

Data Path : Z:\HPCHEM1\BNA F\Data\BF100716\
 Data File : BF090448.D
 Acq On : 7 Oct 2016 16:20
 Operator : UM/SJ
 Sample : H5129-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 07 17:32:37 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF100516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 05 14:57:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.000	152	227435	20.00	ng	0.00
21) Naphthalene-d8	8.337	136	1015692	20.00	ng	0.05
38) Acenaphthene-d10	10.040	164	513033	20.00	ng	-0.01
63) Phenanthrene-d10	11.538	188	708679	20.00	ng	-0.01
75) Chrysene-d12	14.201	240	521290	20.00	ng	0.00
86) Perylene-d12	15.698	264	501277	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	0.000	112	0	0.00	ng	
7) Phenol-d6	6.611	99	3418	0.17	ng	-0.01
23) Nitrobenzene-d5	7.640	82	1367828	65.51	ng	0.07
41) 2,4,6-Tribromophenol	10.852	330	336661	80.70	ng	0.00
44) 2-Fluorobiphenyl	9.377	172	2564066	83.27	ng	0.00
78) Terphenyl-d14	13.161	244	1886904	81.38	ng	0.02

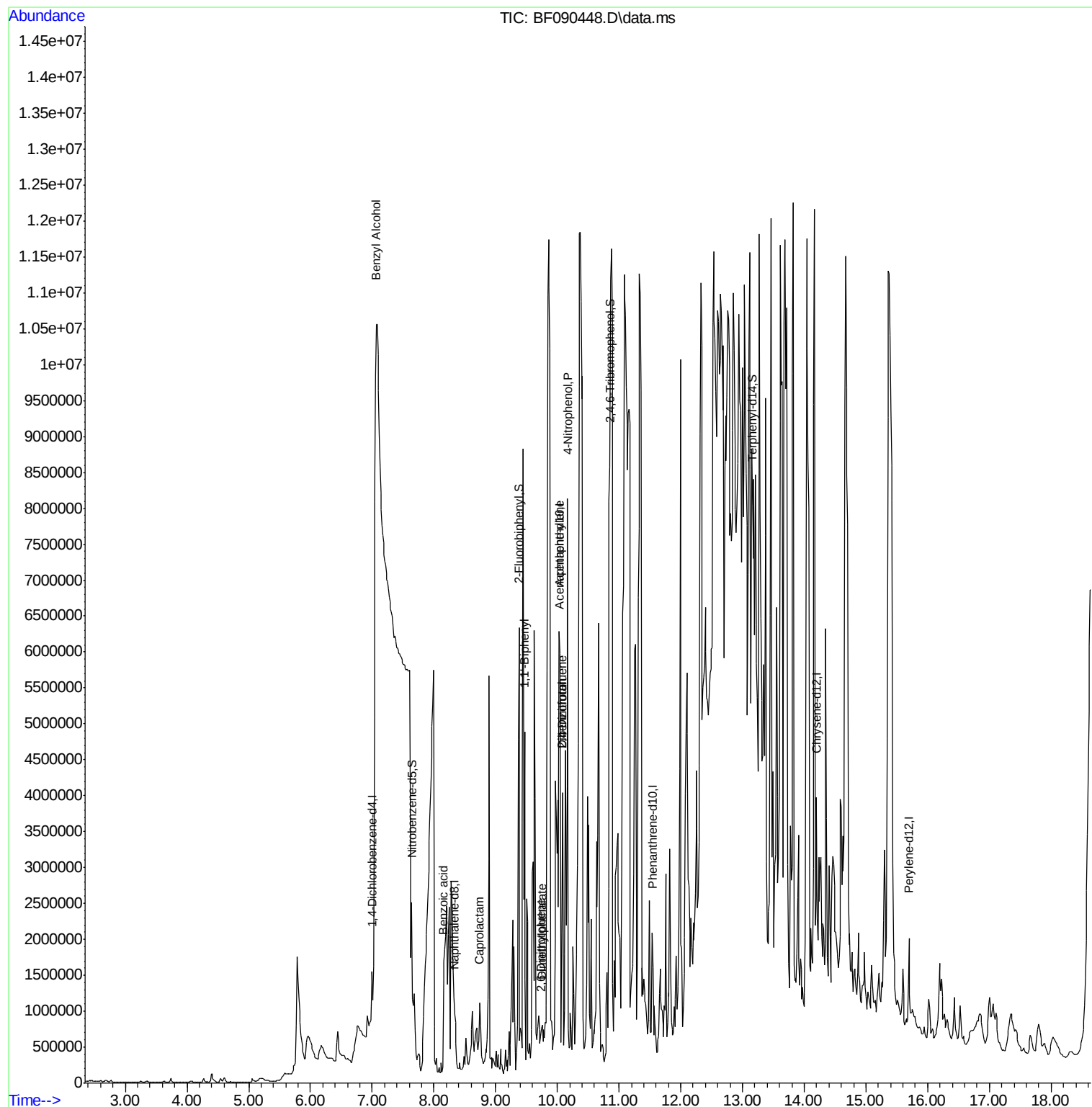
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.069	79	36518	2.41	ng	# 37
32) Benzoic acid	8.155	122	154150	12.78	ng	# 29
35) Caprolactam	8.737	113	9498	2.14	ng	# 1
45) 1,1'-Biphenyl	9.469	154	100695	2.65	ng	# 89
48) Acenaphthylene	10.029	152	349664	7.54	ng	# 45
49) Dimethylphthalate	9.755	163	156299	4.76	ng	# 97
50) 2,6-Dinitrotoluene	9.732	165	17230	2.36	ng	# 45
54) Dibenzofuran	10.086	168	641309	17.15	ng	# 60
55) 4-Nitrophenol	10.166	139	24610	3.30	ng	# 52
56) 2,4-Dinitrotoluene	10.086	165	216643	22.32	ng	# 63

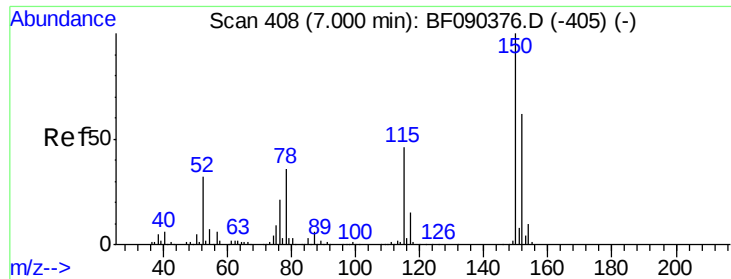
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.000 min Scan# 40

Delta R.T. -0.000 min

Lab File: BF090448.D

Acq: 7 Oct 2016 16:20

Instrument :

BNA_F

ClientSampleId :

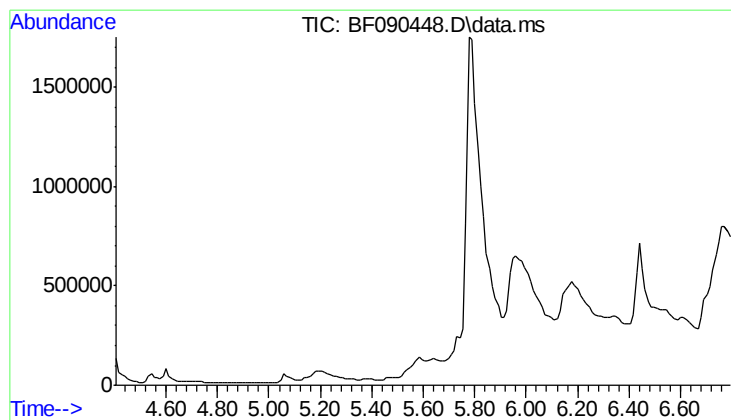
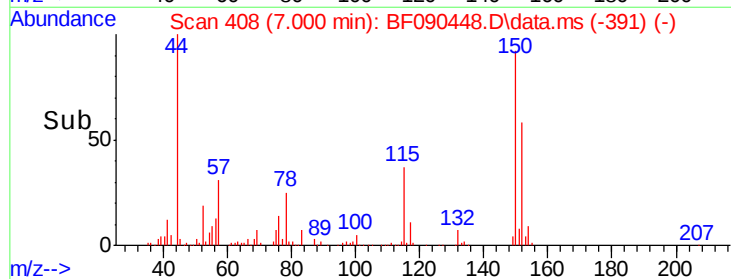
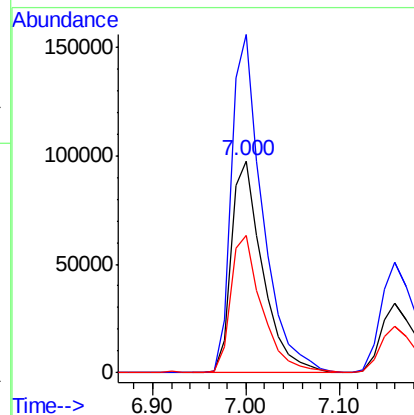
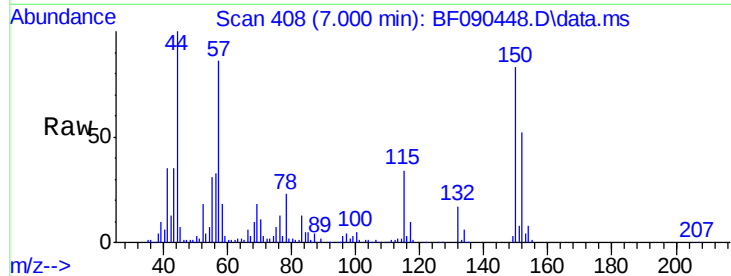
Tot Ion:152 Resp: 227435

Ion Ratio Lower Upper

152 100

150 159.7 124.6 186.8

115 64.6 46.2 69.4



#5

2-Fluorophenol

Concen: 0.00 ng

Expected RT: 5.61 min

Lab File: BF090448.D

Acq: 7 Oct 2016 16:20

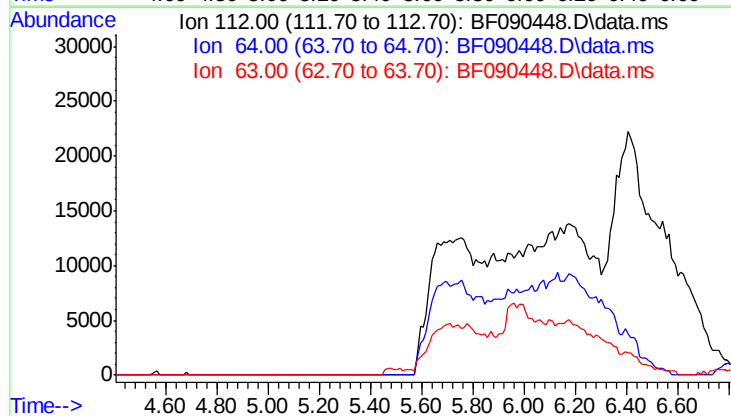
Tgt Ion: 112

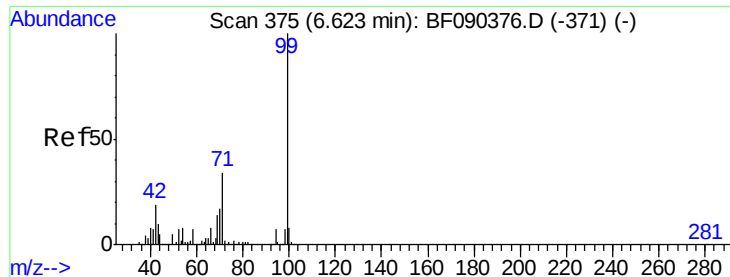
Sig Exp Ratio

112 100

64 72.4

63 37.0





#7

Phenol-d6

Concen: 0.17 ng

RT: 6.611 min Scan# 37

Delta R.T. -0.012 min

Lab File: BF090448.D

Acq: 7 Oct 2016 16:20

Instrument :

BNA_F

ClientSampleId :

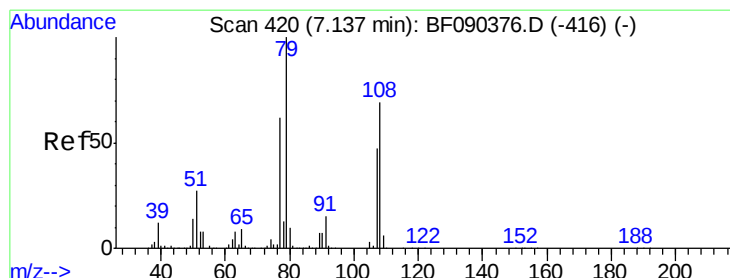
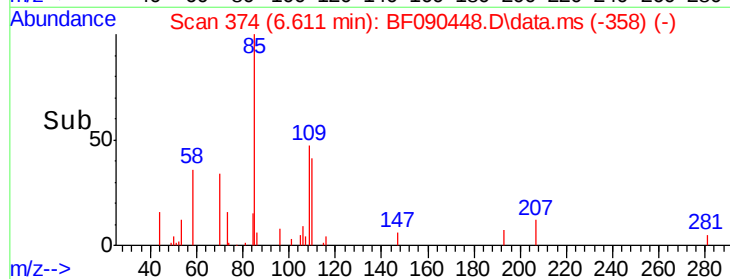
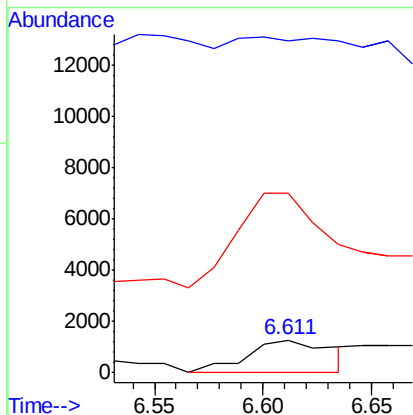
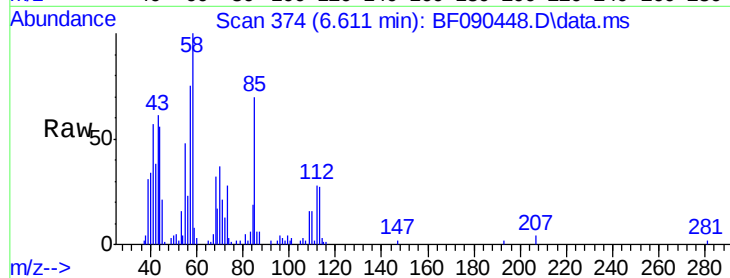
Tot Ion: 99 Resp: 3418

Ion Ratio Lower Upper

99 100

42 1014.0 20.0 30.0#

71 549.4 27.9 41.9#



#15

Benzyl Alcohol

Concen: 2.41 ng

RT: 7.069 min Scan# 414

Delta R.T. -0.069 min

Lab File: BF090448.D

Acq: 7 Oct 2016 16:20

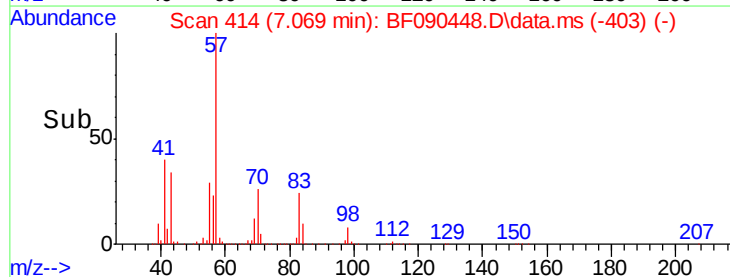
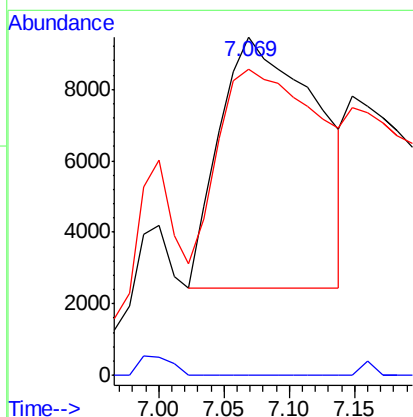
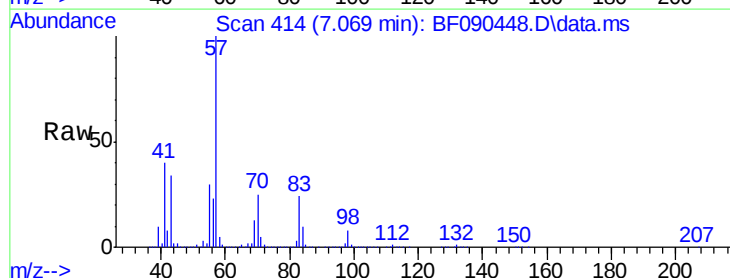
Tgt Ion: 79 Resp: 36518

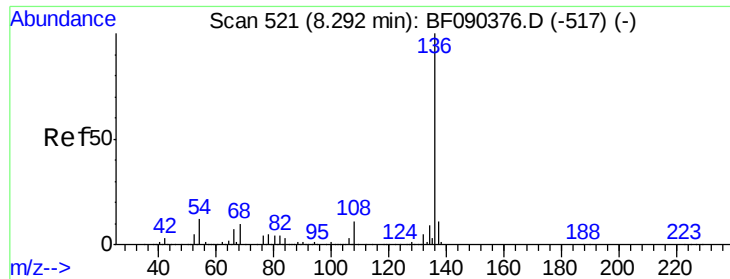
Ion Ratio Lower Upper

79 100

108 0.0 60.9 91.3#

77 90.5 51.5 77.3#

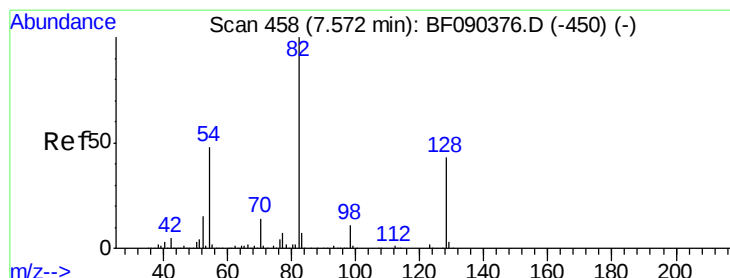
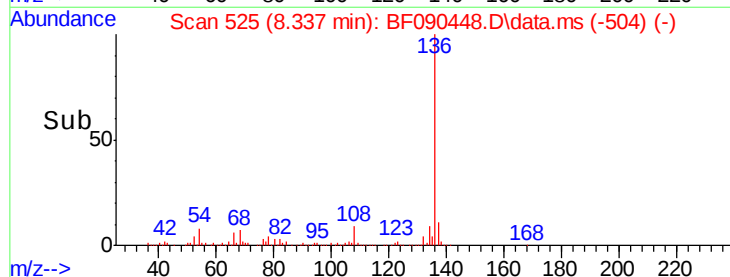
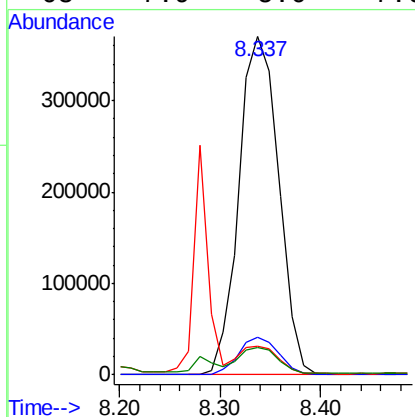
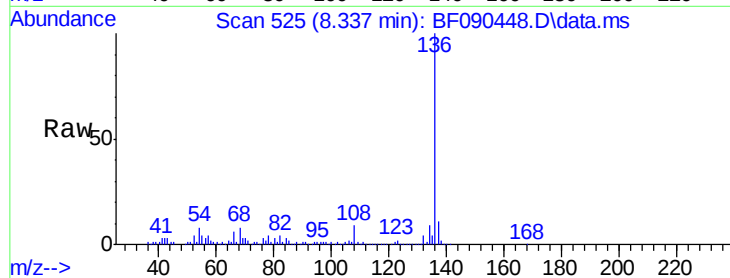




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.337 min Scan# 521
Delta R.T. 0.046 min
Lab File: BF090448.D
Acq: 7 Oct 2016 16:20

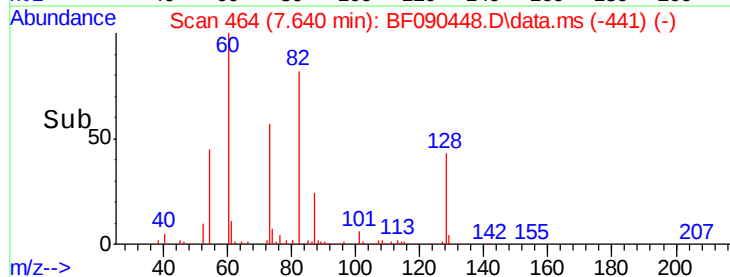
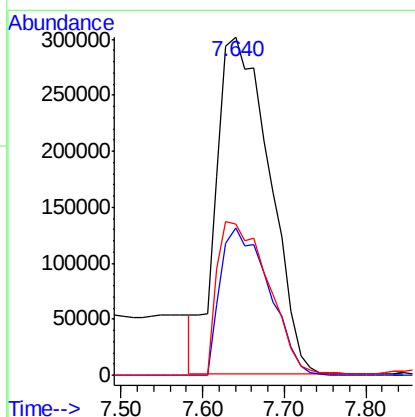
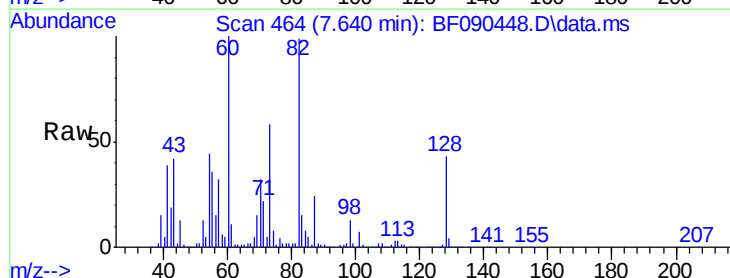
Instrument :
BNA_F
ClientSampleId :

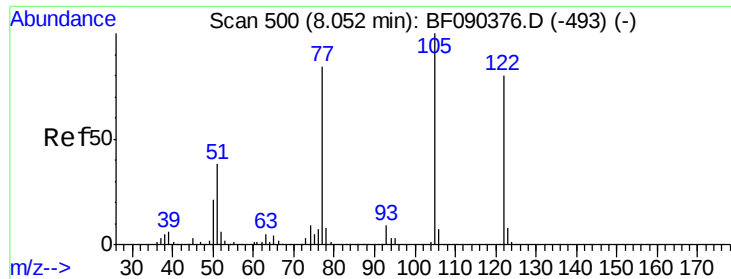
Tot Ion:136	Resp: 1015692
Ion Ratio	Lower Upper
136 100	
137 11.0	9.0 13.6
54 8.3	6.6 10.0
68 7.9	5.0 7.6#



#23
Nitrobenzene-d5
Concen: 65.51 ng
RT: 7.640 min Scan# 464
Delta R.T. 0.068 min
Lab File: BF090448.D
Acq: 7 Oct 2016 16:20

Tgt Ion: 82	Resp: 1367828
Ion Ratio	Lower Upper
82 100	
128 43.7	40.0 60.0
54 44.7	42.6 64.0

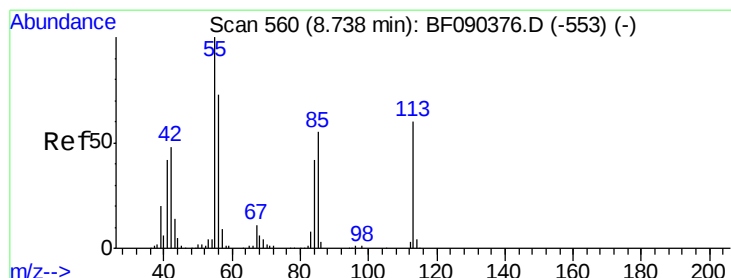
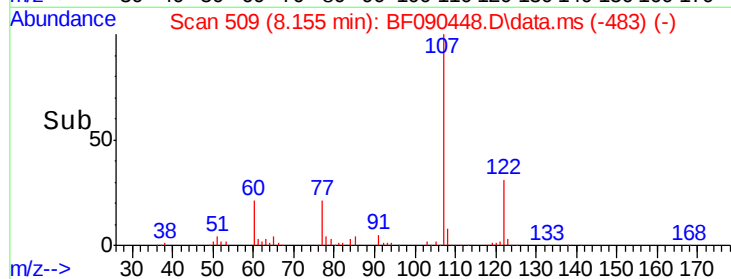
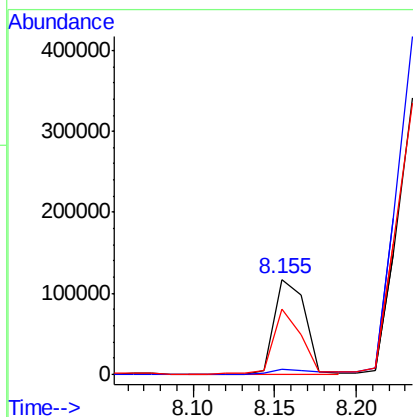
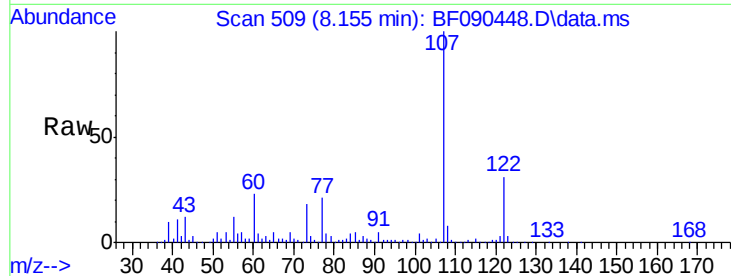




#32
Benzoic acid
Concen: 12.78 ng
RT: 8.155 min Scan# 500
Delta R.T. 0.103 min
Lab File: BF090448.D
Acq: 7 Oct 2016 16:20

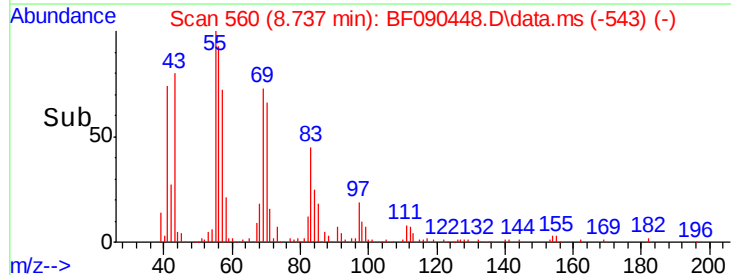
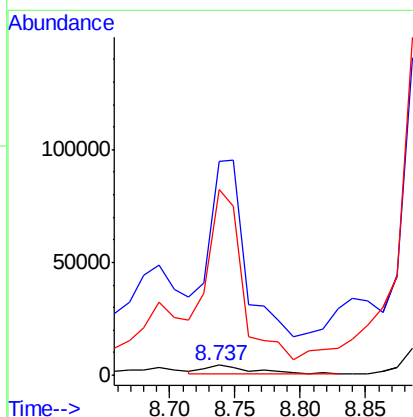
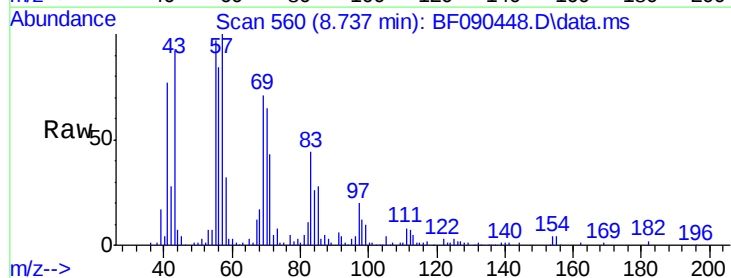
Instrument :
BNA_F
ClientSampleId :

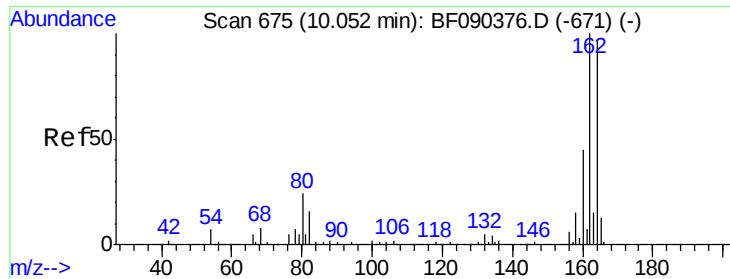
Tot Ion	Ratio	Lower	Upper
122	100		
105	5.2	103.9	143.9#
77	68.9	74.6	114.6#



#35
Caprolactam
Concen: 2.14 ng
RT: 8.737 min Scan# 560
Delta R.T. -0.000 min
Lab File: BF090448.D
Acq: 7 Oct 2016 16:20

Tgt Ion	Ratio	Lower	Upper
113	100		
55	2126.3	203.3	243.3#
56	1839.0	140.5	180.5#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.040 min Scan# 67

Delta R.T. -0.012 min

Lab File: BF090448.D

Acq: 7 Oct 2016 16:20

Instrument :

BNA_F

ClientSampleId :

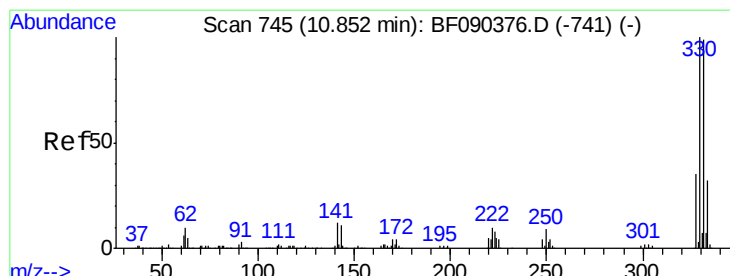
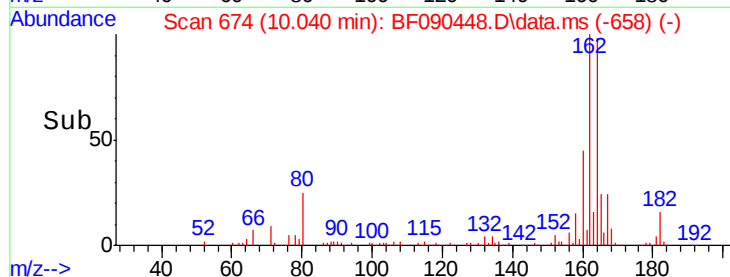
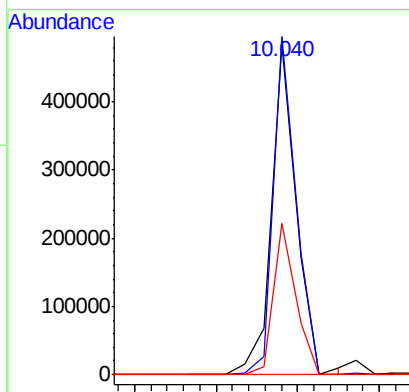
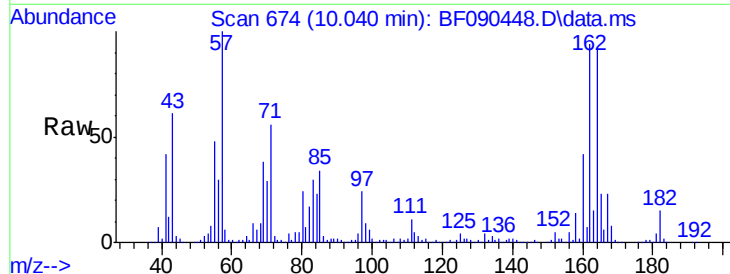
Tot Ion:164 Resp: 513033

Ion Ratio Lower Upper

164 100

162 102.5 80.1 120.1

160 45.7 36.3 54.5



#41

2,4,6-Tribromophenol

Concen: 80.70 ng

RT: 10.852 min Scan# 745

Delta R.T. -0.000 min

Lab File: BF090448.D

Acq: 7 Oct 2016 16:20

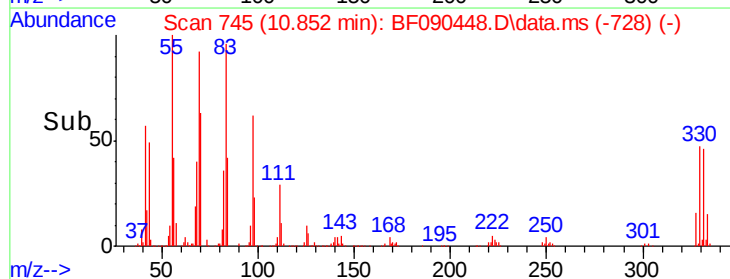
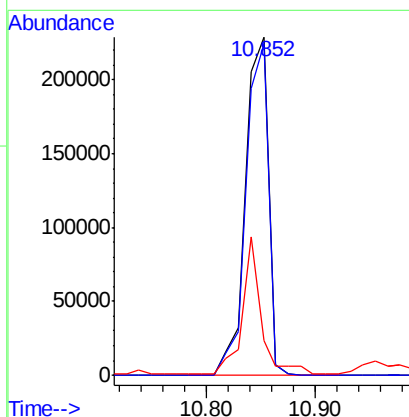
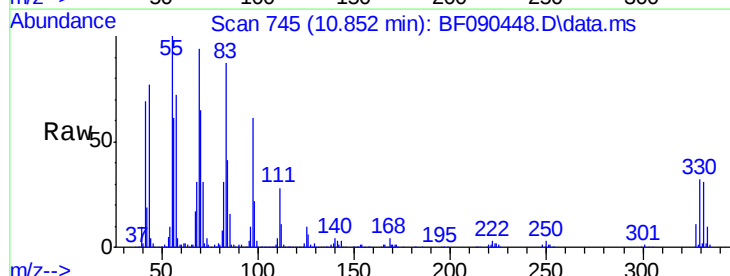
Tgt Ion:330 Resp: 336661

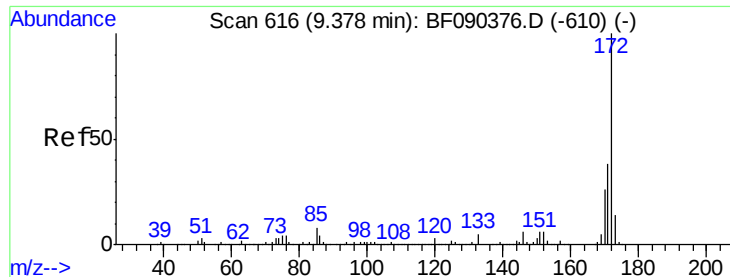
Ion Ratio Lower Upper

330 100

332 96.2 75.4 113.0

141 32.7 26.9 40.3

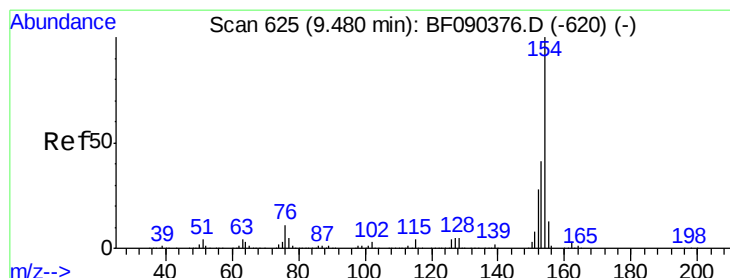
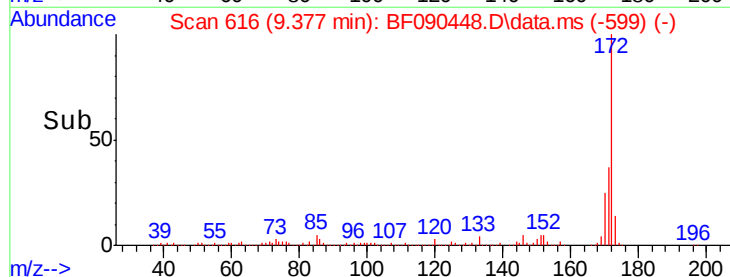
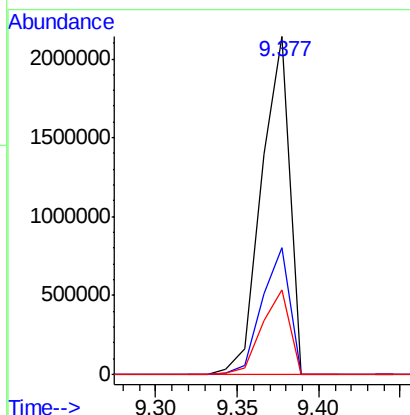
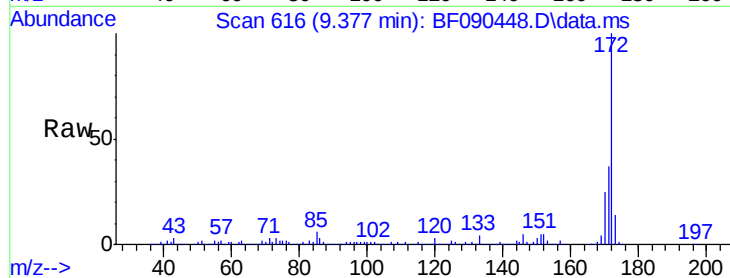




#44
2-Fluorobiphenyl
Concen: 83.27 ng
RT: 9.377 min Scan# 61
Delta R.T. -0.000 min
Lab File: BF090448.D
Acq: 7 Oct 2016 16:20

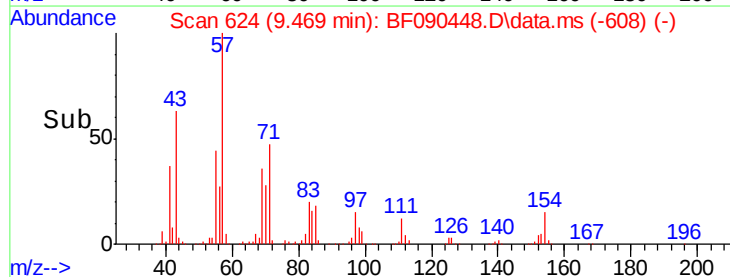
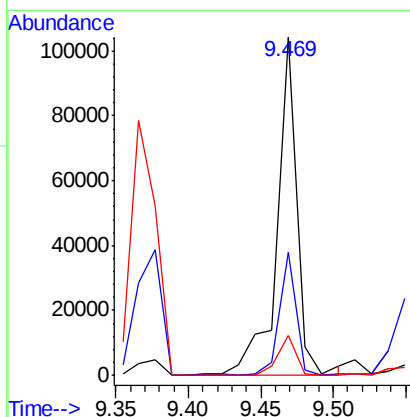
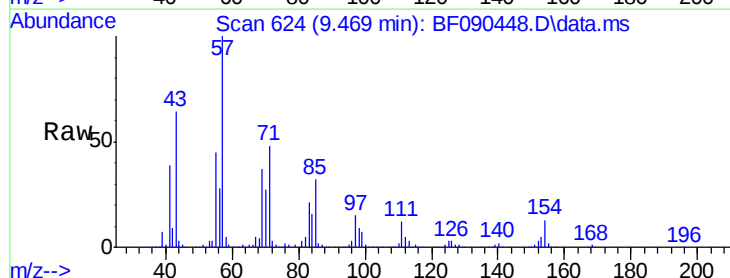
Instrument :
BNA_F
ClientSampleId :

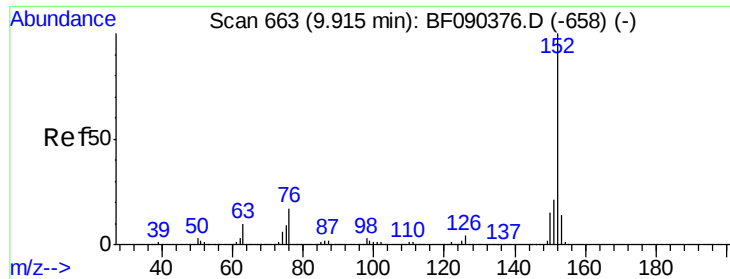
Tot Ion:172 Resp: 2564066
Ion Ratio Lower Upper
172 100
171 37.5 31.8 47.8
170 25.1 21.7 32.5



#45
1,1'-Biphenyl
Concen: 2.65 ng
RT: 9.469 min Scan# 624
Delta R.T. -0.012 min
Lab File: BF090448.D
Acq: 7 Oct 2016 16:20

Tgt Ion:154 Resp: 100695
Ion Ratio Lower Upper
154 100
153 36.3 23.8 63.8
76 11.8 0.0 35.8





#48

Acenaphthylene

Concen: 7.54 ng

RT: 10.029 min Scan# 671

Delta R.T. 0.114 min

Lab File: BF090448.D

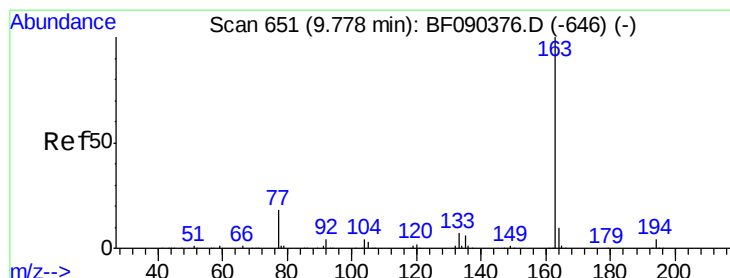
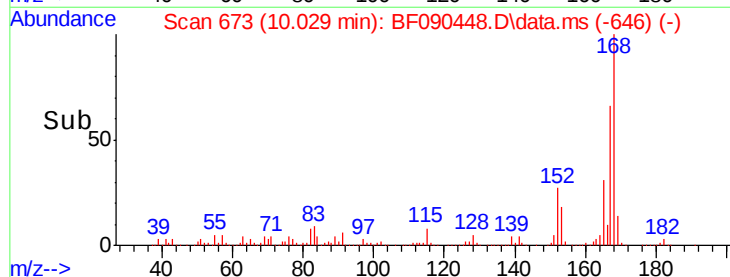
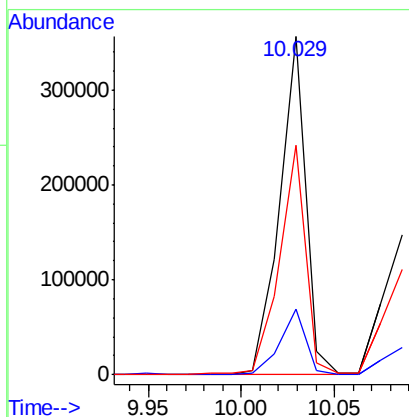
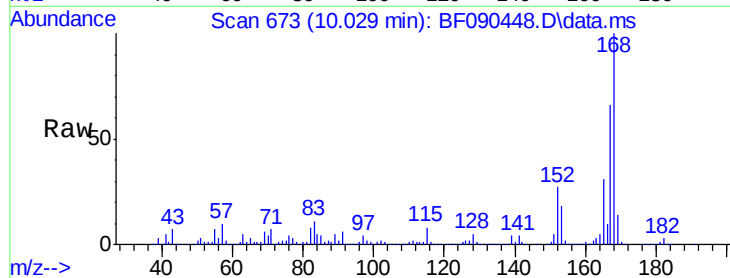
Acq: 7 Oct 2016 16:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	152	Resp:	349664
Ion Ratio	Lower	Upper	
152	100		
151	19.2	17.4	26.0
153	67.7	11.6	17.4#



#49

Dimethylphthalate

Concen: 4.76 ng

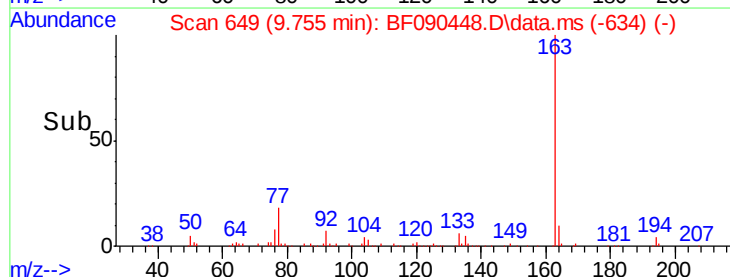
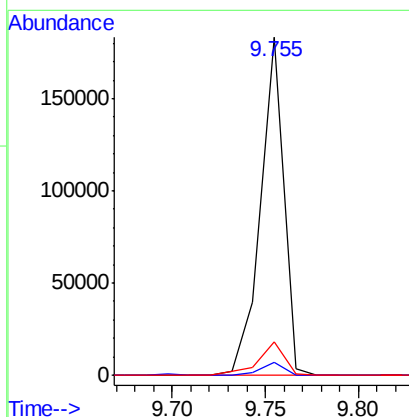
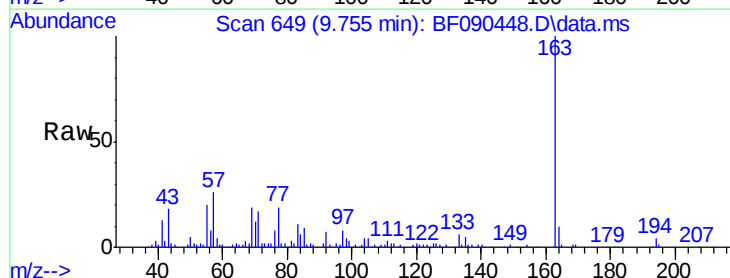
RT: 9.755 min Scan# 649

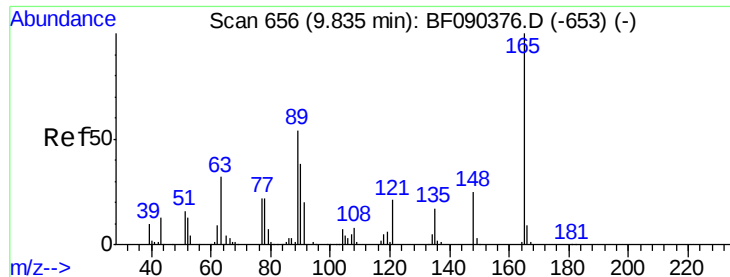
Delta R.T. -0.023 min

Lab File: BF090448.D

Acq: 7 Oct 2016 16:20

Tgt Ion:	163	Resp:	156299
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.8	4.2
164	9.8	9.0	13.4

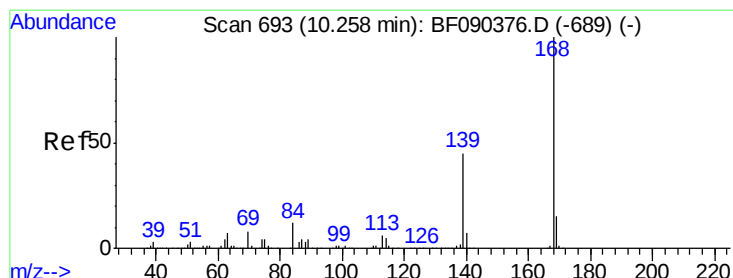
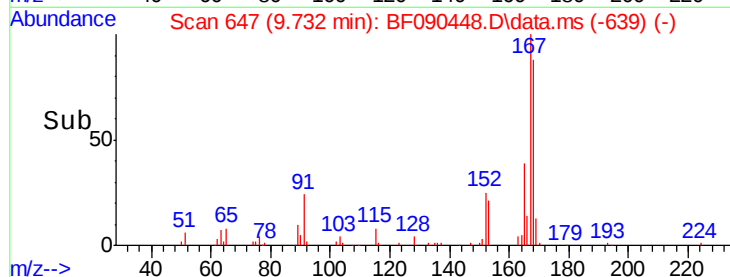
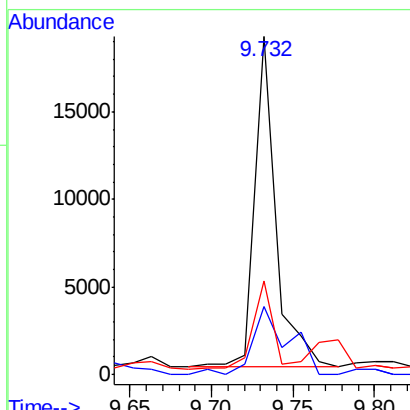
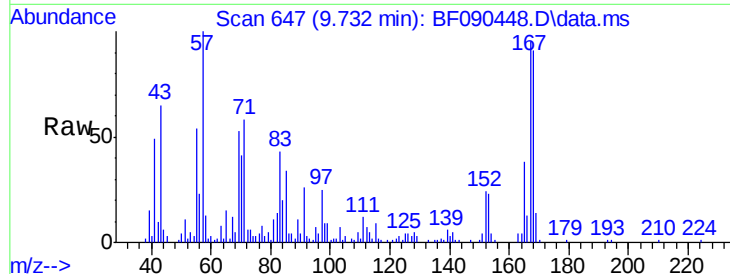




#50
 2,6-Dinitrotoluene
 Concen: 2.36 ng
 RT: 9.732 min Scan# 641
 Delta R.T. -0.103 min
 Lab File: BF090448.D
 Acq: 7 Oct 2016 16:20

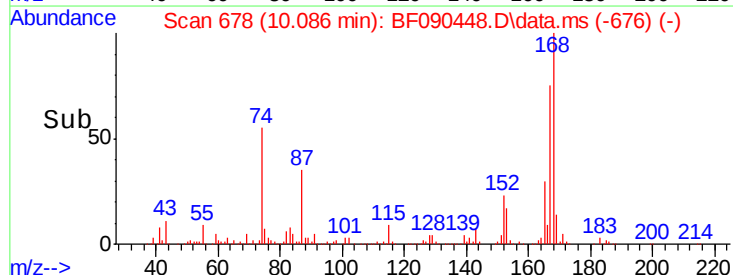
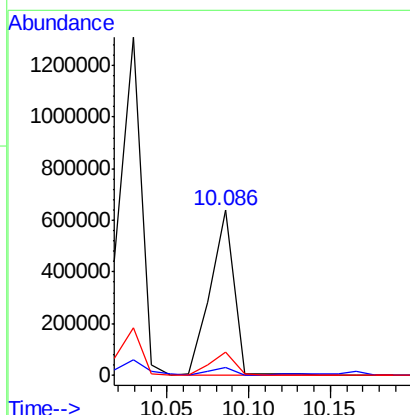
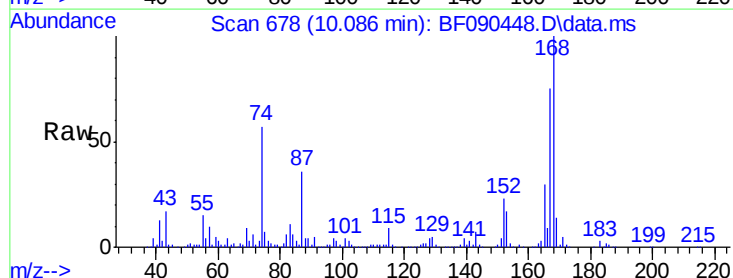
Instrument :
 BNA_F
 ClientSampleId :

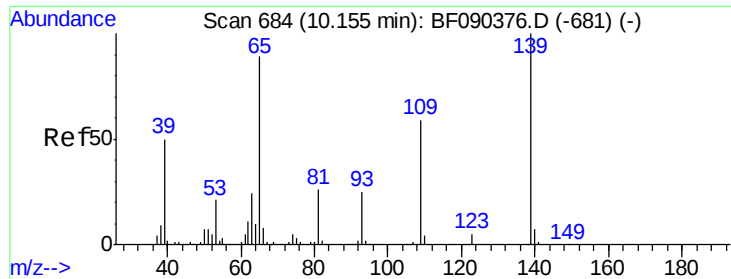
Tot Ion:165 Resp: 17230
 Ion Ratio Lower Upper
 165 100
 63 20.2 58.0 87.0#
 89 27.9 51.2 76.8#



#54
 Dibenzofuran
 Concen: 17.15 ng
 RT: 10.086 min Scan# 678
 Delta R.T. -0.172 min
 Lab File: BF090448.D
 Acq: 7 Oct 2016 16:20

Tgt Ion:168 Resp: 641309
 Ion Ratio Lower Upper
 168 100
 139 4.4 29.6 44.4#
 169 14.2 11.3 16.9

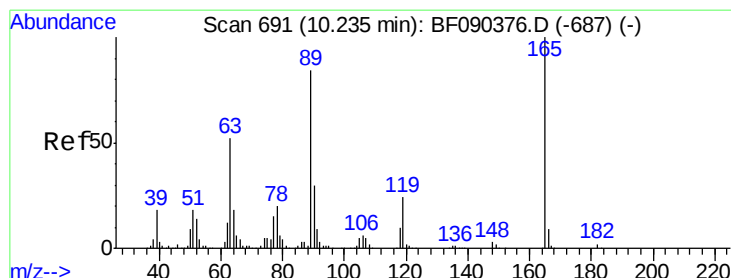
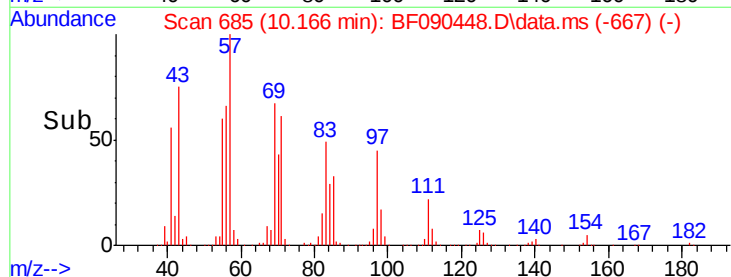
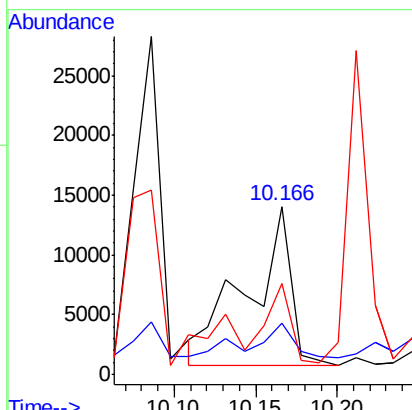
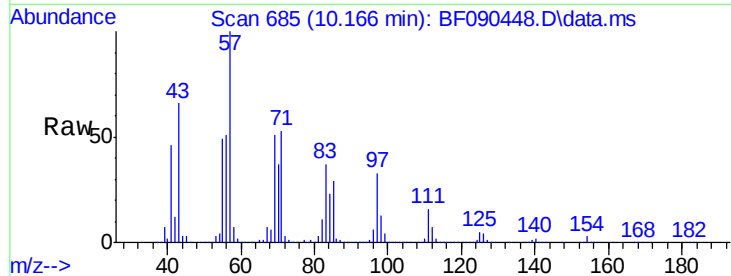




#55
4-Nitrophenol
Concen: 3.30 ng
RT: 10.166 min Scan# 681
Delta R.T. 0.011 min
Lab File: BF090448.D
Acq: 7 Oct 2016 16:20

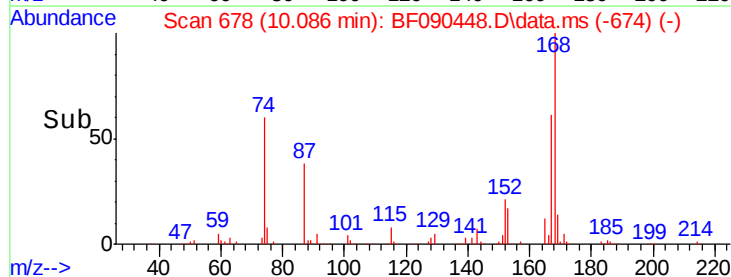
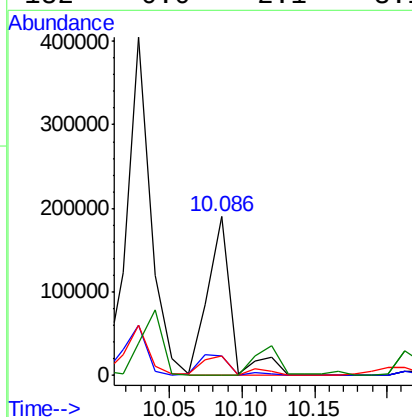
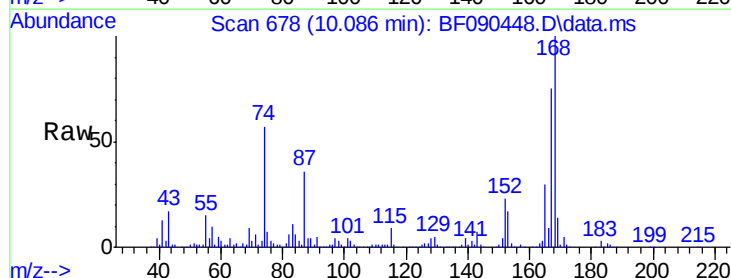
Instrument :
BNA_F
ClientSampleId :

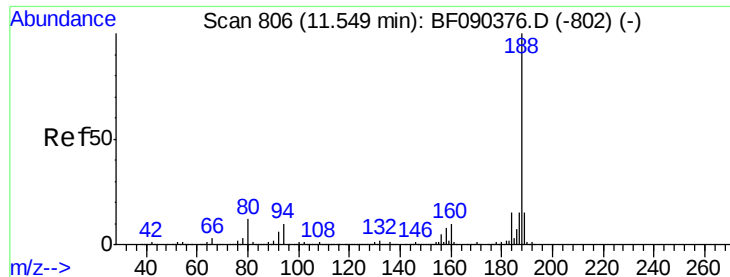
Tot Ion:139 Resp: 24610
Ion Ratio Lower Upper
139 100
109 30.9 43.6 83.6#
65 54.3 87.5 127.5#



#56
2,4-Dinitrotoluene
Concen: 22.32 ng
RT: 10.086 min Scan# 678
Delta R.T. -0.149 min
Lab File: BF090448.D
Acq: 7 Oct 2016 16:20

Tgt Ion:165 Resp: 216643
Ion Ratio Lower Upper
165 100
63 12.1 17.8 26.6#
89 11.8 33.2 49.8#
182 0.0 2.1 3.1#

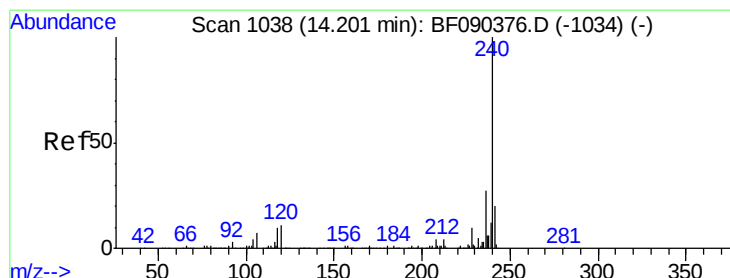
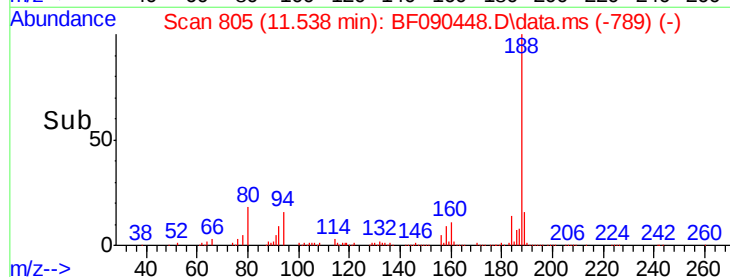
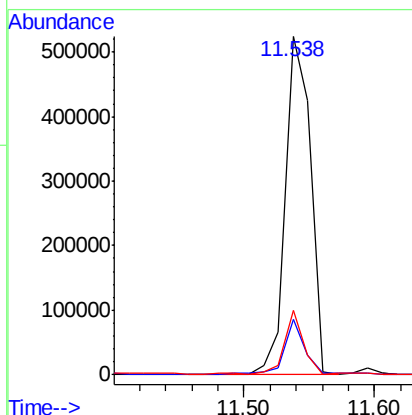
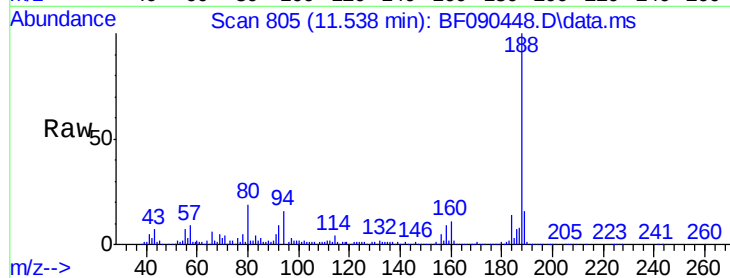




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.538 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF090448.D
Acq: 7 Oct 2016 16:20

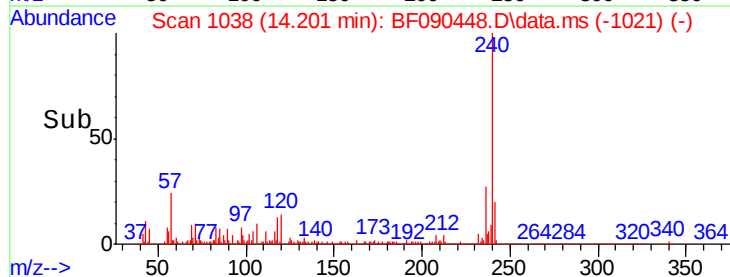
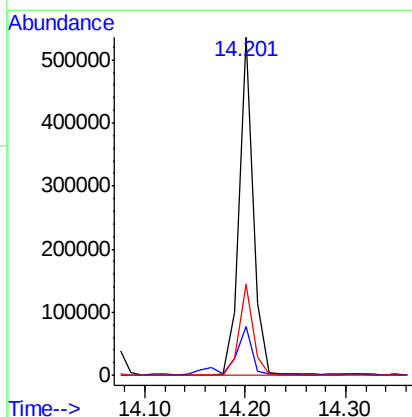
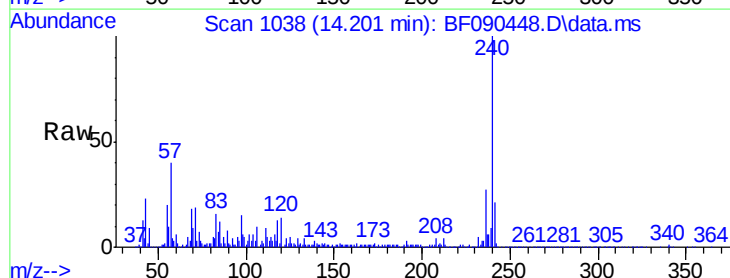
Instrument :
BNA_F
ClientSampleId :

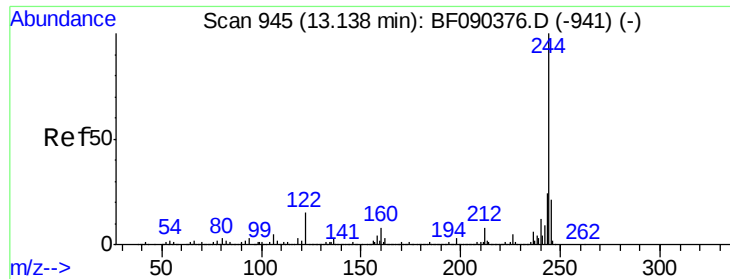
Tot Ion	Ratio	Lower	Upper
188	100		
94	16.3	8.2	12.2#
80	18.8	8.8	13.2#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.201 min Scan# 1038
Delta R.T. -0.000 min
Lab File: BF090448.D
Acq: 7 Oct 2016 16:20

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.5	8.6	13.0#
236	27.0	21.6	32.4

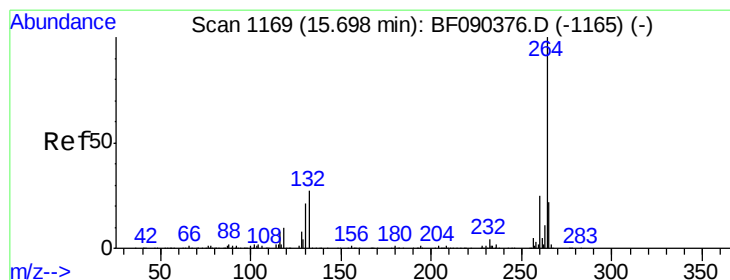
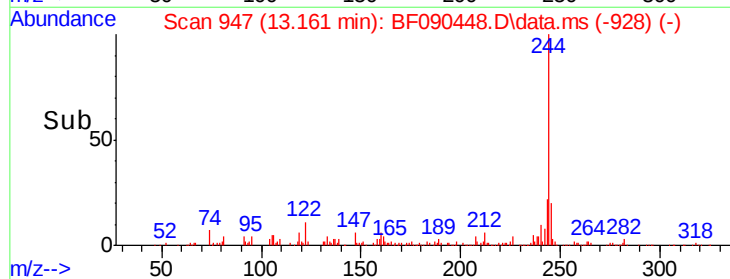
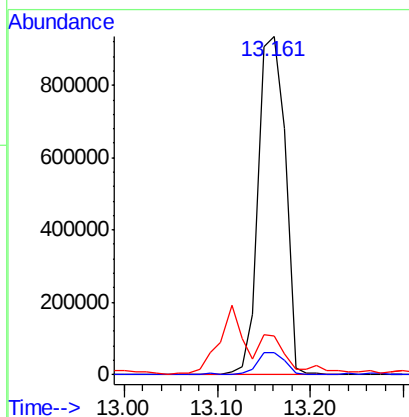
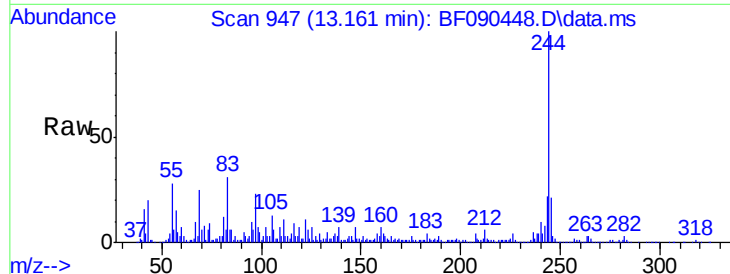




#78
 Terphenyl-d14
 Concen: 81.38 ng
 RT: 13.161 min Scan# 94
 Delta R.T. 0.023 min
 Lab File: BF090448.D
 Acq: 7 Oct 2016 16:20

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1886904
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.8 10.2#
 122 11.5 13.3 19.9#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.698 min Scan# 1169
 Delta R.T. -0.000 min
 Lab File: BF090448.D
 Acq: 7 Oct 2016 16:20

Tgt Ion:264 Resp: 501277
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.3 28.9
 265 21.9 17.4 26.0

