

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
 Data File : BF097588.D
 Acq On : 11 Aug 2017 5:59
 Operator : SJ/JU
 Sample : I4646-04DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-L8-BASE

Quant Time: Aug 11 07:20:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

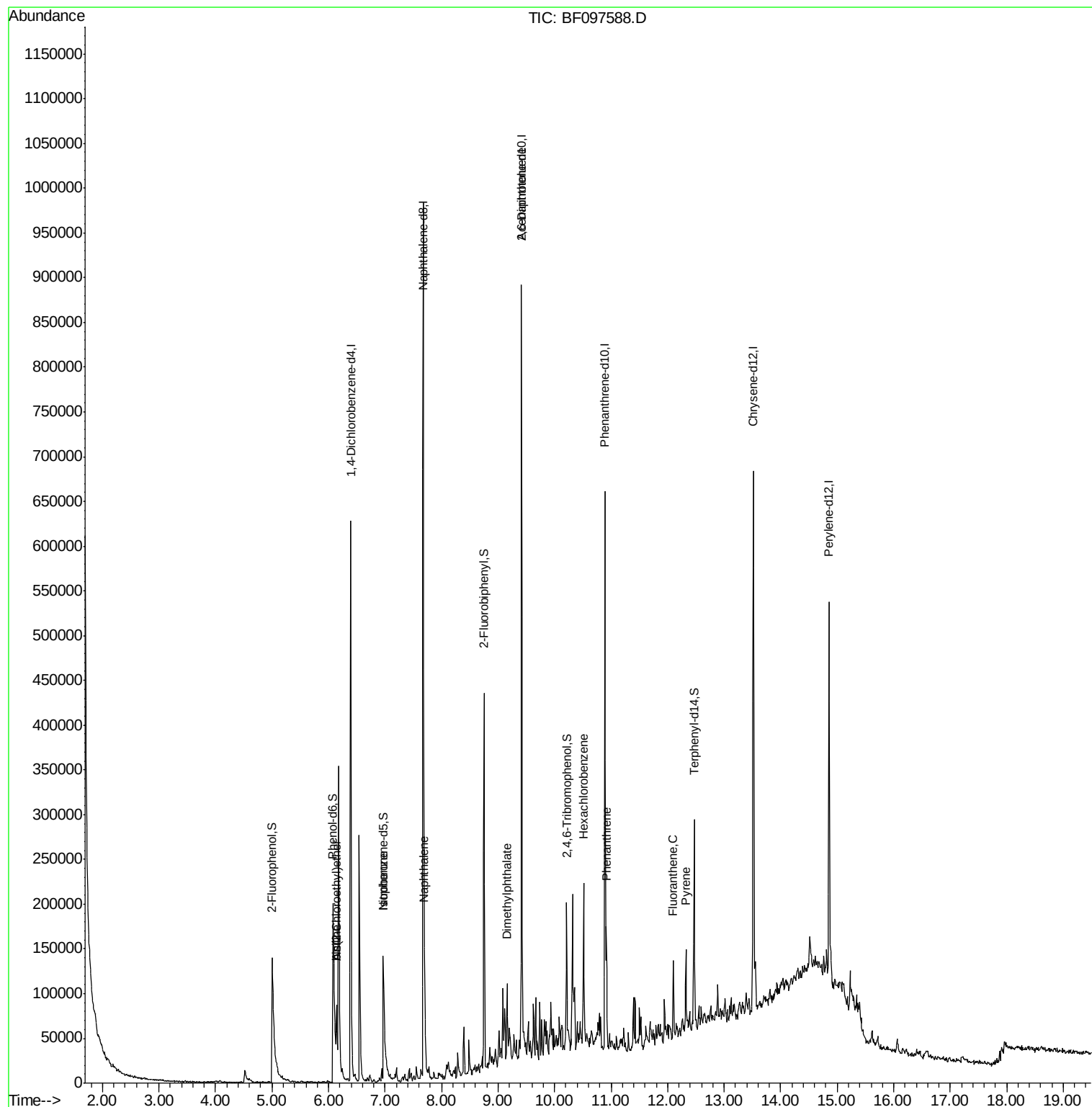
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.39	152	110737	20.00	ng	-0.02
21) Naphthalene-d8	7.67	136	434560	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	156268	20.00	ng	-0.02
63) Phenanthrene-d10	10.89	188	209403	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	209172	20.00	ng	-0.02
86) Perylene-d12	14.86	264	162369	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	108648	14.79	ng	0.00
7) Phenol-d6	6.08	99	151325	18.04	ng	0.00
23) Nitrobenzene-d5	6.97	82	86025	11.61	ng	-0.02
41) 2,4,6-Tribromophenol	10.21	330	15312	12.40	ng	-0.02
44) 2-Fluorobiphenyl	8.75	172	121784	13.23	ng	-0.02
78) Terphenyl-d14	12.47	244	67518	6.58	ng	-0.03
Target Compounds						
6) Aniline	6.14	93	25759	2.44	ng	# 53
11) bis(2-Chloroethyl)ether	6.14	93	25759	3.27	ng	89
25) Isophorone	6.97	82	86025	5.93	ng	# 67
31) Naphthalene	7.70	128	58577	2.86	ng	99
49) Dimethylphthalate	9.16	163	32411	2.73	ng	# 98
50) 2,6-Dinitrotoluene	9.42	165	20982	8.34	ng	# 36
67) Hexachlorobenzene	10.52	284	21517	9.18	ng	# 89
70) Phenanthrene	10.92	178	53455	4.76	ng	99
74) Fluoranthene	12.10	202	31838	2.90	ng	95
77) Pyrene	12.32	202	37246	2.18	ng	98

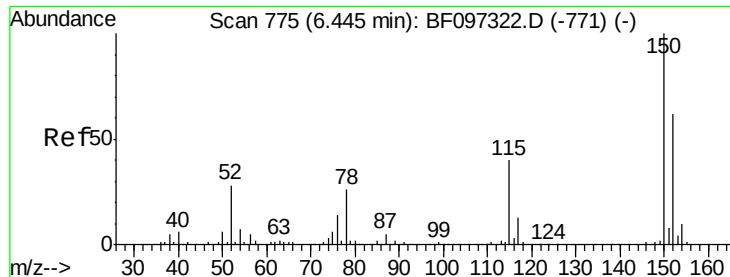
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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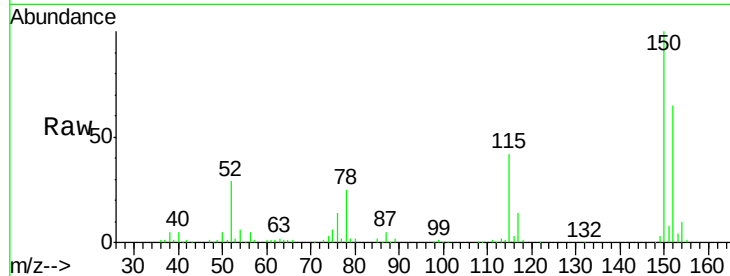


#1

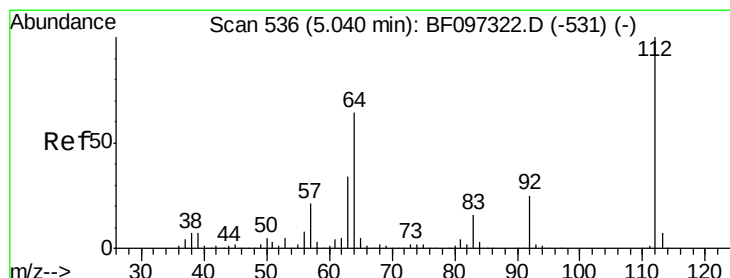
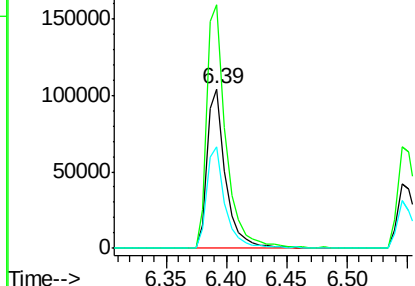
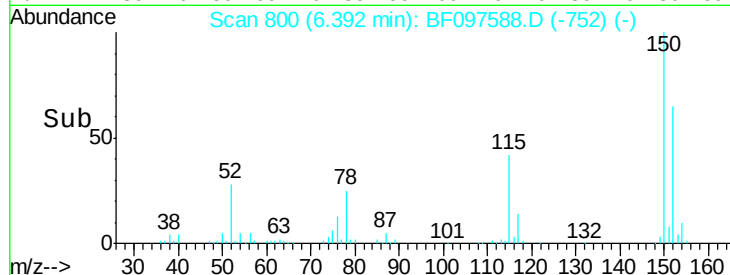
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.39 min Scan# 800
Delta R.T. -0.02 min
Lab File: BF097588.D
Acq: 11 Aug 2017 5:59

Instrument :
BNA_F
ClientSampleId :
E2-L8-BASE

Tot Ion:152 Resp: 110737
Ion Ratio Lower Upper
152 100
150 152.9 126.2 189.2
115 63.8 52.2 78.2



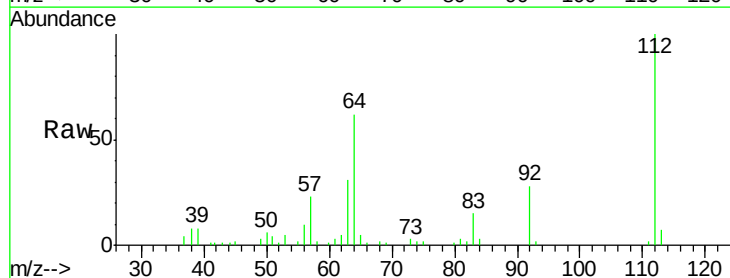
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



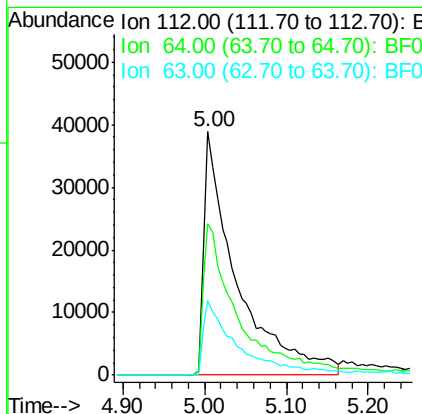
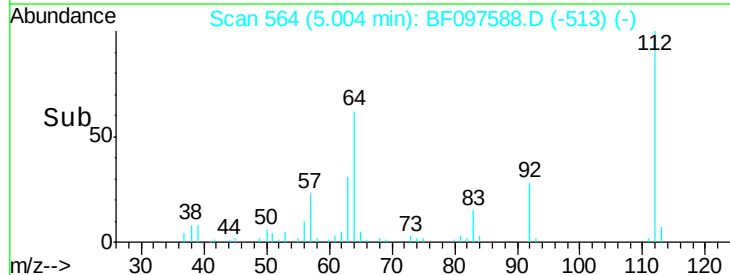
#5

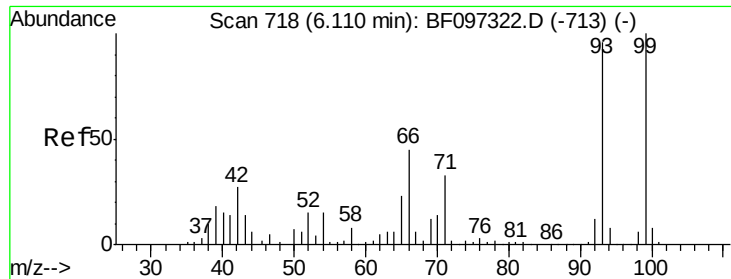
2-Fluorophenol
Concen: 14.79 ng
RT: 5.00 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF097588.D
Acq: 11 Aug 2017 5:59

Tgt Ion:112 Resp: 108648
Ion Ratio Lower Upper
112 100
64 62.0 46.0 69.0
63 30.6 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





#6

Aniline

Concen: 2.44 ng

RT: 6.14 min Scan# 757

Delta R.T. 0.06 min

Lab File: BF097588.D

Acq: 11 Aug 2017 5:59

Instrument :

BNA_F

ClientSampleId :

E2-L8-BASE

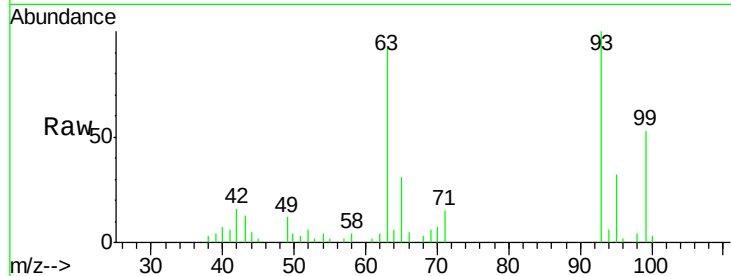
Tot Ion: 93 Resp: 25759

Ion Ratio Lower Upper

93 100

66 4.7 32.9 49.3#

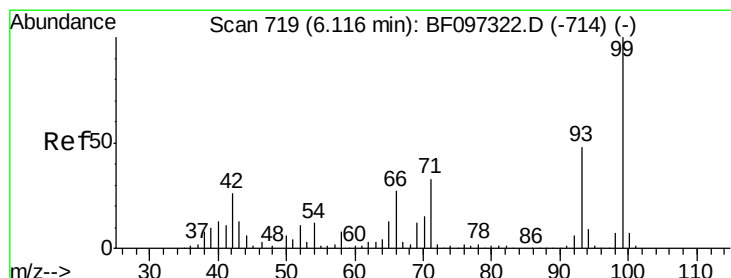
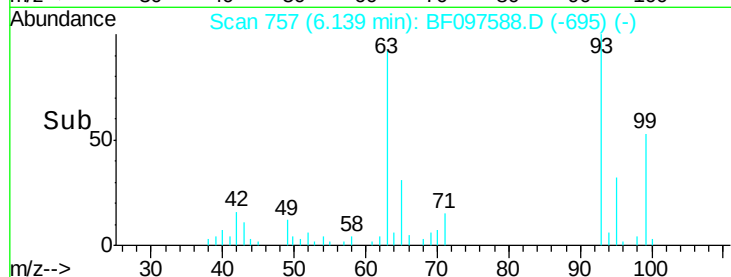
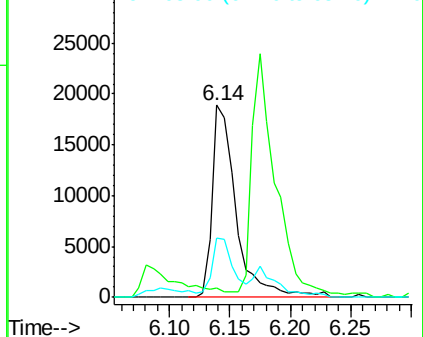
65 30.7 16.0 24.0#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 18.04 ng

RT: 6.08 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF097588.D

Acq: 11 Aug 2017 5:59

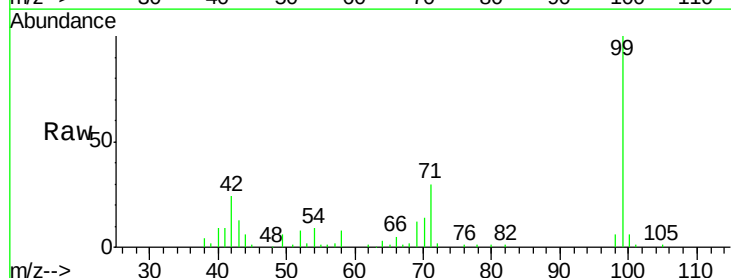
Tgt Ion: 99 Resp: 151325

Ion Ratio Lower Upper

99 100

42 24.0 13.5 20.3#

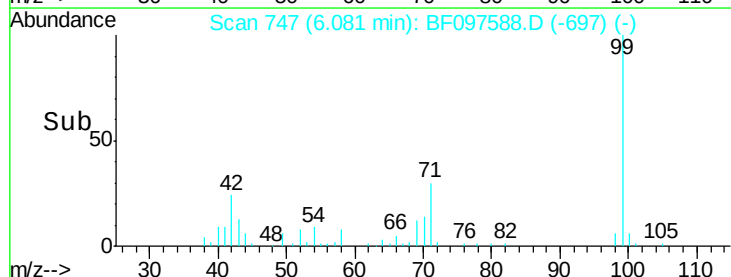
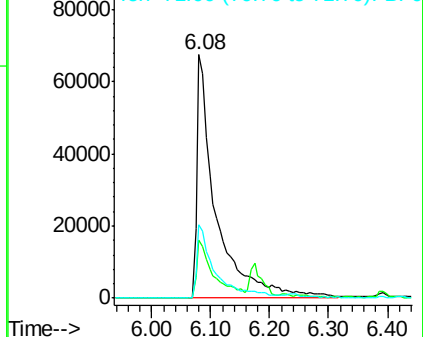
71 30.0 24.5 36.7

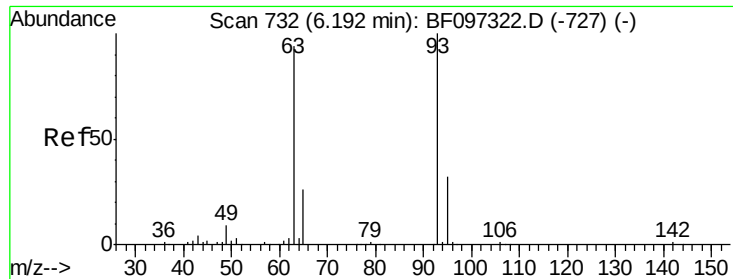


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

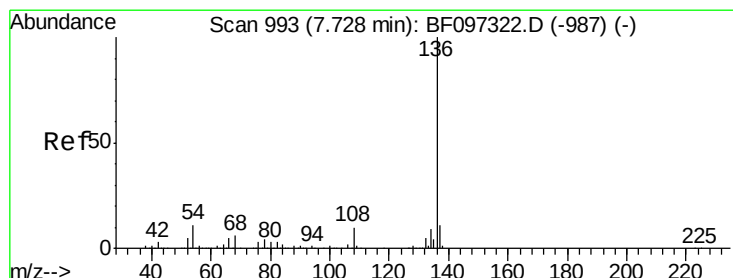
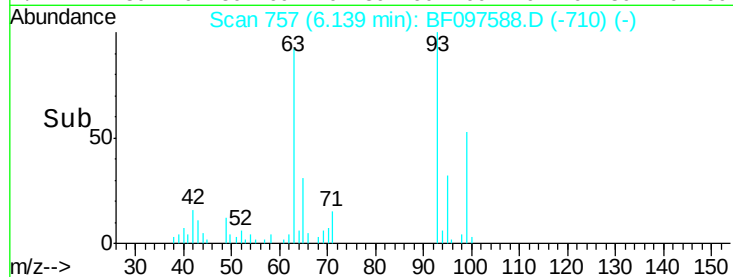
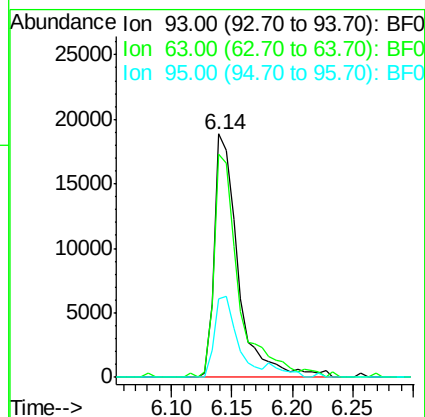
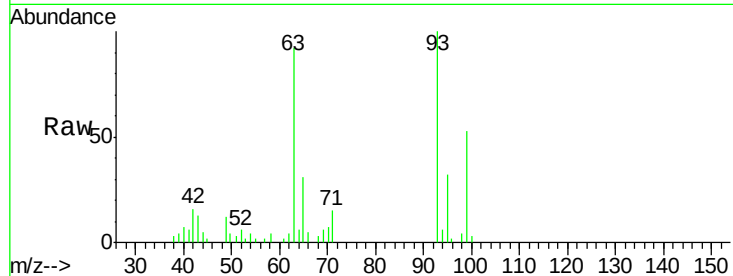




#11
bis(2-Chloroethyl)ether
Concen: 3.27 ng
RT: 6.14 min Scan# 757
Delta R.T. -0.02 min
Lab File: BF097588.D
Acq: 11 Aug 2017 5:59

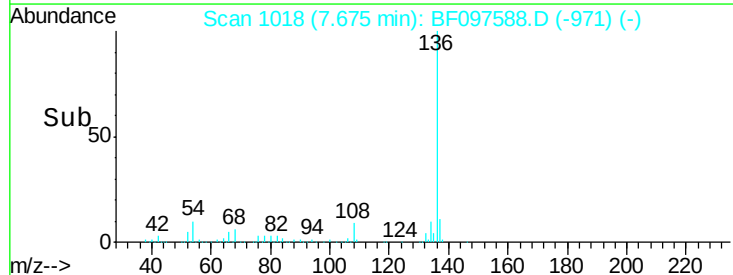
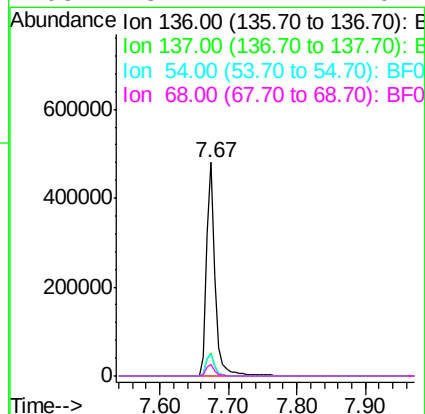
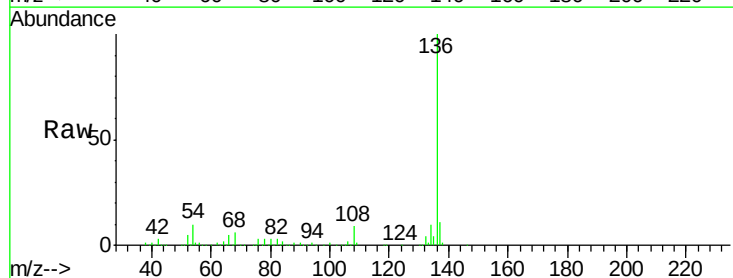
Instrument :
BNA_F
ClientSampleId :
E2-L8-BASE

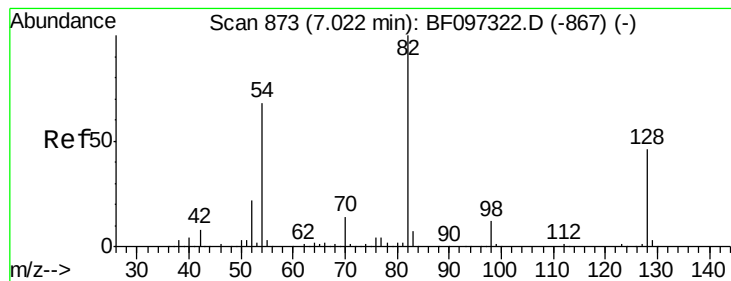
Tot Ion:	93	Resp:	25759
Ion	Ratio	Lower	Upper
93	100		
63	91.9	59.2	99.2
95	32.0	12.8	52.8



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.67 min Scan# 1018
Delta R.T. -0.02 min
Lab File: BF097588.D
Acq: 11 Aug 2017 5:59

Tgt Ion:	136	Resp:	434560
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	10.2	4.9	7.3#
68	5.7	4.1	6.1





#23

Nitrobenzene-d5

Concen: 11.61 ng

RT: 6.97 min Scan# 899

Delta R.T. -0.02 min

Lab File: BF097588.D

Acq: 11 Aug 2017 5:59

Instrument :

BNA_F

ClientSampleId :

E2-L8-BASE

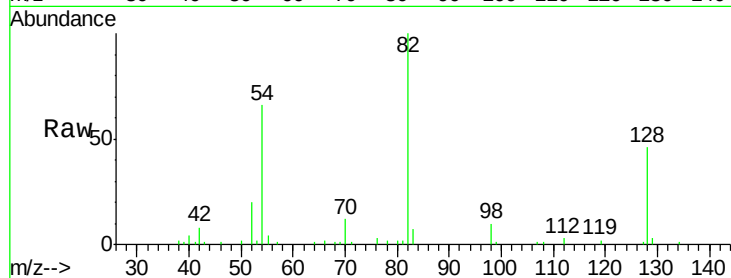
Tot Ion: 82 Resp: 86025

Ion Ratio Lower Upper

82 100

128 46.4 34.0 51.0

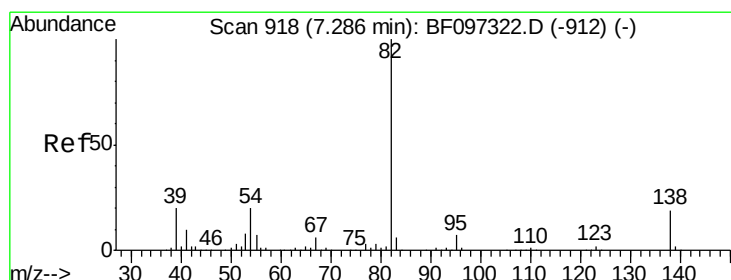
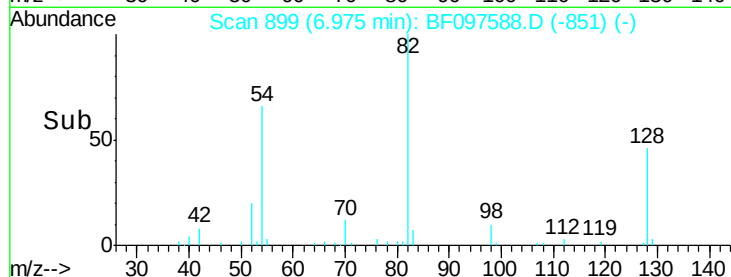
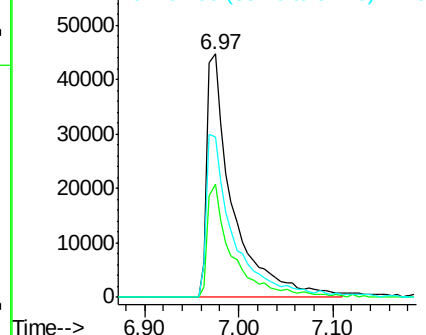
54 65.7 42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 5.93 ng

RT: 6.97 min Scan# 899

Delta R.T. -0.28 min

Lab File: BF097588.D

Acq: 11 Aug 2017 5:59

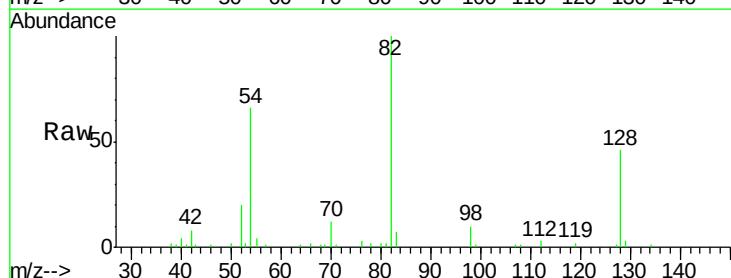
Tgt Ion: 82 Resp: 86025

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

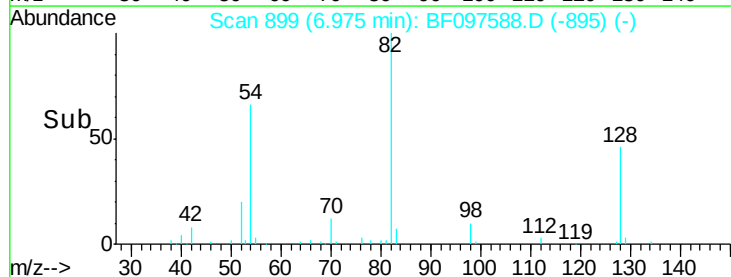
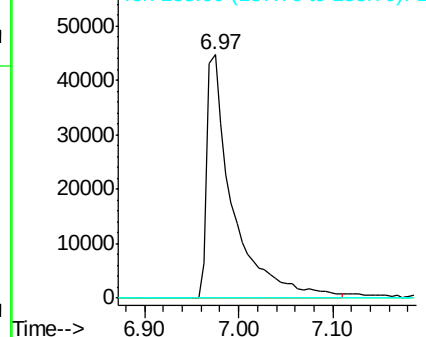
138 0.0 13.1 19.7#

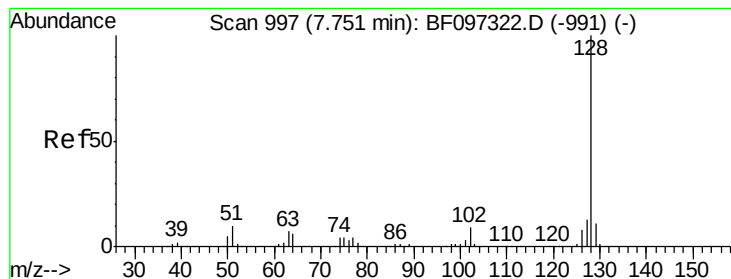


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#31

Naphthalene

Concen: 2.86 ng

RT: 7.70 min Scan# 1022

Delta R.T. -0.02 min

Lab File: BF097588.D

Acq: 11 Aug 2017 5:59

Instrument :

BNA_F

ClientSampleId :

E2-L8-BASE

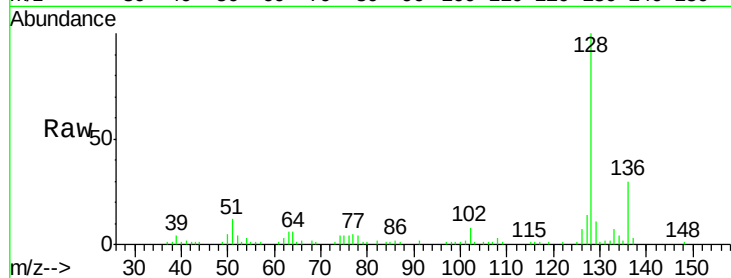
Tot Ion:128 Resp: 58577

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

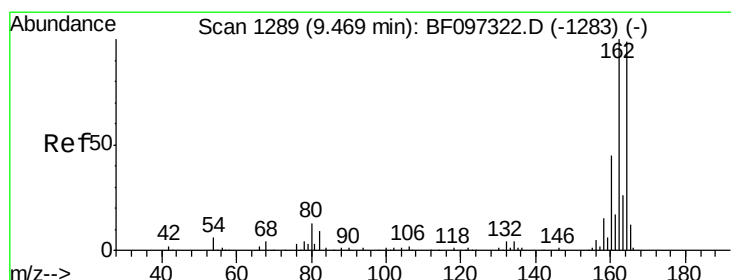
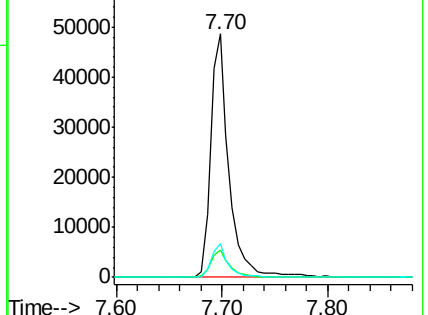
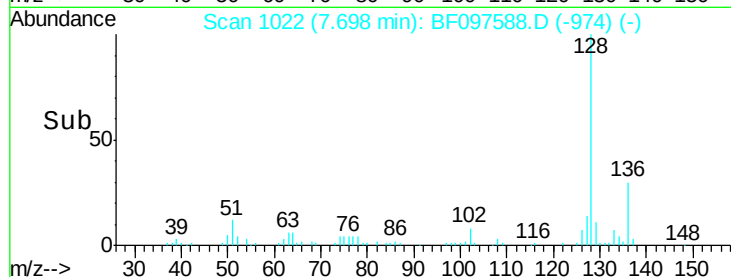
127 14.0 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.42 min Scan# 1314

Delta R.T. -0.02 min

Lab File: BF097588.D

Acq: 11 Aug 2017 5:59

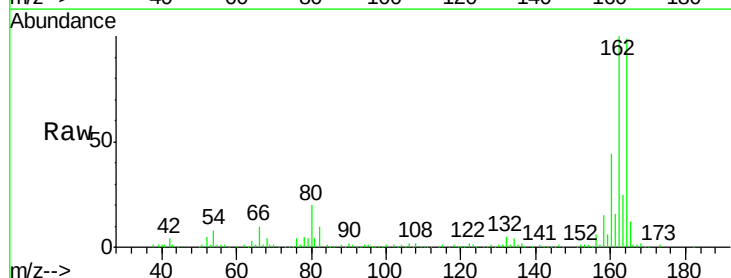
Tgt Ion:164 Resp: 156268

Ion Ratio Lower Upper

164 100

162 100.5 82.6 123.8

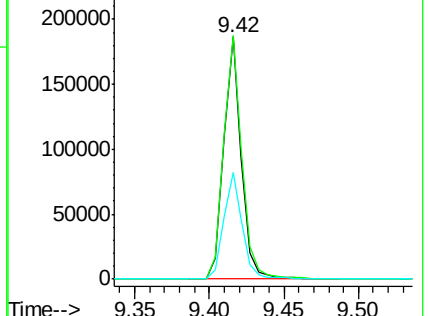
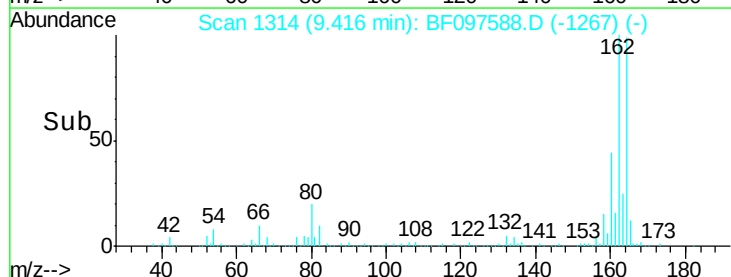
160 44.1 36.2 54.2

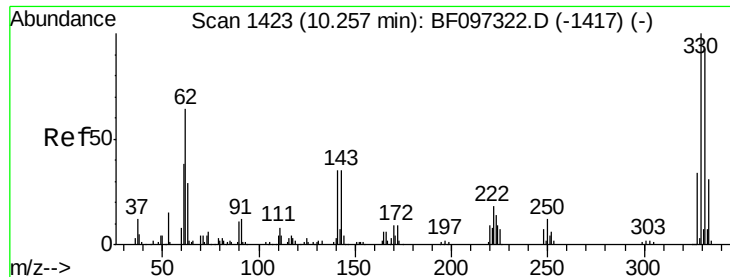


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

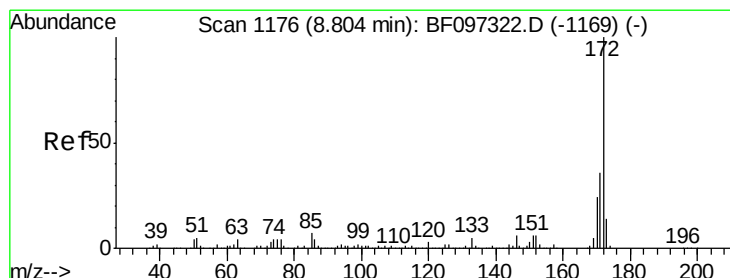
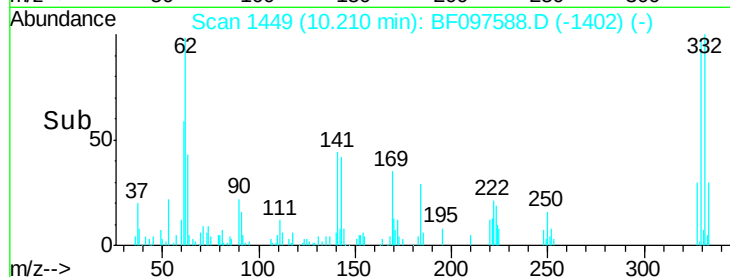
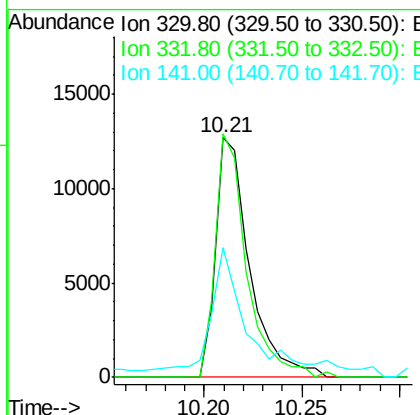
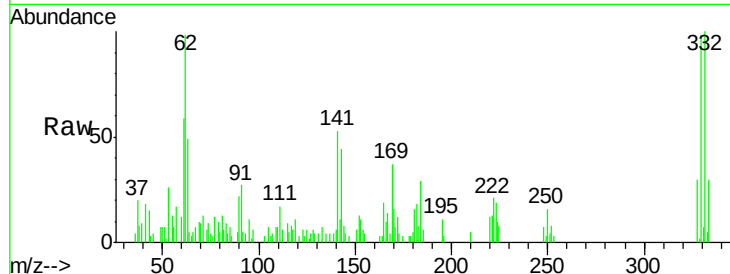




#41
 2,4,6-Tribromophenol
 Concen: 12.40 ng
 RT: 10.21 min Scan# 1449
 Delta R.T. -0.02 min
 Lab File: BF097588.D
 Acq: 11 Aug 2017 5:59

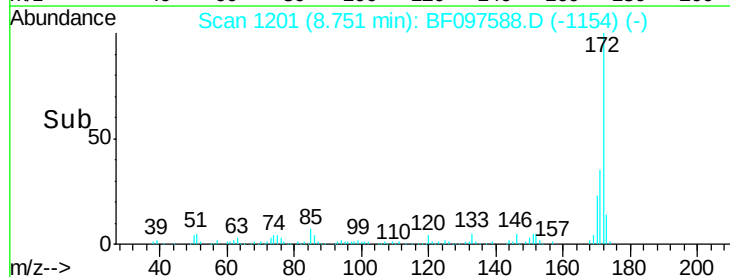
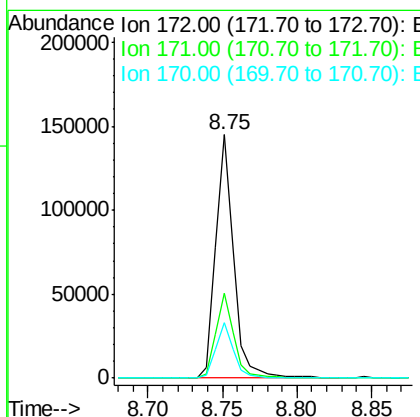
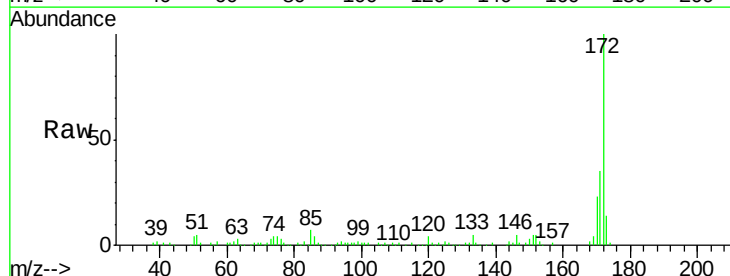
Instrument :
 BNA_F
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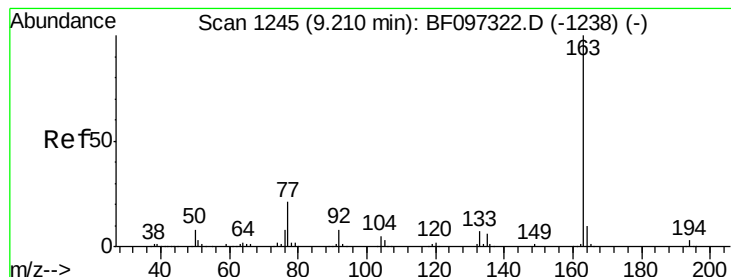
Tot Ion:330 Resp: 15312
 Ion Ratio Lower Upper
 330 100
 332 93.7 76.6 115.0
 141 68.1 31.4 47.2#



#44
 2-Fluorobiphenyl
 Concen: 13.23 ng
 RT: 8.75 min Scan# 1201
 Delta R.T. -0.02 min
 Lab File: BF097588.D
 Acq: 11 Aug 2017 5:59

Tgt Ion:172 Resp: 121784
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.6 44.4
 170 22.7 19.8 29.8





#49

Dimethylphthalate

Concen: 2.73 ng

RT: 9.16 min Scan# 1270

Delta R.T. -0.03 min

Lab File: BF097588.D

Acq: 11 Aug 2017 5:59

Instrument :

BNA_F

ClientSampleId :

E2-L8-BASE

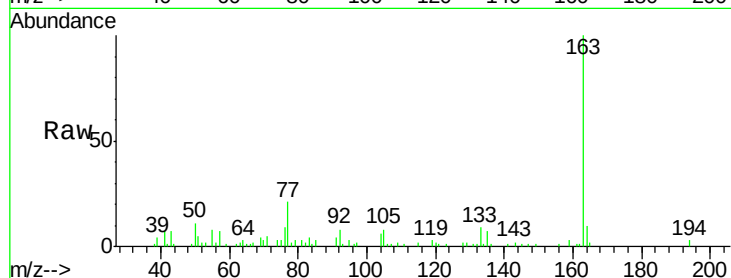
Tot Ion:163 Resp: 32411

Ion Ratio Lower Upper

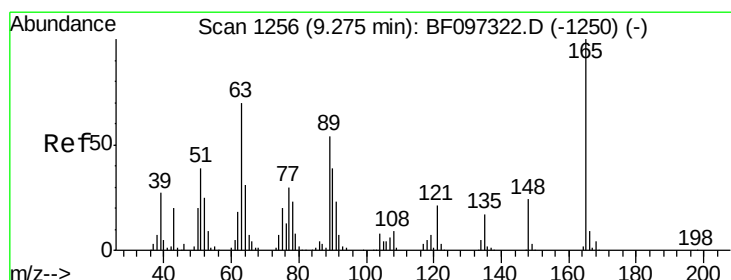
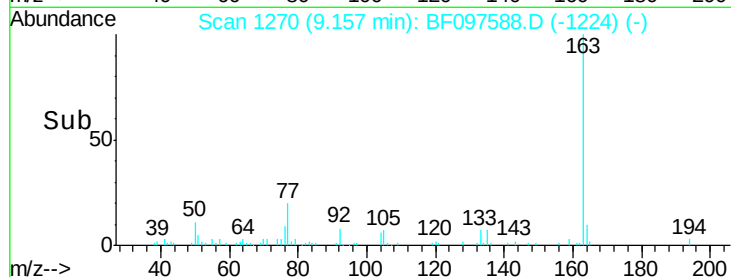
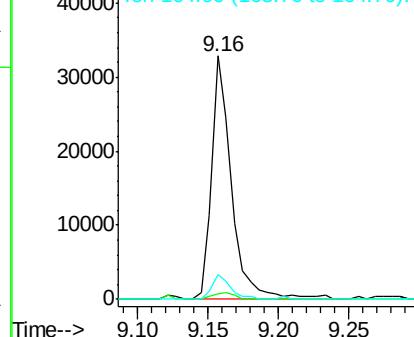
163 100

194 2.5 2.6 4.0#

164 9.9 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



#50

2,6-Dinitrotoluene

Concen: 8.34 ng

RT: 9.42 min Scan# 1314

Delta R.T. 0.16 min

Lab File: BF097588.D

Acq: 11 Aug 2017 5:59

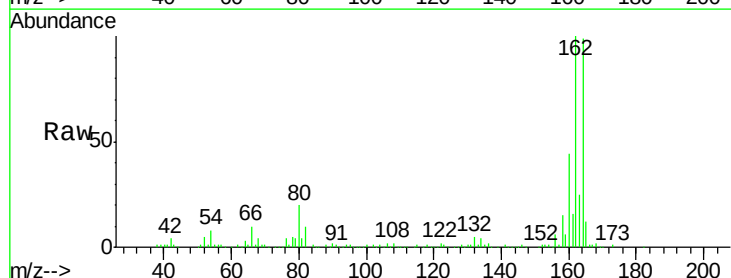
Tgt Ion:165 Resp: 20982

Ion Ratio Lower Upper

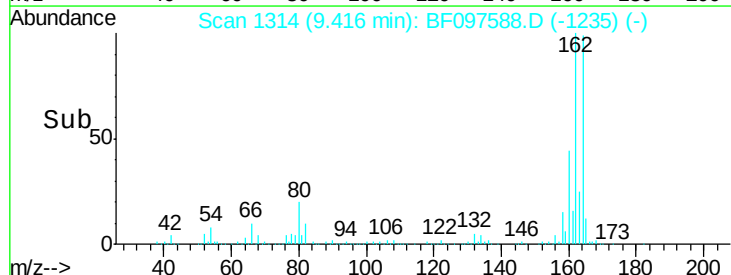
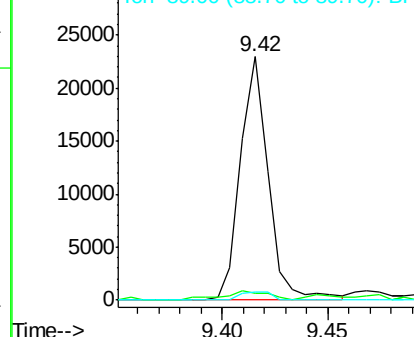
165 100

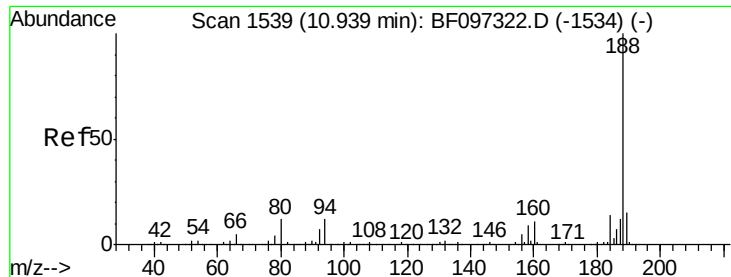
63 2.8 34.3 51.5#

89 3.3 37.1 55.7#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

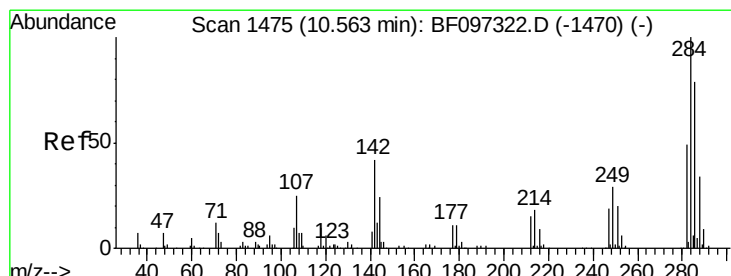
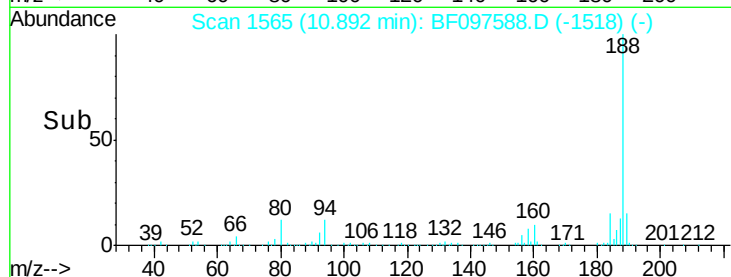
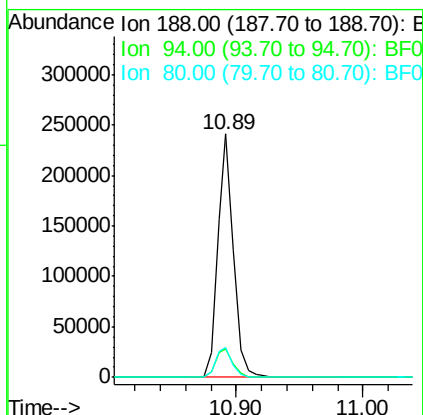
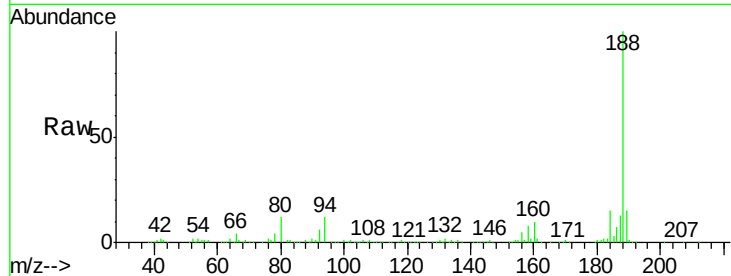




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.89 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BF097588.D
Acq: 11 Aug 2017 5:59

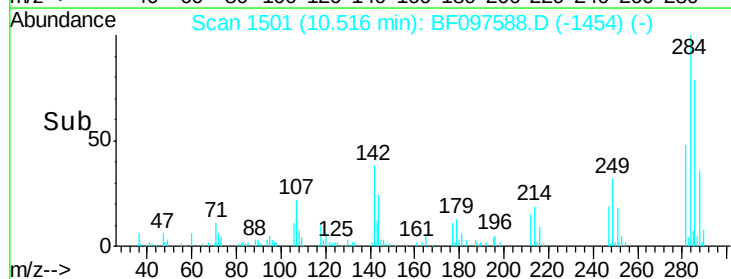
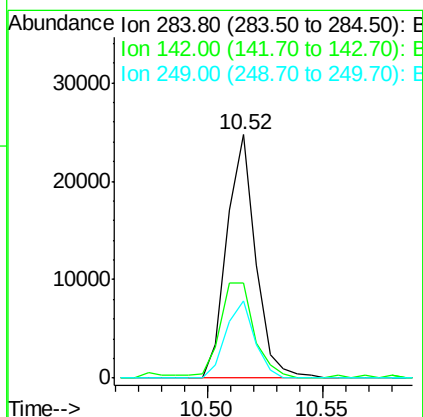
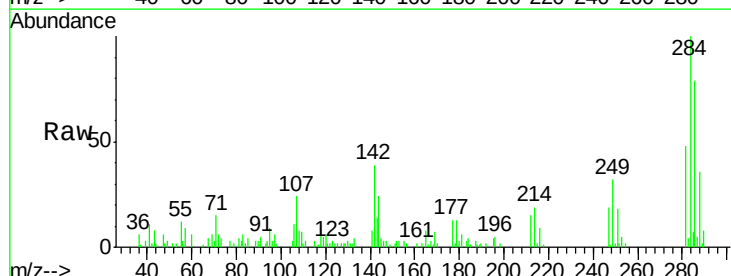
Instrument :
BNA_F
ClientSampleId :
E2-L8-BASE

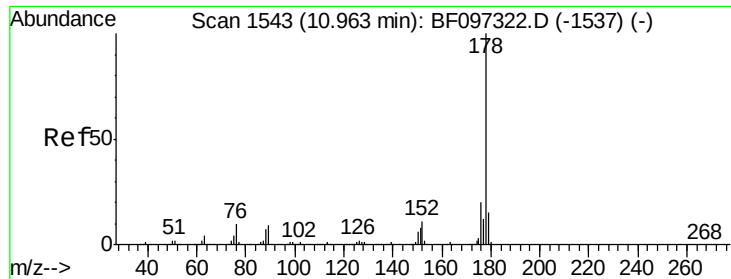
Tot Ion:188 Resp: 209403
Ion Ratio Lower Upper
188 100
94 11.8 9.4 14.2
80 12.3 10.2 15.2



#67
Hexachlorobenzene
Concen: 9.18 ng
RT: 10.52 min Scan# 1501
Delta R.T. -0.02 min
Lab File: BF097588.D
Acq: 11 Aug 2017 5:59

Tgt Ion:284 Resp: 21517
Ion Ratio Lower Upper
284 100
142 39.2 22.8 34.2#
249 31.5 24.0 36.0

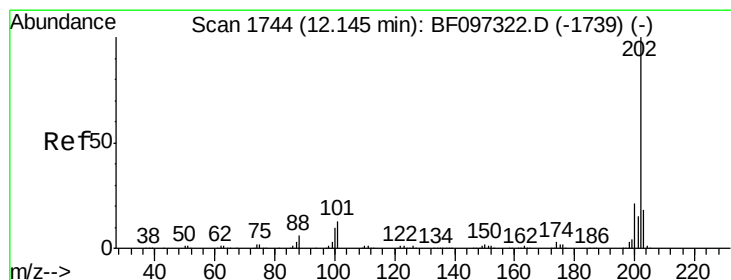
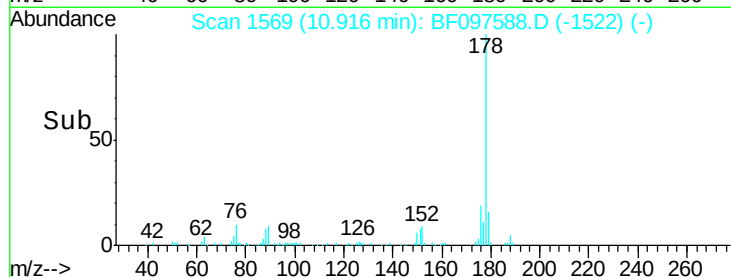
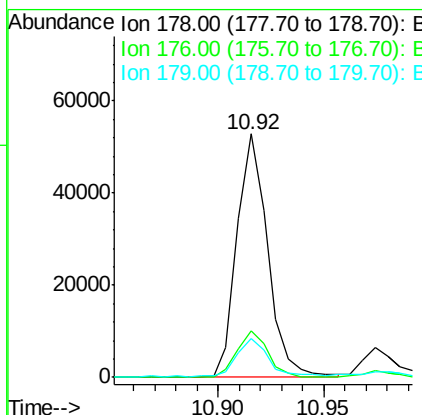
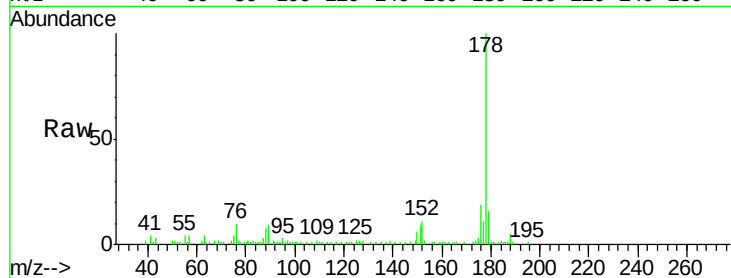




#70
Phenanthrene
Concen: 4.76 ng
RT: 10.92 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BF097588.D
Acq: 11 Aug 2017 5:59

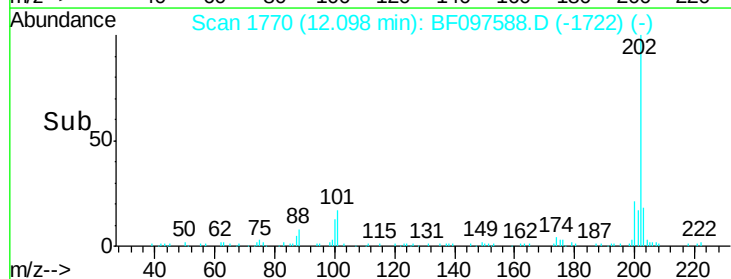
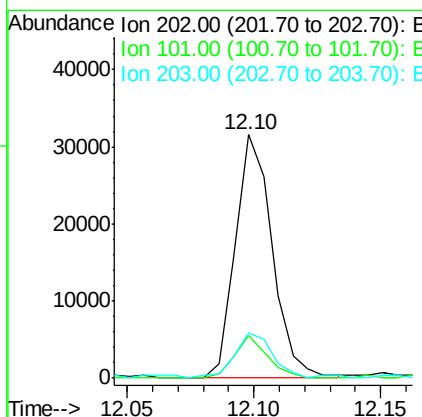
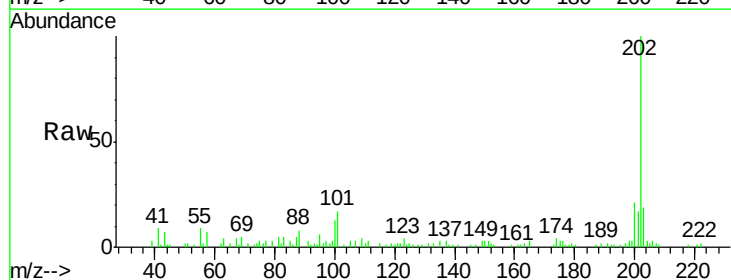
Instrument :
BNA_F
ClientSampleId :
E2-L8-BASE

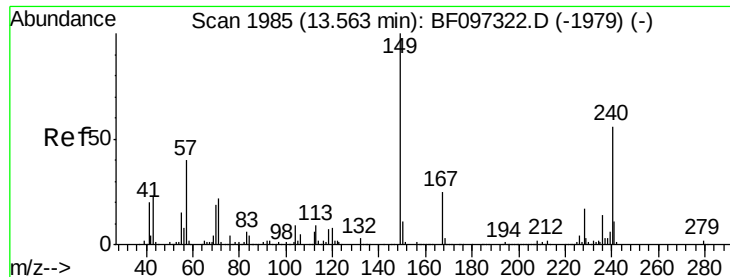
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.2	24.4
179	16.0	12.6	19.0



#74
Fluoranthene
Concen: 2.90 ng
RT: 12.10 min Scan# 1770
Delta R.T. -0.02 min
Lab File: BF097588.D
Acq: 11 Aug 2017 5:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.3	0.0	33.2
203	18.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.52 min Scan# 2011

Delta R.T. -0.02 min

Lab File: BF097588.D

Acq: 11 Aug 2017 5:59

Instrument :

BNA_F

ClientSampled :

E2-L8-BASE

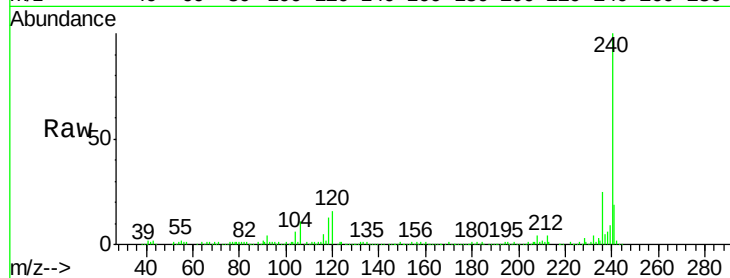
Tot Ion:240 Resp: 209172

Ion Ratio Lower Upper

240 100

120 15.5 5.8 8.8#

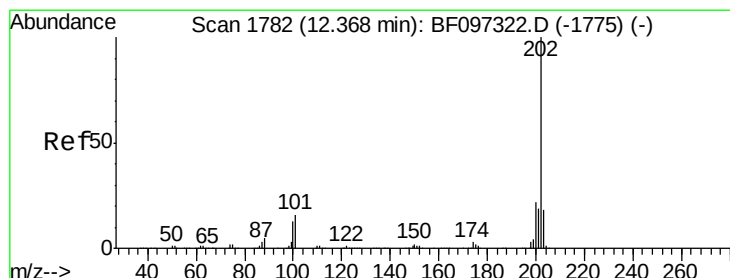
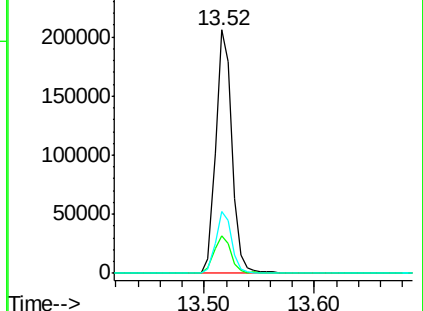
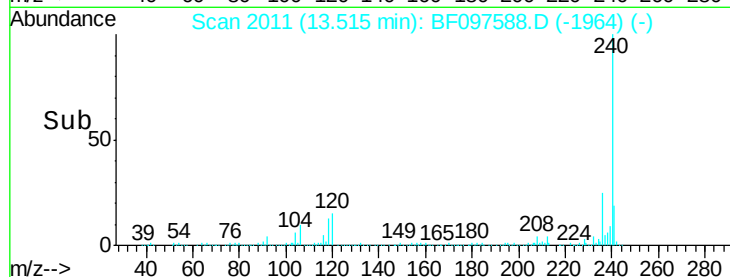
236 25.4 20.5 30.7



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: 2.18 ng

RT: 12.32 min Scan# 1808

Delta R.T. -0.02 min

Lab File: BF097588.D

Acq: 11 Aug 2017 5:59

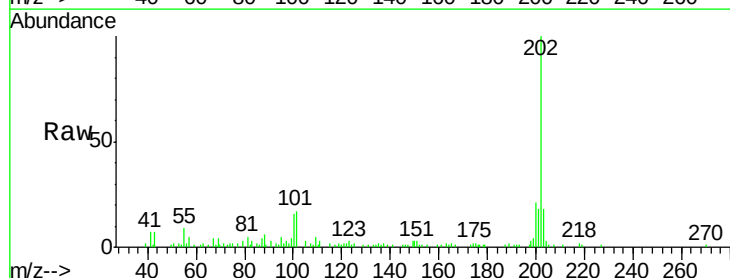
Tgt Ion:202 Resp: 37246

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

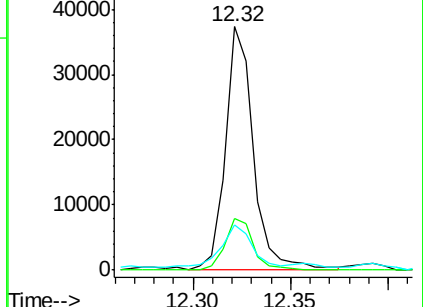
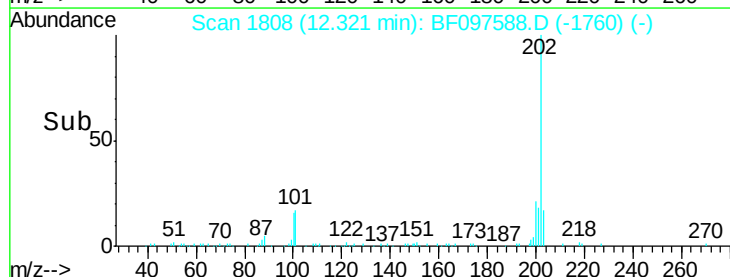
203 18.5 14.4 21.6

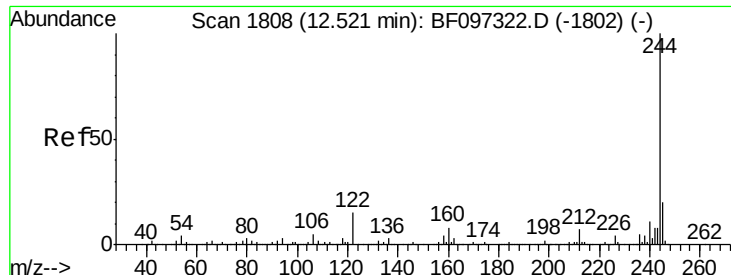


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 6.58 ng

RT: 12.47 min Scan# 1833

Delta R.T. -0.03 min

Lab File: BF097588.D

Acq: 11 Aug 2017 5:59

Instrument :

BNA_F

ClientSampleId :

E2-L8-BASE

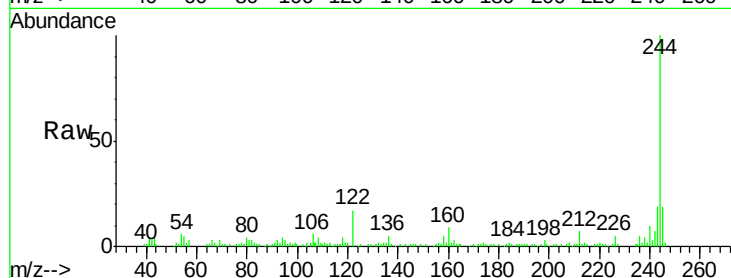
Tot Ion:244 Resp: 67518

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

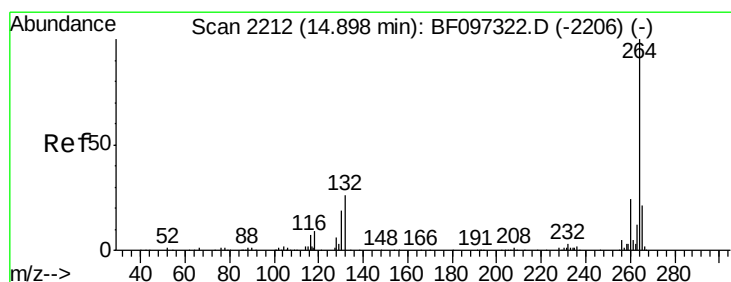
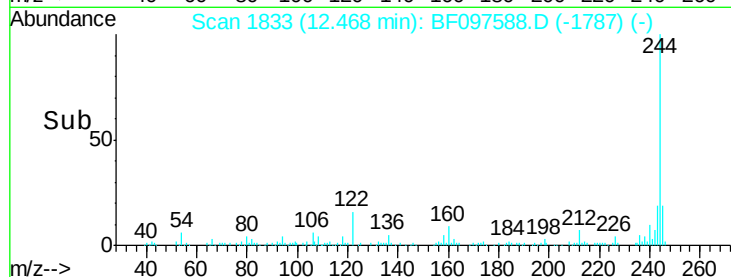
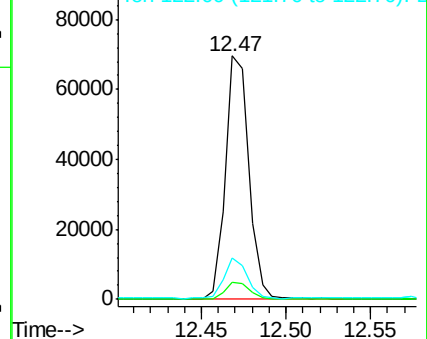
122 17.1 10.3 15.5#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 14.86 min Scan# 2239

Delta R.T. -0.01 min

Lab File: BF097588.D

Acq: 11 Aug 2017 5:59

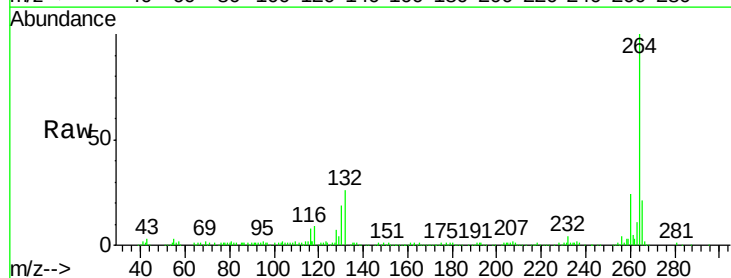
Tgt Ion:264 Resp: 162369

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

265 20.7 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

