

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071516\
 Data File : BF089016.D
 Acq On : 15 Jul 2016 14:54
 Operator : UM/SJ
 Sample : H3972-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB10(0-2in)

Quant Time: Jul 15 22:57:22 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	62785	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	251313	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	101300	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	148128	20.00	ng	-0.03
75) Chrysene-d12	13.81	240	110352	20.00	ng	-0.05
86) Perylene-d12	15.18	264	90503	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	306886	73.25	ng	-0.02
7) Phenol-d6	6.33	99	448660	82.88	ng	-0.02
23) Nitrobenzene-d5	7.24	82	287774	60.01	ng	-0.03
41) 2,4,6-Tribromophenol	10.49	330	55022	58.49	ng	-0.05
44) 2-Fluorobiphenyl	9.04	172	390715	60.92	ng	-0.03
78) Terphenyl-d14	12.77	244	194486	39.25	ng	-0.03

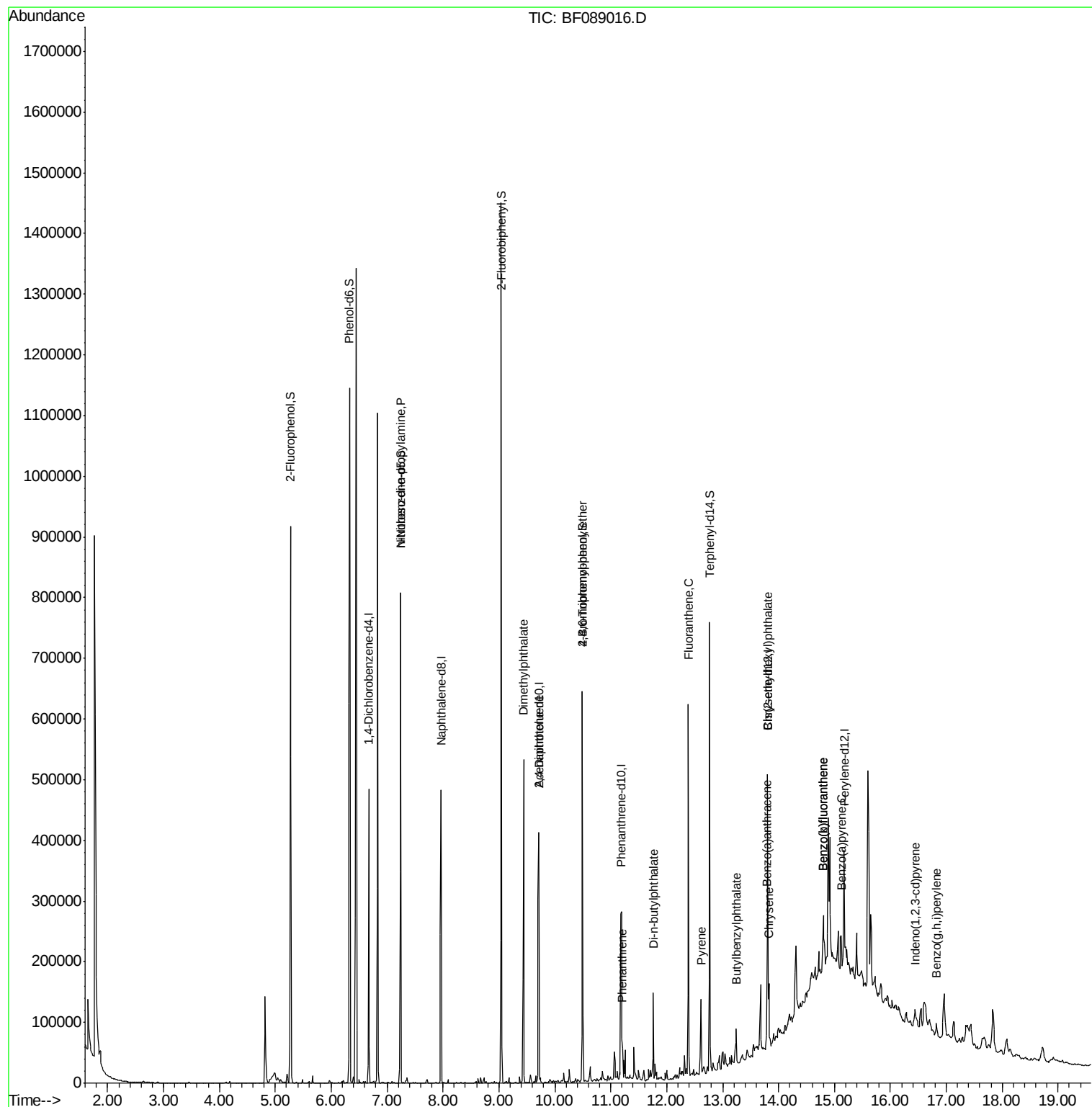
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.24	70	39072	10.75	ng	# 71
49) Dimethylphthalate	9.44	163	217175	30.09	ng	99
56) 2,4-Dinitrotoluene	9.71	165	12871	6.15	ng	# 36
66) 4-Bromophenyl-phenylether	10.49	248	4302	2.88	ng	# 1
70) Phenanthrene	11.21	178	32194	3.98	ng	98
73) Di-n-butylphthalate	11.76	149	68757	7.80	ng	98
74) Fluoranthene	12.39	202	71445	8.70	ng	95
77) Pyrene	12.62	202	67046	7.17	ng	98
79) Butylbenzylphthalate	13.25	149	13154	3.15	ng	90
80) Benzo(a)anthracene	13.79	228	41879	5.89	ng	93
82) Chrysene	13.83	228	29503	4.20	ng	96
83) Bis(2-ethylhexyl)phthalate	13.81	149	12043	2.53	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.45	276	15235	2.82	ng	# 100
87) Benzo(b)fluoranthene	14.80	252	54523	9.60	ng	# 92
88) Benzo(k)fluoranthene	14.80	252	54523	11.03	ng	# 97
89) Benzo(a)pyrene	15.12	252	28057	5.84	ng	# 96
91) Benzo(g,h,i)perylene	16.82	276	14343	3.45	ng	98

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071516\
Data File : BF089016.D
Acq On : 15 Jul 2016 14:54
Operator : UM/SJ
Sample : H3972-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB10(0-2in)

Quant Time: Jul 15 22:57:22 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 445

Delta R.T. -0.03 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2in)

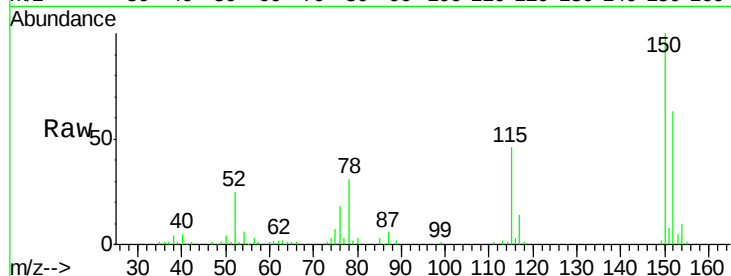
Tgt Ion:152 Resp: 62785

Ion Ratio Lower Upper

152 100

150 159.2 123.8 185.6

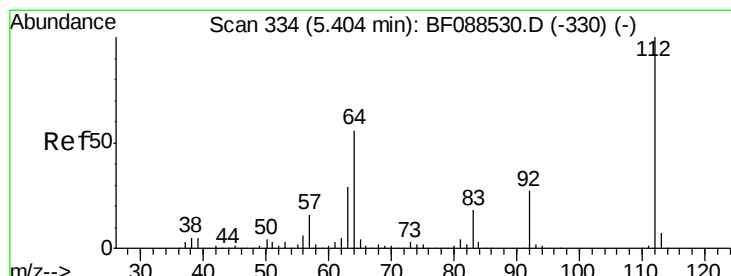
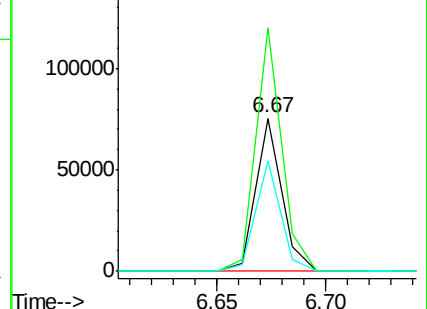
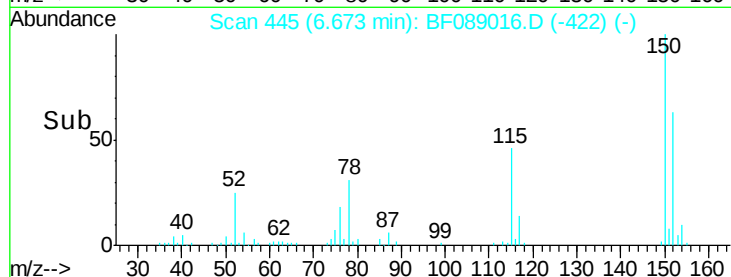
115 72.6 39.6 59.4#



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: 73.25 ng

RT: 5.27 min Scan# 322

Delta R.T. -0.02 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

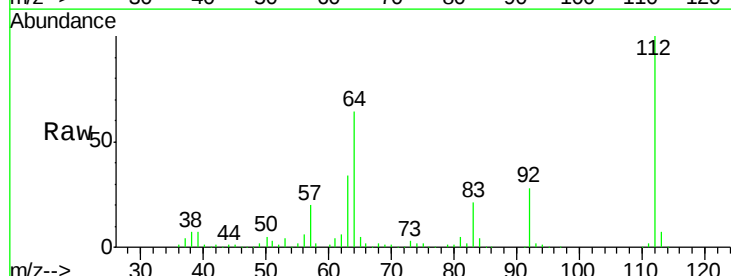
Tgt Ion:112 Resp: 306886

Ion Ratio Lower Upper

112 100

64 64.3 42.2 63.2#

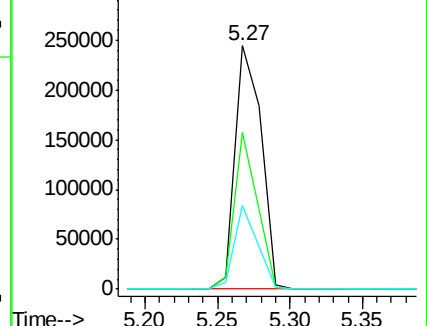
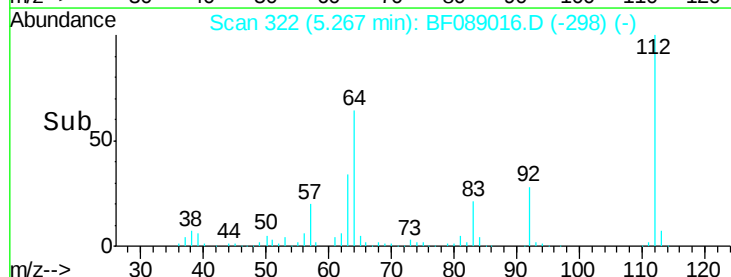
63 34.4 21.8 32.8#



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: 82.88 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2in)

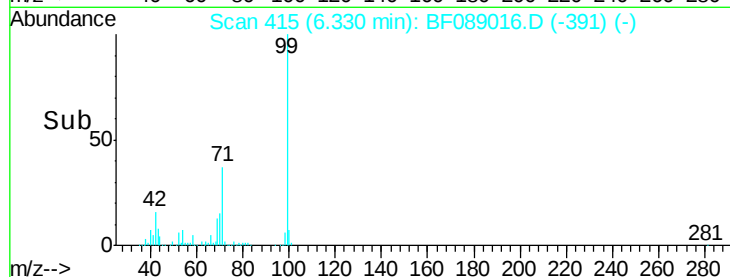
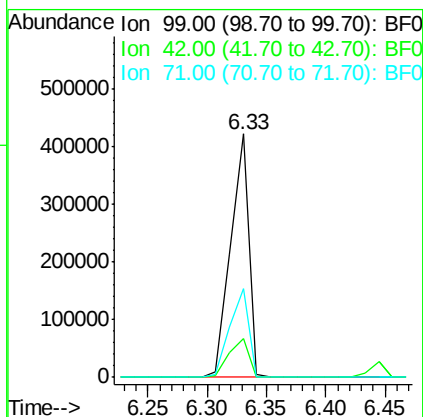
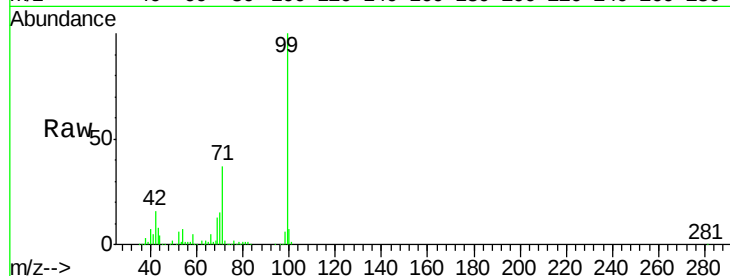
Tgt Ion: 99 Resp: 448660

Ion Ratio Lower Upper

99 100

42 16.1 12.2 18.2

71 36.7 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 10.75 ng

RT: 7.24 min Scan# 495

Delta R.T. 0.10 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

Tgt Ion: 70 Resp: 39072

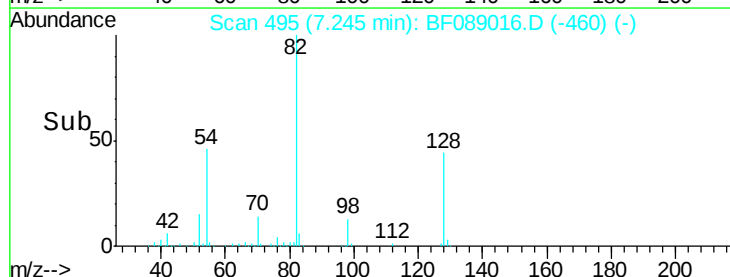
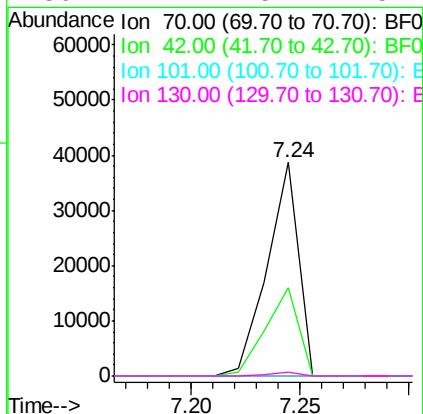
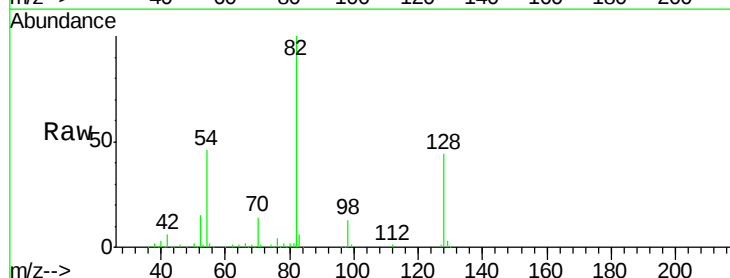
Ion Ratio Lower Upper

70 100

42 41.5 49.6 74.4#

101 0.0 7.1 10.7#

130 2.1 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. -0.03 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

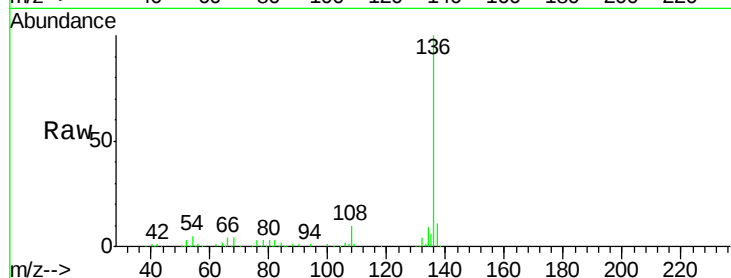
Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2in)

Tgt Ion:	136	Resp:	251313
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	5.3	6.6	10.0#
68	4.2	5.1	7.7#

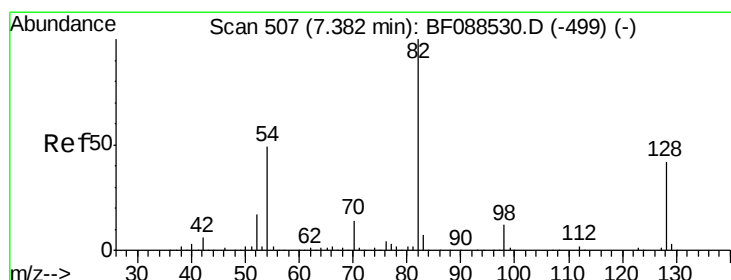
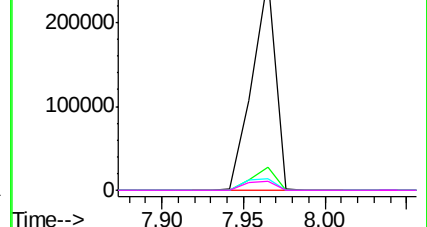
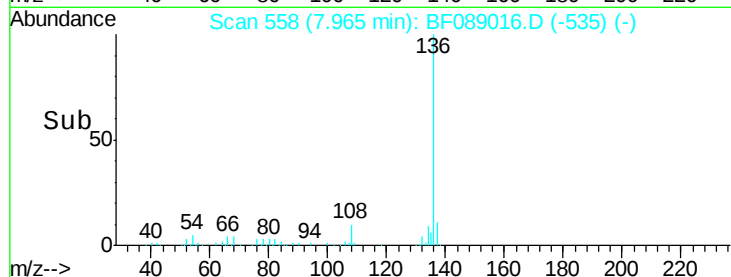


Abundance Ion 136.00 (135.70 to 136.70): E

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: 60.01 ng

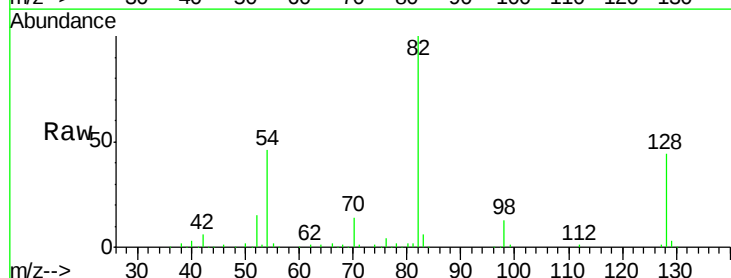
RT: 7.24 min Scan# 495

Delta R.T. -0.03 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

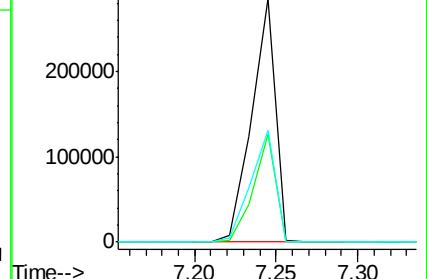
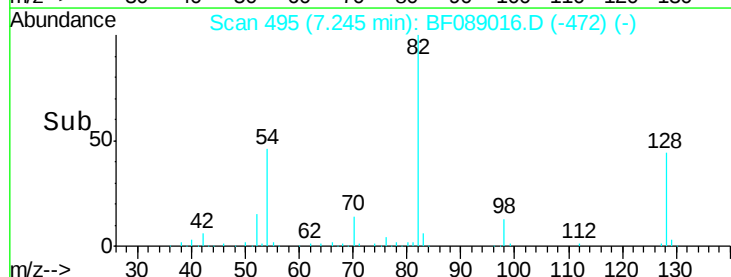
Tgt Ion:	82	Resp:	287774
Ion	Ratio	Lower	Upper
82	100		
128	44.4	35.9	53.9
54	46.2	40.9	61.3

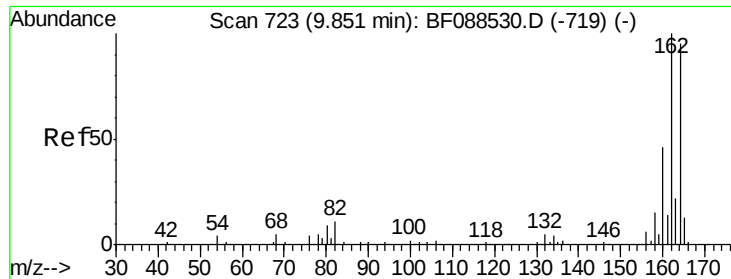


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

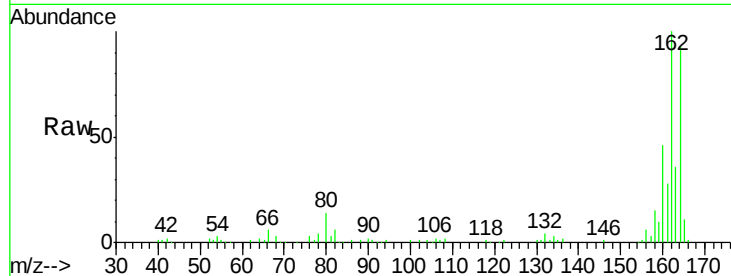




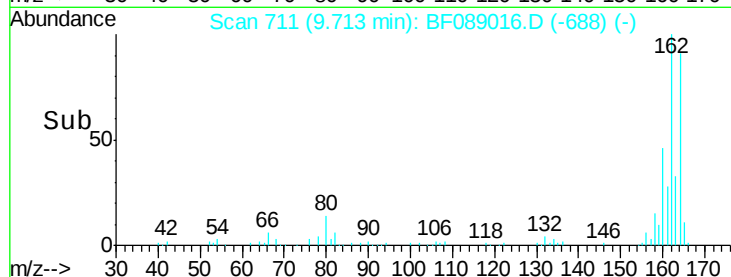
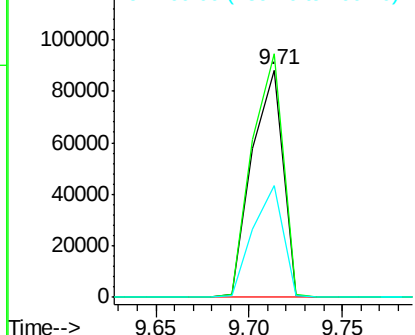
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.03 min
 Lab File: BF089016.D
 Acq: 15 Jul 2016 14:54

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB10(0-2in)

Tgt Ion:164 Resp: 101300
 Ion Ratio Lower Upper
 164 100
 162 107.1 85.4 128.2
 160 48.9 39.5 59.3

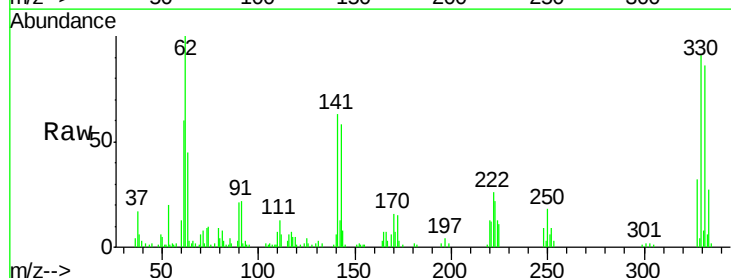


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

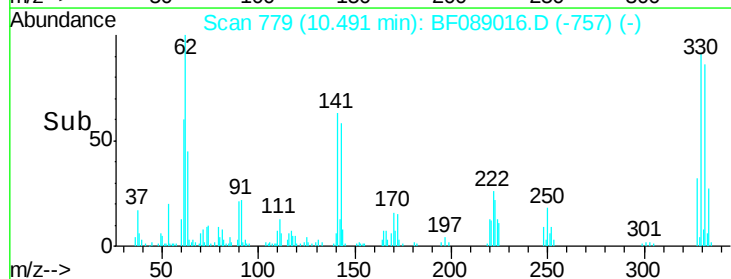
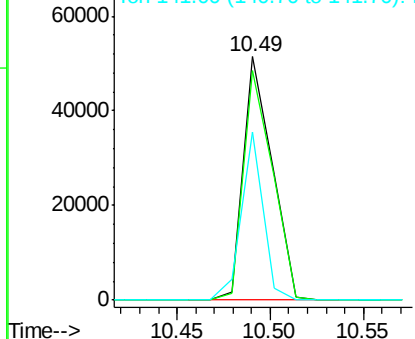


#41
 2,4,6-Tribromophenol
 Concen: 58.49 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.05 min
 Lab File: BF089016.D
 Acq: 15 Jul 2016 14:54

Tgt Ion:330 Resp: 55022
 Ion Ratio Lower Upper
 330 100
 332 95.5 0.0 0.0#
 141 52.9 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

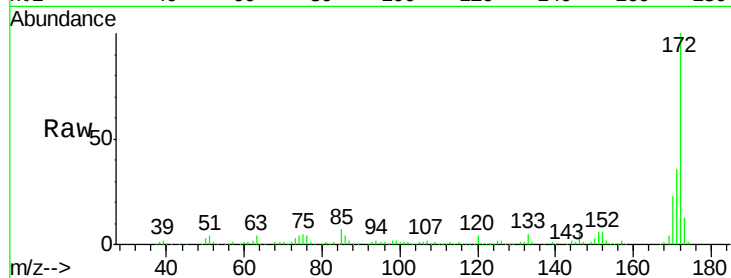




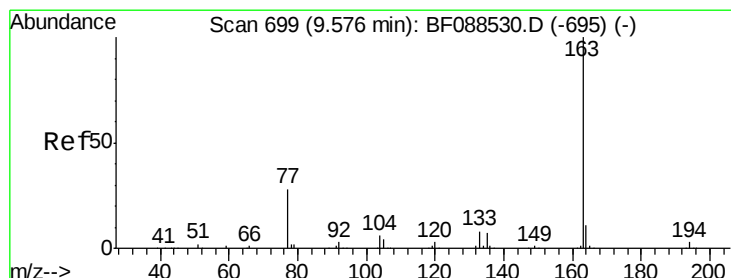
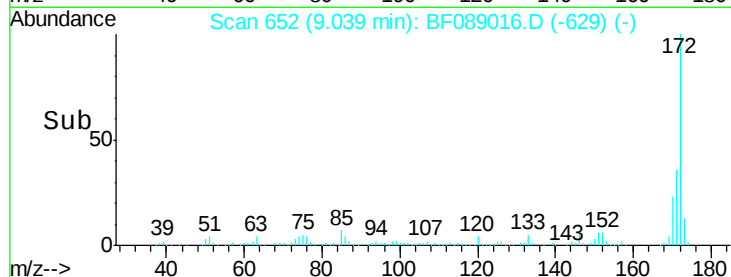
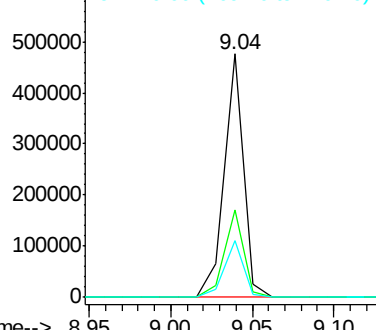
#44
 2-Fluorobiphenyl
 Concen: 60.92 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.03 min
 Lab File: BF089016.D
 Acq: 15 Jul 2016 14:54

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB10(0-2in)

Tgt Ion:172 Resp: 390715
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 23.5 19.2 28.8

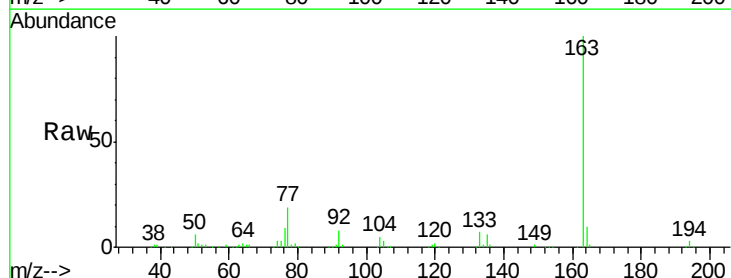


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

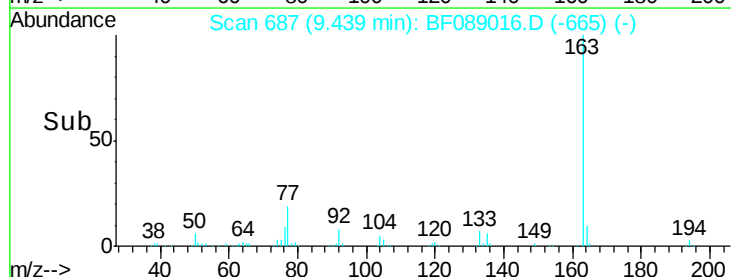
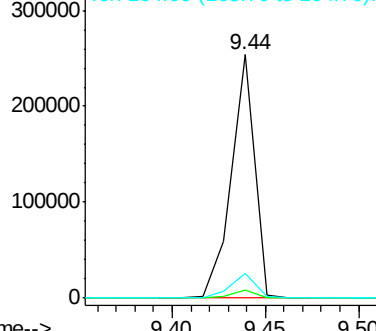


#49
 Dimethylphthalate
 Concen: 30.09 ng
 RT: 9.44 min Scan# 687
 Delta R.T. -0.05 min
 Lab File: BF089016.D
 Acq: 15 Jul 2016 14:54

Tgt Ion:163 Resp: 217175
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.8 4.2
 164 9.9 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

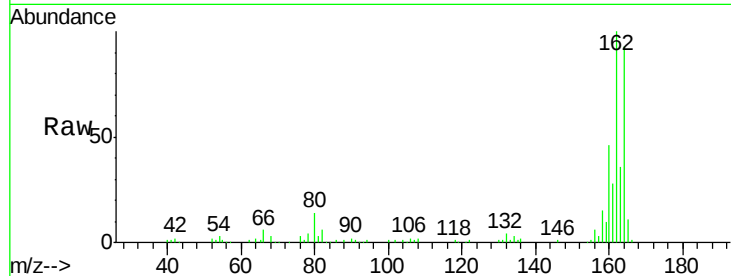




#56
 2,4-Dinitrotoluene
 Concen: 6.15 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.23 min
 Lab File: BF089016.D
 Acq: 15 Jul 2016 14:54

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB10(0-2in)

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#

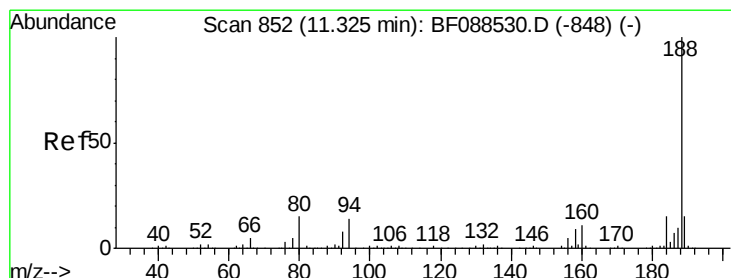
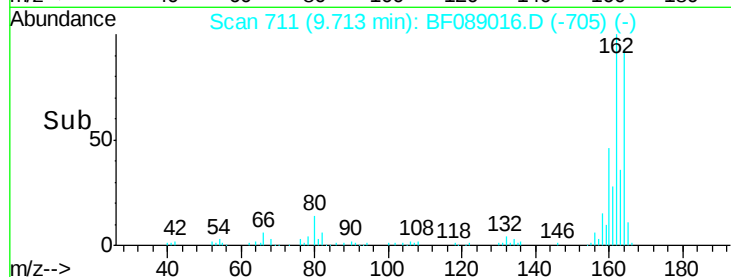
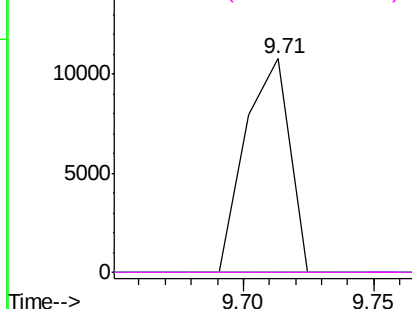


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

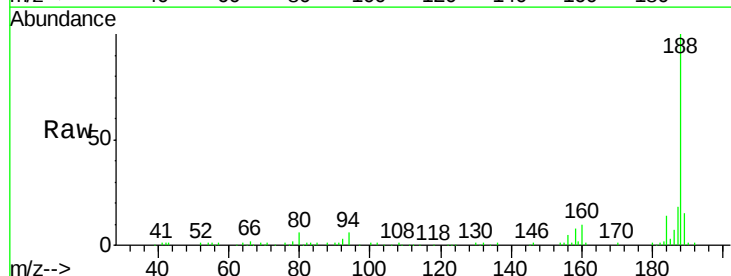
Ion 89.00 (88.70 to 89.70): BF0

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: BF089016.D
 Acq: 15 Jul 2016 14:54

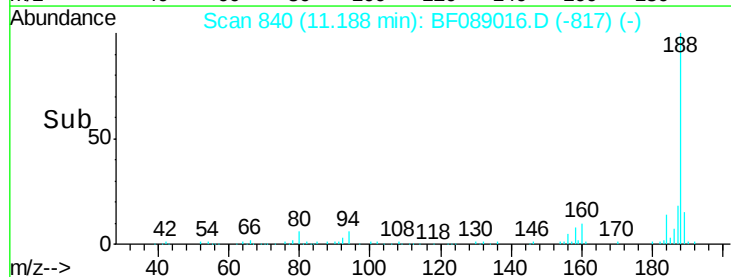
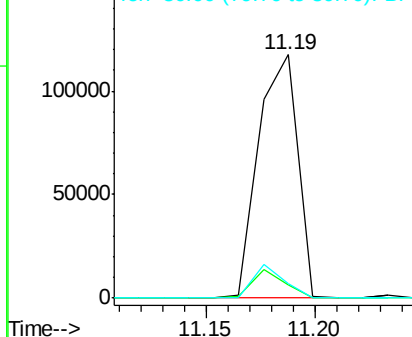
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.7	9.0	13.6#
80	6.0	10.0	15.0#

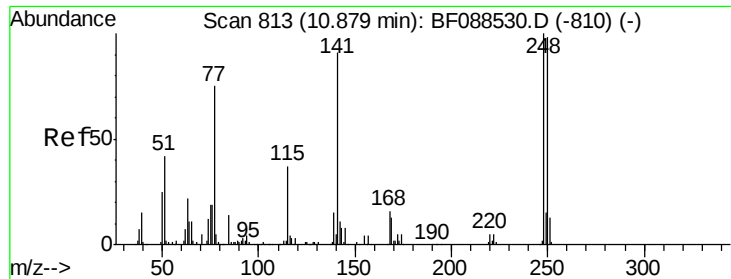


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 2.88 ng

RT: 10.49 min Scan# 779

Delta R.T. -0.29 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2in)

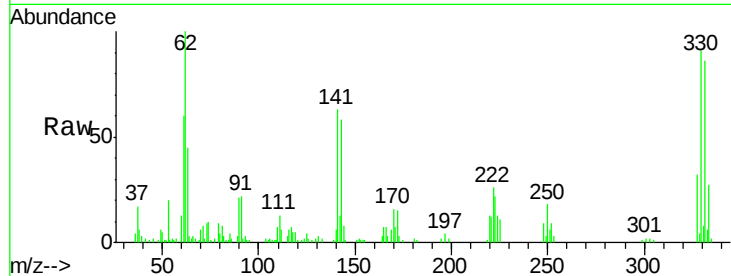
Tgt Ion:248 Resp: 4302

Ion Ratio Lower Upper

248 100

250 192.3 77.1 115.7#

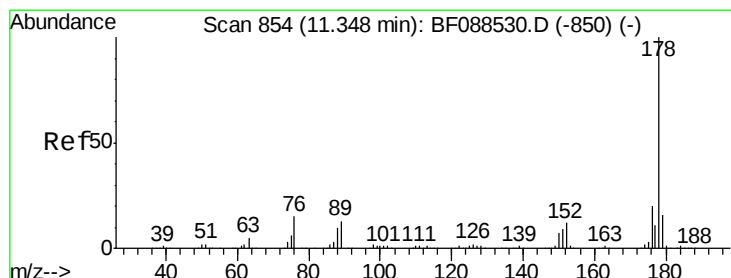
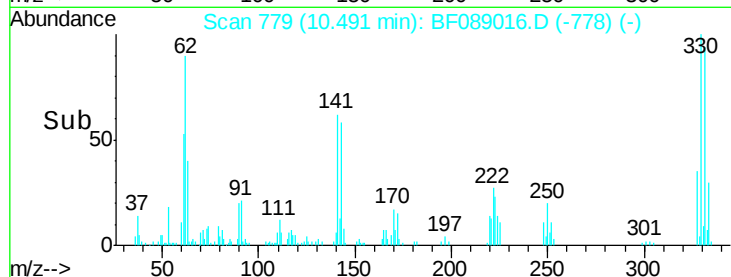
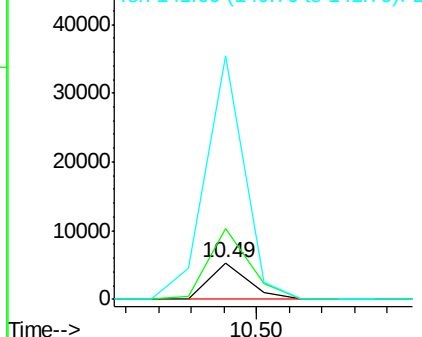
141 663.8 50.6 76.0#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70

Phenanthrene

Concen: 3.98 ng

RT: 11.21 min Scan# 842

Delta R.T. -0.03 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

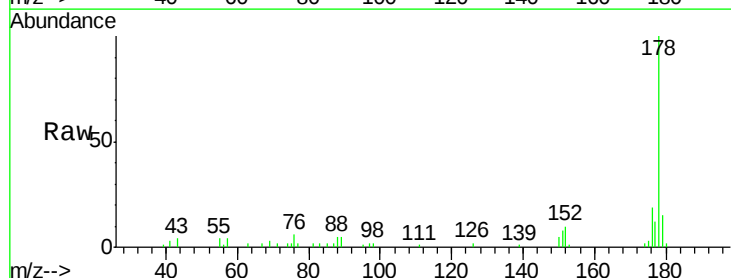
Tgt Ion:178 Resp: 32194

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.6

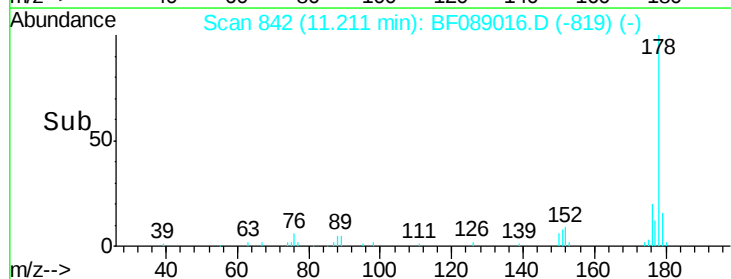
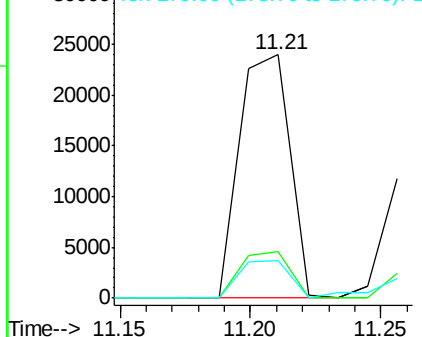
179 15.3 13.0 19.4

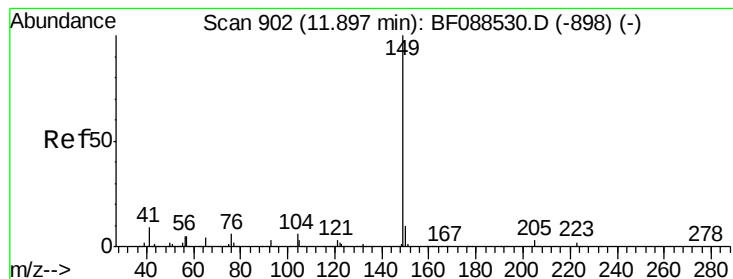


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: 7.80 ng

RT: 11.76 min Scan# 890

Delta R.T. -0.03 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2in)

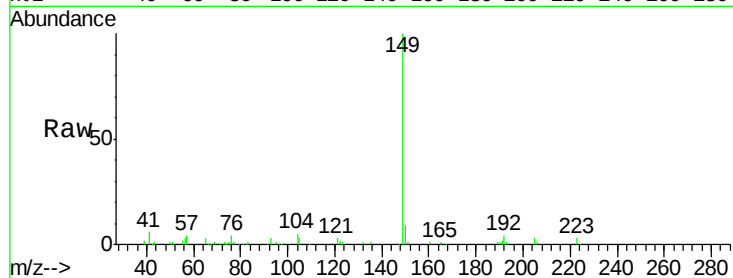
Tgt Ion:149 Resp: 68757

Ion Ratio Lower Upper

149 100

150 8.9 7.8 11.6

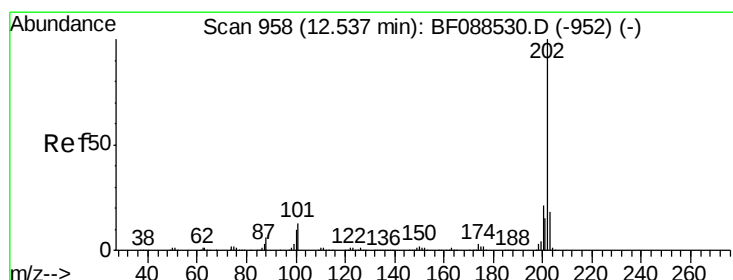
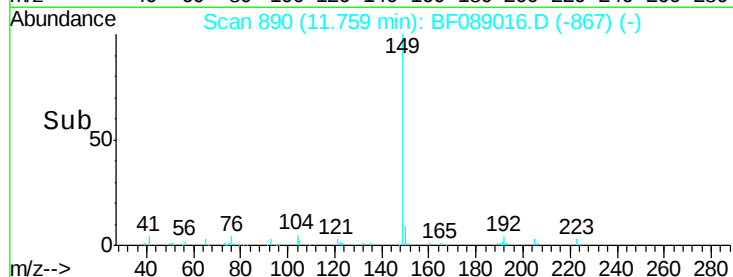
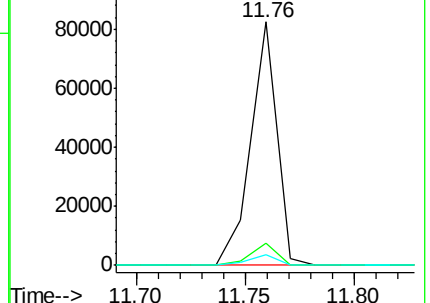
104 4.6 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 8.70 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.03 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

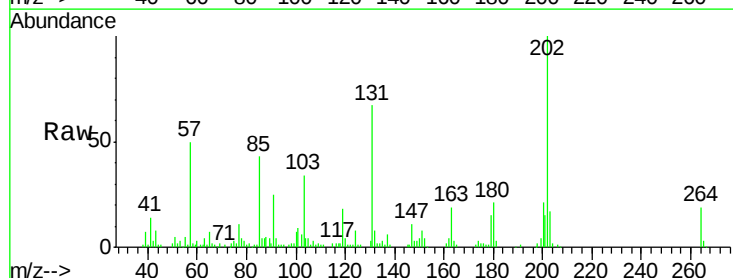
Tgt Ion:202 Resp: 71445

Ion Ratio Lower Upper

202 100

101 9.5 0.0 33.1

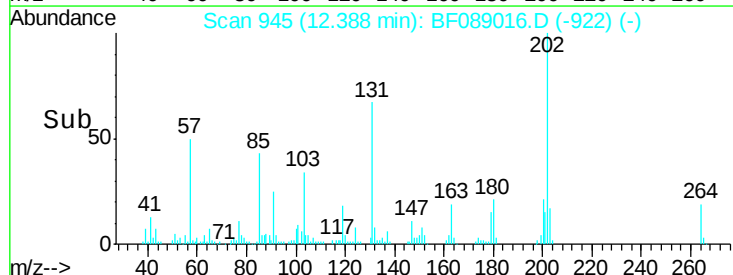
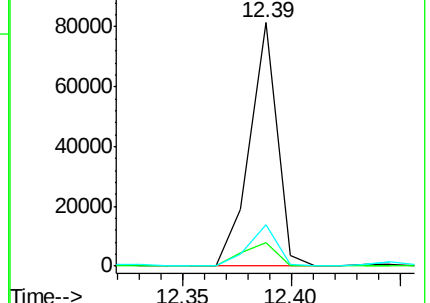
203 17.0 0.0 38.1

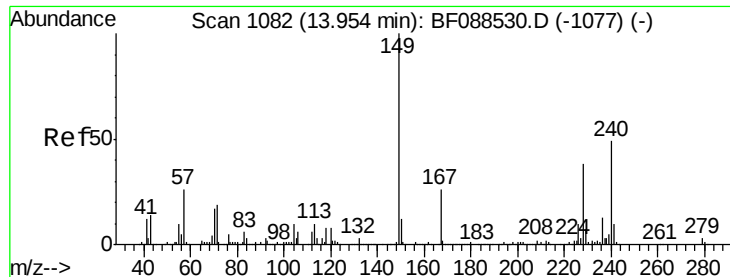


Abundance Ion 202.00 (201.70 to 202.70): E

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. -0.05 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2in)

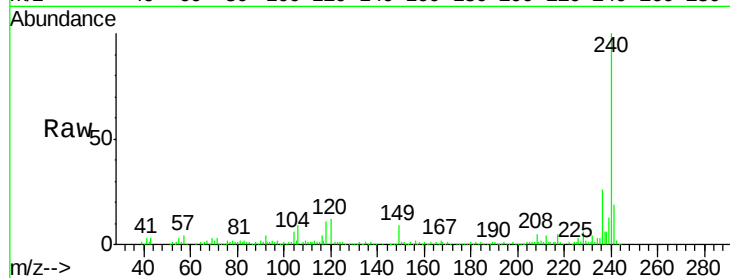
Tgt Ion:240 Resp: 110352

Ion Ratio Lower Upper

240 100

120 12.3 6.8 10.2#

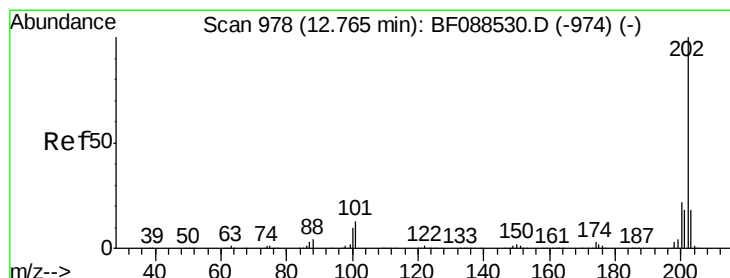
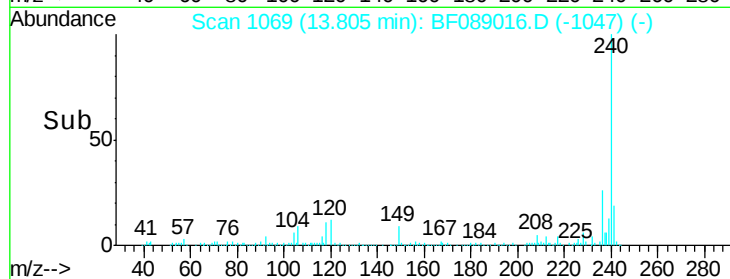
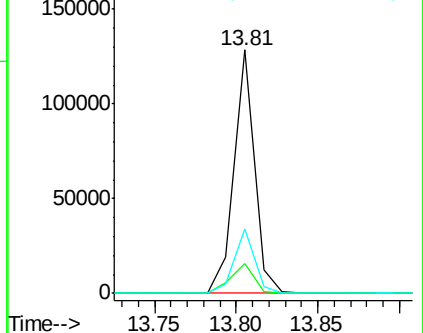
236 26.2 20.2 30.2



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: 7.17 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.03 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

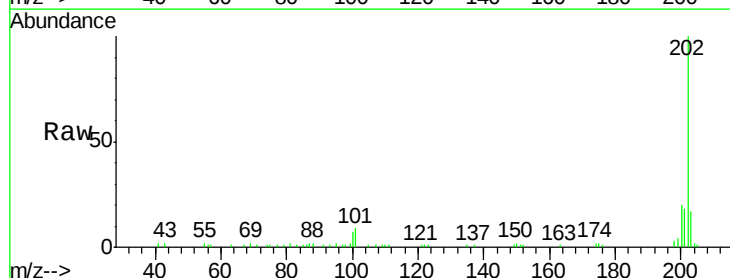
Tgt Ion:202 Resp: 67046

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

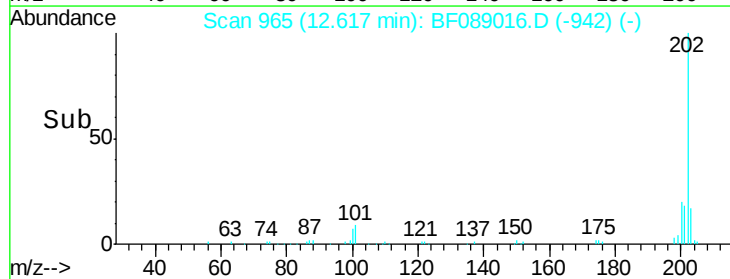
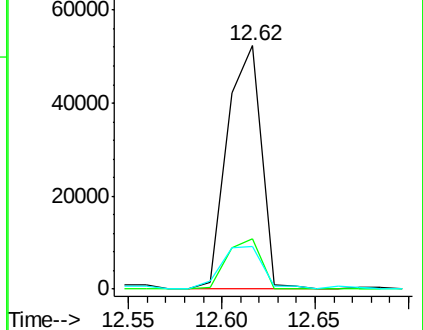
203 17.4 14.5 21.7

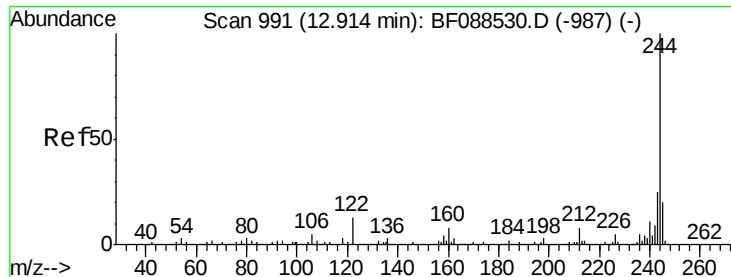


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

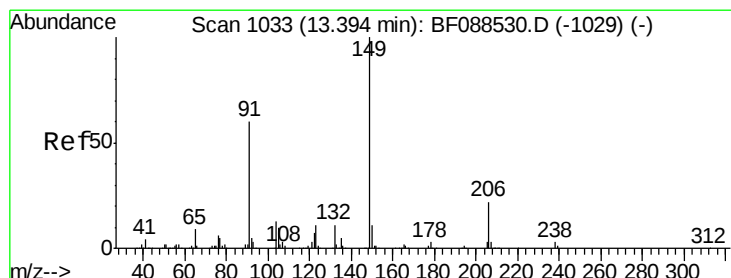
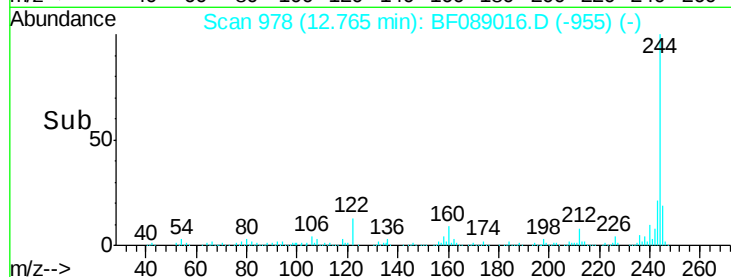
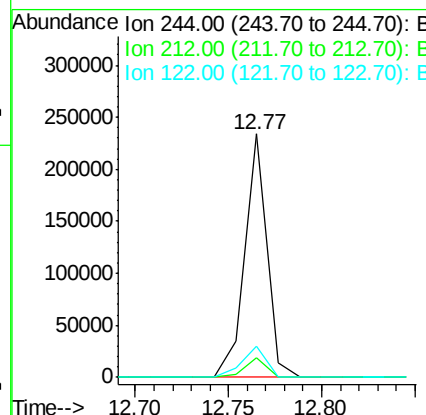
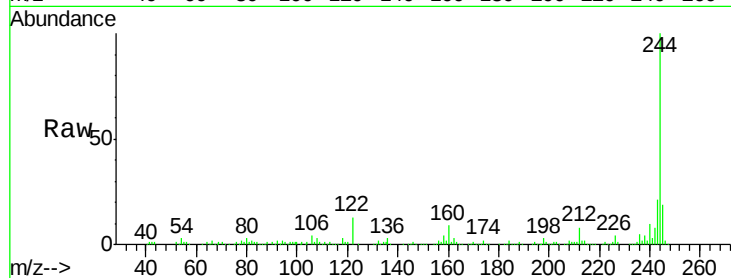




#78
 Terphenyl-d14
 Concen: 39.25 ng
 RT: 12.77 min Scan# 978
 Delta R.T. -0.03 min
 Lab File: BF089016.D
 Acq: 15 Jul 2016 14:54

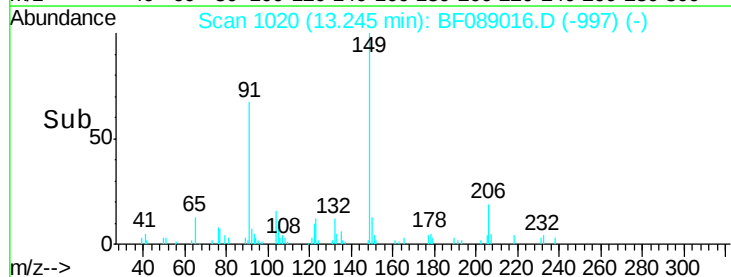
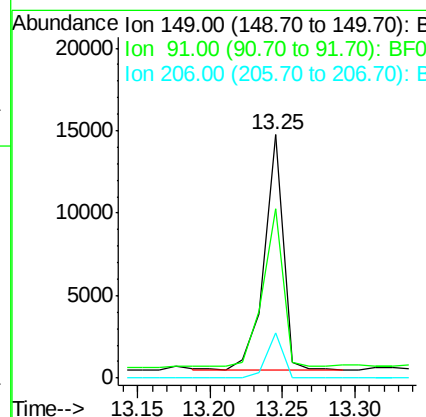
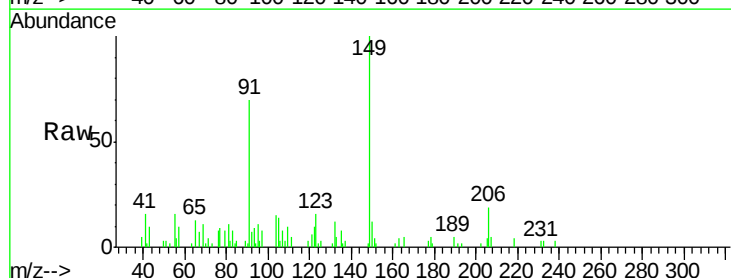
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB10(0-2in)

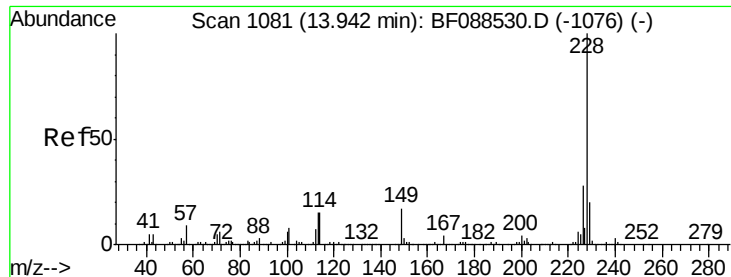
Tgt Ion:244 Resp: 194486
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.0 9.0
 122 12.6 11.2 16.8



#79
 Butylbenzylphthalate
 Concen: 3.15 ng
 RT: 13.25 min Scan# 1020
 Delta R.T. -0.03 min
 Lab File: BF089016.D
 Acq: 15 Jul 2016 14:54

Tgt Ion:149 Resp: 13154
 Ion Ratio Lower Upper
 149 100
 91 69.8 48.0 72.0
 206 18.6 16.0 24.0





#80

Benzo(a)anthracene

Concen: 5.89 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.05 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2in)

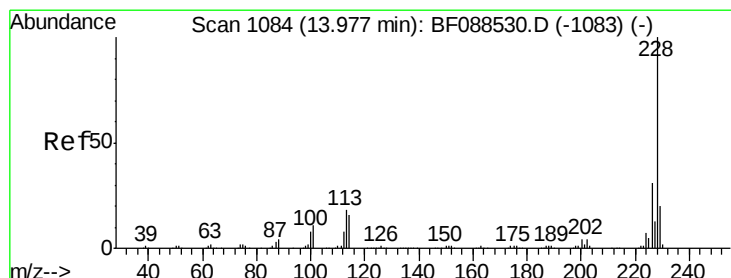
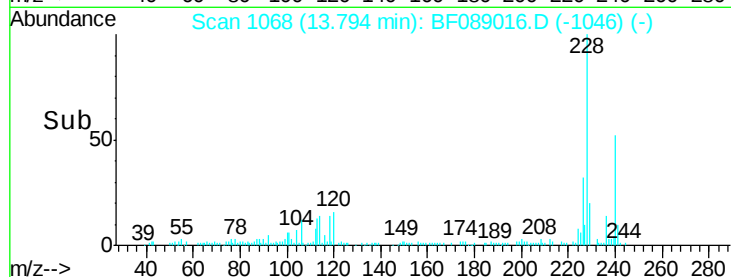
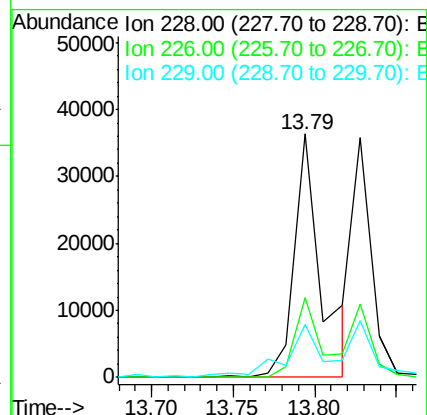
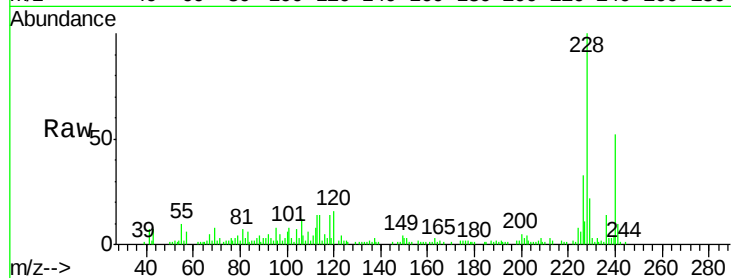
Tgt Ion:228 Resp: 41879

Ion Ratio Lower Upper

228 100

226 32.9 22.3 33.5

229 21.7 16.0 24.0



#82

Chrysene

Concen: 4.20 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.05 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

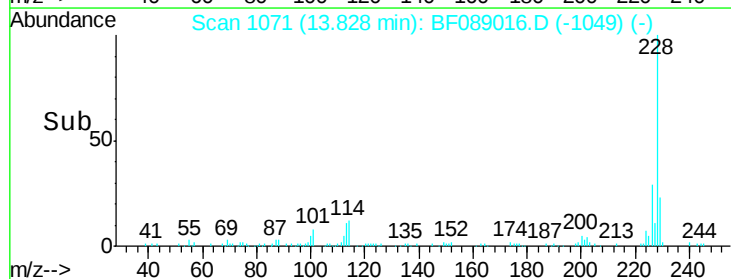
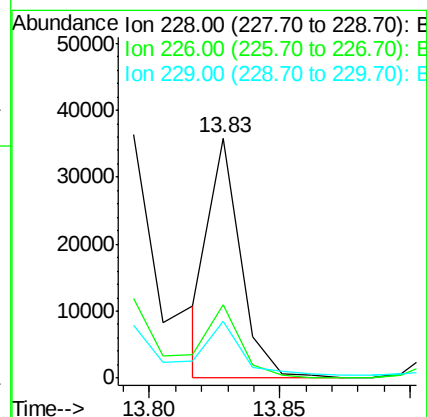
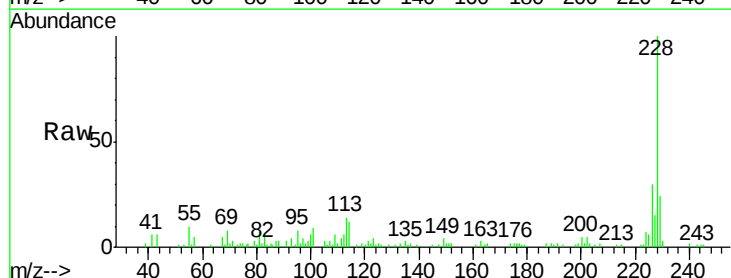
Tgt Ion:228 Resp: 29503

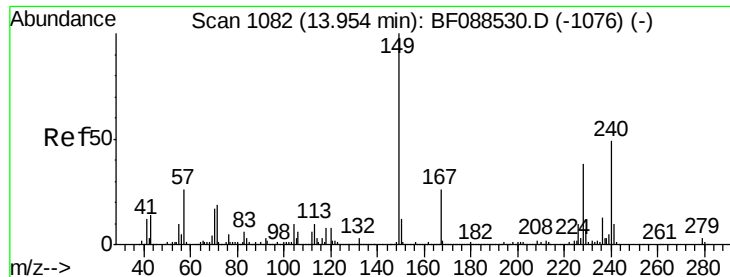
Ion Ratio Lower Upper

228 100

226 30.5 25.4 38.2

229 23.8 16.3 24.5

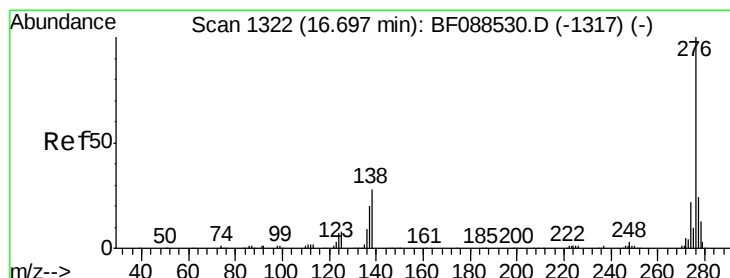
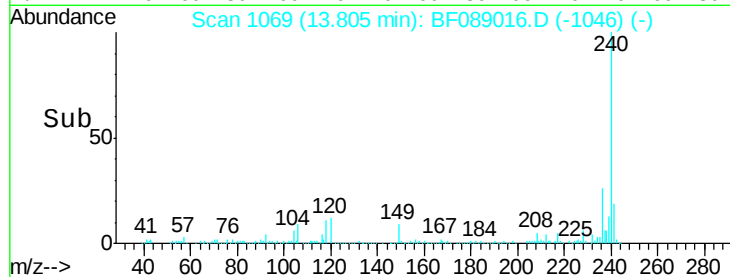
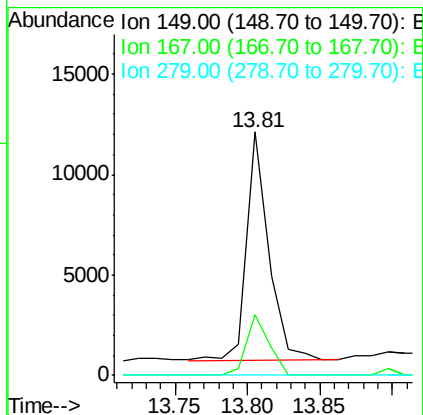
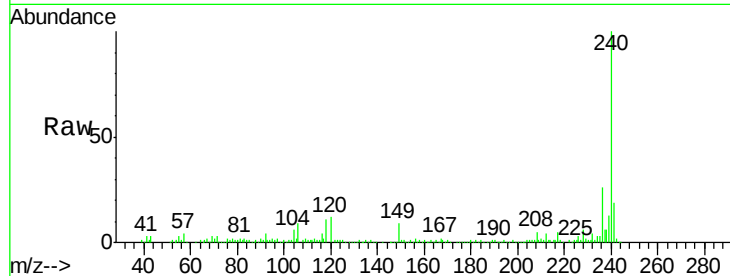




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.53 ng
 RT: 13.81 min Scan# 1069
 Delta R.T. -0.03 min
 Lab File: BF089016.D
 Acq: 15 Jul 2016 14:54

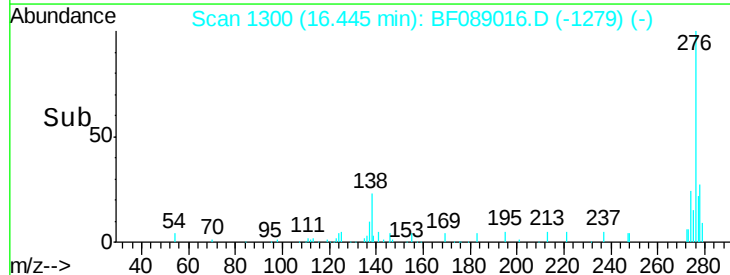
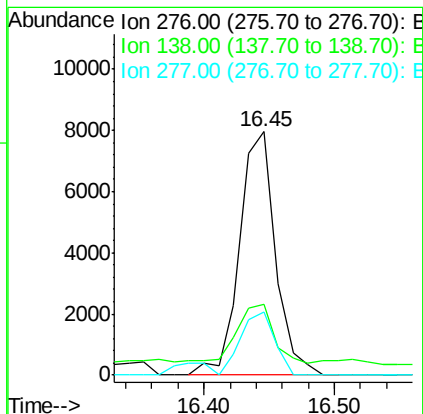
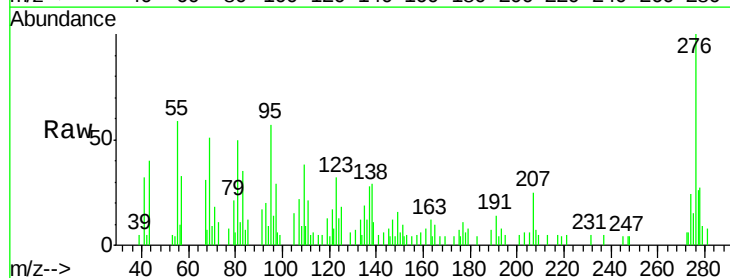
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB10(0-2in)

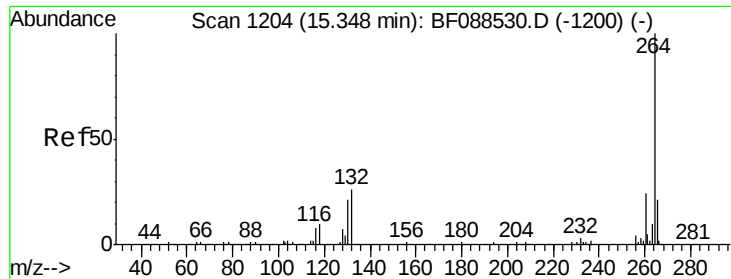
Tgt Ion:149 Resp: 12043
 Ion Ratio Lower Upper
 149 100
 167 25.1 20.5 30.7
 279 0.0 2.0 3.0#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.82 ng
 RT: 16.45 min Scan# 1300
 Delta R.T. -0.06 min
 Lab File: BF089016.D
 Acq: 15 Jul 2016 14:54

Tgt Ion:276 Resp: 15235
 Ion Ratio Lower Upper
 276 100
 138 24.0 0.0 0.0#
 277 24.5 0.0 0.0#

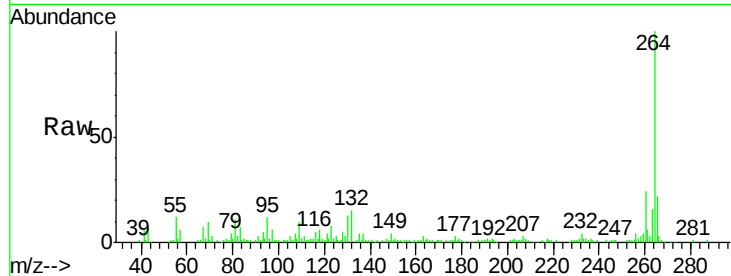




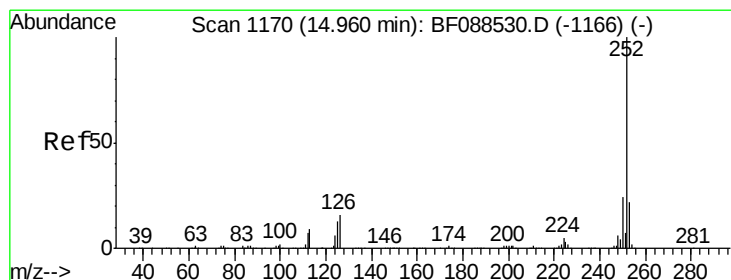
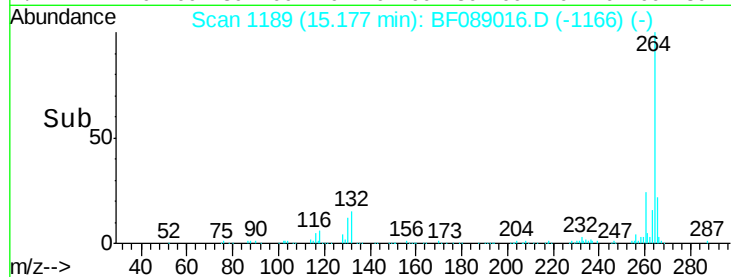
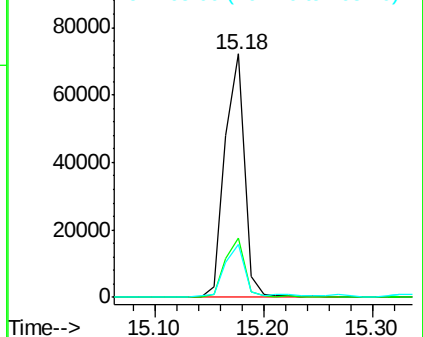
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1189
Delta R.T. -0.03 min
Lab File: BF089016.D
Acq: 15 Jul 2016 14:54

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB10(0-2in)

Tgt Ion: 264 Resp: 90503
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.9 16.9 25.3

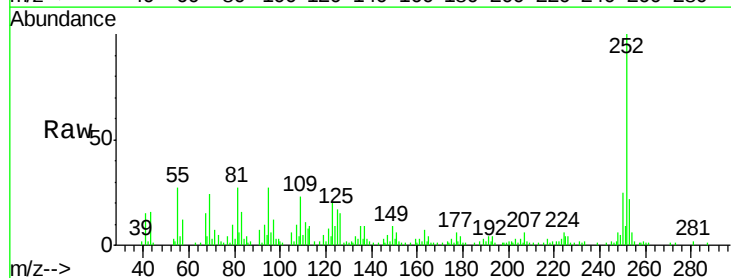


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

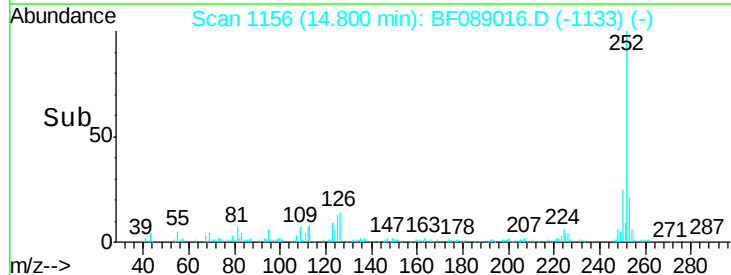
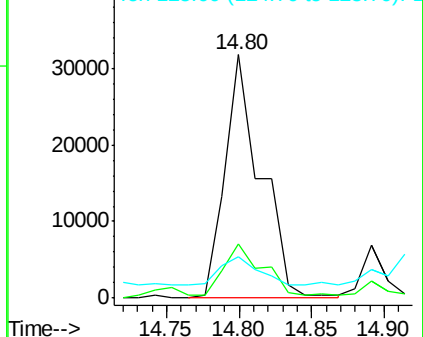


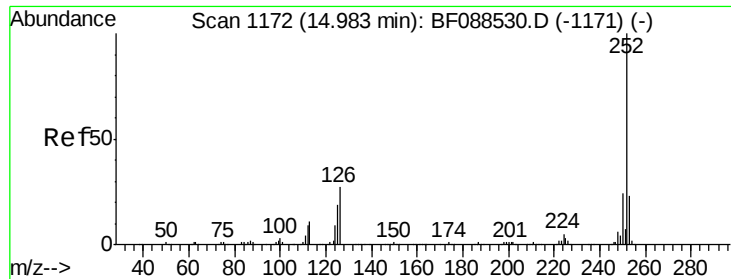
#87
Benzo(b)fluoranthene
Concen: 9.60 ng
RT: 14.80 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF089016.D
Acq: 15 Jul 2016 14:54

Tgt Ion: 252 Resp: 54523
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 17.1 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





#88

Benzo(k)fluoranthene

Concen: 11.03 ng

RT: 14.80 min Scan# 1156

Delta R.T. -0.07 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

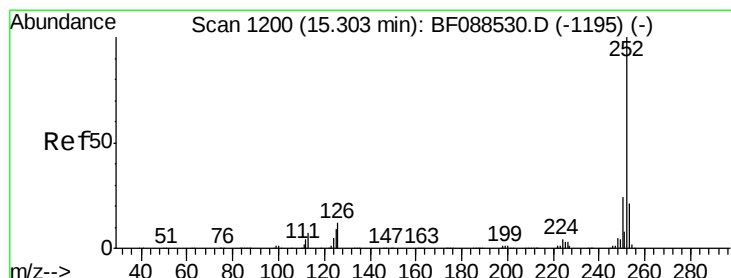
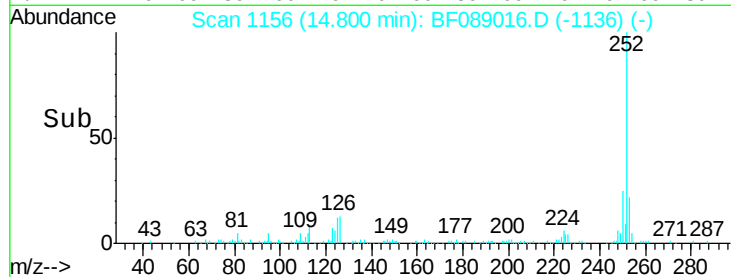
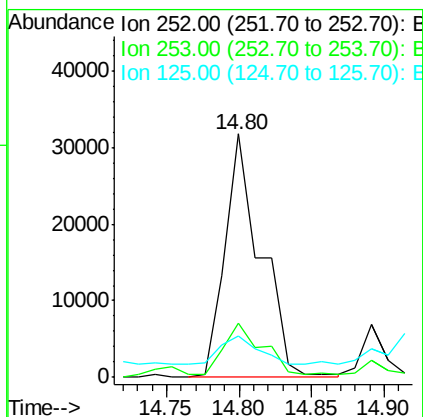
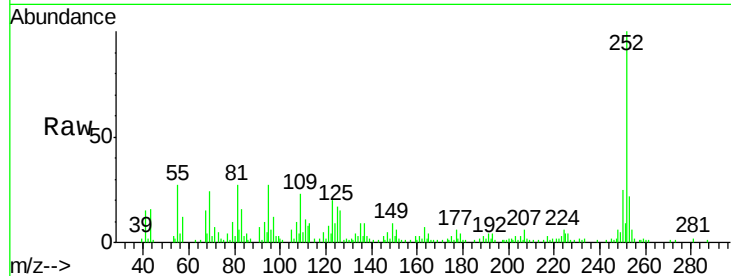
Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2in)

Tgt Ion:	252	Resp:	54523
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.0	27.0
125	17.1	11.2	16.8#



#89

Benzo(a)pyrene

Concen: 5.84 ng

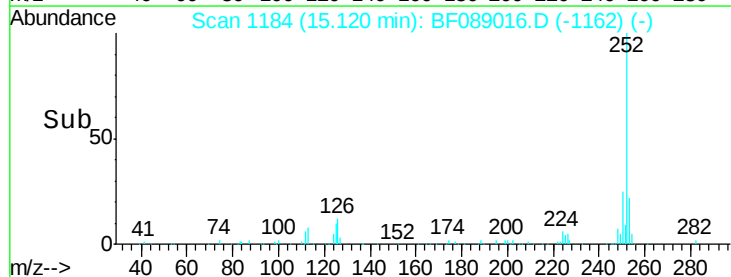
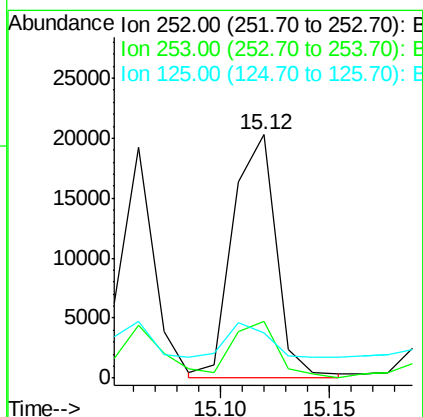
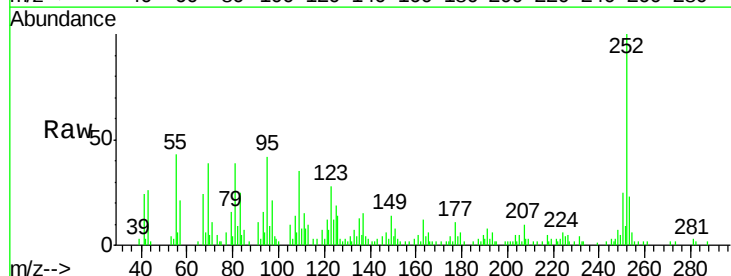
RT: 15.12 min Scan# 1184

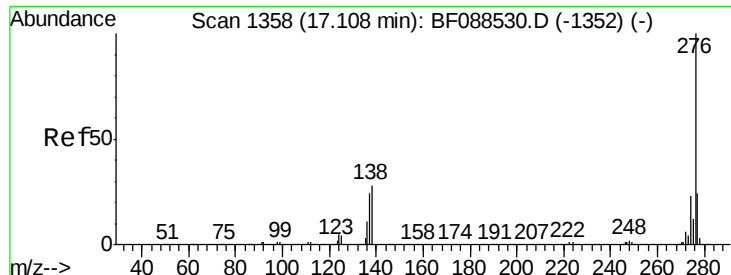
Delta R.T. -0.05 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

Tgt Ion:	252	Resp:	28057
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.9	26.9
125	18.7	12.5	18.7#





#91

Benzo(g,h,i)perylene

Concen: 3.45 ng

RT: 16.82 min Scan# 1333

Delta R.T. -0.07 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2in)

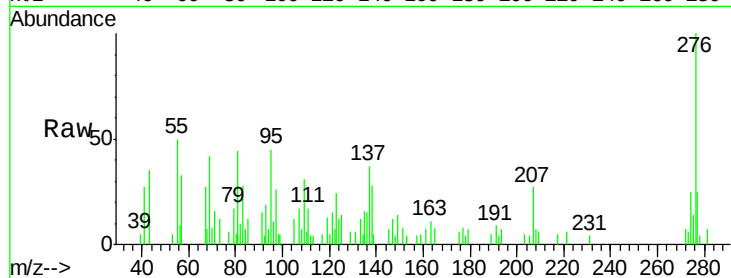
Tgt Ion:276 Resp: 14343

Ion Ratio Lower Upper

276 100

277 24.8 18.9 28.3

138 27.6 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

