

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099637.D
 Acq On : 19 Oct 2017 00:29
 Operator : SJ/JU
 Sample : I5943-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 19 16:19:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 22:24:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	90025	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	317769	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	118181	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	200216	20.00	ng	0.00
75) Chrysene-d12	14.00	240	199231	20.00	ng	0.00
86) Perylene-d12	15.46	264	150375	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	273701	48.40	ng	0.00
7) Phenol-d6	6.47	99	309294	44.33	ng	-0.01
23) Nitrobenzene-d5	7.39	82	167511	33.81	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	46902	48.50	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	316509	44.71	ng	0.00
78) Terphenyl-d14	12.93	244	278909	31.84	ng	0.00

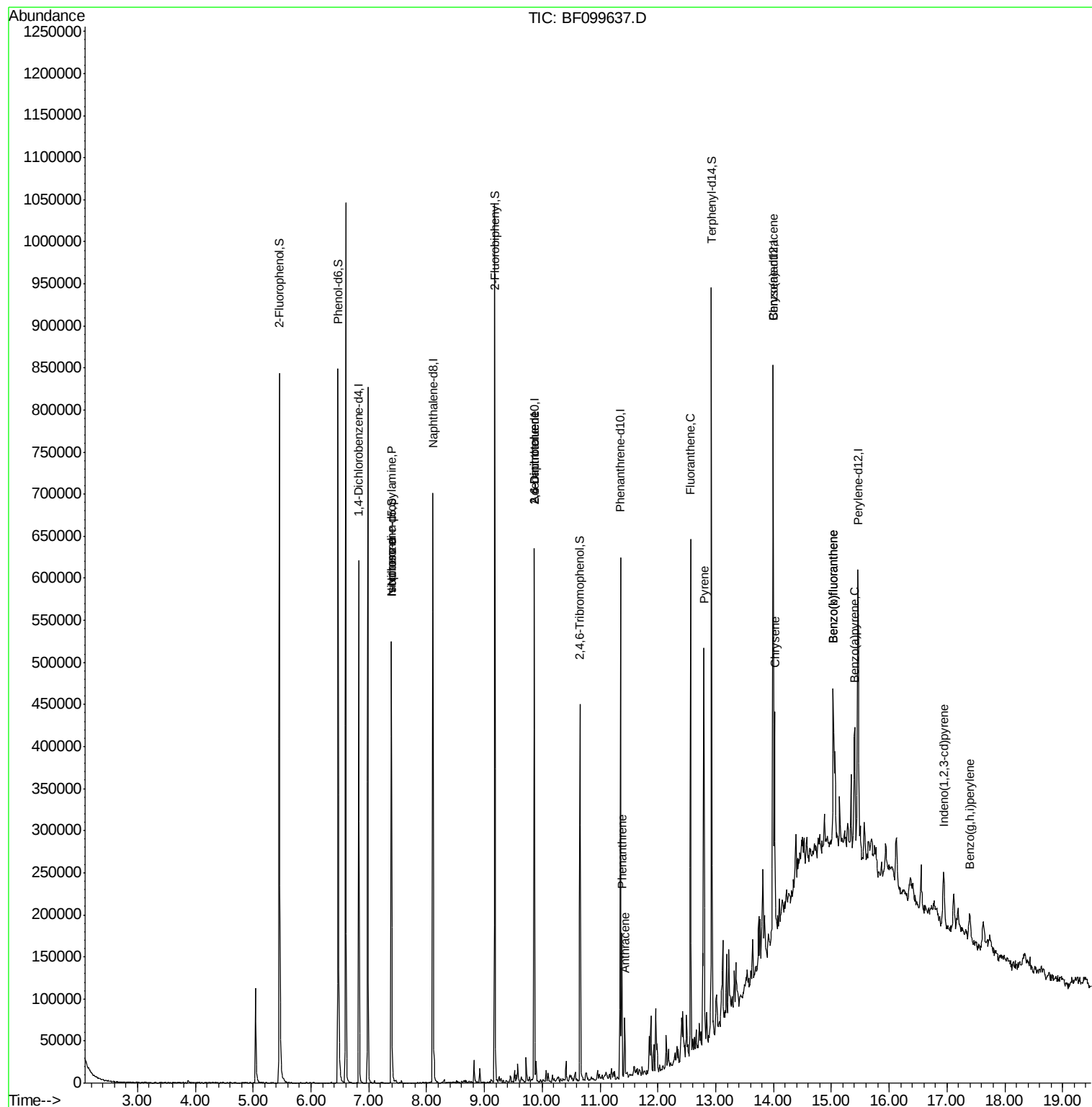
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	20565	4.617	ng	# 72
25) Isophorone	7.39	82	167510	16.351	ng	# 64
50) 2,6-Dinitrotoluene	9.86	165	15500	7.982	ng	# 24
56) 2,4-Dinitrotoluene	9.86	165	15500	6.150	ng	# 21
70) Phenanthrene	11.37	178	58119	5.423	ng	99
71) Anthracene	11.43	178	25800	2.353	ng	98
74) Fluoranthene	12.56	202	235059	21.660	ng	99
77) Pyrene	12.80	202	196893	12.960	ng	98
80) Benzo(a)anthracene	13.99	228	108290	8.976	ng	99
82) Chrysene	14.02	228	98046	8.537	ng	98
85) Indeno(1,2,3-cd)pyrene	16.94	276	29670	3.229	ng	99
87) Benzo(b)fluoranthene	15.03	252	134095	14.504	ng	# 90
88) Benzo(k)fluoranthene	15.03	252	134095	14.684	ng	# 93
89) Benzo(a)pyrene	15.40	252	62488	7.363	ng	# 92
91) Benzo(a,h,i)perylene	17.39	276	26451	3.940	ng	# 93

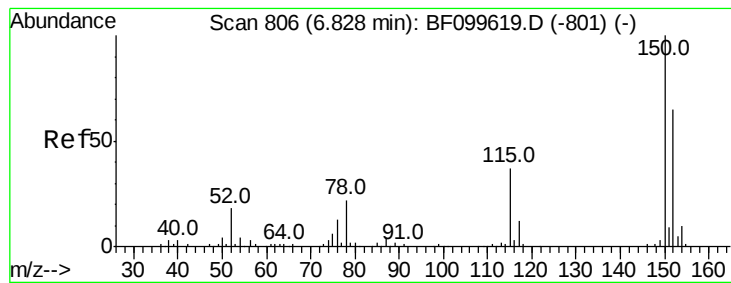
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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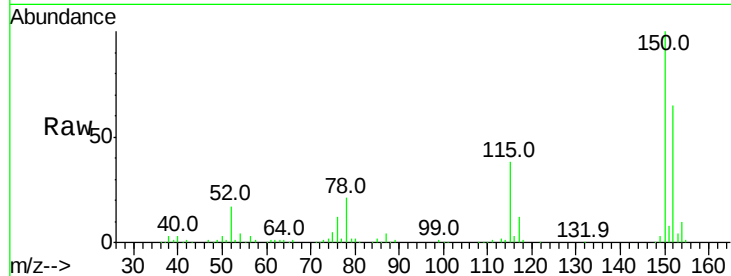


#1

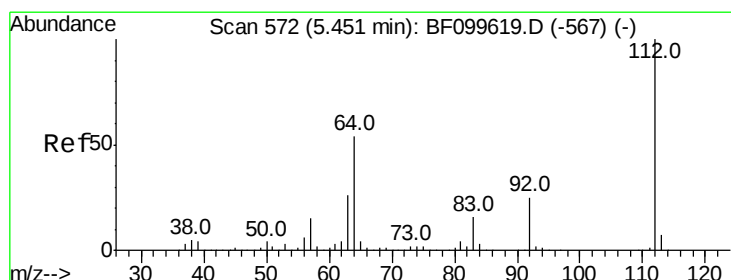
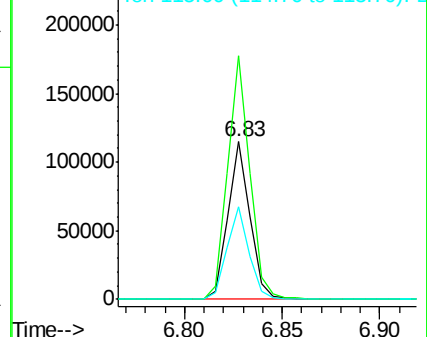
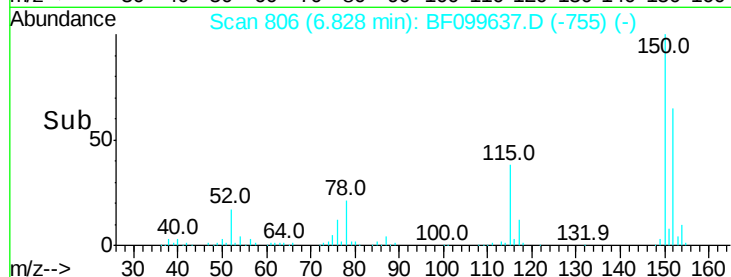
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF099637.D
Acq: 19 Oct 2017 00:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 90025
Ion Ratio Lower Upper
152 100
150 154.4 124.6 186.8
115 58.5 50.1 75.1



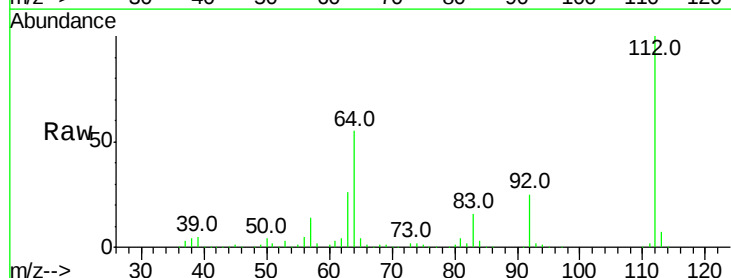
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



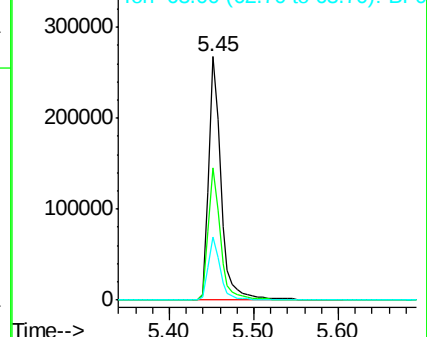
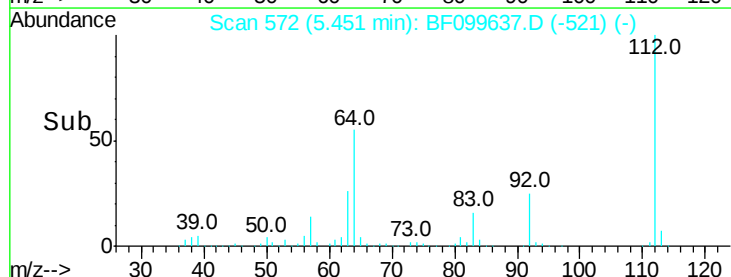
#5

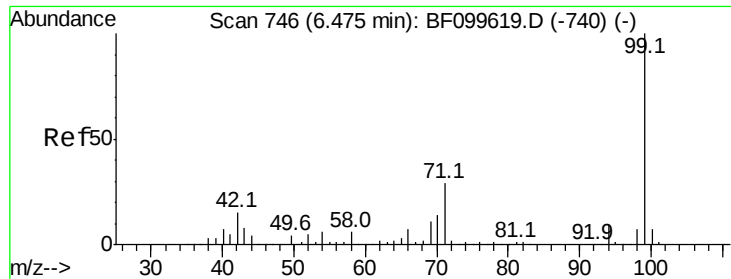
2-Fluorophenol
Concen: 48.398 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.00 min
Lab File: BF099637.D
Acq: 19 Oct 2017 00:29

Tgt Ion:112 Resp: 273701
Ion Ratio Lower Upper
112 100
64 54.5 47.9 71.9
63 26.1 23.7 35.5



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: 44.335 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

Instrument :

BNA_F

ClientSampleId :

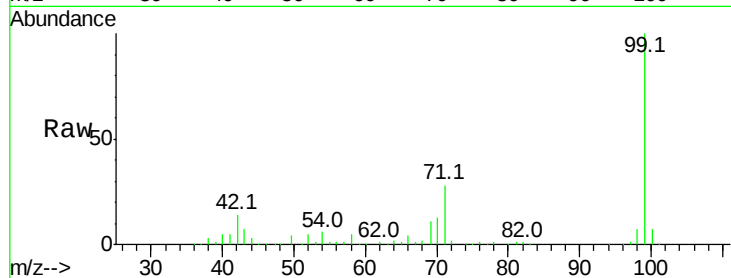
Tot Ion: 99 Resp: 309294

Ion Ratio Lower Upper

99 100

42 13.7 14.5 21.7#

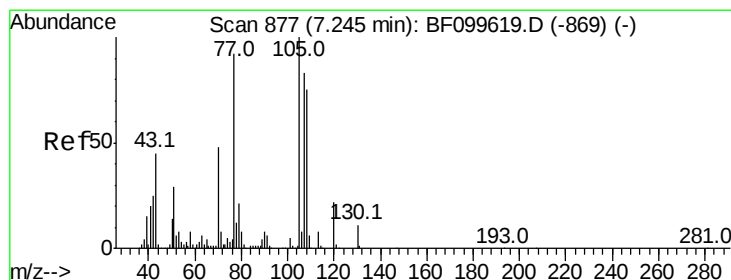
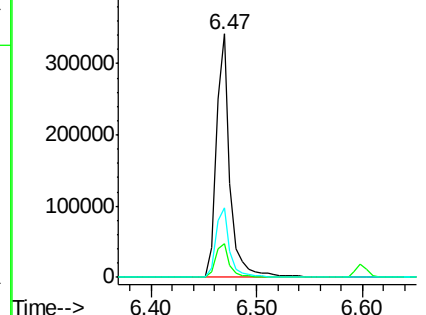
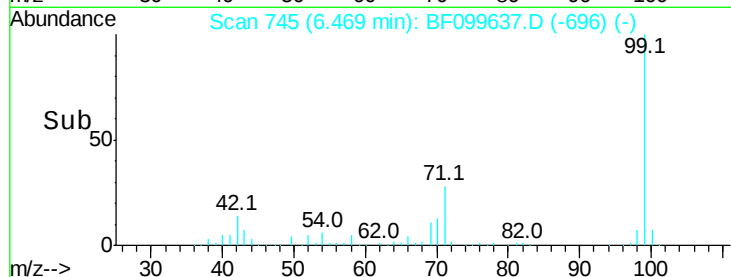
71 28.5 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 4.617 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.15 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

Tgt Ion: 70 Resp: 20565

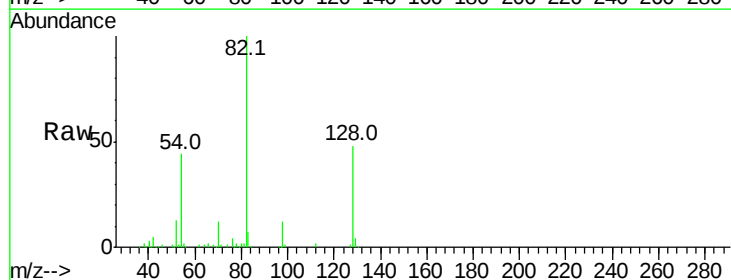
Ion Ratio Lower Upper

70 100

42 41.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

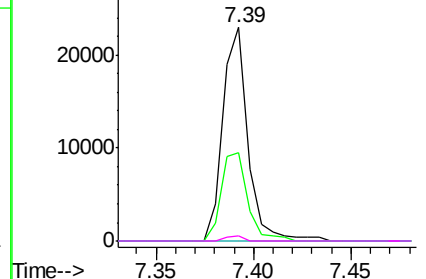
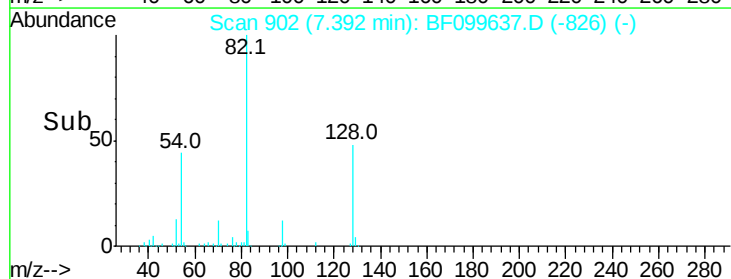


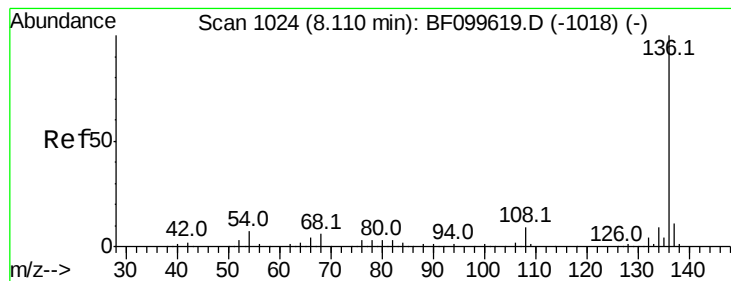
Abundance Ion 70.00 (69.70 to 70.70): BF0

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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 317769

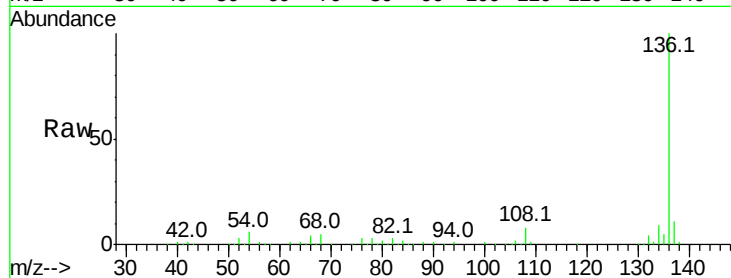
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 6.5 6.6 9.8#

68 5.4 5.0 7.4

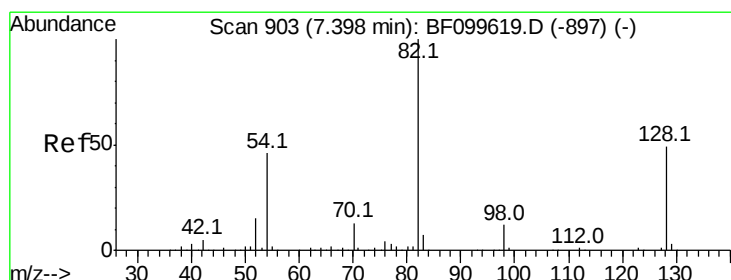
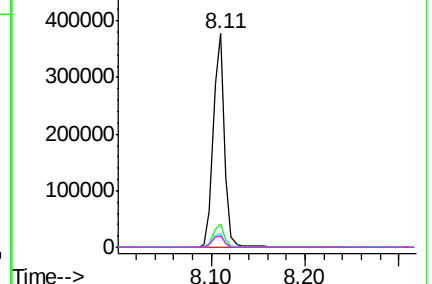
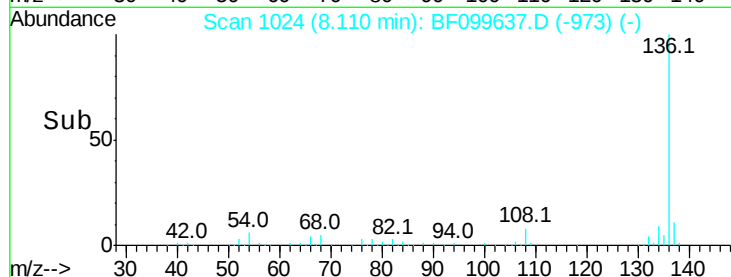


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 33.806 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

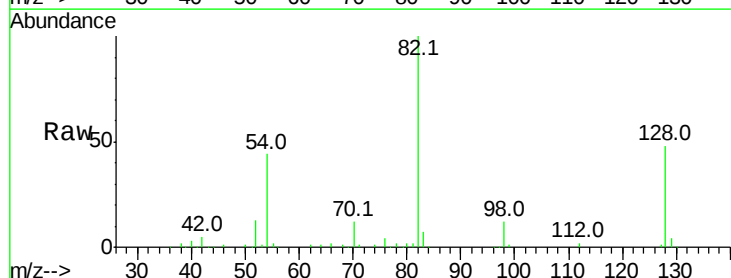
Tgt Ion: 82 Resp: 167511

Ion Ratio Lower Upper

82 100

128 48.4 36.1 54.1

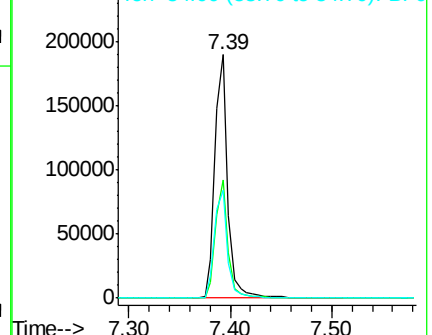
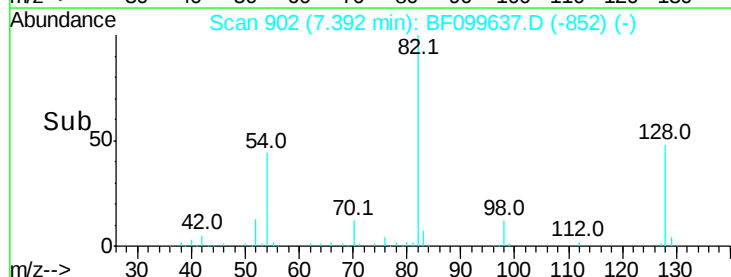
54 44.5 41.4 62.2

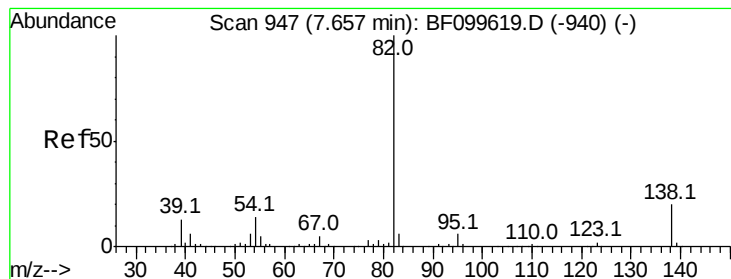


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 16.351 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

Instrument :

BNA_F

ClientSampleId :

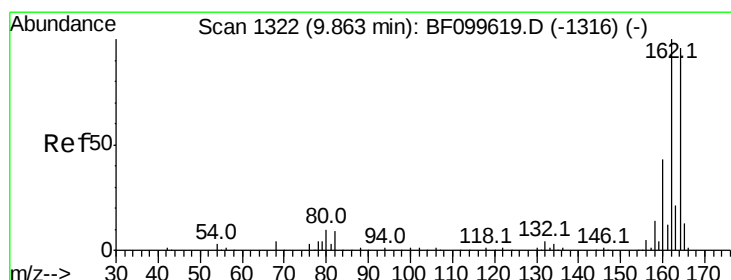
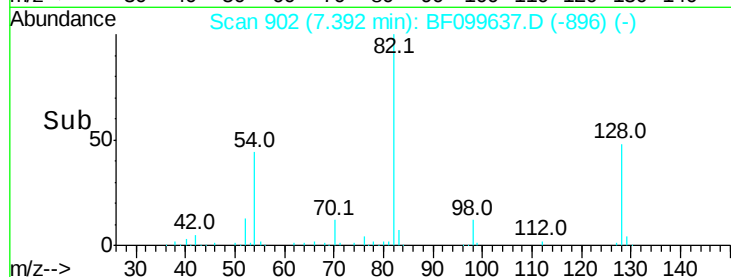
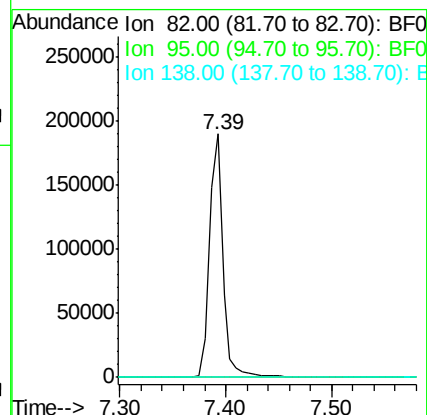
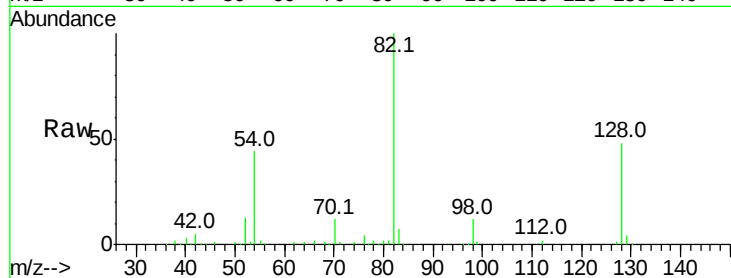
Tot Ion: 82 Resp: 167510

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: BF099637.D

Acq: 19 Oct 2017 00:29

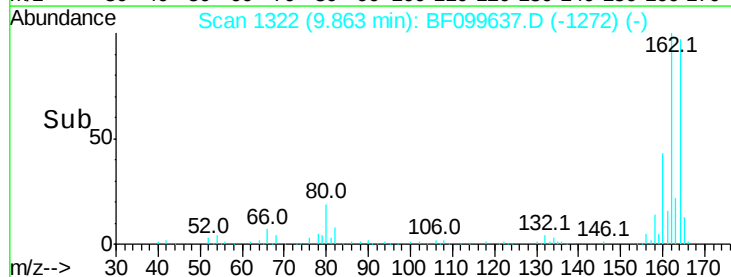
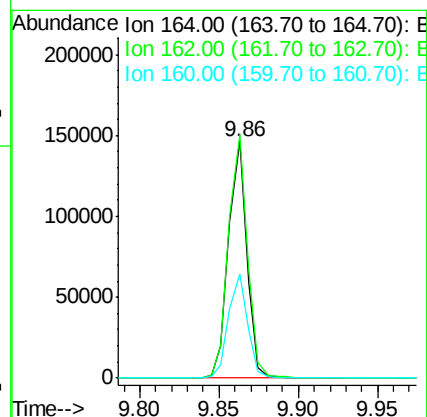
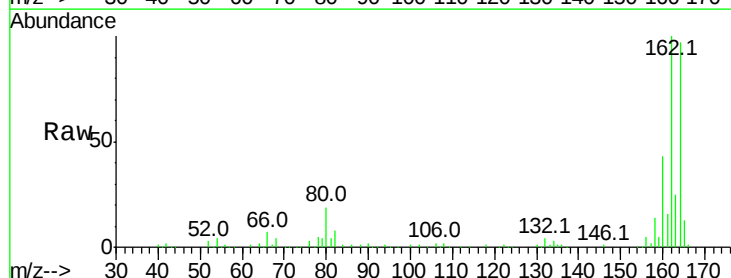
Tgt Ion:164 Resp: 118181

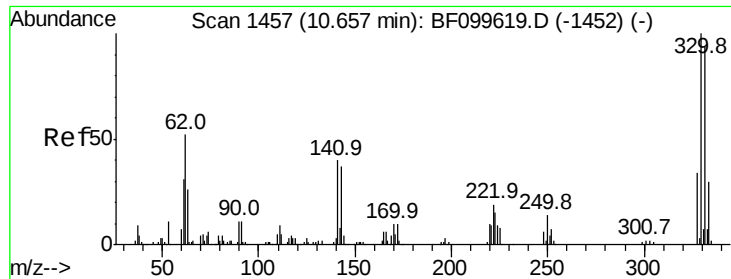
Ion Ratio Lower Upper

164 100

162 102.9 86.1 129.1

160 44.2 38.3 57.5

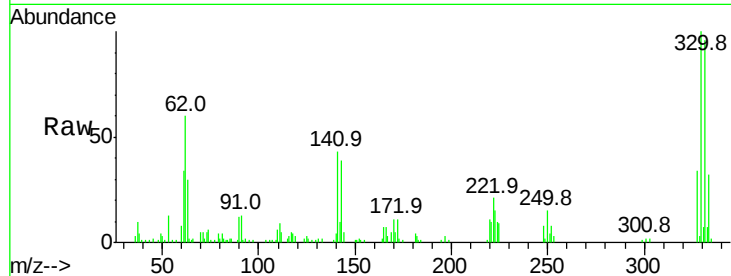




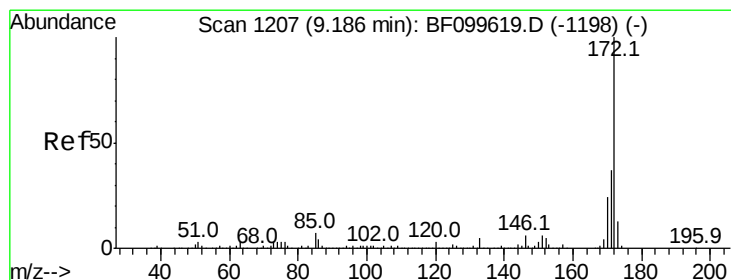
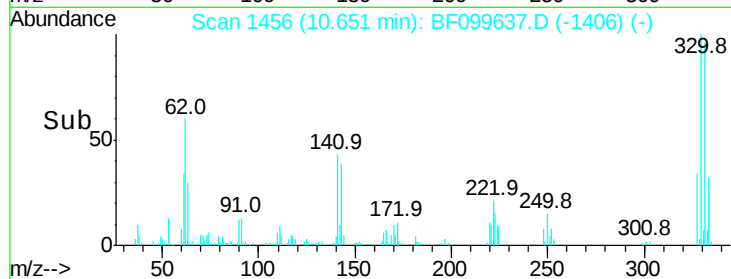
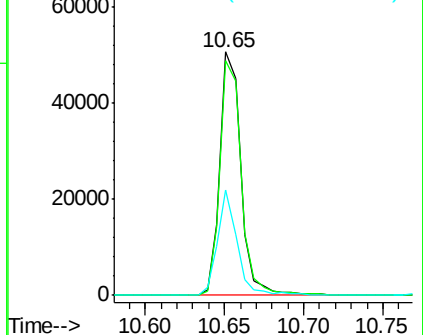
#41
 2,4,6-Tribromophenol
 Concen: 48.501 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF099637.D
 Acq: 19 Oct 2017 00:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 46902
 Ion Ratio Lower Upper
 330 100
 332 98.1 77.0 115.6
 141 39.9 29.9 44.9

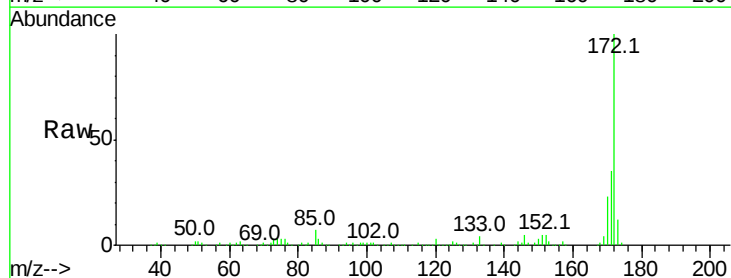


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

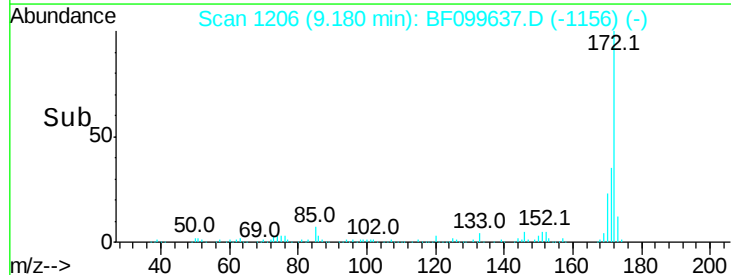
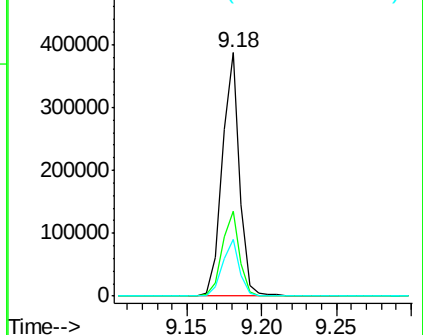


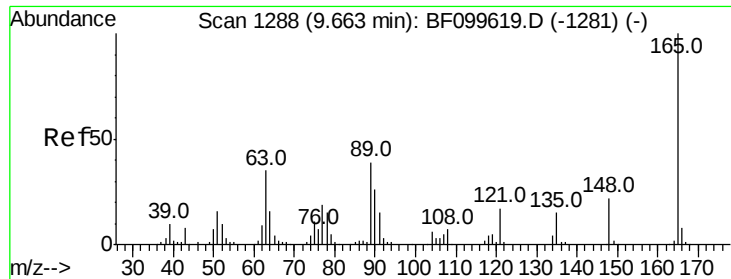
#44
 2-Fluorobiphenyl
 Concen: 44.710 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF099637.D
 Acq: 19 Oct 2017 00:29

Tgt Ion:172 Resp: 316509
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.7 44.5
 170 23.2 19.6 29.4



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

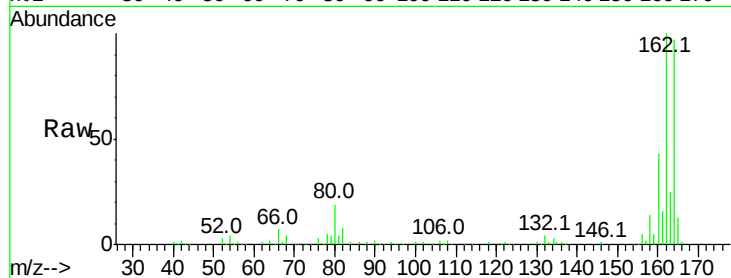




#50
 2,6-Dinitrotoluene
 Concen: 7.982 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. 0.21 min
 Lab File: BF099637.D
 Acq: 19 Oct 2017 00:29

Instrument :
 BNA_F
 ClientSampleId :

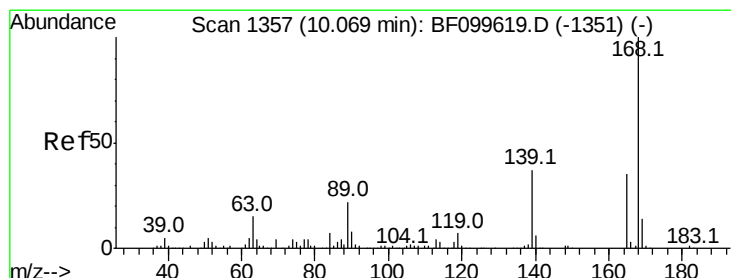
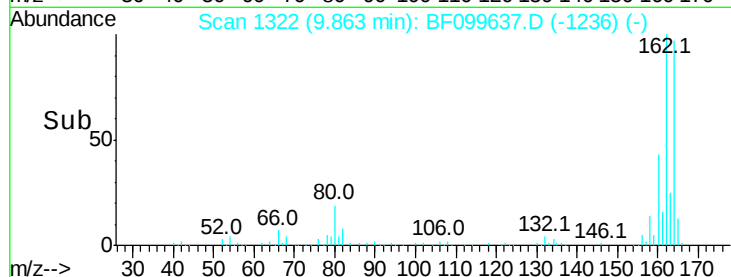
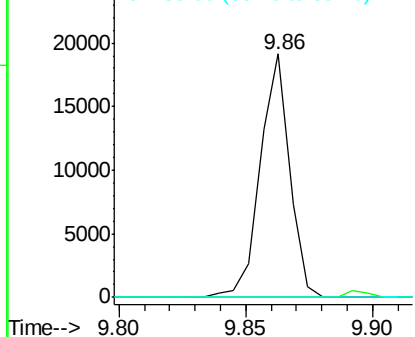
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.150 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.21 min
 Lab File: BF099637.D
 Acq: 19 Oct 2017 00:29

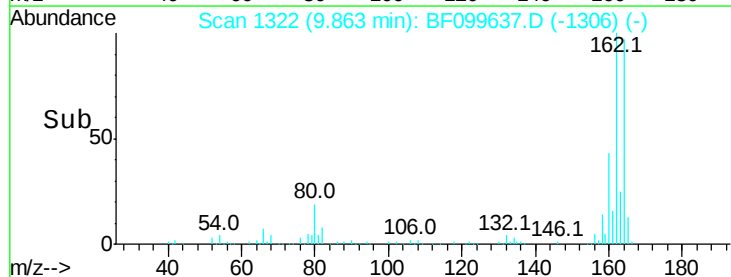
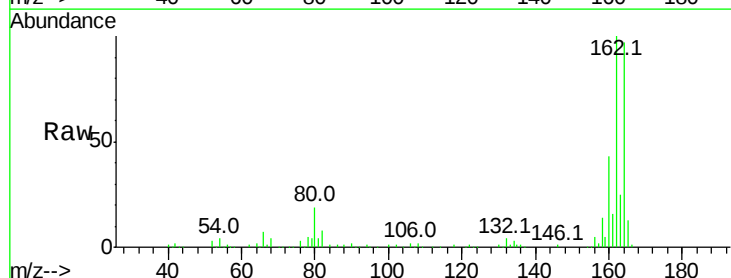
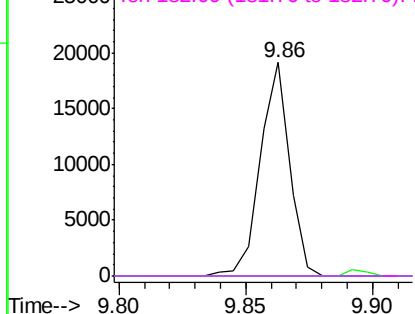
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

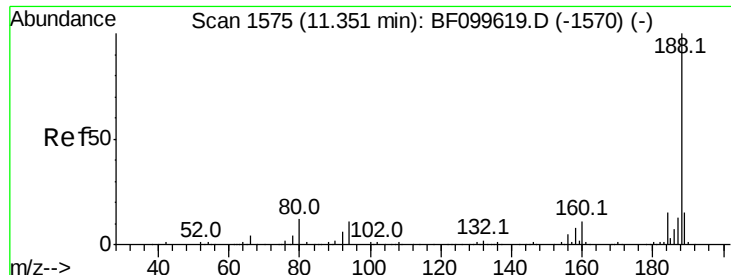
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

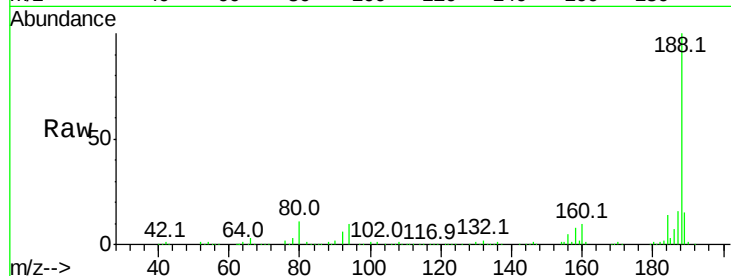




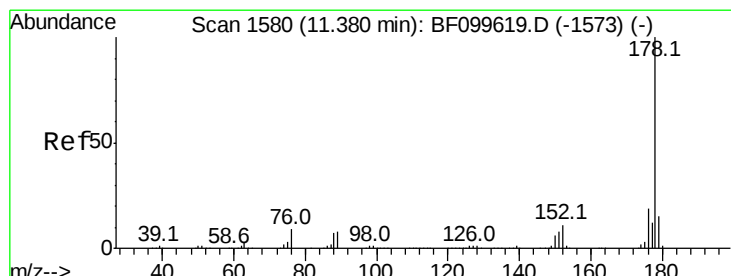
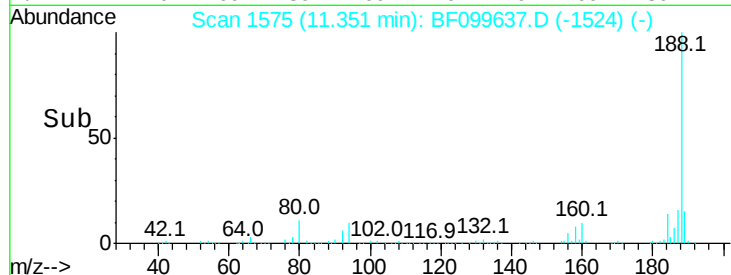
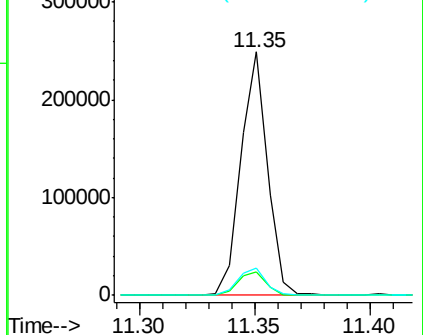
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.00 min
Lab File: BF099637.D
Acq: 19 Oct 2017 00:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 200216
Ion Ratio Lower Upper
188 100
94 9.8 8.5 12.7
80 11.0 9.2 13.8

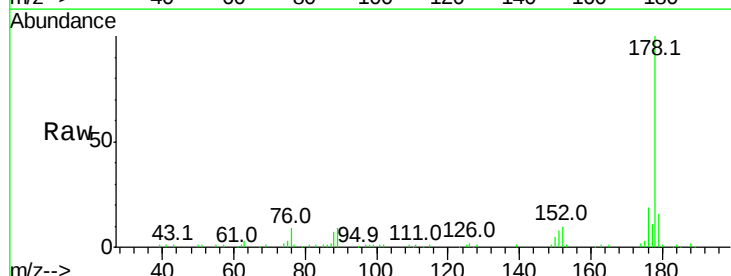


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

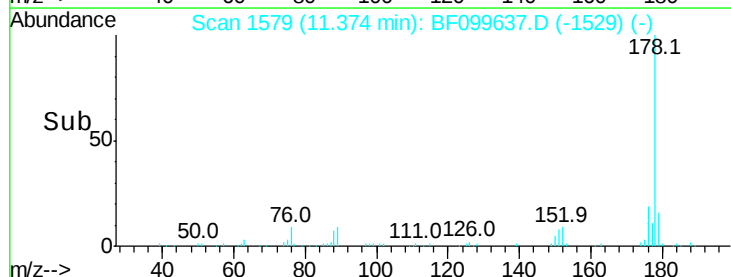
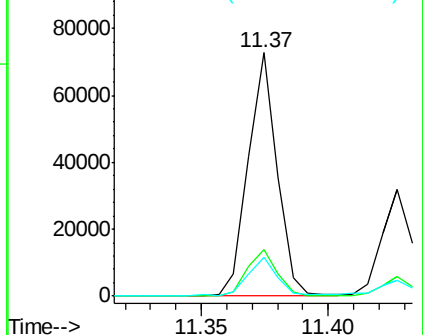


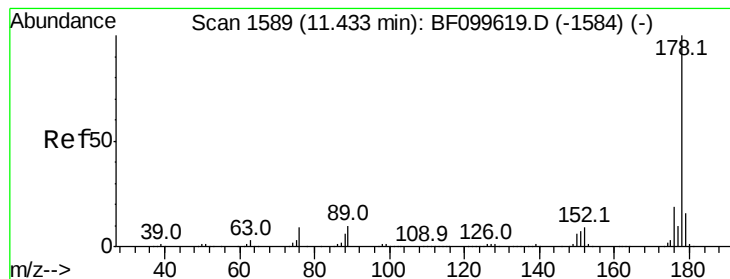
#70
Phenanthrene
Concen: 5.423 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF099637.D
Acq: 19 Oct 2017 00:29

Tgt Ion:178 Resp: 58119
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.8 13.0 19.6



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





#71

Anthracene

Concen: 2.353 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

Instrument :

BNA_F

ClientSampled :

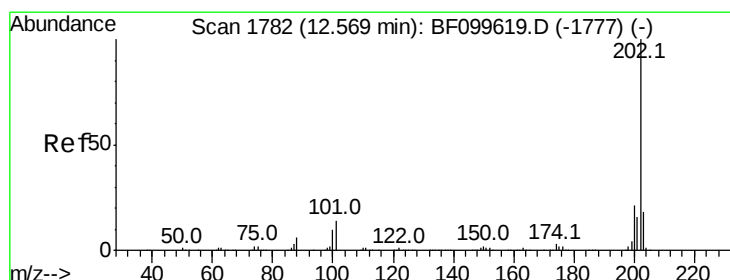
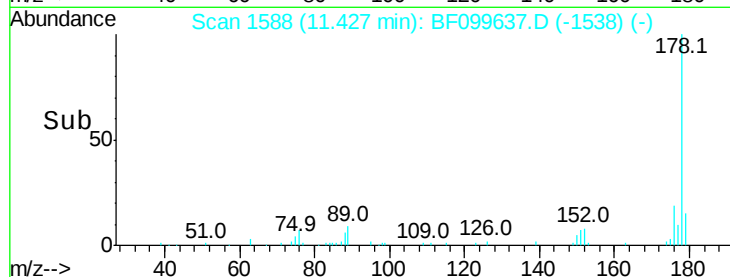
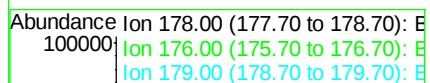
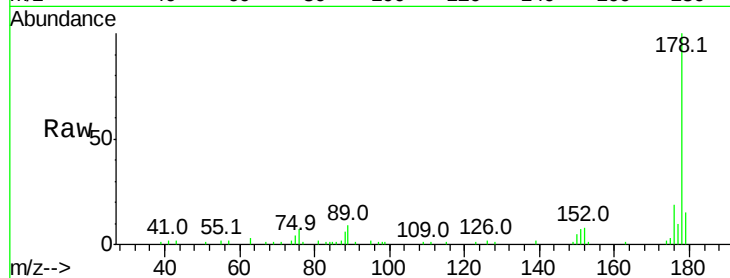
Tot Ion:178 Resp: 25800

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

179 14.7 12.6 19.0



#74

Fluoranthene

Concen: 21.660 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

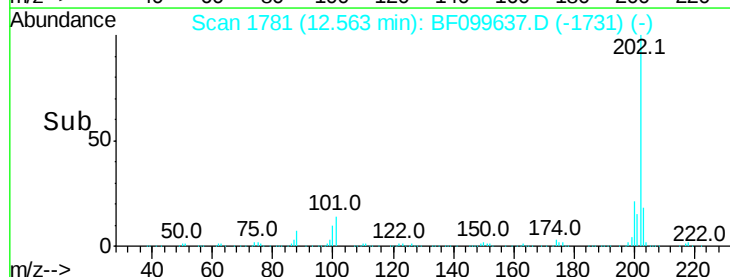
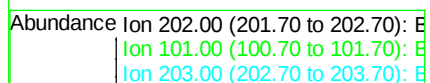
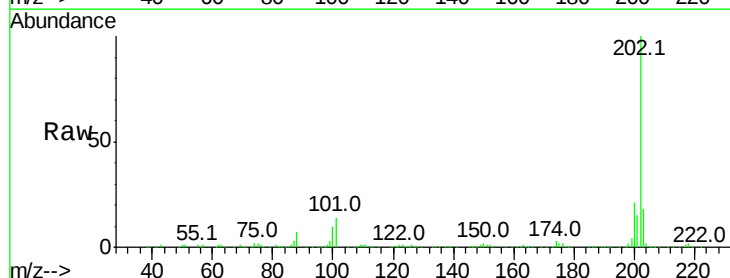
Tgt Ion:202 Resp: 235059

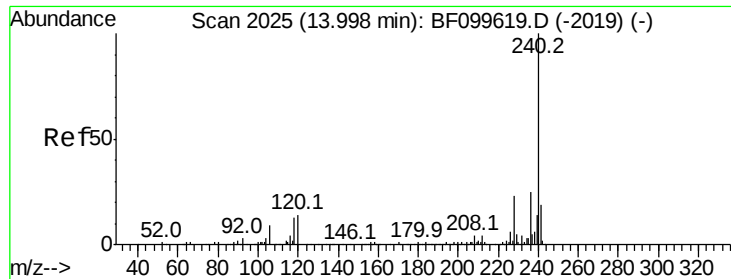
Ion Ratio Lower Upper

202 100

101 14.5 0.0 34.1

203 17.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

Instrument :

BNA_F

ClientSampleId :

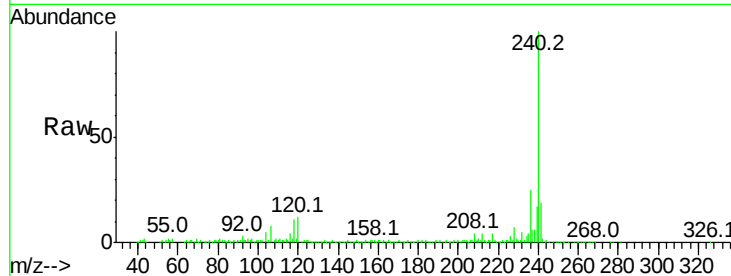
Tot Ion:240 Resp: 199231

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

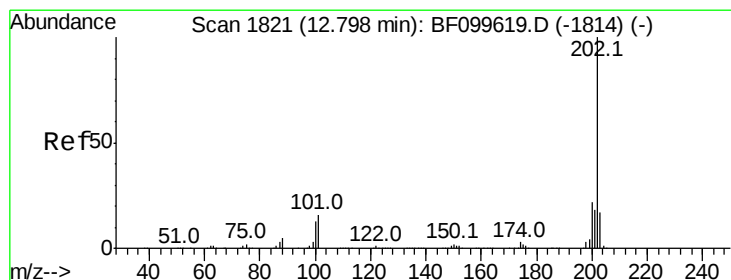
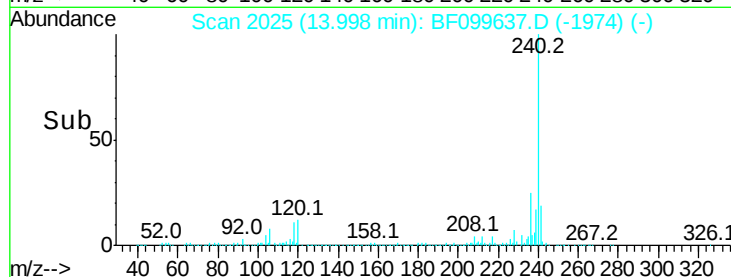
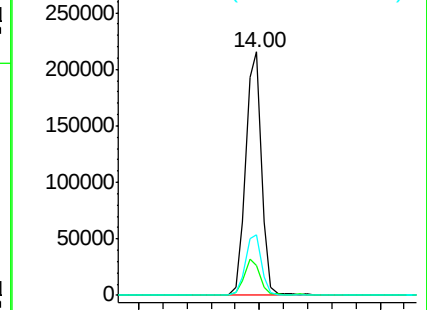
236 25.1 20.7 31.1



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

Pyrene

Concen: 12.960 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

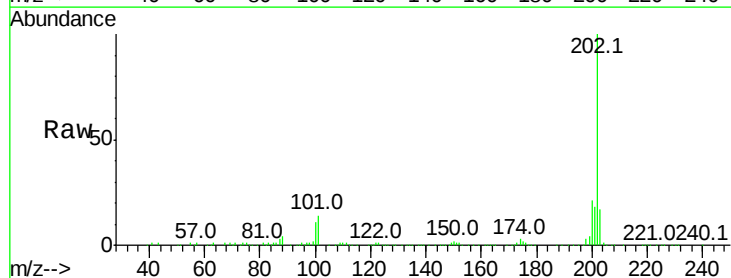
Tgt Ion:202 Resp: 196893

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

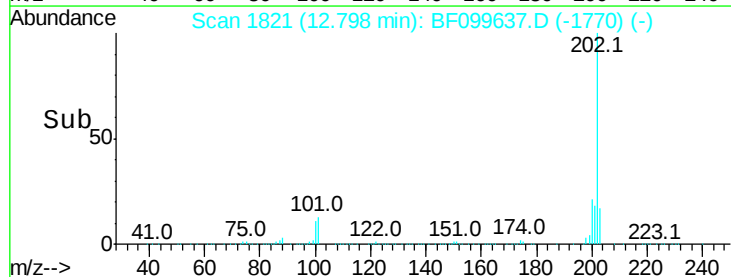
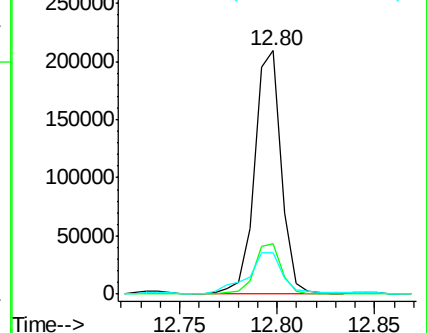
203 17.1 14.3 21.5

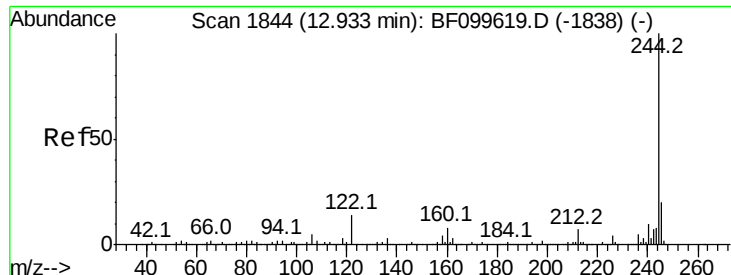


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 31.837 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

Instrument :

BNA_F

ClientSampleId :

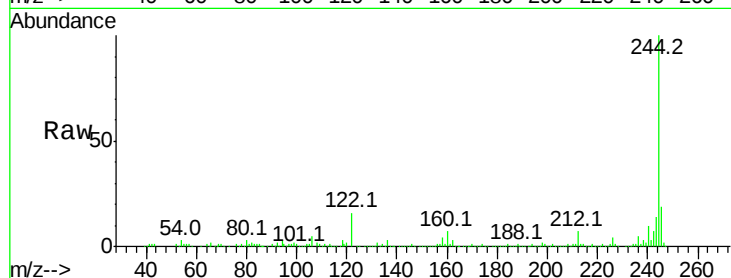
Tot Ion:244 Resp: 278909

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

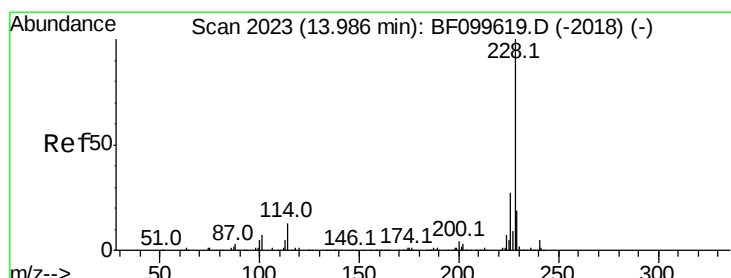
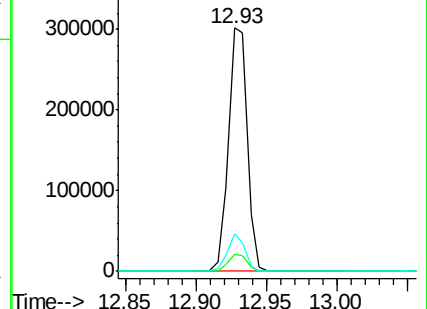
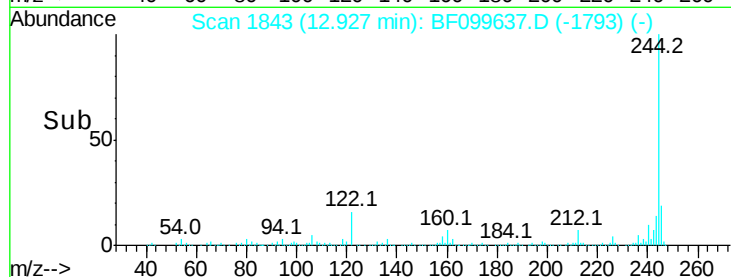
122 15.5 11.0 16.4



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: 8.976 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

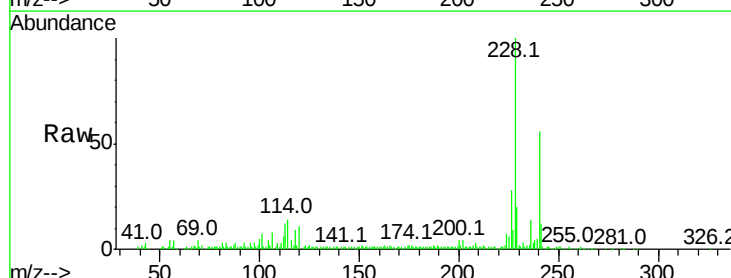
Tgt Ion:228 Resp: 108290

Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

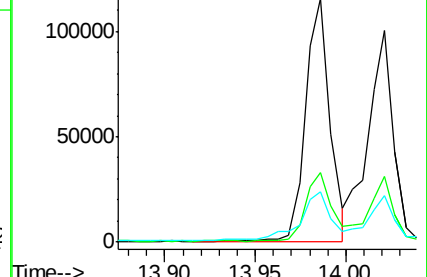
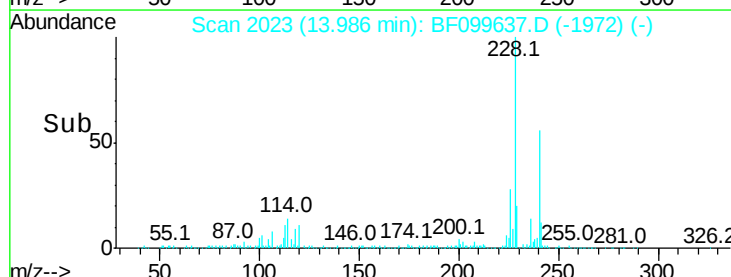
229 20.5 15.8 23.6

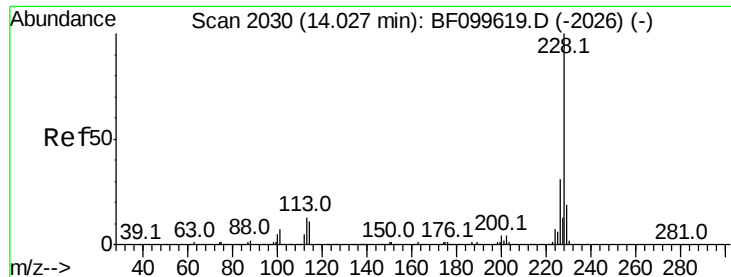


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.537 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

Instrument :

BNA_F

ClientSampleId :

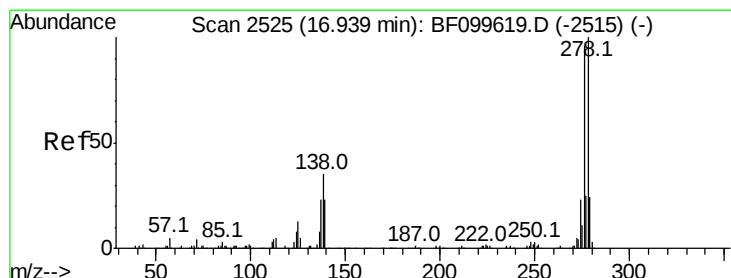
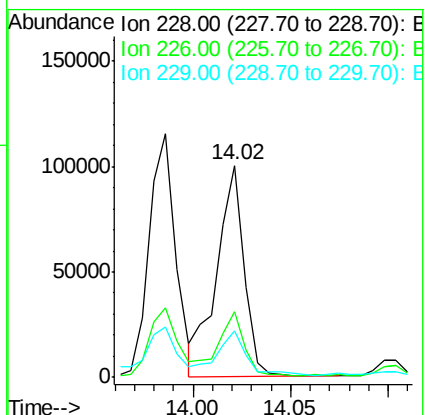
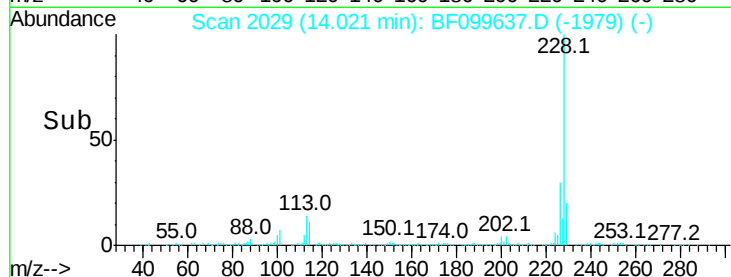
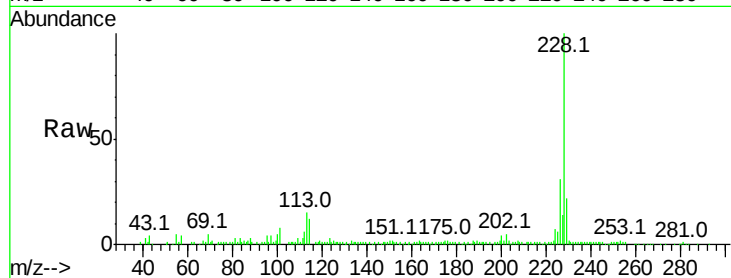
Tot Ion:228 Resp: 98046

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

229 21.9 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.229 ng

RT: 16.94 min Scan# 2526

Delta R.T. 0.01 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

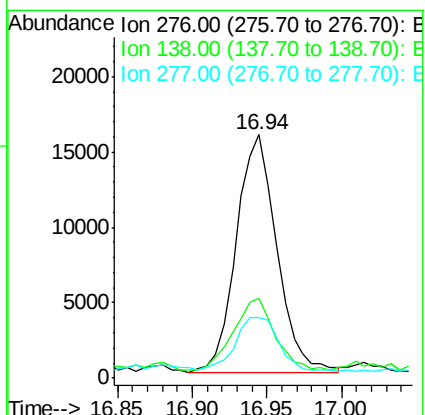
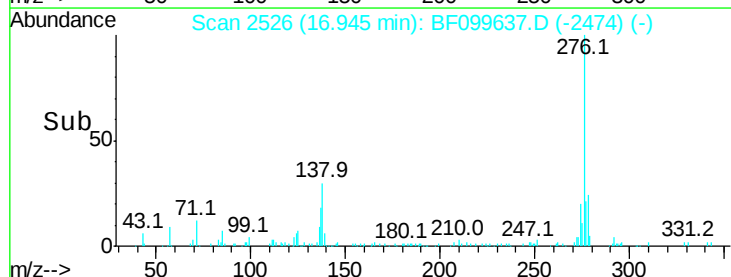
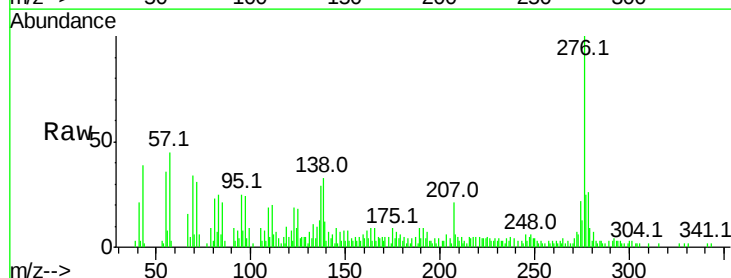
Tgt Ion:276 Resp: 29670

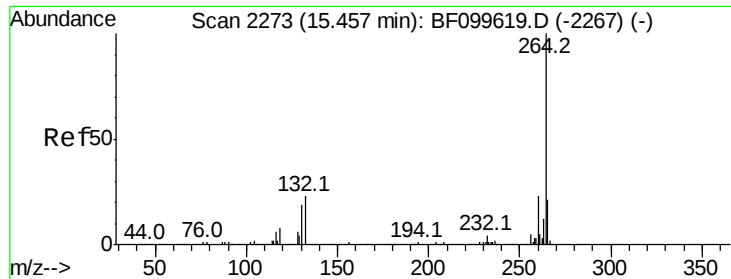
Ion Ratio Lower Upper

276 100

138 30.9 25.0 37.6

277 24.5 20.1 30.1

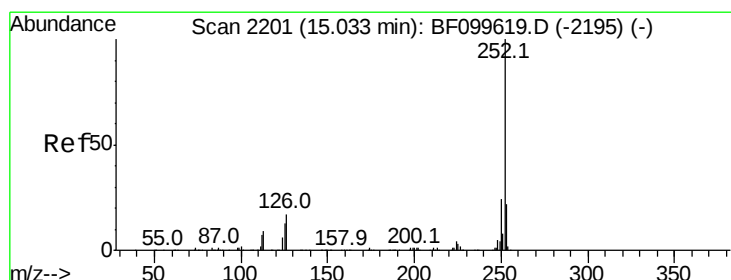
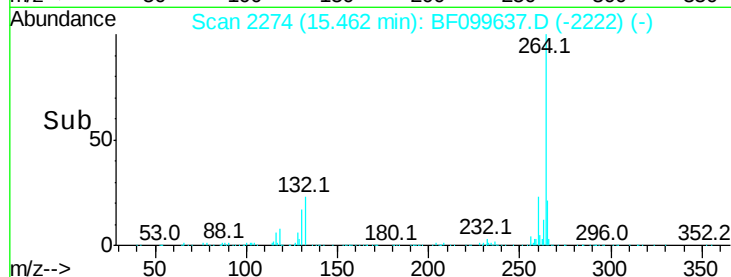
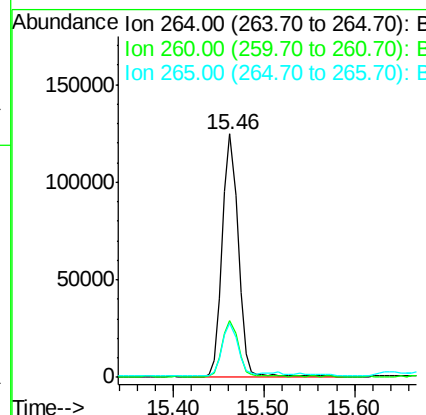
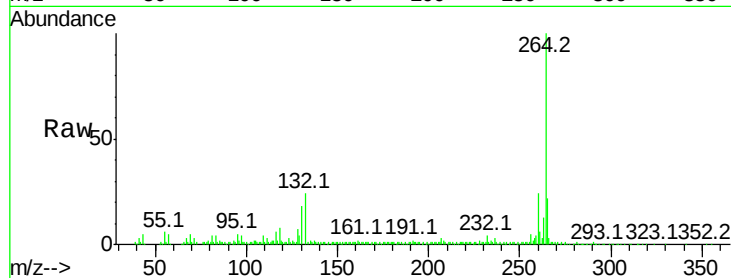




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF099637.D
Acq: 19 Oct 2017 00:29

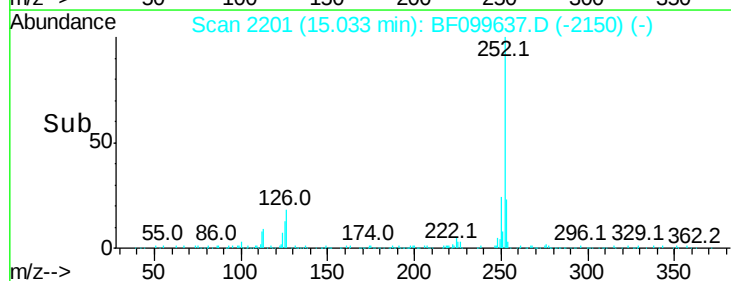
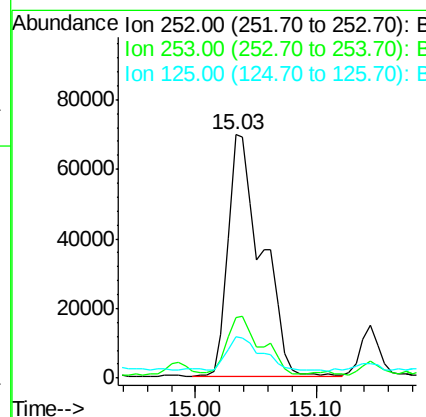
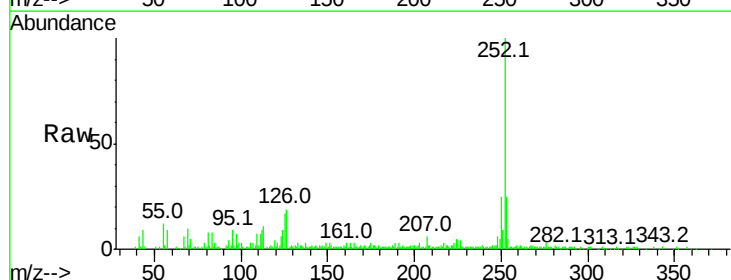
Instrument :
BNA_F
ClientSampleId :

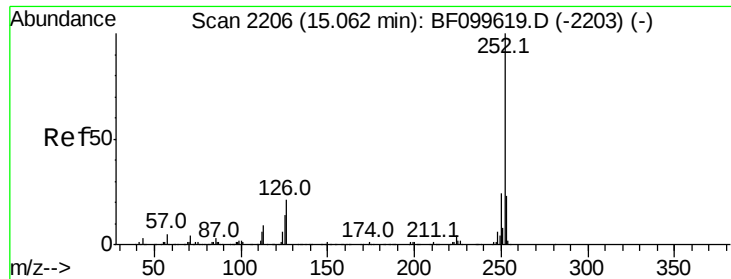
Tot Ion:264 Resp: 150375
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 22.0 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 14.504 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BF099637.D
Acq: 19 Oct 2017 00:29

Tgt Ion:252 Resp: 134095
Ion Ratio Lower Upper
252 100
253 24.8 17.0 25.6
125 17.2 9.0 13.6#

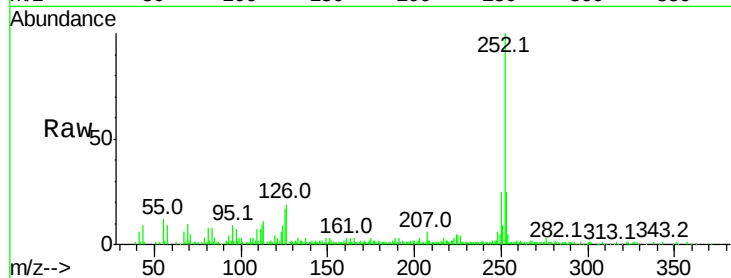




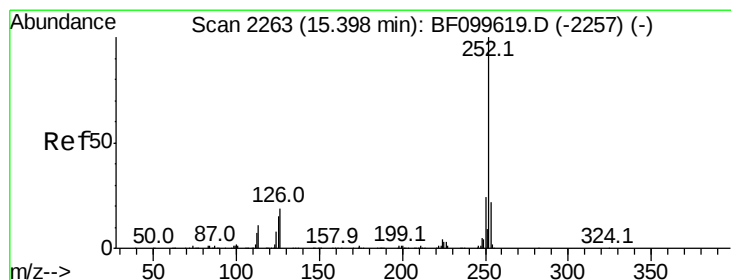
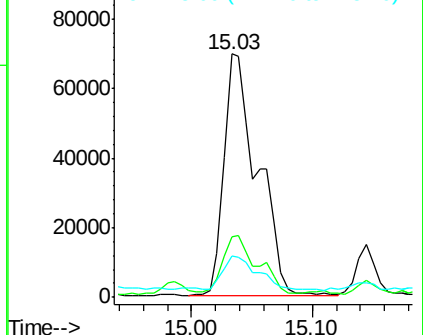
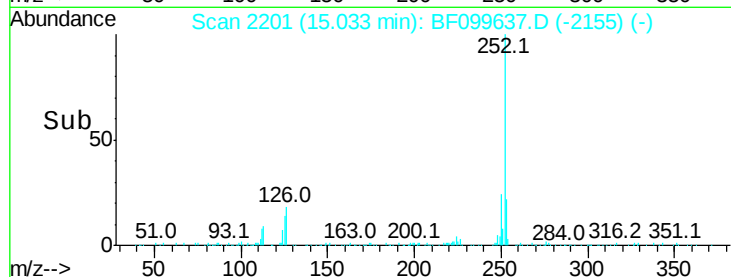
#88
Benzo(k)fluoranthene
Concen: 14.684 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.03 min
Lab File: BF099637.D
Acq: 19 Oct 2017 00:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	17.2	10.2	15.2

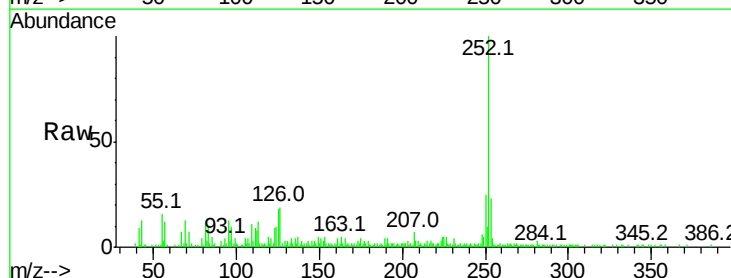


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

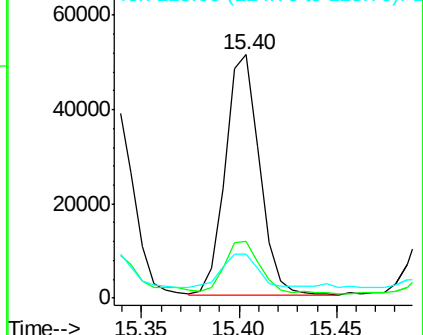
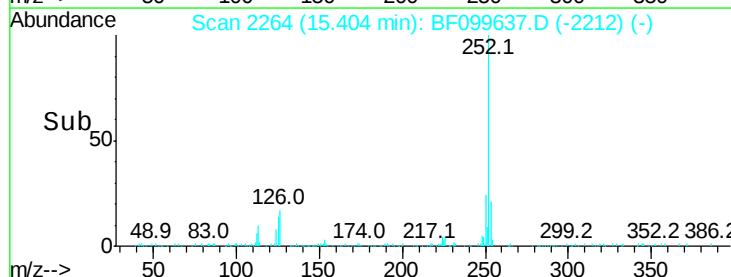


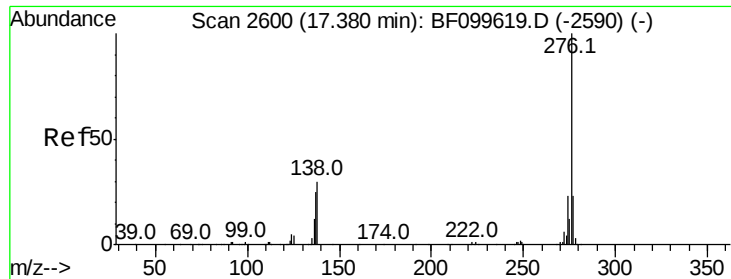
#89
Benzo(a)pyrene
Concen: 7.363 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF099637.D
Acq: 19 Oct 2017 00:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	17.8	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





#91

Benzo(a,h,i)perylene

Concen: 3.940 ng

RT: 17.39 min Scan# 2602

Delta R.T. 0.02 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

Instrument :

BNA_F

ClientSampleId :

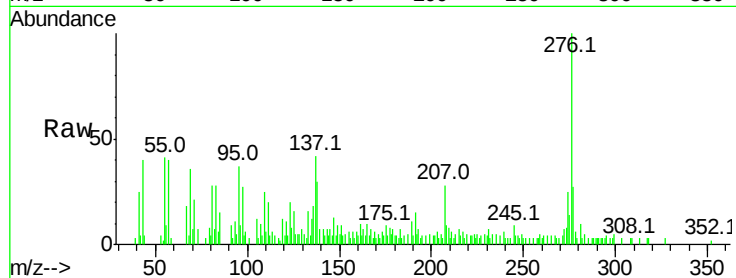
Tot Ion:276 Resp: 26451

Ion Ratio Lower Upper

276 100

277 27.4 17.9 26.9#

138 29.8 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

