

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
 Data File : BF095871.D
 Acq On : 11 Jun 2017 5:17
 Operator : SJ/MA
 Sample : I3591-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 12 03:55:51 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

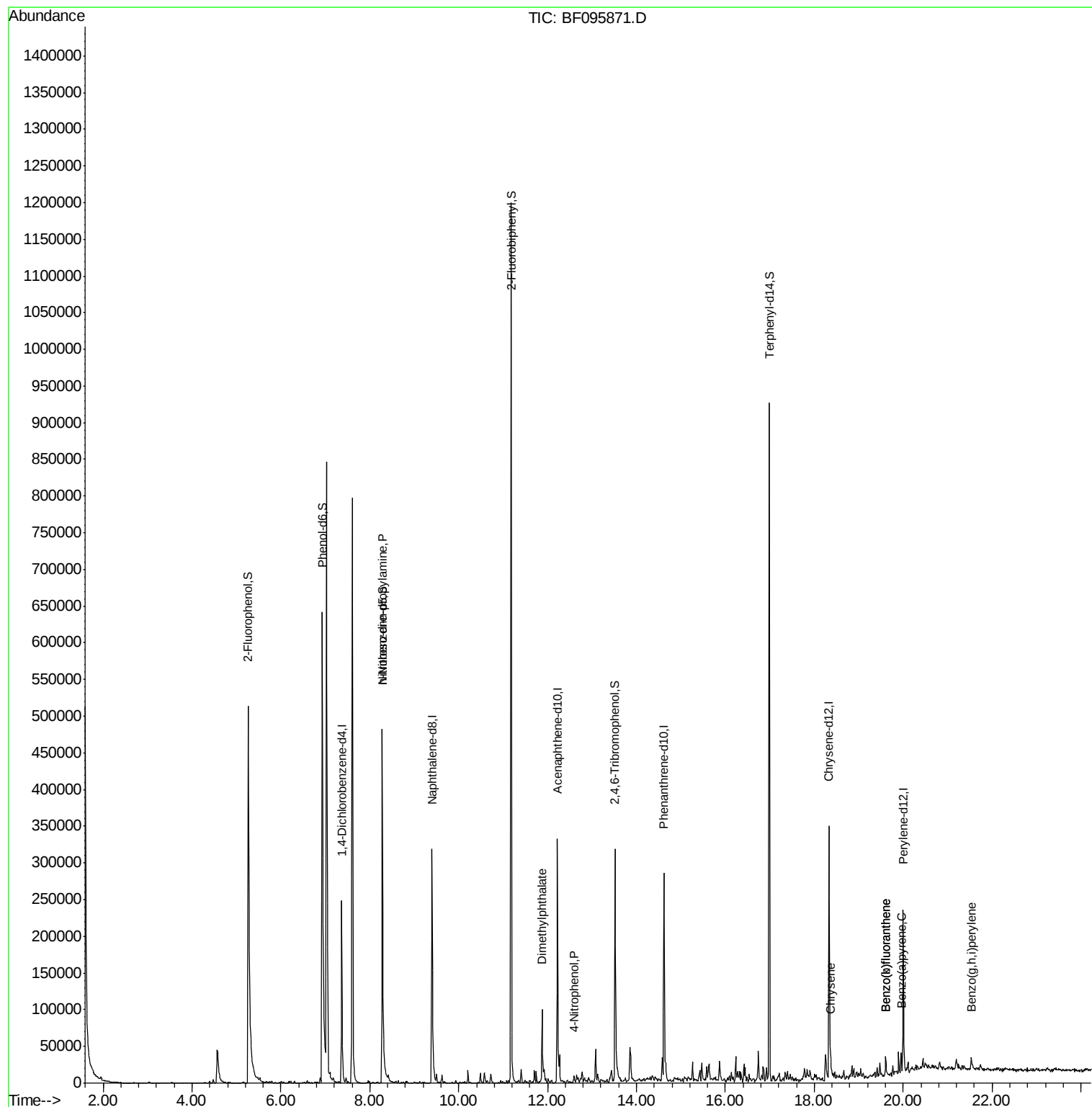
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	59664	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	236766	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	94366	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	149176	20.00	ng	-0.03
75) Chrysene-d12	18.33	240	132369	20.00	ng	-0.02
86) Perylene-d12	20.00	264	93439	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	351748	93.94	ng	-0.02
7) Phenol-d6	6.93	99	450202	100.43	ng	-0.03
23) Nitrobenzene-d5	8.28	82	271544	71.23	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	61241	73.35	ng	-0.04
44) 2-Fluorobiphenyl	11.18	172	532184	78.48	ng	-0.04
78) Terphenyl-d14	16.99	244	357860	67.09	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.29	70	33942	11.95	ng	# 75
49) Dimethylphthalate	11.87	163	65436	9.13	ng	# 99
55) 4-Nitrophenol	12.59	139	963	5.48	ng	# 25
82) Chrysene	18.37	228	17155	2.23	ng	# 93
87) Benzo(b)fluoranthene	19.61	252	17092	2.92	ng	# 93
88) Benzo(k)fluoranthene	19.61	252	17092	3.06	ng	# 89
89) Benzo(a)pyrene	19.95	252	12242	2.28	ng	# 98
91) Benzo(g,h,i)perylene	21.53	276	10337	2.22	ng	# 93

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

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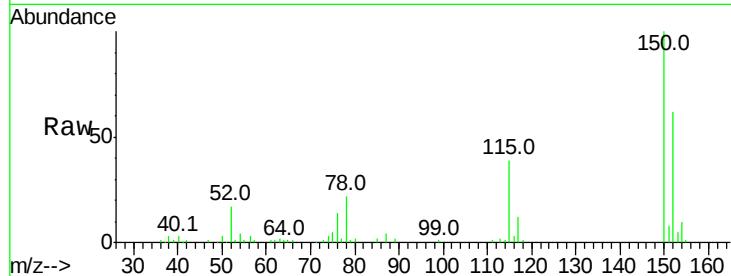


#1

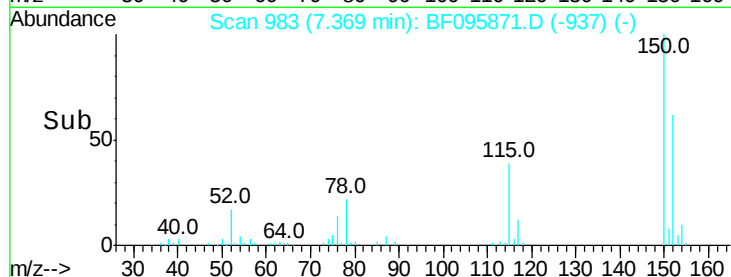
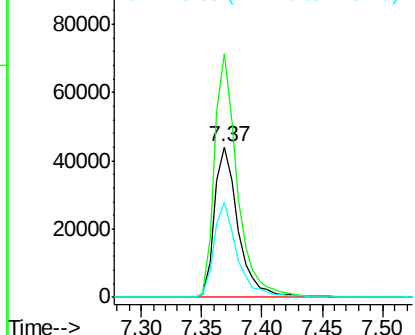
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095871.D
Acq: 11 Jun 2017 5:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 59664
Ion Ratio Lower Upper
152 100
150 161.6 126.2 189.2
115 63.0 52.2 78.2



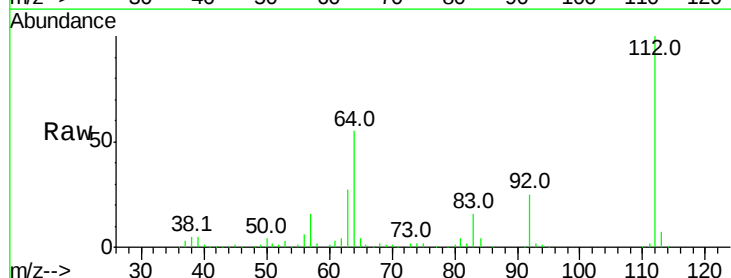
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



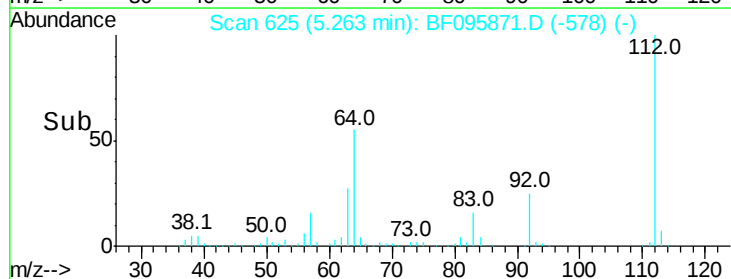
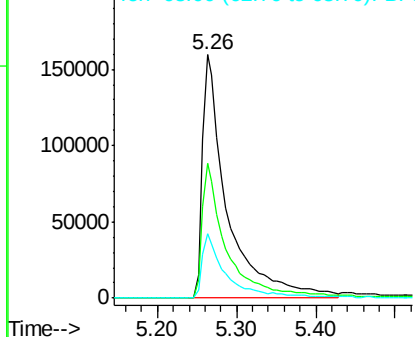
#5

2-Fluorophenol
Concen: 93.94 ng
RT: 5.26 min Scan# 625
Delta R.T. -0.02 min
Lab File: BF095871.D
Acq: 11 Jun 2017 5:17

Tgt Ion:112 Resp: 351748
Ion Ratio Lower Upper
112 100
64 55.4 46.0 69.0
63 26.5 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: 100.43 ng

RT: 6.93 min Scan# 908

Delta R.T. -0.03 min

Lab File: BF095871.D

Acq: 11 Jun 2017 5:17

Instrument :

BNA_F

ClientSampleId :

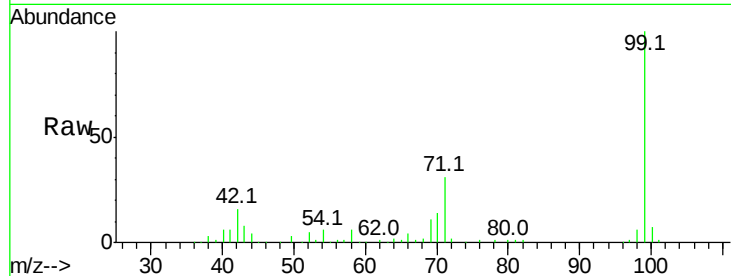
Tot Ion: 99 Resp: 450202

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

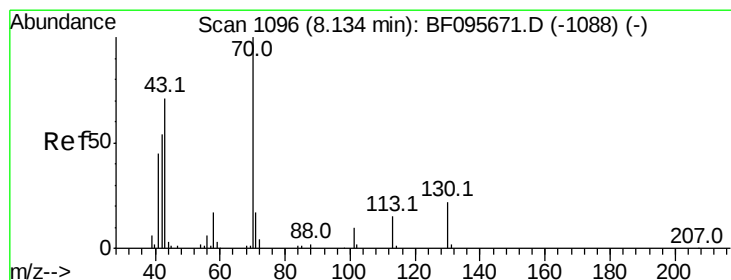
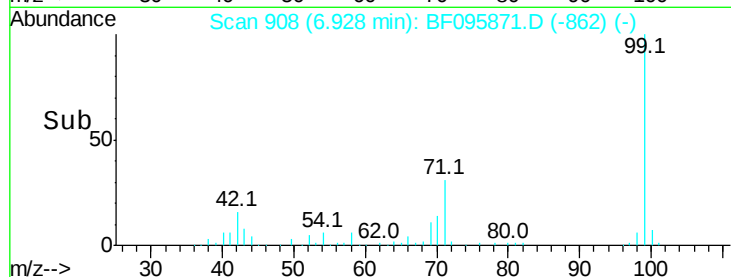
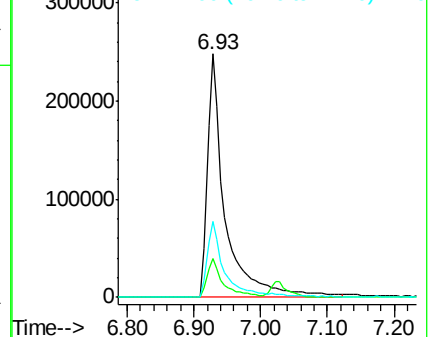
71 31.0 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.95 ng

RT: 8.29 min Scan# 1139

Delta R.T. 0.15 min

Lab File: BF095871.D

Acq: 11 Jun 2017 5:17

Tgt Ion: 70 Resp: 33942

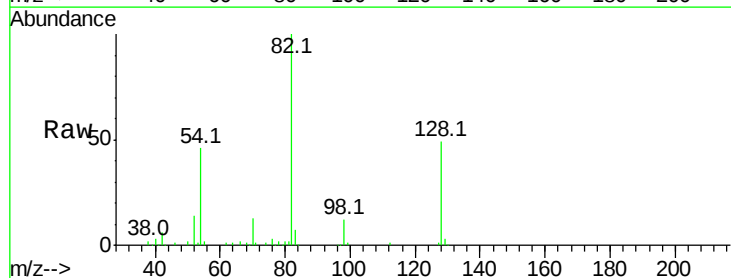
Ion Ratio Lower Upper

70 100

42 43.8 47.2 70.8#

101 0.0 7.2 10.8#

130 2.7 15.9 23.9#

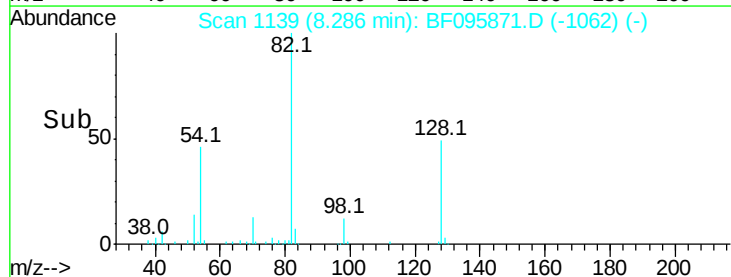
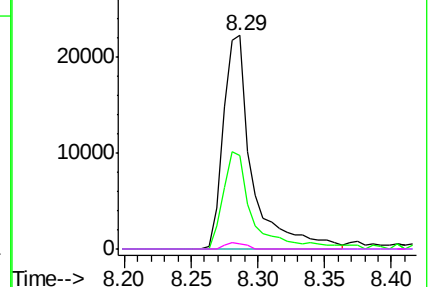


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

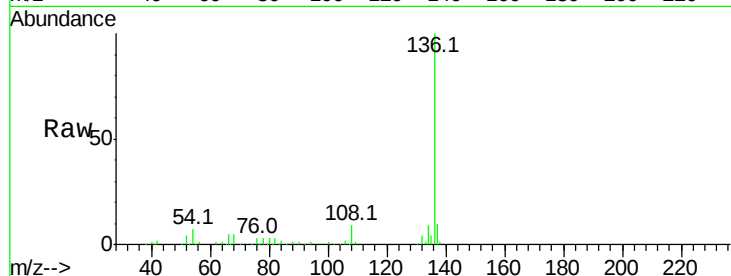




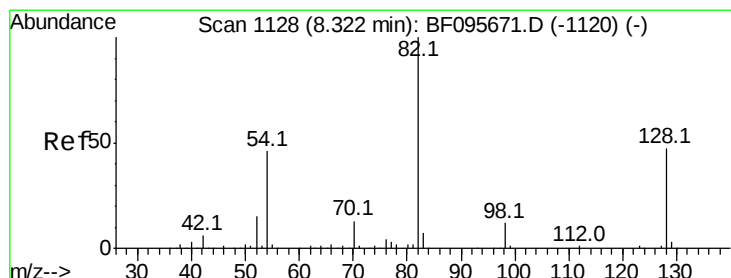
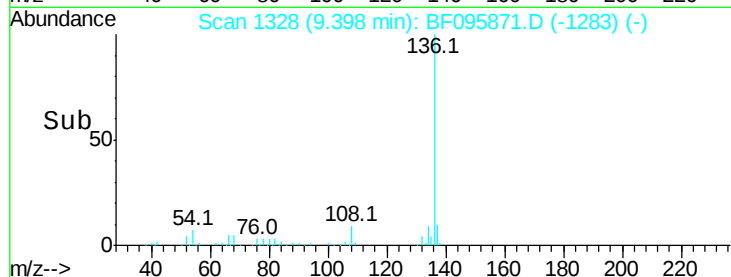
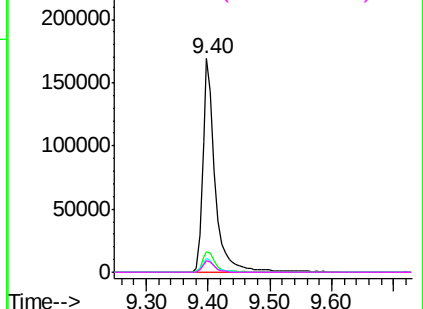
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.40 min Scan# 1328
Delta R.T. -0.04 min
Lab File: BF095871.D
Acq: 11 Jun 2017 5:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	236766
Ion Ratio	Lower	Upper
136	100	
137	9.8	8.5 12.7
54	6.7	4.9 7.3
68	5.4	4.1 6.1

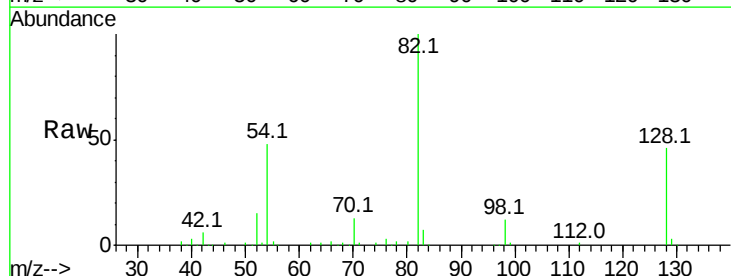


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

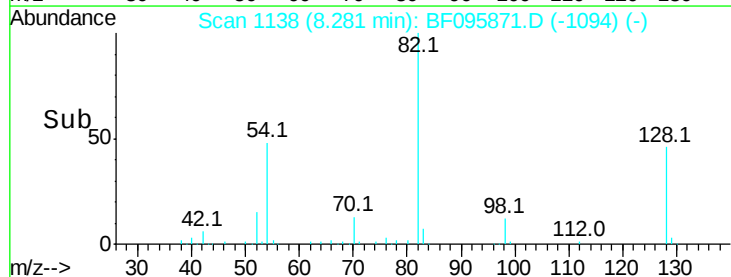
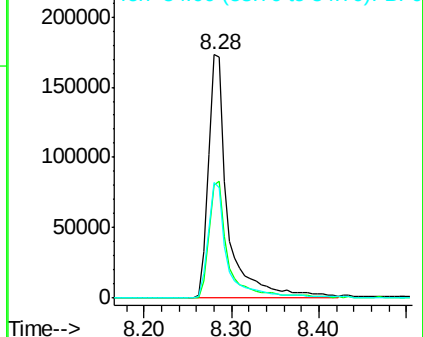


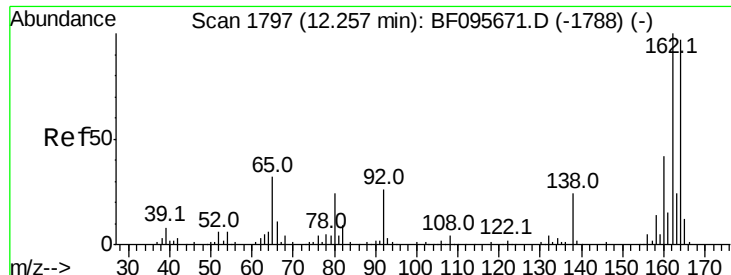
#23
Nitrobenzene-d5
Concen: 71.23 ng
RT: 8.28 min Scan# 1138
Delta R.T. -0.04 min
Lab File: BF095871.D
Acq: 11 Jun 2017 5:17

Tgt Ion: 82	Resp:	271544
Ion Ratio	Lower	Upper
82	100	
128	46.3	34.0 51.0
54	47.5	42.2 63.2



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: 12.22 min Scan# 1808

Delta R.T. -0.04 min

Lab File: BF095871.D

Acq: 11 Jun 2017 5:17

Instrument :

BNA_F

ClientSampled :

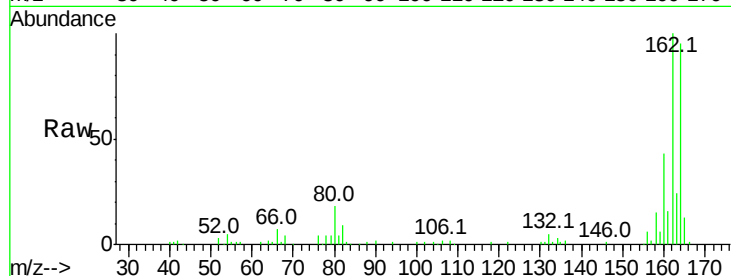
Tot Ion:164 Resp: 94366

Ion Ratio Lower Upper

164 100

162 104.9 82.6 123.8

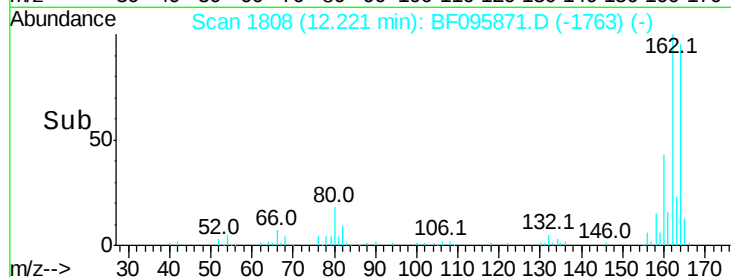
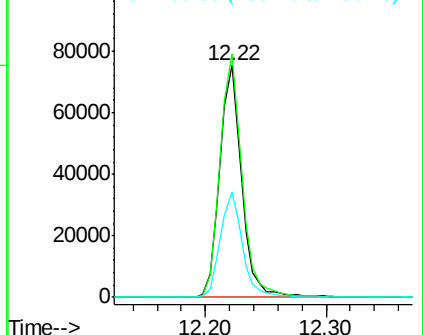
160 45.4 36.2 54.2



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: 73.35 ng

RT: 13.52 min Scan# 2028

Delta R.T. -0.04 min

Lab File: BF095871.D

Acq: 11 Jun 2017 5:17

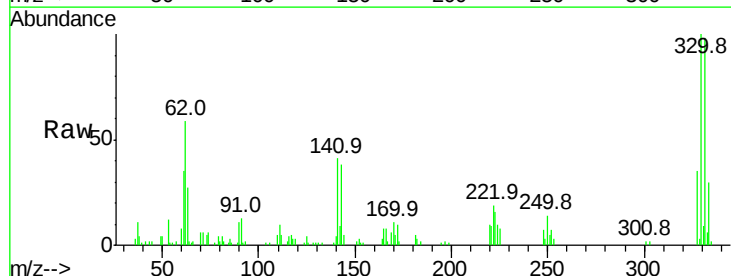
Tgt Ion:330 Resp: 61241

Ion Ratio Lower Upper

330 100

332 96.4 76.6 115.0

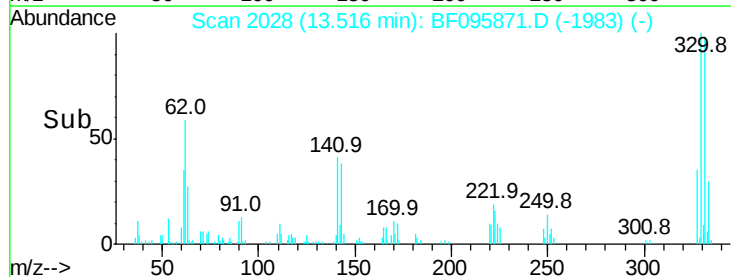
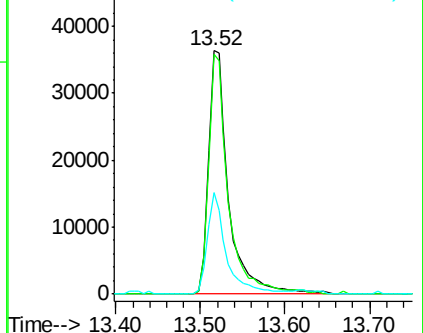
141 39.1 31.4 47.2

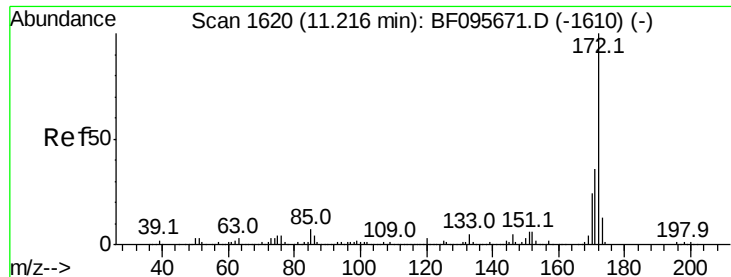


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

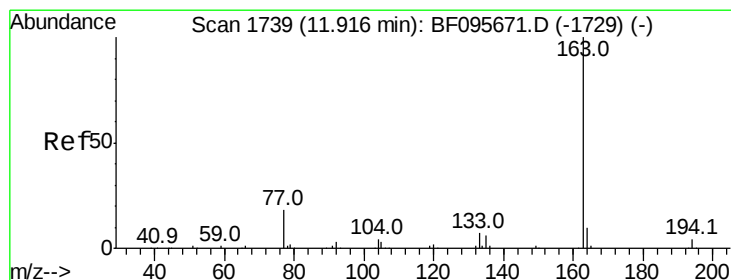
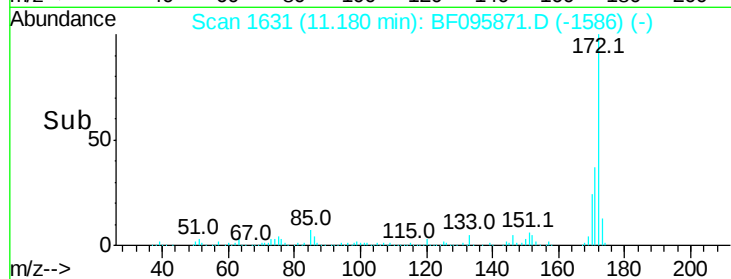
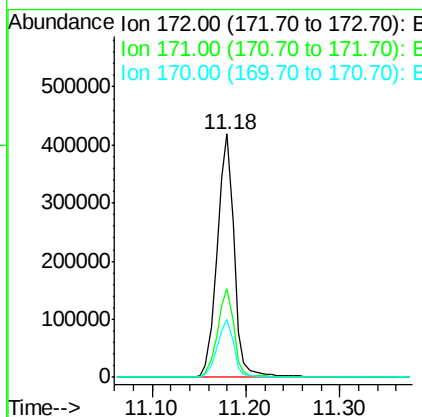
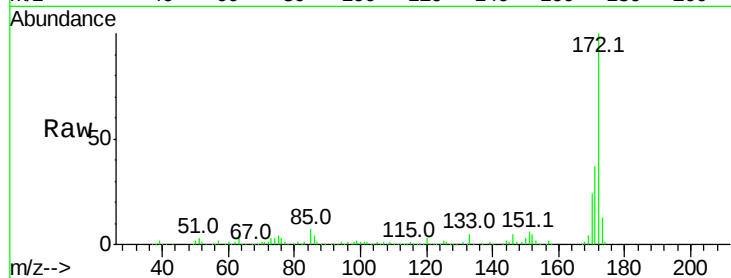




#44
2-Fluorobiphenyl
Concen: 78.48 ng
RT: 11.18 min Scan# 1631
Delta R.T. -0.04 min
Lab File: BF095871.D
Acq: 11 Jun 2017 5:17

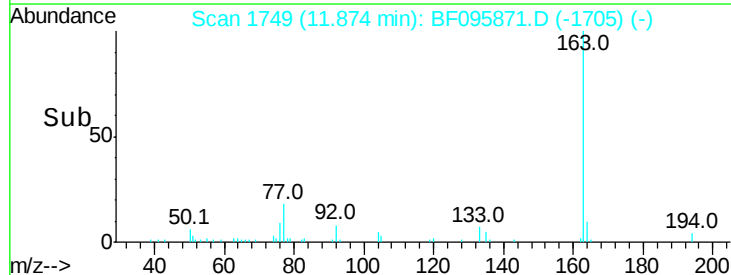
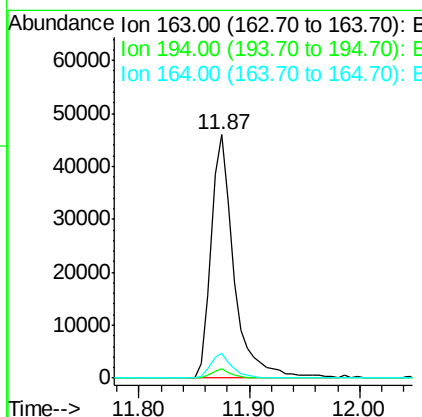
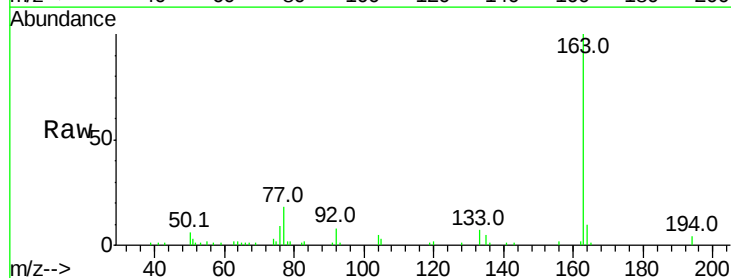
Instrument :
BNA_F
ClientSampleId :

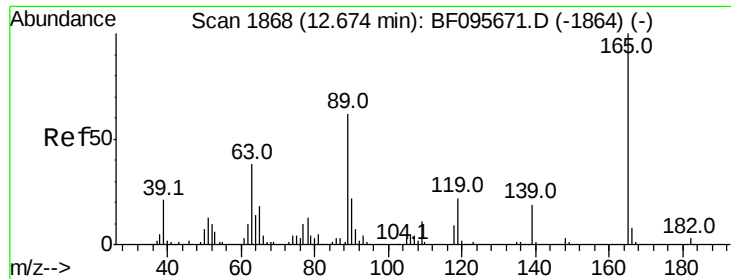
Tot Ion:172 Resp: 532184
Ion Ratio Lower Upper
172 100
171 36.6 29.6 44.4
170 23.7 19.8 29.8



#49
Dimethylphthalate
Concen: 9.13 ng
RT: 11.87 min Scan# 1749
Delta R.T. -0.04 min
Lab File: BF095871.D
Acq: 11 Jun 2017 5:17

Tgt Ion:163 Resp: 65436
Ion Ratio Lower Upper
163 100
194 4.1 2.6 4.0#
164 10.2 8.4 12.6

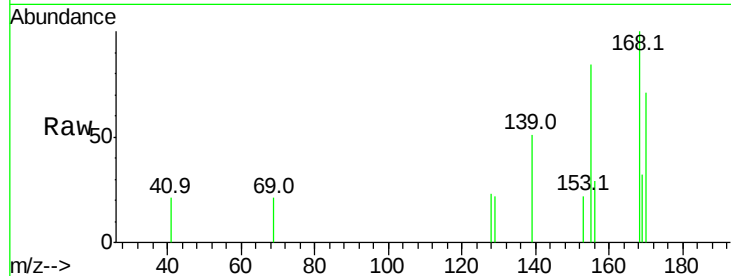




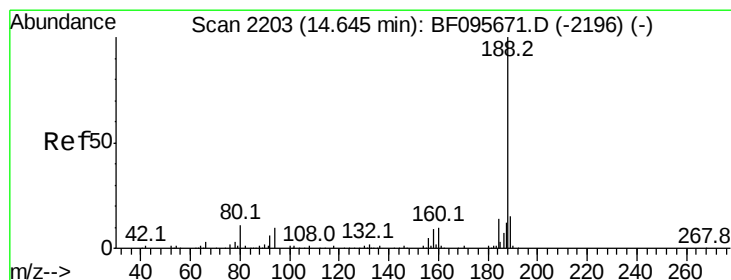
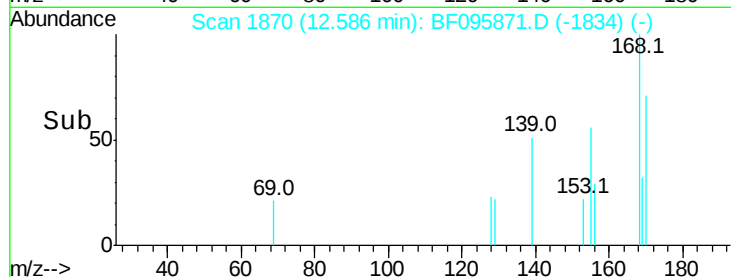
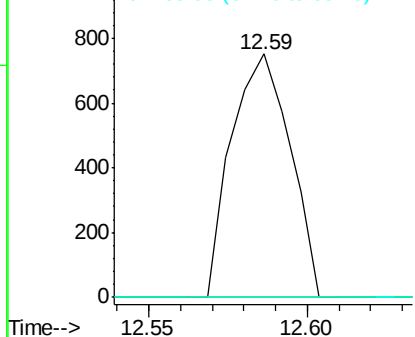
#55
4-Nitrophenol
Concen: 5.48 ng
RT: 12.59 min Scan# 1870
Delta R.T. -0.09 min
Lab File: BF095871.D
Acq: 11 Jun 2017 5:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 963
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

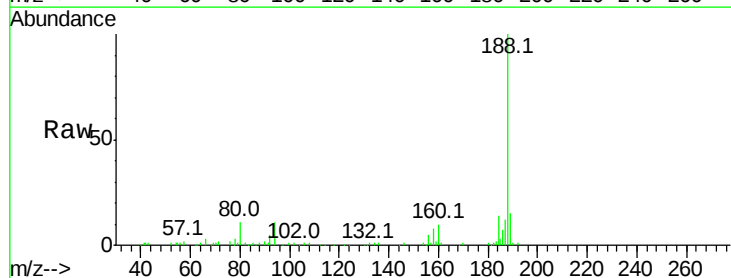


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

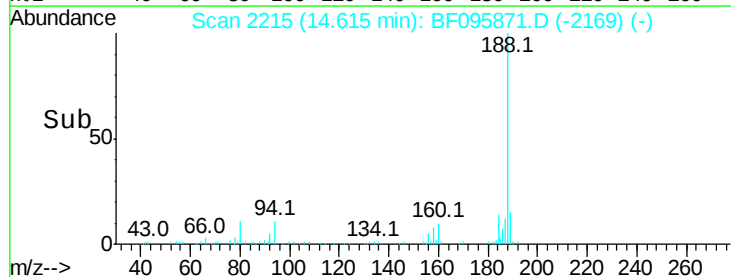
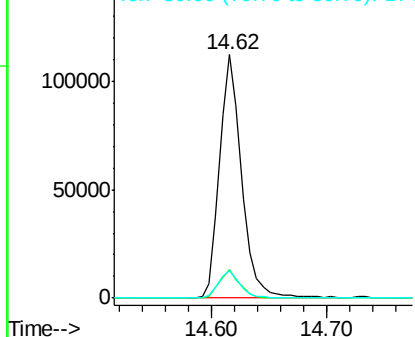


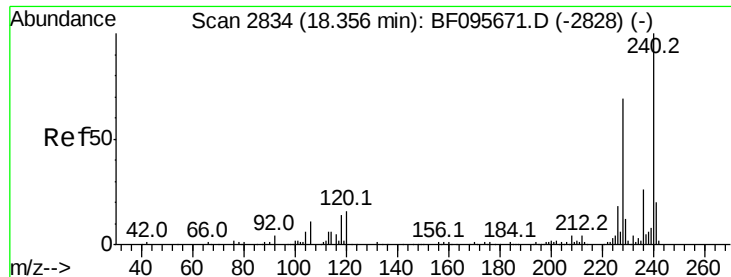
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.62 min Scan# 2215
Delta R.T. -0.03 min
Lab File: BF095871.D
Acq: 11 Jun 2017 5:17

Tgt Ion:188 Resp: 149176
Ion Ratio Lower Upper
188 100
94 11.5 9.4 14.2
80 11.2 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.33 min Scan# 2847

Delta R.T. -0.02 min

Lab File: BF095871.D

Acq: 11 Jun 2017 5:17

Instrument :

BNA_F

ClientSampleId :

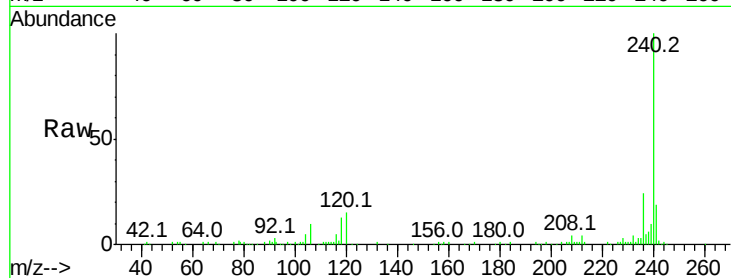
Tot Ion:240 Resp: 132369

Ion Ratio Lower Upper

240 100

120 14.7 5.8 8.8#

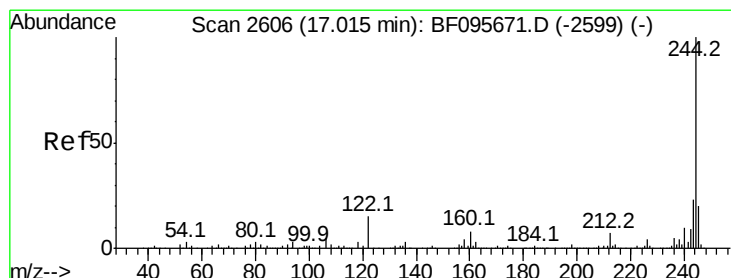
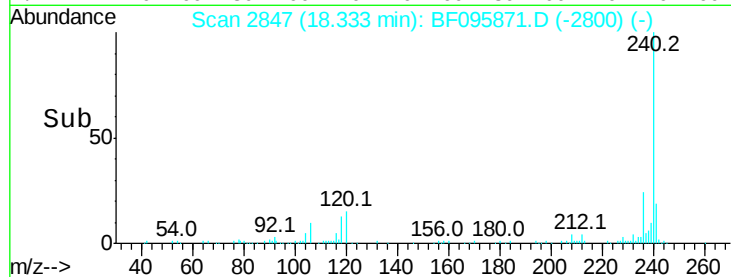
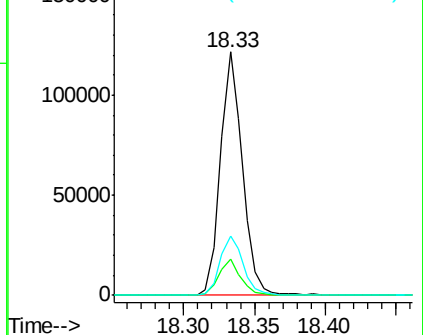
236 24.5 20.5 30.7



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



#78

Terphenyl-d14

Concen: 67.09 ng

RT: 16.99 min Scan# 2619

Delta R.T. -0.02 min

Lab File: BF095871.D

Acq: 11 Jun 2017 5:17

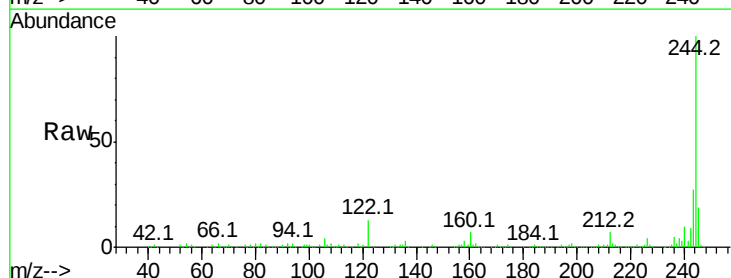
Tgt Ion:244 Resp: 357860

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

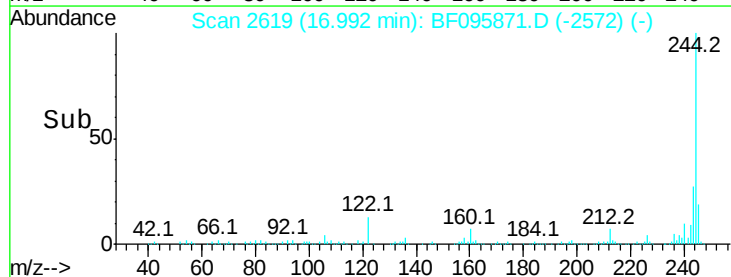
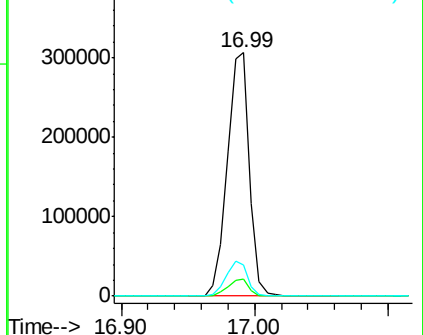
122 12.8 10.3 15.5

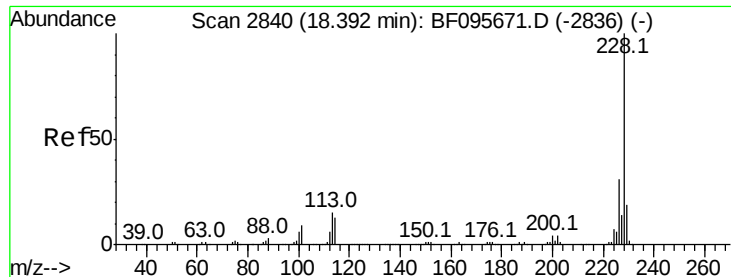


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#82

Chrysene

Concen: 2.23 ng

RT: 18.37 min Scan# 2853

Delta R.T. -0.02 min

Lab File: BF095871.D

Acq: 11 Jun 2017 5:17

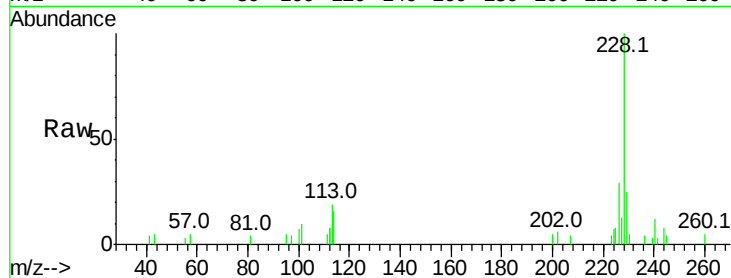
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 17155

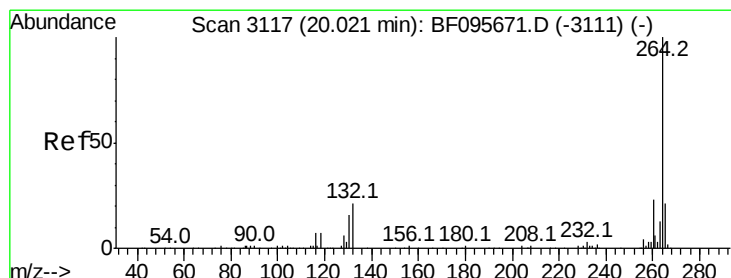
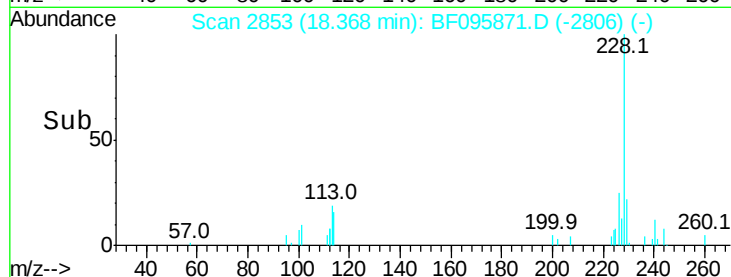
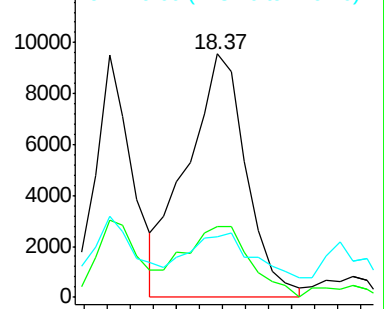
Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.9	37.3
229	24.9	15.8	23.6



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.00 min Scan# 3131

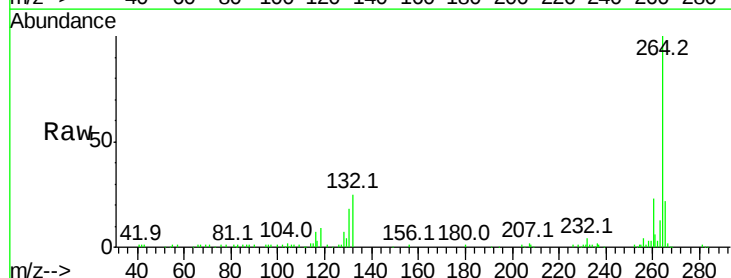
Delta R.T. -0.02 min

Lab File: BF095871.D

Acq: 11 Jun 2017 5:17

Tgt Ion:264 Resp: 93439

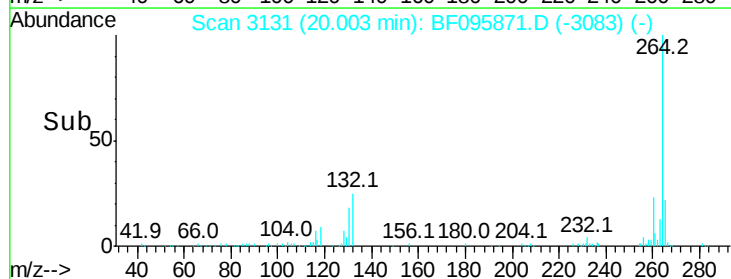
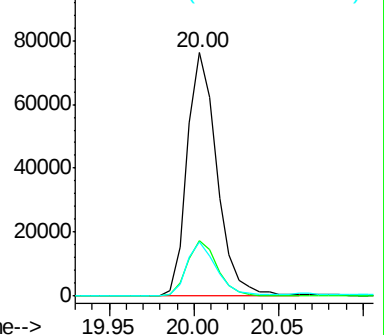
Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.5	29.3
265	22.2	17.2	25.8

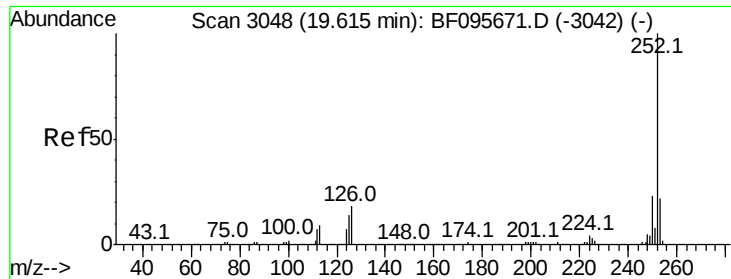


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

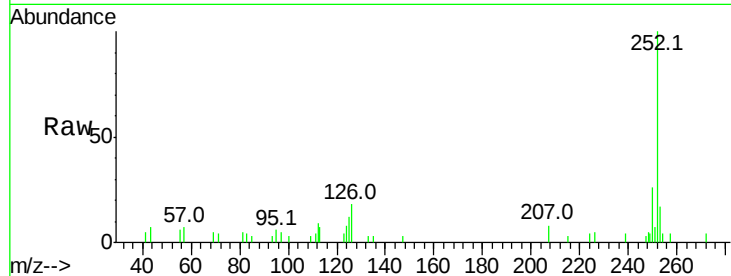




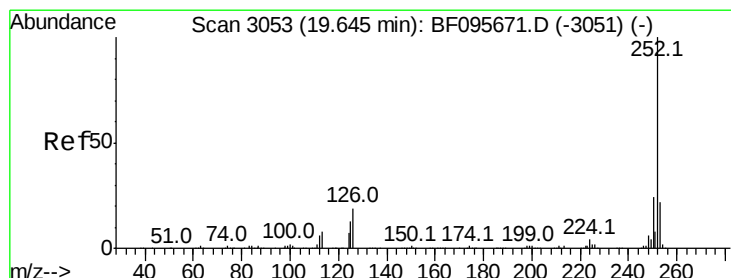
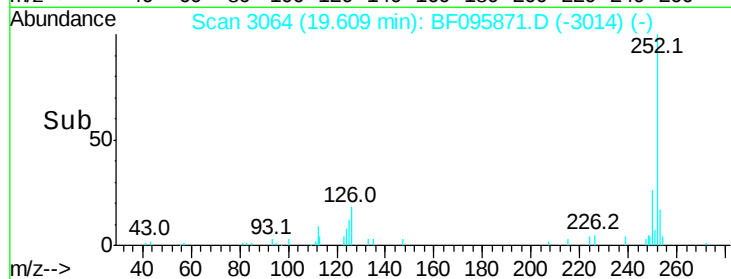
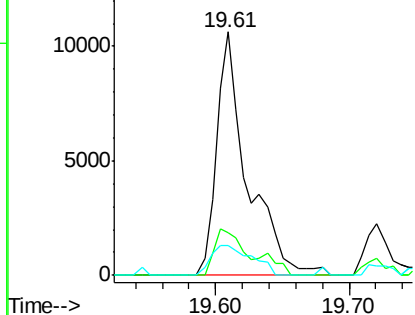
#87
Benzo(b)fluoranthene
Concen: 2.92 ng
RT: 19.61 min Scan# 3064
Delta R.T. -0.01 min
Lab File: BF095871.D
Acq: 11 Jun 2017 5:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 17092
Ion Ratio Lower Upper
252 100
253 17.4 18.1 27.1#
125 12.3 9.8 14.8

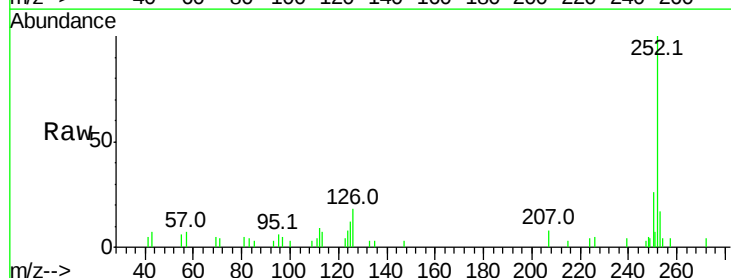


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

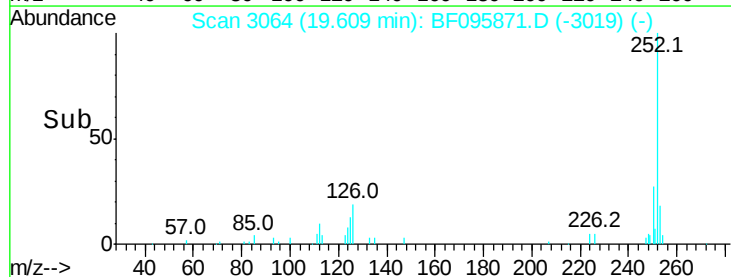
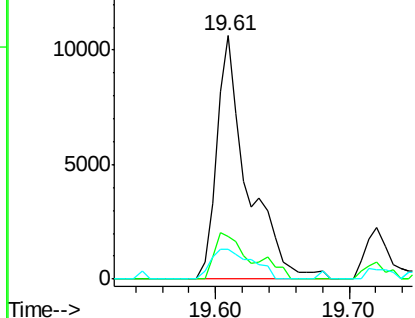


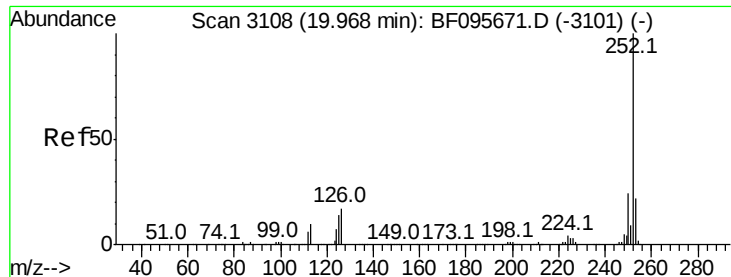
#88
Benzo(k)fluoranthene
Concen: 3.06 ng
RT: 19.61 min Scan# 3064
Delta R.T. -0.04 min
Lab File: BF095871.D
Acq: 11 Jun 2017 5:17

Tgt Ion:252 Resp: 17092
Ion Ratio Lower Upper
252 100
253 17.4 18.4 27.6#
125 12.3 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

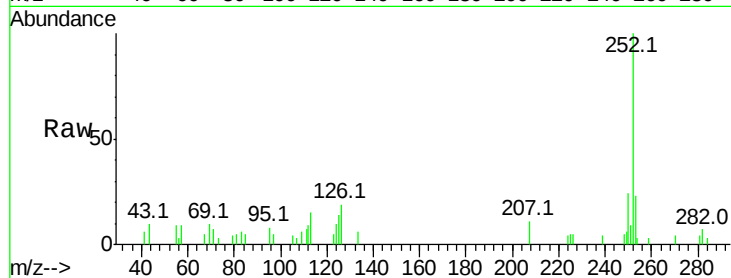




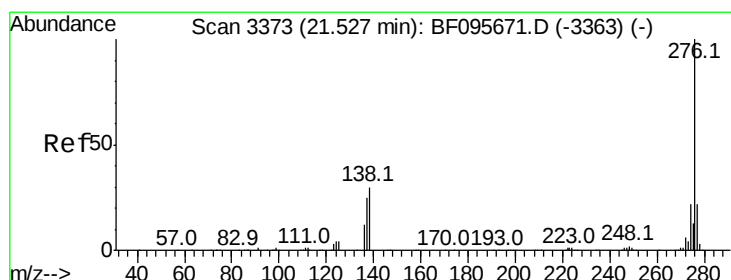
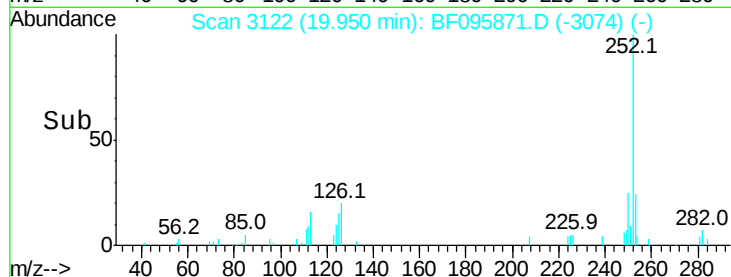
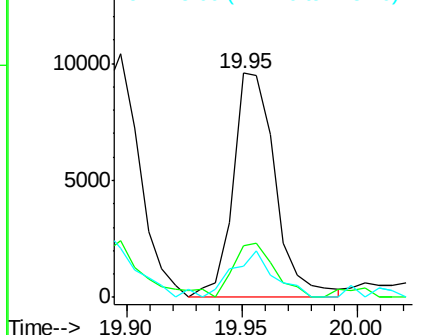
#89
Benzo(a)pyrene
Concen: 2.28 ng
RT: 19.95 min Scan# 3122
Delta R.T. -0.02 min
Lab File: BF095871.D
Acq: 11 Jun 2017 5:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	14.2	11.0	16.4

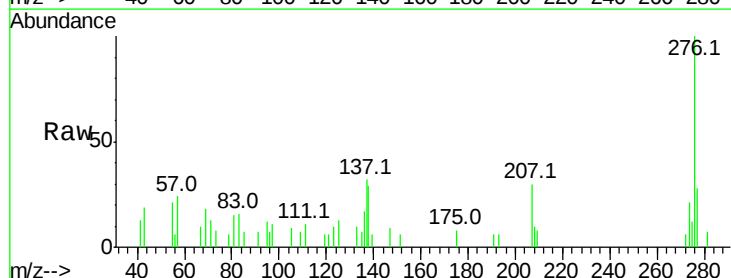


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.22 ng
RT: 21.53 min Scan# 3391
Delta R.T. 0.01 min
Lab File: BF095871.D
Acq: 11 Jun 2017 5:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.1	18.6	28.0#
138	28.5	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

