

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060817\
 Data File : BF095805.D
 Acq On : 9 Jun 2017 2:55
 Operator : SJ/MA
 Sample : I3470-05 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 09 04:30:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

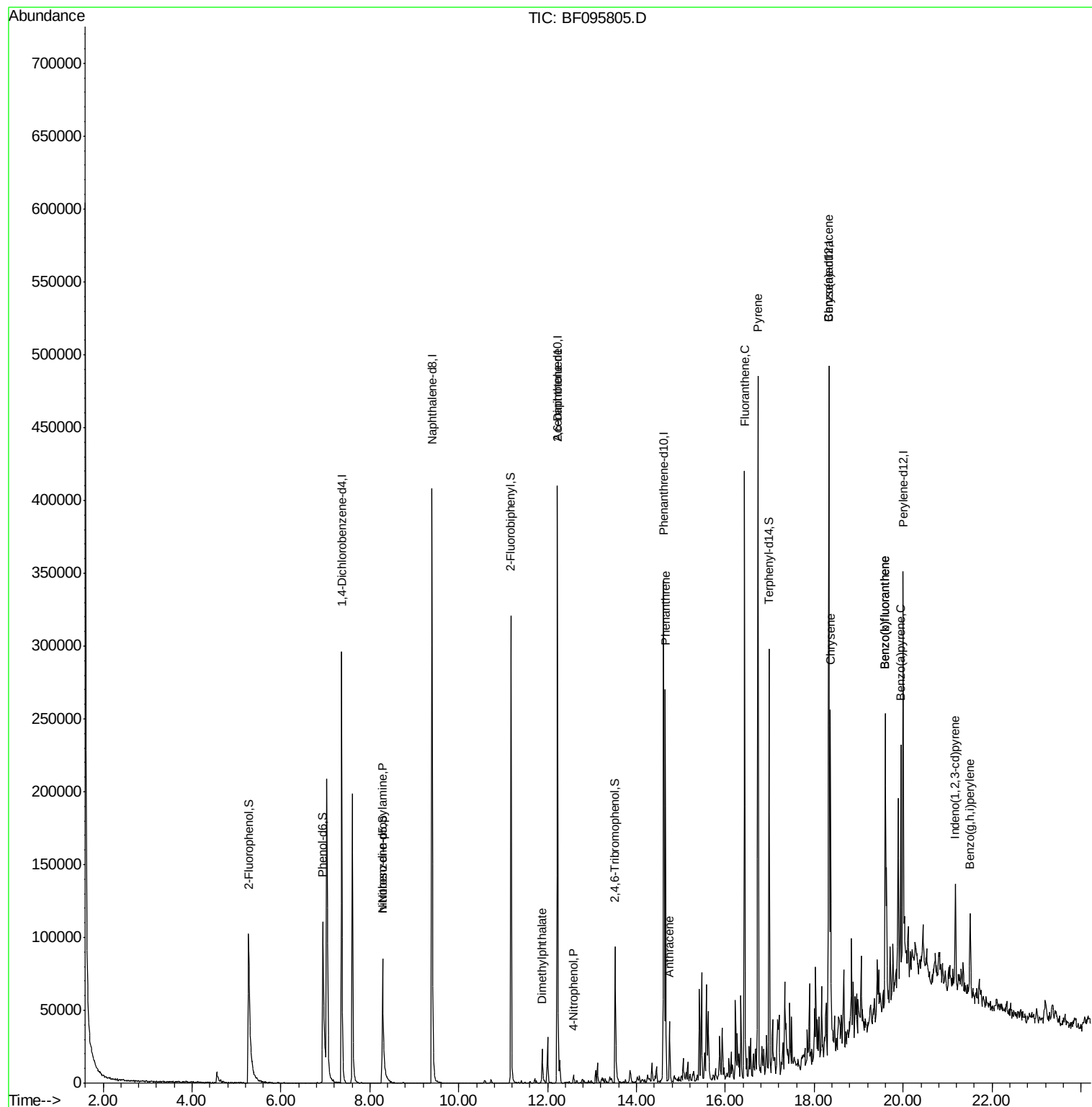
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	72430	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	286371	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	113647	20.00	ng	-0.04
63) Phenanthrene-d10	14.61	188	176173	20.00	ng	-0.04
75) Chrysene-d12	18.33	240	140717	20.00	ng	-0.02
86) Perylene-d12	20.00	264	106169	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	101596	22.35	ng	-0.02
7) Phenol-d6	6.94	99	125516	23.07	ng	-0.02
23) Nitrobenzene-d5	8.29	82	69786	15.13	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	19689	19.58	ng	-0.03
44) 2-Fluorobiphenyl	11.17	172	146324	17.92	ng	-0.04
78) Terphenyl-d14	16.99	244	94132	16.60	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.29	70	8243	2.39	ng	# 75
49) Dimethylphthalate	11.87	163	18833	2.18	ng	# 97
50) 2,6-Dinitrotoluene	12.22	165	14572	7.74	ng	# 31
55) 4-Nitrophenol	12.58	139	1772	5.93	ng	# 25
70) Phenanthrene	14.65	178	146203	14.38	ng	96
71) Anthracene	14.74	178	27699	2.61	ng	92
74) Fluoranthene	16.43	202	208053	20.68	ng	98
77) Pyrene	16.73	202	208712	19.88	ng	97
80) Benzo(a)anthracene	18.32	228	96765	11.83	ng	96
82) Chrysene	18.36	228	102727	12.56	ng	97
85) Indeno(1,2,3-cd)pyrene	21.17	276	36966	5.28	ng	94
87) Benzo(b)fluoranthene	19.60	252	95748	14.40	ng	# 97
88) Benzo(k)fluoranthene	19.60	252	95748	15.07	ng	99
89) Benzo(a)pyrene	19.94	252	65053	10.65	ng	98
91) Benzo(a,h,i)perylene	21.50	276	37818	7.16	ng	95

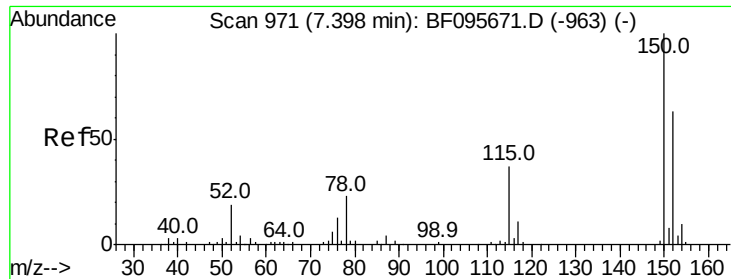
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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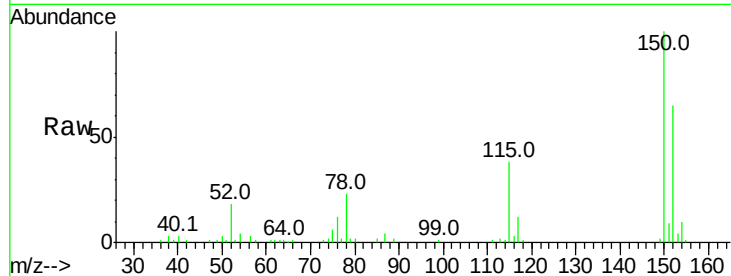


#1

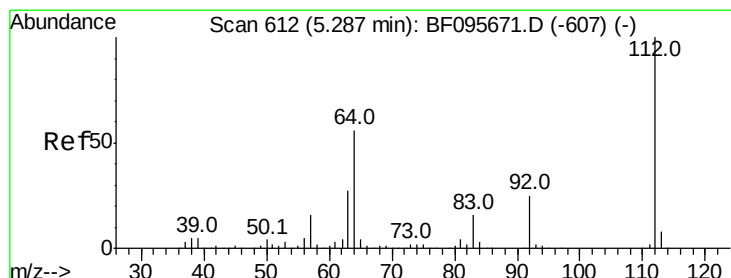
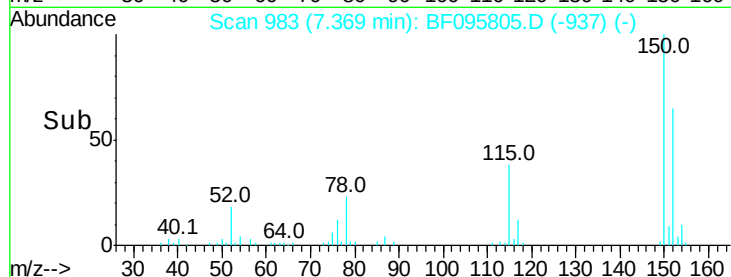
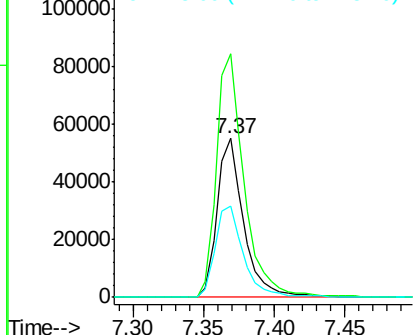
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095805.D
Acq: 9 Jun 2017 2:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 72430
Ion Ratio Lower Upper
152 100
150 153.1 126.2 189.2
115 57.6 52.2 78.2



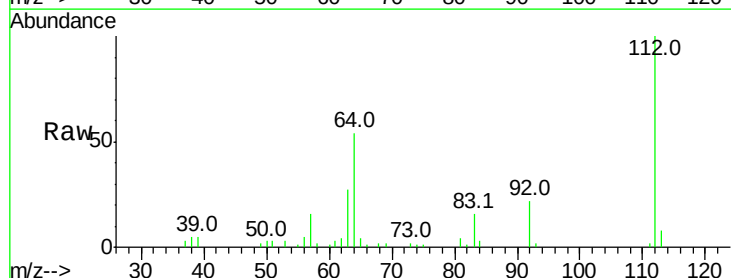
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



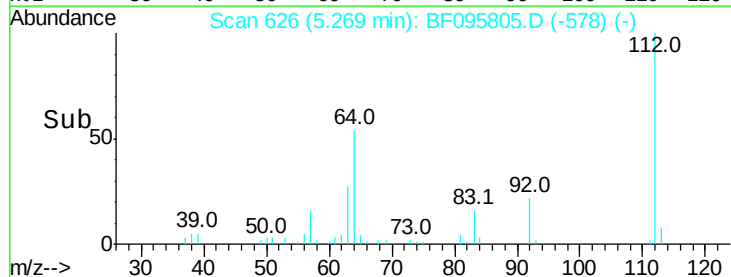
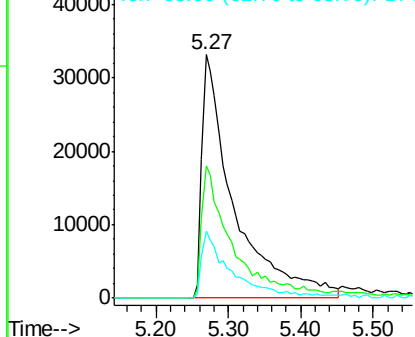
#5

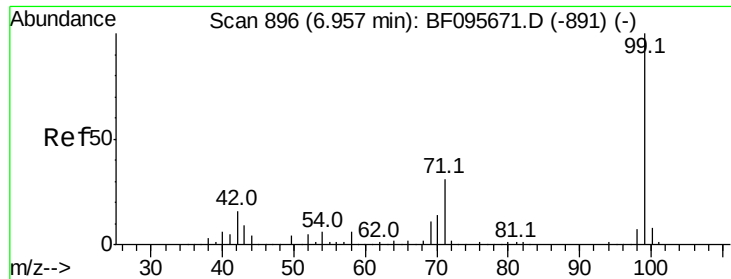
2-Fluorophenol
Concen: 22.35 ng
RT: 5.27 min Scan# 626
Delta R.T. -0.02 min
Lab File: BF095805.D
Acq: 9 Jun 2017 2:55

Tgt Ion:112 Resp: 101596
Ion Ratio Lower Upper
112 100
64 54.4 46.0 69.0
63 27.4 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 23.07 ng

RT: 6.94 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095805.D

Acq: 9 Jun 2017 2:55

Instrument :

BNA_F

ClientSampleId :

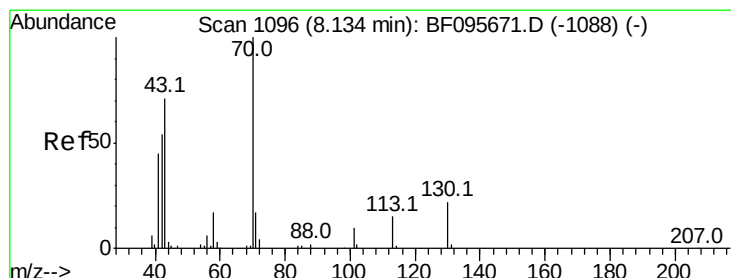
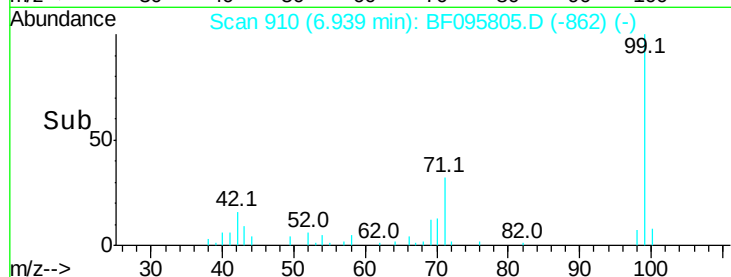
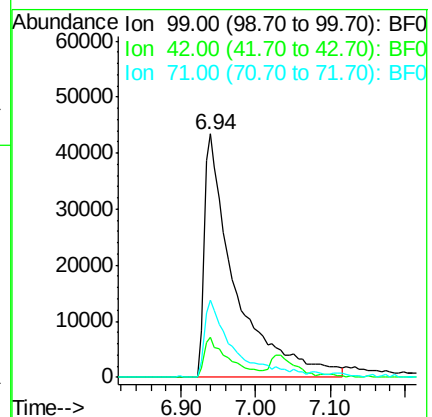
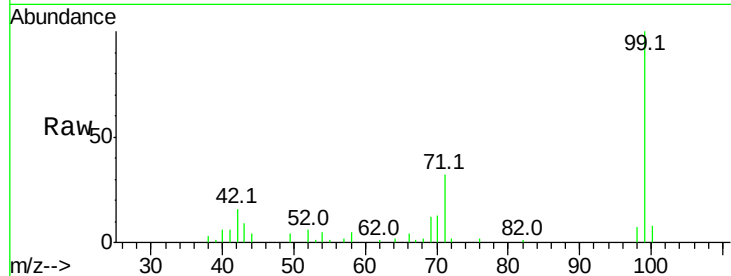
Tot Ion: 99 Resp: 125516

Ion Ratio Lower Upper

99 100

42 16.5 13.5 20.3

71 31.7 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 2.39 ng

RT: 8.29 min Scan# 1139

Delta R.T. 0.15 min

Lab File: BF095805.D

Acq: 9 Jun 2017 2:55

Tgt Ion: 70 Resp: 8243

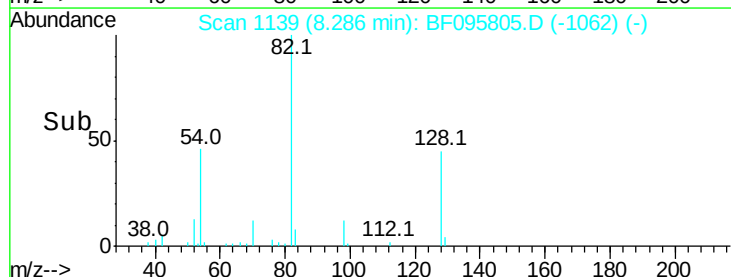
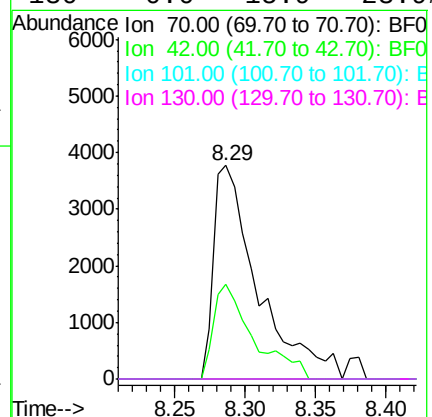
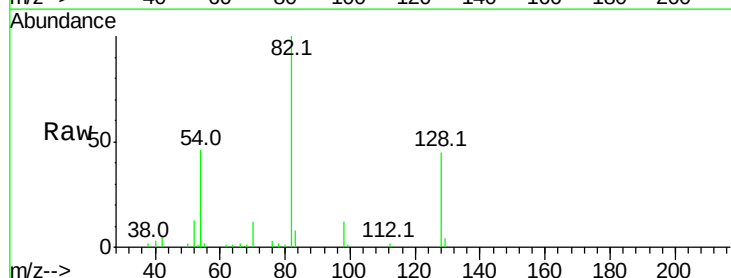
Ion Ratio Lower Upper

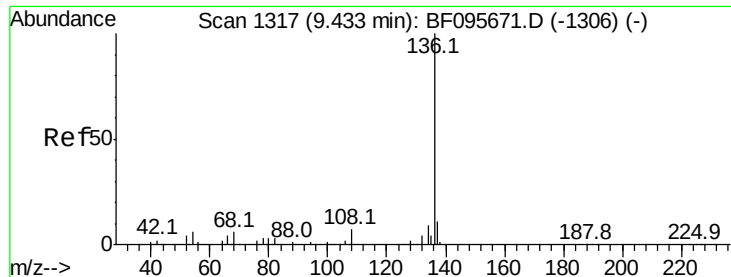
70 100

42 44.5 47.2 70.8#

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

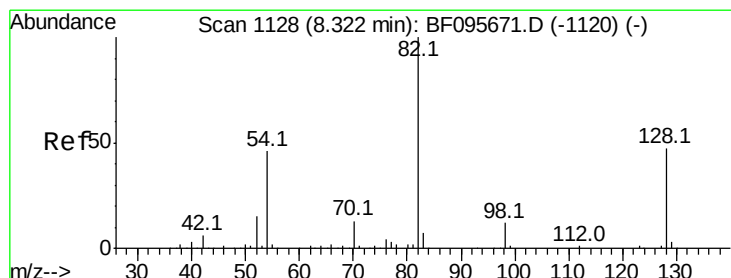
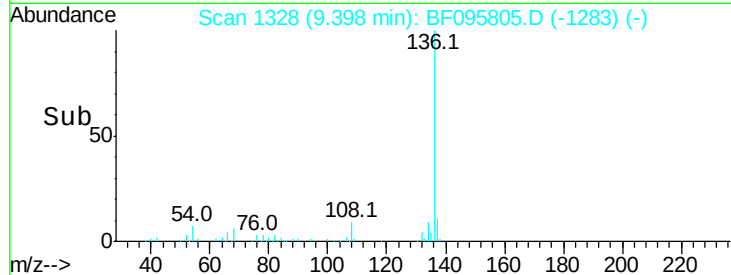
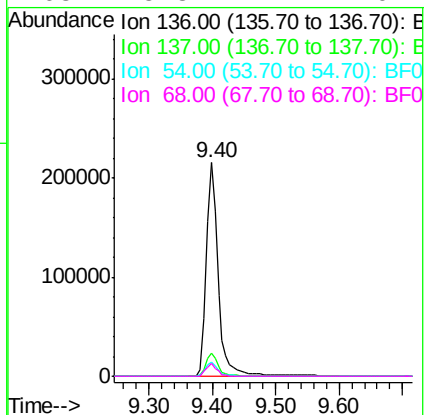
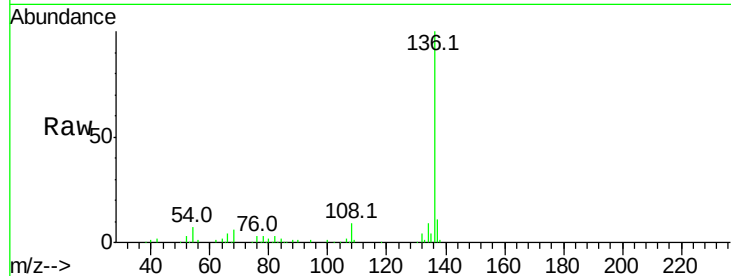




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.40 min Scan# 1328
Delta R.T. -0.04 min
Lab File: BF095805.D
Acq: 9 Jun 2017 2:55

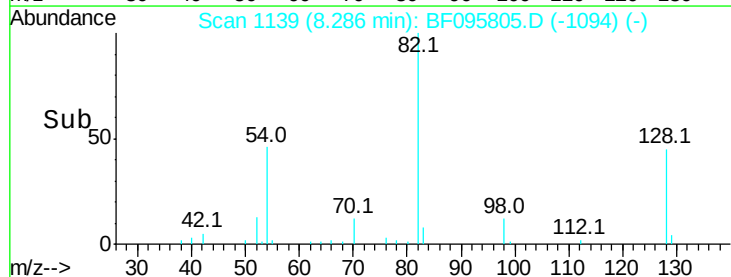
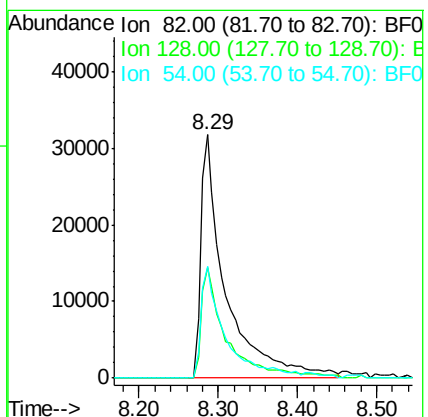
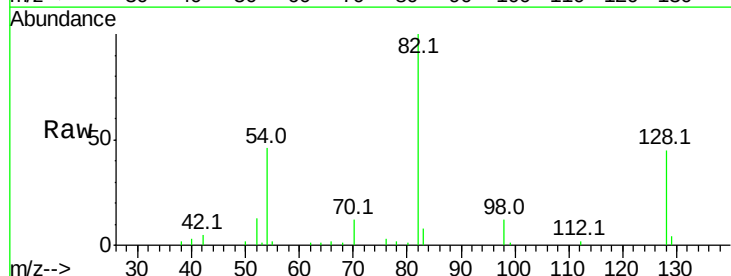
Instrument :
BNA_F
ClientSampleId :

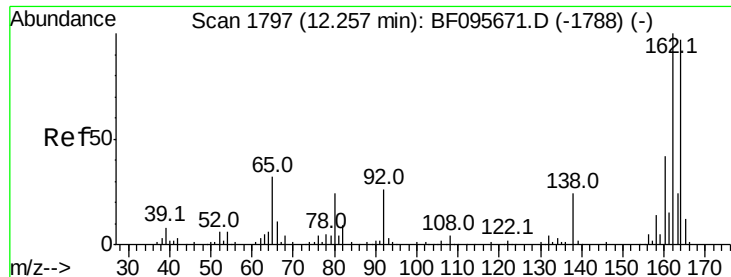
Tot Ion:136	Resp:	286371
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.5 12.7
54	6.7	4.9 7.3
68	5.8	4.1 6.1



#23
Nitrobenzene-d5
Concen: 15.13 ng
RT: 8.29 min Scan# 1139
Delta R.T. -0.04 min
Lab File: BF095805.D
Acq: 9 Jun 2017 2:55

Tgt Ion: 82	Resp:	69786
Ion Ratio	Lower	Upper
82	100	
128	45.5	34.0 51.0
54	45.9	42.2 63.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.22 min Scan# 1808

Delta R.T. -0.04 min

Lab File: BF095805.D

Acq: 9 Jun 2017 2:55

Instrument :

BNA_F

ClientSampled :

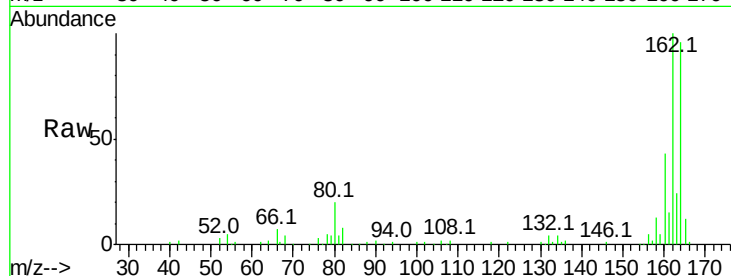
Tot Ion:164 Resp: 113647

Ion Ratio Lower Upper

164 100

162 103.7 82.6 123.8

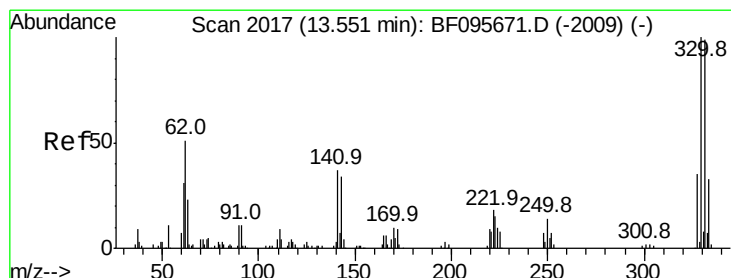
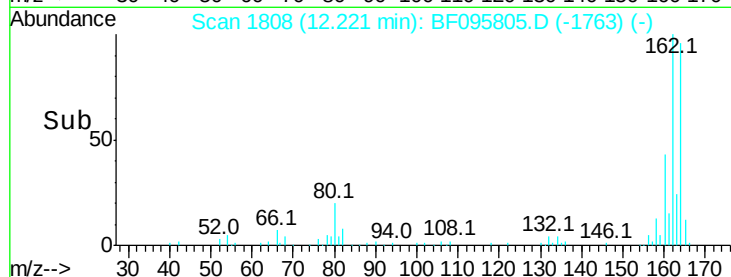
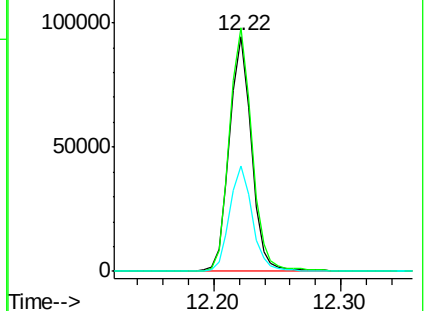
160 44.9 36.2 54.2



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: 19.58 ng

RT: 13.52 min Scan# 2029

Delta R.T. -0.03 min

Lab File: BF095805.D

Acq: 9 Jun 2017 2:55

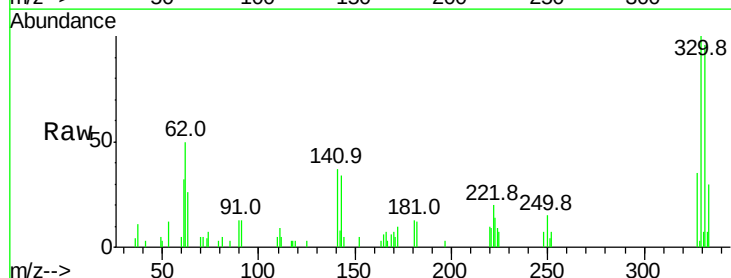
Tgt Ion:330 Resp: 19689

Ion Ratio Lower Upper

330 100

332 97.9 76.6 115.0

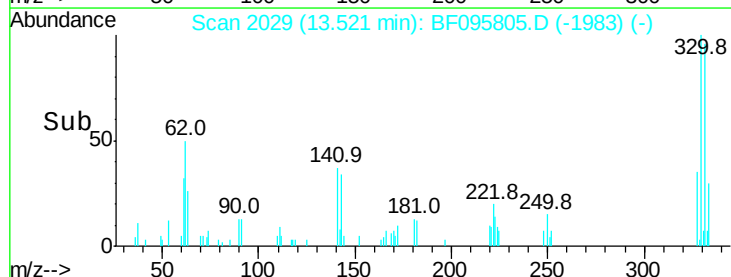
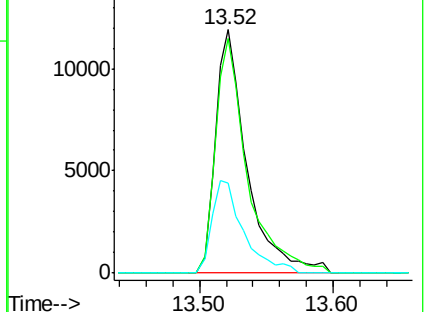
141 38.1 31.4 47.2

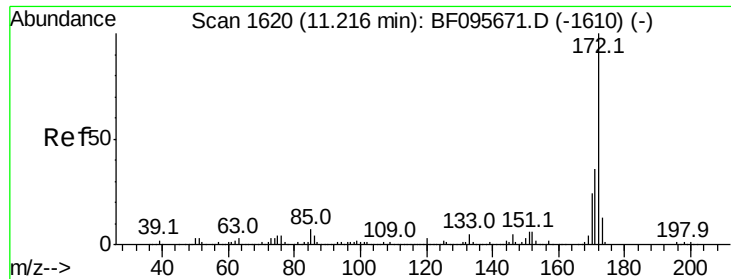


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

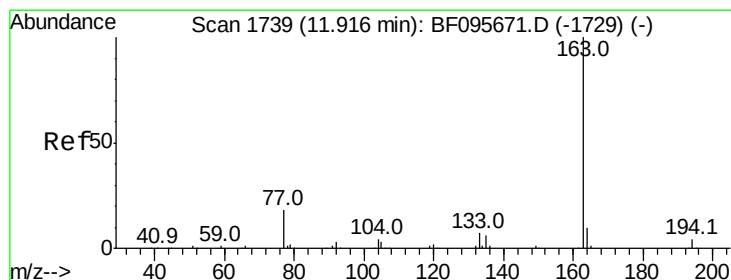
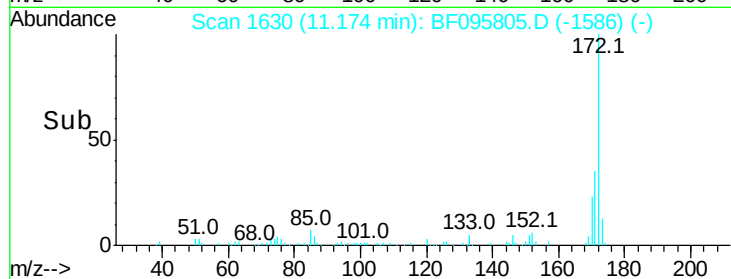
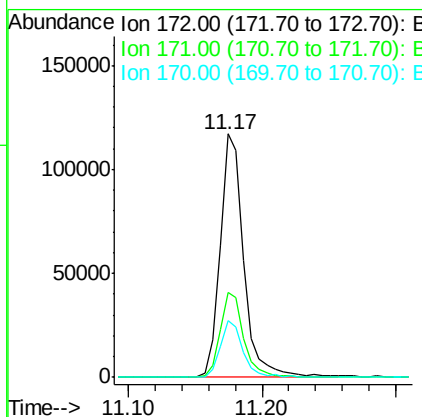
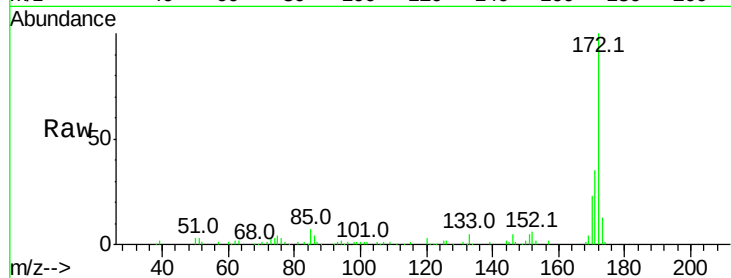




#44
2-Fluorobiphenyl
Concen: 17.92 ng
RT: 11.17 min Scan# 1630
Delta R.T. -0.04 min
Lab File: BF095805.D
Acq: 9 Jun 2017 2:55

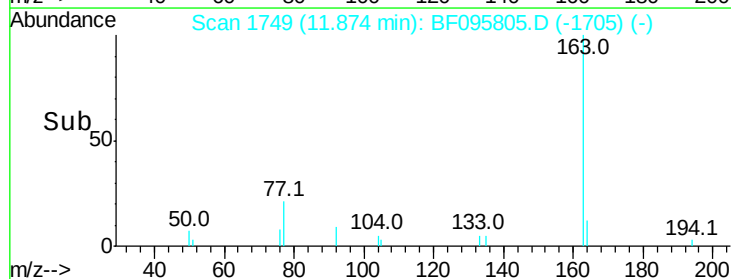
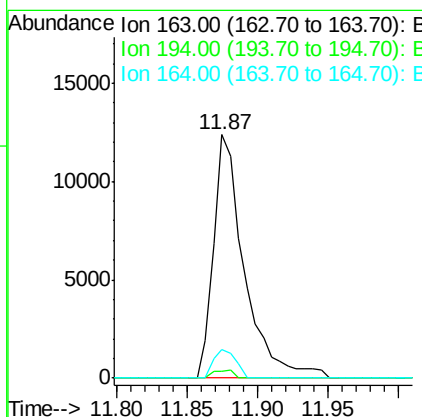
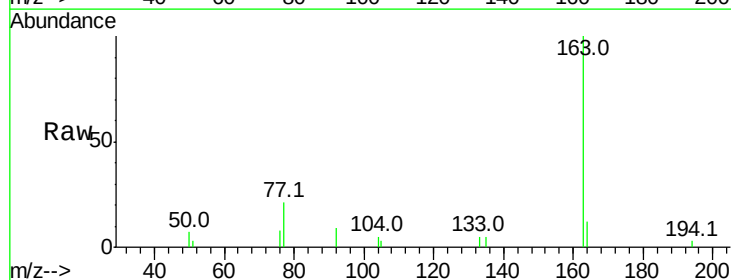
Instrument :
BNA_F
ClientSampleId :

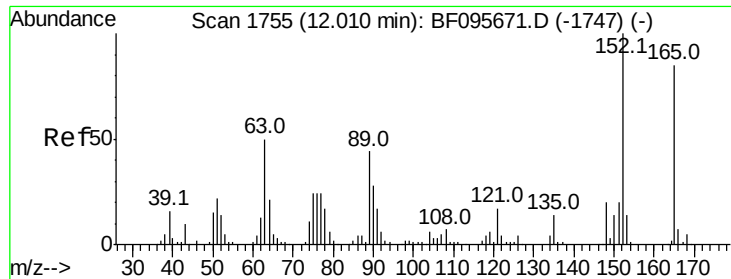
Tot Ion:172 Resp: 146324
Ion Ratio Lower Upper
172 100
171 34.7 29.6 44.4
170 23.1 19.8 29.8



#49
Dimethylphthalate
Concen: 2.18 ng
RT: 11.87 min Scan# 1749
Delta R.T. -0.04 min
Lab File: BF095805.D
Acq: 9 Jun 2017 2:55

Tgt Ion:163 Resp: 18833
Ion Ratio Lower Upper
163 100
194 2.6 2.6 4.0#
164 11.5 8.4 12.6

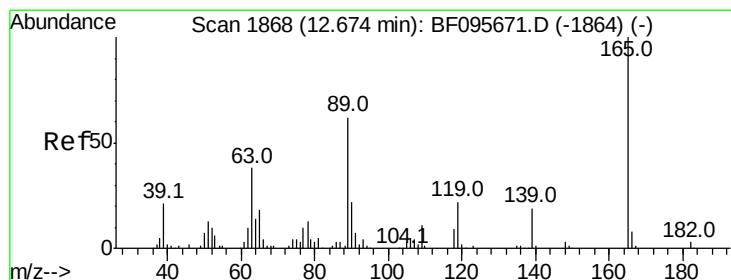
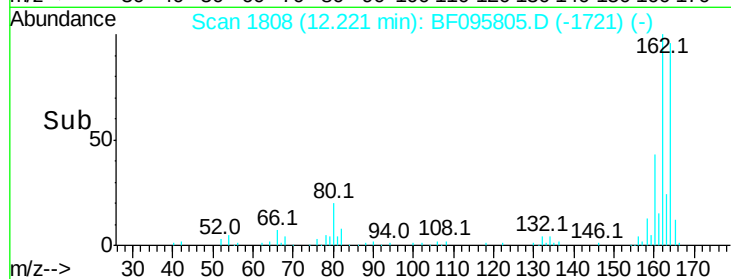
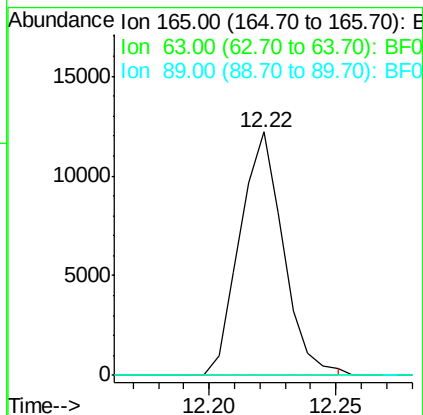
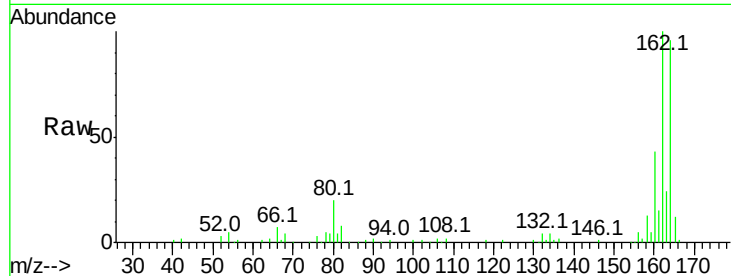




#50
 2,6-Dinitrotoluene
 Concen: 7.74 ng
 RT: 12.22 min Scan# 1808
 Delta R.T. 0.21 min
 Lab File: BF095805.D
 Acq: 9 Jun 2017 2:55

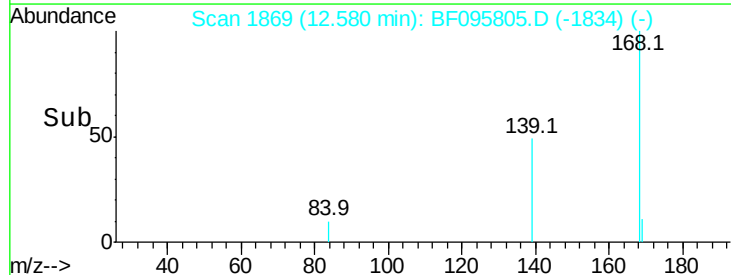
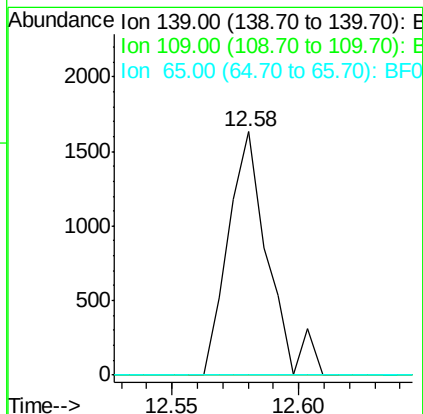
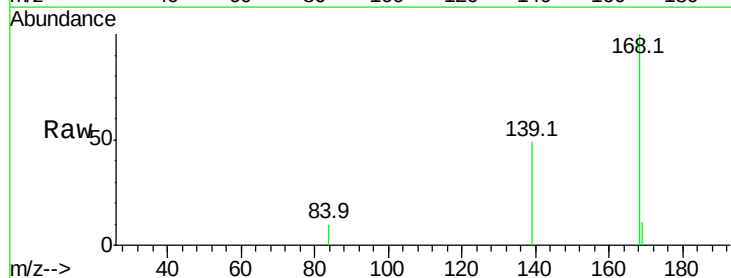
Instrument :
 BNA_F
 ClientSampleId :

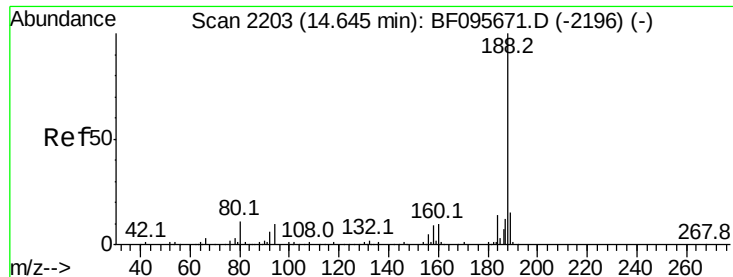
Tot Ion:165 Resp: 14572
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 0.0 37.1 55.7#



#55
 4-Nitrophenol
 Concen: 5.93 ng
 RT: 12.58 min Scan# 1869
 Delta R.T. -0.09 min
 Lab File: BF095805.D
 Acq: 9 Jun 2017 2:55

Tgt Ion:139 Resp: 1772
 Ion Ratio Lower Upper
 139 100
 109 0.0 34.1 74.1#
 65 0.0 31.4 71.4#

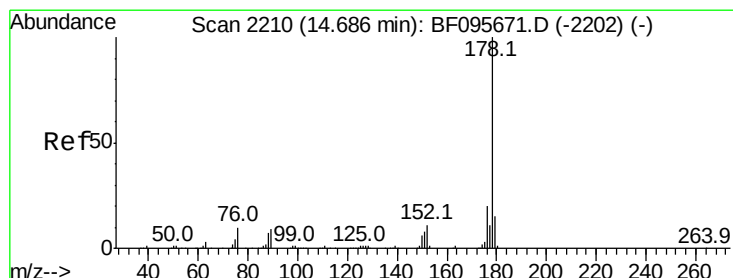
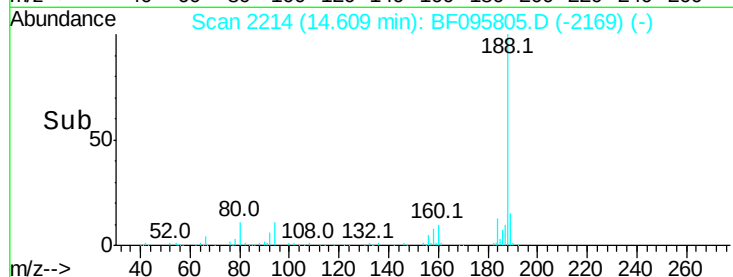
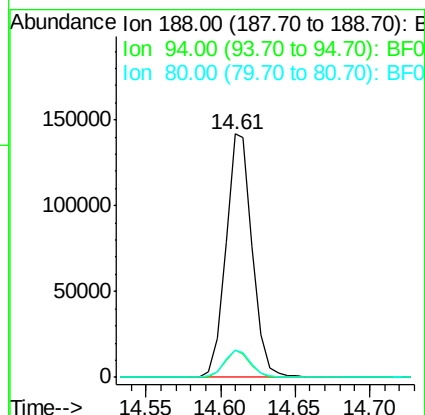
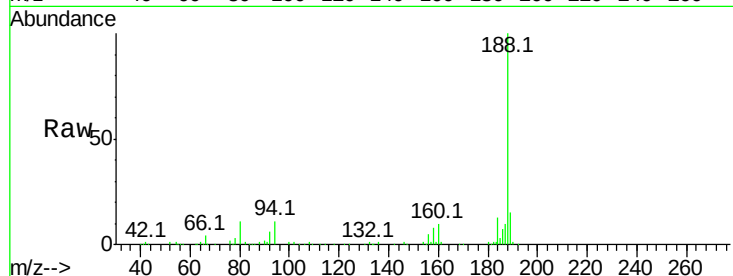




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.61 min Scan# 2214
Delta R.T. -0.04 min
Lab File: BF095805.D
Acq: 9 Jun 2017 2:55

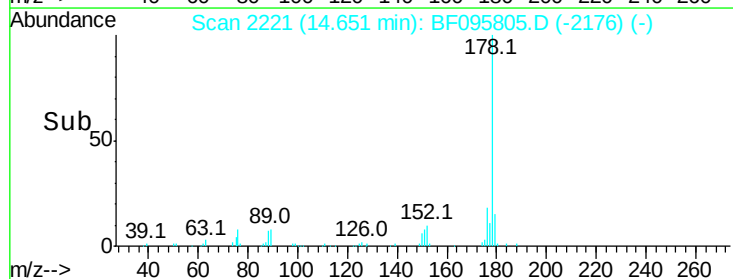
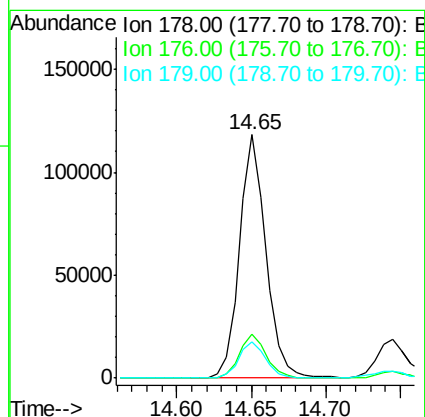
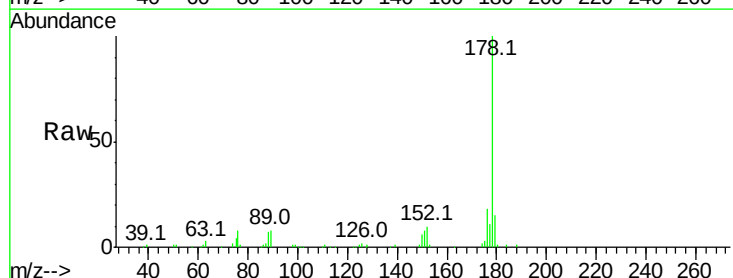
Instrument :
BNA_F
ClientSampleId :

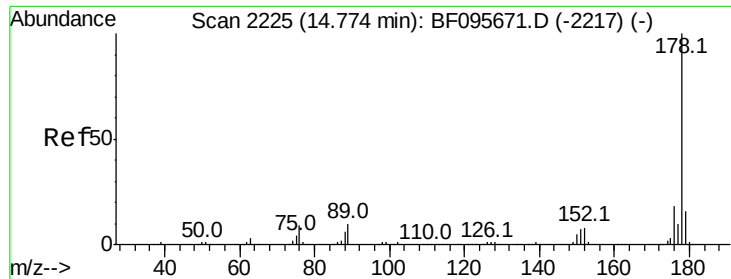
Tot Ion:188 Resp: 176173
Ion Ratio Lower Upper
188 100
94 11.0 9.4 14.2
80 11.3 10.2 15.2



#70
Phenanthrene
Concen: 14.38 ng
RT: 14.65 min Scan# 2221
Delta R.T. -0.04 min
Lab File: BF095805.D
Acq: 9 Jun 2017 2:55

Tgt Ion:178 Resp: 146203
Ion Ratio Lower Upper
178 100
176 18.2 16.2 24.4
179 14.9 12.6 19.0

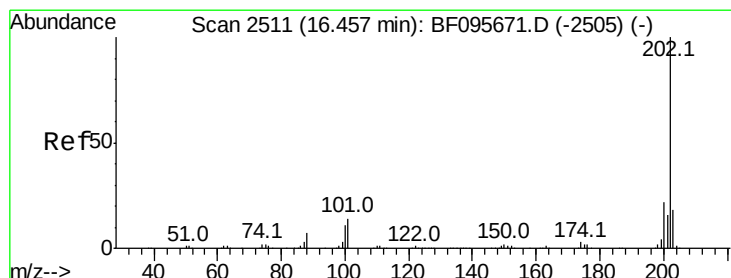
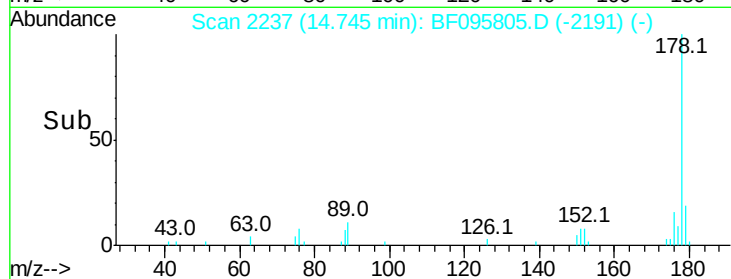
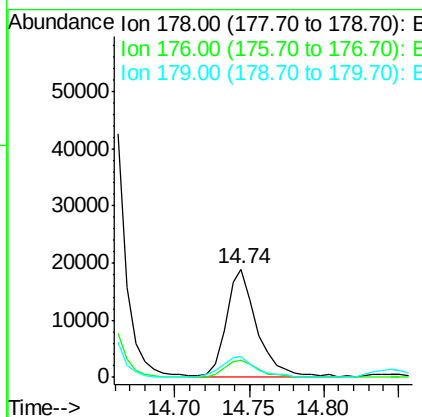
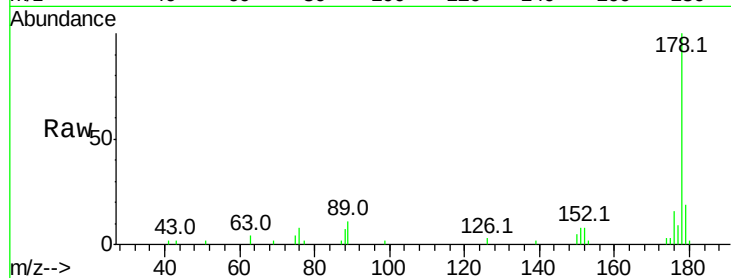




#71
 Anthracene
 Concen: 2.61 ng
 RT: 14.74 min Scan# 2237
 Delta R.T. -0.03 min
 Lab File: BF095805.D
 Acq: 9 Jun 2017 2:55

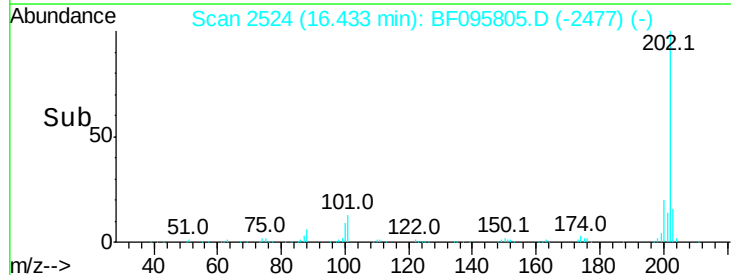
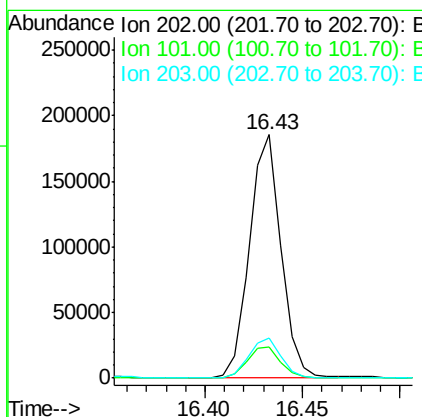
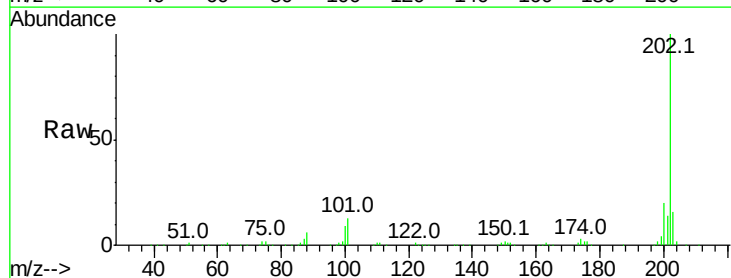
Instrument :
 BNA_F
 ClientSampleId :

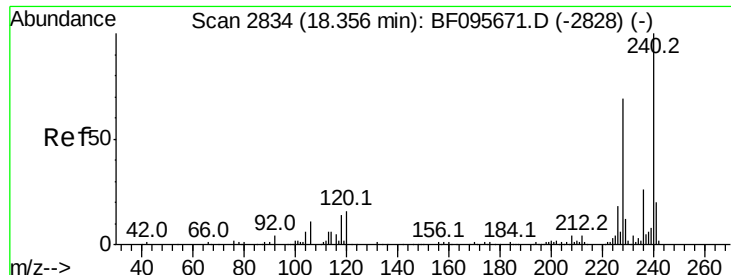
Tot Ion:178 Resp: 27699
 Ion Ratio Lower Upper
 178 100
 176 16.0 15.8 23.8
 179 18.8 12.7 19.1



#74
 Fluoranthene
 Concen: 20.68 ng
 RT: 16.43 min Scan# 2524
 Delta R.T. -0.02 min
 Lab File: BF095805.D
 Acq: 9 Jun 2017 2:55

Tgt Ion:202 Resp: 208053
 Ion Ratio Lower Upper
 202 100
 101 12.9 0.0 33.2
 203 16.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.33 min Scan# 2847

Delta R.T. -0.02 min

Lab File: BF095805.D

Acq: 9 Jun 2017 2:55

Instrument :

BNA_F

ClientSampleId :

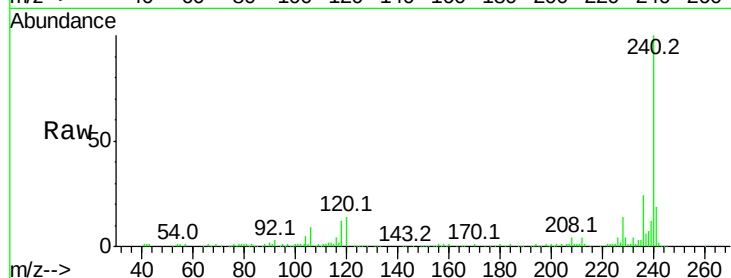
Tot Ion:240 Resp: 140717

Ion Ratio Lower Upper

240 100

120 13.5 5.8 8.8#

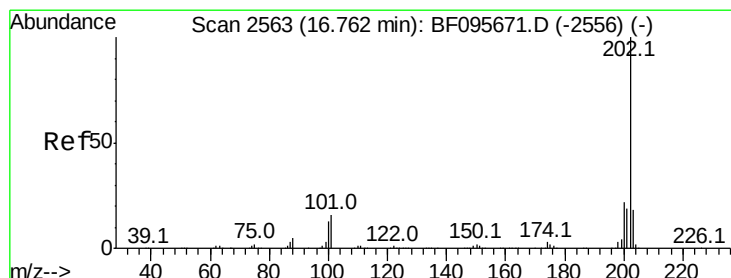
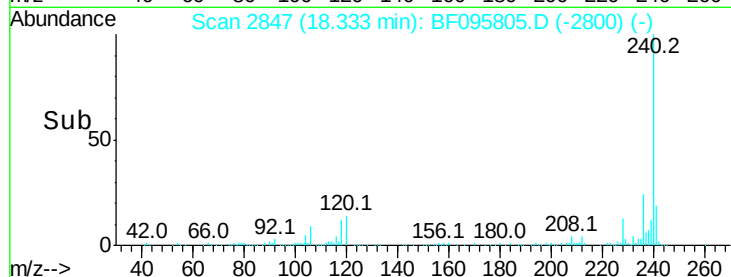
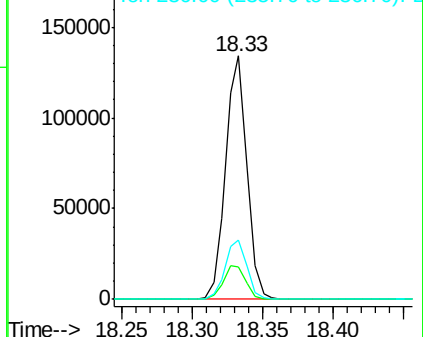
236 24.2 20.5 30.7



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: 19.88 ng

RT: 16.73 min Scan# 2575

Delta R.T. -0.03 min

Lab File: BF095805.D

Acq: 9 Jun 2017 2:55

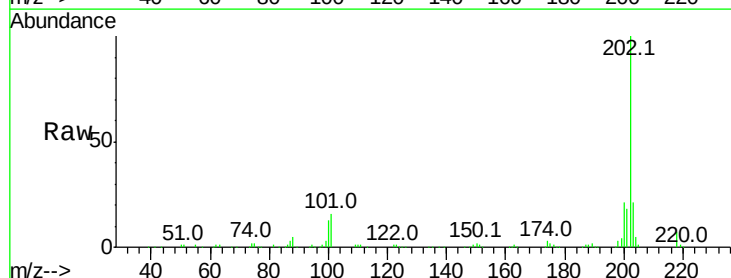
Tgt Ion:202 Resp: 208712

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

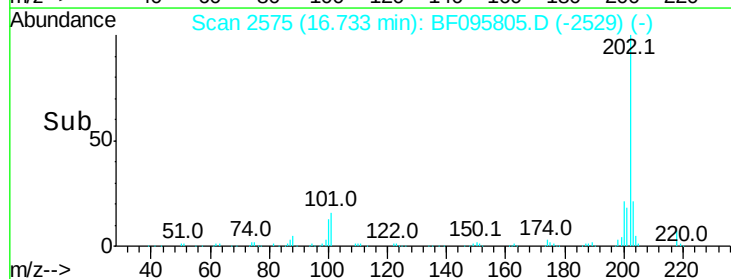
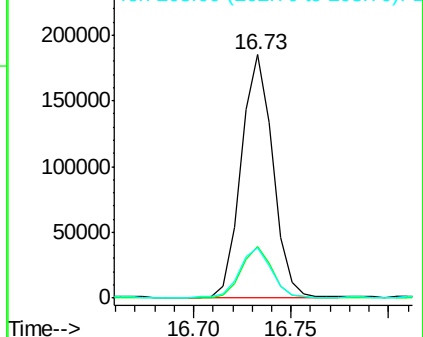
203 20.5 14.4 21.6

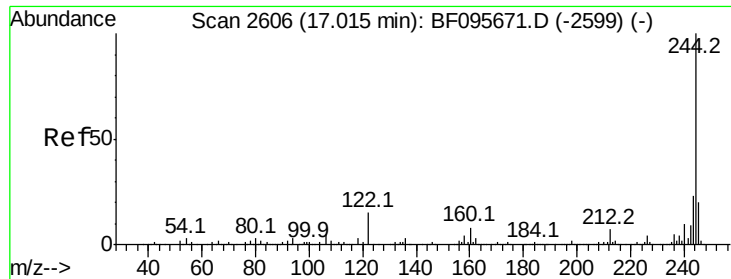


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

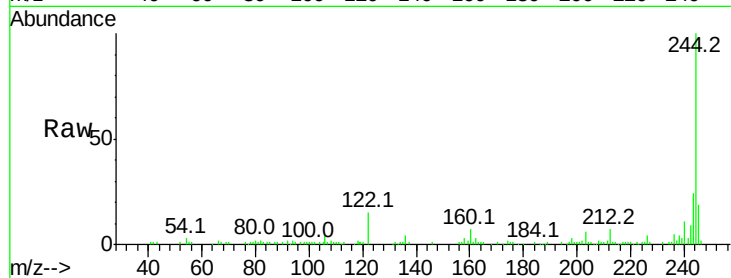




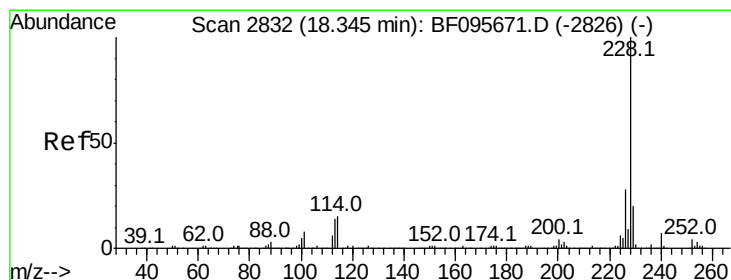
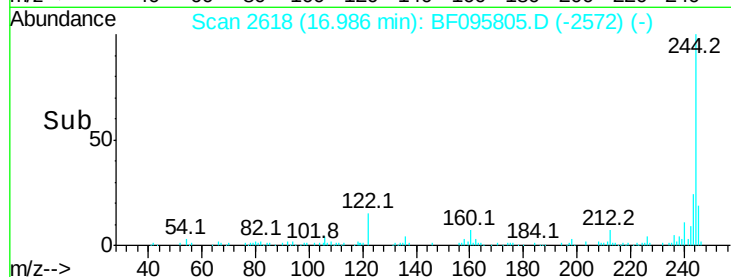
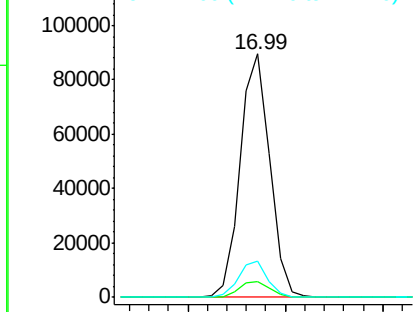
#78
 Terphenyl-d14
 Concen: 16.60 ng
 RT: 16.99 min Scan# 2618
 Delta R.T. -0.03 min
 Lab File: BF095805.D
 Acq: 9 Jun 2017 2:55

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 94132
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 15.1 10.3 15.5

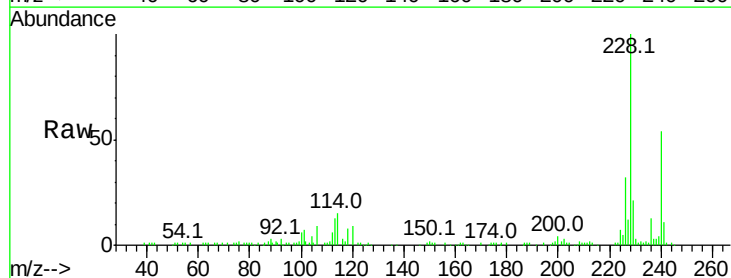


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

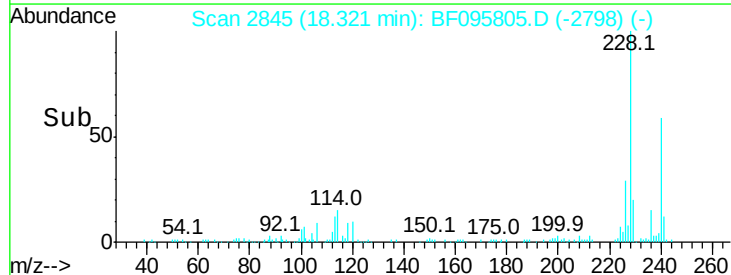
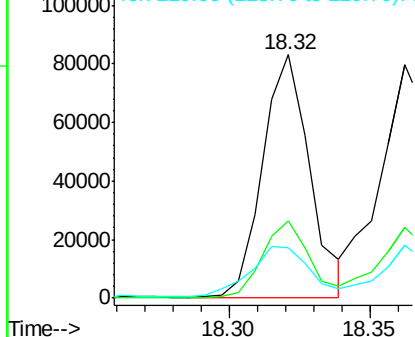


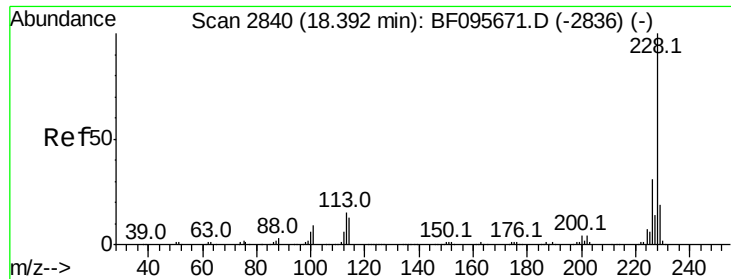
#80
 Benzo(a)anthracene
 Concen: 11.83 ng
 RT: 18.32 min Scan# 2845
 Delta R.T. -0.02 min
 Lab File: BF095805.D
 Acq: 9 Jun 2017 2:55

Tgt Ion:228 Resp: 96765
 Ion Ratio Lower Upper
 228 100
 226 31.5 22.6 33.8
 229 20.9 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 12.56 ng

RT: 18.36 min Scan# 2852

Delta R.T. -0.03 min

Lab File: BF095805.D

Acq: 9 Jun 2017 2:55

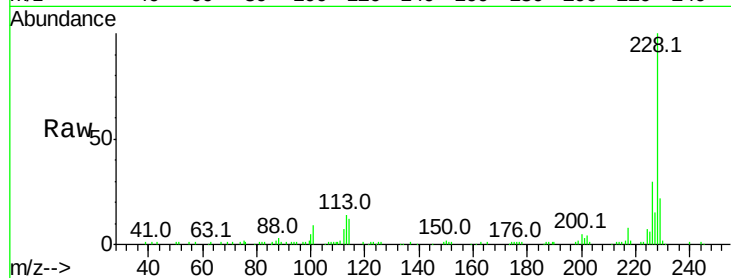
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 102727

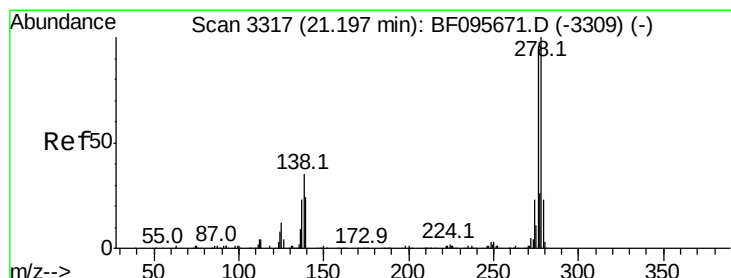
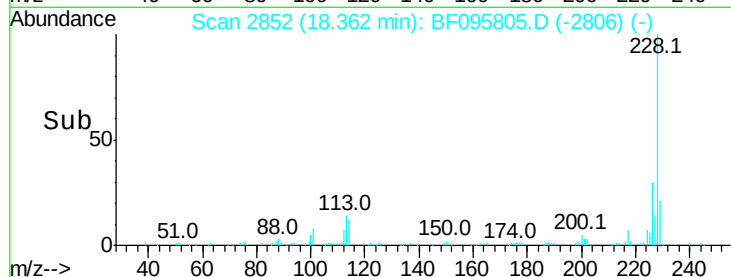
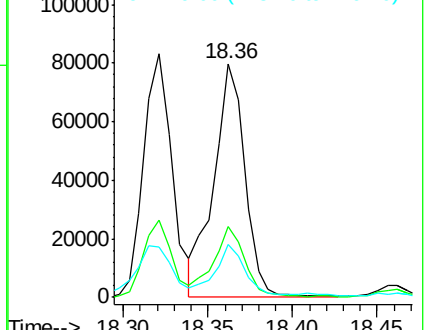
Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.9	37.3
229	22.4	15.8	23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.28 ng

RT: 21.17 min Scan# 3330

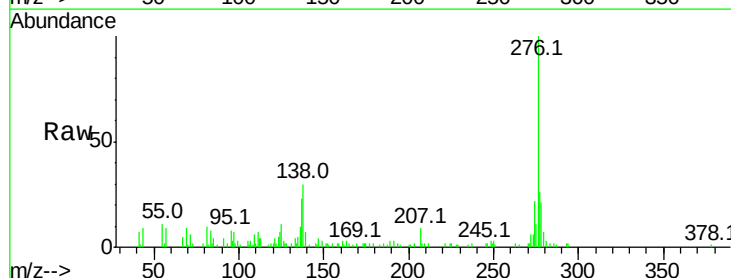
Delta R.T. -0.02 min

Lab File: BF095805.D

Acq: 9 Jun 2017 2:55

Tgt Ion:276 Resp: 36966

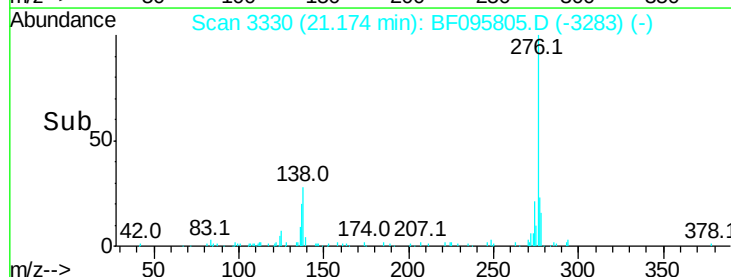
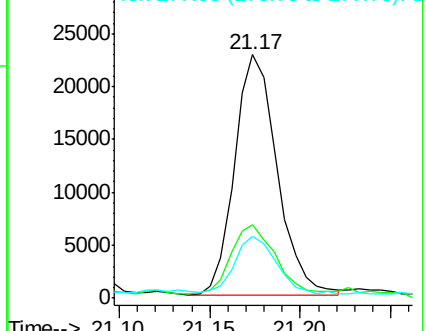
Ion	Ratio	Lower	Upper
276	100		
138	30.2	27.8	41.6
277	23.6	20.2	30.4

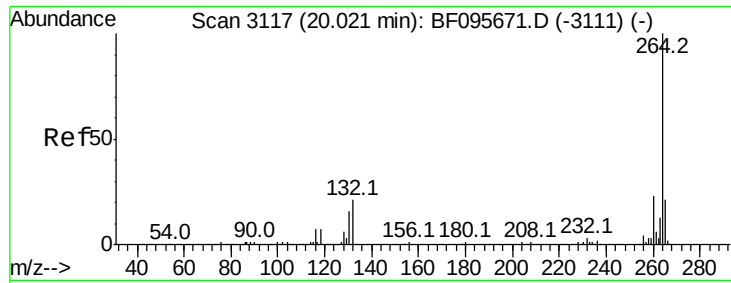


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

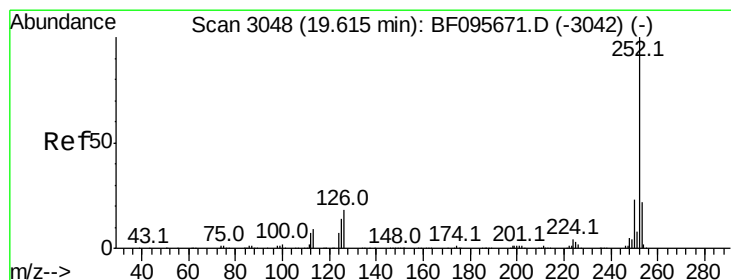
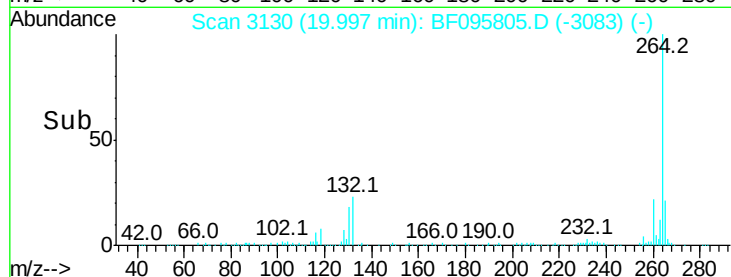
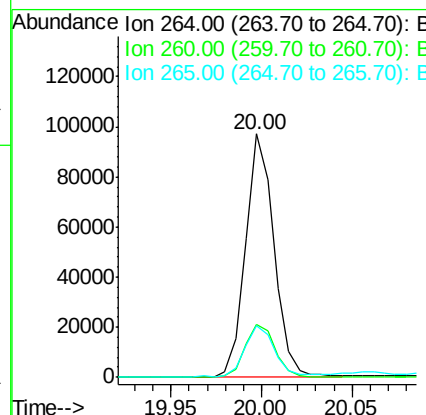
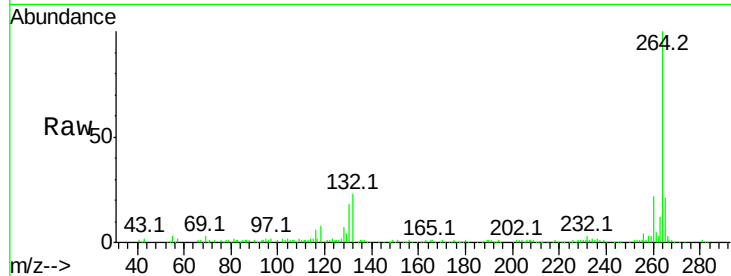




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.00 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BF095805.D
Acq: 9 Jun 2017 2:55

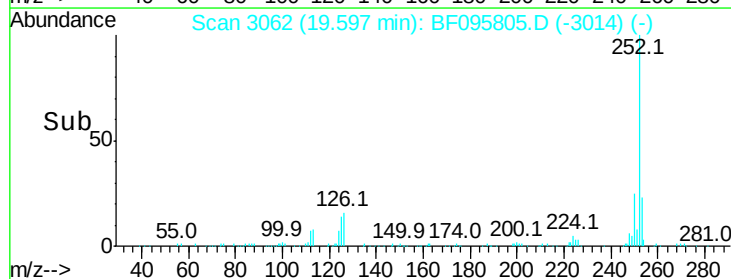
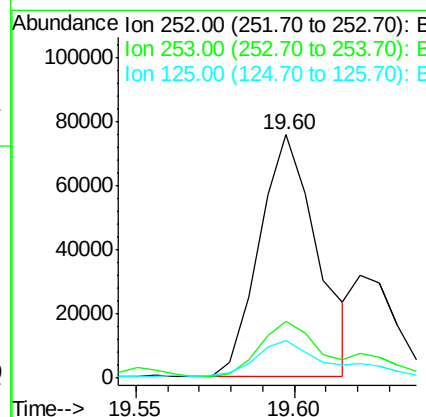
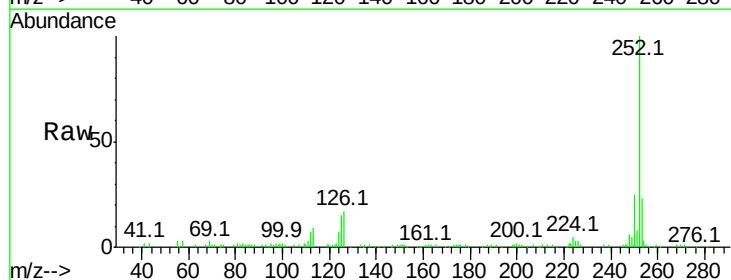
Instrument :
BNA_F
ClientSampleId :

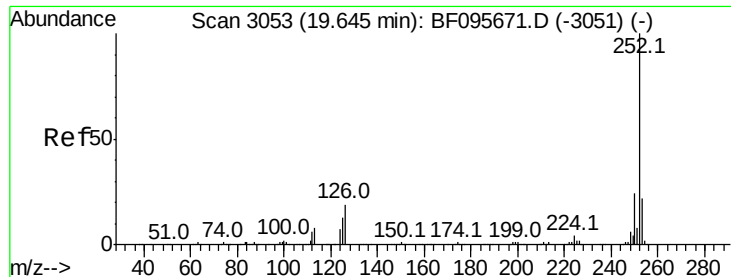
Tot Ion:264 Resp: 106169
Ion Ratio Lower Upper
264 100
260 22.0 19.5 29.3
265 21.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 14.40 ng
RT: 19.60 min Scan# 3062
Delta R.T. -0.02 min
Lab File: BF095805.D
Acq: 9 Jun 2017 2:55

Tgt Ion:252 Resp: 95748
Ion Ratio Lower Upper
252 100
253 23.2 18.1 27.1
125 15.2 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 15.07 ng

RT: 19.60 min Scan# 3062

Delta R.T. -0.05 min

Lab File: BF095805.D

Acq: 9 Jun 2017 2:55

Instrument :

BNA_F

ClientSampleId :

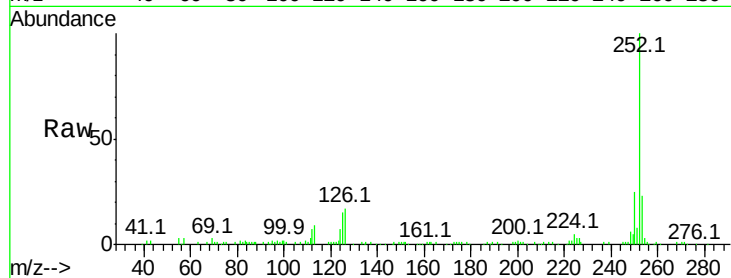
Tot Ion:252 Resp: 95748

Ion Ratio Lower Upper

252 100

253 23.2 18.4 27.6

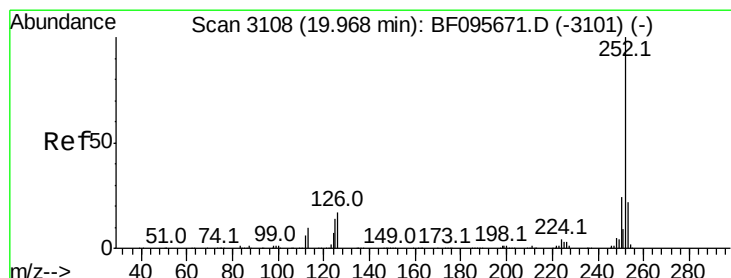
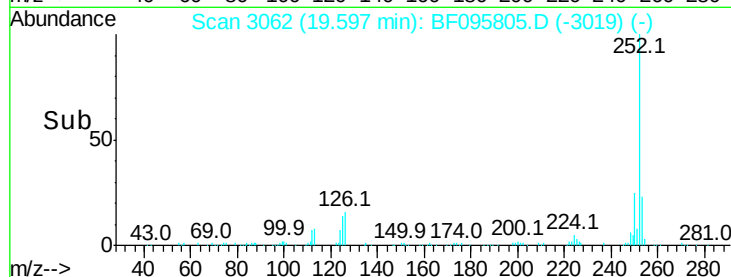
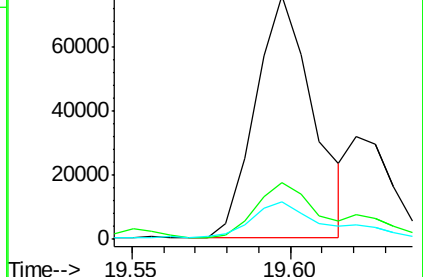
125 15.2 13.1 19.7



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: 10.65 ng

RT: 19.94 min Scan# 3121

Delta R.T. -0.02 min

Lab File: BF095805.D

Acq: 9 Jun 2017 2:55

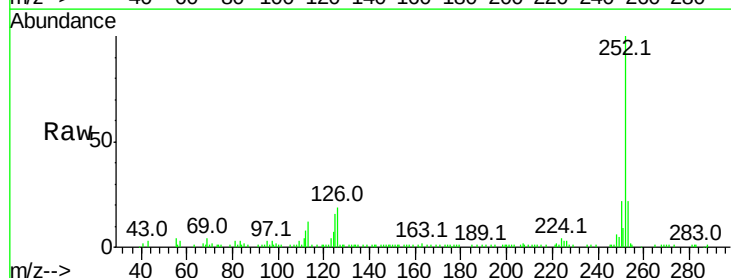
Tgt Ion:252 Resp: 65053

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

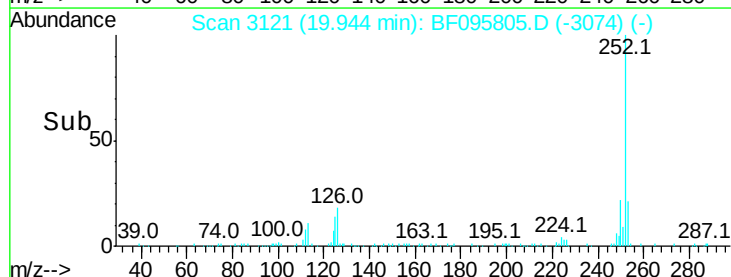
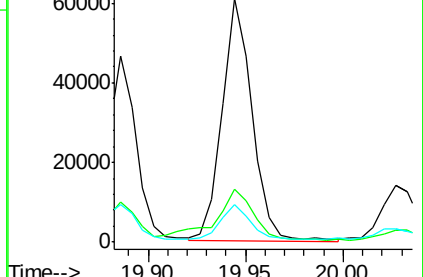
125 15.5 11.0 16.4

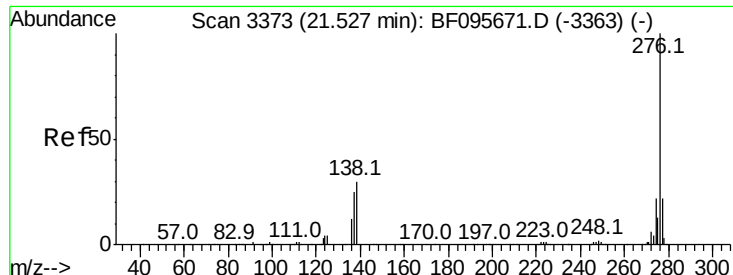


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 7.16 ng

RT: 21.50 min Scan# 3386

Delta R.T. -0.02 min

Lab File: BF095805.D

Acq: 9 Jun 2017 2:55

Instrument :

BNA_F

ClientSampleId :

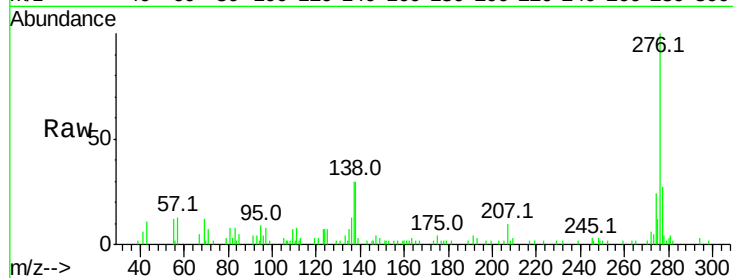
Tot Ion:276 Resp: 37818

Ion Ratio Lower Upper

276 100

277 26.5 18.6 28.0

138 29.5 25.4 38.0



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

