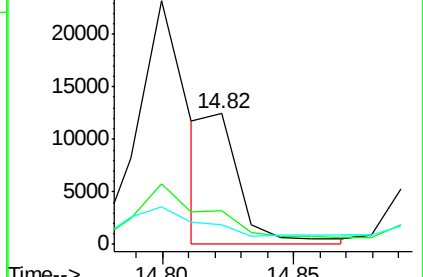
125 15.5 11.2 16.8



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: 5.65 ng

RT: 15.12 min Scan# 1184

Delta R.T. 0.00 min

Lab File: BF089024.D

Acq: 15 Jul 2016 18:57

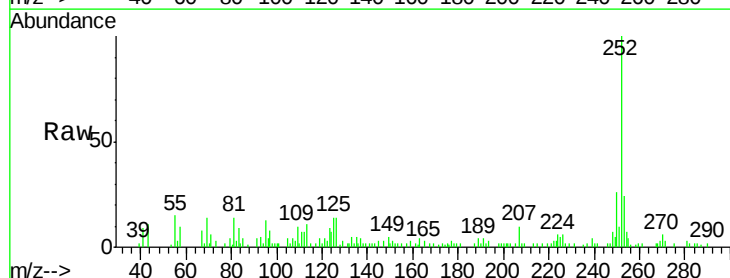
Tgt Ion:252 Resp: 24338

Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

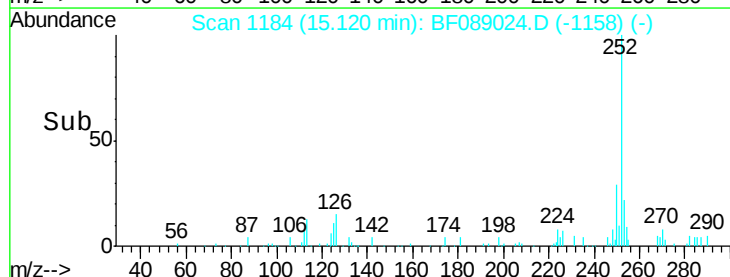
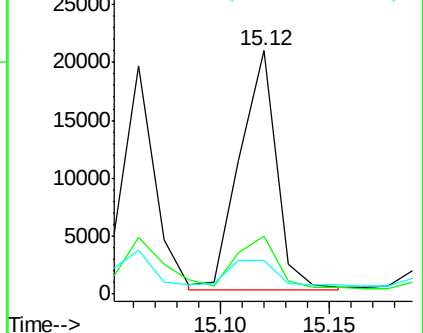
125 13.8 12.5 18.7

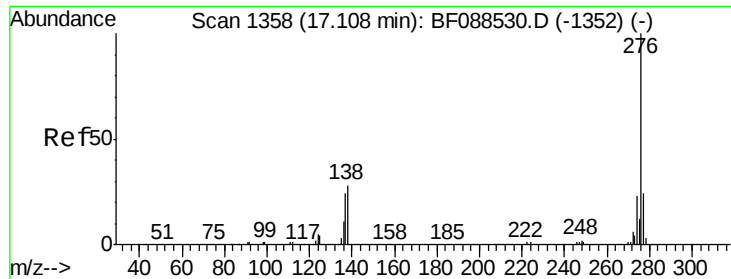


Abundance Ion 252.00 (251.70 to 252.70): E

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: 4.92 ng
 RT: 16.82 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF089024.D
 Acq: 15 Jul 2016 18:57

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB02(0-2ft)

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.9	28.3
138	27.0	21.4	32.2

