

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101416\
 Data File : BF090595.D
 Acq On : 15 Oct 2016 8:56
 Operator : UM/SJ
 Sample : H5227-02 2X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2

Quant Time: Oct 17 00:47:09 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 14 12:44:45 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	244648	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	957769	20.00	ng	-0.01
38) Acenaphthene-d10	9.96	164	470331	20.00	ng	-0.01
63) Phenanthrene-d10	11.45	188	608766	20.00	ng	-0.01
75) Chrysene-d12	14.09	240	517711	20.00	ng	-0.01
86) Perylene-d12	15.56	264	453145	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	803336	60.20	ng	0.00
7) Phenol-d6	6.54	99	1054299	53.17	ng	-0.01
23) Nitrobenzene-d5	7.48	82	691970	40.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.75	330	153542	36.62	ng	-0.01
44) 2-Fluorobiphenyl	9.29	172	951422	33.33	ng	0.00
78) Terphenyl-d14	13.04	244	691016	31.08	ng	-0.01

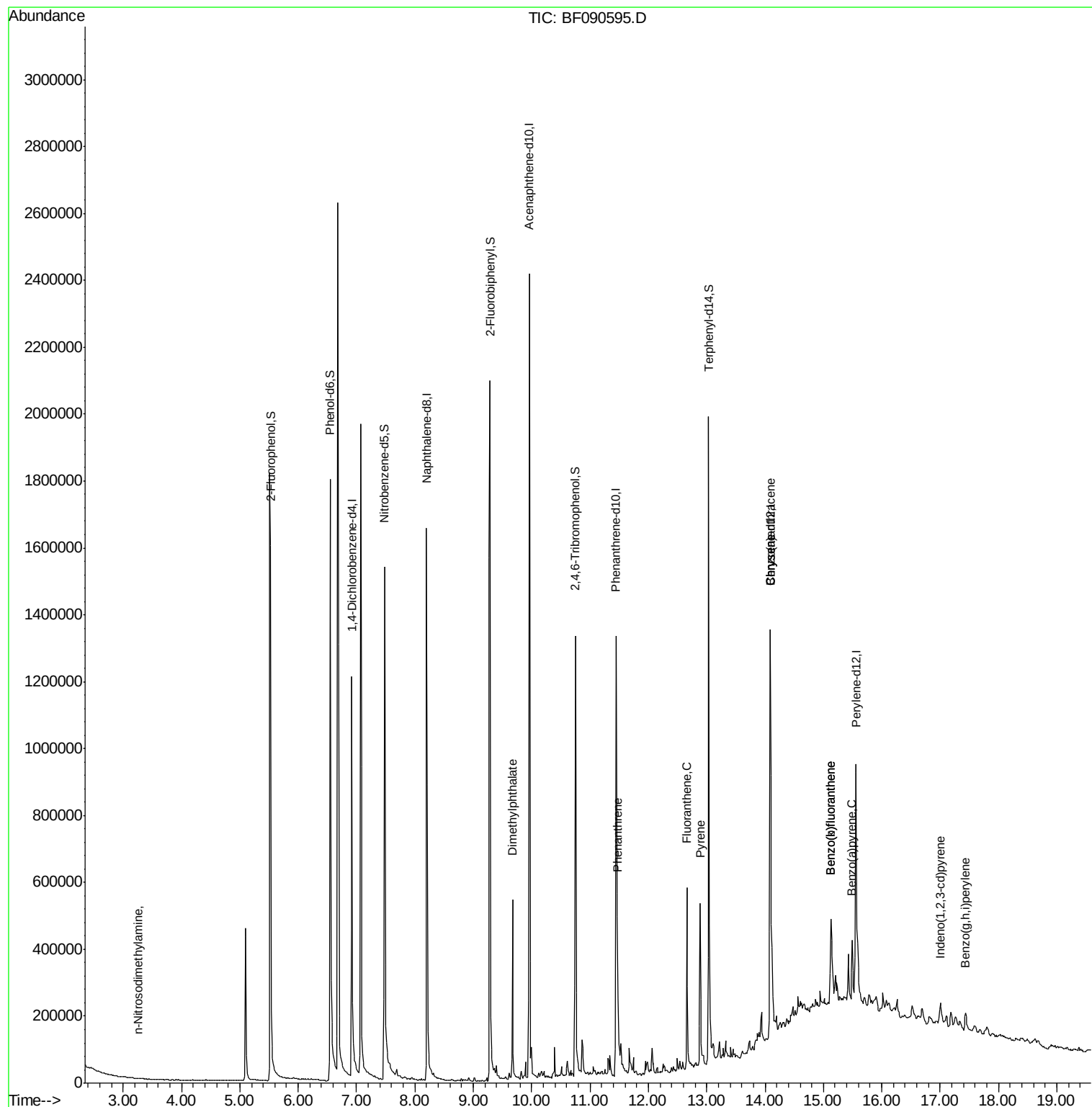
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.26	42	431	7.23	ng	# 1
49) Dimethylphthalate	9.67	163	202548	6.64	ng	99
70) Phenanthrene	11.47	178	165853	5.10	ng	98
74) Fluoranthene	12.66	202	272142	8.33	ng	92
77) Pyrene	12.89	202	223412	6.52	ng	98
80) Benzo(a)anthracene	14.09	228	263768	8.95	ng	97
82) Chrysene	14.09	228	263768	9.29	ng	95
85) Indeno(1,2,3-cd)pyrene	17.00	276	55843	3.40	ng	# 90
87) Benzo(b)fluoranthene	15.13	252	218852	7.38	ng	98
88) Benzo(k)fluoranthene	15.13	252	218852	6.86	ng	# 96
89) Benzo(a)pyrene	15.49	252	113620	4.19	ng	97
91) Benzo(g,h,i)perylene	17.44	276	54807	2.78	ng	# 92

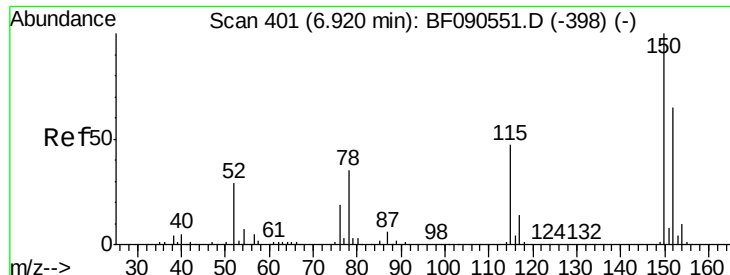
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 401

Delta R.T. 0.00 min

Lab File: BF090595.D

Acq: 15 Oct 2016 8:56

Instrument :

BNA_F

ClientSampled :

2

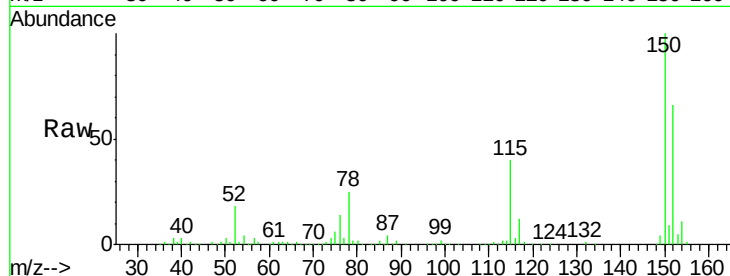
Tgt Ion:152 Resp: 244648

Ion Ratio Lower Upper

152 100

150 152.5 127.2 190.8

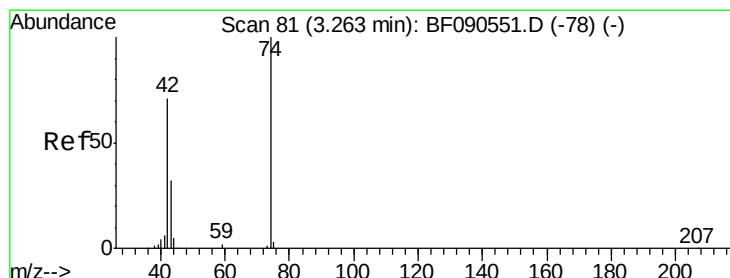
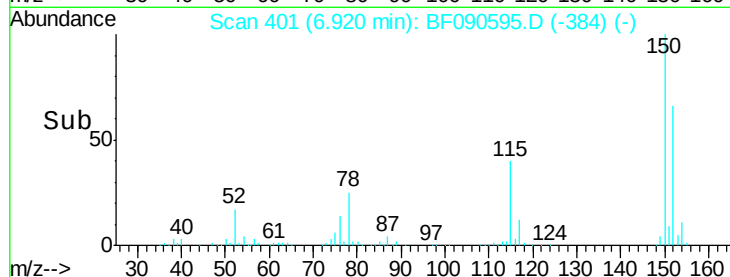
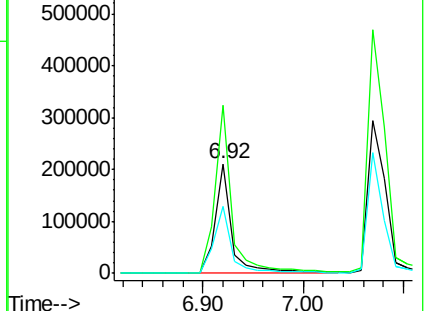
115 60.7 58.6 88.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

n-Nitrosodimethylamine

Concen: 7.23 ng

RT: 3.26 min Scan# 81

Delta R.T. 0.00 min

Lab File: BF090595.D

Acq: 15 Oct 2016 8:56

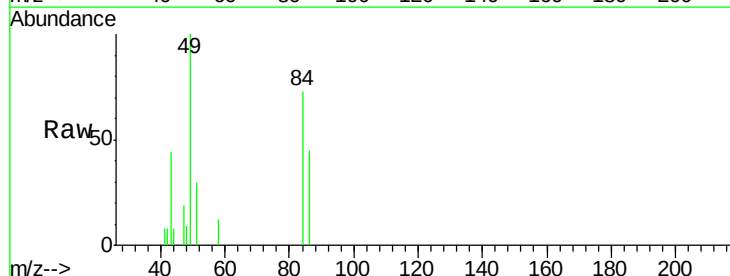
Tgt Ion: 42 Resp: 431

Ion Ratio Lower Upper

42 100

74 0.0 113.3 169.9#

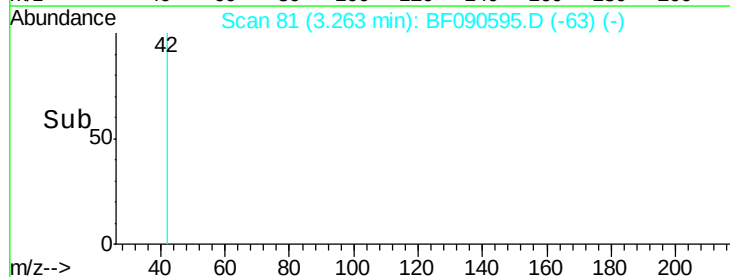
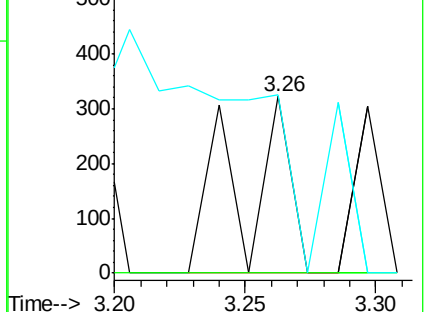
44 100.6 6.0 9.0#

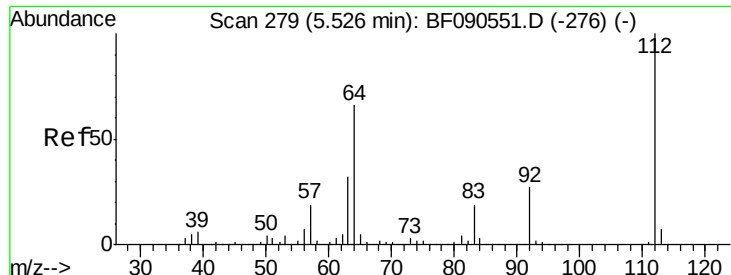


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 60.20 ng

RT: 5.53 min Scan# 279

Delta R.T. 0.00 min

Lab File: BF090595.D

Acq: 15 Oct 2016 8:56

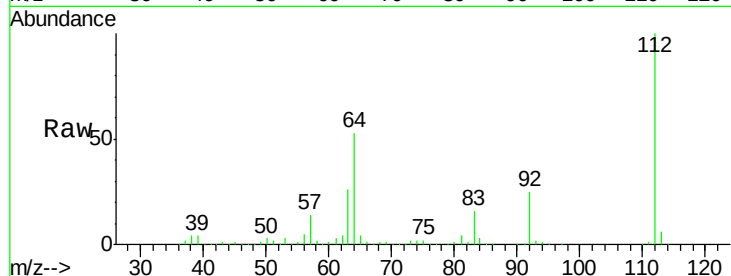
Instrument :

BNA_F

ClientSampleId :

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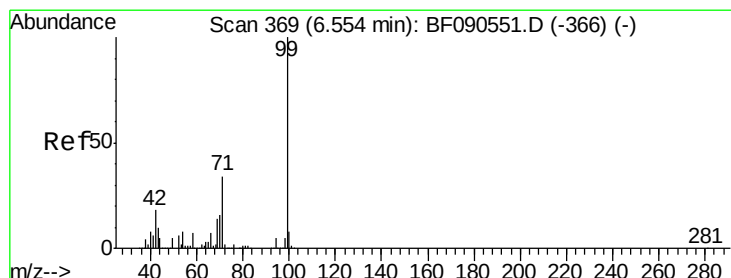
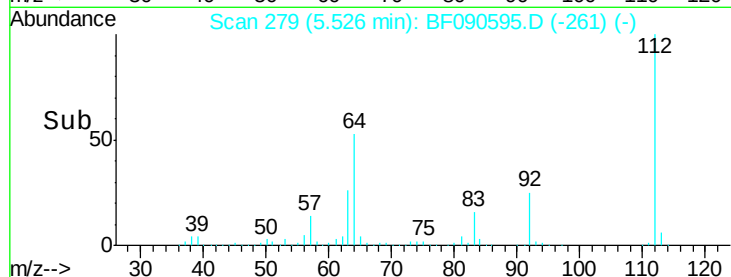
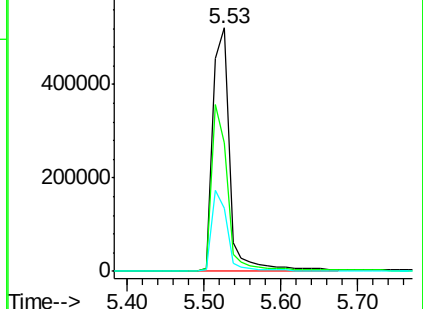
Tgt Ion:	112	Resp:	803336
Ion Ratio	Lower	Upper	
112	100		
64	52.8	52.6	78.8
63	25.7	26.0	39.0#



Abundance Ion 112.00 (111.70 to 112.70): BF0

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 53.17 ng

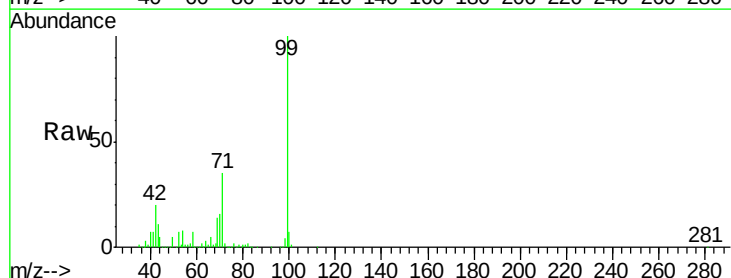
RT: 6.54 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF090595.D

Acq: 15 Oct 2016 8:56

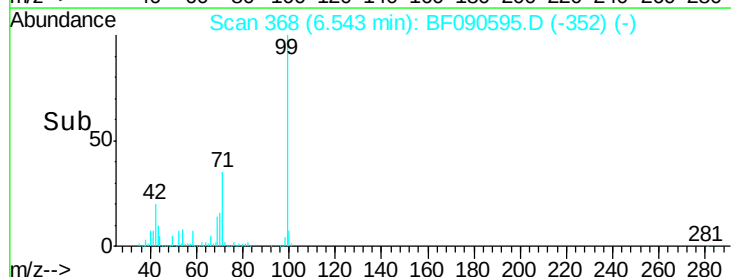
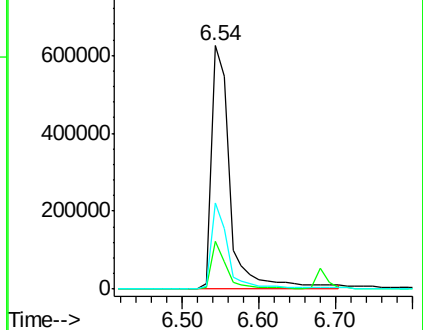
Tgt Ion:	99	Resp:	1054299
Ion Ratio	Lower	Upper	
99	100		
42	19.7	14.7	22.1
71	35.5	27.6	41.4

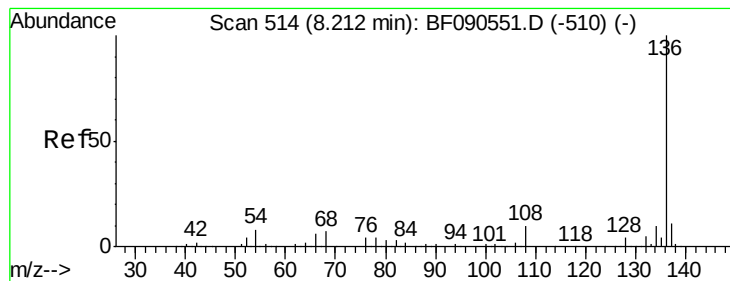


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

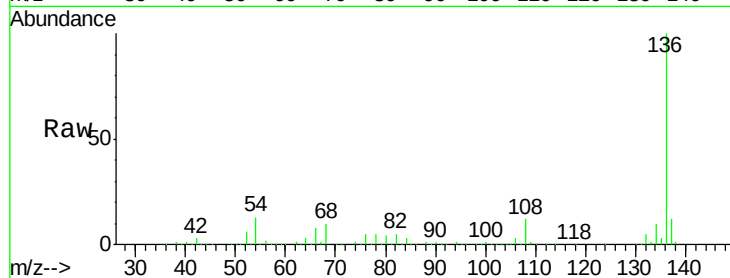




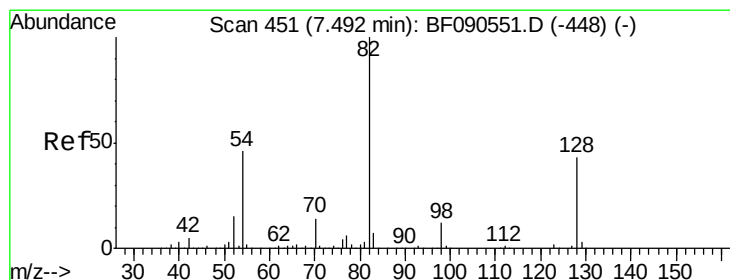
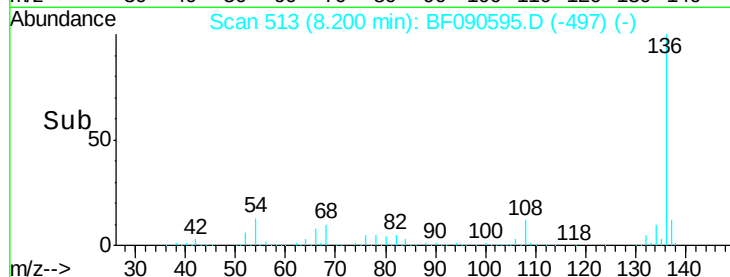
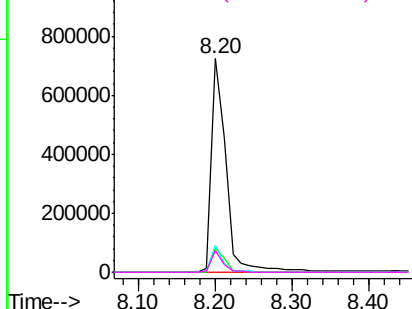
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 513
Delta R.T. -0.01 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Instrument :
BNA_F
ClientSampleId :
2

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.8	13.2
54	12.7	6.8	10.2
68	10.3	6.0	9.0

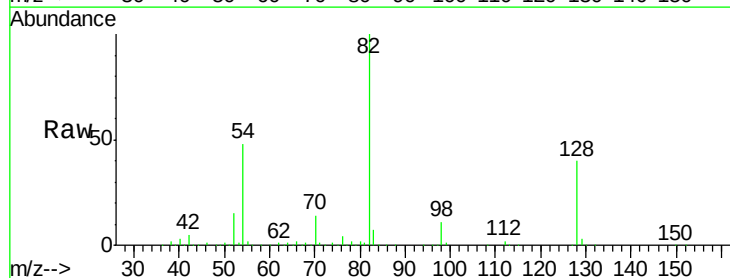


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

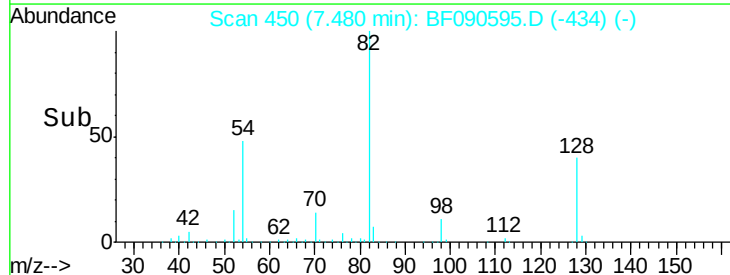
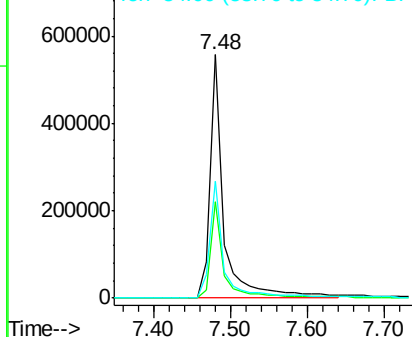


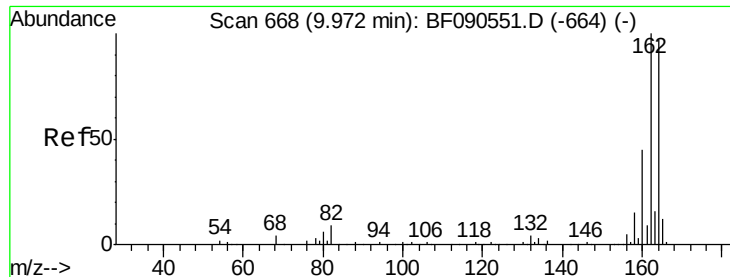
#23
Nitrobenzene-d5
Concen: 40.13 ng
RT: 7.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.8	34.3	51.5
54	48.0	37.0	55.6



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

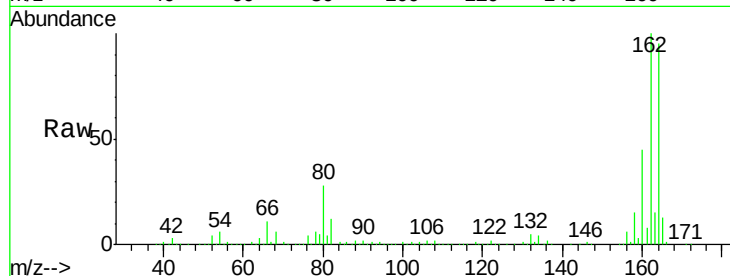




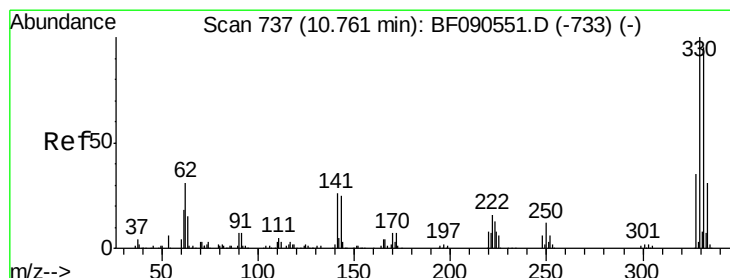
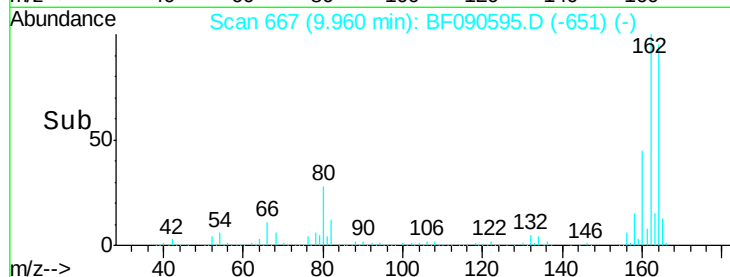
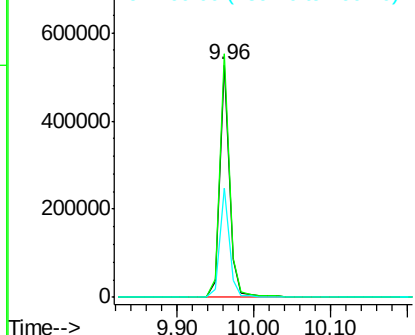
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.96 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: BF090595.D
 Acq: 15 Oct 2016 8:56

Instrument :
 BNA_F
 ClientSampleId :
 2

Tgt Ion:164 Resp: 470331
 Ion Ratio Lower Upper
 164 100
 162 104.8 82.2 123.4
 160 47.3 36.6 55.0

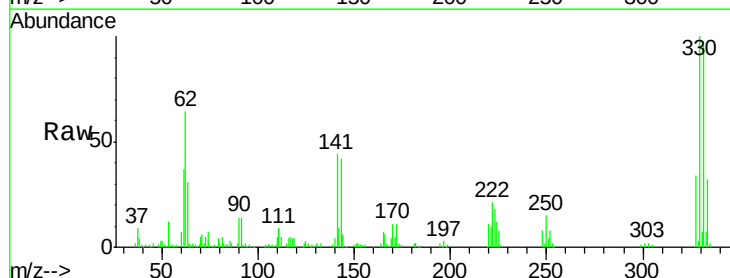


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

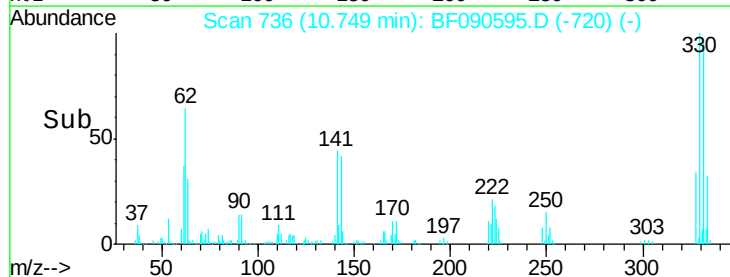
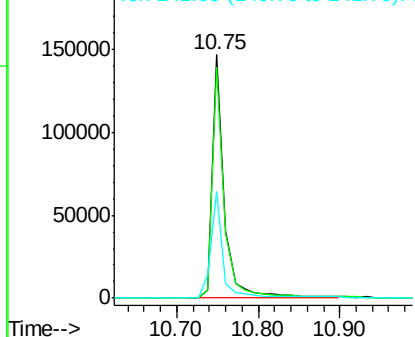


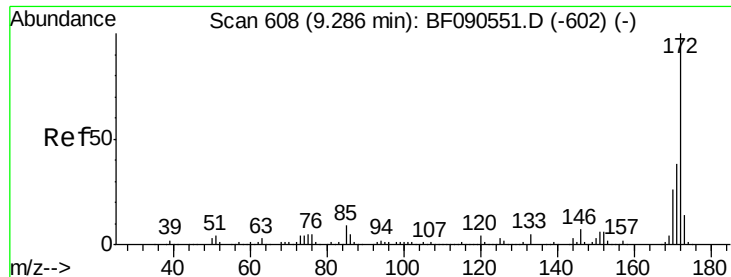
#41
 2,4,6-Tribromophenol
 Concen: 36.62 ng
 RT: 10.75 min Scan# 736
 Delta R.T. -0.01 min
 Lab File: BF090595.D
 Acq: 15 Oct 2016 8:56

Tgt Ion:330 Resp: 153542
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.2 114.2
 141 44.8 31.4 47.2



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

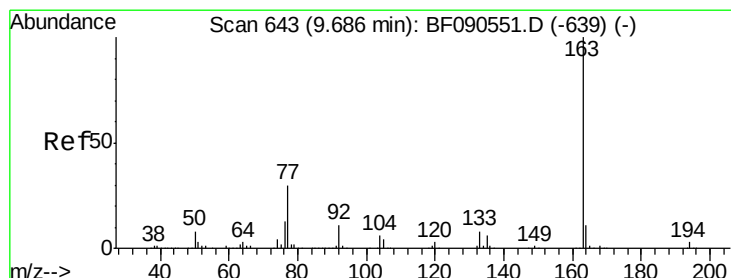
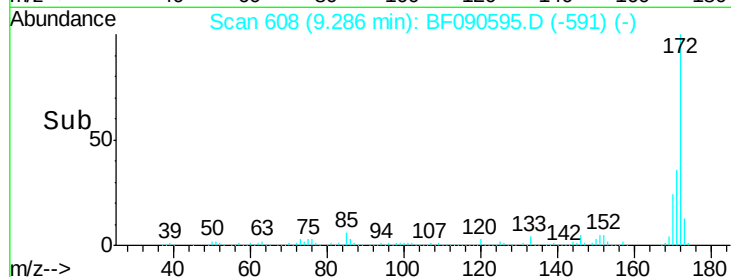
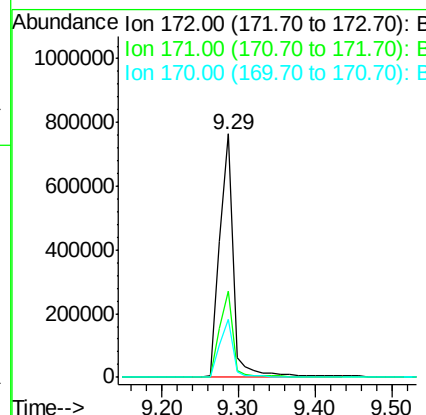
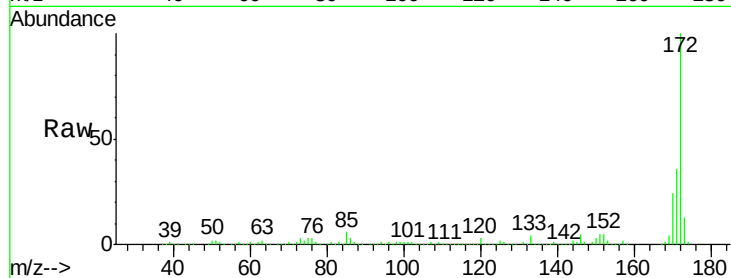




#44
 2-Fluorobiphenyl
 Concen: 33.33 ng
 RT: 9.29 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: BF090595.D
 Acq: 15 Oct 2016 8:56

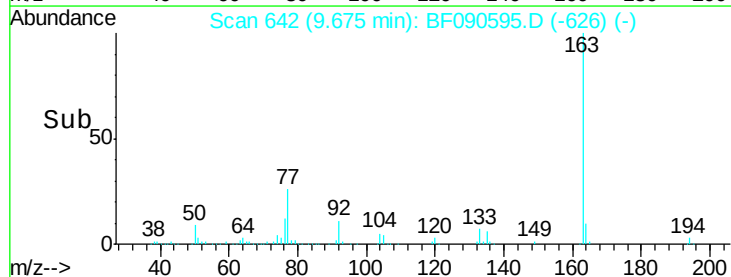
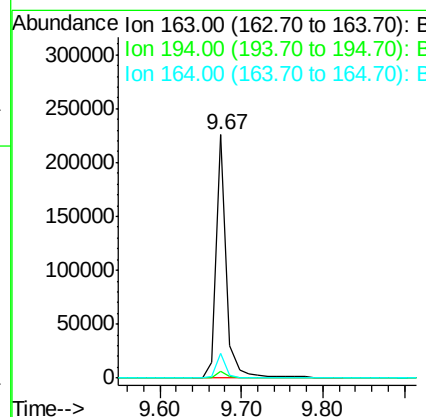
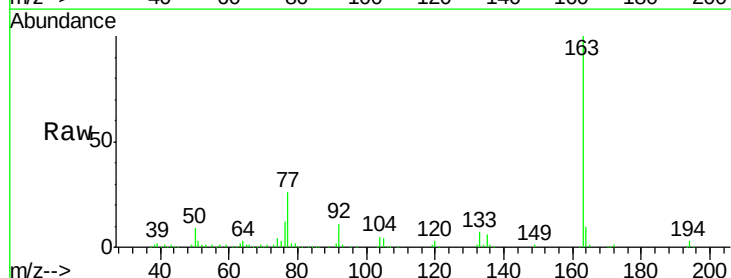
Instrument :
 BNA_F
 ClientSampled :
 2

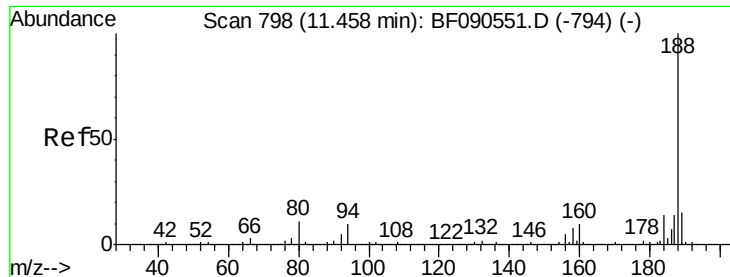
Tgt Ion:172 Resp: 951422
 Ion Ratio Lower Upper
 172 100
 171 35.6 30.1 45.1
 170 24.1 20.6 30.8



#49
 Dimethylphthalate
 Concen: 6.64 ng
 RT: 9.67 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: BF090595.D
 Acq: 15 Oct 2016 8:56

Tgt Ion:163 Resp: 202548
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.3 3.5
 164 10.2 8.6 13.0

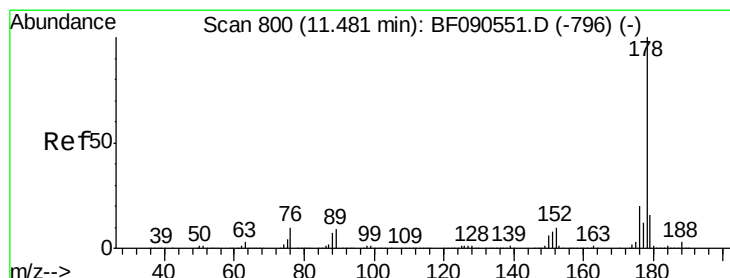
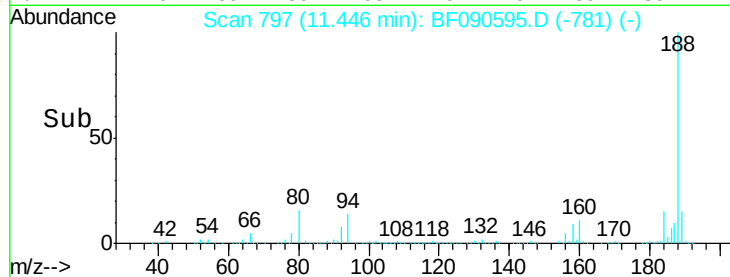
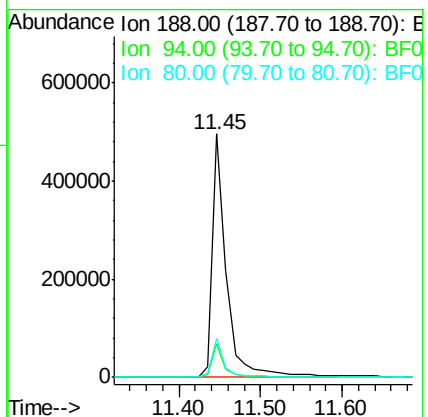
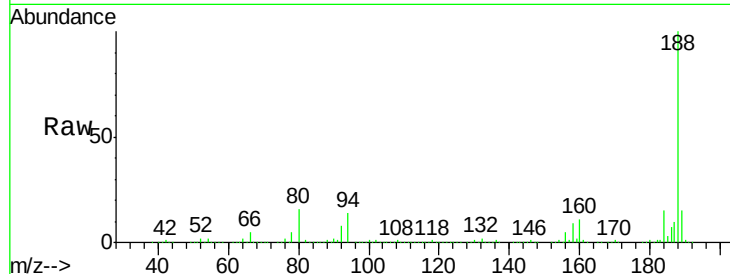




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

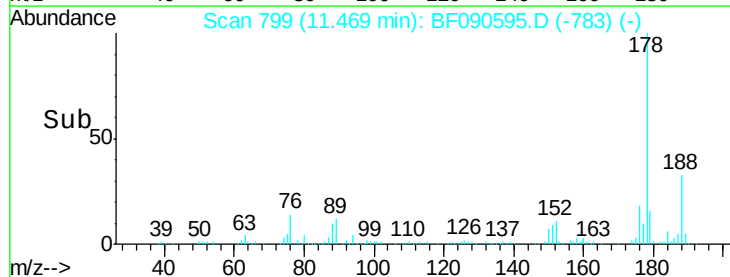
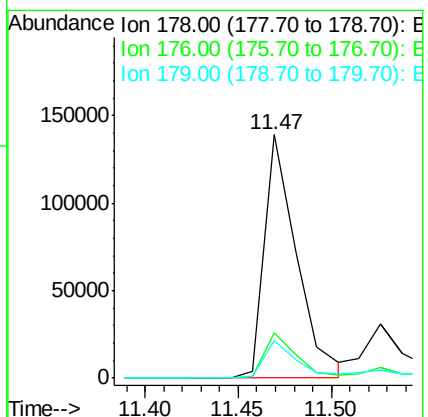
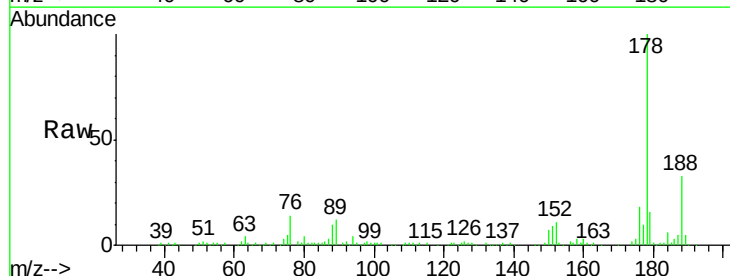
Instrument :
BNA_F
ClientSampleId :
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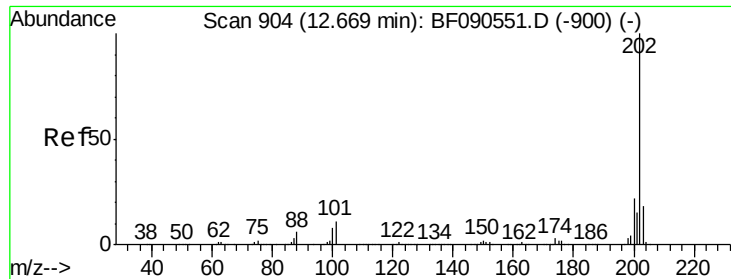
Tgt Ion:188 Resp: 608766
Ion Ratio Lower Upper
188 100
94 14.1 7.7 11.5#
80 15.9 8.6 12.8#



#70
Phenanthrene
Concen: 5.10 ng
RT: 11.47 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Tgt Ion:178 Resp: 165853
Ion Ratio Lower Upper
178 100
176 18.5 16.1 24.1
179 15.6 12.6 19.0





#74

Fluoranthene

Concen: 8.33 ng

RT: 12.66 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF090595.D

Acq: 15 Oct 2016 8:56

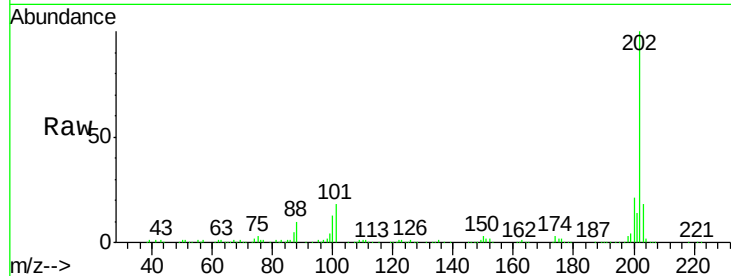
Instrument :

BNA_F

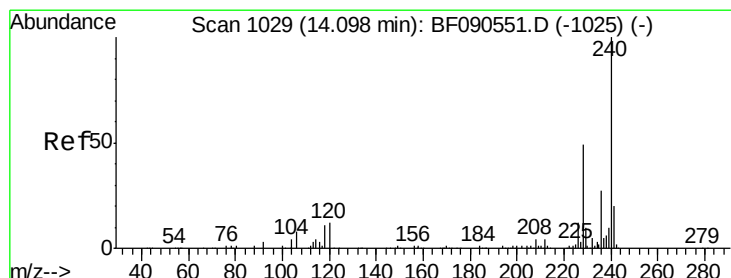
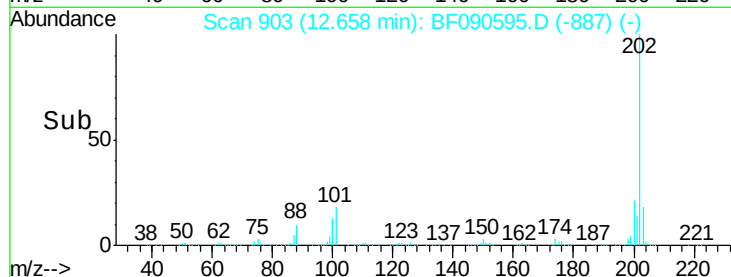
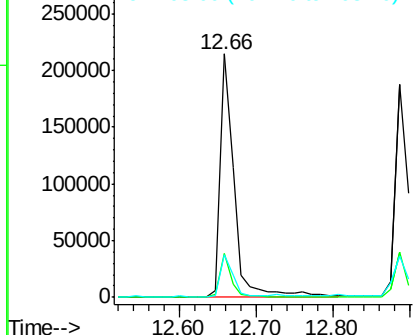
ClientSampleId :

2

Tgt Ion:	202	Resp:	272142
Ion	Ratio	Lower	Upper
202	100		
101	18.1	0.0	31.1
203	17.6	0.0	38.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

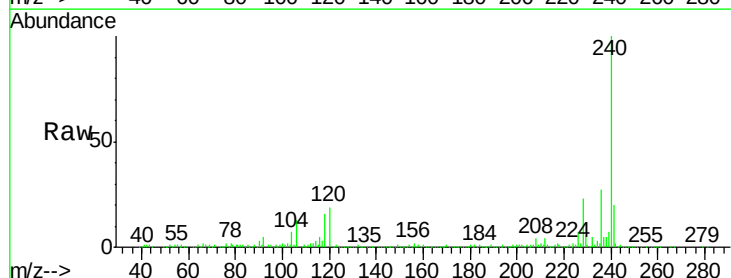
RT: 14.09 min Scan# 1028

Delta R.T. -0.01 min

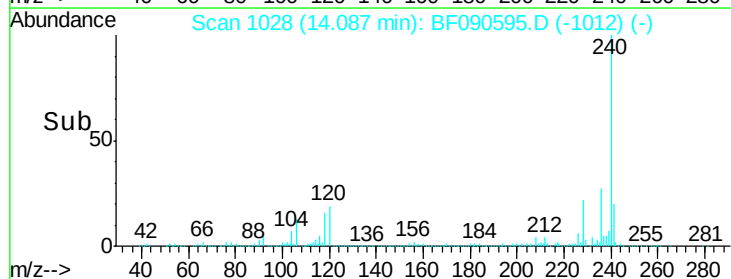
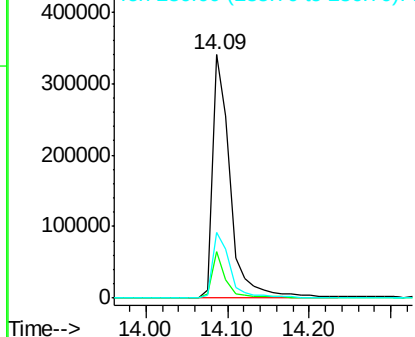
Lab File: BF090595.D

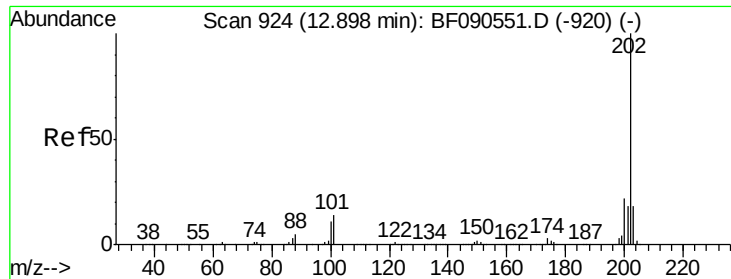
Acq: 15 Oct 2016 8:56

Tgt Ion:	240	Resp:	517711
Ion	Ratio	Lower	Upper
240	100		
120	18.9	9.8	14.8#
236	26.7	21.7	32.5



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

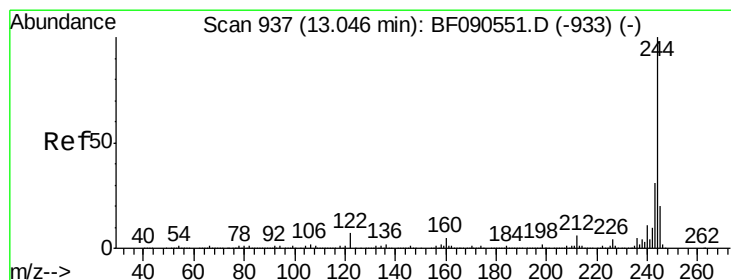
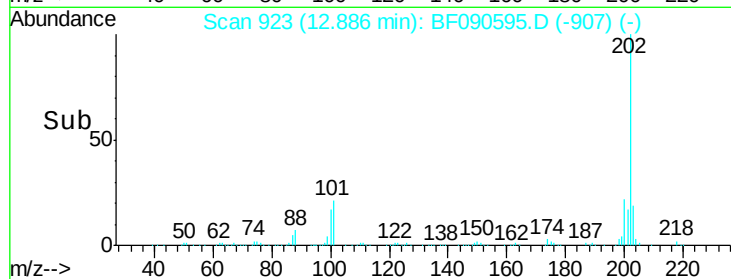
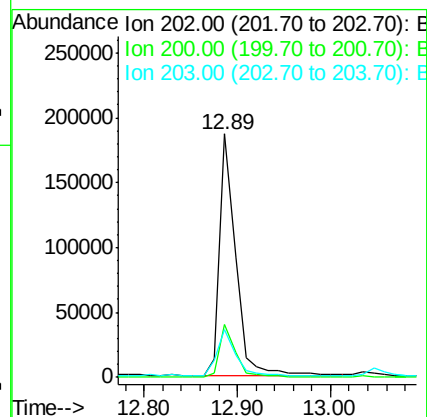
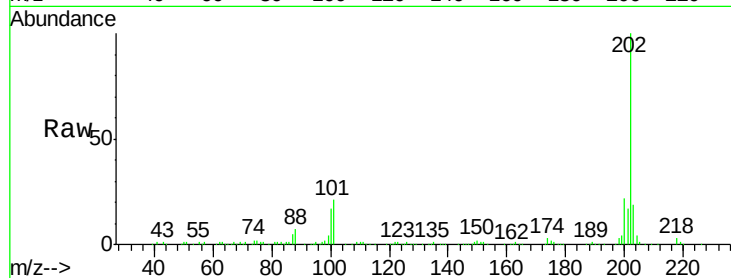




#77
 Pyrene
 Concen: 6.52 ng
 RT: 12.89 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BF090595.D
 Acq: 15 Oct 2016 8:56

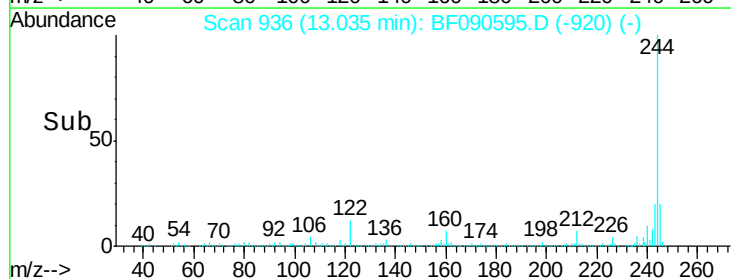
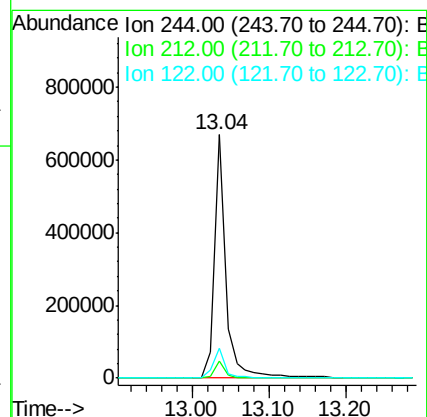
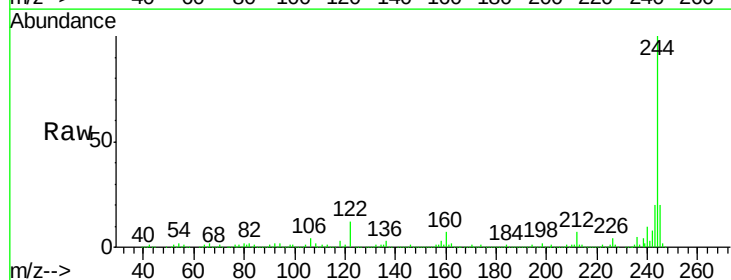
Instrument :
 BNA_F
 ClientSampleId :
 2

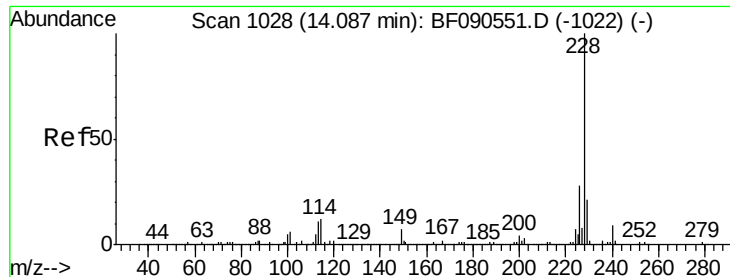
Tgt Ion: 202 Resp: 223412
 Ion Ratio Lower Upper
 202 100
 200 21.8 17.8 26.6
 203 19.4 14.6 21.8



#78
 Terphenyl-d14
 Concen: 31.08 ng
 RT: 13.04 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: BF090595.D
 Acq: 15 Oct 2016 8:56

Tgt Ion: 244 Resp: 691016
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.0 7.4
 122 12.3 5.6 8.4#





#80

Benzo(a)anthracene

Concen: 8.95 ng

RT: 14.09 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF090595.D

Acq: 15 Oct 2016 8:56

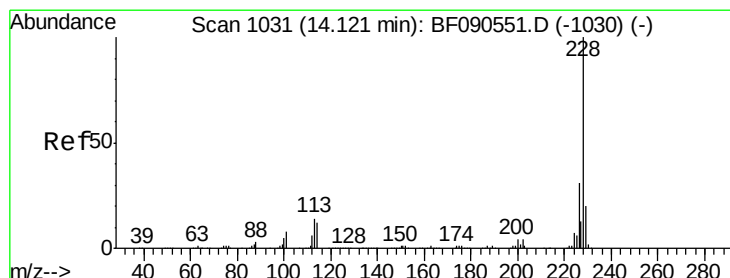
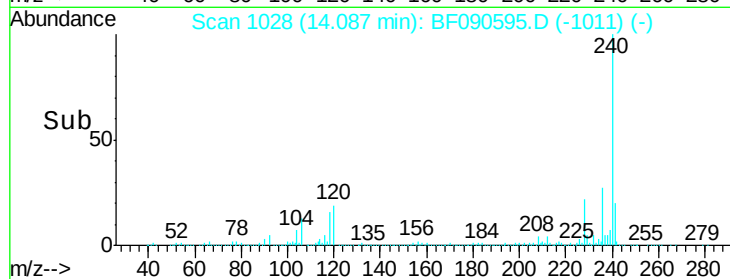
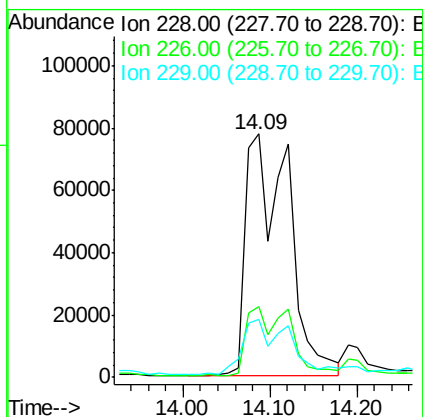
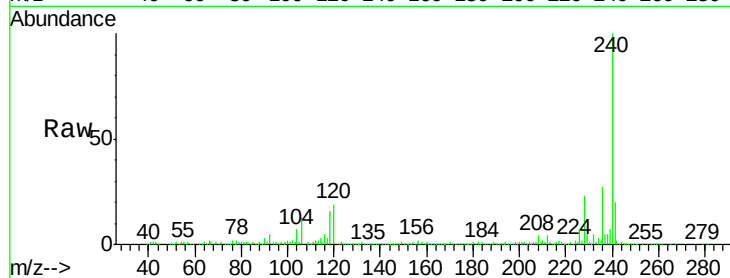
Instrument :

BNA_F

ClientSampled :

2

Tgt Ion:	228	Resp:	263768
Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.8	34.2
229	23.6	16.6	25.0



#82

Chrysene

Concen: 9.29 ng

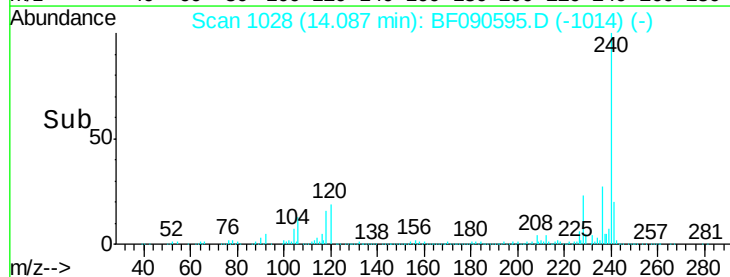
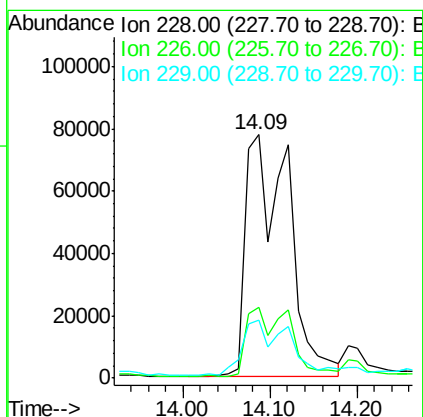
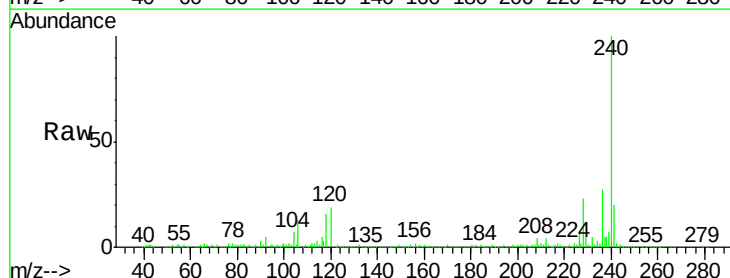
RT: 14.09 min Scan# 1028

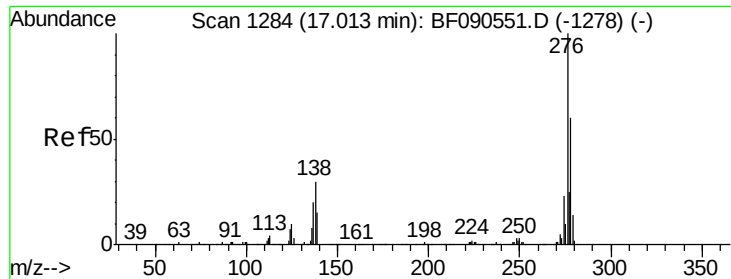
Delta R.T. -0.03 min

Lab File: BF090595.D

Acq: 15 Oct 2016 8:56

Tgt Ion:	228	Resp:	263768
Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.8	37.2
229	23.6	16.2	24.4

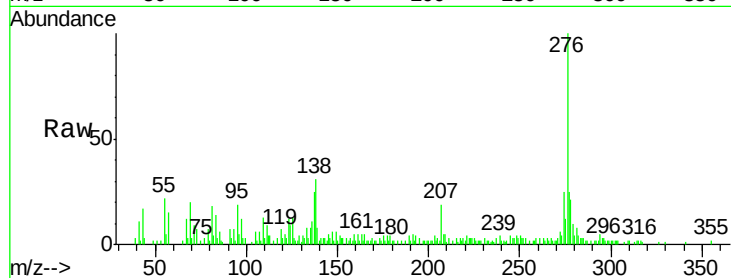




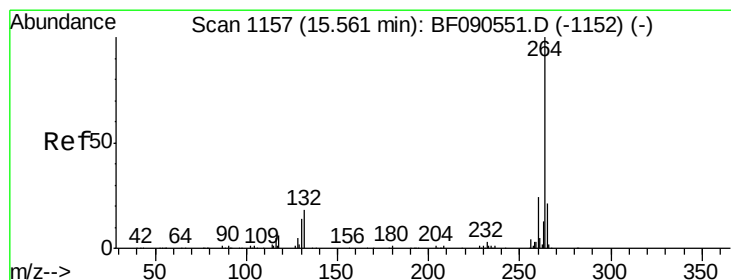
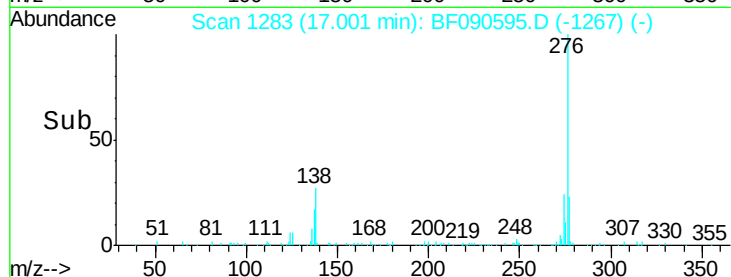
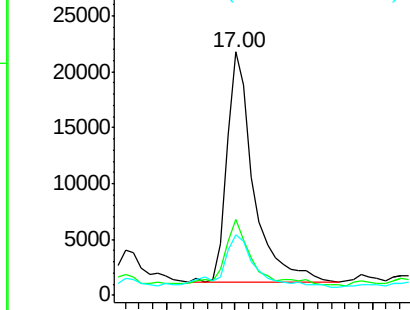
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.40 ng
 RT: 17.00 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: BF090595.D
 Acq: 15 Oct 2016 8:56

Instrument :
 BNA_F
 ClientSampleId :
 2

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.5	25.8	38.6#
277	28.5	20.1	30.1

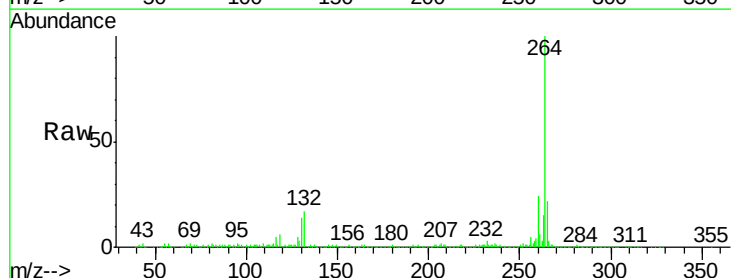


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

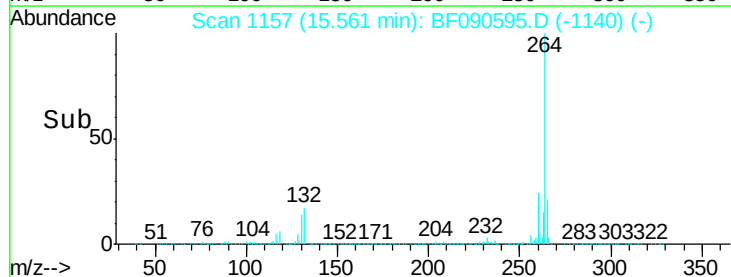
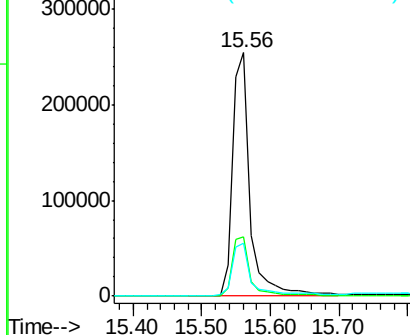


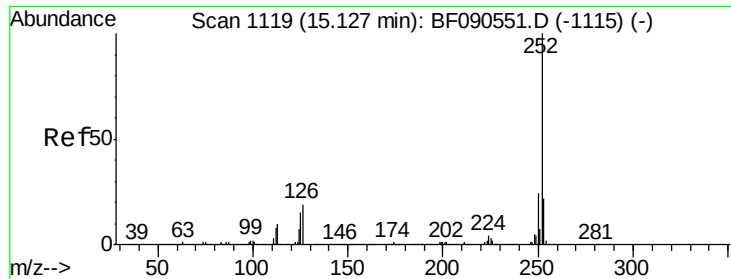
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.56 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: BF090595.D
 Acq: 15 Oct 2016 8:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.3	28.9
265	21.6	16.7	25.1



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

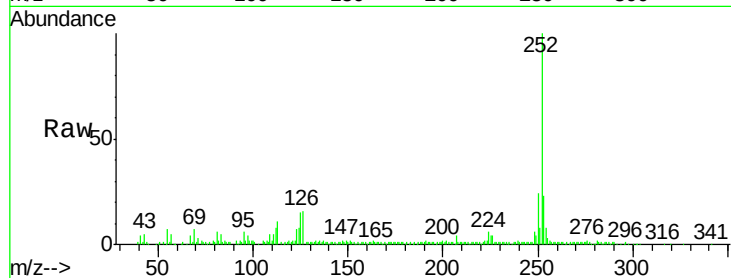




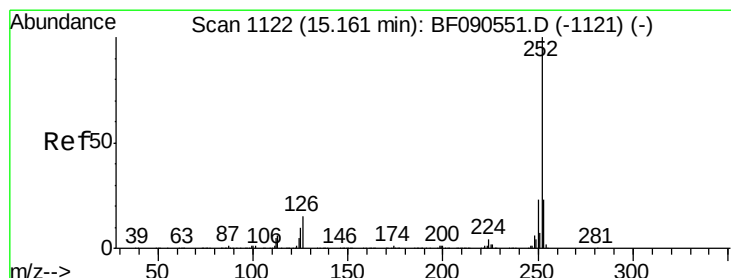
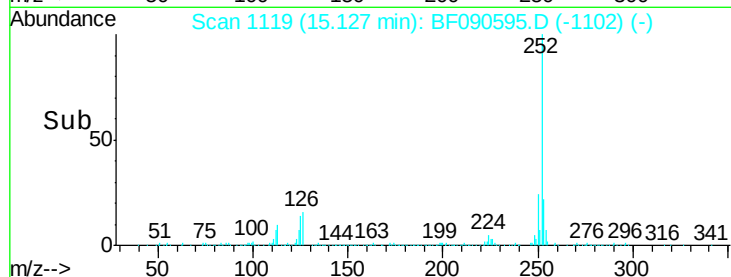
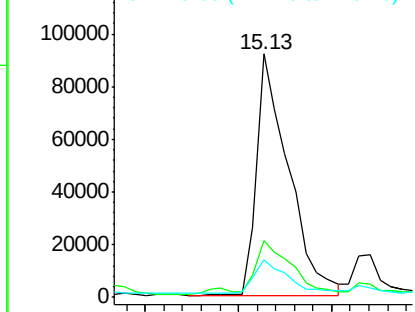
#87
Benzo(b)fluoranthene
Concen: 7.38 ng
RT: 15.13 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Instrument :
BNA_F
ClientSampleId :
2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	15.3	12.0	18.0

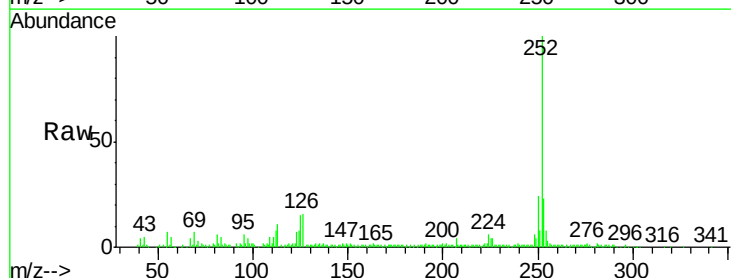


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

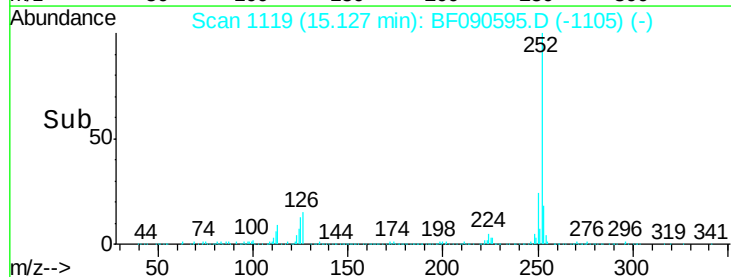
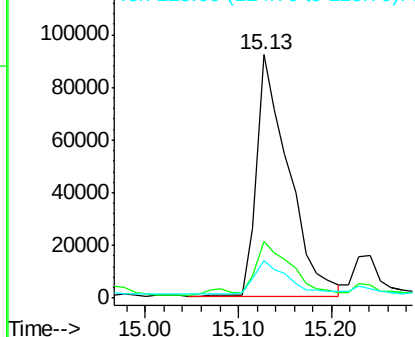


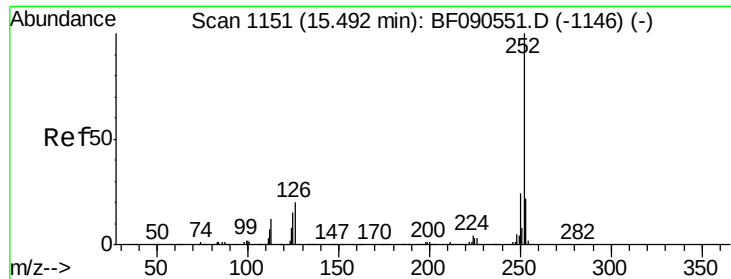
#88
Benzo(k)fluoranthene
Concen: 6.86 ng
RT: 15.13 min Scan# 1119
Delta R.T. -0.03 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	15.3	10.0	15.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.19 ng

RT: 15.49 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BF090595.D

Acq: 15 Oct 2016 8:56

Instrument :

BNA_F

ClientSampleId :

2

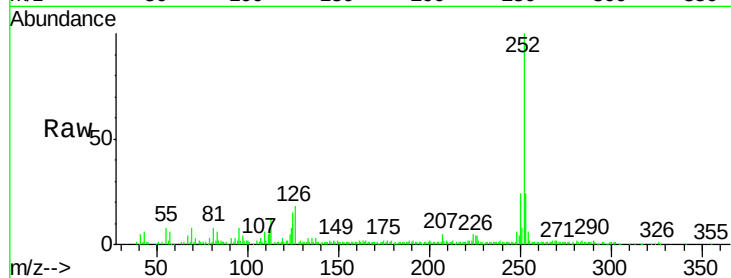
Tgt Ion: 252 Resp: 113620

Ion Ratio Lower Upper

252 100

253 24.4 17.9 26.9

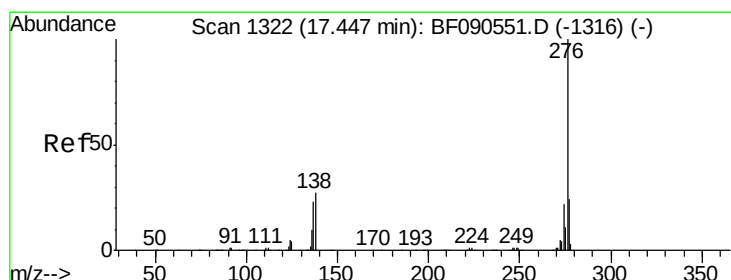
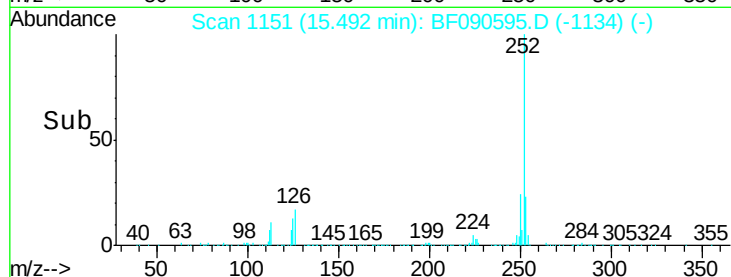
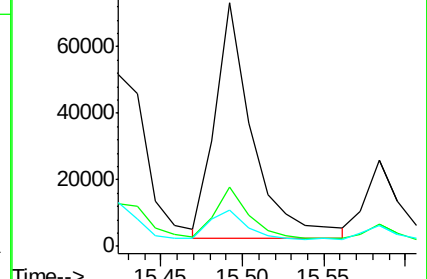
125 14.8 12.3 18.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 2.78 ng

RT: 17.44 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF090595.D

Acq: 15 Oct 2016 8:56

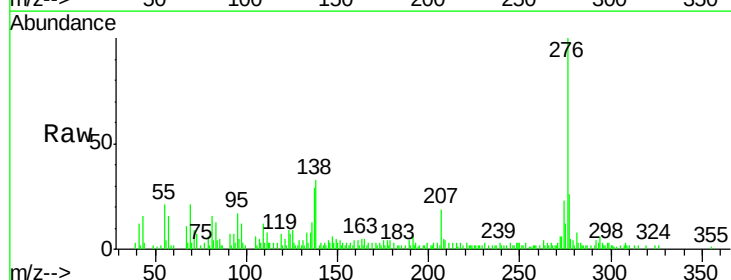
Tgt Ion: 276 Resp: 54807

Ion Ratio Lower Upper

276 100

277 26.2 18.8 28.2

138 32.8 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

