

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071516\
 Data File : BF089026.D
 Acq On : 15 Jul 2016 19:59
 Operator : UM/SJ
 Sample : H3951-14 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB05(0-2ft)

Quant Time: Jul 15 23:00:04 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

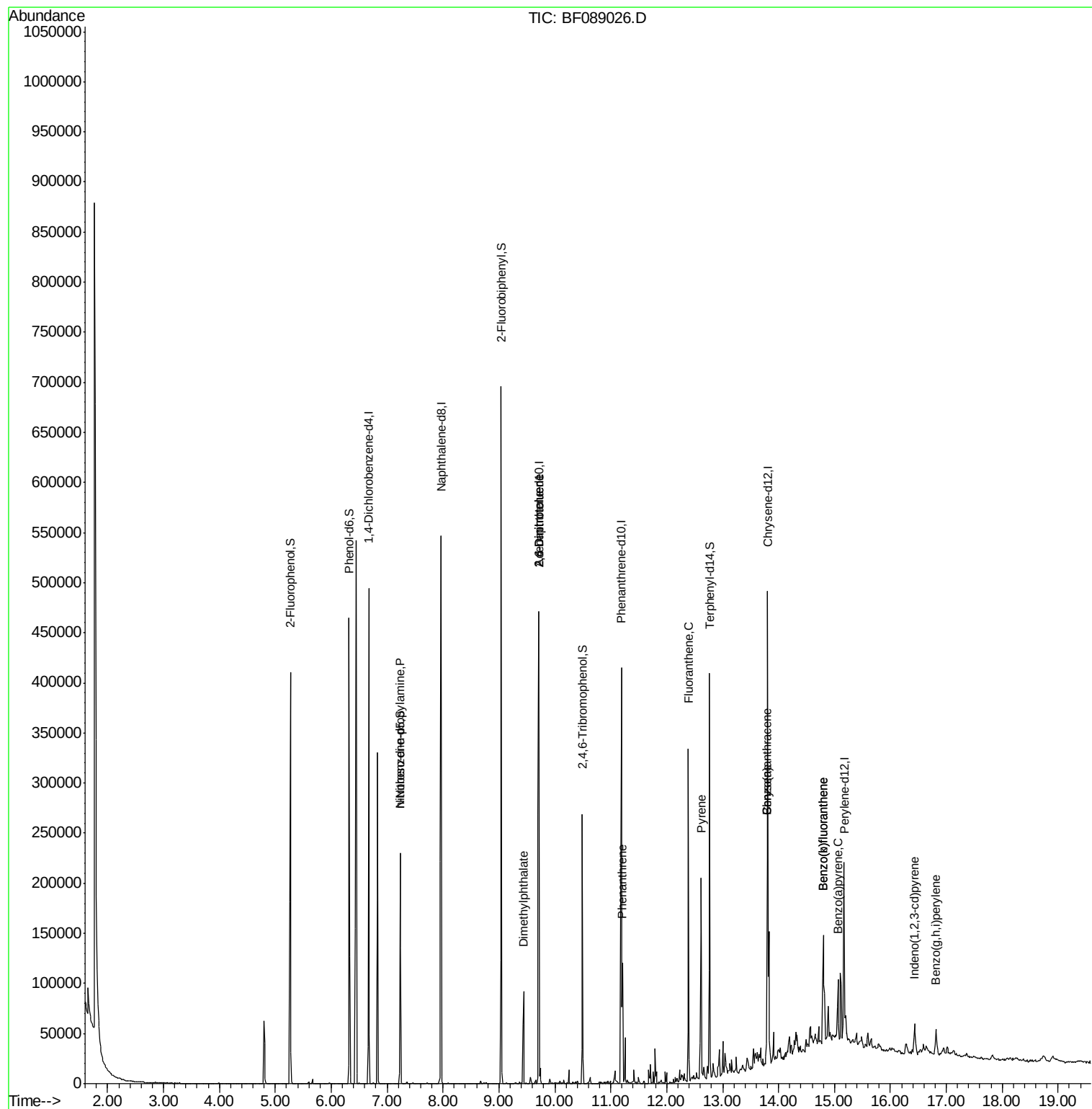
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	64282	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	267938	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	109300	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	174743	20.00	ng	-0.03
75) Chrysene-d12	13.81	240	116276	20.00	ng	-0.05
86) Perylene-d12	15.18	264	86641	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	125161	29.18	ng	-0.02
7) Phenol-d6	6.32	99	149767	27.02	ng	-0.03
23) Nitrobenzene-d5	7.23	82	92328	18.06	ng	-0.05
41) 2,4,6-Tribromophenol	10.49	330	22913	22.58	ng	-0.05
44) 2-Fluorobiphenyl	9.04	172	198253	28.65	ng	-0.03
78) Terphenyl-d14	12.77	244	113013	21.65	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.23	70	12283	3.30	ng	# 78
49) Dimethylphthalate	9.44	163	49727	6.39	ng	98
50) 2,6-Dinitrotoluene	9.71	165	14150	8.20	ng	# 37
56) 2,4-Dinitrotoluene	9.71	165	14150	6.27	ng	# 36
70) Phenanthrene	11.21	178	57432	6.01	ng	98
74) Fluoranthene	12.39	202	117492	12.13	ng	97
77) Pyrene	12.62	202	100719	10.22	ng	97
80) Benzo(a)anthracene	13.79	228	57221	7.64	ng	97
82) Chrysene	13.79	228	57221	7.72	ng	98
85) Indeno(1,2,3-cd)pyrene	16.43	276	19281	3.38	ng	# 100
87) Benzo(b)fluoranthene	14.80	252	68426	12.59	ng	# 93
88) Benzo(k)fluoranthene	14.80	252	68426	14.46	ng	98
89) Benzo(a)pyrene	15.06	252	23535	5.11	ng	97
91) Benzo(g,h,i)perylene	16.81	276	17494	4.40	ng	95

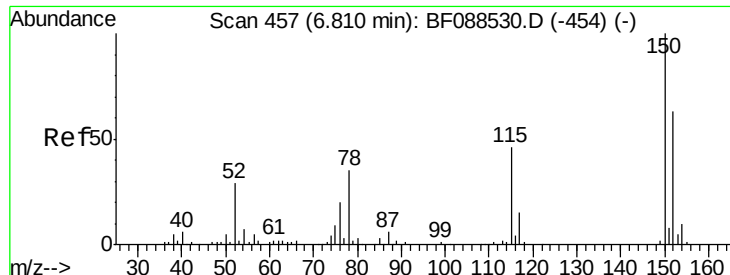
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF089026.D

Acq: 15 Jul 2016 19:59

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB05(0-2ft)

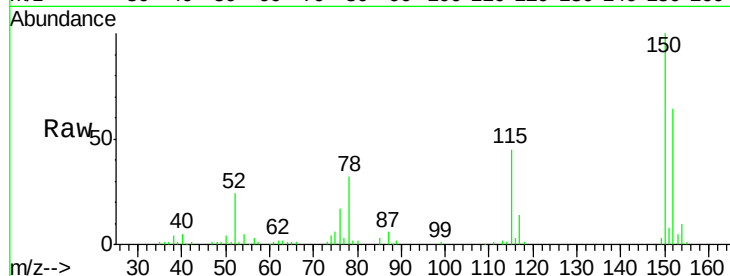
Tgt Ion:152 Resp: 64282

Ion Ratio Lower Upper

152 100

150 156.5 123.8 185.6

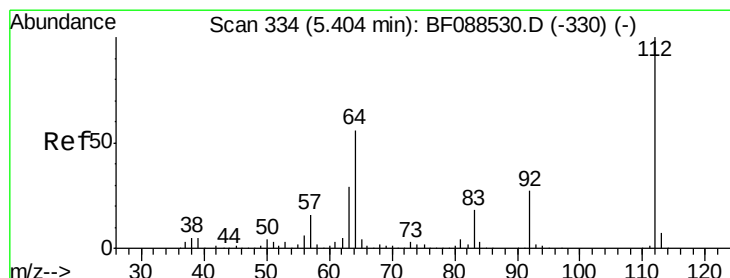
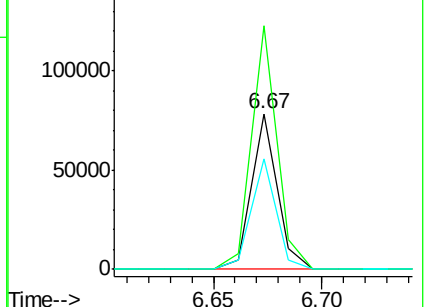
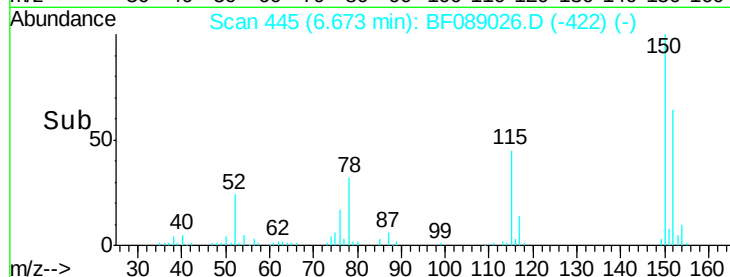
115 70.8 39.6 59.4#



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: 29.18 ng

RT: 5.27 min Scan# 322

Delta R.T. -0.02 min

Lab File: BF089026.D

Acq: 15 Jul 2016 19:59

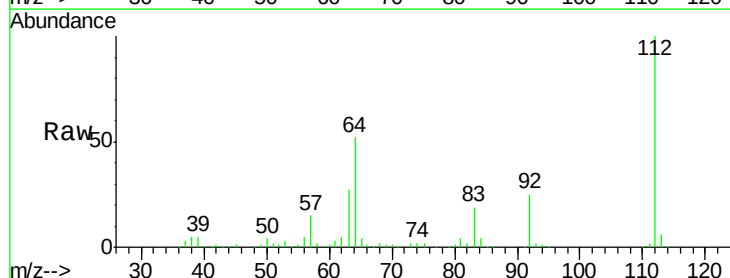
Tgt Ion:112 Resp: 125161

Ion Ratio Lower Upper

112 100

64 51.7 42.2 63.2

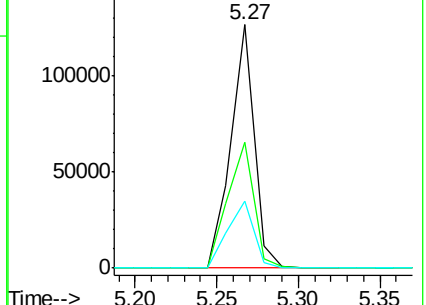
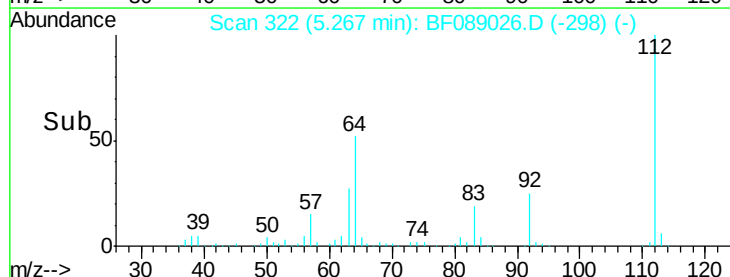
63 27.4 21.8 32.8

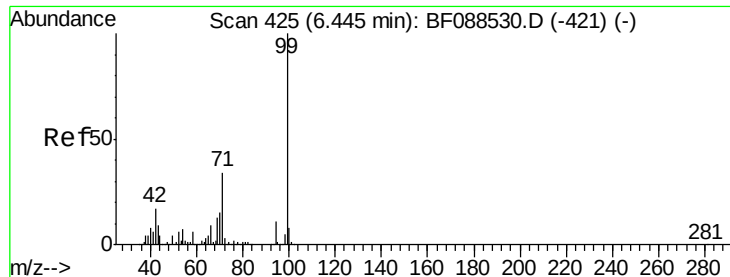


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 27.02 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.03 min

Lab File: BF089026.D

Acq: 15 Jul 2016 19:59

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB05(0-2ft)

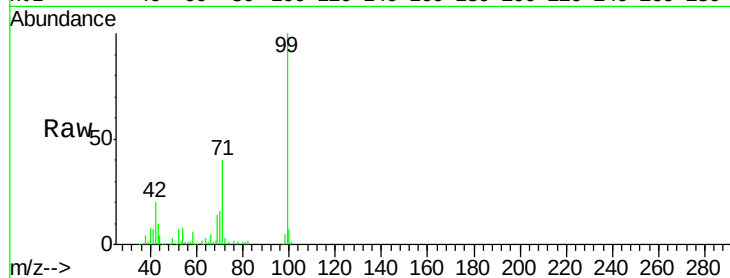
Tgt Ion: 99 Resp: 149767

Ion Ratio Lower Upper

99 100

42 19.5 12.2 18.2#

71 40.1 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

6.32

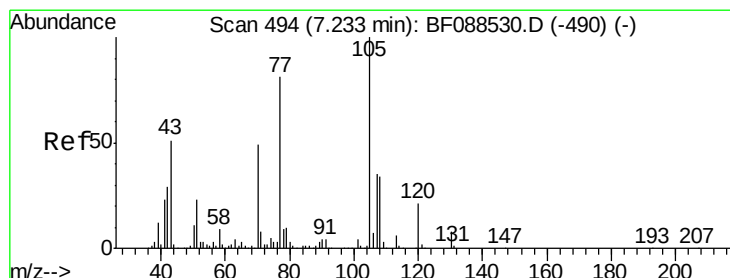
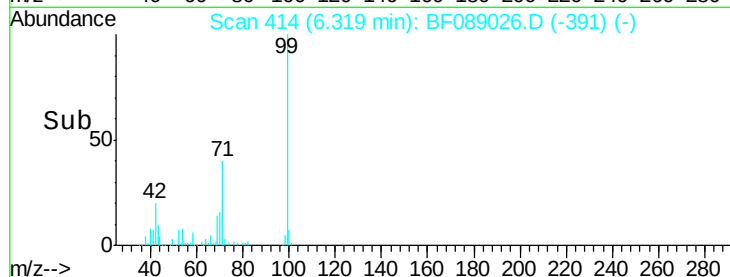
150000

100000

50000

0

Time--> 6.25 6.30 6.35 6.40



#19

n-Nitroso-di-n-propylamine

Concen: 3.30 ng

RT: 7.23 min Scan# 494

Delta R.T. 0.09 min

Lab File: BF089026.D

Acq: 15 Jul 2016 19:59

Tgt Ion: 70 Resp: 12283

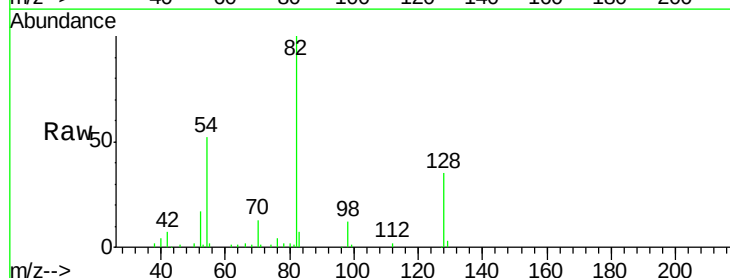
Ion Ratio Lower Upper

70 100

42 50.2 49.6 74.4

101 0.0 7.1 10.7#

130 0.0 15.4 23.2#



Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

7.23

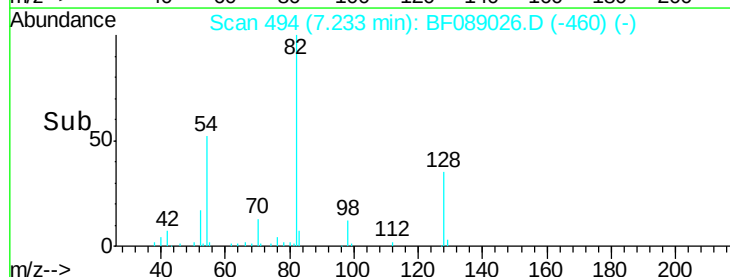
15000

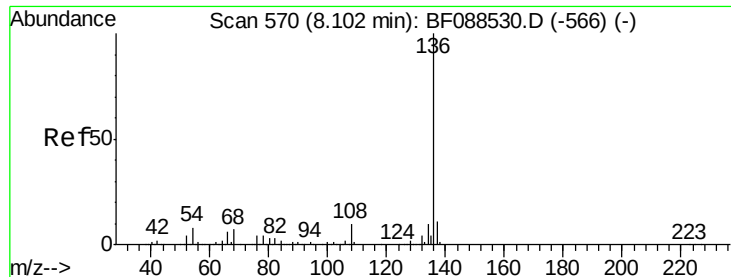
10000

5000

0

Time--> 7.20 7.25

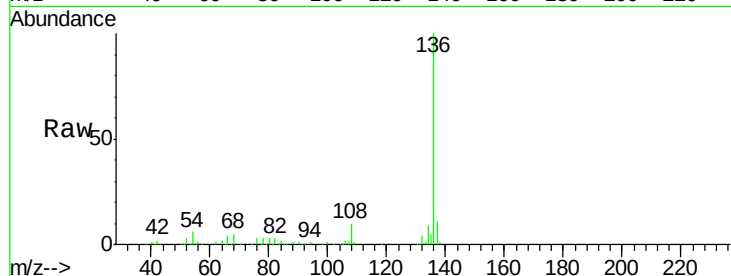




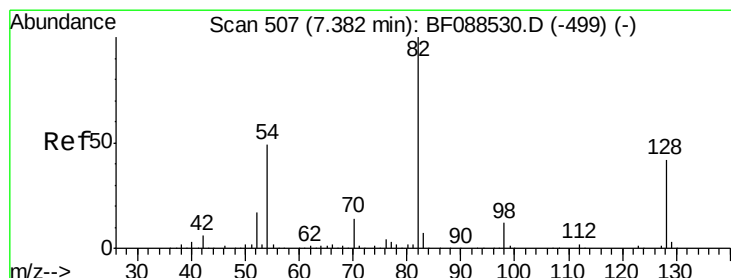
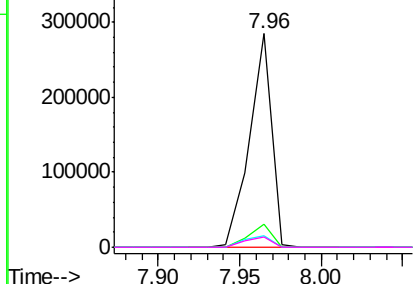
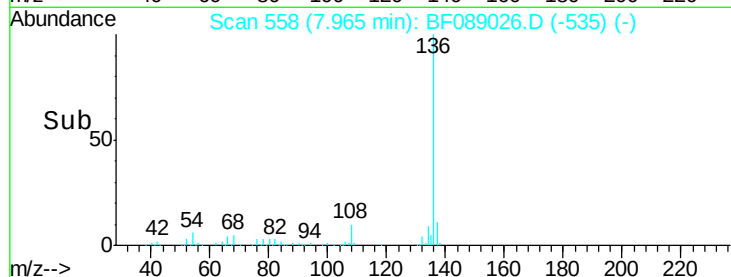
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.96 min Scan# 558
Delta R.T. -0.03 min
Lab File: BF089026.D
Acq: 15 Jul 2016 19:59

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB05(0-2ft)

Tgt Ion:	136	Resp:	267938
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	5.6	6.6	10.0#
68	4.6	5.1	7.7#

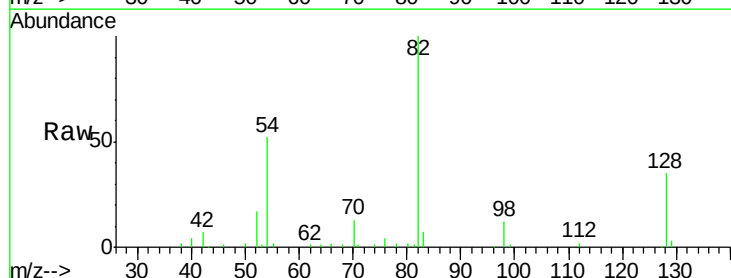


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

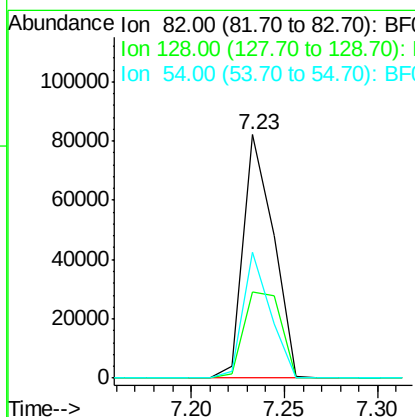
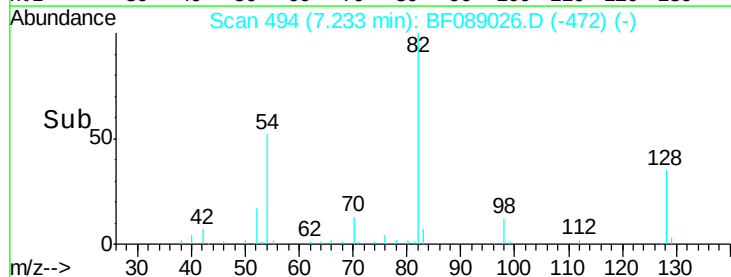


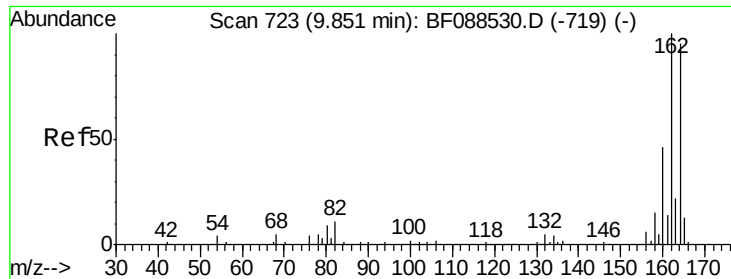
#23
Nitrobenzene-d5
Concen: 18.06 ng
RT: 7.23 min Scan# 494
Delta R.T. -0.05 min
Lab File: BF089026.D
Acq: 15 Jul 2016 19:59

Tgt Ion:	82	Resp:	92328
Ion	Ratio	Lower	Upper
82	100		
128	35.4	35.9	53.9#
54	51.9	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

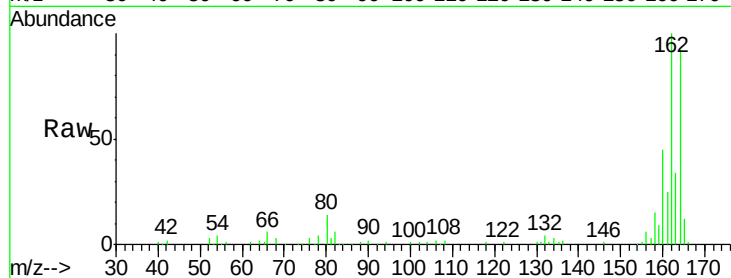




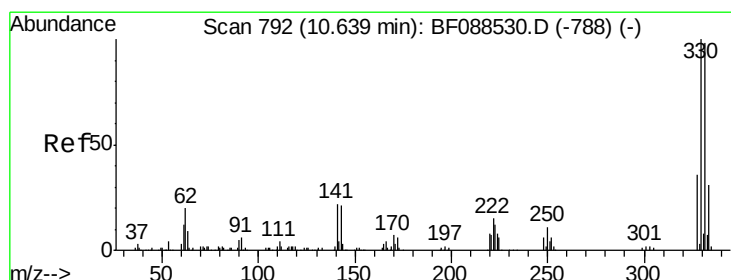
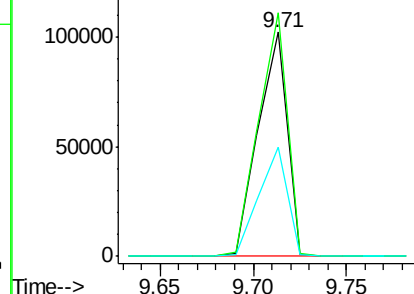
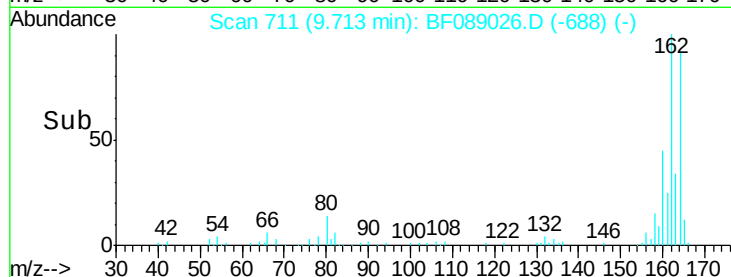
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.03 min
Lab File: BF089026.D
Acq: 15 Jul 2016 19:59

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB05(0-2ft)

Tgt Ion:164 Resp: 109300
Ion Ratio Lower Upper
164 100
162 108.8 85.4 128.2
160 49.0 39.5 59.3

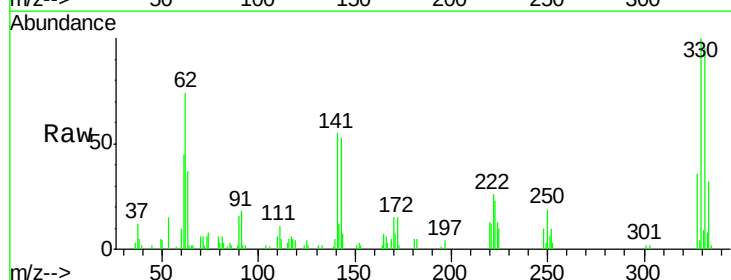


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

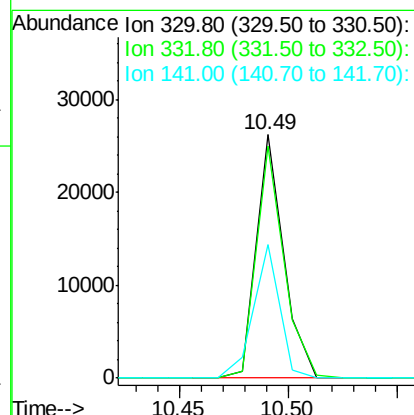
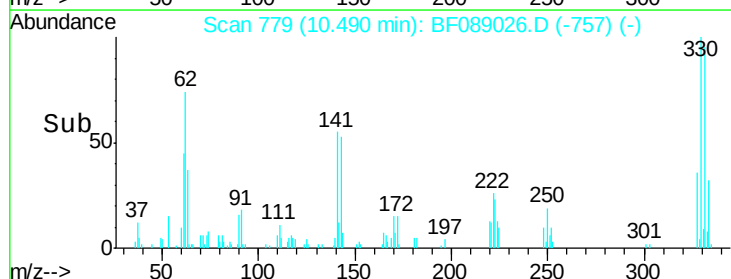


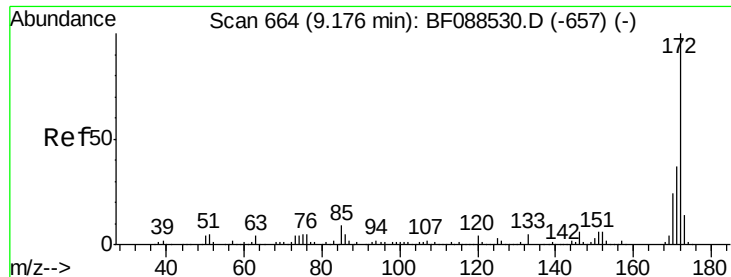
#41
2,4,6-Tribromophenol
Concen: 22.58 ng
RT: 10.49 min Scan# 779
Delta R.T. -0.05 min
Lab File: BF089026.D
Acq: 15 Jul 2016 19:59

Tgt Ion:330 Resp: 22913
Ion Ratio Lower Upper
330 100
332 96.6 0.0 0.0#
141 52.6 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

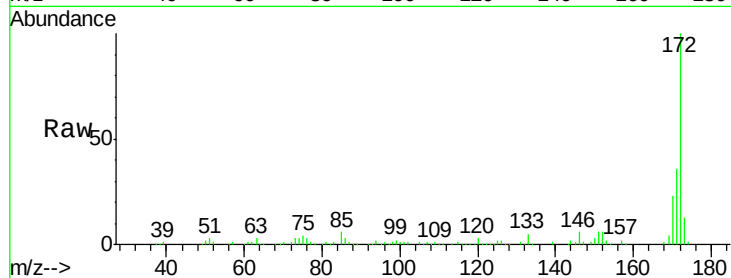




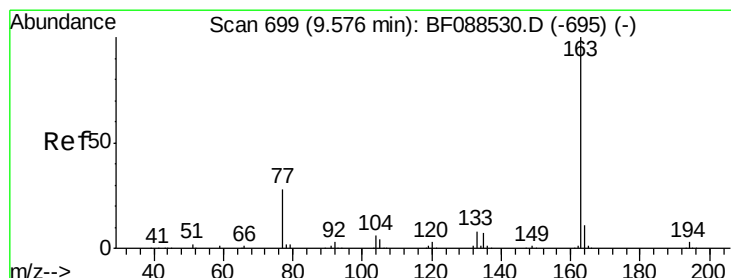
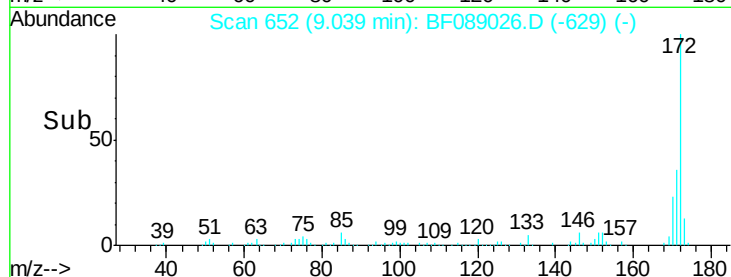
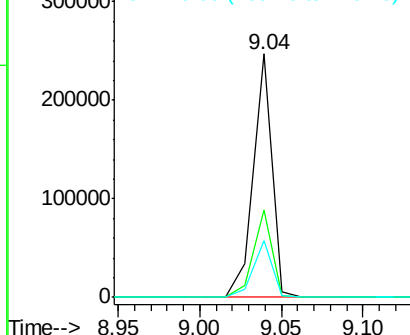
#44
 2-Fluorobiphenyl
 Concen: 28.65 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.03 min
 Lab File: BF089026.D
 Acq: 15 Jul 2016 19:59

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB05(0-2ft)

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	23.1	19.2	28.8

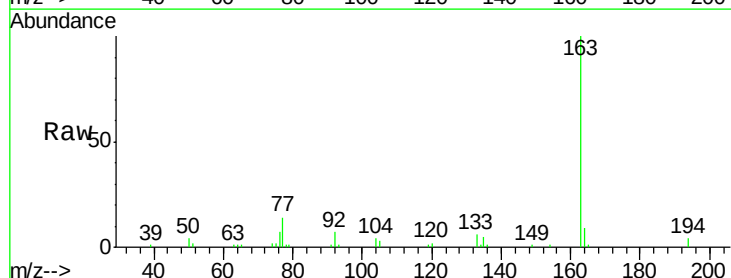


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

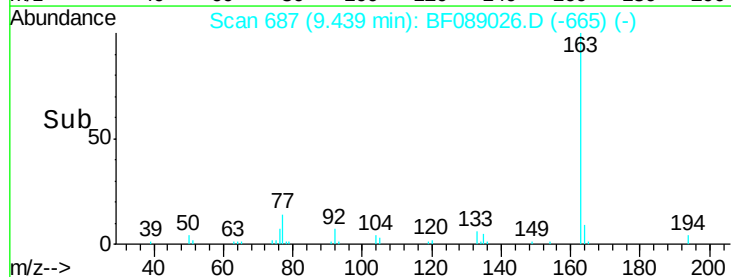
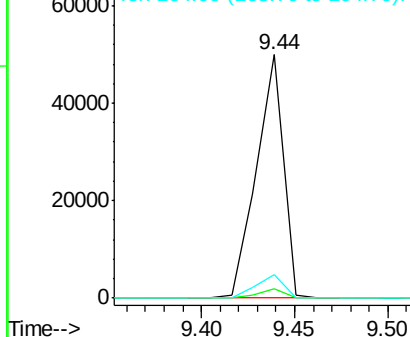


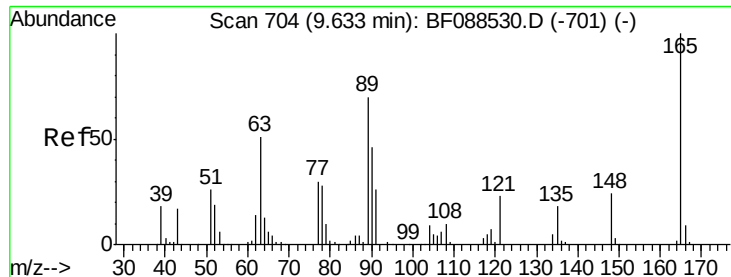
#49
 Dimethylphthalate
 Concen: 6.39 ng
 RT: 9.44 min Scan# 687
 Delta R.T. -0.05 min
 Lab File: BF089026.D
 Acq: 15 Jul 2016 19:59

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.8	4.2
164	9.4	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

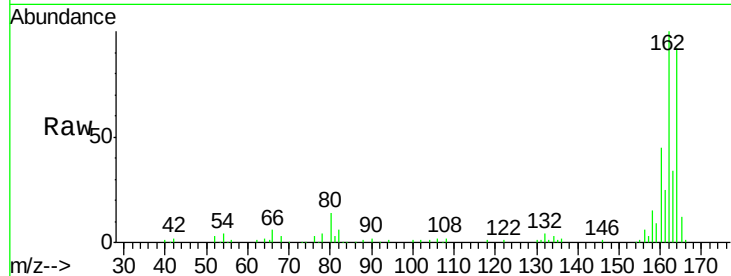




#50
 2,6-Dinitrotoluene
 Concen: 8.20 ng
 RT: 9.71 min Scan# 711
 Delta R.T. 0.17 min
 Lab File: BF089026.D
 Acq: 15 Jul 2016 19:59

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB05(0-2ft)

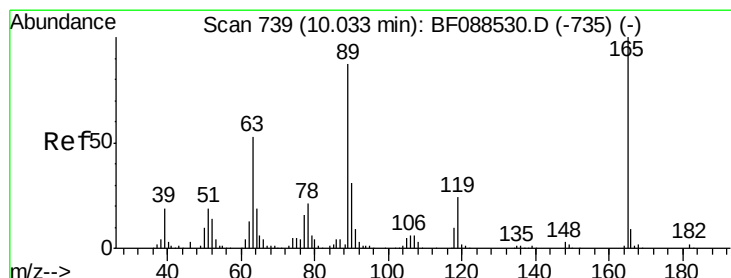
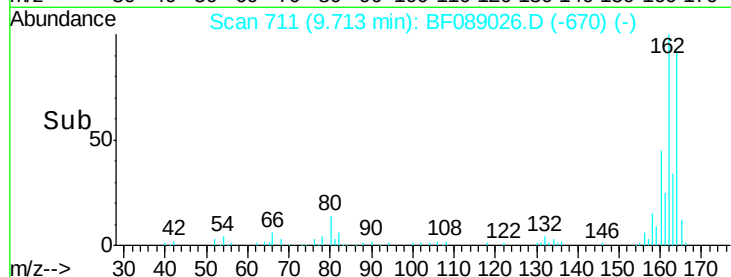
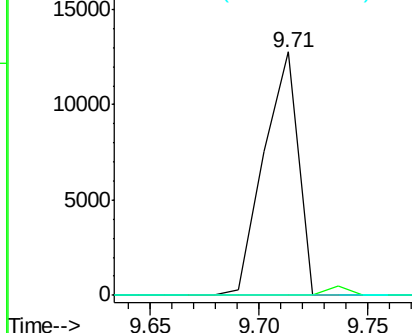
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#



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: BF089026.D
 Acq: 15 Jul 2016 19:59

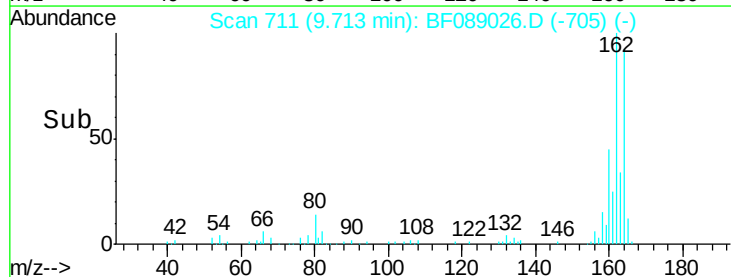
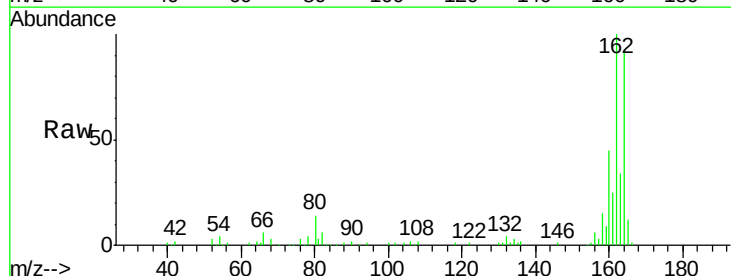
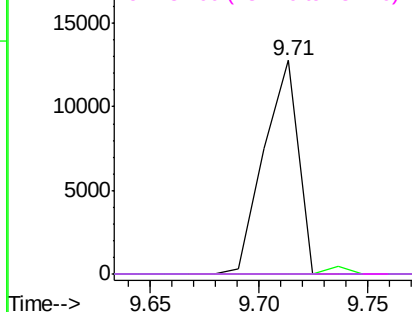
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

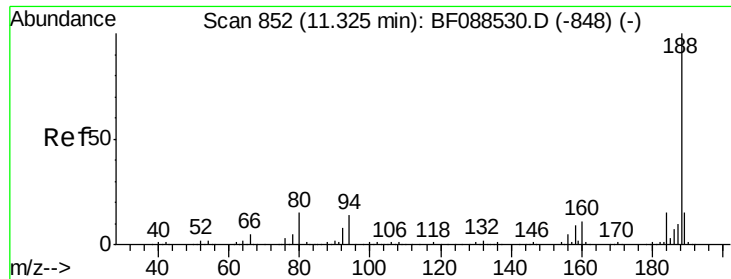
Abundance Ion 165.00 (164.70 to 165.70): E

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

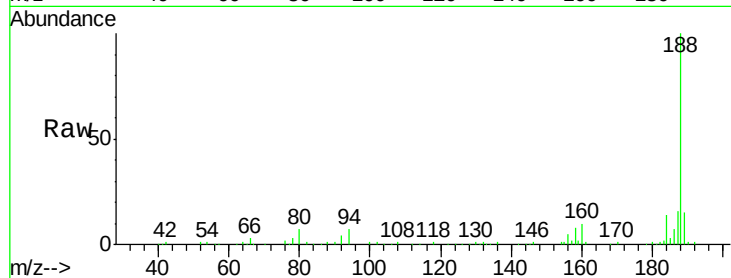




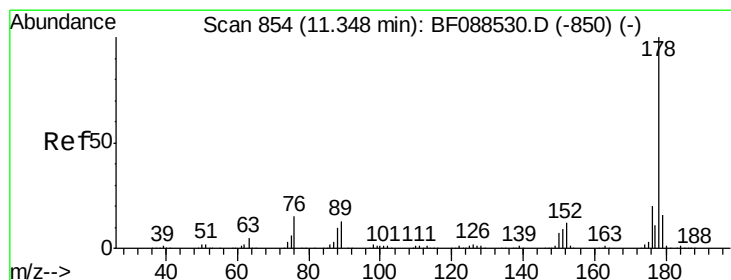
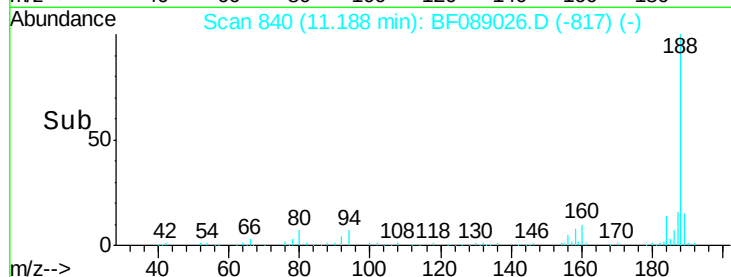
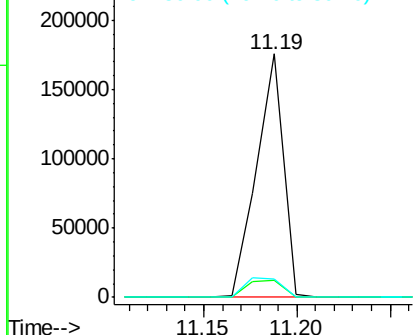
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.03 min
Lab File: BF089026.D
Acq: 15 Jul 2016 19:59

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB05(0-2ft)

Tgt Ion:188 Resp: 174743
Ion Ratio Lower Upper
188 100
94 6.9 9.0 13.6#
80 7.4 10.0 15.0#

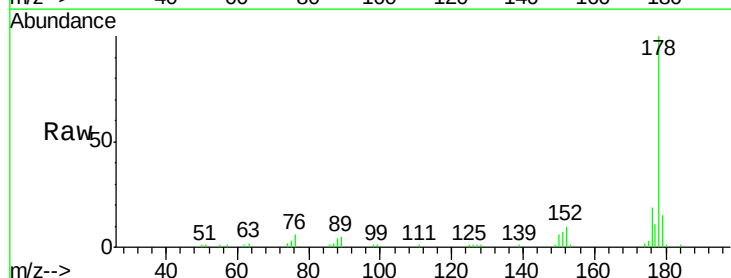


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

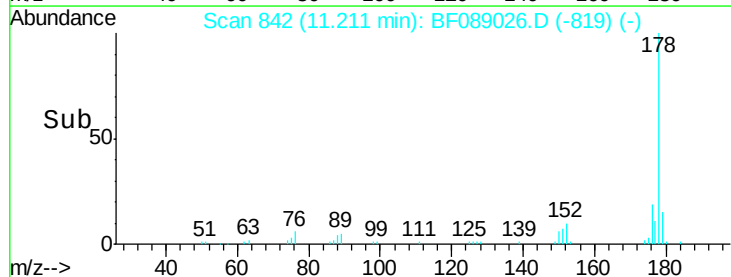
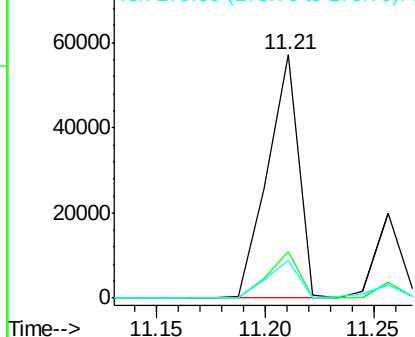


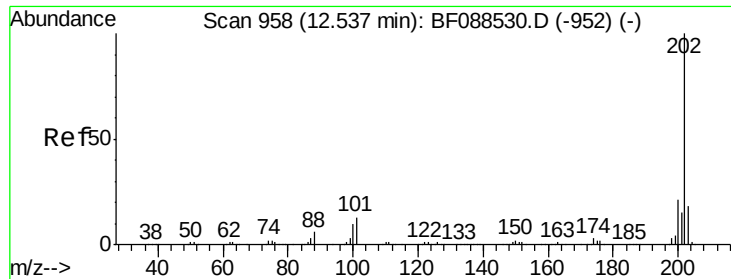
#70
Phenanthrene
Concen: 6.01 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.03 min
Lab File: BF089026.D
Acq: 15 Jul 2016 19:59

Tgt Ion:178 Resp: 57432
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 15.3 13.0 19.4



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

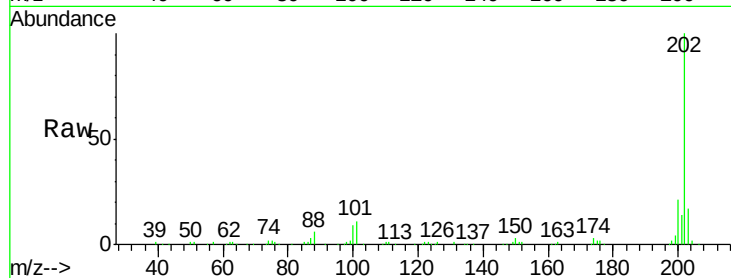




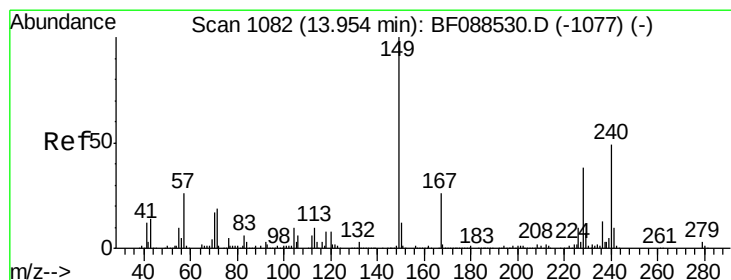
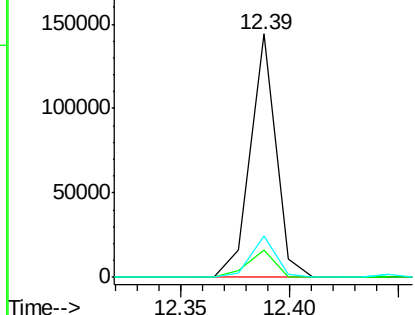
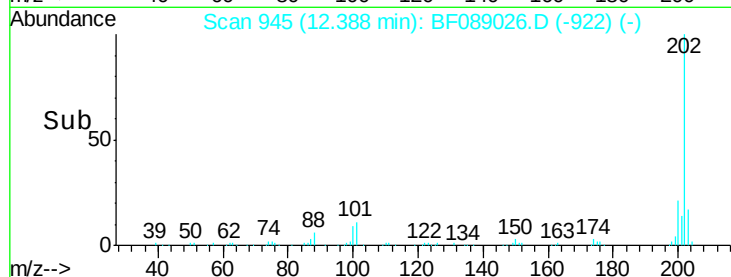
#74
 Fluoranthene
 Concen: 12.13 ng
 RT: 12.39 min Scan# 945
 Delta R.T. -0.03 min
 Lab File: BF089026.D
 Acq: 15 Jul 2016 19:59

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB05(0-2ft)

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	117492		
101	11.1	0.0	33.1	
203	17.1	0.0	38.1	

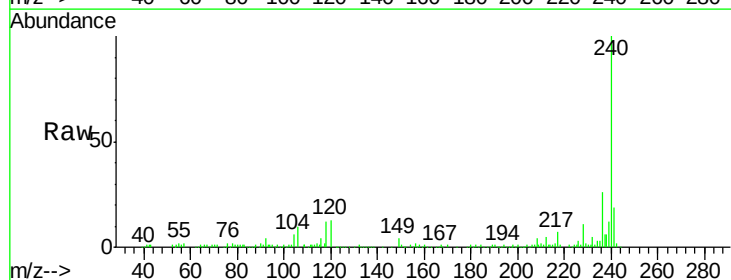


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

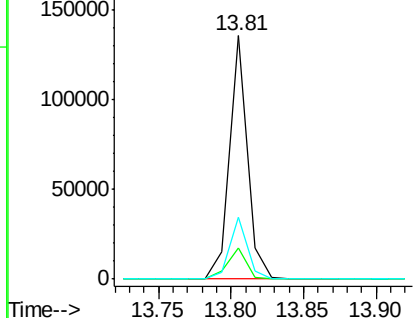
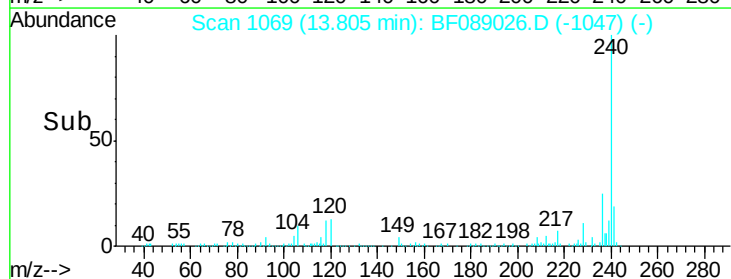


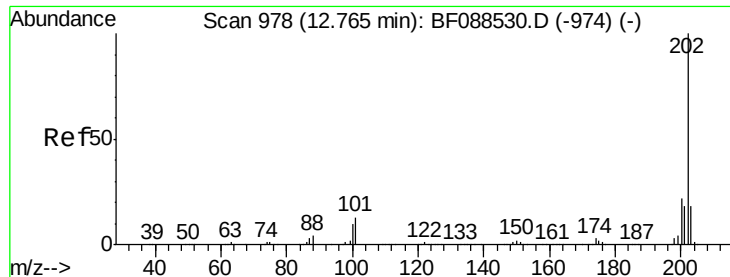
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.81 min Scan# 1069
 Delta R.T. -0.05 min
 Lab File: BF089026.D
 Acq: 15 Jul 2016 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	116276		
120	12.7	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

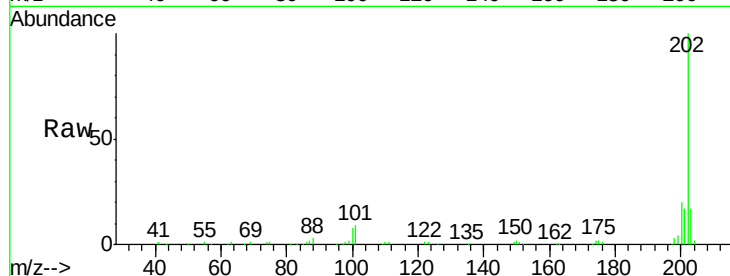




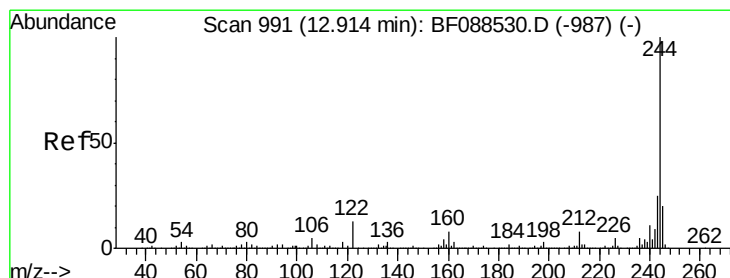
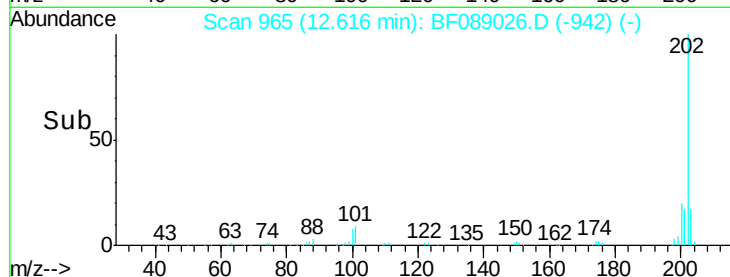
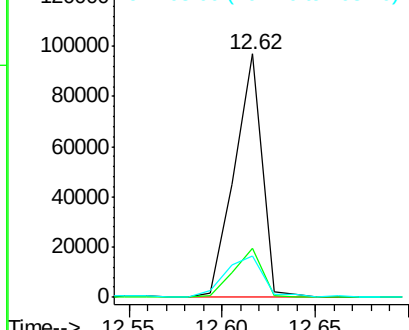
#77
 Pyrene
 Concen: 10.22 ng
 RT: 12.62 min Scan# 965
 Delta R.T. -0.03 min
 Lab File: BF089026.D
 Acq: 15 Jul 2016 19:59

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB05(0-2ft)

Tgt Ion: 202 Resp: 100719
 Ion Ratio Lower Upper
 202 100
 200 20.2 17.4 26.2
 203 16.8 14.5 21.7

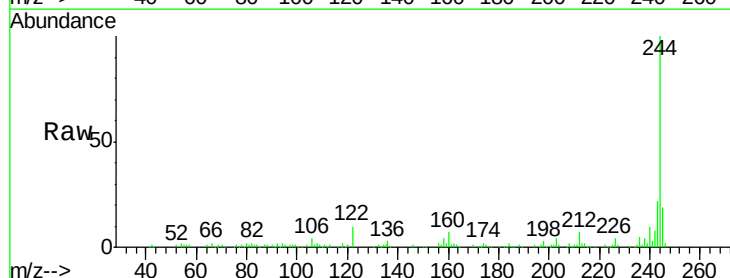


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

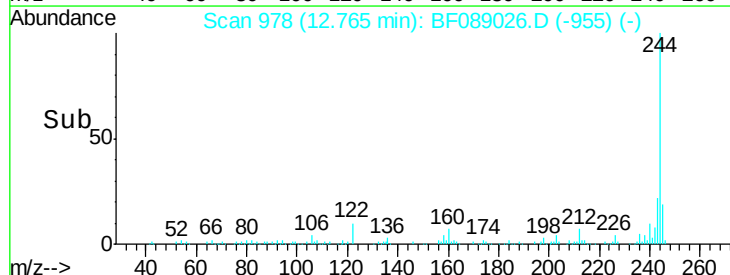
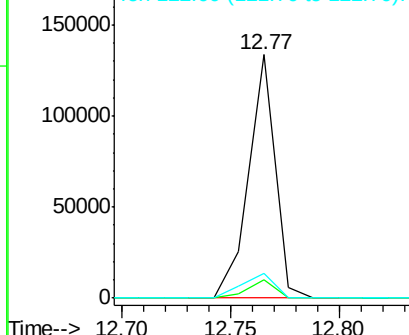


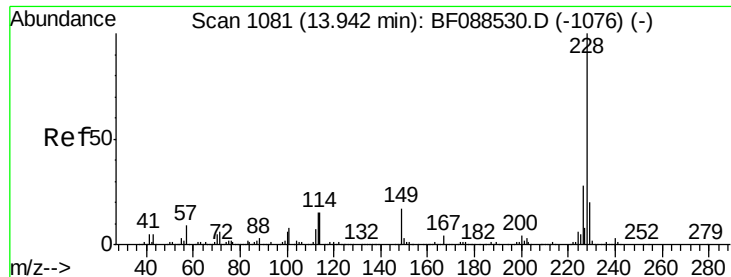
#78
 Terphenyl-d14
 Concen: 21.65 ng
 RT: 12.77 min Scan# 978
 Delta R.T. -0.03 min
 Lab File: BF089026.D
 Acq: 15 Jul 2016 19:59

Tgt Ion: 244 Resp: 113013
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 10.3 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: 7.64 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.05 min

Lab File: BF089026.D

Acq: 15 Jul 2016 19:59

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB05(0-2ft)

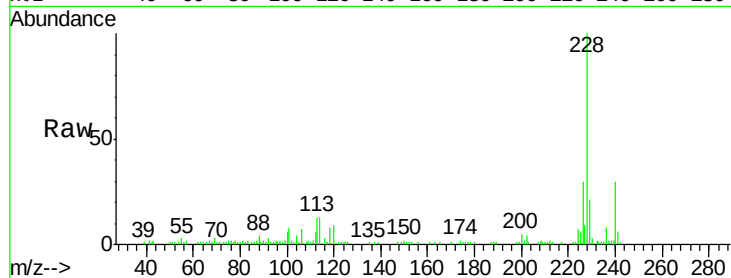
Tgt Ion:228 Resp: 57221

Ion Ratio Lower Upper

228 100

226 30.1 22.3 33.5

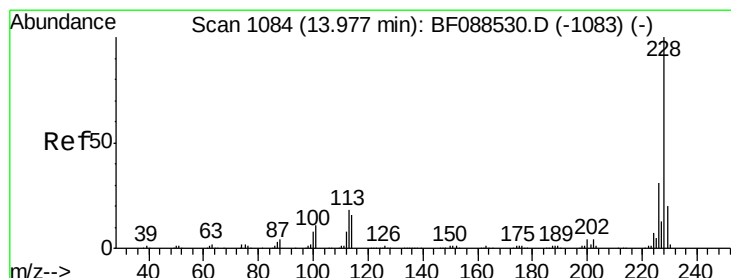
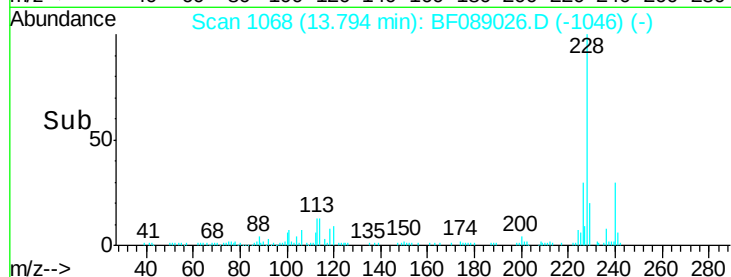
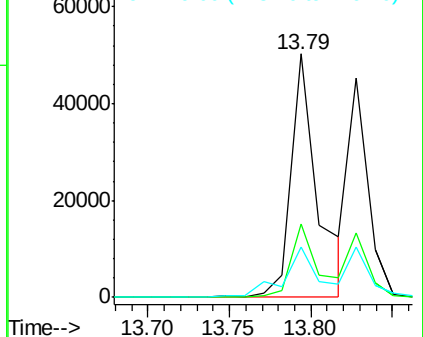
229 20.5 16.0 24.0



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: 7.72 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.08 min

Lab File: BF089026.D

Acq: 15 Jul 2016 19:59

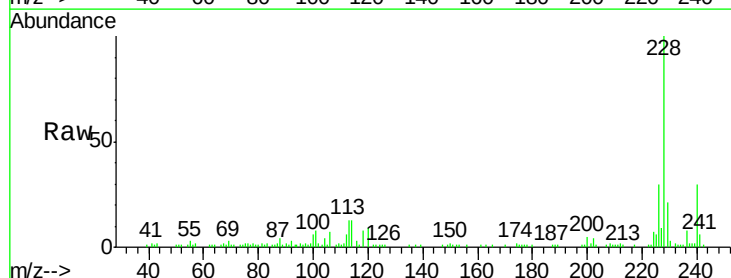
Tgt Ion:228 Resp: 57221

Ion Ratio Lower Upper

228 100

226 30.1 25.4 38.2

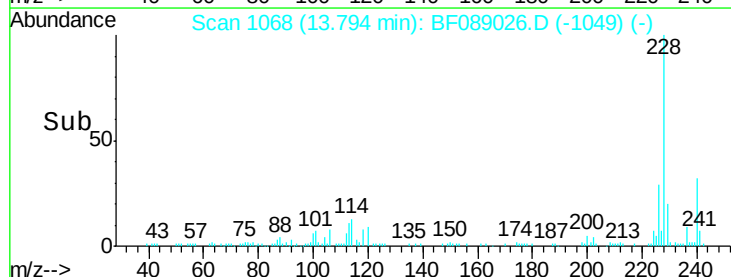
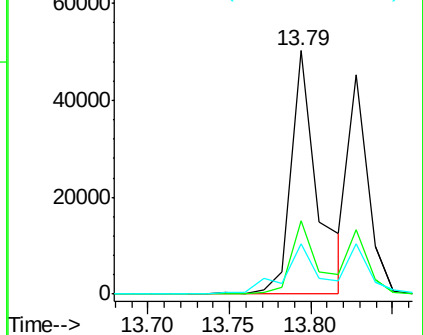
229 20.5 16.3 24.5

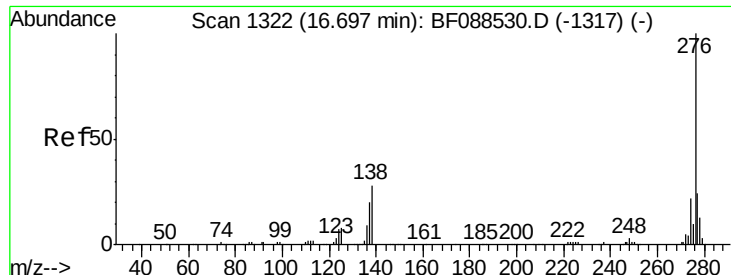


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

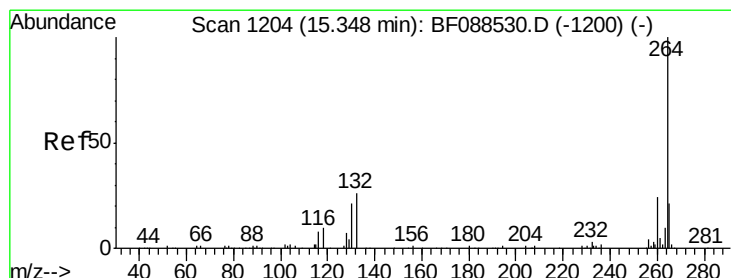
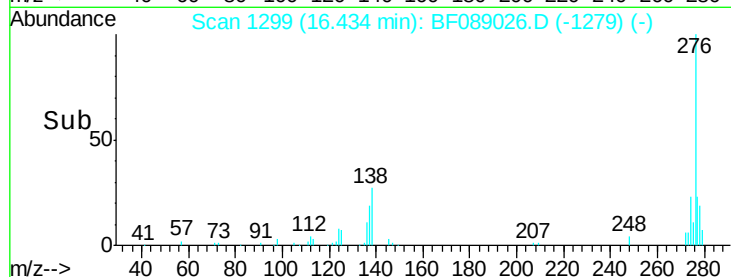
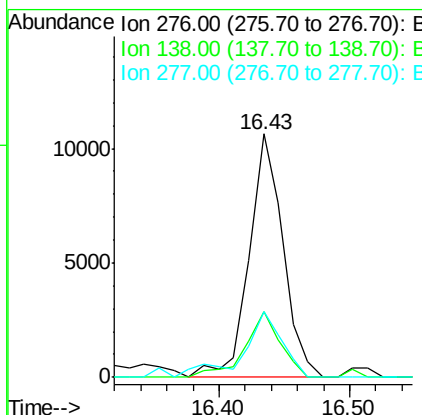
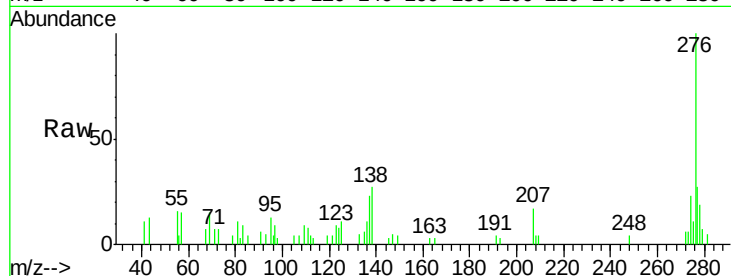




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.38 ng
 RT: 16.43 min Scan# 1299
 Delta R.T. -0.07 min
 Lab File: BF089026.D
 Acq: 15 Jul 2016 19:59

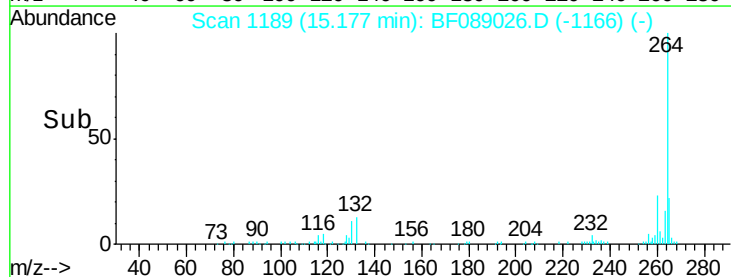
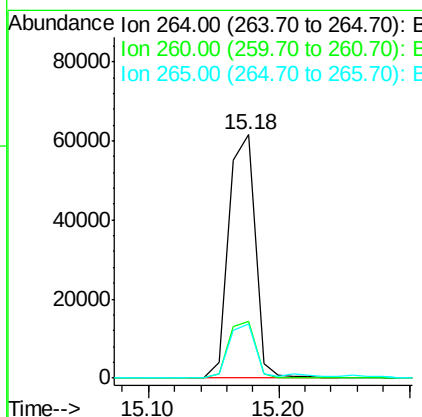
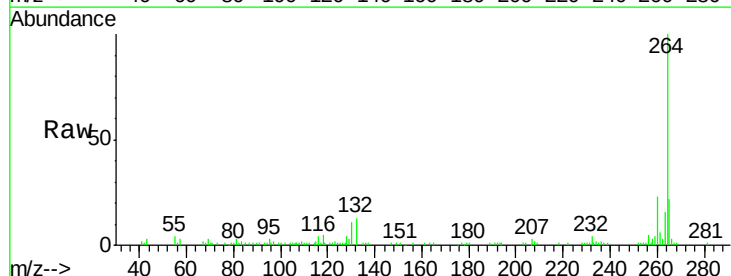
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB05(0-2ft)

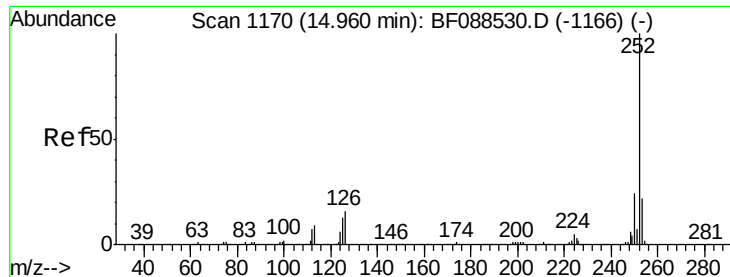
Tgt Ion: 276 Resp: 19281
 Ion Ratio Lower Upper
 276 100
 138 28.2 0.0 0.0#
 277 31.9 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.18 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF089026.D
 Acq: 15 Jul 2016 19:59

Tgt Ion: 264 Resp: 86641
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 22.1 16.9 25.3

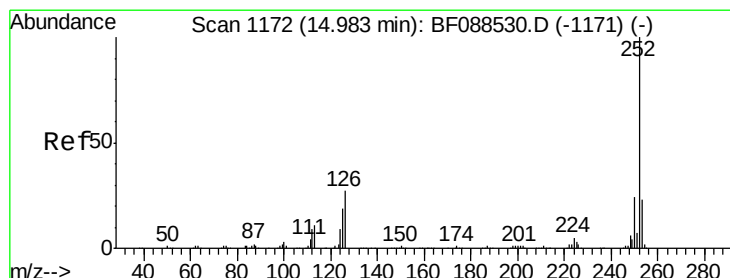
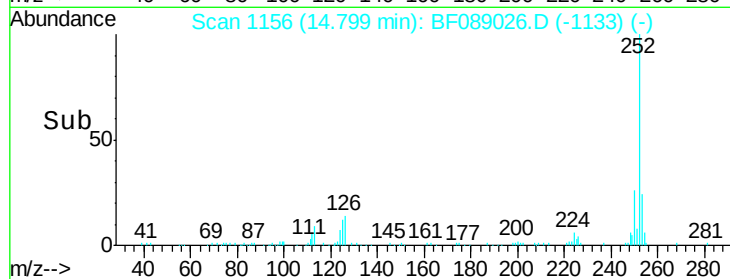
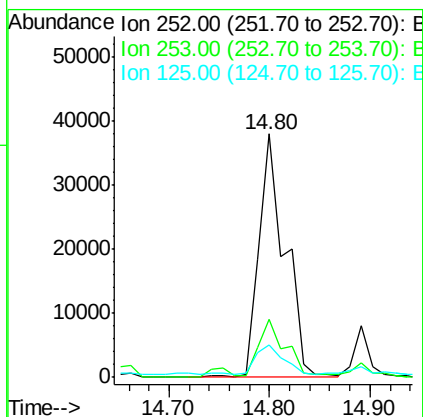
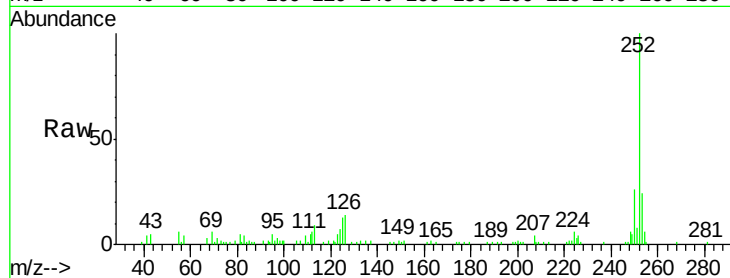




#87
Benzo(b)fluoranthene
Concen: 12.59 ng
RT: 14.80 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF089026.D
Acq: 15 Jul 2016 19:59

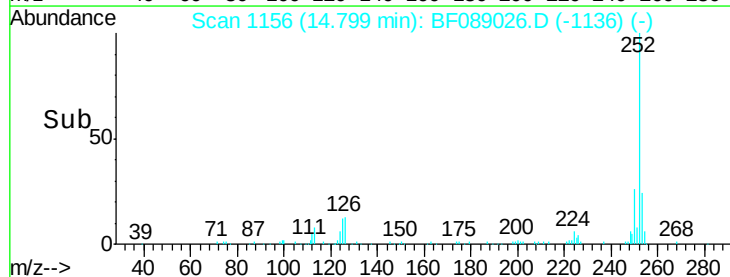
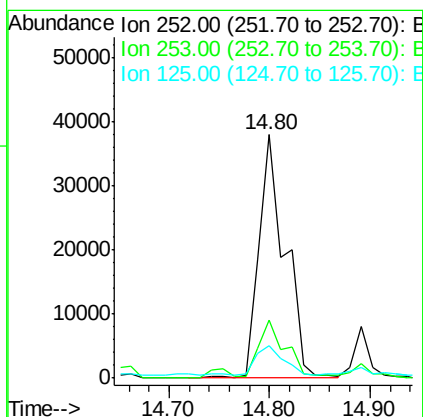
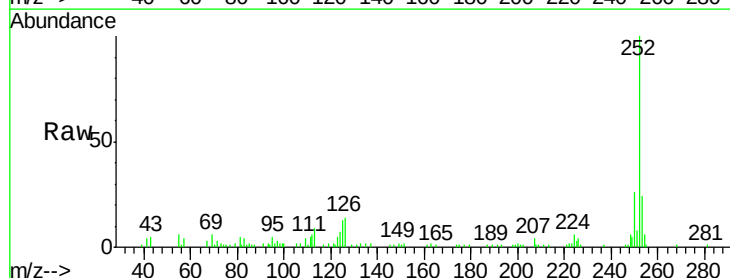
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB05(0-2ft)

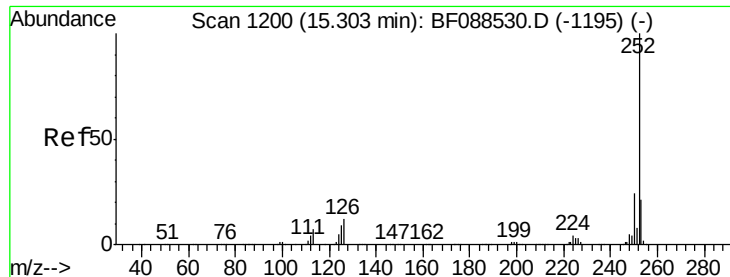
Tgt Ion:252 Resp: 68426
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.2
125 13.4 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 14.46 ng
RT: 14.80 min Scan# 1156
Delta R.T. -0.07 min
Lab File: BF089026.D
Acq: 15 Jul 2016 19:59

Tgt Ion:252 Resp: 68426
Ion Ratio Lower Upper
252 100
253 23.8 18.0 27.0
125 13.4 11.2 16.8





#89

Benzo(a)pyrene

Concen: 5.11 ng

RT: 15.06 min Scan# 1179

Delta R.T. -0.10 min

Lab File: BF089026.D

Acq: 15 Jul 2016 19:59

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB05(0-2ft)

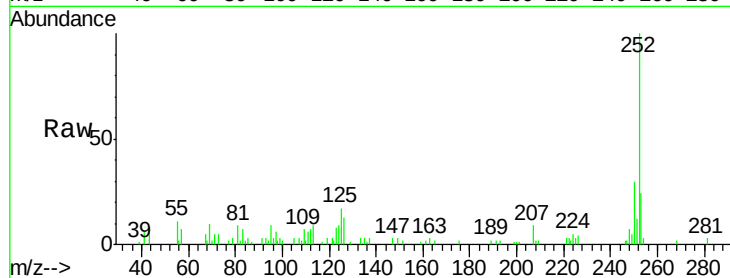
Tgt Ion:252 Resp: 23535

Ion Ratio Lower Upper

252 100

253 24.4 17.9 26.9

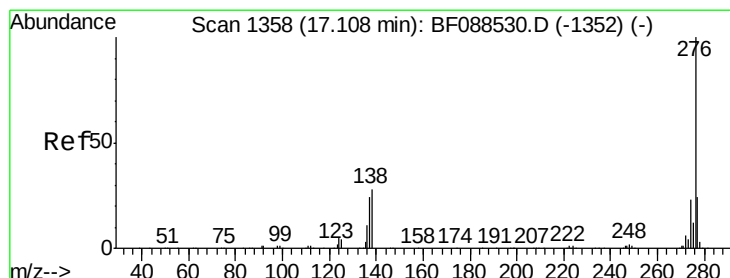
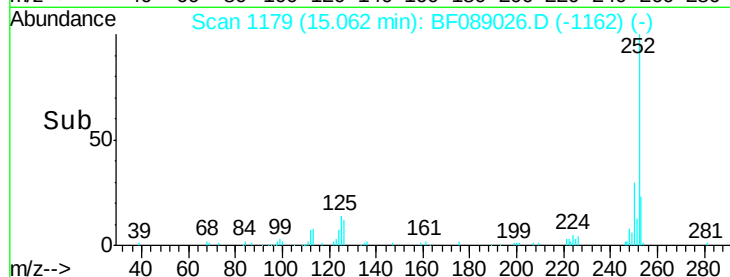
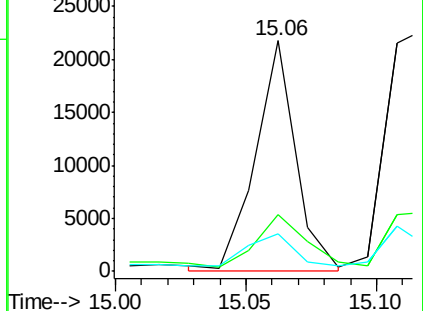
125 16.5 12.5 18.7



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: 4.40 ng

RT: 16.81 min Scan# 1332

Delta R.T. -0.08 min

Lab File: BF089026.D

Acq: 15 Jul 2016 19:59

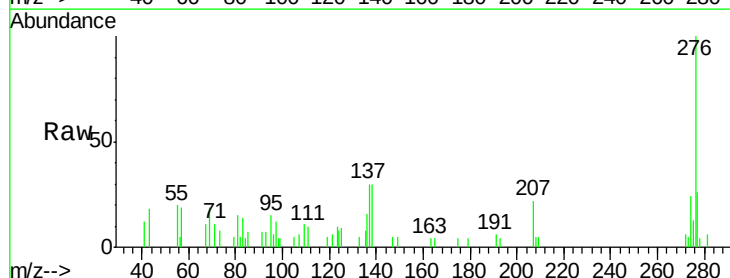
Tgt Ion:276 Resp: 17494

Ion Ratio Lower Upper

276 100

277 25.6 18.9 28.3

138 29.7 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

