

Data Path : Z:\HPCHEM1\BNA F\Data\BF092816\
 Data File : BF090281.D
 Acq On : 28 Sep 2016 15:38
 Operator : UM/SJ
 Sample : H4982-02 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 28 17:08:44 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

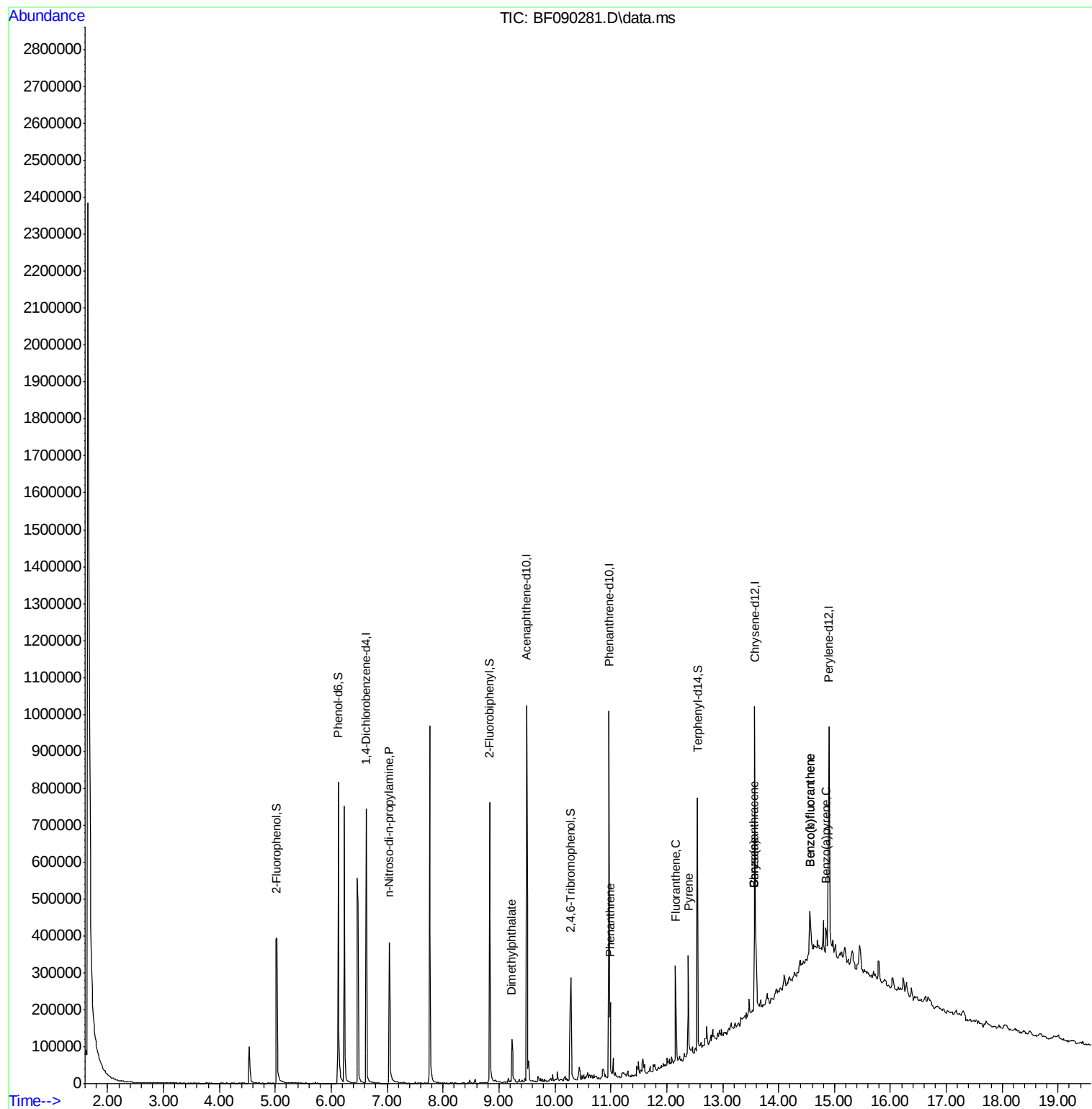
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.627	152	111585	20.00	ng	0.15
21) Naphthalene-d8	0.000	136	0	0.00	ng	-7.77
38) Acenaphthene-d10	9.496	164	271508	20.00	ng	-0.01
63) Phenanthrene-d10	10.971	188	428604	20.00	ng	-0.01
75) Chrysene-d12	13.577	240	291514	20.00	ng	-0.02
86) Perylene-d12	14.902	264	270883	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.027	112	225638	32.96	ng	0.00
7) Phenol-d6	6.124	99	353120	41.77	ng	-0.01
23) Nitrobenzene-d5	7.039	82	181945	0.00	ng	-0.02
41) 2,4,6-Tribromophenol	10.285	330	50772	21.80	ng	-0.01
44) 2-Fluorobiphenyl	8.833	172	328128	23.73	ng	-0.02
78) Terphenyl-d14	12.548	244	218560	19.03	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.039	70	21849	4.40	ng	# 83
49) Dimethylphthalate	9.233	163	75743	4.38	ng	# 96
70) Phenanthrene	10.993	178	94839	4.73	ng	98
74) Fluoranthene	12.159	202	126542	5.88	ng	97
77) Pyrene	12.388	202	113357	5.68	ng	97
80) Benzo(a)anthracene	13.565	228	51943	3.31	ng	93
82) Chrysene	13.565	228	51943	3.40	ng	97
87) Benzo(b)fluoranthene	14.560	252	73056	4.87	ng	# 93
88) Benzo(k)fluoranthene	14.560	252	73056	5.19	ng	# 87
89) Benzo(a)pyrene	14.845	252	36372	2.58	ng	# 80

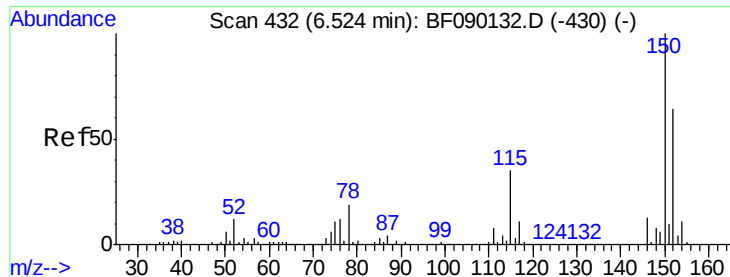
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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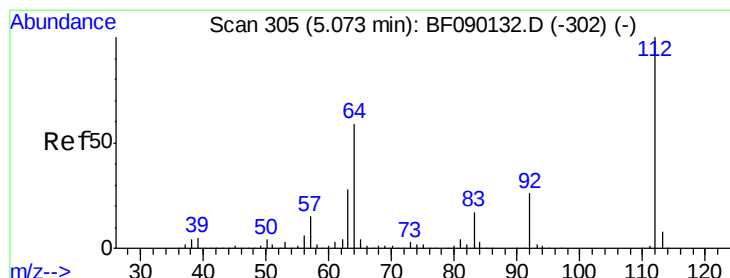
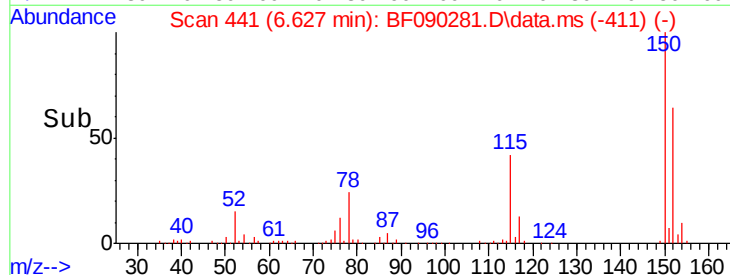
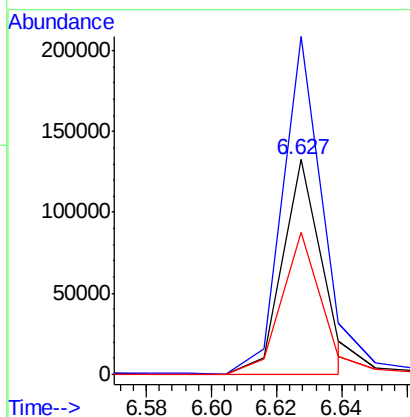
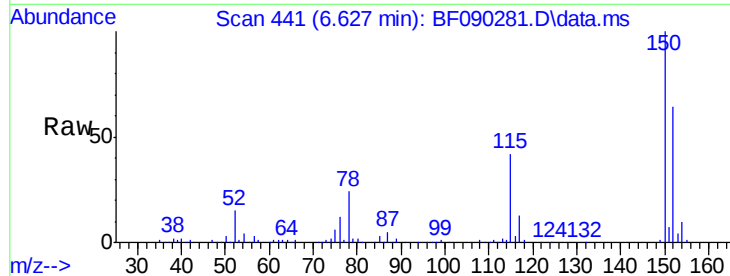




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.627 min Scan# 441
 Delta R.T. 0.149 min
 Lab File: BF090281.D
 Acq: 28 Sep 2016 15:38

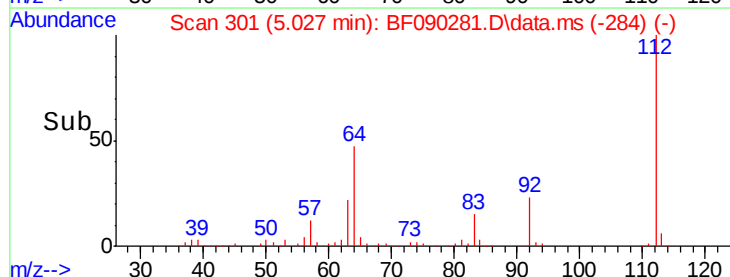
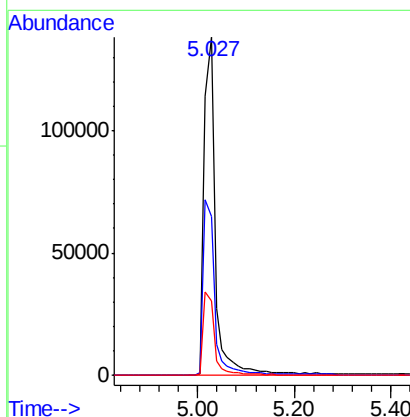
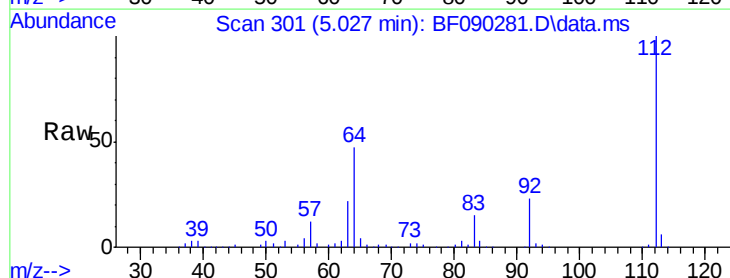
Instrument :
 BNA_F
 ClientSampleId :

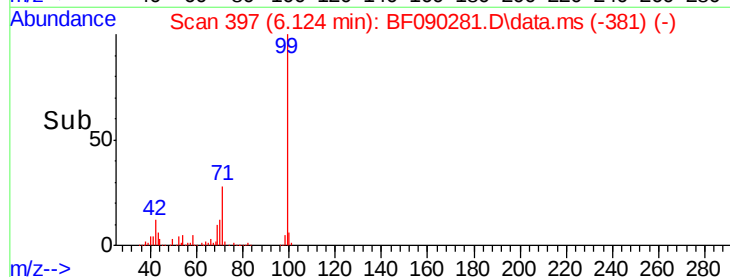
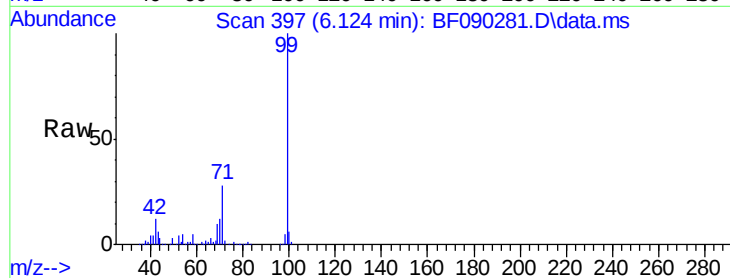
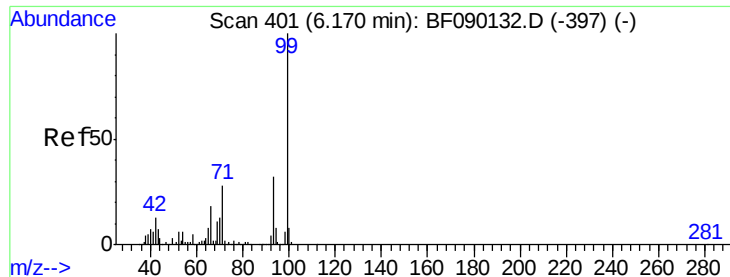
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	128.9	193.3
115	66.4	55.5	83.3



#5
 2-Fluorophenol
 Concen: 32.96 ng
 RT: 5.027 min Scan# 301
 Delta R.T. -0.000 min
 Lab File: BF090281.D
 Acq: 28 Sep 2016 15:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.1	39.8	59.6
63	22.0	18.9	28.3

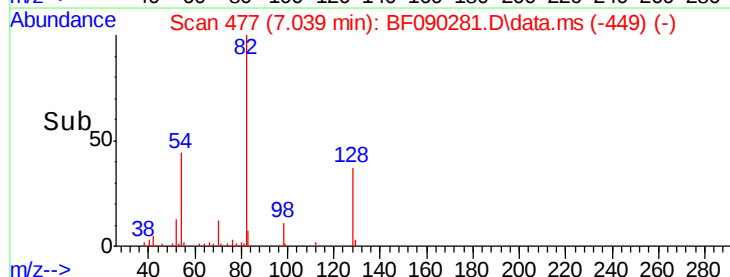
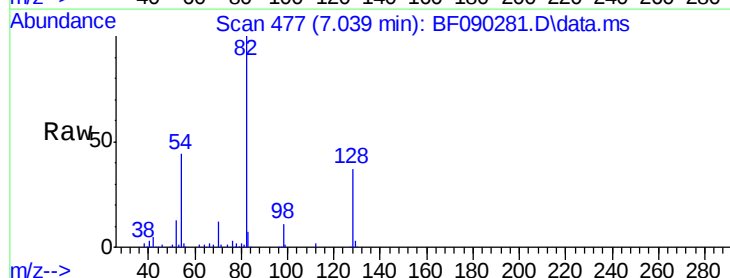
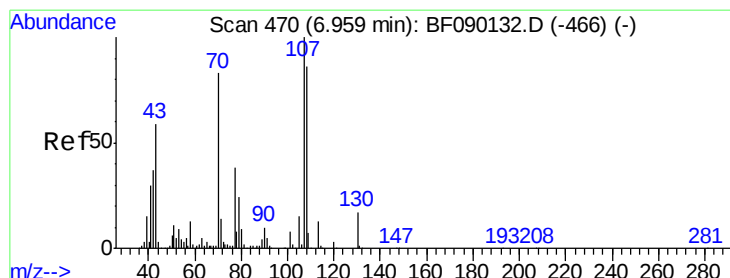
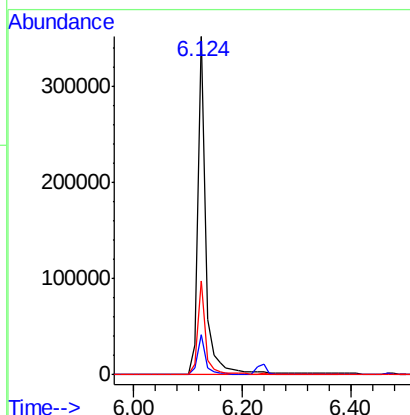




#7
Phenol-d6
Concen: 41.77 ng
RT: 6.124 min Scan# 397
Delta R.T. -0.011 min
Lab File: BF090281.D
Acq: 28 Sep 2016 15:38

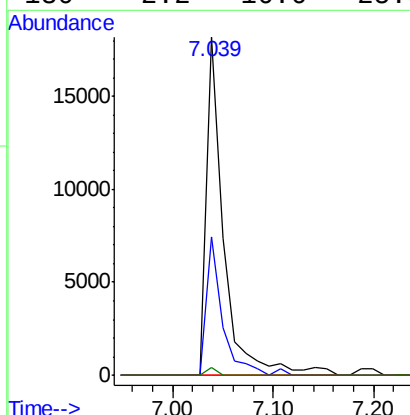
Instrument :
BNA_F
ClientSampleId :

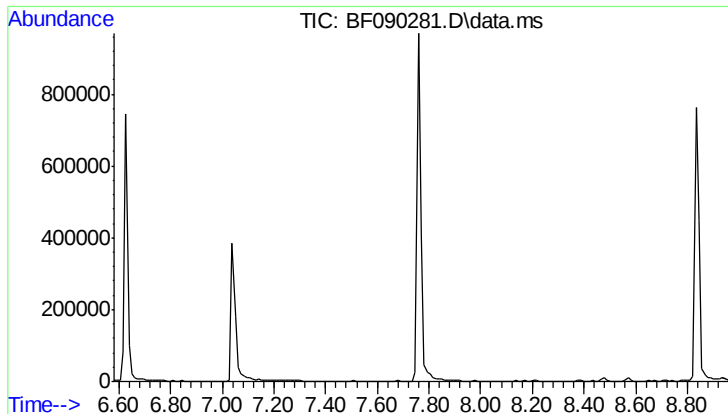
Tot Ion	Ratio	Lower	Upper
99	100		
42	11.8	10.6	15.8
71	27.6	23.0	34.6



#19
n-Nitroso-di-n-propylamine
Concen: 4.40 ng
RT: 7.039 min Scan# 477
Delta R.T. 0.126 min
Lab File: BF090281.D
Acq: 28 Sep 2016 15:38

Tgt Ion	Ratio	Lower	Upper
70	100		
42	40.9	35.1	52.7
101	0.0	7.5	11.3#
130	2.2	16.6	25.0#

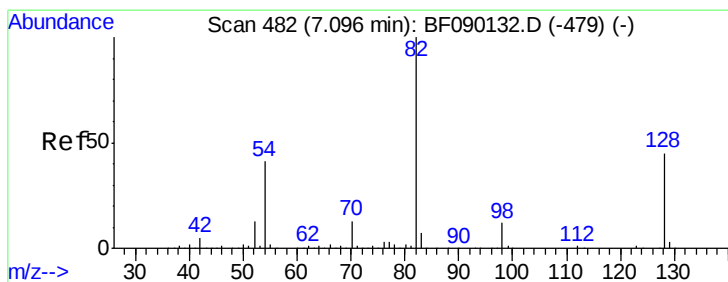
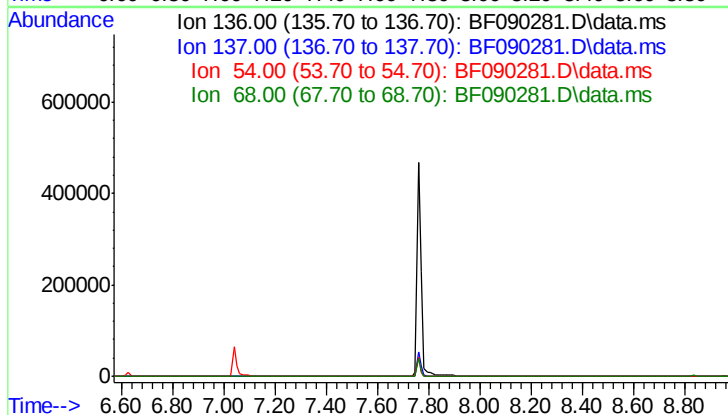




#21
Naphthalene-d8
Concen: 0.00 ng
Expected RT: 7.77 min
Lab File: BF090281.D
Acq: 28 Sep 2016 15:38

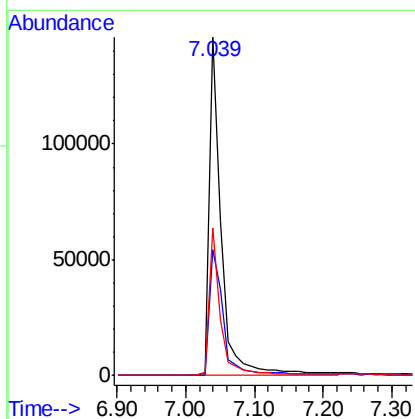
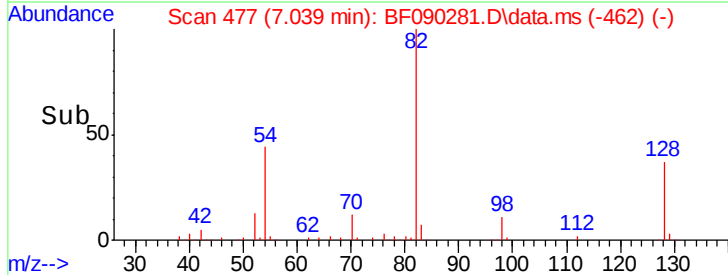
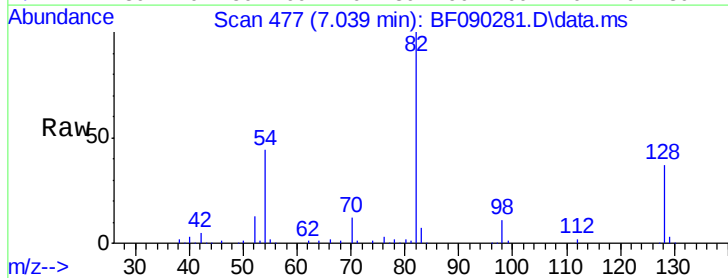
Instrument :
BNA_F
ClientSampleId :

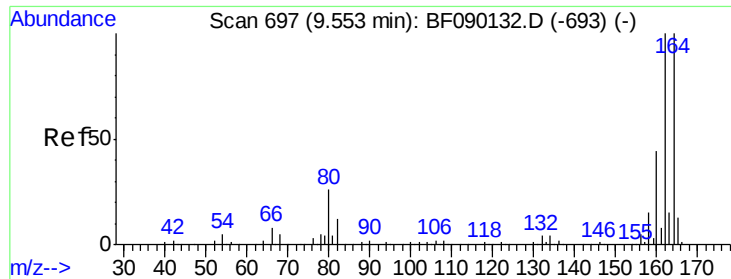
Tot Ion: 136
Sig Exp Ratio
136 100
137 11.2
54 8.0
68 7.9



#23
Nitrobenzene-d5
Concen: 0.00 ng
RT: 7.039 min Scan# 477
Delta R.T. -0.023 min
Lab File: BF090281.D
Acq: 28 Sep 2016 15:38

Tgt Ion: 82 Resp: 181945
Ion Ratio Lower Upper
82 100
128 37.1 37.5 56.3#
54 43.5 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: BF090281.D

Acq: 28 Sep 2016 15:38

Instrument :

BNA_F

ClientSampleId :

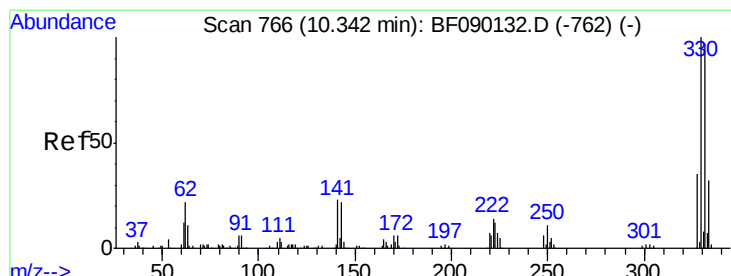
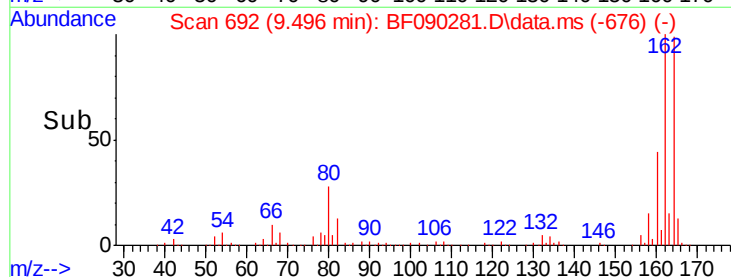
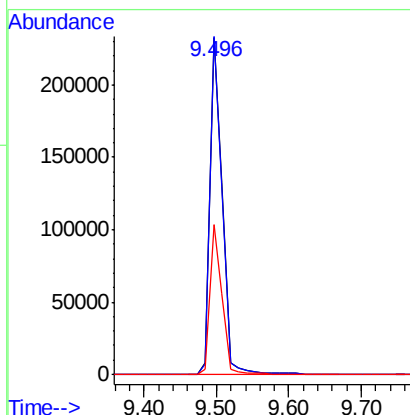
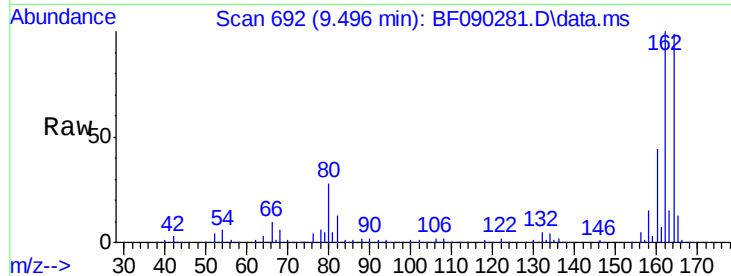
Tot Ion:164 Resp: 271508

Ion Ratio Lower Upper

164 100

162 100.6 81.4 122.2

160 44.7 36.6 54.8



#41

2,4,6-Tribromophenol

Concen: 21.80 ng

RT: 10.285 min Scan# 761

Delta R.T. -0.011 min

Lab File: BF090281.D

Acq: 28 Sep 2016 15:38

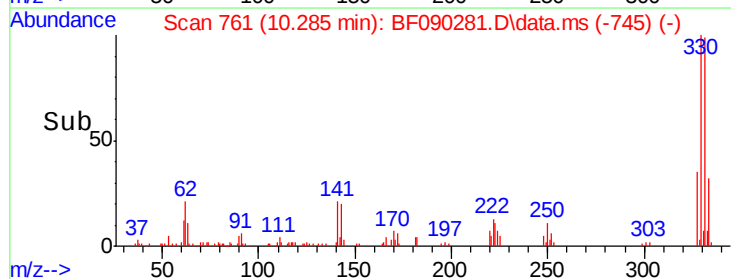
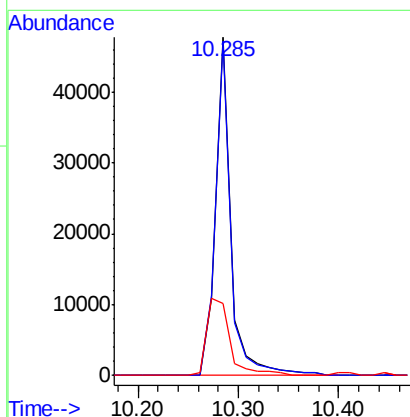
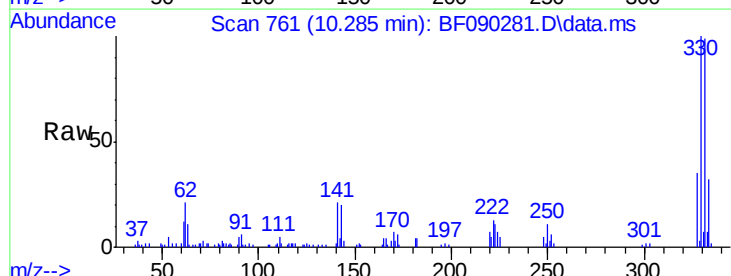
Tgt Ion:330 Resp: 50772

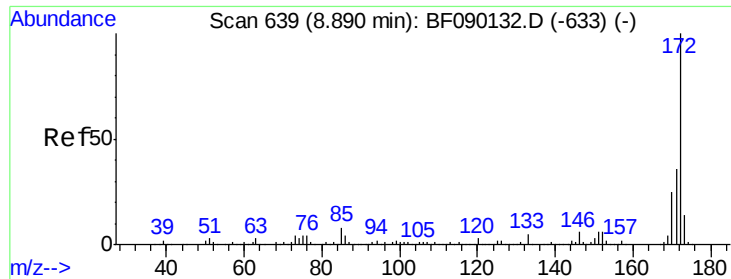
Ion Ratio Lower Upper

330 100

332 98.7 78.1 117.1

141 34.3 23.9 35.9

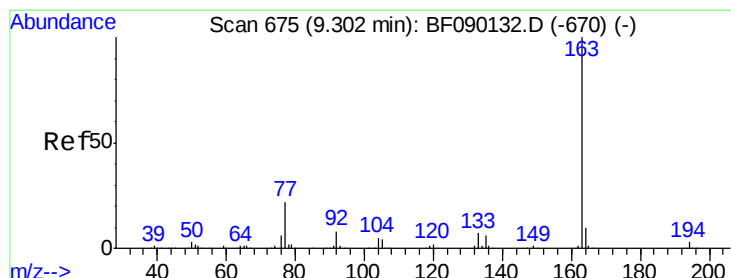
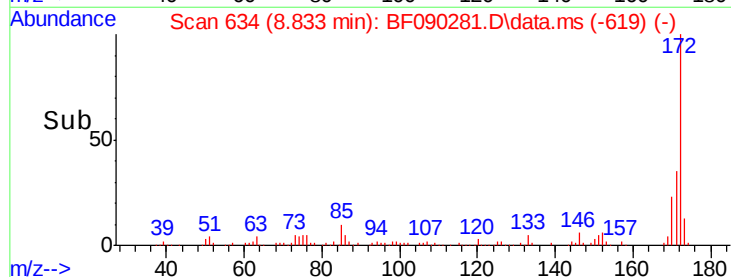
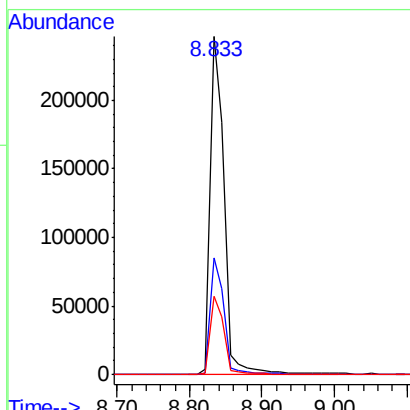
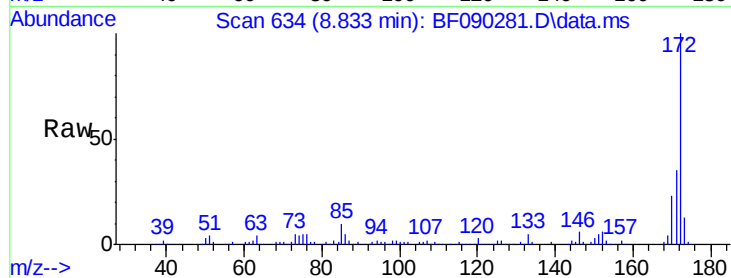




#44
2-Fluorobiphenyl
Concen: 23.73 ng
RT: 8.833 min Scan# 631
Delta R.T. -0.023 min
Lab File: BF090281.D
Acq: 28 Sep 2016 15:38

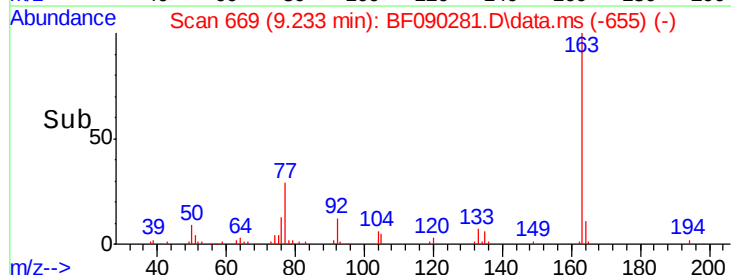
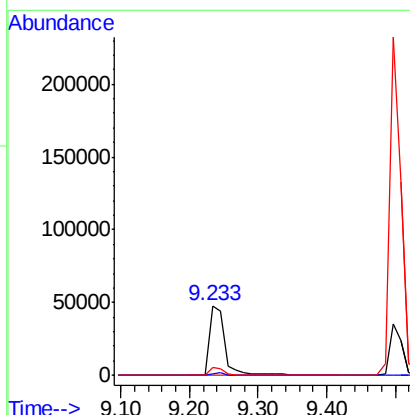
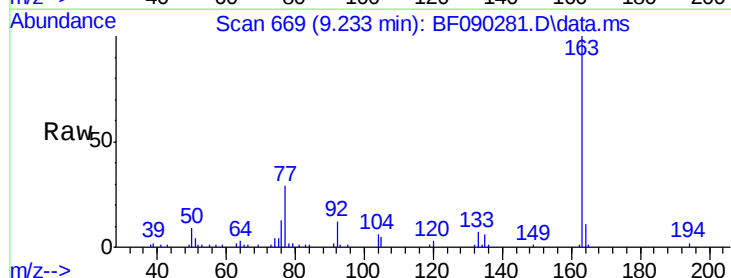
Instrument :
BNA_F
ClientSampleId :

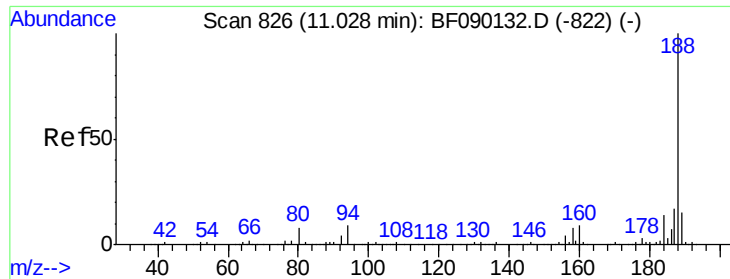
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.2	43.8
170	23.1	19.8	29.8



#49
Dimethylphthalate
Concen: 4.38 ng
RT: 9.233 min Scan# 669
Delta R.T. -0.034 min
Lab File: BF090281.D
Acq: 28 Sep 2016 15:38

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.4	2.8	4.2#
164	11.5	8.1	12.1

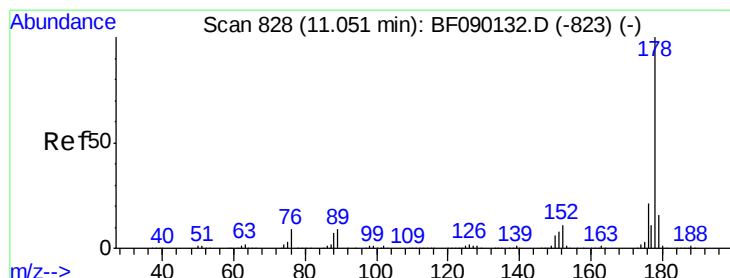
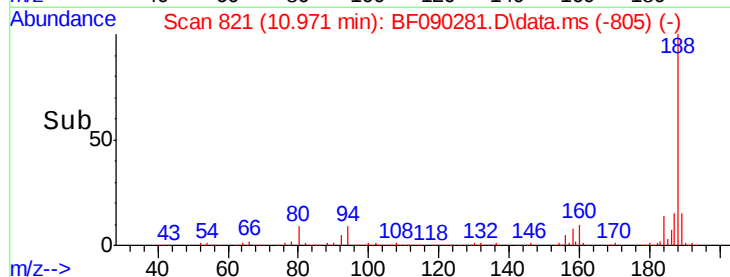
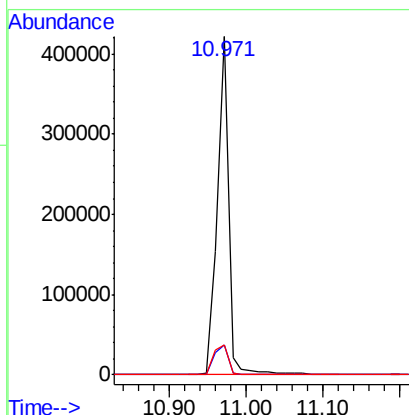
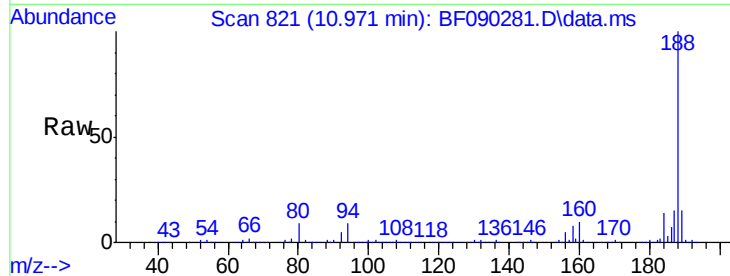




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.971 min Scan# 821
Delta R.T. -0.012 min
Lab File: BF090281.D
Acq: 28 Sep 2016 15:38

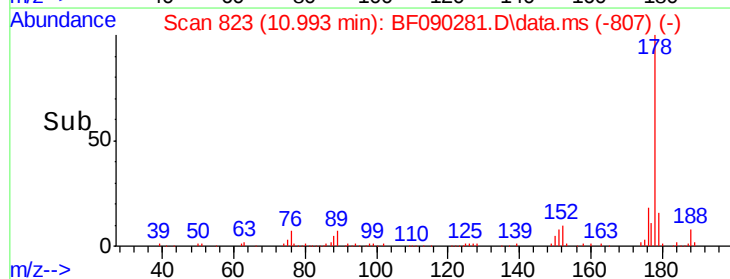
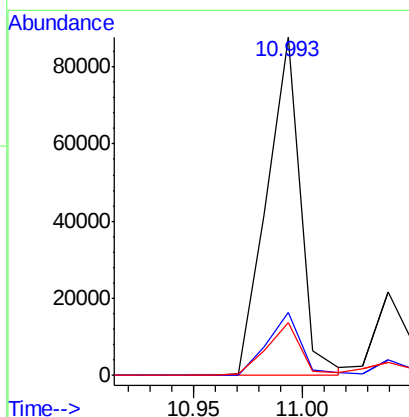
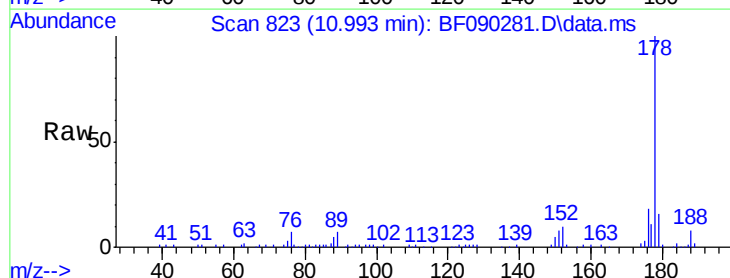
Instrument :
BNA_F
ClientSampleId :

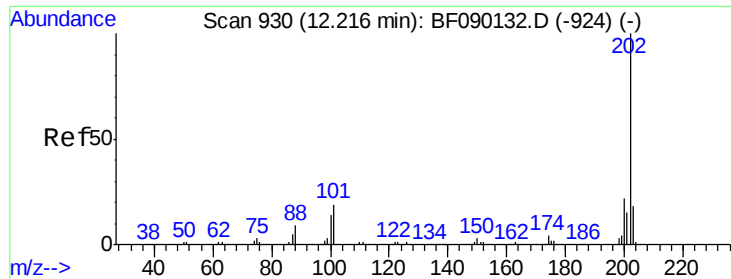
Tot Ion:188 Resp: 428604
Ion Ratio Lower Upper
188 100
94 8.6 10.5 15.7#
80 8.8 11.2 16.8#



#70
Phenanthrene
Concen: 4.73 ng
RT: 10.993 min Scan# 823
Delta R.T. -0.011 min
Lab File: BF090281.D
Acq: 28 Sep 2016 15:38

Tgt Ion:178 Resp: 94839
Ion Ratio Lower Upper
178 100
176 18.4 15.9 23.9
179 15.5 12.9 19.3

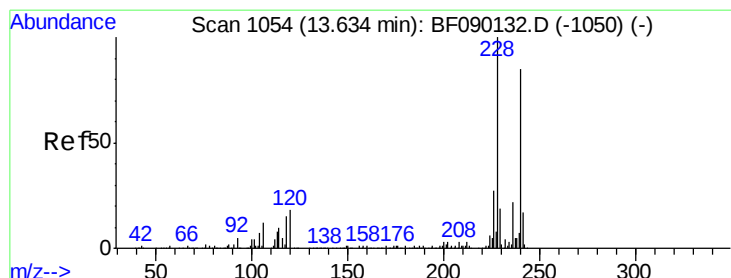
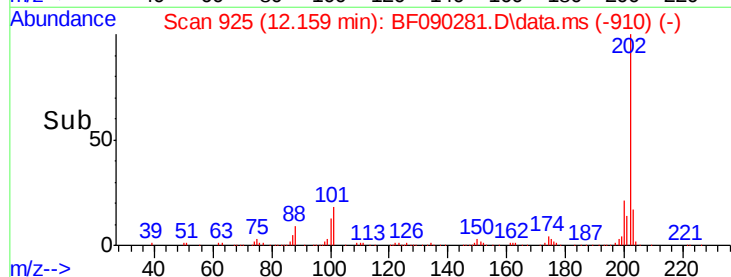
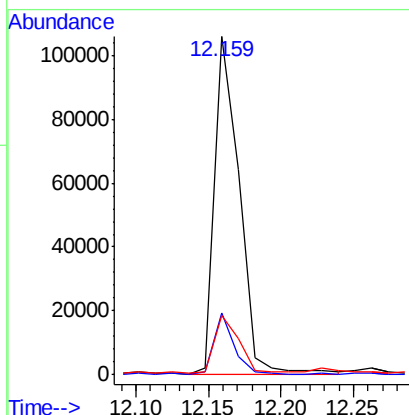
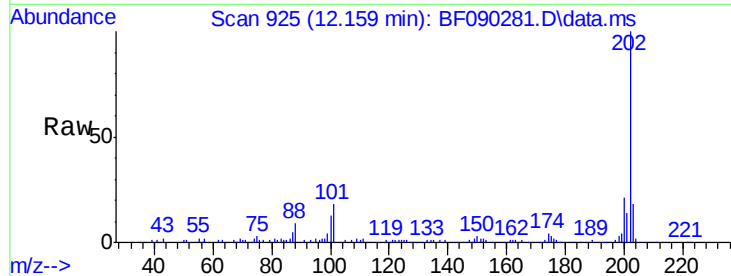




#74
Fluoranthene
Concen: 5.88 ng
RT: 12.159 min Scan# 92
Delta R.T. -0.023 min
Lab File: BF090281.D
Acq: 28 Sep 2016 15:38

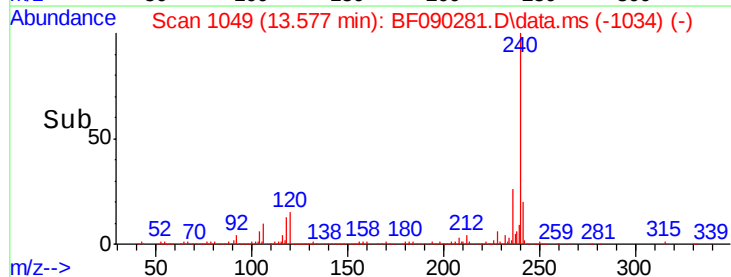
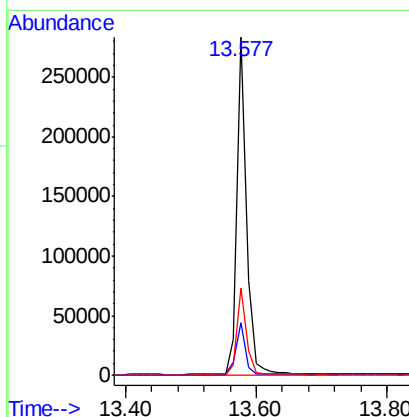
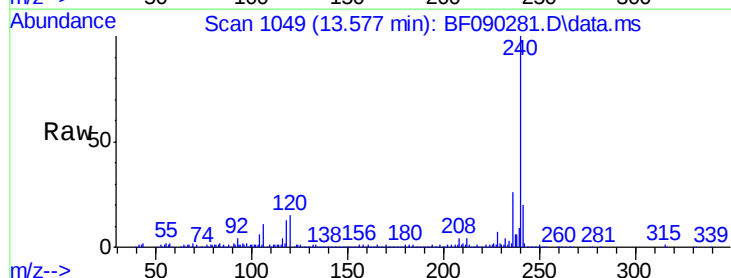
Instrument :
BNA_F
ClientSampleId :

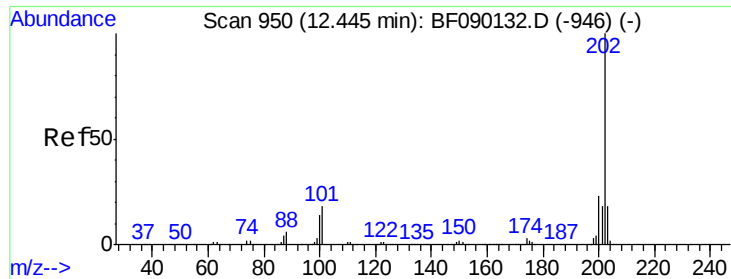
Tot Ion	Ratio	Lower	Upper
202	100		
101	18.2	0.0	36.1
203	17.6	0.0	38.2



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.577 min Scan# 1049
Delta R.T. -0.023 min
Lab File: BF090281.D
Acq: 28 Sep 2016 15:38

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.4	10.6	16.0
236	25.9	21.6	32.4

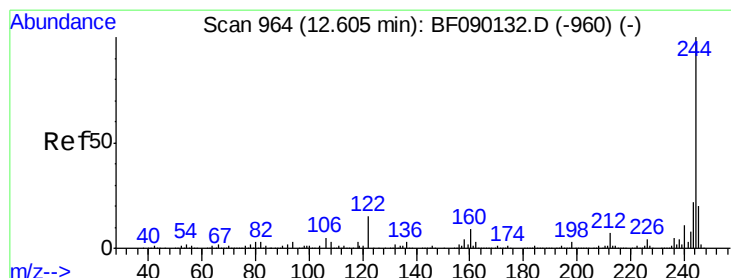
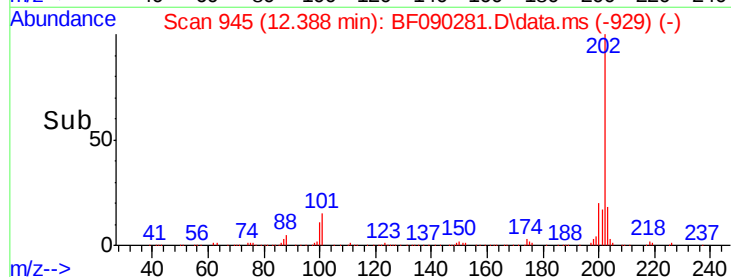
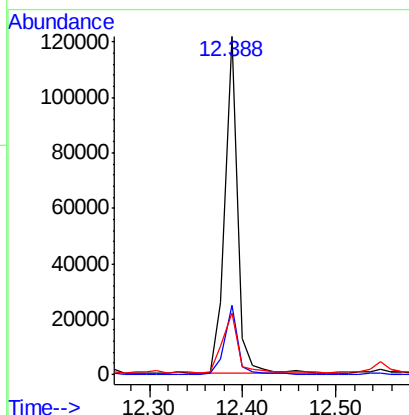
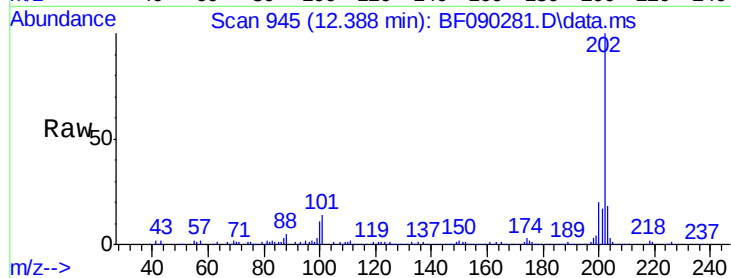




#77
Pvrene
Concen: 5.68 ng
RT: 12.388 min Scan# 94
Delta R.T. -0.011 min
Lab File: BF090281.D
Acq: 28 Sep 2016 15:38

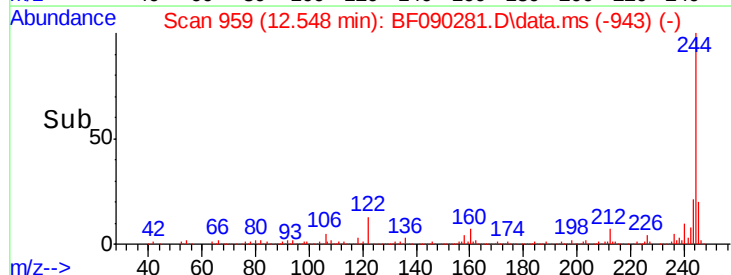
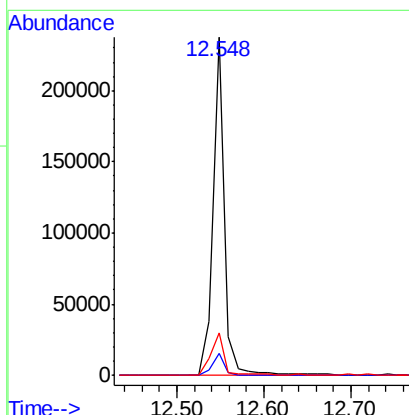
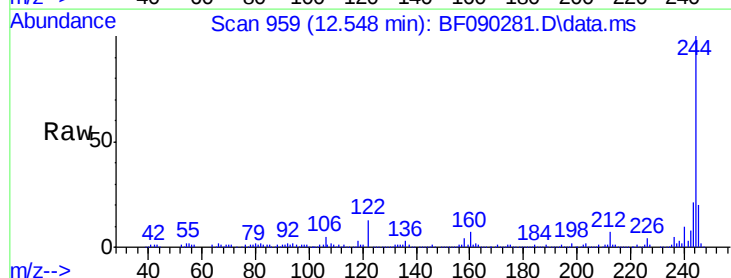
Instrument :
BNA_F
ClientSampleId :

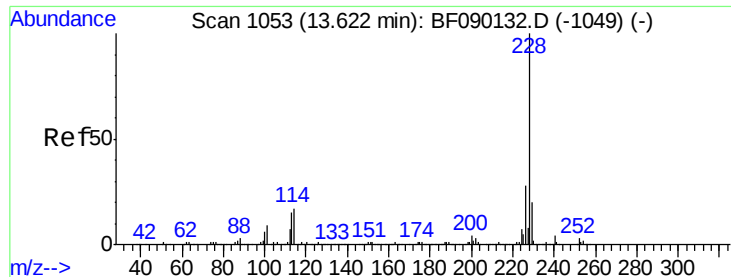
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.9	26.9
203	18.4	14.2	21.4



#78
Terphenyl-d14
Concen: 19.03 ng
RT: 12.548 min Scan# 959
Delta R.T. -0.011 min
Lab File: BF090281.D
Acq: 28 Sep 2016 15:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.8
122	12.5	9.4	14.0





#80

Benzo(a)anthracene

Concen: 3.31 ng

RT: 13.565 min Scan# 1048

Delta R.T. -0.023 min

Lab File: BF090281.D

Acq: 28 Sep 2016 15:38

Instrument :

BNA_F

ClientSampleId :

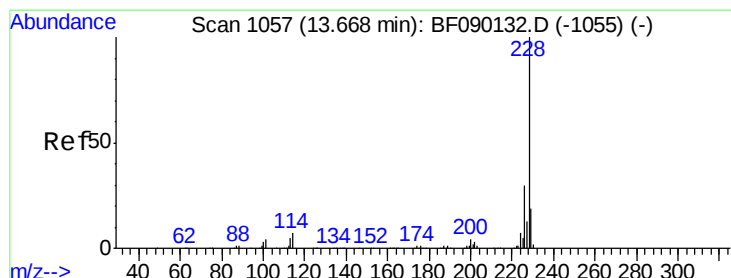
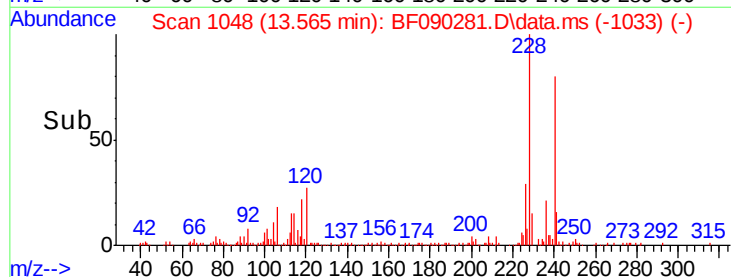
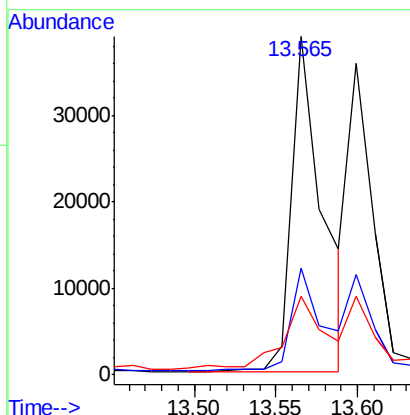
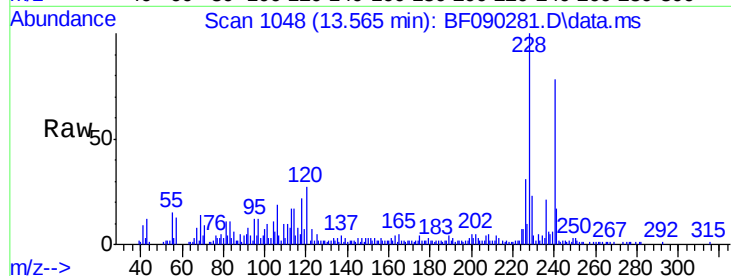
Tot Ion:228 Resp: 51943

Ion Ratio Lower Upper

228 100

226 31.4 22.0 33.0

229 23.3 16.2 24.2



#82

Chrysene

Concen: 3.40 ng

RT: 13.565 min Scan# 1048

Delta R.T. -0.057 min

Lab File: BF090281.D

Acq: 28 Sep 2016 15:38

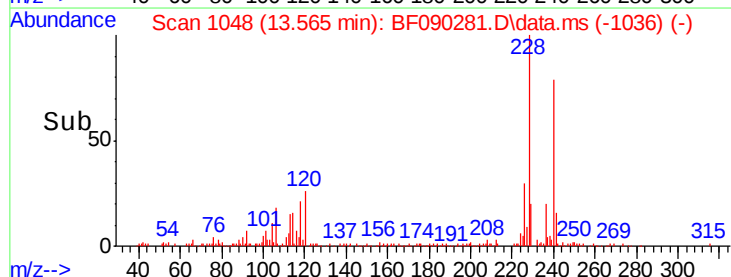
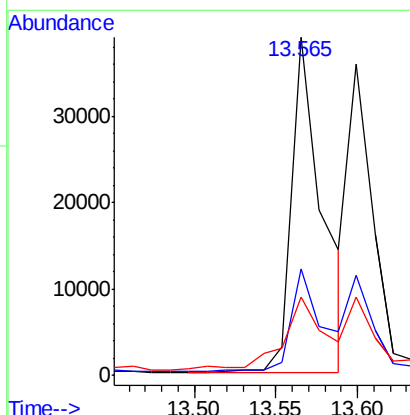
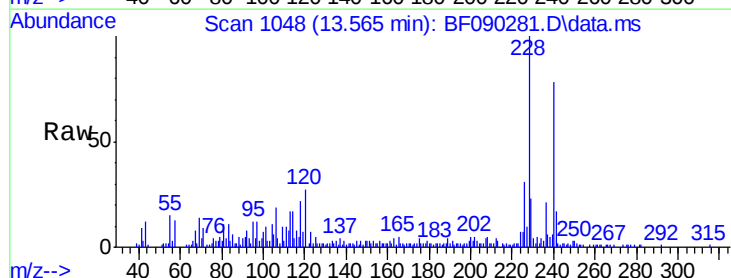
Tgt Ion:228 Resp: 51943

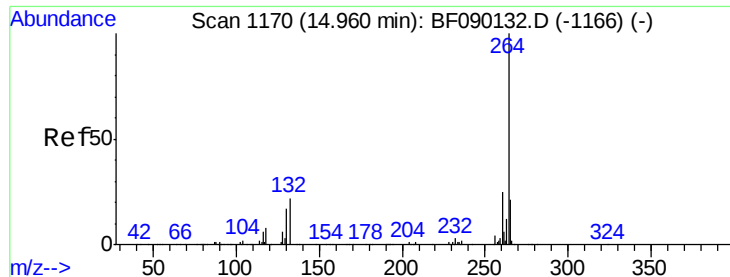
Ion Ratio Lower Upper

228 100

226 31.4 24.6 37.0

229 23.3 16.2 24.4

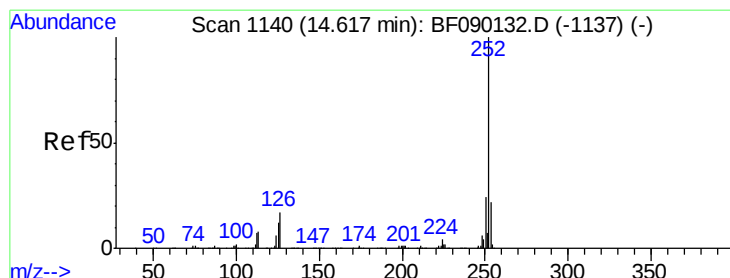
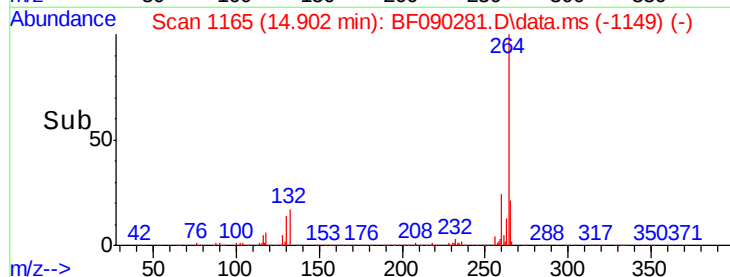
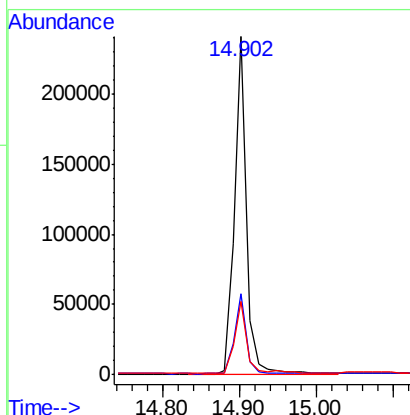
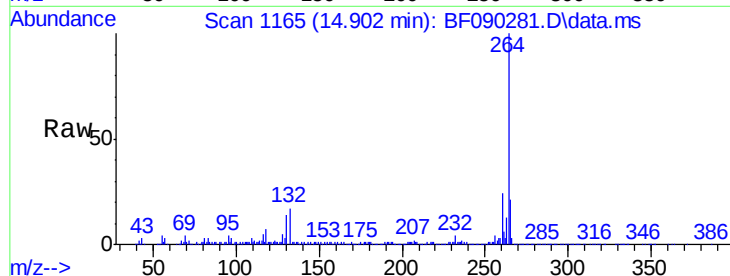




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.902 min Scan# 1170
Delta R.T. -0.011 min
Lab File: BF090281.D
Acq: 28 Sep 2016 15:38

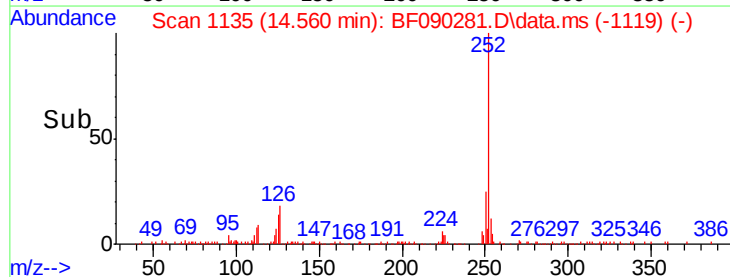
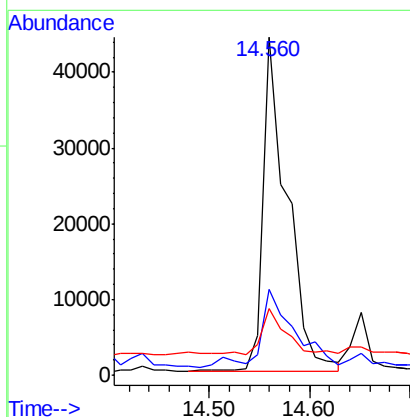
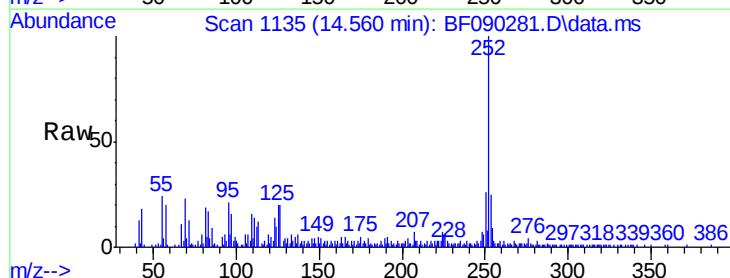
Instrument :
BNA_F
ClientSampleId :

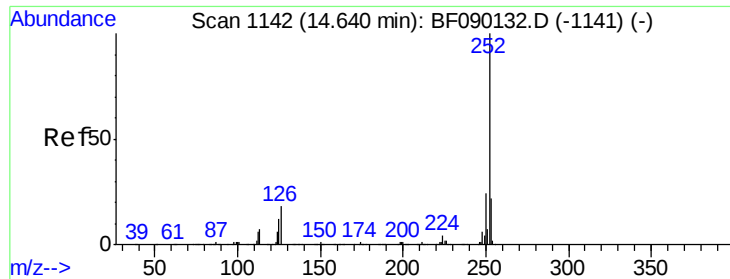
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.5	17.0	25.4



#87
Benzo(b)fluoranthene
Concen: 4.87 ng
RT: 14.560 min Scan# 1135
Delta R.T. -0.012 min
Lab File: BF090281.D
Acq: 28 Sep 2016 15:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.9	26.9
125	19.7	12.7	19.1

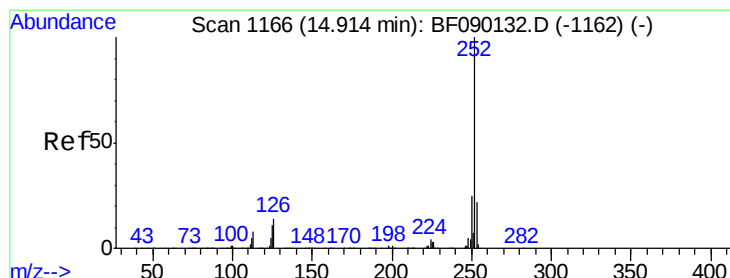
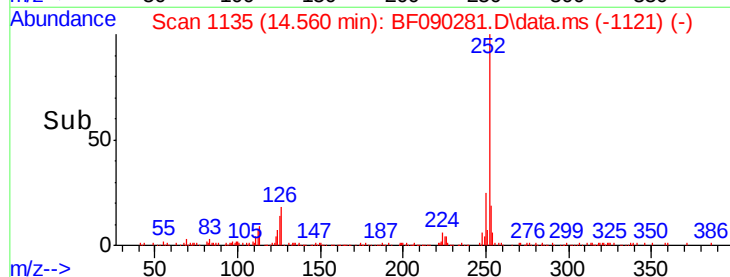
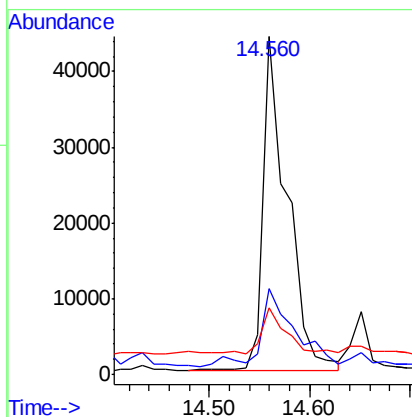
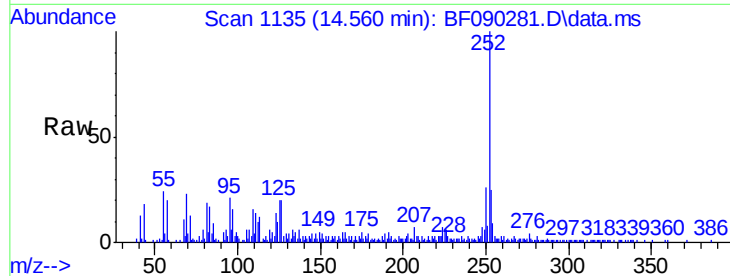




#88
Benzo(k)fluoranthene
Concen: 5.19 ng
RT: 14.560 min Scan# 1142
Delta R.T. -0.034 min
Lab File: BF090281.D
Acq: 28 Sep 2016 15:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.8	26.8
125	19.7	7.8	11.6#



#89
Benzo(a)pyrene
Concen: 2.58 ng
RT: 14.845 min Scan# 1160
Delta R.T. -0.023 min
Lab File: BF090281.D
Acq: 28 Sep 2016 15:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.4	26.0
125	26.0	7.7	11.5#

