

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092716\
 Data File : BF090264.D
 Acq On : 27 Sep 2016 20:55
 Operator : UM/SJ
 Sample : H4949-03 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-2-1-LOC-2(0-5)

Quant Time: Sep 28 00:44:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 26 15:58:38 2016
 Response via : Initial Calibration

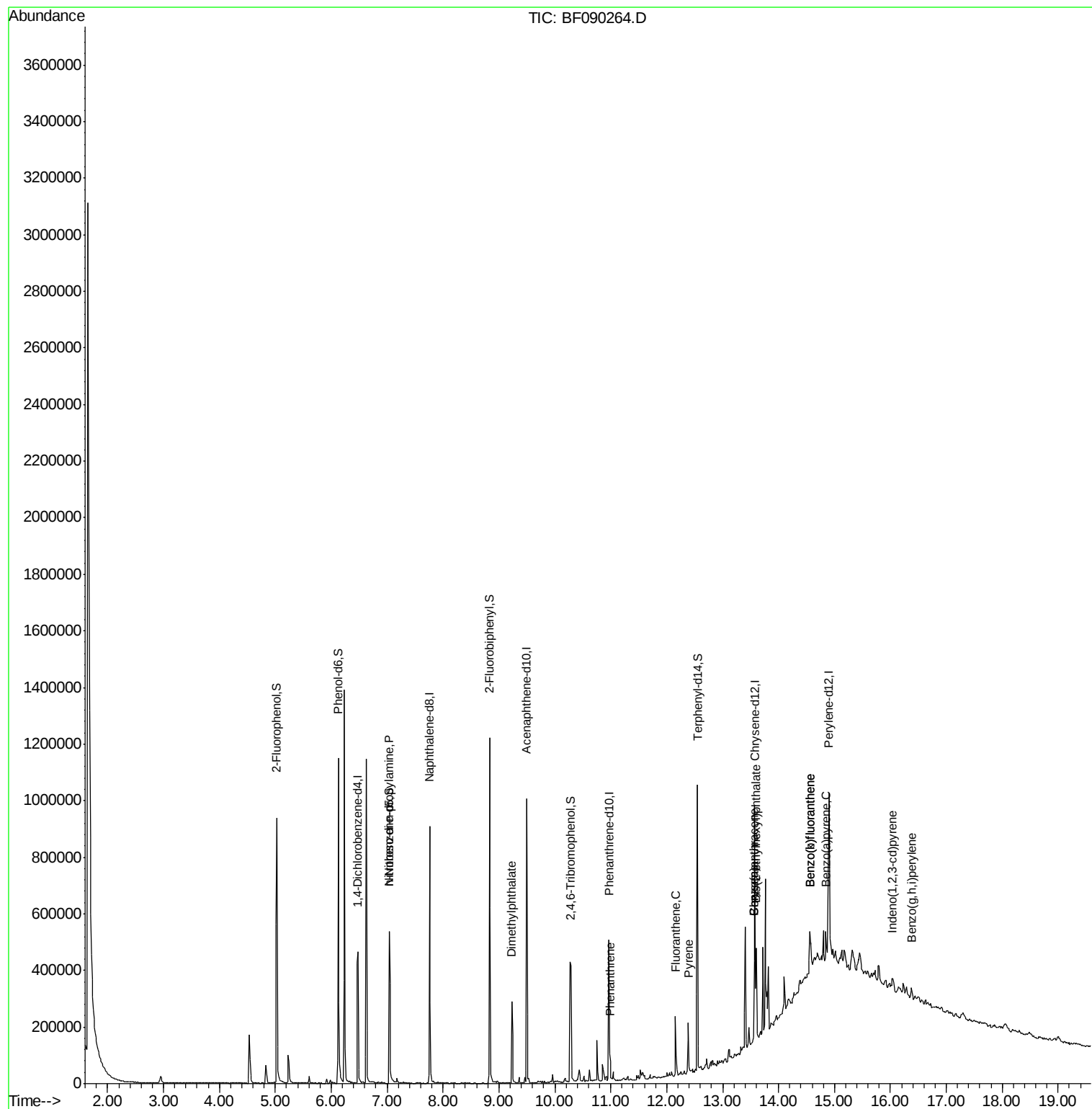
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	119609	20.00	ng	0.00
21) Naphthalene-d8	7.76	136	452561	20.00	ng	-0.01
38) Acenaphthene-d10	9.50	164	217646	20.00	ng	-0.01
63) Phenanthrene-d10	10.97	188	292720	20.00	ng	-0.01
75) Chrysene-d12	13.58	240	286351	20.00	ng	-0.02
86) Perylene-d12	14.90	264	264873	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	399986	54.51	ng	0.00
7) Phenol-d6	6.12	99	475337	52.45	ng	-0.01
23) Nitrobenzene-d5	7.04	82	267147	34.22	ng	-0.02
41) 2,4,6-Tribromophenol	10.28	330	88417	47.35	ng	-0.01
44) 2-Fluorobiphenyl	8.83	172	483980	43.66	ng	-0.02
78) Terphenyl-d14	12.55	244	322071	28.56	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.04	70	29693	5.58	ng	# 82
49) Dimethylphthalate	9.23	163	162955	11.76	ng	# 99
70) Phenanthrene	10.99	178	38768	2.83	ng	99
74) Fluoranthene	12.16	202	87432	5.95	ng	99
77) Pyrene	12.39	202	86383	4.41	ng	97
80) Benzo(a)anthracene	13.57	228	59490	3.86	ng	93
82) Chrysene	13.57	228	59490	3.96	ng	97
83) Bis(2-ethylhexyl)phthalate	13.60	149	56782	4.63	ng	98
85) Indeno(1,2,3-cd)pyrene	16.03	276	27474	2.26	ng	93
87) Benzo(b)fluoranthene	14.56	252	90680	6.18	ng	94
88) Benzo(k)fluoranthene	14.56	252	90680	6.59	ng	# 89
89) Benzo(a)pyrene	14.85	252	48008	3.48	ng	# 85
91) Benzo(g,h,i)perylene	16.38	276	29529	2.80	ng	95

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

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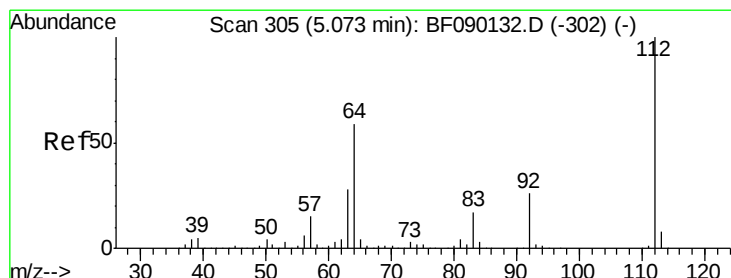
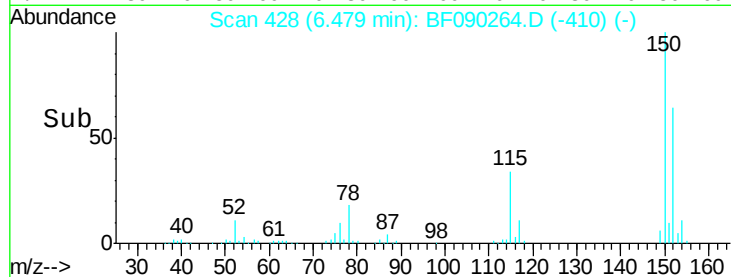
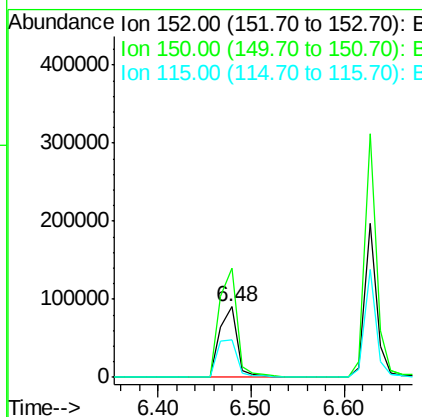
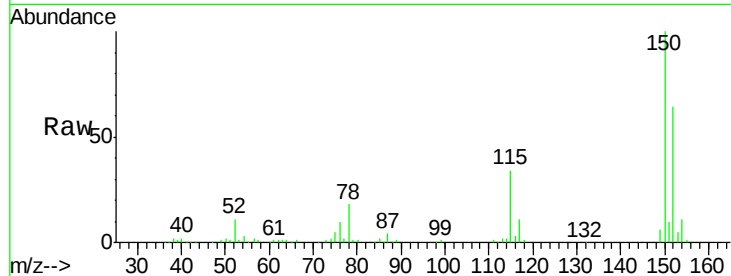




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.48 min Scan# 428
 Delta R.T. 0.00 min
 Lab File: BF090264.D
 Acq: 27 Sep 2016 20:55

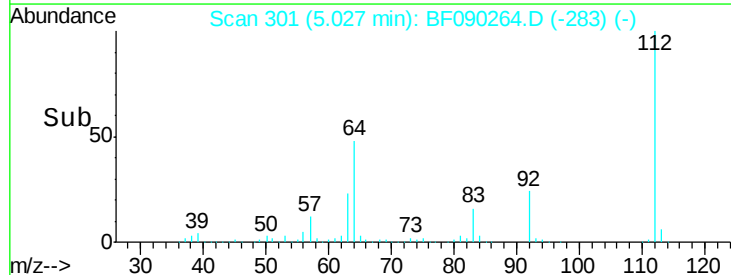
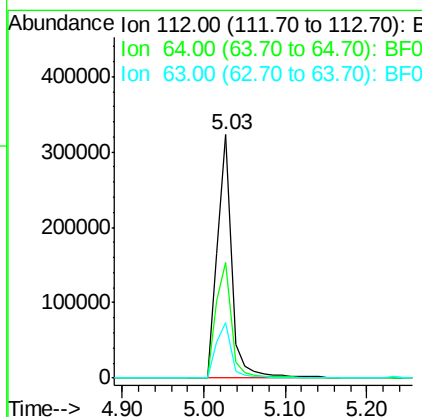
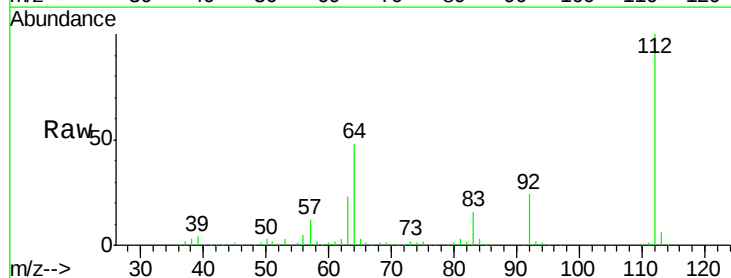
Instrument :
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 S-2-1-LOC-2(0-5)

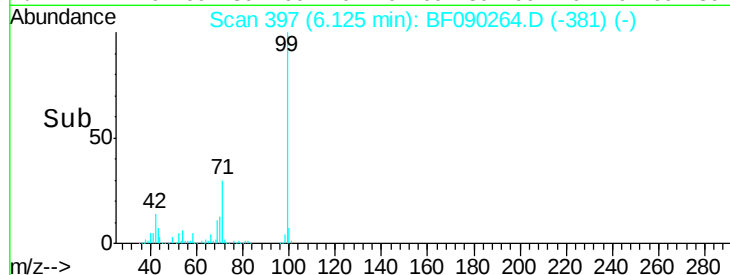
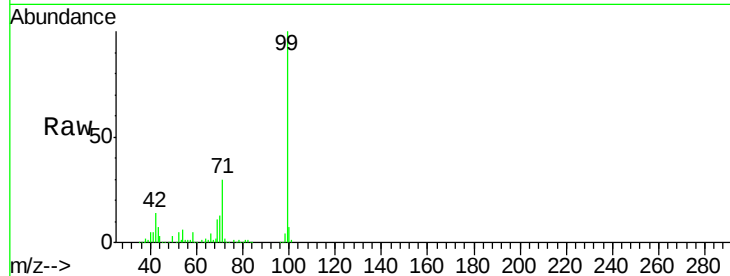
Tgt Ion:152 Resp: 119609
 Ion Ratio Lower Upper
 152 100
 150 155.5 128.9 193.3
 115 52.8 55.5 83.3#



#5
 2-Fluorophenol
 Concen: 54.51 ng
 RT: 5.03 min Scan# 301
 Delta R.T. 0.00 min
 Lab File: BF090264.D
 Acq: 27 Sep 2016 20:55

Tgt Ion:112 Resp: 399986
 Ion Ratio Lower Upper
 112 100
 64 47.6 39.8 59.6
 63 23.0 18.9 28.3





#7

Phenol-d6

Concen: 52.45 ng

RT: 6.12 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF090264.D

Acq: 27 Sep 2016 20:55

Instrument :

BNA_F

ClientSampleId :

S-2-1-LOC-2(0-5)

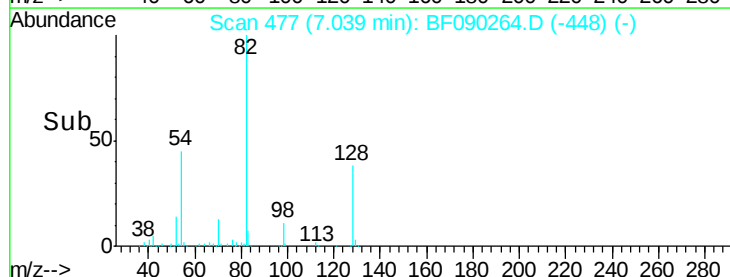
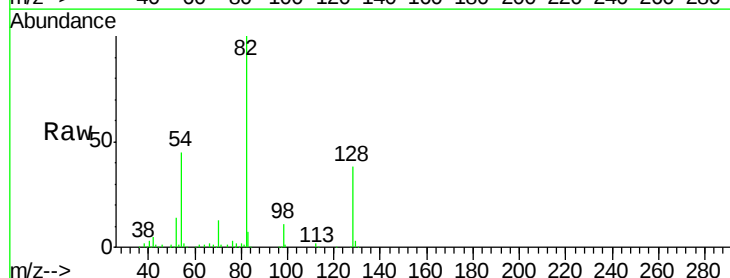
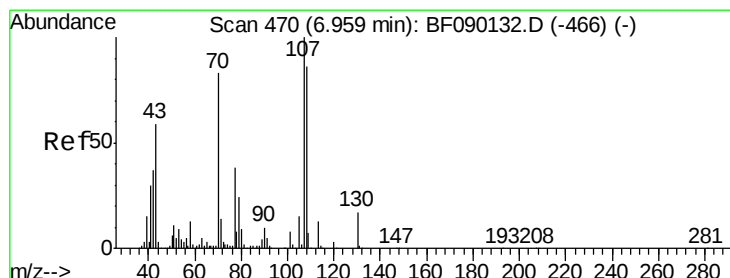
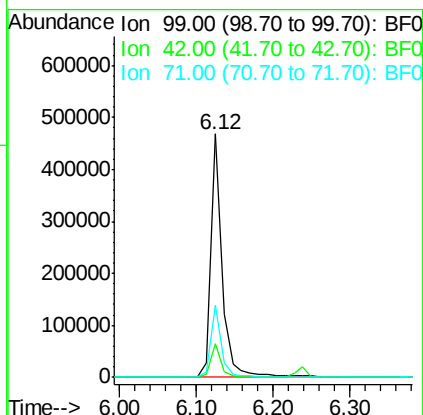
Tgt Ion: 99 Resp: 475337

Ion Ratio Lower Upper

99 100

42 13.8 10.6 15.8

71 29.6 23.0 34.6



#19

n-Nitroso-di-n-propylamine

Concen: 5.58 ng

RT: 7.04 min Scan# 477

Delta R.T. 0.13 min

Lab File: BF090264.D

Acq: 27 Sep 2016 20:55

Tgt Ion: 70 Resp: 29693

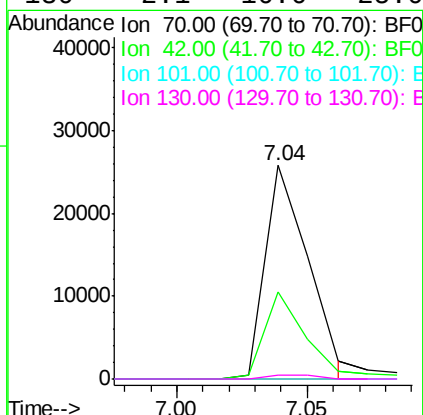
Ion Ratio Lower Upper

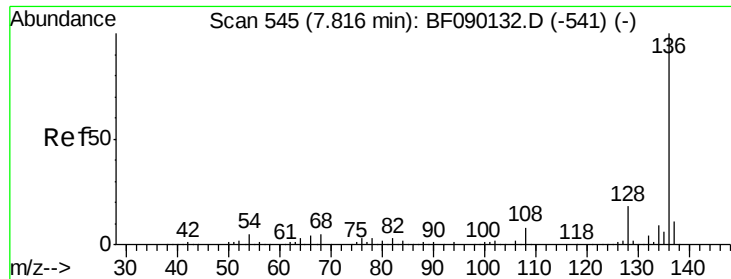
70 100

42 40.5 35.1 52.7

101 0.0 7.5 11.3#

130 2.1 16.6 25.0#

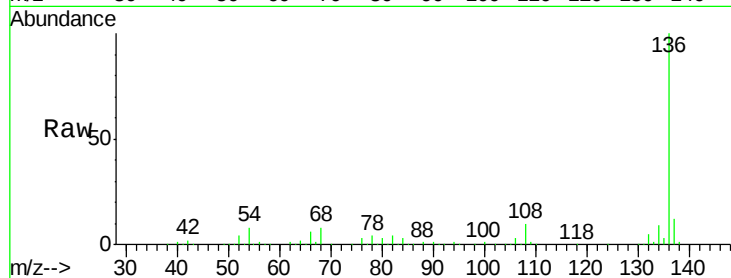




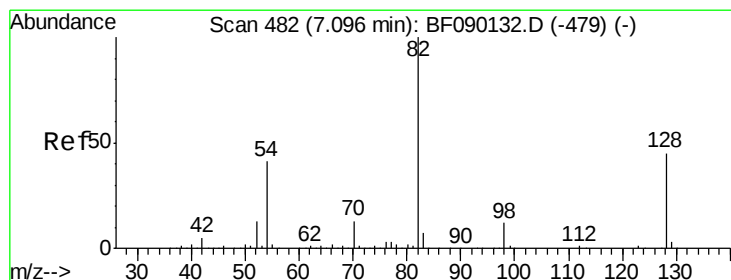
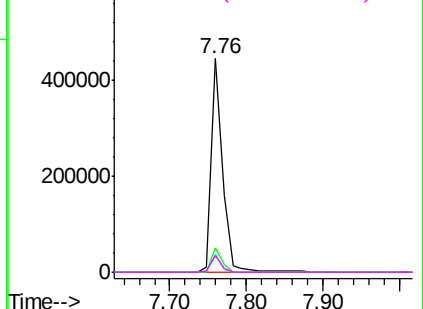
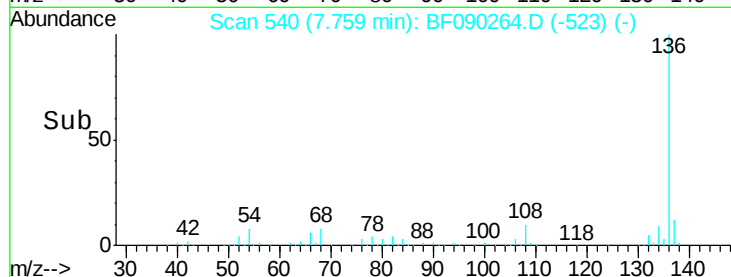
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.76 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF090264.D
Acq: 27 Sep 2016 20:55

Instrument :
BNA_F
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Tgt Ion:	136	Resp:	452561
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.4
54	8.2	6.4	9.6
68	7.8	6.3	9.5

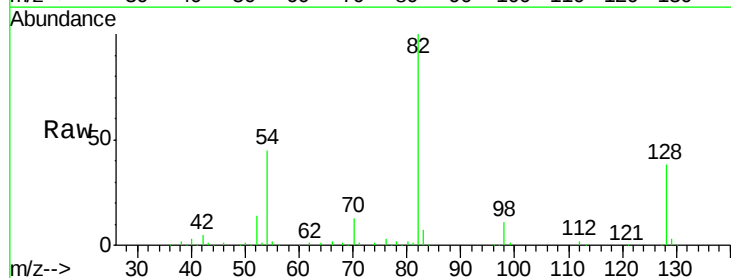


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

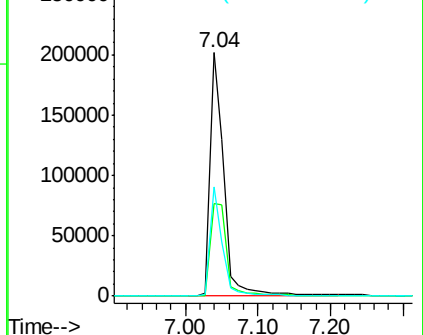
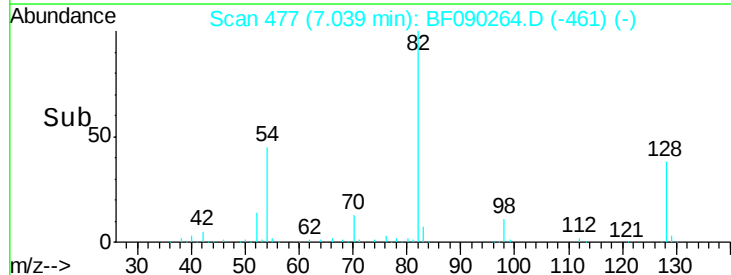


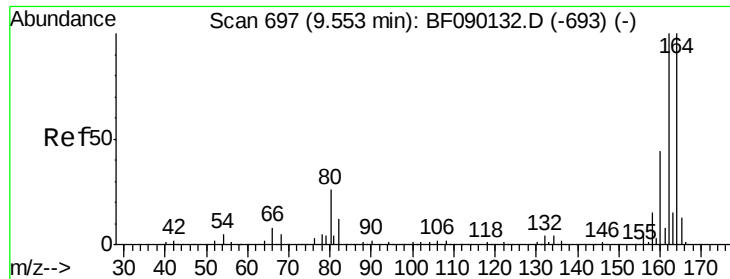
#23
Nitrobenzene-d5
Concen: 34.22 ng
RT: 7.04 min Scan# 477
Delta R.T. -0.02 min
Lab File: BF090264.D
Acq: 27 Sep 2016 20:55

Tgt Ion:	82	Resp:	267147
Ion	Ratio	Lower	Upper
82	100		
128	37.8	37.5	56.3
54	45.1	31.9	47.9



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

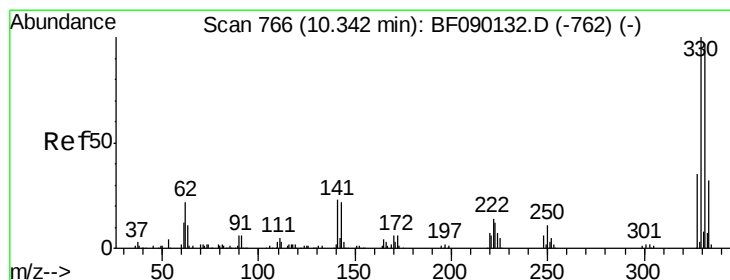
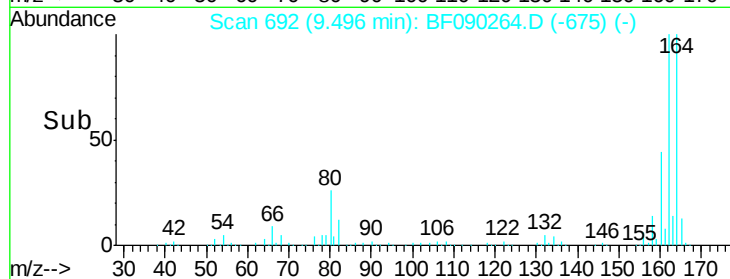
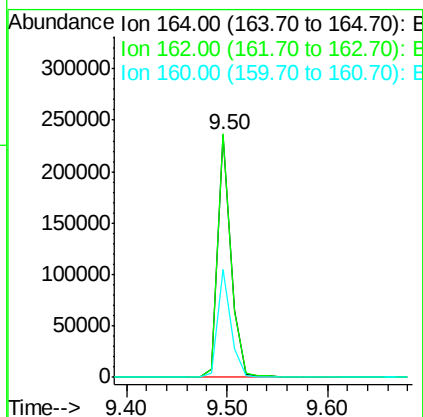
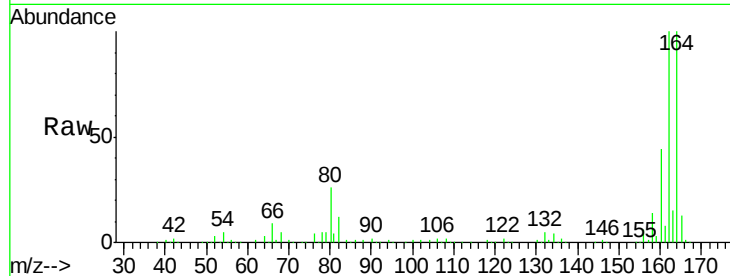




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.50 min Scan# 692
 Delta R.T. -0.01 min
 Lab File: BF090264.D
 Acq: 27 Sep 2016 20:55

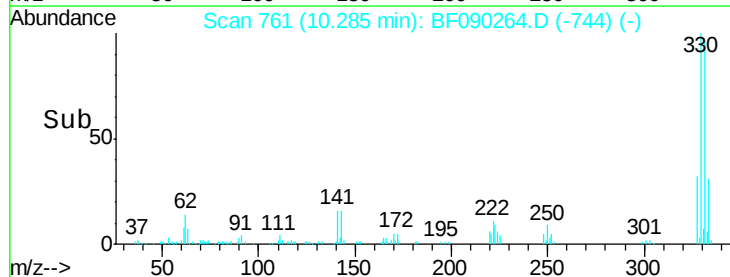
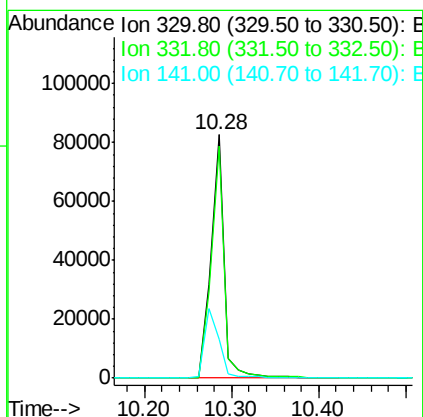
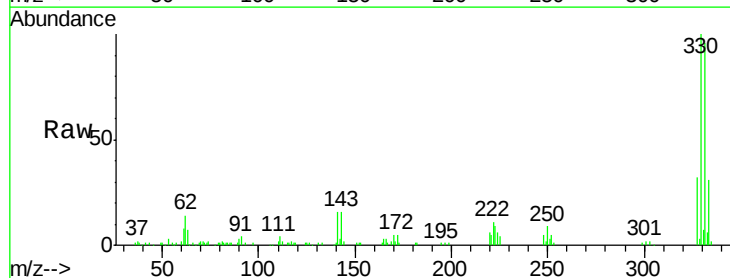
Instrument :
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 S-2-1-LOC-2(0-5)

Tgt Ion:164 Resp: 217646
 Ion Ratio Lower Upper
 164 100
 162 100.4 81.4 122.2
 160 44.4 36.6 54.8



#41
 2,4,6-Tribromophenol
 Concen: 47.35 ng
 RT: 10.28 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF090264.D
 Acq: 27 Sep 2016 20:55

Tgt Ion:330 Resp: 88417
 Ion Ratio Lower Upper
 330 100
 332 94.5 78.1 117.1
 141 31.8 23.9 35.9

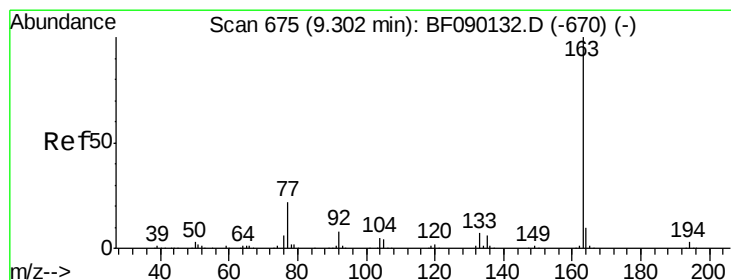
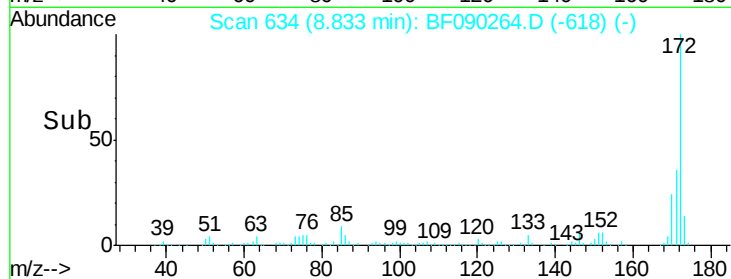
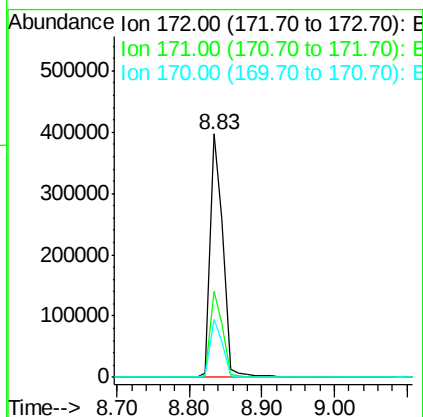
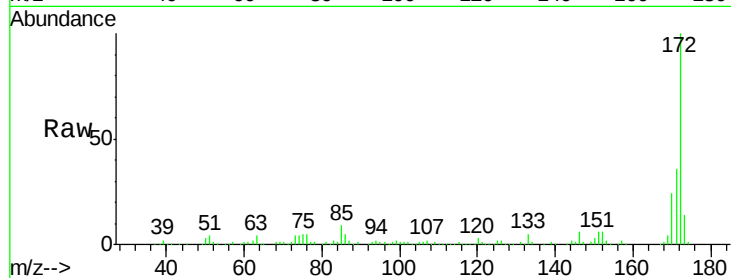




#44
 2-Fluorobiphenyl
 Concen: 43.66 ng
 RT: 8.83 min Scan# 634
 Delta R.T. -0.02 min
 Lab File: BF090264.D
 Acq: 27 Sep 2016 20:55

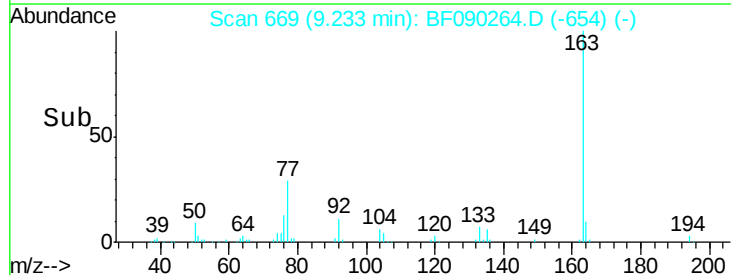
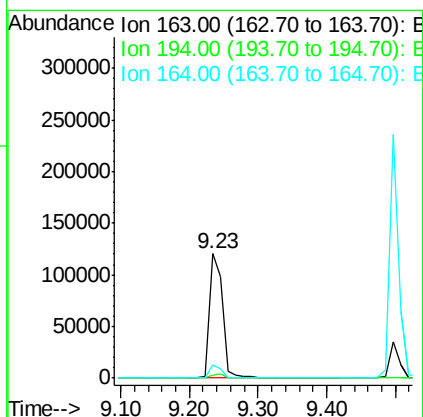
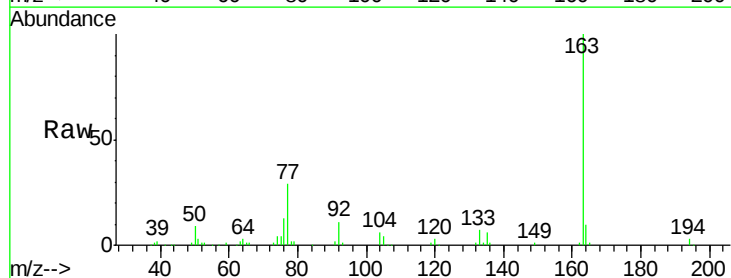
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 S-2-1-LOC-2(0-5)

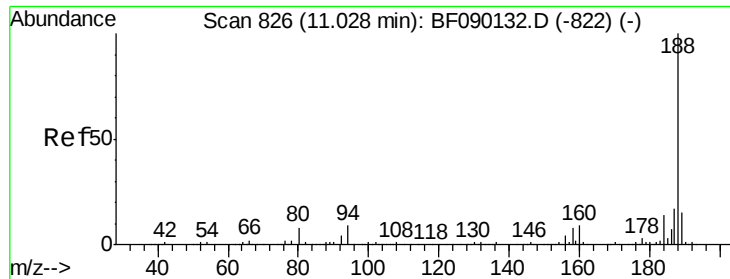
Tgt Ion:172 Resp: 483980
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.2 43.8
 170 23.6 19.8 29.8



#49
 Dimethylphthalate
 Concen: 11.76 ng
 RT: 9.23 min Scan# 669
 Delta R.T. -0.03 min
 Lab File: BF090264.D
 Acq: 27 Sep 2016 20:55

Tgt Ion:163 Resp: 162955
 Ion Ratio Lower Upper
 163 100
 194 2.7 2.8 4.2#
 164 10.3 8.1 12.1

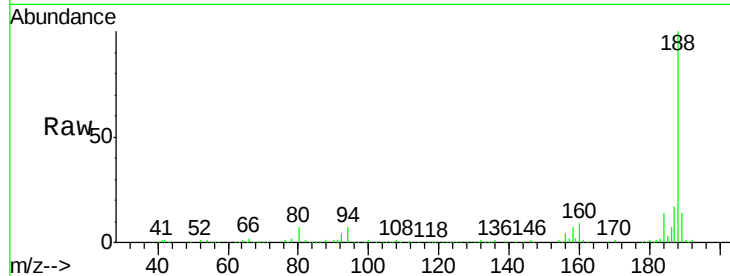




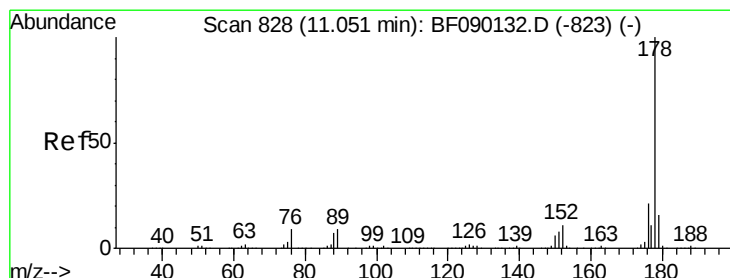
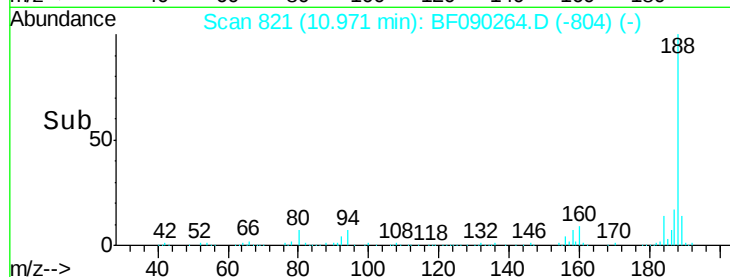
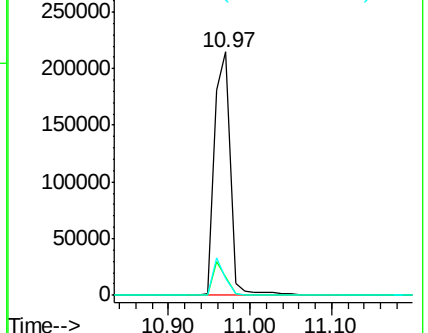
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.97 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF090264.D
Acq: 27 Sep 2016 20:55

Instrument :
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ClientSampleId :
S-2-1-LOC-2(0-5)

Tgt Ion:188 Resp: 292720
Ion Ratio Lower Upper
188 100
94 7.5 10.5 15.7#
80 7.2 11.2 16.8#

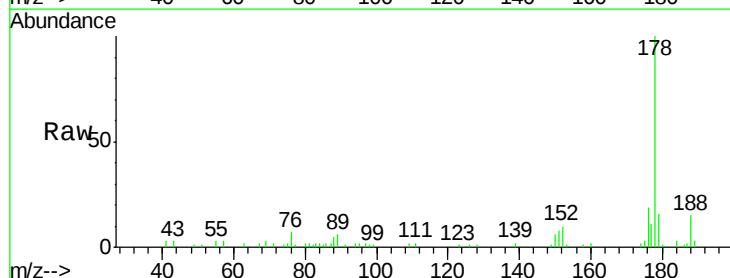


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

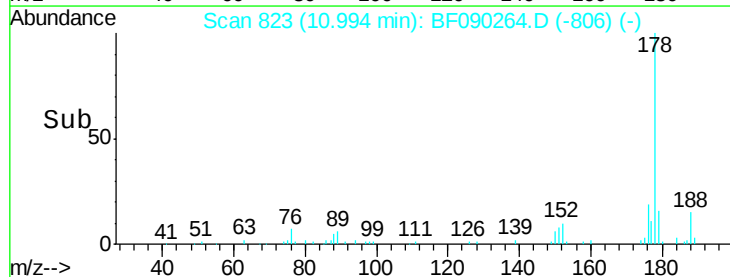
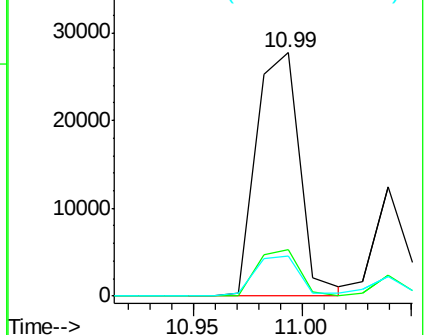


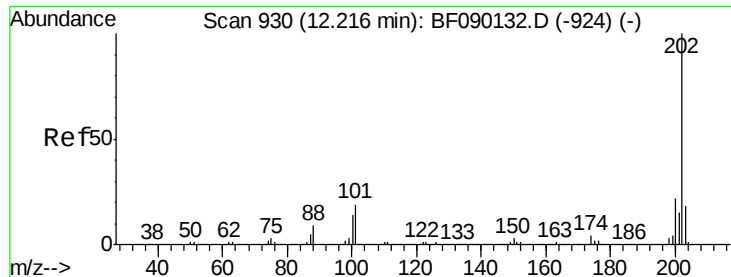
#70
Phenanthrene
Concen: 2.83 ng
RT: 10.99 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF090264.D
Acq: 27 Sep 2016 20:55

Tgt Ion:178 Resp: 38768
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 16.5 12.9 19.3



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

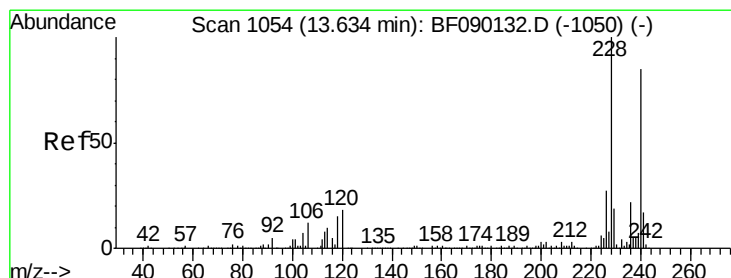
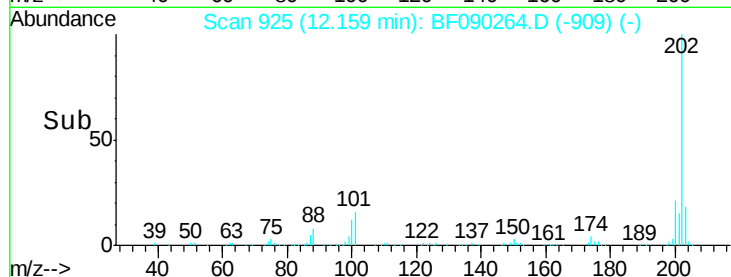
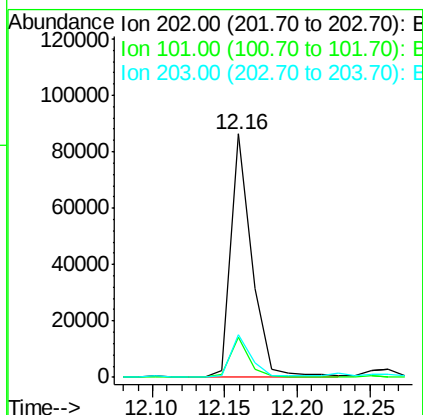
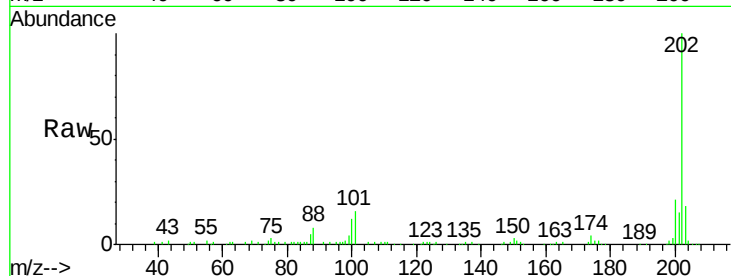




#74
 Fluoranthene
 Concen: 5.95 ng
 RT: 12.16 min Scan# 925
 Delta R.T. -0.02 min
 Lab File: BF090264.D
 Acq: 27 Sep 2016 20:55

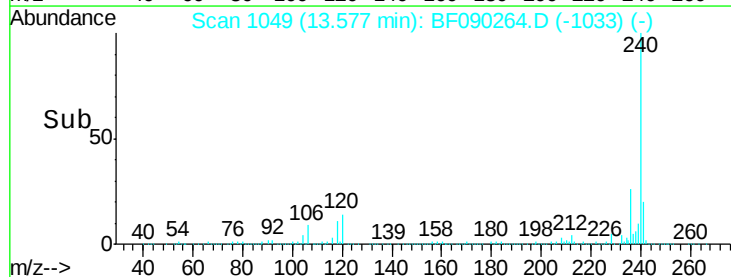
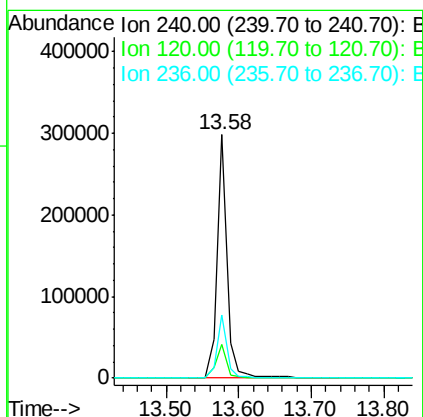
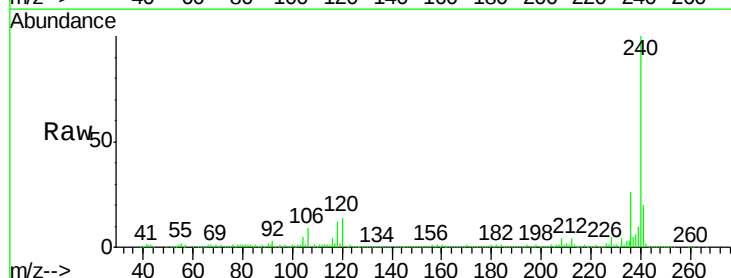
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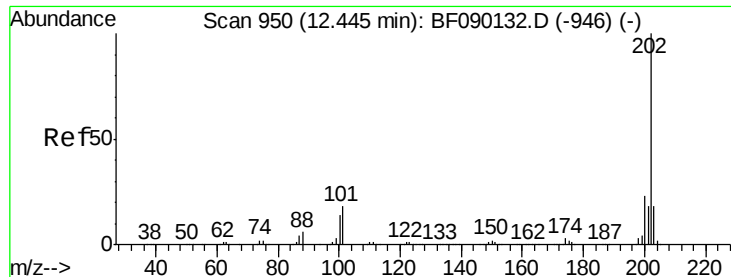
Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.5	0.0	36.1
203	17.7	0.0	38.2



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.58 min Scan# 1049
 Delta R.T. -0.02 min
 Lab File: BF090264.D
 Acq: 27 Sep 2016 20:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.9	10.6	16.0
236	26.1	21.6	32.4

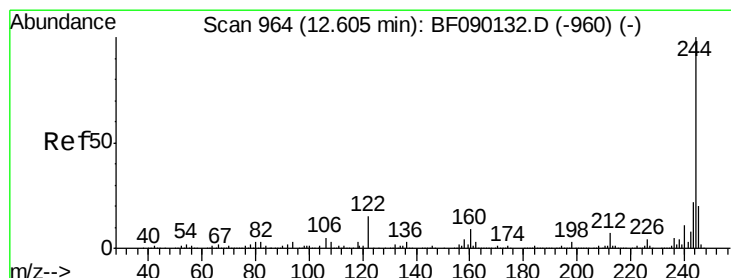
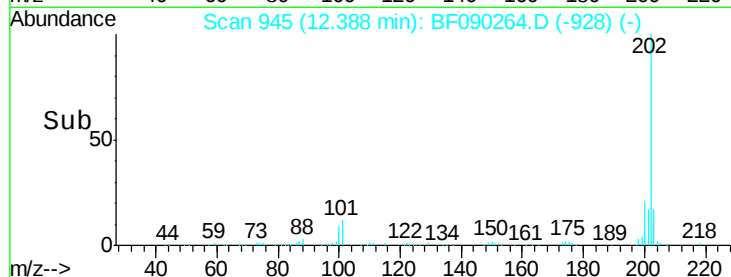
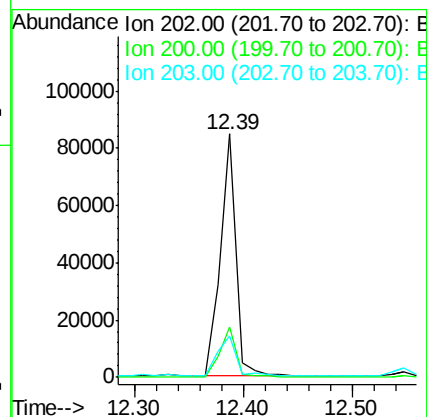
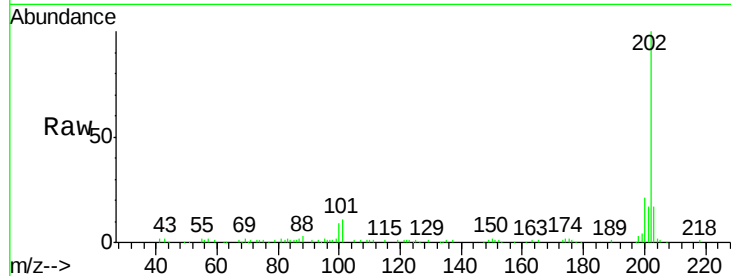




#77
 Pyrene
 Concen: 4.41 ng
 RT: 12.39 min Scan# 945
 Delta R.T. -0.01 min
 Lab File: BF090264.D
 Acq: 27 Sep 2016 20:55

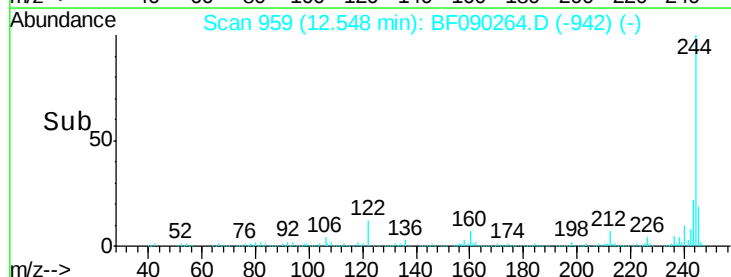
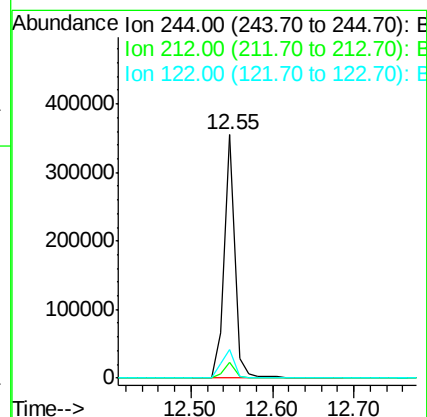
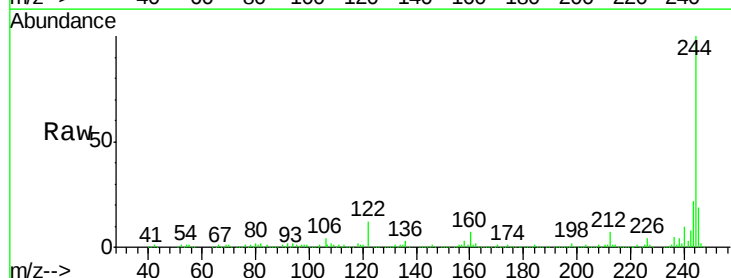
Instrument :
 BNA_F
 ClientSampleId :
 S-2-1-LOC-2(0-5)

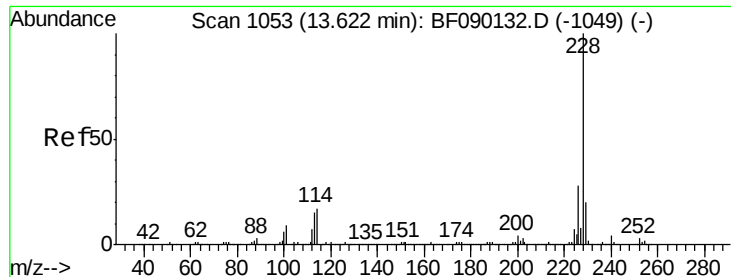
Tgt Ion: 202 Resp: 86383
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.9 26.9
 203 17.2 14.2 21.4



#78
 Terphenyl-d14
 Concen: 28.56 ng
 RT: 12.55 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: BF090264.D
 Acq: 27 Sep 2016 20:55

Tgt Ion: 244 Resp: 322071
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.8
 122 11.9 9.4 14.0





#80

Benzo(a)anthracene

Concen: 3.86 ng

RT: 13.57 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF090264.D

Acq: 27 Sep 2016 20:55

Instrument :

BNA_F

ClientSampleId :

S-2-1-LOC-2(0-5)

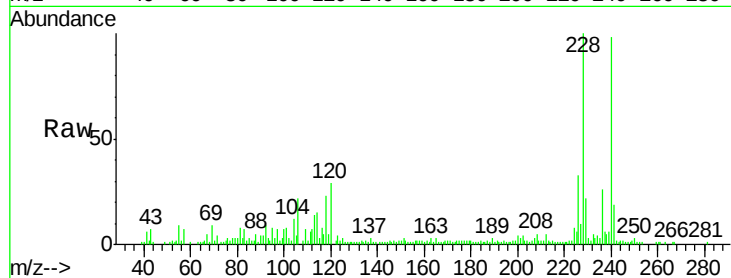
Tgt Ion:228 Resp: 59490

Ion Ratio Lower Upper

228 100

226 32.6 22.0 33.0

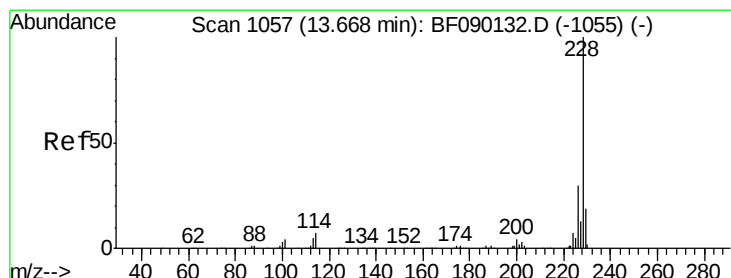
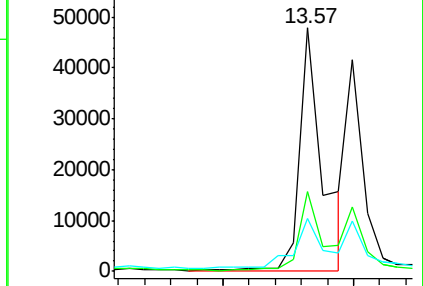
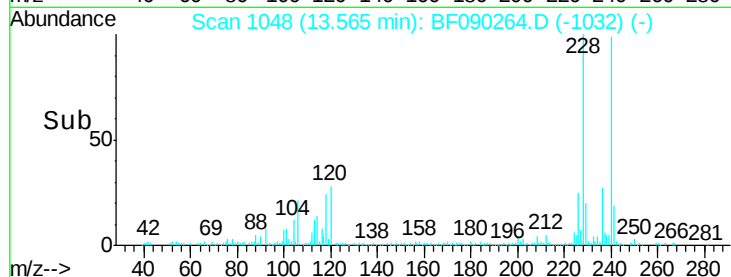
229 21.7 16.2 24.2



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: 3.96 ng

RT: 13.57 min Scan# 1048

Delta R.T. -0.06 min

Lab File: BF090264.D

Acq: 27 Sep 2016 20:55

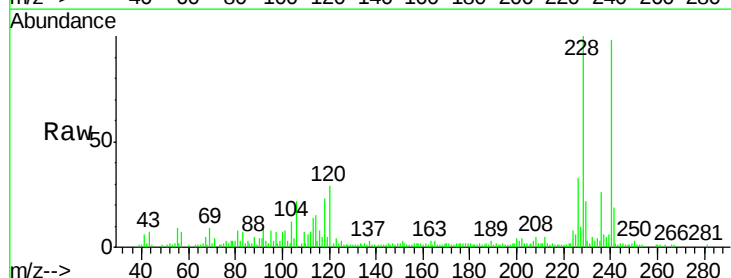
Tgt Ion:228 Resp: 59490

Ion Ratio Lower Upper

228 100

226 32.6 24.6 37.0

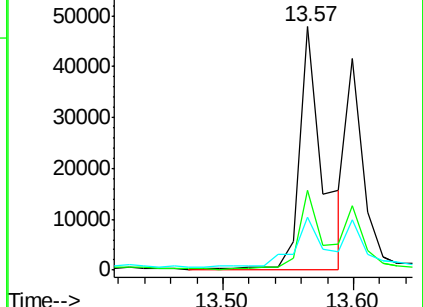
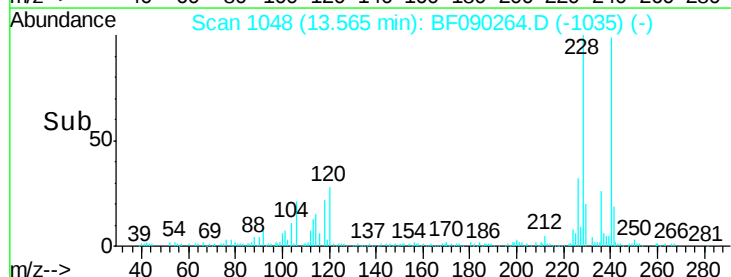
229 21.7 16.2 24.4

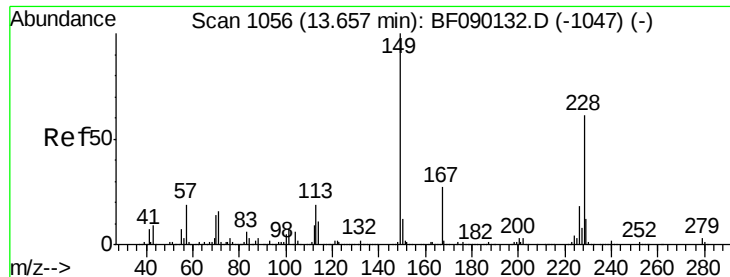


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

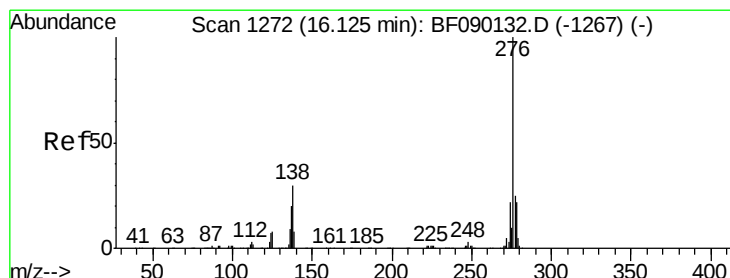
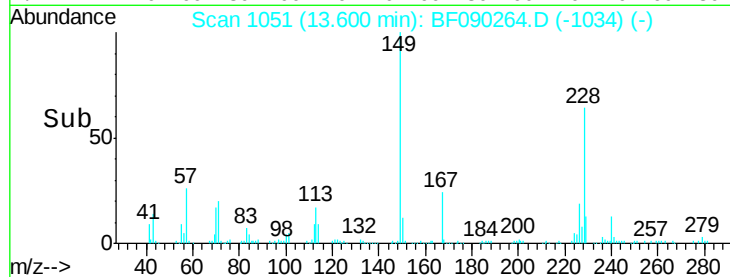
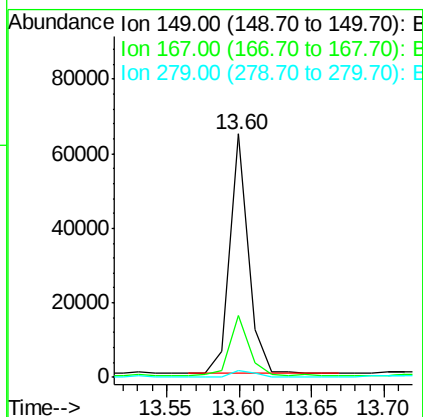
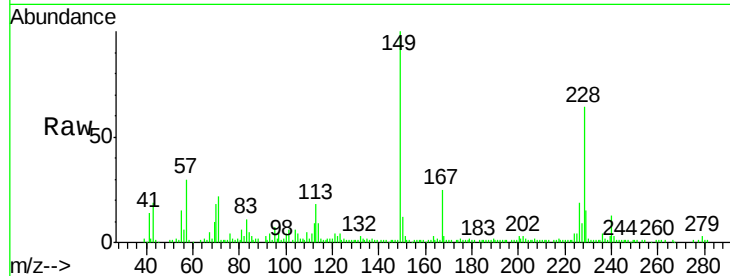




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.63 ng
 RT: 13.60 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: BF090264.D
 Acq: 27 Sep 2016 20:55

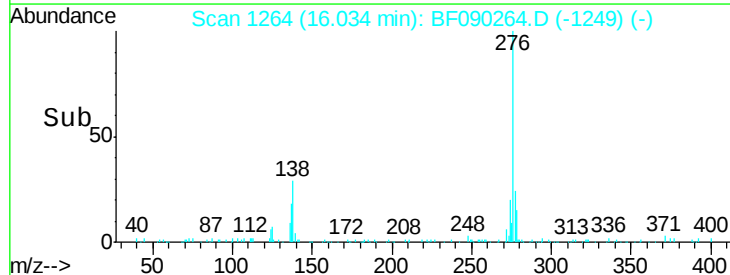
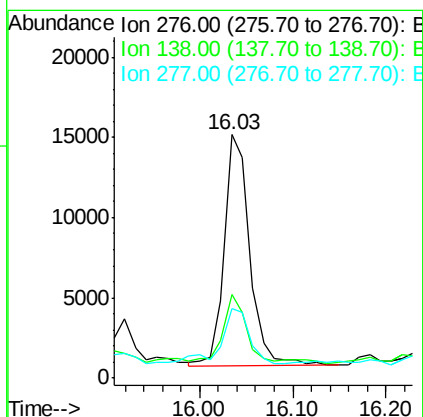
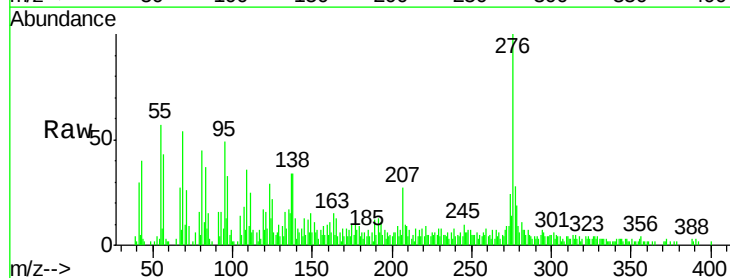
Instrument :
 BNA_F
 ClientSampleId :
 S-2-1-LOC-2(0-5)

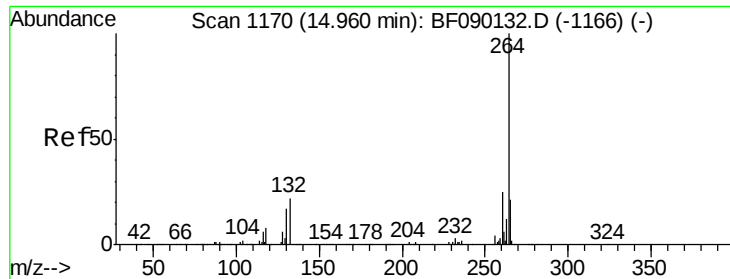
Tgt Ion:149 Resp: 56782
 Ion Ratio Lower Upper
 149 100
 167 25.5 21.2 31.8
 279 2.8 2.2 3.2



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.26 ng
 RT: 16.03 min Scan# 1264
 Delta R.T. -0.02 min
 Lab File: BF090264.D
 Acq: 27 Sep 2016 20:55

Tgt Ion:276 Resp: 27474
 Ion Ratio Lower Upper
 276 100
 138 26.9 25.9 38.9
 277 26.2 19.9 29.9





#86

Perylene-d12

Concen: 20.00 ng

RT: 14.90 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF090264.D

Acq: 27 Sep 2016 20:55

Instrument :

BNA_F

ClientSampleId :

S-2-1-LOC-2(0-5)

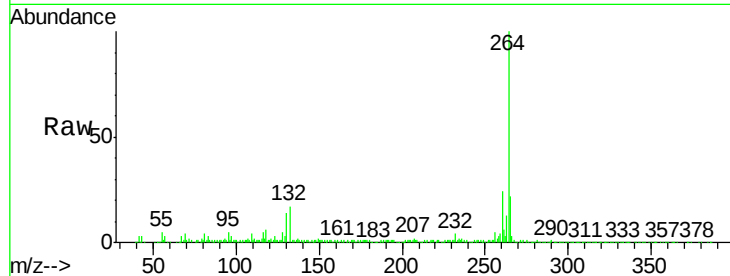
Tgt Ion:264 Resp: 264873

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

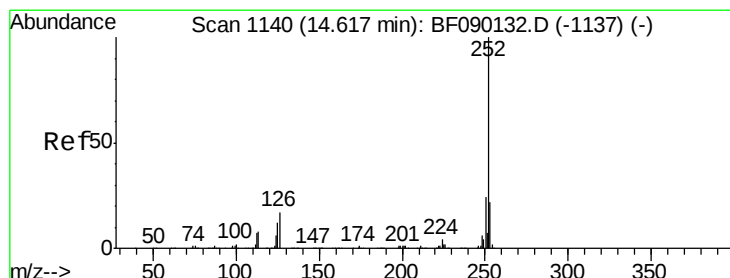
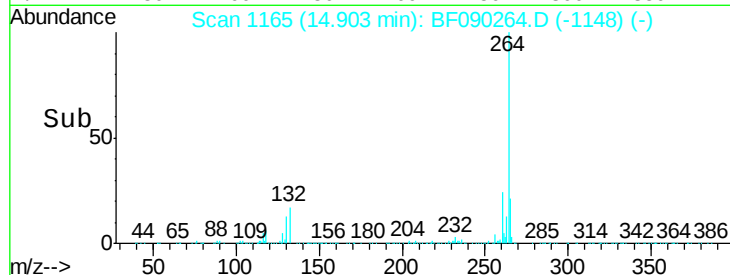
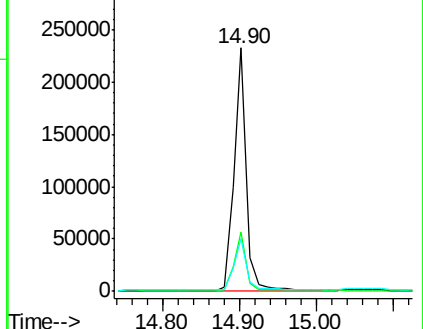
265 21.8 17.0 25.4



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: 6.18 ng

RT: 14.56 min Scan# 1135

Delta R.T. -0.01 min

Lab File: BF090264.D

Acq: 27 Sep 2016 20:55

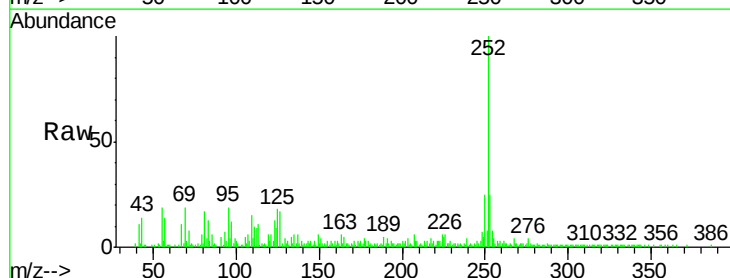
Tgt Ion:252 Resp: 90680

Ion Ratio Lower Upper

252 100

253 25.3 17.9 26.9

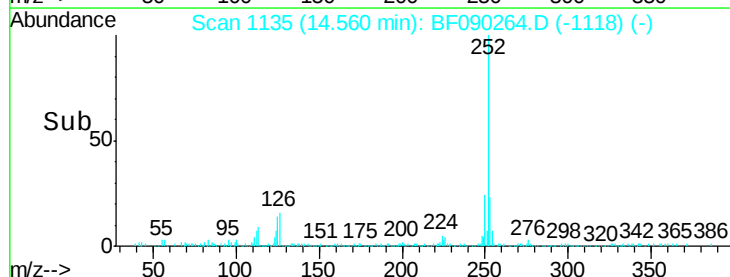
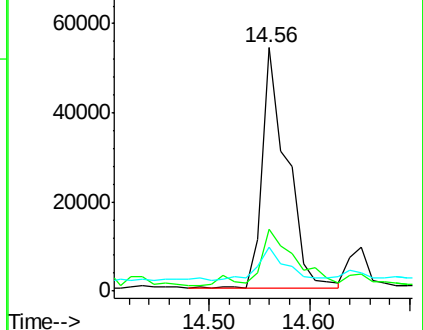
125 18.0 12.7 19.1

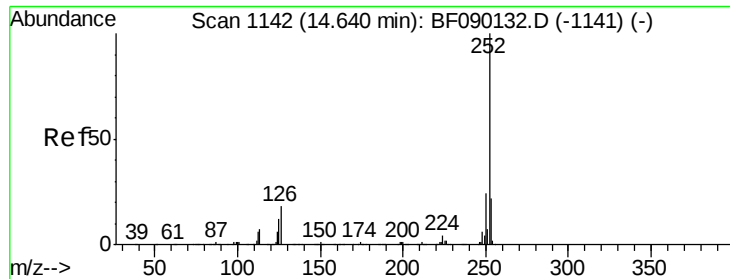


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

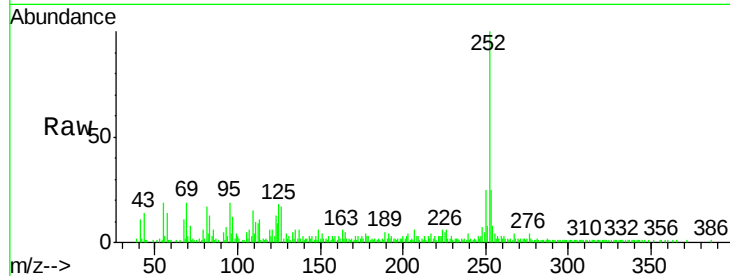




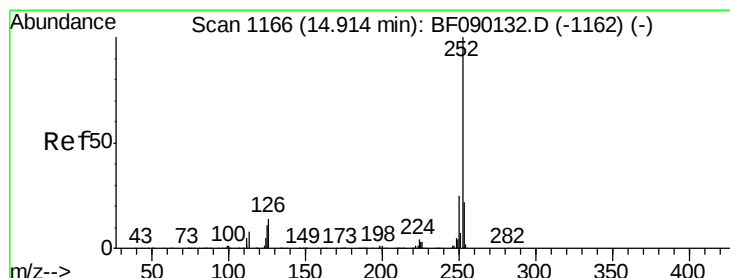
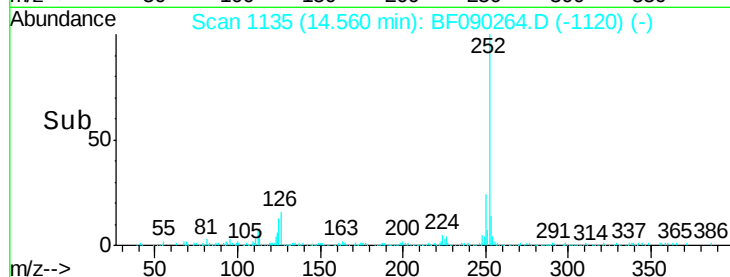
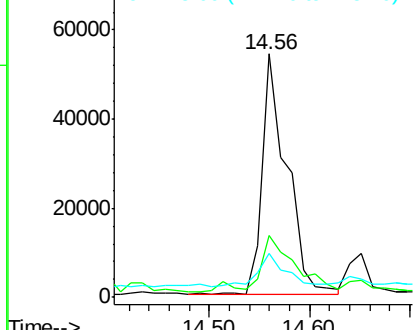
#88
Benzo(k)fluoranthene
Concen: 6.59 ng
RT: 14.56 min Scan# 1135
Delta R.T. -0.03 min
Lab File: BF090264.D
Acq: 27 Sep 2016 20:55

Instrument :
BNA_F
ClientSampleId :
S-2-1-LOC-2(0-5)

Tgt Ion: 252 Resp: 90680
Ion Ratio Lower Upper
252 100
253 25.3 17.8 26.8
125 18.0 7.8 11.6#

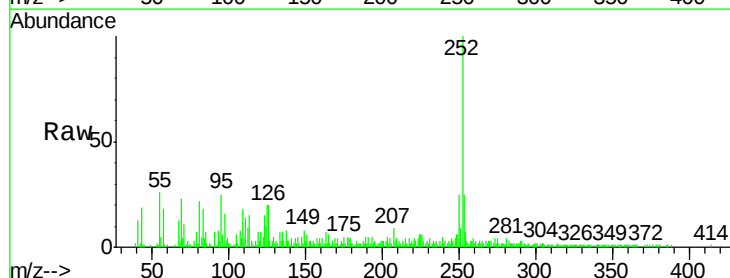


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

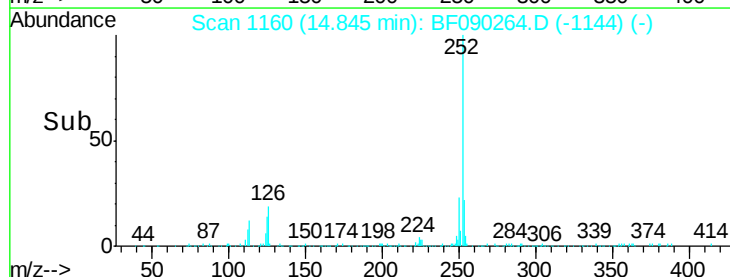
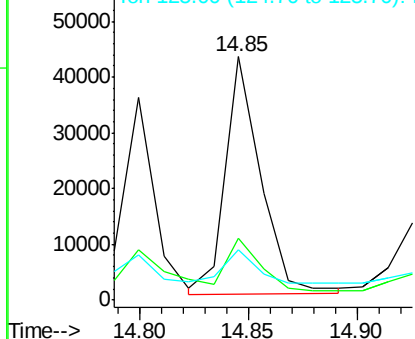


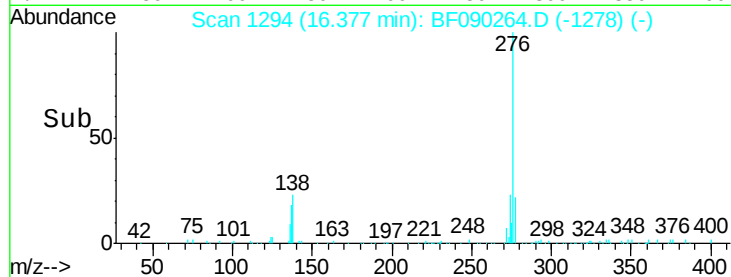
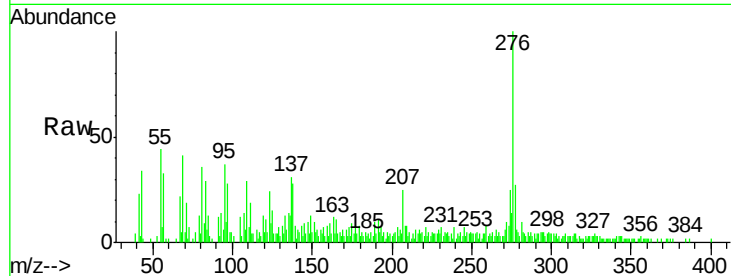
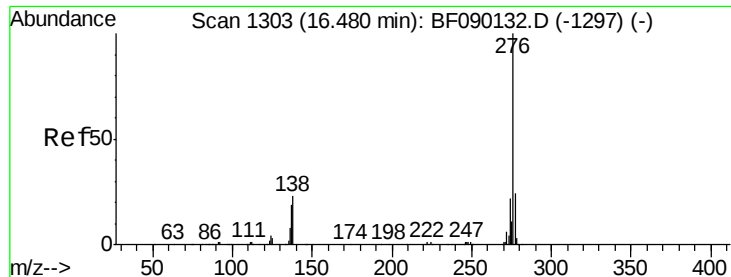
#89
Benzo(a)pyrene
Concen: 3.48 ng
RT: 14.85 min Scan# 1160
Delta R.T. -0.02 min
Lab File: BF090264.D
Acq: 27 Sep 2016 20:55

Tgt Ion: 252 Resp: 48008
Ion Ratio Lower Upper
252 100
253 25.5 17.4 26.0
125 20.4 7.7 11.5#



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: 2.80 ng

RT: 16.38 min Scan# 1294

Delta R.T. -0.02 min

Lab File: BF090264.D

Acq: 27 Sep 2016 20:55

Instrument :

BNA_F

ClientSampleId :

S-2-1-LOC-2(0-5)

Tgt Ion: 276 Resp: 29529

Ion Ratio Lower Upper

276 100

277 27.1 18.9 28.3

138 27.7 23.3 34.9

