

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\
 Data File : BF086445.D
 Acq On : 28 Apr 2016 1:24
 Operator : UM/SJ
 Sample : H2702-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B1B

Quant Time: Apr 28 02:16:21 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	130565	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	465460	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	179311	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	279483	20.00	ng	0.00
75) Chrysene-d12	13.96	240	301864	20.00	ng	0.00
86) Perylene-d12	15.37	264	215532	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1150963	152.05	ng	0.01
7) Phenol-d6	6.45	99	1615897	152.95	ng	0.01
23) Nitrobenzene-d5	7.38	82	926594	107.30	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	238333	126.04	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1291464	144.35	ng	0.00
78) Terphenyl-d14	12.91	244	851011	62.11	ng	0.00

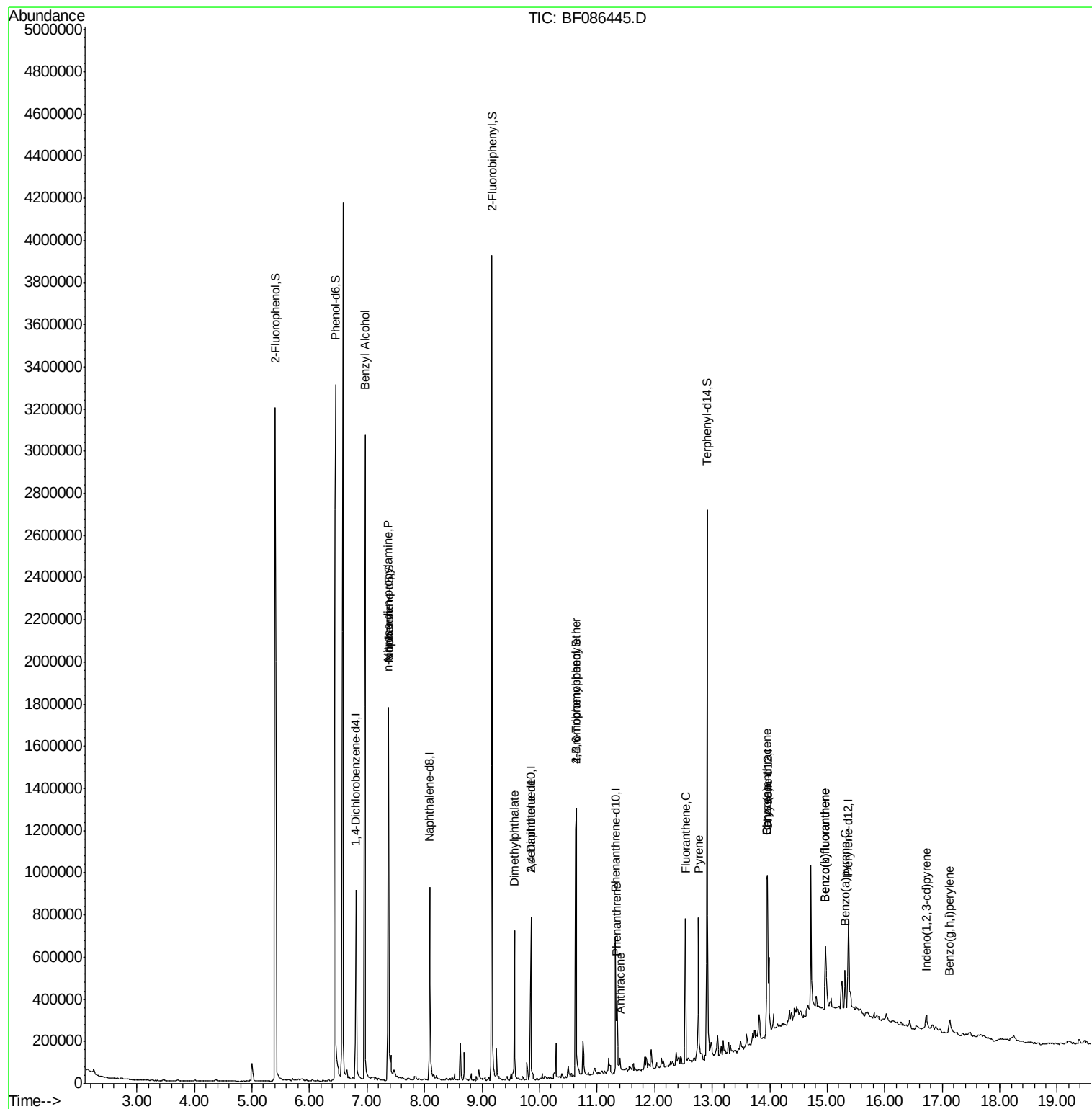
Target Compounds						Qvalue
15) Benzyl Alcohol	6.97	79	17420	2.61	ng	# 37
19) n-Nitroso-di-n-propylamine	7.37	70	126227	18.08	ng	# 73
25) Isophorone	7.38	82	842271	50.68	ng	# 68
49) Dimethylphthalate	9.56	163	246900	18.29	ng	100
56) 2,4-Dinitrotoluene	9.85	165	23396	6.58	ng	# 16
66) 4-Bromophenyl-phenylether	10.64	248	12896	4.48	ng	# 1
70) Phenanthrene	11.35	178	126111	8.60	ng	98
71) Anthracene	11.40	178	40466	2.59	ng	98
74) Fluoranthene	12.53	202	277512	18.74	ng	97
77) Pyrene	12.76	202	291446	13.40	ng	98
80) Benzo(a)anthracene	13.95	228	193845	12.04	ng	96
82) Chrysene	13.95	228	193845	11.08	ng	98
85) Indeno(1,2,3-cd)pyrene	16.73	276	55056	4.25	ng	93
87) Benzo(b)fluoranthene	14.97	252	231471	18.26	ng	98
88) Benzo(k)fluoranthene	14.97	252	231471	17.50	ng	# 95
89) Benzo(a)pyrene	15.31	252	116629	9.74	ng	96
91) Benzo(a,h,i)perylene	17.13	276	55187	5.62	ng	99

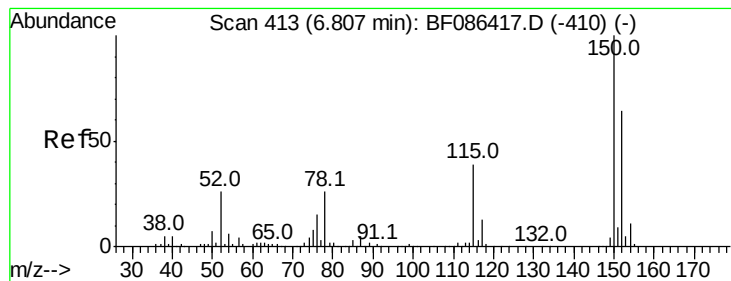
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. 0.00 min

Lab File: BF086445.D

Acq: 28 Apr 2016 1:24

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B1B

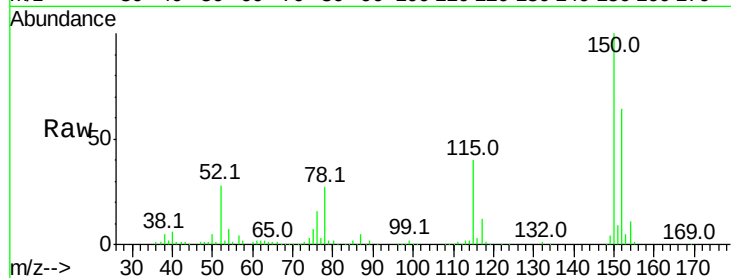
Tot Ion:152 Resp: 130565

Ion Ratio Lower Upper

152 100

150 156.7 125.8 188.6

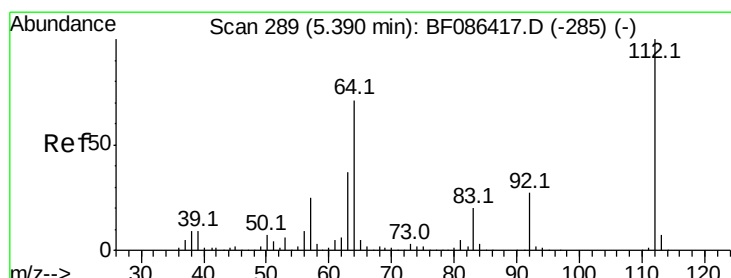
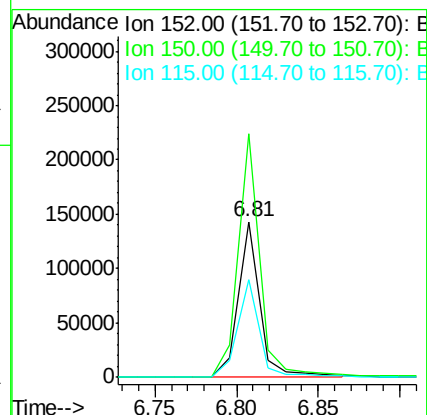
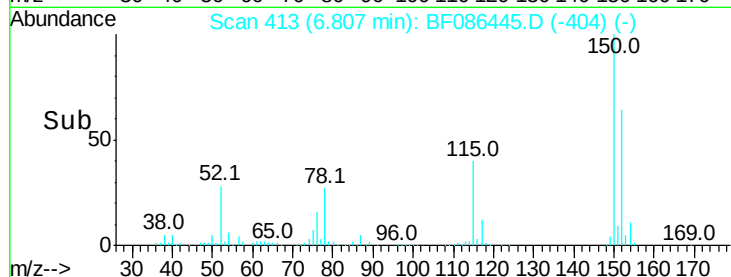
115 63.1 51.5 77.3



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: 152.05 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.01 min

Lab File: BF086445.D

Acq: 28 Apr 2016 1:24

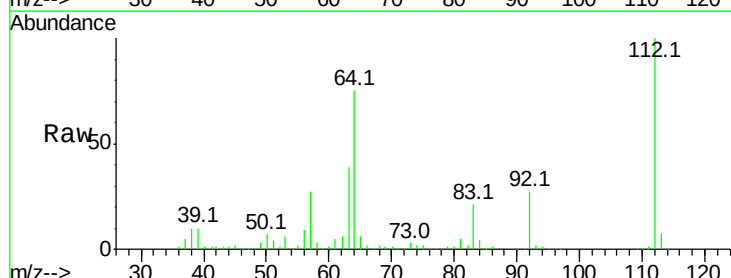
Tgt Ion:112 Resp: 1150963

Ion Ratio Lower Upper

112 100

64 74.8 52.1 78.1

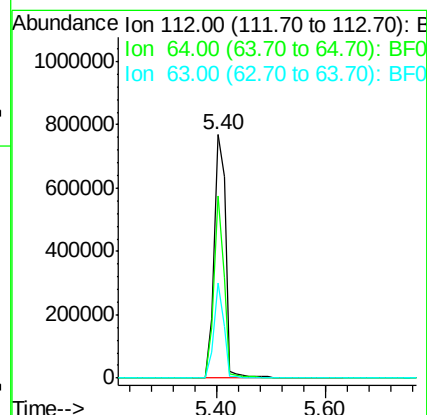
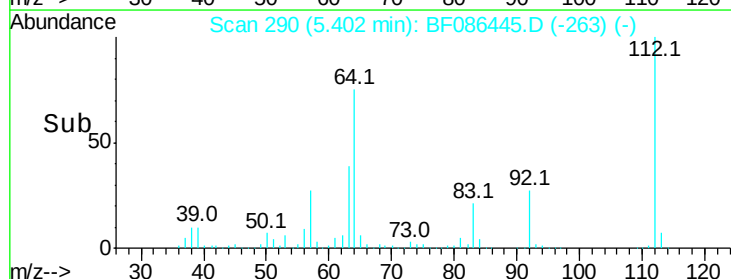
63 39.1 25.7 38.5#

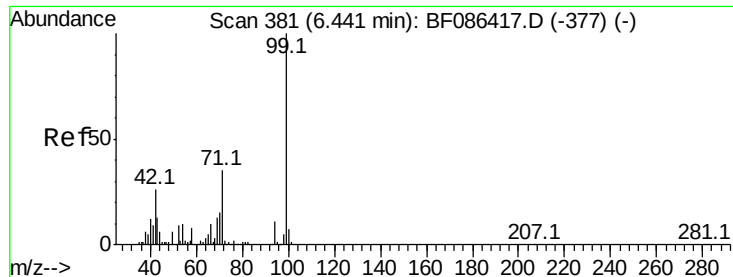


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 152.95 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.01 min

Lab File: BF086445.D

Acq: 28 Apr 2016 1:24

Instrument :

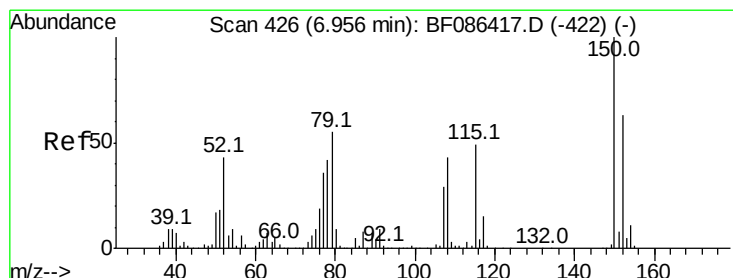
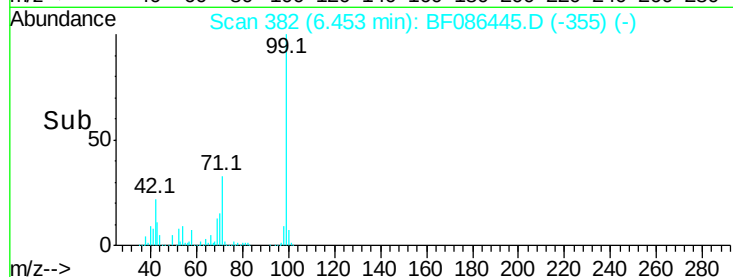
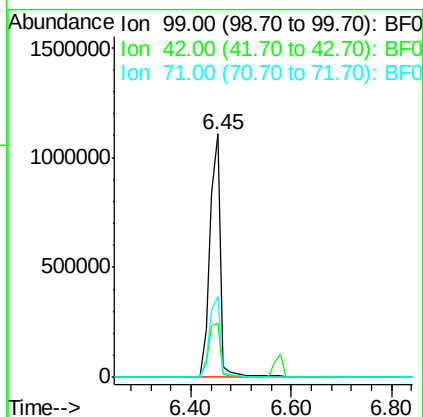
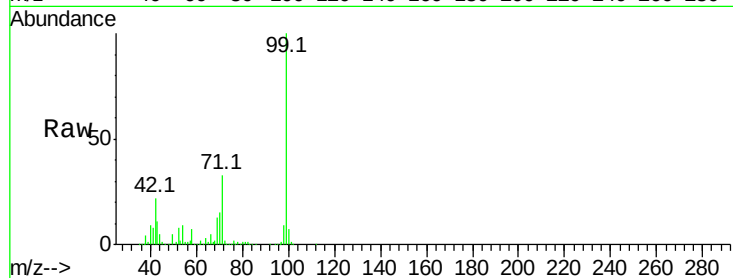
BNA_F

ClientSampleId :

TEC-COMP-B1B

Tot Ion: 99 Resp: 1615897

Ion	Ratio	Lower	Upper
99	100		
42	22.3	13.6	20.4#
71	33.5	24.6	36.8



#15

Benzyl Alcohol

Concen: 2.61 ng

RT: 6.97 min Scan# 427

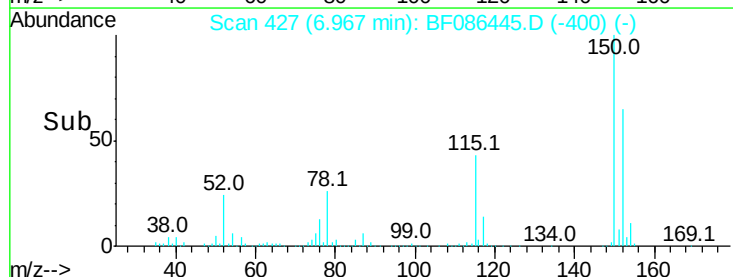
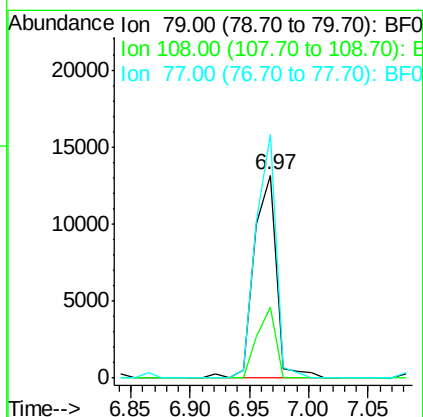
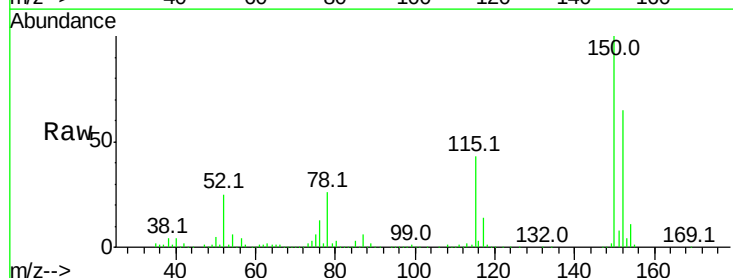
Delta R.T. 0.01 min

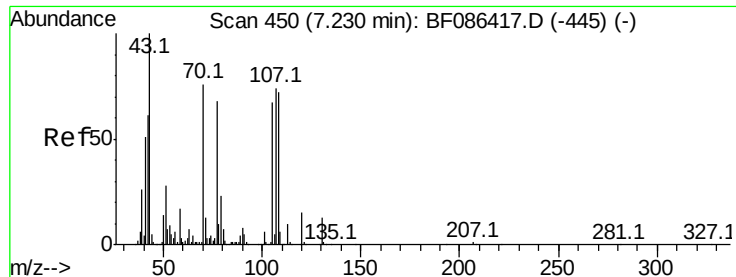
Lab File: BF086445.D

Acq: 28 Apr 2016 1:24

Tgt Ion: 79 Resp: 17420

Ion	Ratio	Lower	Upper
79	100		
108	34.8	68.4	102.6#
77	119.9	50.6	76.0#

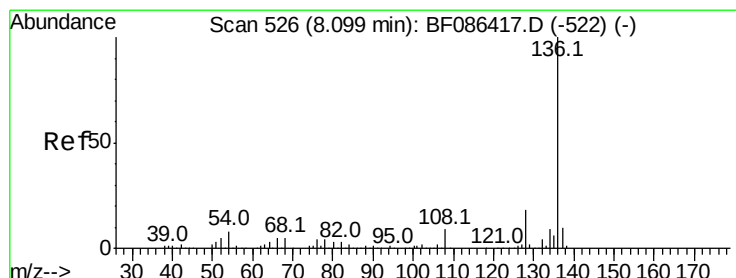
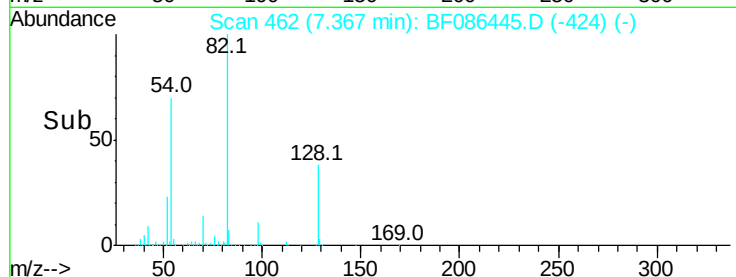
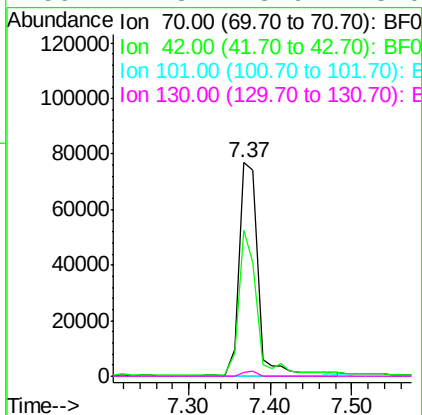
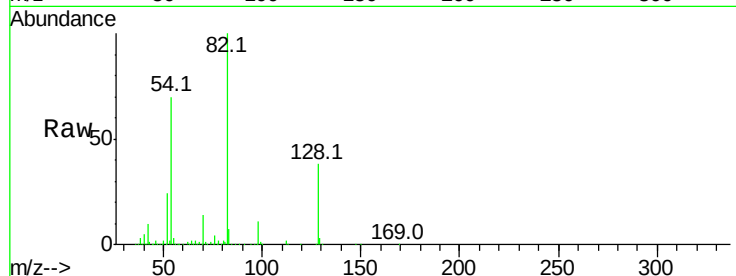




#19
n-Nitroso-di-n-propylamine
Concen: 18.08 ng
RT: 7.37 min Scan# 462
Delta R.T. 0.14 min
Lab File: BF086445.D
Acq: 28 Apr 2016 1:24

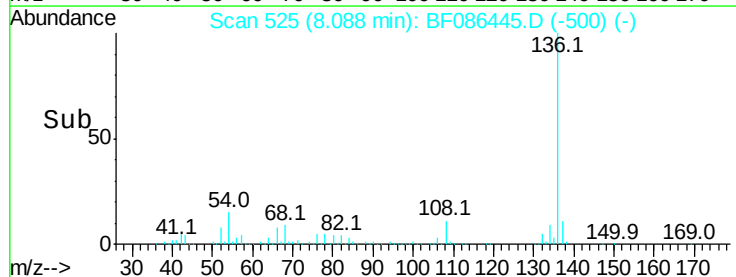
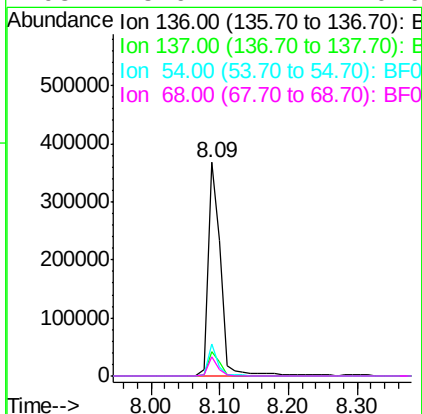
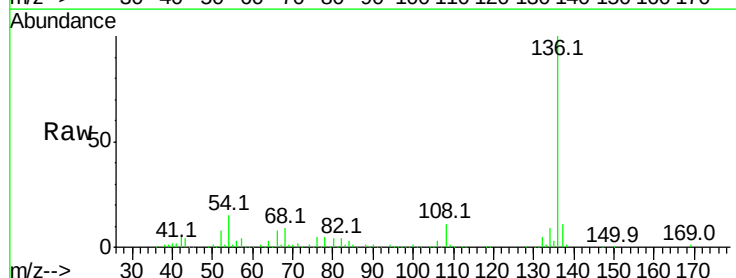
Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B1B

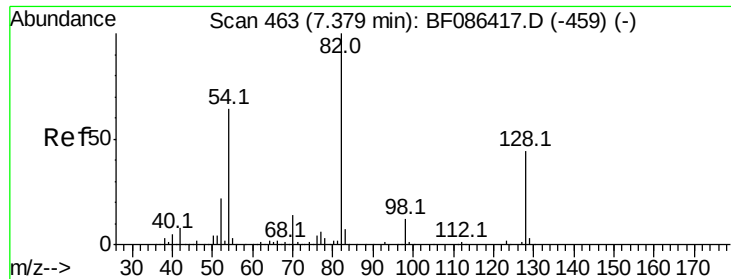
Tot Ion	Ratio	Lower	Upper
70	100		
42	68.1	43.1	64.7#
101	0.0	8.1	12.1#
130	1.8	18.6	28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.01 min
Lab File: BF086445.D
Acq: 28 Apr 2016 1:24

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	15.2	5.0	7.4#
68	8.9	4.4	6.6#

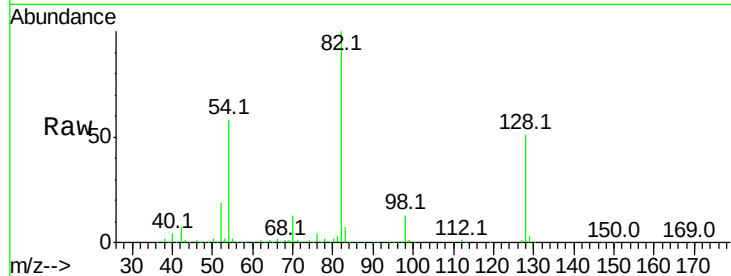




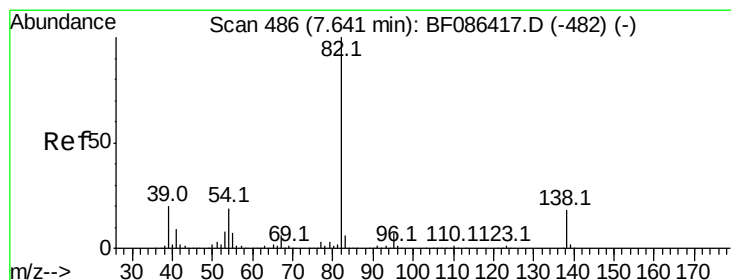
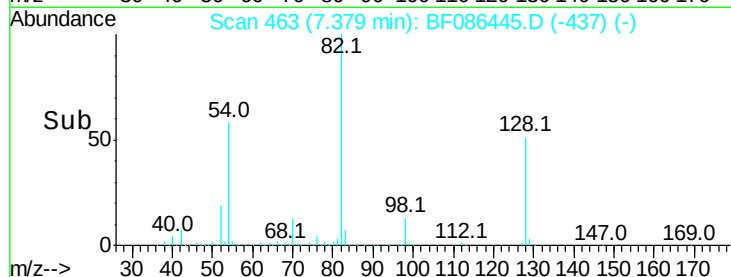
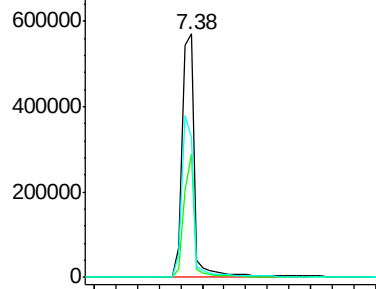
#23
Nitrobenzene-d5
Concen: 107.30 ng
RT: 7.38 min Scan# 463
Delta R.T. 0.00 min
Lab File: BF086445.D
Acq: 28 Apr 2016 1:24

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B1B

Tot Ion: 82 Resp: 926594
Ion Ratio Lower Upper
82 100
128 50.7 40.6 61.0
54 57.7 38.1 57.1#

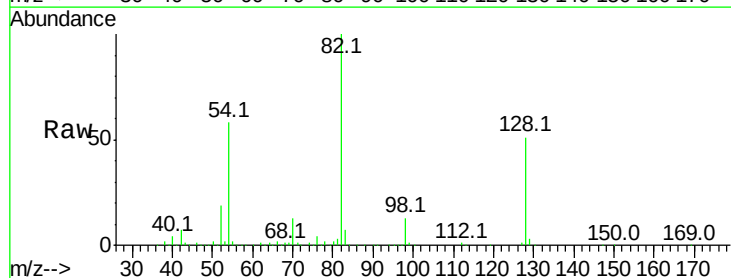


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

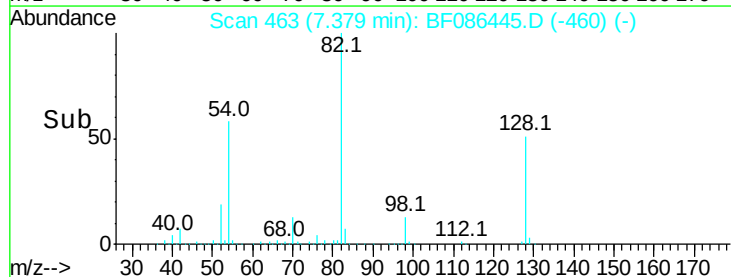
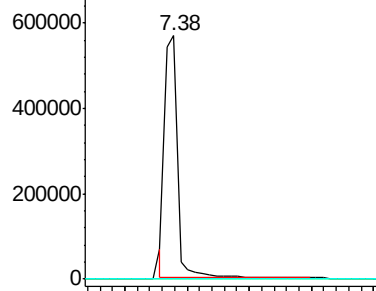


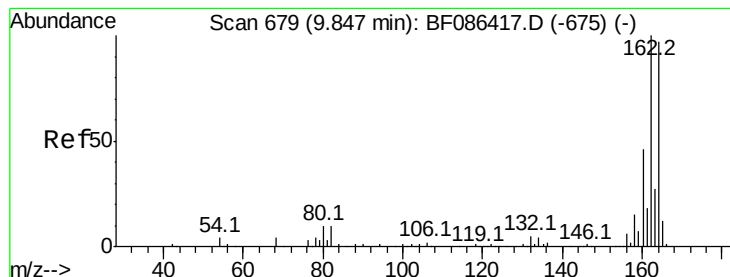
#25
Isophorone
Concen: 50.68 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.26 min
Lab File: BF086445.D
Acq: 28 Apr 2016 1:24

Tgt Ion: 82 Resp: 842271
Ion Ratio Lower Upper
82 100
95 0.1 5.1 7.7#
138 0.0 12.4 18.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. 0.00 min

Lab File: BF086445.D

Acq: 28 Apr 2016 1:24

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B1B

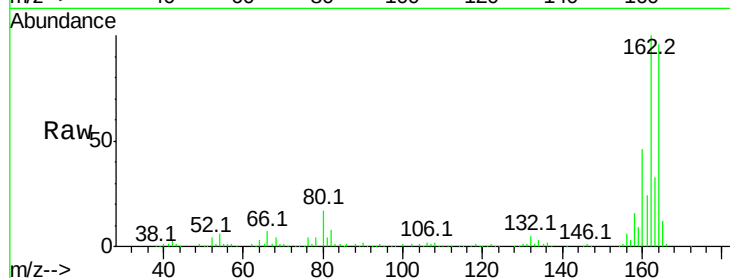
Tot Ion:164 Resp: 179311

Ion Ratio Lower Upper

164 100

162 104.4 82.8 124.2

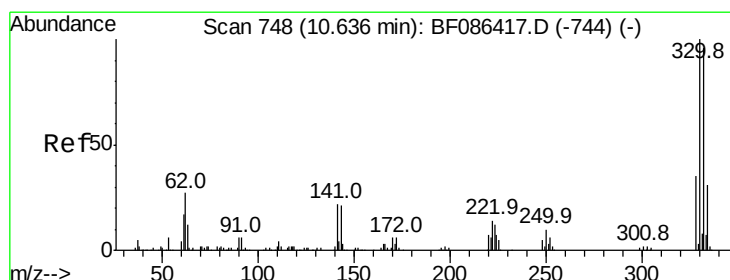
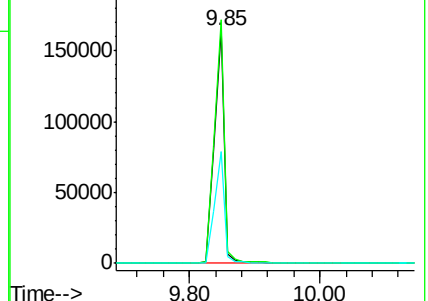
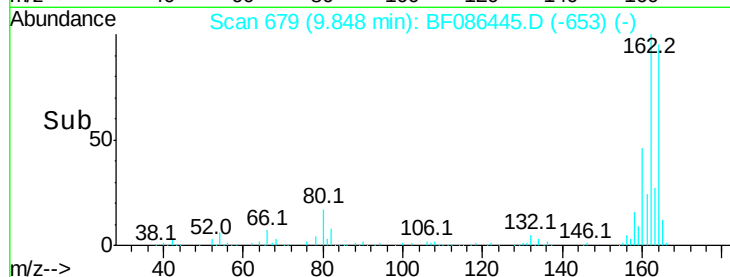
160 48.0 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 126.04 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF086445.D

Acq: 28 Apr 2016 1:24

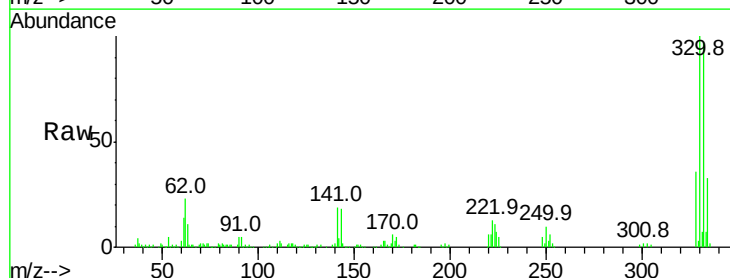
Tgt Ion:330 Resp: 238333

Ion Ratio Lower Upper

330 100

332 96.0 79.0 118.4

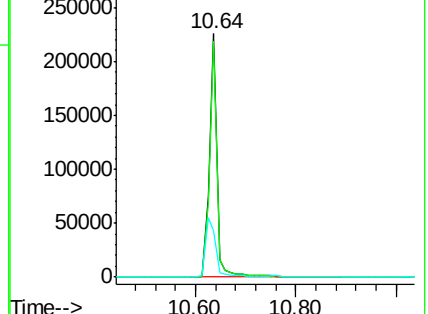
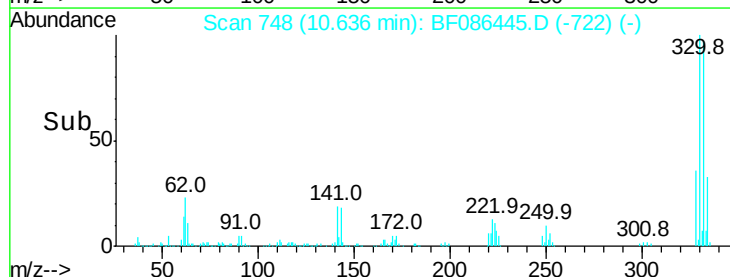
141 32.8 31.2 46.8

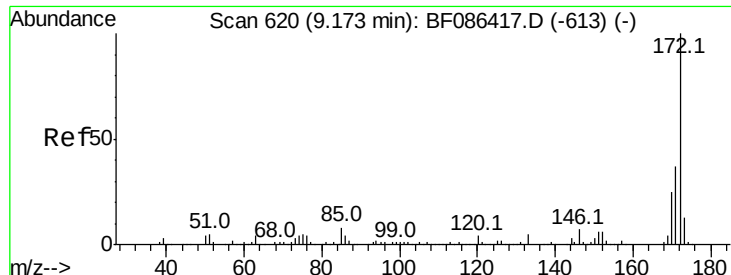


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

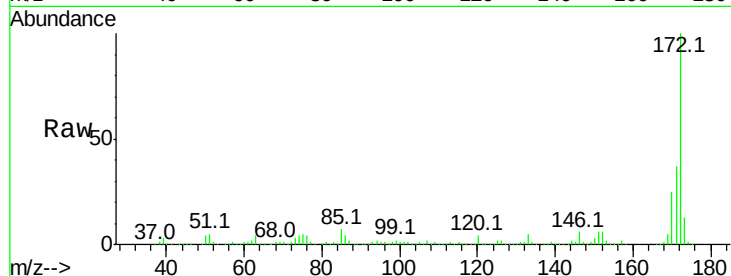




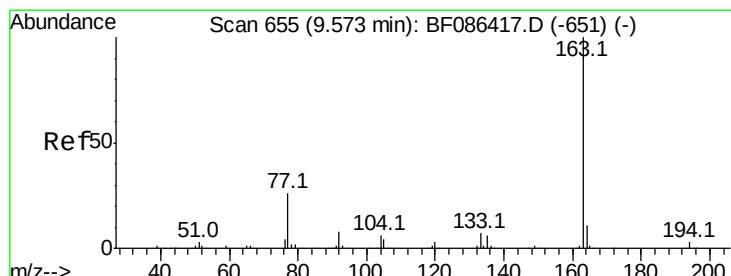
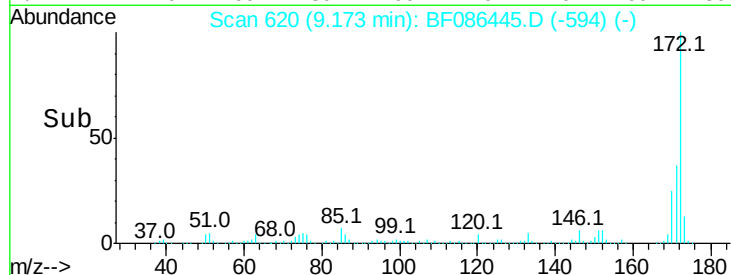
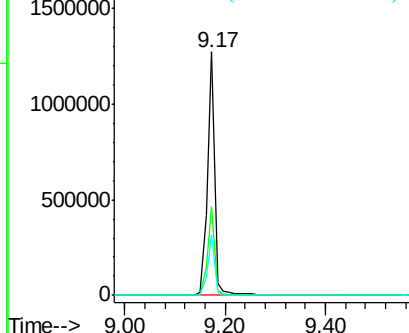
#44
2-Fluorobiphenyl
Concen: 144.35 ng
RT: 9.17 min Scan# 620
Delta R.T. 0.00 min
Lab File: BF086445.D
Acq: 28 Apr 2016 1:24

Instrument :
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TEC-COMP-B1B

Tot Ion:172 Resp: 1291464
Ion Ratio Lower Upper
172 100
171 36.5 29.0 43.6
170 24.8 19.8 29.8

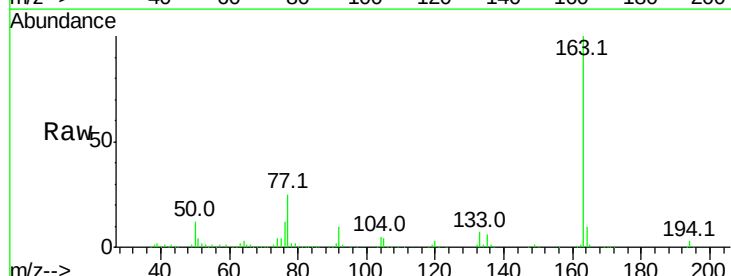


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

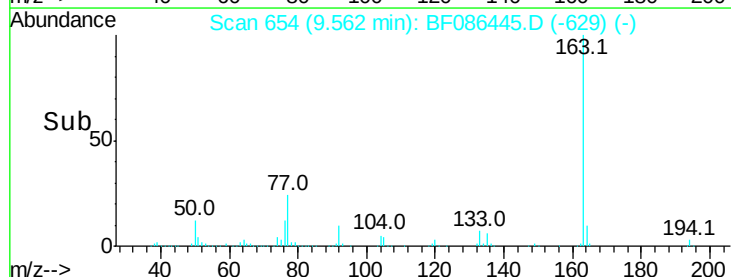
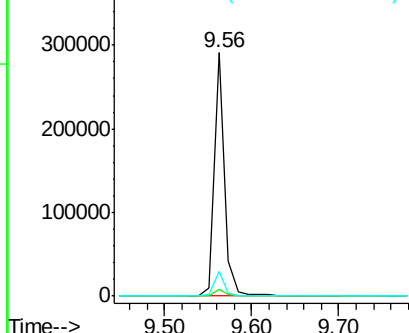


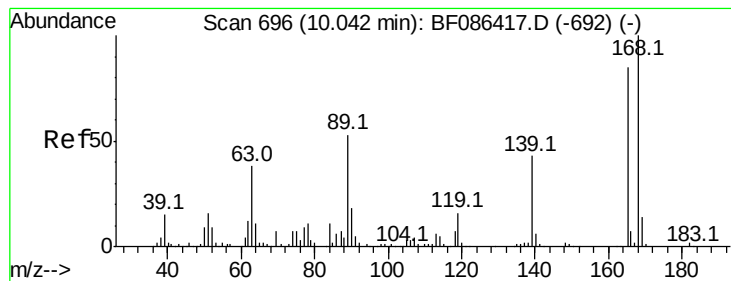
#49
Dimethylphthalate
Concen: 18.29 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.01 min
Lab File: BF086445.D
Acq: 28 Apr 2016 1:24

Tgt Ion:163 Resp: 246900
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.2 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

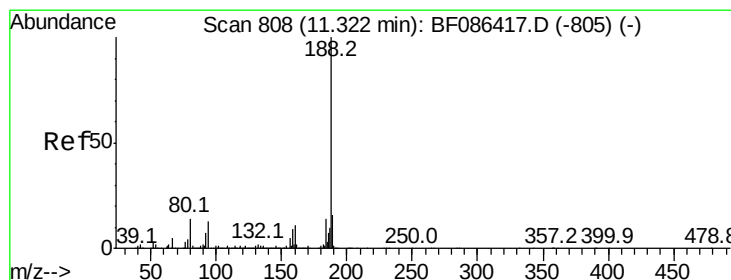
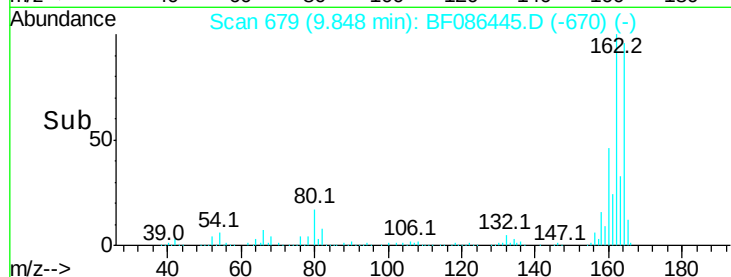
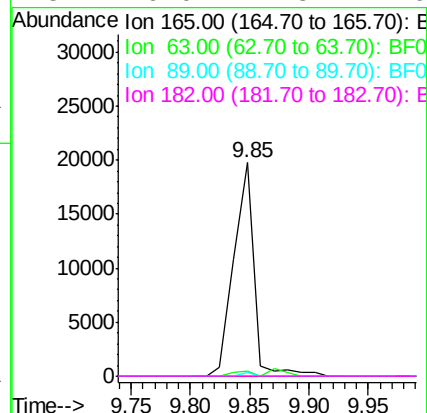
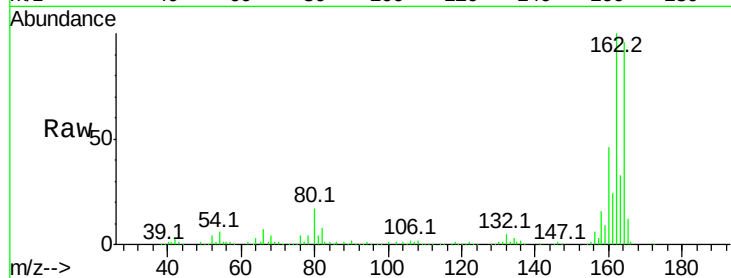




#56
 2,4-Dinitrotoluene
 Concen: 6.58 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.19 min
 Lab File: BF086445.D
 Acq: 28 Apr 2016 1:24

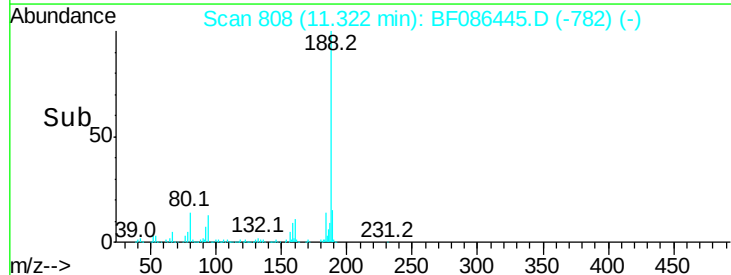
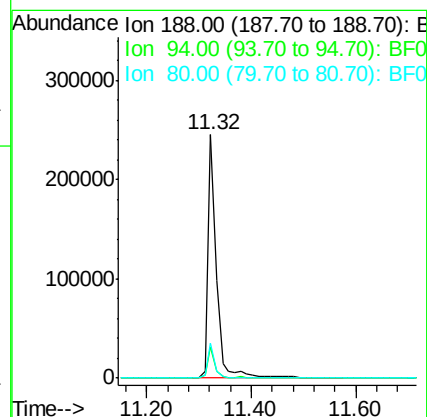
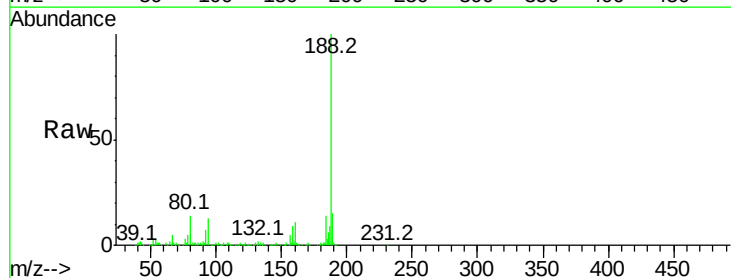
Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B1B

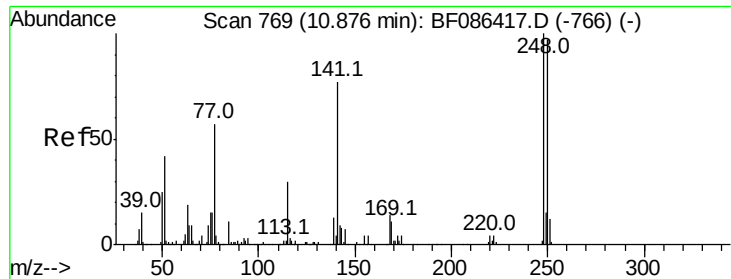
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	44.3	66.5#
89	2.0	70.0	105.0#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF086445.D
 Acq: 28 Apr 2016 1:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.8	6.8	10.2#
80	14.2	7.1	10.7#

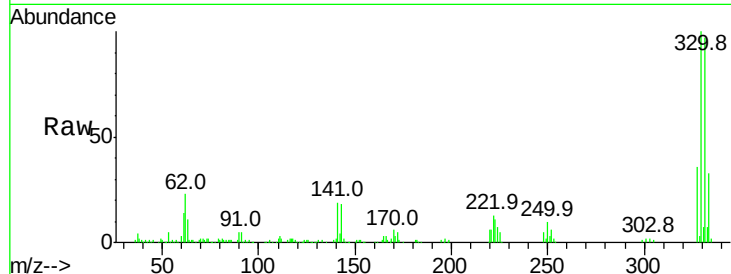




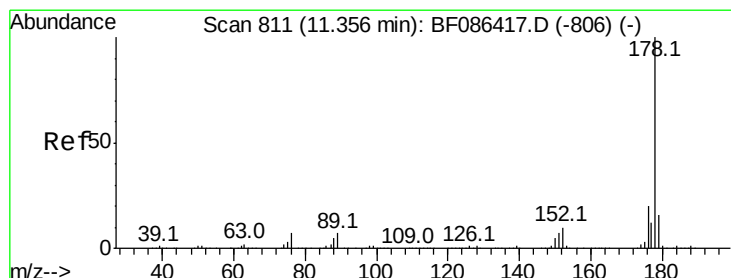
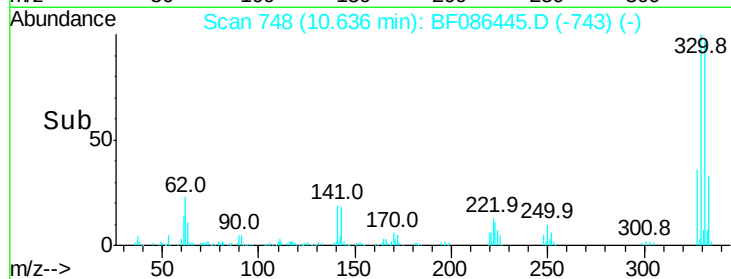
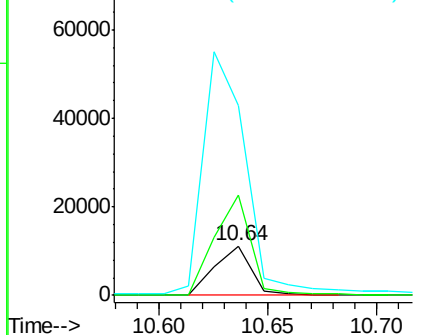
#66
 4-Bromophenyl-phenylether
 Concen: 4.48 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.24 min
 Lab File: BF086445.D
 Acq: 28 Apr 2016 1:24

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B1B

Tot Ion:248 Resp: 12896
 Ion Ratio Lower Upper
 248 100
 250 203.7 78.6 117.8#
 141 383.9 76.0 114.0#

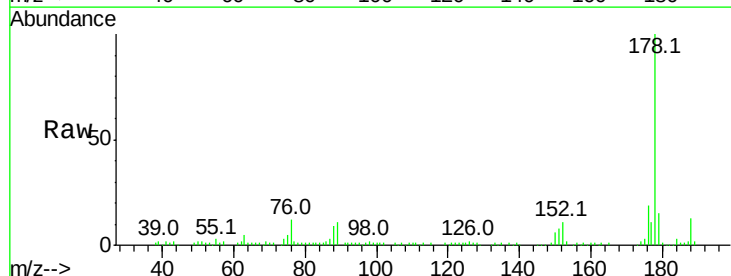


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

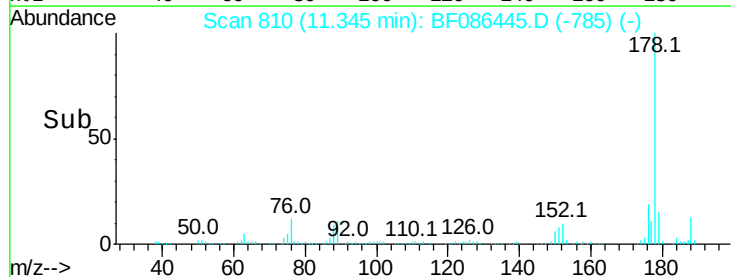
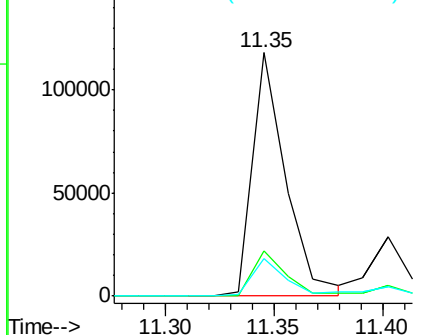


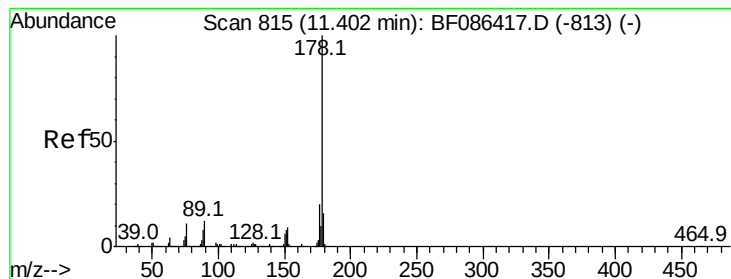
#70
 Phenanthrene
 Concen: 8.60 ng
 RT: 11.35 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF086445.D
 Acq: 28 Apr 2016 1:24

Tgt Ion:178 Resp: 126111
 Ion Ratio Lower Upper
 178 100
 176 18.8 16.0 24.0
 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: 2.59 ng

RT: 11.40 min Scan# 815

Delta R.T. 0.00 min

Lab File: BF086445.D

Acq: 28 Apr 2016 1:24

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B1B

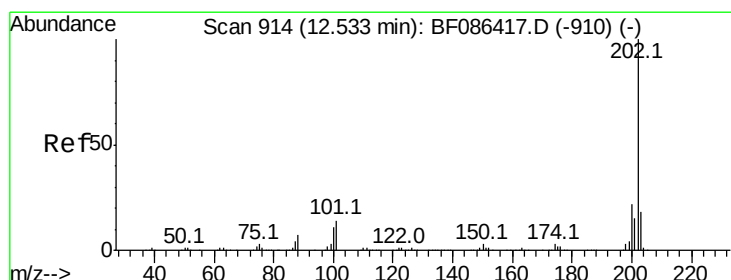
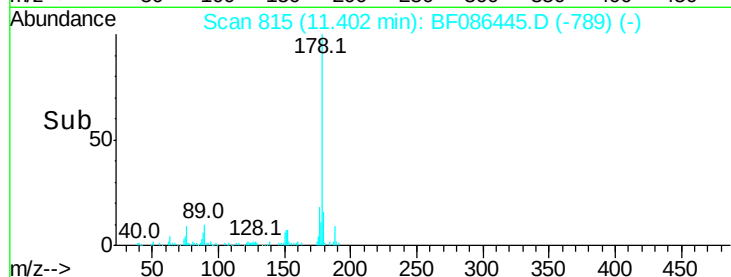
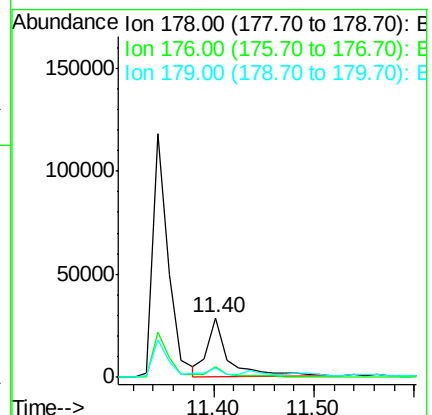
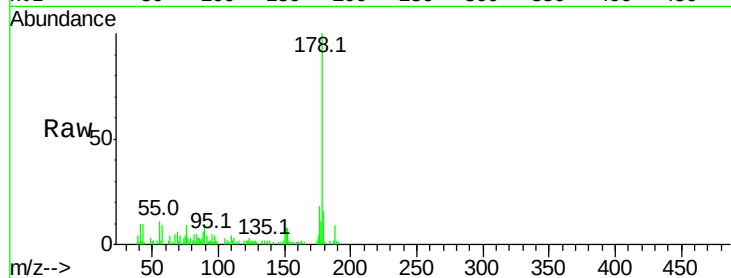
Tot Ion:178 Resp: 40466

Ion Ratio Lower Upper

178 100

176 18.1 15.6 23.4

179 15.7 12.7 19.1



#74

Fluoranthene

Concen: 18.74 ng

RT: 12.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF086445.D

Acq: 28 Apr 2016 1:24

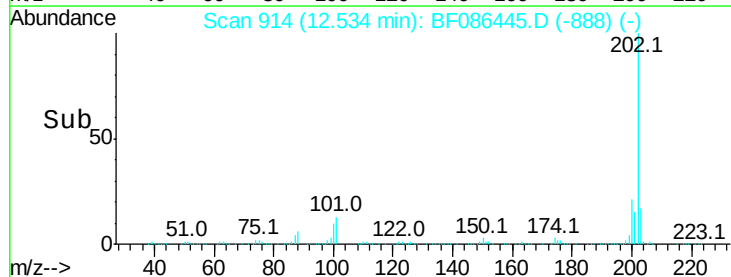
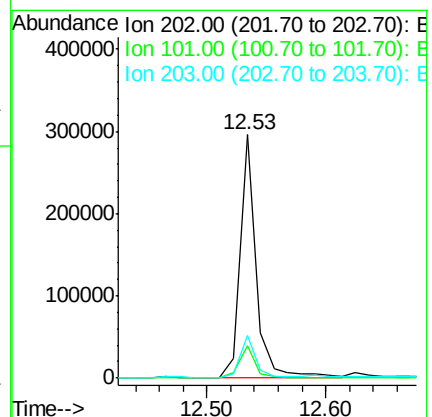
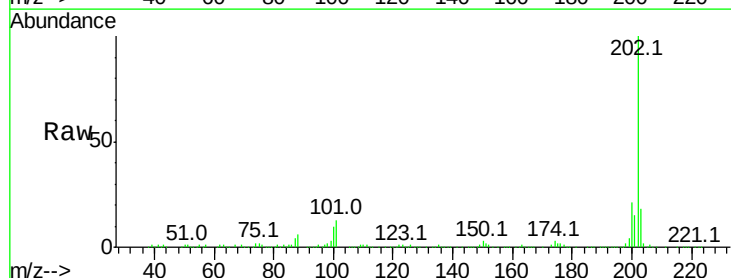
Tgt Ion:202 Resp: 277512

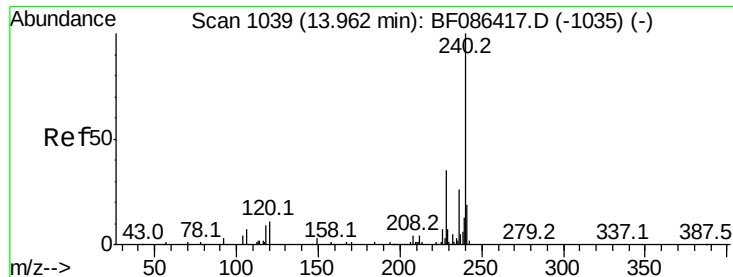
Ion Ratio Lower Upper

202 100

101 13.2 0.0 35.4

203 17.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BF086445.D

Acq: 28 Apr 2016 1:24

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B1B

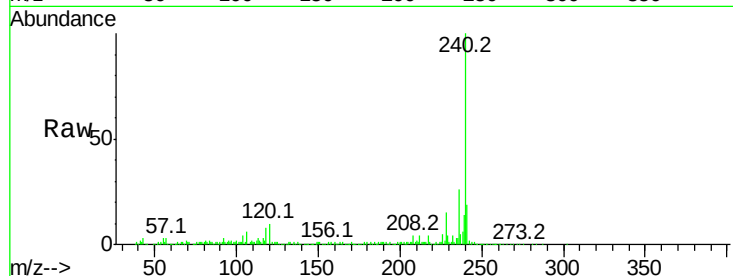
Tot Ion:240 Resp: 301864

Ion Ratio Lower Upper

240 100

120 10.4 11.2 16.8#

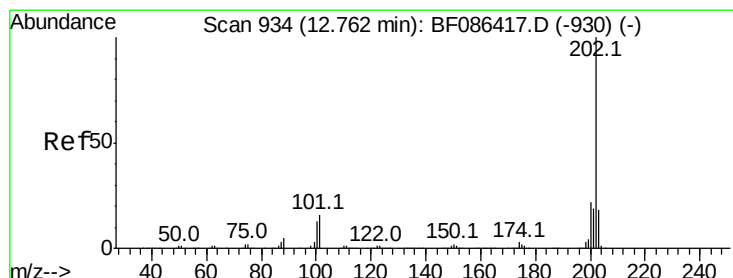
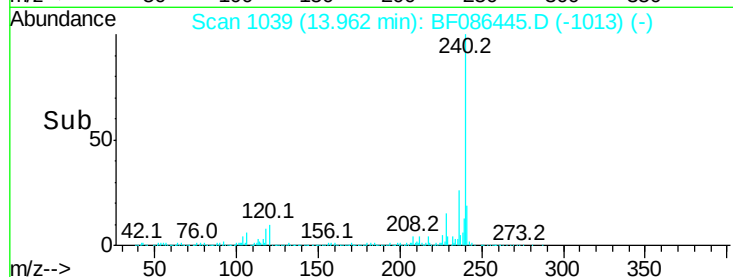
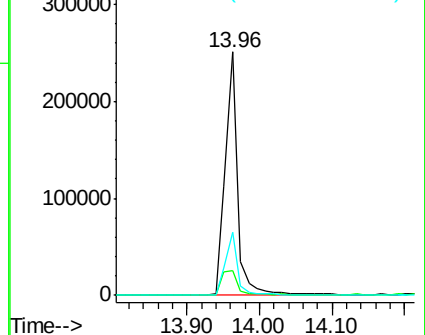
236 25.9 21.2 31.8



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: 13.40 ng

RT: 12.76 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF086445.D

Acq: 28 Apr 2016 1:24

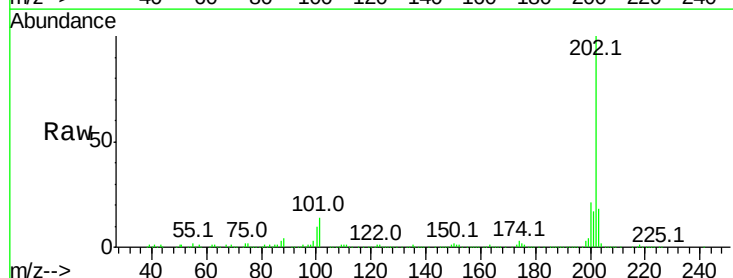
Tgt Ion:202 Resp: 291446

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

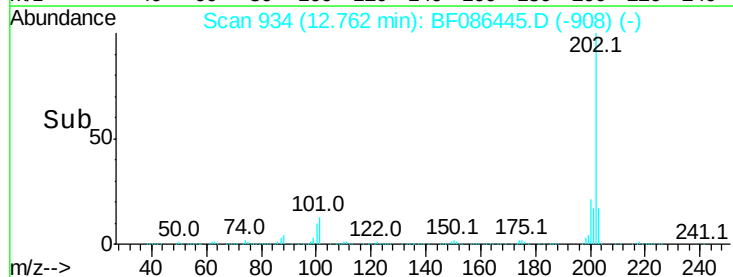
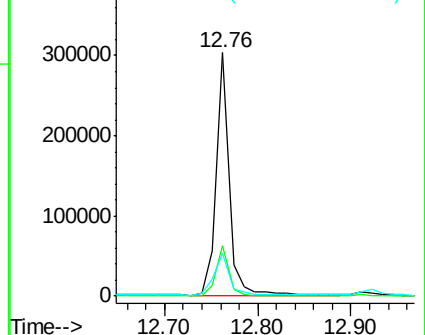
203 17.7 14.2 21.4

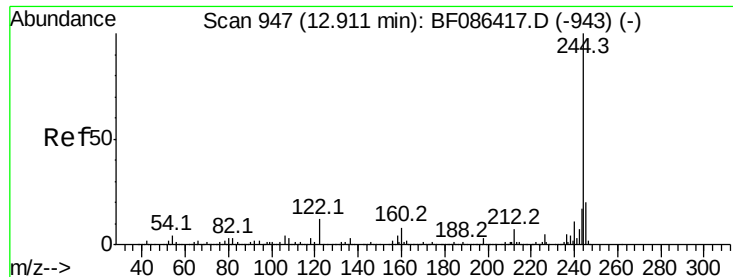


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

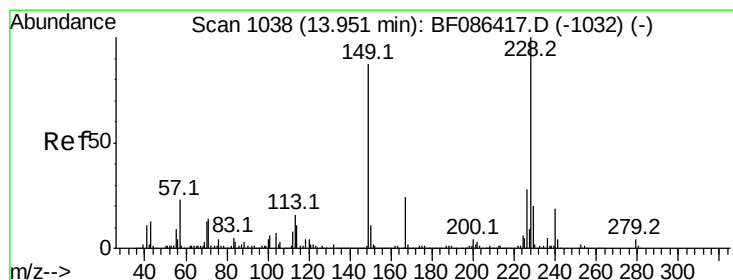
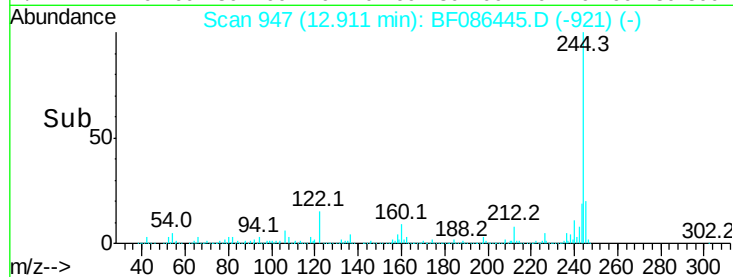
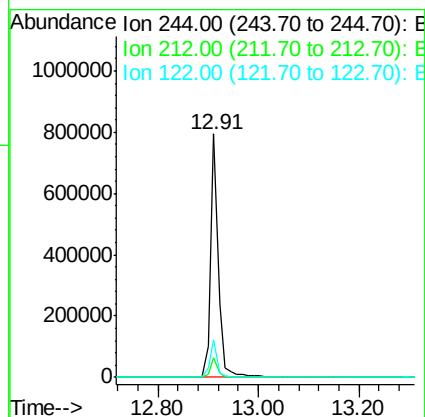
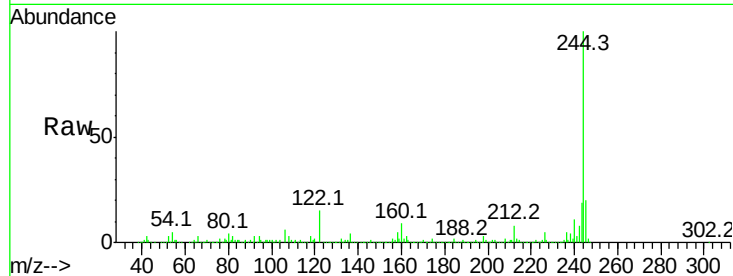




#78
 Terphenyl-d14
 Concen: 62.11 ng
 RT: 12.91 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: BF086445.D
 Acq: 28 Apr 2016 1:24

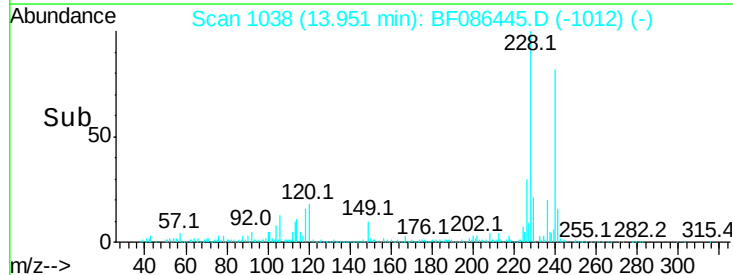
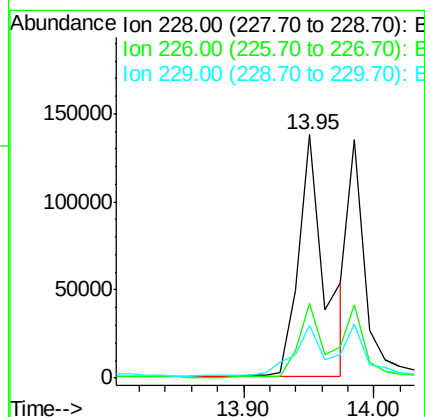
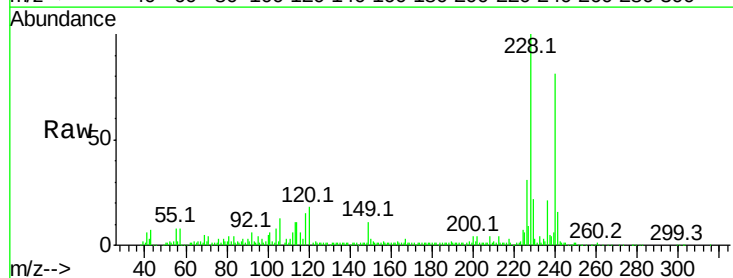
Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B1B

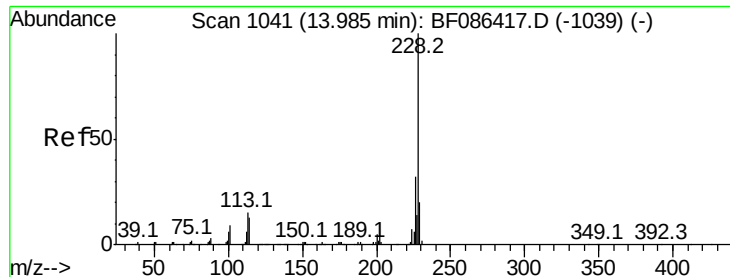
Tot Ion:244 Resp: 851011
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.2
 122 15.3 12.0 18.0



#80
 Benzo(a)anthracene
 Concen: 12.04 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: BF086445.D
 Acq: 28 Apr 2016 1:24

Tgt Ion:228 Resp: 193845
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.5 33.7
 229 21.7 16.6 25.0





#82

Chrysene

Concen: 11.08 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.03 min

Lab File: BF086445.D

Acq: 28 Apr 2016 1:24

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B1B

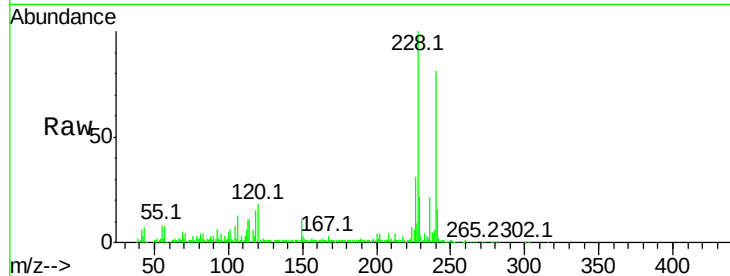
Tot Ion:228 Resp: 193845

Ion Ratio Lower Upper

228 100

226 30.5 24.4 36.6

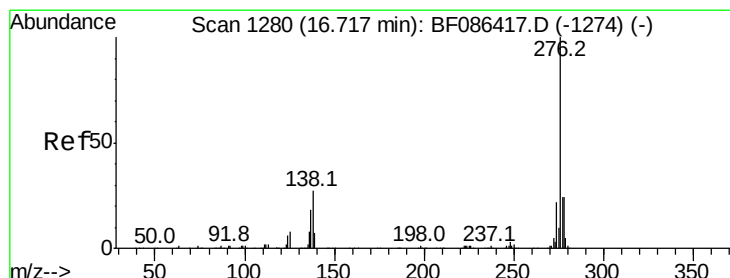
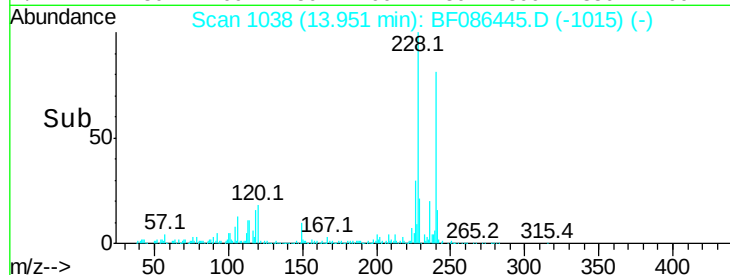
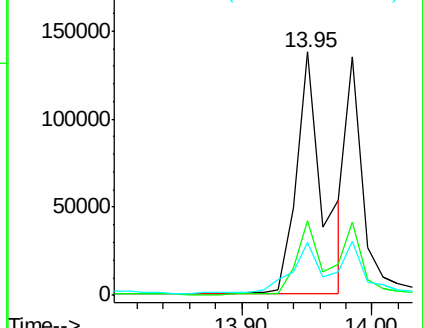
229 21.7 15.8 23.8



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: 4.25 ng

RT: 16.73 min Scan# 1281

Delta R.T. 0.01 min

Lab File: BF086445.D

Acq: 28 Apr 2016 1:24

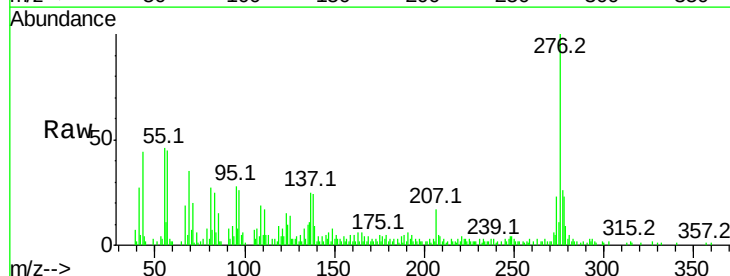
Tgt Ion:276 Resp: 55056

Ion Ratio Lower Upper

276 100

138 28.8 25.6 38.4

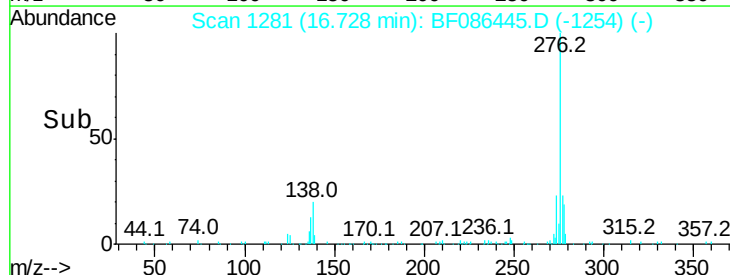
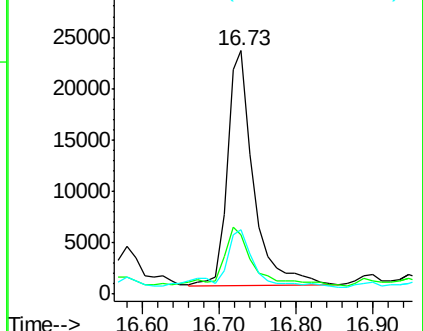
277 29.8 20.5 30.7

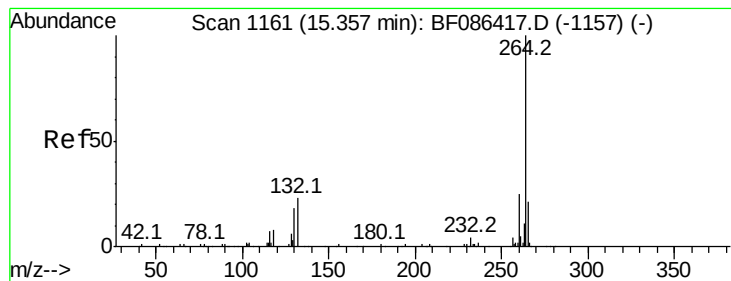


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.37 min Scan# 1162

Delta R.T. 0.01 min

Lab File: BF086445.D

Acq: 28 Apr 2016 1:24

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B1B

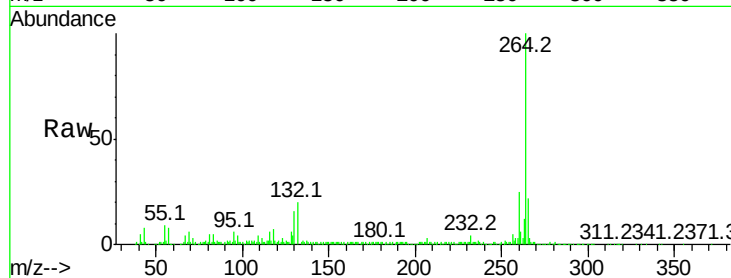
Tot Ion:264 Resp: 215532

Ion Ratio Lower Upper

264 100

260 25.0 19.5 29.3

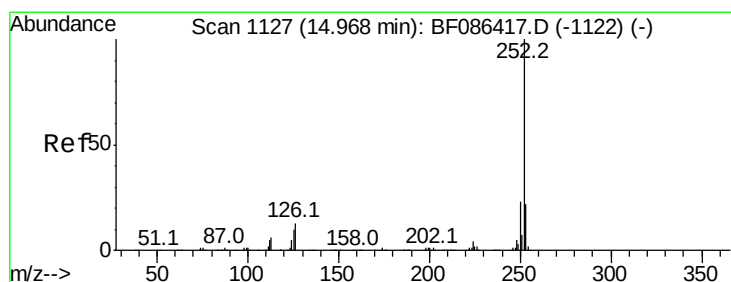
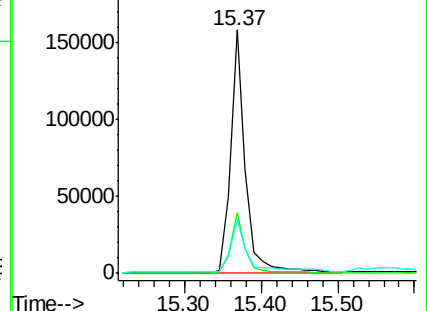
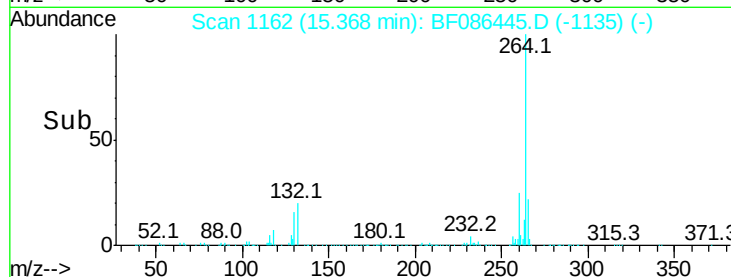
265 22.3 17.3 25.9



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: 18.26 ng

RT: 14.97 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BF086445.D

Acq: 28 Apr 2016 1:24

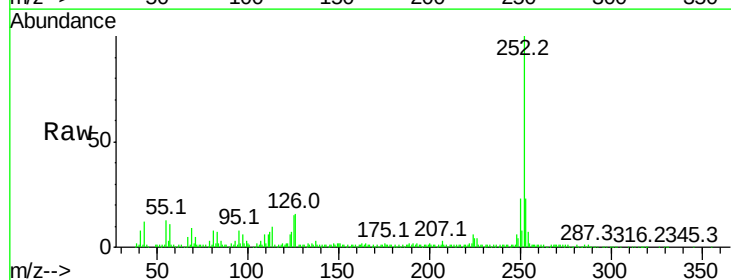
Tgt Ion:252 Resp: 231471

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

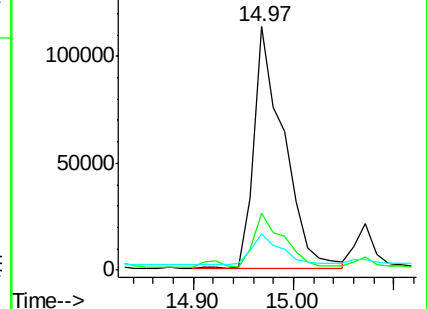
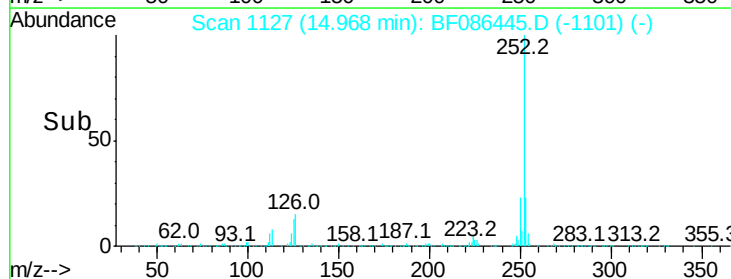
125 14.8 11.4 17.0

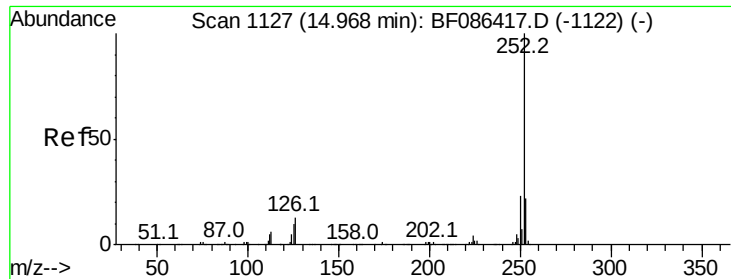


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

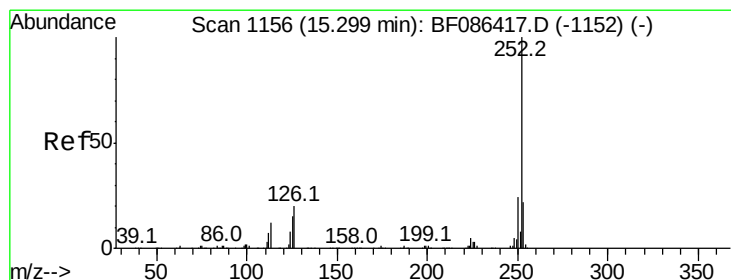
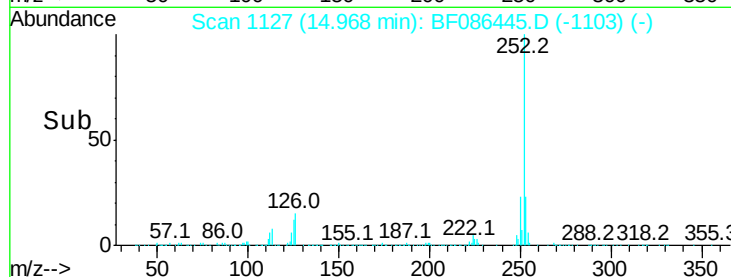
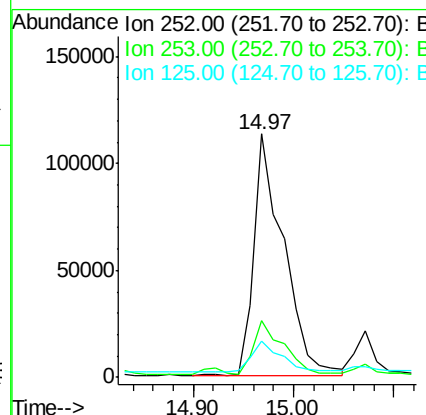
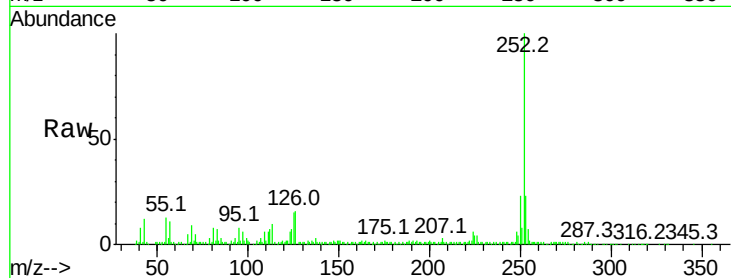




#88
Benzo(k)fluoranthene
Concen: 17.50 ng
RT: 14.97 min Scan# 1127
Delta R.T. -0.02 min
Lab File: BF086445.D
Acq: 28 Apr 2016 1:24

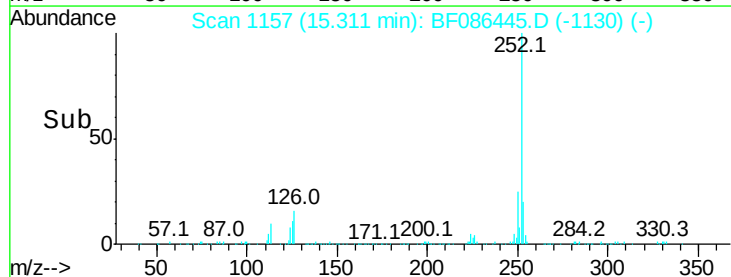
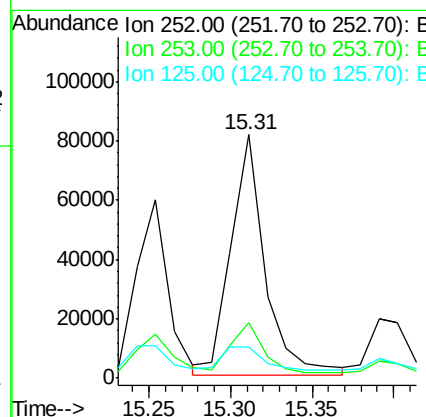
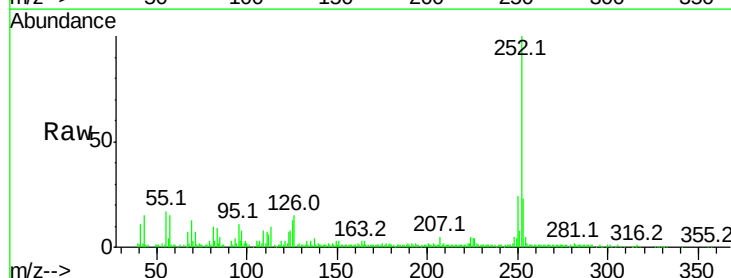
Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B1B

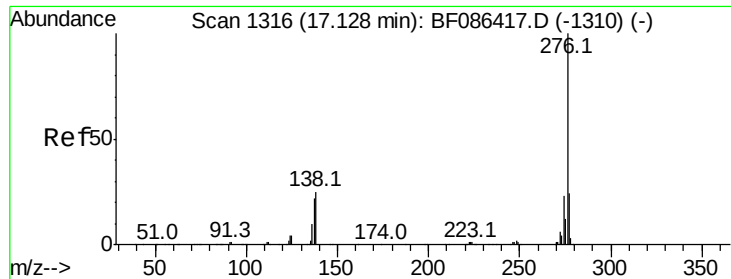
Tot Ion:252 Resp: 231471
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 14.8 9.1 13.7#



#89
Benzo(a)pyrene
Concen: 9.74 ng
RT: 15.31 min Scan# 1157
Delta R.T. 0.01 min
Lab File: BF086445.D
Acq: 28 Apr 2016 1:24

Tgt Ion:252 Resp: 116629
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 12.9 9.0 13.6





#91
 Benzo(a,h,i)perylene
 Concen: 5.62 ng
 RT: 17.13 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: BF086445.D
 Acq: 28 Apr 2016 1:24

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B1B

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.6	29.4
138	28.3	23.6	35.4

