

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091217\
 Data File : BF098470.D
 Acq On : 13 Sep 2017 00:29
 Operator : SJ/JU
 Sample : I5140-17
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RL-13-0-16

Quant Time: Sep 13 02:37:55 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	181688	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	716982	20.00	ng	0.00
38) Acenaphthene-d10	9.69	164	275379	20.00	ng	-0.01
63) Phenanthrene-d10	11.17	188	409323	20.00	ng	-0.01
75) Chrysene-d12	13.81	240	342633	20.00	ng	0.00
86) Perylene-d12	15.21	264	293362	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	1047011	85.20	ng	0.00
7) Phenol-d6	6.32	99	1267265	81.22	ng	0.00
23) Nitrobenzene-d5	7.23	82	743059	57.78	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	135994	73.99	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	955406	58.80	ng	-0.01
78) Terphenyl-d14	12.76	244	592280	37.31	ng	-0.01

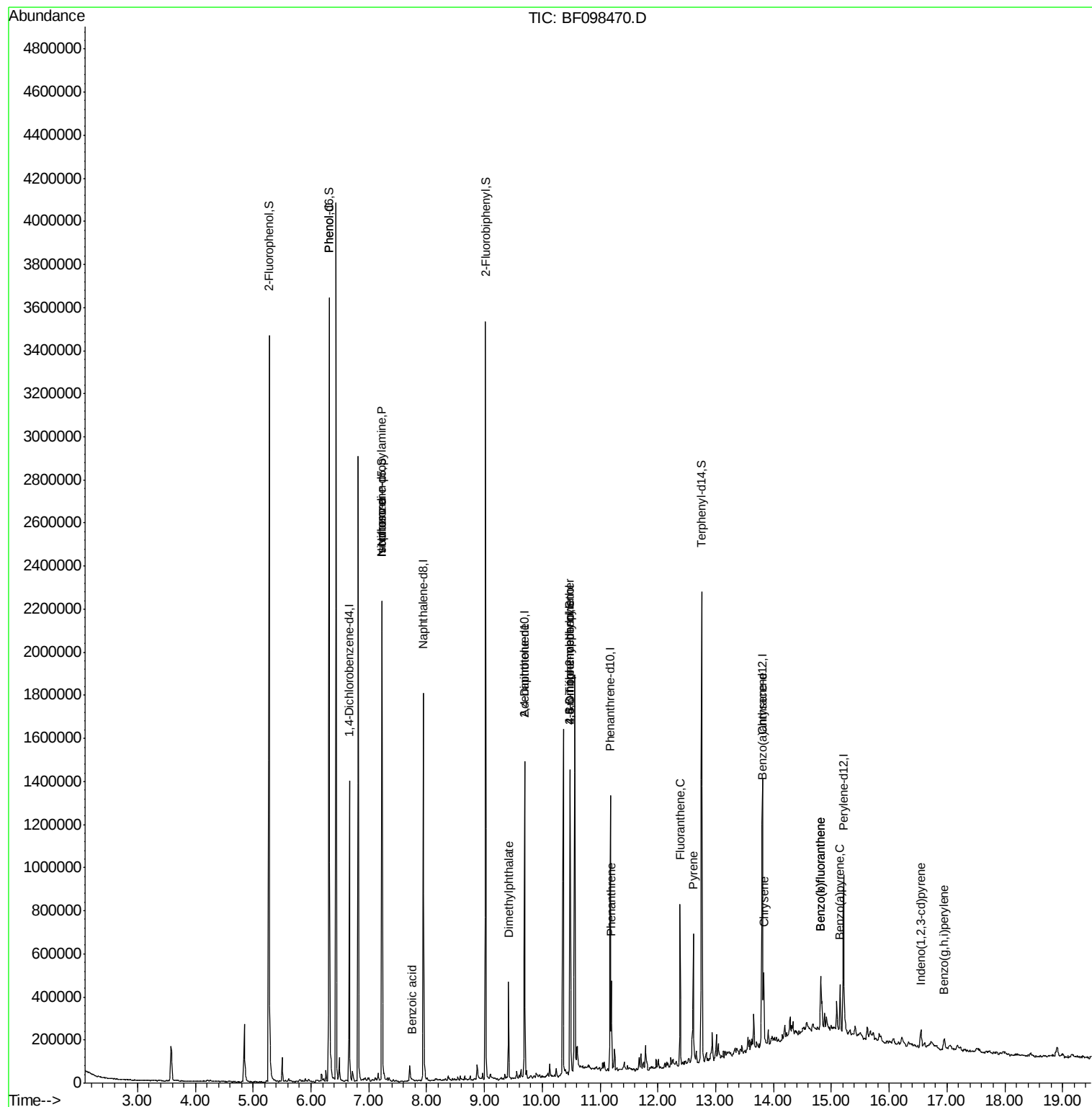
Target Compounds				Qvalue		
10) Phenol	6.32	94	47064	2.597	ng	# 73
19) n-Nitroso-di-n-propylamine	7.23	70	97725	9.958	ng	# 82
25) Isophorone	7.23	82	732935	28.167	ng	# 67
32) Benzoic acid	7.75	122	109	7.981	ng	# 85
49) Dimethylphthalate	9.42	163	152233	7.142	ng	# 98
56) 2,4-Dinitrotoluene	9.69	165	34928	6.561	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.48	198	338	5.085	ng	# 1
66) 4-Bromophenyl-phenylether	10.49	248	10654	2.742	ng	# 1
70) Phenanthrene	11.20	178	128304	5.913	ng	# 98
74) Fluoranthene	12.39	202	268409	12.356	ng	# 97
77) Pyrene	12.61	202	228638	8.459	ng	# 98
80) Benzo(a)anthracene	13.80	228	125071	6.226	ng	# 96
82) Chrysene	13.83	228	116300	5.727	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.55	276	37436	2.628	ng	# 98
87) Benzo(b)fluoranthene	14.82	252	163446	8.861	ng	# 94
88) Benzo(k)fluoranthene	14.82	252	163446	9.491	ng	# 98
89) Benzo(a)pyrene	15.15	252	81203	4.941	ng	# 93
91) Benzo(g,h,i)perylene	16.96	276	34127	2.838	ng	# 90

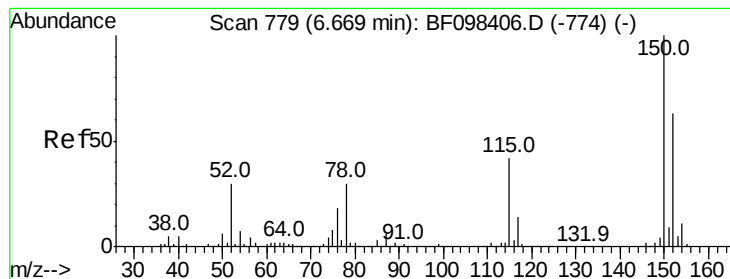
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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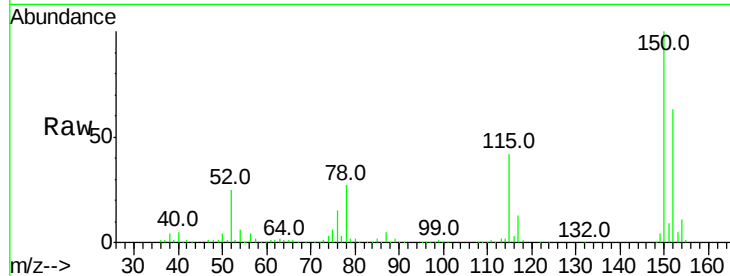


#1

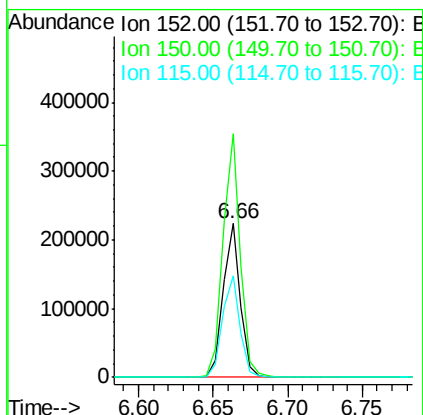
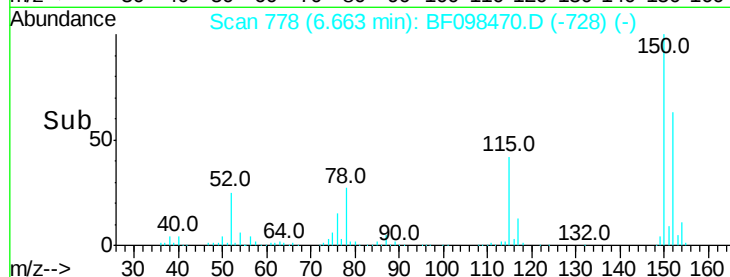
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF098470.D
Acq: 13 Sep 2017 00:29

Instrument :
BNA_F
ClientSampleId :
RL-13-0-16

Tot Ion:152 Resp: 181688
Ion Ratio Lower Upper
152 100
150 158.2 126.2 189.2
115 66.1 52.2 78.2



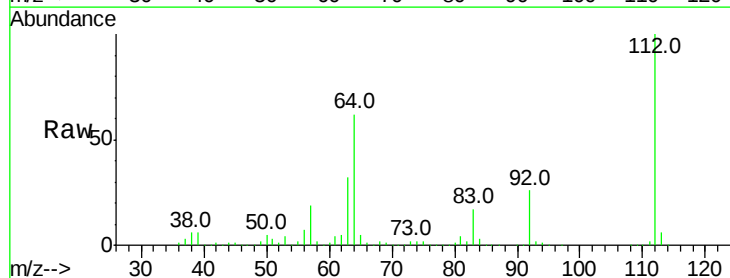
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



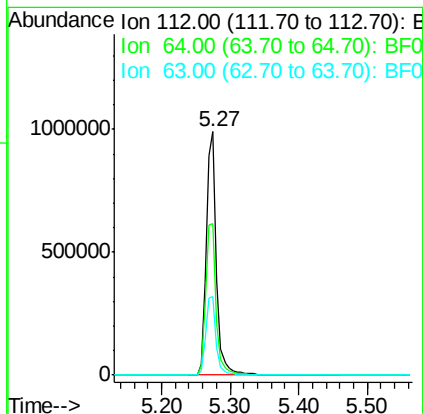
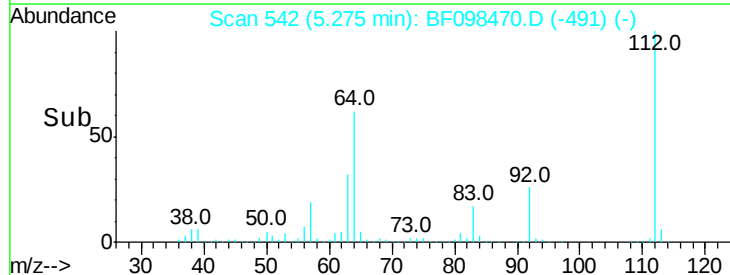
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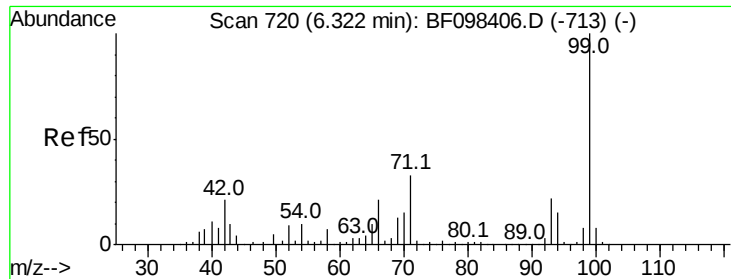
2-Fluorophenol
Concen: 85.203 ng
RT: 5.27 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF098470.D
Acq: 13 Sep 2017 00:29

Tgt Ion:112 Resp: 1047011
Ion Ratio Lower Upper
112 100
64 62.1 46.0 69.0
63 32.2 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: 81.223 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF098470.D

Acq: 13 Sep 2017 00:29

Instrument :

BNA_F

ClientSampleId :

RL-13-0-16

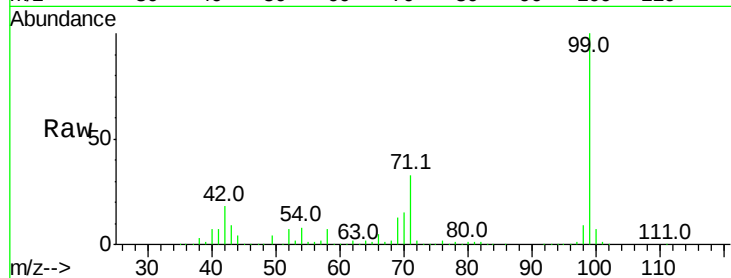
Tot Ion: 99 Resp: 1267265

Ion Ratio Lower Upper

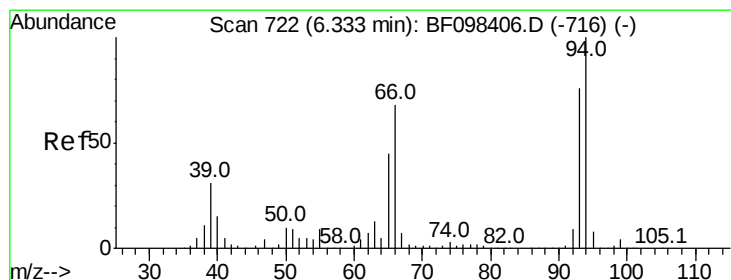
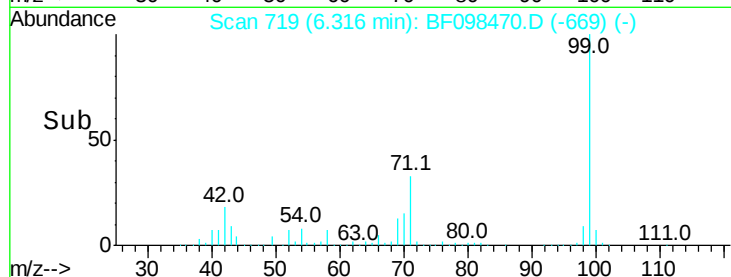
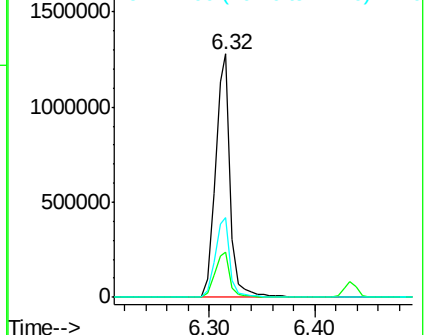
99 100

42 18.4 13.5 20.3

71 32.7 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: 2.597 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF098470.D

Acq: 13 Sep 2017 00:29

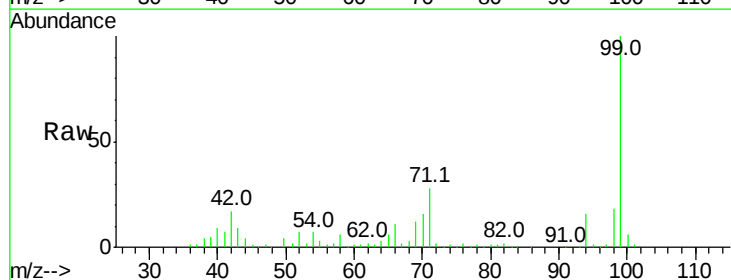
Tgt Ion: 94 Resp: 47064

Ion Ratio Lower Upper

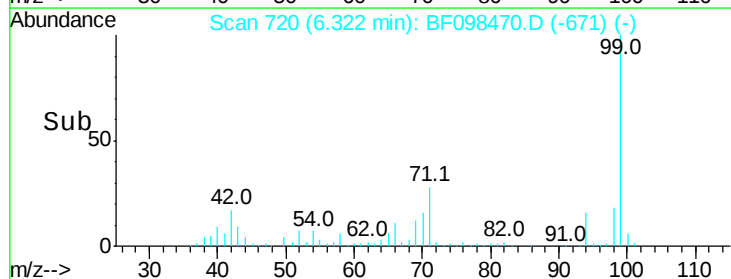
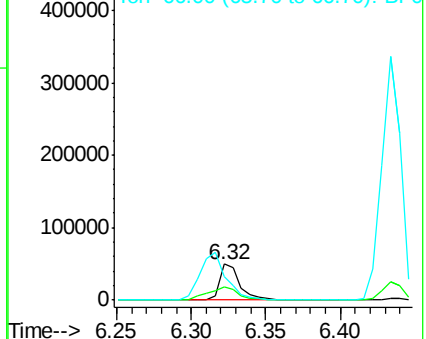
94 100

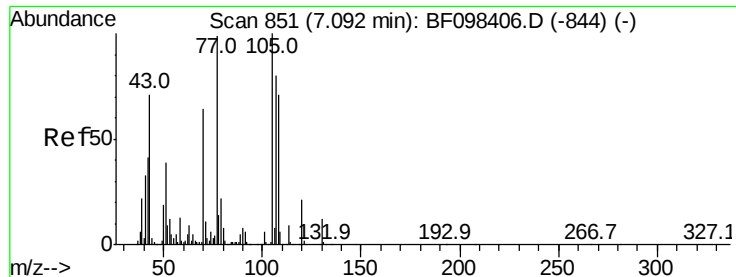
65 36.7 9.9 49.9

66 66.8 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





#19

n-Nitroso-di-n-propylamine

Concen: 9.958 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.14 min

Lab File: BF098470.D

Acq: 13 Sep 2017 00:29

Instrument :

BNA_F

ClientSampleId :

RL-13-0-16

Tot Ion: 70 Resp: 97725

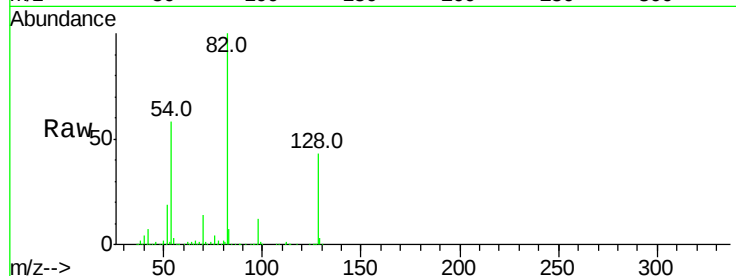
Ion Ratio Lower Upper

70 100

42 51.4 47.2 70.8

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#

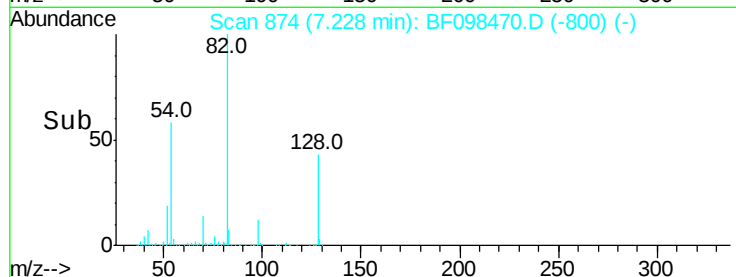


Abundance Ion 70.00 (69.70 to 70.70): BF0

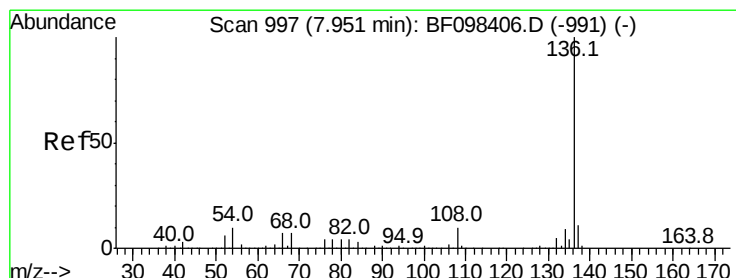
Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF098470.D

Acq: 13 Sep 2017 00:29

Tgt Ion: 136 Resp: 716982

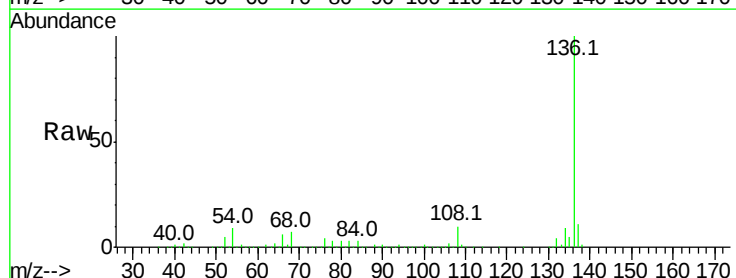
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 9.5 4.9 7.3#

68 7.0 4.1 6.1#

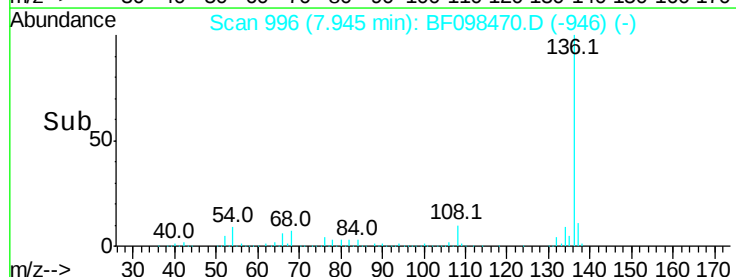


Abundance Ion 136.00 (135.70 to 136.70): BF0

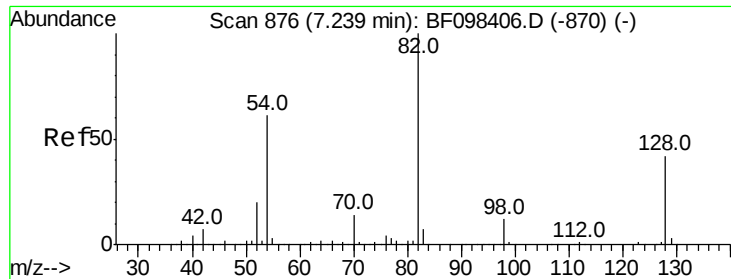
Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 57.777 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF098470.D

Acq: 13 Sep 2017 00:29

Instrument :

BNA_F

ClientSampleId :

RL-13-0-16

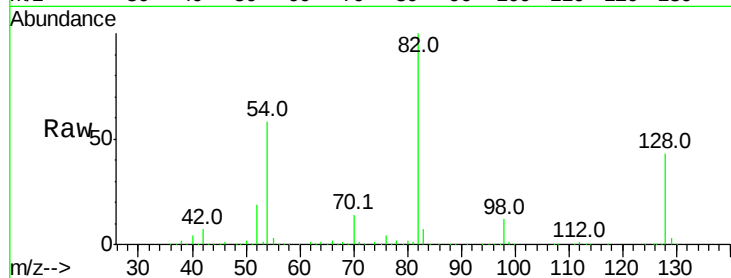
Tot Ion: 82 Resp: 743059

Ion Ratio Lower Upper

82 100

128 42.9 34.0 51.0

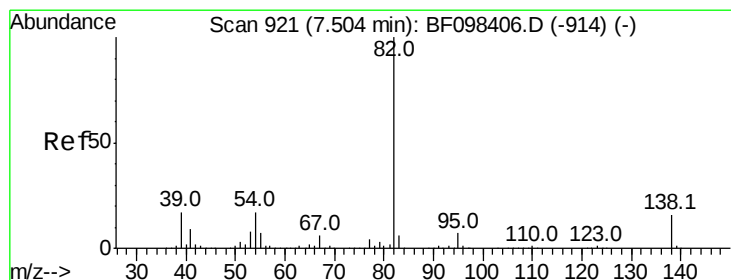
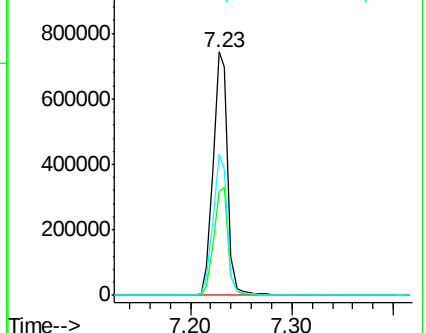
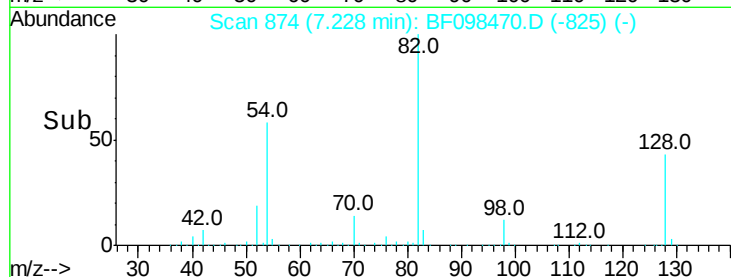
54 57.8 42.2 63.2



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: 28.167 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.28 min

Lab File: BF098470.D

Acq: 13 Sep 2017 00:29

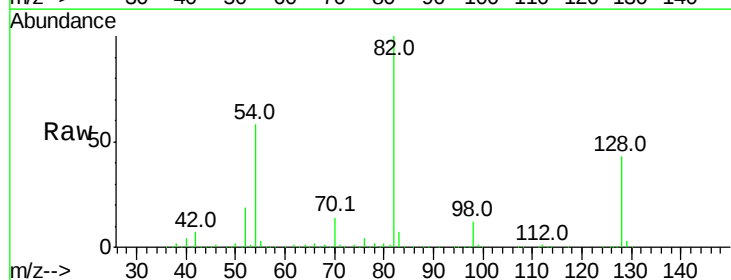
Tgt Ion: 82 Resp: 732935

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

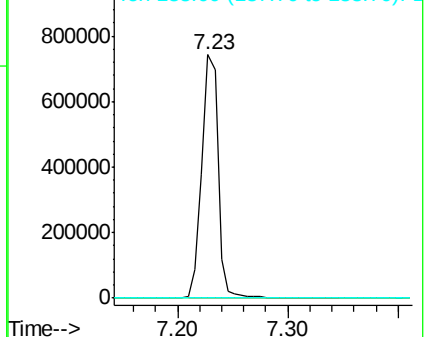
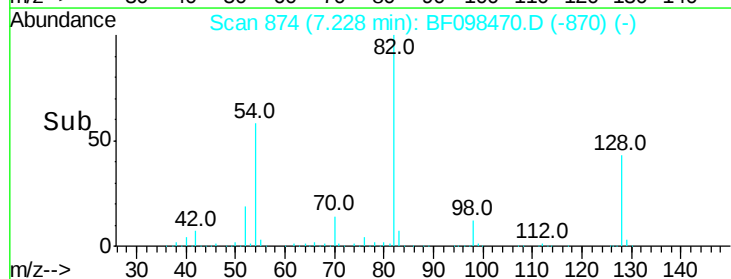
138 0.0 13.1 19.7#

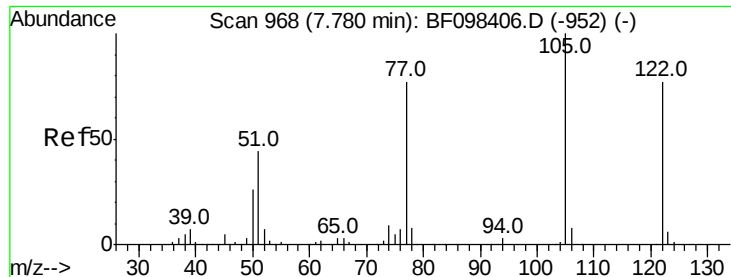


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

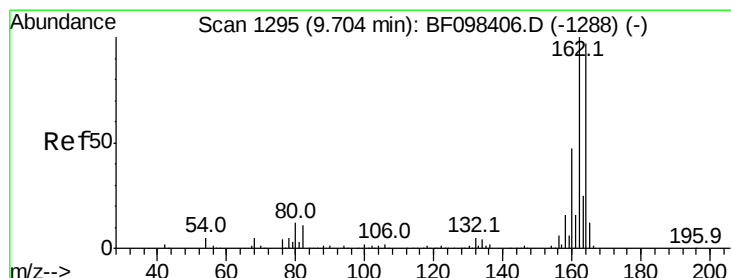
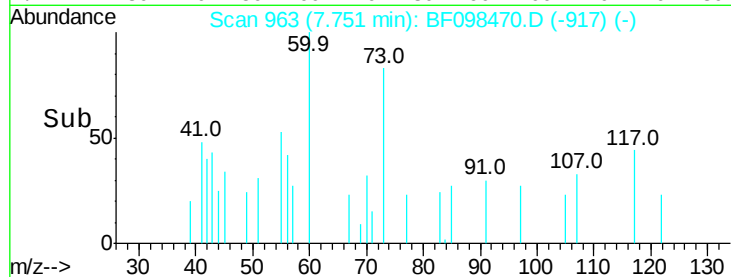
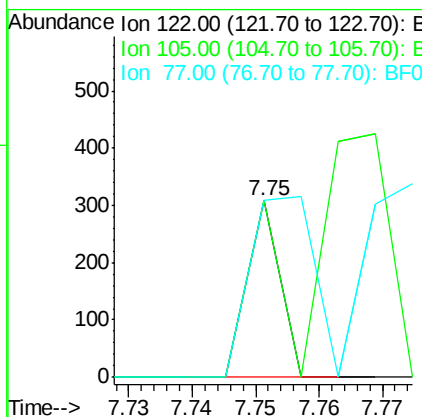
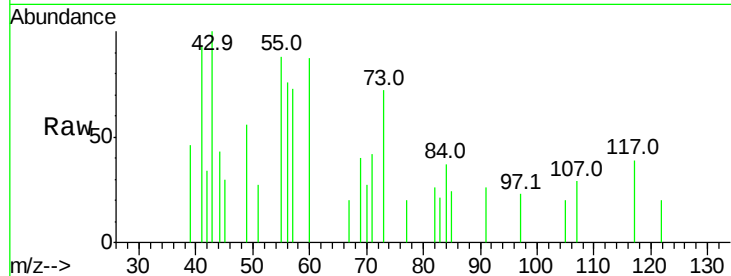




#32
Benzoic acid
Concen: 7.981 ng
RT: 7.75 min Scan# 963
Delta R.T. -0.03 min
Lab File: BF098470.D
Acq: 13 Sep 2017 00:29

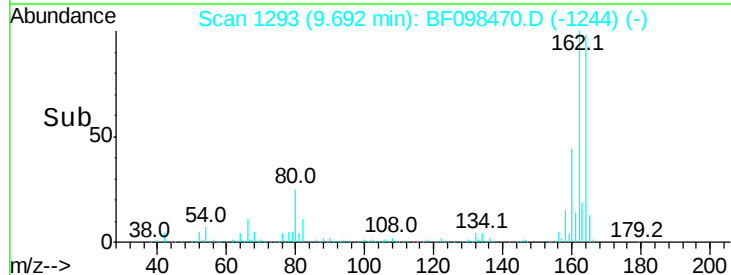
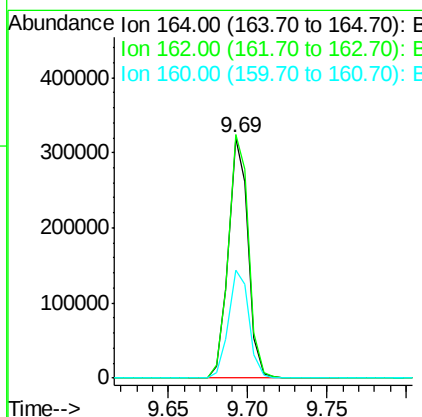
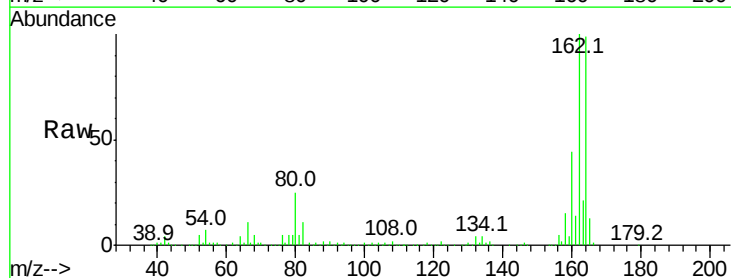
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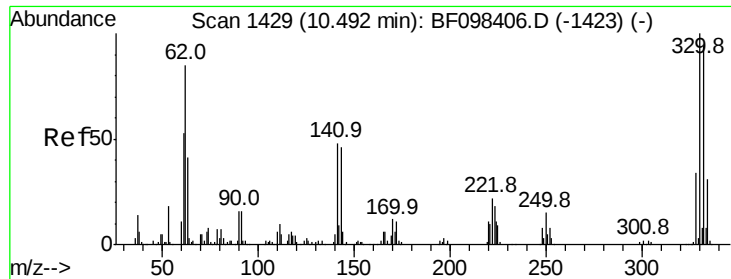
Tot Ion:122 Resp: 109
Ion Ratio Lower Upper
122 100
105 100.6 103.3 143.3#
77 100.6 73.7 113.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF098470.D
Acq: 13 Sep 2017 00:29

Tgt Ion:164 Resp: 275379
Ion Ratio Lower Upper
164 100
162 101.5 82.6 123.8
160 45.0 36.2 54.2

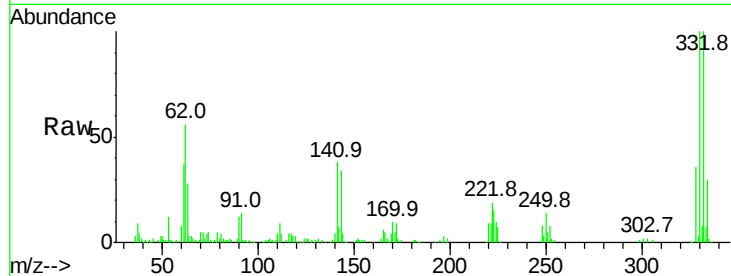




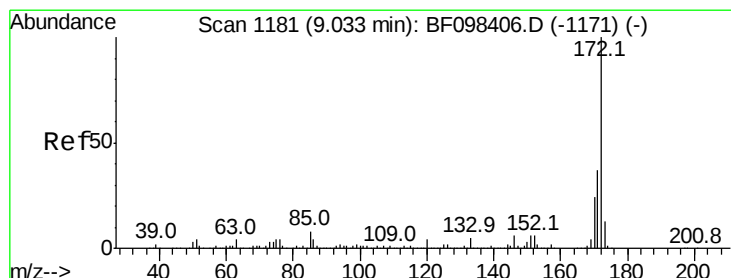
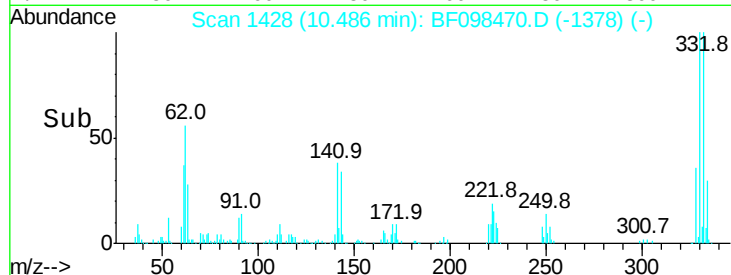
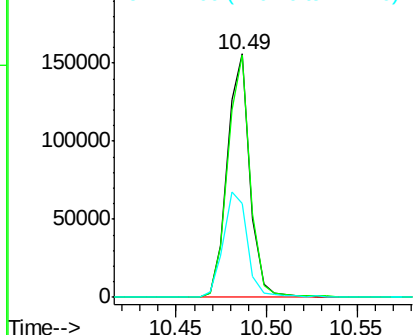
#41
 2,4,6-Tribromophenol
 Concen: 73.993 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF098470.D
 Acq: 13 Sep 2017 00:29

Instrument :
 BNA_F
 ClientSampleId :
 RL-13-0-16

Tot Ion:330 Resp: 135994
 Ion Ratio Lower Upper
 330 100
 332 99.3 76.6 115.0
 141 47.1 31.4 47.2

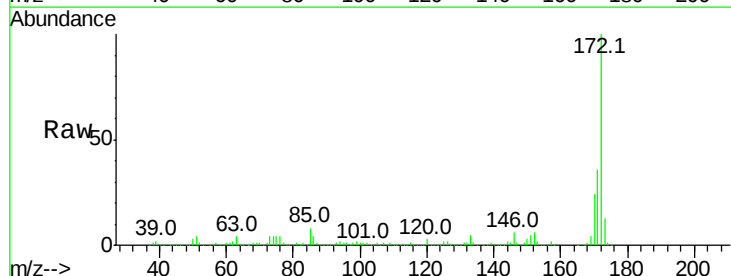


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

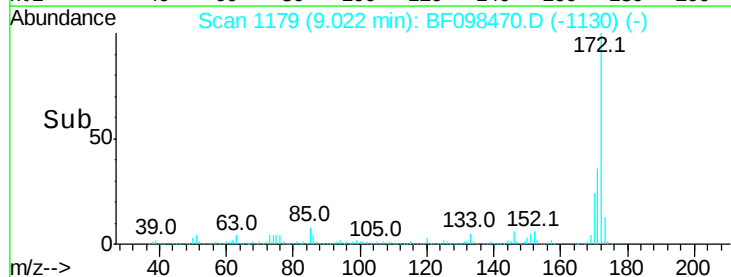
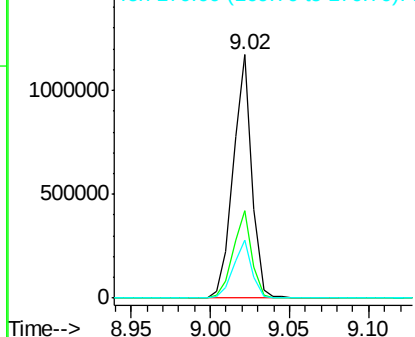


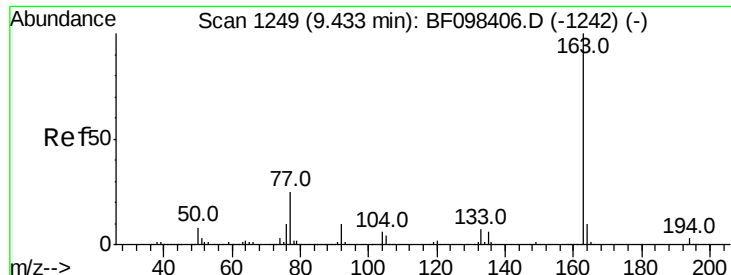
#44
 2-Fluorobiphenyl
 Concen: 58.804 ng
 RT: 9.02 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BF098470.D
 Acq: 13 Sep 2017 00:29

Tgt Ion:172 Resp: 955406
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 23.9 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

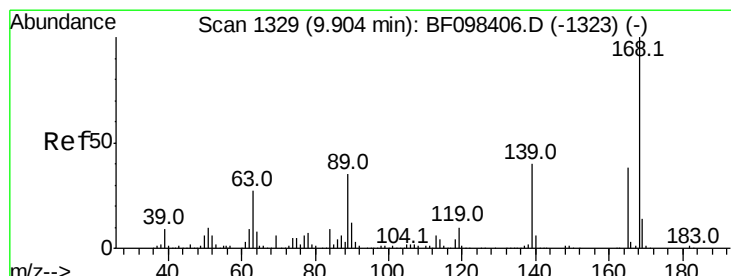
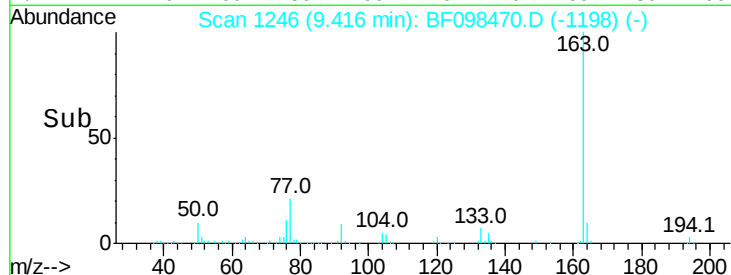
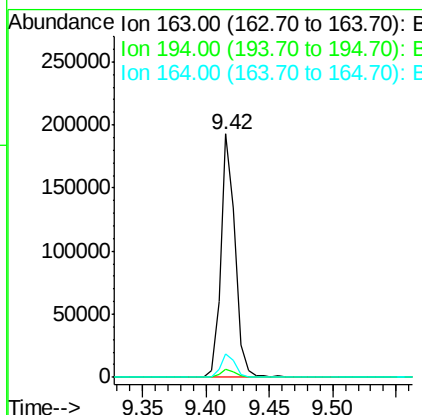
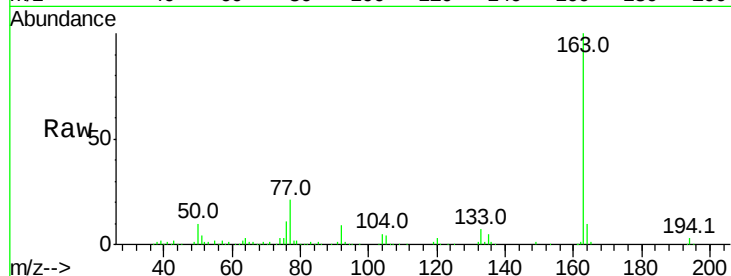




#49
Dimethylphthalate
Concen: 7.142 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BF098470.D
Acq: 13 Sep 2017 00:29

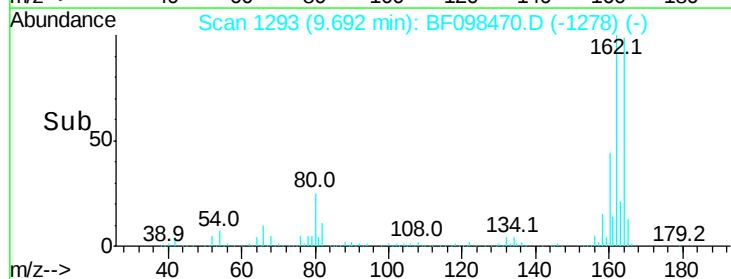
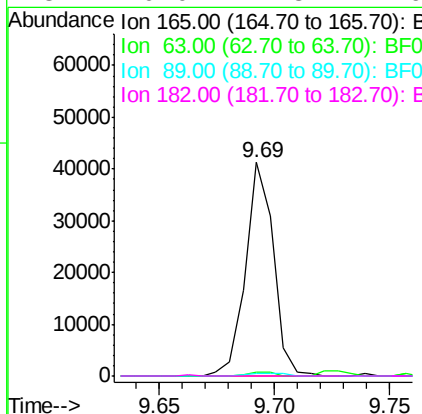
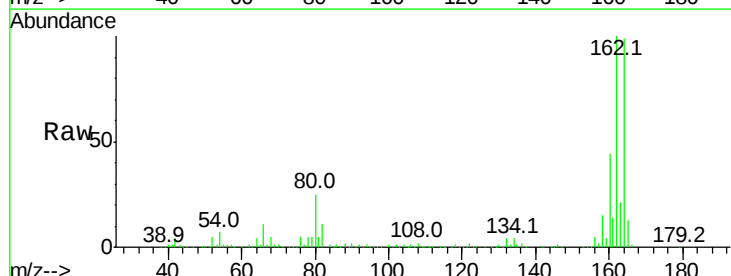
Instrument :
BNA_F
ClientSampled :
RL-13-0-16

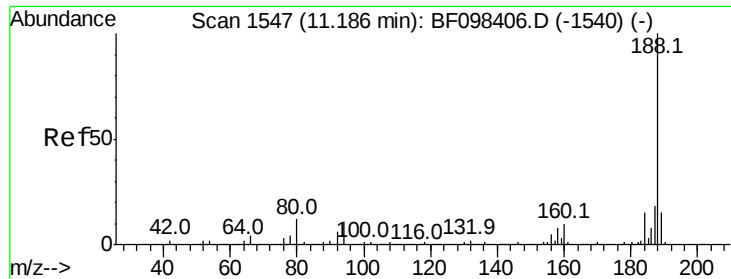
Tot Ion:163 Resp: 152233
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 9.5 8.4 12.6



#56
2,4-Dinitrotoluene
Concen: 6.561 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.21 min
Lab File: BF098470.D
Acq: 13 Sep 2017 00:29

Tgt Ion:165 Resp: 34928
Ion Ratio Lower Upper
165 100
63 2.1 25.4 38.0#
89 1.4 46.4 69.6#
182 0.0 1.8 2.6#

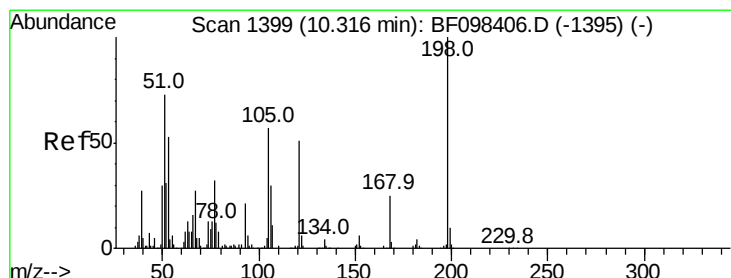
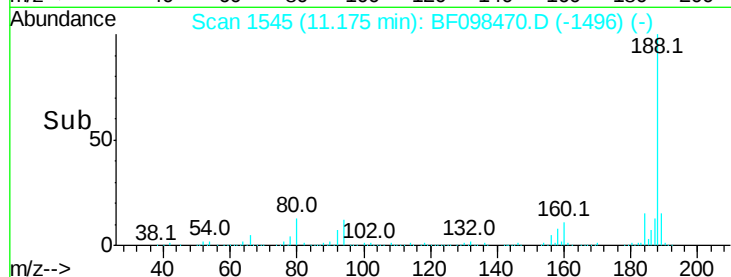
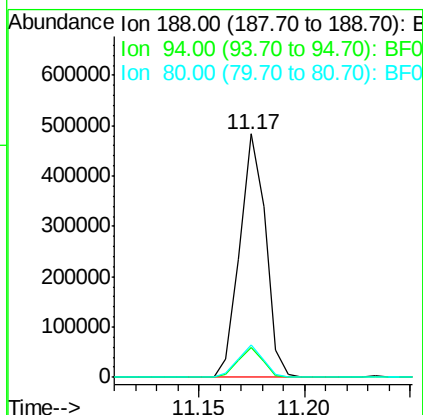
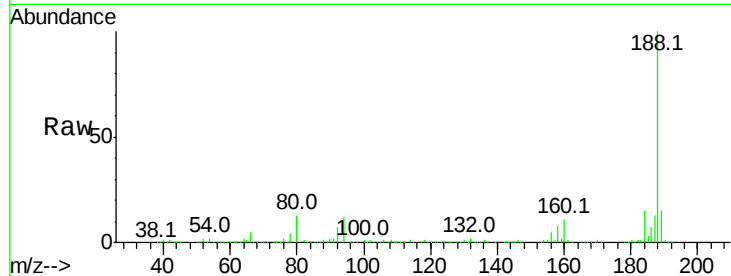




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1545
Delta R.T. -0.01 min
Lab File: BF098470.D
Acq: 13 Sep 2017 00:29

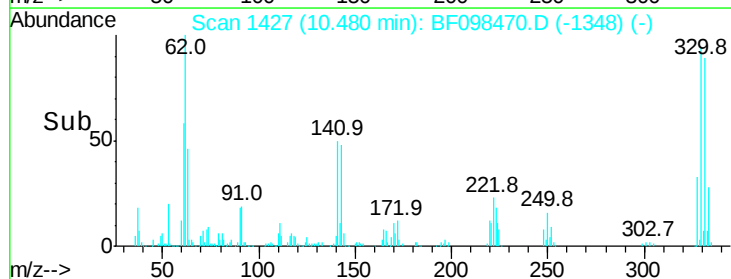
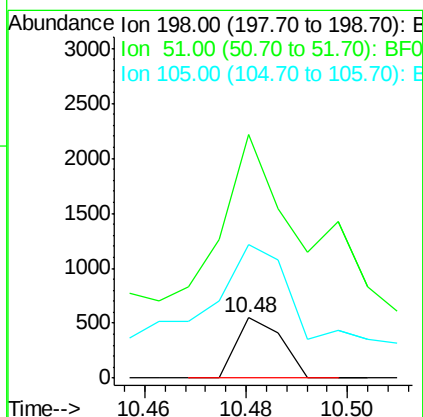
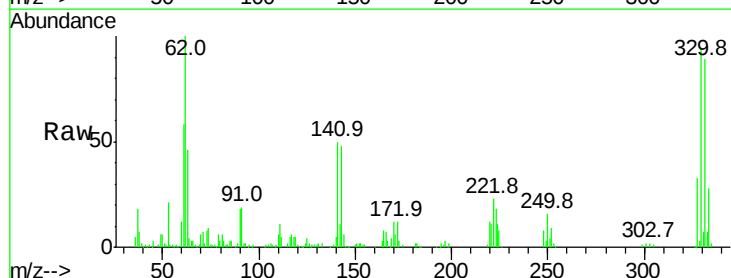
Instrument :
BNA_F
ClientSampleId :
RL-13-0-16

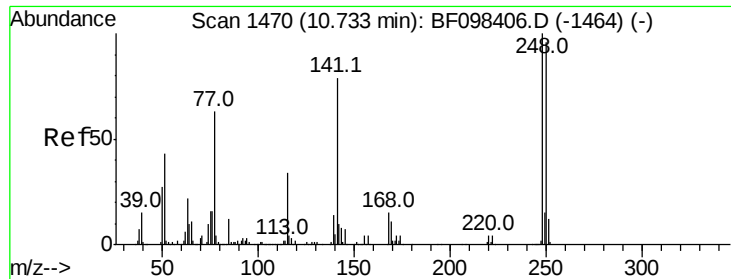
Tot Ion:188 Resp: 409323
Ion Ratio Lower Upper
188 100
94 12.1 9.4 14.2
80 13.1 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 5.085 ng
RT: 10.48 min Scan# 1427
Delta R.T. 0.17 min
Lab File: BF098470.D
Acq: 13 Sep 2017 00:29

Tgt Ion:198 Resp: 338
Ion Ratio Lower Upper
198 100
51 404.4 53.2 93.2#
105 222.4 45.8 85.8#

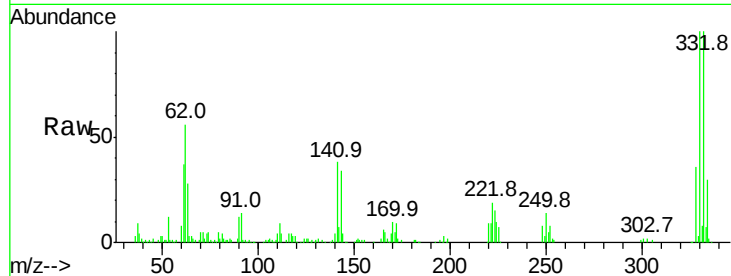




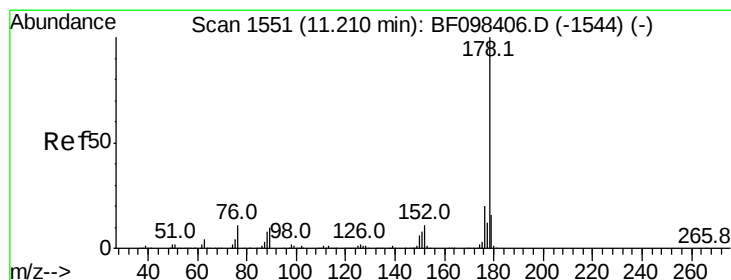
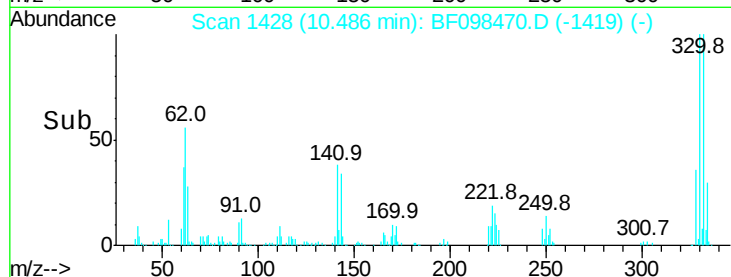
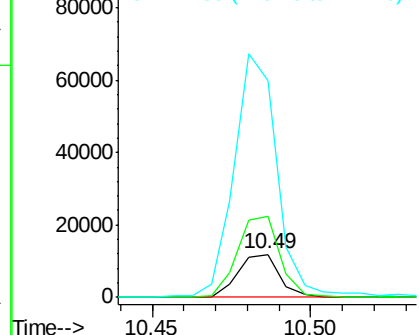
#66
 4-Bromophenyl-phenylether
 Concen: 2.742 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.25 min
 Lab File: BF098470.D
 Acq: 13 Sep 2017 00:29

Instrument :
 BNA_F
 ClientSampleId :
 RL-13-0-16

Tot Ion:248 Resp: 10654
 Ion Ratio Lower Upper
 248 100
 250 188.7 76.8 115.2#
 141 502.7 68.6 103.0#

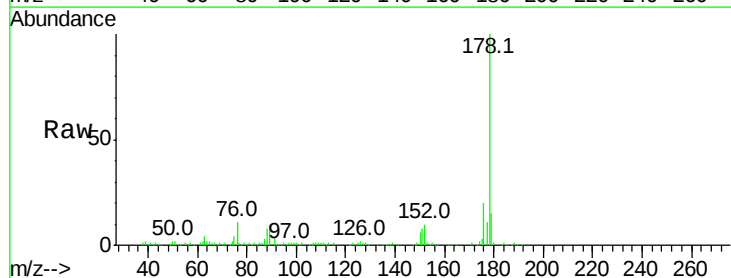


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

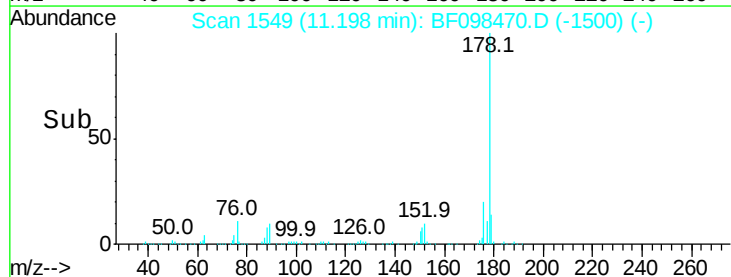
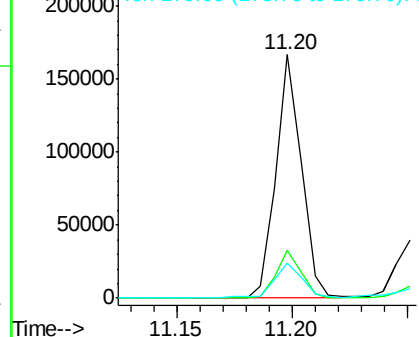


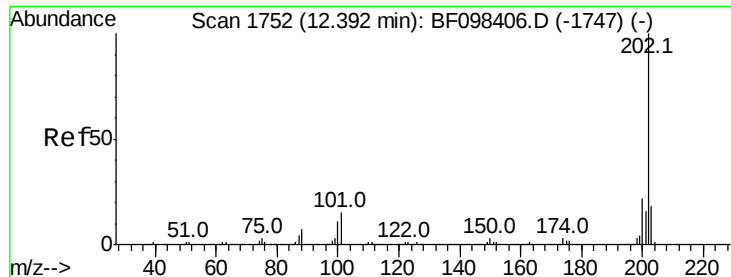
#70
 Phenanthrene
 Concen: 5.913 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF098470.D
 Acq: 13 Sep 2017 00:29

Tgt Ion:178 Resp: 128304
 Ion Ratio Lower Upper
 178 100
 176 19.7 16.2 24.4
 179 14.5 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: 12.356 ng

RT: 12.39 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BF098470.D

Acq: 13 Sep 2017 00:29

Instrument :

BNA_F

ClientSampleId :

RL-13-0-16

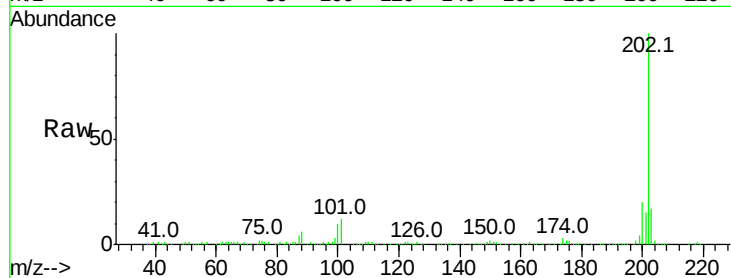
Tot Ion:202 Resp: 268409

Ion Ratio Lower Upper

202 100

101 12.4 0.0 33.2

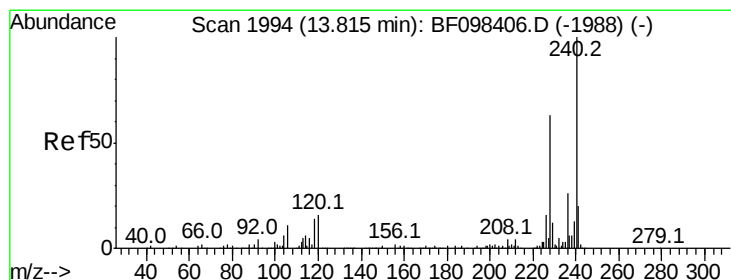
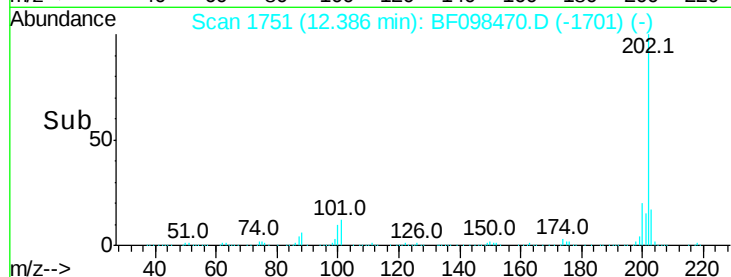
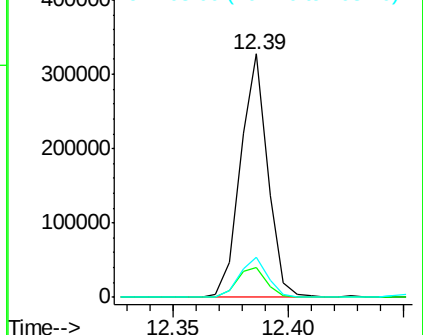
203 16.6 0.0 38.1



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: 20.000 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF098470.D

Acq: 13 Sep 2017 00:29

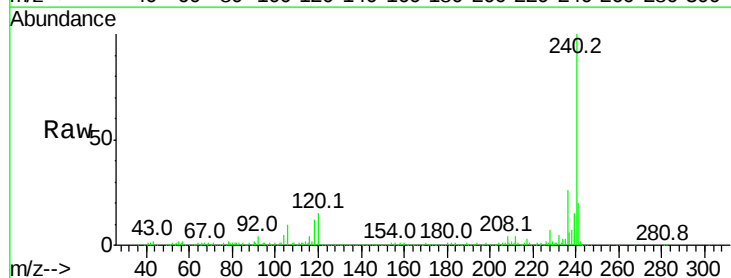
Tgt Ion:240 Resp: 342633

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

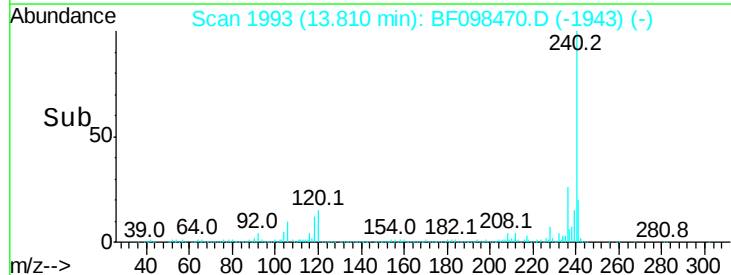
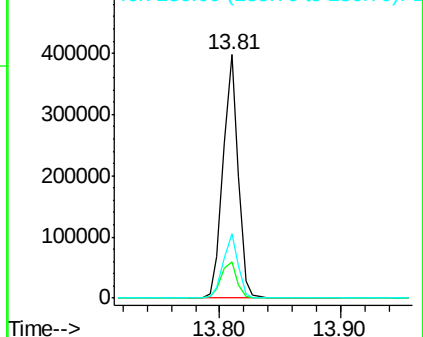
236 26.4 20.5 30.7

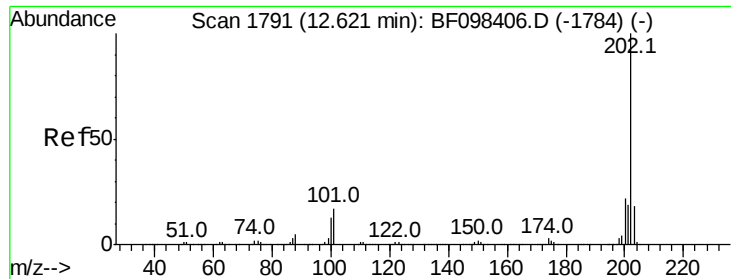


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

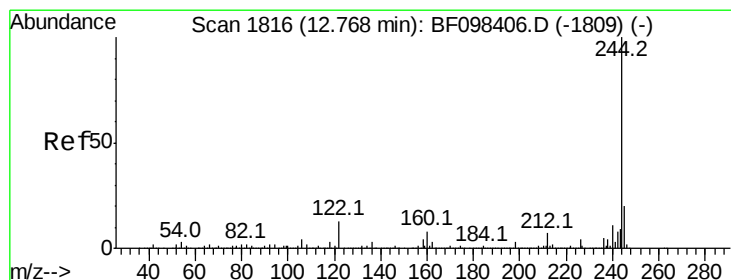
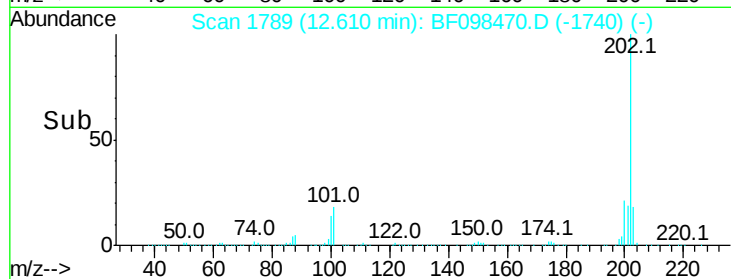
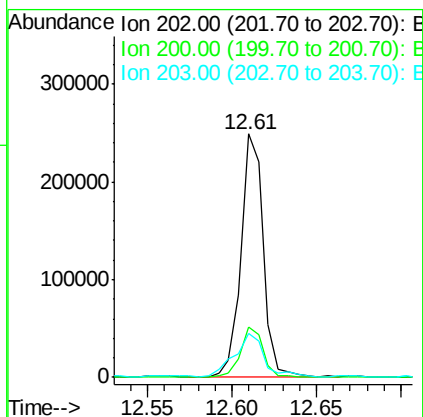
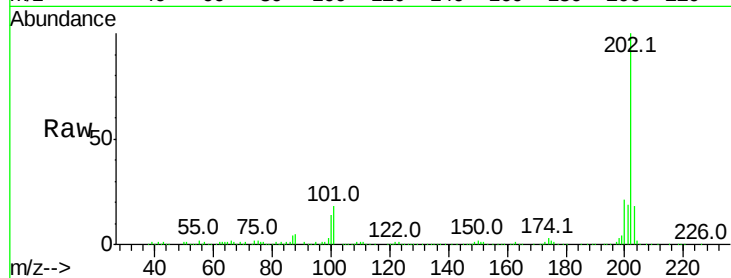




#77
Pvrene
Concen: 8.459 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.01 min
Lab File: BF098470.D
Acq: 13 Sep 2017 00:29

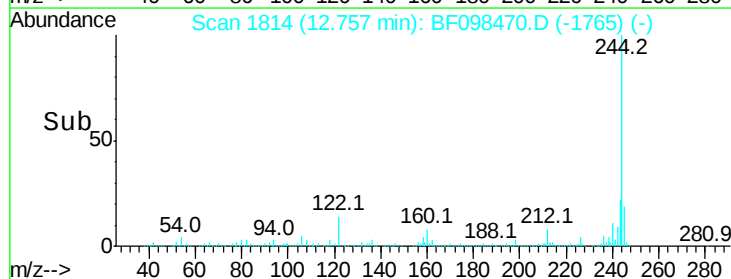
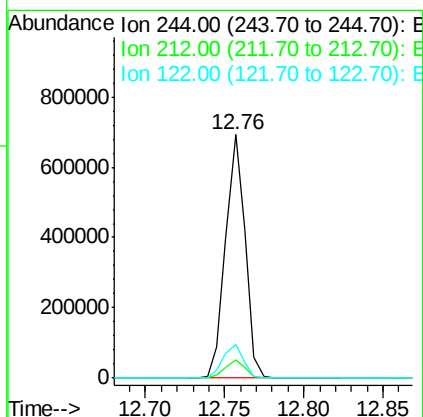
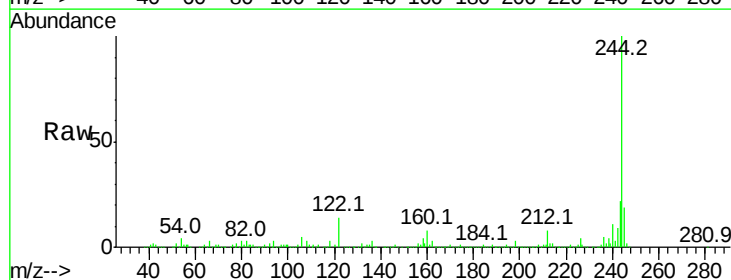
Instrument :
BNA_F
ClientSampleId :
RL-13-0-16

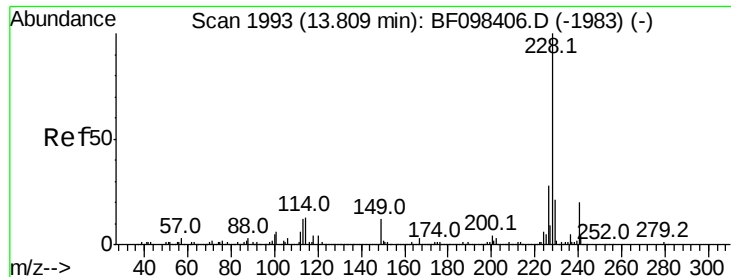
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.6	26.4
203	18.3	14.4	21.6



#78
Terphenyl-d14
Concen: 37.311 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF098470.D
Acq: 13 Sep 2017 00:29

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	14.0	10.3	15.5

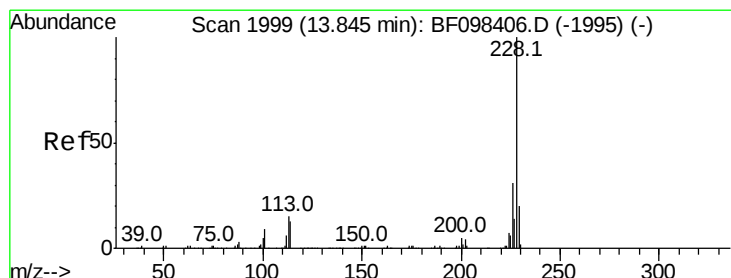
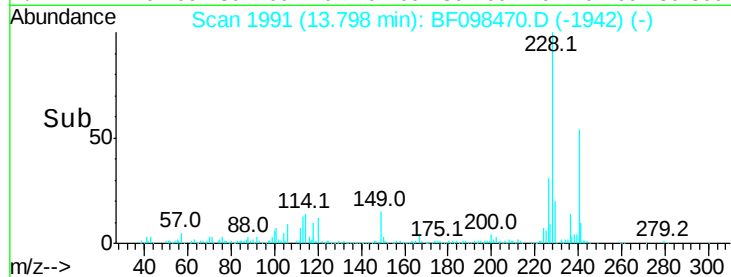
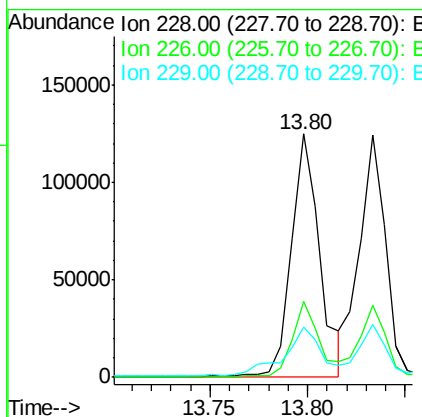
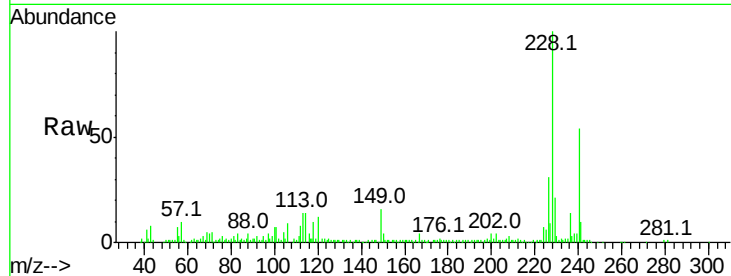




#80
Benzo(a)anthracene
Concen: 6.226 ng
RT: 13.80 min Scan# 1991
Delta R.T. -0.01 min
Lab File: BF098470.D
Acq: 13 Sep 2017 00:29

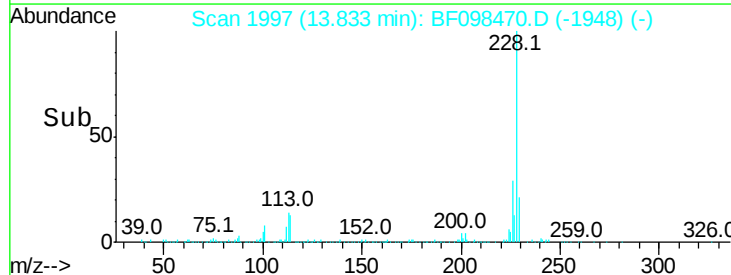
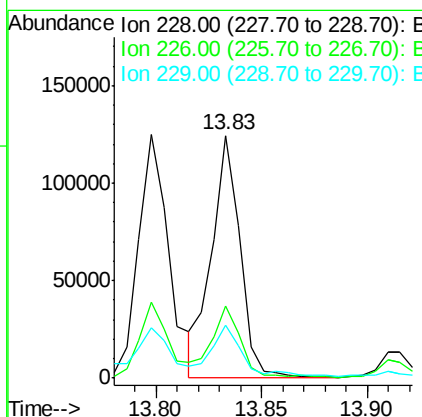
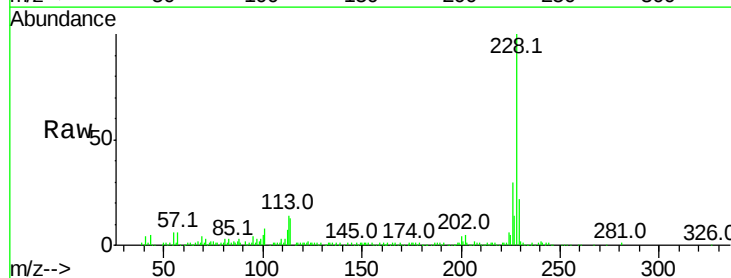
Instrument :
BNA_F
ClientSampleId :
RL-13-0-16

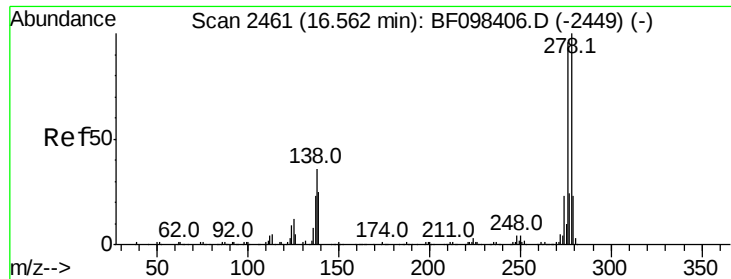
Tot Ion:228 Resp: 125071
Ion Ratio Lower Upper
228 100
226 31.4 22.6 33.8
229 20.9 16.3 24.5



#82
Chrysene
Concen: 5.727 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF098470.D
Acq: 13 Sep 2017 00:29

Tgt Ion:228 Resp: 116300
Ion Ratio Lower Upper
228 100
226 29.6 24.9 37.3
229 22.0 15.8 23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.628 ng

RT: 16.55 min Scan# 2459

Delta R.T. -0.01 min

Lab File: BF098470.D

Acq: 13 Sep 2017 00:29

Instrument :

BNA_F

ClientSampleId :

RL-13-0-16

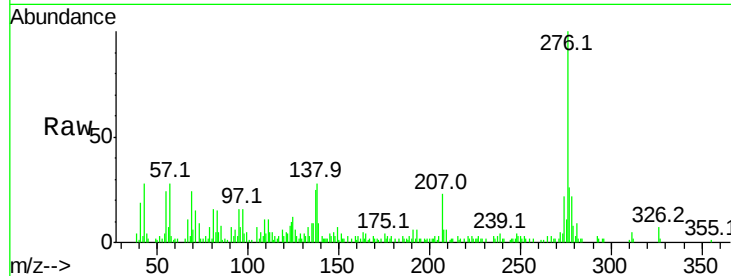
Tot Ion:276 Resp: 37436

Ion Ratio Lower Upper

276 100

138 33.8 27.8 41.6

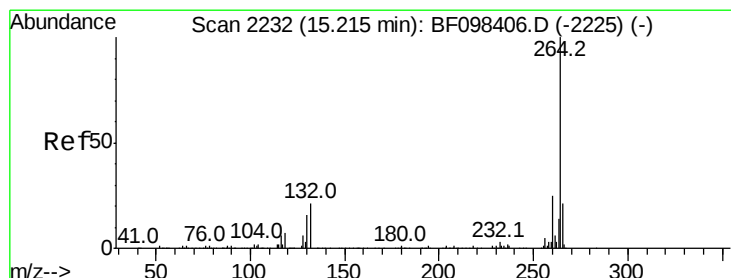
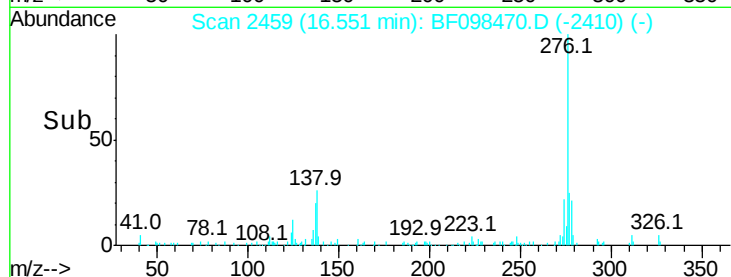
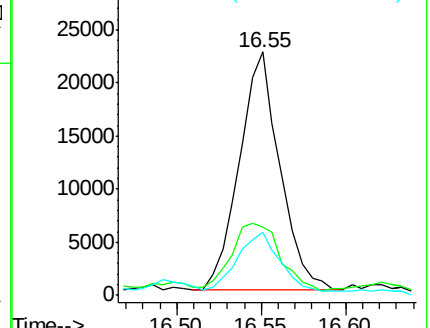
277 26.6 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.01 min

Lab File: BF098470.D

Acq: 13 Sep 2017 00:29

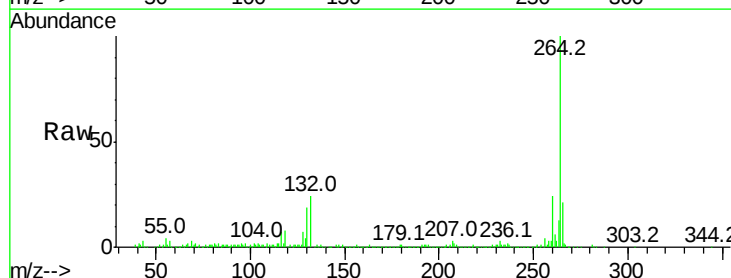
Tgt Ion:264 Resp: 293362

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

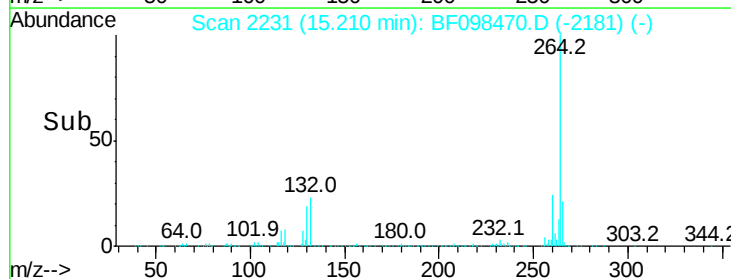
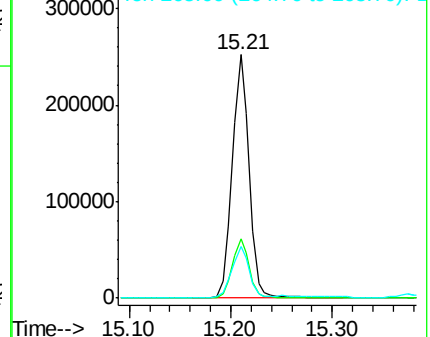
265 21.0 17.2 25.8

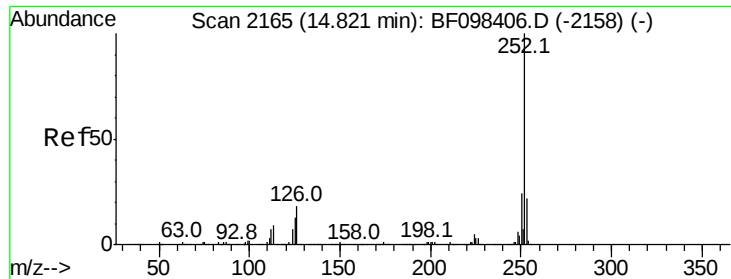


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 8.861 ng

RT: 14.82 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BF098470.D

Acq: 13 Sep 2017 00:29

Instrument :

BNA_F

ClientSampleId :

RL-13-0-16

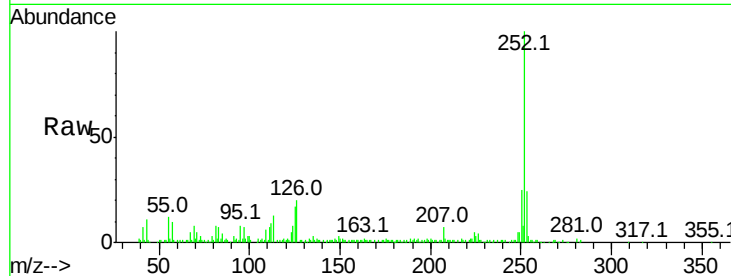
Tot Ion:252 Resp: 163446

Ion Ratio Lower Upper

252 100

253 23.9 18.1 27.1

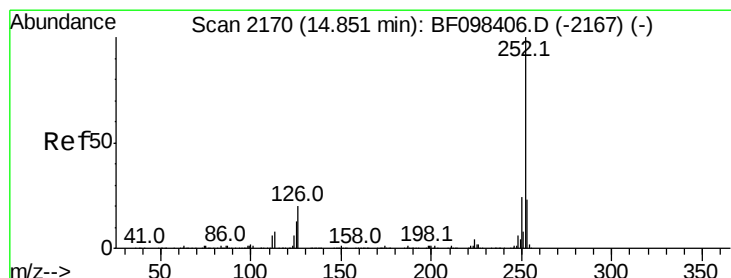
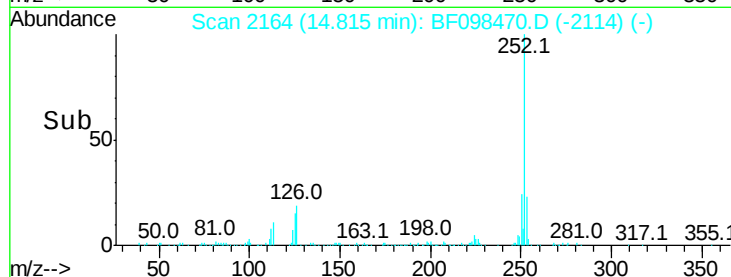
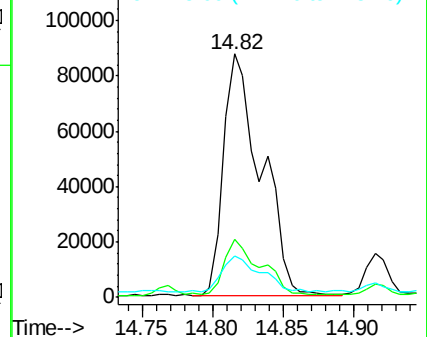
125 17.2 9.8 14.8#



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: 9.491 ng

RT: 14.82 min Scan# 2164

Delta R.T. -0.04 min

Lab File: BF098470.D

Acq: 13 Sep 2017 00:29

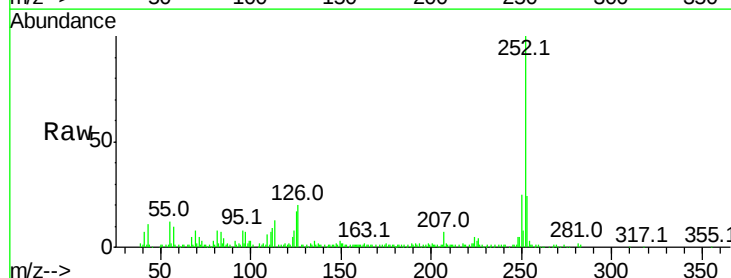
Tgt Ion:252 Resp: 163446

Ion Ratio Lower Upper

252 100

253 23.9 18.4 27.6

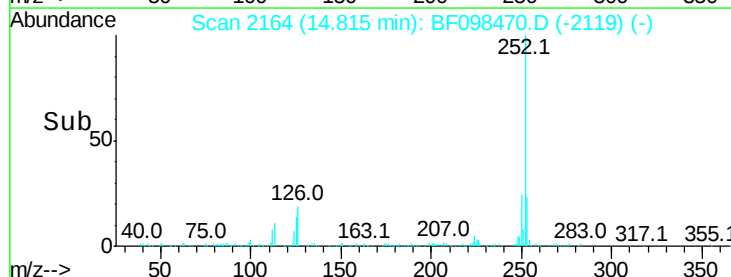
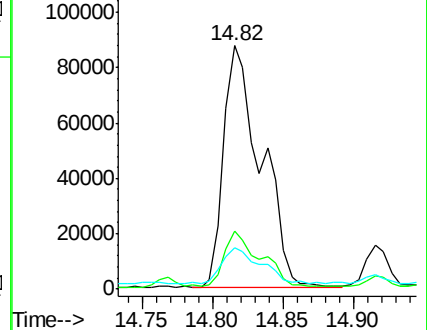
125 17.2 13.1 19.7

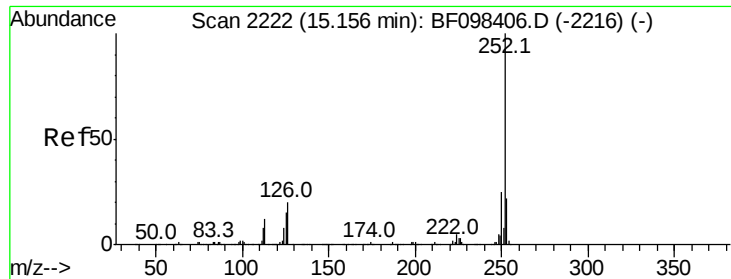


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

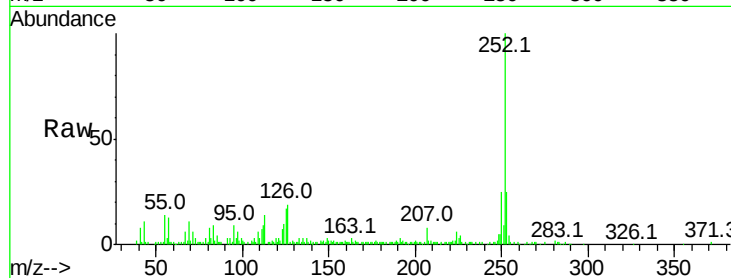




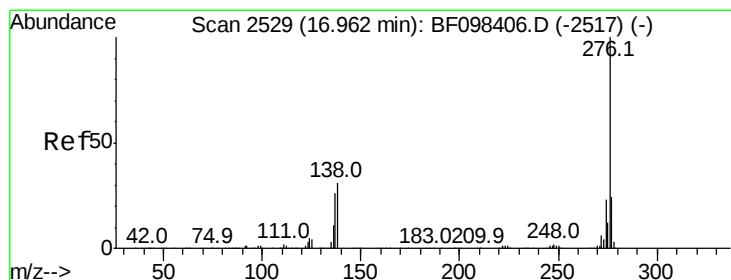
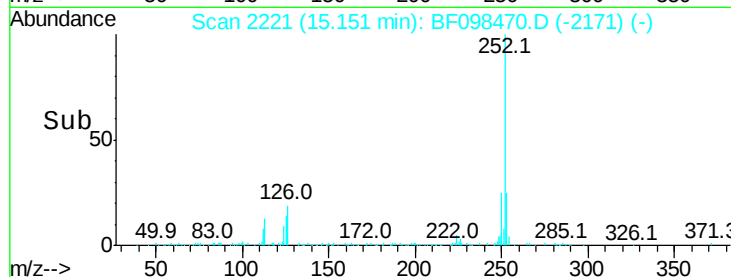
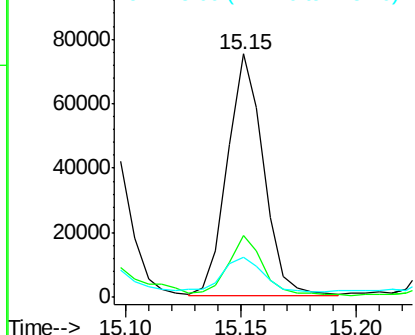
#89
Benzo(a)pyrene
Concen: 4.941 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF098470.D
Acq: 13 Sep 2017 00:29

Instrument :
BNA_F
ClientSampled :
RL-13-0-16

Tot Ion:252 Resp: 81203
Ion Ratio Lower Upper
252 100
253 25.2 17.5 26.3
125 16.5 11.0 16.4#

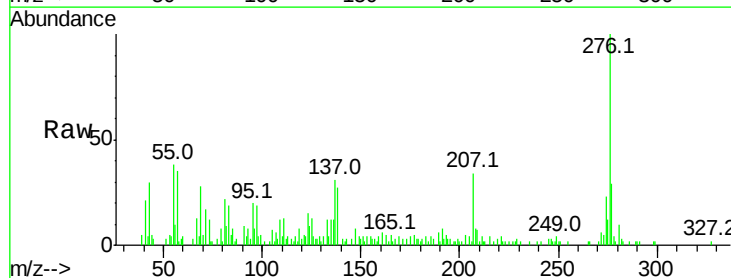


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.838 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BF098470.D
Acq: 13 Sep 2017 00:29

Tgt Ion:276 Resp: 34127
Ion Ratio Lower Upper
276 100
277 29.2 18.6 28.0#
138 26.5 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

