

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101916\
 Data File : BF090657.D
 Acq On : 19 Oct 2016 19:38
 Operator : UM/SJ
 Sample : H5304-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-TP

Quant Time: Oct 20 01:01:38 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 19 15:13:23 2016
 Response via : Initial Calibration

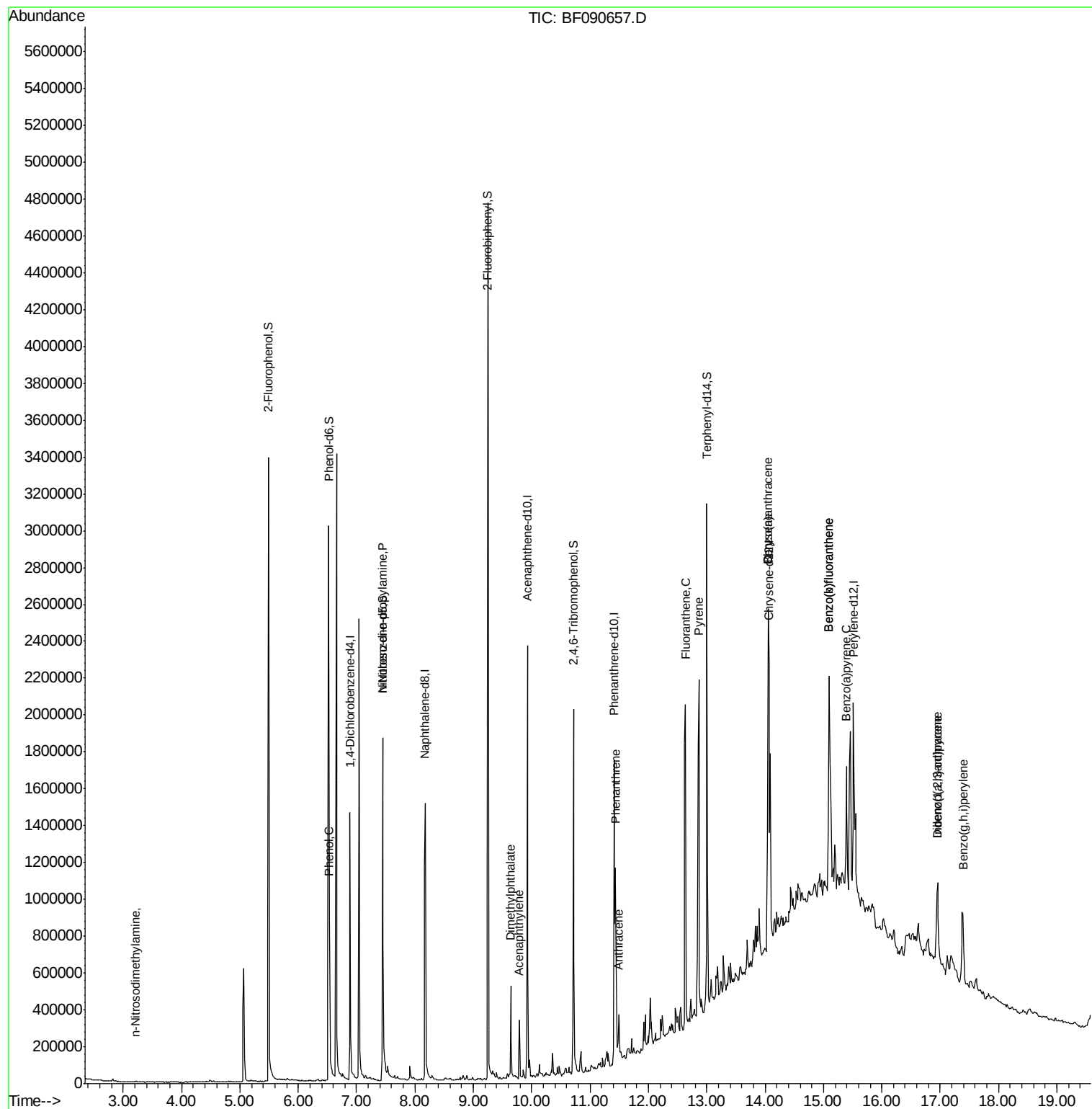
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	239263	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	975195	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	482818	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	705253	20.00	ng	-0.01
75) Chrysene-d12	14.06	240	571545	20.00	ng	0.00
86) Perylene-d12	15.52	264	562363	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	987014	75.63	ng	0.00
7) Phenol-d6	6.52	99	1245688	64.23	ng	-0.01
23) Nitrobenzene-d5	7.45	82	824490	46.97	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	244594	56.82	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1411990	48.19	ng	-0.01
78) Terphenyl-d14	13.00	244	979052	39.89	ng	-0.01
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.21	42	498	7.24	ng	# 1
10) Phenol	6.53	94	50027	2.26	ng	84
19) n-Nitroso-di-n-propylamine	7.45	70	93643	7.04	ng	# 81
48) Acenaphthylene	9.79	152	130409	2.99	ng	98
49) Dimethylphthalate	9.64	163	210677	6.73	ng	99
70) Phenanthrene	11.43	178	427681	11.36	ng	99
71) Anthracene	11.49	178	135276	3.34	ng	99
74) Fluoranthene	12.63	202	1113957	29.42	ng	96
77) Pyrene	12.86	202	1101041	29.09	ng	99
80) Benzo(a)anthracene	14.05	228	662670	20.37	ng	# 91
82) Chrysene	14.05	228	662670	21.14	ng	93
85) Indeno(1,2,3-cd)pyrene	16.96	276	342683	18.91	ng	92
87) Benzo(b)fluoranthene	15.09	252	1053527	28.63	ng	96
88) Benzo(k)fluoranthene	15.09	252	1053527	26.61	ng	99
89) Benzo(a)pyrene	15.39	252	382116	11.34	ng	97
90) Dibenzo(a,h)anthracene	16.96	278	65602	2.55	ng	# 72
91) Benzo(g,h,i)perylene	17.39	276	329141	13.44	ng	98

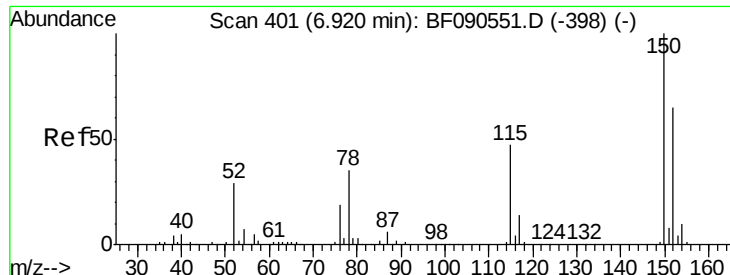
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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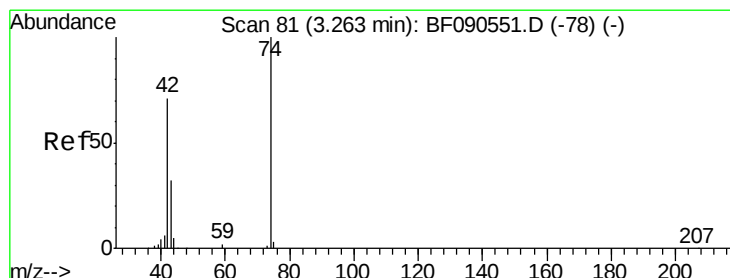
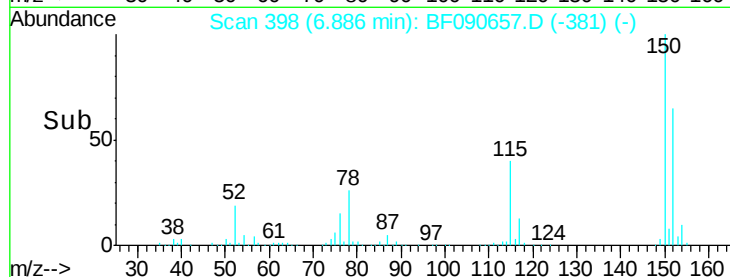
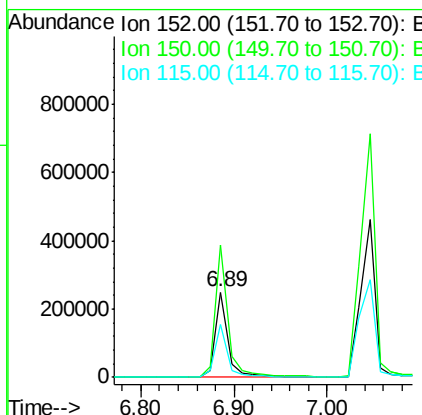
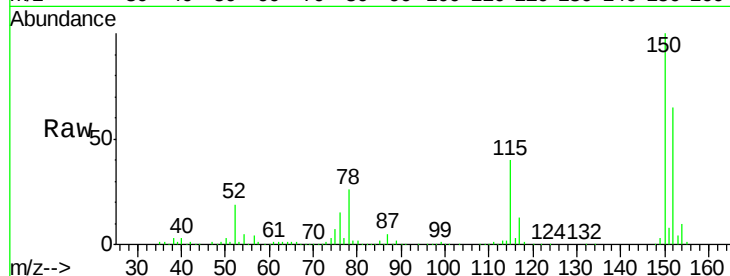




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.89 min Scan# 398
 Delta R.T. -0.00 min
 Lab File: BF090657.D
 Acq: 19 Oct 2016 19:38

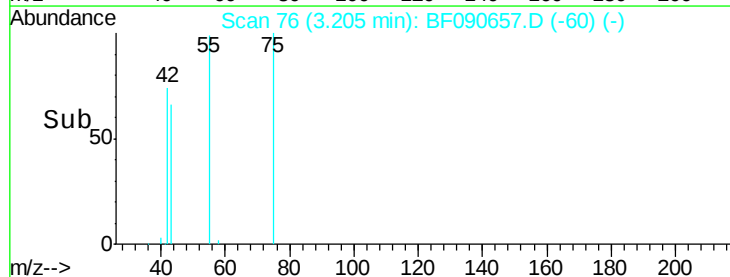
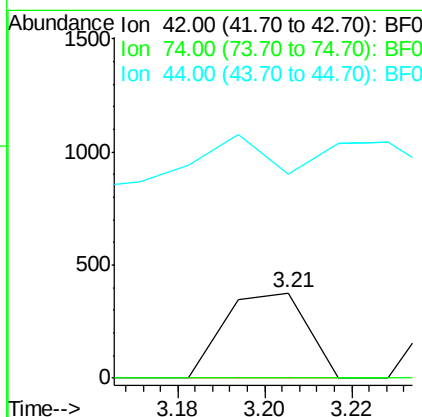
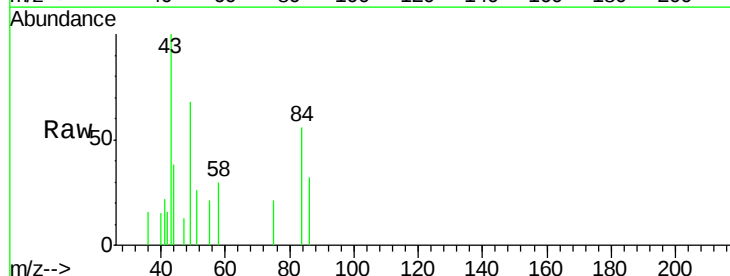
Instrument :
 BNA_F
 ClientSampled :
 COMP-TP

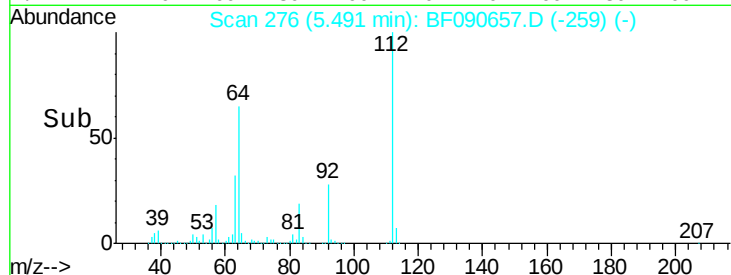
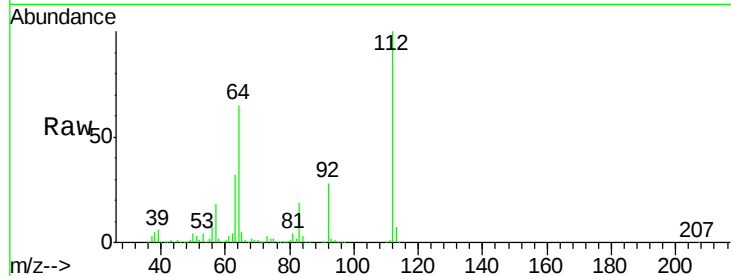
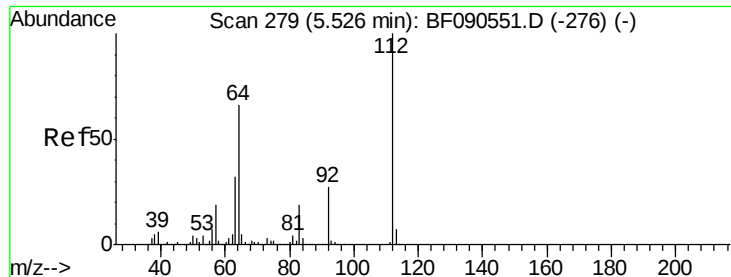
Tgt Ion:152 Resp: 239263
 Ion Ratio Lower Upper
 152 100
 150 154.4 127.2 190.8
 115 62.0 58.6 88.0



#4
 n-Nitrosodimethylamine
 Concen: 7.24 ng
 RT: 3.21 min Scan# 76
 Delta R.T. -0.01 min
 Lab File: BF090657.D
 Acq: 19 Oct 2016 19:38

Tgt Ion: 42 Resp: 498
 Ion Ratio Lower Upper
 42 100
 74 0.0 113.3 169.9#
 44 239.2 6.0 9.0#





#5

2-Fluorophenol

Concen: 75.63 ng

RT: 5.49 min Scan# 276

Delta R.T. -0.00 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

Instrument :

BNA_F

ClientSampleId :

COMP-TP

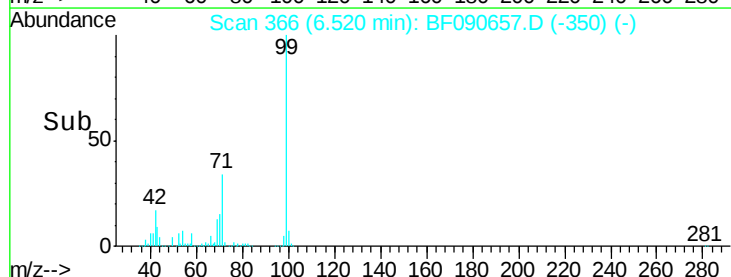
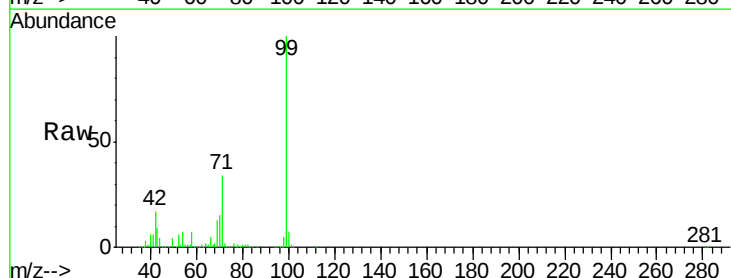
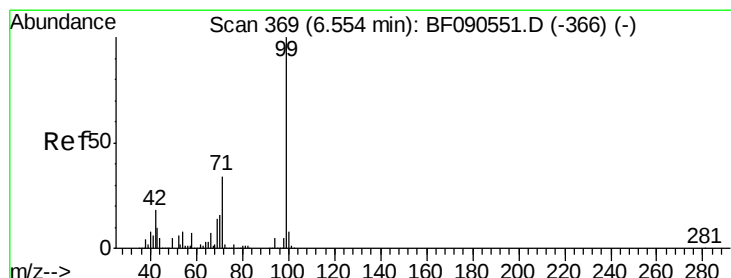
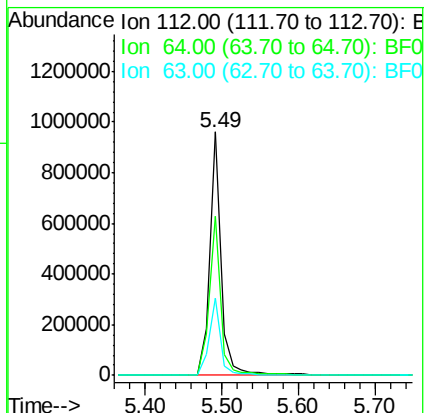
Tgt Ion: 112 Resp: 987014

Ion Ratio Lower Upper

112 100

64 65.2 52.6 78.8

63 31.6 26.0 39.0



#7

Phenol-d6

Concen: 64.23 ng

RT: 6.52 min Scan# 366

Delta R.T. -0.01 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

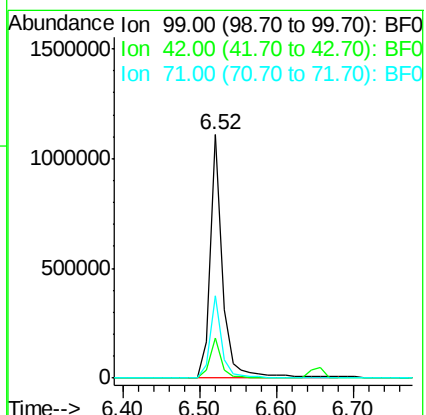
Tgt Ion: 99 Resp: 1245688

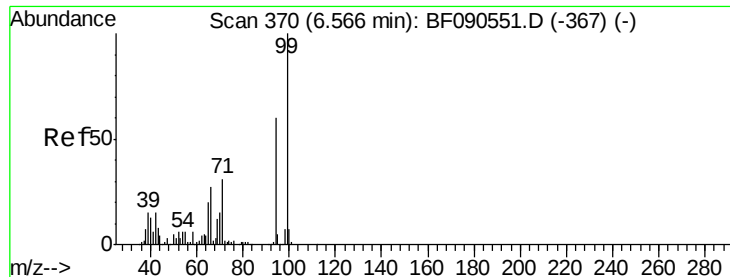
Ion Ratio Lower Upper

99 100

42 16.7 14.7 22.1

71 33.8 27.6 41.4





#10

Phenol

Concen: 2.26 ng

RT: 6.53 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

Instrument :

BNA_F

ClientSampleId :

COMP-TP

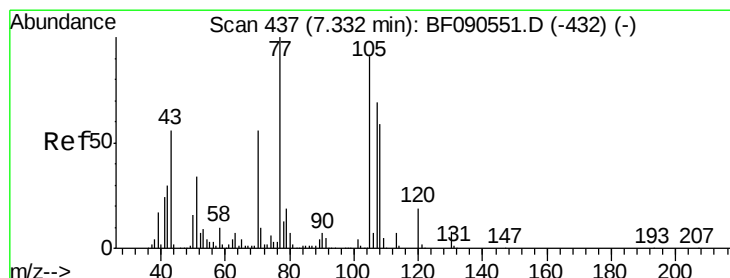
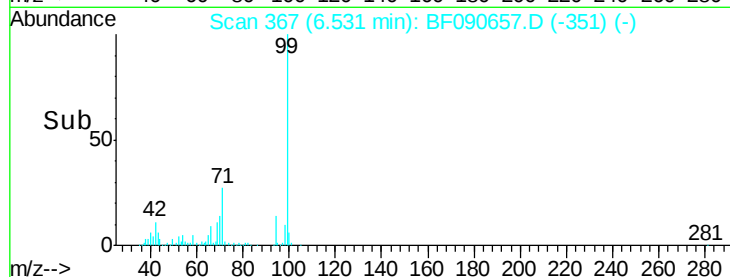
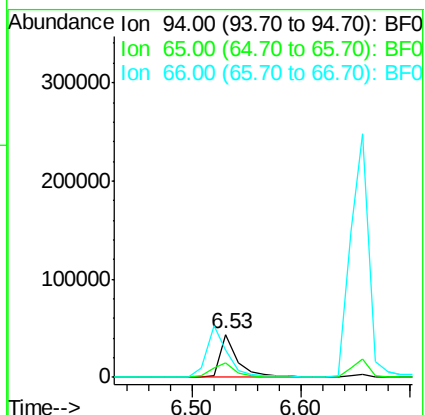
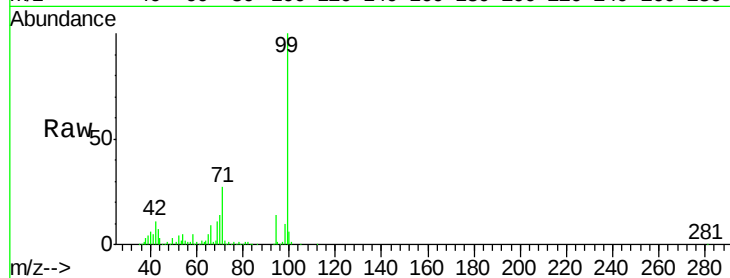
Tgt Ion: 94 Resp: 50027

Ion Ratio Lower Upper

94 100

65 33.5 12.5 52.5

66 62.8 25.5 65.5



#19

n-Nitroso-di-n-propylamine

Concen: 7.04 ng

RT: 7.45 min Scan# 447

Delta R.T. 0.14 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

Tgt Ion: 70 Resp: 93643

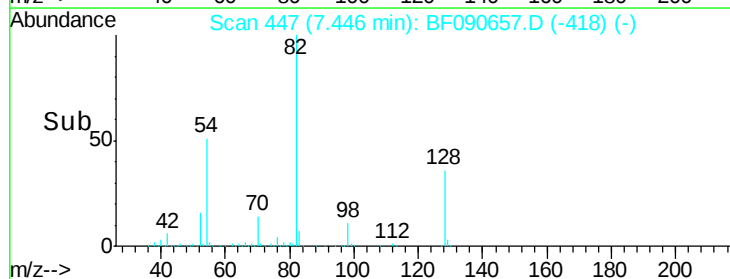
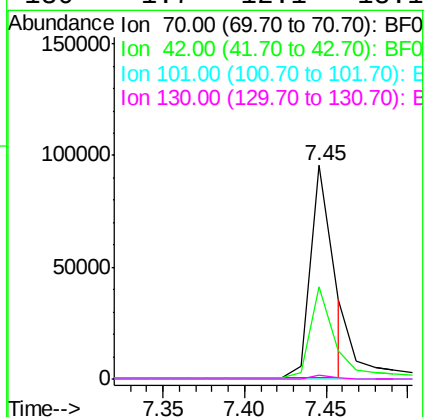
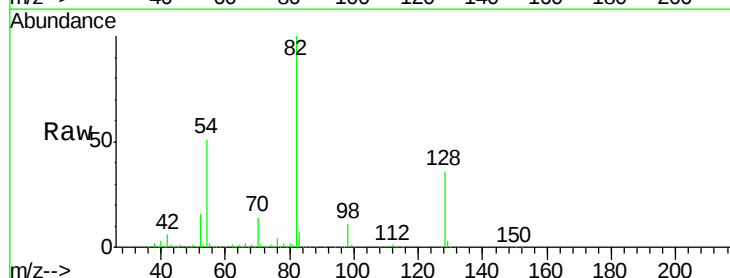
Ion Ratio Lower Upper

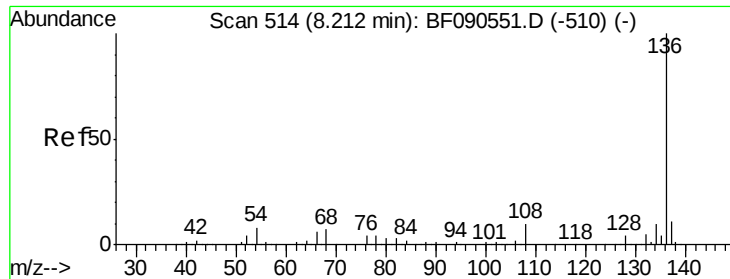
70 100

42 43.4 43.4 65.0

101 0.0 6.4 9.6#

130 1.7 12.1 18.1#

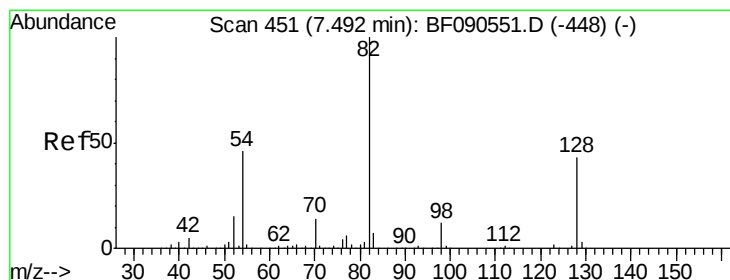
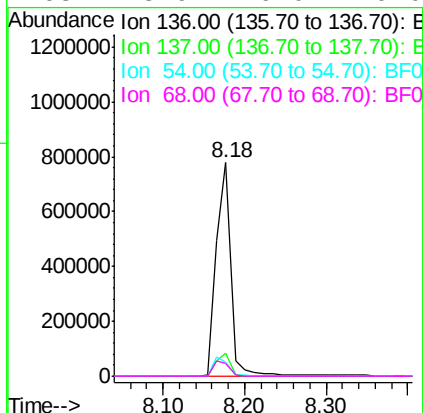
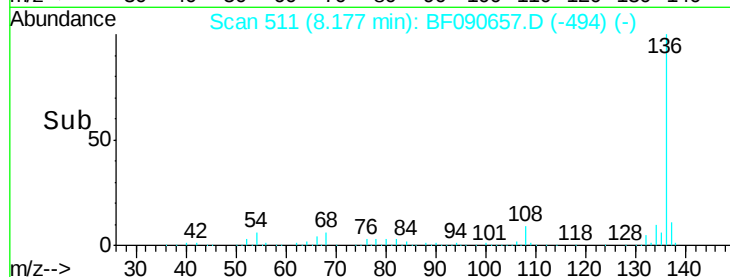
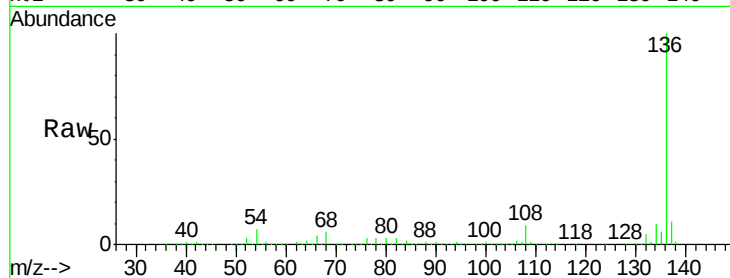




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 511
Delta R.T. -0.00 min
Lab File: BF090657.D
Acq: 19 Oct 2016 19:38

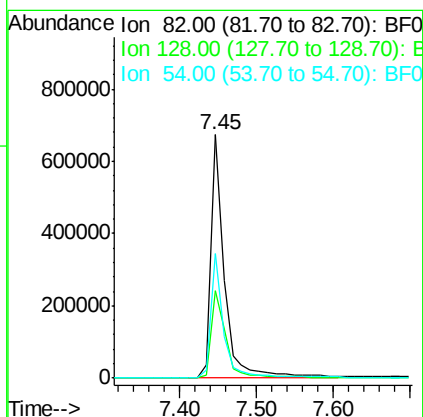
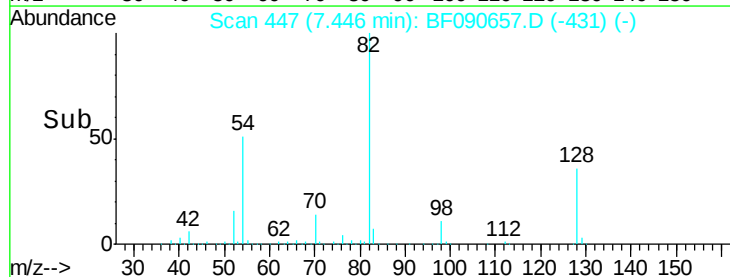
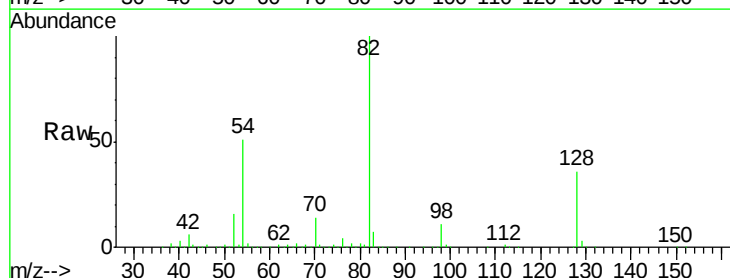
Instrument :
BNA_F
ClientSampleId :
COMP-TP

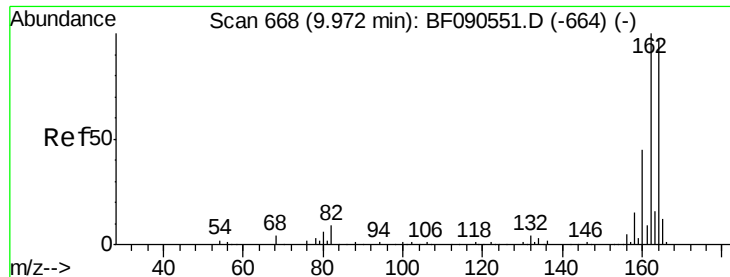
Tgt Ion:	136	Resp:	975195
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.5	6.8	10.2#
68	5.9	6.0	9.0#



#23
Nitrobenzene-d5
Concen: 46.97 ng
RT: 7.45 min Scan# 447
Delta R.T. -0.01 min
Lab File: BF090657.D
Acq: 19 Oct 2016 19:38

Tgt Ion:	82	Resp:	824490
Ion	Ratio	Lower	Upper
82	100		
128	35.9	34.3	51.5
54	50.9	37.0	55.6





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 664

Delta R.T. -0.01 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

Instrument :

BNA_F

ClientSampleId :

COMP-TP

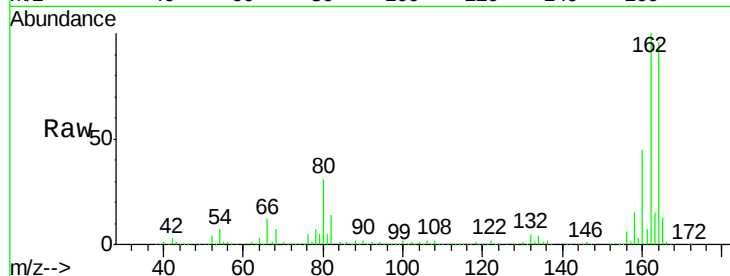
Tgt Ion:164 Resp: 482818

Ion Ratio Lower Upper

164 100

162 104.2 82.2 123.4

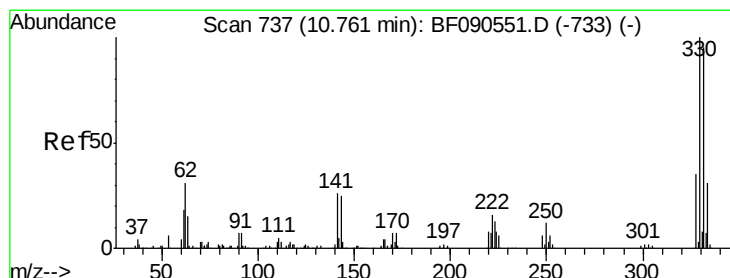
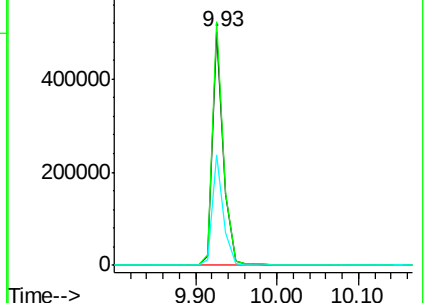
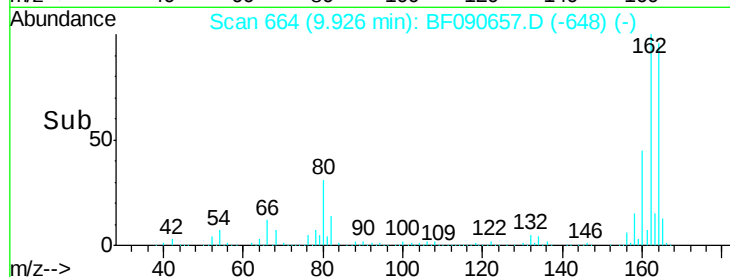
160 47.2 36.6 55.0



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: 56.82 ng

RT: 10.71 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

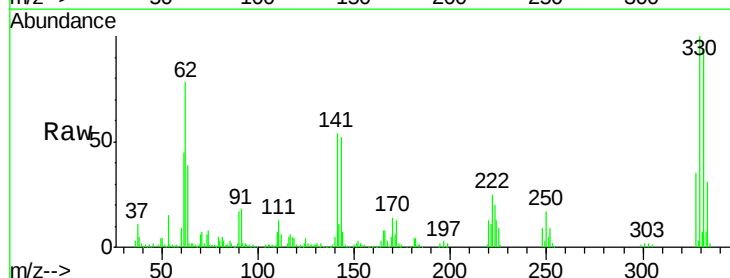
Tgt Ion:330 Resp: 244594

Ion Ratio Lower Upper

330 100

332 95.5 76.2 114.2

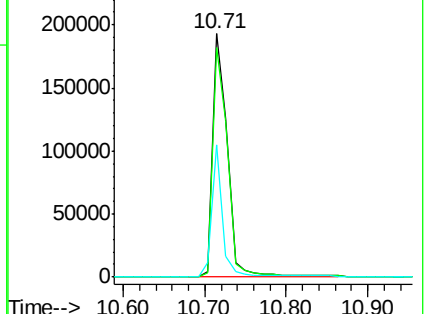
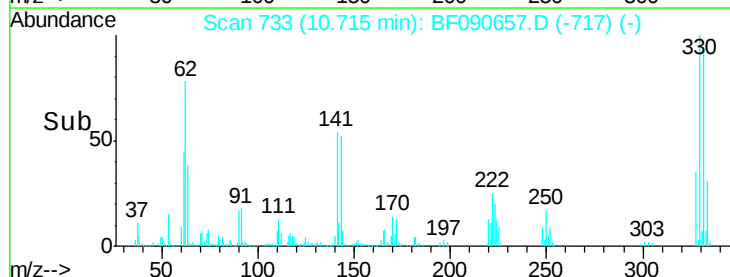
141 40.1 31.4 47.2

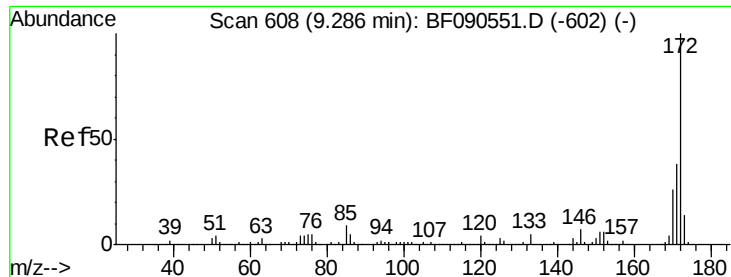


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

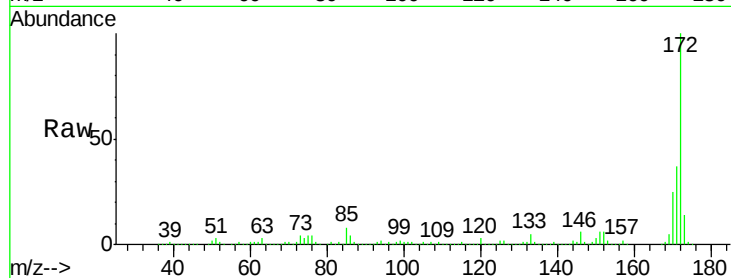




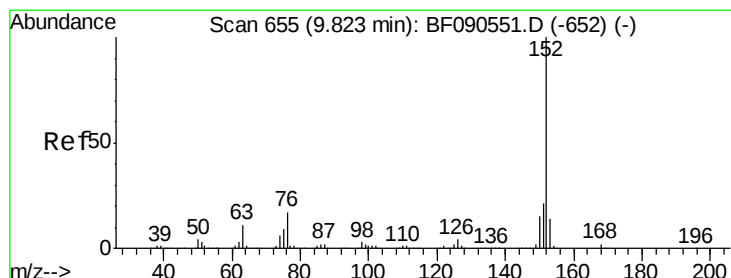
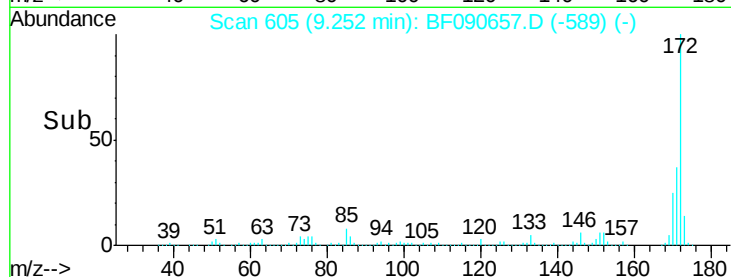
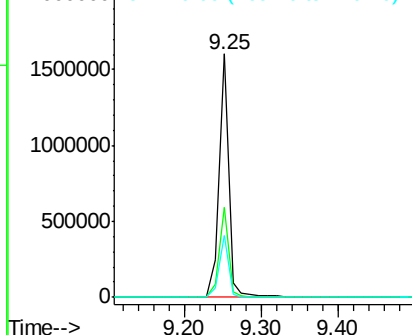
#44
 2-Fluorobiphenyl
 Concen: 48.19 ng
 RT: 9.25 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: BF090657.D
 Acq: 19 Oct 2016 19:38

Instrument :
 BNA_F
 ClientSampleId :
 COMP-TP

Tgt Ion:172 Resp: 1411990
 Ion Ratio Lower Upper
 172 100
 171 36.9 30.1 45.1
 170 25.2 20.6 30.8

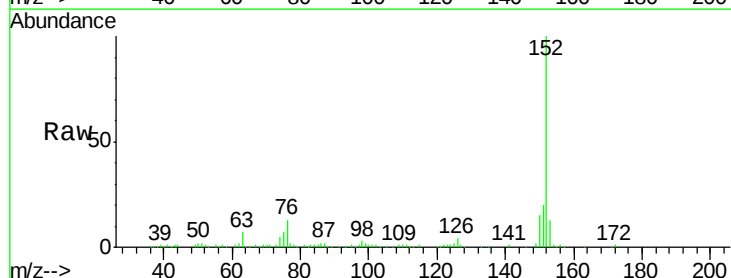


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

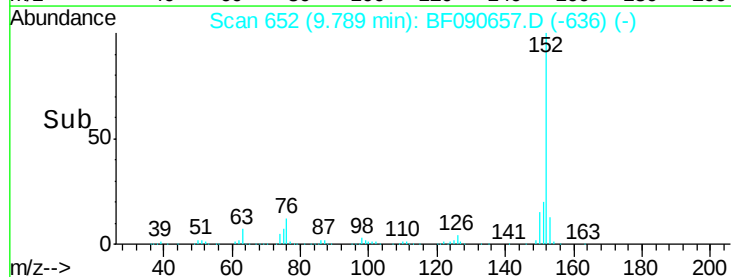
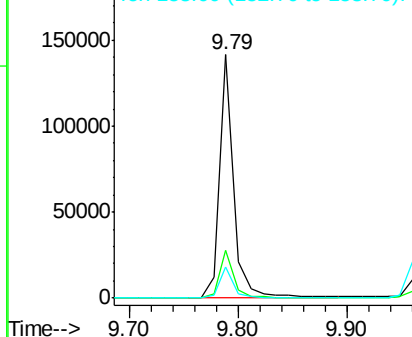


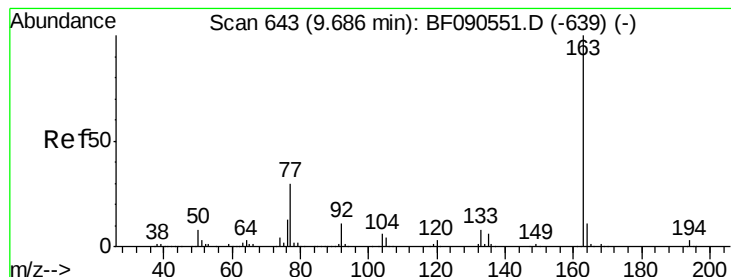
#48
 Acenaphthylene
 Concen: 2.99 ng
 RT: 9.79 min Scan# 652
 Delta R.T. -0.01 min
 Lab File: BF090657.D
 Acq: 19 Oct 2016 19:38

Tgt Ion:152 Resp: 130409
 Ion Ratio Lower Upper
 152 100
 151 19.7 16.6 25.0
 153 13.1 11.3 16.9



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 6.73 ng

RT: 9.64 min Scan# 639

Delta R.T. -0.02 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

Instrument :

BNA_F

ClientSampleId :

COMP-TP

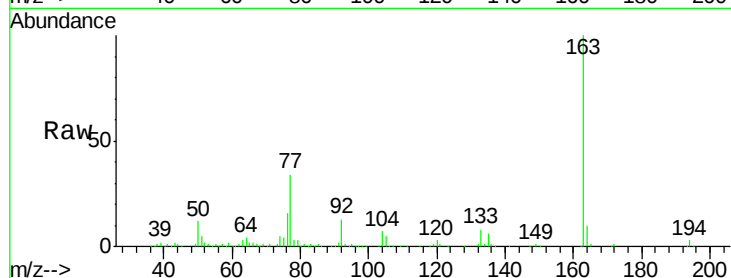
Tgt Ion:163 Resp: 210677

Ion Ratio Lower Upper

163 100

194 2.8 2.3 3.5

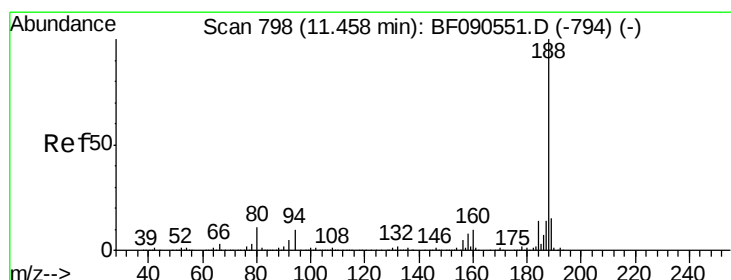
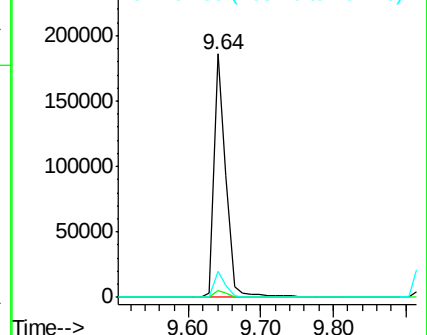
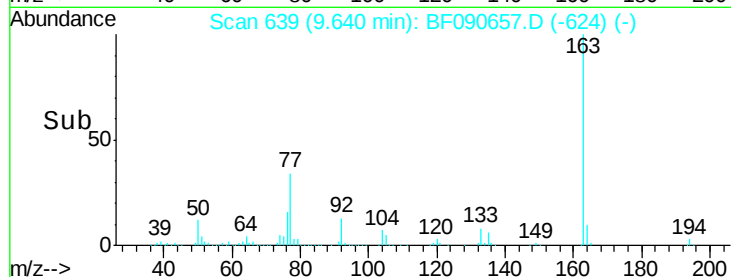
164 10.5 8.6 13.0



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 794

Delta R.T. -0.01 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

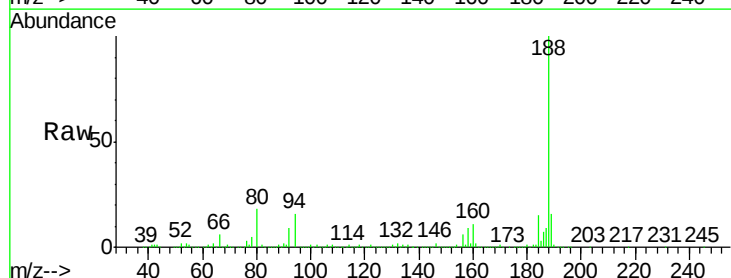
Tgt Ion:188 Resp: 705253

Ion Ratio Lower Upper

188 100

94 15.6 7.7 11.5#

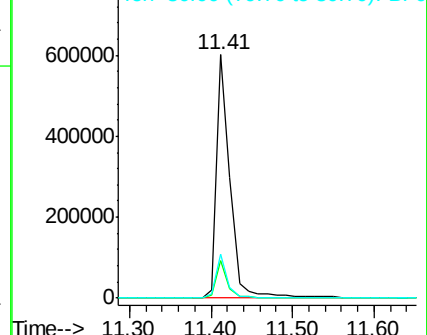
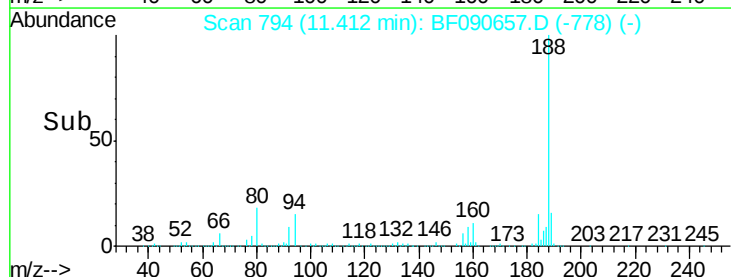
80 18.1 8.6 12.8#

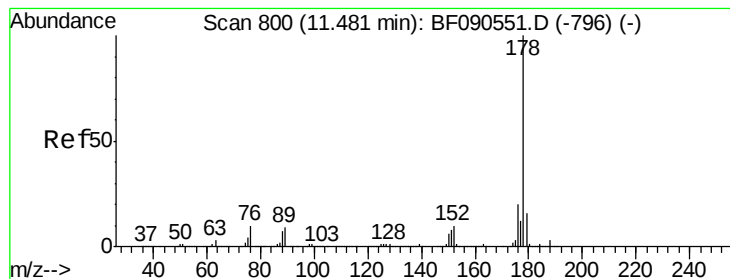


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 11.36 ng

RT: 11.43 min Scan# 796

Delta R.T. -0.01 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

Instrument :

BNA_F

ClientSampleId :

COMP-TP

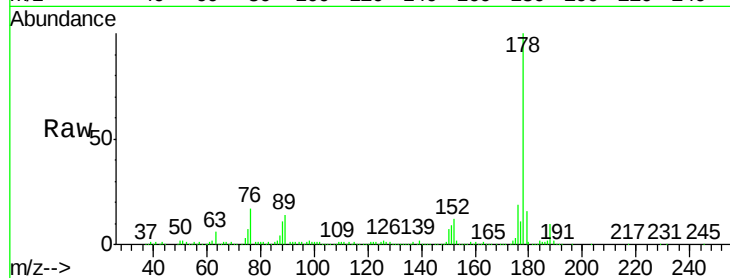
Tgt Ion:178 Resp: 427681

Ion Ratio Lower Upper

178 100

176 19.5 16.1 24.1

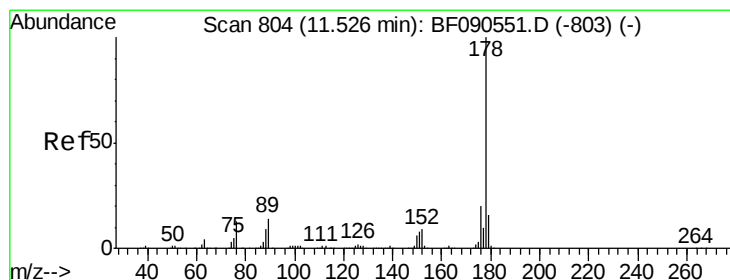
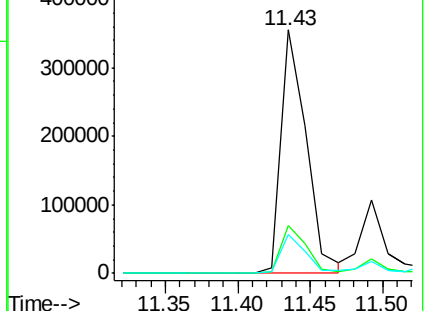
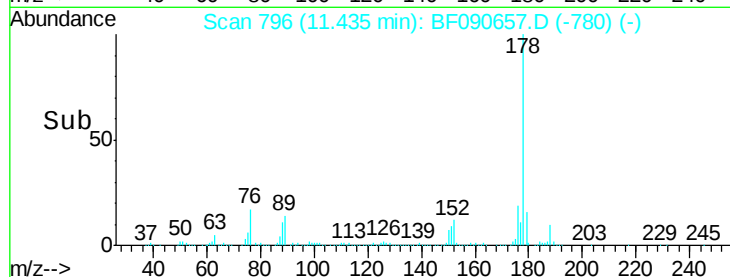
179 15.7 12.6 19.0



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



#71

Anthracene

Concen: 3.34 ng

RT: 11.49 min Scan# 801

Delta R.T. -0.01 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

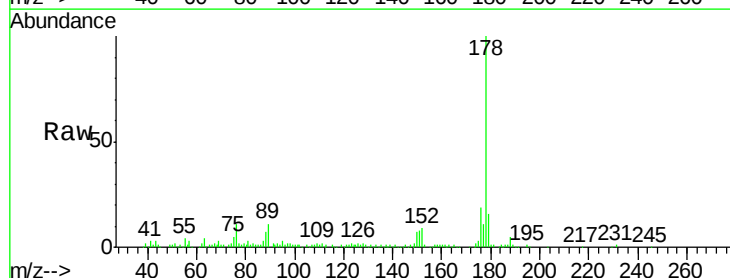
Tgt Ion:178 Resp: 135276

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

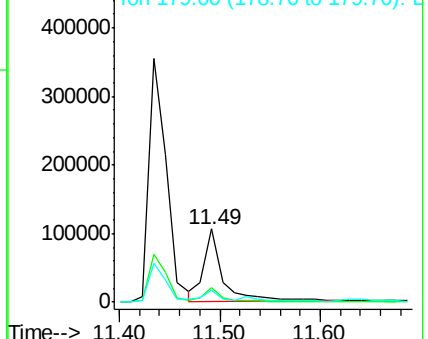
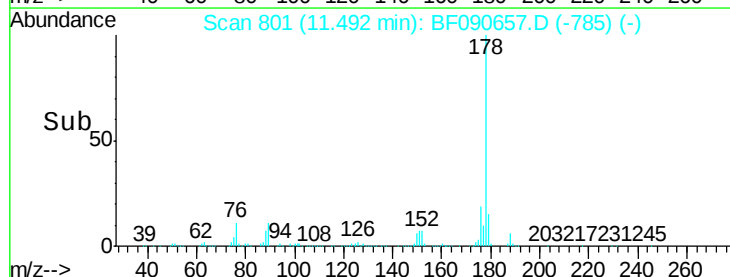
179 15.7 13.0 19.4

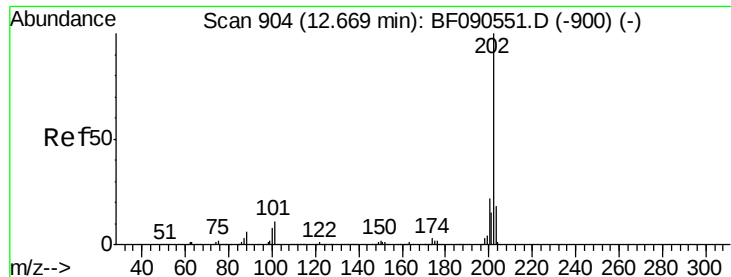


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 29.42 ng

RT: 12.63 min Scan# 901

Delta R.T. -0.00 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

Instrument :

BNA_F

ClientSampleId :

COMP-TP

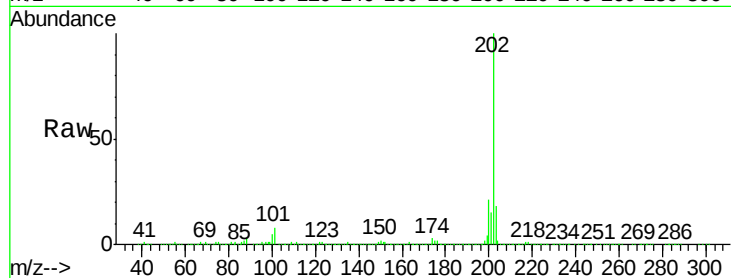
Tgt Ion:202 Resp: 1113957

Ion Ratio Lower Upper

202 100

101 7.6 0.0 31.1

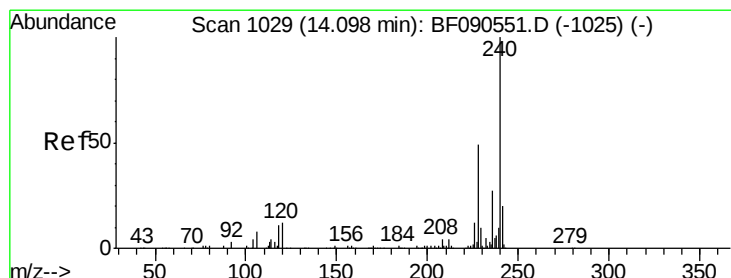
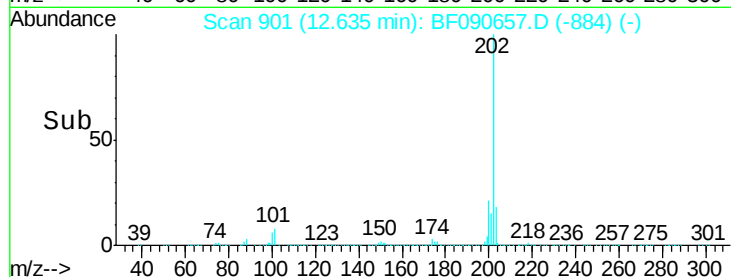
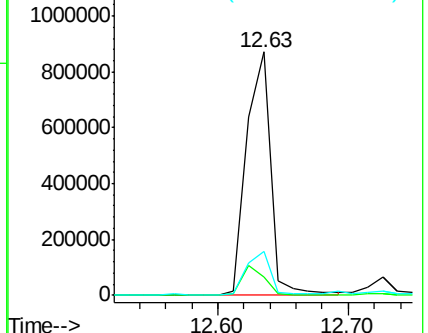
203 18.0 0.0 38.0



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: 14.06 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

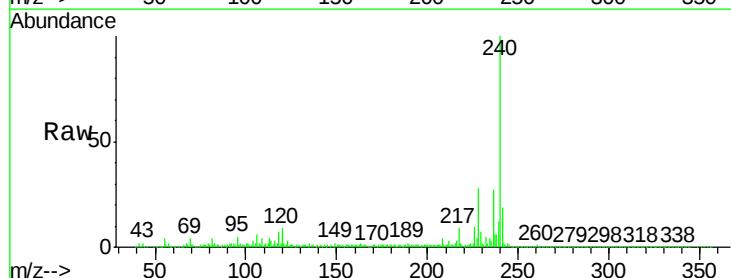
Tgt Ion:240 Resp: 571545

Ion Ratio Lower Upper

240 100

120 8.6 9.8 14.8#

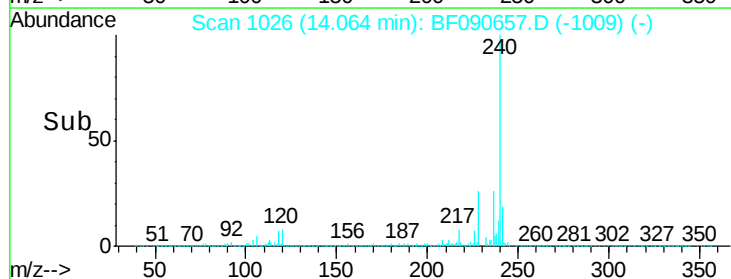
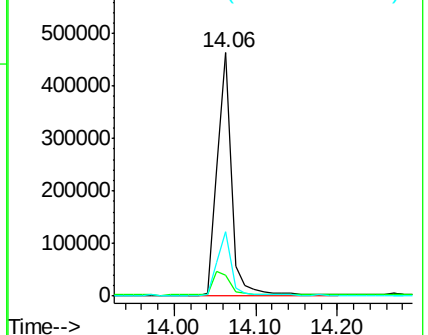
236 26.5 21.7 32.5

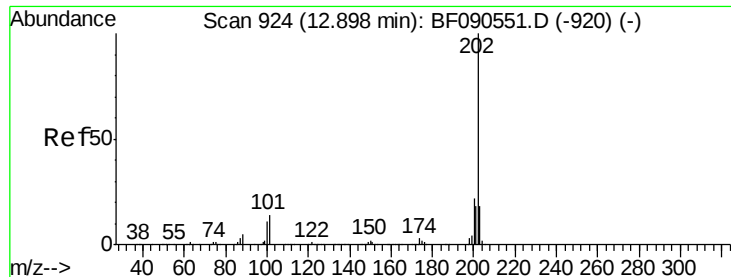


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 29.09 ng

RT: 12.86 min Scan# 921

Delta R.T. -0.00 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

Instrument :

BNA_F

ClientSampleId :

COMP-TP

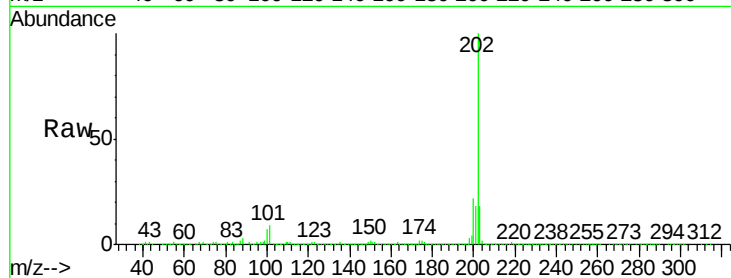
Tgt Ion:202 Resp: 1101041

Ion Ratio Lower Upper

202 100

200 21.5 17.8 26.6

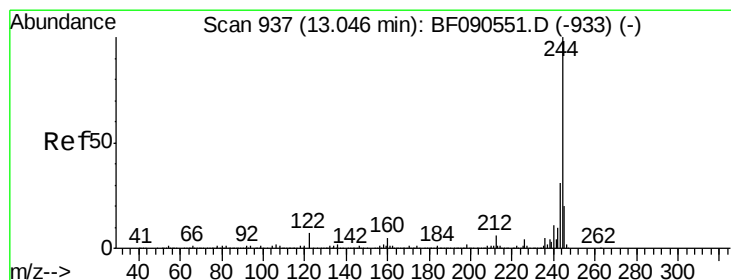
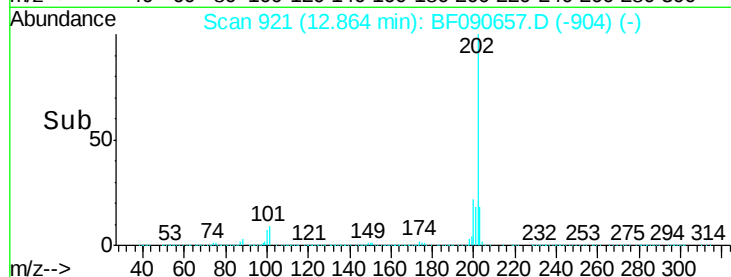
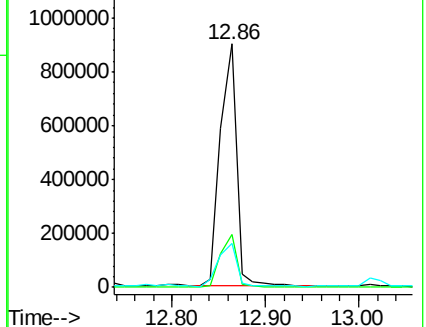
203 18.0 14.6 21.8



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: 39.89 ng

RT: 13.00 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

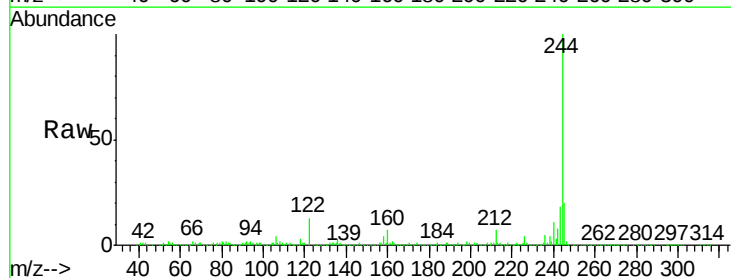
Tgt Ion:244 Resp: 979052

Ion Ratio Lower Upper

244 100

212 6.8 5.0 7.4

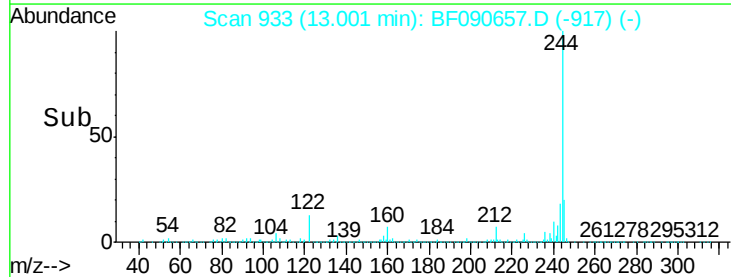
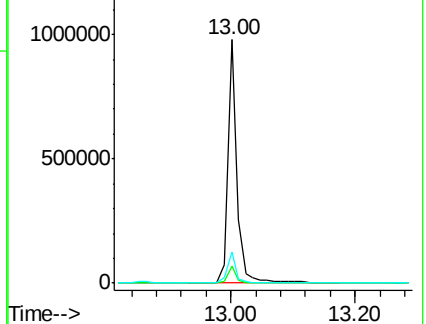
122 13.0 5.6 8.4#

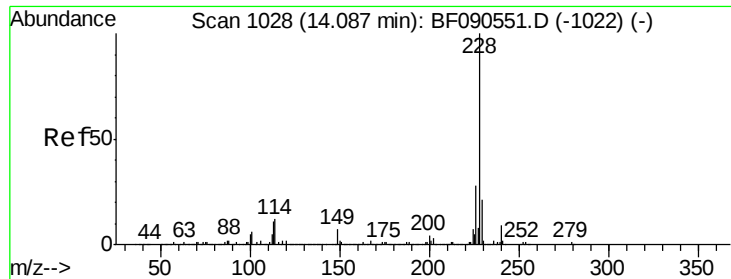


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 20.37 ng

RT: 14.05 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

Instrument :

BNA_F

ClientSampleId :

COMP-TP

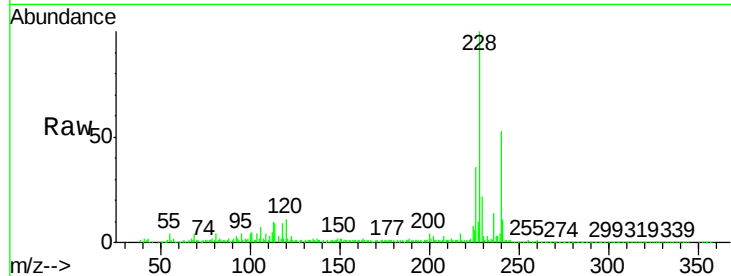
Tgt Ion:228 Resp: 662670

Ion Ratio Lower Upper

228 100

226 35.9 22.8 34.2#

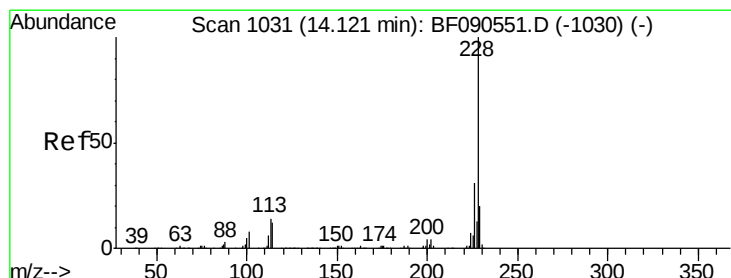
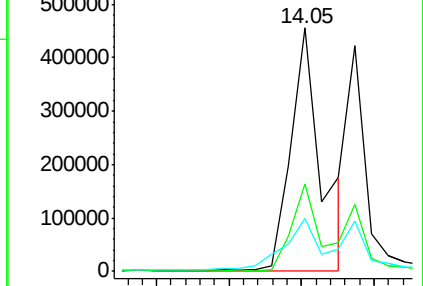
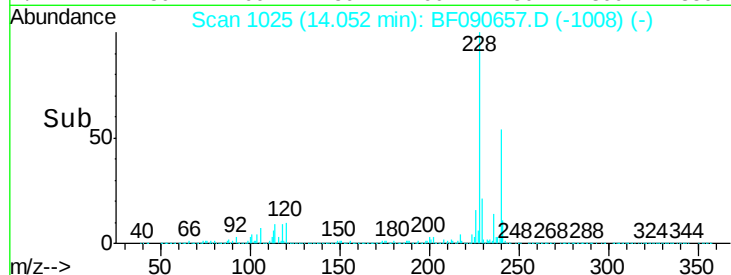
229 21.7 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 21.14 ng

RT: 14.05 min Scan# 1025

Delta R.T. -0.05 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

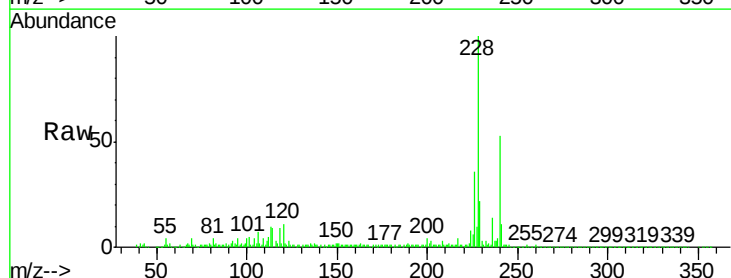
Tgt Ion:228 Resp: 662670

Ion Ratio Lower Upper

228 100

226 35.9 24.8 37.2

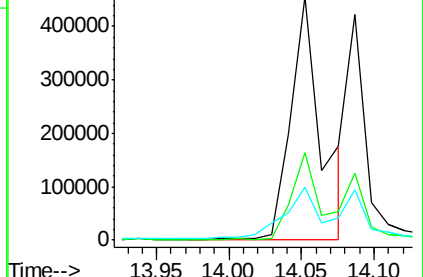
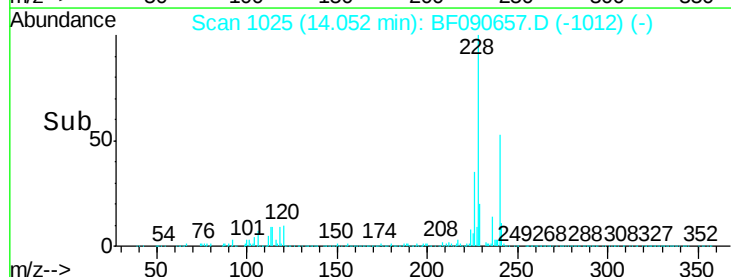
229 21.7 16.2 24.4

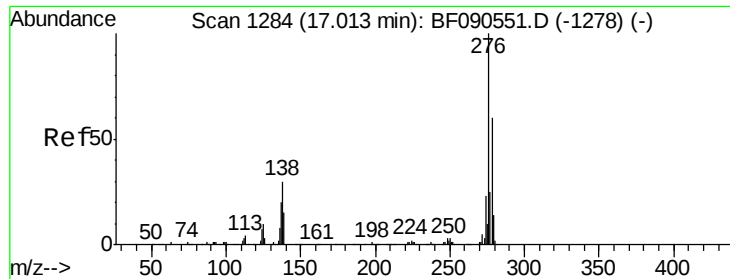


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

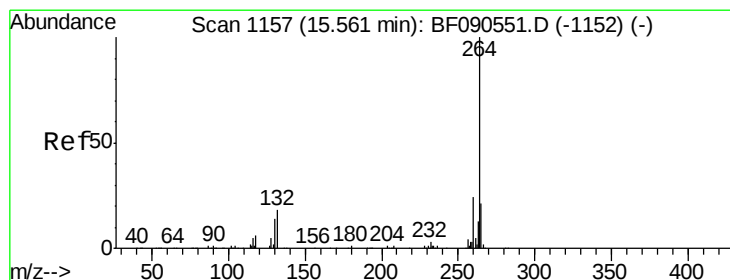
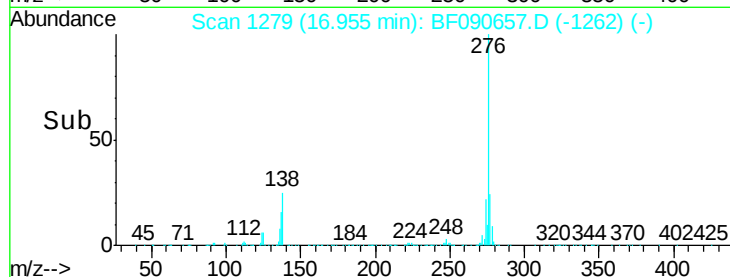
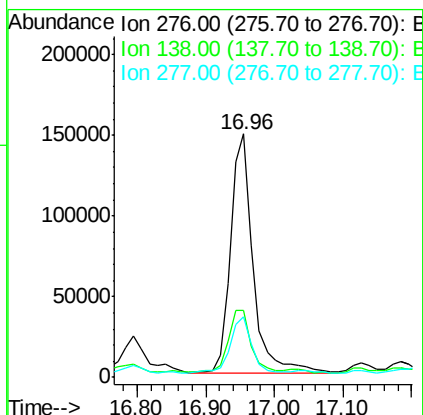
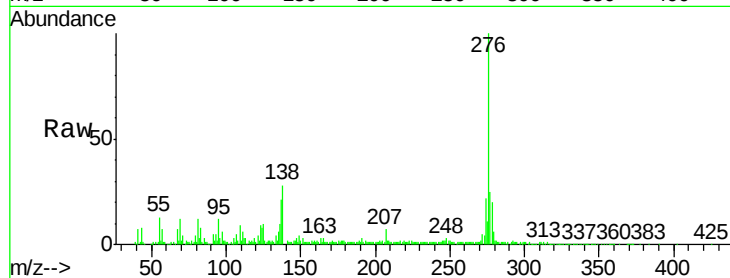




#85
Indeno(1,2,3-cd)pyrene
Concen: 18.91 ng
RT: 16.96 min Scan# 1279
Delta R.T. -0.00 min
Lab File: BF090657.D
Acq: 19 Oct 2016 19:38

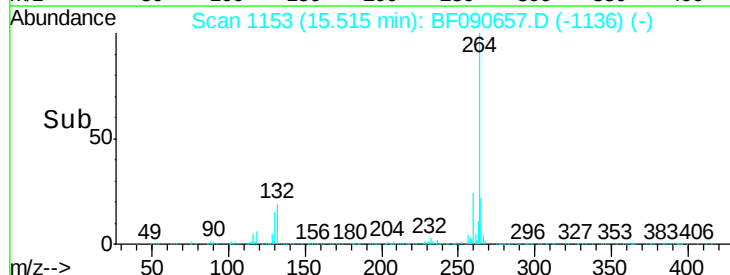
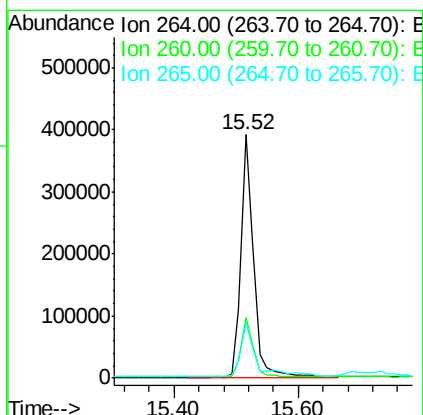
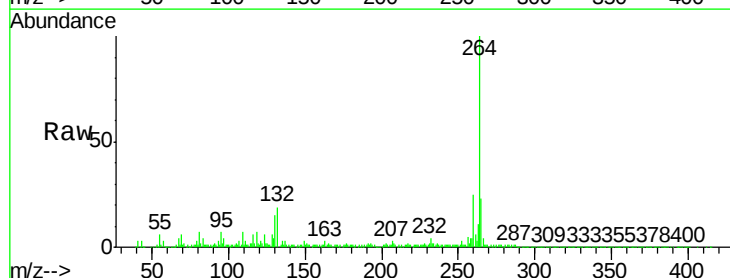
Instrument :
BNA_F
ClientSampleId :
COMP-TP

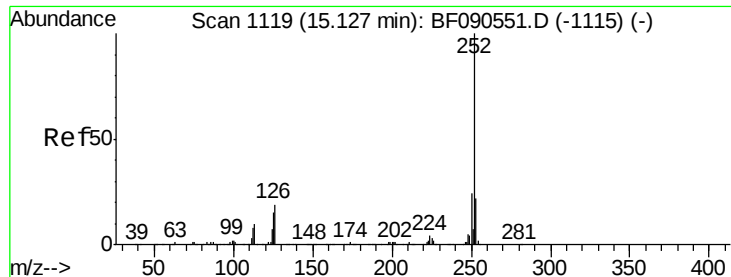
Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.8	25.8	38.6
277	23.0	20.1	30.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BF090657.D
Acq: 19 Oct 2016 19:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.3	28.9
265	22.8	16.7	25.1





#87

Benzo(b)fluoranthene

Concen: 28.63 ng

RT: 15.09 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

Instrument :

BNA_F

ClientSampleId :

COMP-TP

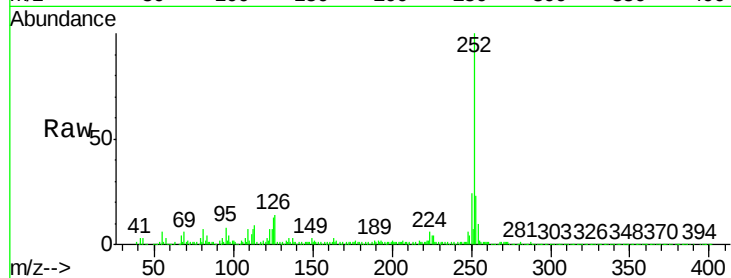
Tgt Ion:252 Resp: 1053527

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

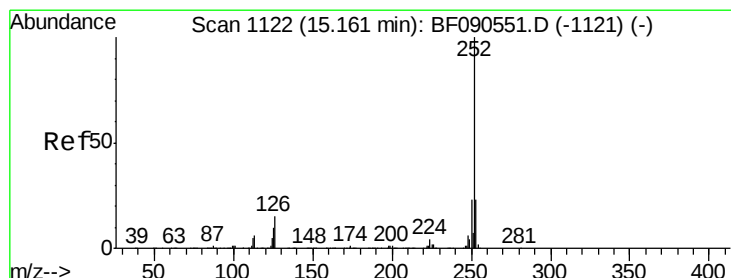
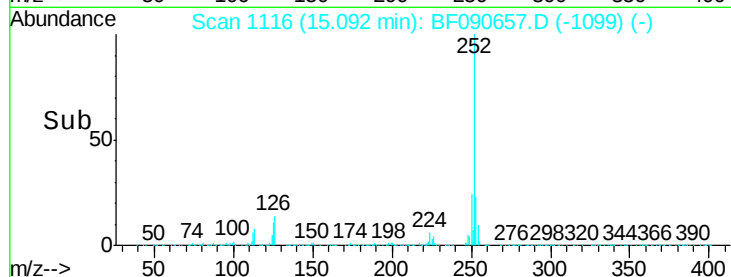
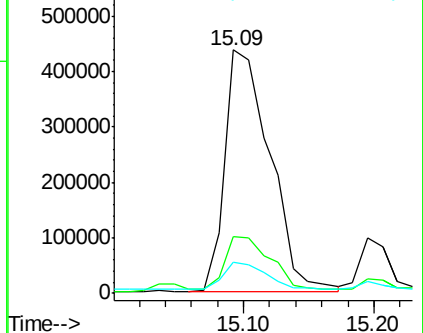
125 12.6 12.0 18.0



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: 26.61 ng

RT: 15.09 min Scan# 1116

Delta R.T. -0.03 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

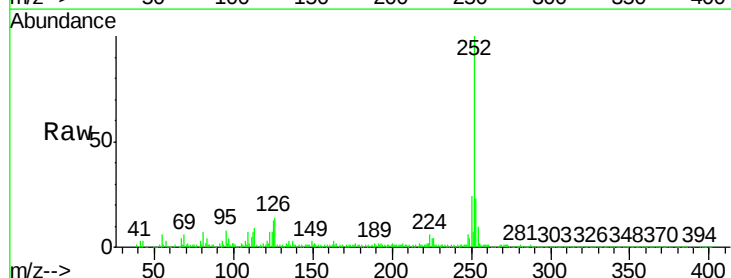
Tgt Ion:252 Resp: 1053527

Ion Ratio Lower Upper

252 100

253 23.4 18.0 27.0

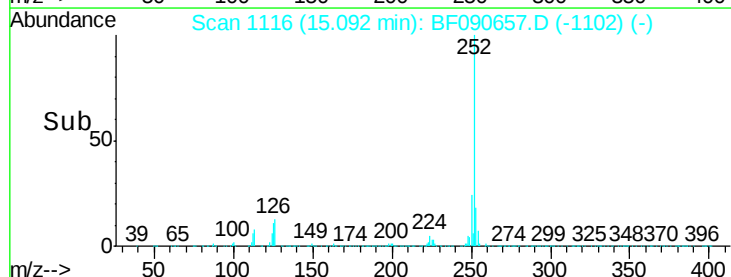
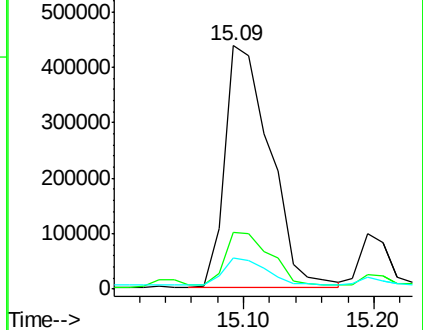
125 12.6 10.0 15.0

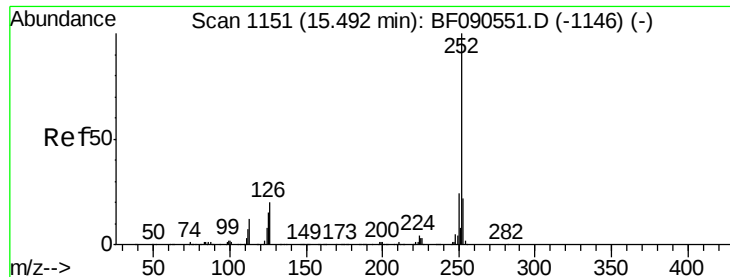


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 11.34 ng

RT: 15.39 min Scan# 1142

Delta R.T. -0.07 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

Instrument :

BNA_F

ClientSampleId :

COMP-TP

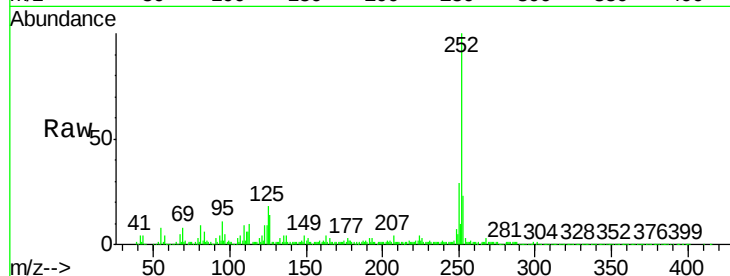
Tgt Ion: 252 Resp: 382116

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

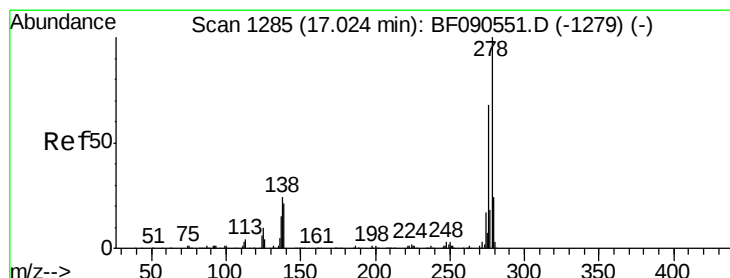
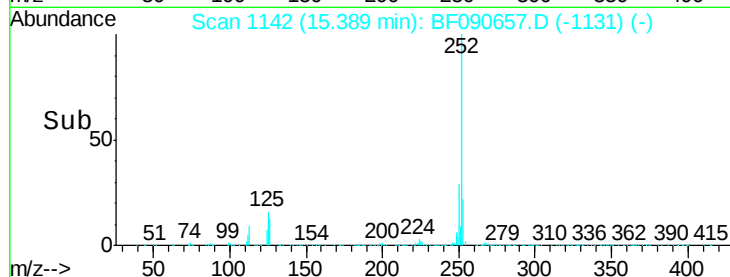
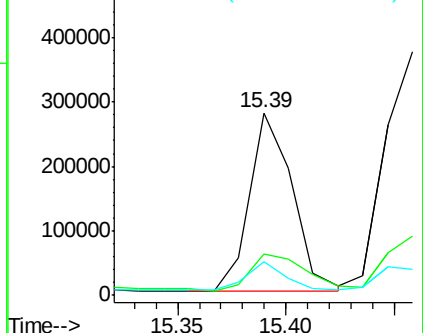
125 18.2 12.3 18.5



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



#90

Dibenzo(a,h)anthracene

Concen: 2.55 ng

RT: 16.96 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

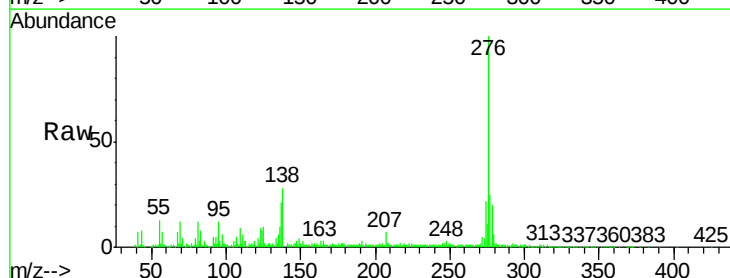
Tgt Ion: 278 Resp: 65602

Ion Ratio Lower Upper

278 100

139 0.0 16.6 25.0#

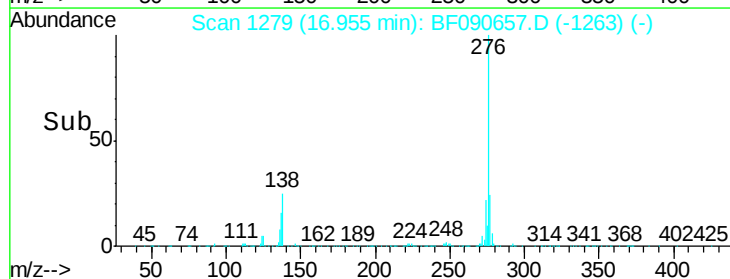
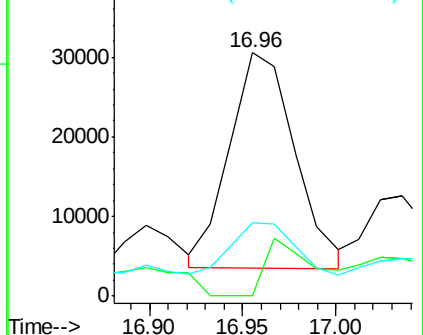
279 30.2 19.1 28.7#

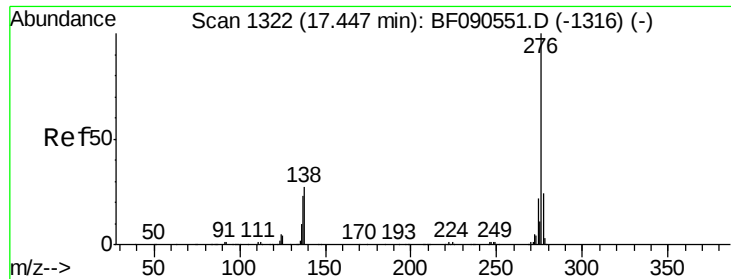


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

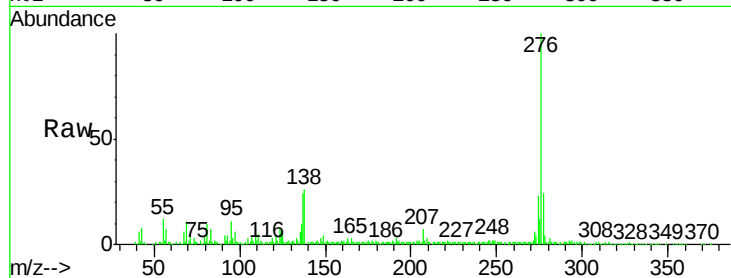




#91
 Benzo(g,h,i)perylene
 Concen: 13.44 ng
 RT: 17.39 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: BF090657.D
 Acq: 19 Oct 2016 19:38

Instrument :
 BNA_F
 ClientSampleId :
 COMP-TP

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.8	28.2
138	26.2	21.8	32.8



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

