

Data Path : Z:\HPCHEM1\BNA F\Data\BF103116\
 Data File : BF090928.D
 Acq On : 31 Oct 2016 15:16
 Operator : UM/SJ
 Sample : H5423-07RE 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 01 10:34:17 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

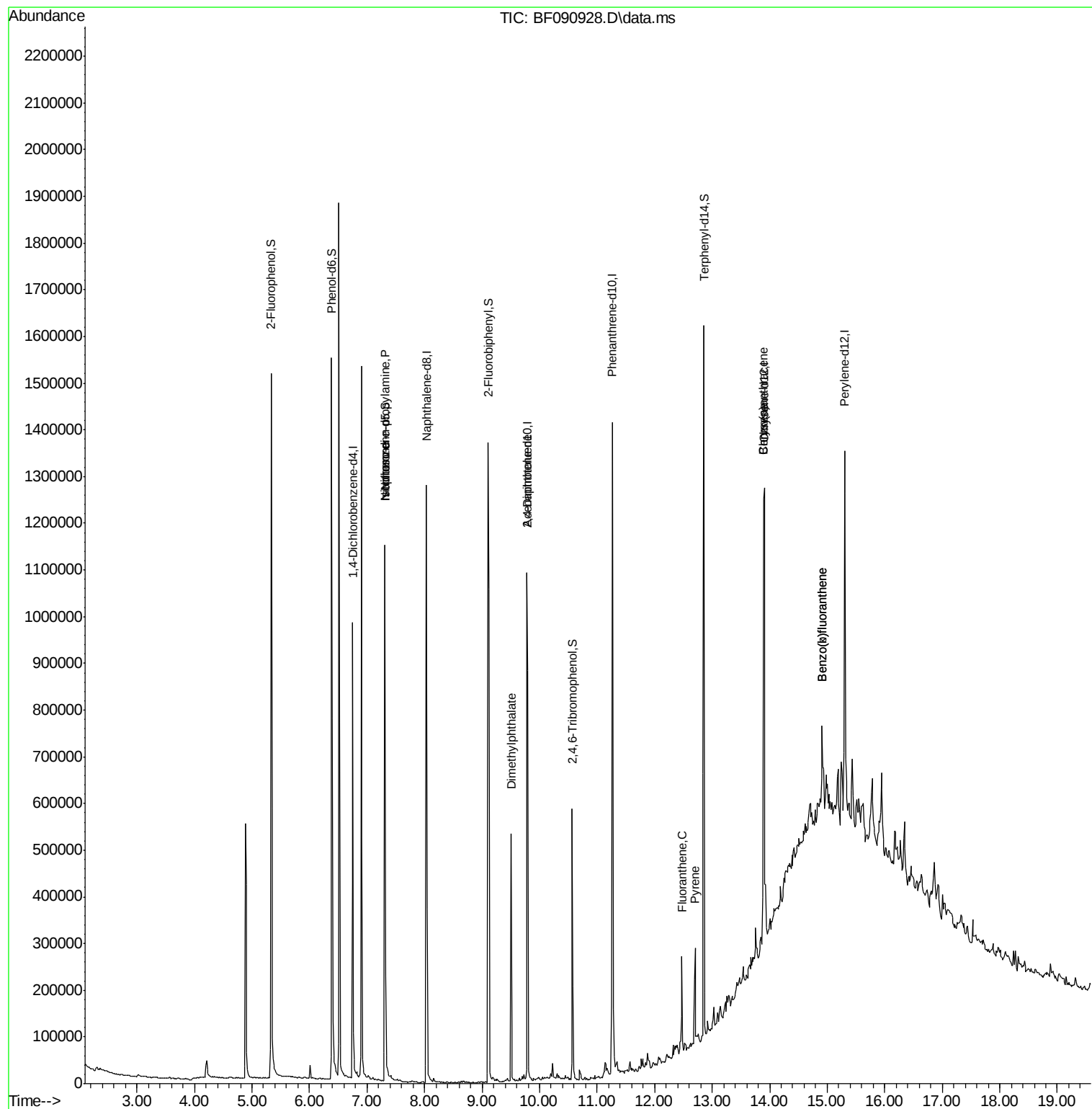
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.750	152	182755	20.00	ng	-0.01
21) Naphthalene-d8	8.030	136	645289	20.00	ng	-0.02
38) Acenaphthene-d10	9.779	164	324840	20.00	ng	-0.03
63) Phenanthrene-d10	11.265	188	476153	20.00	ng	-0.02
75) Chrysene-d12	13.905	240	466842	20.00	ng	-0.02
86) Perylene-d12	15.300	264	472249	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.333	112	478353	45.76	ng	-0.02
7) Phenol-d6	6.384	99	707594	50.18	ng	-0.03
23) Nitrobenzene-d5	7.310	82	417371	42.34	ng	-0.02
41) 2,4,6-Tribromophenol	10.568	330	76978	23.06	ng	-0.03
44) 2-Fluorobiphenyl	9.105	172	631511	34.14	ng	-0.03
78) Terphenyl-d14	12.854	244	508194	27.43	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.310	70	55711	6.83	ng	# 51
25) Isophorone	7.310	82	391041	19.55	ng	# 58
49) Dimethylphthalate	9.505	163	217583	10.03	ng	# 97
56) 2,4-Dinitrotoluene	9.779	165	42474	7.13	ng	# 34
74) Fluoranthene	12.477	202	83476	3.14	ng	92
77) Pyrene	12.705	202	105097	3.56	ng	97
80) Benzo(a)anthracene	13.894	228	76727	3.10	ng	# 90
82) Chrysene	13.894	228	76727	3.06	ng	# 91
87) Benzo(b)fluoranthene	14.911	252	90882	2.86	ng	# 90
88) Benzo(k)fluoranthene	14.911	252	90882	3.62	ng	# 90

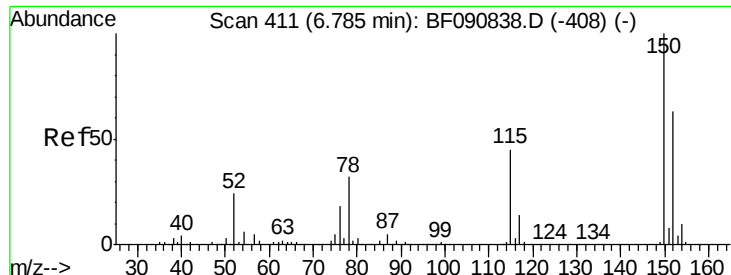
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF090928.D

Acq: 31 Oct 2016 15:16

Instrument :

BNA_F

ClientSampleId :

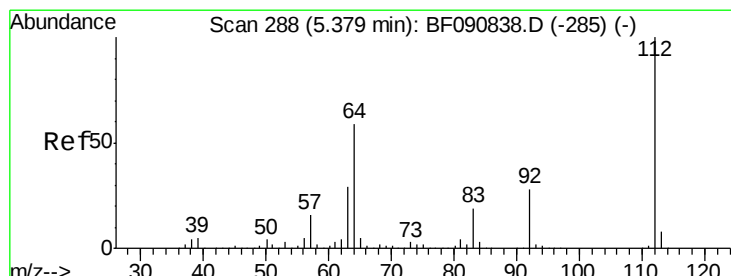
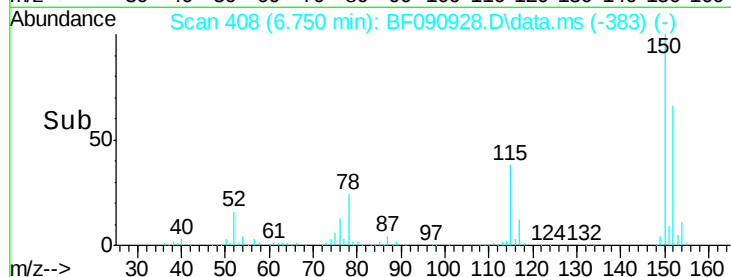
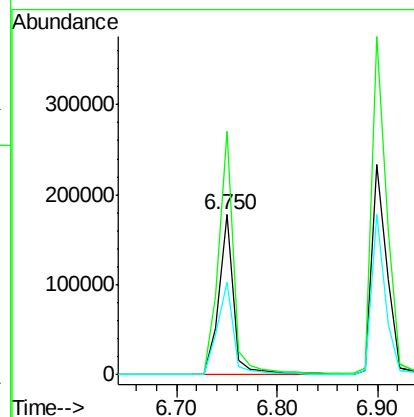
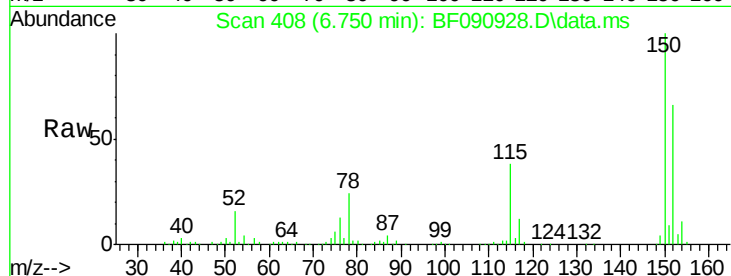
Tot Ion:152 Resp: 182755

Ion Ratio Lower Upper

152 100

150 152.0 124.7 187.1

115 57.7 39.0 58.4



#5

2-Fluorophenol

Concen: 45.76 ng

RT: 5.333 min Scan# 284

Delta R.T. -0.023 min

Lab File: BF090928.D

Acq: 31 Oct 2016 15:16

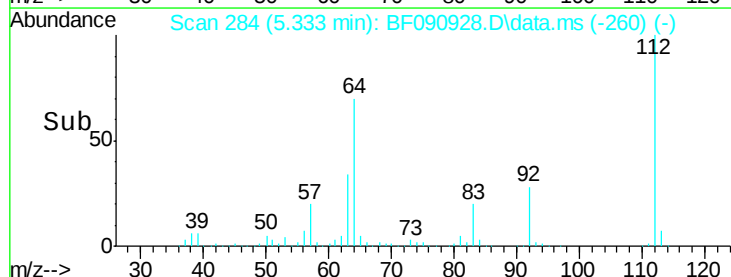
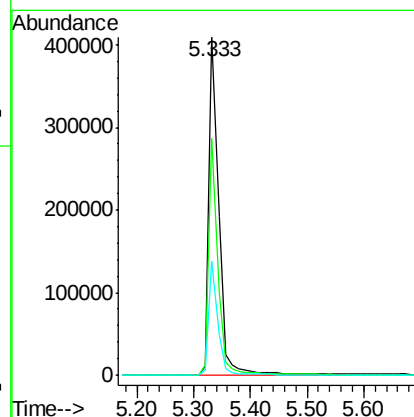
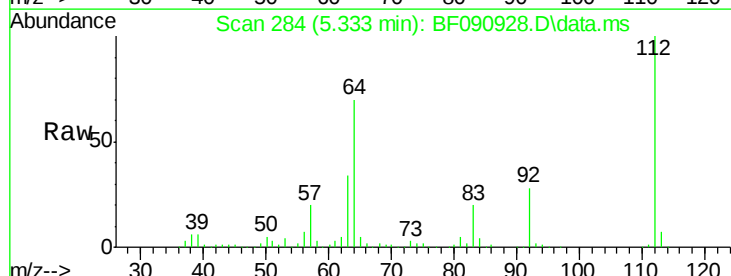
Tgt Ion:112 Resp: 478353

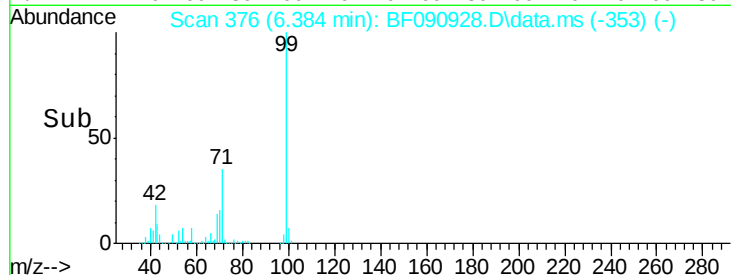
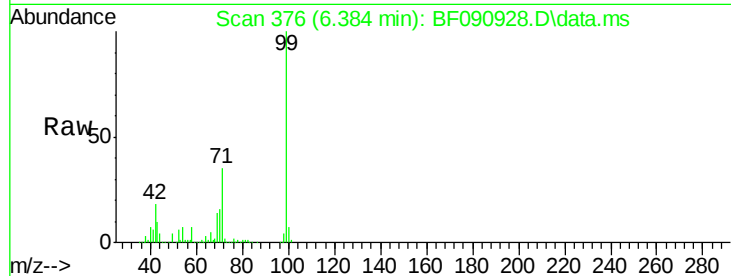
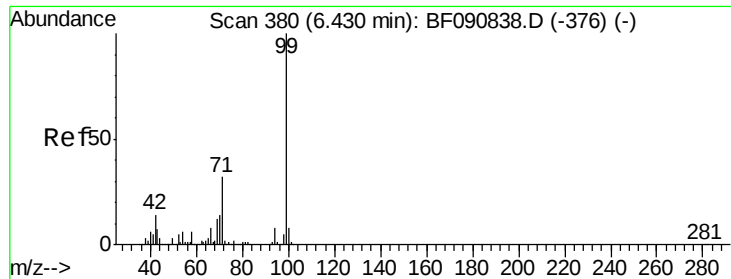
Ion Ratio Lower Upper

112 100

64 70.3 39.7 59.5#

63 33.8 17.4 26.0#





#7

Phenol-d6

Concen: 50.18 ng

RT: 6.384 min Scan# 37

Delta R.T. -0.034 min

Lab File: BF090928.D

Acq: 31 Oct 2016 15:16

Instrument :

BNA_F

ClientSampleId :

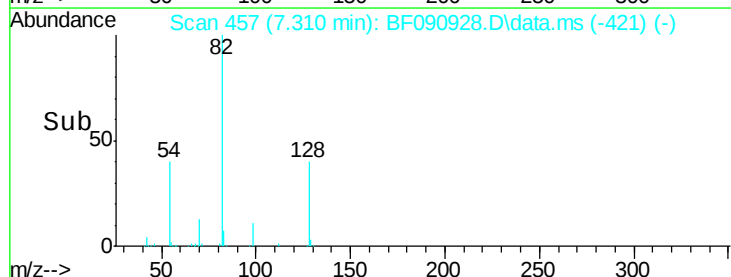
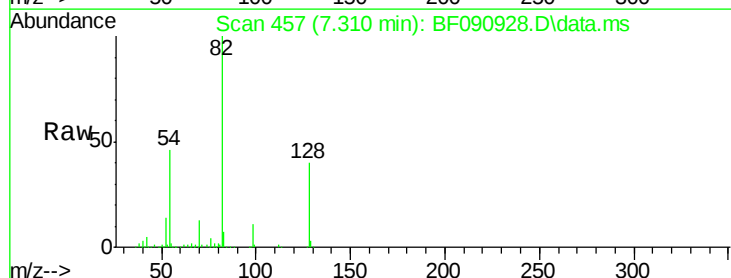
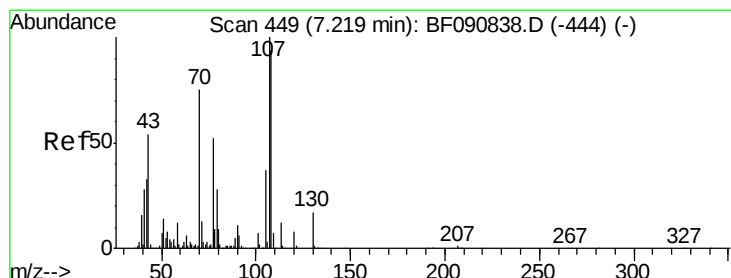
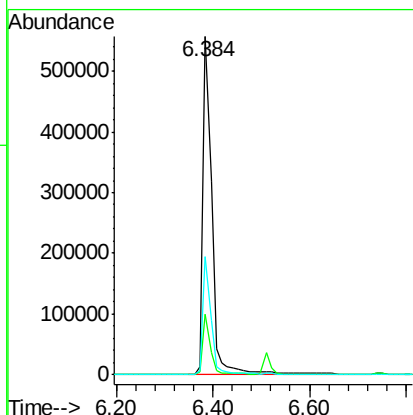
Tot Ion: 99 Resp: 707594

Ion Ratio Lower Upper

99 100

42 18.0 13.7 20.5

71 34.8 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 6.83 ng

RT: 7.310 min Scan# 457

Delta R.T. 0.115 min

Lab File: BF090928.D

Acq: 31 Oct 2016 15:16

Tgt Ion: 70 Resp: 55711

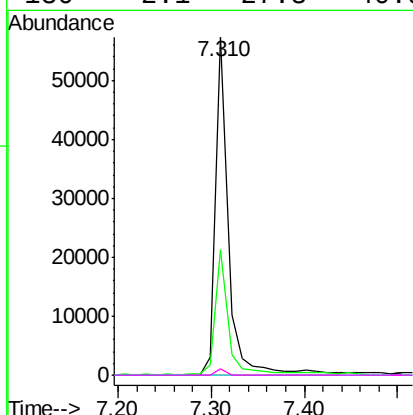
Ion Ratio Lower Upper

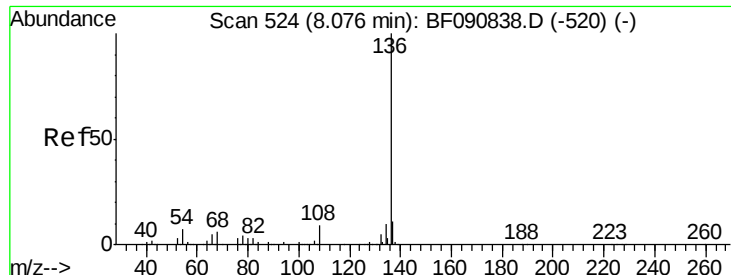
70 100

42 37.2 63.8 95.6#

101 0.0 9.2 13.8#

130 2.1 27.3 40.9#

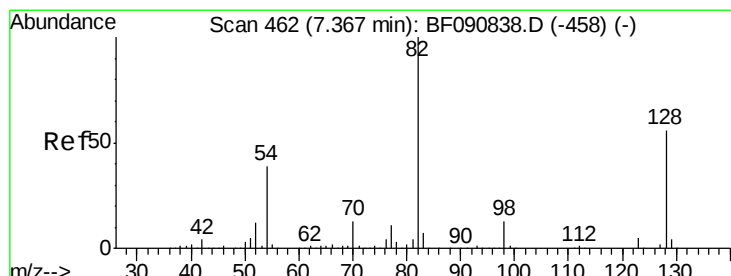
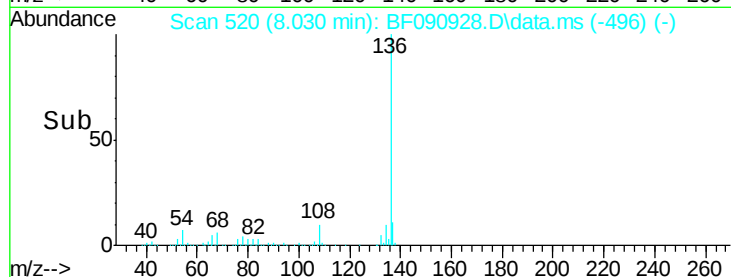
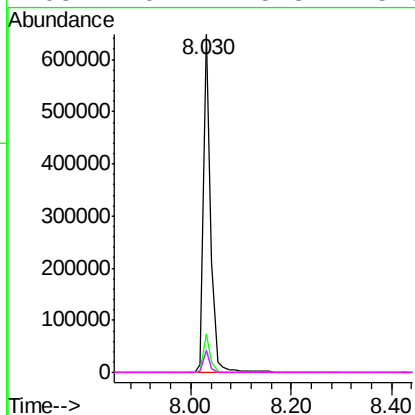
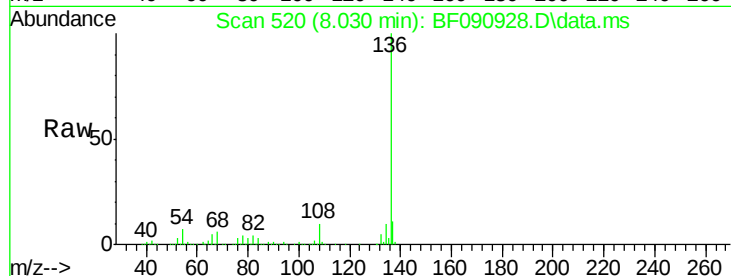




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.030 min Scan# 52
Delta R.T. -0.023 min
Lab File: BF090928.D
Acq: 31 Oct 2016 15:16

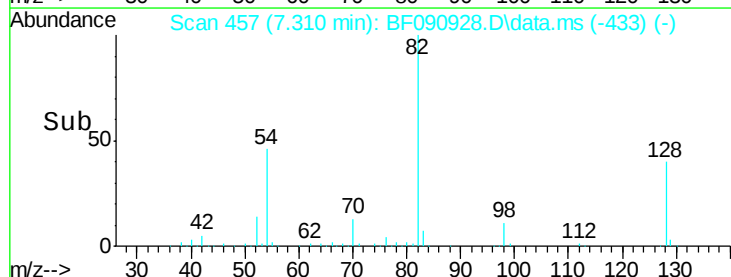
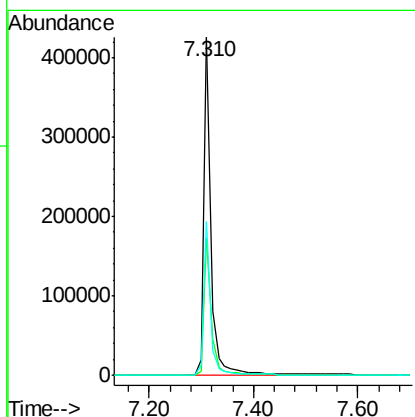
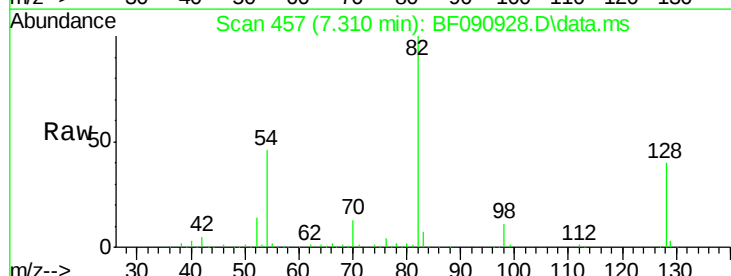
Instrument :
BNA_F
ClientSampleId :

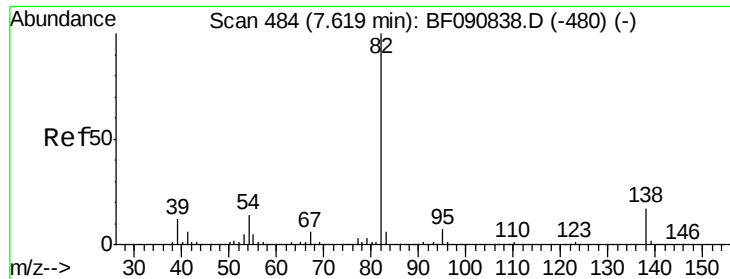
Tot Ion:136	Resp:	645289
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.0 13.6
54	6.9	8.2 12.2#
68	6.4	5.8 8.6



#23
Nitrobenzene-d5
Concen: 42.34 ng
RT: 7.310 min Scan# 457
Delta R.T. -0.023 min
Lab File: BF090928.D
Acq: 31 Oct 2016 15:16

Tgt Ion: 82	Resp:	417371
Ion Ratio	Lower	Upper
82	100	
128	40.5	51.0 76.6#
54	45.6	47.5 71.3#





#25

Isophorone

Concen: 19.55 ng

RT: 7.310 min Scan# 45

Delta R.T. -0.285 min

Lab File: BF090928.D

Acq: 31 Oct 2016 15:16

Instrument :

BNA_F

ClientSampleId :

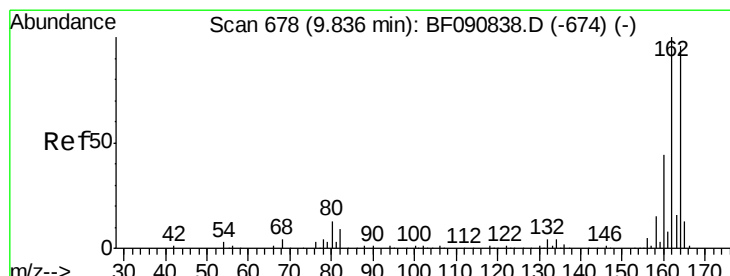
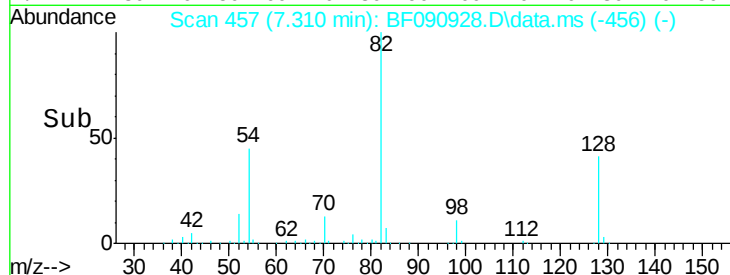
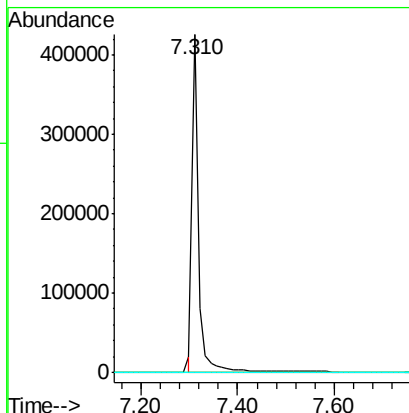
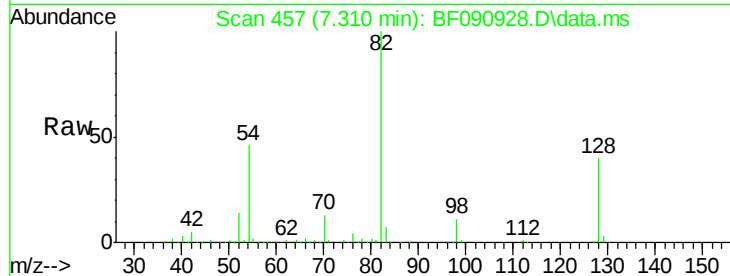
Tot Ion: 82 Resp: 391041

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

138 0.0 18.3 27.5#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.779 min Scan# 673

Delta R.T. -0.034 min

Lab File: BF090928.D

Acq: 31 Oct 2016 15:16

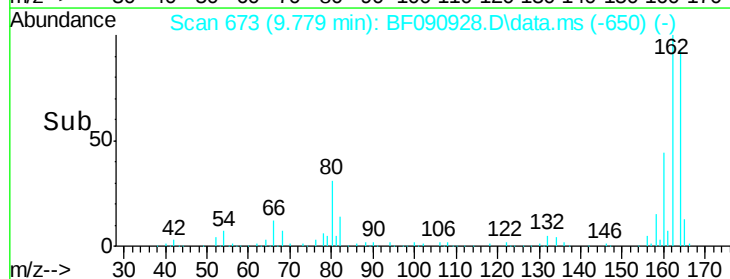
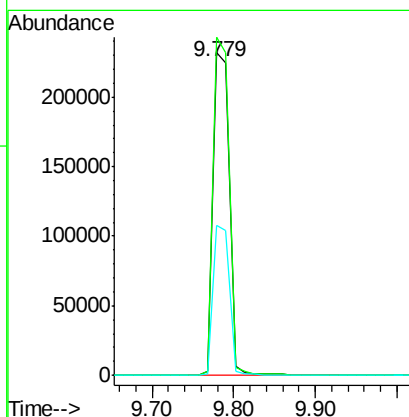
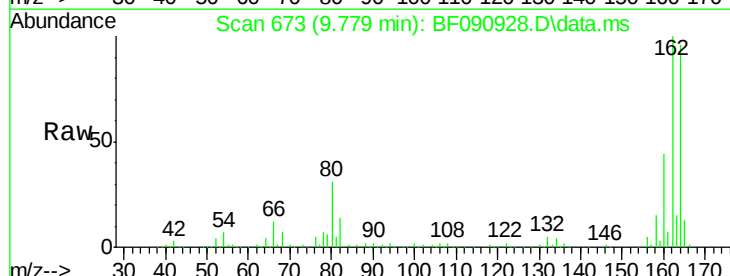
Tgt Ion: 164 Resp: 324840

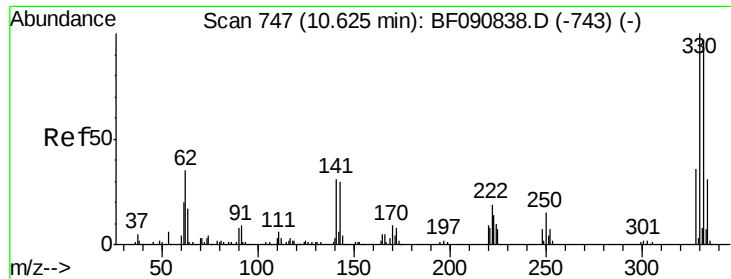
Ion Ratio Lower Upper

164 100

162 104.6 75.2 112.8

160 46.6 31.5 47.3

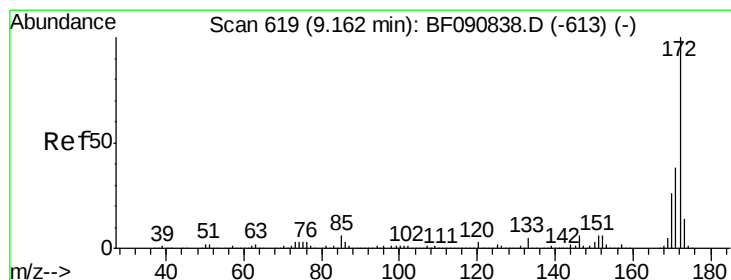
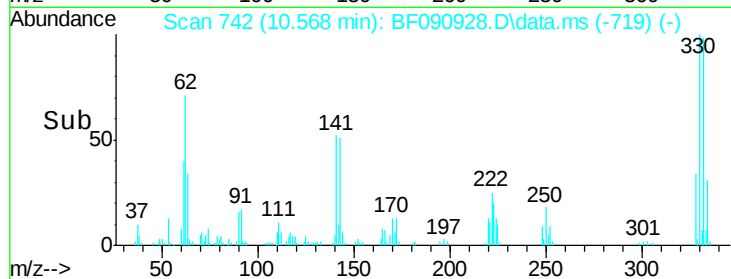
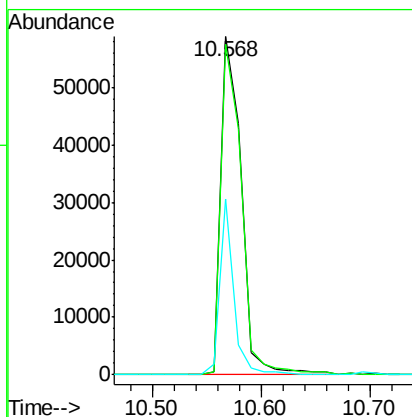
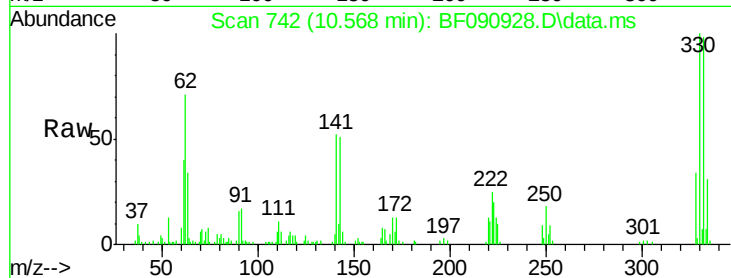




#41
 2,4,6-Tribromophenol
 Concen: 23.06 ng
 RT: 10.568 min Scan# 74
 Delta R.T. -0.034 min
 Lab File: BF090928.D
 Acq: 31 Oct 2016 15:16

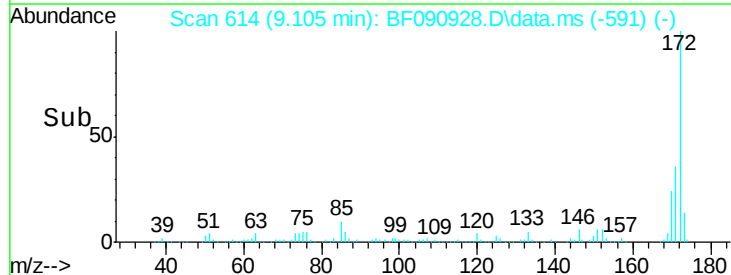
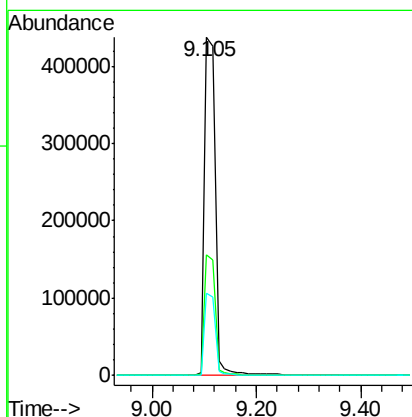
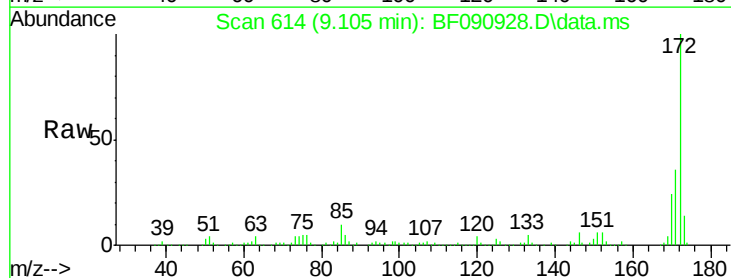
Instrument :
 BNA_F
 ClientSampleId :

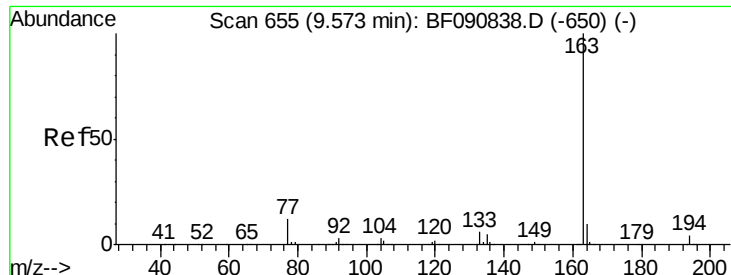
Tot Ion:330 Resp: 76978
 Ion Ratio Lower Upper
 330 100
 332 98.6 76.6 114.8
 141 35.6 29.7 44.5



#44
 2-Fluorobiphenyl
 Concen: 34.14 ng
 RT: 9.105 min Scan# 614
 Delta R.T. -0.034 min
 Lab File: BF090928.D
 Acq: 31 Oct 2016 15:16

Tgt Ion:172 Resp: 631511
 Ion Ratio Lower Upper
 172 100
 171 35.8 26.1 39.1
 170 24.3 17.4 26.2





#49

Dimethylphthalate

Concen: 10.03 ng

RT: 9.505 min Scan# 64

Delta R.T. -0.034 min

Lab File: BF090928.D

Acq: 31 Oct 2016 15:16

Instrument :

BNA_F

ClientSampleId :

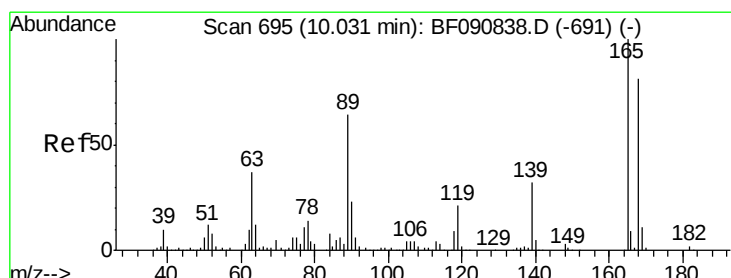
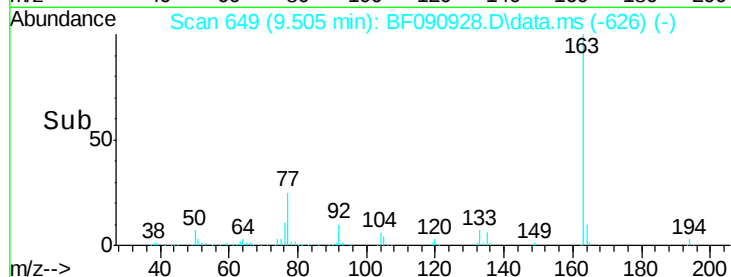
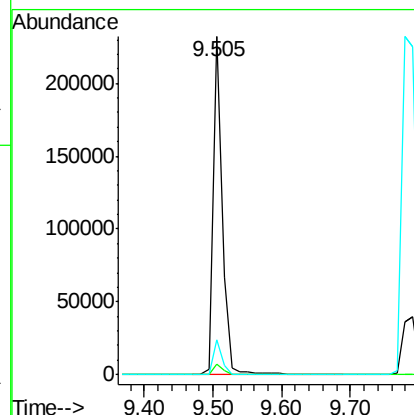
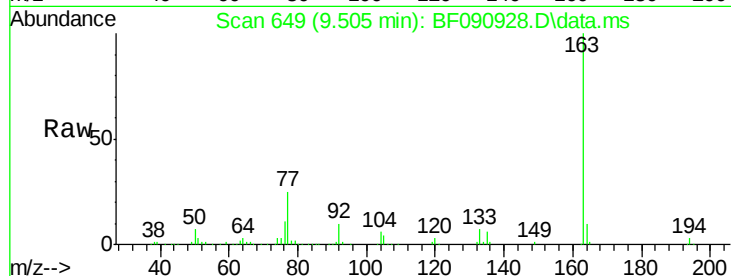
Tot Ion:163 Resp: 217583

Ion Ratio Lower Upper

163 100

194 3.0 4.4 6.6#

164 10.2 8.3 12.5



#56

2,4-Dinitrotoluene

Concen: 7.13 ng

RT: 9.779 min Scan# 673

Delta R.T. -0.228 min

Lab File: BF090928.D

Acq: 31 Oct 2016 15:16

Tgt Ion:165 Resp: 42474

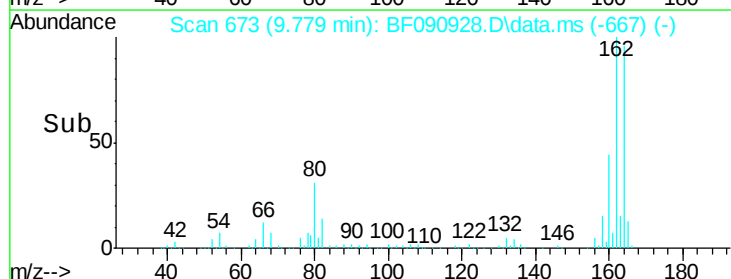
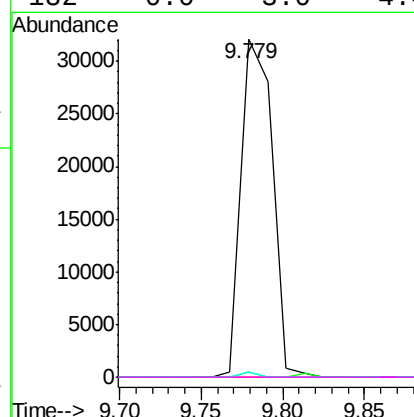
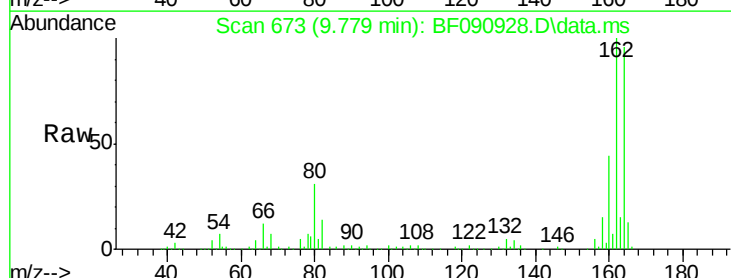
Ion Ratio Lower Upper

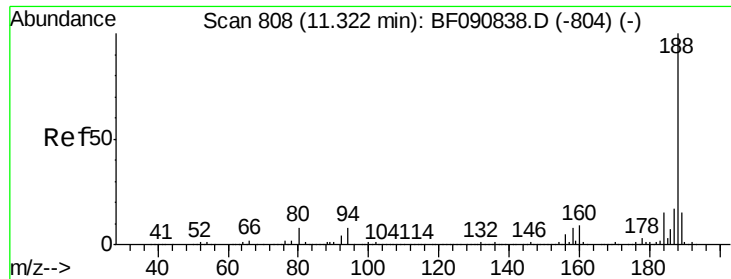
165 100

63 1.5 29.8 44.6#

89 1.5 44.5 66.7#

182 0.0 3.0 4.4#

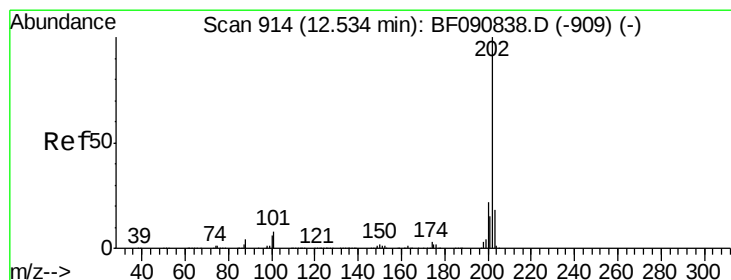
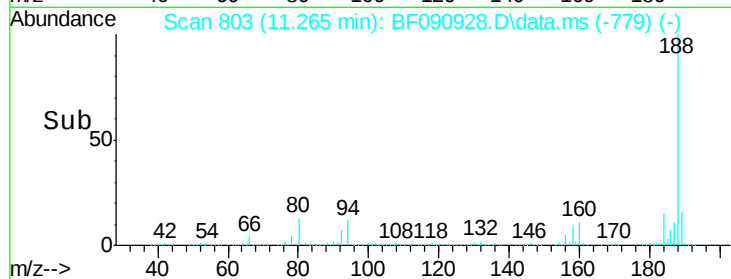
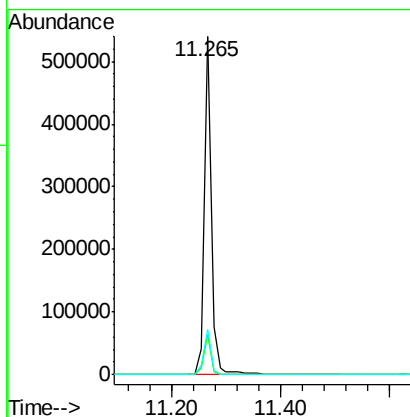
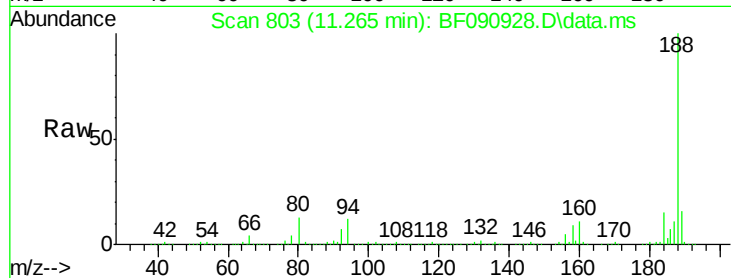




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.265 min Scan# 80
Delta R.T. -0.023 min
Lab File: BF090928.D
Acq: 31 Oct 2016 15:16

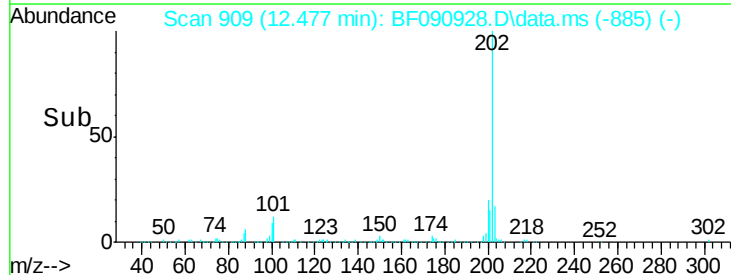
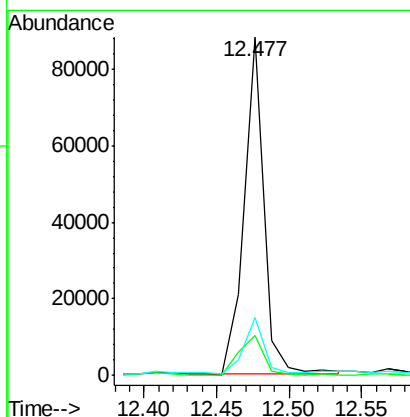
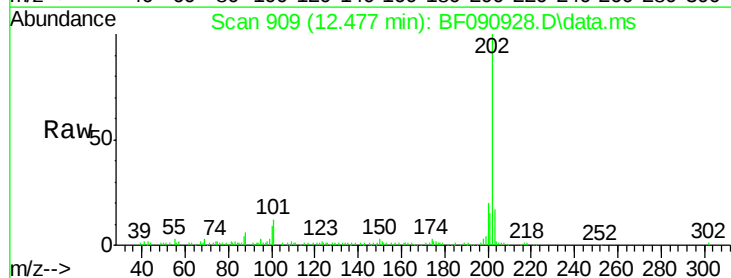
Instrument :
BNA_F
ClientSampleId :

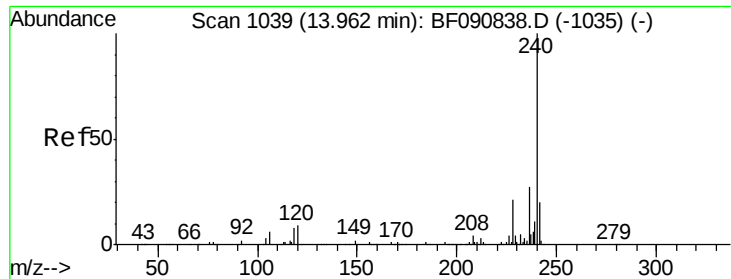
Tot Ion:188 Resp: 476153
Ion Ratio Lower Upper
188 100
94 11.8 11.1 16.7
80 13.3 11.0 16.4



#74
Fluoranthene
Concen: 3.14 ng
RT: 12.477 min Scan# 909
Delta R.T. -0.023 min
Lab File: BF090928.D
Acq: 31 Oct 2016 15:16

Tgt Ion:202 Resp: 83476
Ion Ratio Lower Upper
202 100
101 11.7 0.0 38.3
203 17.2 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.905 min Scan# 10

Delta R.T. -0.023 min

Lab File: BF090928.D

Acq: 31 Oct 2016 15:16

Instrument :

BNA_F

ClientSampleId :

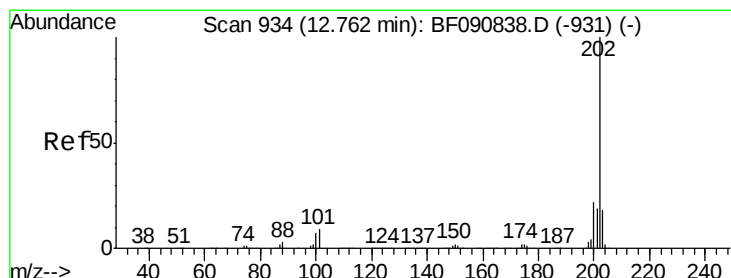
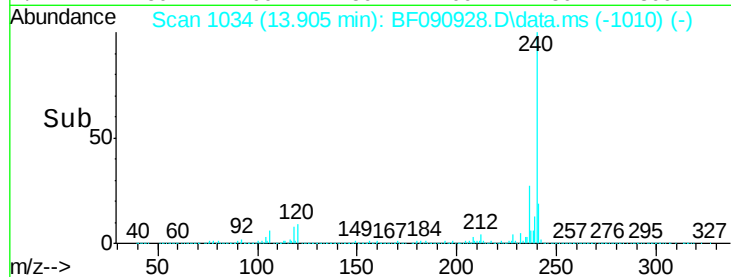
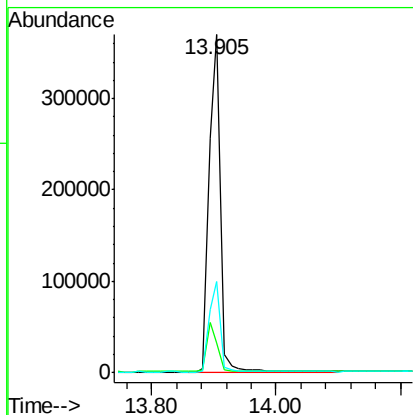
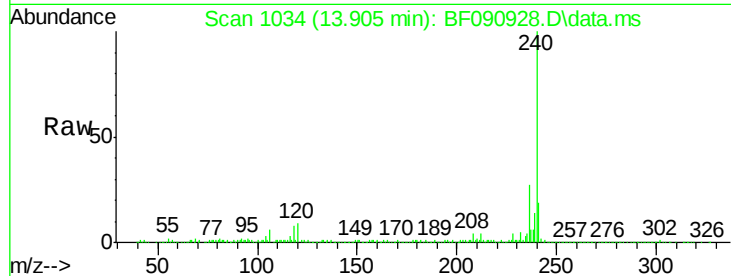
Tot Ion:240 Resp: 466842

Ion Ratio Lower Upper

240 100

120 8.9 16.2 24.2#

236 26.7 18.4 27.6



#77

Pyrene

Concen: 3.56 ng

RT: 12.705 min Scan# 929

Delta R.T. -0.023 min

Lab File: BF090928.D

Acq: 31 Oct 2016 15:16

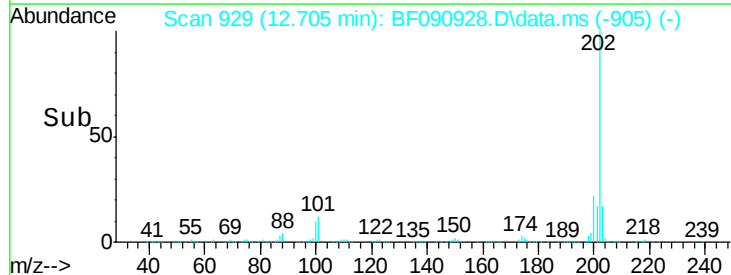
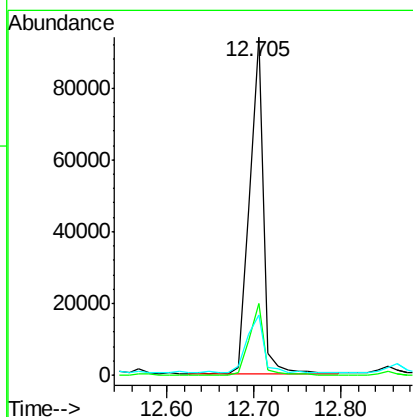
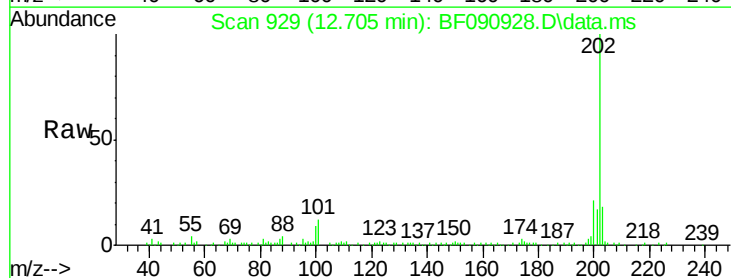
Tgt Ion:202 Resp: 105097

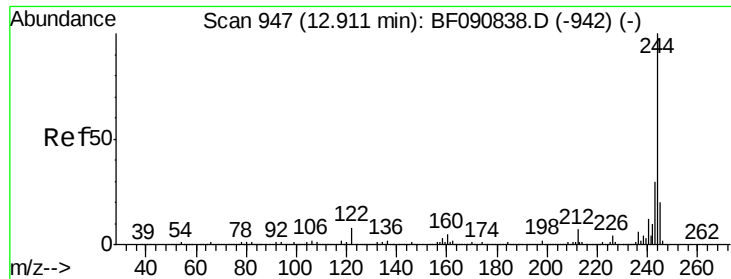
Ion Ratio Lower Upper

202 100

200 21.4 15.0 22.4

203 17.7 14.1 21.1

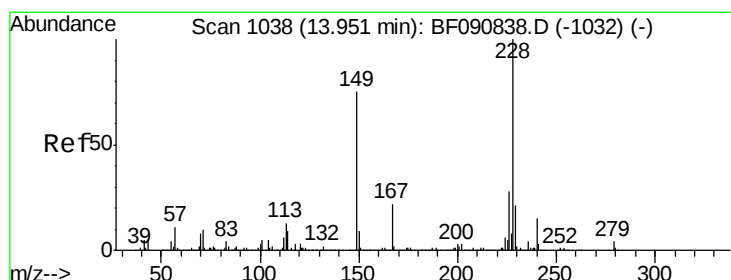
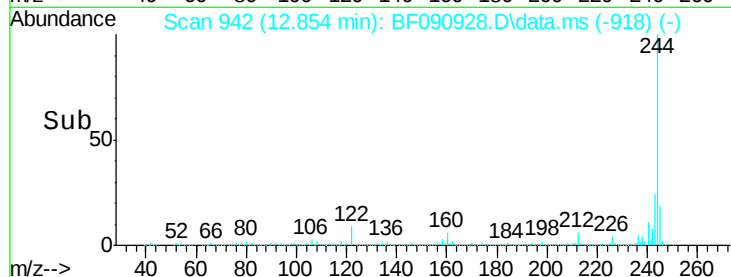
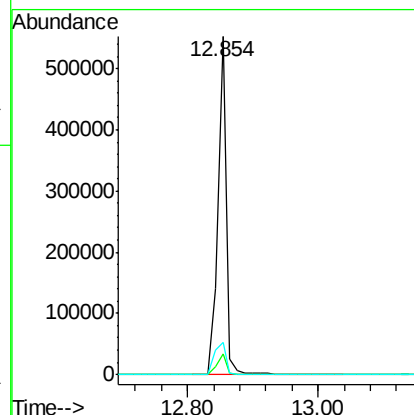
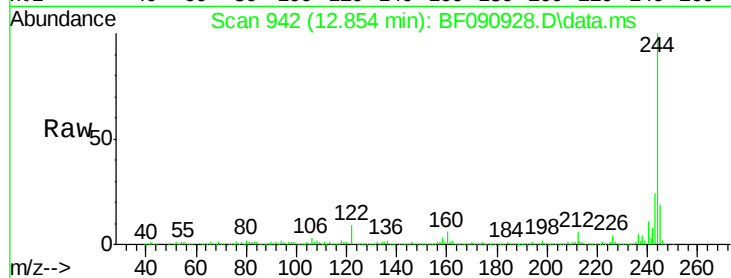




#78
 Terphenyl-d14
 Concen: 27.43 ng
 RT: 12.854 min Scan# 94
 Delta R.T. -0.023 min
 Lab File: BF090928.D
 Acq: 31 Oct 2016 15:16

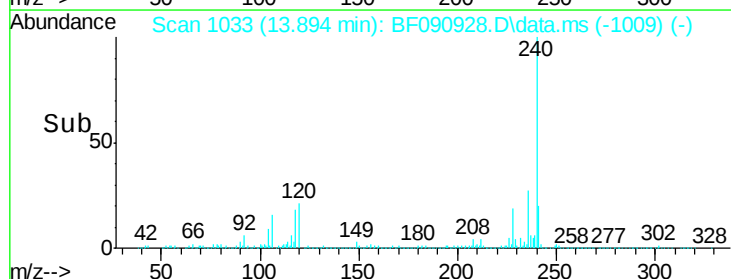
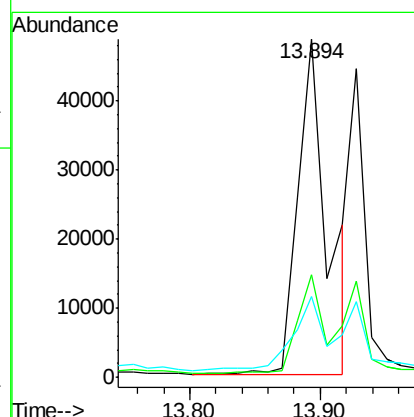
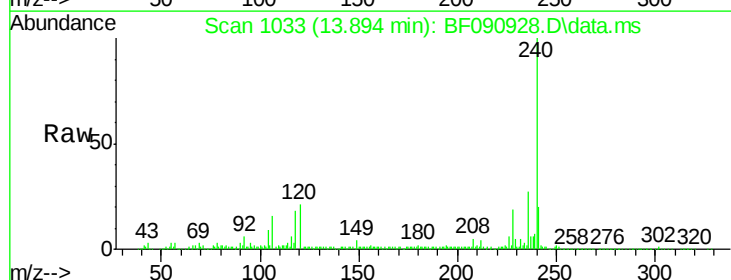
Instrument :
 BNA_F
 ClientSampleId :

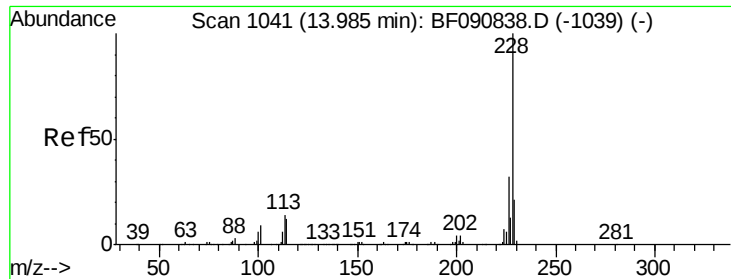
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	4.3	6.5
122	9.4	17.4	26.2



#80
 Benzo(a)anthracene
 Concen: 3.10 ng
 RT: 13.894 min Scan# 1033
 Delta R.T. -0.023 min
 Lab File: BF090928.D
 Acq: 31 Oct 2016 15:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	20.0	30.0
229	23.8	15.4	23.2





#82

Chrysene

Concen: 3.06 ng

RT: 13.894 min Scan# 10

Delta R.T. -0.068 min

Lab File: BF090928.D

Acq: 31 Oct 2016 15:16

Instrument :

BNA_F

ClientSampleId :

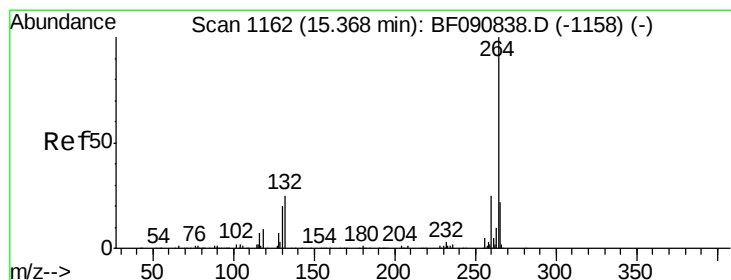
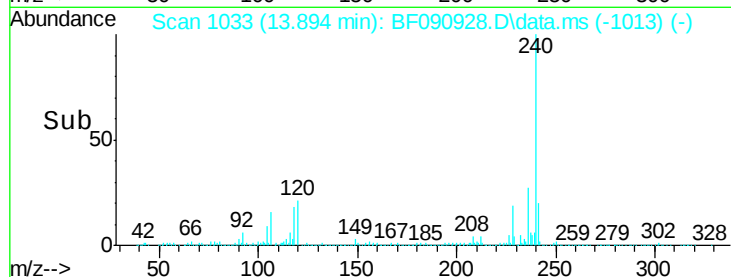
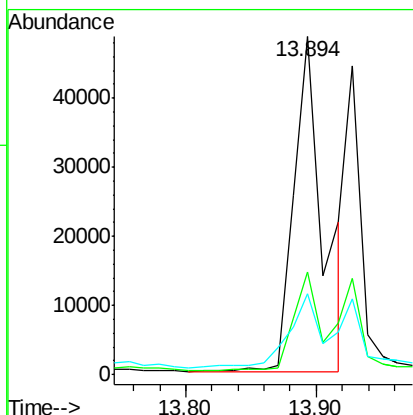
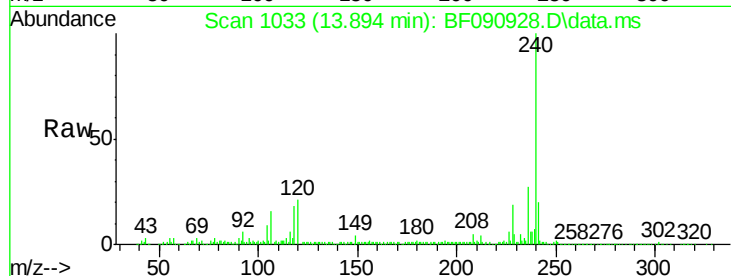
Tot Ion:228 Resp: 76727

Ion Ratio Lower Upper

228 100

226 30.2 21.0 31.4

229 23.8 15.6 23.4#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.300 min Scan# 1156

Delta R.T. -0.034 min

Lab File: BF090928.D

Acq: 31 Oct 2016 15:16

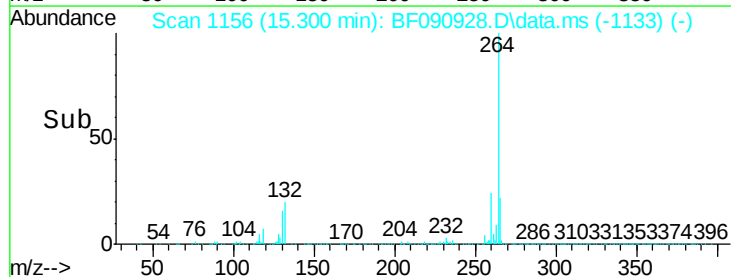
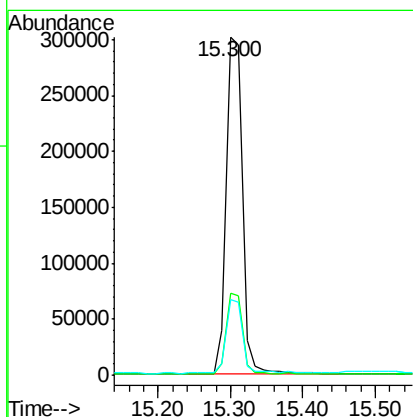
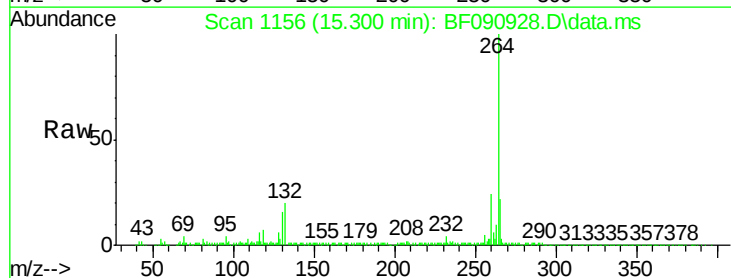
Tgt Ion:264 Resp: 472249

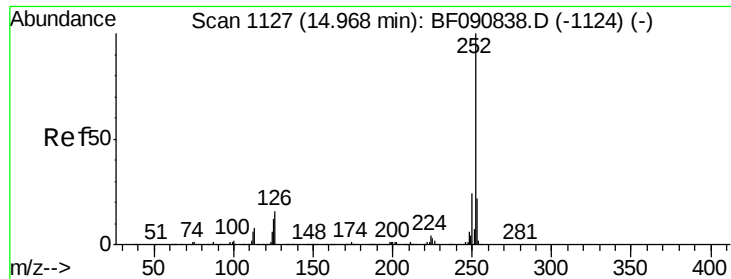
Ion Ratio Lower Upper

264 100

260 24.4 16.7 25.1

265 22.4 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 2.86 ng

RT: 14.911 min Scan# 111

Delta R.T. -0.034 min

Lab File: BF090928.D

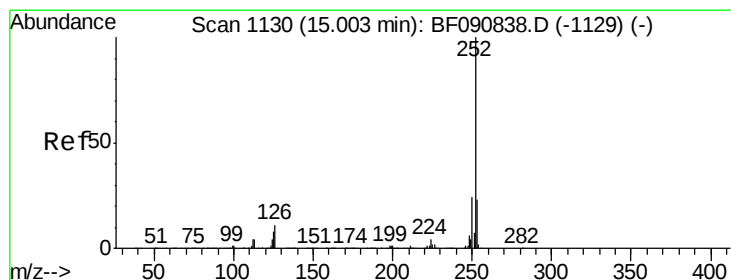
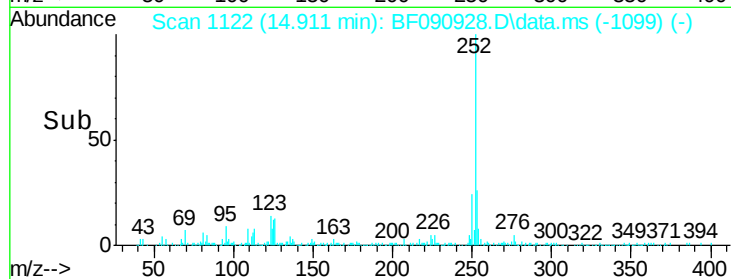
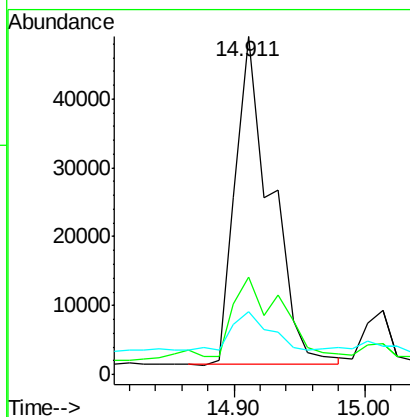
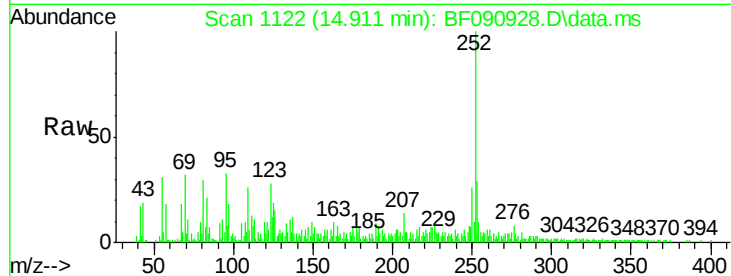
Acq: 31 Oct 2016 15:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	90882
Ion Ratio	Lower	Upper	
252	100		
253	28.8	17.5	26.3#
125	18.7	17.1	25.7



#88

Benzo(k)fluoranthene

Concen: 3.62 ng

RT: 14.911 min Scan# 1122

Delta R.T. -0.057 min

Lab File: BF090928.D

Acq: 31 Oct 2016 15:16

Tgt Ion:	252	Resp:	90882
Ion Ratio	Lower	Upper	
252	100		
253	28.8	17.0	25.4#
125	18.7	16.0	24.0

