

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 15 22:59:35 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

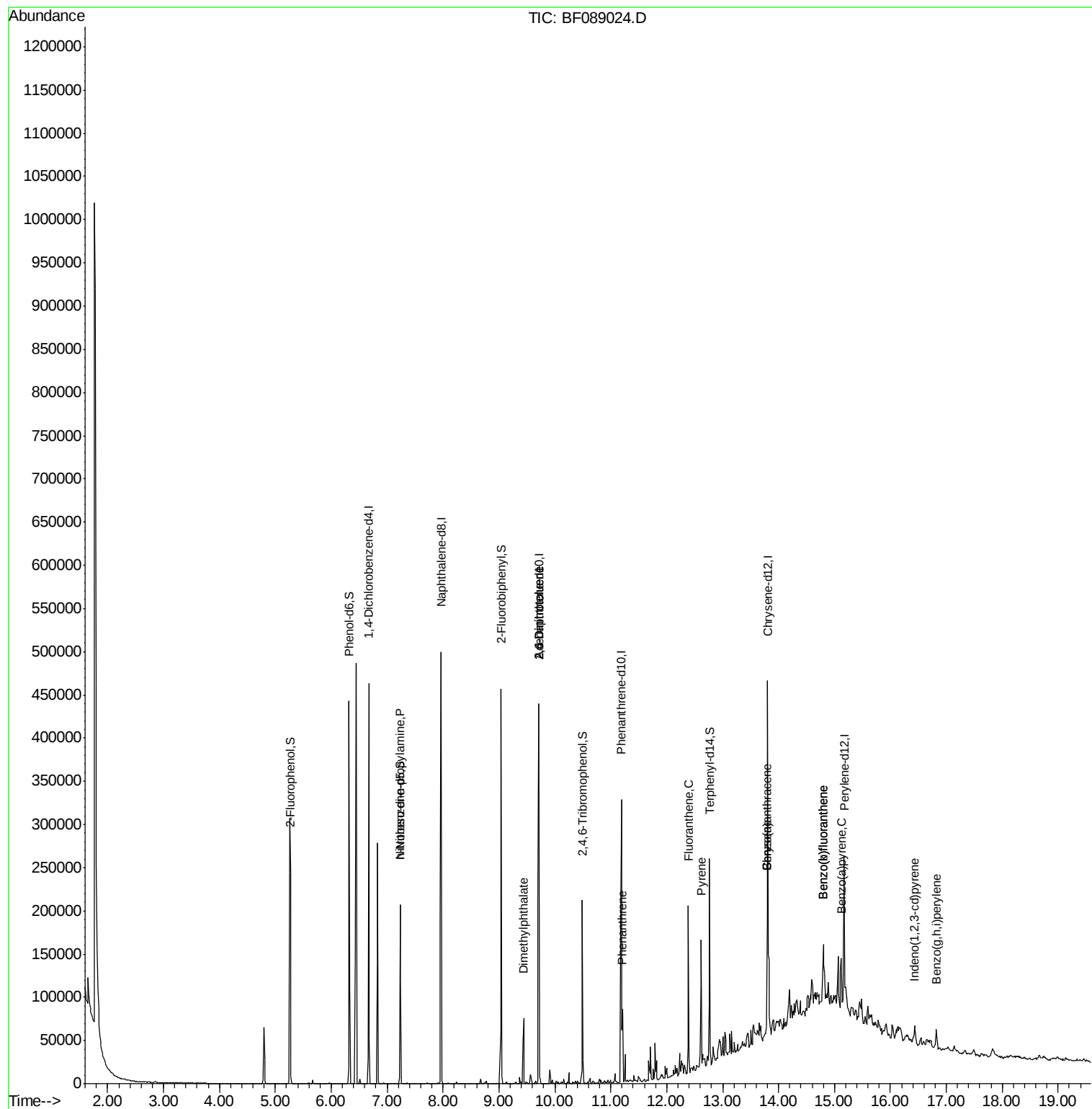
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	60536	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	237579	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	96799	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	146814	20.00	ng	-0.03
75) Chrysene-d12	13.81	240	108819	20.00	ng	-0.05
86) Perylene-d12	15.18	264	81051	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	112942	27.96	ng	-0.02
7) Phenol-d6	6.32	99	139628	26.75	ng	-0.03
23) Nitrobenzene-d5	7.23	82	82561	18.21	ng	-0.05
41) 2,4,6-Tribromophenol	10.49	330	17590	19.57	ng	-0.05
44) 2-Fluorobiphenyl	9.04	172	127608	20.82	ng	-0.03
78) Terphenyl-d14	12.77	244	62666	12.83	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.23	70	10980	3.13	ng	# 78
49) Dimethylphthalate	9.44	163	40239	5.83	ng	98
50) 2,6-Dinitrotoluene	9.71	165	12111	7.92	ng	# 37
56) 2,4-Dinitrotoluene	9.71	165	12111	6.06	ng	# 36
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	13.79	228	38130	5.50	ng	95
85) Indeno(1,2,3-cd)pyrene	16.43	276	12272	2.30	ng	# 100
87) Benzo(b)fluoranthene	14.80	252	39020	7.67	ng	# 90
88) Benzo(k)fluoranthene	14.80	252	38999	8.81	ng	96
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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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 445

Delta R.T. -0.03 min

Lab File: BF089024.D

Acq: 15 Jul 2016 18:57

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB02(0-2ft)

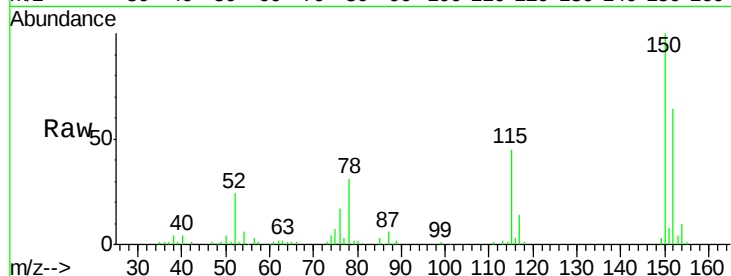
Tgt Ion:152 Resp: 60536

Ion Ratio Lower Upper

152 100

150 156.9 123.8 185.6

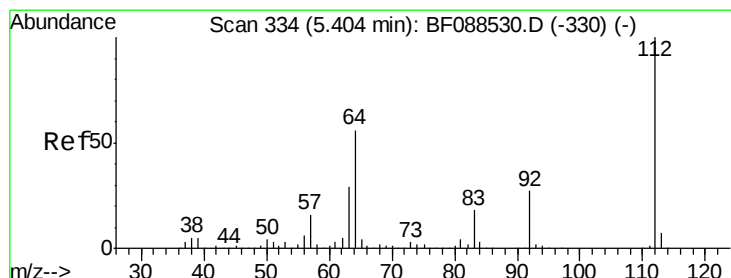
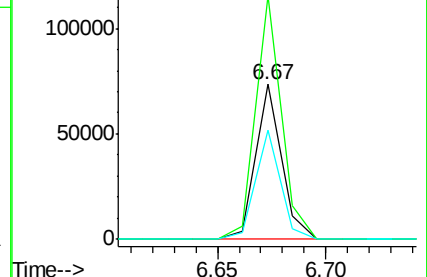
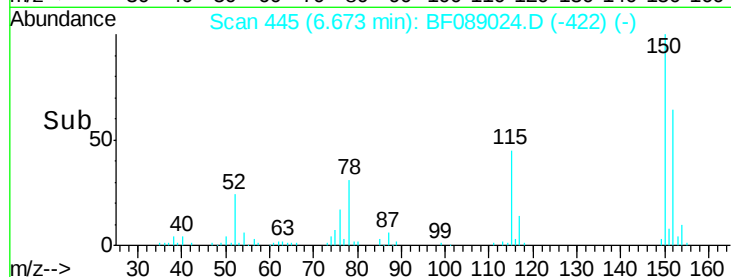
115 70.6 39.6 59.4#



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. -0.02 min

Lab File: BF089024.D

Acq: 15 Jul 2016 18:57

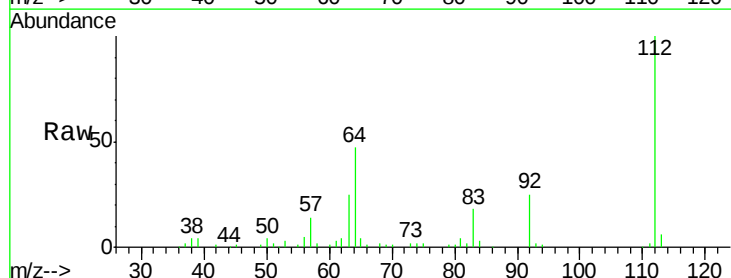
Tgt Ion:112 Resp: 112942

Ion Ratio Lower Upper

112 100

64 47.4 42.2 63.2

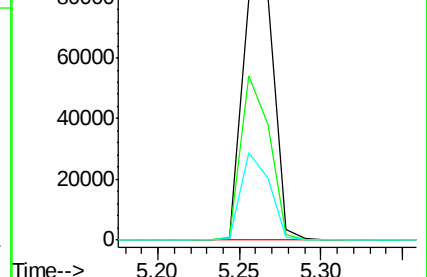
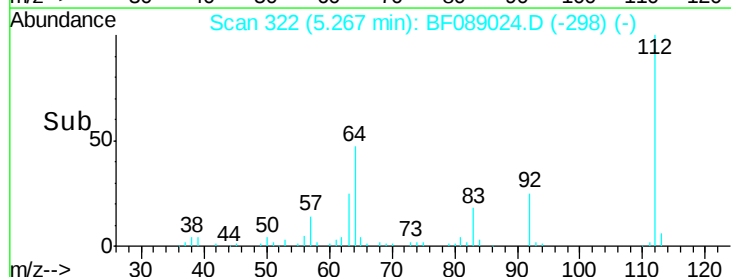
63 25.4 21.8 32.8



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. -0.03 min

Lab File: BF089024.D

Acq: 15 Jul 2016 18:57

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB02(0-2ft)

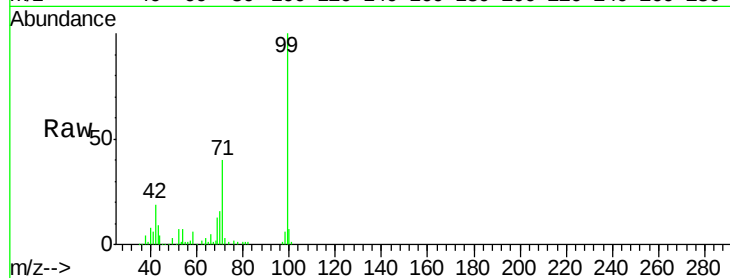
Tgt Ion: 99 Resp: 139628

Ion Ratio Lower Upper

99 100

42 19.4 12.2 18.2#

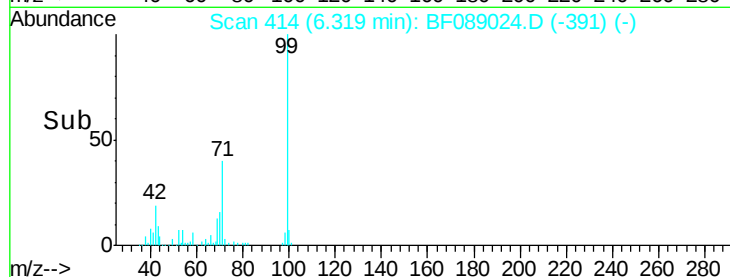
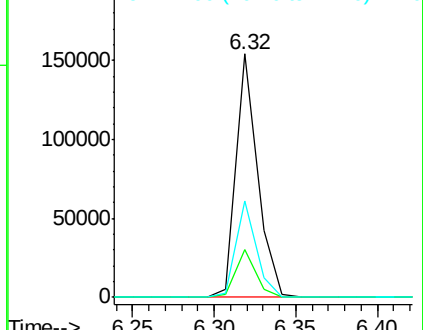
71 39.8 23.4 35.0#



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.13 ng

RT: 7.23 min Scan# 494

Delta R.T. 0.09 min

Lab File: BF089024.D

Acq: 15 Jul 2016 18:57

Tgt Ion: 70 Resp: 10980

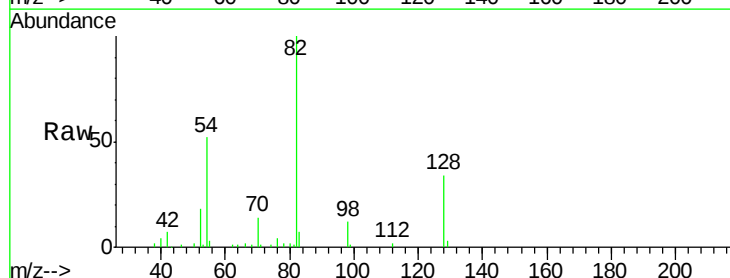
Ion Ratio Lower Upper

70 100

42 49.8 49.6 74.4

101 0.0 7.1 10.7#

130 0.0 15.4 23.2#

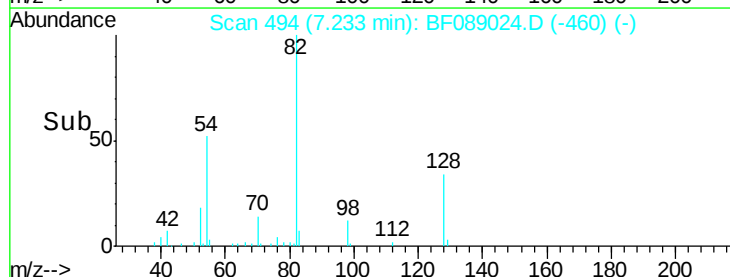
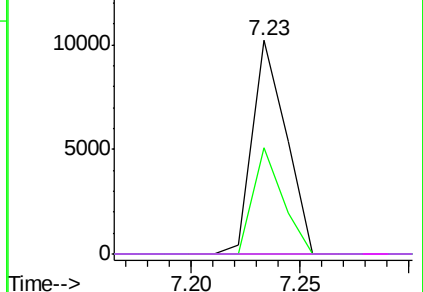


Abundance Ion 70.00 (69.70 to 70.70): BF0

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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. -0.03 min

Lab File: BF089024.D

Acq: 15 Jul 2016 18:57

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB02(0-2ft)

Tgt Ion:136 Resp: 237579

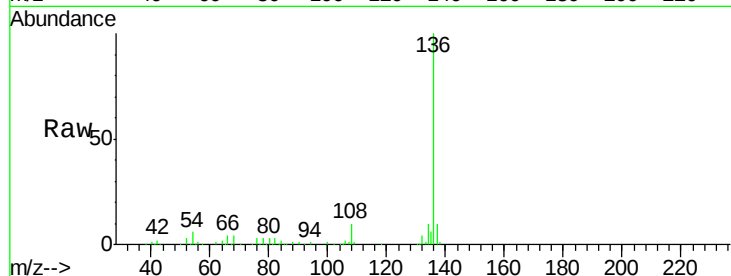
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.7 6.6 10.0#

68 4.3 5.1 7.7#

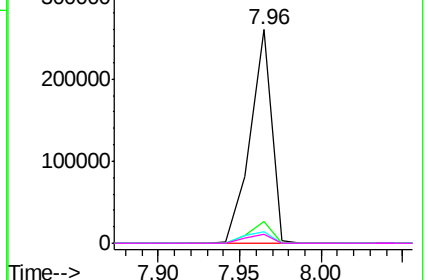
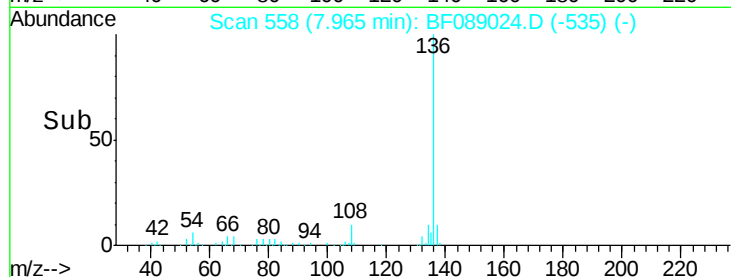


Abundance Ion 136.00 (135.70 to 136.70): E

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: 18.21 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.05 min

Lab File: BF089024.D

Acq: 15 Jul 2016 18:57

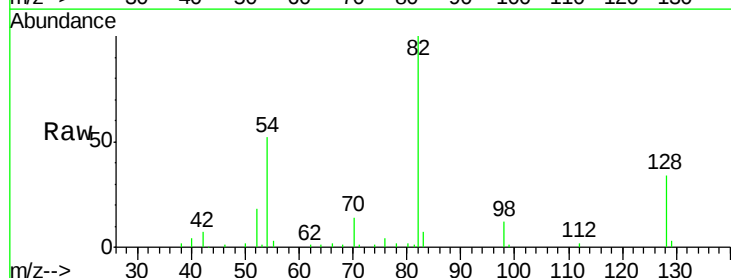
Tgt Ion: 82 Resp: 82561

Ion Ratio Lower Upper

82 100

128 34.3 35.9 53.9#

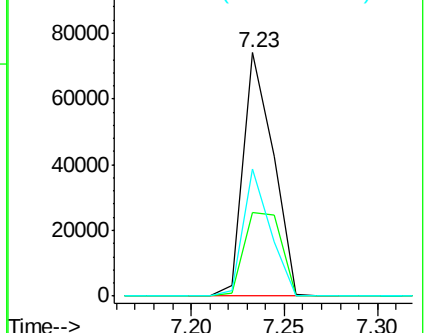
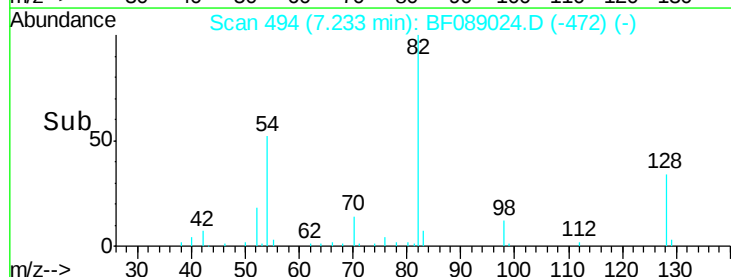
54 52.1 40.9 61.3

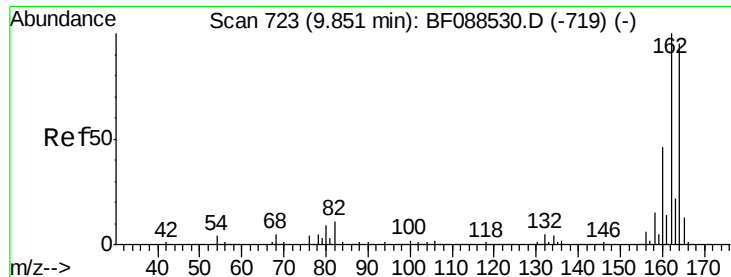


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

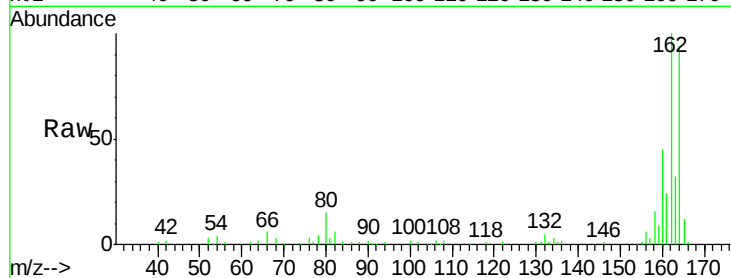




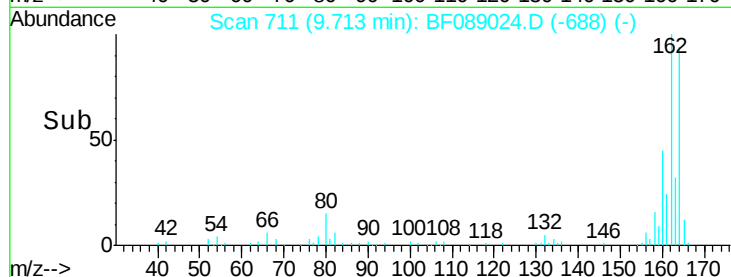
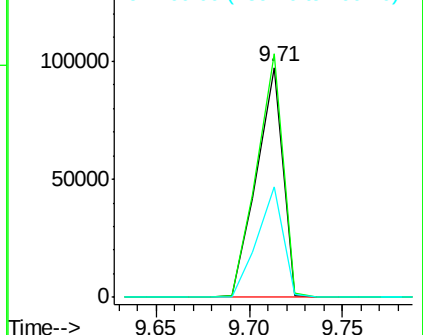
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.03 min
 Lab File: BF089024.D
 Acq: 15 Jul 2016 18:57

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

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

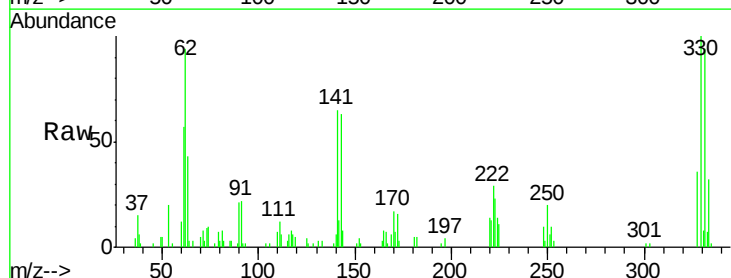


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

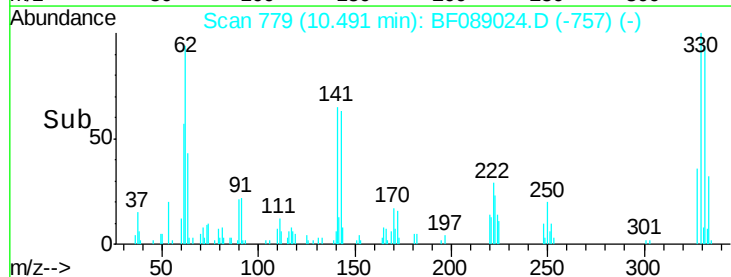
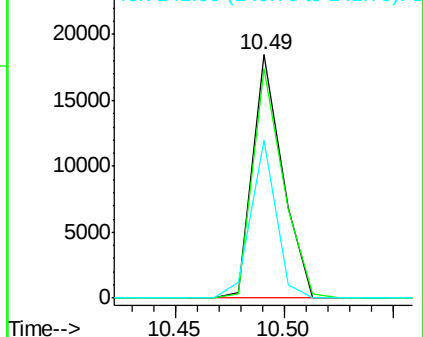


#41
 2,4,6-Tribromophenol
 Concen: 19.57 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.05 min
 Lab File: BF089024.D
 Acq: 15 Jul 2016 18:57

Tgt Ion:330 Resp: 17590
 Ion Ratio Lower Upper
 330 100
 332 96.8 0.0 0.0#
 141 55.0 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

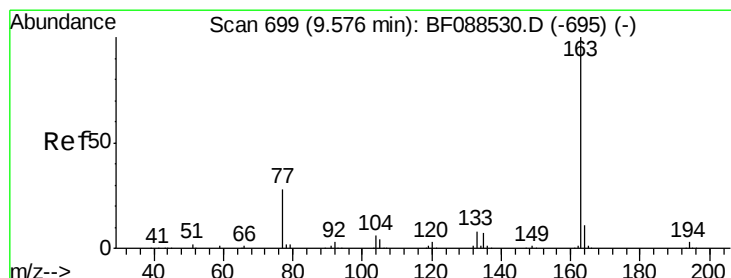
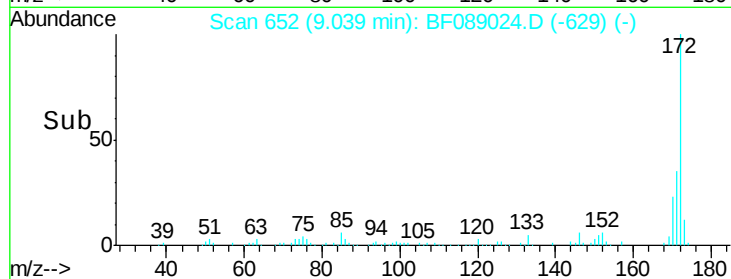
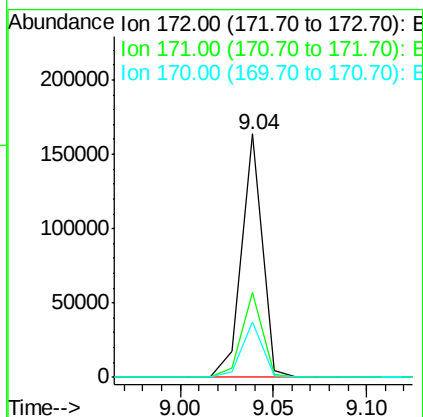
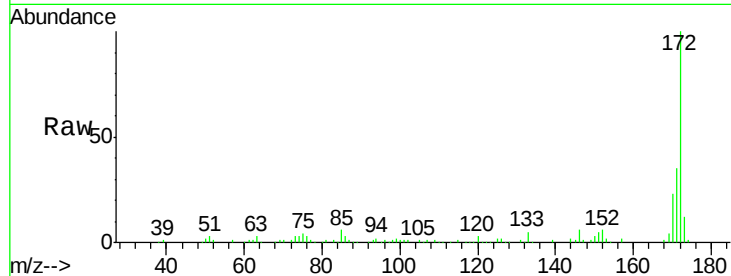




#44
 2-Fluorobiphenyl
 Concen: 20.82 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.03 min
 Lab File: BF089024.D
 Acq: 15 Jul 2016 18:57

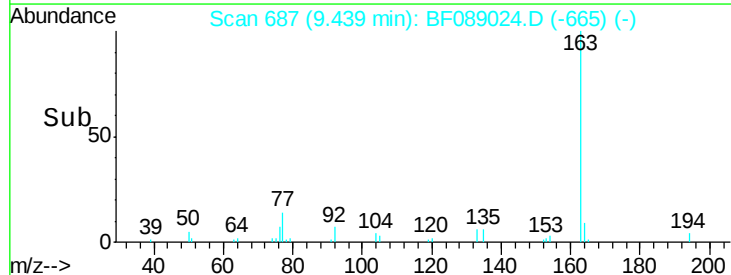
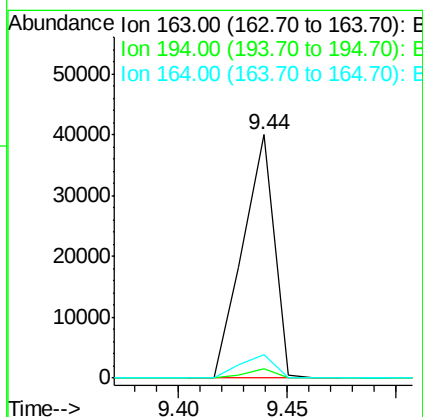
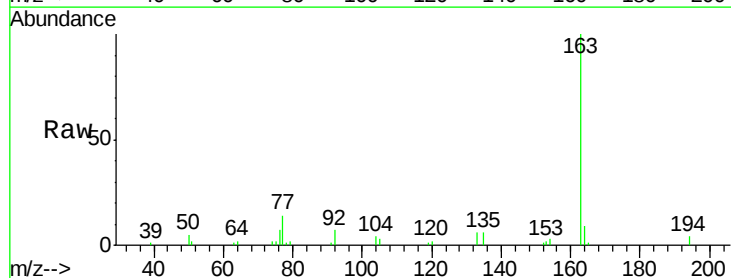
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB02(0-2ft)

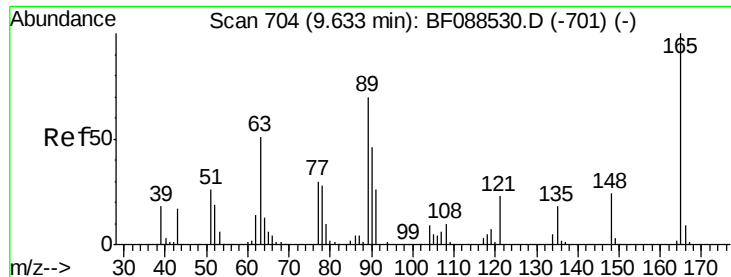
Tgt Ion:172 Resp: 127608
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.6 43.0
 170 22.8 19.2 28.8



#49
 Dimethylphthalate
 Concen: 5.83 ng
 RT: 9.44 min Scan# 687
 Delta R.T. -0.05 min
 Lab File: BF089024.D
 Acq: 15 Jul 2016 18:57

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

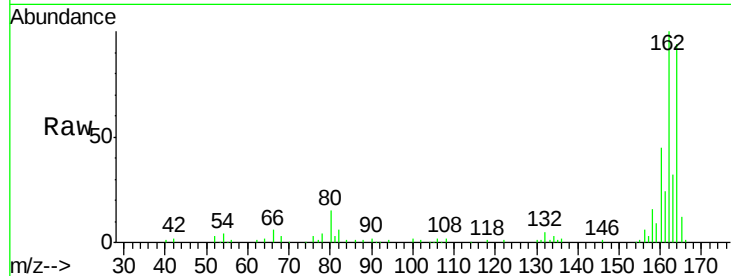




#50
 2,6-Dinitrotoluene
 Concen: 7.92 ng
 RT: 9.71 min Scan# 711
 Delta R.T. 0.17 min
 Lab File: BF089024.D
 Acq: 15 Jul 2016 18:57

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

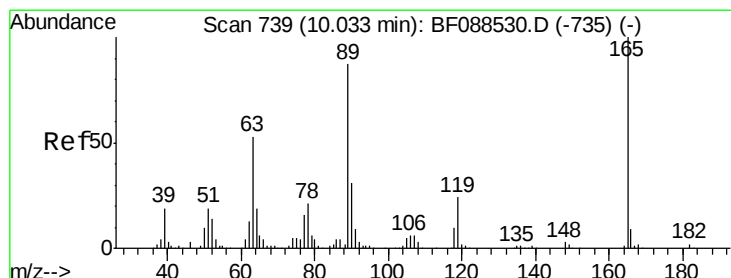
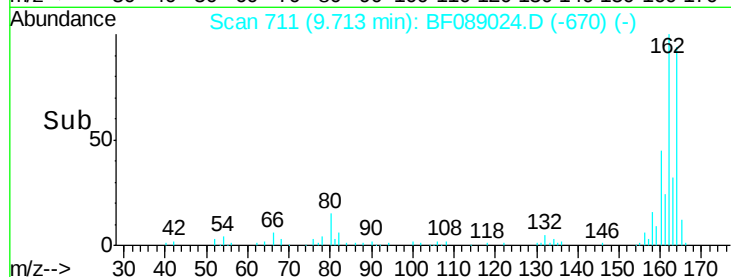
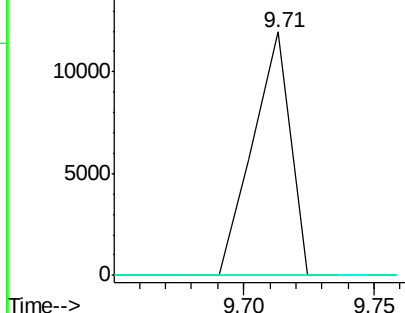
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#



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: 6.06 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.23 min
 Lab File: BF089024.D
 Acq: 15 Jul 2016 18:57

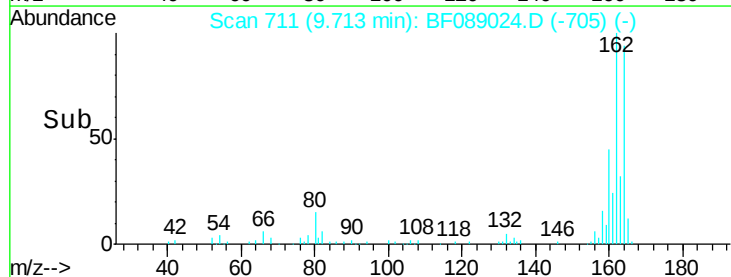
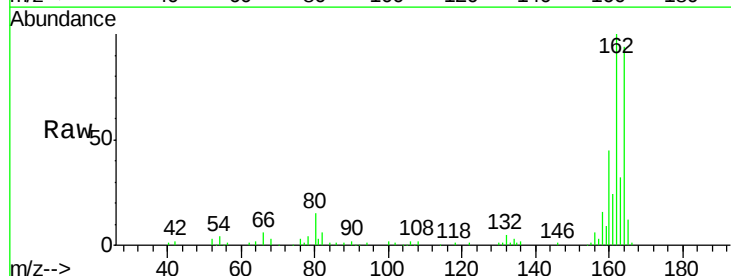
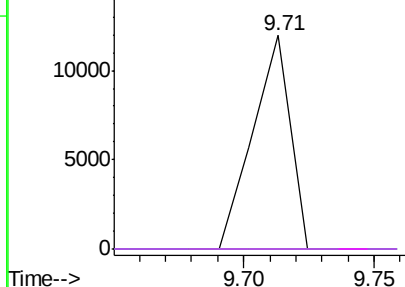
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

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

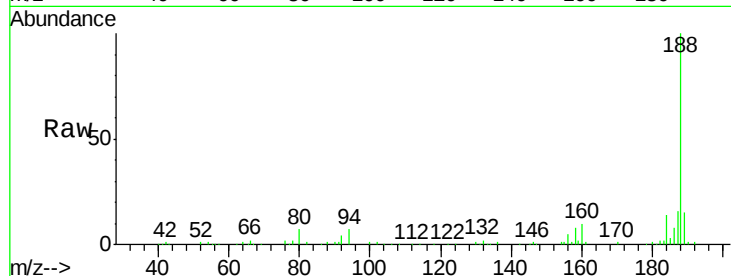




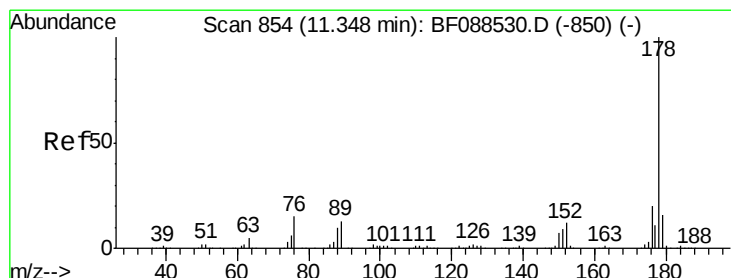
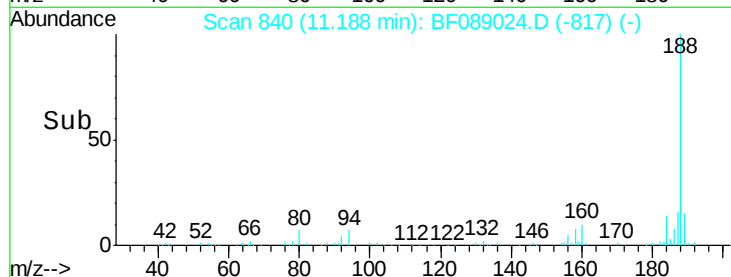
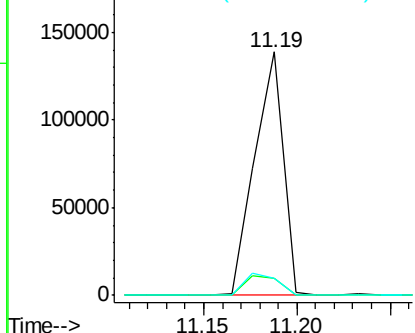
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.03 min
Lab File: BF089024.D
Acq: 15 Jul 2016 18:57

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

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#

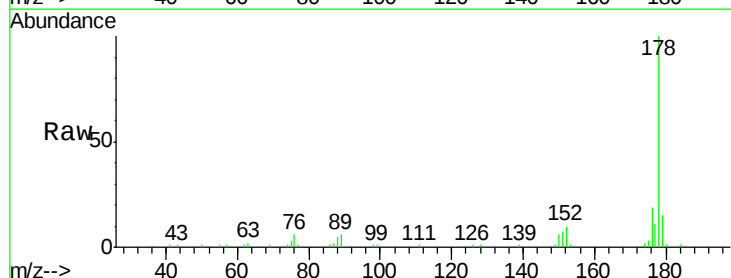


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

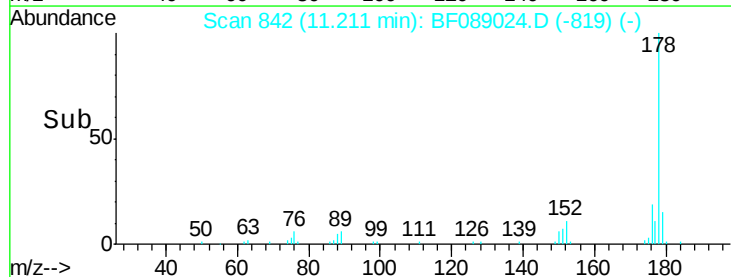
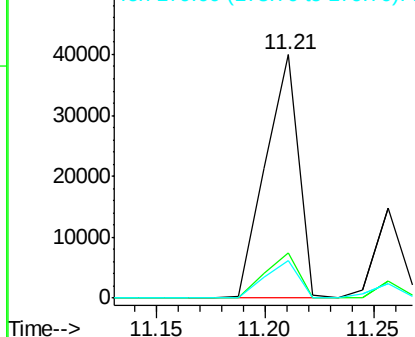


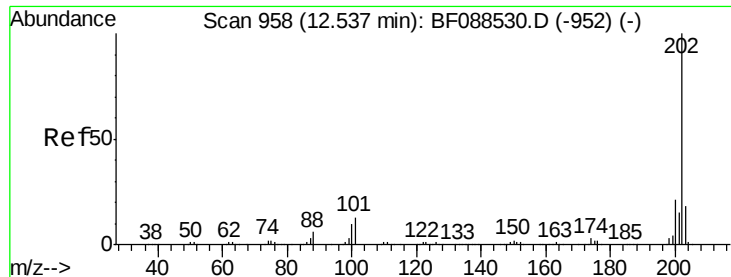
#70
Phenanthrene
Concen: 5.31 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.03 min
Lab File: BF089024.D
Acq: 15 Jul 2016 18:57

Tgt Ion:178 Resp: 42607
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.6
179 15.2 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

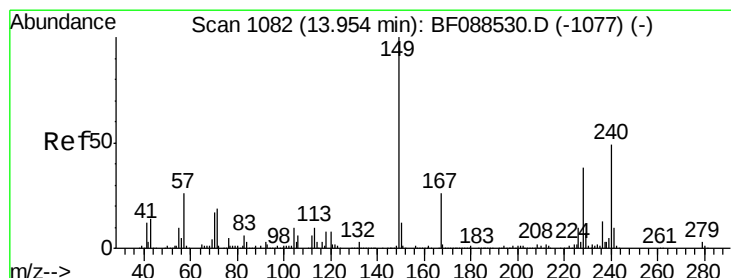
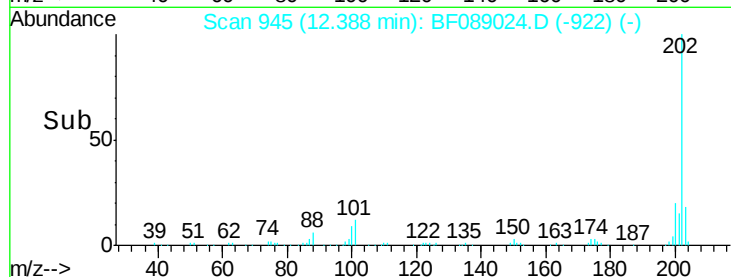
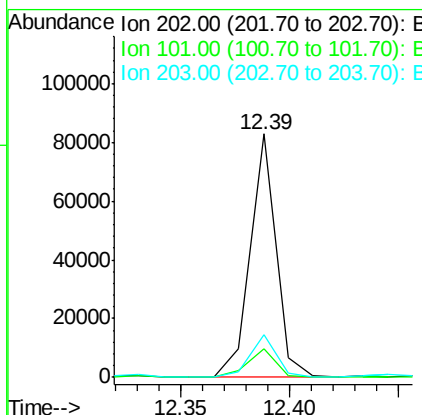
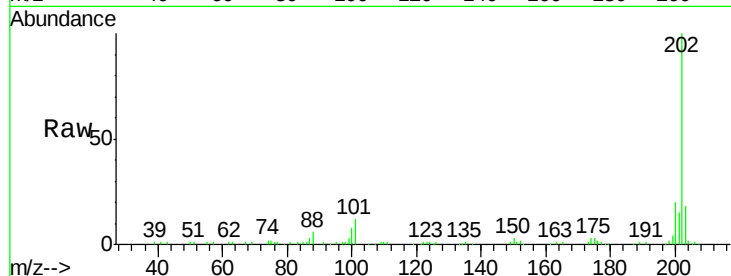




#74
 Fluoranthene
 Concen: 8.38 ng
 RT: 12.39 min Scan# 945
 Delta R.T. -0.03 min
 Lab File: BF089024.D
 Acq: 15 Jul 2016 18:57

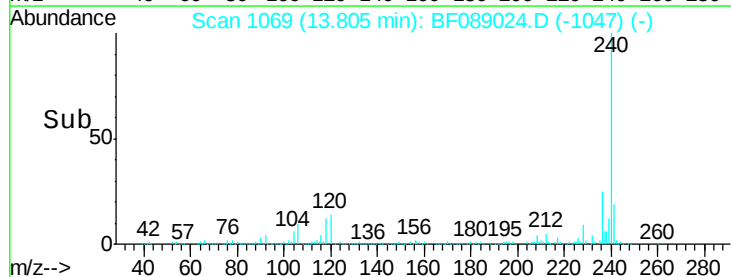
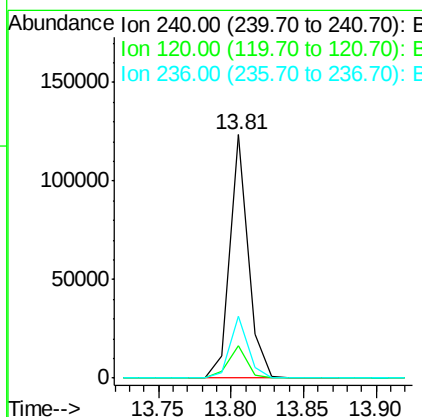
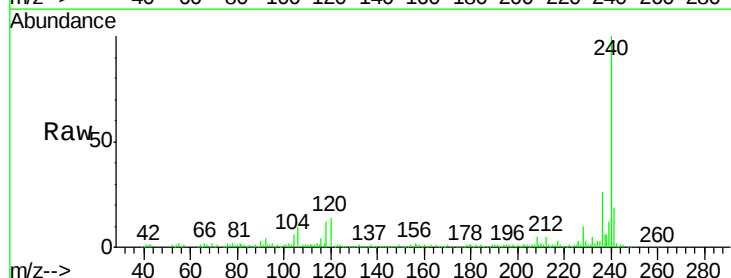
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB02(0-2ft)

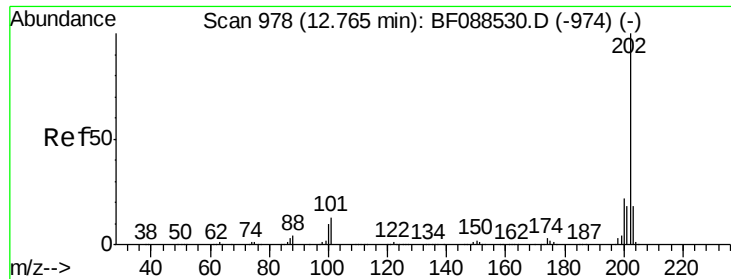
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	33.1
203	17.6	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.81 min Scan# 1069
 Delta R.T. -0.05 min
 Lab File: BF089024.D
 Acq: 15 Jul 2016 18:57

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.6	6.8	10.2#
236	25.6	20.2	30.2





#77

Pyrene

Concen: 7.74 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.03 min

Lab File: BF089024.D

Acq: 15 Jul 2016 18:57

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB02(0-2ft)

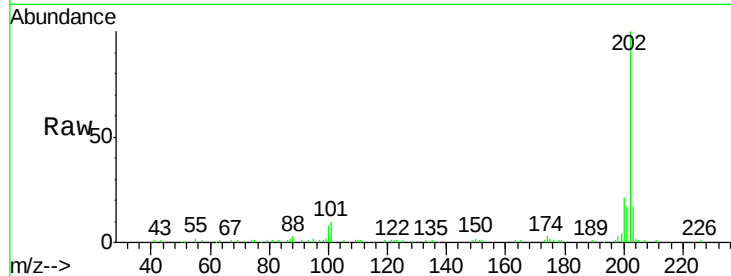
Tgt Ion:202 Resp: 71403

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

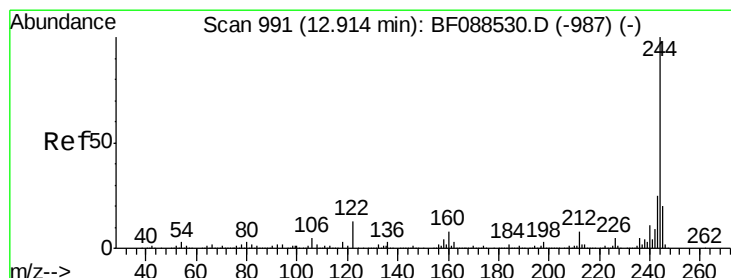
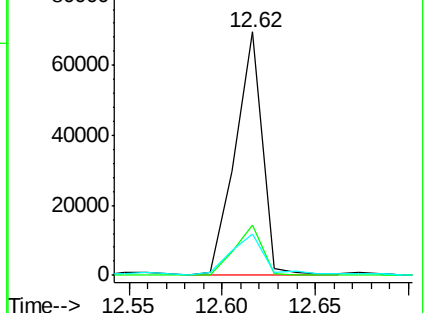
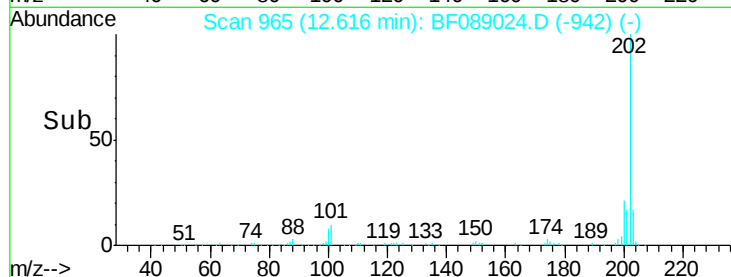
203 17.0 14.5 21.7



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. -0.03 min

Lab File: BF089024.D

Acq: 15 Jul 2016 18:57

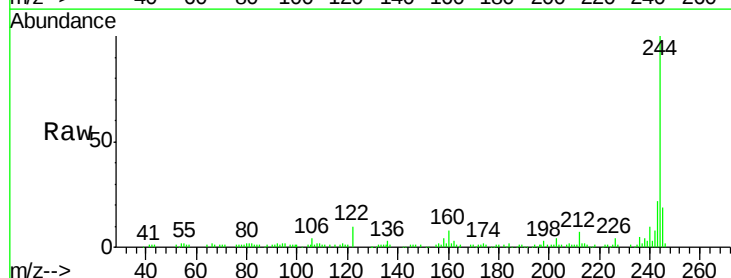
Tgt Ion:244 Resp: 62666

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

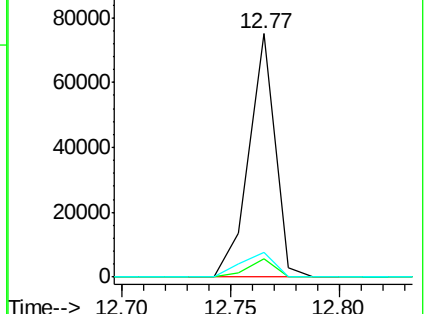
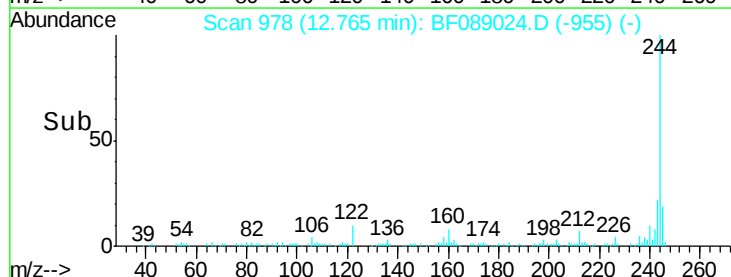
122 10.2 11.2 16.8#

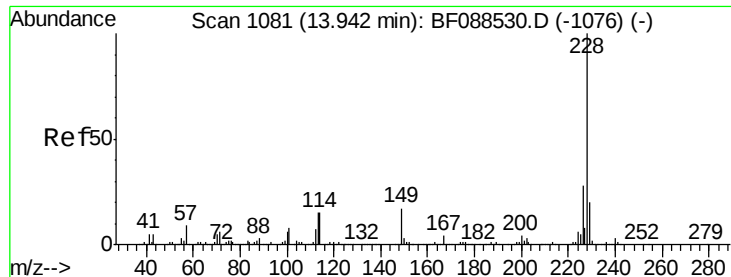


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

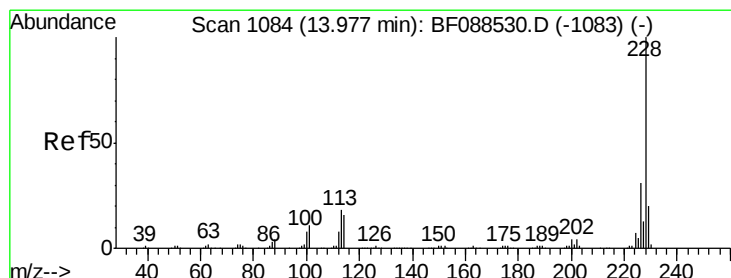
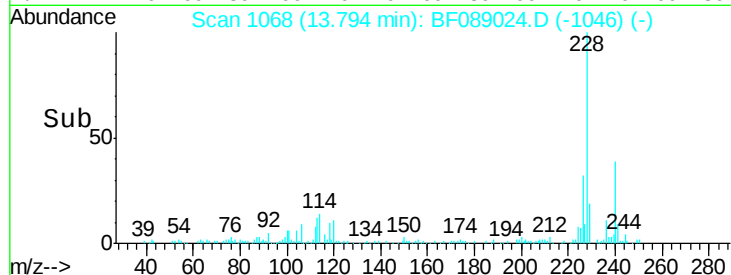
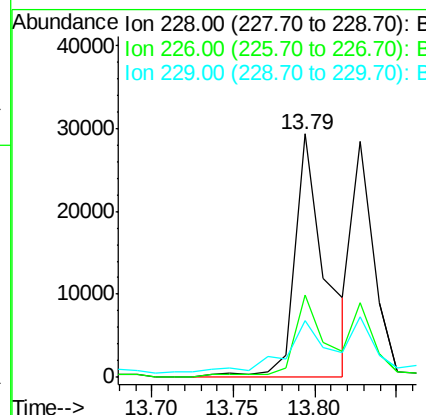
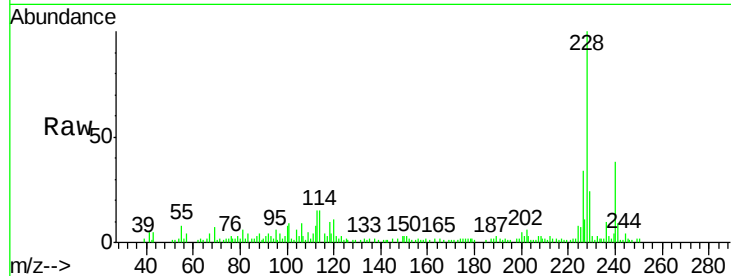




#80
Benzo(a)anthracene
Concen: 5.44 ng
RT: 13.79 min Scan# 1068
Delta R.T. -0.05 min
Lab File: BF089024.D
Acq: 15 Jul 2016 18:57

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

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: 5.50 ng
RT: 13.79 min Scan# 1068
Delta R.T. -0.08 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 25.4 38.2
229 23.5 16.3 24.5

