

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061317\
 Data File : BF095919.D
 Acq On : 14 Jun 2017 6:40
 Operator : SJ/MA
 Sample : I3642-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 14 08:08:53 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

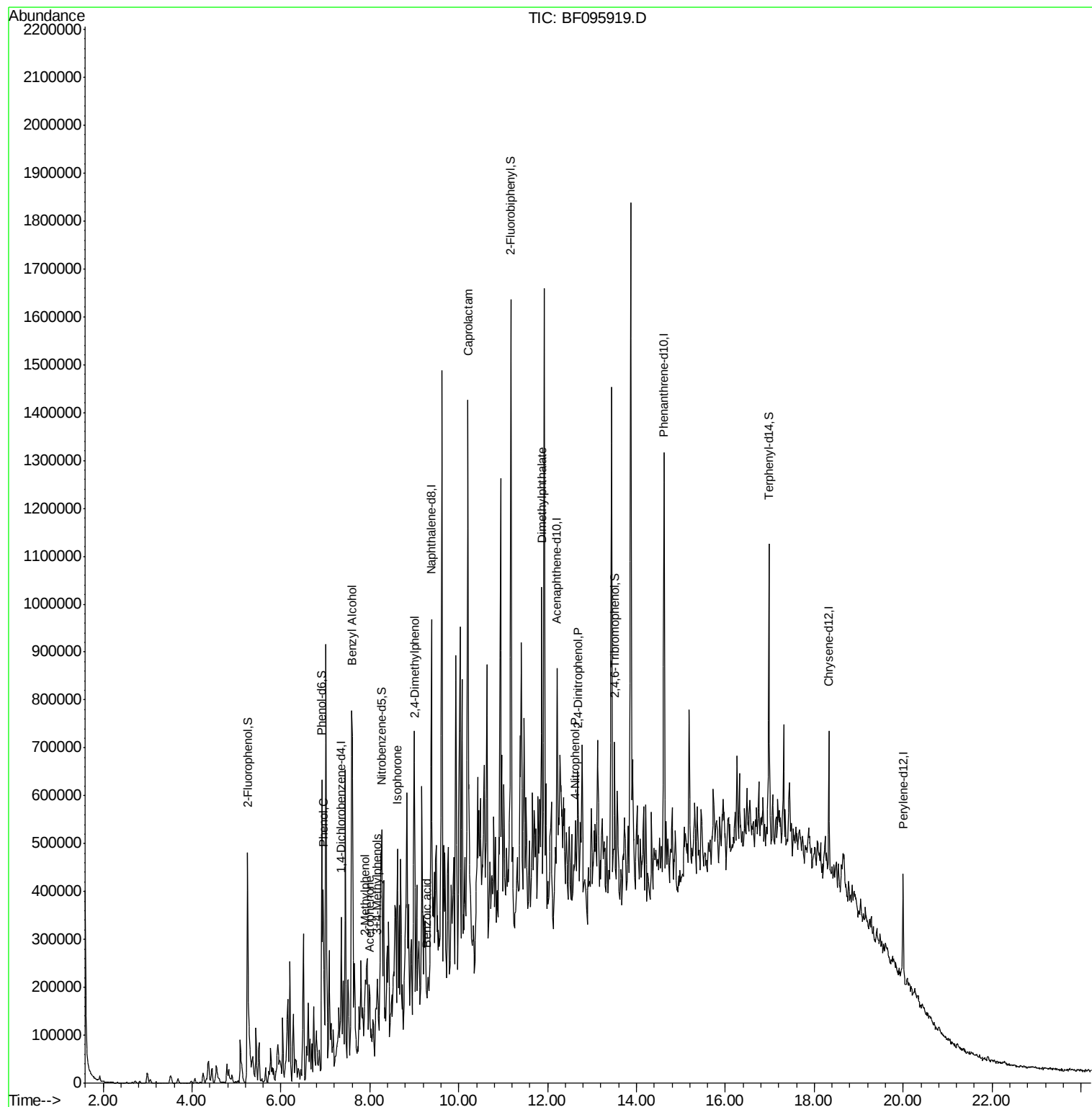
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	66982	20.00	ng	-0.05
21) Naphthalene-d8	9.39	136	246225	20.00	ng	-0.05
38) Acenaphthene-d10	12.21	164	94835	20.00	ng	-0.05
63) Phenanthrene-d10	14.61	188	140808	20.00	ng	-0.04
75) Chrysene-d12	18.33	240	126474	20.00	ng	-0.03
86) Perylene-d12	20.00	264	92077	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	352727	83.91	ng	-0.04
7) Phenol-d6	6.92	99	428034	85.06	ng	-0.04
23) Nitrobenzene-d5	8.27	82	234950	59.26	ng	-0.05
41) 2,4,6-Tribromophenol	13.51	330	55973	66.71	ng	-0.04
44) 2-Fluorobiphenyl	11.17	172	333396	48.92	ng	-0.05
78) Terphenyl-d14	16.98	244	208540	40.92	ng	-0.04
Target Compounds						Qvalue
10) Phenol	6.94	94	58653	11.24	ng	93
15) Benzyl Alcohol	7.59	79	9183	2.66	ng	# 42
17) 2-Methylphenol	7.89	107	48354	12.89	ng	98
20) 3+4-Methylphenols	8.17	107	86856	18.24	ng	# 64
22) Acetophenone	8.00	105	19447	3.37	ng	# 44
25) Isophorone	8.62	82	23182	3.13	ng	# 1
27) 2,4-Dimethylphenol	9.01	122	25425	7.39	ng	93
32) Benzoic acid	9.29	122	9635	9.12	ng	# 31
35) Caprolactam	10.20	113	45413	46.04	ng	# 58
49) Dimethylphthalate	11.86	163	46211	6.42	ng	# 97
53) 2,4-Dinitrophenol	12.69	184	229	6.71	ng	# 1
55) 4-Nitrophenol	12.61	139	737	5.28	ng	# 1

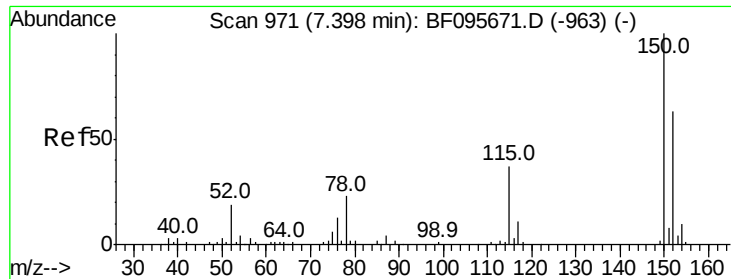
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.35 min Scan# 980

Delta R.T. -0.05 min

Lab File: BF095919.D

Acq: 14 Jun 2017 6:40

Instrument :

BNA_F

ClientSampled :

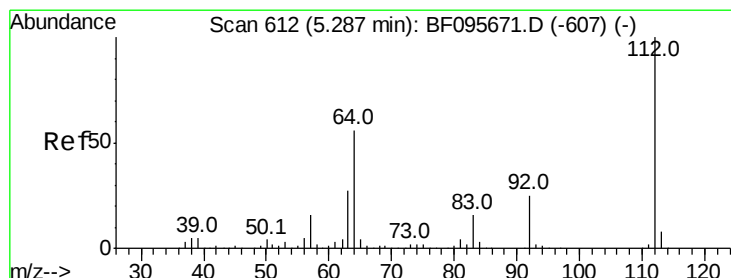
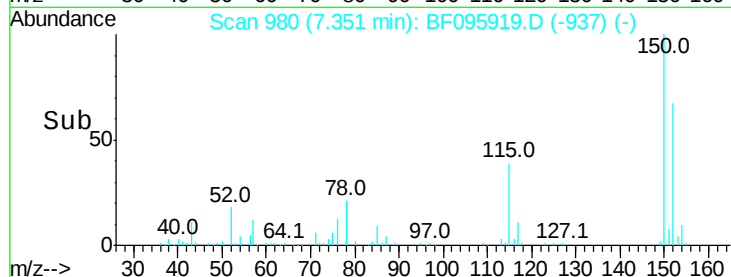
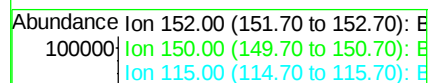
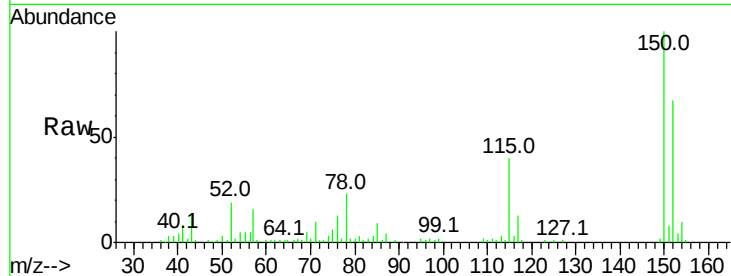
Tot Ion:152 Resp: 66982

Ion Ratio Lower Upper

152 100

150 149.5 126.2 189.2

115 60.3 52.2 78.2



#5

2-Fluorophenol

Concen: 83.91 ng

RT: 5.25 min Scan# 622

Delta R.T. -0.04 min

Lab File: BF095919.D

Acq: 14 Jun 2017 6:40

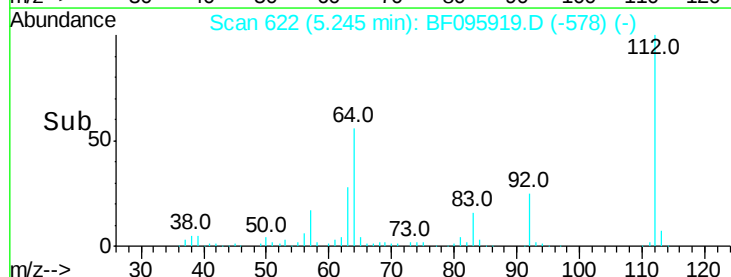
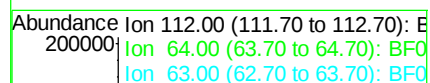
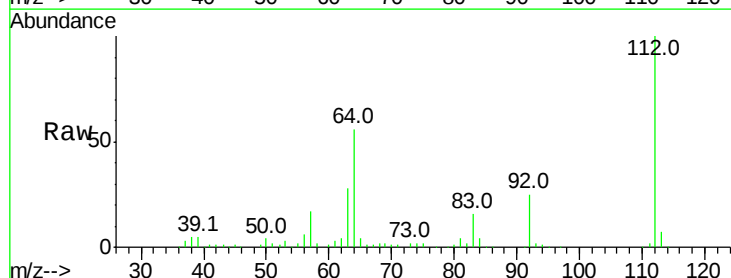
Tgt Ion:112 Resp: 352727

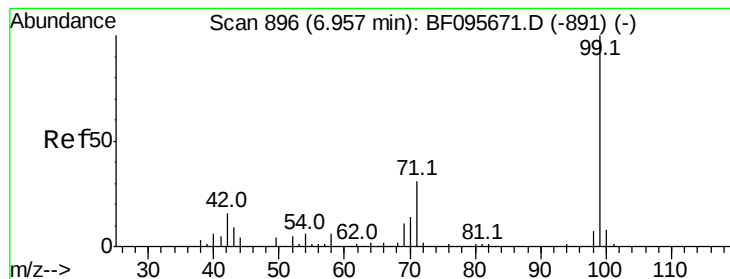
Ion Ratio Lower Upper

112 100

64 56.0 46.0 69.0

63 27.6 23.4 35.0





#7

Phenol-d6

Concen: 85.06 ng

RT: 6.92 min Scan# 906

Delta R.T. -0.04 min

Lab File: BF095919.D

Acq: 14 Jun 2017 6:40

Instrument :

BNA_F

ClientSampleId :

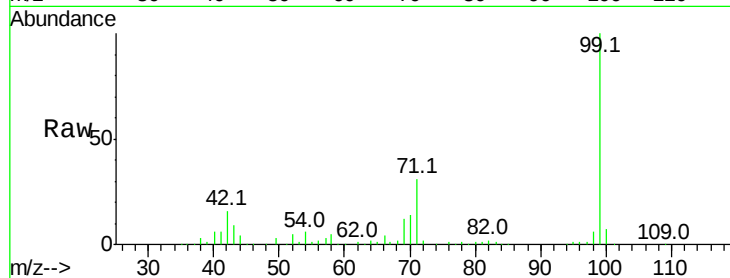
Tot Ion: 99 Resp: 428034

Ion Ratio Lower Upper

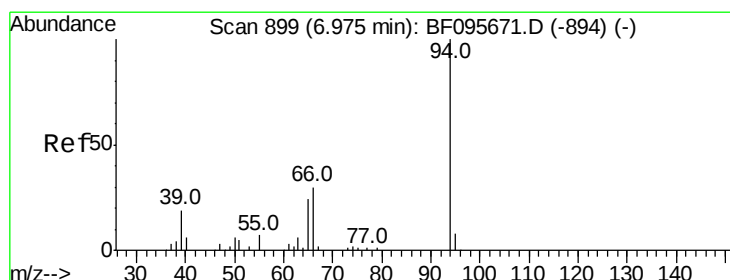
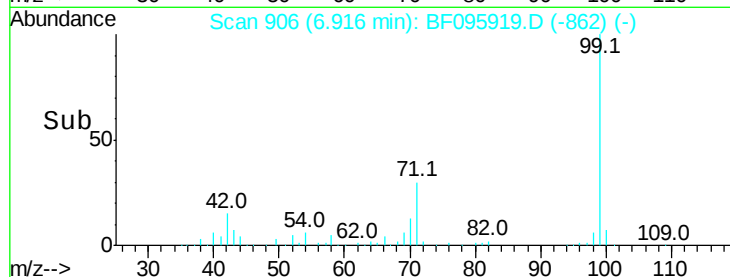
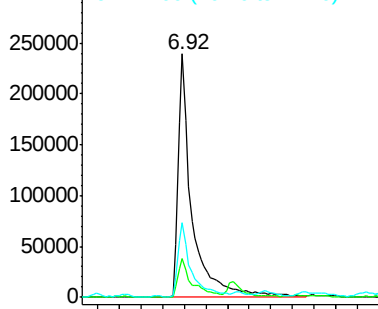
99 100

42 15.7 13.5 20.3

71 30.8 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



#10

Phenol

Concen: 11.24 ng

RT: 6.94 min Scan# 910

Delta R.T. -0.04 min

Lab File: BF095919.D

Acq: 14 Jun 2017 6:40

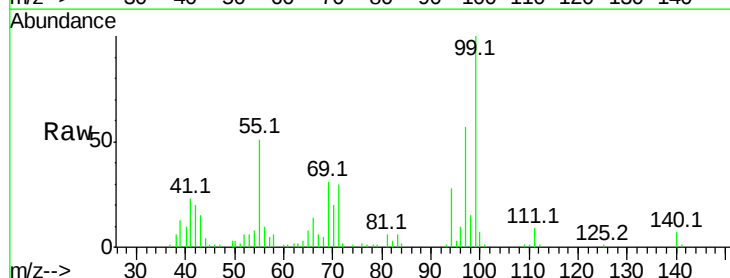
Tgt Ion: 94 Resp: 58653

Ion Ratio Lower Upper

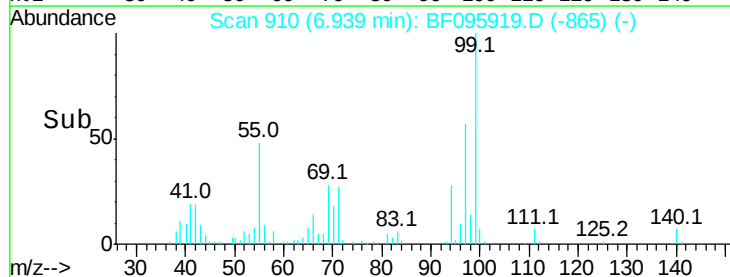
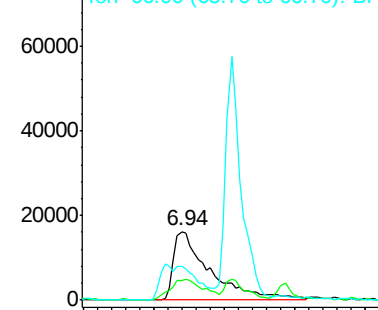
94 100

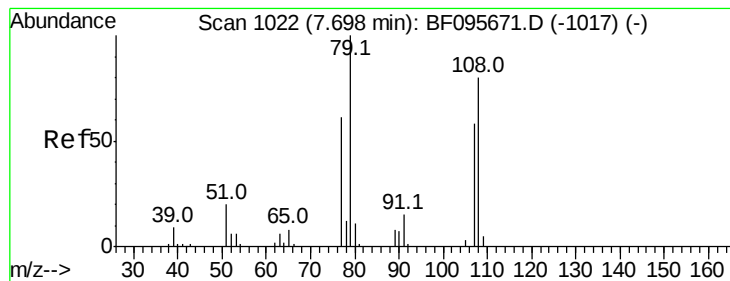
65 28.9 9.9 49.9

66 49.4 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.66 ng

RT: 7.59 min Scan# 1020

Delta R.T. -0.11 min

Lab File: BF095919.D

Acq: 14 Jun 2017 6:40

Instrument :

BNA_F

ClientSampled :

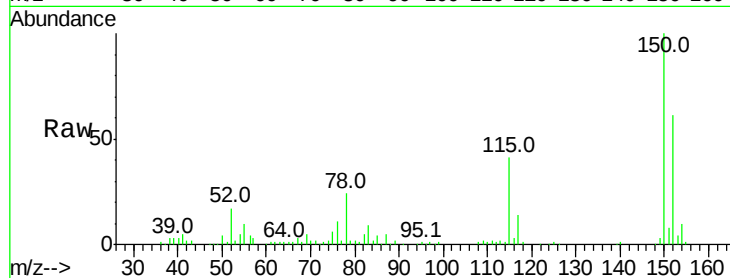
Tot Ion: 79 Resp: 9183

Ion Ratio Lower Upper

79 100

108 24.3 63.4 95.0#

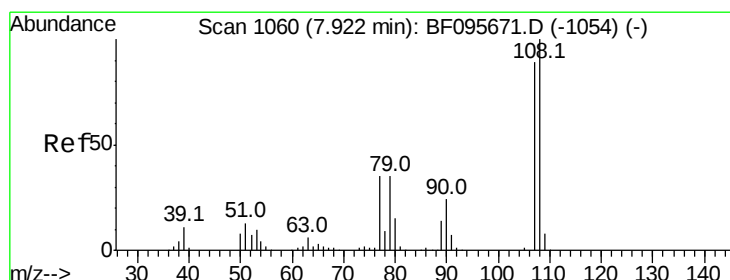
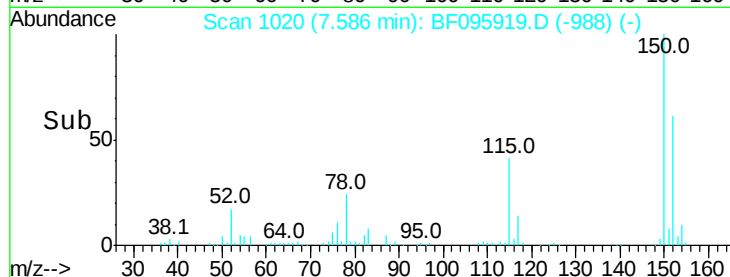
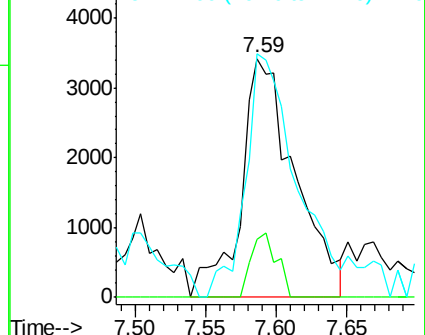
77 101.9 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#17

2-Methylphenol

Concen: 12.89 ng

RT: 7.89 min Scan# 1072

Delta R.T. -0.03 min

Lab File: BF095919.D

Acq: 14 Jun 2017 6:40

Tgt Ion: 107 Resp: 48354

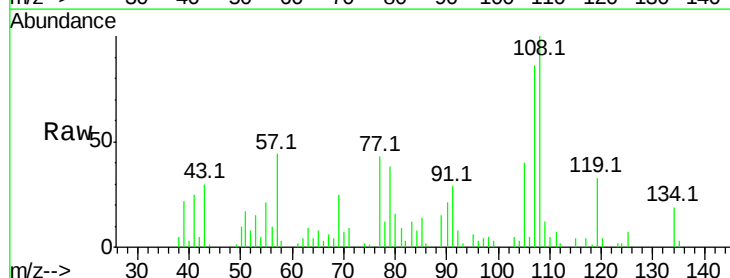
Ion Ratio Lower Upper

107 100

108 116.3 93.4 140.0

77 50.1 35.8 53.6

79 44.7 34.8 52.2

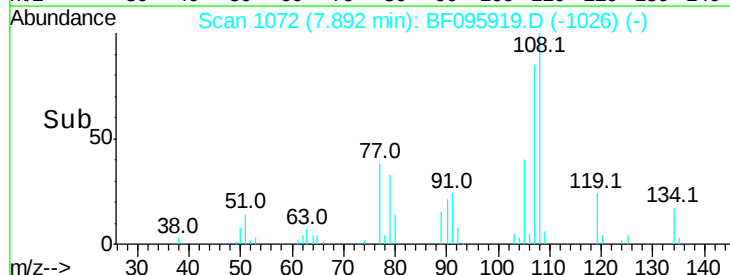
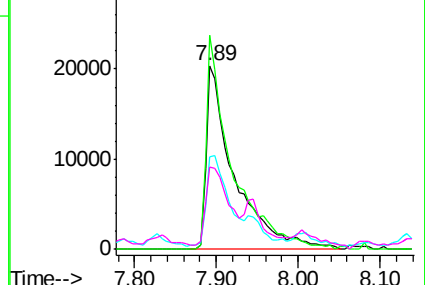


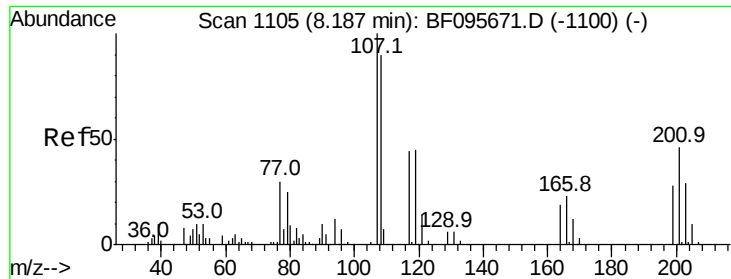
Abundance Ion 107.00 (106.70 to 107.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

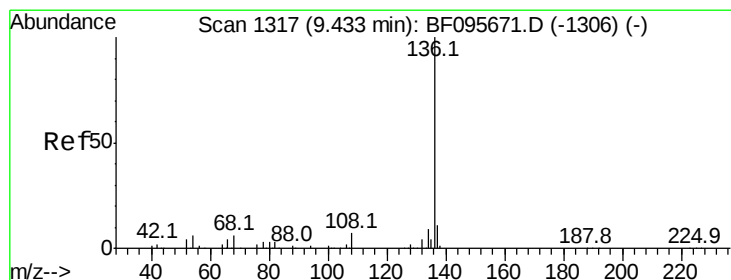
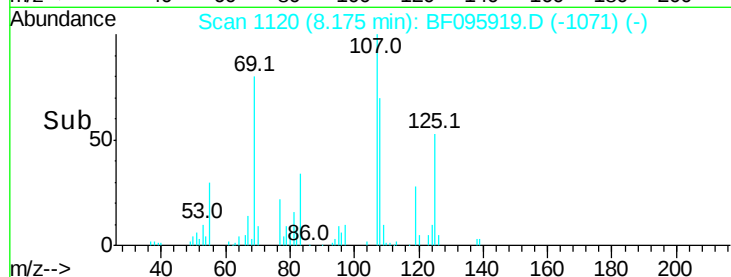
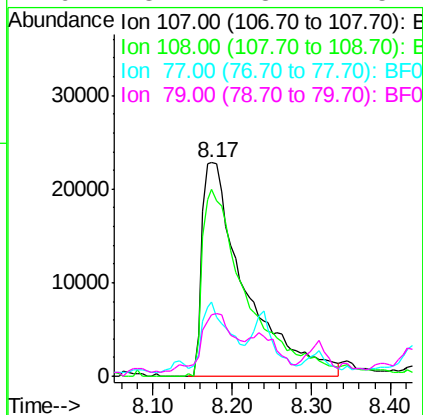
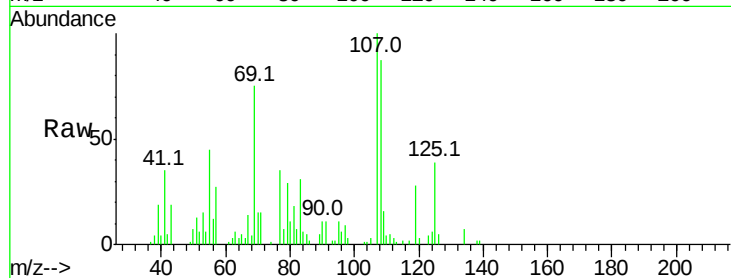




#20
 3+4-Methylphenols
 Concen: 18.24 ng
 RT: 8.17 min Scan# 1120
 Delta R.T. -0.01 min
 Lab File: BF095919.D
 Acq: 14 Jun 2017 6:40

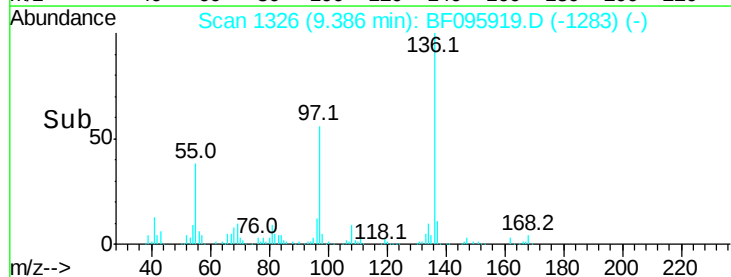
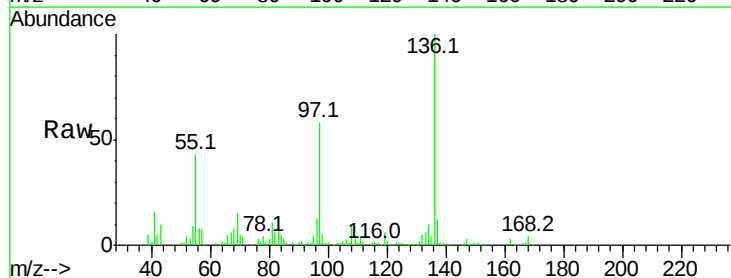
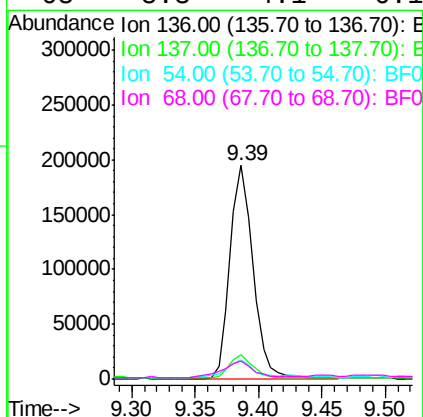
Instrument :
 BNA_F
 ClientSampleId :

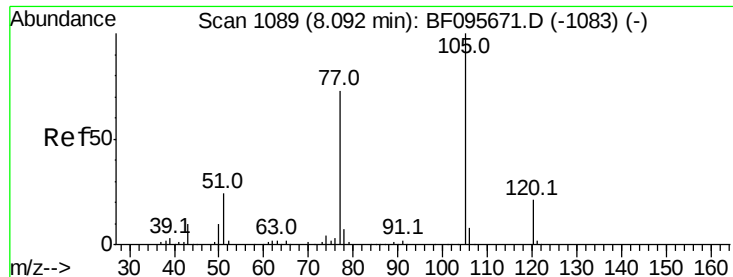
Tot Ion:	107	Resp:	86856
Ion	Ratio	Lower	Upper
107	100		
108	87.3	71.0	111.0
77	34.9	90.5	130.5#
79	28.7	8.4	48.4



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 9.39 min Scan# 1326
 Delta R.T. -0.05 min
 Lab File: BF095919.D
 Acq: 14 Jun 2017 6:40

Tgt Ion:	136	Resp:	246225
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.5	12.7
54	9.0	4.9	7.3#
68	8.3	4.1	6.1#





#22

Acetophenone

Concen: 3.37 ng

RT: 8.00 min Scan# 1091

Delta R.T. -0.09 min

Lab File: BF095919.D

Acq: 14 Jun 2017 6:40

Instrument :

BNA_F

ClientSampled :

Tot Ion:105 Resp: 19447

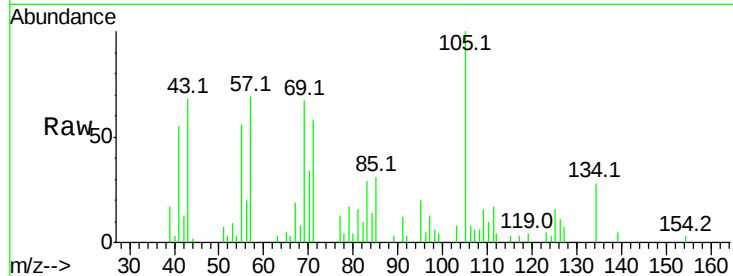
Ion Ratio Lower Upper

105 100

71 57.6 2.8 4.2#

51 6.6 30.7 46.1#

120 0.0 17.4 26.0#

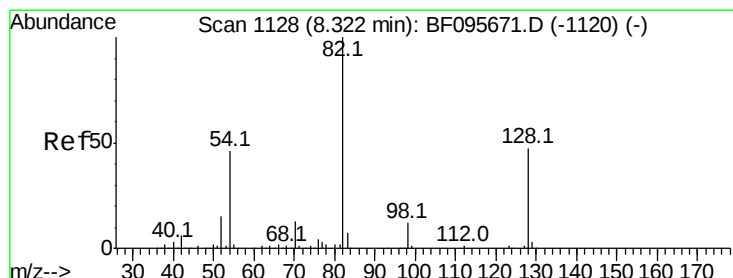
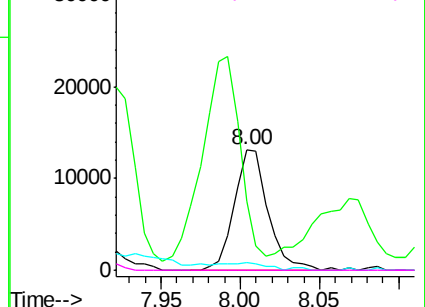
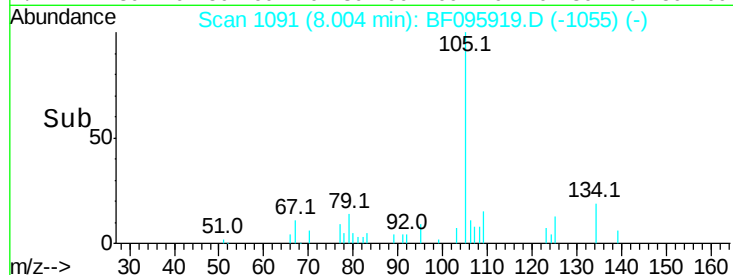


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 59.26 ng

RT: 8.27 min Scan# 1136

Delta R.T. -0.05 min

Lab File: BF095919.D

Acq: 14 Jun 2017 6:40

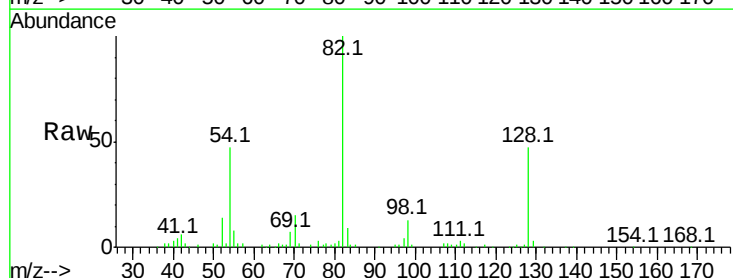
Tgt Ion: 82 Resp: 234950

Ion Ratio Lower Upper

82 100

128 47.2 34.0 51.0

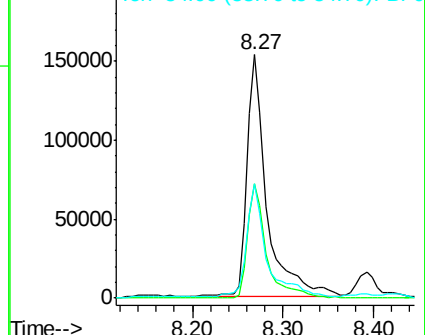
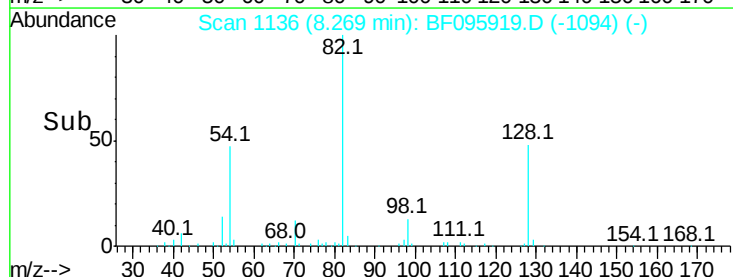
54 47.0 42.2 63.2

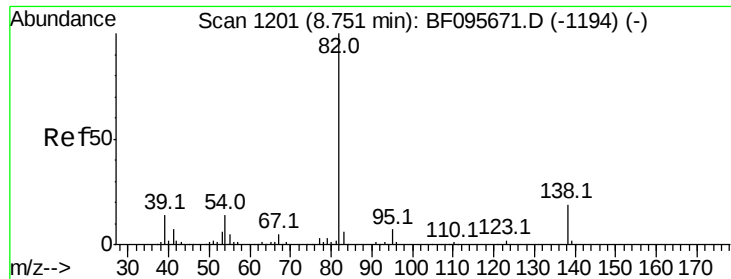


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

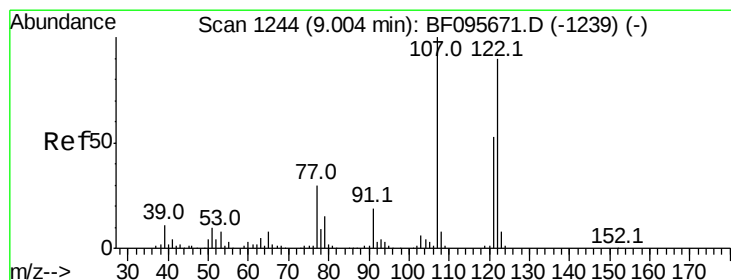
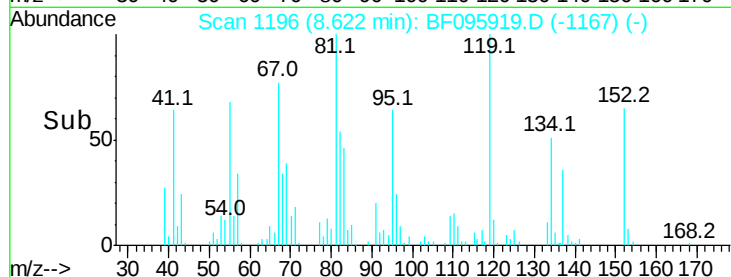
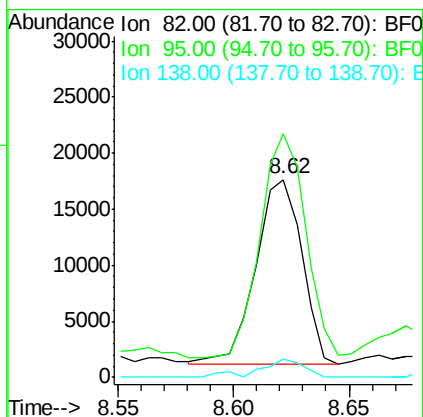
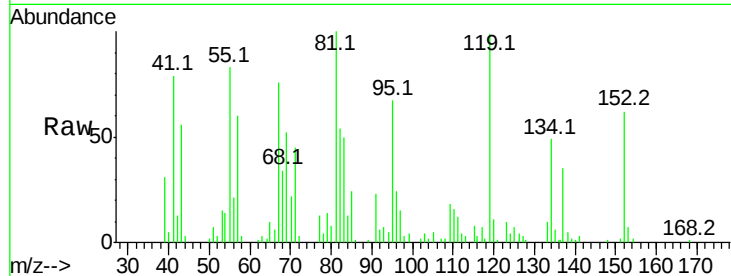




#25
Isophorone
Concen: 3.13 ng
RT: 8.62 min Scan# 1196
Delta R.T. -0.13 min
Lab File: BF095919.D
Acq: 14 Jun 2017 6:40

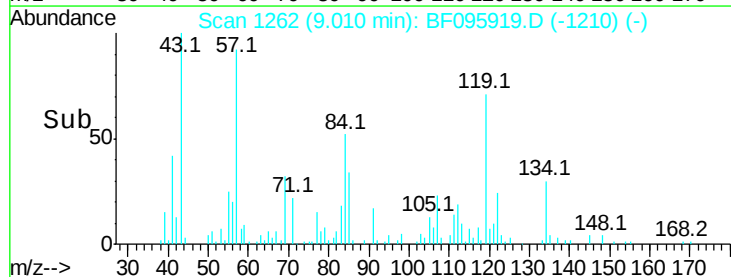
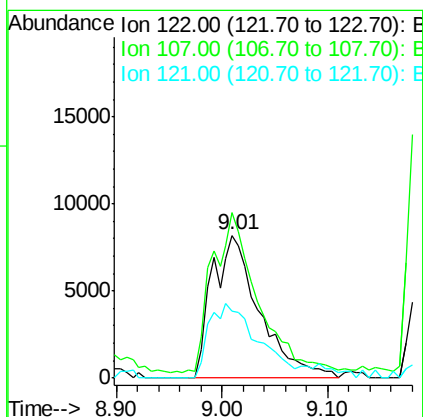
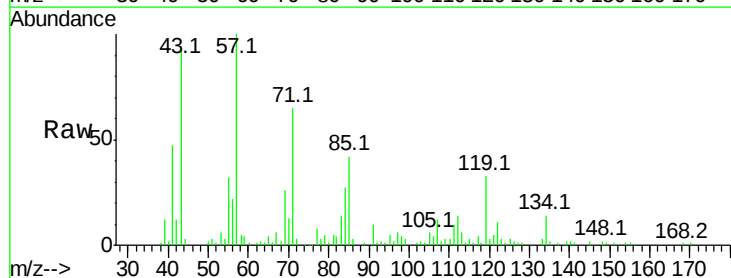
Instrument :
BNA_F
ClientSampleId :

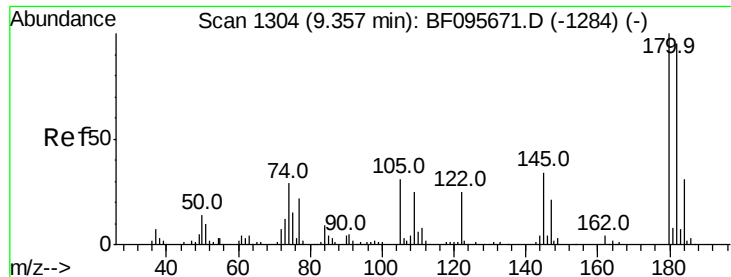
Tot Ion: 82 Resp: 23182
Ion Ratio Lower Upper
82 100
95 123.0 5.3 7.9#
138 9.0 13.1 19.7#



#27
2,4-Dimethylphenol
Concen: 7.39 ng
RT: 9.01 min Scan# 1262
Delta R.T. 0.01 min
Lab File: BF095919.D
Acq: 14 Jun 2017 6:40

Tgt Ion: 122 Resp: 25425
Ion Ratio Lower Upper
122 100
107 115.5 89.2 133.8
121 47.1 45.2 67.8

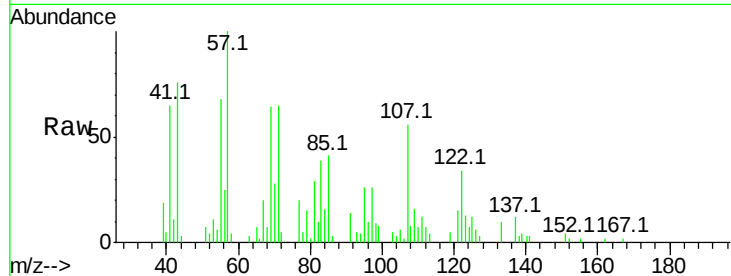




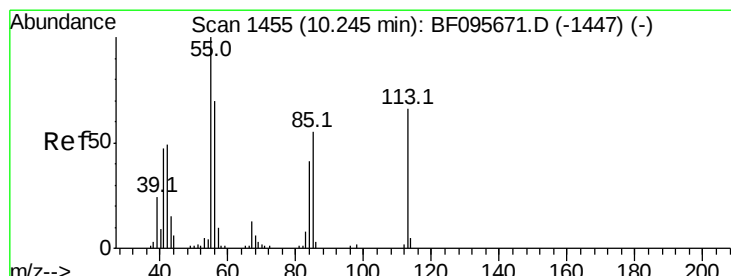
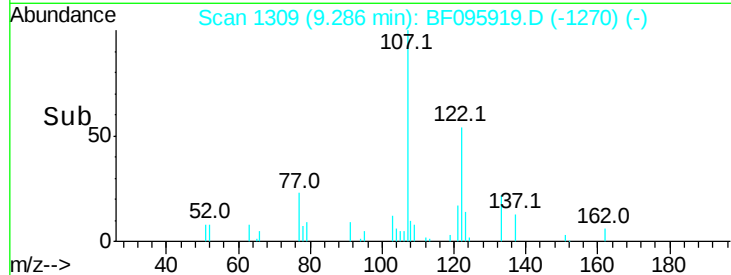
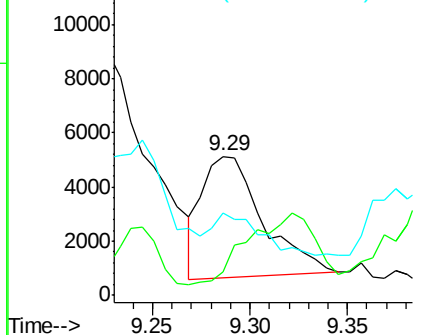
#32
Benzoic acid
Concen: 9.12 ng
RT: 9.29 min Scan# 1309
Delta R.T. -0.07 min
Lab File: BF095919.D
Acq: 14 Jun 2017 6:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 9635
Ion Ratio Lower Upper
122 100
105 17.1 103.3 143.3#
77 59.2 73.7 113.7#

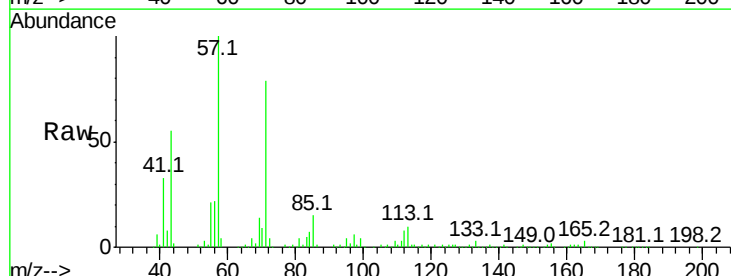


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

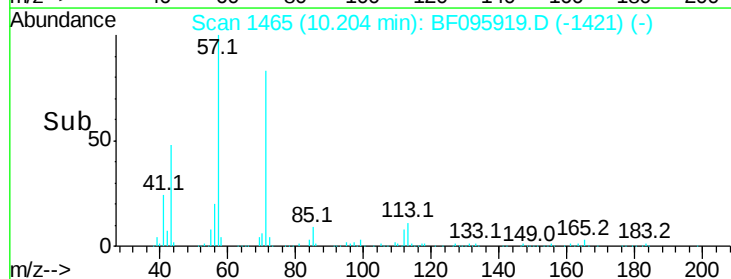
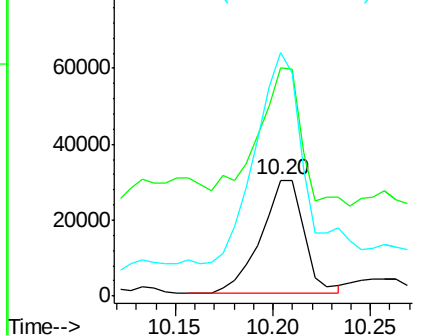


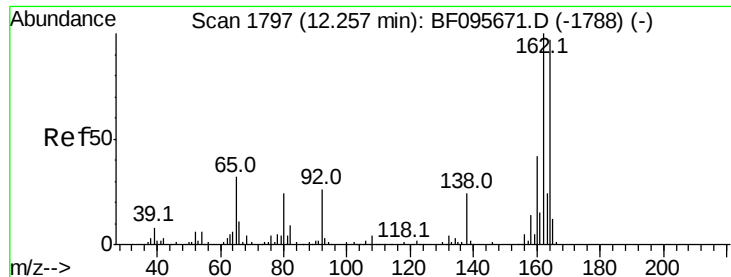
#35
Caprolactam
Concen: 46.04 ng
RT: 10.20 min Scan# 1465
Delta R.T. -0.04 min
Lab File: BF095919.D
Acq: 14 Jun 2017 6:40

Tgt Ion:113 Resp: 45413
Ion Ratio Lower Upper
113 100
55 197.6 150.2 190.2#
56 210.2 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.21 min Scan# 1806

Delta R.T. -0.05 min

Lab File: BF095919.D

Acq: 14 Jun 2017 6:40

Instrument :

BNA_F

ClientSampleId :

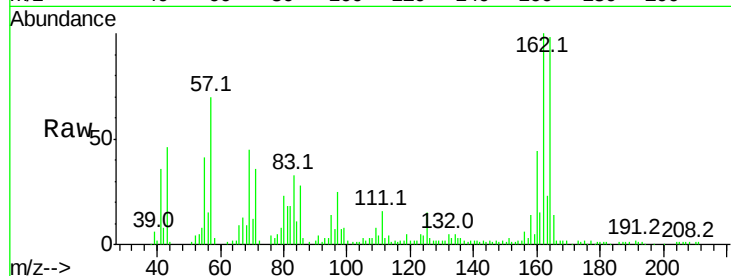
Tot Ion:164 Resp: 94835

Ion Ratio Lower Upper

164 100

162 102.0 82.6 123.8

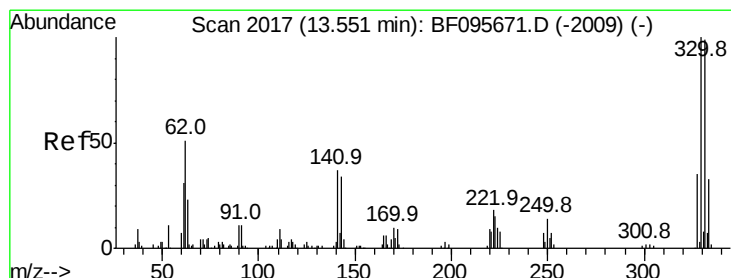
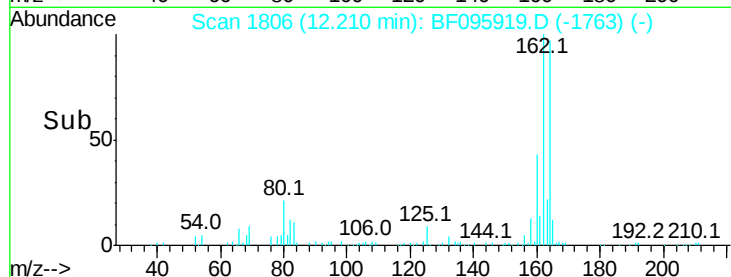
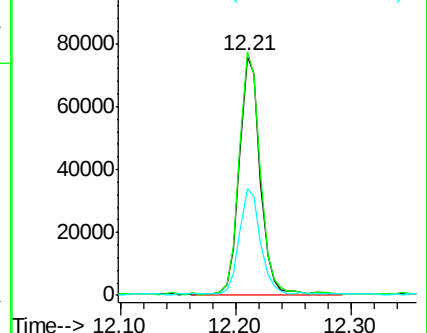
160 44.6 36.2 54.2



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: 66.71 ng

RT: 13.51 min Scan# 2027

Delta R.T. -0.04 min

Lab File: BF095919.D

Acq: 14 Jun 2017 6:40

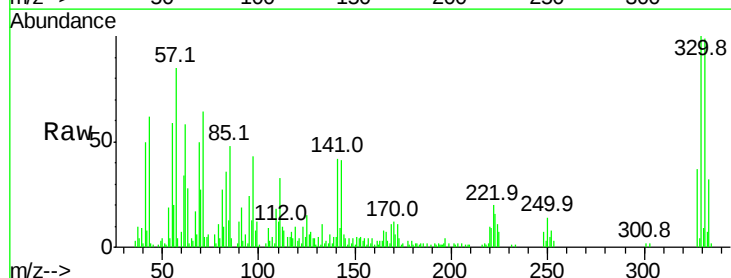
Tgt Ion:330 Resp: 55973

Ion Ratio Lower Upper

330 100

332 97.4 76.6 115.0

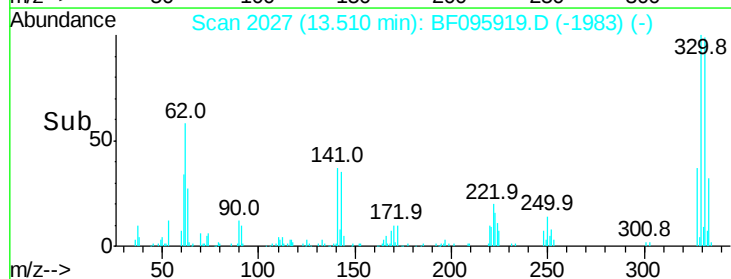
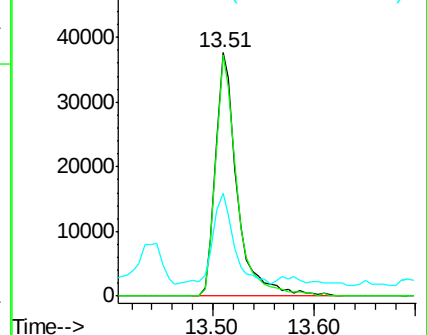
141 35.4 31.4 47.2

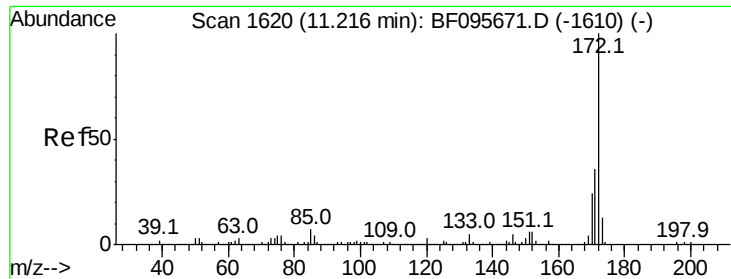


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

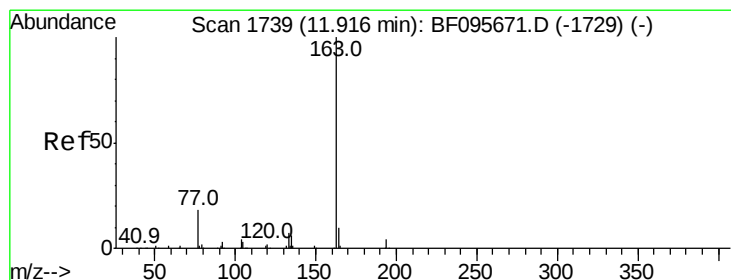
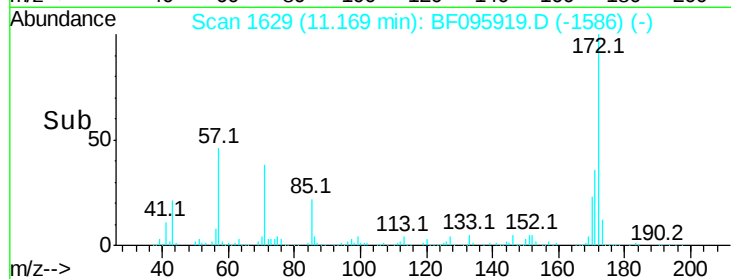
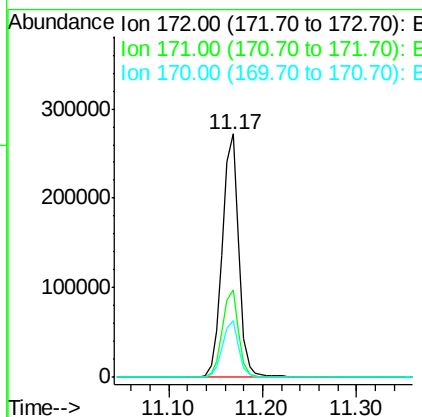
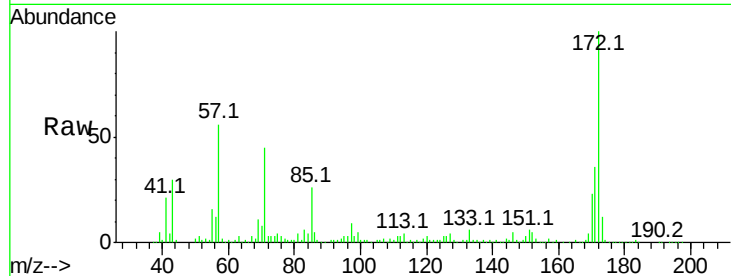




#44
2-Fluorobiphenyl
Concen: 48.92 ng
RT: 11.17 min Scan# 1629
Delta R.T. -0.05 min
Lab File: BF095919.D
Acq: 14 Jun 2017 6:40

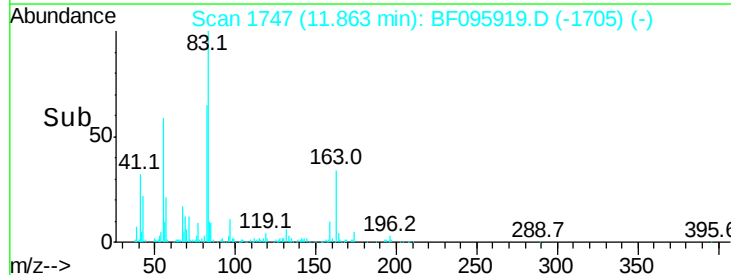
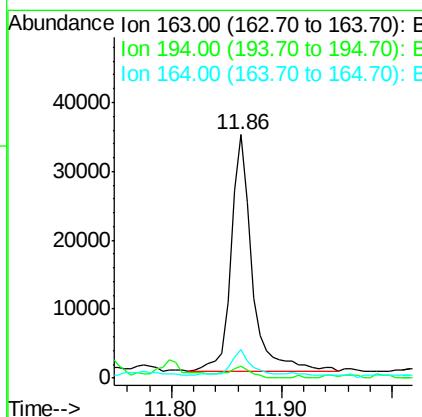
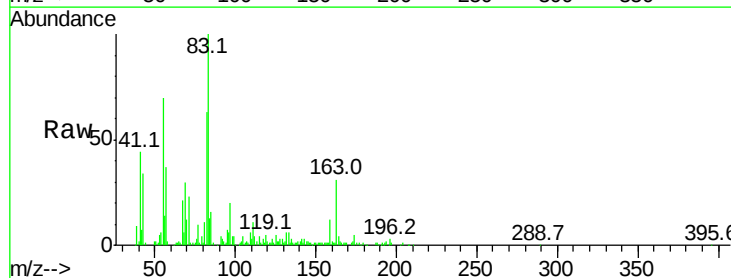
Instrument :
BNA_F
ClientSampleId :

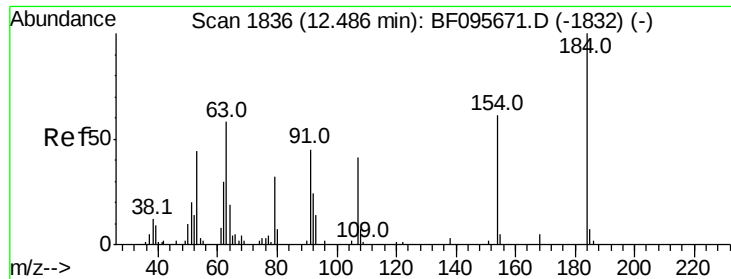
Tot Ion:172 Resp: 333396
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 23.1 19.8 29.8



#49
Dimethylphthalate
Concen: 6.42 ng
RT: 11.86 min Scan# 1747
Delta R.T. -0.05 min
Lab File: BF095919.D
Acq: 14 Jun 2017 6:40

Tgt Ion:163 Resp: 46211
Ion Ratio Lower Upper
163 100
194 5.1 2.6 4.0#
164 11.6 8.4 12.6





#53

2,4-Dinitrophenol

Concen: 6.71 ng

RT: 12.69 min Scan# 1888

Delta R.T. 0.21 min

Lab File: BF095919.D

Acq: 14 Jun 2017 6:40

Instrument :

BNA_F

ClientSampleId :

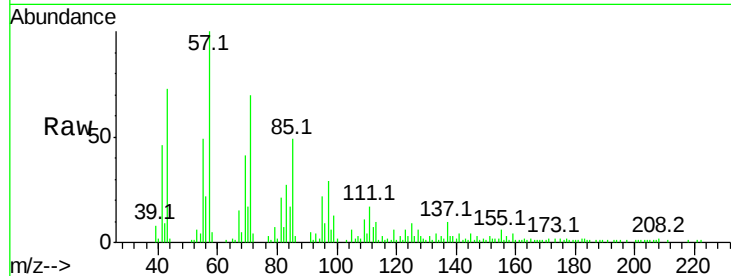
Tot Ion:184 Resp: 229

Ion Ratio Lower Upper

184 100

63 103.4 62.7 94.1#

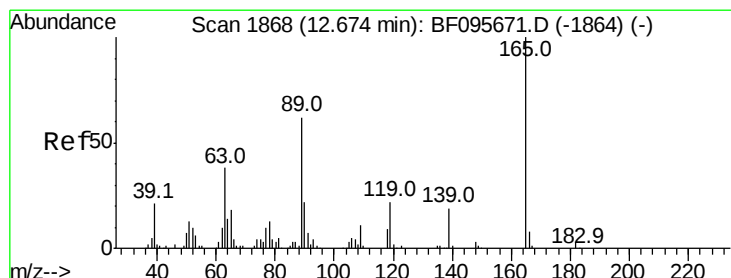
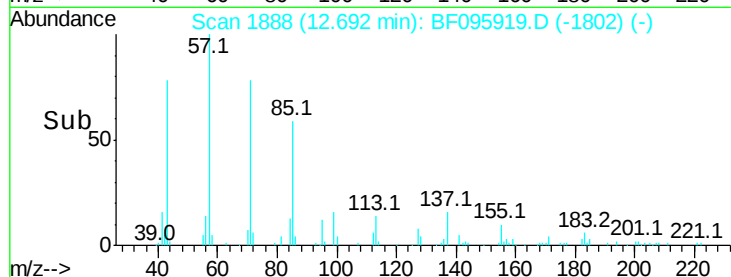
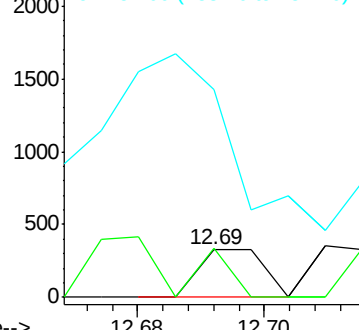
154 439.2 81.1 121.7#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#55

4-Nitrophenol

Concen: 5.28 ng

RT: 12.61 min Scan# 1874

Delta R.T. -0.06 min

Lab File: BF095919.D

Acq: 14 Jun 2017 6:40

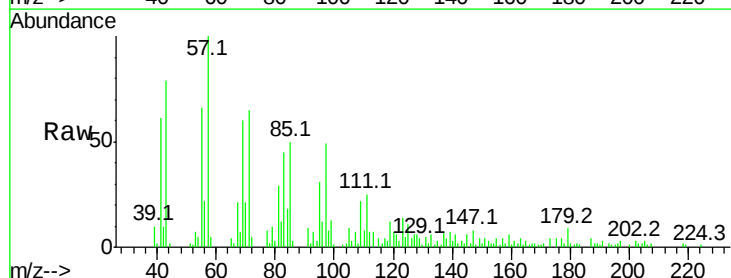
Tgt Ion:139 Resp: 737

Ion Ratio Lower Upper

139 100

109 317.7 34.1 74.1#

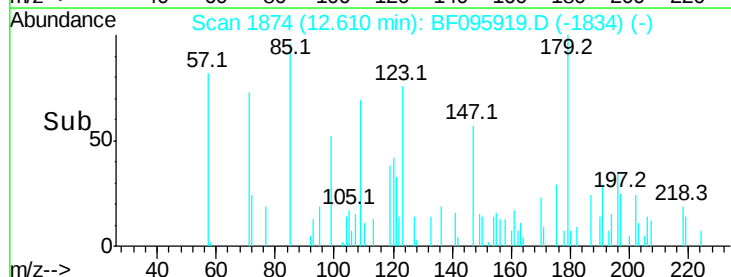
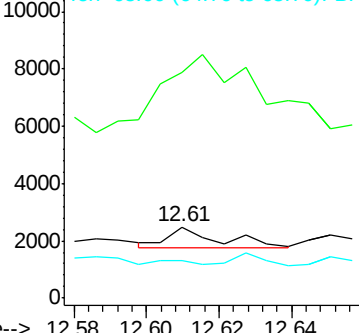
65 53.3 31.4 71.4

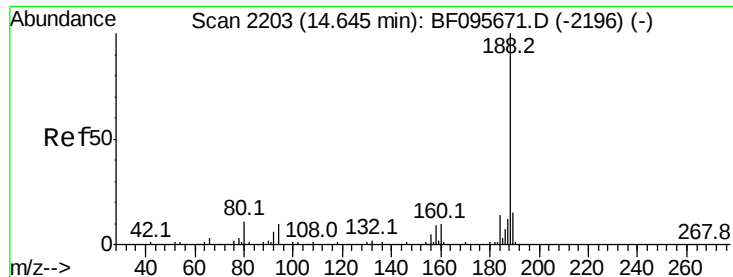


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

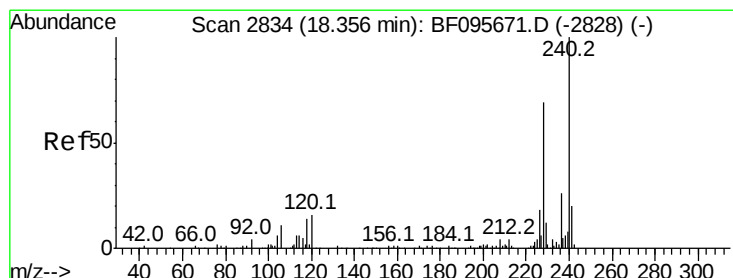
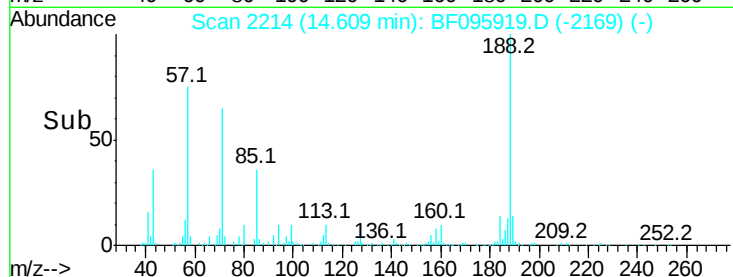
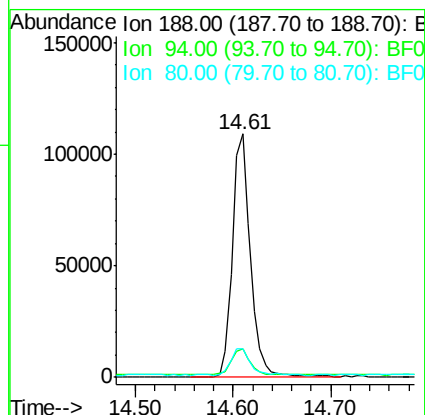
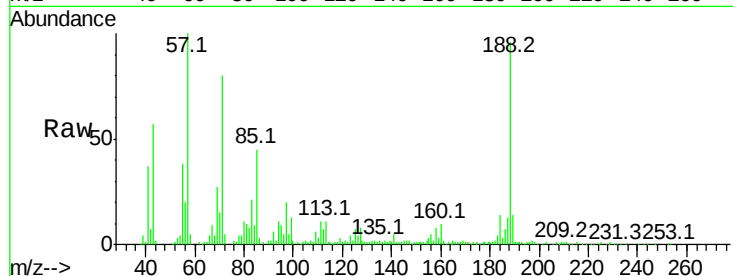




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.61 min Scan# 2214
Delta R.T. -0.04 min
Lab File: BF095919.D
Acq: 14 Jun 2017 6:40

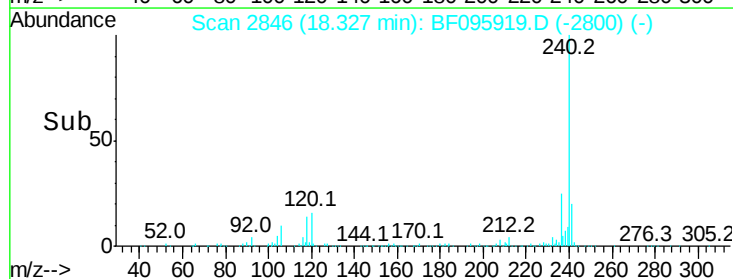
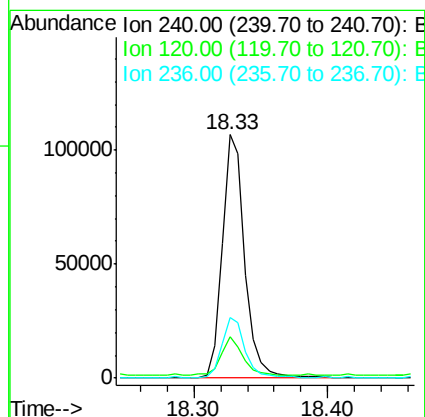
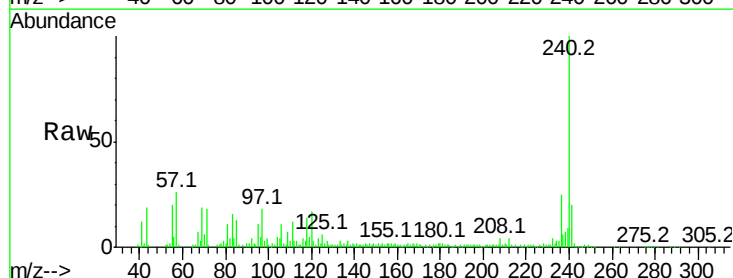
Instrument :
BNA_F
ClientSampled :

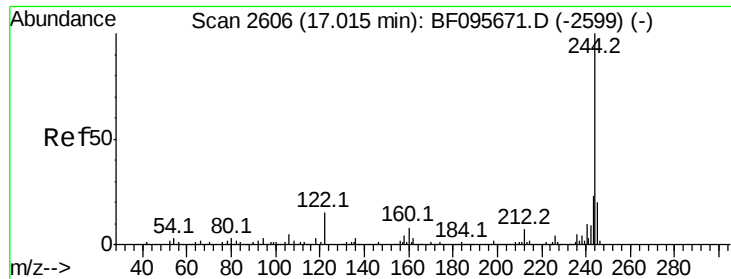
Tot Ion:188 Resp: 140808
Ion Ratio Lower Upper
188 100
94 11.6 9.4 14.2
80 11.5 10.2 15.2



#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.33 min Scan# 2846
Delta R.T. -0.03 min
Lab File: BF095919.D
Acq: 14 Jun 2017 6:40

Tgt Ion:240 Resp: 126474
Ion Ratio Lower Upper
240 100
120 17.0 5.8 8.8#
236 24.9 20.5 30.7

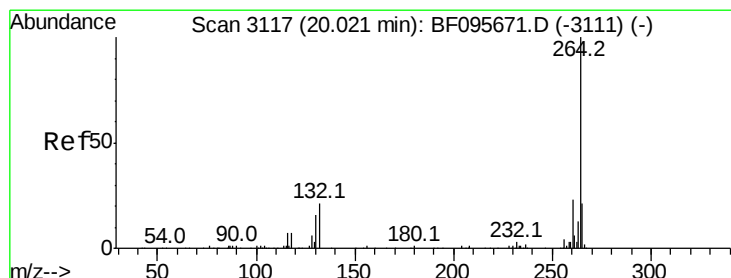
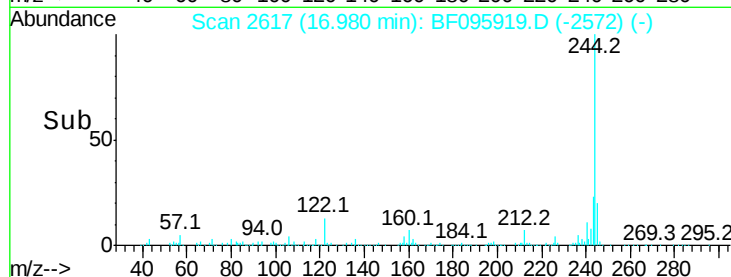
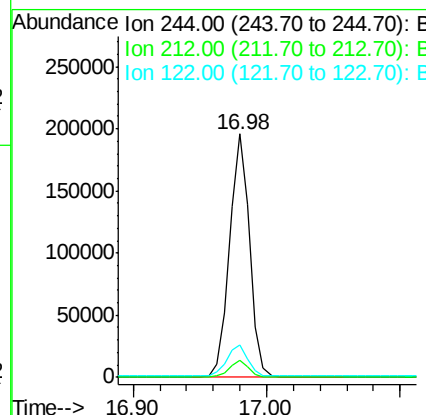
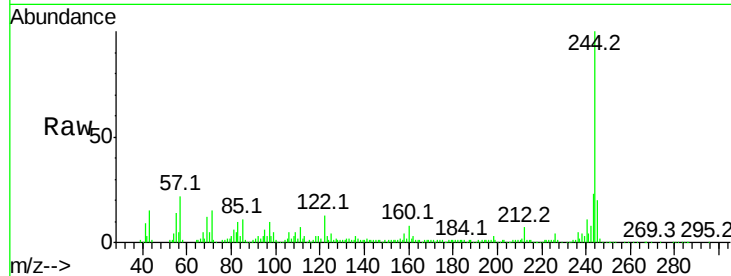




#78
 Terphenyl-d14
 Concen: 40.92 ng
 RT: 16.98 min Scan# 2617
 Delta R.T. -0.04 min
 Lab File: BF095919.D
 Acq: 14 Jun 2017 6:40

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	13.4	10.3	15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.00 min Scan# 3130
 Delta R.T. -0.02 min
 Lab File: BF095919.D
 Acq: 14 Jun 2017 6:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.6	17.2	25.8

