

Data Path : Z:\HPCHEM1\BNA F\Data\BF103116\
 Data File : BF090939.D
 Acq On : 31 Oct 2016 20:16
 Operator : UM/SJ
 Sample : H5463-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 01 10:37:34 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 28 15:18:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.750	152	130577	20.00	ng	-0.01
21) Naphthalene-d8	8.030	136	587204	20.00	ng	-0.02
38) Acenaphthene-d10	9.779	164	294469	20.00	ng	-0.03
63) Phenanthrene-d10	11.265	188	504181	20.00	ng	-0.02
75) Chrysene-d12	13.894	240	307337	20.00	ng	-0.03
86) Perylene-d12	15.300	264	278591	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.344	112	974306	130.46	ng	-0.01
7) Phenol-d6	6.385	99	1185668	117.68	ng	-0.03
23) Nitrobenzene-d5	7.310	82	675918	75.35	ng	-0.02
41) 2,4,6-Tribromophenol	10.579	330	261256	86.33	ng	-0.02
44) 2-Fluorobiphenyl	9.116	172	1193290	71.16	ng	-0.02
78) Terphenyl-d14	12.854	244	1148608	94.16	ng	-0.02

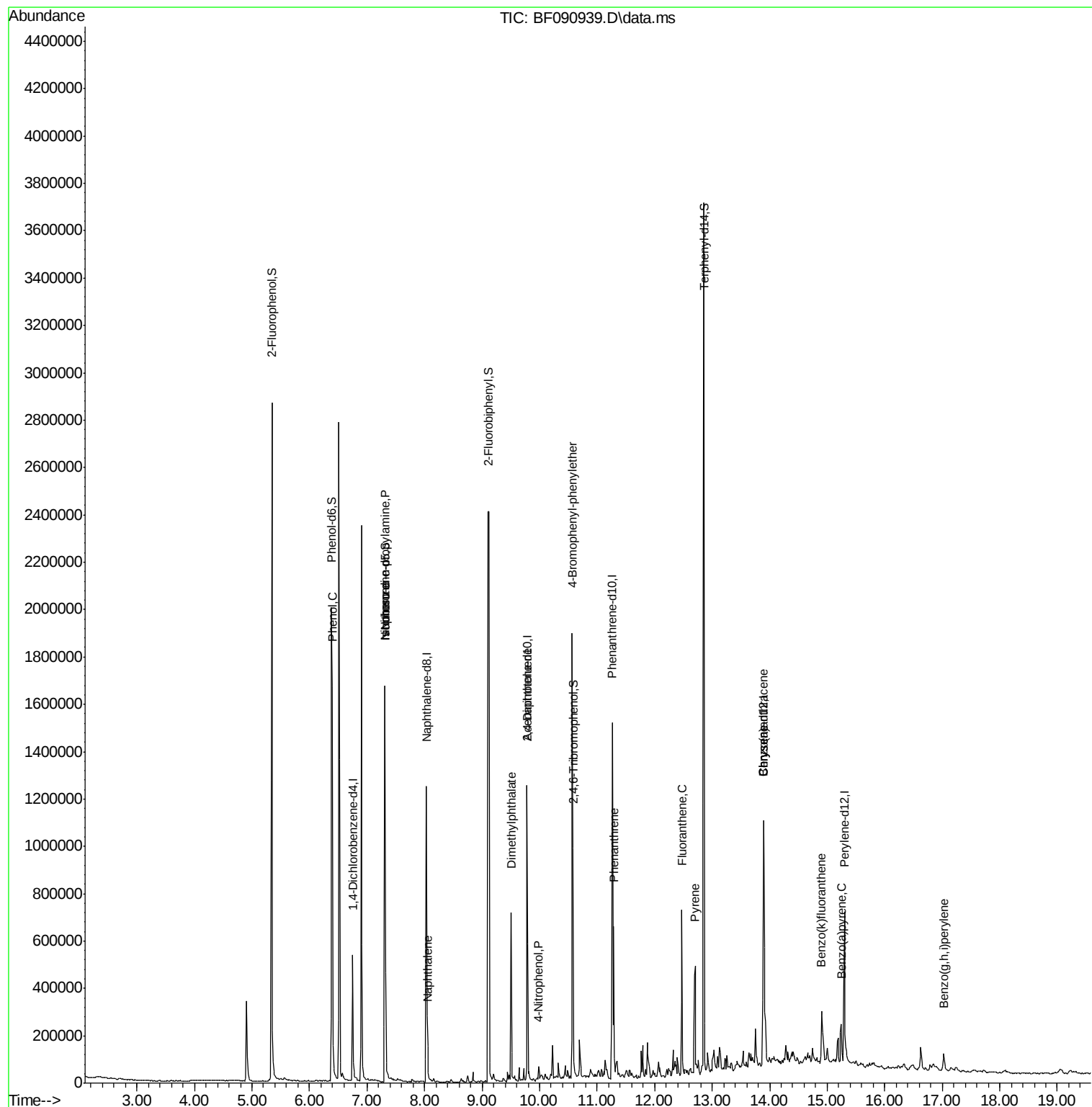
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.396	94	37071	3.34	ng	# 1
19) n-Nitroso-di-n-propyla...	7.310	70	88711	15.23	ng	# 51
25) Isophorone	7.310	82	593083	32.58	ng	# 58
31) Naphthalene	8.053	128	61435	2.24	ng	# 99
49) Dimethylphthalate	9.505	163	254320	12.93	ng	# 97
55) 4-Nitrophenol	9.985	139	6688	2.37	ng	# 25
56) 2,4-Dinitrotoluene	9.779	165	38478	7.13	ng	# 34
66) 4-Bromophenyl-phenylether	10.568	248	16708	3.03	ng	# 1
70) Phenanthrene	11.288	178	216715	8.44	ng	# 97
74) Fluoranthene	12.477	202	304710	10.84	ng	# 91
77) Pyrene	12.705	202	253401	13.03	ng	# 96
80) Benzo(a)anthracene	13.894	228	125652	7.70	ng	# 89
82) Chrysene	13.894	228	125652	7.62	ng	# 91
88) Benzo(k)fluoranthene	14.900	252	158678	10.72	ng	# 95
89) Benzo(a)pyrene	15.243	252	87848	5.46	ng	# 87
91) Benzo(g,h,i)perylene	17.026	276	51997	4.05	ng	# 83

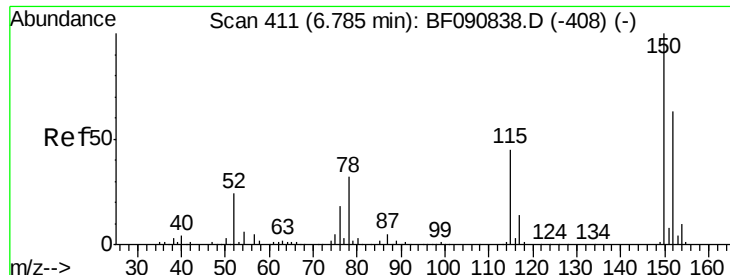
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.750 min Scan# 40

Delta R.T. -0.011 min

Lab File: BF090939.D

Acq: 31 Oct 2016 20:16

Instrument :

BNA_F

ClientSampleId :

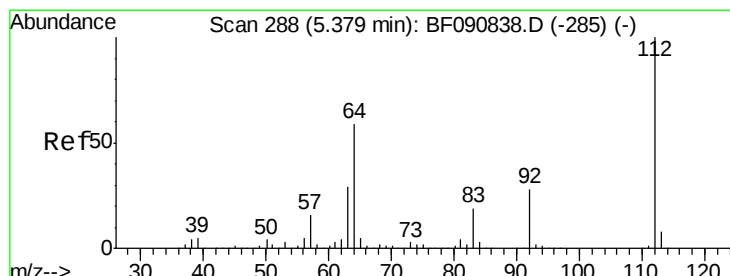
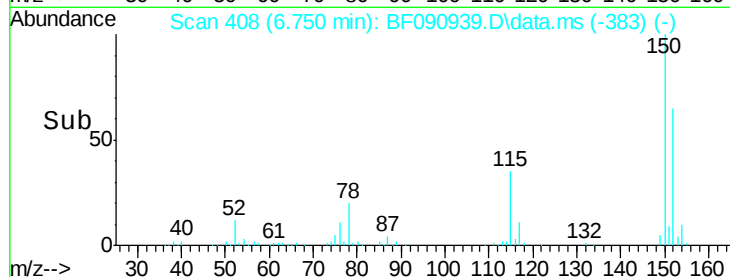
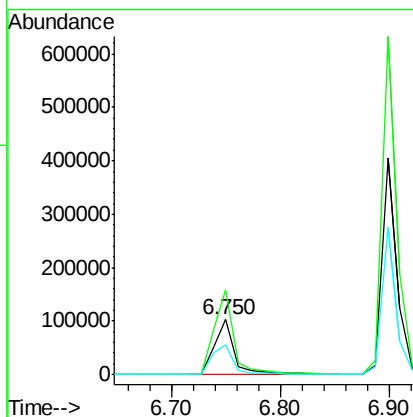
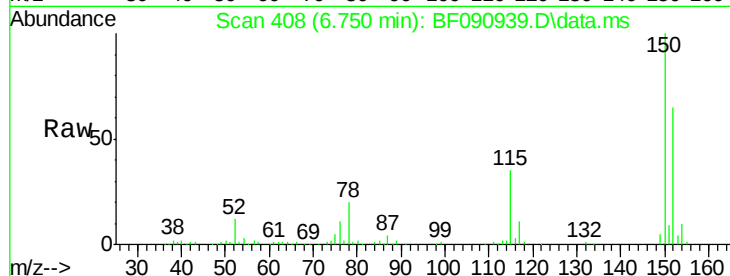
Tot Ion:152 Resp: 130577

Ion Ratio Lower Upper

152 100

150 153.6 124.7 187.1

115 53.3 39.0 58.4



#5

2-Fluorophenol

Concen: 130.46 ng

RT: 5.344 min Scan# 285

Delta R.T. -0.011 min

Lab File: BF090939.D

Acq: 31 Oct 2016 20:16

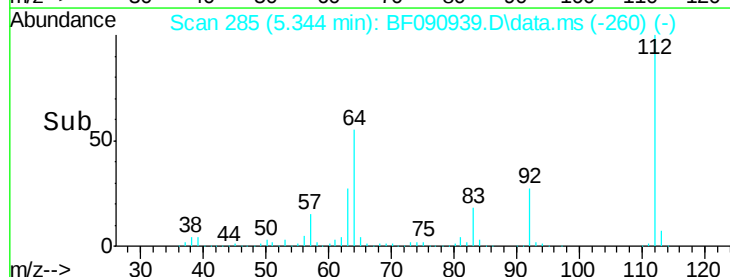
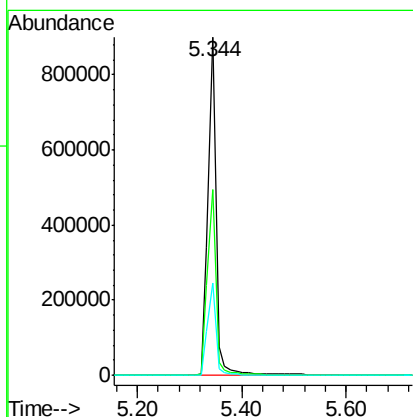
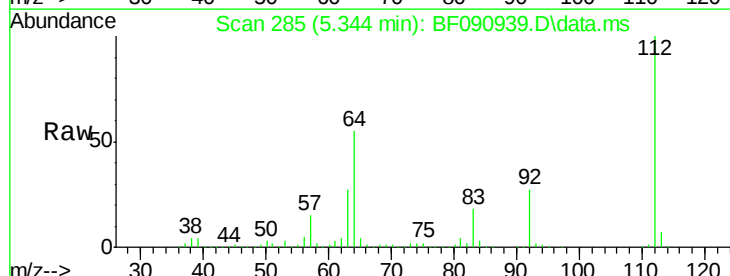
Tgt Ion:112 Resp: 974306

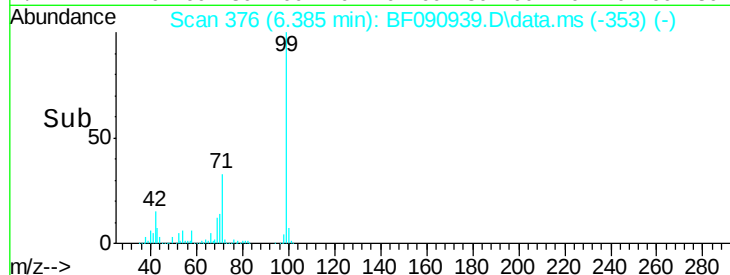
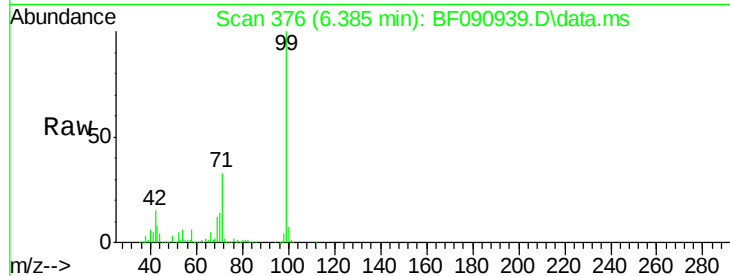
Ion Ratio Lower Upper

112 100

64 54.8 39.7 59.5

63 27.3 17.4 26.0#





#7

Phenol-d6

Concen: 117.68 ng

RT: 6.385 min Scan# 37

Delta R.T. -0.034 min

Lab File: BF090939.D

Acq: 31 Oct 2016 20:16

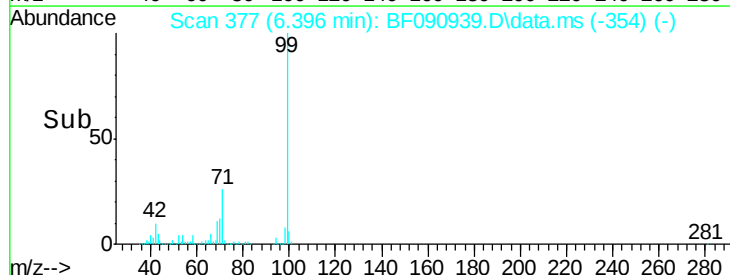
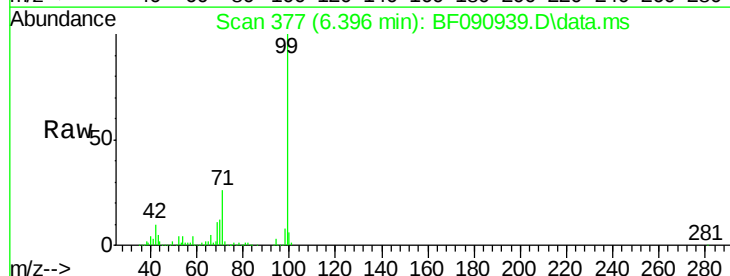
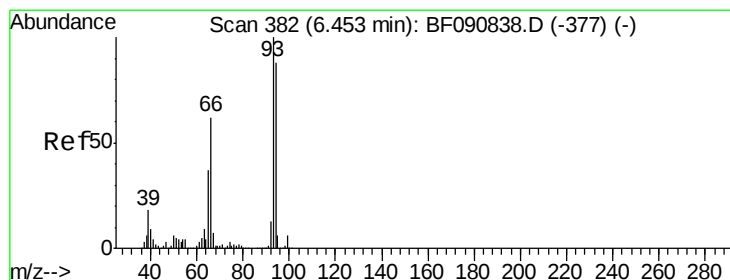
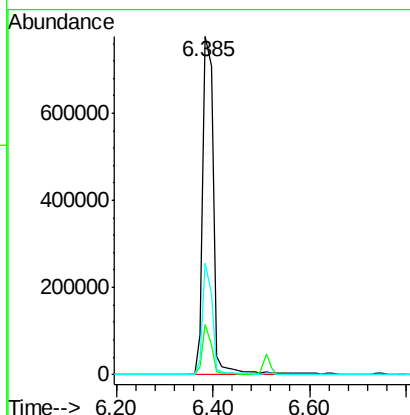
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1185668

Ion	Ratio	Lower	Upper
99	100		
42	14.9	13.7	20.5
71	33.0	14.2	21.2#



#10

Phenol

Concen: 3.34 ng

RT: 6.396 min Scan# 377

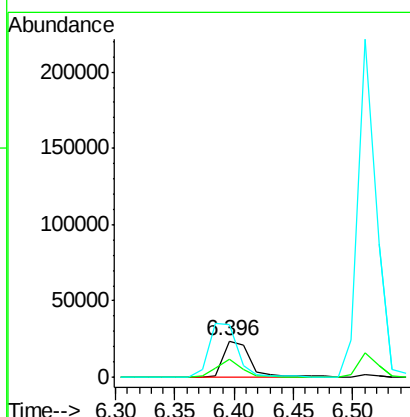
Delta R.T. -0.034 min

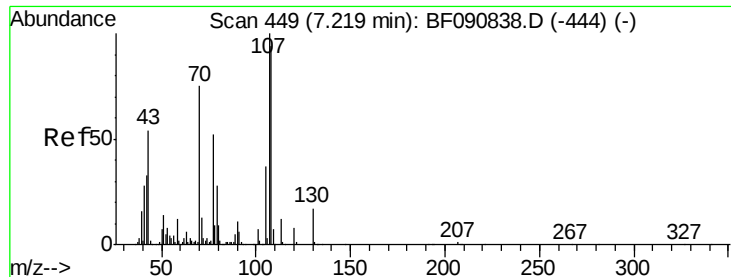
Lab File: BF090939.D

Acq: 31 Oct 2016 20:16

Tgt Ion: 94 Resp: 37071

Ion	Ratio	Lower	Upper
94	100		
65	49.4	0.7	40.7#
66	145.5	0.8	40.8#

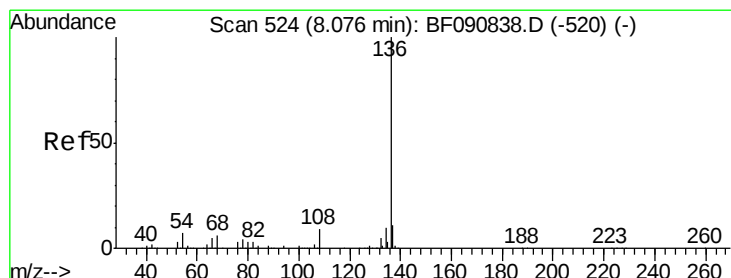
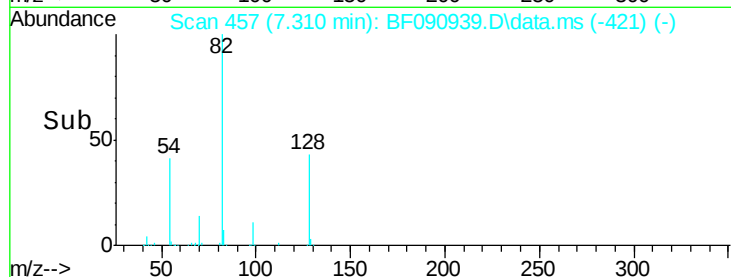
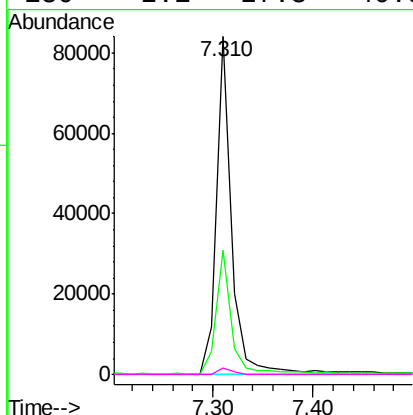
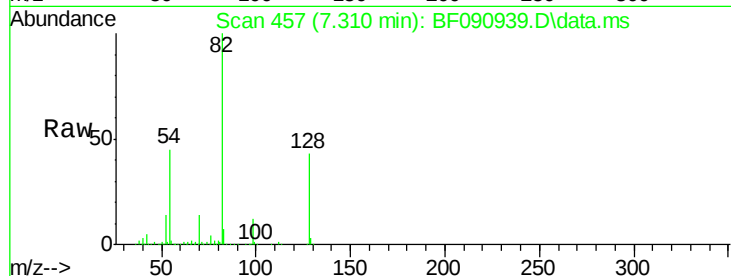




#19
n-Nitroso-di-n-propylamine
Concen: 15.23 ng
RT: 7.310 min Scan# 45
Delta R.T. 0.115 min
Lab File: BF090939.D
Acq: 31 Oct 2016 20:16

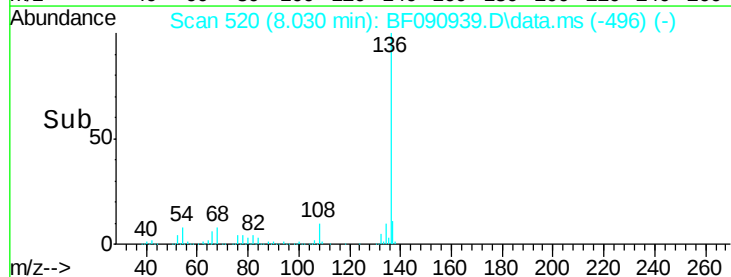
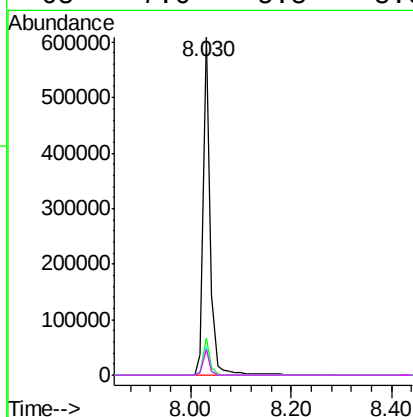
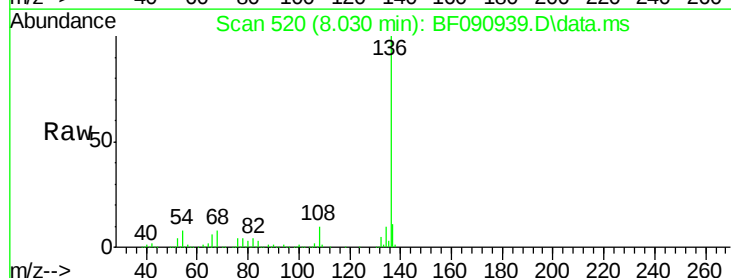
Instrument :
BNA_F
ClientSampleId :

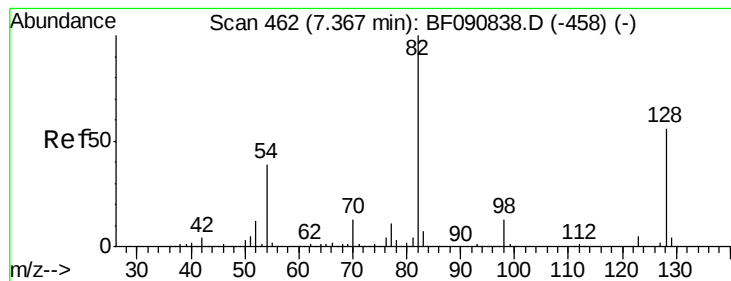
Tot Ion: 70 Resp: 88711
Ion Ratio Lower Upper
70 100
42 36.8 63.8 95.6#
101 0.0 9.2 13.8#
130 2.1 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.030 min Scan# 520
Delta R.T. -0.023 min
Lab File: BF090939.D
Acq: 31 Oct 2016 20:16

Tgt Ion: 136 Resp: 587204
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 8.5 8.2 12.2
68 7.6 5.8 8.6





#23

Nitrobenzene-d5

Concen: 75.35 ng

RT: 7.310 min Scan# 457

Delta R.T. -0.023 min

Lab File: BF090939.D

Acq: 31 Oct 2016 20:16

Instrument :

BNA_F

ClientSampled :

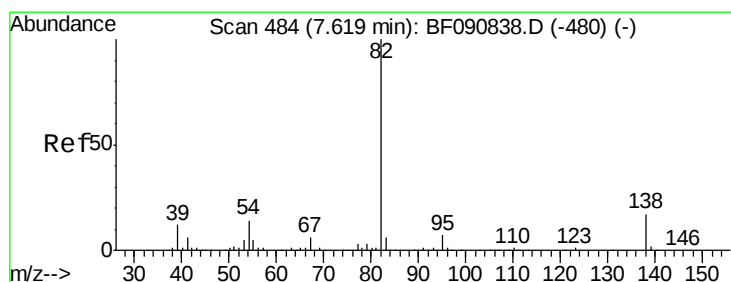
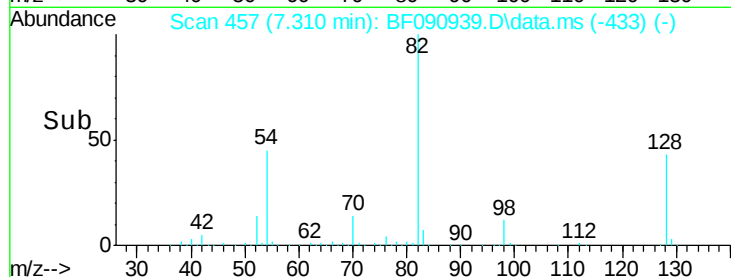
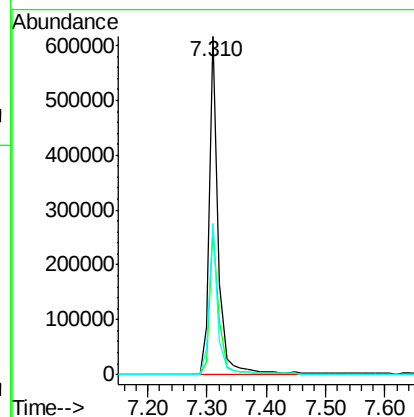
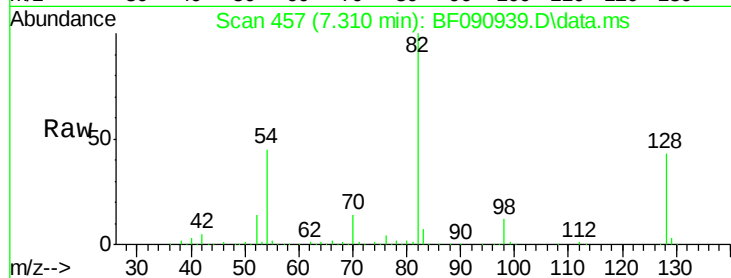
Tot Ion: 82 Resp: 675918

Ion Ratio Lower Upper

82 100

128 42.8 51.0 76.6#

54 44.8 47.5 71.3#



#25

Isophorone

Concen: 32.58 ng

RT: 7.310 min Scan# 457

Delta R.T. -0.285 min

Lab File: BF090939.D

Acq: 31 Oct 2016 20:16

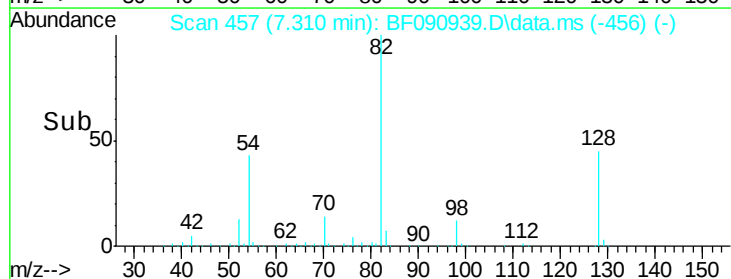
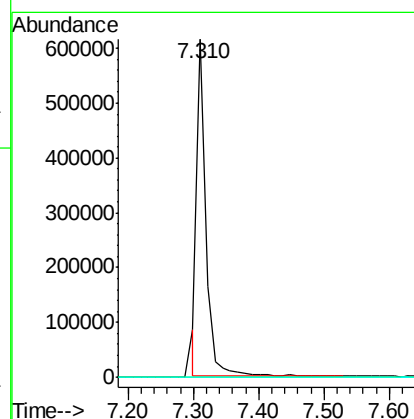
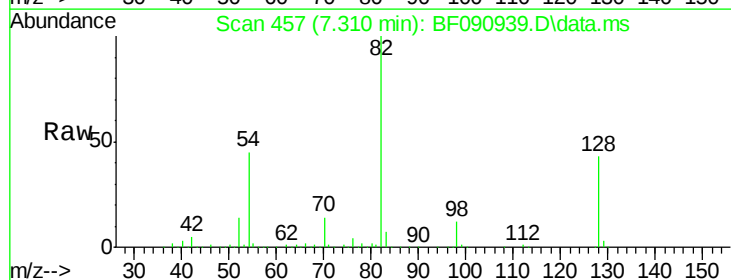
Tgt Ion: 82 Resp: 593083

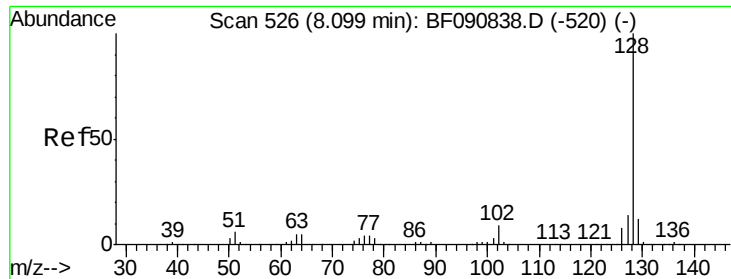
Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

138 0.0 18.3 27.5#





#31

Naphthalene

Concen: 2.24 ng

RT: 8.053 min Scan# 52

Delta R.T. -0.023 min

Lab File: BF090939.D

Acq: 31 Oct 2016 20:16

Instrument :

BNA_F

ClientSampleId :

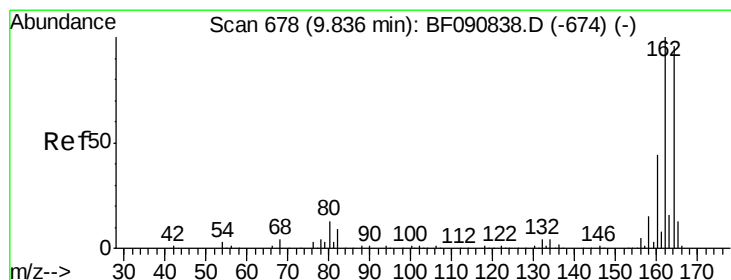
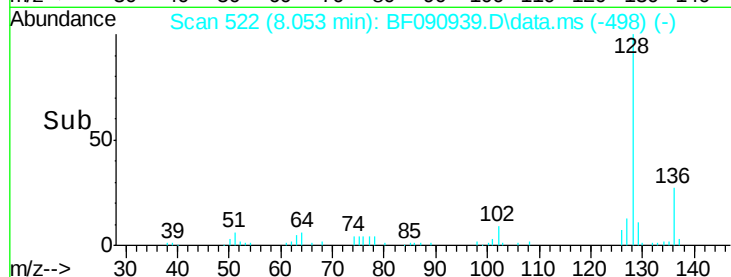
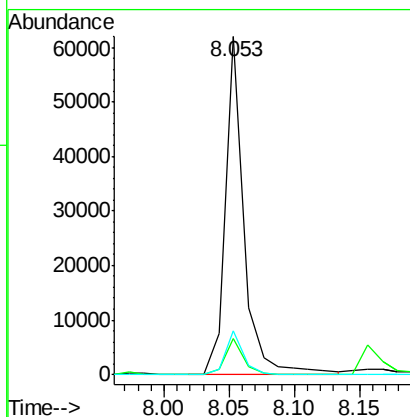
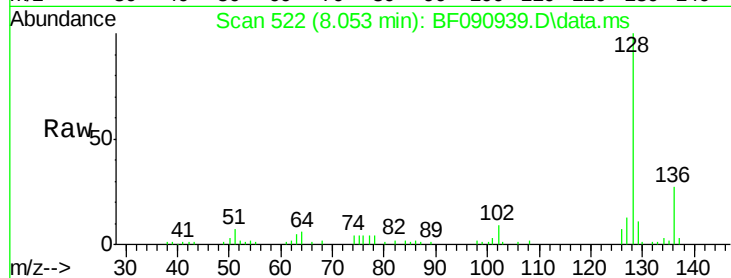
Tot Ion:128 Resp: 61435

Ion Ratio Lower Upper

128 100

129 10.7 8.4 12.6

127 13.0 9.9 14.9



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.779 min Scan# 673

Delta R.T. -0.034 min

Lab File: BF090939.D

Acq: 31 Oct 2016 20:16

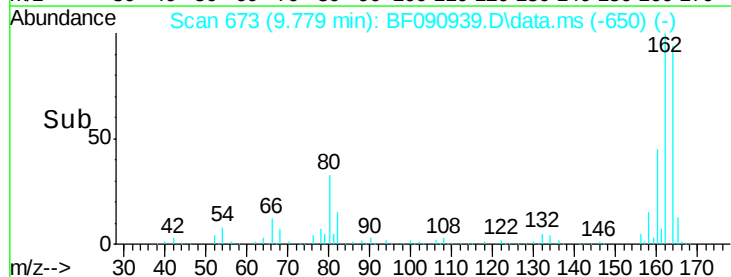
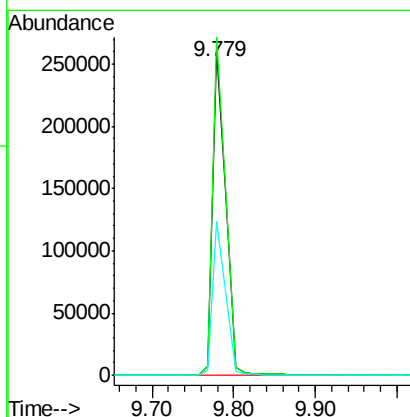
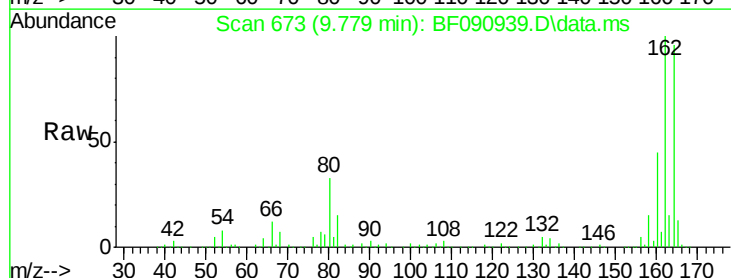
Tgt Ion:164 Resp: 294469

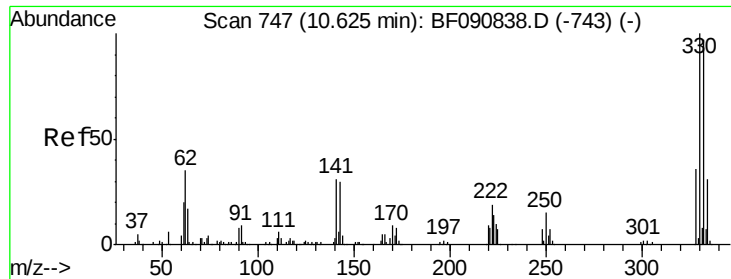
Ion Ratio Lower Upper

164 100

162 104.4 75.2 112.8

160 47.4 31.5 47.3#

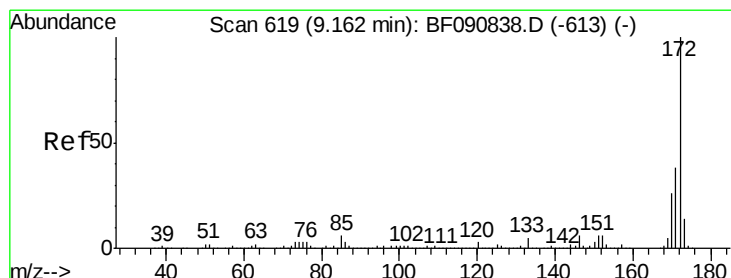
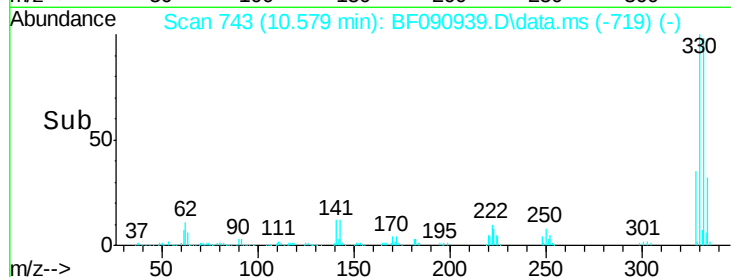
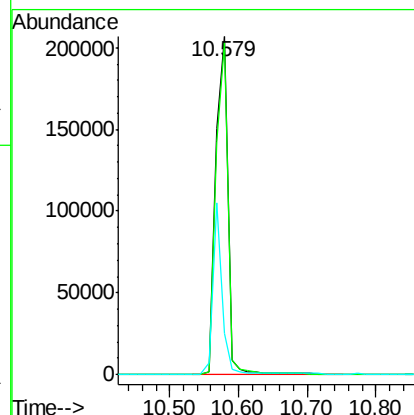
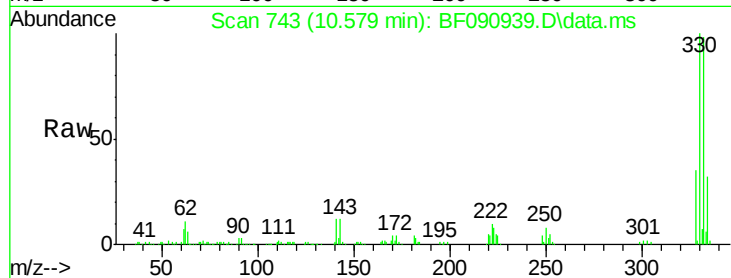




#41
 2,4,6-Tribromophenol
 Concen: 86.33 ng
 RT: 10.579 min Scan# 74
 Delta R.T. -0.023 min
 Lab File: BF090939.D
 Acq: 31 Oct 2016 20:16

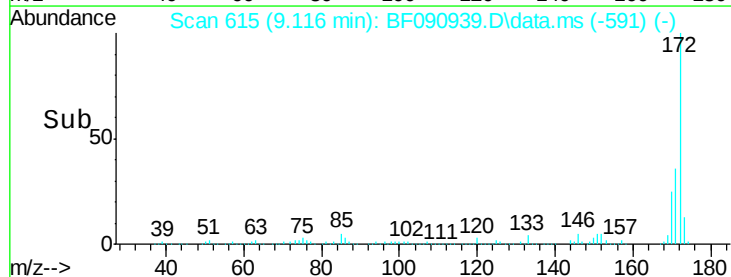
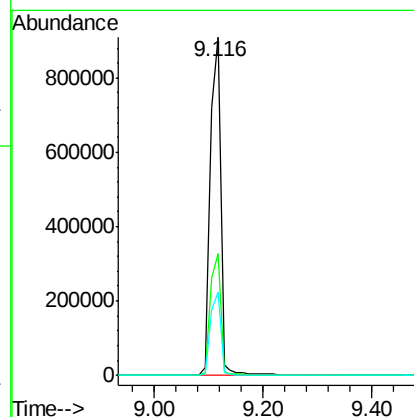
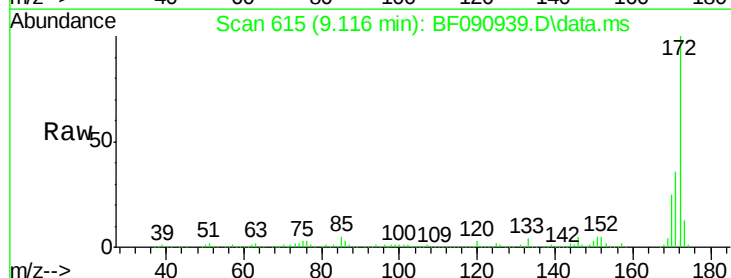
Instrument :
 BNA_F
 ClientSampleId :

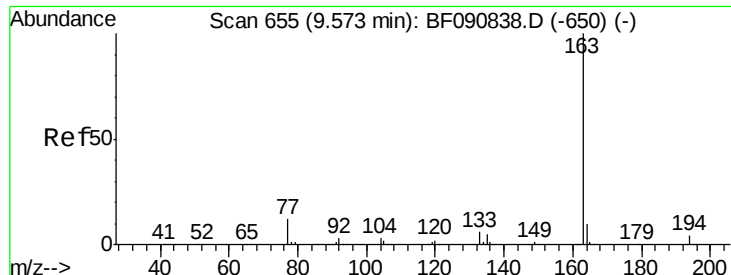
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	114.8
141	38.7	29.7	44.5



#44
 2-Fluorobiphenyl
 Concen: 71.16 ng
 RT: 9.116 min Scan# 615
 Delta R.T. -0.023 min
 Lab File: BF090939.D
 Acq: 31 Oct 2016 20:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	26.1	39.1
170	24.5	17.4	26.2





#49

Dimethylphthalate

Concen: 12.93 ng

RT: 9.505 min Scan# 64

Delta R.T. -0.034 min

Lab File: BF090939.D

Acq: 31 Oct 2016 20:16

Instrument :

BNA_F

ClientSampleId :

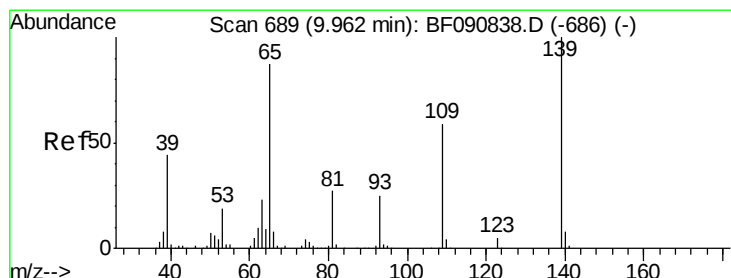
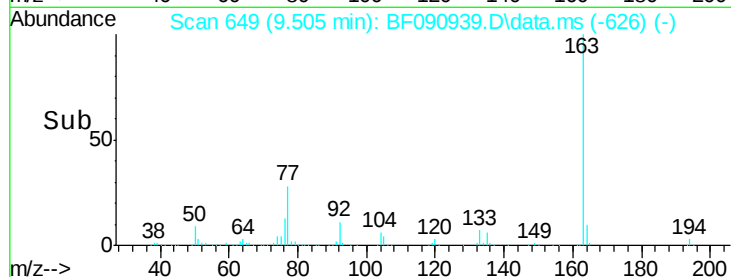
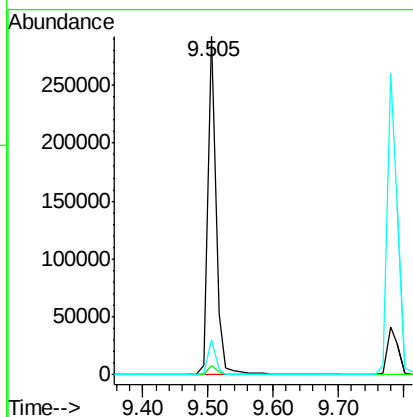
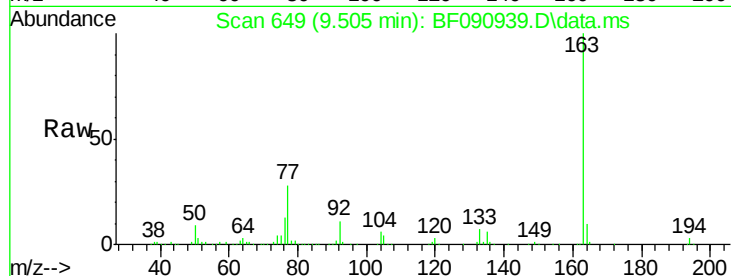
Tot Ion:163 Resp: 254320

Ion Ratio Lower Upper

163 100

194 2.7 4.4 6.6#

164 10.1 8.3 12.5



#55

4-Nitrophenol

Concen: 2.37 ng

RT: 9.985 min Scan# 691

Delta R.T. 0.046 min

Lab File: BF090939.D

Acq: 31 Oct 2016 20:16

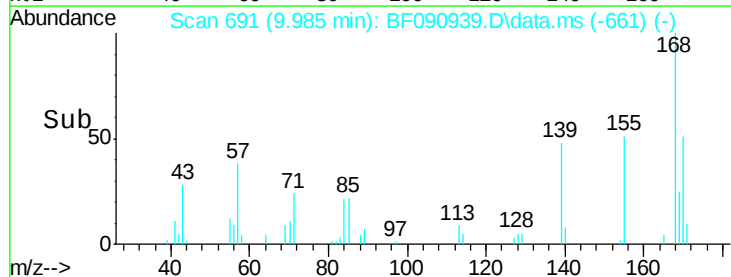
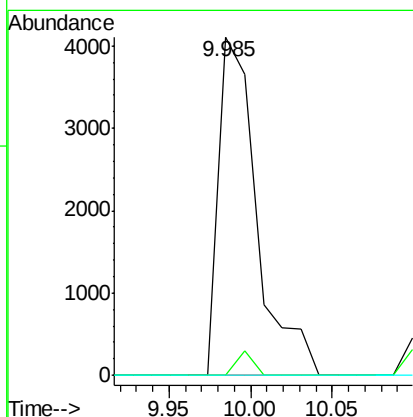
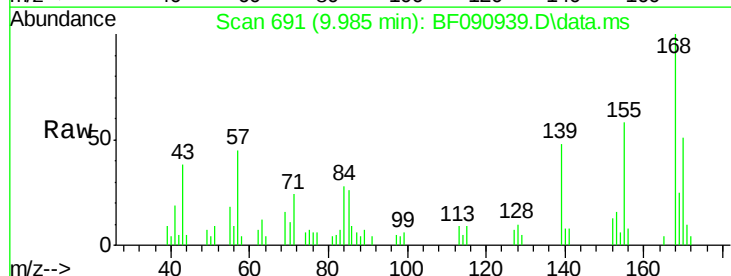
Tgt Ion:139 Resp: 6688

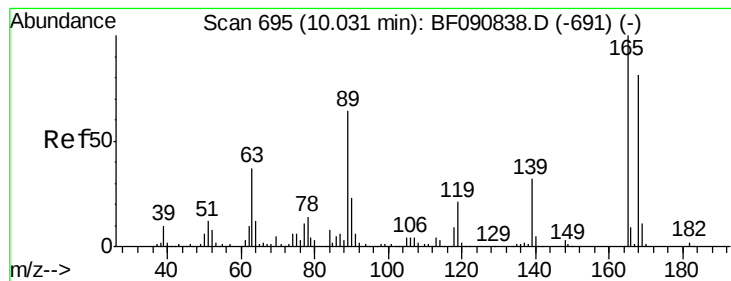
Ion Ratio Lower Upper

139 100

109 0.0 12.7 52.7#

65 0.0 45.9 85.9#

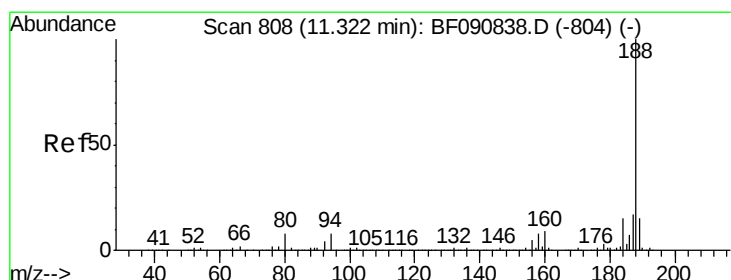
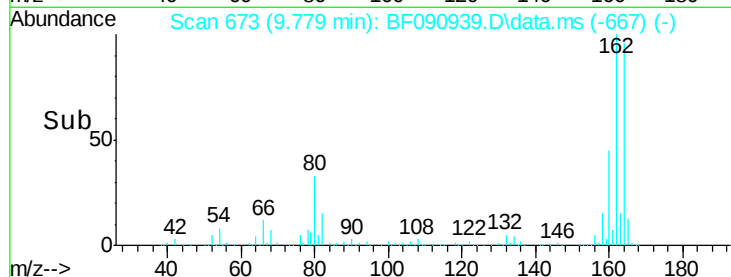
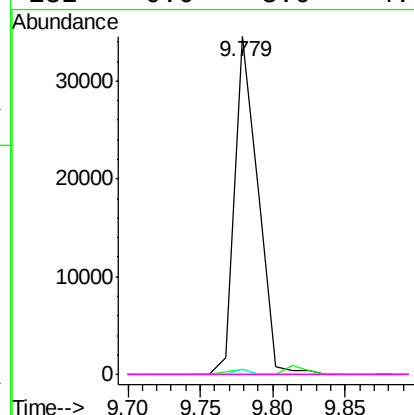
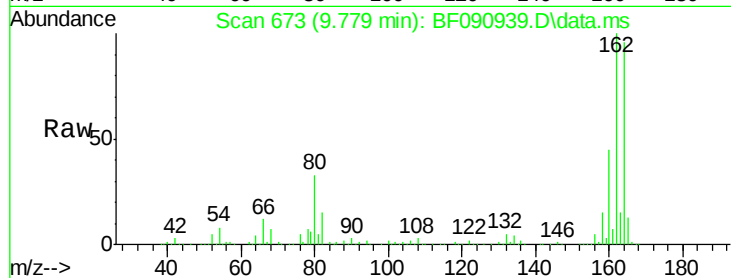




#56
 2,4-Dinitrotoluene
 Concen: 7.13 ng
 RT: 9.779 min Scan# 67
 Delta R.T. -0.228 min
 Lab File: BF090939.D
 Acq: 31 Oct 2016 20:16

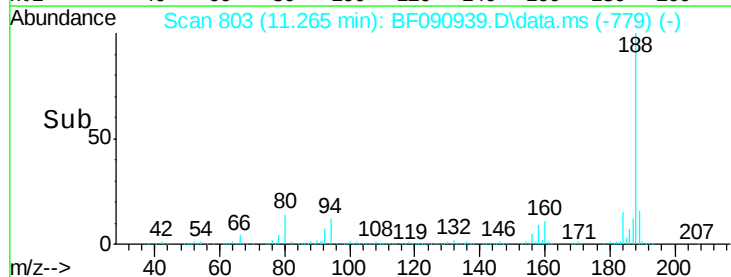
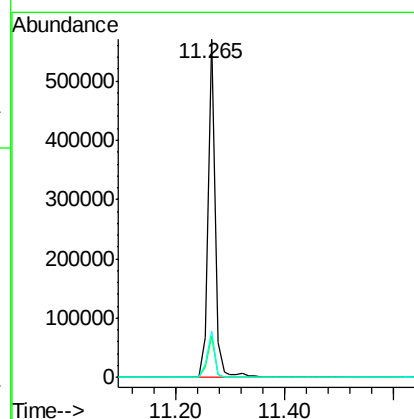
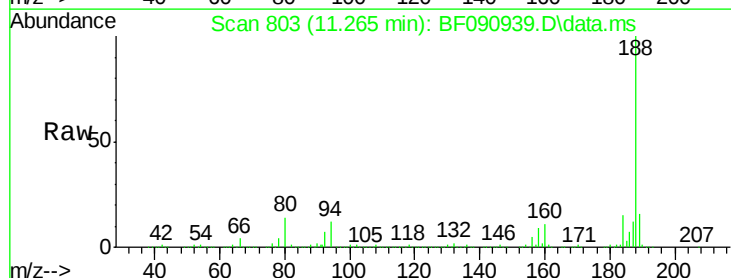
Instrument :
 BNA_F
 ClientSampleId :

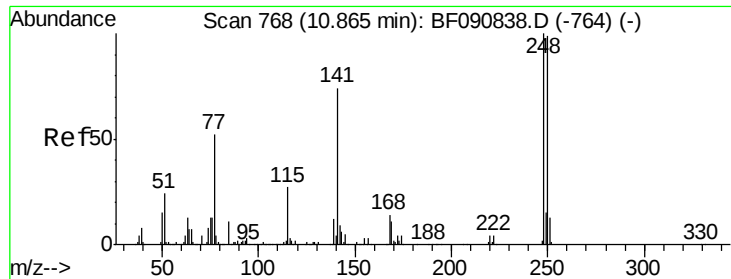
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	29.8	44.6#
89	1.5	44.5	66.7#
182	0.0	3.0	4.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.265 min Scan# 803
 Delta R.T. -0.023 min
 Lab File: BF090939.D
 Acq: 31 Oct 2016 20:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.1	11.1	16.7
80	13.6	11.0	16.4

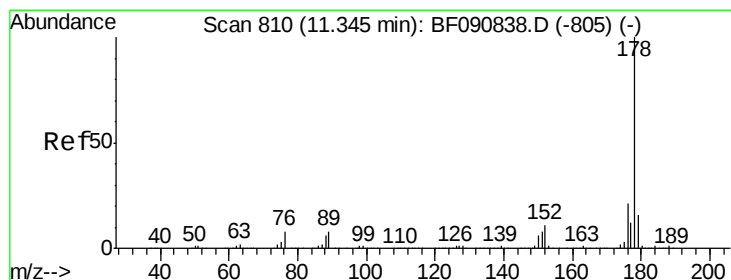
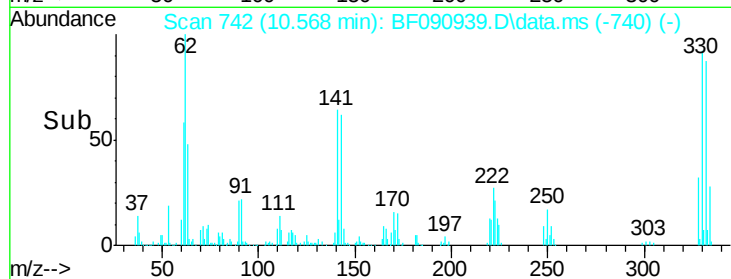
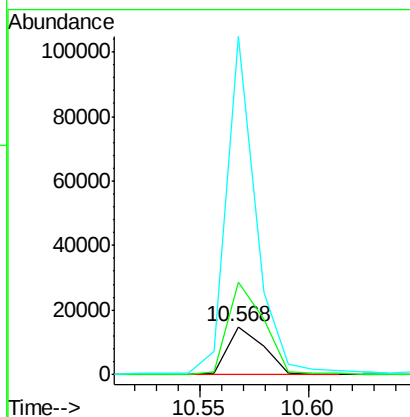
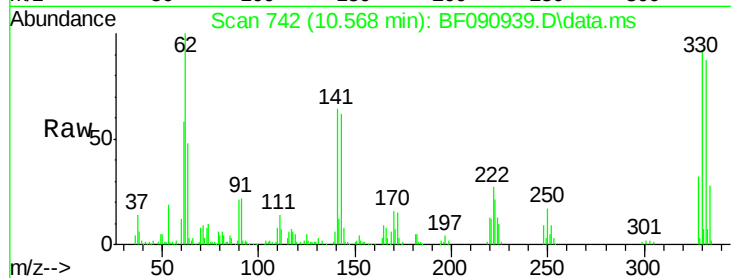




#66
4-Bromophenyl-phenylether
Concen: 3.03 ng
RT: 10.568 min Scan# 74
Delta R.T. -0.274 min
Lab File: BF090939.D
Acq: 31 Oct 2016 20:16

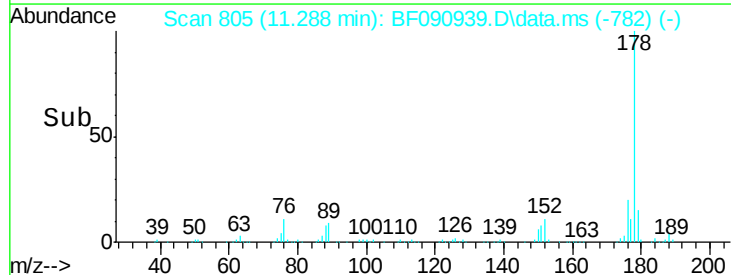
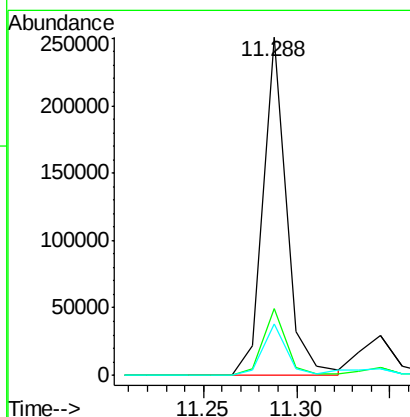
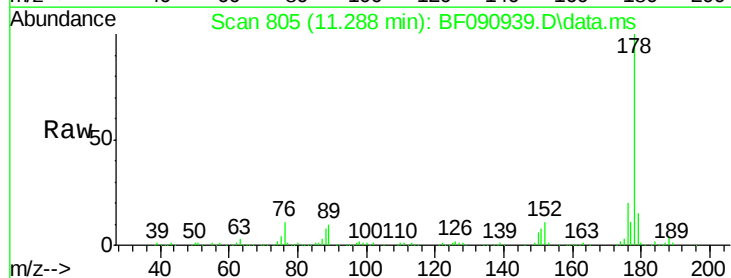
Instrument :
BNA_F
ClientSampled :

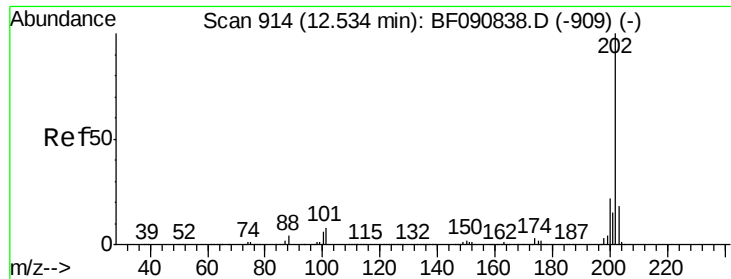
Tot Ion:248 Resp: 16708
Ion Ratio Lower Upper
248 100
250 191.8 78.5 117.7#
141 706.1 59.0 88.6#



#70
Phenanthrene
Concen: 8.44 ng
RT: 11.288 min Scan# 805
Delta R.T. -0.034 min
Lab File: BF090939.D
Acq: 31 Oct 2016 20:16

Tgt Ion:178 Resp: 216715
Ion Ratio Lower Upper
178 100
176 19.6 13.8 20.8
179 15.2 12.2 18.2

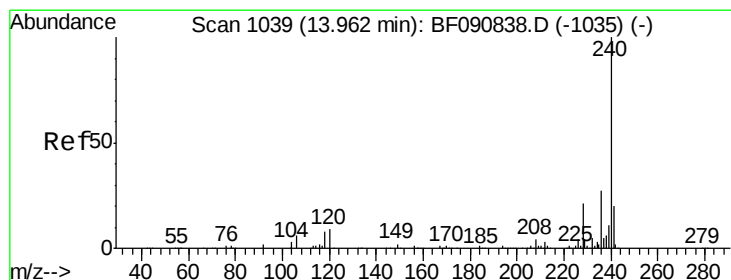
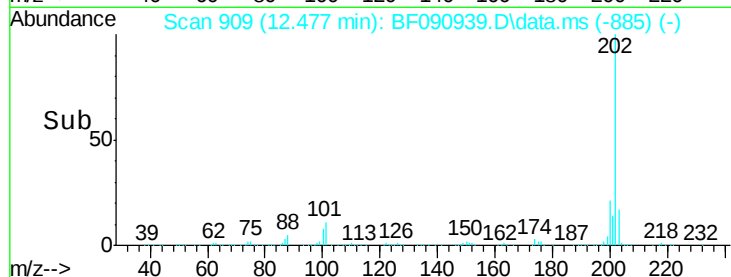
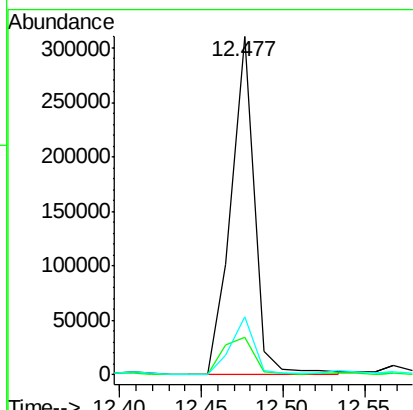
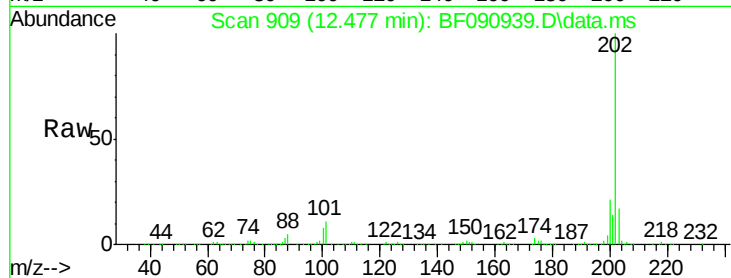




#74
 Fluoranthene
 Concen: 10.84 ng
 RT: 12.477 min Scan# 90
 Delta R.T. -0.023 min
 Lab File: BF090939.D
 Acq: 31 Oct 2016 20:16

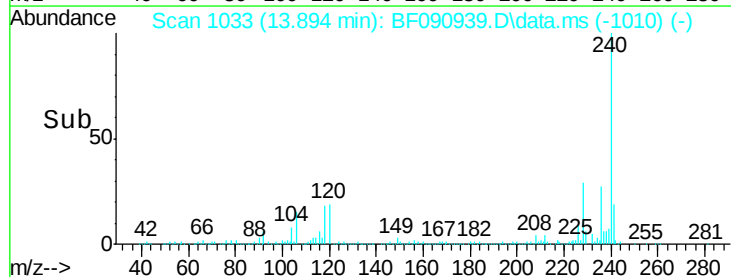
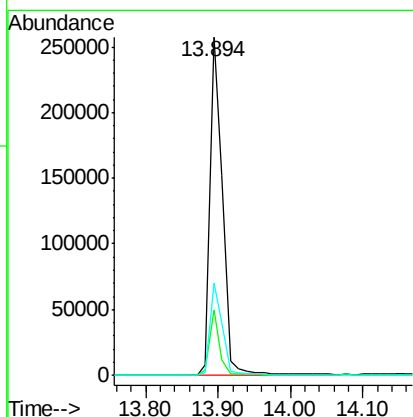
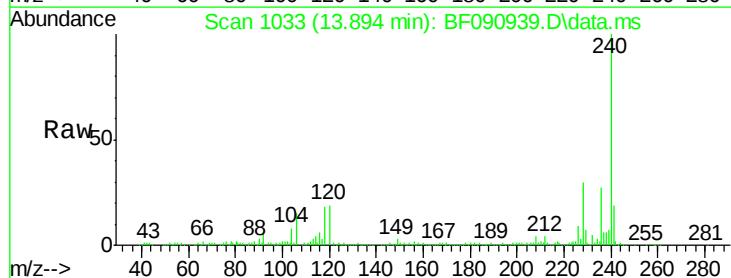
Instrument :
 BNA_F
 ClientSampled :

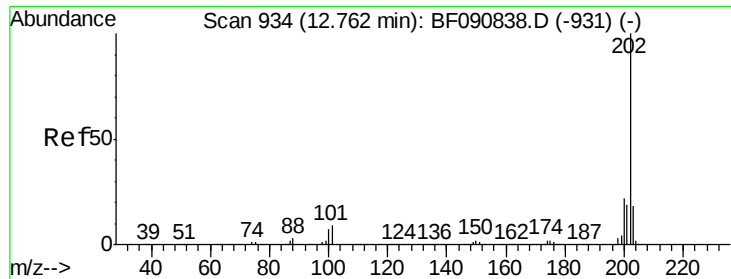
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	38.3
203	17.1	0.0	37.3



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.894 min Scan# 1033
 Delta R.T. -0.034 min
 Lab File: BF090939.D
 Acq: 31 Oct 2016 20:16

Tgt Ion	Ratio	Lower	Upper
240	100		
120	19.4	16.2	24.2
236	27.2	18.4	27.6

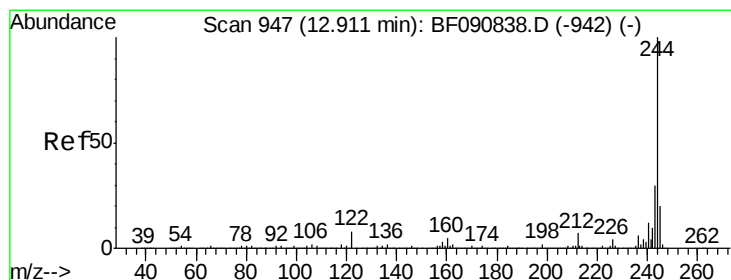
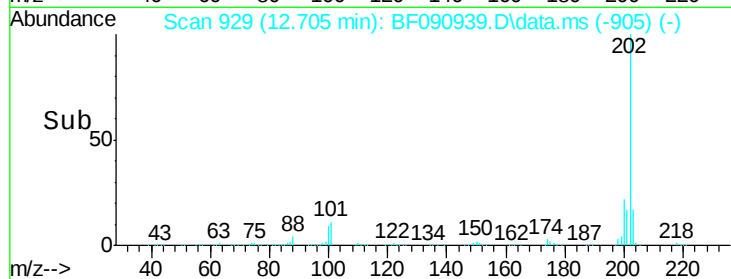
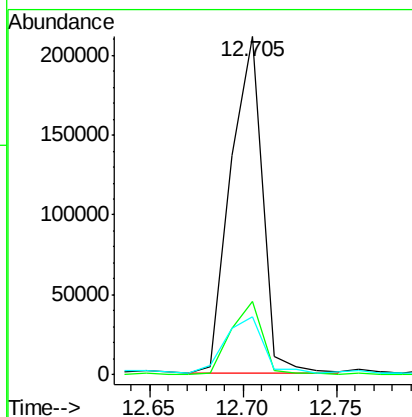
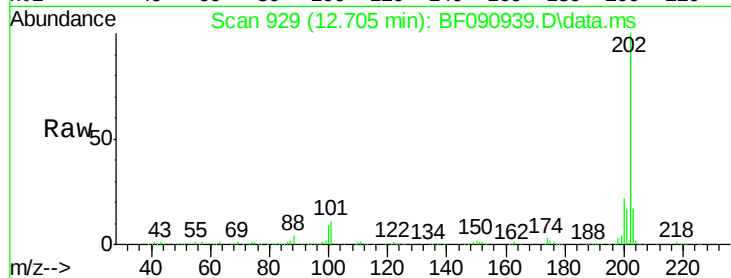




#77
Pvrene
Concen: 13.03 ng
RT: 12.705 min Scan# 92
Delta R.T. -0.023 min
Lab File: BF090939.D
Acq: 31 Oct 2016 20:16

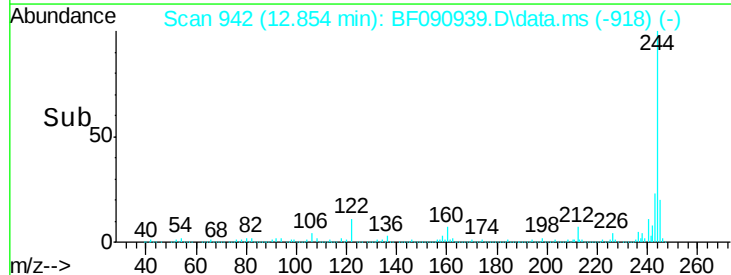
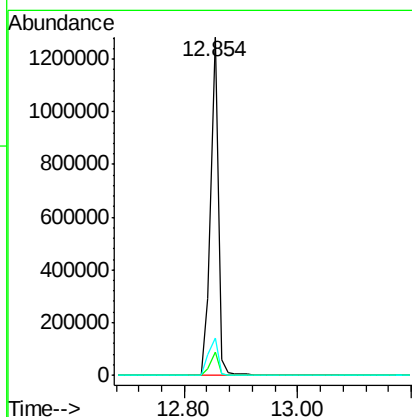
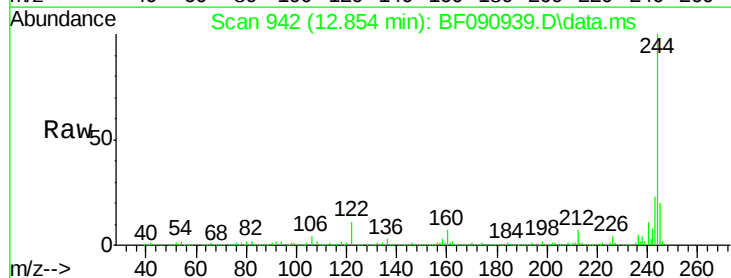
Instrument :
BNA_F
ClientSampleId :

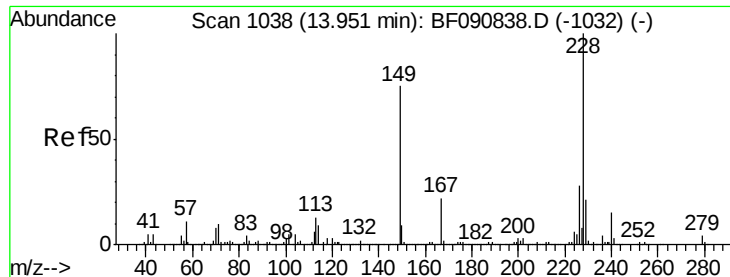
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	15.0	22.4
203	17.1	14.1	21.1



#78
Terphenyl-d14
Concen: 94.16 ng
RT: 12.854 min Scan# 942
Delta R.T. -0.023 min
Lab File: BF090939.D
Acq: 31 Oct 2016 20:16

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	4.3	6.5#
122	10.9	17.4	26.2#





#80

Benzo(a)anthracene

Concen: 7.70 ng

RT: 13.894 min Scan# 1033

Delta R.T. -0.023 min

Lab File: BF090939.D

Acq: 31 Oct 2016 20:16

Instrument :

BNA_F

ClientSampleId :

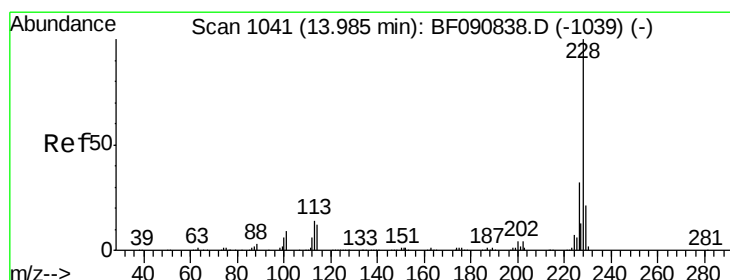
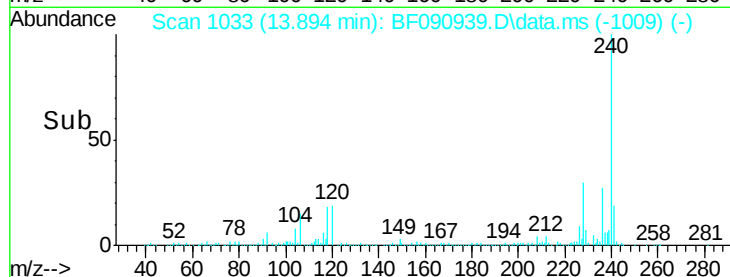
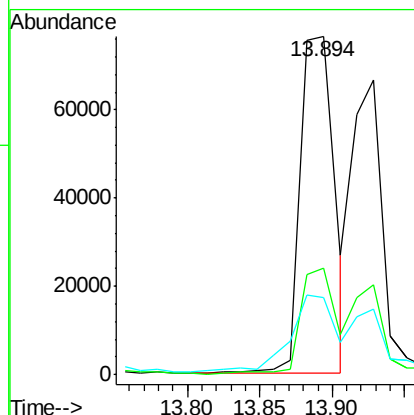
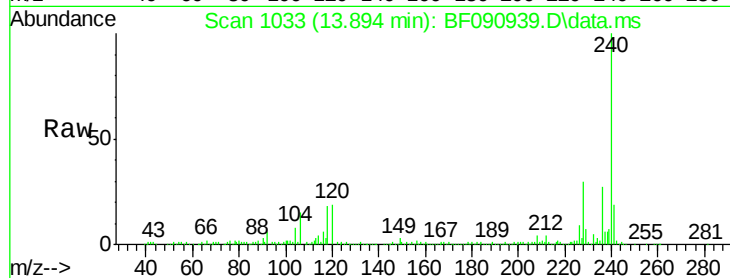
Tot Ion:228 Resp: 125652

Ion Ratio Lower Upper

228 100

226 31.5 20.0 30.0#

229 22.9 15.4 23.2



#82

Chrysene

Concen: 7.62 ng

RT: 13.894 min Scan# 1033

Delta R.T. -0.068 min

Lab File: BF090939.D

Acq: 31 Oct 2016 20:16

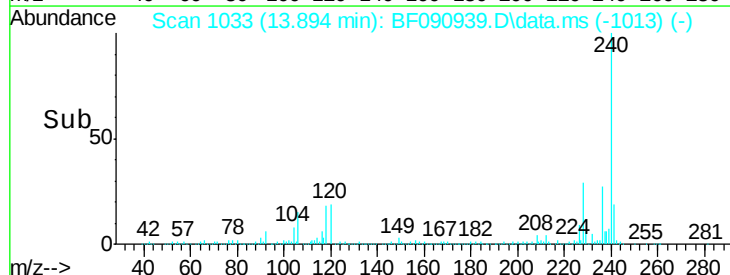
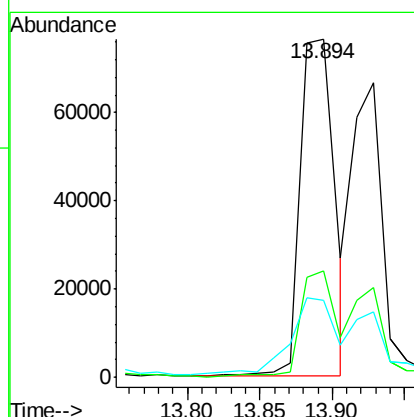
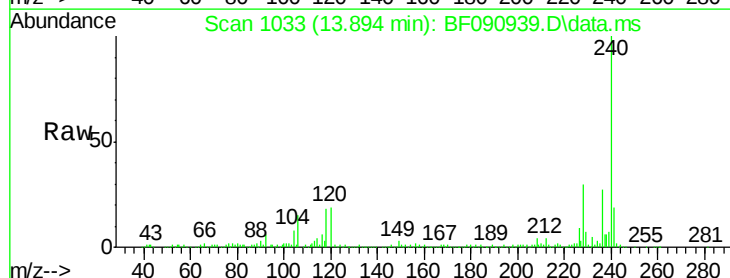
Tgt Ion:228 Resp: 125652

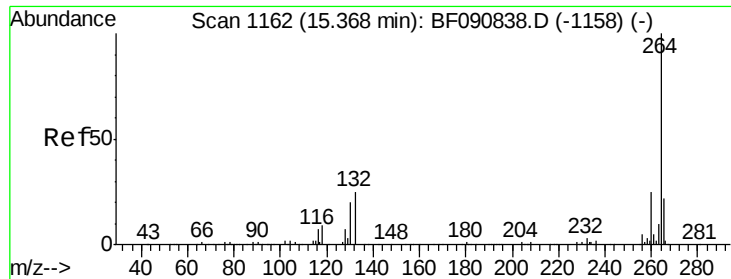
Ion Ratio Lower Upper

228 100

226 31.5 21.0 31.4#

229 22.9 15.6 23.4

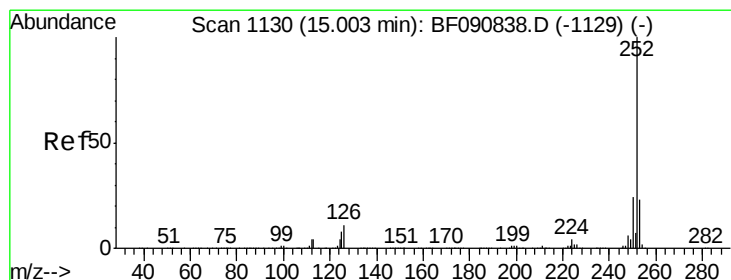
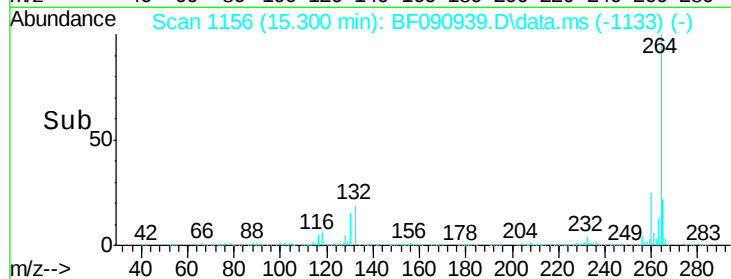
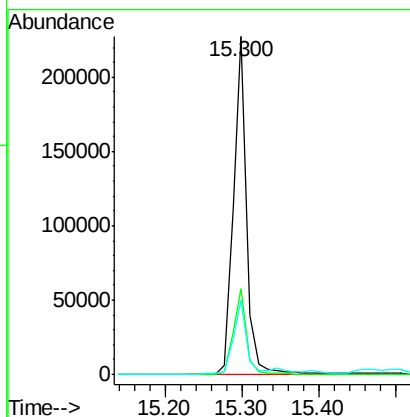
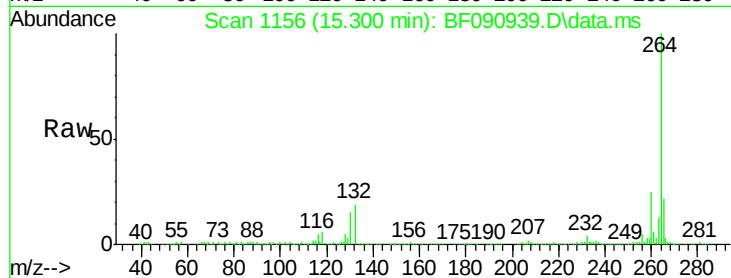




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.300 min Scan# 111
Delta R.T. -0.034 min
Lab File: BF090939.D
Acq: 31 Oct 2016 20:16

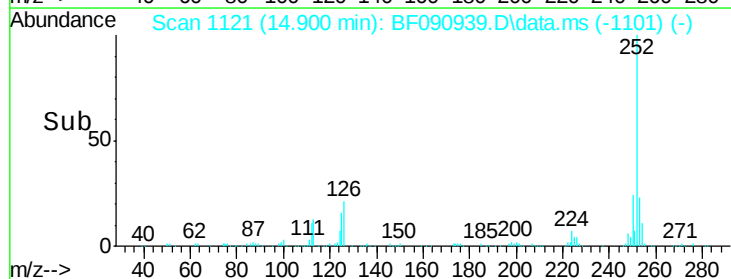
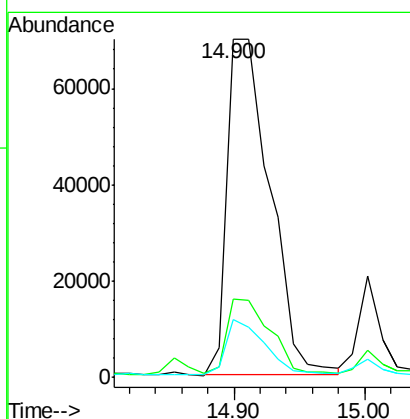
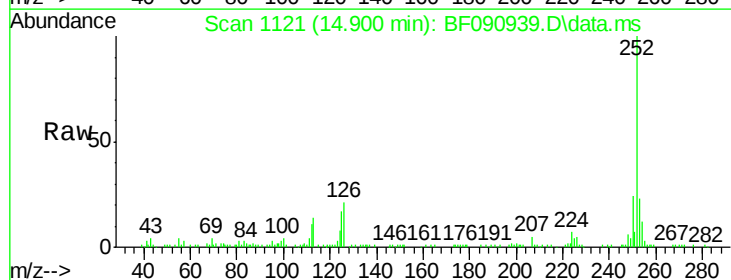
Instrument :
BNA_F
ClientSampleId :

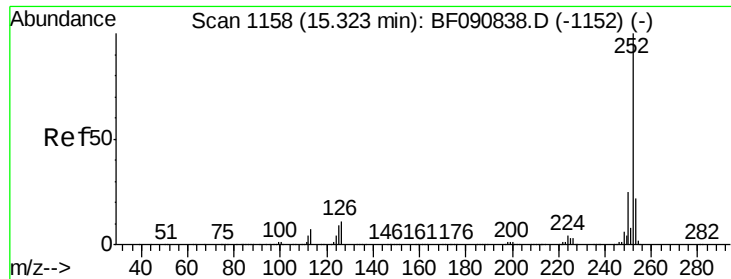
Tot Ion:264 Resp: 278591
Ion Ratio Lower Upper
264 100
260 25.3 16.7 25.1#
265 22.2 17.2 25.8



#88
Benzo(k)fluoranthene
Concen: 10.72 ng
RT: 14.900 min Scan# 1121
Delta R.T. -0.068 min
Lab File: BF090939.D
Acq: 31 Oct 2016 20:16

Tgt Ion:252 Resp: 158678
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.4
125 17.0 16.0 24.0





#89

Benzo(a)pyrene

Concen: 5.46 ng

RT: 15.243 min Scan# 11

Delta R.T. -0.045 min

Lab File: BF090939.D

Acq: 31 Oct 2016 20:16

Instrument :

BNA_F

ClientSampleId :

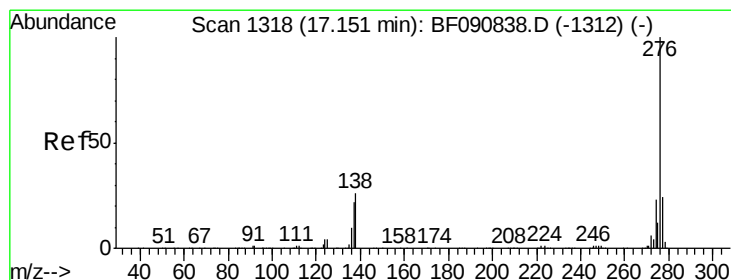
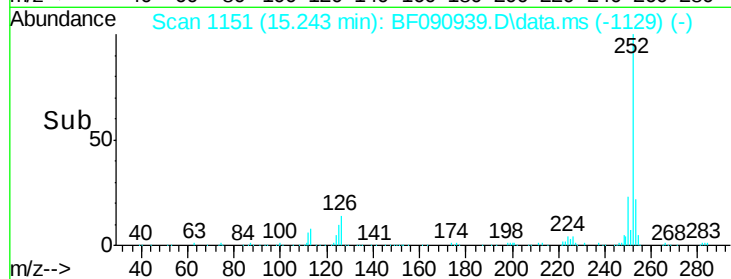
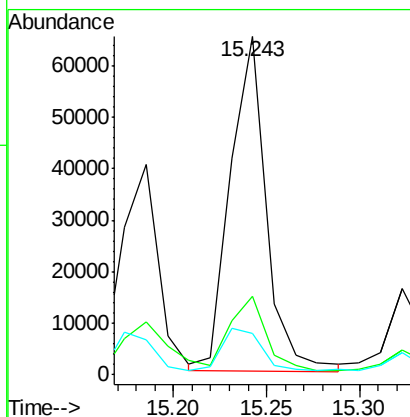
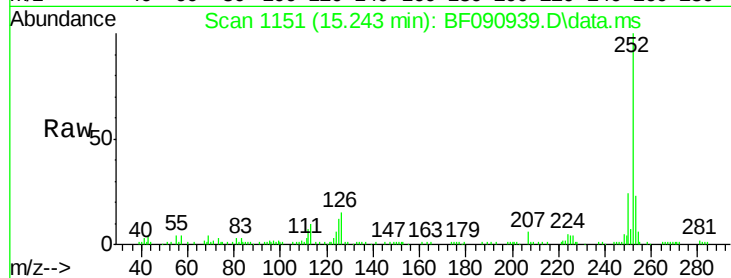
Tot Ion:252 Resp: 87848

Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

125 12.2 18.0 27.0#



#91

Benzo(g,h,i)perylene

Concen: 4.05 ng

RT: 17.026 min Scan# 1307

Delta R.T. -0.080 min

Lab File: BF090939.D

Acq: 31 Oct 2016 20:16

Tgt Ion:276 Resp: 51997

Ion Ratio Lower Upper

276 100

277 24.2 17.8 26.6

138 27.8 34.6 51.8#

