

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072116\
 Data File : BF089174.D
 Acq On : 21 Jul 2016 12:14
 Operator : UM/SJ
 Sample : H4112-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 21 16:07:40 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 19:03:15 2016
 Response via : Initial Calibration

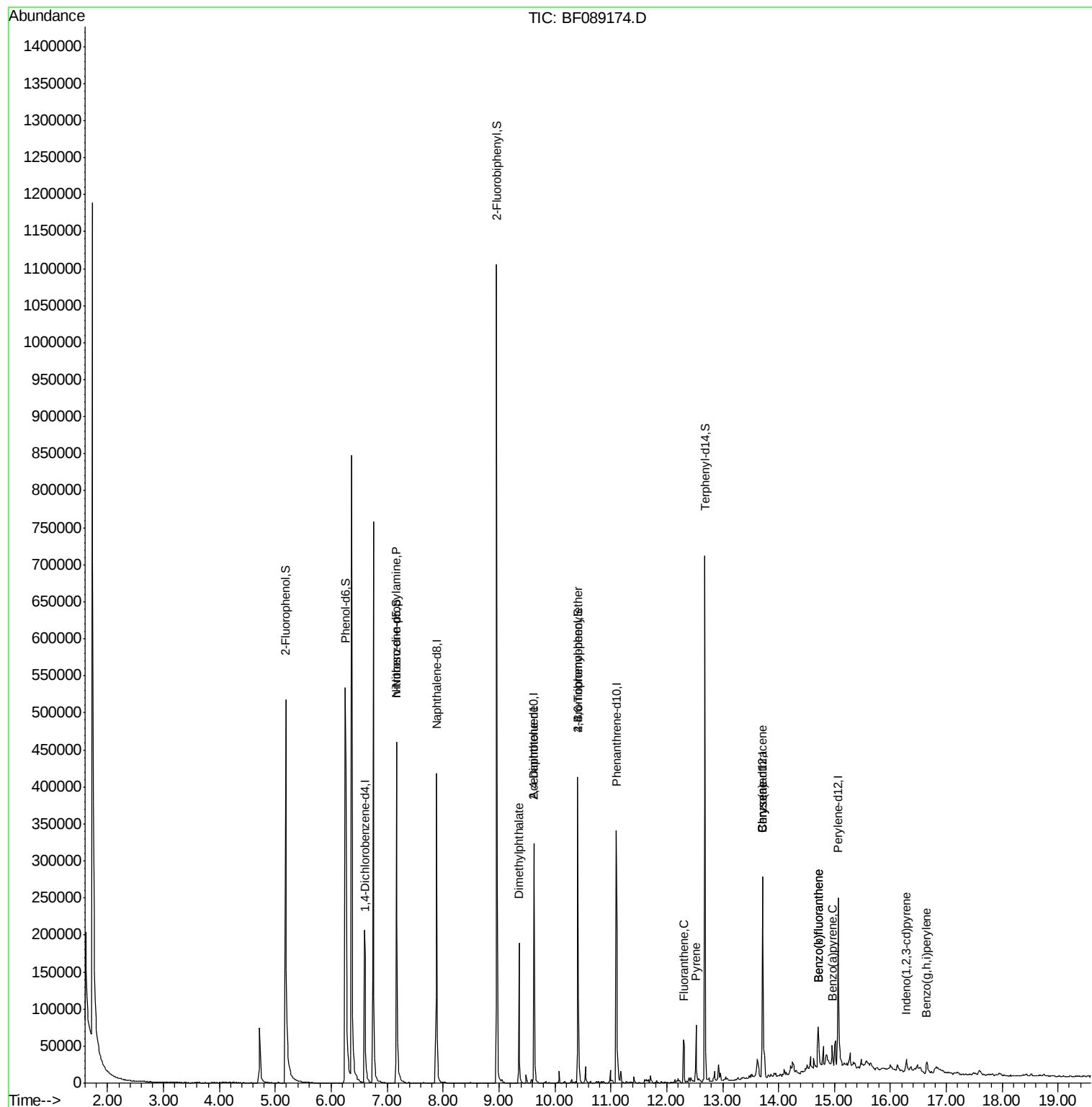
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	53324	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	224518	20.00	ng	0.00
38) Acenaphthene-d10	9.62	164	92275	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	163483	20.00	ng	-0.01
75) Chrysene-d12	13.71	240	104569	20.00	ng	-0.01
86) Perylene-d12	15.06	264	96866	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	246791	70.39	ng	0.00
7) Phenol-d6	6.25	99	335525	74.21	ng	-0.02
23) Nitrobenzene-d5	7.16	82	210858	49.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	43566	52.44	ng	-0.01
44) 2-Fluorobiphenyl	8.96	172	369756	55.21	ng	-0.01
78) Terphenyl-d14	12.69	244	253937	52.67	ng	0.00
Target Compounds						
9) Benzaldehyde	6.25	77	211	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.16	70	27514	9.30	ng	82
49) Dimethylphthalate	9.36	163	79751	11.26	ng	98
56) 2,4-Dinitrotoluene	9.62	165	11479	5.57	ng	10
66) 4-Bromophenyl-phenylether	10.41	248	3313	2.05	ng	1
74) Fluoranthene	12.31	202	36502	3.87	ng	93
77) Pyrene	12.53	202	32881	3.81	ng	99
80) Benzo(a)anthracene	13.71	228	33578	5.04	ng	78
82) Chrysene	13.71	228	33578	5.28	ng	80
85) Indeno(1,2,3-cd)pyrene	16.29	276	12073	2.61	ng	94
87) Benzo(b)fluoranthene	14.71	252	32854	4.68	ng	94
88) Benzo(k)fluoranthene	14.71	252	32854	6.55	ng	89
89) Benzo(a)pyrene	14.96	252	13069	2.40	ng	95
91) Benzo(a,h,i)perylene	16.65	276	10993	2.54	ng	90

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072116\
Data File : BF089174.D
Acq On : 21 Jul 2016 12:14
Operator : UM/SJ
Sample : H4112-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 21 16:07:40 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 20 19:03:15 2016
Response via : Initial Calibration



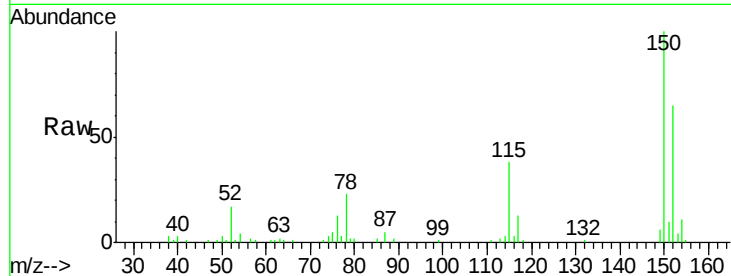


#1

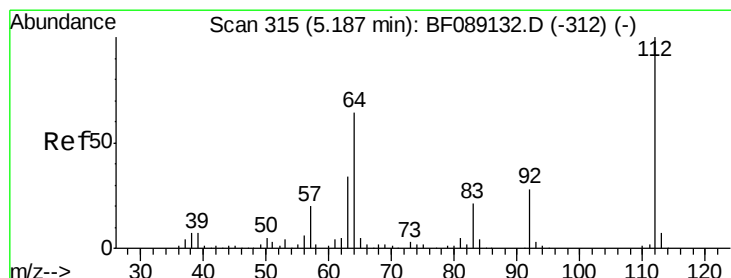
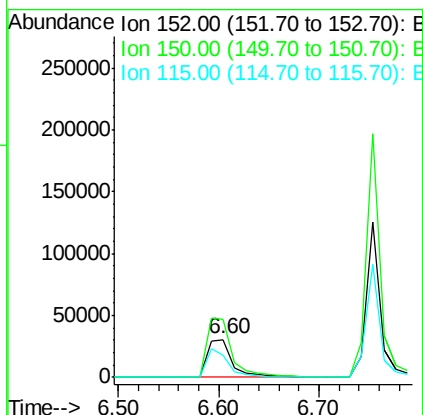
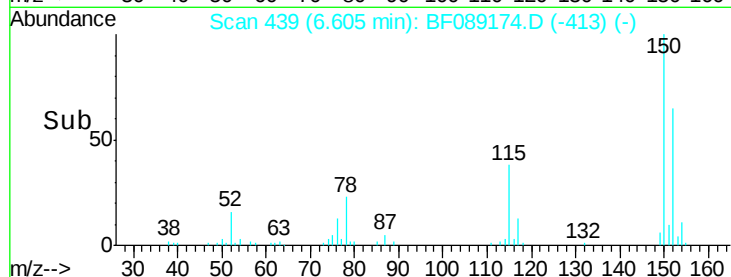
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 439
Delta R.T. 0.00 min
Lab File: BF089174.D
Acq: 21 Jul 2016 12:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 53324
Ion Ratio Lower Upper
152 100
150 153.0 125.1 187.7
115 58.1 51.1 76.7



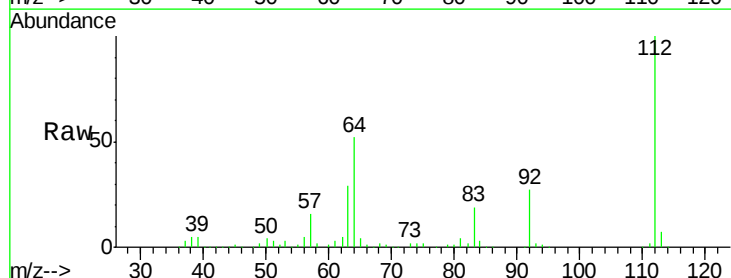
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



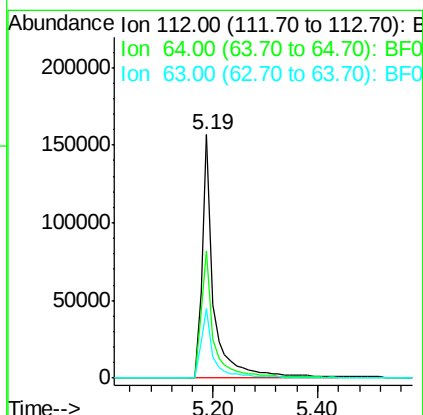
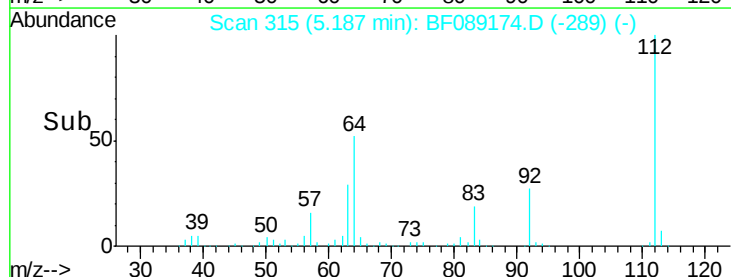
#5

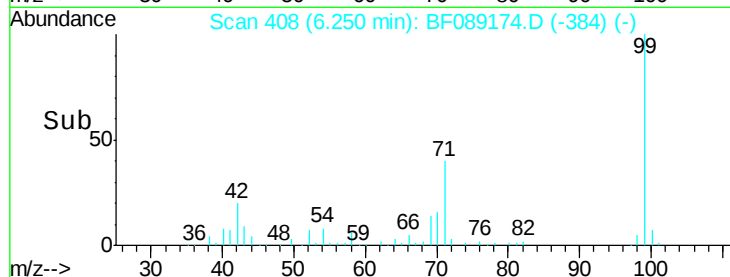
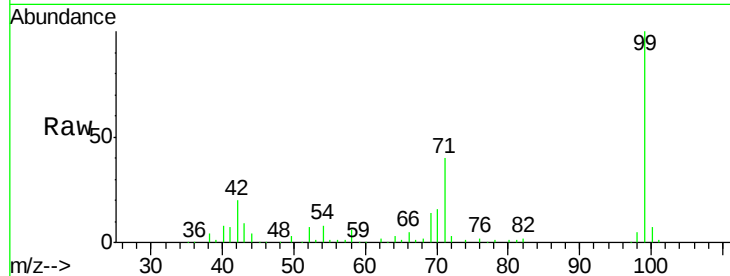
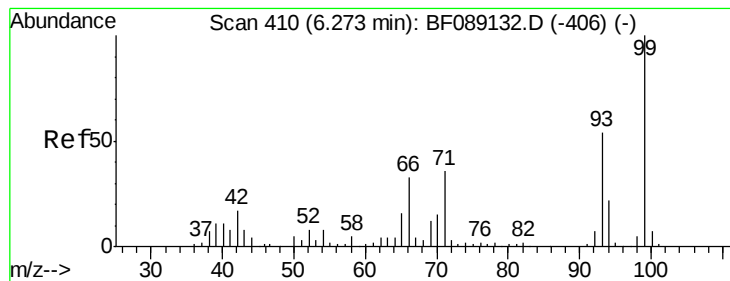
2-Fluorophenol
Concen: 70.39 ng
RT: 5.19 min Scan# 315
Delta R.T. 0.00 min
Lab File: BF089174.D
Acq: 21 Jul 2016 12:14

Tgt Ion:112 Resp: 246791
Ion Ratio Lower Upper
112 100
64 52.5 51.0 76.4
63 28.8 27.3 40.9



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: 74.21 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.02 min

Lab File: BF089174.D

Acq: 21 Jul 2016 12:14

Tot Ion: 99 Resp: 335525

Ion Ratio Lower Upper

99 100

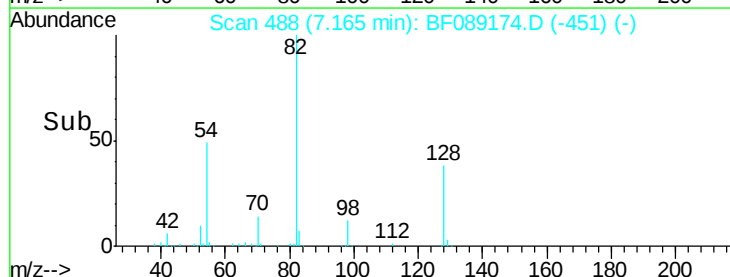
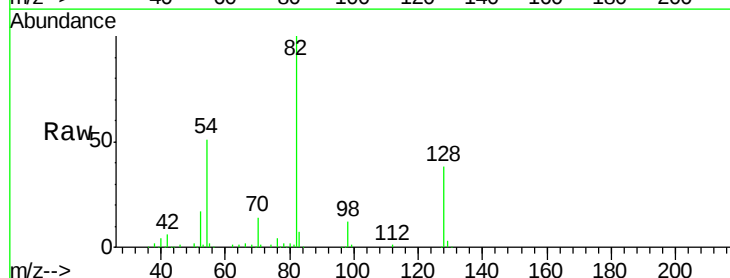
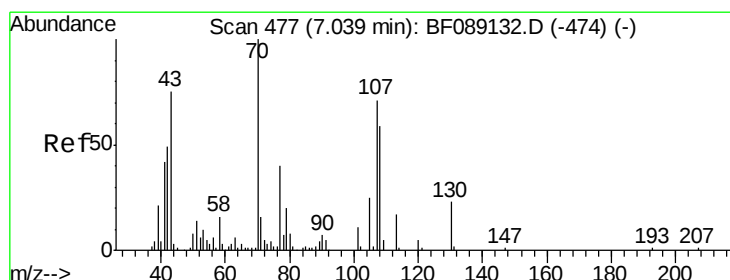
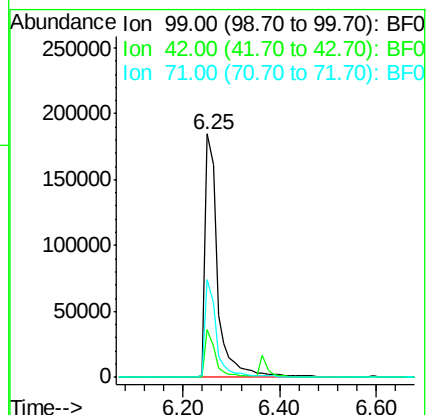
42 19.5 13.5 20.3

71 39.9 28.9 43.3

Instrument :

BNA_F

ClientSampled :



#19

n-Nitroso-di-n-propylamine

Concen: 9.30 ng

RT: 7.16 min Scan# 488

Delta R.T. 0.13 min

Lab File: BF089174.D

Acq: 21 Jul 2016 12:14

Tgt Ion: 70 Resp: 27514

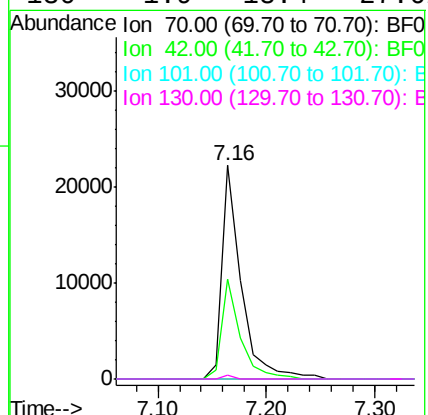
Ion Ratio Lower Upper

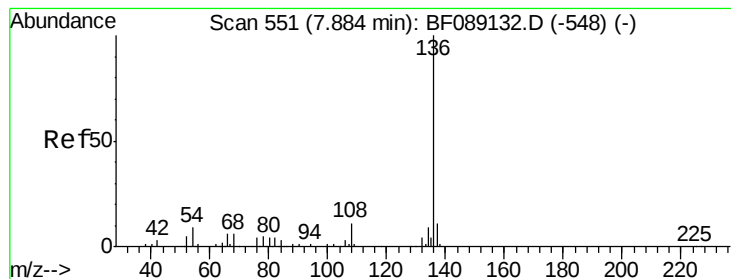
70 100

42 46.6 39.2 58.8

101 0.0 8.5 12.7#

130 1.9 18.4 27.6#

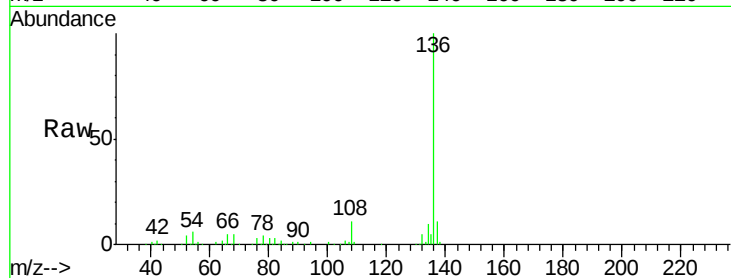




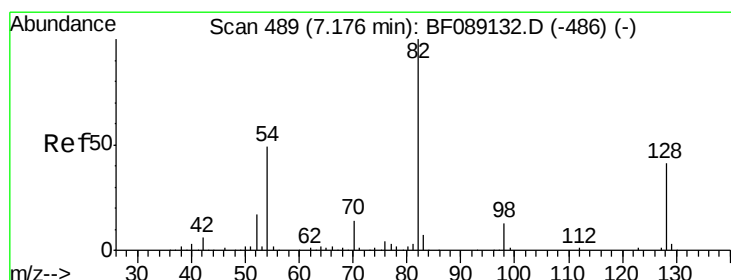
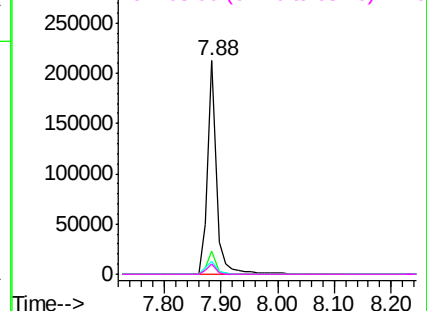
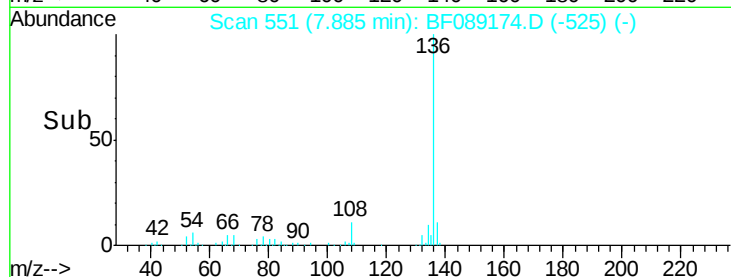
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 551
Delta R.T. 0.00 min
Lab File: BF089174.D
Acq: 21 Jul 2016 12:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	224518
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.8 13.2
54	6.1	7.0 10.4#
68	4.7	5.0 7.6#

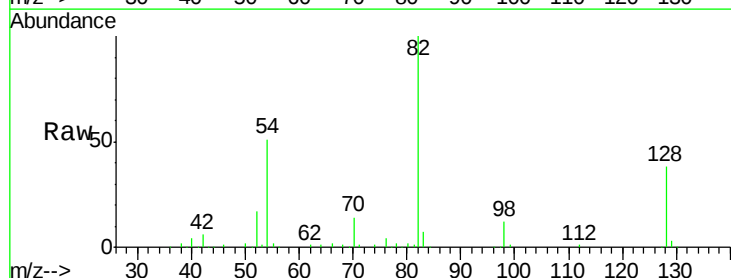


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

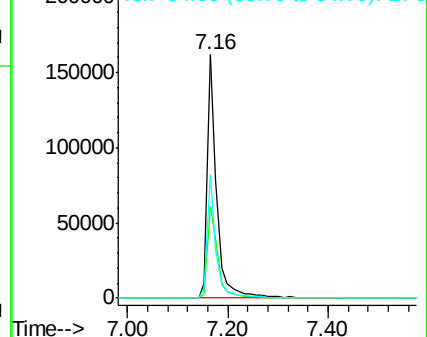
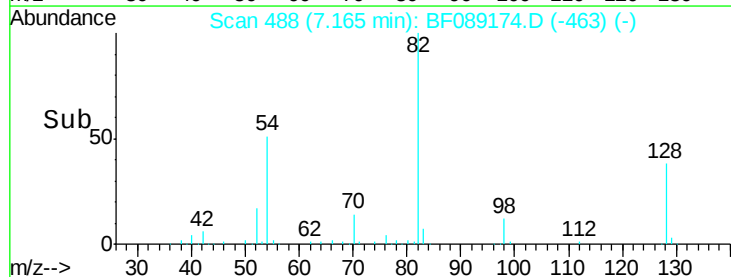


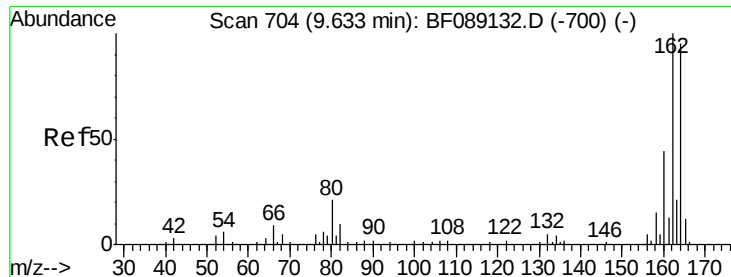
#23
Nitrobenzene-d5
Concen: 49.90 ng
RT: 7.16 min Scan# 488
Delta R.T. -0.01 min
Lab File: BF089174.D
Acq: 21 Jul 2016 12:14

Tgt Ion: 82	Resp:	210858
Ion Ratio	Lower	Upper
82	100	
128	37.7	33.0 49.6
54	50.6	39.0 58.4



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF089174.D

Acq: 21 Jul 2016 12:14

Instrument :

BNA_F

ClientSampleId :

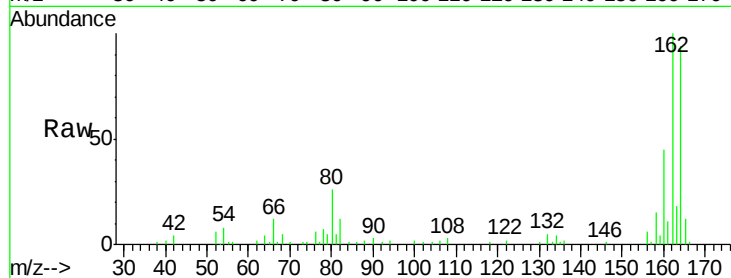
Tot Ion:164 Resp: 92275

Ion Ratio Lower Upper

164 100

162 106.6 84.1 126.1

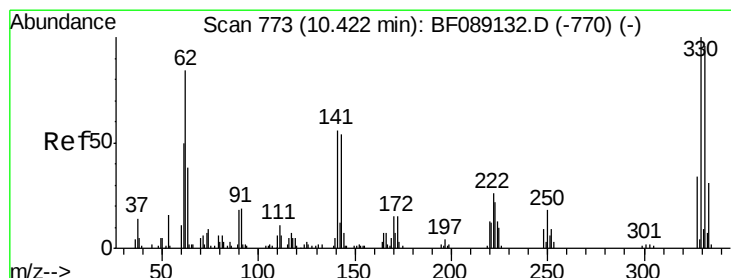
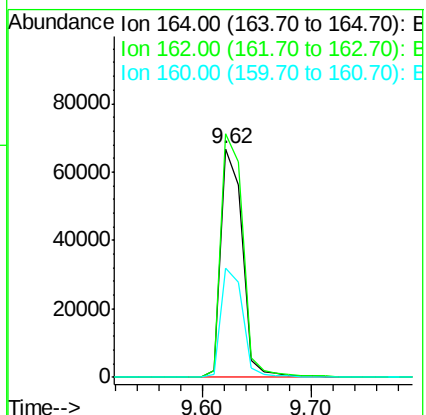
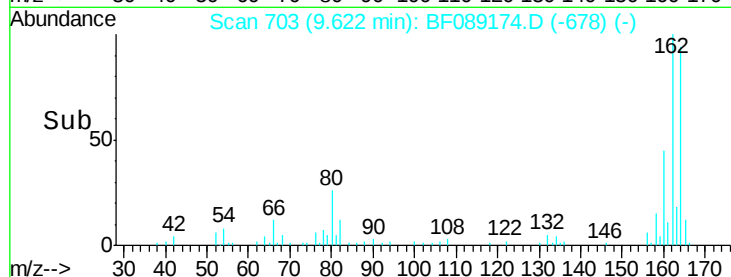
160 47.8 37.1 55.7



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: 52.44 ng

RT: 10.41 min Scan# 772

Delta R.T. -0.01 min

Lab File: BF089174.D

Acq: 21 Jul 2016 12:14

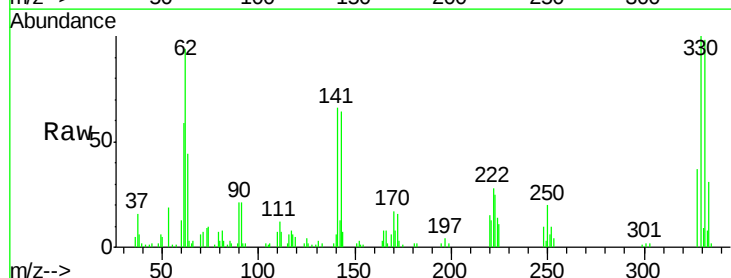
Tgt Ion:330 Resp: 43566

Ion Ratio Lower Upper

330 100

332 97.3 77.2 115.8

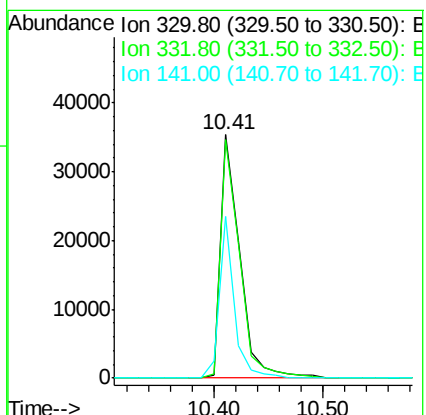
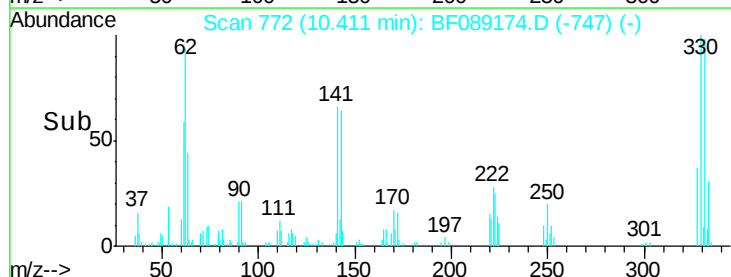
141 51.6 42.2 63.2

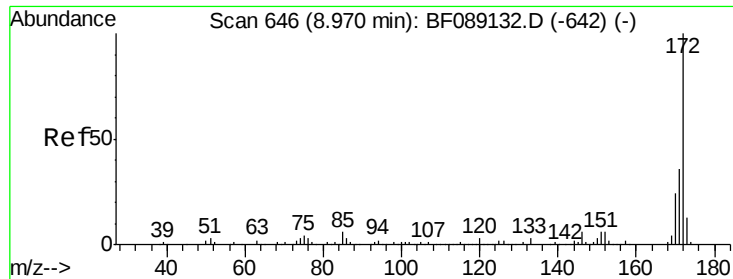


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

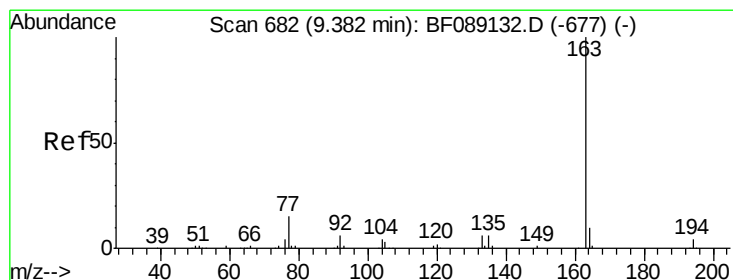
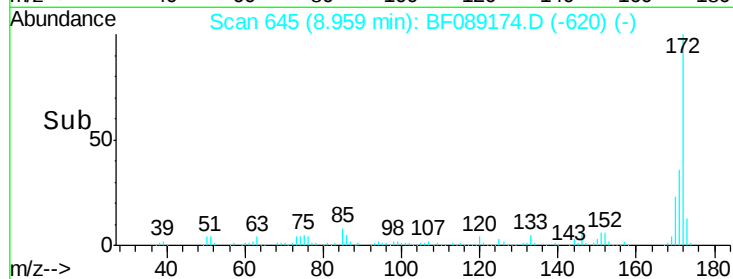
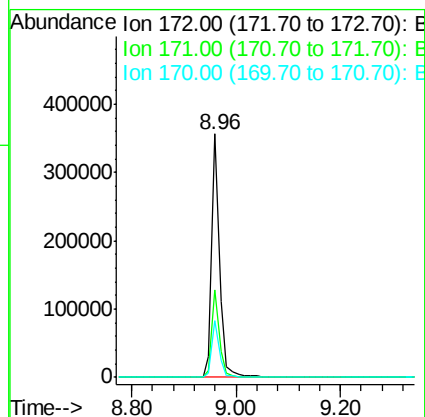
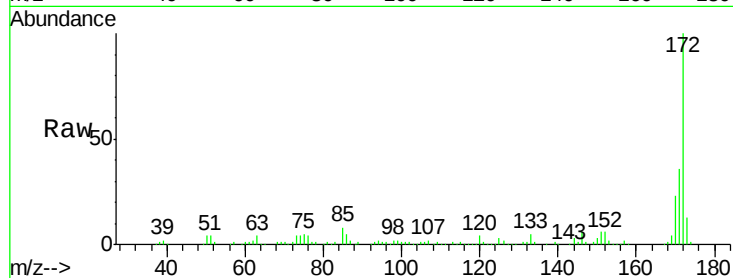




#44
2-Fluorobiphenyl
Concen: 55.21 ng
RT: 8.96 min Scan# 645
Delta R.T. -0.01 min
Lab File: BF089174.D
Acq: 21 Jul 2016 12:14

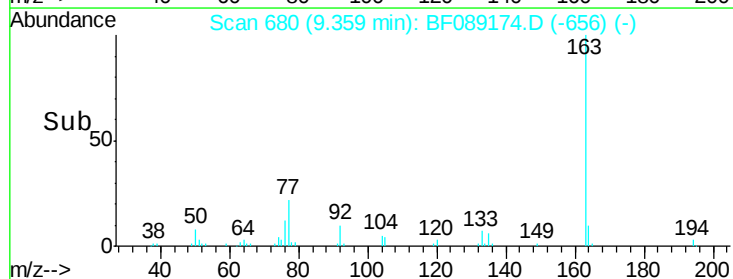
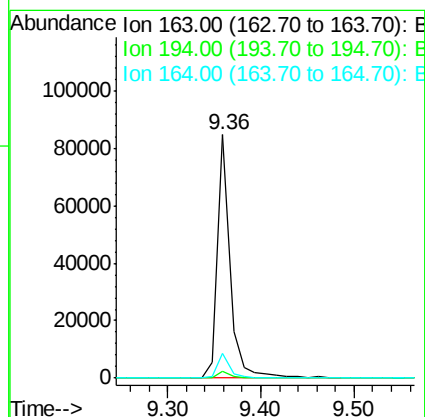
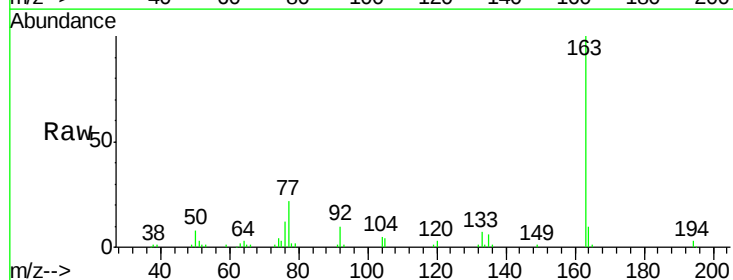
Instrument :
BNA_F
ClientSampleId :

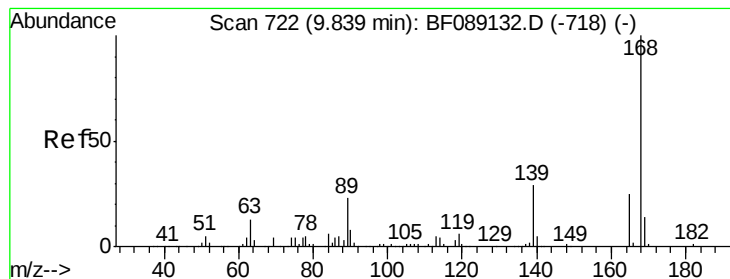
Tot Ion:172 Resp: 369756
Ion Ratio Lower Upper
172 100
171 35.8 29.2 43.8
170 23.4 19.1 28.7



#49
Dimethylphthalate
Concen: 11.26 ng
RT: 9.36 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF089174.D
Acq: 21 Jul 2016 12:14

Tgt Ion:163 Resp: 79751
Ion Ratio Lower Upper
163 100
194 3.1 2.9 4.3
164 10.4 7.6 11.4

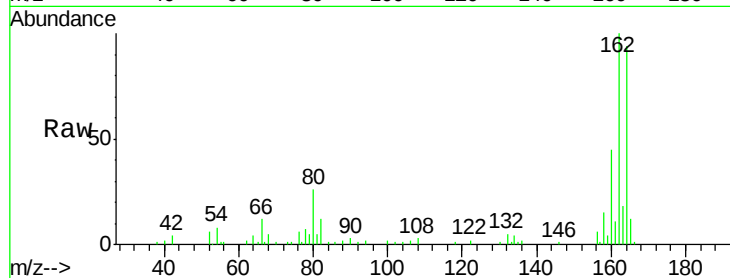




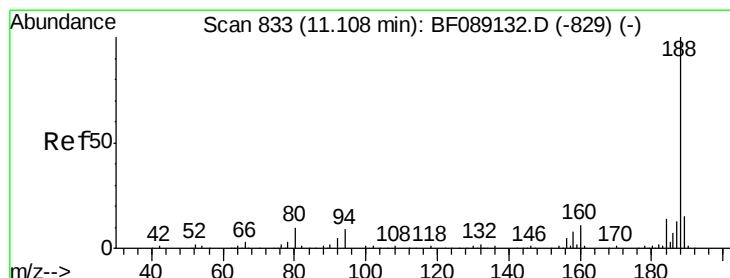
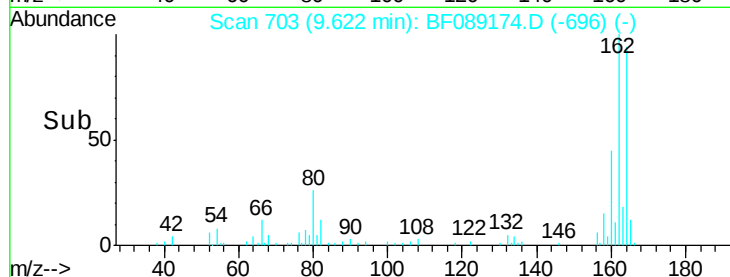
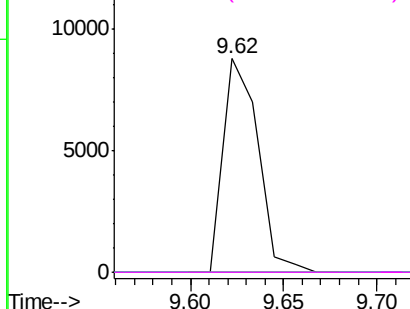
#56
 2,4-Dinitrotoluene
 Concen: 5.57 ng
 RT: 9.62 min Scan# 703
 Delta R.T. -0.22 min
 Lab File: BF089174.D
 Acq: 21 Jul 2016 12:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 11479
 Ion Ratio Lower Upper
 165 100
 63 0.0 55.4 83.2#
 89 0.0 74.3 111.5#
 182 0.0 2.0 3.0#

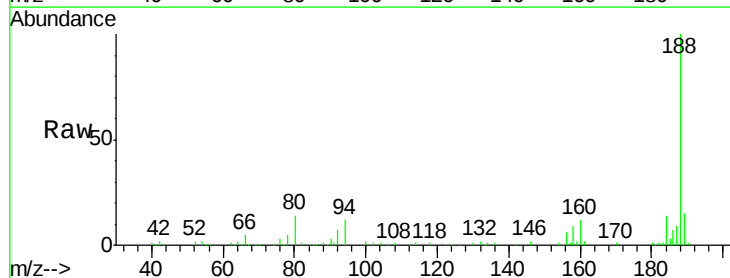


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

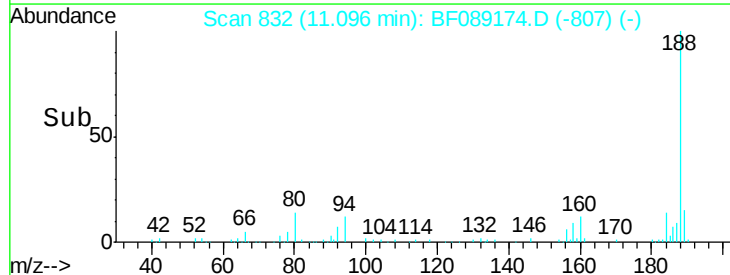
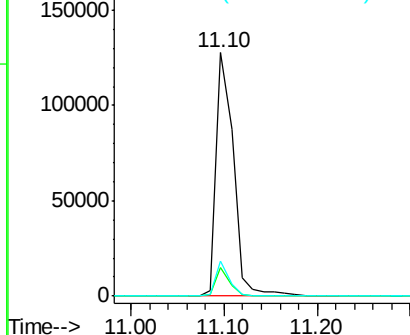


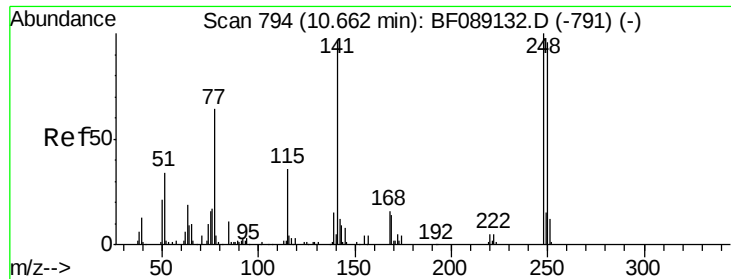
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: BF089174.D
 Acq: 21 Jul 2016 12:14

Tgt Ion:188 Resp: 163483
 Ion Ratio Lower Upper
 188 100
 94 11.9 7.0 10.4#
 80 14.3 7.7 11.5#



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

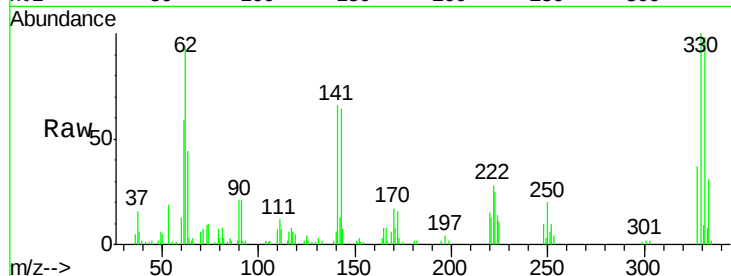




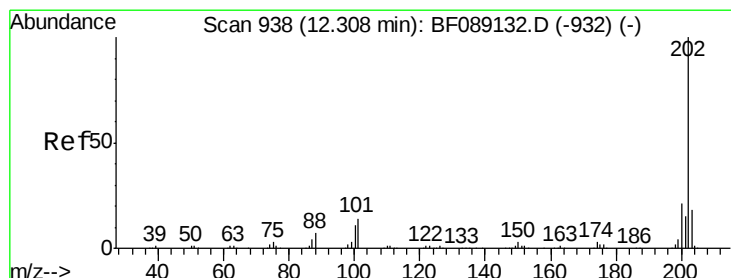
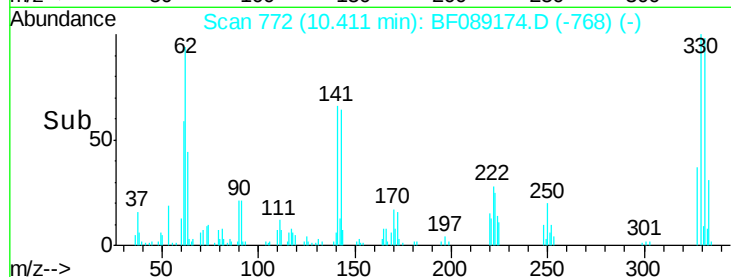
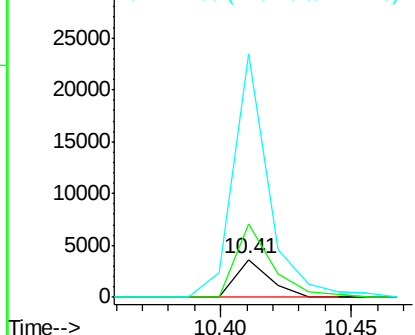
#66
4-Bromophenyl-phenylether
Concen: 2.05 ng
RT: 10.41 min Scan# 772
Delta R.T. -0.25 min
Lab File: BF089174.D
Acq: 21 Jul 2016 12:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 3313
Ion Ratio Lower Upper
248 100
250 193.0 76.9 115.3#
141 643.0 77.4 116.2#

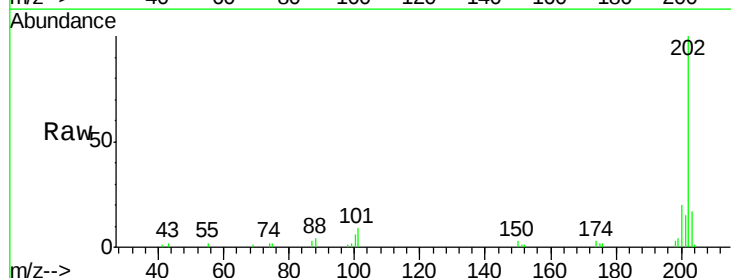


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

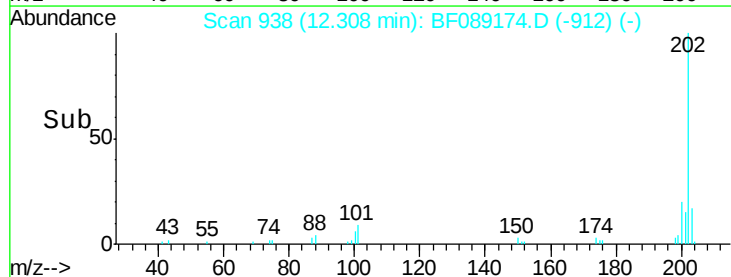
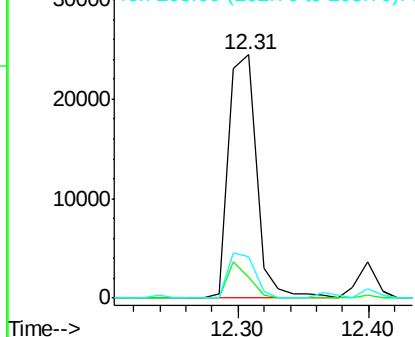


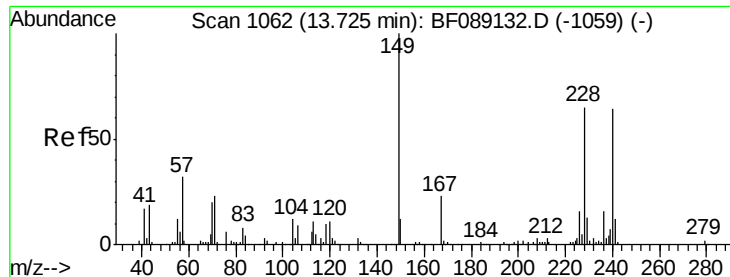
#74
Fluoranthene
Concen: 3.87 ng
RT: 12.31 min Scan# 938
Delta R.T. 0.00 min
Lab File: BF089174.D
Acq: 21 Jul 2016 12:14

Tgt Ion:202 Resp: 36502
Ion Ratio Lower Upper
202 100
101 8.6 0.0 34.0
203 17.1 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: 13.71 min Scan# 1061

Delta R.T. -0.01 min

Lab File: BF089174.D

Acq: 21 Jul 2016 12:14

Instrument :

BNA_F

ClientSampleId :

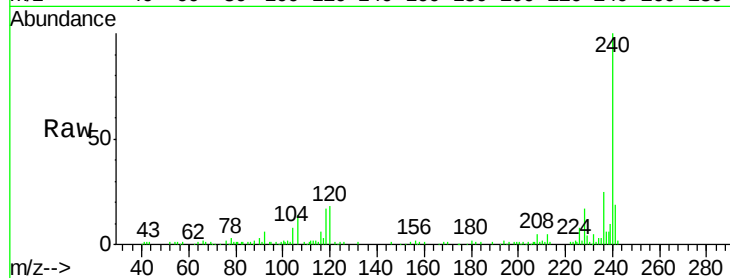
Tot Ion:240 Resp: 104569

Ion Ratio Lower Upper

240 100

120 17.8 13.6 20.4

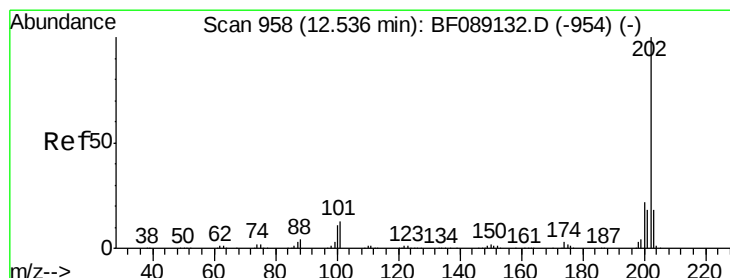
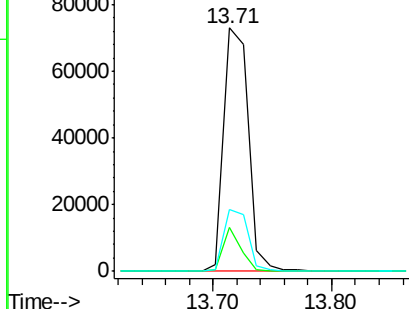
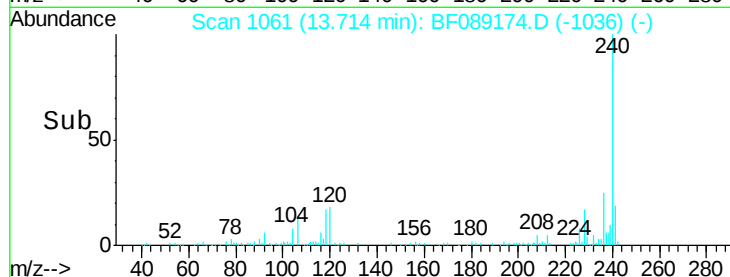
236 25.4 20.5 30.7



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: 3.81 ng

RT: 12.53 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF089174.D

Acq: 21 Jul 2016 12:14

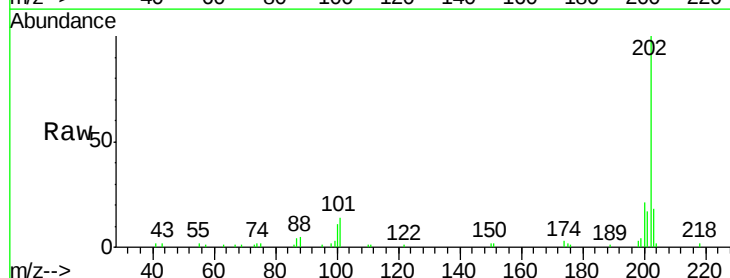
Tgt Ion:202 Resp: 32881

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.0

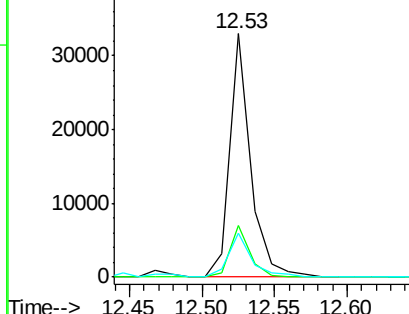
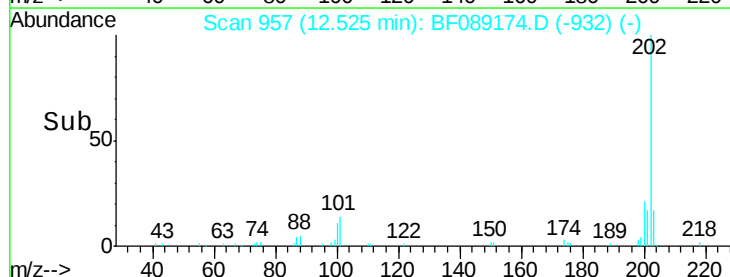
203 18.1 14.2 21.2

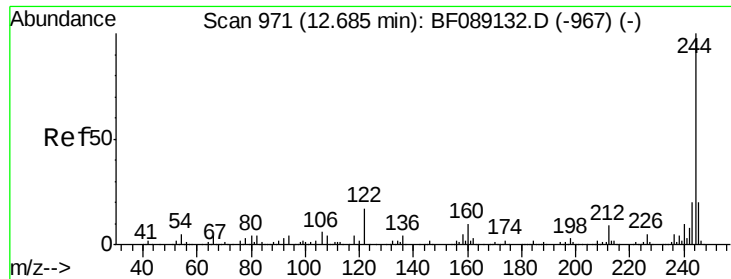


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

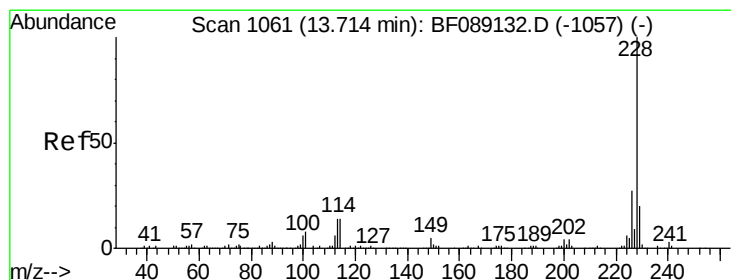
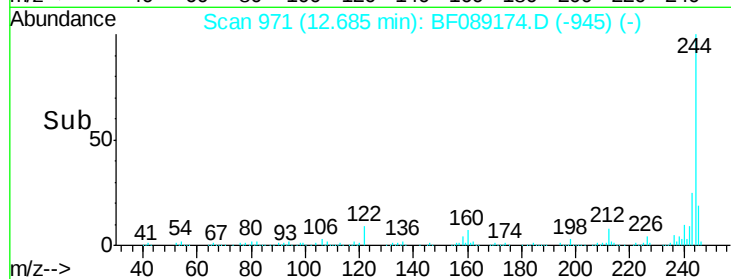
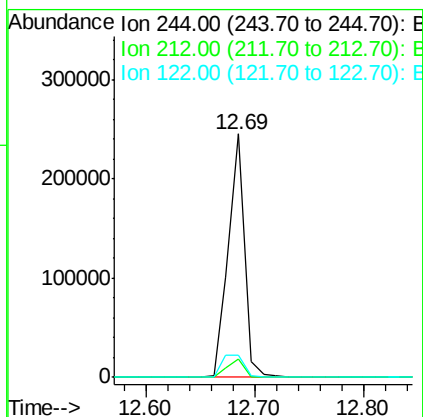
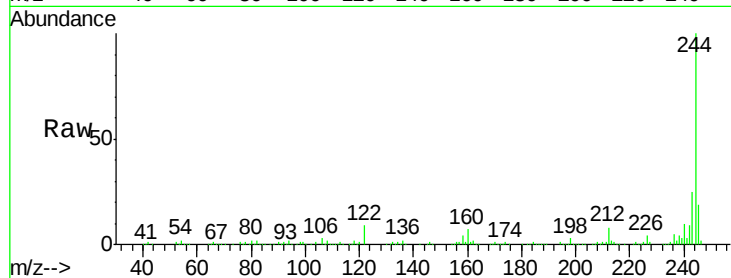




#78
 Terphenyl-d14
 Concen: 52.67 ng
 RT: 12.69 min Scan# 971
 Delta R.T. 0.00 min
 Lab File: BF089174.D
 Acq: 21 Jul 2016 12:14

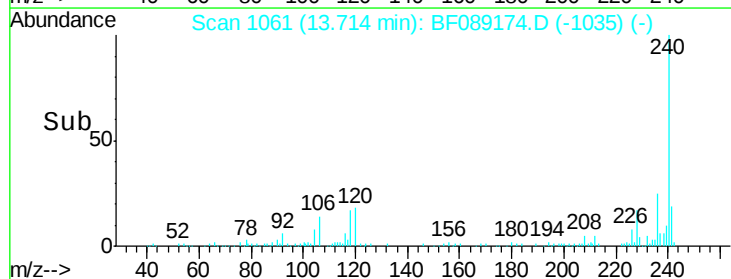
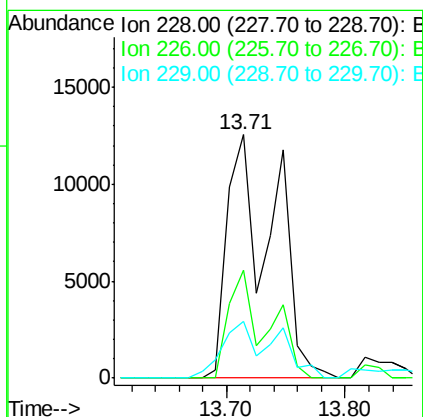
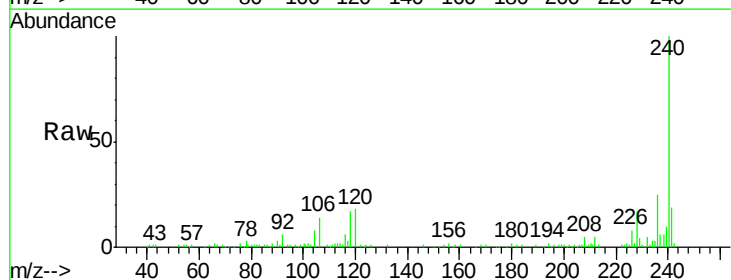
Instrument :
 BNA_F
 ClientSampleId :

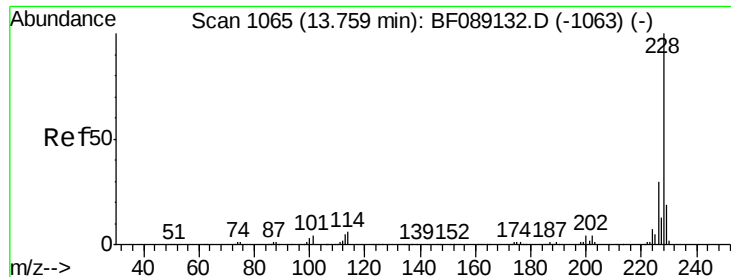
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	7.0	10.4
122	9.1	13.8	20.8



#80
 Benzo(a)anthracene
 Concen: 5.04 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: BF089174.D
 Acq: 21 Jul 2016 12:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	44.1	21.8	32.8
229	23.4	15.8	23.8





#82

Chrysene

Concen: 5.28 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.05 min

Lab File: BF089174.D

Acq: 21 Jul 2016 12:14

Instrument :

BNA_F

ClientSampleId :

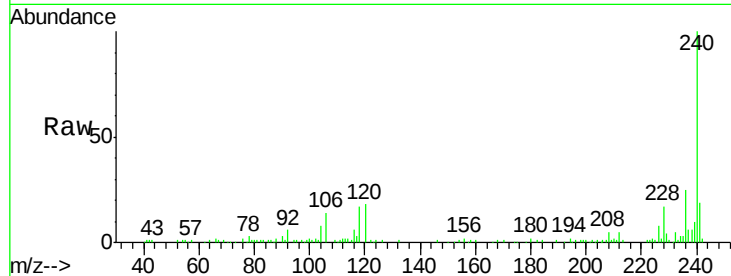
Tot Ion:228 Resp: 33578

Ion Ratio Lower Upper

228 100

226 44.1 23.8 35.8#

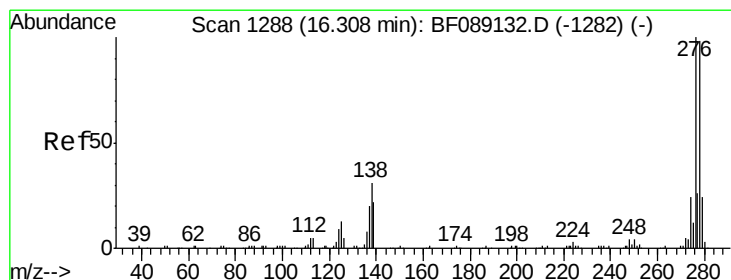
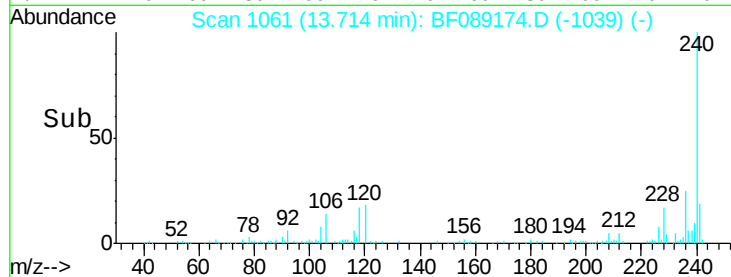
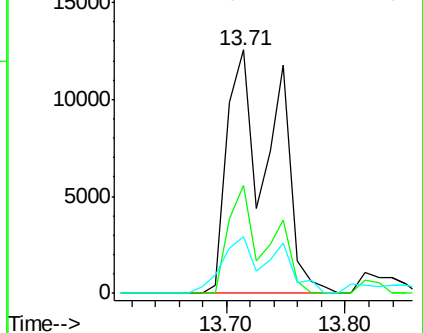
229 23.4 15.4 23.0#



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: 2.61 ng

RT: 16.29 min Scan# 1286

Delta R.T. -0.02 min

Lab File: BF089174.D

Acq: 21 Jul 2016 12:14

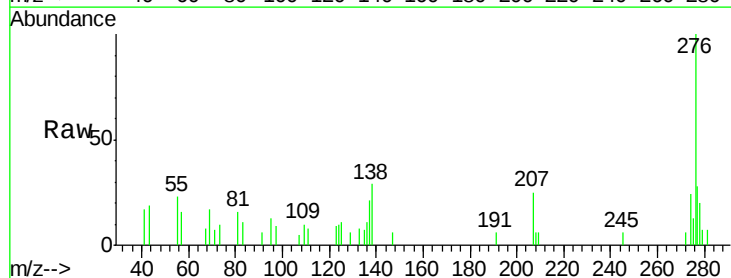
Tgt Ion:276 Resp: 12073

Ion Ratio Lower Upper

276 100

138 25.6 23.7 35.5

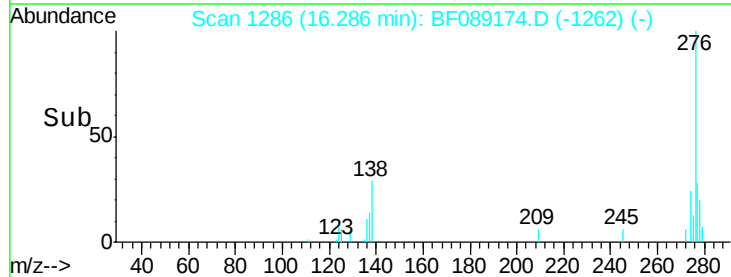
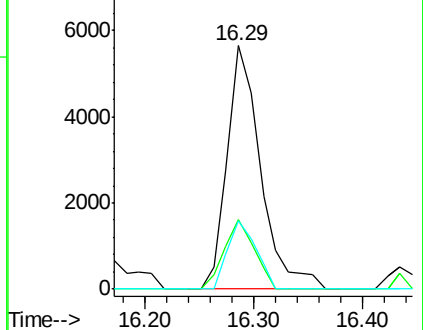
277 23.6 20.6 31.0

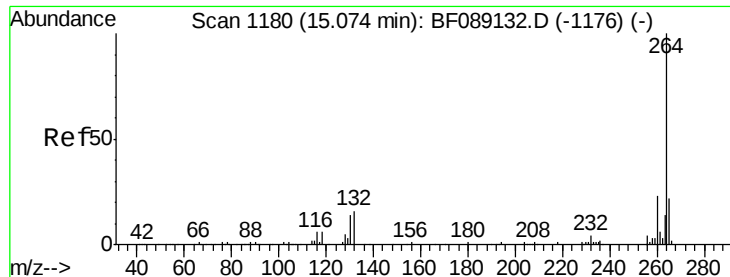


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

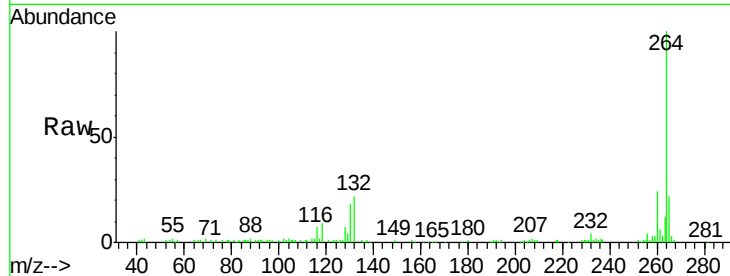




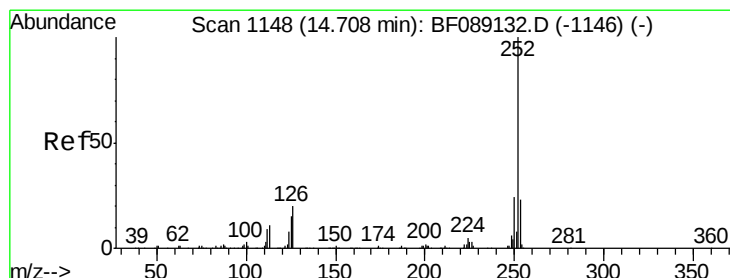
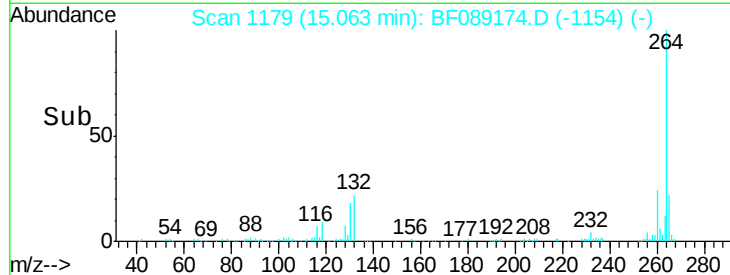
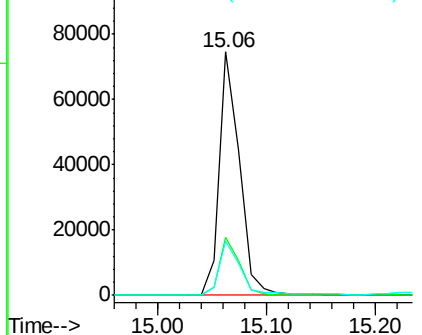
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.06 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BF089174.D
Acq: 21 Jul 2016 12:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 96866
Ion Ratio Lower Upper
264 100
260 23.9 18.5 27.7
265 22.2 17.3 25.9

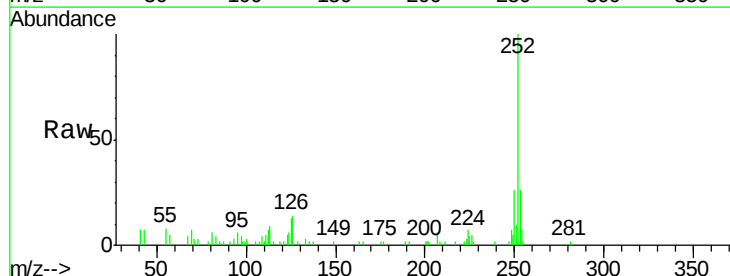


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

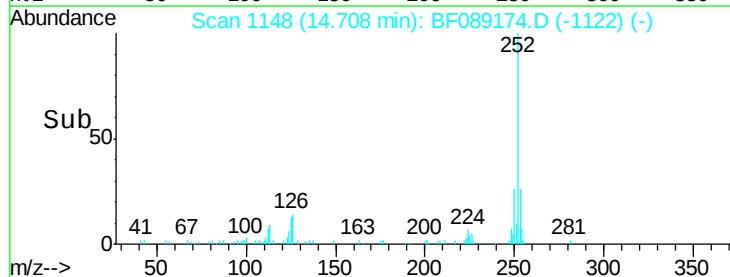
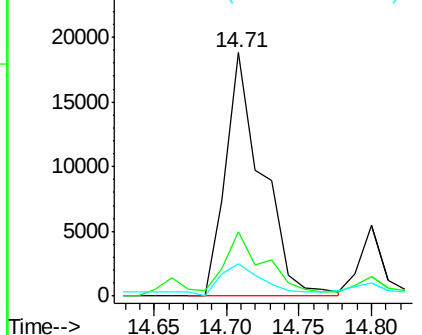


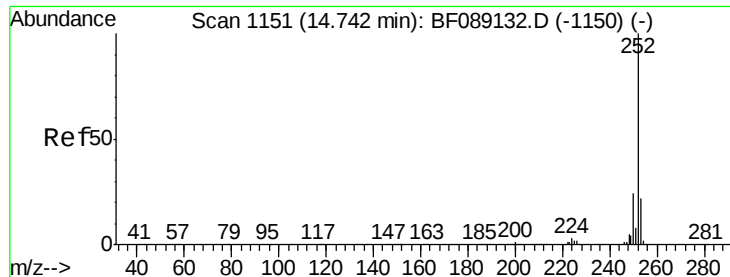
#87
Benzo(b)fluoranthene
Concen: 4.68 ng
RT: 14.71 min Scan# 1148
Delta R.T. 0.00 min
Lab File: BF089174.D
Acq: 21 Jul 2016 12:14

Tgt Ion:252 Resp: 32854
Ion Ratio Lower Upper
252 100
253 26.2 18.2 27.2
125 13.2 11.9 17.9



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

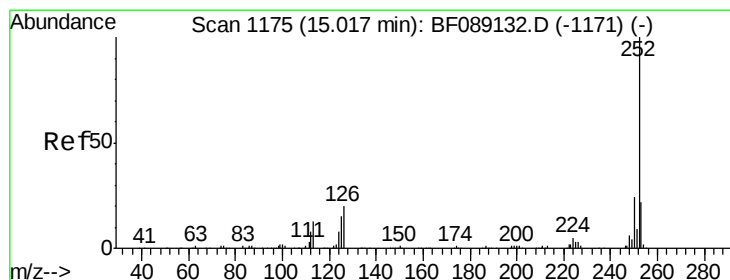
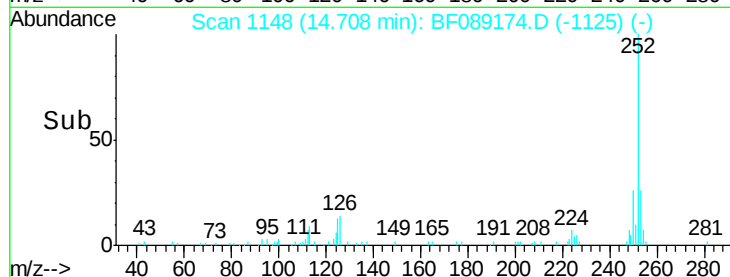
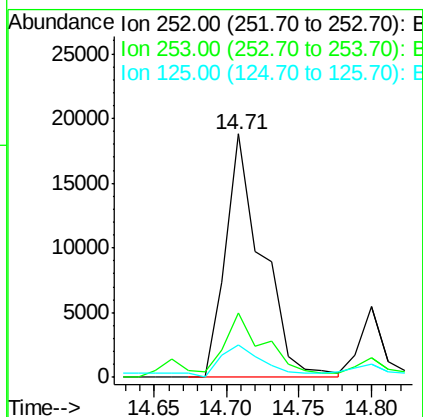
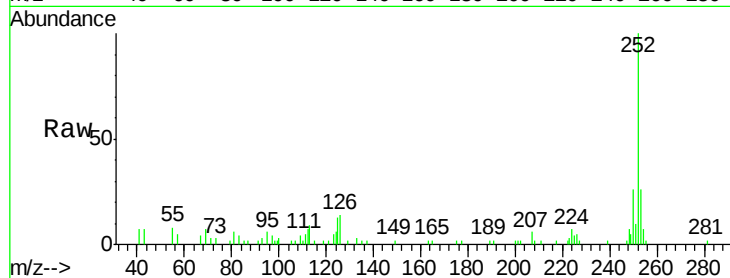




#88
Benzo(k)fluoranthene
Concen: 6.55 ng
RT: 14.71 min Scan# 1148
Delta R.T. -0.03 min
Lab File: BF089174.D
Acq: 21 Jul 2016 12:14

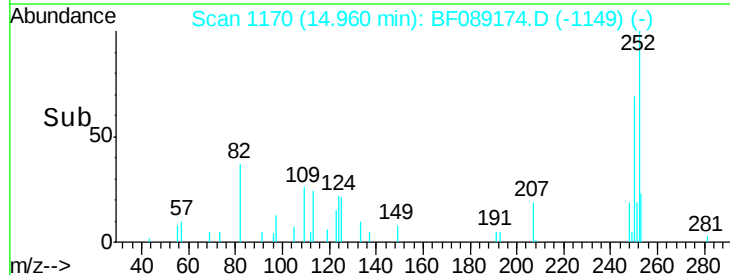
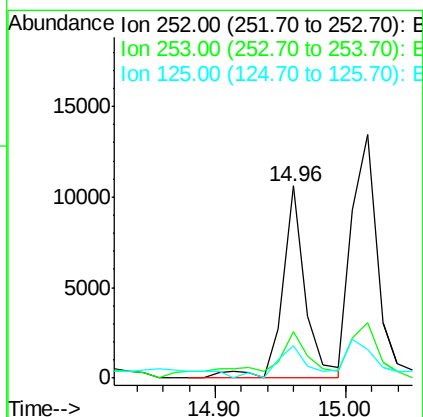
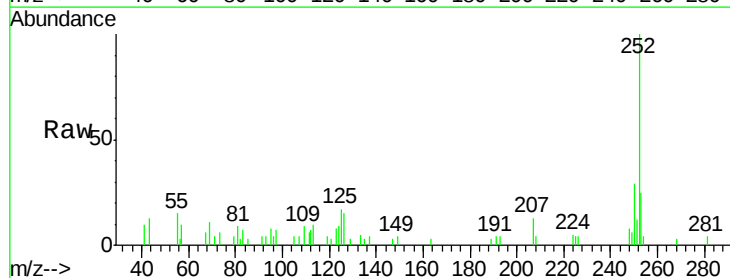
Instrument :
BNA_F
ClientSampled :

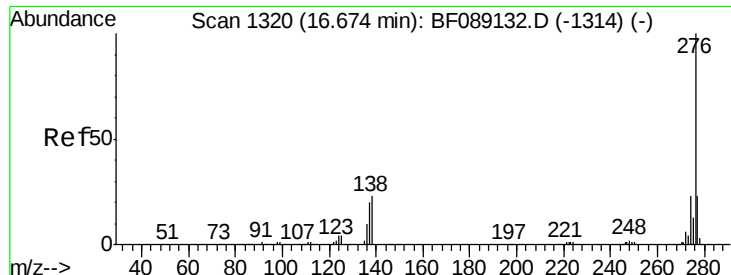
Tot Ion:252 Resp: 32854
Ion Ratio Lower Upper
252 100
253 26.2 17.3 25.9#
125 13.2 6.3 9.5#



#89
Benzo(a)pyrene
Concen: 2.40 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.06 min
Lab File: BF089174.D
Acq: 21 Jul 2016 12:14

Tgt Ion:252 Resp: 13069
Ion Ratio Lower Upper
252 100
253 24.5 17.4 26.0
125 16.8 12.4 18.6





#91

Benzo(a,h,i)perylene

Concen: 2.54 ng

RT: 16.65 min Scan# 1318

Delta R.T. -0.02 min

Lab File: BF089174.D

Acq: 21 Jul 2016 12:14

Instrument :

BNA_F

ClientSampleId :

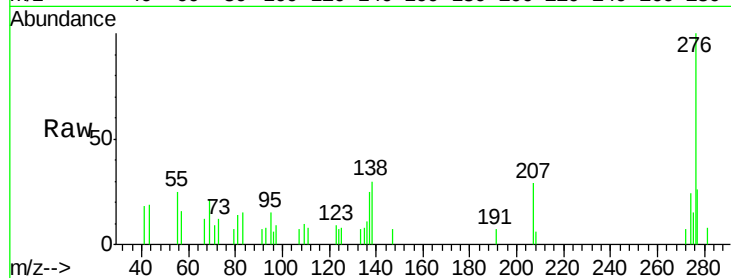
Tot Ion: 276 Resp: 10993

Ion Ratio Lower Upper

276 100

277 26.3 18.5 27.7

138 29.7 18.5 27.7#



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

