

Data Path : Z:\HPCHEM1\BNA F\Data\BF092916\
 Data File : BF090290.D
 Acq On : 29 Sep 2016 13:43
 Operator : UM/SJ
 Sample : H4982-12 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 29 14:32:50 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 26 15:58:38 2016
 Response via : Initial Calibration

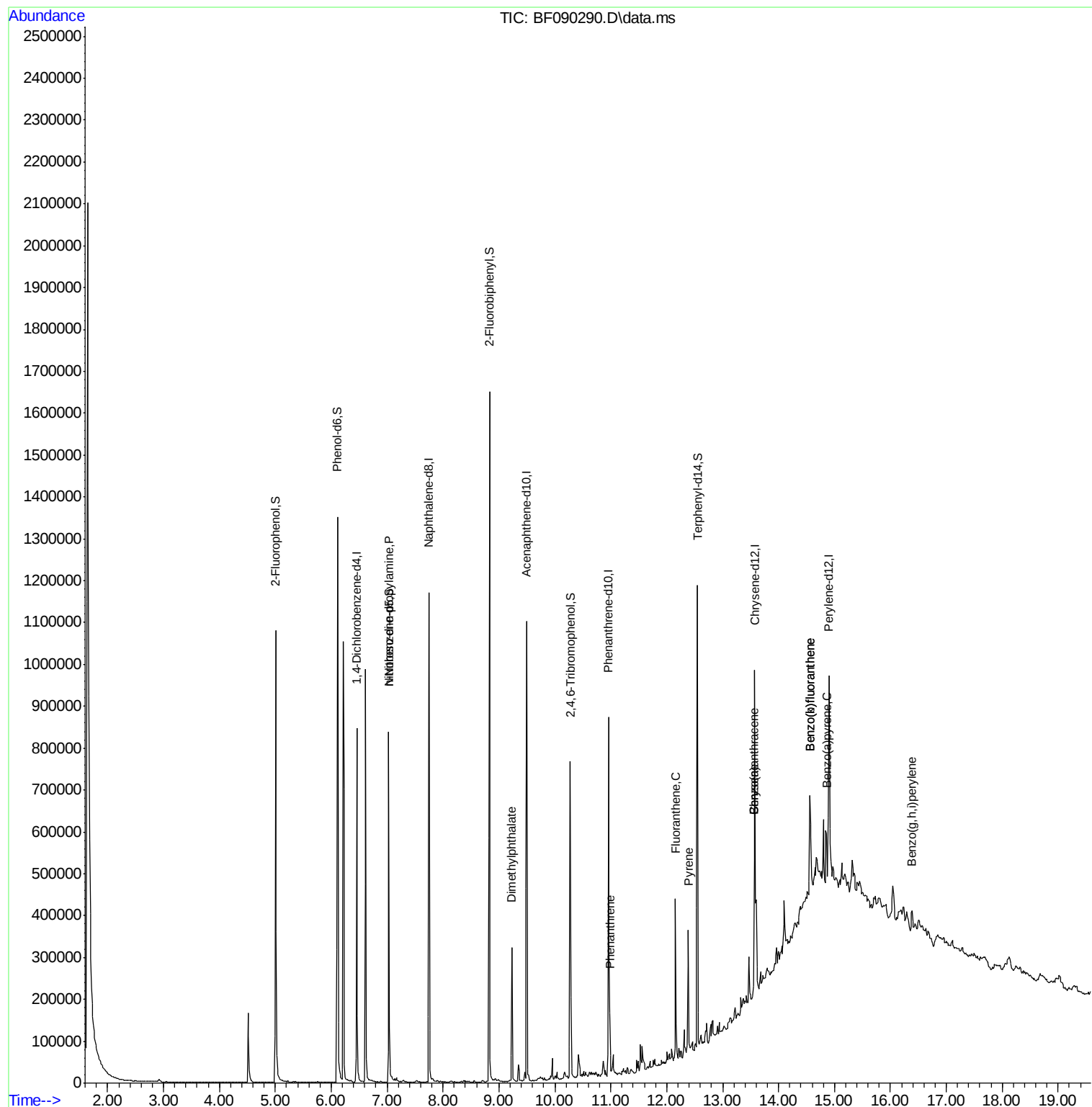
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.456	152	136416	20.00	ng	-0.02
21) Naphthalene-d8	7.747	136	526672	20.00	ng	-0.02
38) Acenaphthene-d10	9.496	164	271992	20.00	ng	-0.01
63) Phenanthrene-d10	10.959	188	340743	20.00	ng	-0.02
75) Chrysene-d12	13.577	240	255546	20.00	ng	-0.02
86) Perylene-d12	14.903	264	208372	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.004	112	383048	45.77	ng	-0.02
7) Phenol-d6	6.113	99	548905	53.11	ng	-0.02
23) Nitrobenzene-d5	7.027	82	298650	32.87	ng	-0.03
41) 2,4,6-Tribromophenol	10.273	330	94847	40.65	ng	-0.02
44) 2-Fluorobiphenyl	8.833	172	587637	42.41	ng	-0.02
78) Terphenyl-d14	12.548	244	358337	35.60	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.027	70	32722	5.39	ng	Qvalue # 82
49) Dimethylphthalate	9.233	163	137155	7.92	ng	99
70) Phenanthrene	10.982	178	50558	3.17	ng	99
74) Fluoranthene	12.159	202	150767	8.81	ng	97
77) Pyrene	12.388	202	144158	8.24	ng	97
80) Benzo(a)anthracene	13.565	228	97713	7.11	ng	93
82) Chrysene	13.565	228	97713	7.30	ng	97
87) Benzo(b)fluoranthene	14.560	252	156854	13.59	ng	96
88) Benzo(k)fluoranthene	14.560	252	156854	14.48	ng	# 91
89) Benzo(a)pyrene	14.857	252	76970	7.09	ng	# 93
91) Benzo(g,h,i)perylene	16.388	276	46730	5.64	ng	94

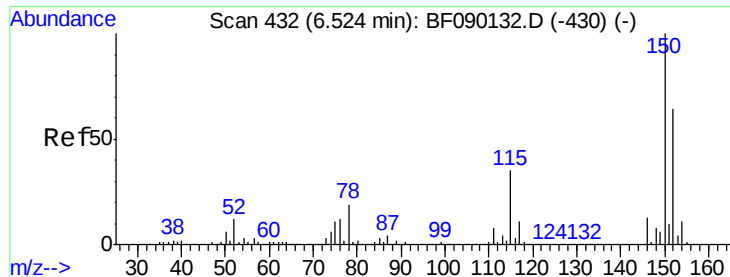
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.456 min Scan# 42

Delta R.T. -0.023 min

Lab File: BF090290.D

Acq: 29 Sep 2016 13:43

Instrument :

BNA_F

ClientSampleId :

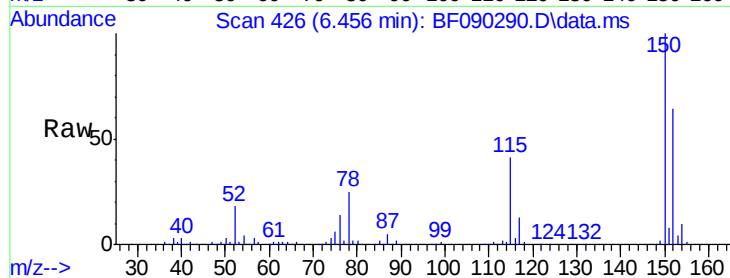
Tot Ion:152 Resp: 136416

Ion Ratio Lower Upper

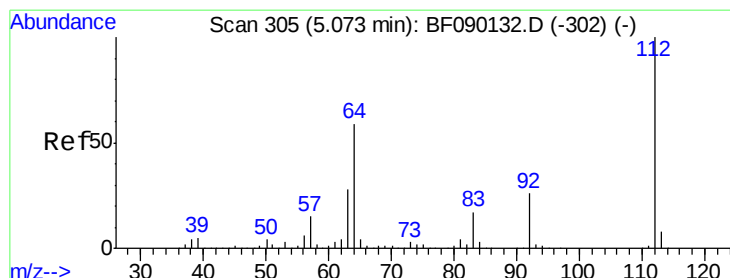
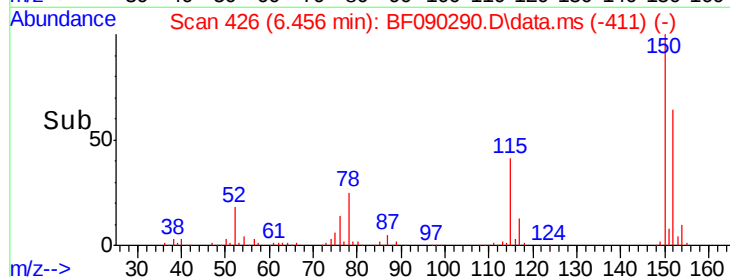
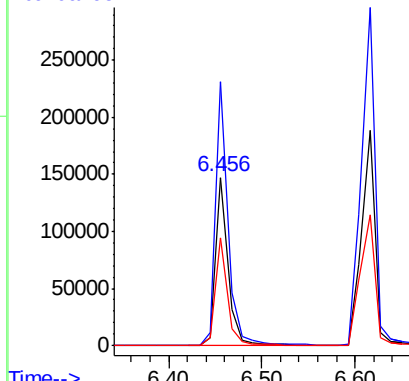
152 100

150 156.5 128.9 193.3

115 64.3 55.5 83.3



Abundance



#5

2-Fluorophenol

Concen: 45.77 ng

RT: 5.004 min Scan# 299

Delta R.T. -0.023 min

Lab File: BF090290.D

Acq: 29 Sep 2016 13:43

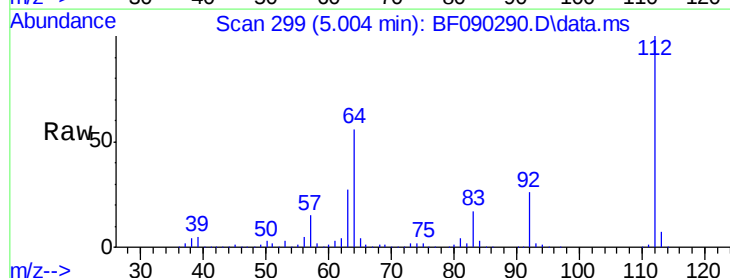
Tgt Ion:112 Resp: 383048

Ion Ratio Lower Upper

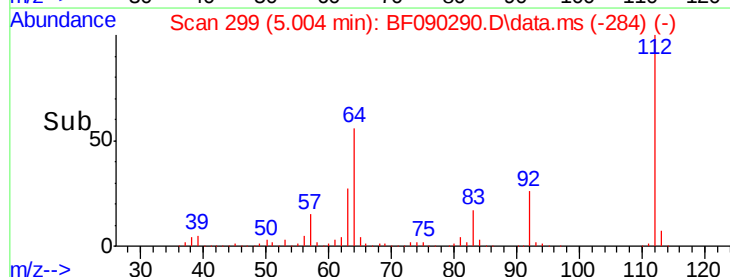
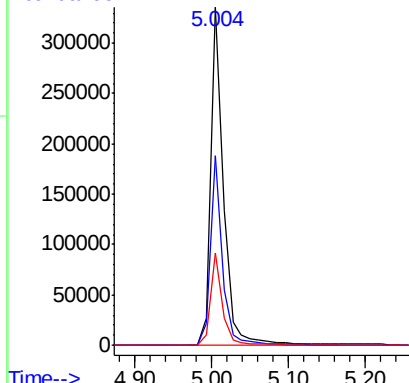
112 100

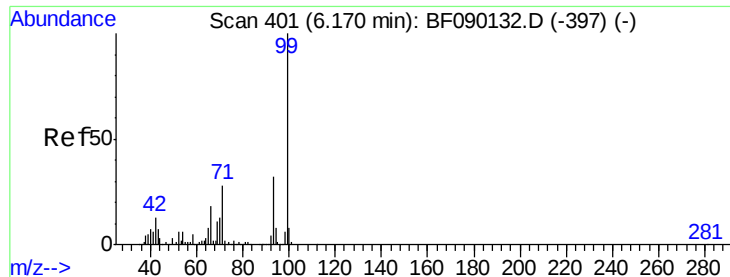
64 56.2 39.8 59.6

63 27.3 18.9 28.3



Abundance





#7

Phenol-d6

Concen: 53.11 ng

RT: 6.113 min Scan# 39

Delta R.T. -0.023 min

Lab File: BF090290.D

Acq: 29 Sep 2016 13:43

Instrument :

BNA_F

ClientSampled :

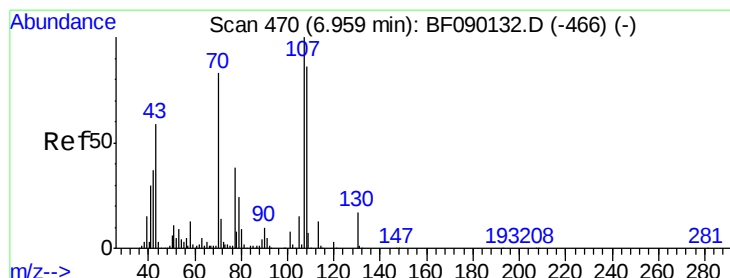
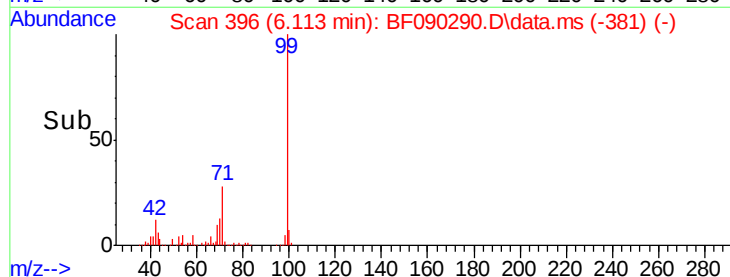
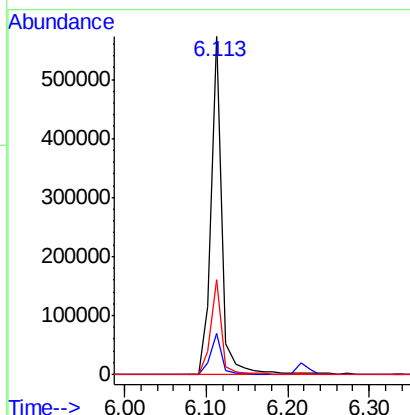
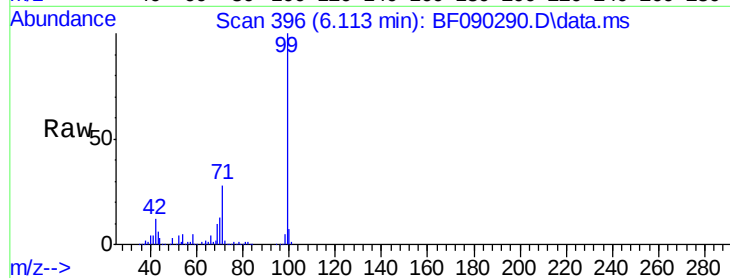
Tot Ion: 99 Resp: 548905

Ion Ratio Lower Upper

99 100

42 12.3 10.6 15.8

71 28.1 23.0 34.6



#19

n-Nitroso-di-n-propylamine

Concen: 5.39 ng

RT: 7.027 min Scan# 476

Delta R.T. 0.114 min

Lab File: BF090290.D

Acq: 29 Sep 2016 13:43

Tgt Ion: 70 Resp: 32722

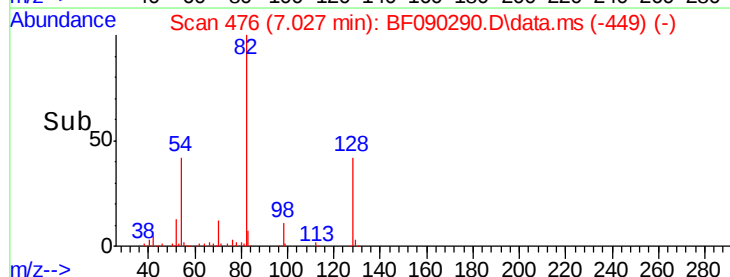
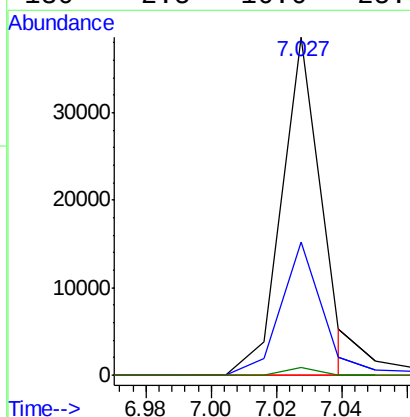
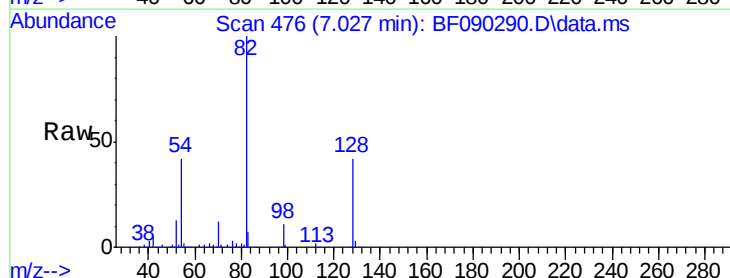
Ion Ratio Lower Upper

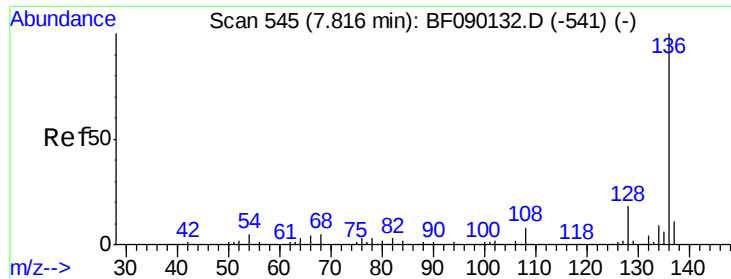
70 100

42 39.5 35.1 52.7

101 0.0 7.5 11.3#

130 2.5 16.6 25.0#

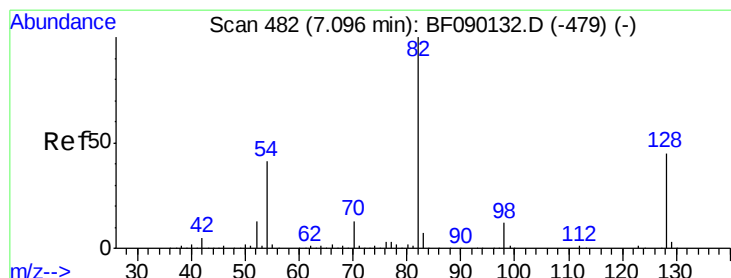
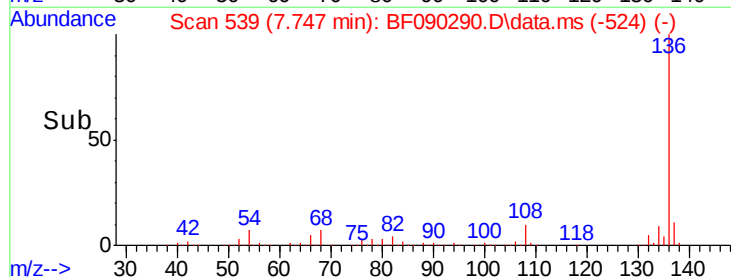
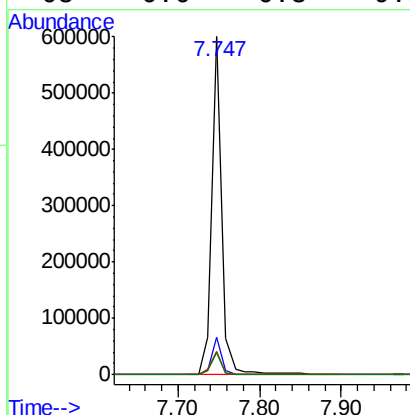
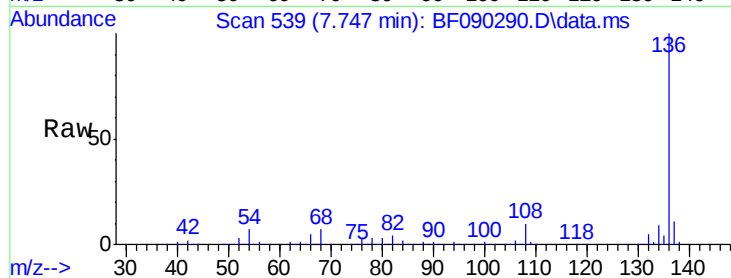




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.747 min Scan# 531
Delta R.T. -0.023 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

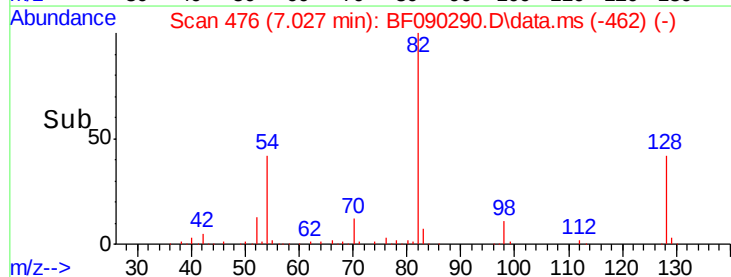
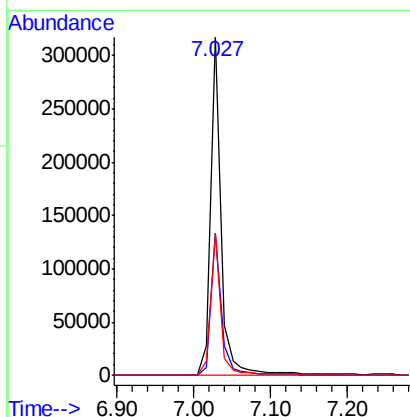
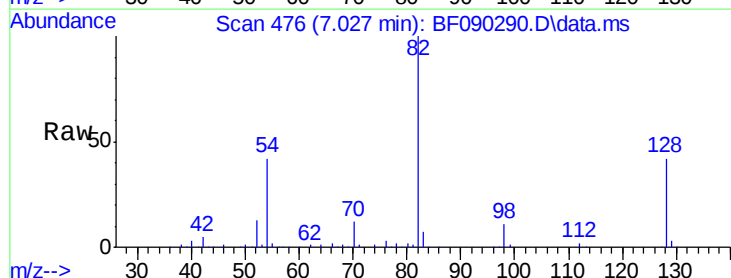
Instrument :
BNA_F
ClientSampled :

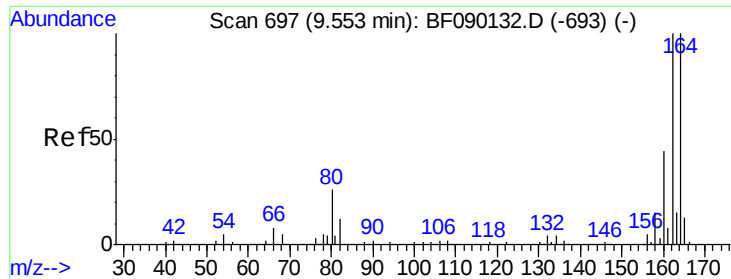
Tot Ion:136	Resp:	526672
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.0 13.4
54	6.8	6.4 9.6
68	6.6	6.3 9.5



#23
Nitrobenzene-d5
Concen: 32.87 ng
RT: 7.027 min Scan# 476
Delta R.T. -0.034 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion: 82	Resp:	298650
Ion Ratio	Lower	Upper
82	100	
128	41.9	37.5 56.3
54	42.1	31.9 47.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.496 min Scan# 69

Delta R.T. -0.011 min

Lab File: BF090290.D

Acq: 29 Sep 2016 13:43

Instrument :

BNA_F

ClientSampleId :

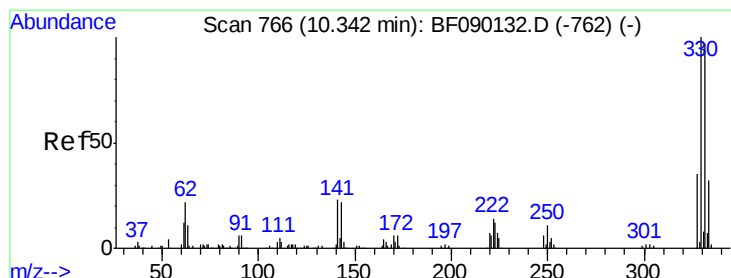
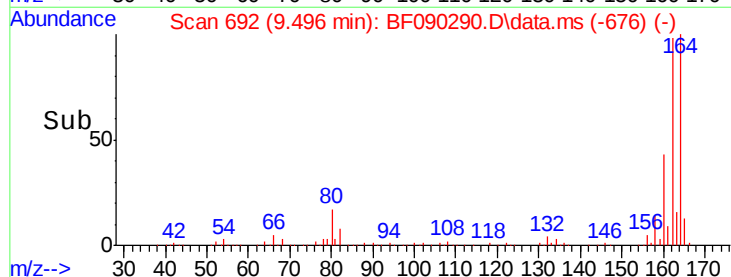
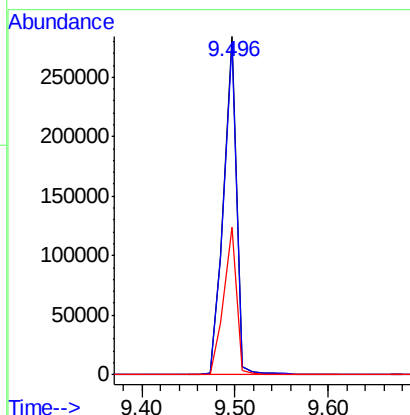
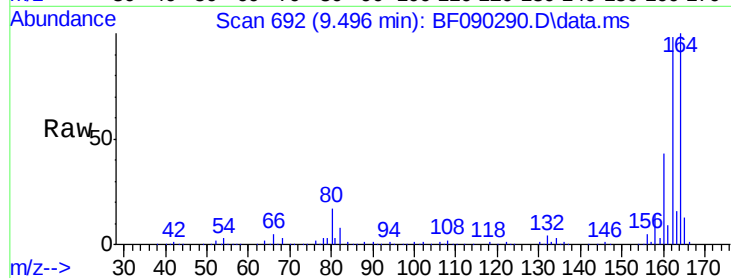
Tot Ion:164 Resp: 271992

Ion Ratio Lower Upper

164 100

162 98.2 81.4 122.2

160 43.5 36.6 54.8



#41

2,4,6-Tribromophenol

Concen: 40.65 ng

RT: 10.273 min Scan# 760

Delta R.T. -0.023 min

Lab File: BF090290.D

Acq: 29 Sep 2016 13:43

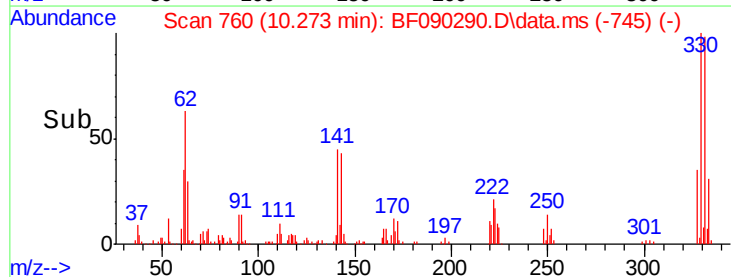
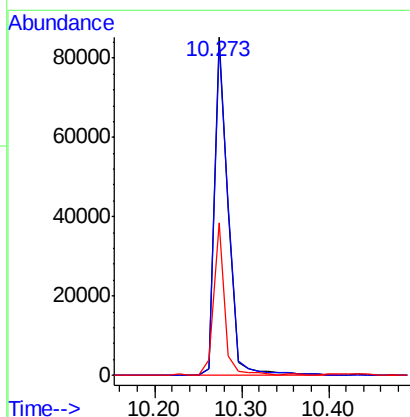
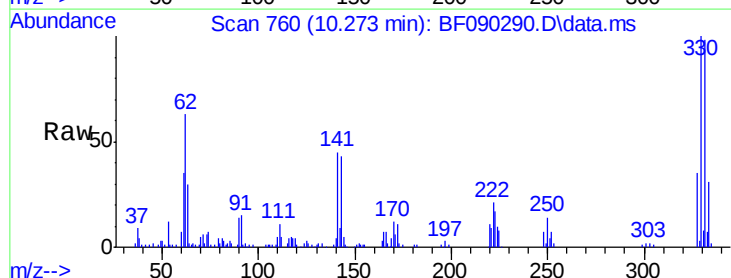
Tgt Ion:330 Resp: 94847

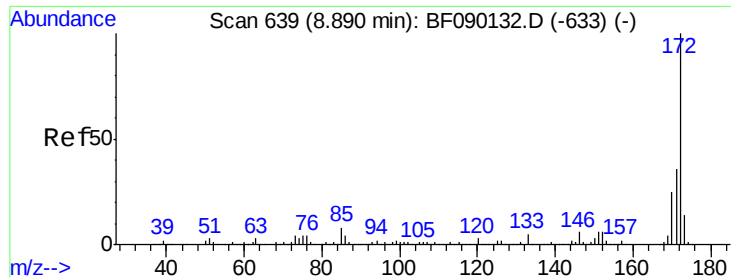
Ion Ratio Lower Upper

330 100

332 99.0 78.1 117.1

141 36.0 23.9 35.9#

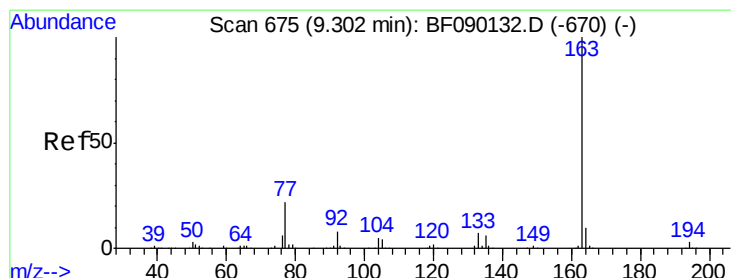
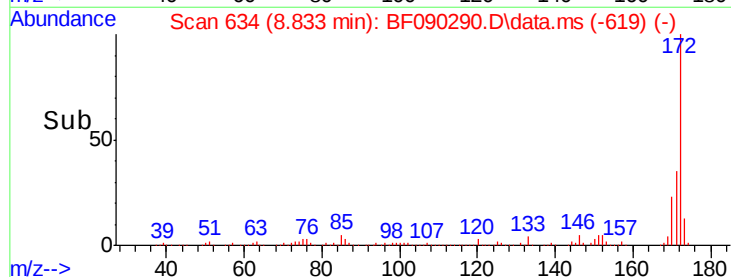
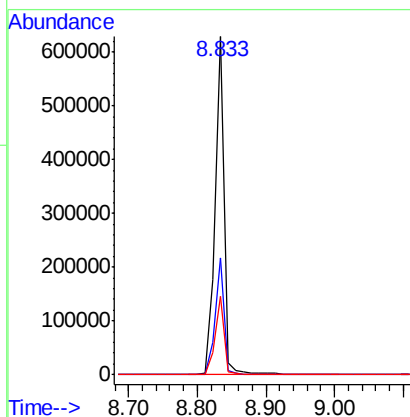
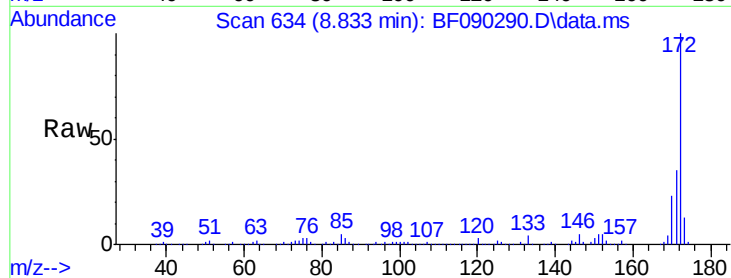




#44
2-Fluorobiphenyl
Concen: 42.41 ng
RT: 8.833 min Scan# 63
Delta R.T. -0.023 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

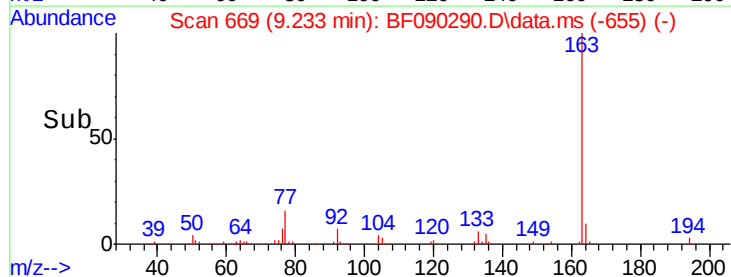
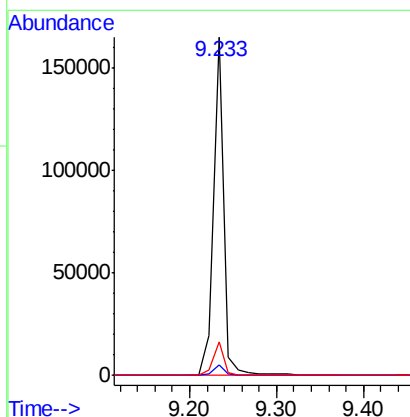
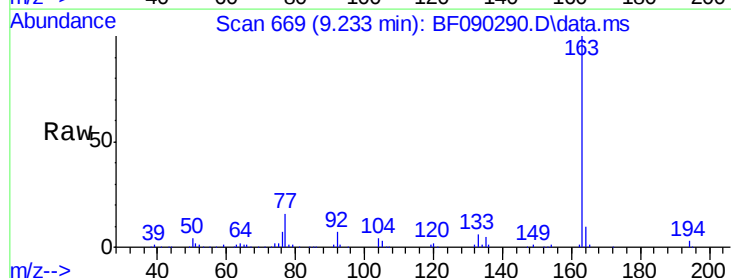
Instrument :
BNA_F
ClientSampleId :

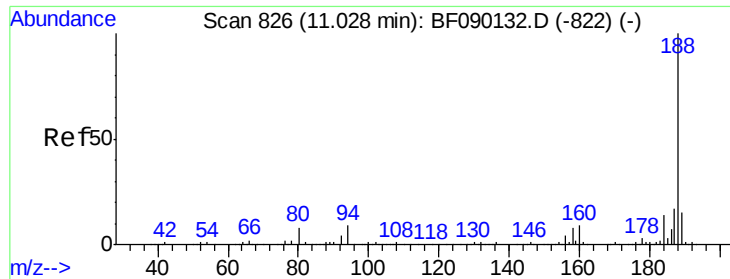
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.2	43.8
170	23.1	19.8	29.8



#49
Dimethylphthalate
Concen: 7.92 ng
RT: 9.233 min Scan# 669
Delta R.T. -0.034 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	9.8	8.1	12.1

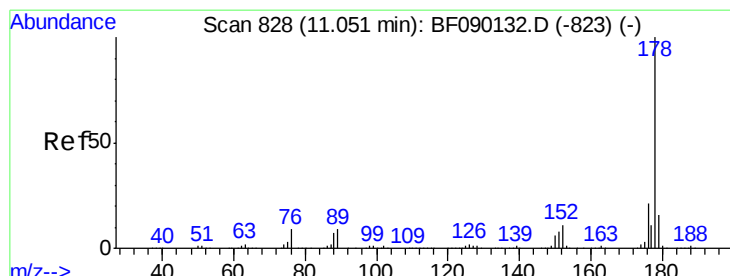
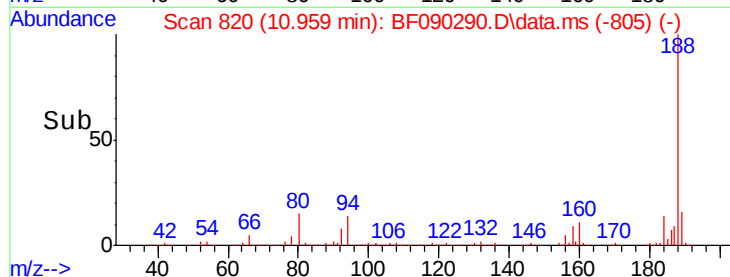
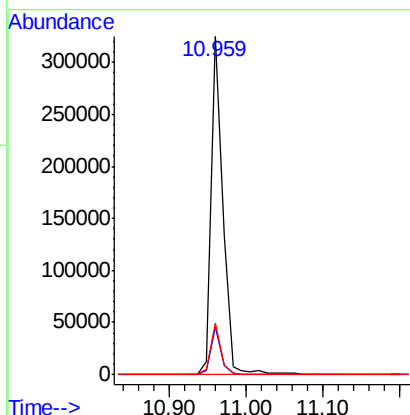
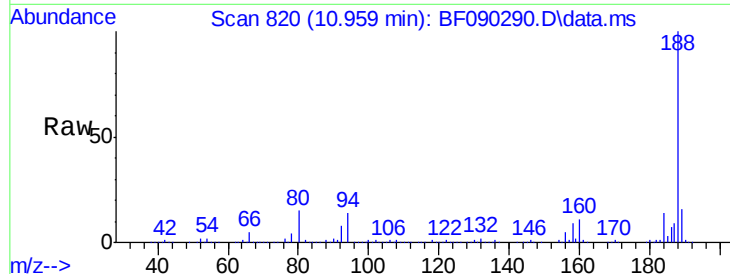




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.959 min Scan# 82
Delta R.T. -0.023 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

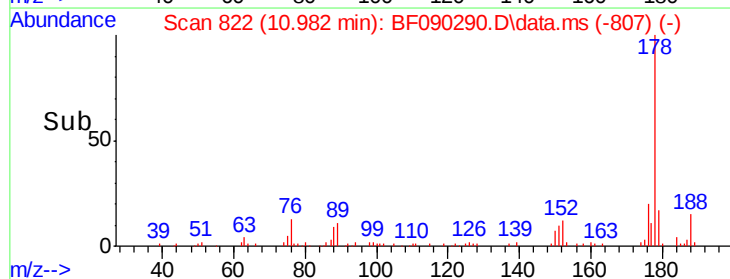
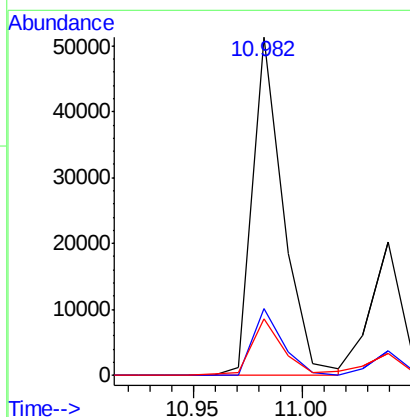
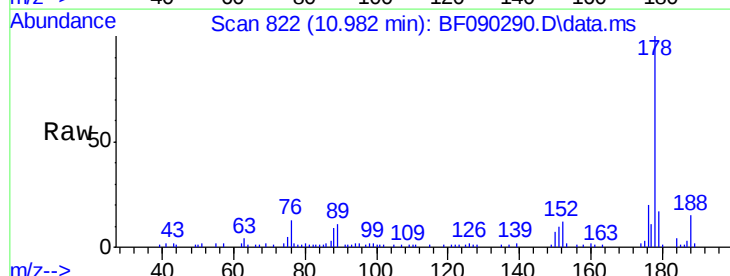
Instrument :
BNA_F
ClientSampleId :

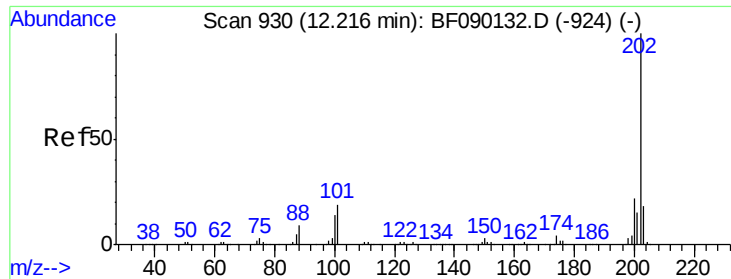
Tot Ion:188 Resp: 340743
Ion Ratio Lower Upper
188 100
94 14.2 10.5 15.7
80 15.0 11.2 16.8



#70
Phenanthrene
Concen: 3.17 ng
RT: 10.982 min Scan# 822
Delta R.T. -0.023 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion:178 Resp: 50558
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 16.7 12.9 19.3

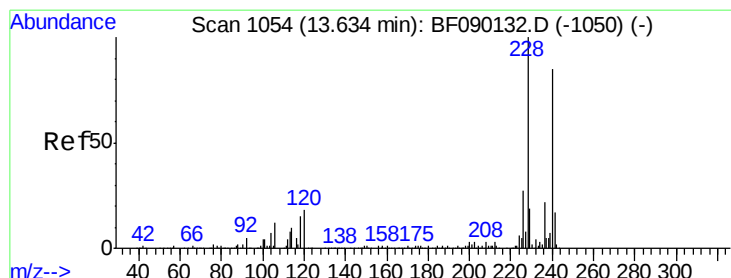
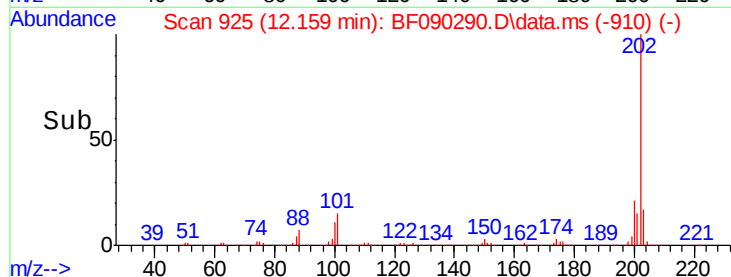
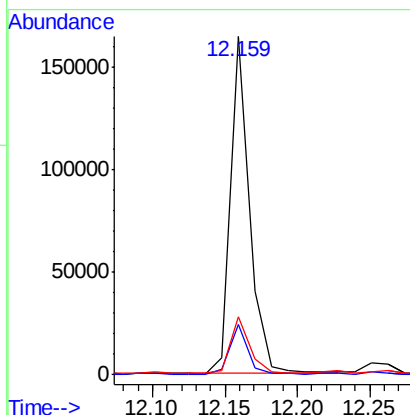
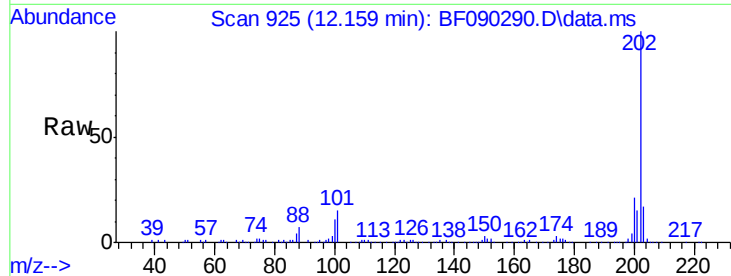




#74
Fluoranthene
Concen: 8.81 ng
RT: 12.159 min Scan# 92
Delta R.T. -0.023 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

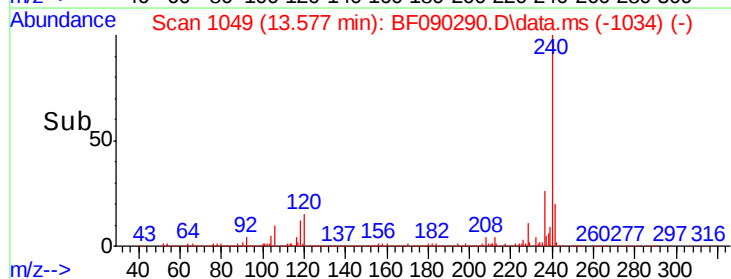
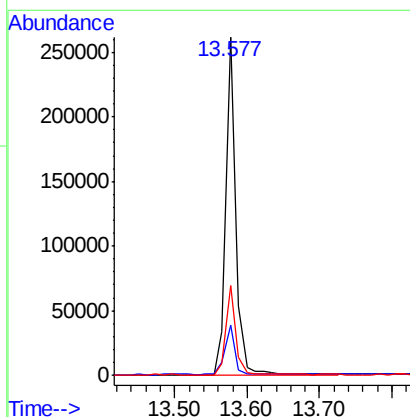
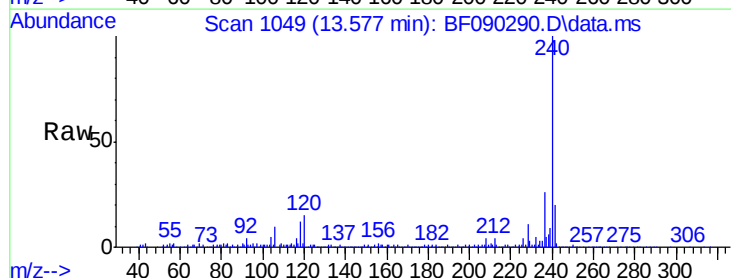
Instrument :
BNA_F
ClientSampleId :

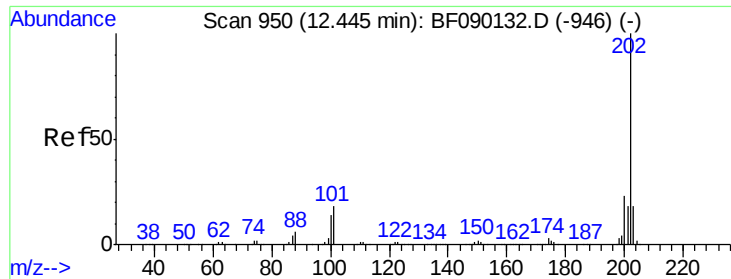
Tot Ion	Ratio	Resp	Lower	Upper
202	100	150767		
101	14.7		0.0	36.1
203	17.1		0.0	38.2



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.577 min Scan# 1049
Delta R.T. -0.023 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	255546		
120	14.9		10.6	16.0
236	26.4		21.6	32.4

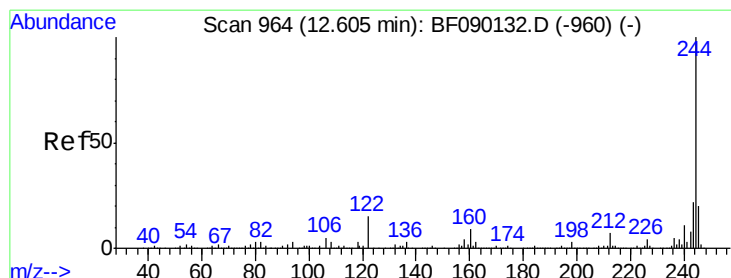
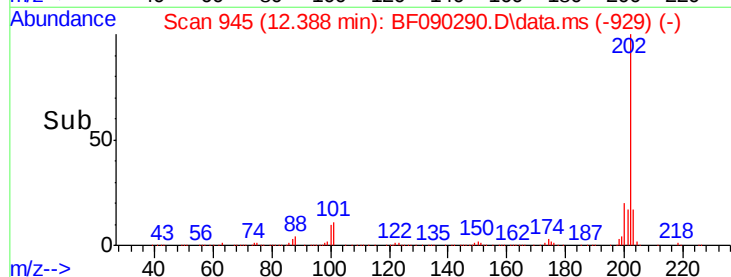
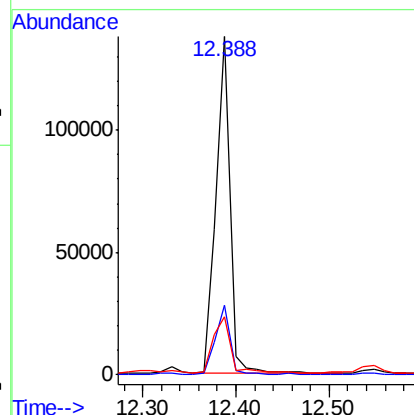
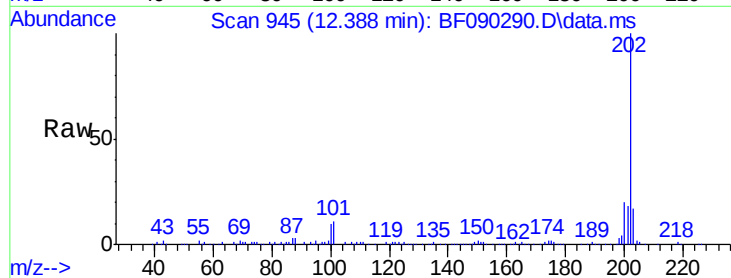




#77
Pvrene
Concen: 8.24 ng
RT: 12.388 min Scan# 941
Delta R.T. -0.011 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

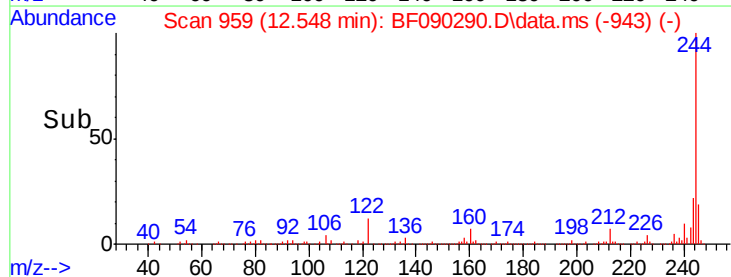
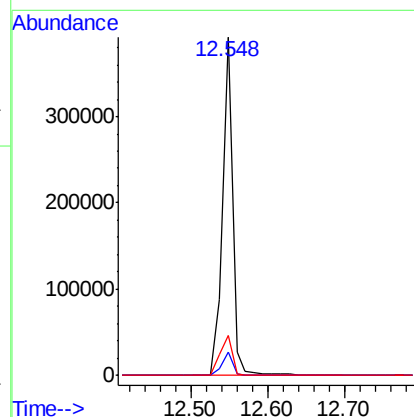
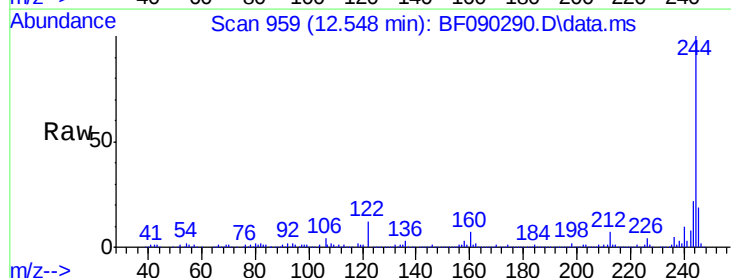
Instrument :
BNA_F
ClientSampleId :

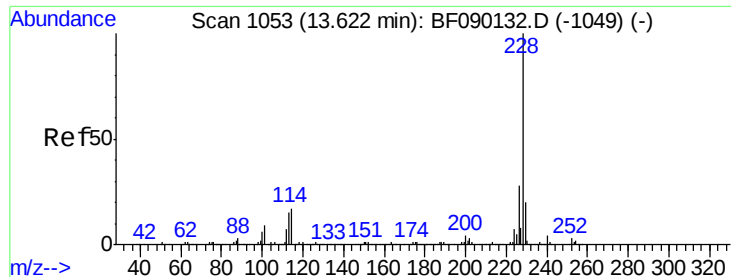
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.9	26.9
203	16.9	14.2	21.4



#78
Terphenyl-d14
Concen: 35.60 ng
RT: 12.548 min Scan# 959
Delta R.T. -0.011 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	11.6	9.4	14.0





#80

Benzo(a)anthracene

Concen: 7.11 ng

RT: 13.565 min Scan# 1048

Delta R.T. -0.023 min

Lab File: BF090290.D

Acq: 29 Sep 2016 13:43

Instrument :

BNA_F

ClientSampleId :

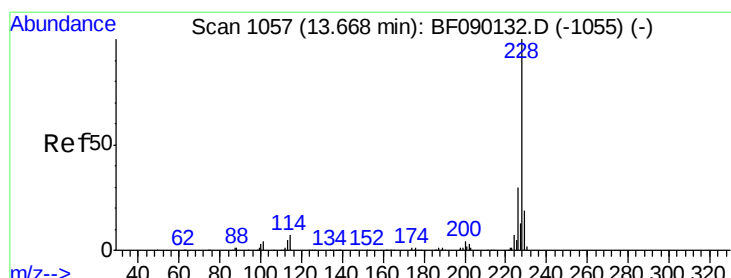
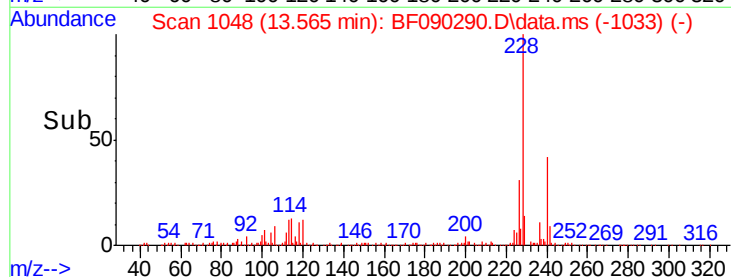
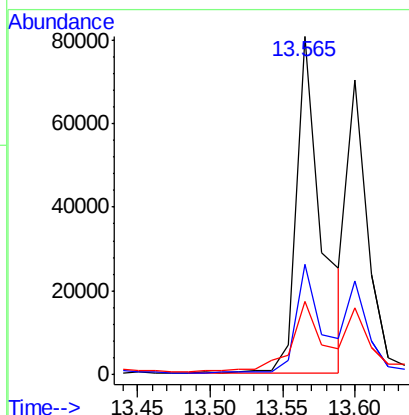
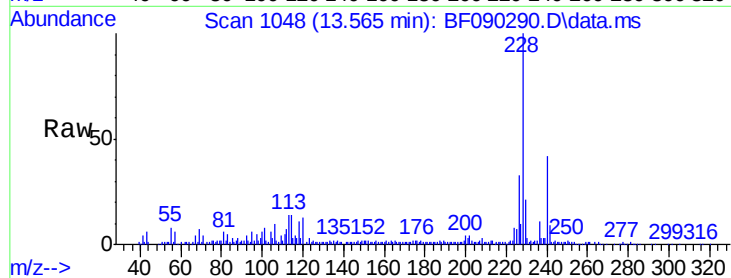
Tot Ion:228 Resp: 97713

Ion Ratio Lower Upper

228 100

226 32.6 22.0 33.0

229 21.5 16.2 24.2



#82

Chrysene

Concen: 7.30 ng

RT: 13.565 min Scan# 1048

Delta R.T. -0.057 min

Lab File: BF090290.D

Acq: 29 Sep 2016 13:43

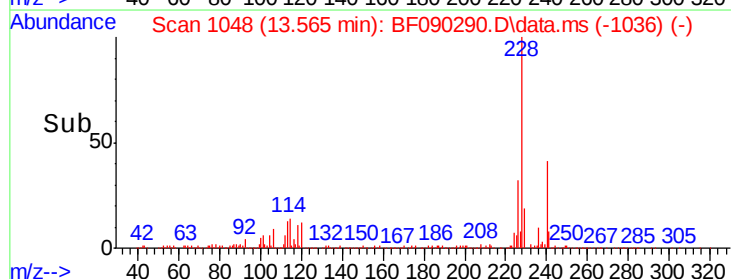
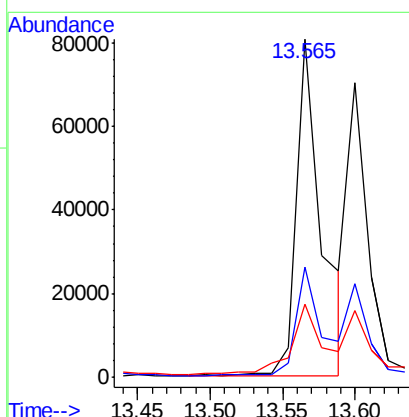
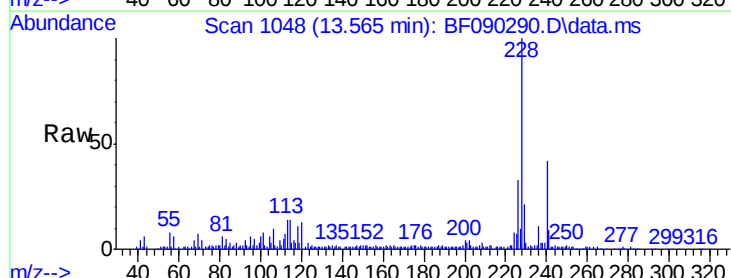
Tgt Ion:228 Resp: 97713

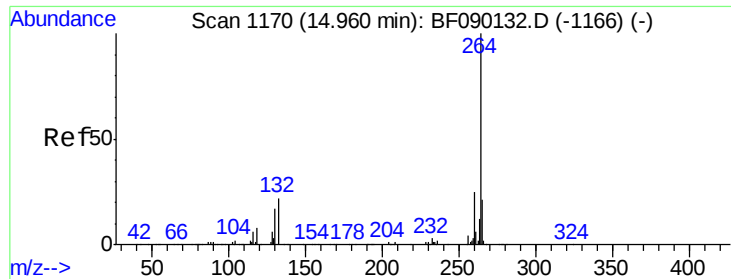
Ion Ratio Lower Upper

228 100

226 32.6 24.6 37.0

229 21.5 16.2 24.4

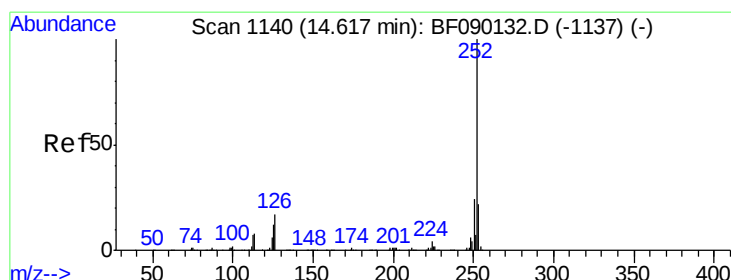
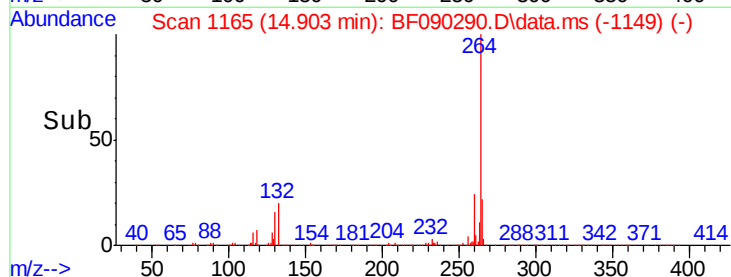
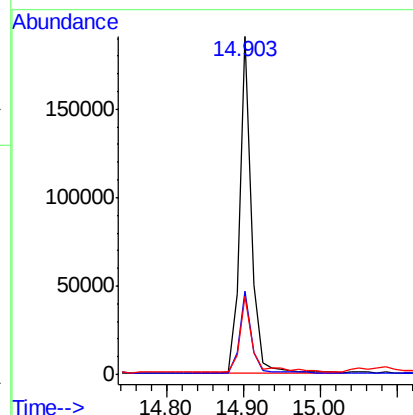
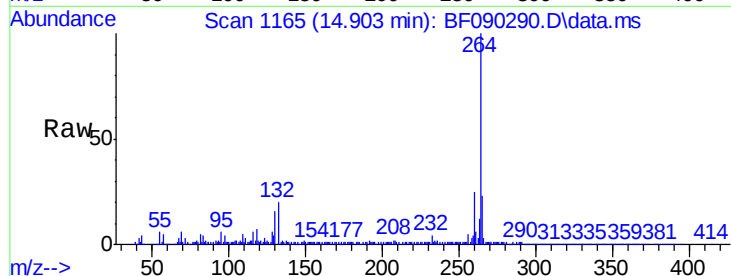




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.903 min Scan# 1170
Delta R.T. -0.011 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

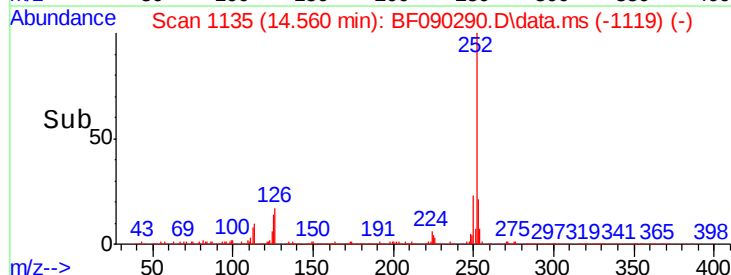
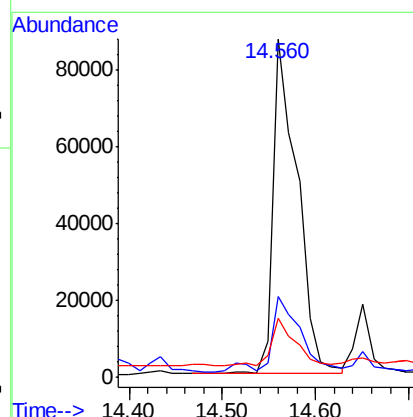
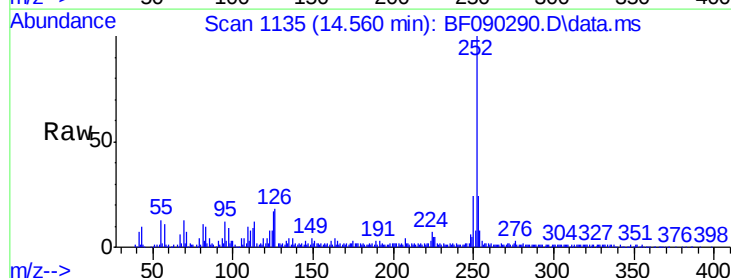
Instrument :
BNA_F
ClientSampleId :

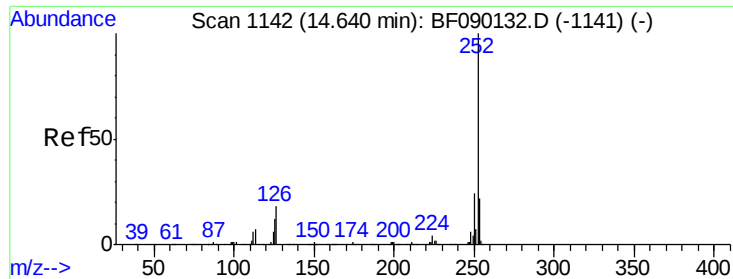
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	23.0	17.0	25.4



#87
Benzo(b)fluoranthene
Concen: 13.59 ng
RT: 14.560 min Scan# 1135
Delta R.T. -0.011 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	17.4	12.7	19.1

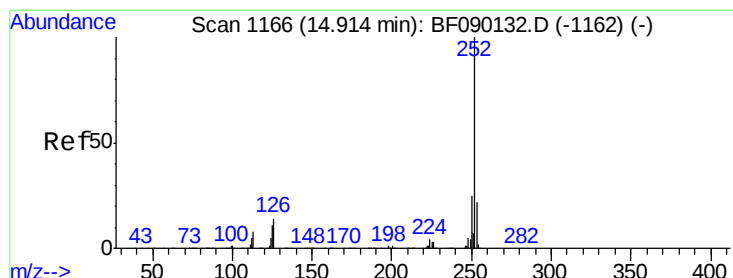
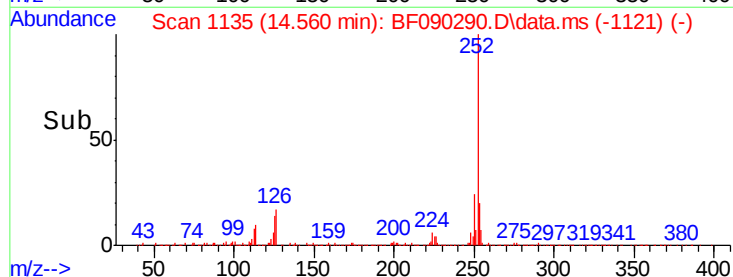
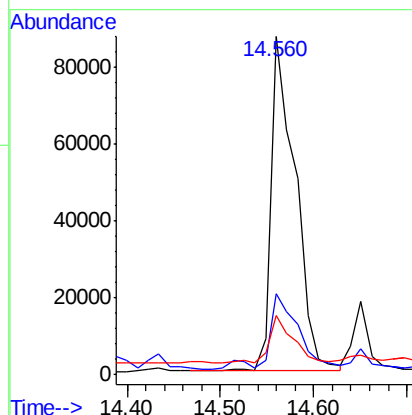
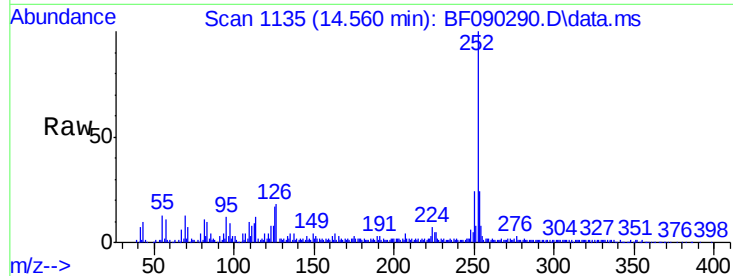




#88
Benzo(k)fluoranthene
Concen: 14.48 ng
RT: 14.560 min Scan# 111
Delta R.T. -0.034 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

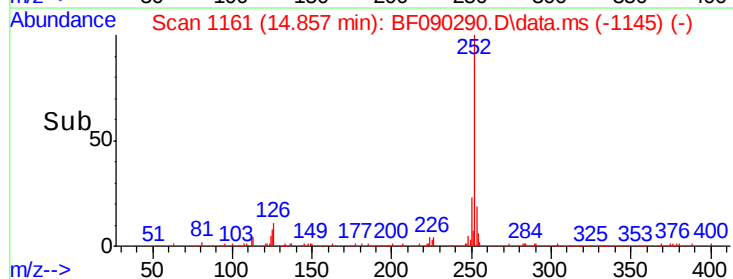
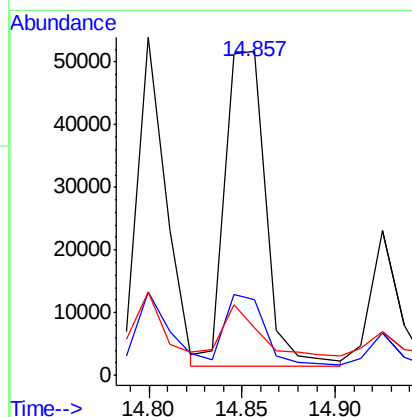
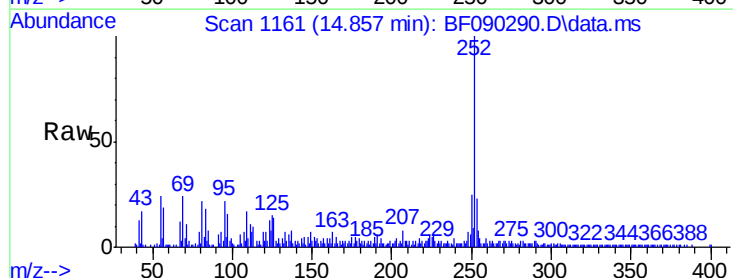
Instrument :
BNA_F
ClientSampleId :

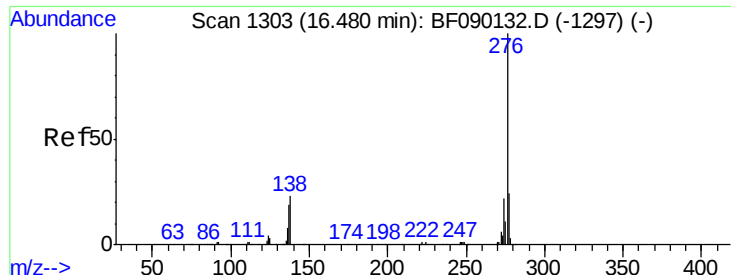
Tot Ion:	252	Resp:	156854
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.8	26.8
125	17.4	7.8	11.6#



#89
Benzo(a)pyrene
Concen: 7.09 ng
RT: 14.857 min Scan# 1161
Delta R.T. -0.011 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion:	252	Resp:	76970
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.4	26.0
125	14.6	7.7	11.5#





#91
 Benzo(a,h,i)perylene
 Concen: 5.64 ng
 RT: 16.388 min Scan# 12
 Delta R.T. -0.011 min
 Lab File: BF090290.D
 Acq: 29 Sep 2016 13:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	23.9	23.3	34.9

