

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120716\
 Data File : BF091486.D
 Acq On : 7 Dec 2016 23:02
 Operator : UM/SJ
 Sample : H5869-09 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP19-COMP5

Quant Time: Dec 08 00:28:29 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 13:33:46 2016
 Response via : Initial Calibration

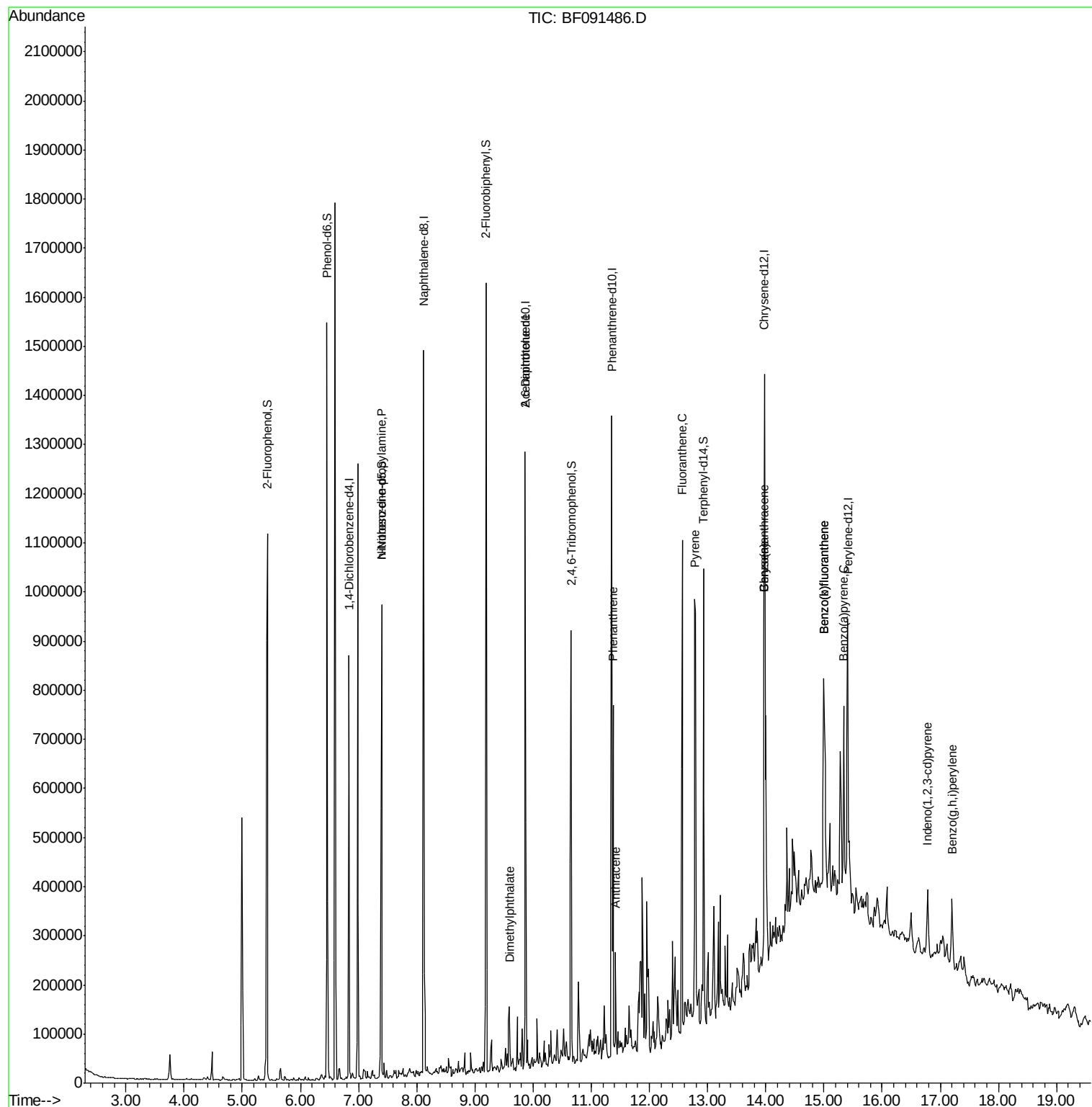
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	164344	20.00	ng	-0.04
21) Naphthalene-d8	8.12	136	588045	20.00	ng	-0.05
38) Acenaphthene-d10	9.86	164	306455	20.00	ng	-0.05
63) Phenanthrene-d10	11.35	188	493282	20.00	ng	-0.05
75) Chrysene-d12	13.98	240	339983	20.00	ng	-0.06
86) Perylene-d12	15.41	264	285534	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	366939	36.47	ng	-0.04
7) Phenol-d6	6.46	99	436711	35.26	ng	-0.04
23) Nitrobenzene-d5	7.40	82	343370	32.72	ng	-0.05
41) 2,4,6-Tribromophenol	10.65	330	112665	38.83	ng	-0.05
44) 2-Fluorobiphenyl	9.19	172	452257	26.72	ng	-0.05
78) Terphenyl-d14	12.93	244	326066	20.85	ng	-0.06
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	46533	5.96	ng	# 67
49) Dimethylphthalate	9.59	163	49492	2.67	ng	98
50) 2,6-Dinitrotoluene	9.86	165	40007	9.65	ng	# 17
70) Phenanthrene	11.37	178	271473	10.59	ng	99
71) Anthracene	11.42	178	80432	3.16	ng	98
74) Fluoranthene	12.56	202	487419	20.08	ng	96
77) Pyrene	12.79	202	558512	21.65	ng	98
80) Benzo(a)anthracene	13.97	228	284311	14.30	ng	93
82) Chrysene	13.97	228	284311	14.45	ng	96
85) Indeno(1,2,3-cd)pyrene	16.78	276	110085	6.11	ng	# 88
87) Benzo(b)fluoranthene	15.00	252	353695	19.93	ng	95
88) Benzo(k)fluoranthene	15.00	252	353695	23.70	ng	# 93
89) Benzo(a)pyrene	15.34	252	209362	13.14	ng	98
91) Benzo(g,h,i)perylene	17.20	276	118778	7.81	ng	# 95

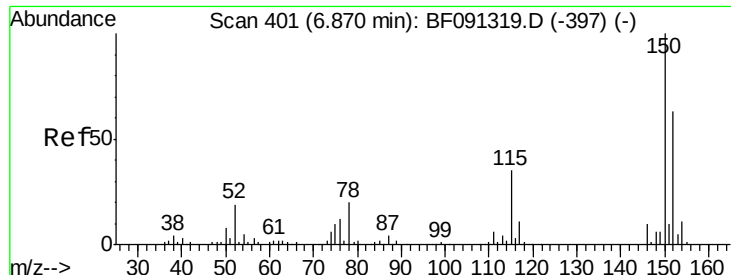
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 398

Delta R.T. -0.04 min

Lab File: BF091486.D

Acq: 7 Dec 2016 23:02

Instrument :

BNA_F

ClientSampleId :

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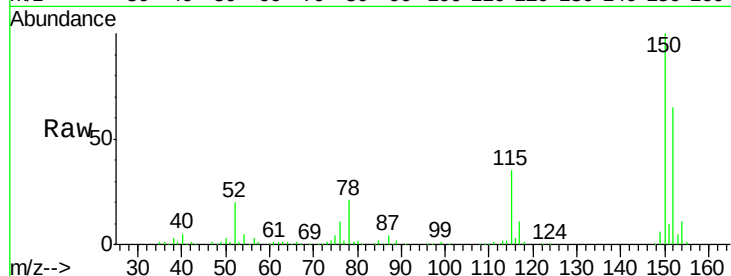
Tgt Ion:152 Resp: 164344

Ion Ratio Lower Upper

152 100

150 154.1 122.5 183.7

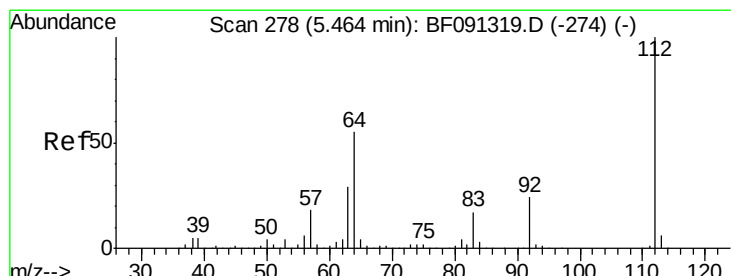
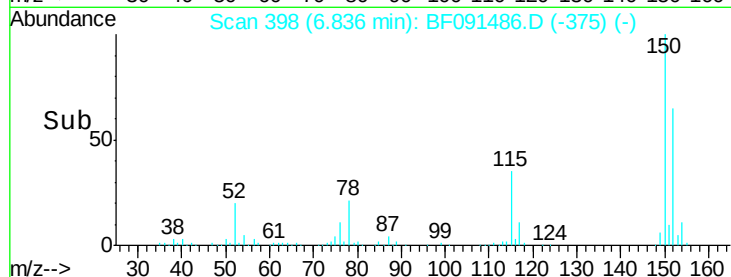
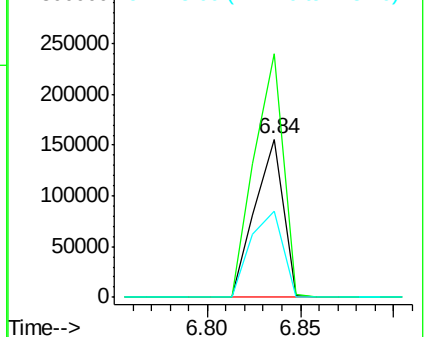
115 54.5 51.8 77.8



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: 36.47 ng

RT: 5.43 min Scan# 275

Delta R.T. -0.04 min

Lab File: BF091486.D

Acq: 7 Dec 2016 23:02

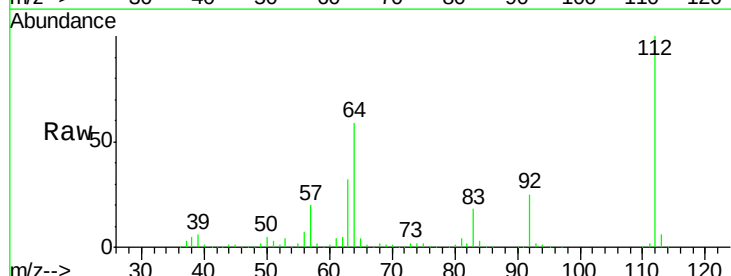
Tgt Ion:112 Resp: 366939

Ion Ratio Lower Upper

112 100

64 59.5 61.5 92.3#

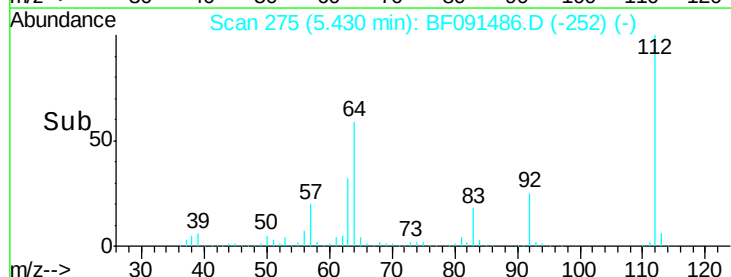
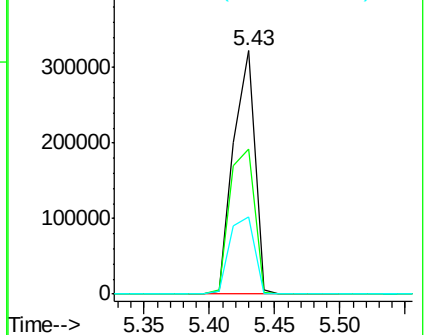
63 31.8 33.3 49.9#

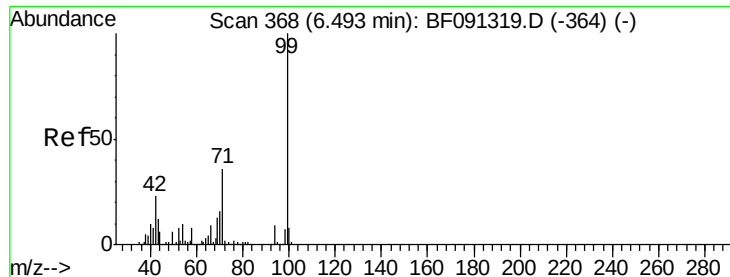


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 35.26 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.04 min

Lab File: BF091486.D

Acq: 7 Dec 2016 23:02

Instrument :

BNA_F

ClientSampleId :

TP19-COMP5

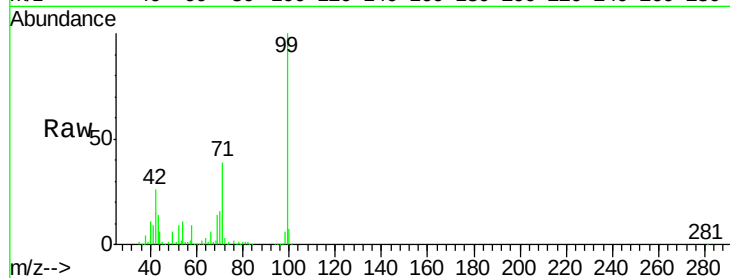
Tgt Ion: 99 Resp: 436711

Ion Ratio Lower Upper

99 100

42 26.0 20.6 31.0

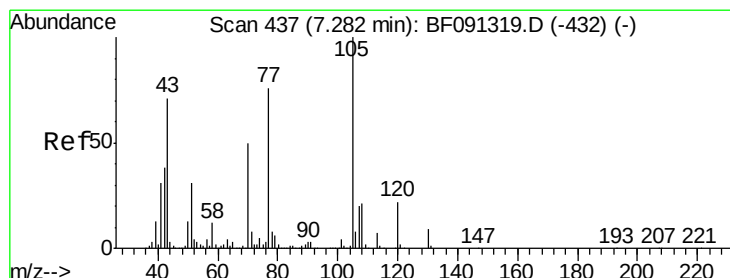
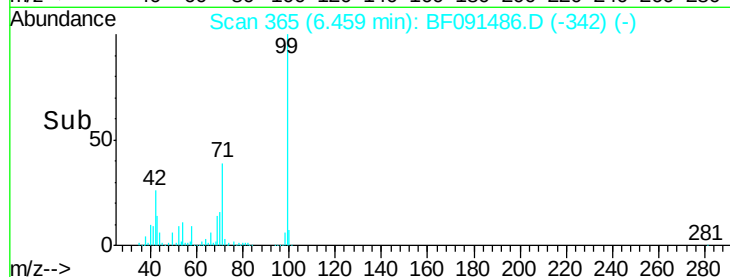
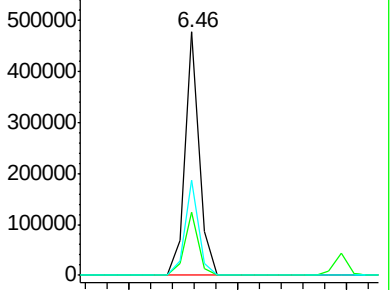
71 39.0 29.9 44.9



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 5.96 ng

RT: 7.40 min Scan# 447

Delta R.T. 0.10 min

Lab File: BF091486.D

Acq: 7 Dec 2016 23:02

Tgt Ion: 70 Resp: 46533

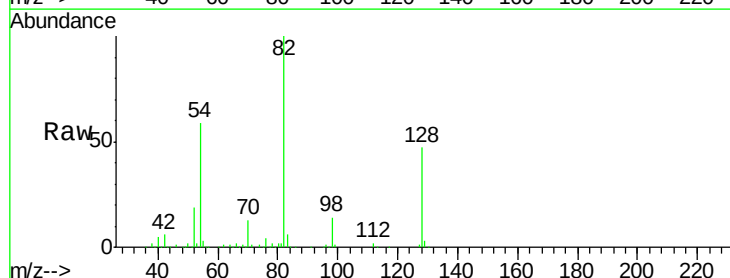
Ion Ratio Lower Upper

70 100

42 50.1 64.8 97.2#

101 0.0 6.2 9.4#

130 2.5 11.7 17.5#

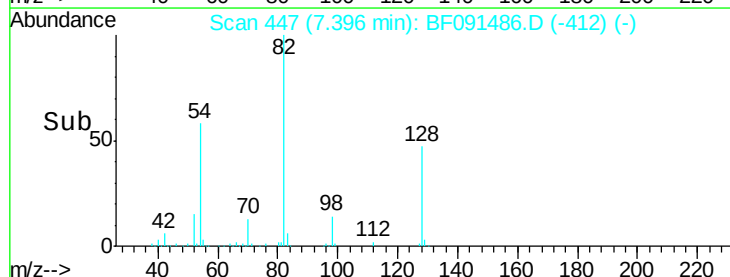
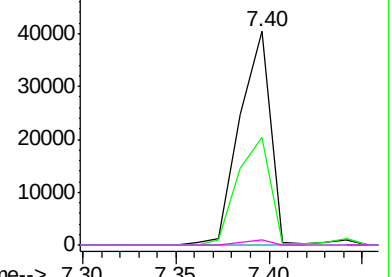


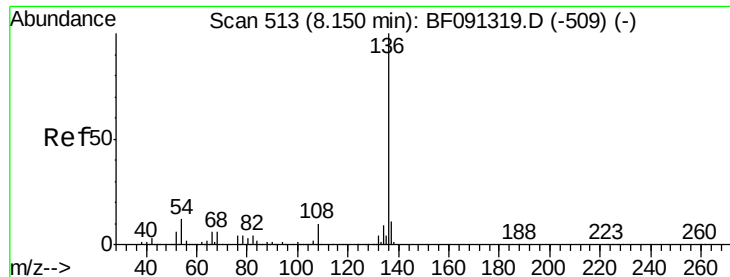
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

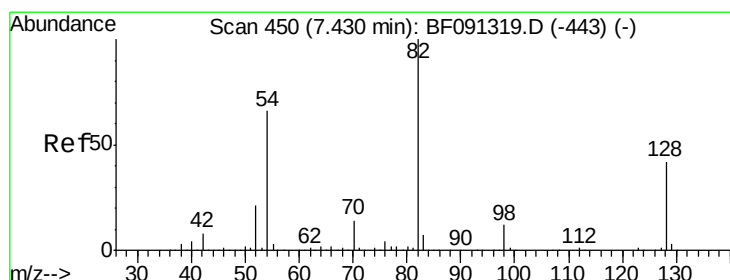
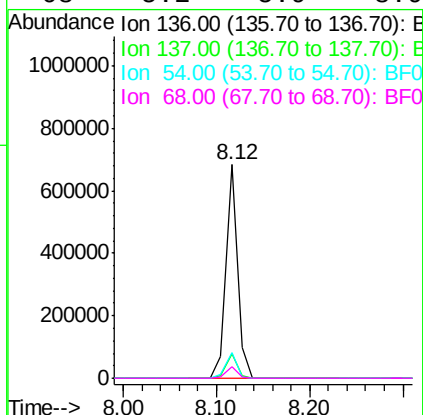
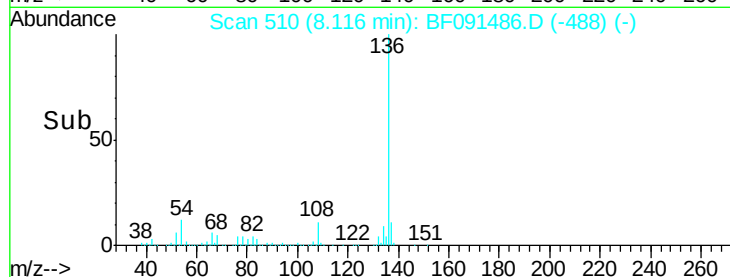
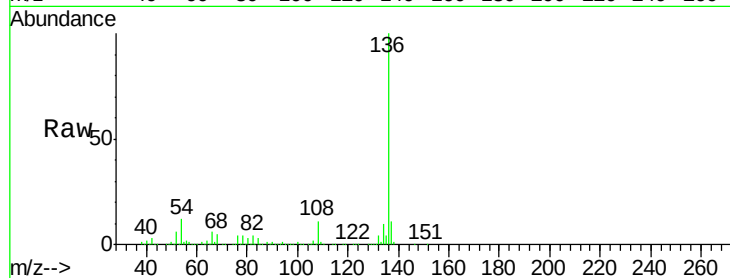




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 510
Delta R.T. -0.05 min
Lab File: BF091486.D
Acq: 7 Dec 2016 23:02

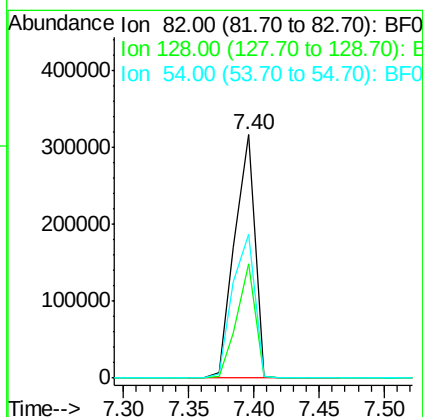
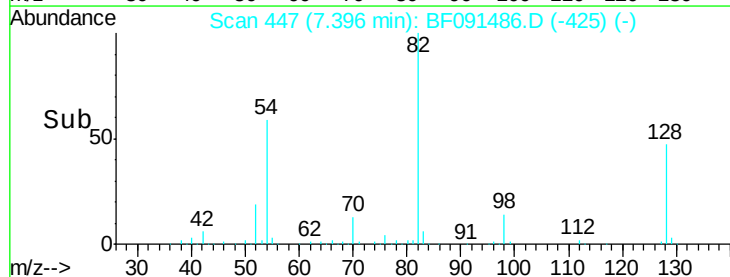
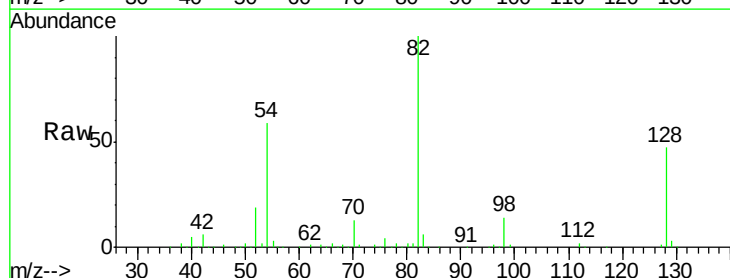
Instrument :
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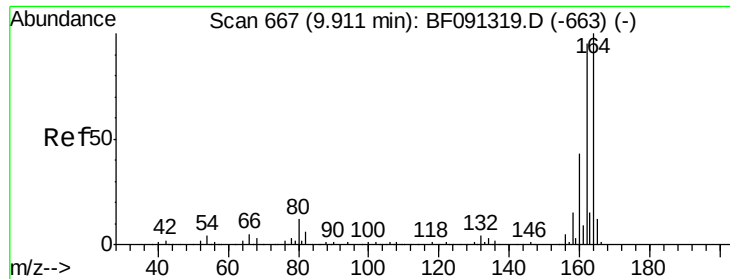
Tgt Ion:	136	Resp:	588045
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	12.2	9.1	13.7
68	5.2	5.9	8.9#



#23
Nitrobenzene-d5
Concen: 32.72 ng
RT: 7.40 min Scan# 447
Delta R.T. -0.05 min
Lab File: BF091486.D
Acq: 7 Dec 2016 23:02

Tgt Ion:	82	Resp:	343370
Ion	Ratio	Lower	Upper
82	100		
128	46.9	31.8	47.6
54	59.0	49.1	73.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.05 min

Lab File: BF091486.D

Acq: 7 Dec 2016 23:02

Instrument :

BNA_F

ClientSampleId :

TP19-COMP5

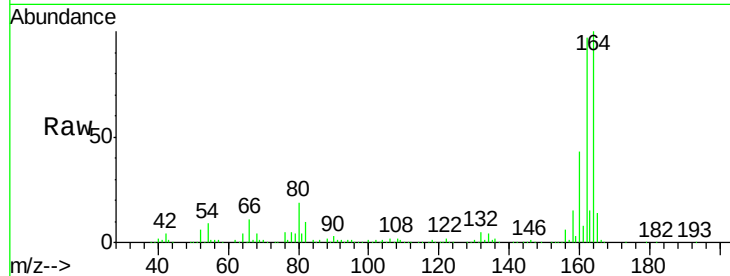
Tgt Ion:164 Resp: 306455

Ion Ratio Lower Upper

164 100

162 96.6 82.6 124.0

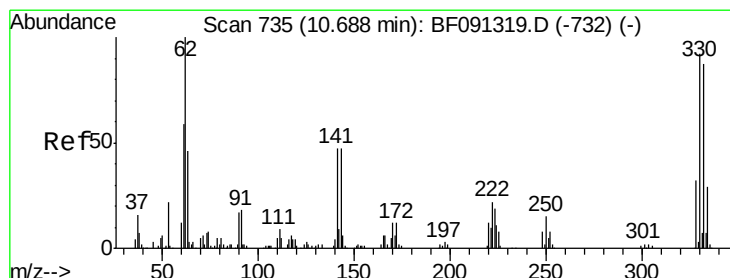
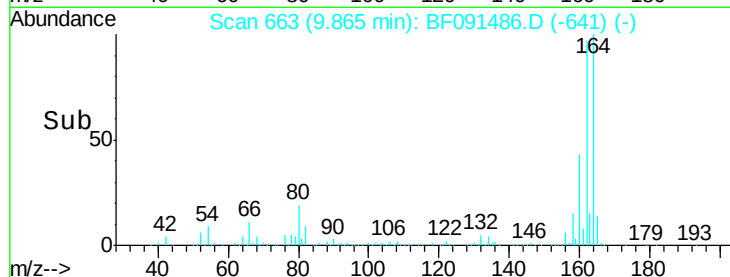
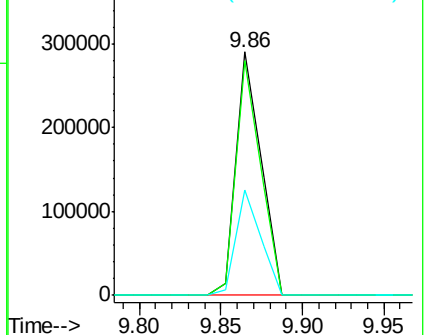
160 43.5 36.7 55.1



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: 38.83 ng

RT: 10.65 min Scan# 732

Delta R.T. -0.05 min

Lab File: BF091486.D

Acq: 7 Dec 2016 23:02

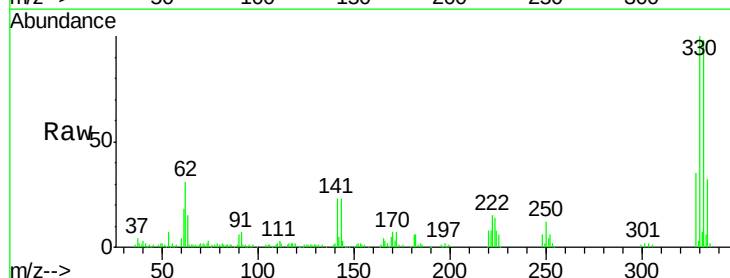
Tgt Ion:330 Resp: 112665

Ion Ratio Lower Upper

330 100

332 98.6 76.2 114.4

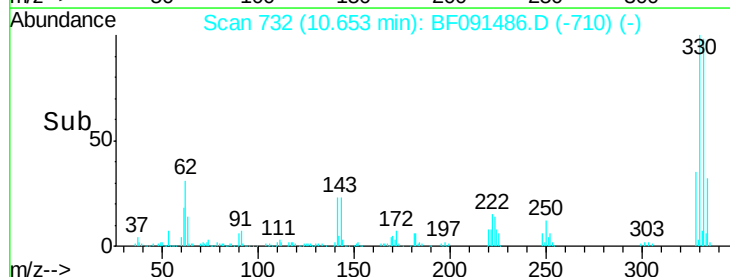
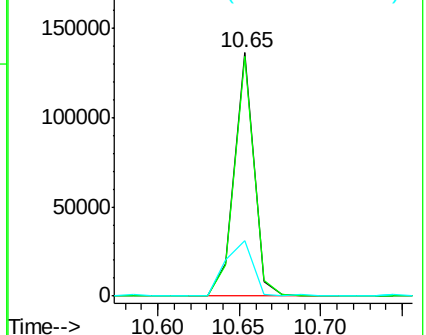
141 33.2 33.6 50.4#

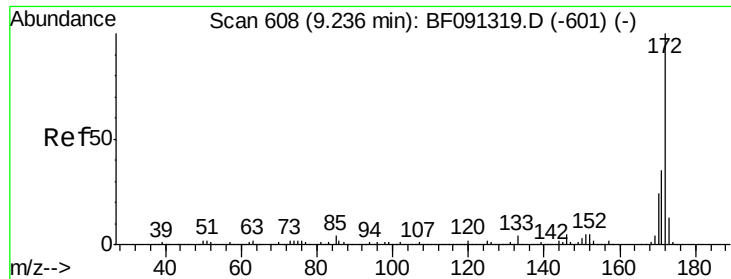


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

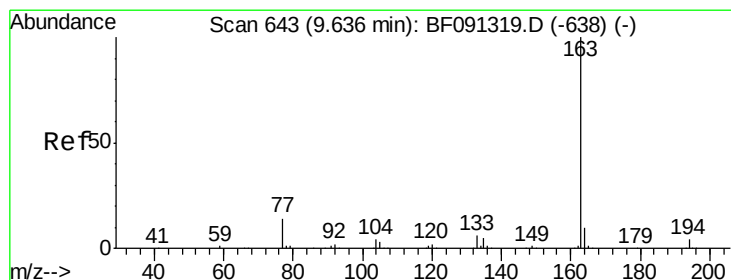
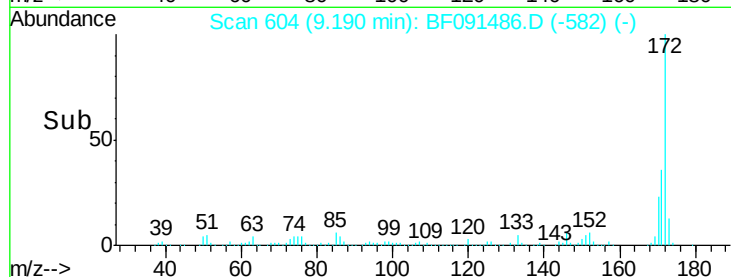
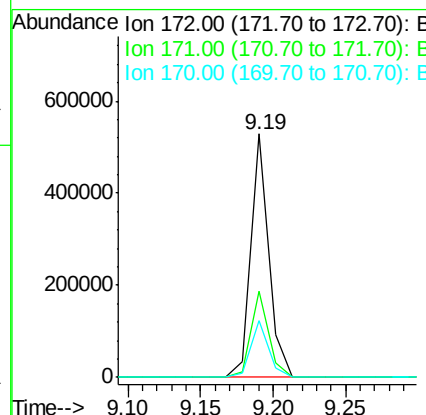
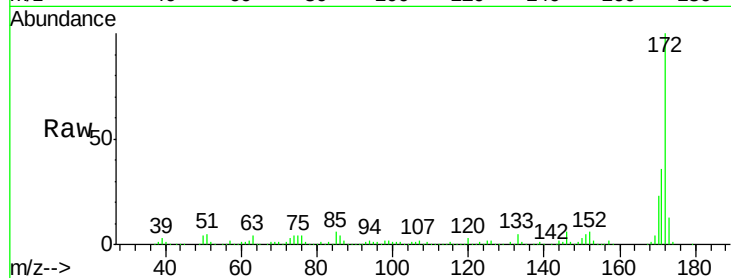




#44
2-Fluorobiphenyl
Concen: 26.72 ng
RT: 9.19 min Scan# 604
Delta R.T. -0.05 min
Lab File: BF091486.D
Acq: 7 Dec 2016 23:02

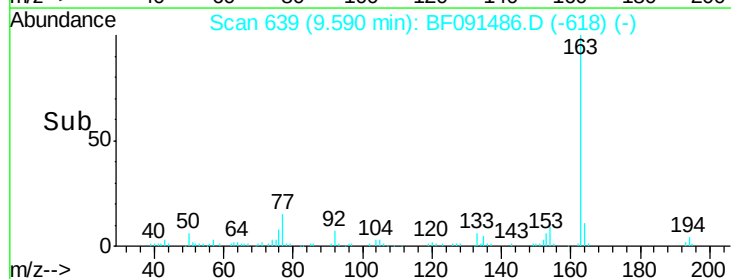
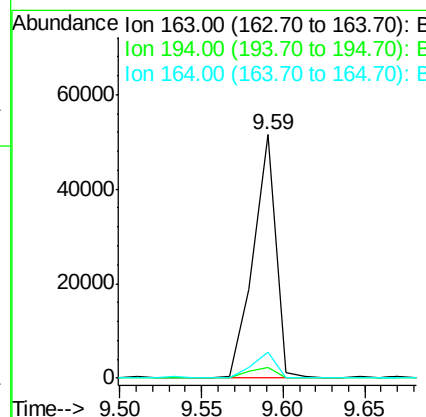
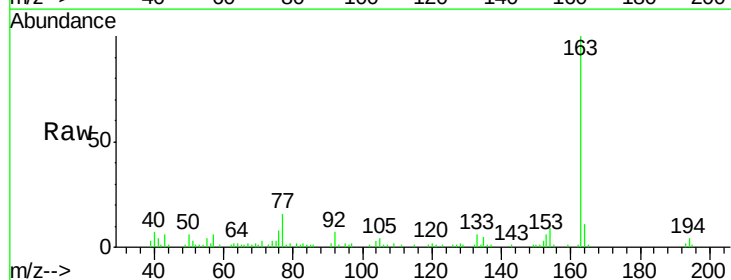
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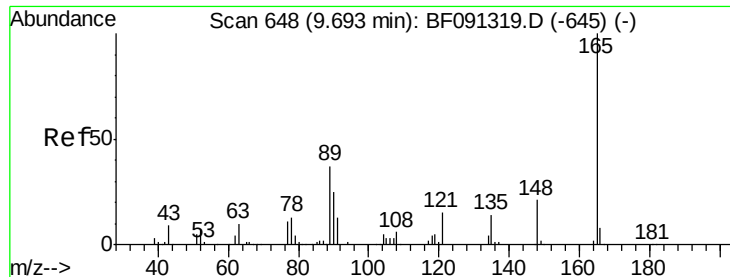
Tgt Ion:172 Resp: 452257
Ion Ratio Lower Upper
172 100
171 35.5 29.4 44.0
170 23.3 19.7 29.5



#49
Dimethylphthalate
Concen: 2.67 ng
RT: 9.59 min Scan# 639
Delta R.T. -0.06 min
Lab File: BF091486.D
Acq: 7 Dec 2016 23:02

Tgt Ion:163 Resp: 49492
Ion Ratio Lower Upper
163 100
194 4.2 3.0 4.4
164 10.6 7.8 11.8

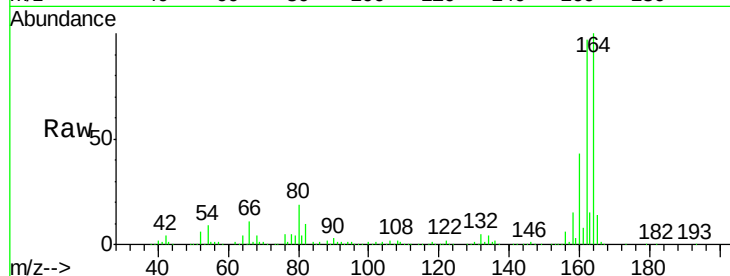




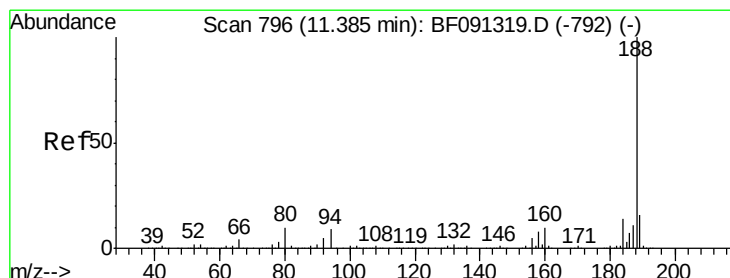
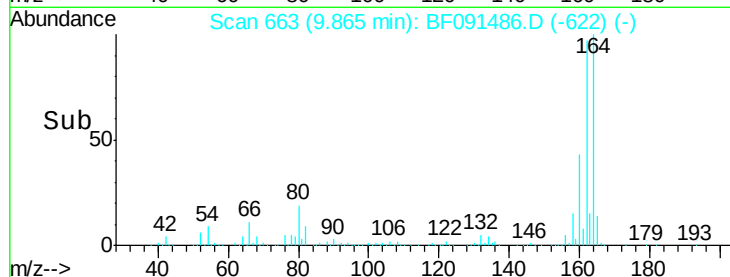
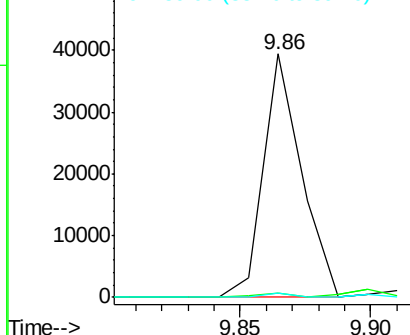
#50
2,6-Dinitrotoluene
Concen: 9.65 ng
RT: 9.86 min Scan# 663
Delta R.T. 0.17 min
Lab File: BF091486.D
Acq: 7 Dec 2016 23:02

Instrument :
BNA_F
ClientSampleId :
TP19-COMP5

Tgt Ion:165 Resp: 40007
Ion Ratio Lower Upper
165 100
63 1.7 59.4 89.0#
89 1.7 50.8 76.2#

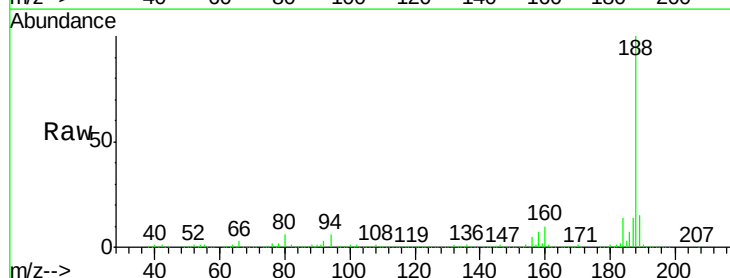


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

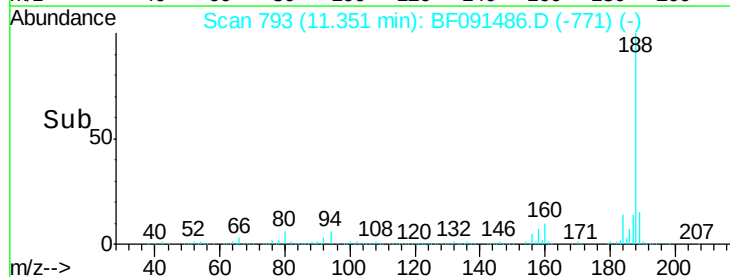
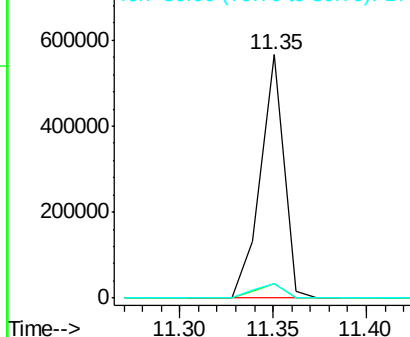


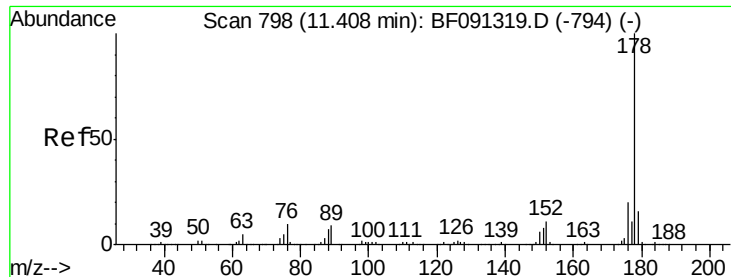
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 793
Delta R.T. -0.05 min
Lab File: BF091486.D
Acq: 7 Dec 2016 23:02

Tgt Ion:188 Resp: 493282
Ion Ratio Lower Upper
188 100
94 5.9 9.2 13.8#
80 6.1 10.5 15.7#



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: 10.59 ng

RT: 11.37 min Scan# 795

Delta R.T. -0.05 min

Lab File: BF091486.D

Acq: 7 Dec 2016 23:02

Instrument :

BNA_F

ClientSampleId :

TP19-COMP5

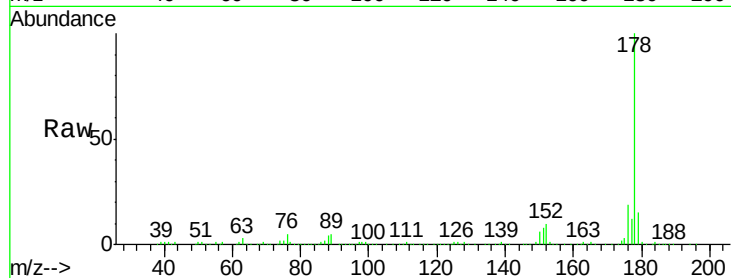
Tgt Ion:178 Resp: 271473

Ion Ratio Lower Upper

178 100

176 19.2 15.9 23.9

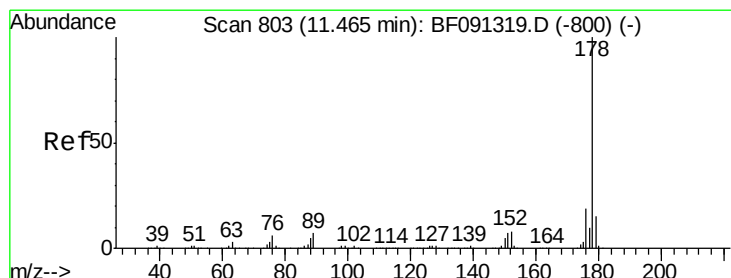
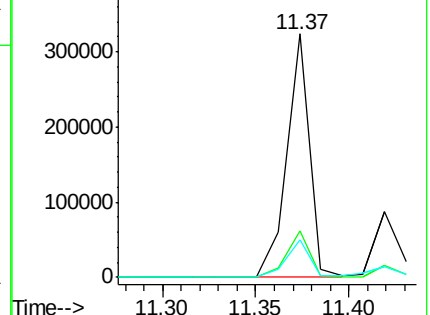
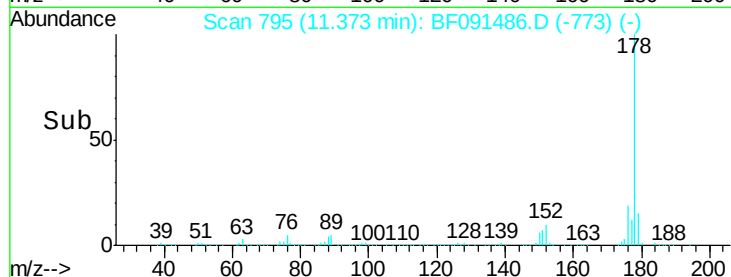
179 15.3 12.6 18.8



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: 3.16 ng

RT: 11.42 min Scan# 799

Delta R.T. -0.06 min

Lab File: BF091486.D

Acq: 7 Dec 2016 23:02

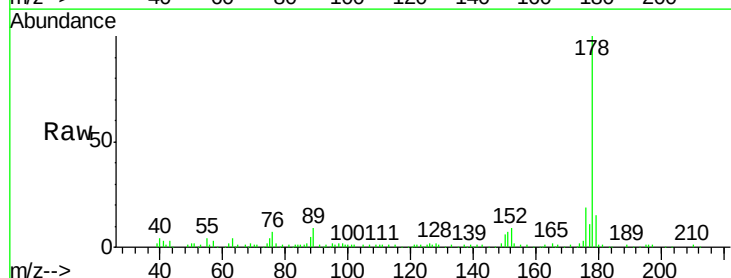
Tgt Ion:178 Resp: 80432

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.6

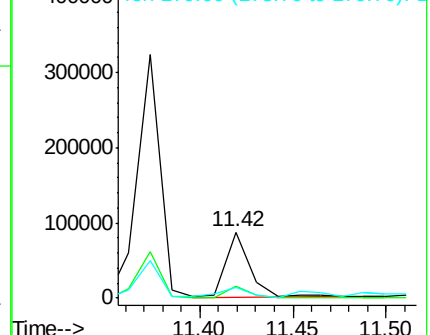
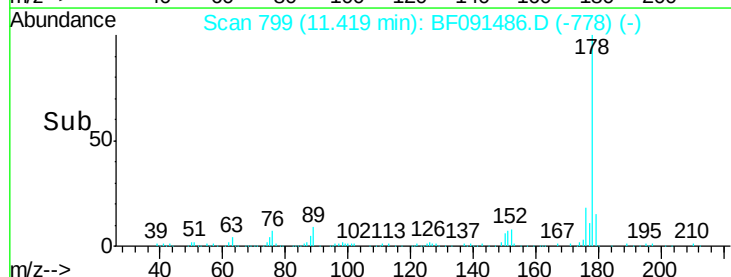
179 15.4 12.7 19.1

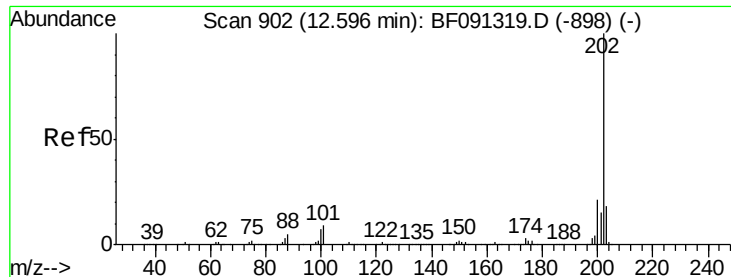


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 20.08 ng

RT: 12.56 min Scan# 899

Delta R.T. -0.05 min

Lab File: BF091486.D

Acq: 7 Dec 2016 23:02

Instrument :

BNA_F

ClientSampleId :

TP19-COMP5

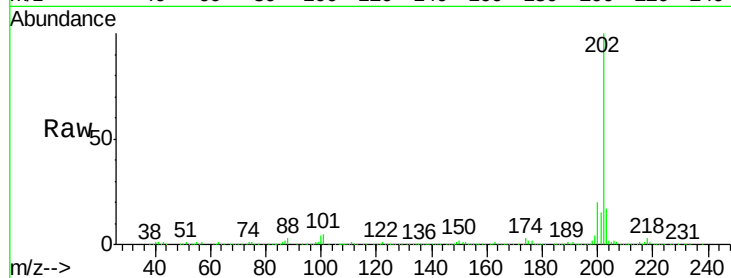
Tgt Ion:202 Resp: 487419

Ion Ratio Lower Upper

202 100

101 5.4 0.0 29.5

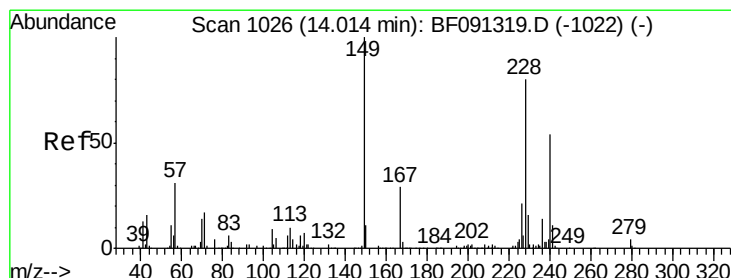
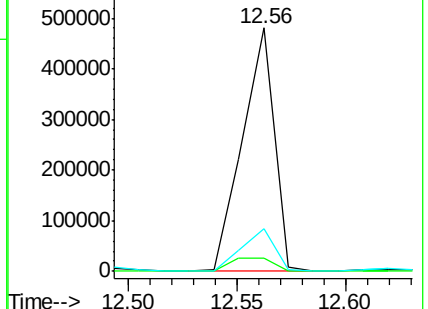
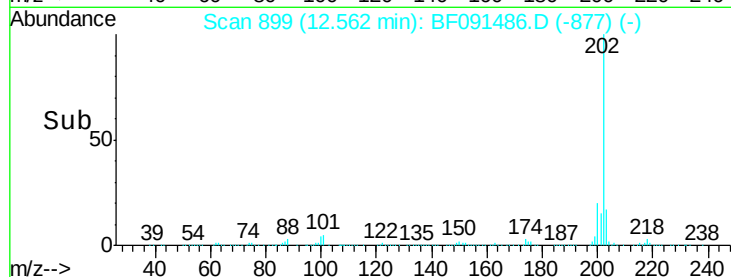
203 17.4 0.0 37.8



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: 13.98 min Scan# 1023

Delta R.T. -0.06 min

Lab File: BF091486.D

Acq: 7 Dec 2016 23:02

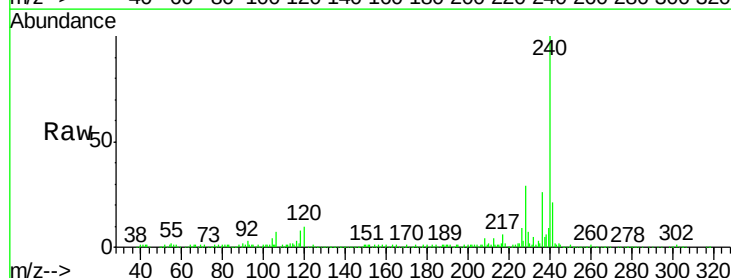
Tgt Ion:240 Resp: 339983

Ion Ratio Lower Upper

240 100

120 9.5 12.1 18.1#

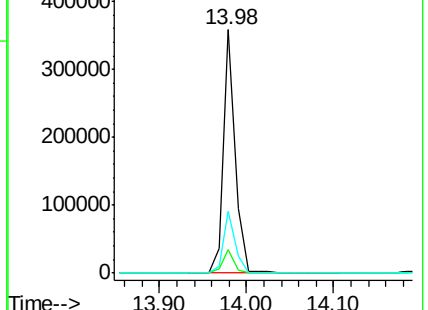
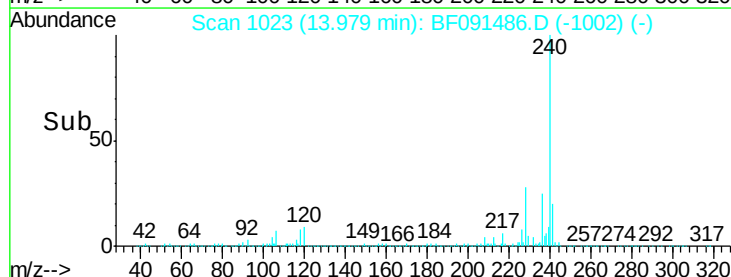
236 25.6 21.0 31.6

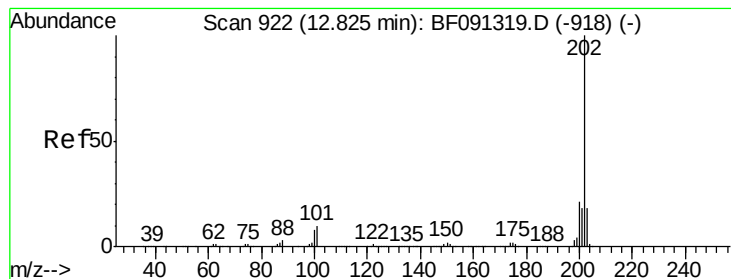


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 21.65 ng

RT: 12.79 min Scan# 919

Delta R.T. -0.05 min

Lab File: BF091486.D

Acq: 7 Dec 2016 23:02

Instrument :

BNA_F

ClientSampleId :

TP19-COMP5

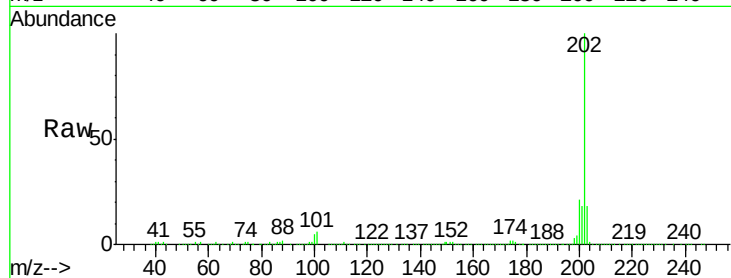
Tgt Ion:202 Resp: 558512

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

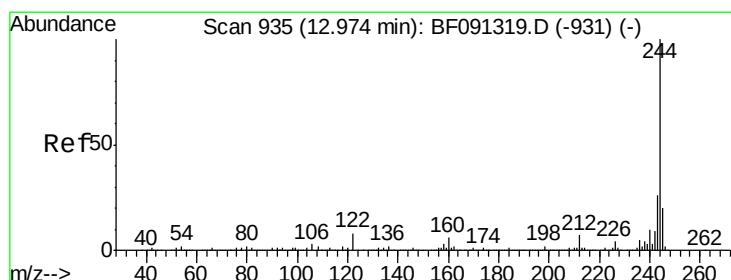
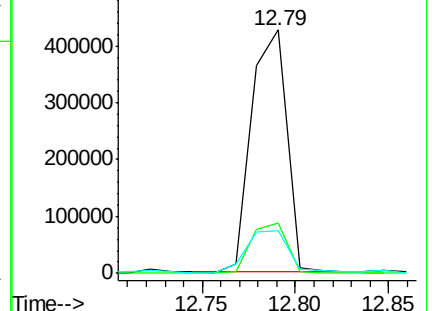
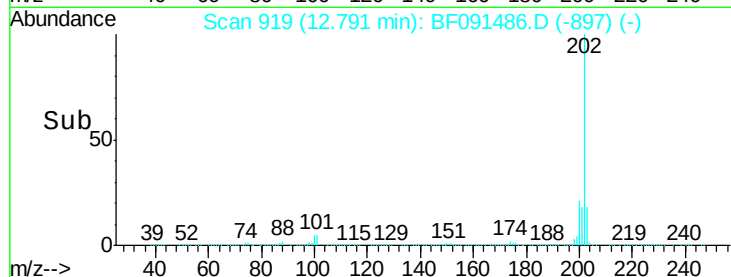
203 17.7 14.0 21.0



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: 20.85 ng

RT: 12.93 min Scan# 931

Delta R.T. -0.06 min

Lab File: BF091486.D

Acq: 7 Dec 2016 23:02

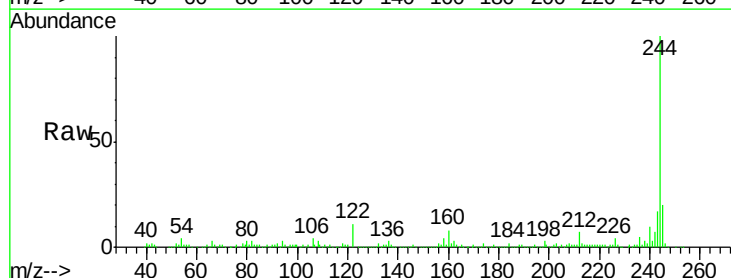
Tgt Ion:244 Resp: 326066

Ion Ratio Lower Upper

244 100

212 7.4 6.5 9.7

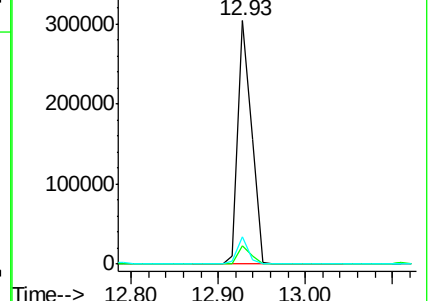
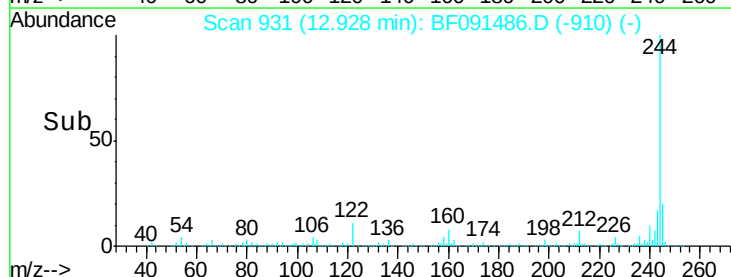
122 11.3 9.5 14.3

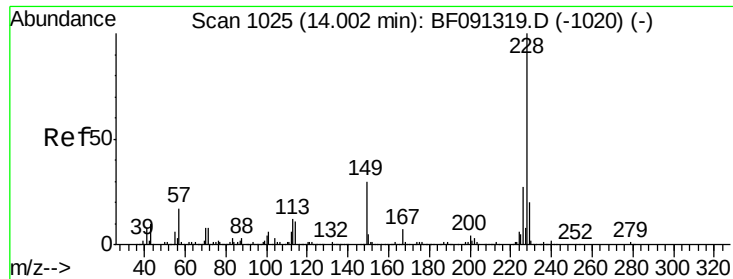


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 14.30 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.05 min

Lab File: BF091486.D

Acq: 7 Dec 2016 23:02

Instrument :

BNA_F

ClientSampleId :

TP19-COMP5

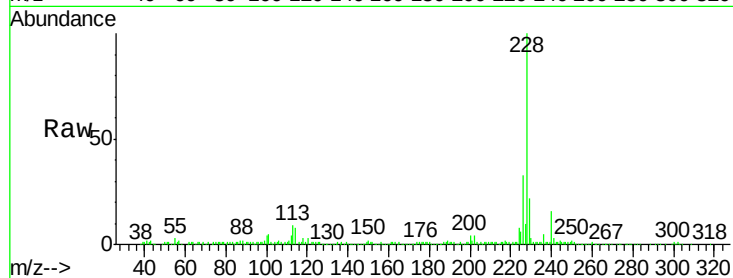
Tgt Ion:228 Resp: 284311

Ion Ratio Lower Upper

228 100

226 33.1 22.5 33.7

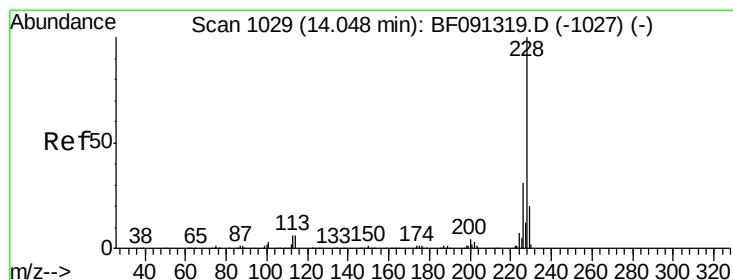
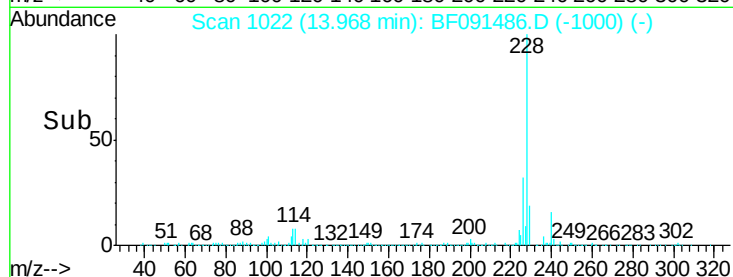
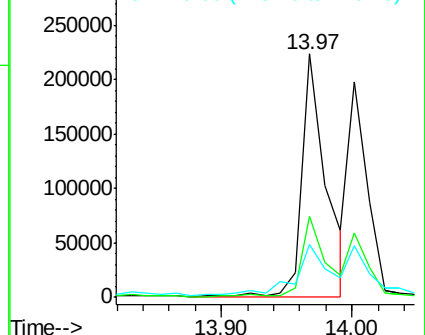
229 21.7 16.4 24.6



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: 14.45 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.10 min

Lab File: BF091486.D

Acq: 7 Dec 2016 23:02

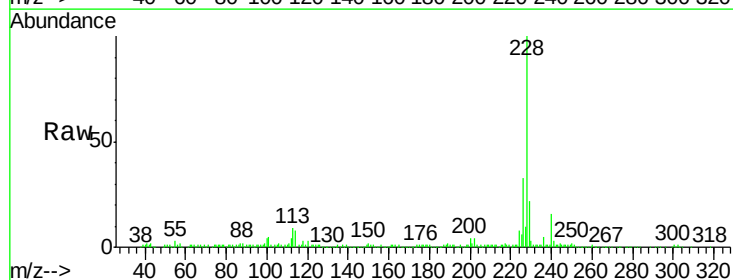
Tgt Ion:228 Resp: 284311

Ion Ratio Lower Upper

228 100

226 33.1 25.0 37.4

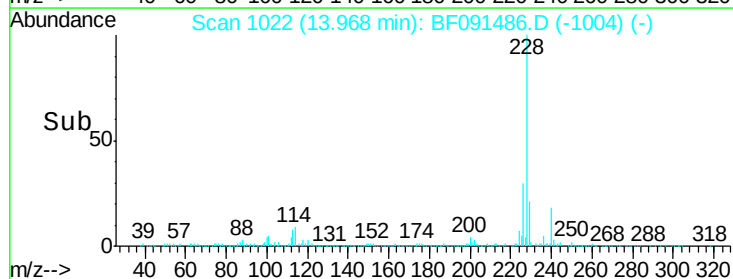
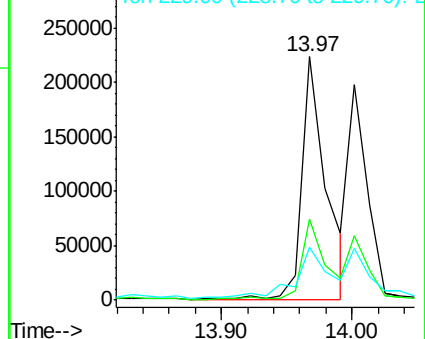
229 21.7 16.0 24.0

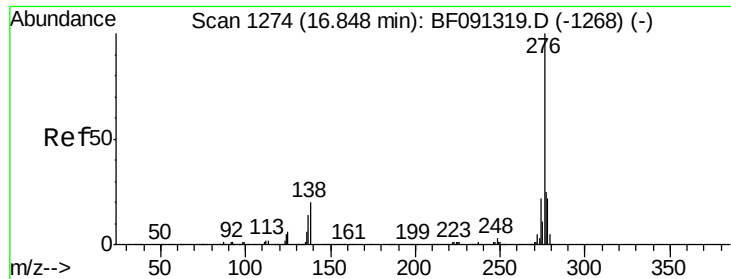


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

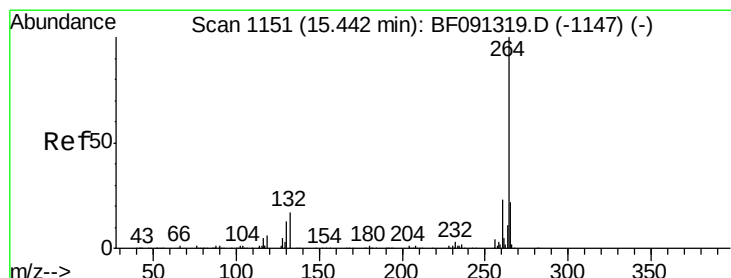
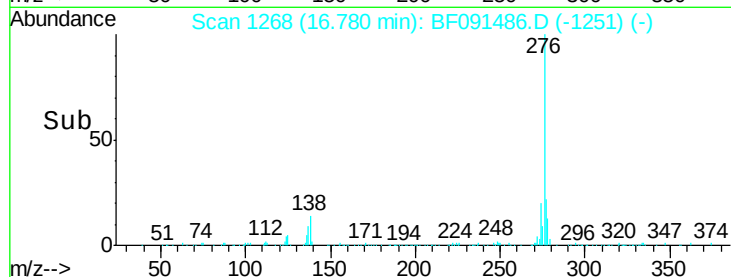
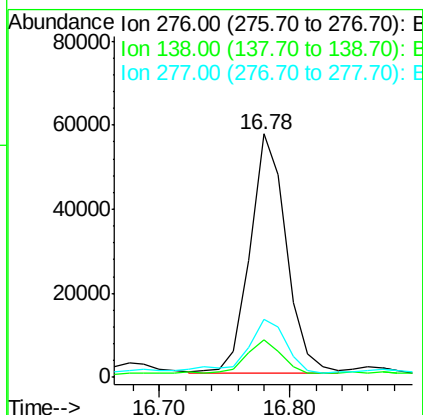
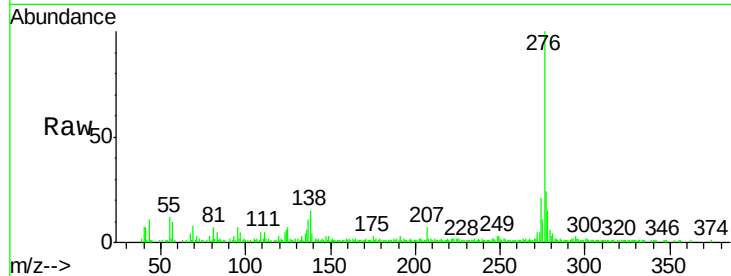




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.11 ng
 RT: 16.78 min Scan# 1268
 Delta R.T. -0.11 min
 Lab File: BF091486.D
 Acq: 7 Dec 2016 23:02

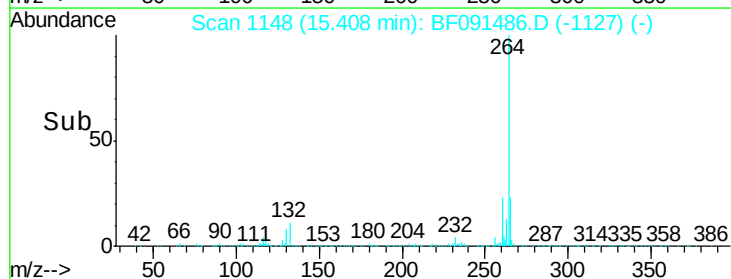
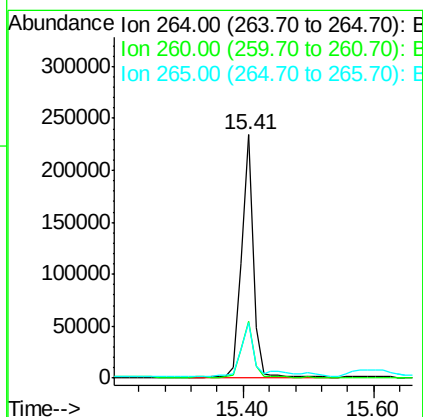
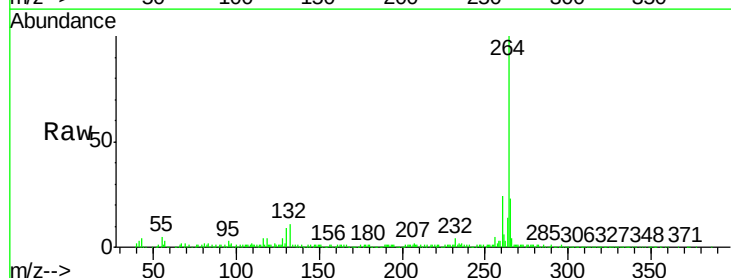
Instrument :
 BNA_F
 ClientSampleId :
 TP19-COMP5

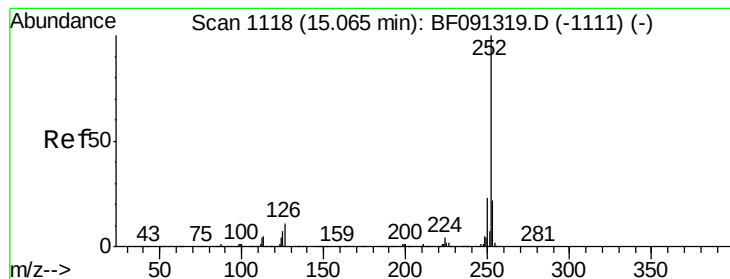
Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.8	21.0	31.4#
277	23.7	20.2	30.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1148
 Delta R.T. -0.06 min
 Lab File: BF091486.D
 Acq: 7 Dec 2016 23:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	23.0	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 19.93 ng

RT: 15.00 min Scan# 1112

Delta R.T. -0.06 min

Lab File: BF091486.D

Acq: 7 Dec 2016 23:02

Instrument :

BNA_F

ClientSampleId :

TP19-COMP5

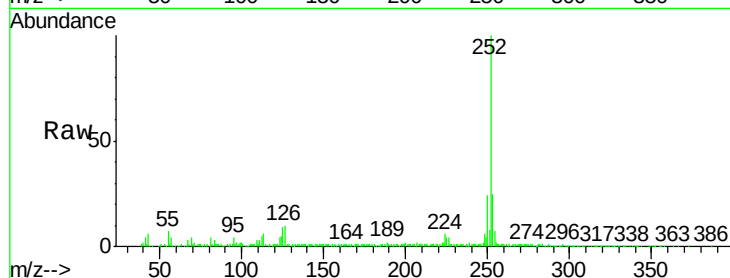
Tgt Ion:252 Resp: 353695

Ion Ratio Lower Upper

252 100

253 25.3 18.2 27.2

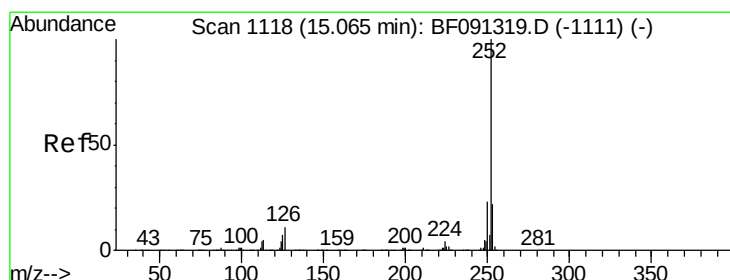
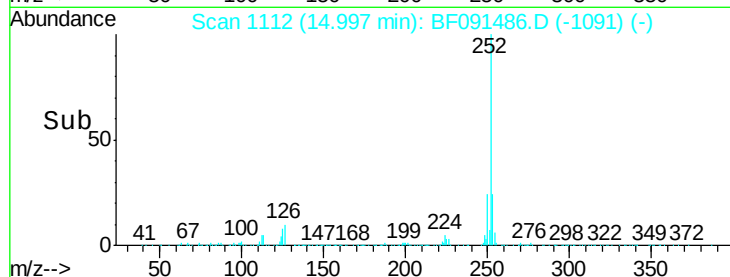
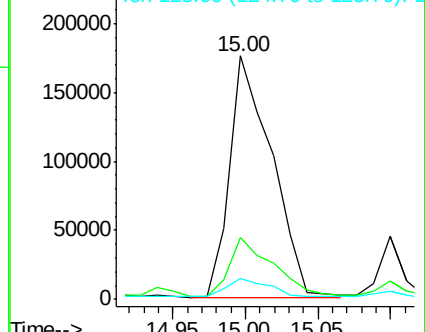
125 8.8 8.6 13.0



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: 23.70 ng

RT: 15.00 min Scan# 1112

Delta R.T. -0.09 min

Lab File: BF091486.D

Acq: 7 Dec 2016 23:02

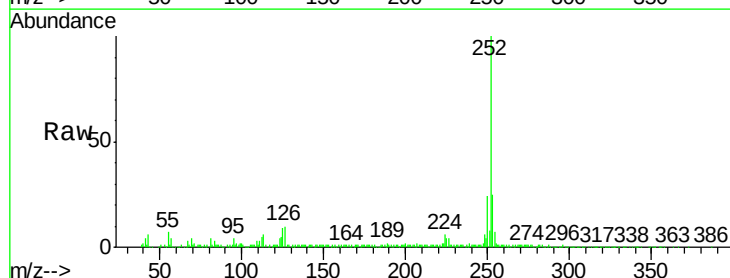
Tgt Ion:252 Resp: 353695

Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.8

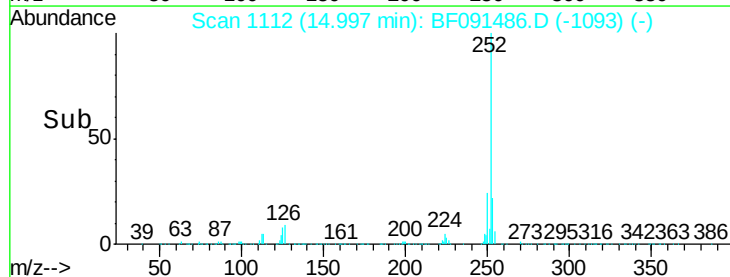
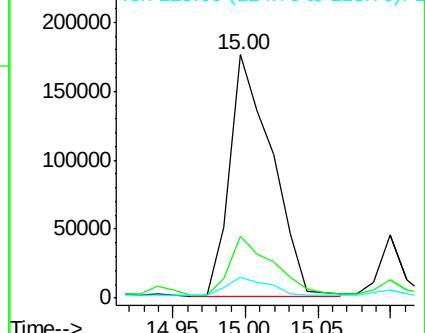
125 8.8 9.6 14.4#

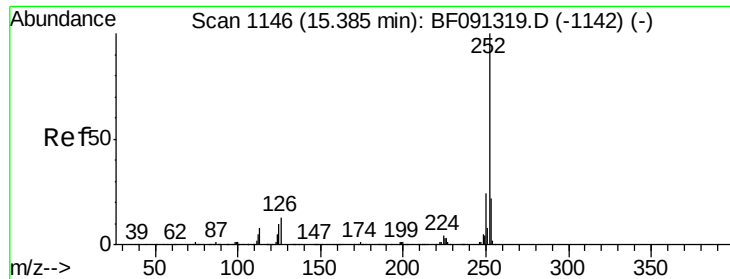


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

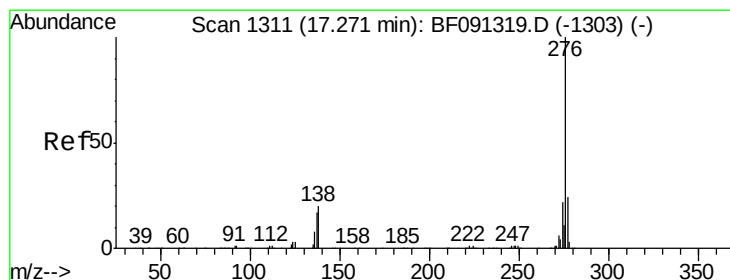
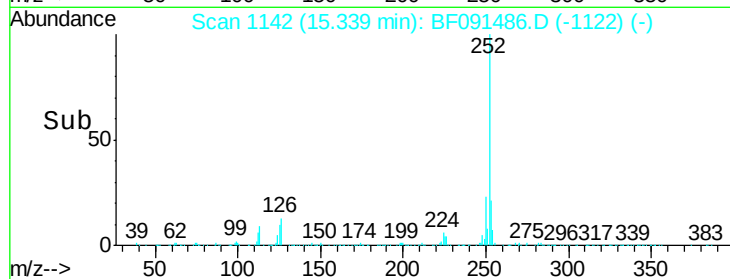
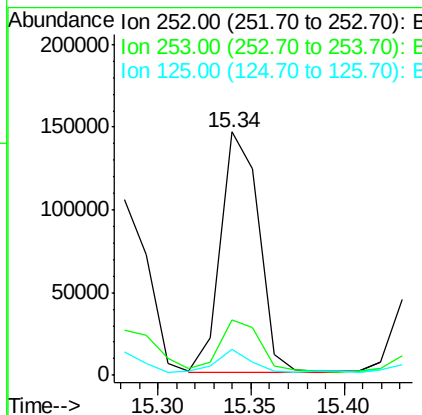
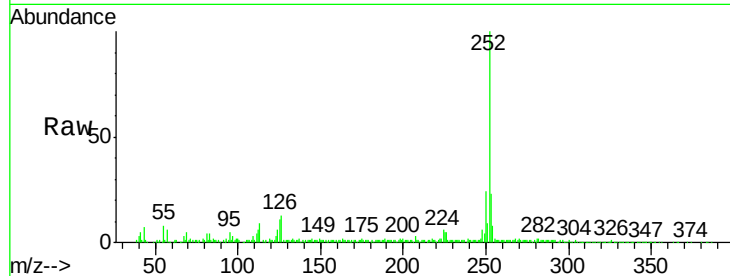




#89
Benzo(a)pyrene
Concen: 13.14 ng
RT: 15.34 min Scan# 1142
Delta R.T. -0.07 min
Lab File: BF091486.D
Acq: 7 Dec 2016 23:02

Instrument :
BNA_F
ClientSampleId :
TP19-COMP5

Tgt Ion:	252	Resp:	209362
Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.4
125	10.9	10.4	15.6



#91
Benzo(g,h,i)perylene
Concen: 7.81 ng
RT: 17.20 min Scan# 1305
Delta R.T. -0.11 min
Lab File: BF091486.D
Acq: 7 Dec 2016 23:02

Tgt Ion:	276	Resp:	118778
Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.4
138	14.8	15.4	23.0

