

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072717\
 Data File : BF097139.D
 Acq On : 27 Jul 2017 23:01
 Operator : SJ/JU
 Sample : I4424-10 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-072417-D

Quant Time: Jul 28 00:46:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

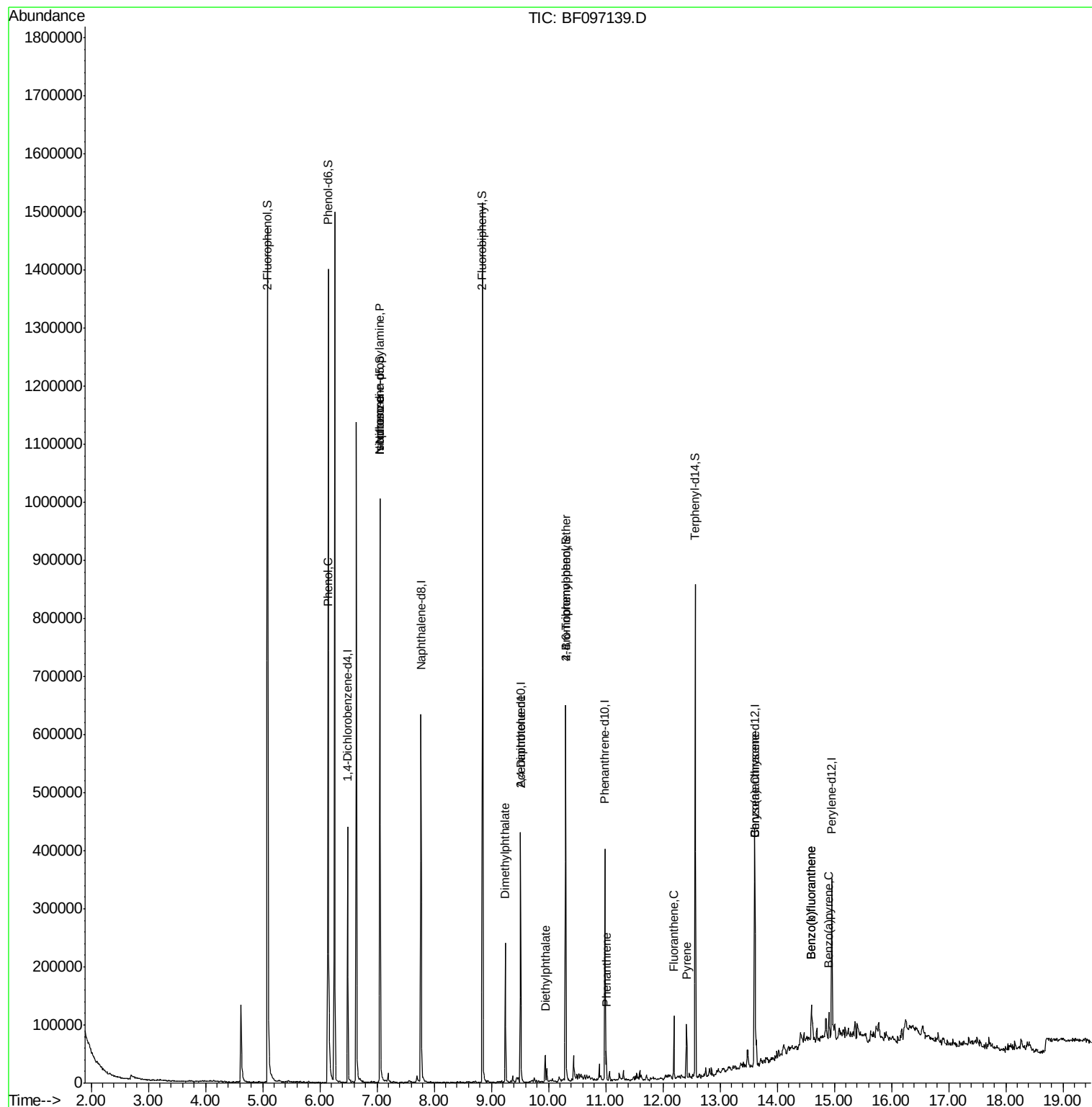
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	60297	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	262826	20.00	ng	-0.02
38) Acenaphthene-d10	9.51	164	90163	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	132406	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	122559	20.00	ng	-0.02
86) Perylene-d12	14.96	264	97622	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	442169	110.55	ng	-0.02
7) Phenol-d6	6.15	99	447862	98.08	ng	-0.02
23) Nitrobenzene-d5	7.05	82	275850	61.57	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	64839	91.02	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	414178	77.96	ng	-0.02
78) Terphenyl-d14	12.57	244	234801	39.06	ng	-0.02
Target Compounds						
10) Phenol	6.16	94	11953	2.21	ng	Qvalue 83
19) n-Nitroso-di-n-propylamine	7.05	70	35778	11.90	ng	# 86
25) Isophorone	7.05	82	271550	30.95	ng	# 67
49) Dimethylphthalate	9.25	163	88541	12.93	ng	99
56) 2,4-Dinitrotoluene	9.51	165	11627	6.96	ng	# 31
59) Diethylphthalate	9.95	149	16770	2.67	ng	96
66) 4-Bromophenyl-phenylether	10.30	248	4253	3.22	ng	# 1
70) Phenanthrene	11.01	178	16637	2.35	ng	96
74) Fluoranthene	12.19	202	37851	5.45	ng	97
77) Pyrene	12.42	202	33397	3.33	ng	99
80) Benzo(a)anthracene	13.60	228	19818	2.50	ng	96
82) Chrysene	13.60	228	19818	2.56	ng	99
87) Benzo(b)fluoranthene	14.60	252	33185	5.65	ng	# 95
88) Benzo(k)fluoranthene	14.60	252	33185	5.93	ng	100
89) Benzo(a)pyrene	14.91	252	16415	3.06	ng	# 96

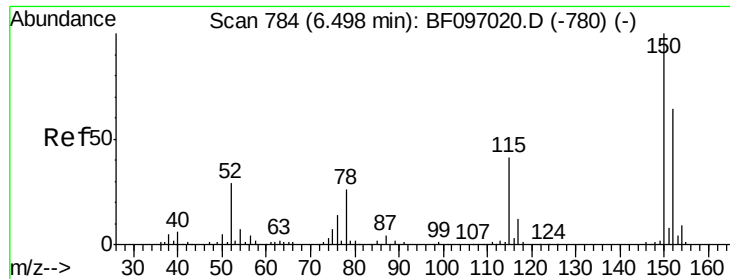
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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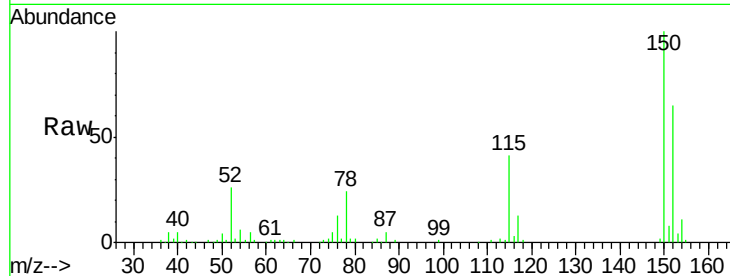


#1

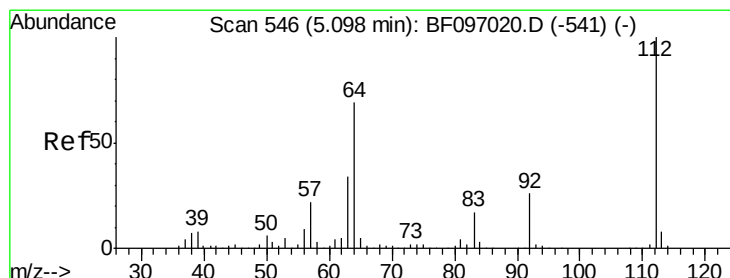
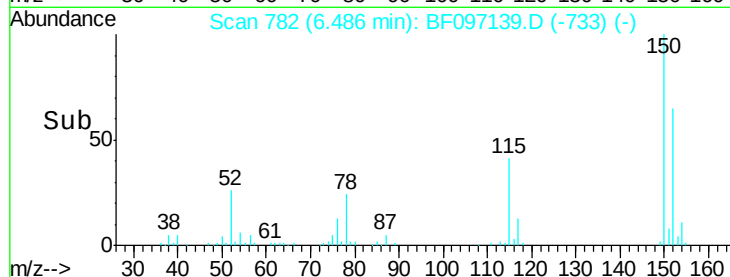
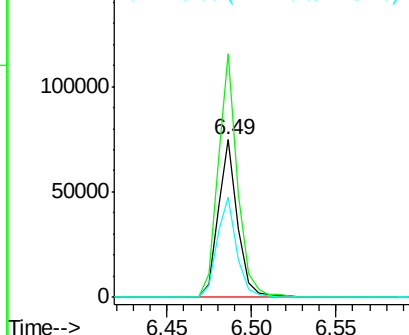
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Instrument :
BNA_F
ClientSampleId :
AU-06-072417-D

Tot Ion:152 Resp: 60297
Ion Ratio Lower Upper
152 100
150 154.7 126.2 189.2
115 63.9 52.2 78.2



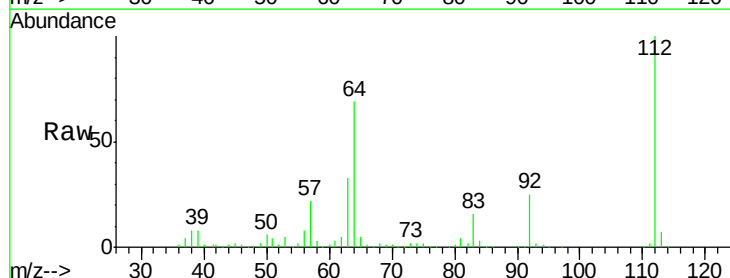
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



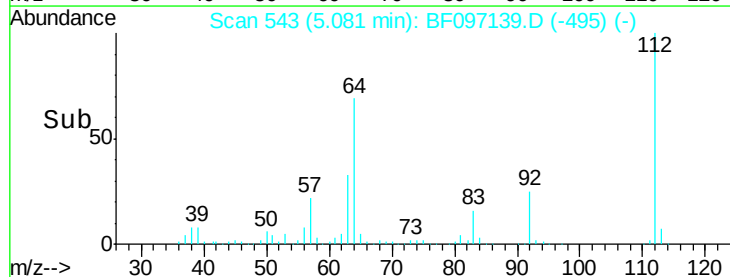
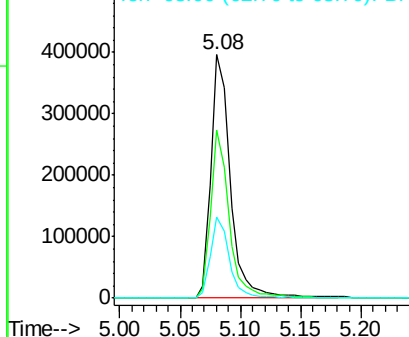
#5

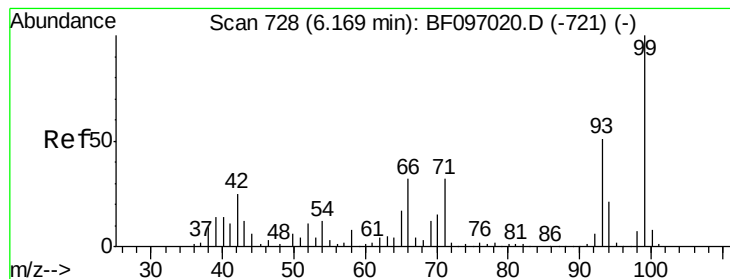
2-Fluorophenol
Concen: 110.55 ng
RT: 5.08 min Scan# 543
Delta R.T. -0.02 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Tgt Ion:112 Resp: 442169
Ion Ratio Lower Upper
112 100
64 69.1 46.0 69.0#
63 33.5 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: 98.08 ng

RT: 6.15 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF097139.D

Acq: 27 Jul 2017 23:01

Instrument :

BNA_F

ClientSampleId :

AU-06-072417-D

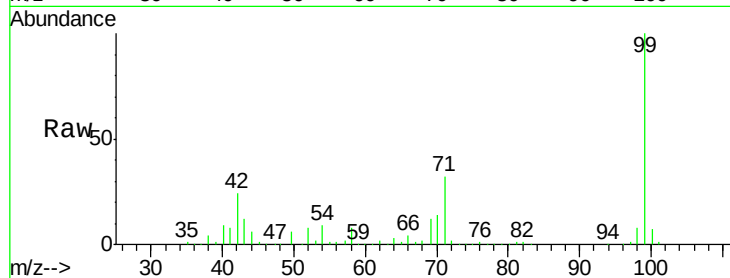
Tot Ion: 99 Resp: 447862

Ion Ratio Lower Upper

99 100

42 23.7 13.5 20.3#

71 31.6 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

6.15

400000

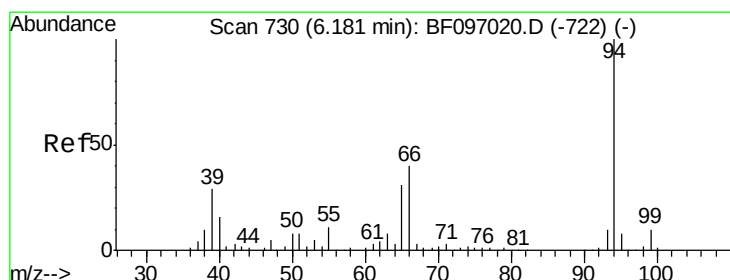
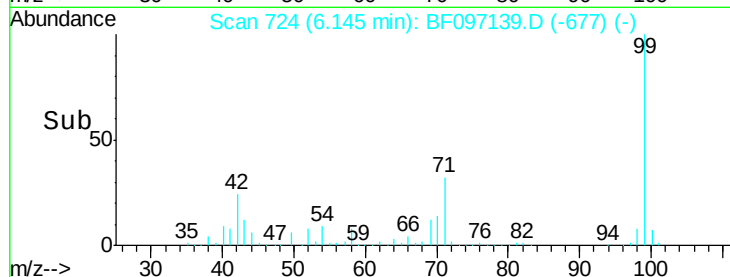
300000

200000

100000

0

Time-->



#10

Phenol

Concen: 2.21 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF097139.D

Acq: 27 Jul 2017 23:01

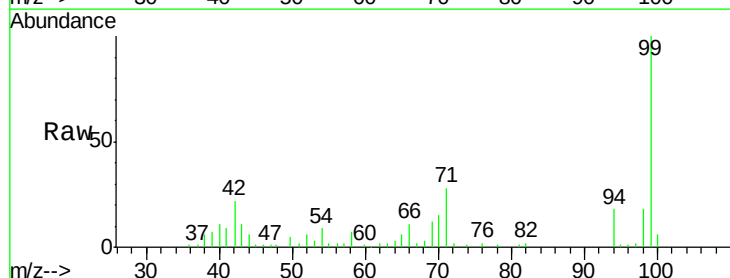
Tgt Ion: 94 Resp: 11953

Ion Ratio Lower Upper

94 100

65 32.3 9.9 49.9

66 59.8 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

6.16

25000

20000

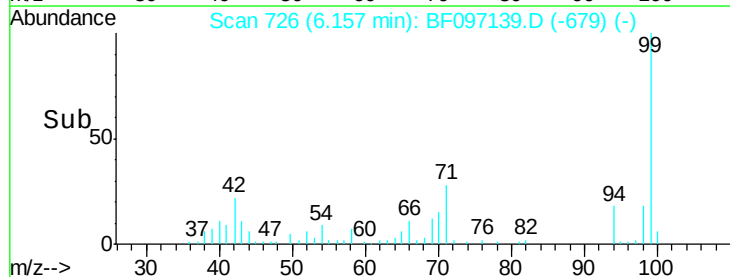
15000

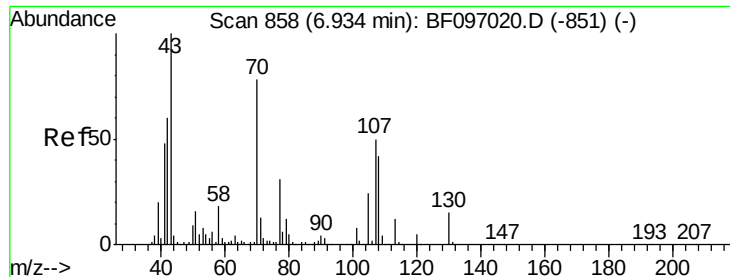
10000

5000

0

Time-->

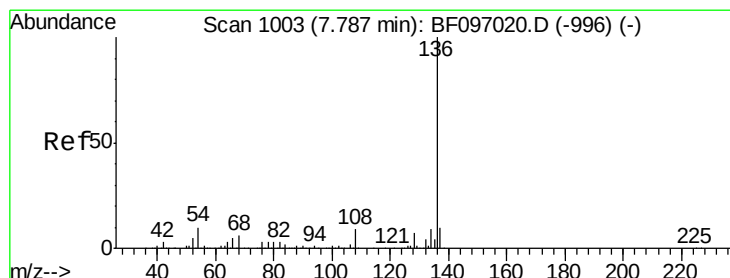
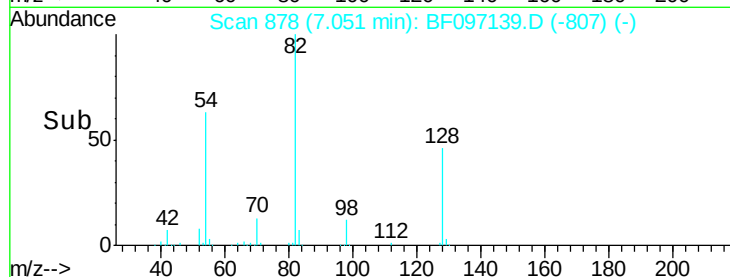
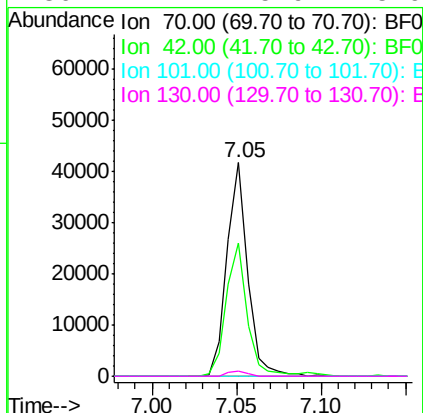
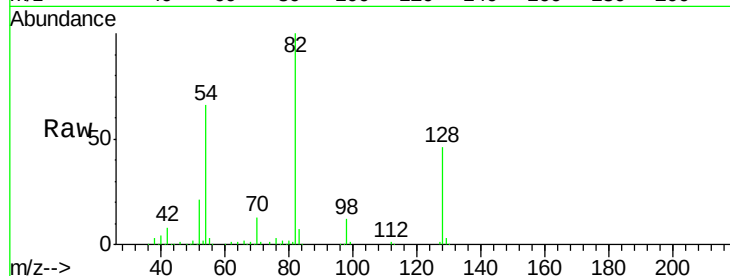




#19
n-Nitroso-di-n-propylamine
Concen: 11.90 ng
RT: 7.05 min Scan# 878
Delta R.T. 0.12 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

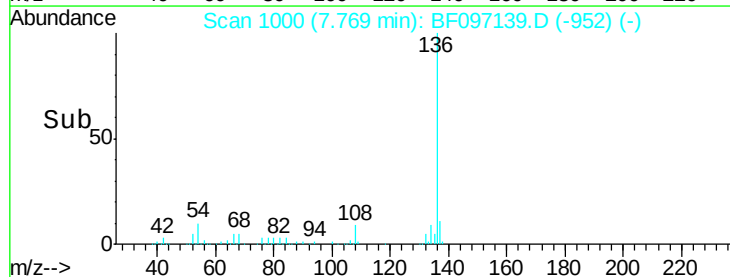
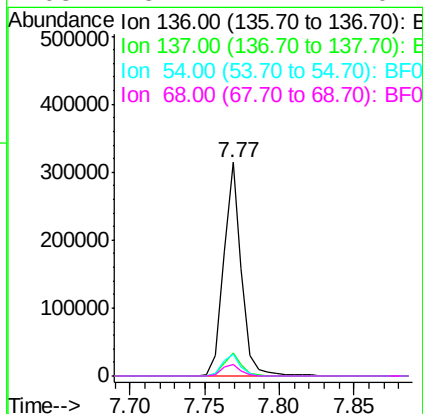
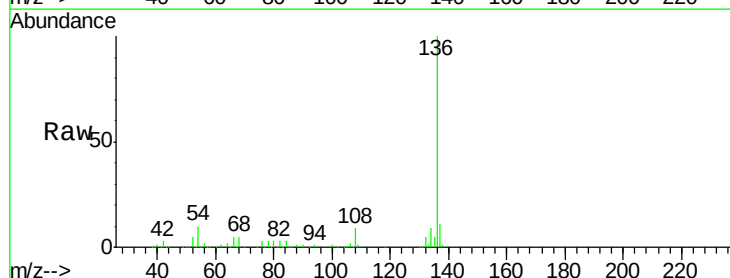
Instrument :
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ClientSampleId :
AU-06-072417-D

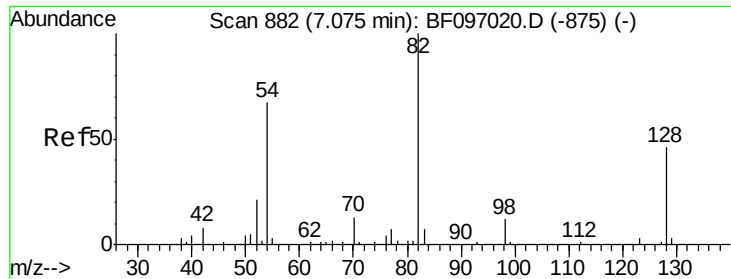
Tot Ion: 70 Resp: 35778
Ion Ratio Lower Upper
70 100
42 62.2 47.2 70.8
101 0.0 7.2 10.8#
130 2.4 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.77 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Tgt Ion:136 Resp: 262826
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 10.4 4.9 7.3#
68 5.4 4.1 6.1

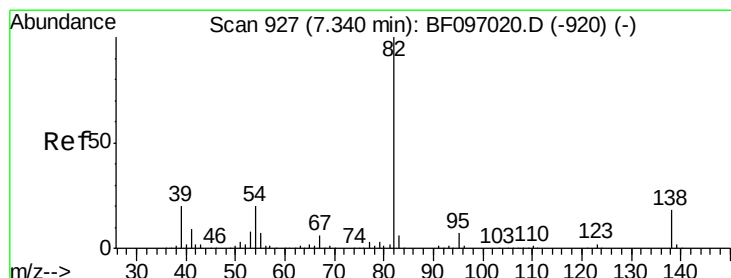
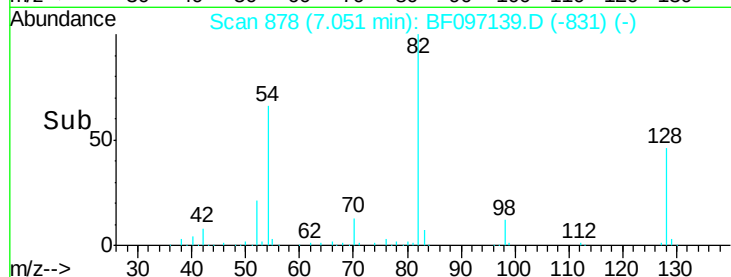
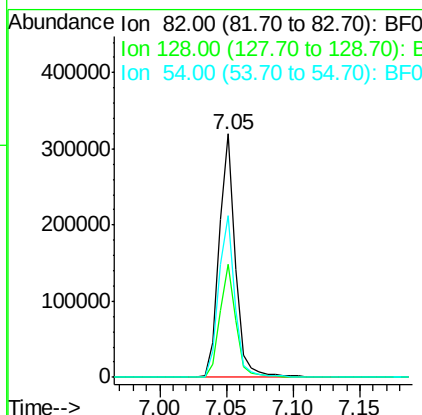
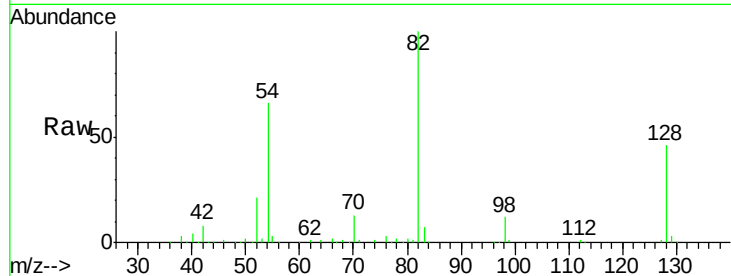




#23
 Nitrobenzene-d5
 Concen: 61.57 ng
 RT: 7.05 min Scan# 878
 Delta R.T. -0.02 min
 Lab File: BF097139.D
 Acq: 27 Jul 2017 23:01

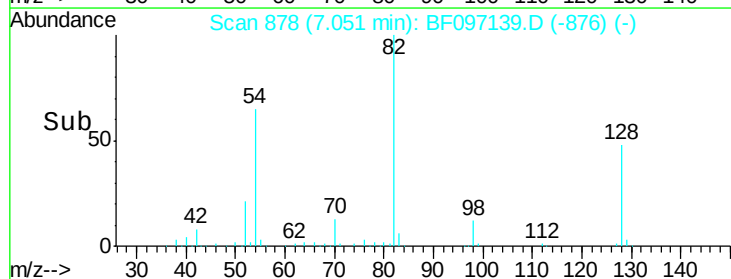
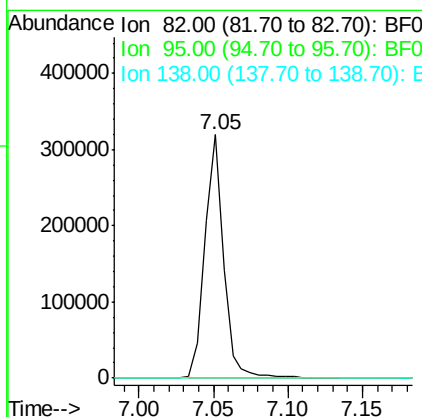
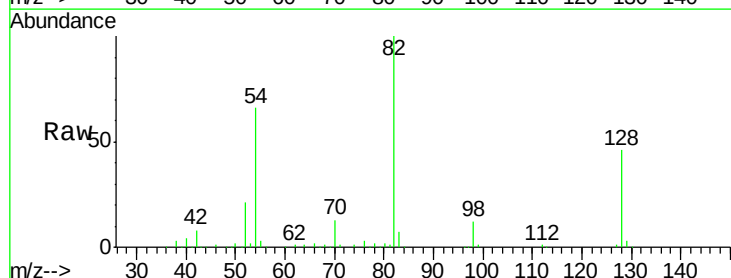
Instrument :
 BNA_F
 ClientSampleId :
 AU-06-072417-D

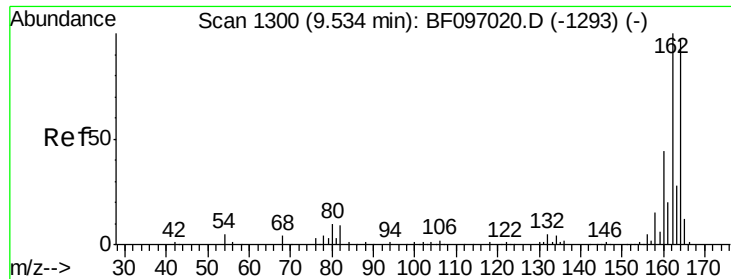
Tot Ion: 82 Resp: 275850
 Ion Ratio Lower Upper
 82 100
 128 46.2 34.0 51.0
 54 66.2 42.2 63.2#



#25
 Isophorone
 Concen: 30.95 ng
 RT: 7.05 min Scan# 878
 Delta R.T. -0.29 min
 Lab File: BF097139.D
 Acq: 27 Jul 2017 23:01

Tgt Ion: 82 Resp: 271550
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.51 min Scan# 1296

Delta R.T. -0.02 min

Lab File: BF097139.D

Acq: 27 Jul 2017 23:01

Instrument :

BNA_F

ClientSampleId :

AU-06-072417-D

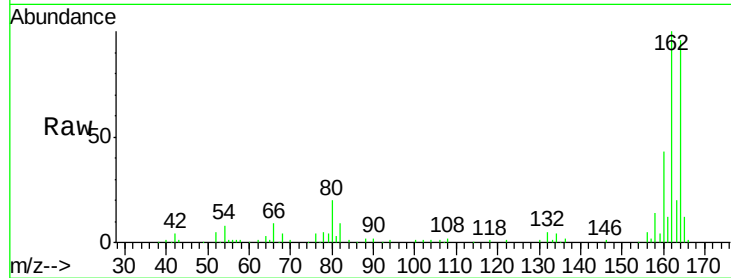
Tot Ion:164 Resp: 90163

Ion Ratio Lower Upper

164 100

162 104.4 82.6 123.8

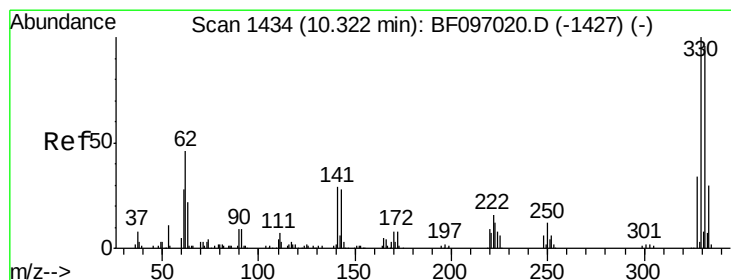
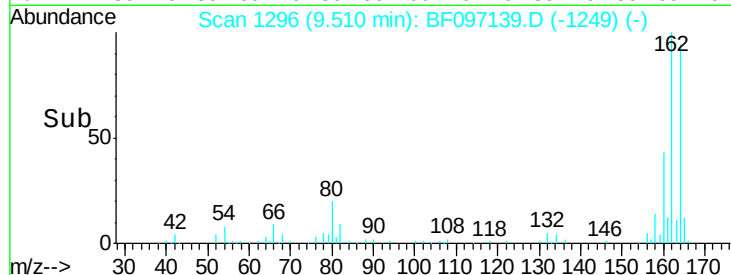
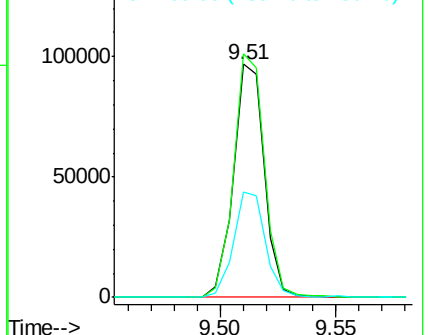
160 45.1 36.2 54.2



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: 91.02 ng

RT: 10.30 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BF097139.D

Acq: 27 Jul 2017 23:01

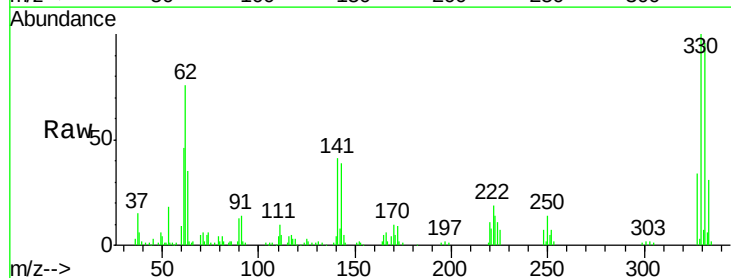
Tgt Ion:330 Resp: 64839

Ion Ratio Lower Upper

330 100

332 94.7 76.6 115.0

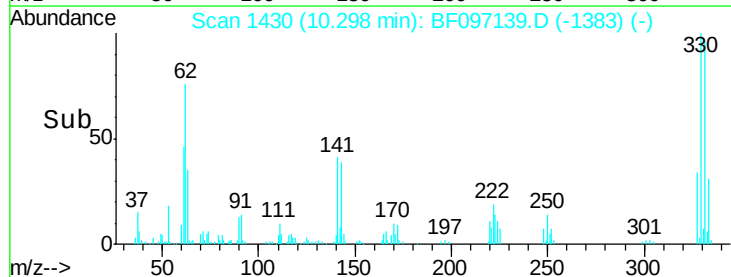
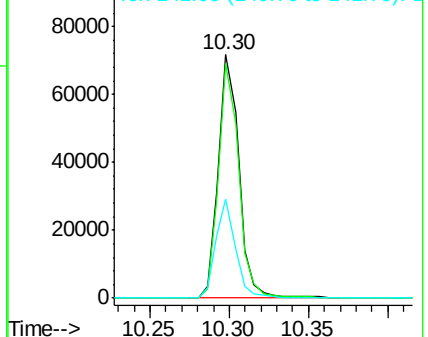
141 38.6 31.4 47.2

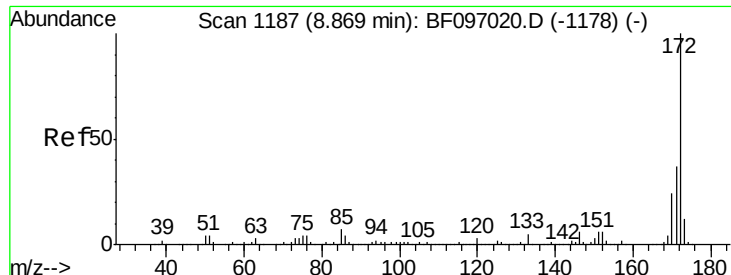


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

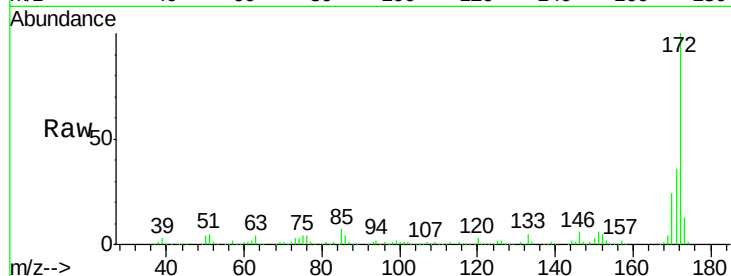




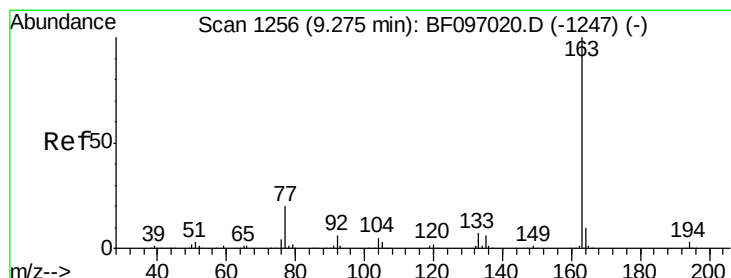
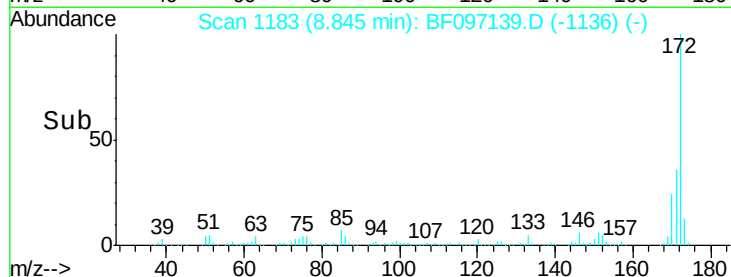
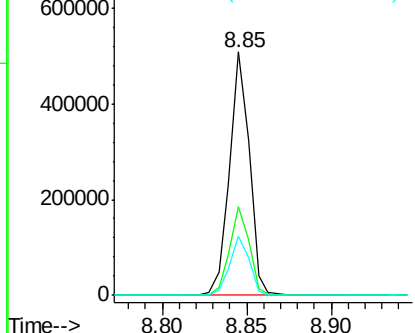
#44
2-Fluorobiphenyl
Concen: 77.96 ng
RT: 8.85 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

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Tot Ion:172 Resp: 414178
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 24.2 19.8 29.8

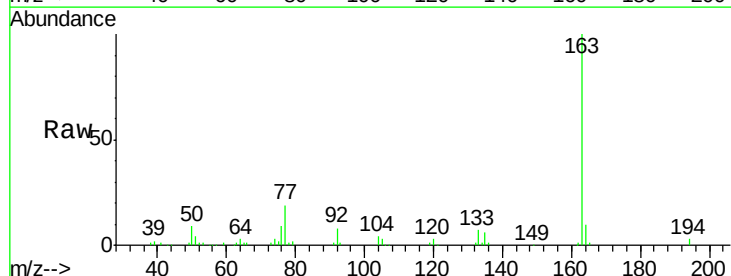


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

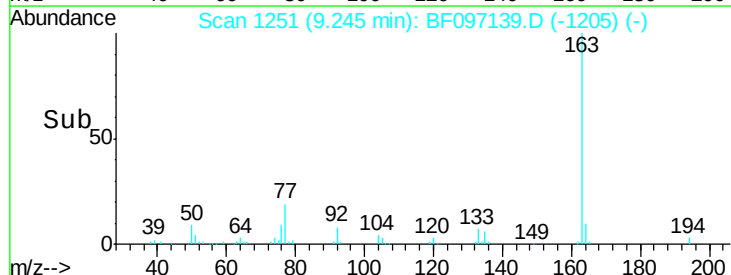
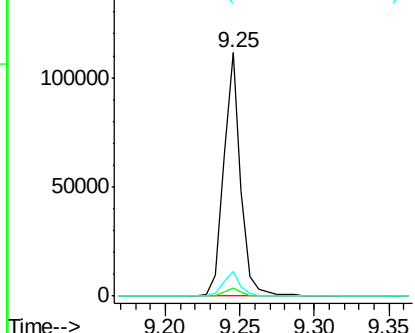


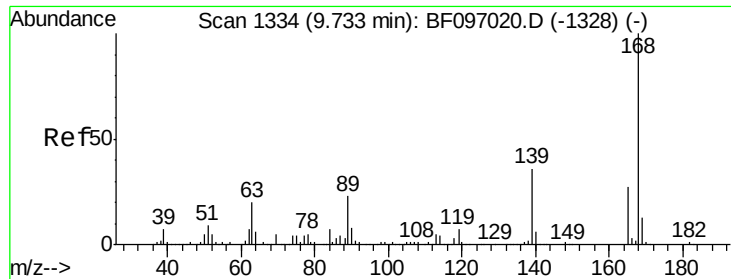
#49
Dimethylphthalate
Concen: 12.93 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Tgt Ion:163 Resp: 88541
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.3 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

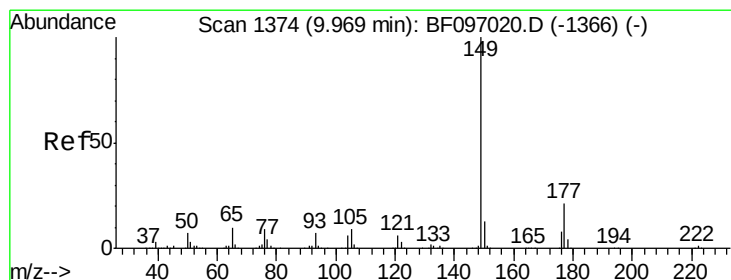
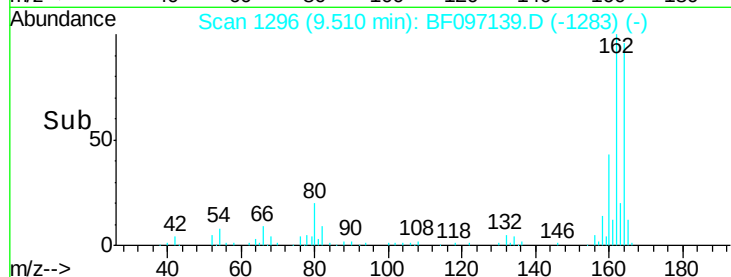
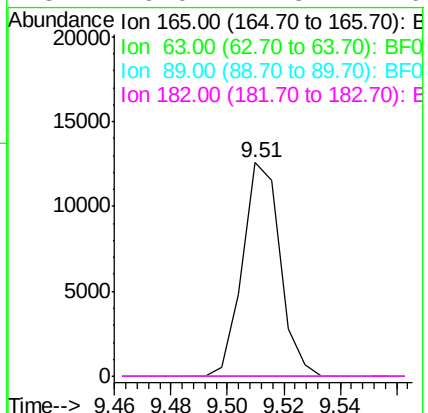
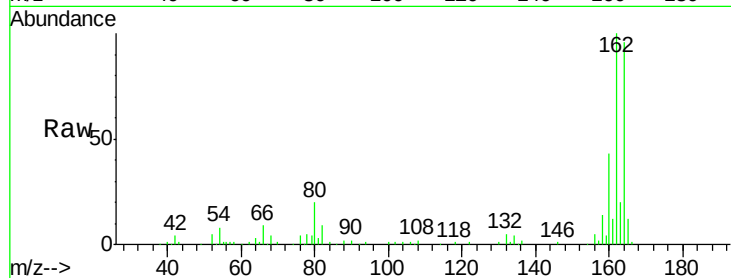




#56
2,4-Dinitrotoluene
Concen: 6.96 ng
RT: 9.51 min Scan# 1296
Delta R.T. -0.22 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

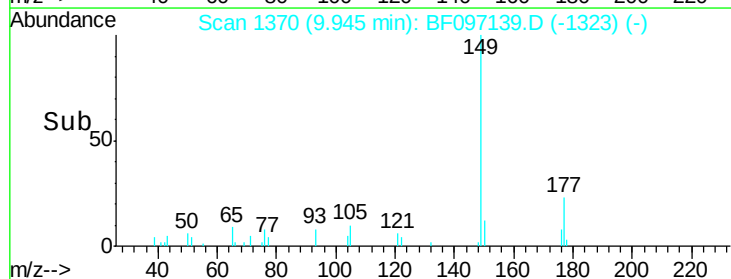
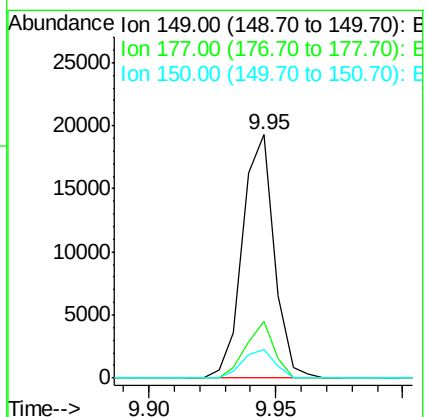
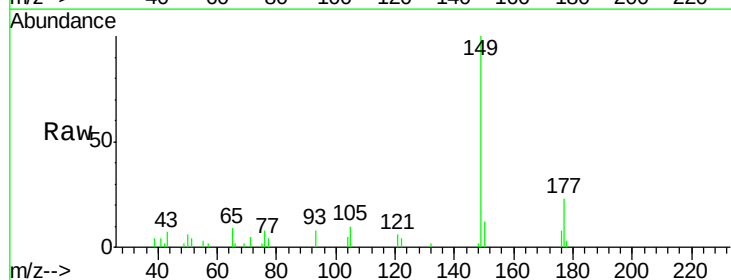
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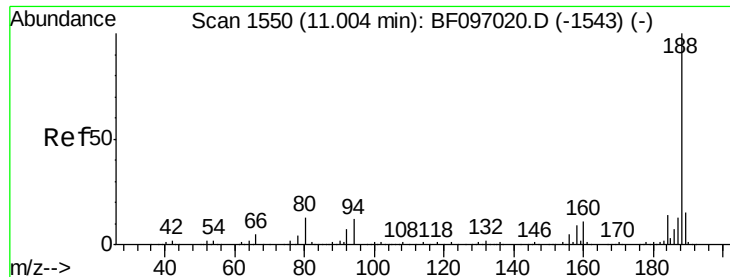
Tot Ion:	165	Resp:	11627
Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#



#59
Diethylphthalate
Concen: 2.67 ng
RT: 9.95 min Scan# 1370
Delta R.T. -0.02 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Tgt Ion:	149	Resp:	16770
Ion	Ratio	Lower	Upper
149	100		
177	23.3	16.7	25.1
150	12.0	10.2	15.2

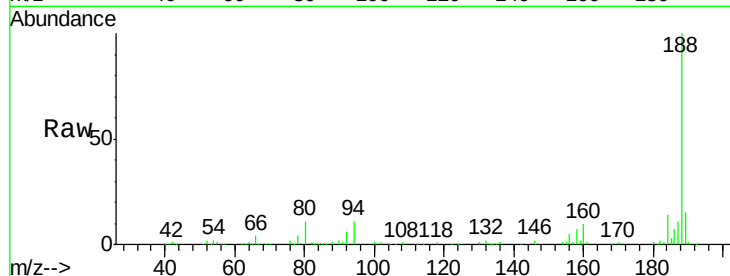




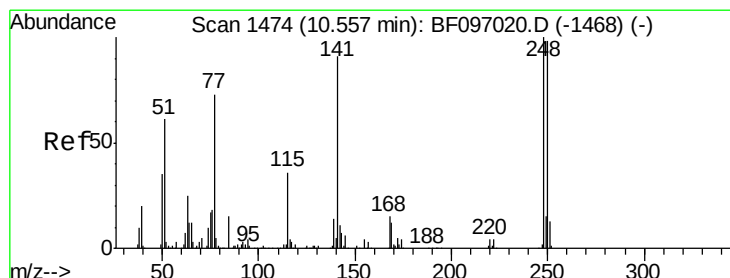
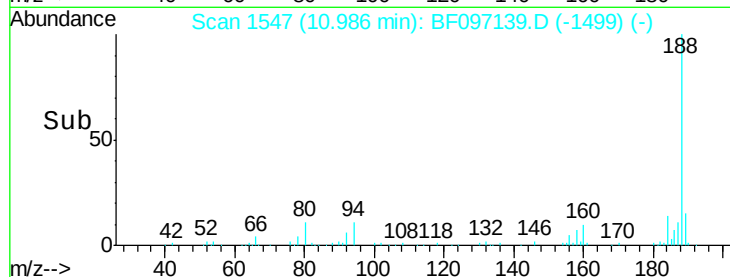
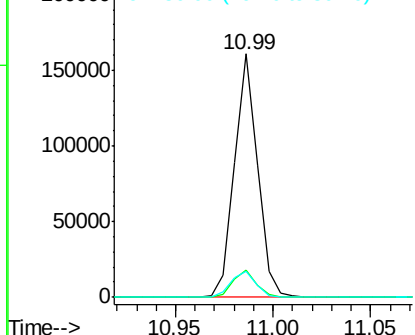
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.99 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Instrument :
BNA_F
ClientSampleId :
AU-06-072417-D

Tot Ion:188 Resp: 132406
Ion Ratio Lower Upper
188 100
94 11.2 9.4 14.2
80 10.9 10.2 15.2

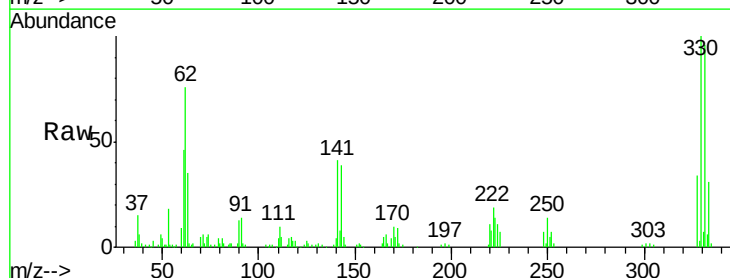


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

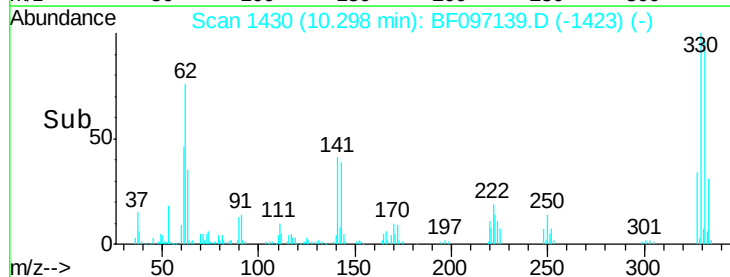
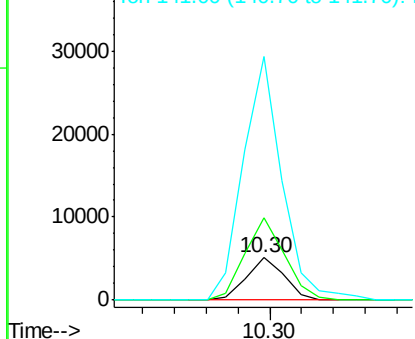


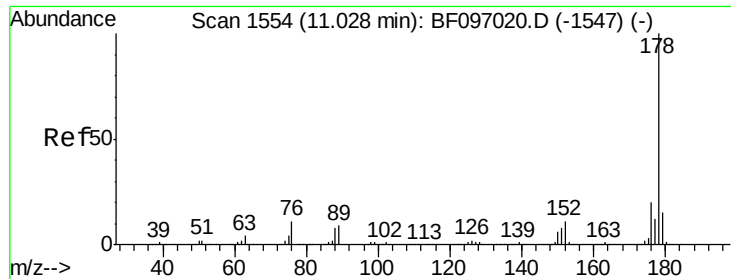
#66
4-Bromophenyl-phenylether
Concen: 3.22 ng
RT: 10.30 min Scan# 1430
Delta R.T. -0.26 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Tgt Ion:248 Resp: 4253
Ion Ratio Lower Upper
248 100
250 195.1 76.8 115.2#
141 574.3 68.6 103.0#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

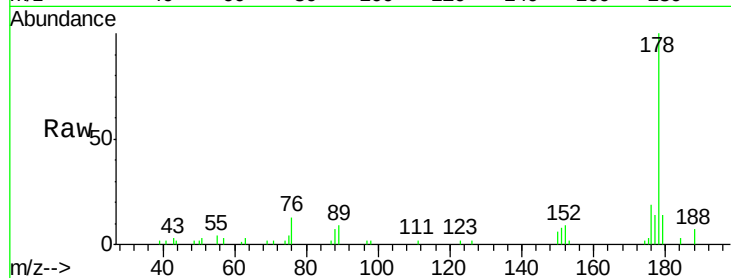




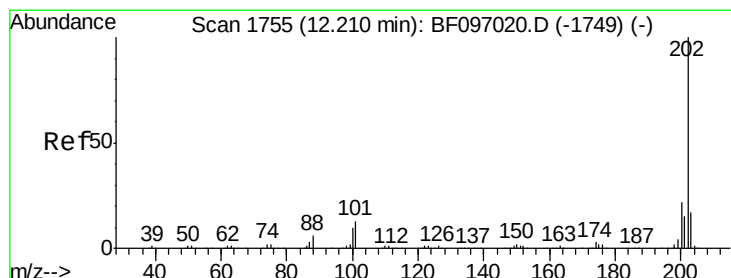
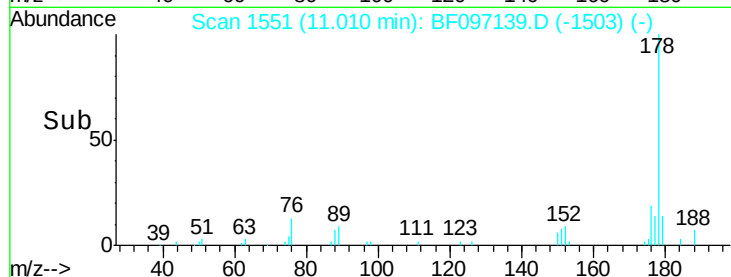
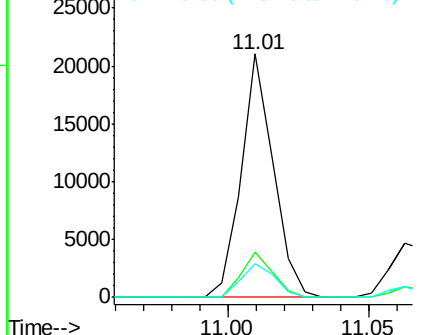
#70
Phenanthrene
Concen: 2.35 ng
RT: 11.01 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Instrument :
BNA_F
ClientSampleId :
AU-06-072417-D

Tot Ion:178 Resp: 16637
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.4
179 13.9 12.6 19.0

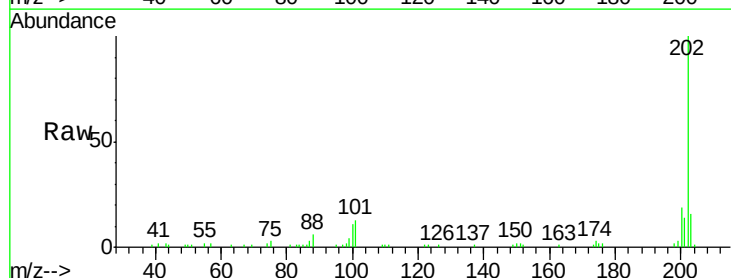


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

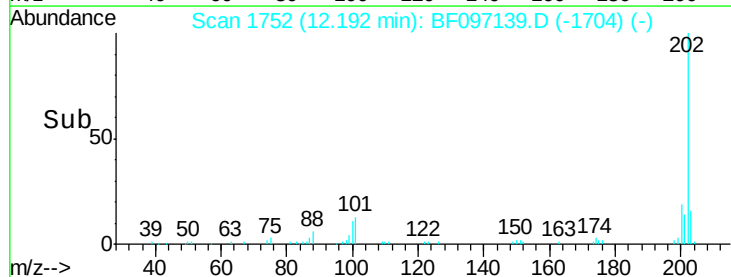
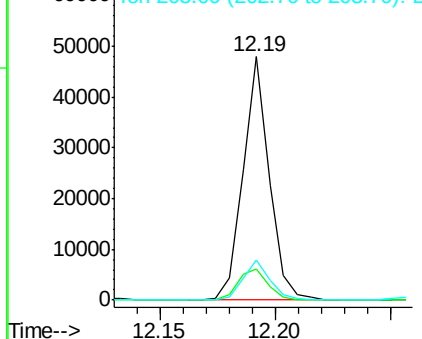


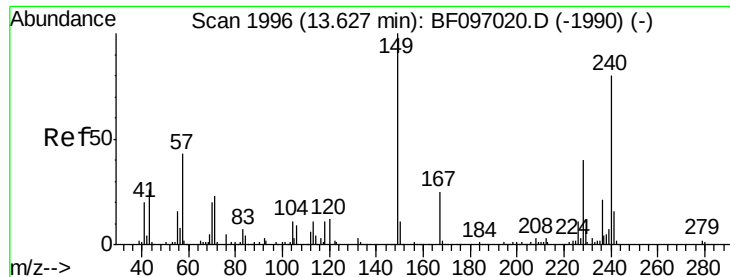
#74
Fluoranthene
Concen: 5.45 ng
RT: 12.19 min Scan# 1752
Delta R.T. -0.02 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Tgt Ion:202 Resp: 37851
Ion Ratio Lower Upper
202 100
101 12.6 0.0 33.2
203 16.3 0.0 38.1



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: 13.61 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF097139.D

Acq: 27 Jul 2017 23:01

Instrument :

BNA_F

ClientSampleId :

AU-06-072417-D

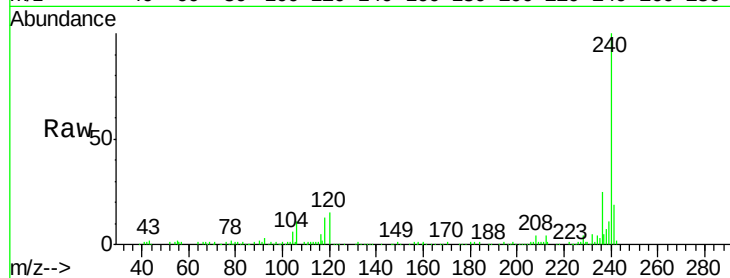
Tot Ion:240 Resp: 122559

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

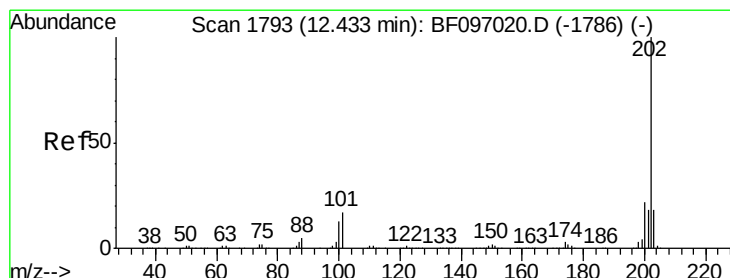
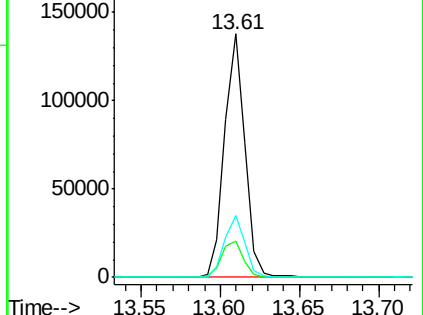
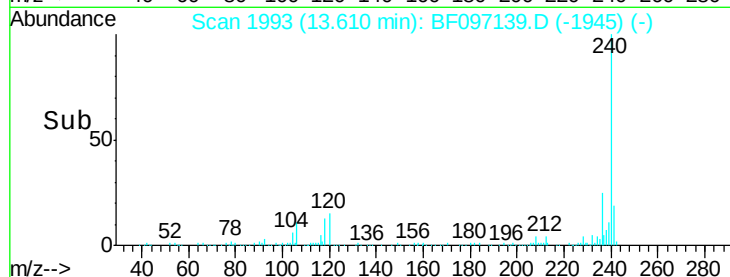
236 25.4 20.5 30.7



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: 3.33 ng

RT: 12.42 min Scan# 1790

Delta R.T. -0.02 min

Lab File: BF097139.D

Acq: 27 Jul 2017 23:01

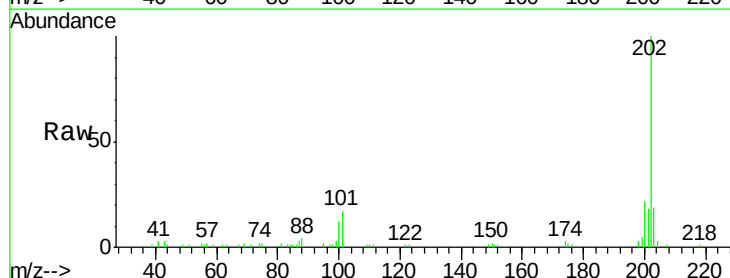
Tgt Ion:202 Resp: 33397

Ion Ratio Lower Upper

202 100

200 22.1 17.6 26.4

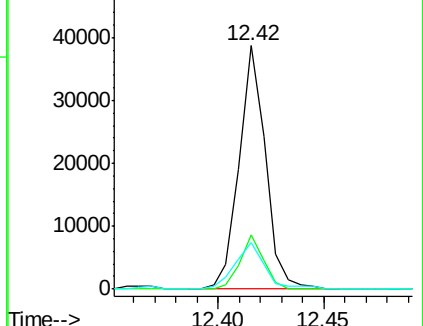
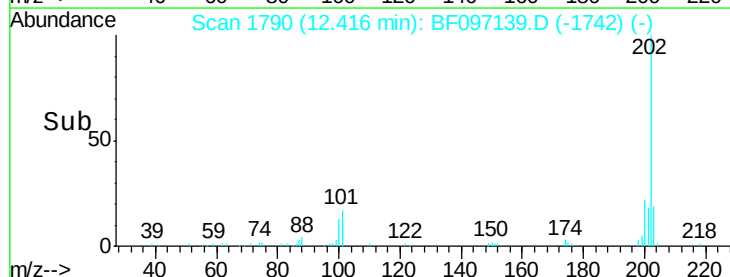
203 18.9 14.4 21.6

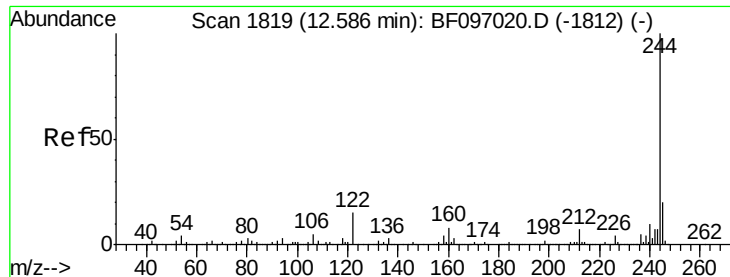


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 39.06 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF097139.D

Acq: 27 Jul 2017 23:01

Instrument :

BNA_F

ClientSampleId :

AU-06-072417-D

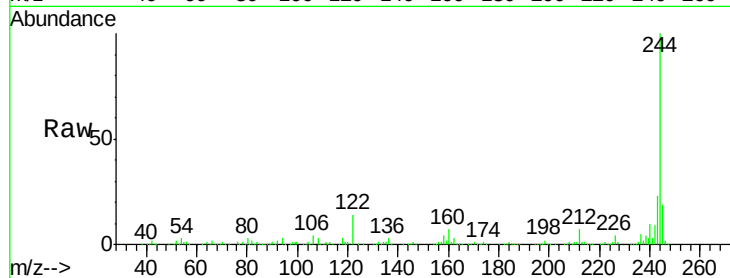
Tot Ion:244 Resp: 234801

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

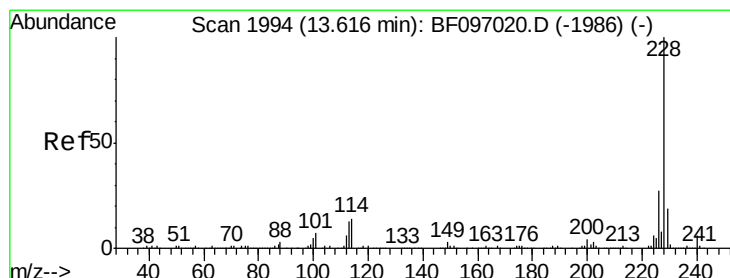
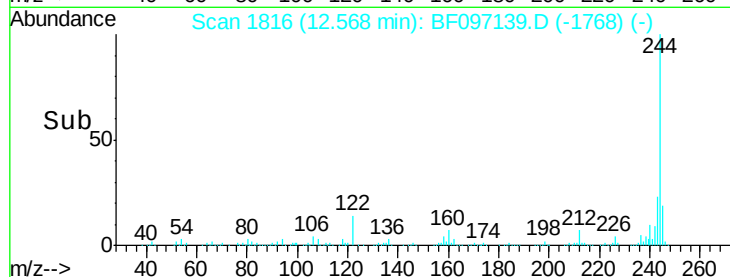
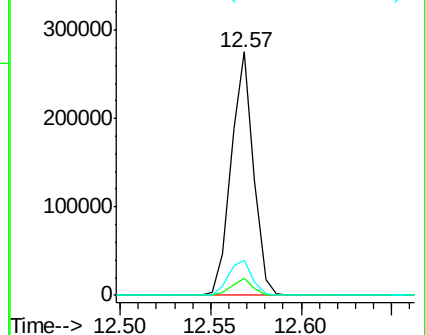
122 14.1 10.3 15.5



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: 2.50 ng

RT: 13.60 min Scan# 1991

Delta R.T. -0.02 min

Lab File: BF097139.D

Acq: 27 Jul 2017 23:01

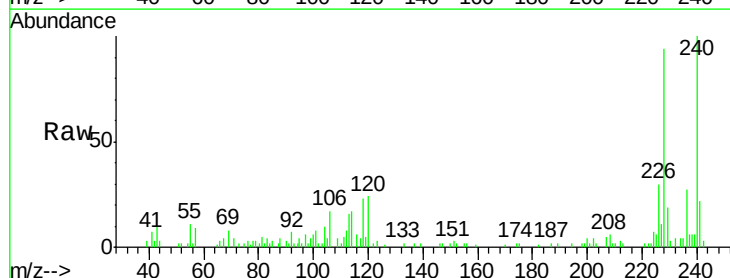
Tgt Ion:228 Resp: 19818

Ion Ratio Lower Upper

228 100

226 31.9 22.6 33.8

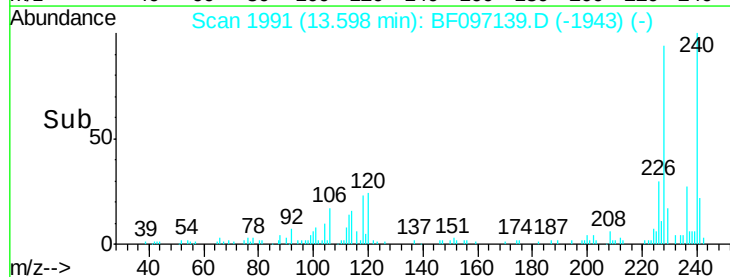
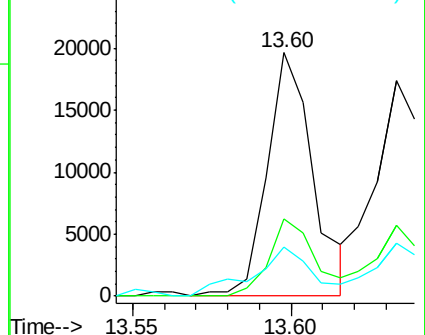
229 20.0 16.3 24.5

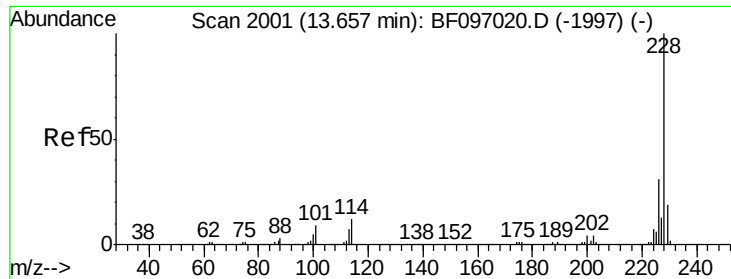


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

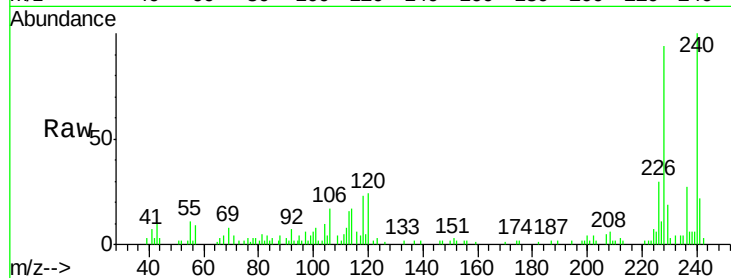




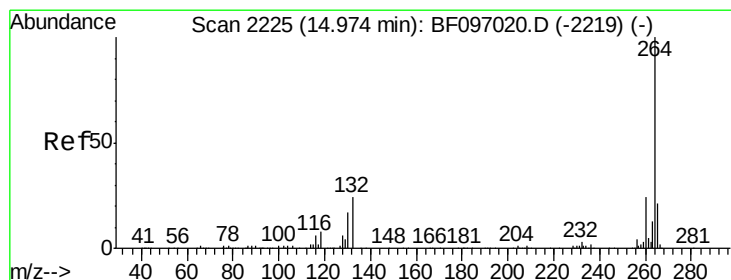
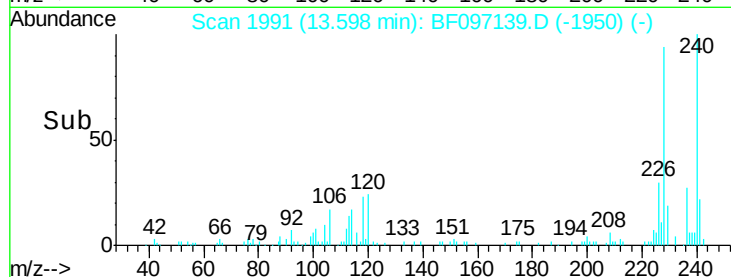
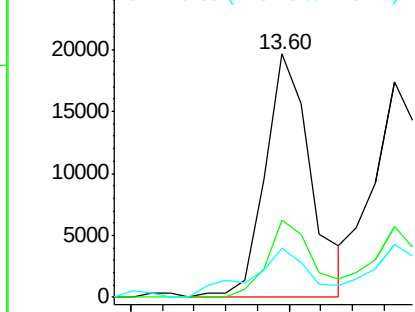
#82
Chrysene
Concen: 2.56 ng
RT: 13.60 min Scan# 1991
Delta R.T. -0.06 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Instrument :
BNA_F
ClientSampleId :
AU-06-072417-D

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.9	37.3
229	20.0	15.8	23.6

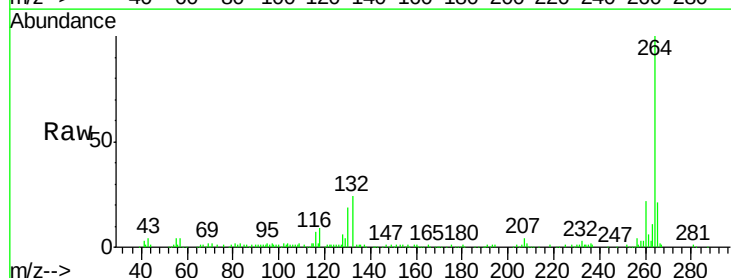


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

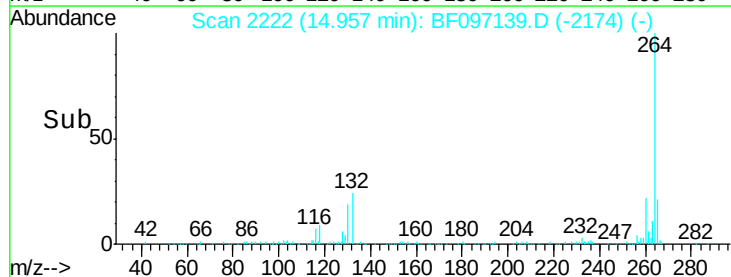
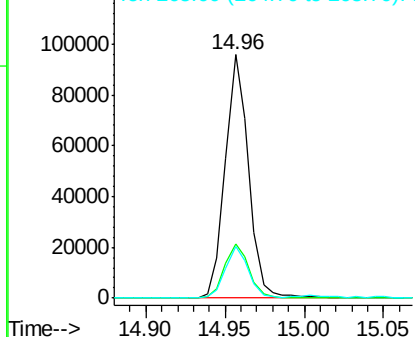


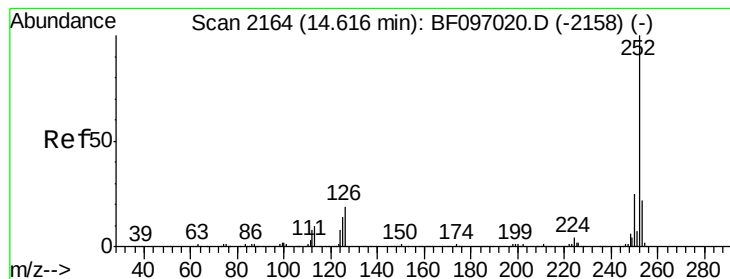
#86
Perylene-d12
Concen: 20.00 ng
RT: 14.96 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.5	29.3
265	21.3	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: 5.65 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BF097139.D

Acq: 27 Jul 2017 23:01

Instrument :

BNA_F

ClientSampleId :

AU-06-072417-D

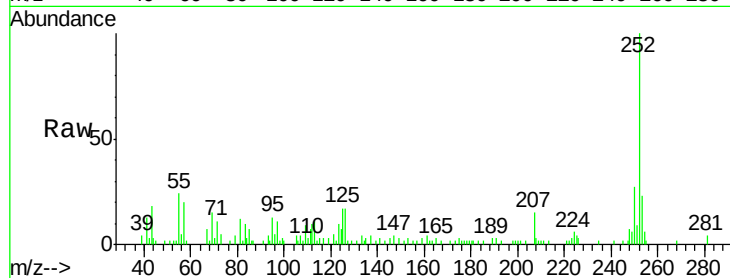
Tot Ion:252 Resp: 33185

Ion Ratio Lower Upper

252 100

253 23.2 18.1 27.1

125 16.7 9.8 14.8#

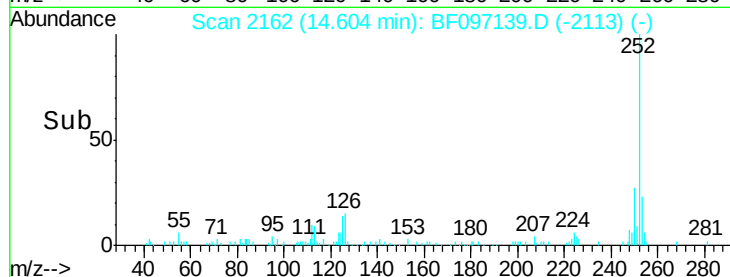


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



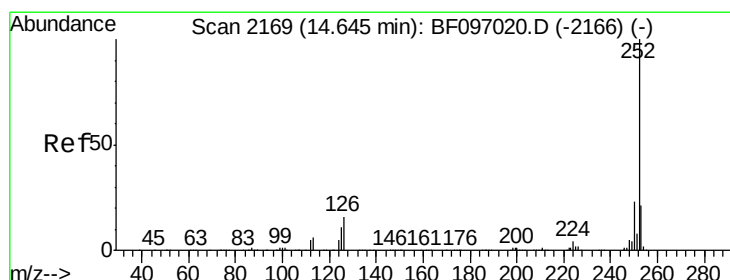
Abundance

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

Time-->



#88

Benzo(k)fluoranthene

Concen: 5.93 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.04 min

Lab File: BF097139.D

Acq: 27 Jul 2017 23:01

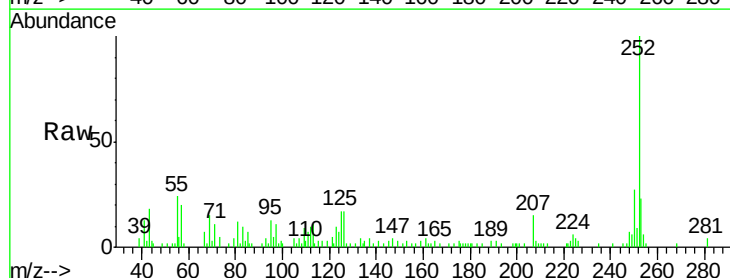
Tgt Ion:252 Resp: 33185

Ion Ratio Lower Upper

252 100

253 23.2 18.4 27.6

125 16.7 13.1 19.7

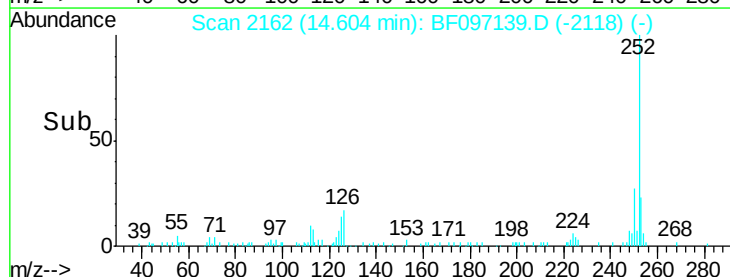


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



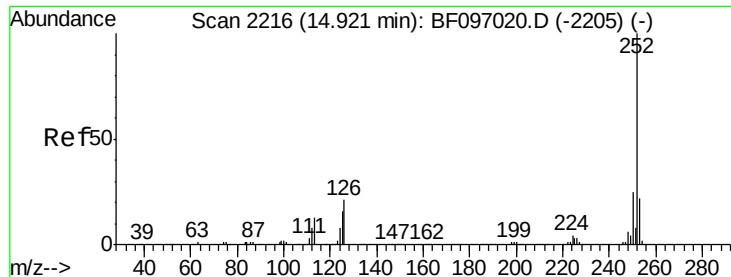
Abundance

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

Time-->



#89

Benzo(a)pyrene

Concen: 3.06 ng

RT: 14.91 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BF097139.D

Acq: 27 Jul 2017 23:01

Instrument :

BNA_F

ClientSampleId :

AU-06-072417-D

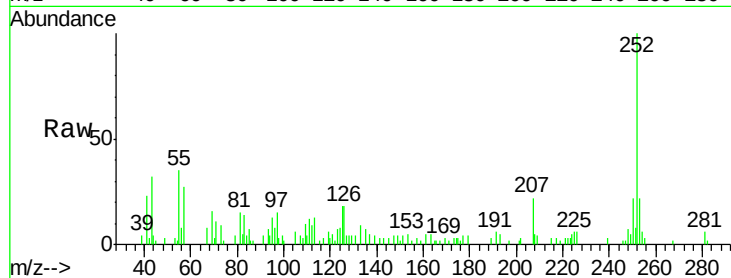
Tot Ion: 252 Resp: 16415

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 17.6 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

