

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092316\
 Data File : BF090214.D
 Acq On : 23 Sep 2016 22:50
 Operator : UM/SJ
 Sample : H4927-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-18B

Quant Time: Sep 23 23:27:09 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 20 17:58:29 2016
 Response via : Initial Calibration

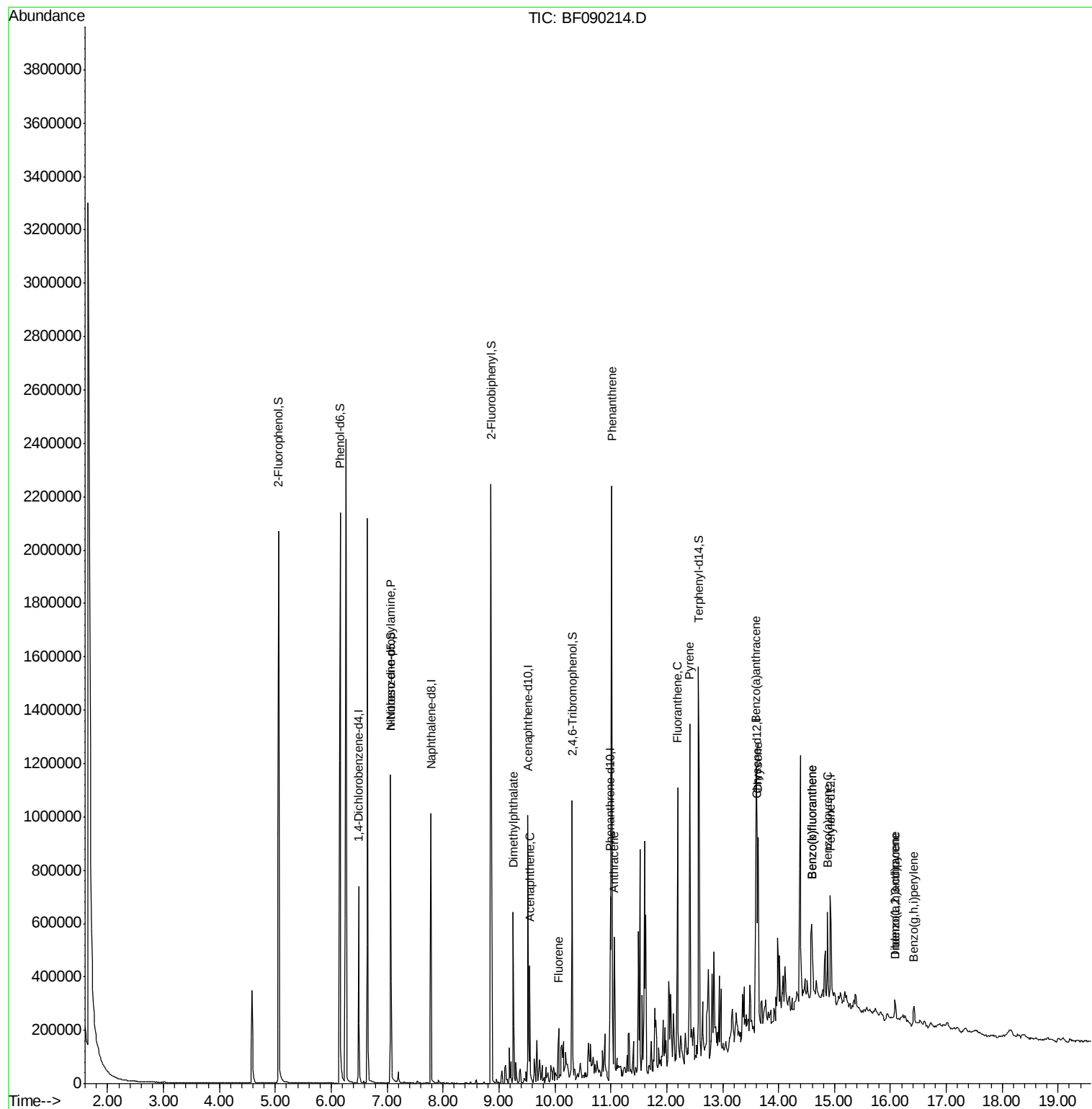
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	125336	20.00	ng	-0.03
21) Naphthalene-d8	7.78	136	469817	20.00	ng	-0.03
38) Acenaphthene-d10	9.52	164	202906	20.00	ng	-0.03
63) Phenanthrene-d10	10.99	188	265714	20.00	ng	-0.03
75) Chrysene-d12	13.61	240	257987	20.00	ng	-0.02
86) Perylene-d12	14.93	264	212232	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	737102	95.86	ng	-0.01
7) Phenol-d6	6.16	99	1042772	109.81	ng	-0.01
23) Nitrobenzene-d5	7.06	82	467190	57.64	ng	-0.03
41) 2,4,6-Tribromophenol	10.31	330	156539	89.93	ng	-0.03
44) 2-Fluorobiphenyl	8.86	172	817998	79.14	ng	-0.03
78) Terphenyl-d14	12.57	244	630159	62.01	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.06	70	53851	9.65	ng	# 80
49) Dimethylphthalate	9.26	163	294544	22.79	ng	99
51) Acenaphthene	9.55	154	92217	8.93	ng	97
57) Fluorene	10.07	166	68897	6.73	ng	# 98
70) Phenanthrene	11.02	178	807324	64.97	ng	99
71) Anthracene	11.06	178	252245	19.35	ng	98
74) Fluoranthene	12.19	202	423305	31.73	ng	94
77) Pyrene	12.41	202	713014	40.39	ng	# 92
80) Benzo(a)anthracene	13.60	228	302517	21.80	ng	98
82) Chrysene	13.63	228	308276	22.80	ng	98
85) Indeno(1,2,3-cd)pyrene	16.08	276	44835	4.10	ng	# 90
87) Benzo(b)fluoranthene	14.59	252	195446	16.63	ng	97
88) Benzo(k)fluoranthene	14.59	252	193962	17.59	ng	# 96
89) Benzo(a)pyrene	14.88	252	148775	13.46	ng	# 95
90) Dibenzo(a,h)anthracene	16.09	278	21265	2.47	ng	# 86
91) Benzo(g,h,i)perylene	16.42	276	47955	5.68	ng	97

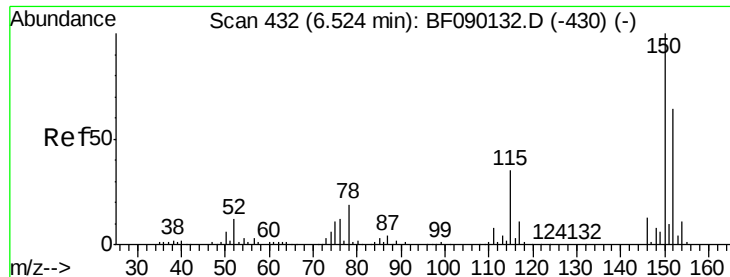
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.03 min

Lab File: BF090214.D

Acq: 23 Sep 2016 22:50

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-18B

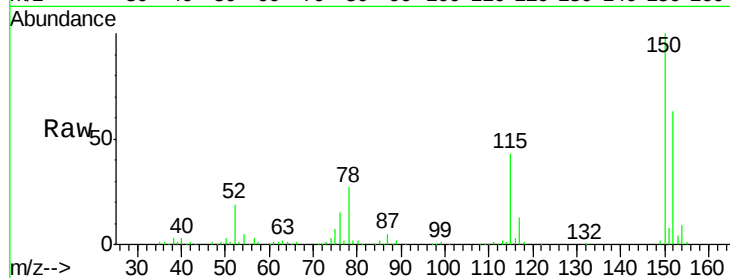
Tgt Ion:152 Resp: 125336

Ion Ratio Lower Upper

152 100

150 159.6 128.9 193.3

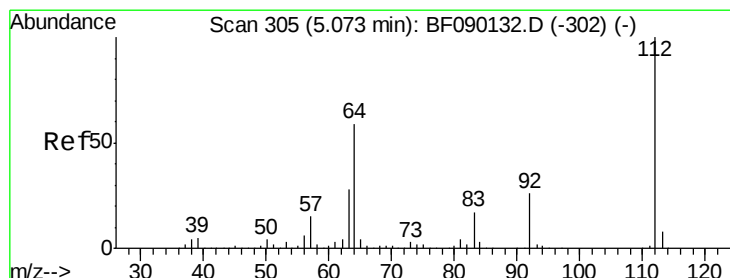
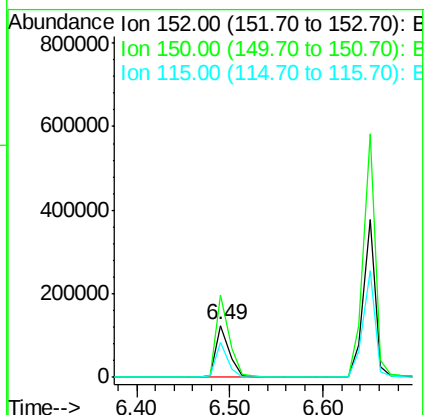
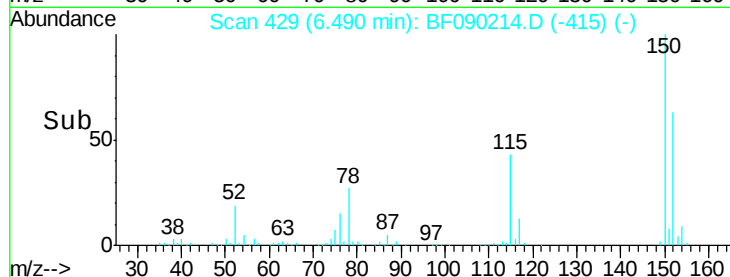
115 67.9 55.5 83.3



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: 95.86 ng

RT: 5.06 min Scan# 304

Delta R.T. -0.01 min

Lab File: BF090214.D

Acq: 23 Sep 2016 22:50

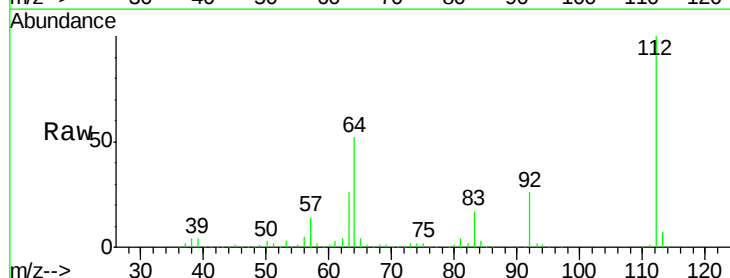
Tgt Ion:112 Resp: 737102

Ion Ratio Lower Upper

112 100

64 51.8 39.8 59.6

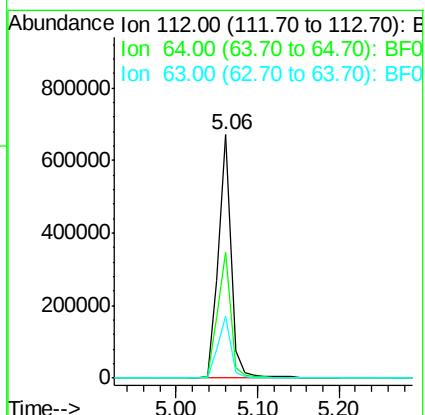
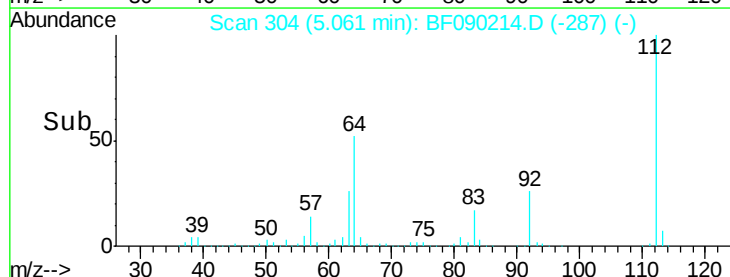
63 25.5 18.9 28.3

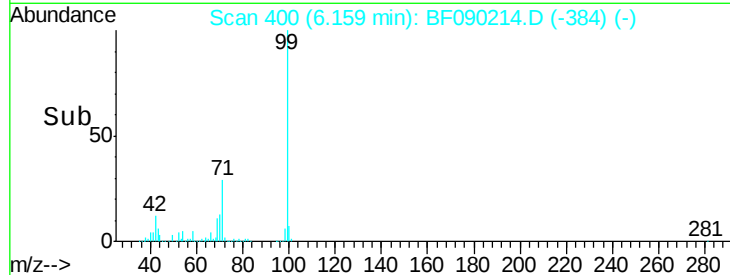
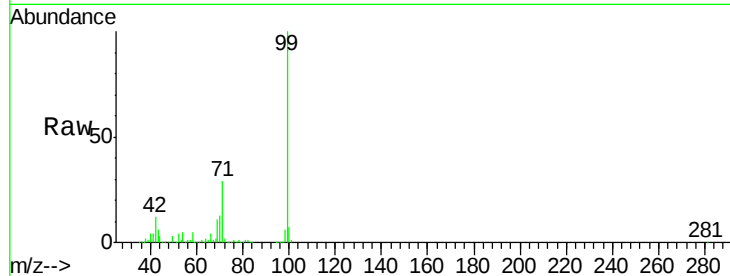


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 109.81 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.01 min

Lab File: BF090214.D

Acq: 23 Sep 2016 22:50

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-18B

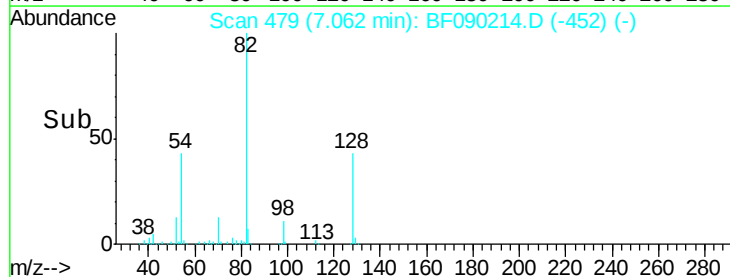
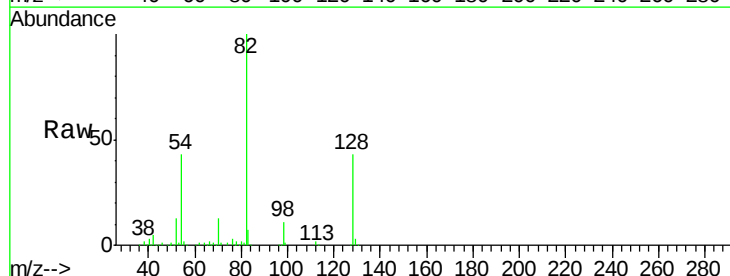
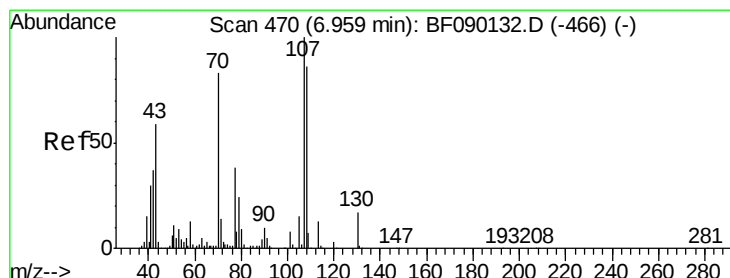
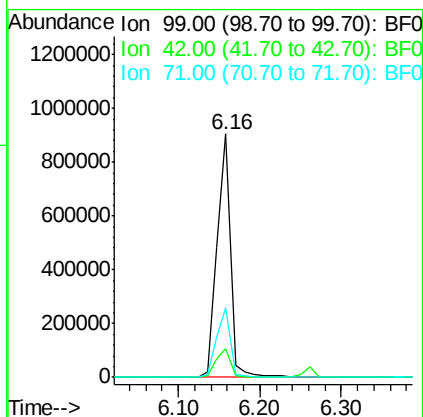
Tgt Ion: 99 Resp: 1042772

Ion Ratio Lower Upper

99 100

42 11.9 10.6 15.8

71 28.6 23.0 34.6



#19

n-Nitroso-di-n-propylamine

Concen: 9.65 ng

RT: 7.06 min Scan# 479

Delta R.T. 0.10 min

Lab File: BF090214.D

Acq: 23 Sep 2016 22:50

Tgt Ion: 70 Resp: 53851

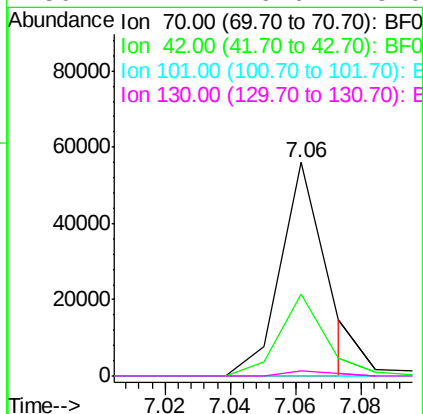
Ion Ratio Lower Upper

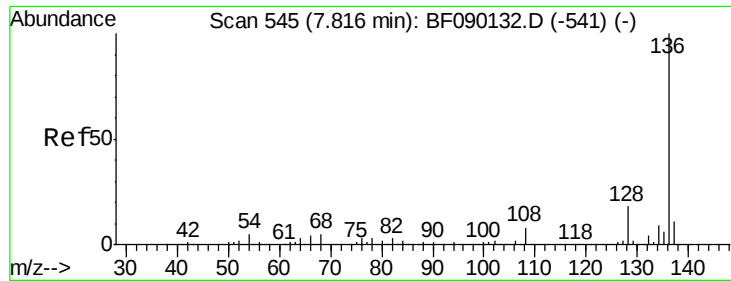
70 100

42 38.1 35.1 52.7

101 0.0 7.5 11.3#

130 2.4 16.6 25.0#

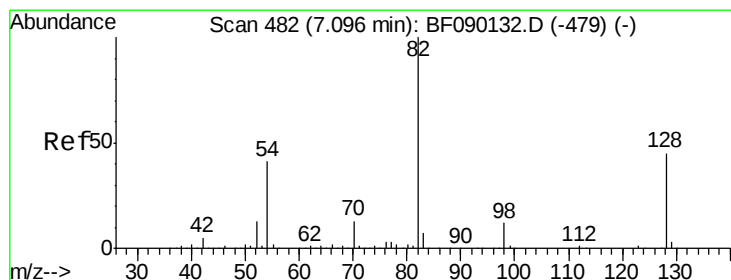
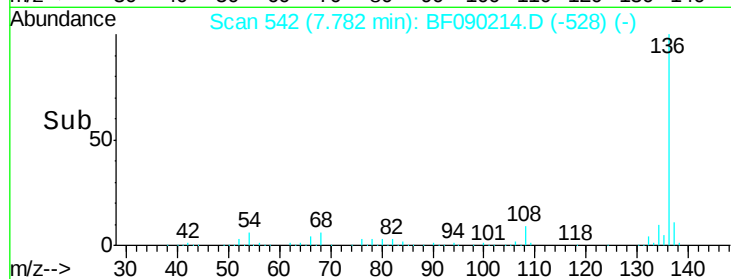
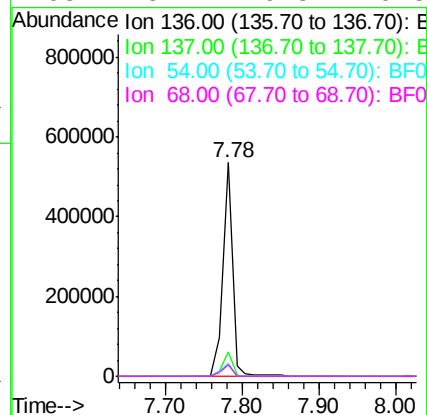
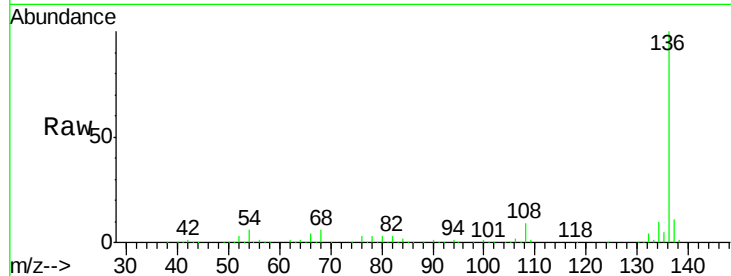




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.78 min Scan# 542
Delta R.T. -0.03 min
Lab File: BF090214.D
Acq: 23 Sep 2016 22:50

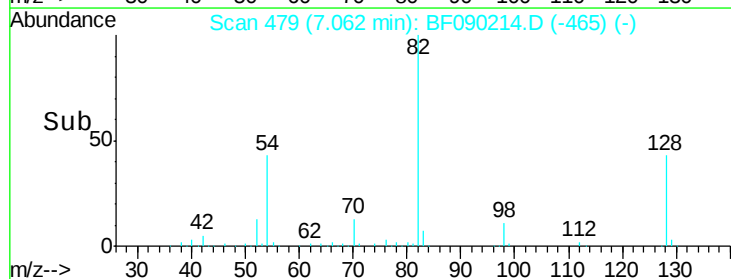
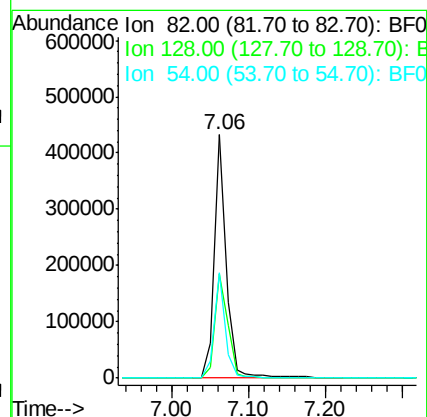
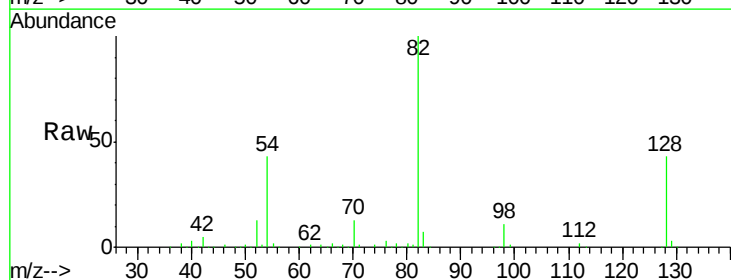
Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-18B

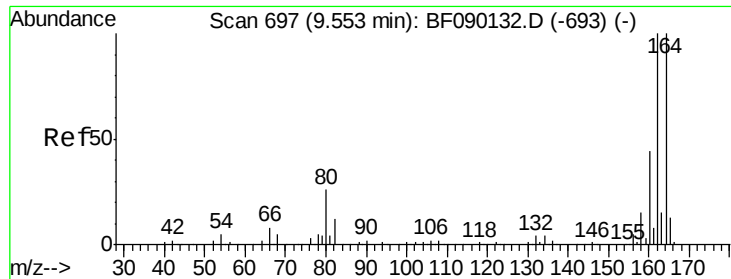
Tgt Ion:	136	Resp:	469817
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	5.7	6.4	9.6#
68	5.7	6.3	9.5#



#23
Nitrobenzene-d5
Concen: 57.64 ng
RT: 7.06 min Scan# 479
Delta R.T. -0.03 min
Lab File: BF090214.D
Acq: 23 Sep 2016 22:50

Tgt Ion:	82	Resp:	467190
Ion	Ratio	Lower	Upper
82	100		
128	42.8	37.5	56.3
54	43.2	31.9	47.9

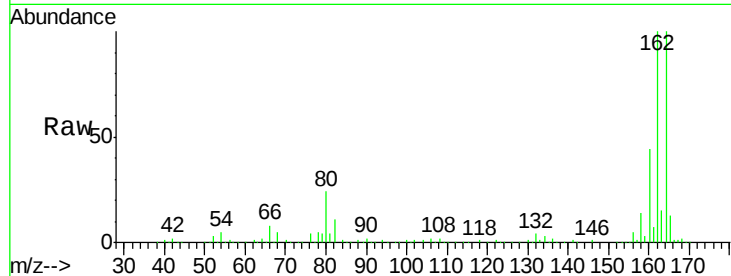




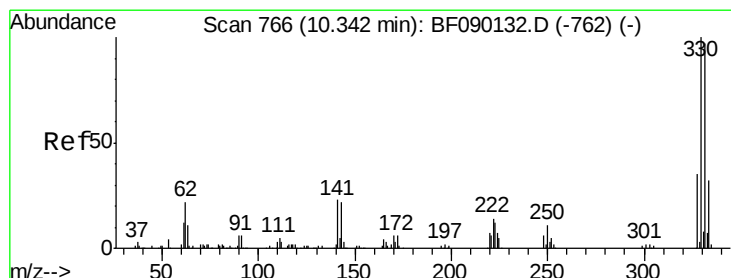
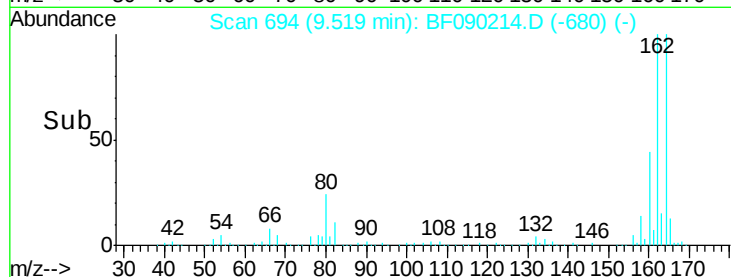
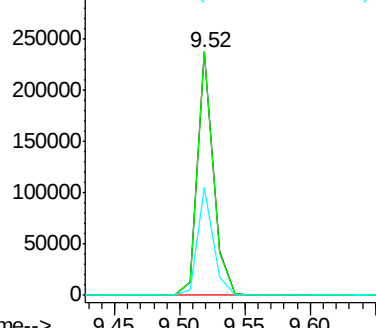
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.52 min Scan# 694
 Delta R.T. -0.03 min
 Lab File: BF090214.D
 Acq: 23 Sep 2016 22:50

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-18B

Tgt Ion:164 Resp: 202906
 Ion Ratio Lower Upper
 164 100
 162 100.1 81.4 122.2
 160 44.2 36.6 54.8

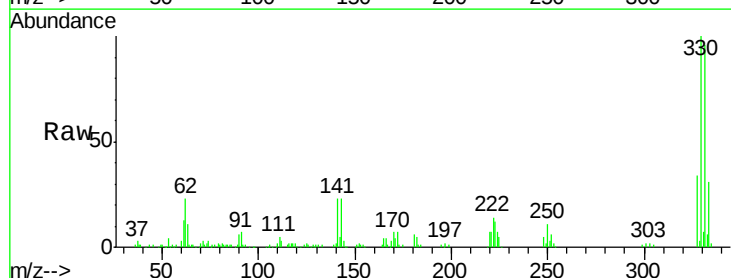


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

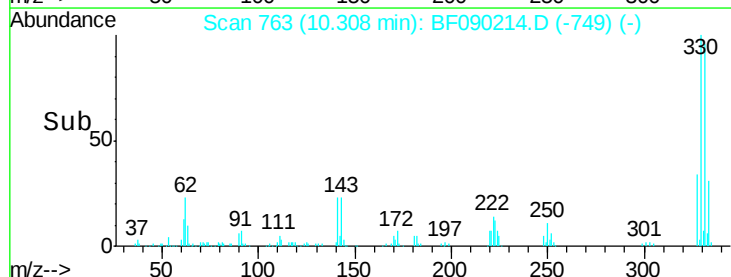
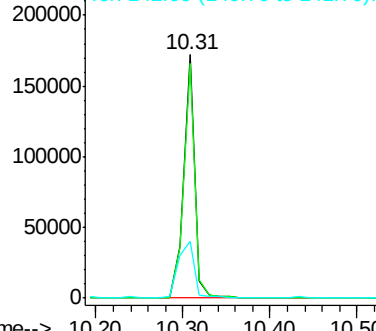


#41
 2,4,6-Tribromophenol
 Concen: 89.93 ng
 RT: 10.31 min Scan# 763
 Delta R.T. -0.03 min
 Lab File: BF090214.D
 Acq: 23 Sep 2016 22:50

Tgt Ion:330 Resp: 156539
 Ion Ratio Lower Upper
 330 100
 332 96.9 78.1 117.1
 141 32.6 23.9 35.9



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

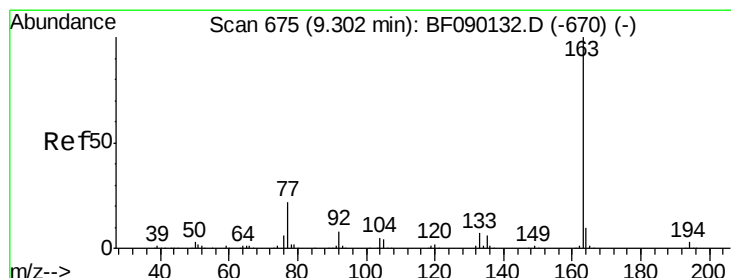
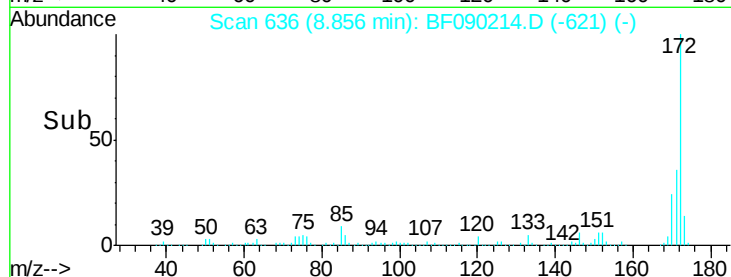
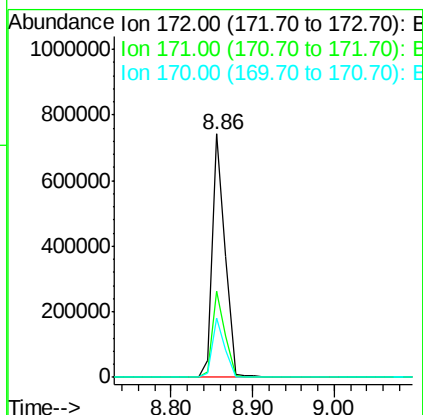
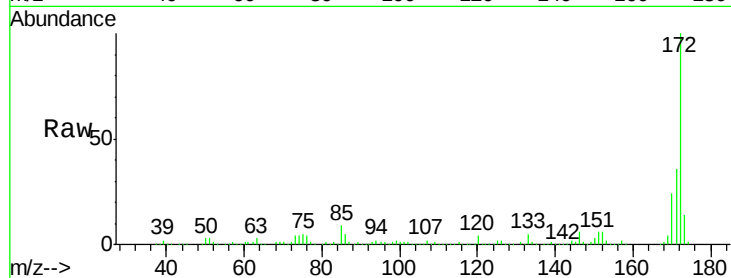




#44
 2-Fluorobiphenyl
 Concen: 79.14 ng
 RT: 8.86 min Scan# 636
 Delta R.T. -0.03 min
 Lab File: BF090214.D
 Acq: 23 Sep 2016 22:50

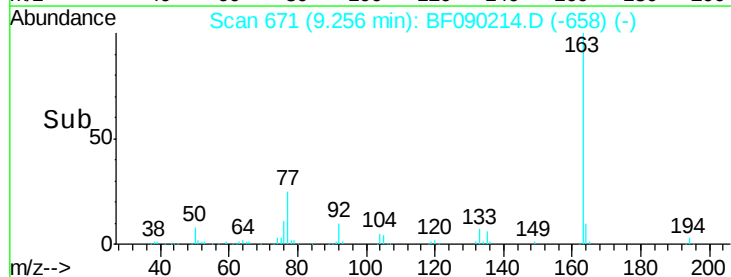
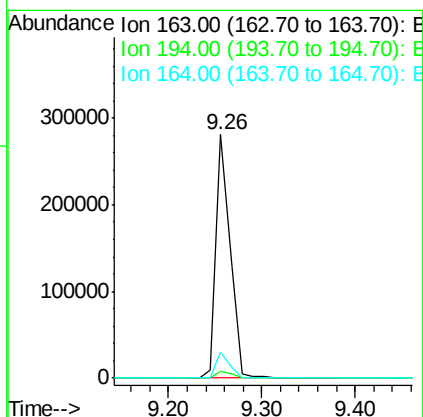
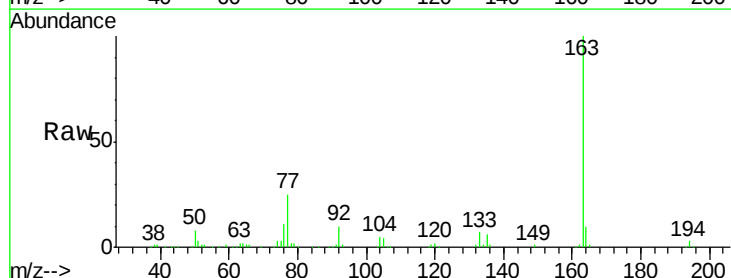
Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-18B

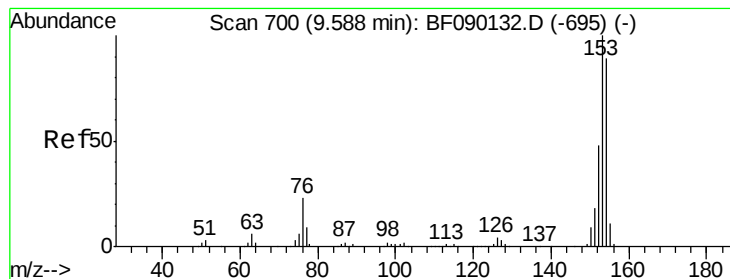
Tgt Ion:172 Resp: 817998
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.2 43.8
 170 24.3 19.8 29.8



#49
 Dimethylphthalate
 Concen: 22.79 ng
 RT: 9.26 min Scan# 671
 Delta R.T. -0.05 min
 Lab File: BF090214.D
 Acq: 23 Sep 2016 22:50

Tgt Ion:163 Resp: 294544
 Ion Ratio Lower Upper
 163 100
 194 2.9 2.8 4.2
 164 10.4 8.1 12.1





#51

Acenaphthene

Concen: 8.93 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.03 min

Lab File: BF090214.D

Acq: 23 Sep 2016 22:50

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-18B

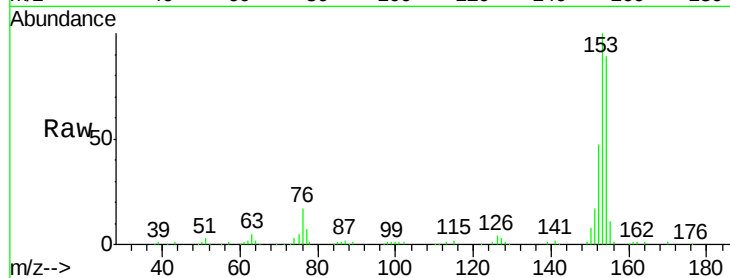
Tgt Ion:154 Resp: 92217

Ion Ratio Lower Upper

154 100

153 111.8 90.8 136.2

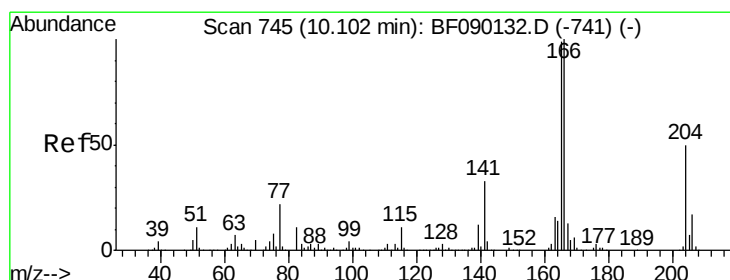
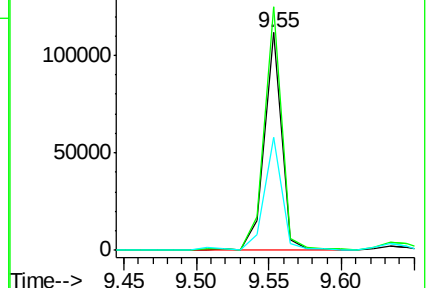
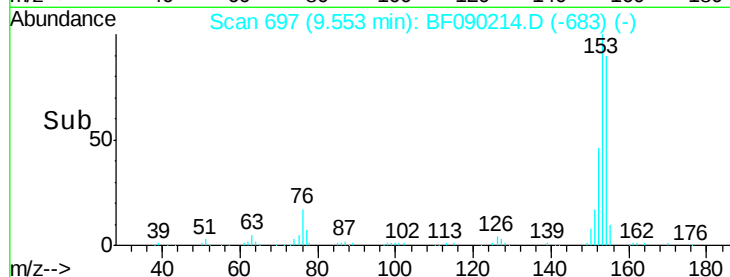
152 52.0 44.2 66.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 6.73 ng

RT: 10.07 min Scan# 742

Delta R.T. -0.03 min

Lab File: BF090214.D

Acq: 23 Sep 2016 22:50

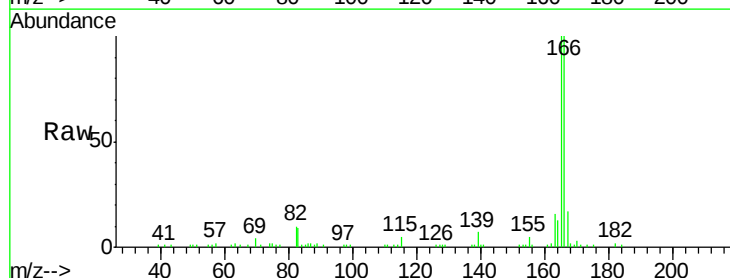
Tgt Ion:166 Resp: 68897

Ion Ratio Lower Upper

166 100

165 99.5 78.5 117.7

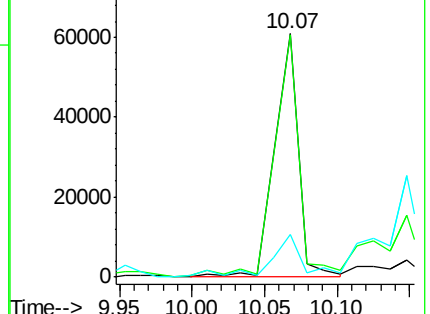
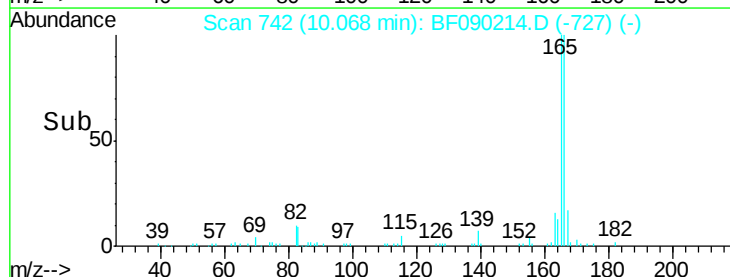
167 17.3 11.2 16.8#

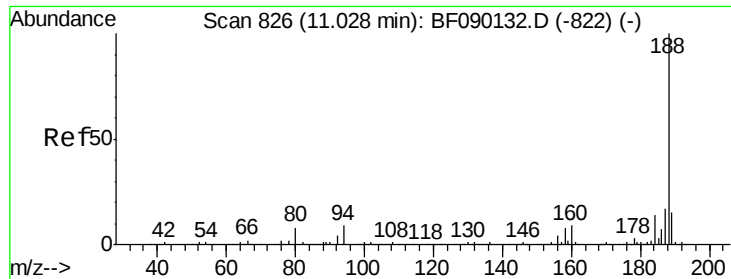


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

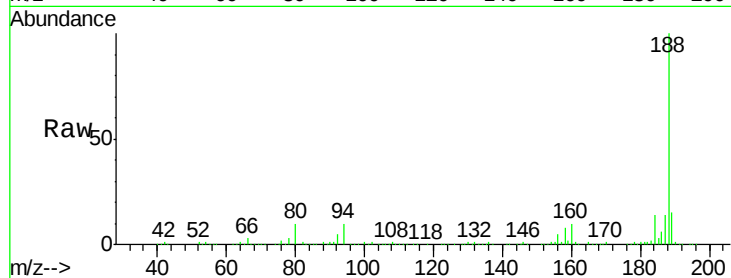




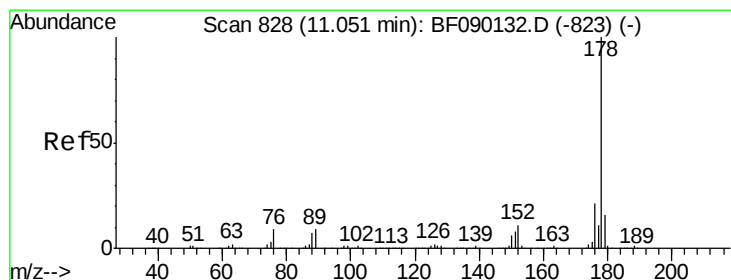
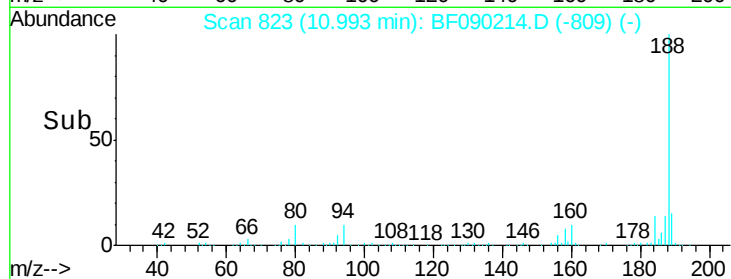
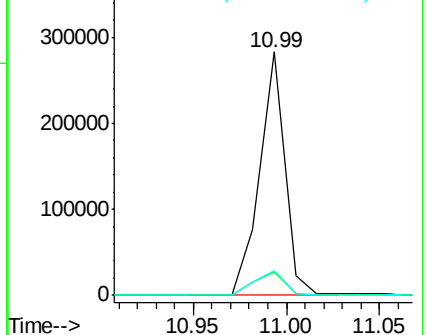
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.99 min Scan# 823
Delta R.T. -0.03 min
Lab File: BF090214.D
Acq: 23 Sep 2016 22:50

Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-18B

Tgt Ion:188 Resp: 265714
Ion Ratio Lower Upper
188 100
94 9.8 10.5 15.7#
80 10.2 11.2 16.8#

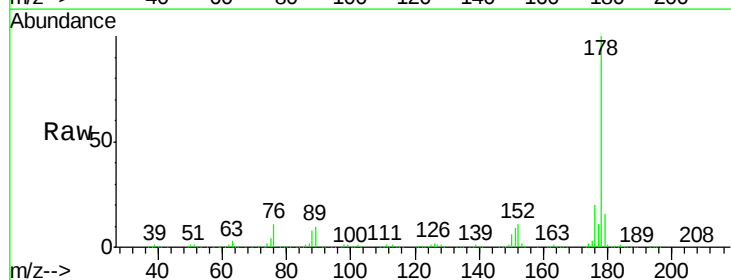


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

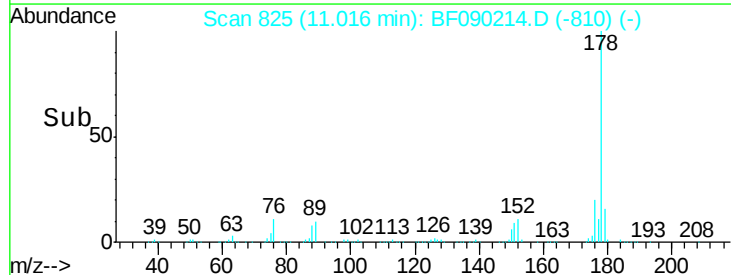
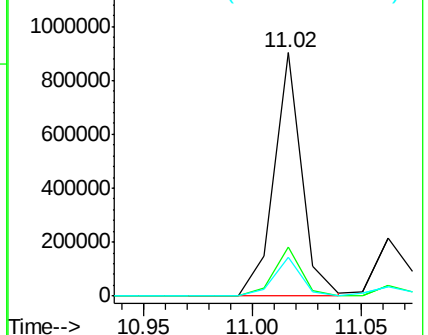


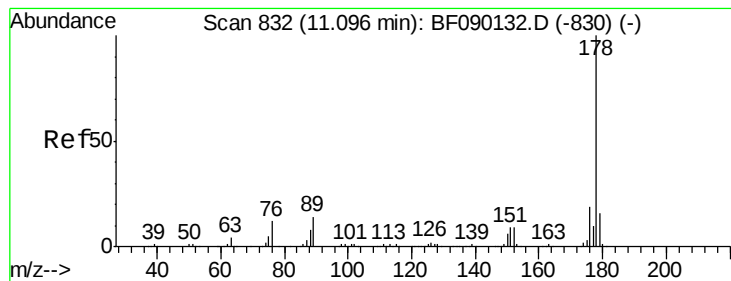
#70
Phenanthrene
Concen: 64.97 ng
RT: 11.02 min Scan# 825
Delta R.T. -0.03 min
Lab File: BF090214.D
Acq: 23 Sep 2016 22:50

Tgt Ion:178 Resp: 807324
Ion Ratio Lower Upper
178 100
176 20.2 15.9 23.9
179 15.8 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





#71

Anthracene

Concen: 19.35 ng

RT: 11.06 min Scan# 829

Delta R.T. -0.03 min

Lab File: BF090214.D

Acq: 23 Sep 2016 22:50

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-18B

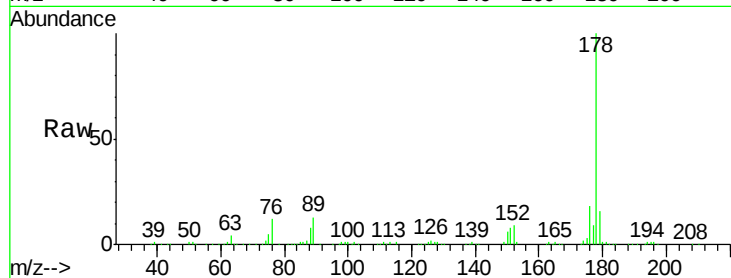
Tgt Ion:178 Resp: 252245

Ion Ratio Lower Upper

178 100

176 18.5 15.8 23.6

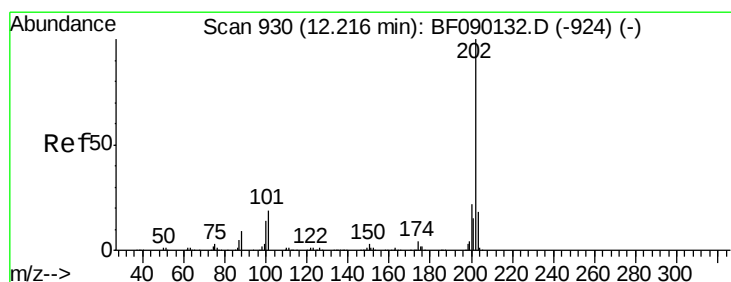
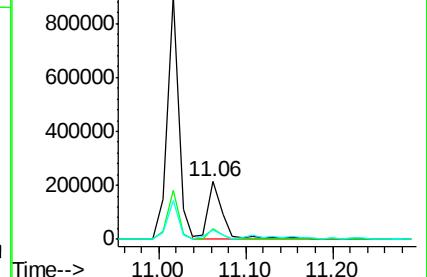
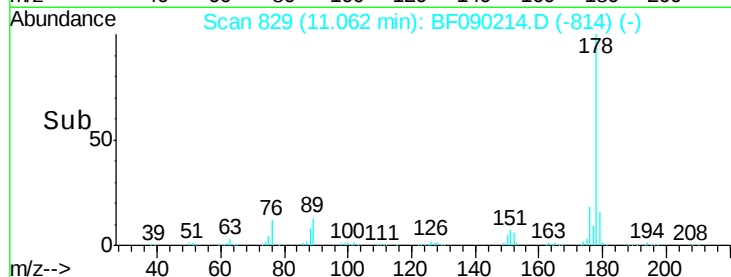
179 16.0 12.6 19.0



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: 31.73 ng

RT: 12.19 min Scan# 928

Delta R.T. -0.02 min

Lab File: BF090214.D

Acq: 23 Sep 2016 22:50

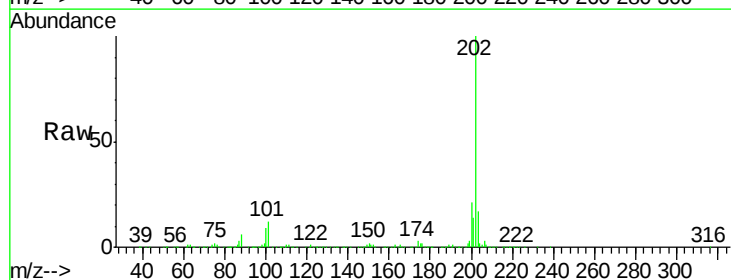
Tgt Ion:202 Resp: 423305

Ion Ratio Lower Upper

202 100

101 12.0 0.0 36.1

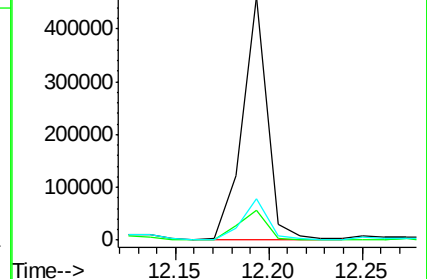
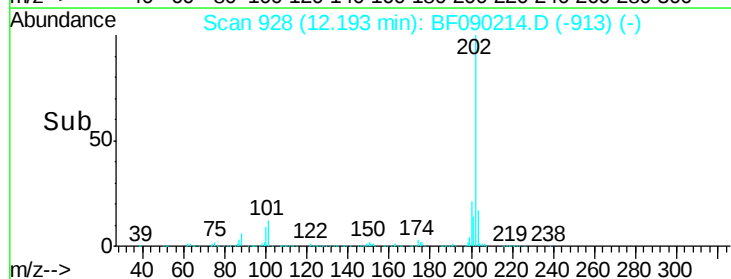
203 17.3 0.0 38.2

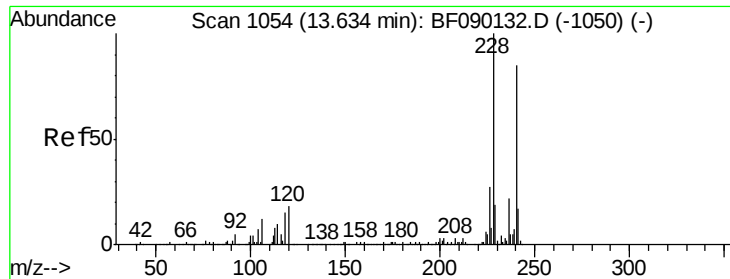


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

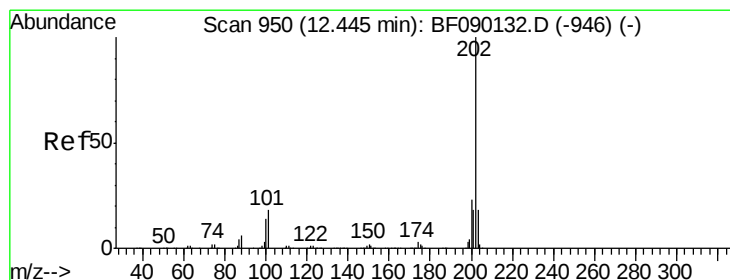
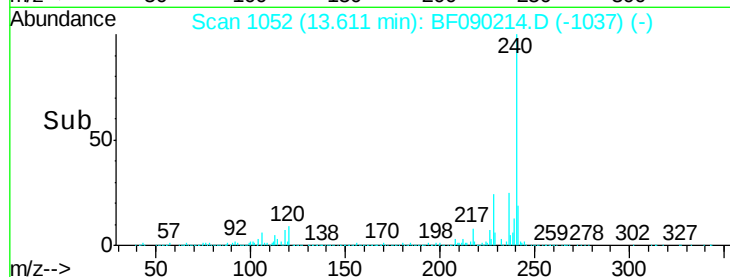
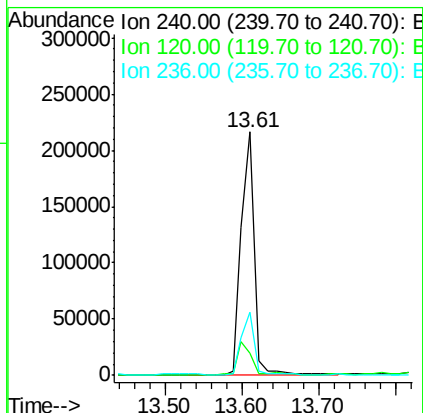
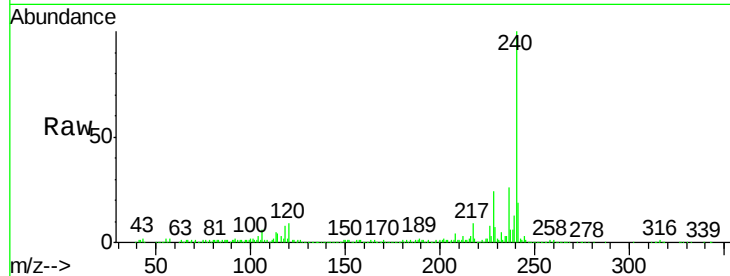




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.61 min Scan# 1052
Delta R.T. -0.02 min
Lab File: BF090214.D
Acq: 23 Sep 2016 22:50

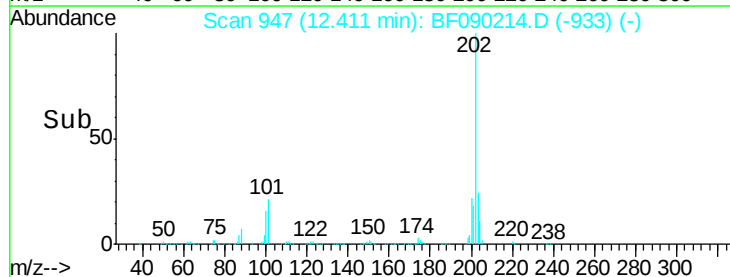
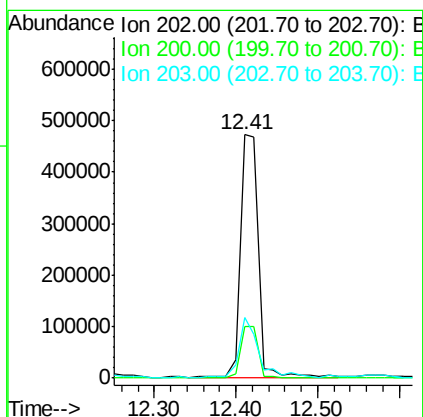
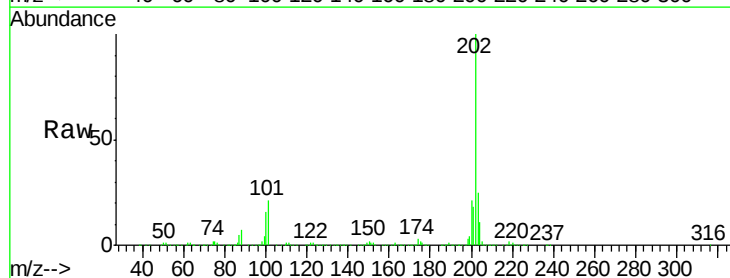
Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-18B

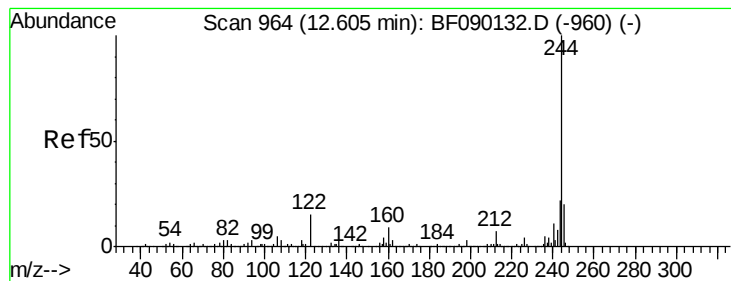
Tgt Ion:240 Resp: 257987
Ion Ratio Lower Upper
240 100
120 9.1 10.6 16.0#
236 25.9 21.6 32.4



#77
Pyrene
Concen: 40.39 ng
RT: 12.41 min Scan# 947
Delta R.T. -0.03 min
Lab File: BF090214.D
Acq: 23 Sep 2016 22:50

Tgt Ion:202 Resp: 713014
Ion Ratio Lower Upper
202 100
200 21.4 17.9 26.9
203 24.7 14.2 21.4#





#78

Terphenyl-d14

Concen: 62.01 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.03 min

Lab File: BF090214.D

Acq: 23 Sep 2016 22:50

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-18B

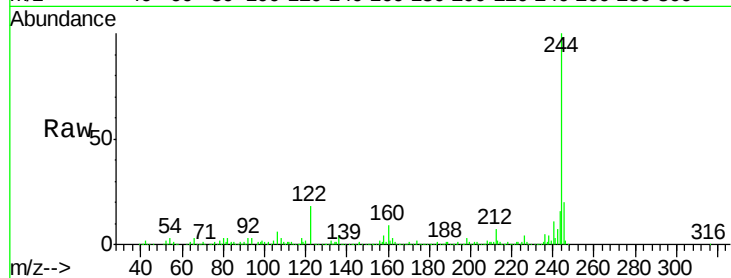
Tgt Ion:244 Resp: 630159

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

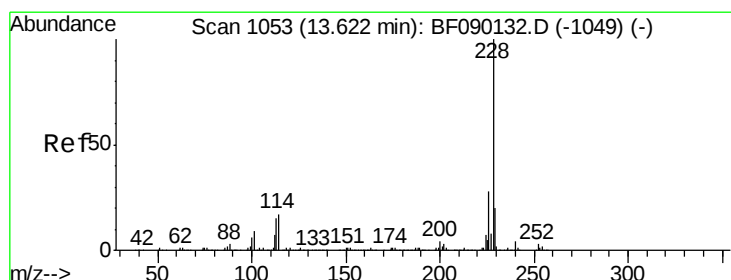
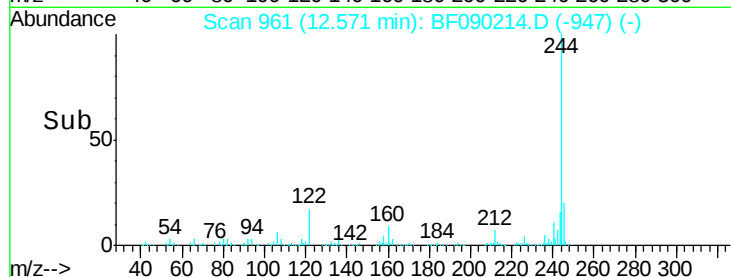
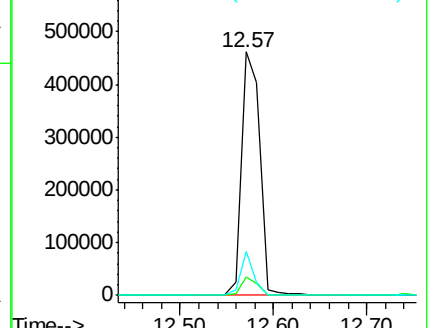
122 18.2 9.4 14.0#



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: 21.80 ng

RT: 13.60 min Scan# 1051

Delta R.T. -0.02 min

Lab File: BF090214.D

Acq: 23 Sep 2016 22:50

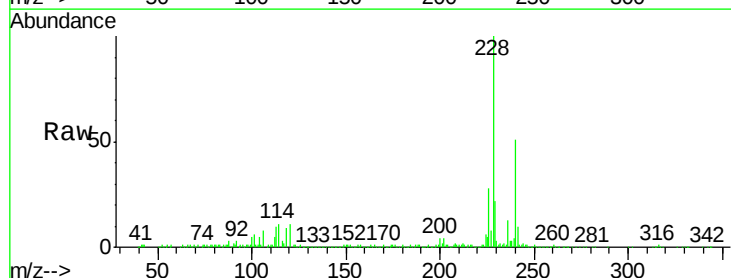
Tgt Ion:228 Resp: 302517

Ion Ratio Lower Upper

228 100

226 28.2 22.0 33.0

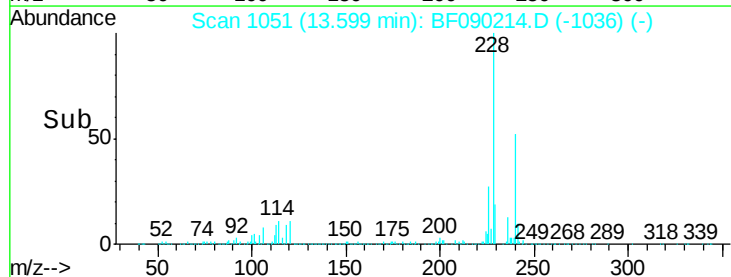
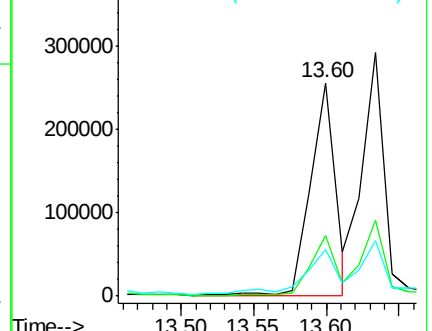
229 21.9 16.2 24.2

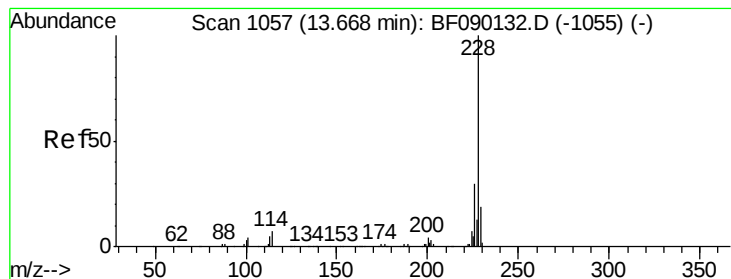


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 22.80 ng

RT: 13.63 min Scan# 1054

Delta R.T. -0.03 min

Lab File: BF090214.D

Acq: 23 Sep 2016 22:50

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-18B

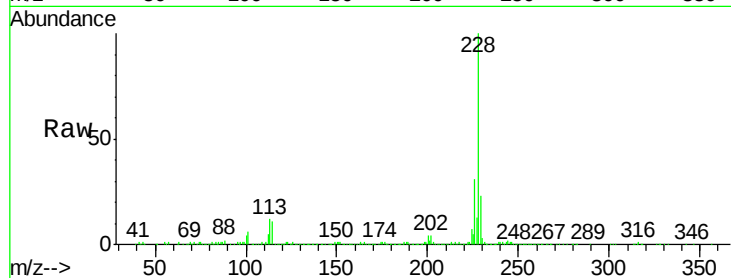
Tgt Ion: 228 Resp: 308276

Ion Ratio Lower Upper

228 100

226 31.0 24.6 37.0

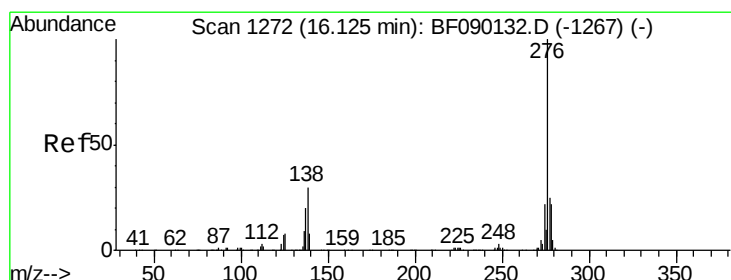
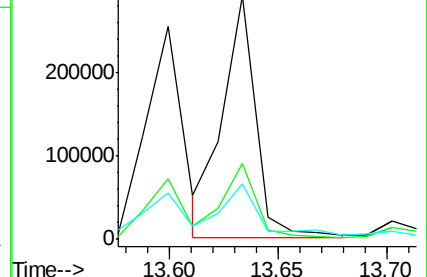
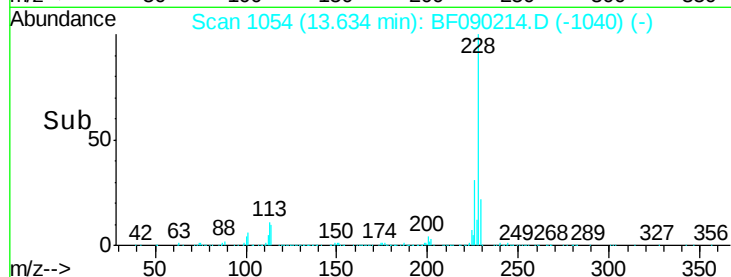
229 22.8 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.10 ng

RT: 16.08 min Scan# 1268

Delta R.T. -0.05 min

Lab File: BF090214.D

Acq: 23 Sep 2016 22:50

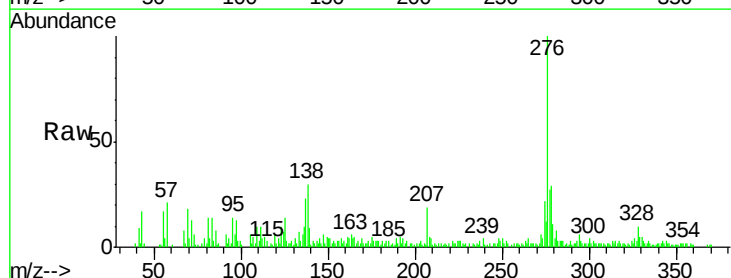
Tgt Ion: 276 Resp: 44835

Ion Ratio Lower Upper

276 100

138 27.3 25.9 38.9

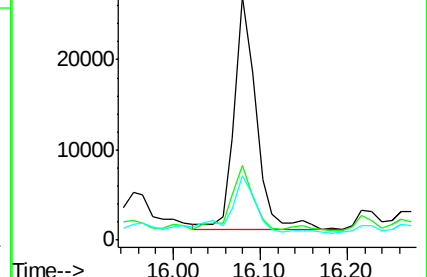
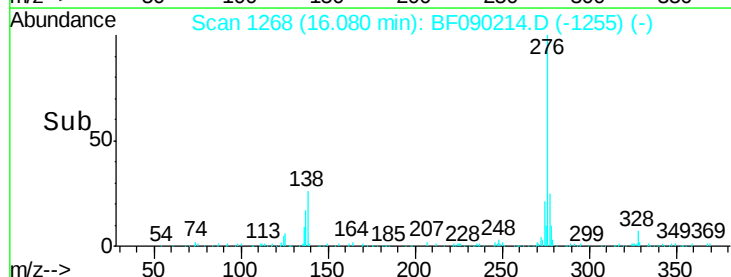
277 30.7 19.9 29.9#

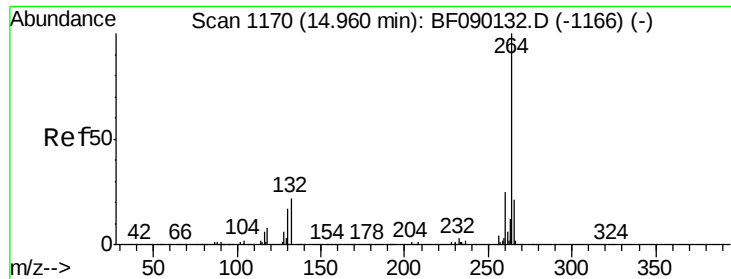


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

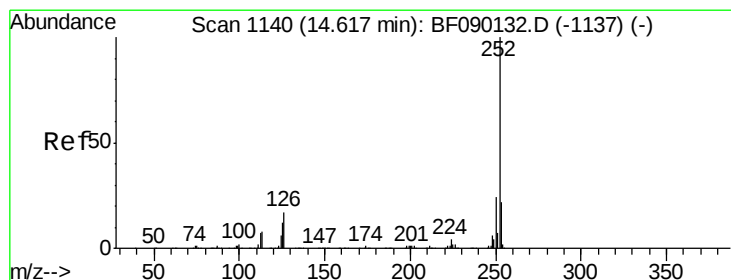
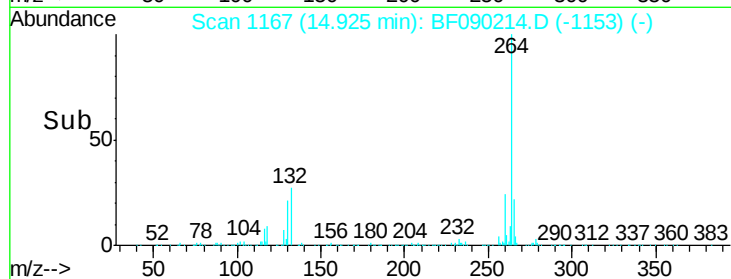
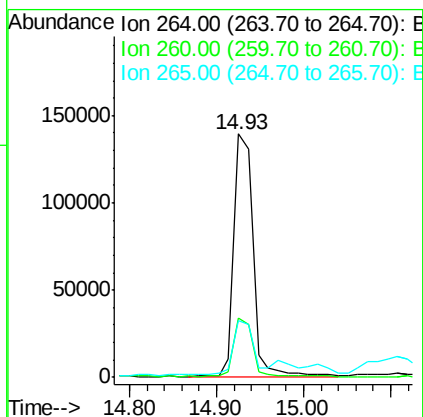
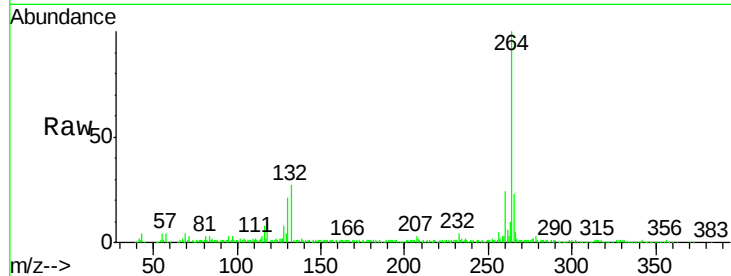




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.93 min Scan# 1167
Delta R.T. -0.03 min
Lab File: BF090214.D
Acq: 23 Sep 2016 22:50

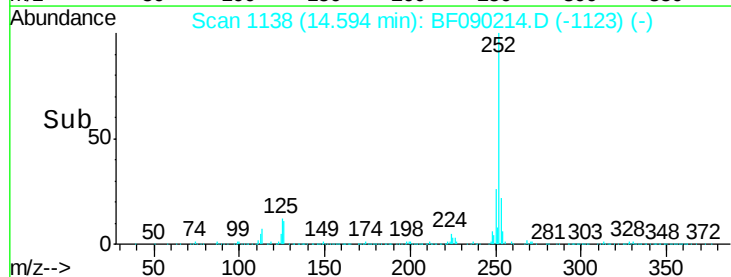
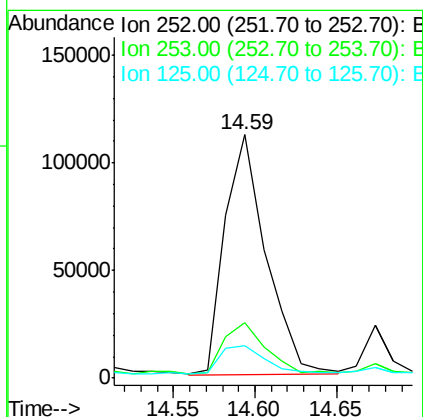
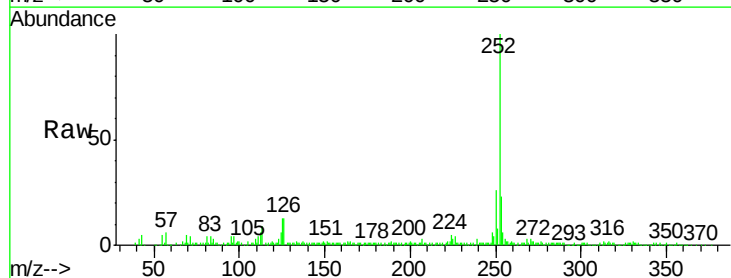
Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-18B

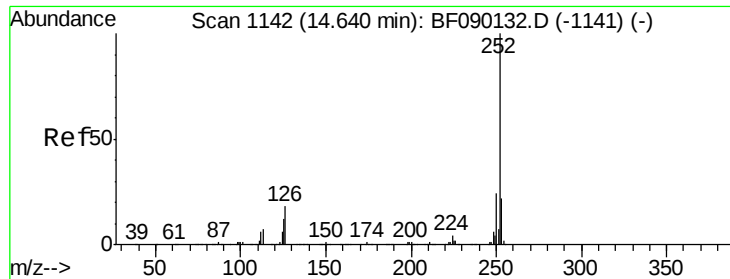
Tgt Ion: 264 Resp: 212232
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 23.2 17.0 25.4



#87
Benzo(b)fluoranthene
Concen: 16.63 ng
RT: 14.59 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BF090214.D
Acq: 23 Sep 2016 22:50

Tgt Ion: 252 Resp: 195446
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 13.5 12.7 19.1

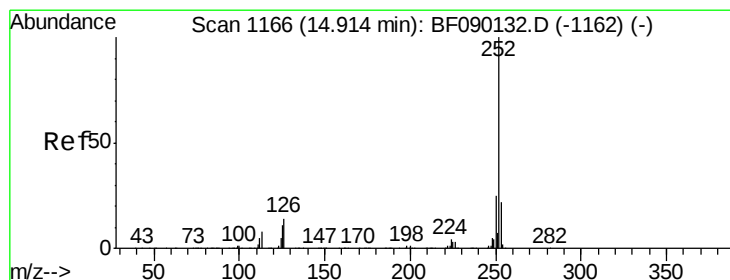
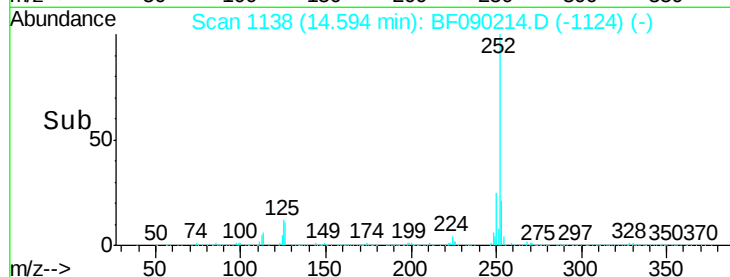
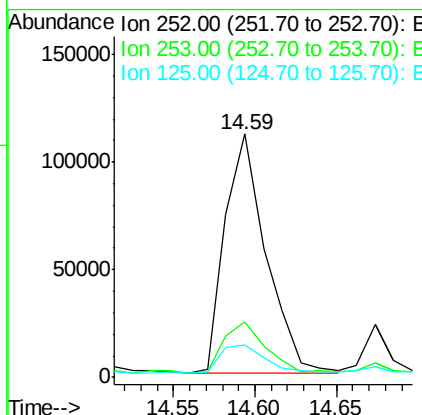
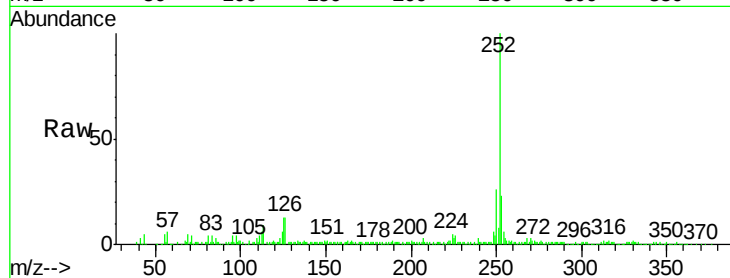




#88
Benzo(k)fluoranthene
Concen: 17.59 ng
RT: 14.59 min Scan# 1138
Delta R.T. -0.05 min
Lab File: BF090214.D
Acq: 23 Sep 2016 22:50

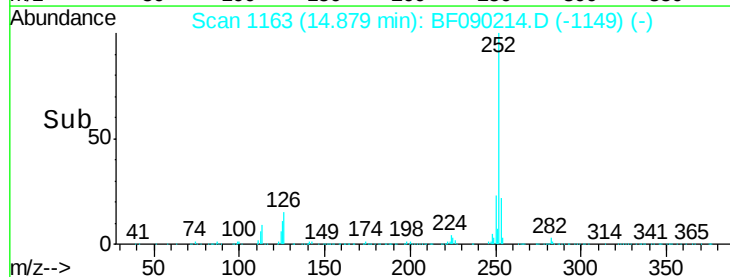
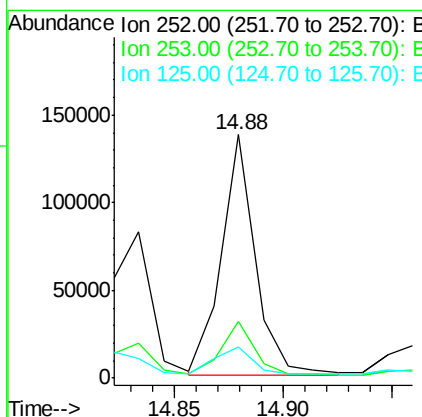
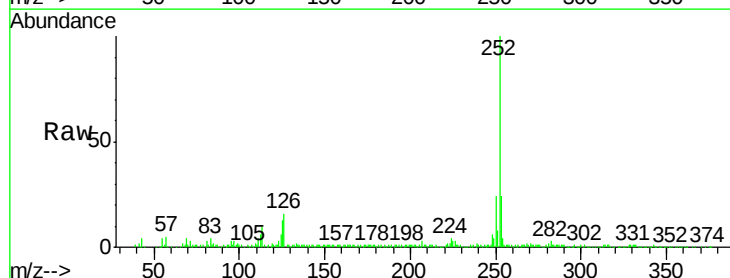
Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-18B

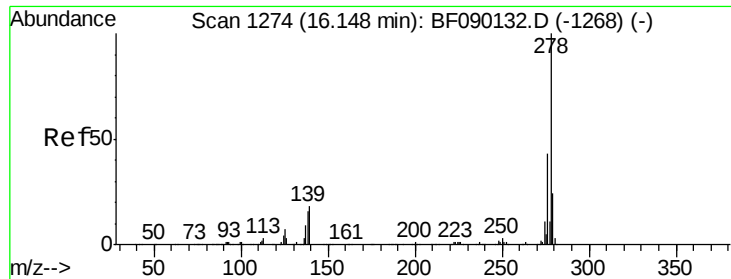
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	13.5	7.8	11.6



#89
Benzo(a)pyrene
Concen: 13.46 ng
RT: 14.88 min Scan# 1163
Delta R.T. -0.03 min
Lab File: BF090214.D
Acq: 23 Sep 2016 22:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.0
125	12.8	7.7	11.5





#90

Dibenzo(a,h)anthracene

Concen: 2.47 ng

RT: 16.09 min Scan# 1269

Delta R.T. -0.06 min

Lab File: BF090214.D

Acq: 23 Sep 2016 22:50

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-18B

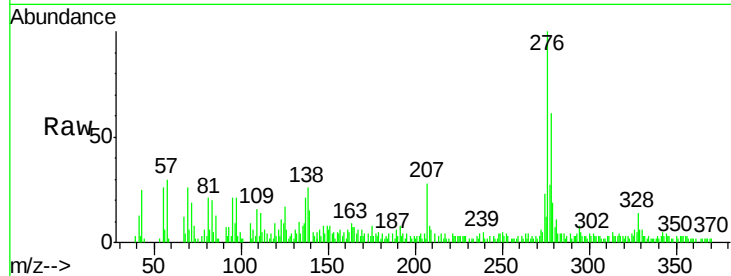
Tgt Ion: 278 Resp: 21265

Ion Ratio Lower Upper

278 100

139 24.1 14.6 21.8#

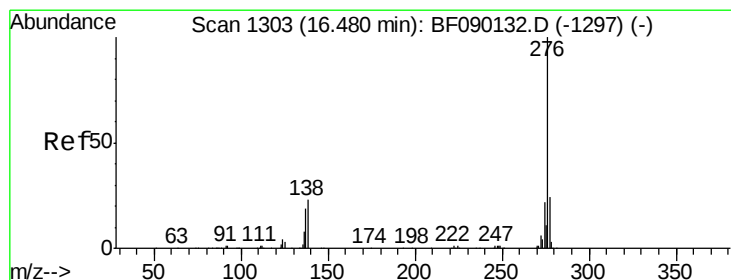
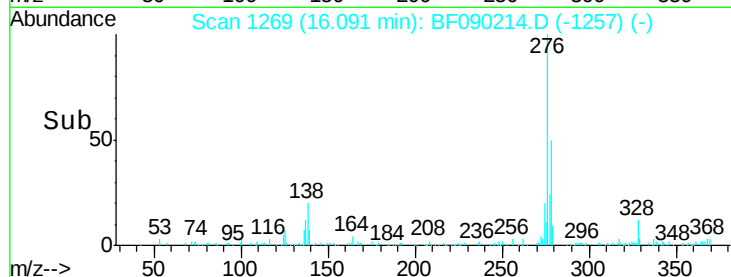
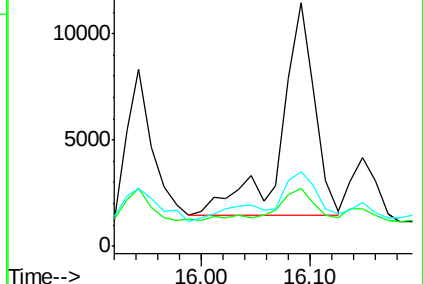
279 30.5 18.8 28.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 5.68 ng

RT: 16.42 min Scan# 1298

Delta R.T. -0.06 min

Lab File: BF090214.D

Acq: 23 Sep 2016 22:50

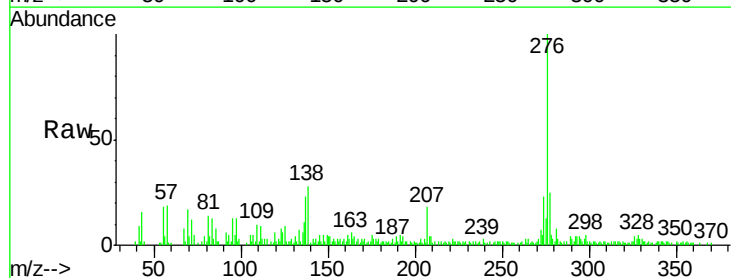
Tgt Ion: 276 Resp: 47955

Ion Ratio Lower Upper

276 100

277 25.3 18.9 28.3

138 27.6 23.3 34.9



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

