

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101348.D
 Acq On : 12 Dec 2017 23:35
 Operator : SJ/JU
 Sample : I6814-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 13 00:44:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	40246	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	154466	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	66722	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	115803	20.00	ng	0.00
75) Chrysene-d12	14.00	240	94101	20.00	ng	0.00
86) Perylene-d12	15.49	264	78376	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	252708	103.76	ng	0.00
7) Phenol-d6	6.46	99	307654	104.04	ng	0.00
23) Nitrobenzene-d5	7.39	82	181665	70.16	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	68948	86.02	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	333533	68.39	ng	0.00
78) Terphenyl-d14	12.94	244	258911	60.18	ng	0.00

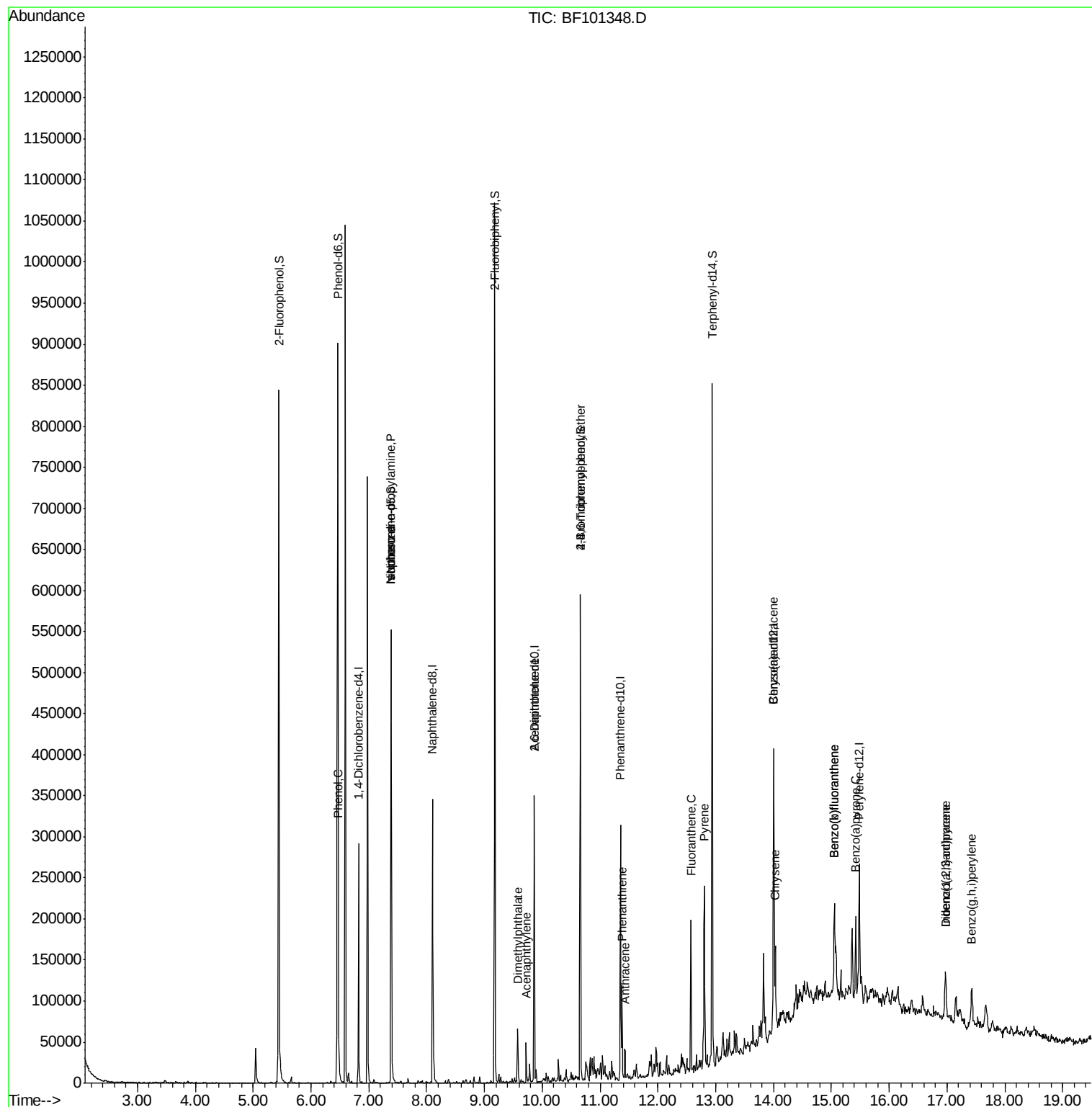
Target Compounds				Qvalue		
10) Phenol	6.47	94	10218	3.108	ng	87
19) n-Nitroso-di-n-propylamine	7.39	70	23790	11.946	ng	# 80
25) Isophorone	7.39	82	181663	41.072	ng	# 64
48) Acenaphthylene	9.72	152	20607	2.888	ng	98
49) Dimethylphthalate	9.57	163	24855	4.619	ng	# 96
50) 2,6-Dinitrotoluene	9.86	165	8195	7.231	ng	# 24
66) 4-Bromophenyl-phenylether	10.66	248	4478	3.455	ng	# 1
70) Phenanthrene	11.38	178	45674	7.162	ng	97
71) Anthracene	11.43	178	16542	2.563	ng	99
74) Fluoranthene	12.57	202	75268	10.648	ng	94
77) Pyrene	12.80	202	83697	12.890	ng	97
80) Benzo(a)anthracene	14.00	228	47362	7.972	ng	94
82) Chrysene	14.03	228	42830	7.762	ng	98
85) Indeno(1,2,3-cd)pyrene	16.97	276	28464	5.802	ng	# 90
87) Benzo(b)fluoranthene	15.05	252	83337	17.752	ng	97
88) Benzo(k)fluoranthene	15.05	252	83337	18.018	ng	97
89) Benzo(a)pyrene	15.42	252	45816	10.735	ng	96
90) Dibenzo(a,h)anthracene	16.97	278	10084	2.680	ng	# 66
91) Benzo(a,h,i)perylene	17.43	276	34854	9.829	ng	94

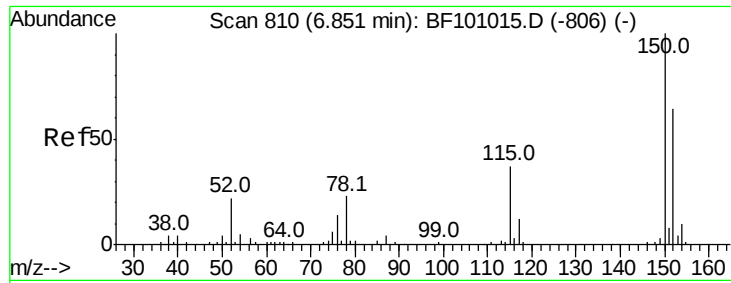
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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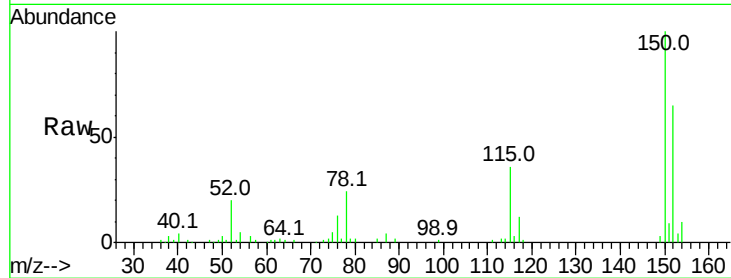


#1

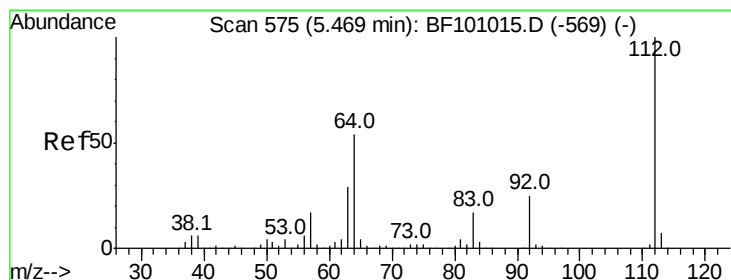
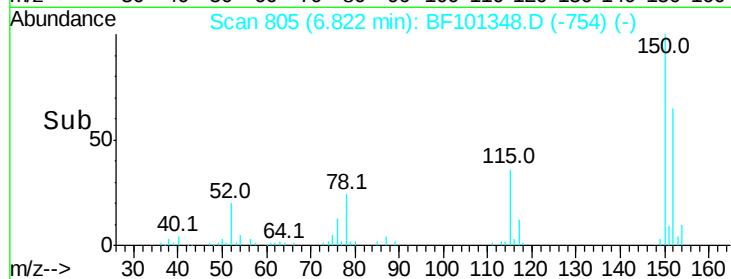
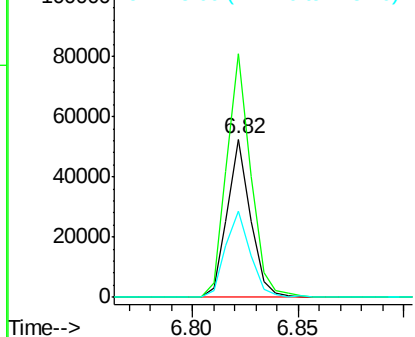
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF101348.D
Acq: 12 Dec 2017 23:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 40246
Ion Ratio Lower Upper
152 100
150 153.9 124.6 186.8
115 54.7 50.1 75.1



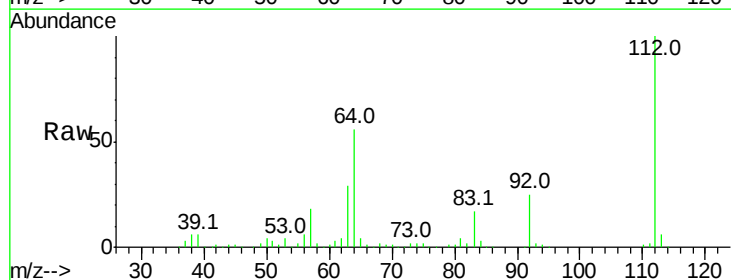
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



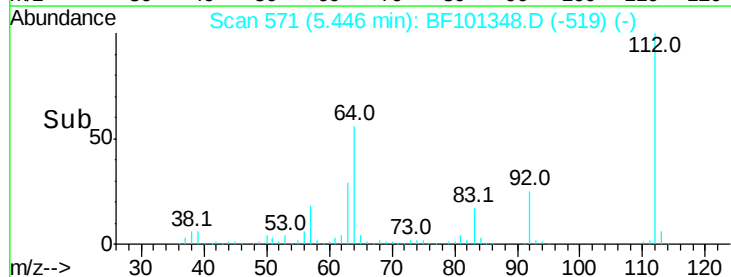
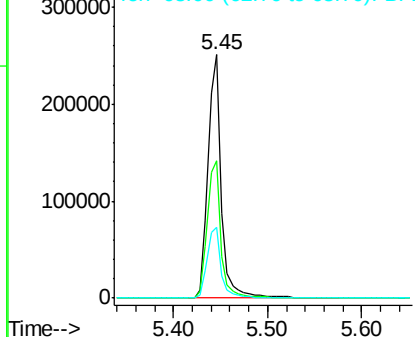
#5

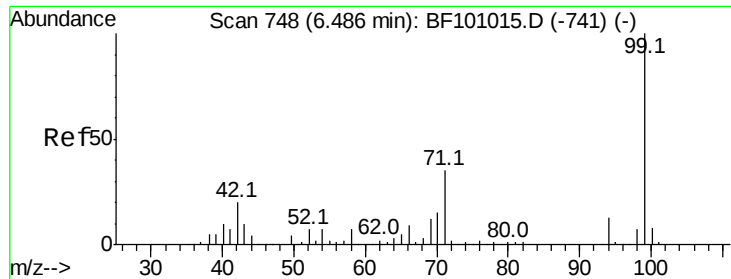
2-Fluorophenol
Concen: 103.758 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF101348.D
Acq: 12 Dec 2017 23:35

Tgt Ion:112 Resp: 252708
Ion Ratio Lower Upper
112 100
64 56.3 47.9 71.9
63 29.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 104.043 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF101348.D

Acq: 12 Dec 2017 23:35

Instrument :

BNA_F

ClientSampleId :

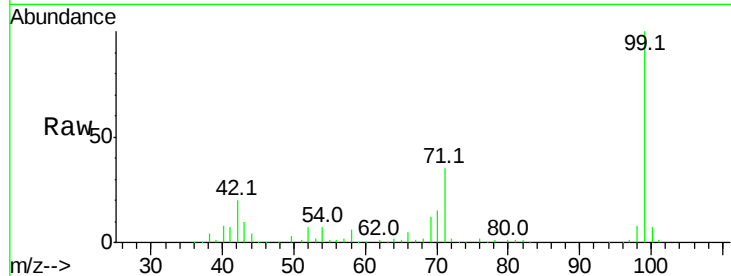
Tot Ion: 99 Resp: 307654

Ion Ratio Lower Upper

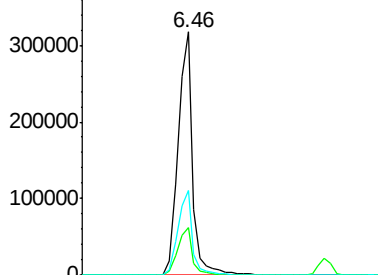
99 100

42 19.6 14.5 21.7

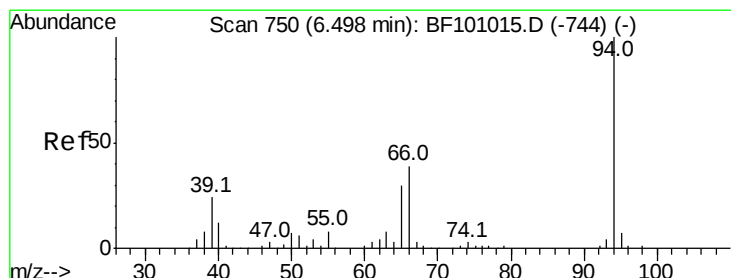
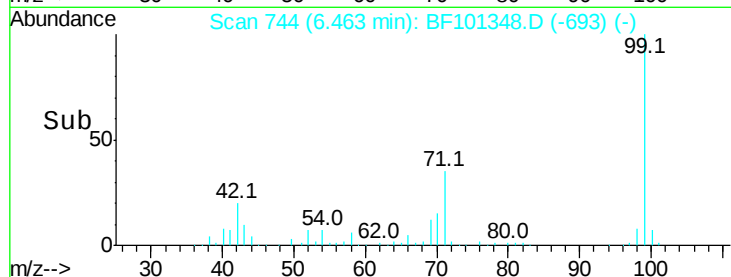
71 34.7 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



Time-->



#10

Phenol

Concen: 3.108 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF101348.D

Acq: 12 Dec 2017 23:35

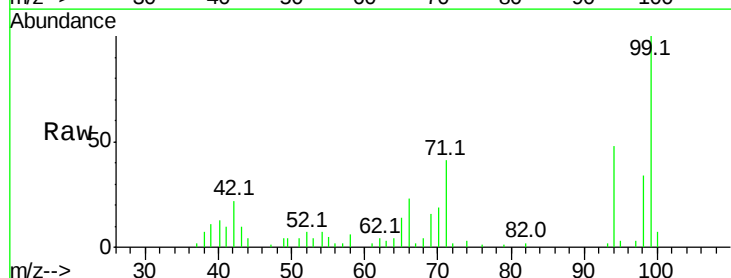
Tgt Ion: 94 Resp: 10218

Ion Ratio Lower Upper

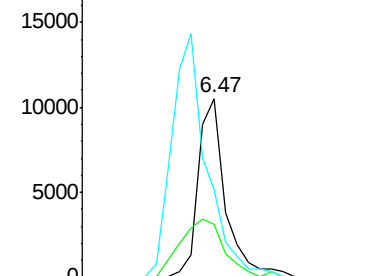
94 100

65 29.5 7.9 47.9

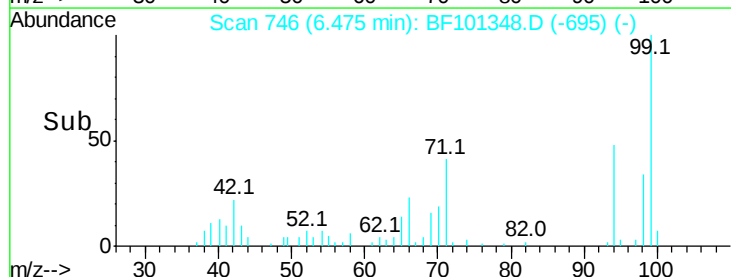
66 48.7 16.2 56.2

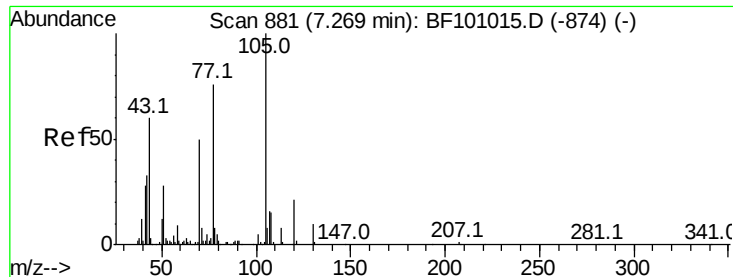


Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



Time-->

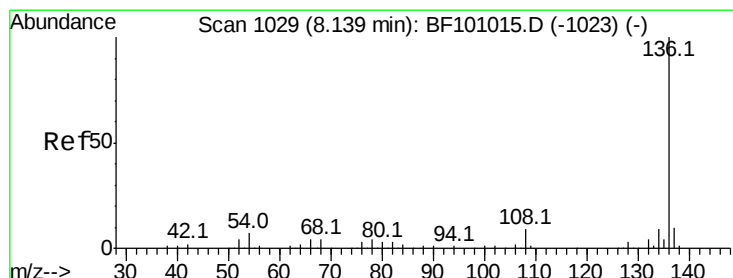
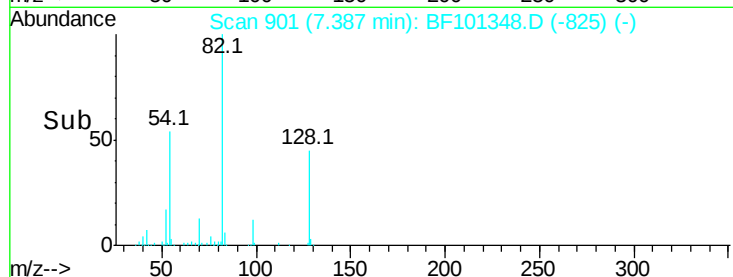
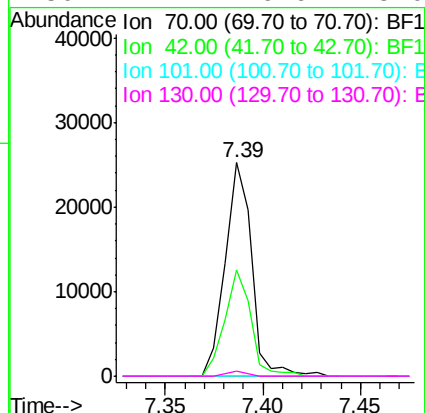
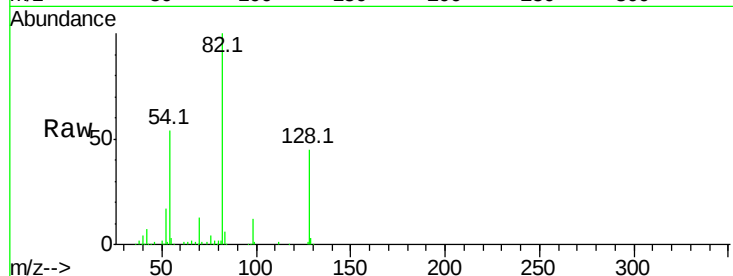




#19
n-Nitroso-di-n-propylamine
Concen: 11.946 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF101348.D
Acq: 12 Dec 2017 23:35

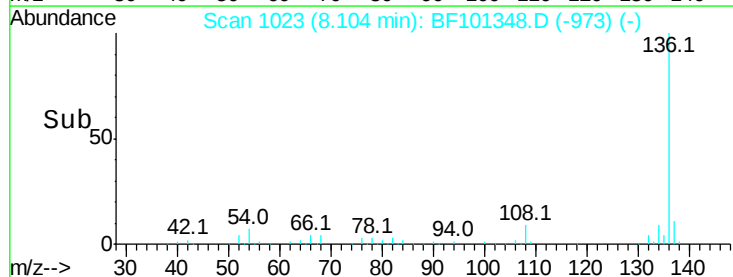
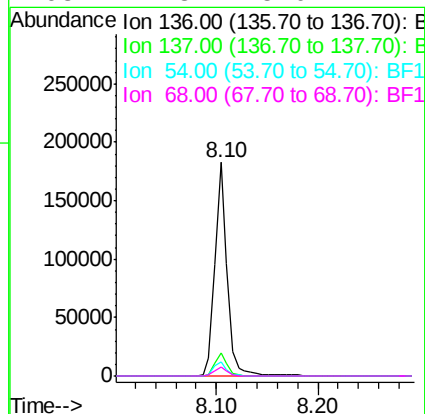
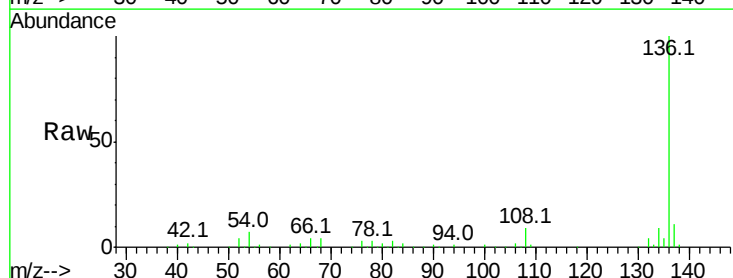
Instrument :
BNA_F
ClientSampleId :

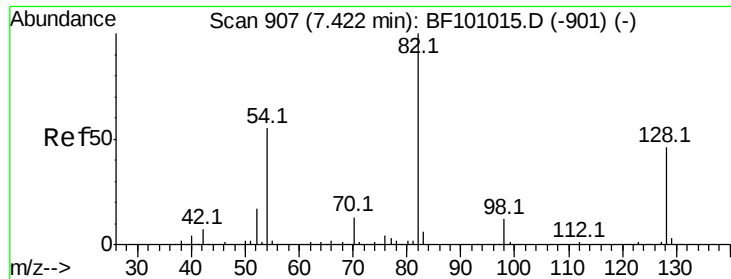
Tot Ion: 70 Resp: 23790
Ion Ratio Lower Upper
70 100
42 49.6 47.5 71.3
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF101348.D
Acq: 12 Dec 2017 23:35

Tgt Ion:136 Resp: 154466
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 6.8 6.6 9.8
68 4.3 5.0 7.4#

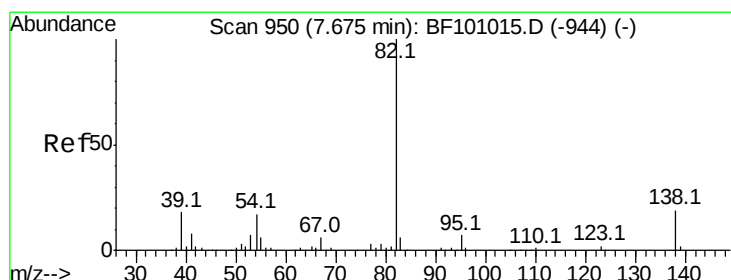
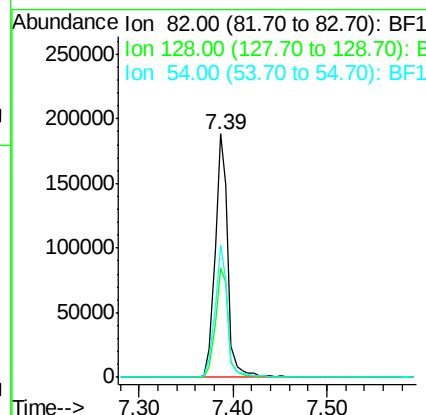
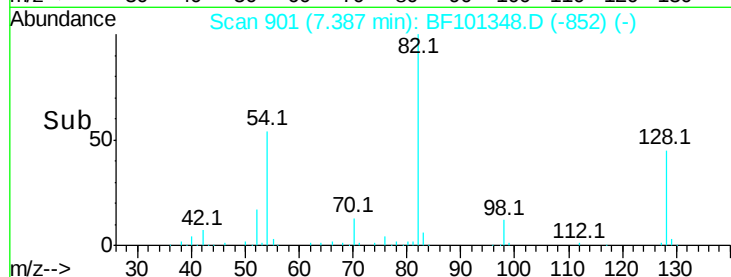
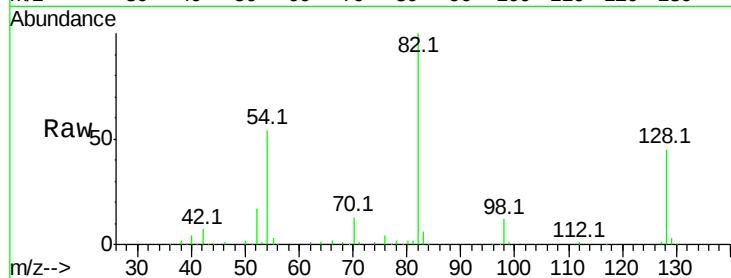




#23
 Nitrobenzene-d5
 Concen: 70.157 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: BF101348.D
 Acq: 12 Dec 2017 23:35

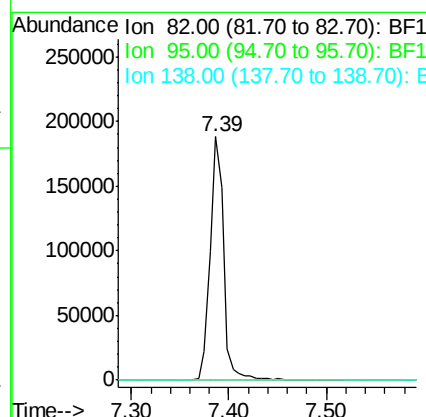
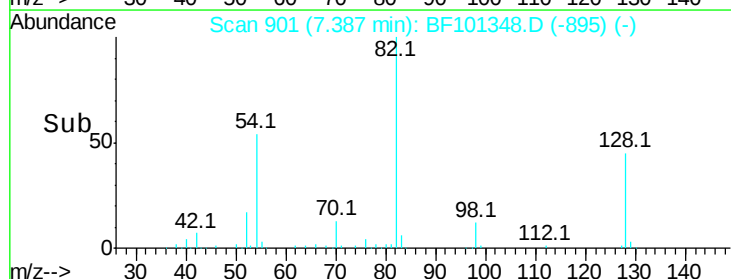
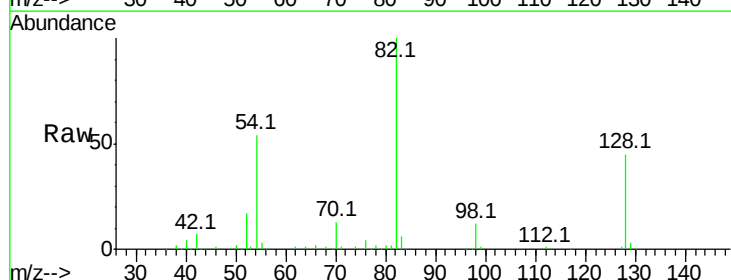
Instrument :
 BNA_F
 ClientSampleId :

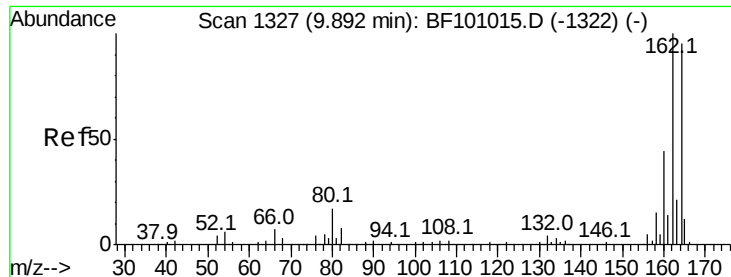
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.7	36.1	54.1
54	54.5	41.4	62.2



#25
 Isophorone
 Concen: 41.072 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.26 min
 Lab File: BF101348.D
 Acq: 12 Dec 2017 23:35

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

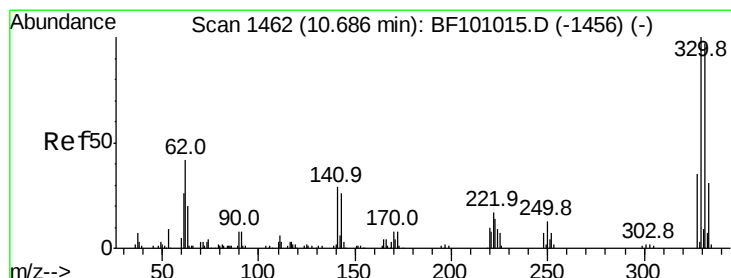
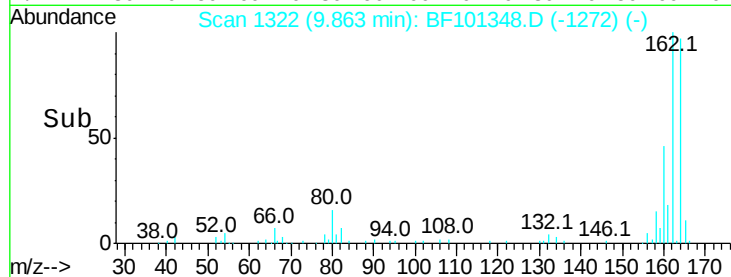
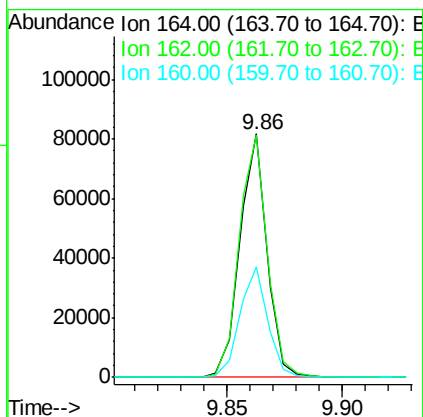
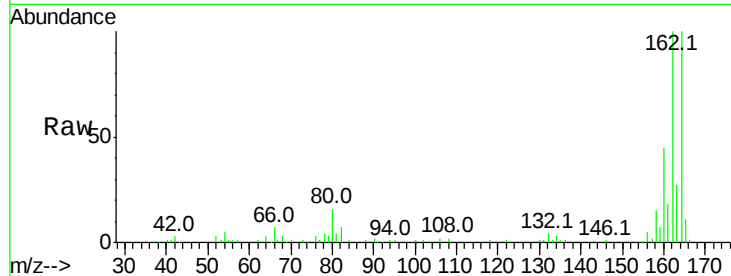




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF101348.D
 Acq: 12 Dec 2017 23:35

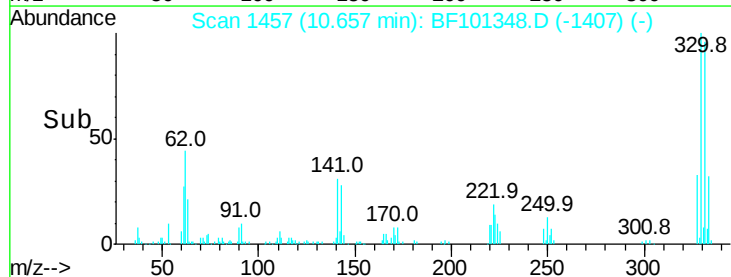
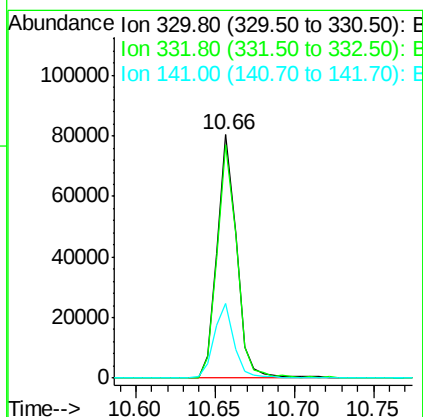
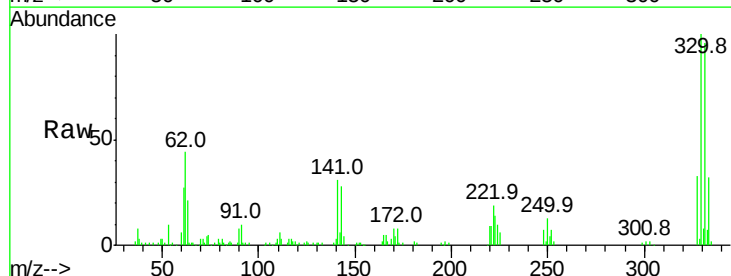
Instrument :
 BNA_F
 ClientSampleId :

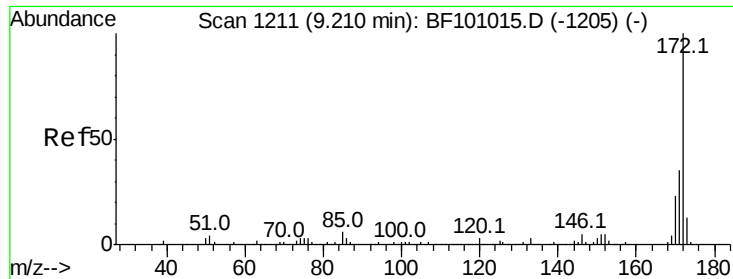
Tot Ion:164 Resp: 66722
 Ion Ratio Lower Upper
 164 100
 162 99.5 86.1 129.1
 160 45.3 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 86.021 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF101348.D
 Acq: 12 Dec 2017 23:35

Tgt Ion:330 Resp: 68948
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 31.3 29.9 44.9

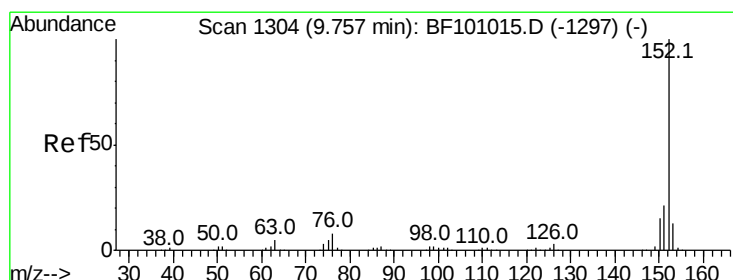
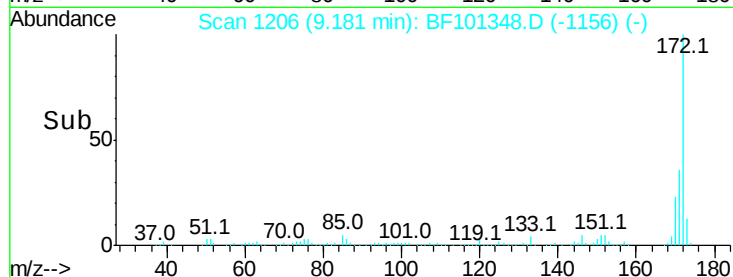
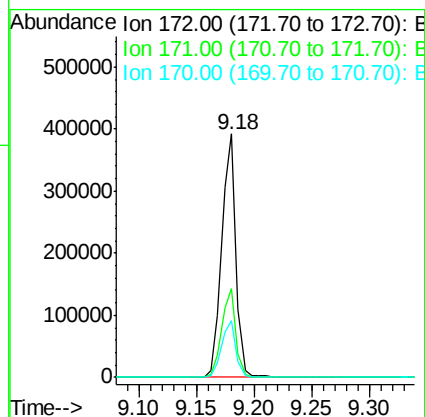
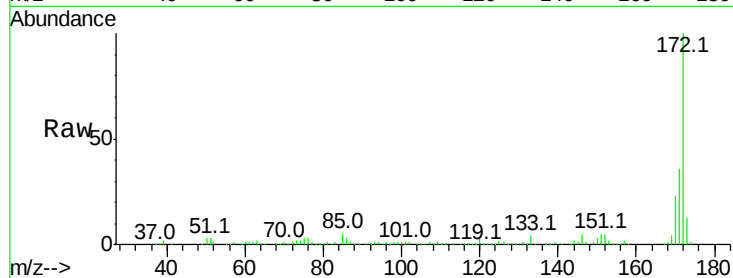




#44
 2-Fluorobiphenyl
 Concen: 68.394 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF101348.D
 Acq: 12 Dec 2017 23:35

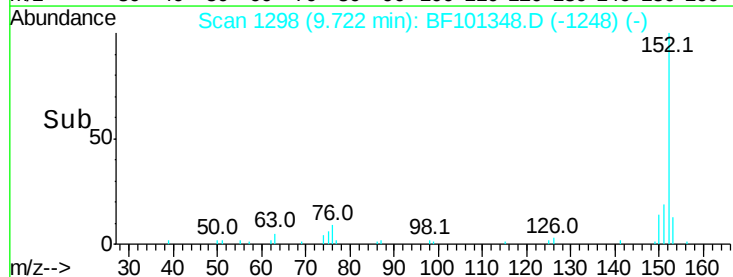
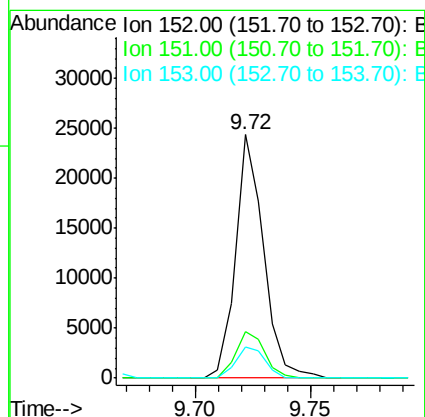
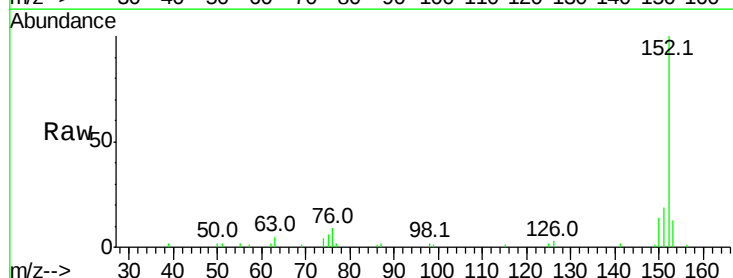
Instrument :
 BNA_F
 ClientSampled :

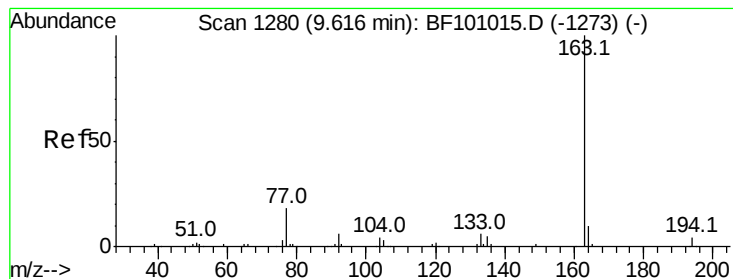
Tot Ion:172 Resp: 333533
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 23.3 19.6 29.4



#48
 Acenaphthylene
 Concen: 2.888 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BF101348.D
 Acq: 12 Dec 2017 23:35

Tgt Ion:152 Resp: 20607
 Ion Ratio Lower Upper
 152 100
 151 19.2 16.3 24.5
 153 12.9 10.7 16.1





#49

Dimethylphthalate

Concen: 4.619 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF101348.D

Acq: 12 Dec 2017 23:35

Instrument :

BNA_F

ClientSampleId :

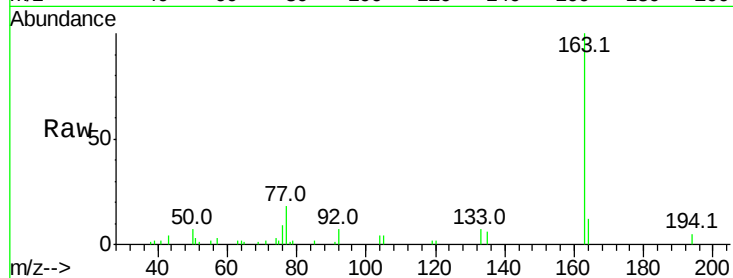
Tot Ion:163 Resp: 24855

Ion Ratio Lower Upper

163 100

194 4.7 2.7 4.1#

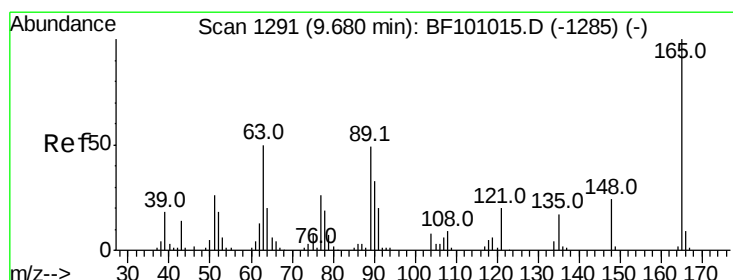
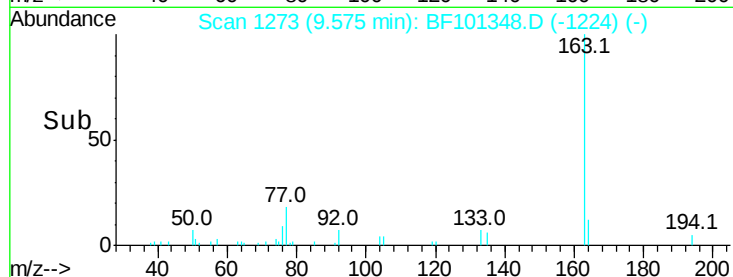
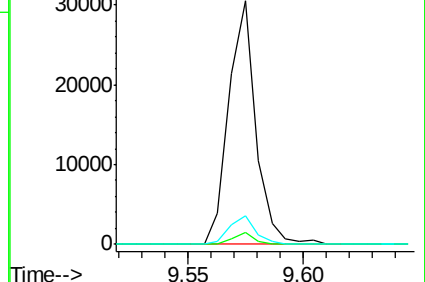
164 11.8 8.2 12.2



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: 7.231 ng

RT: 9.86 min Scan# 1322

Delta R.T. 0.21 min

Lab File: BF101348.D

Acq: 12 Dec 2017 23:35

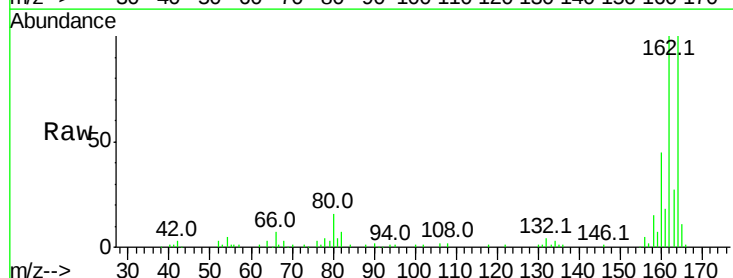
Tgt Ion:165 Resp: 8195

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

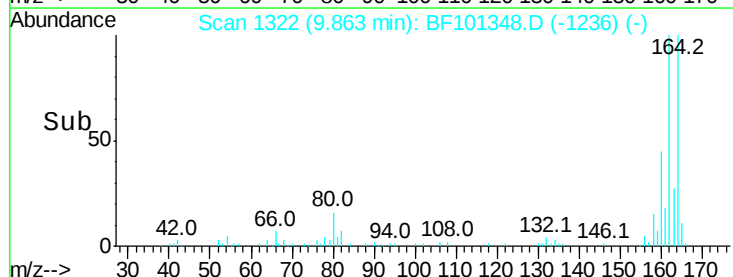
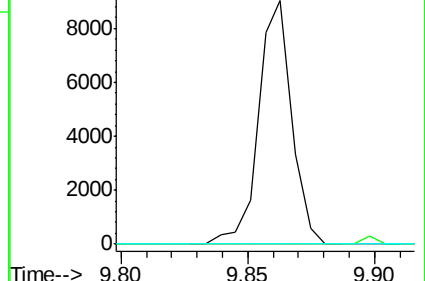
89 0.0 44.0 66.0#

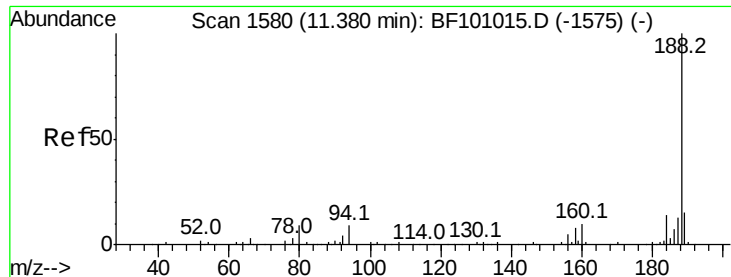


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF101348.D

Acq: 12 Dec 2017 23:35

Instrument :

BNA_F

ClientSampleId :

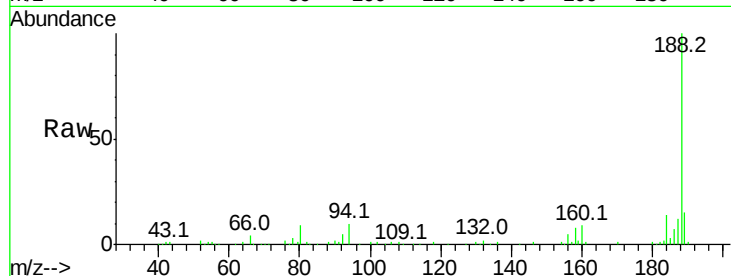
Tot Ion:188 Resp: 115803

Ion Ratio Lower Upper

188 100

94 9.5 8.5 12.7

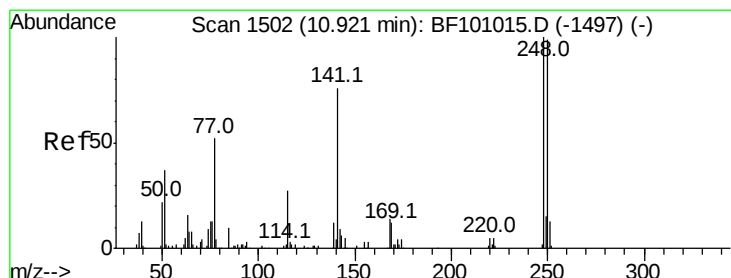
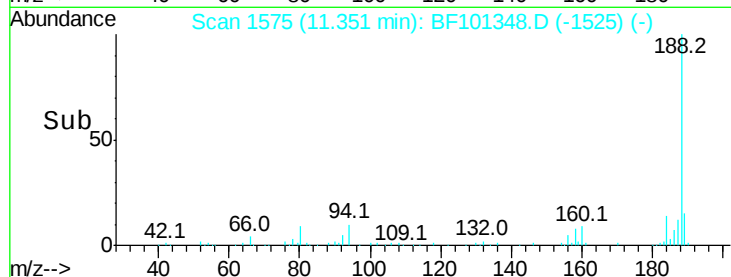
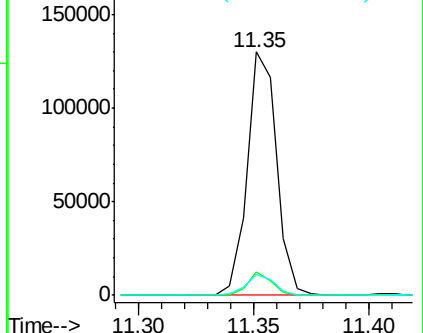
80 8.5 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#66

4-Bromophenyl-phenylether

Concen: 3.455 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.24 min

Lab File: BF101348.D

Acq: 12 Dec 2017 23:35

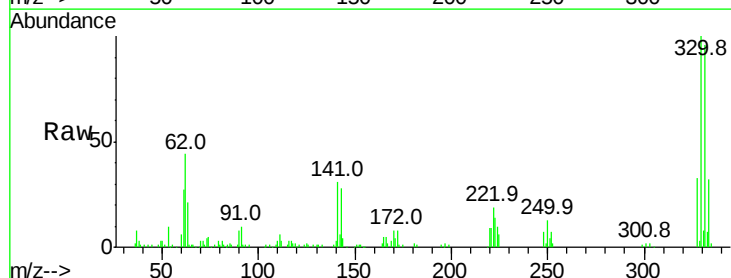
Tgt Ion:248 Resp: 4478

Ion Ratio Lower Upper

248 100

250 187.3 76.9 115.3#

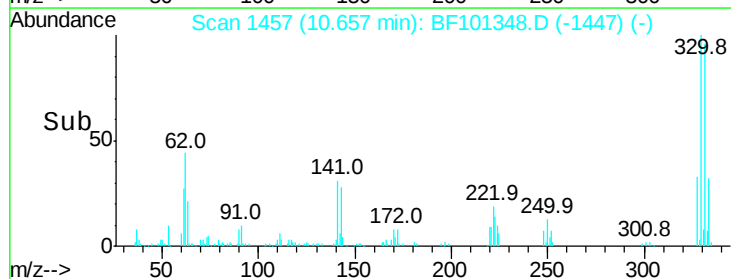
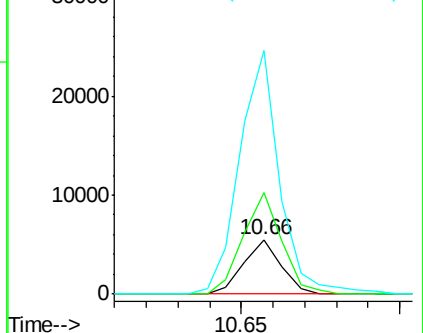
141 448.7 74.4 111.6#

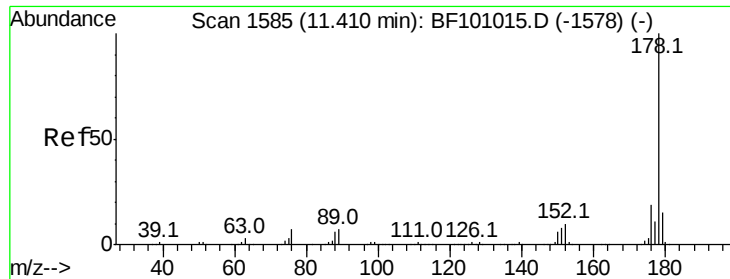


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

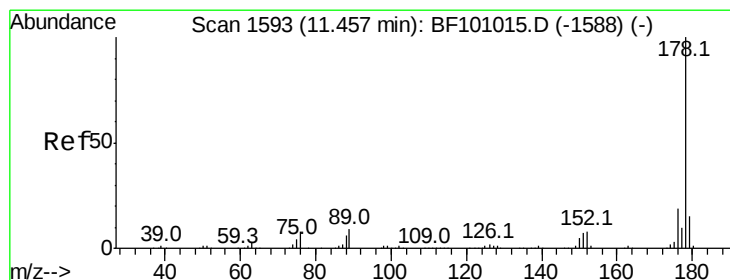
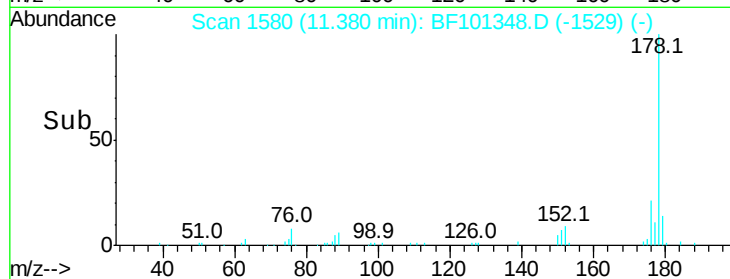
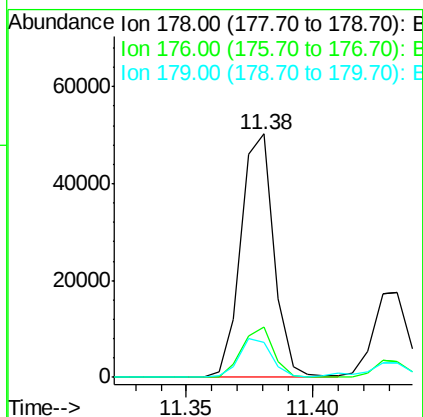
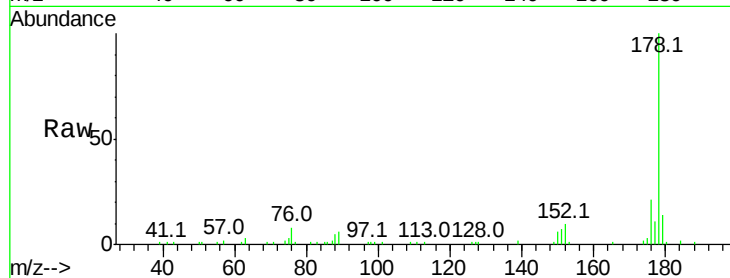




#70
 Phenanthrene
 Concen: 7.162 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF101348.D
 Acq: 12 Dec 2017 23:35

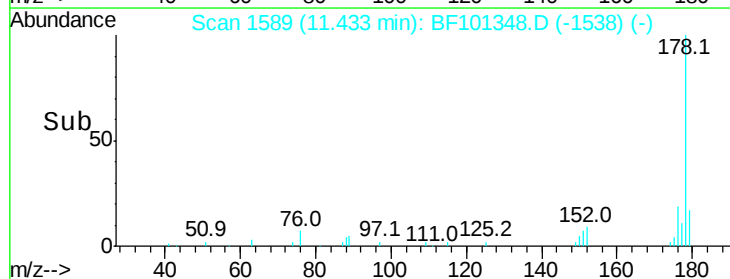
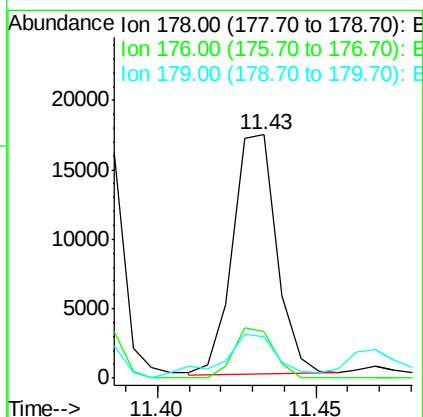
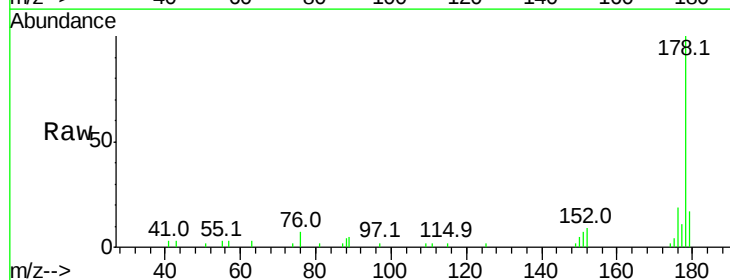
Instrument :
 BNA_F
 ClientSampleId :

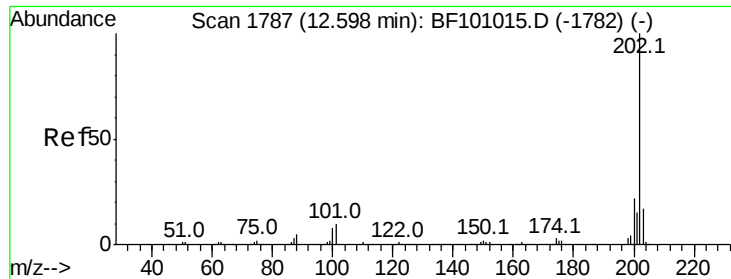
Tot Ion:178 Resp: 45674
 Ion Ratio Lower Upper
 178 100
 176 20.8 15.8 23.8
 179 14.5 13.0 19.6



#71
 Anthracene
 Concen: 2.563 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: BF101348.D
 Acq: 12 Dec 2017 23:35

Tgt Ion:178 Resp: 16542
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.2
 179 16.8 12.6 19.0





#74

Fluoranthene

Concen: 10.648 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.01 min

Lab File: BF101348.D

Acq: 12 Dec 2017 23:35

Instrument :

BNA_F

ClientSampleId :

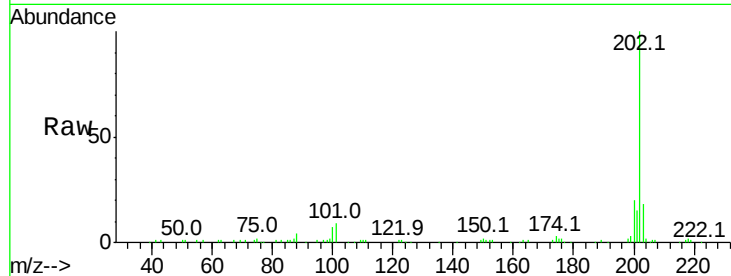
Tot Ion:202 Resp: 75268

Ion Ratio Lower Upper

202 100

101 8.9 0.0 34.1

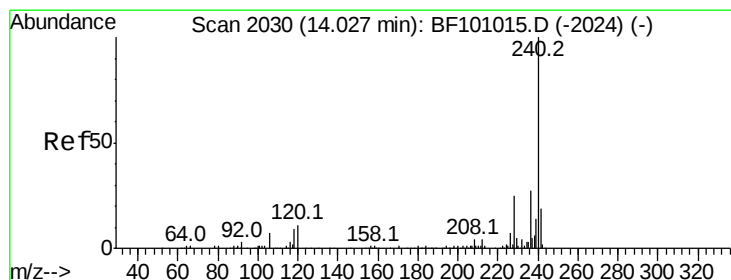
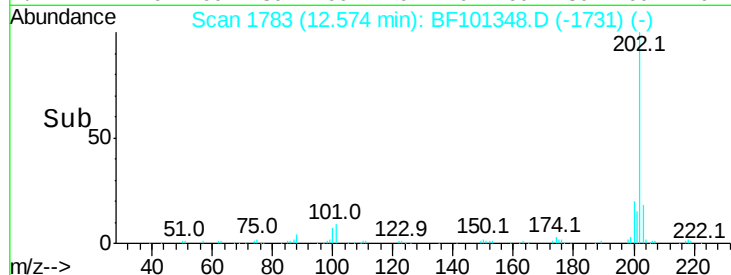
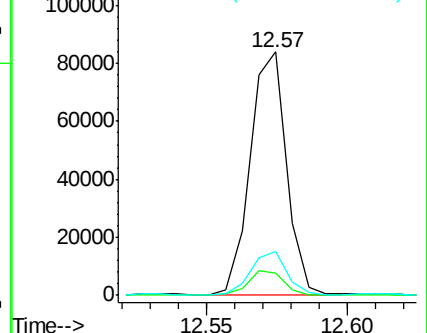
203 18.2 0.0 38.1



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: 14.00 min Scan# 2026

Delta R.T. 0.00 min

Lab File: BF101348.D

Acq: 12 Dec 2017 23:35

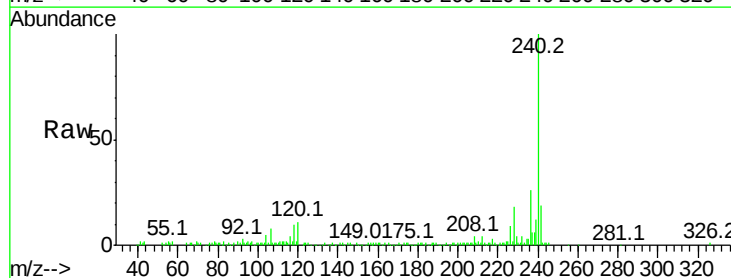
Tgt Ion:240 Resp: 94101

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

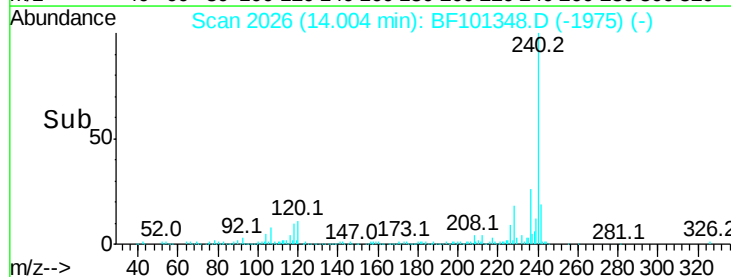
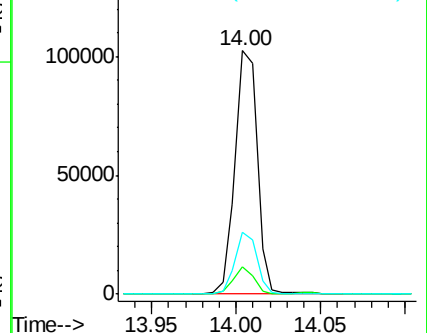
236 25.5 20.7 31.1

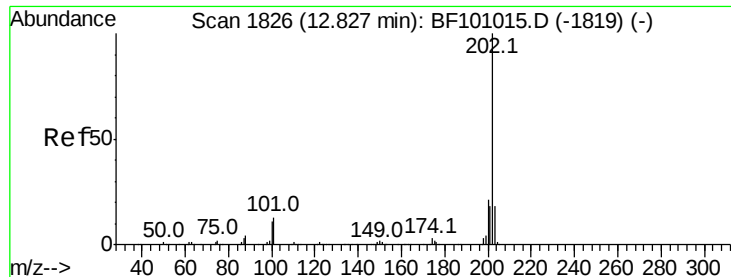


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

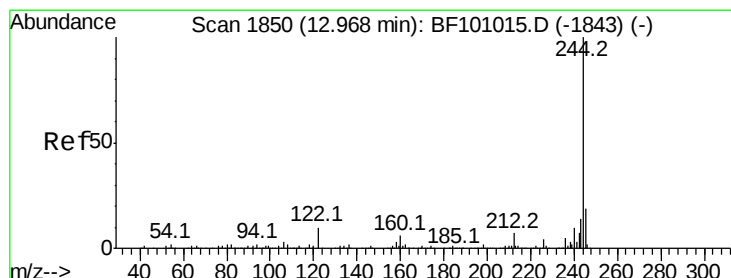
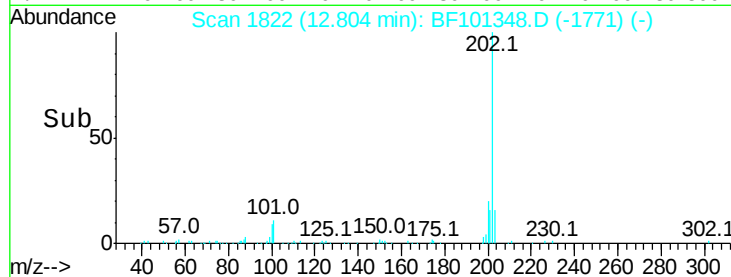
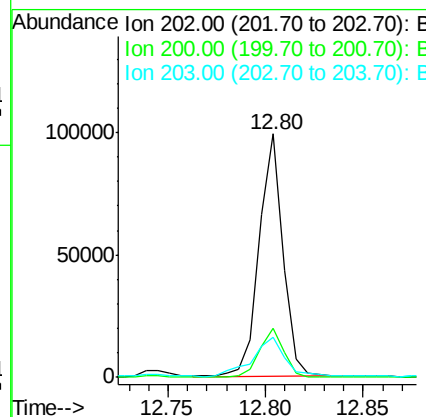
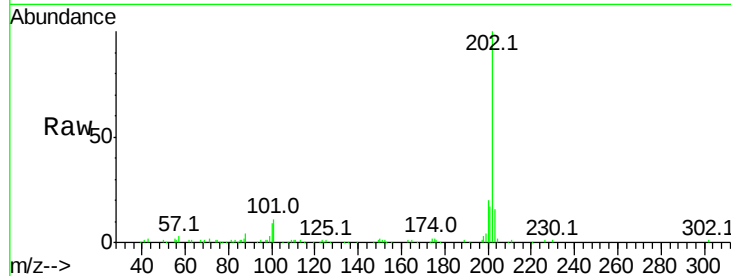




#77
Pvrene
Concen: 12.890 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF101348.D
Acq: 12 Dec 2017 23:35

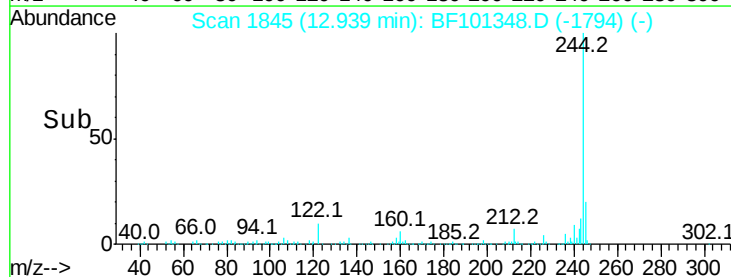
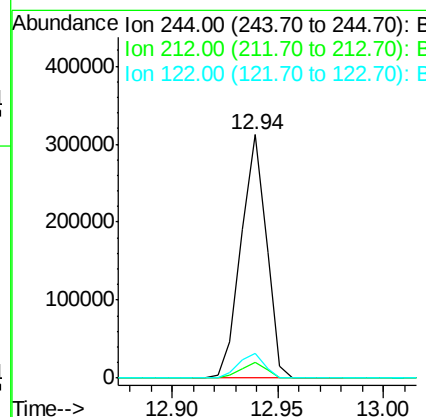
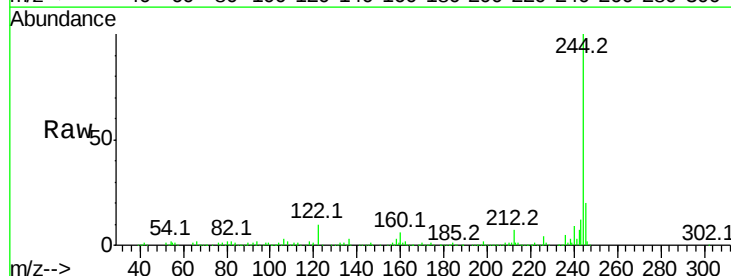
Instrument :
BNA_F
ClientSampled :

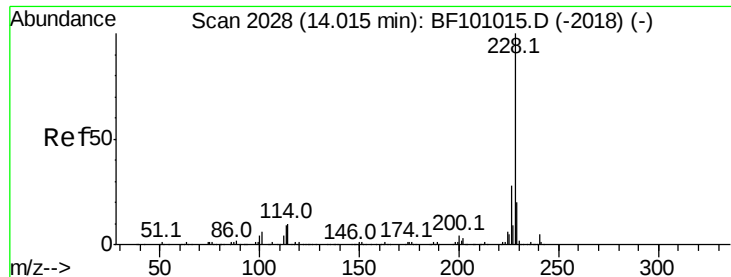
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.4	26.2
203	16.5	14.3	21.5



#78
Terphenyl-d14
Concen: 60.181 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BF101348.D
Acq: 12 Dec 2017 23:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.1	11.0	16.4#

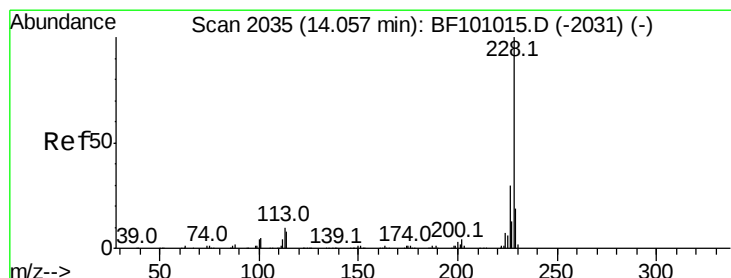
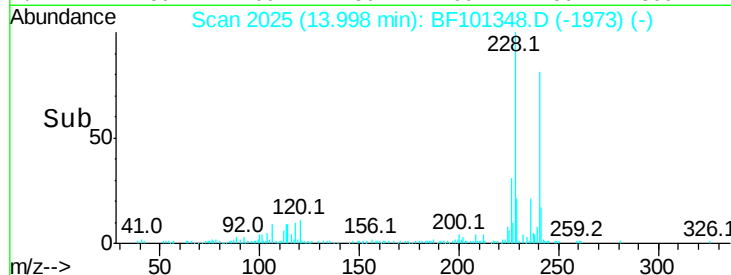
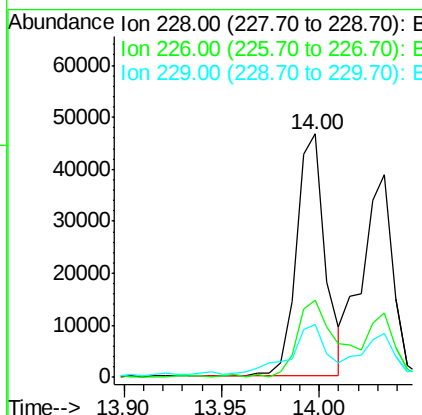
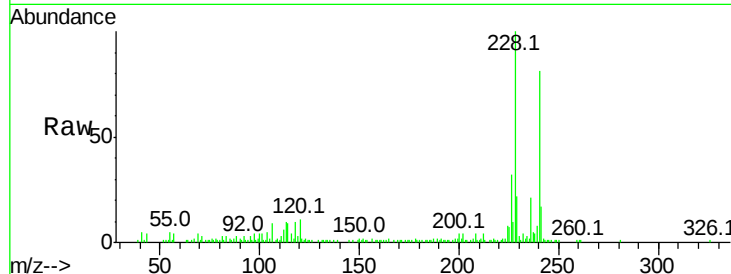




#80
Benzo(a)anthracene
Concen: 7.972 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF101348.D
Acq: 12 Dec 2017 23:35

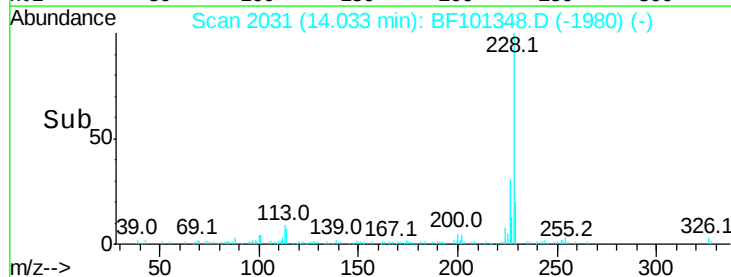
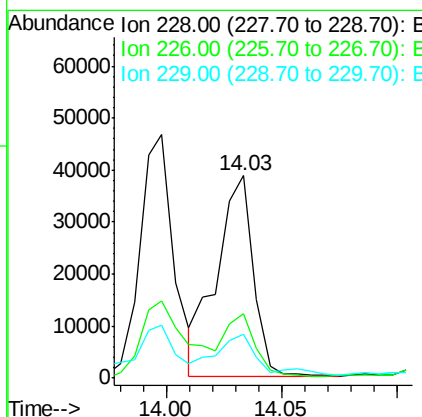
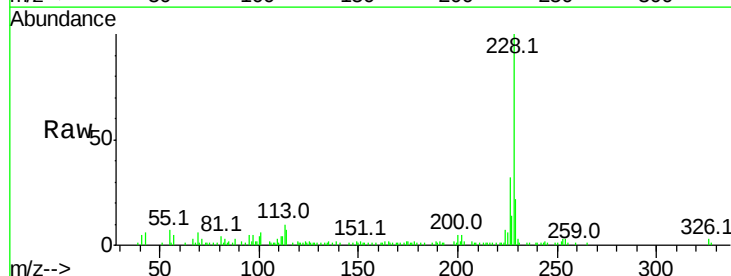
Instrument :
BNA_F
ClientSampleId :

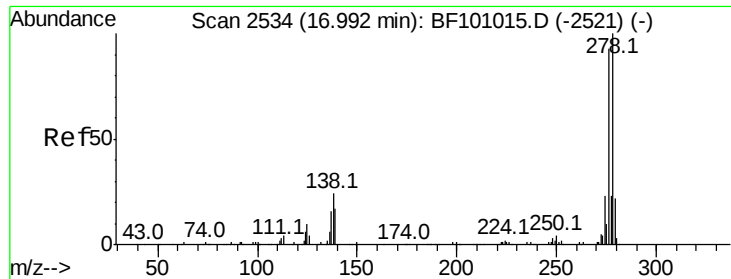
Tot Ion:228 Resp: 47362
Ion Ratio Lower Upper
228 100
226 31.8 22.6 33.8
229 22.0 15.8 23.6



#82
Chrysene
Concen: 7.762 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BF101348.D
Acq: 12 Dec 2017 23:35

Tgt Ion:228 Resp: 42830
Ion Ratio Lower Upper
228 100
226 31.9 25.0 37.6
229 21.5 16.2 24.4

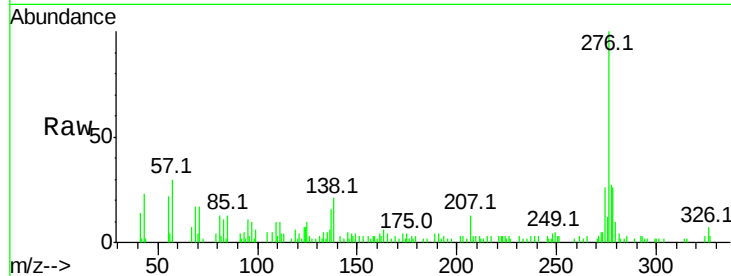




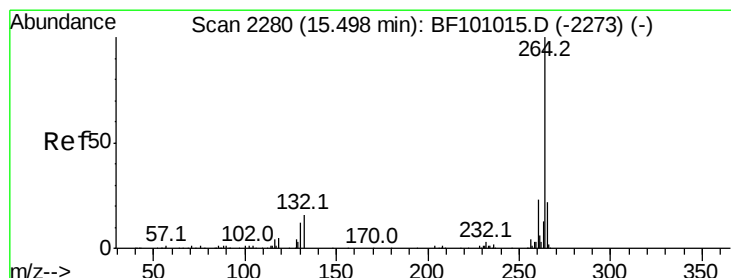
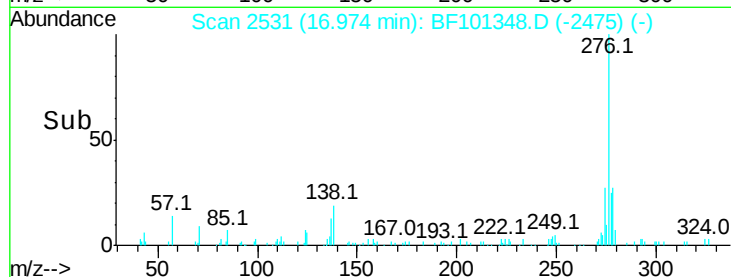
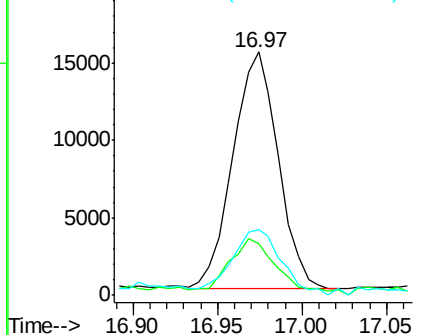
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.802 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. 0.03 min
 Lab File: BF101348.D
 Acq: 12 Dec 2017 23:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 28464
 Ion Ratio Lower Upper
 276 100
 138 26.8 25.0 37.6
 277 31.1 20.1 30.1#

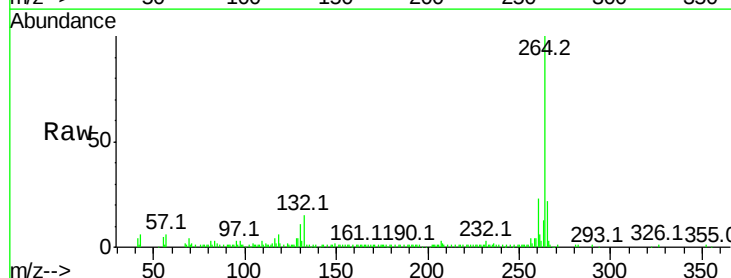


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

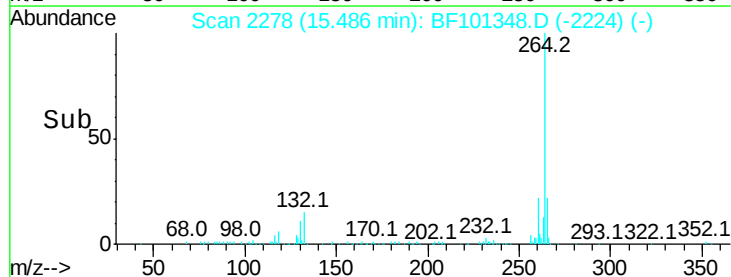
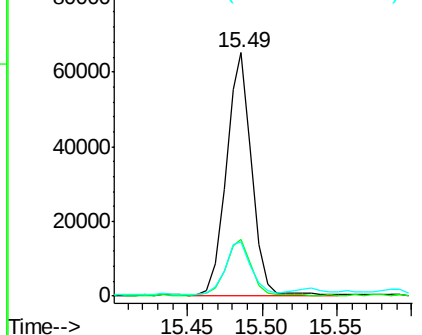


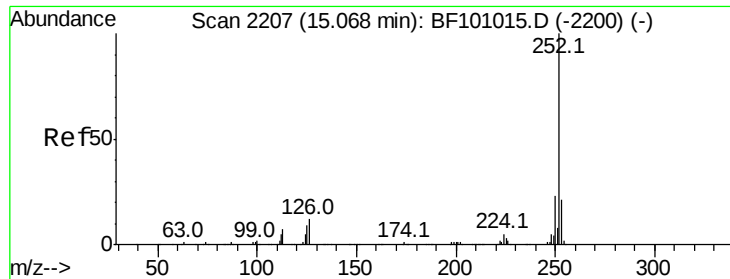
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. 0.02 min
 Lab File: BF101348.D
 Acq: 12 Dec 2017 23:35

Tgt Ion:264 Resp: 78376
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.2 28.8
 265 22.1 17.5 26.3



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

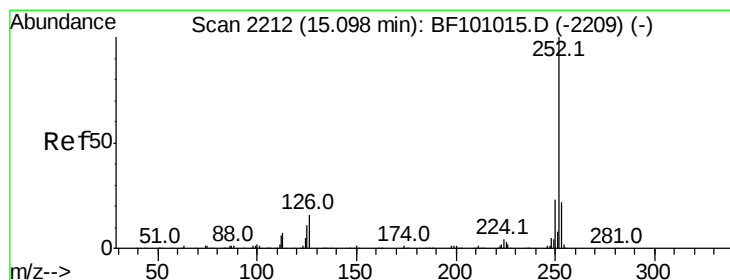
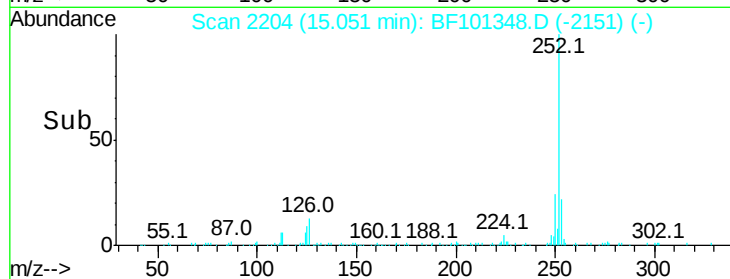
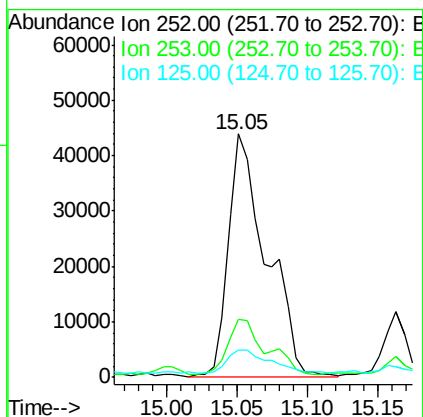
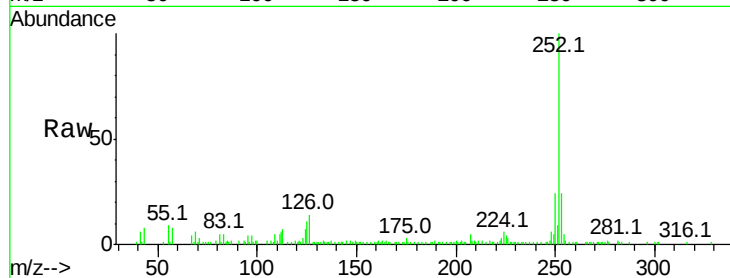




#87
Benzo(b)fluoranthene
Concen: 17.752 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101348.D
Acq: 12 Dec 2017 23:35

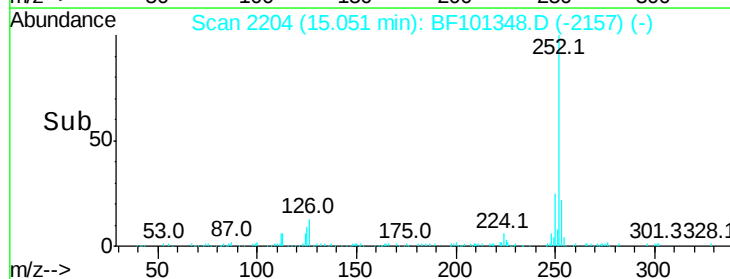
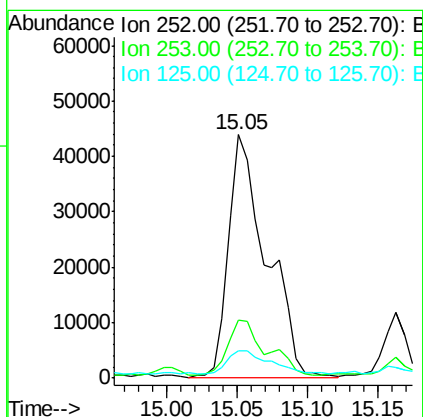
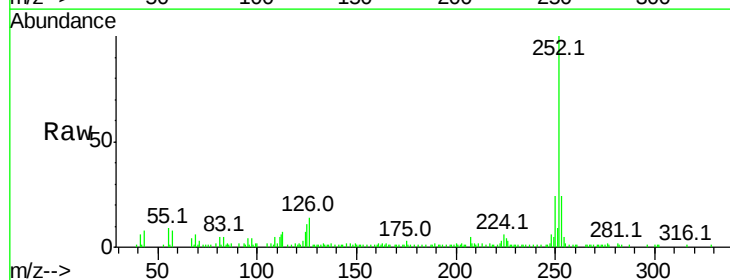
Instrument :
BNA_F
ClientSampleId :

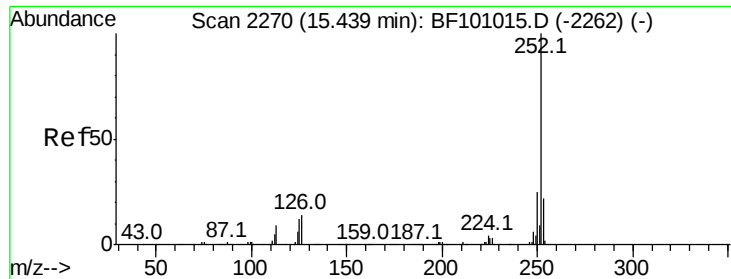
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	11.2	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 18.018 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF101348.D
Acq: 12 Dec 2017 23:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	11.2	10.2	15.2





#89

Benzo(a)pyrene

Concen: 10.735 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.01 min

Lab File: BF101348.D

Acq: 12 Dec 2017 23:35

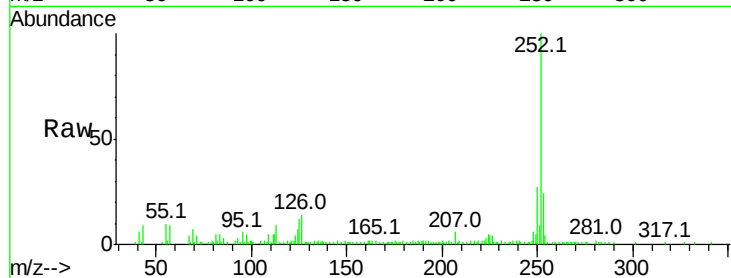
Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 45816

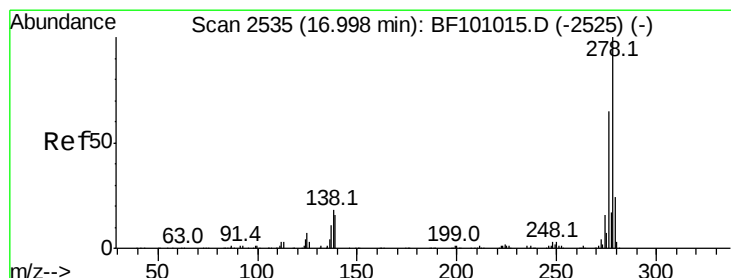
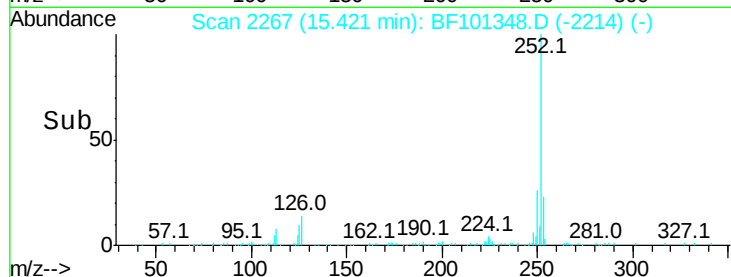
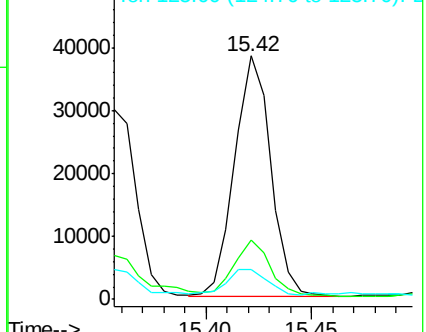
Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	12.4	9.8	14.6



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



#90

Dibenzo(a,h)anthracene

Concen: 2.680 ng

RT: 16.97 min Scan# 2531

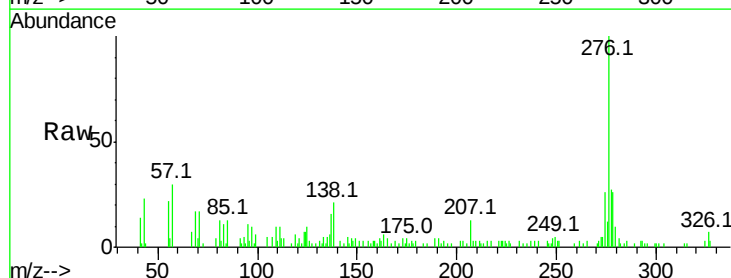
Delta R.T. 0.02 min

Lab File: BF101348.D

Acq: 12 Dec 2017 23:35

Tgt Ion:278 Resp: 10084

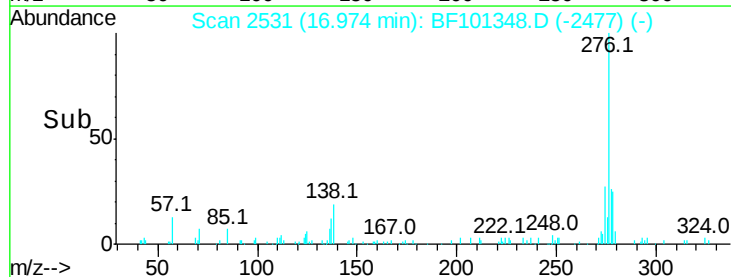
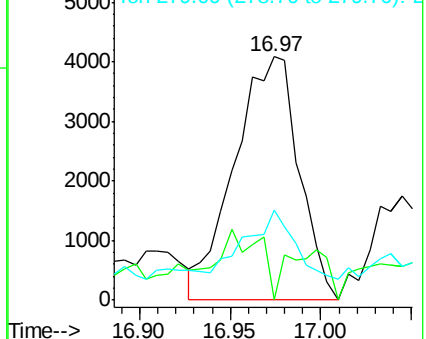
Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	36.9	19.0	28.4#

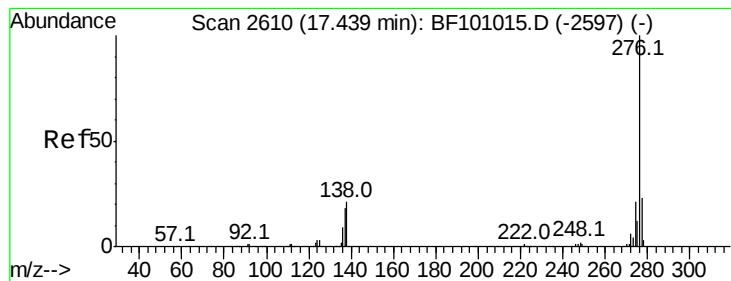


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

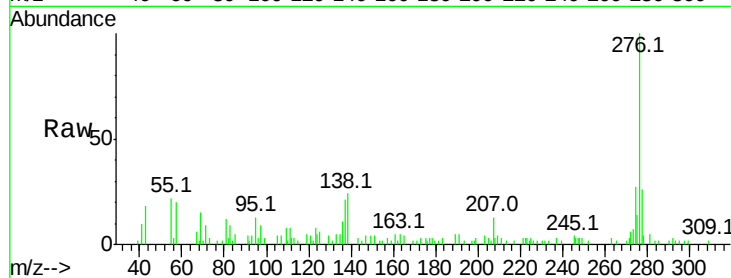




#91
 Benzo(a,h,i)perylene
 Concen: 9.829 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. 0.04 min
 Lab File: BF101348.D
 Acq: 12 Dec 2017 23:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 34854
 Ion Ratio Lower Upper
 276 100
 277 25.8 17.9 26.9
 138 24.2 21.8 32.8



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

