

Data File : BF100017.D
Acq On : 31 Oct 2017 21:25
Operator : SJ/JU
Sample : I6056-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-1

Quant Time: Nov 01 08:17:19 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 16:51:57 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	89212	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	360757	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	158396	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	262958	20.00	ng	0.00
75) Chrysene-d12	13.99	240	155800	20.00	ng	0.00
86) Perylene-d12	15.49	264	158291	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	83267	14.65	ng	0.01
7) Phenol-d6	6.44	99	103173	15.31	ng	0.00
23) Nitrobenzene-d5	7.36	82	59054	10.54	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	19194	13.30	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	128677	12.53	ng	0.00
78) Terphenyl-d14	12.90	244	86762	12.17	ng	0.00

Target Compounds						Qvalue
25) Isophorone	7.36	82	59054	5.81	ng	# 64
50) 2,6-Dinitrotoluene	9.82	165	20481	7.77	ng	# 25
56) 2,4-Dinitrotoluene	9.82	165	20481	6.45	ng	# 22
70) Phenanthrene	11.35	178	130273	8.78	ng	98
74) Fluoranthene	12.54	202	166281	10.78	ng	99
77) Pyrene	12.77	202	146977	12.41	ng	98
80) Benzo(a)anthracene	13.97	228	62707	6.35	ng	96
82) Chrysene	14.01	228	55236	5.95	ng	96
83) Bis(2-ethylhexyl)phthalate	13.93	149	26347	3.22	ng	97
85) Indeno(1,2,3-cd)pyrene	16.99	276	39184	4.60	ng	97
87) Benzo(b)fluoranthene	15.06	252	104129	10.42	ng	# 89
88) Benzo(k)fluoranthene	15.06	252	104129	11.05	ng	# 92
89) Benzo(a)pyrene	15.43	252	56518	6.29	ng	# 85
91) Benzo(g,h,i)perylene	17.46	276	40510	5.19	ng	92

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

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BNA_F

ClientSampleId :

SED-1

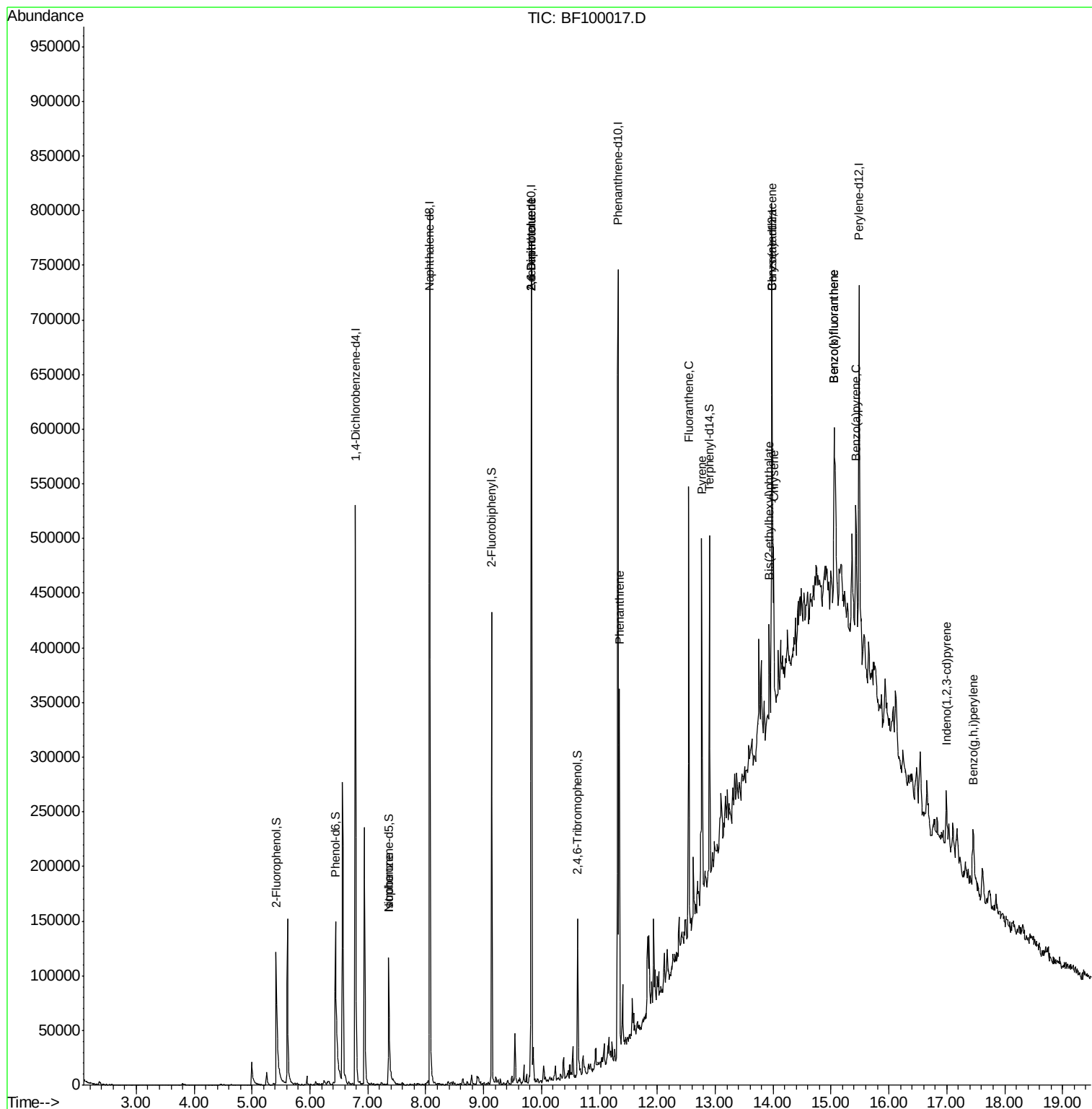
Quant Time: Nov 01 08:17:19 2017

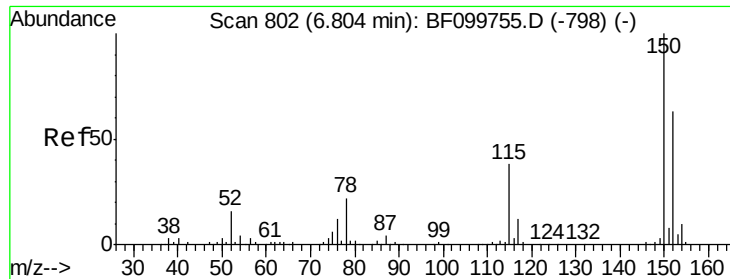
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Oct 31 16:51:57 2017

Response via : Initial Calibration

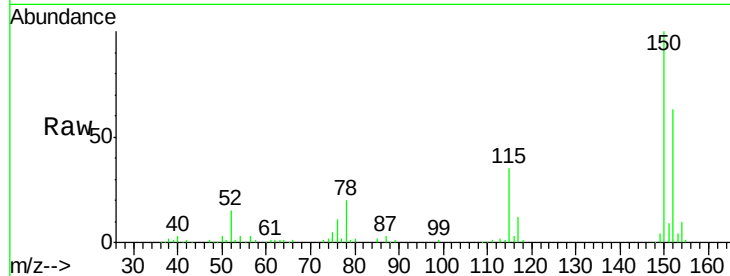




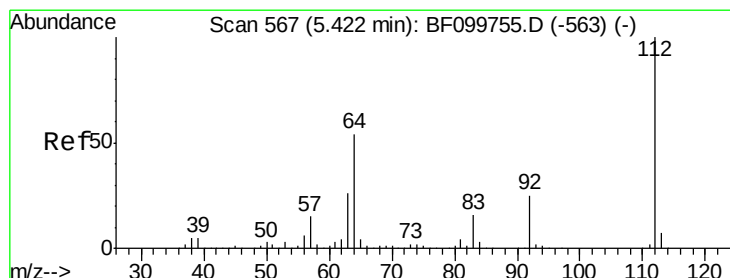
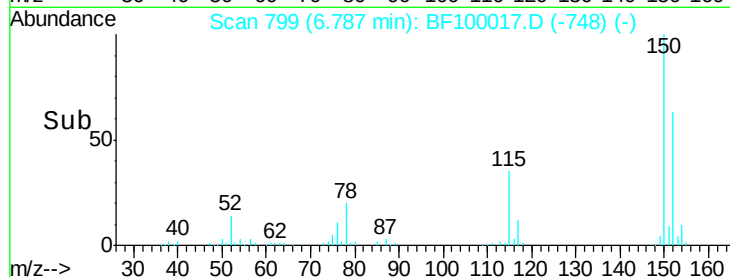
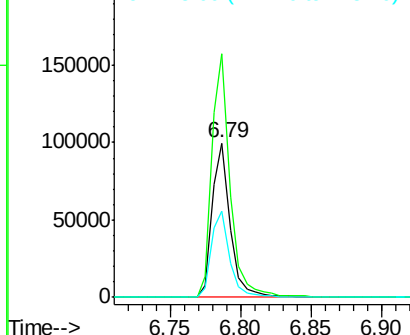
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.79 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF100017.D
 Acq: 31 Oct 2017 21:25

Instrument :
 BNA_F
 ClientSampleId :
 SED-1

Tgt Ion:152 Resp: 89212
 Ion Ratio Lower Upper
 152 100
 150 157.8 124.6 186.8
 115 55.5 50.1 75.1

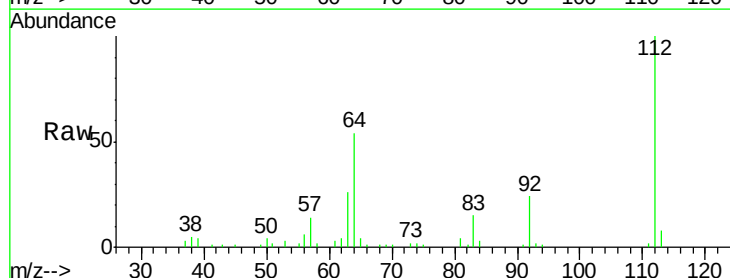


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

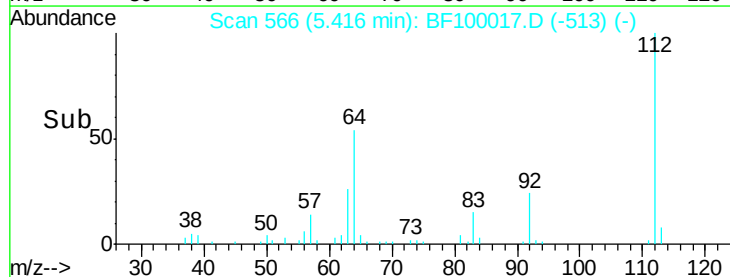
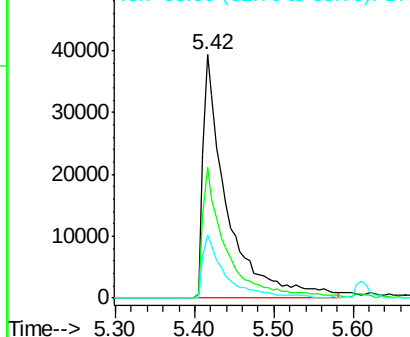


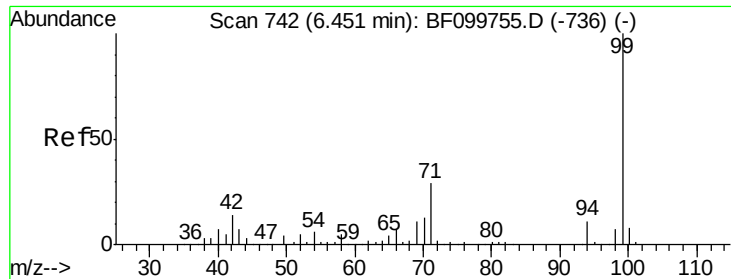
#5
 2-Fluorophenol
 Concen: 14.65 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: BF100017.D
 Acq: 31 Oct 2017 21:25

Tgt Ion:112 Resp: 83267
 Ion Ratio Lower Upper
 112 100
 64 53.6 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): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 15.31 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF100017.D

Acq: 31 Oct 2017 21:25

Instrument :

BNA_F

ClientSampleId :

SED-1

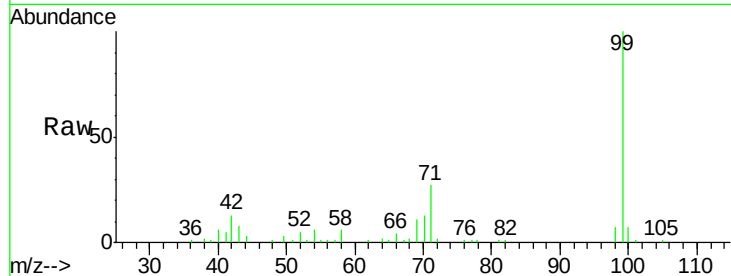
Tgt Ion: 99 Resp: 103173

Ion Ratio Lower Upper

99 100

42 12.6 14.5 21.7#

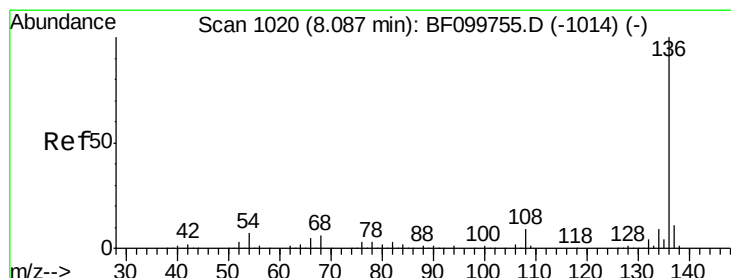
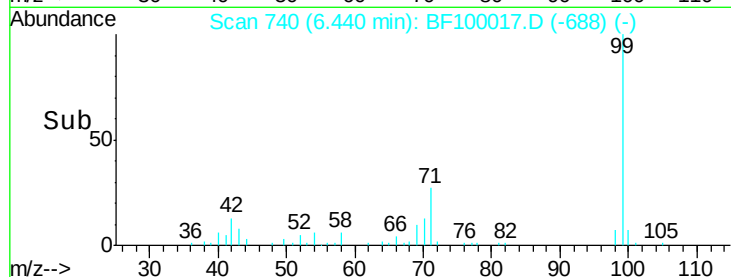
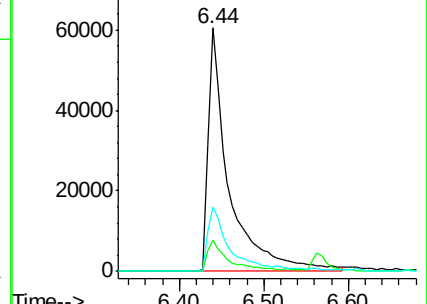
71 26.6 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF100017.D

Acq: 31 Oct 2017 21:25

Tgt Ion: 136 Resp: 360757

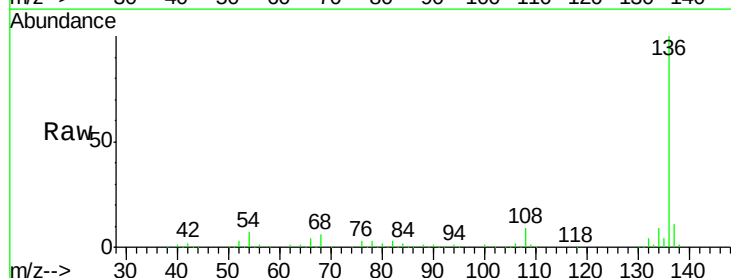
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.5 6.6 9.8#

68 5.6 5.0 7.4

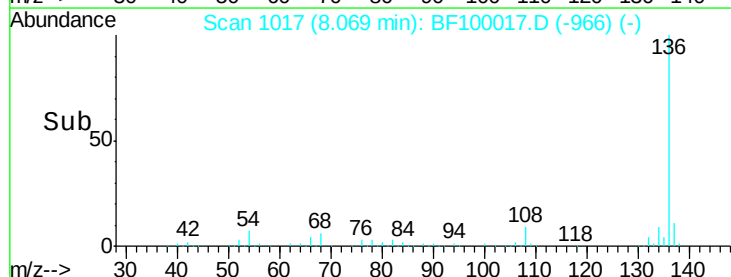
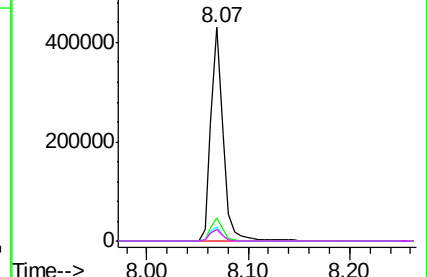


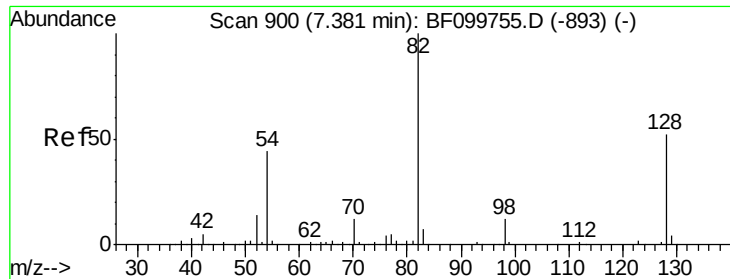
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

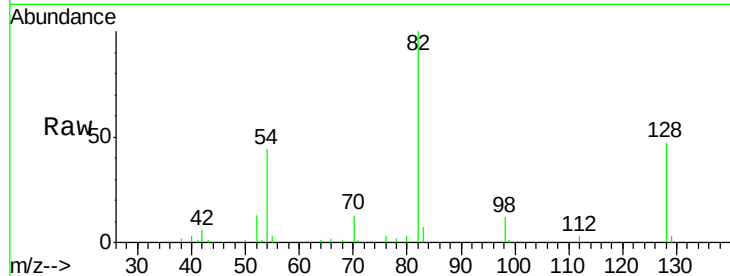




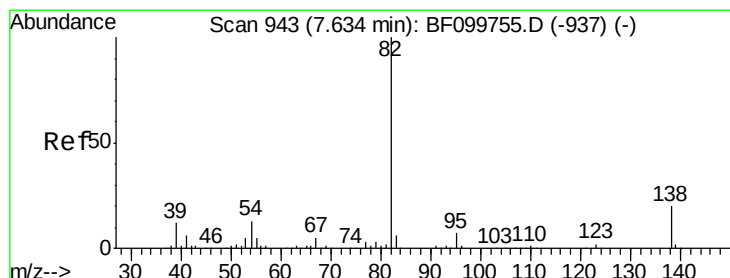
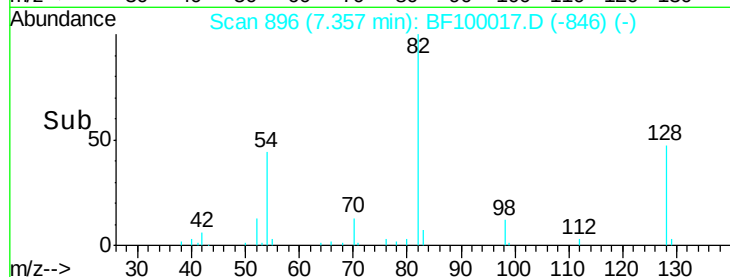
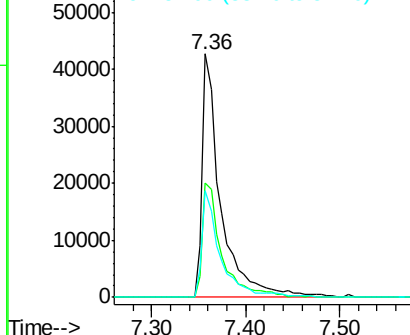
#23
 Nitrobenzene-d5
 Concen: 10.54 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF100017.D
 Acq: 31 Oct 2017 21:25

Instrument :
 BNA_F
 ClientSampleId :
 SED-1

Tgt Ion: 82 Resp: 59054
 Ion Ratio Lower Upper
 82 100
 128 47.2 36.1 54.1
 54 43.6 41.4 62.2

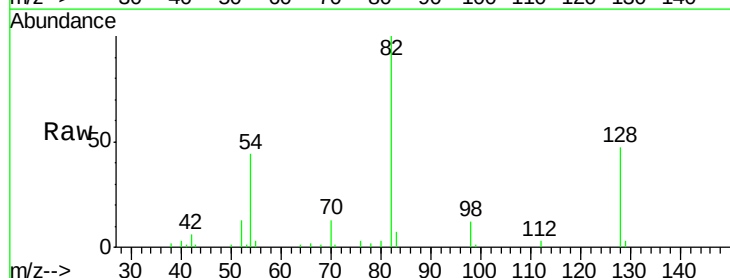


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

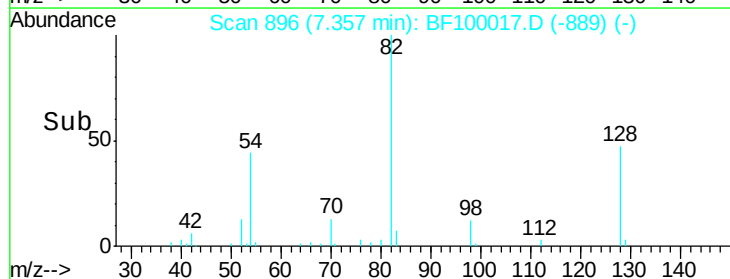
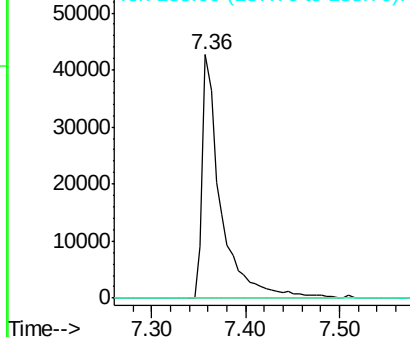


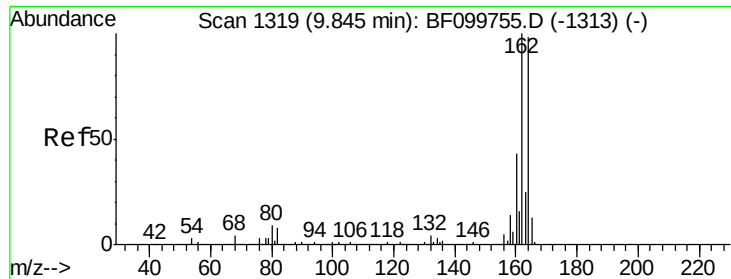
#25
 Isophorone
 Concen: 5.81 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.26 min
 Lab File: BF100017.D
 Acq: 31 Oct 2017 21:25

Tgt Ion: 82 Resp: 59054
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

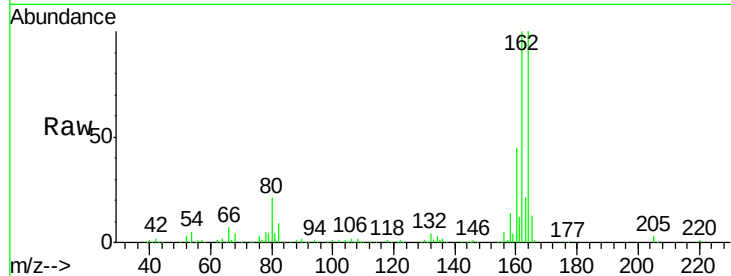




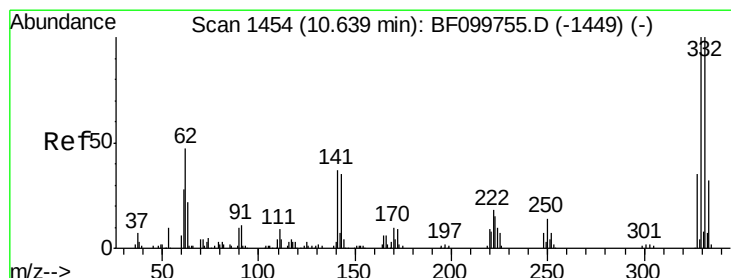
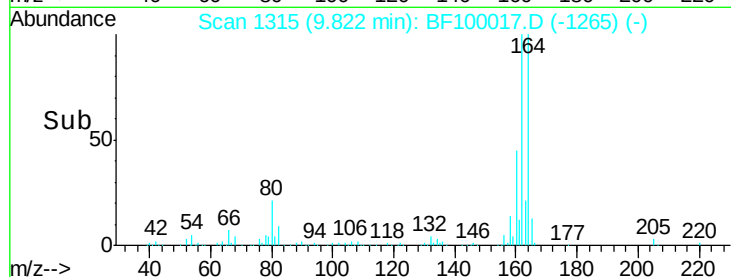
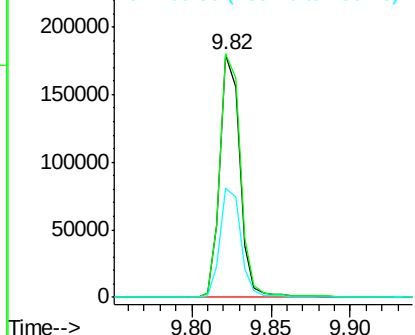
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF100017.D
Acq: 31 Oct 2017 21:25

Instrument :
BNA_F
ClientSampleId :
SED-1

Tgt Ion:164 Resp: 158396
Ion Ratio Lower Upper
164 100
162 100.4 86.1 129.1
160 45.3 38.3 57.5

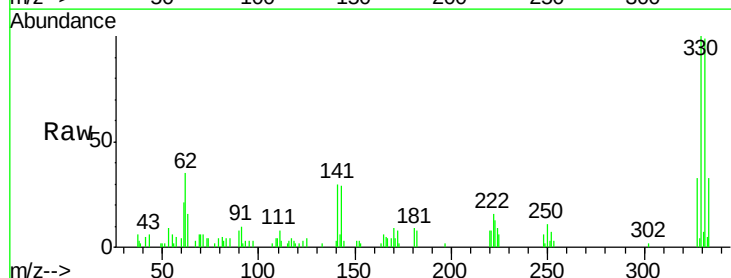


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

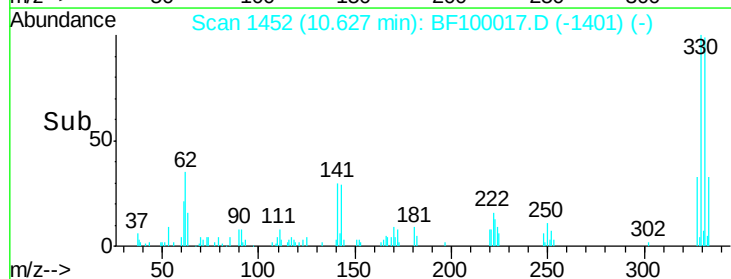
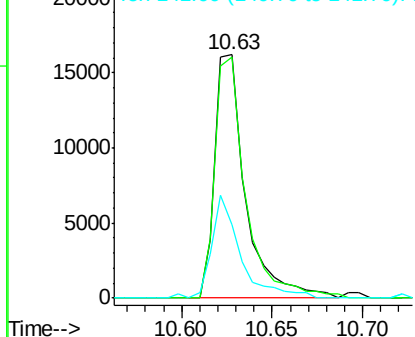


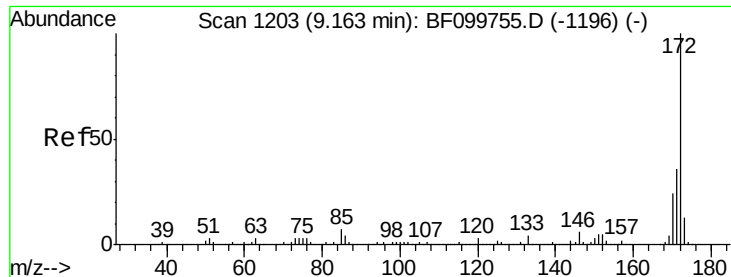
#41
2,4,6-Tribromophenol
Concen: 13.30 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BF100017.D
Acq: 31 Oct 2017 21:25

Tgt Ion:330 Resp: 19194
Ion Ratio Lower Upper
330 100
332 99.1 77.0 115.6
141 39.4 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

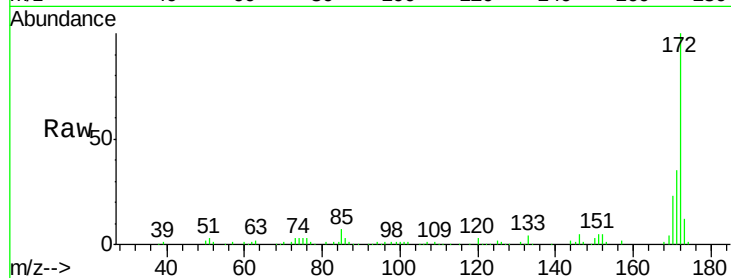




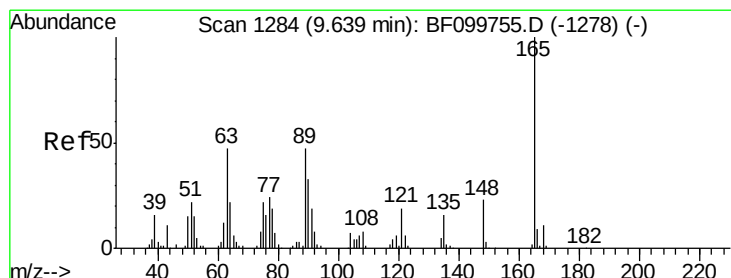
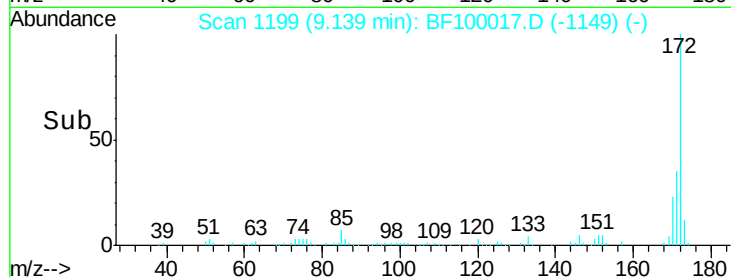
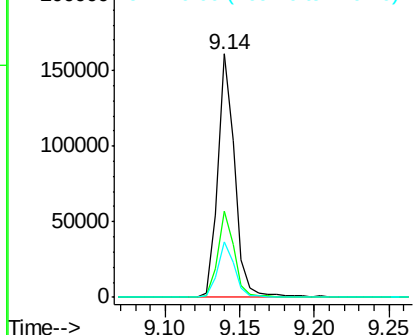
#44
 2-Fluorobiphenyl
 Concen: 12.53 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF100017.D
 Acq: 31 Oct 2017 21:25

Instrument :
 BNA_F
 ClientSampleId :
 SED-1

Tgt Ion:172 Resp: 128677
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.7 44.5
 170 22.6 19.6 29.4

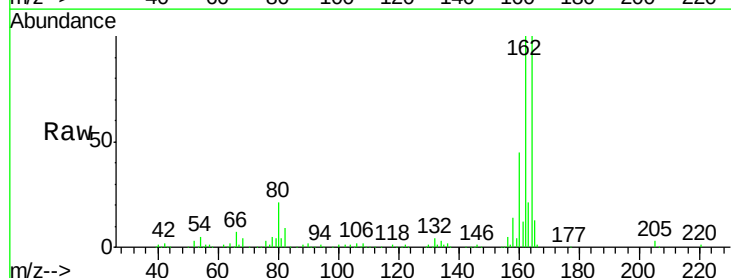


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

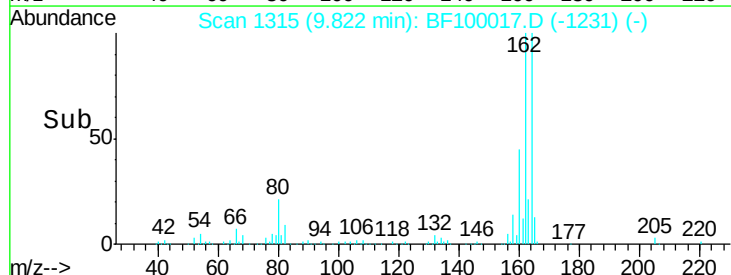
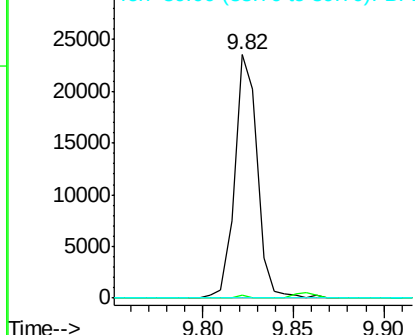


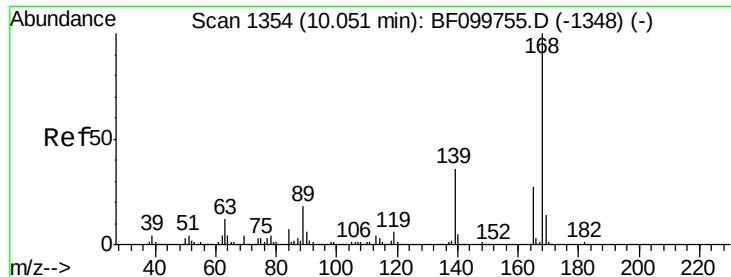
#50
 2,6-Dinitrotoluene
 Concen: 7.77 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.19 min
 Lab File: BF100017.D
 Acq: 31 Oct 2017 21:25

Tgt Ion:165 Resp: 20481
 Ion Ratio Lower Upper
 165 100
 63 1.4 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





#56

2,4-Dinitrotoluene

Concen: 6.45 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.22 min

Lab File: BF100017.D

Acq: 31 Oct 2017 21:25

Instrument :

BNA_F

ClientSampleId :

SED-1

Tgt Ion:165 Resp: 20481

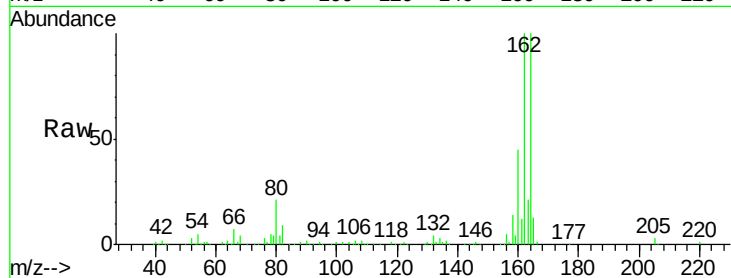
Ion Ratio Lower Upper

165 100

63 1.4 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

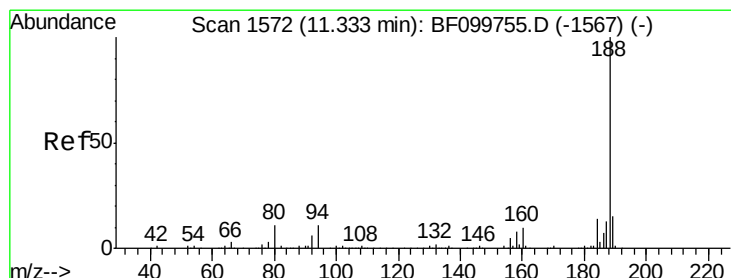
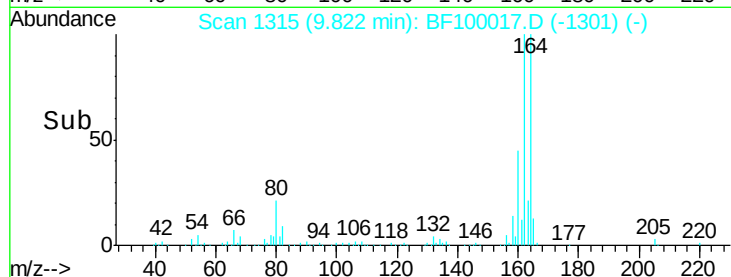
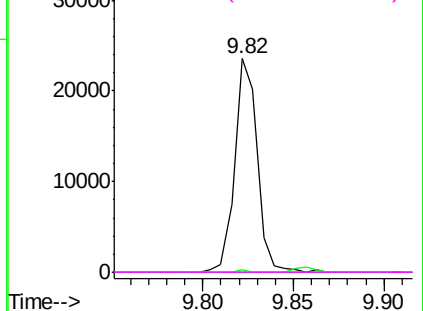


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF100017.D

Acq: 31 Oct 2017 21:25

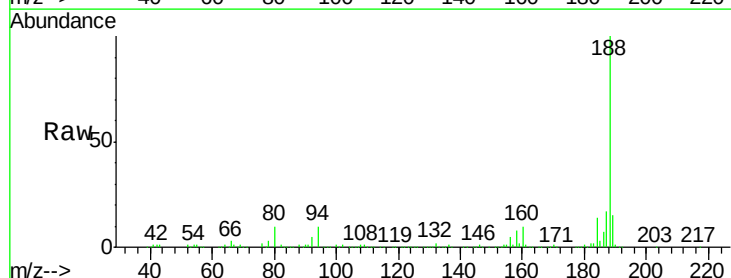
Tgt Ion:188 Resp: 262958

Ion Ratio Lower Upper

188 100

94 9.8 8.5 12.7

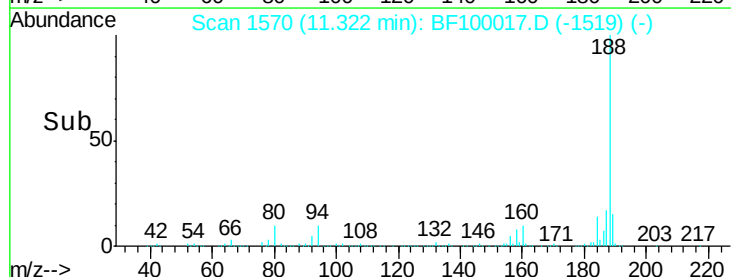
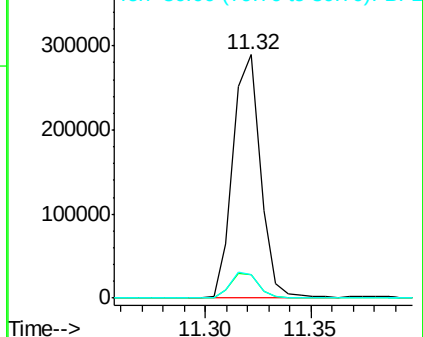
80 9.7 9.2 13.8

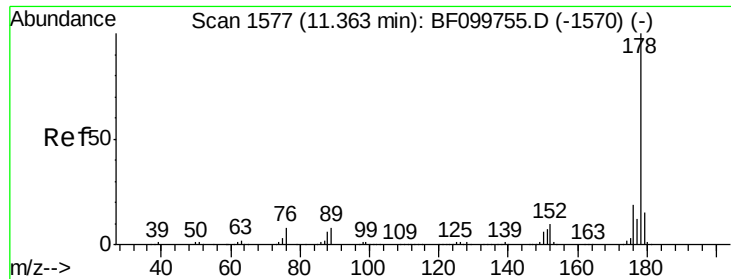


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 8.78 ng

RT: 11.35 min Scan# 1574

Delta R.T. 0.00 min

Lab File: BF100017.D

Acq: 31 Oct 2017 21:25

Instrument :

BNA_F

ClientSampleId :

SED-1

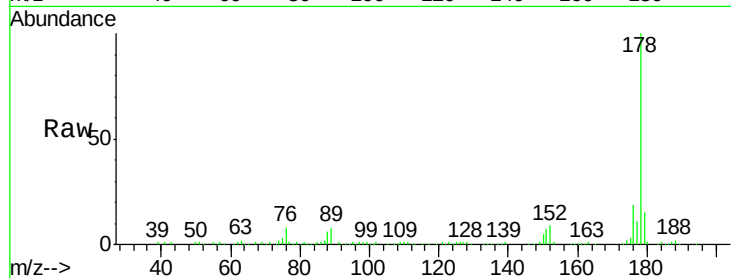
Tgt Ion:178 Resp: 130273

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

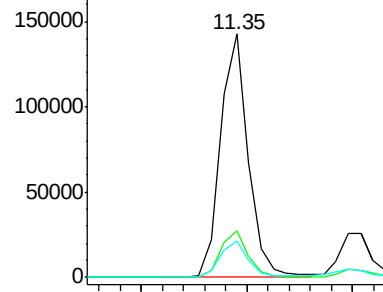
179 14.9 13.0 19.6



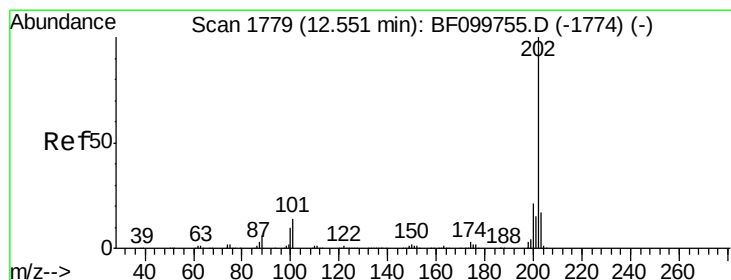
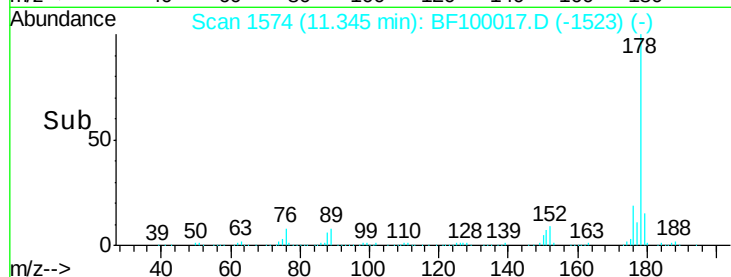
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Fluoranthene

Concen: 10.78 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.00 min

Lab File: BF100017.D

Acq: 31 Oct 2017 21:25

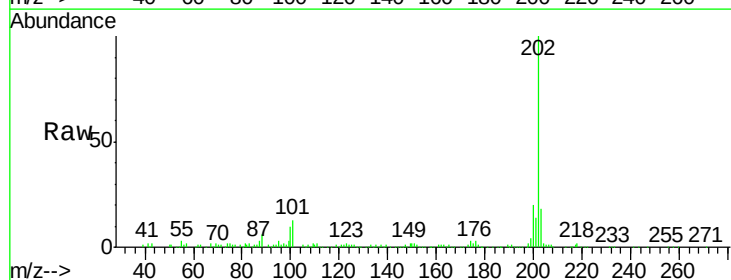
Tgt Ion:202 Resp: 166281

Ion Ratio Lower Upper

202 100

101 13.2 0.0 34.1

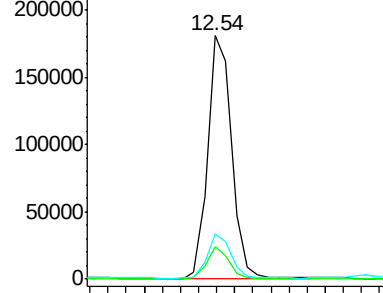
203 18.4 0.0 38.1



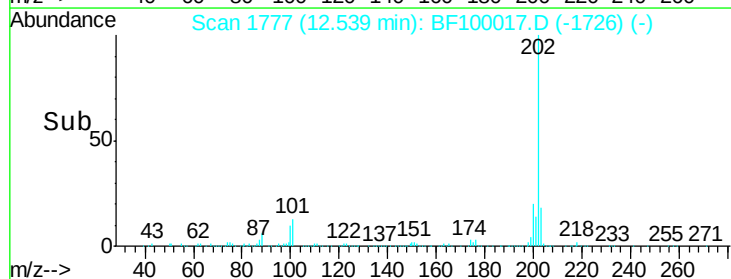
Abundance Ion 202.00 (201.70 to 202.70): E

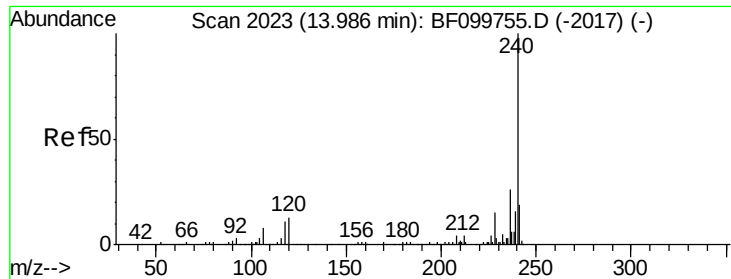
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BF100017.D

Acq: 31 Oct 2017 21:25

Instrument :

BNA_F

ClientSampleId :

SED-1

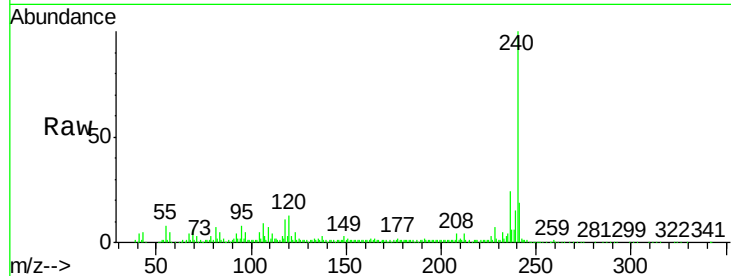
Tgt Ion:240 Resp: 155800

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

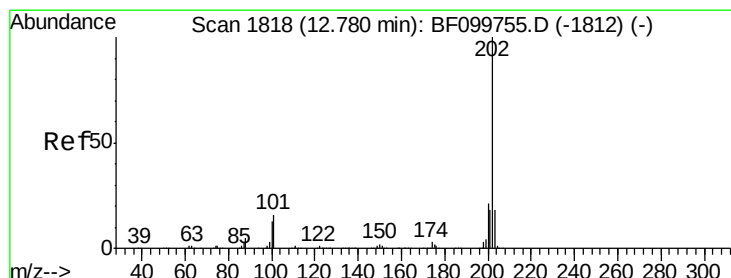
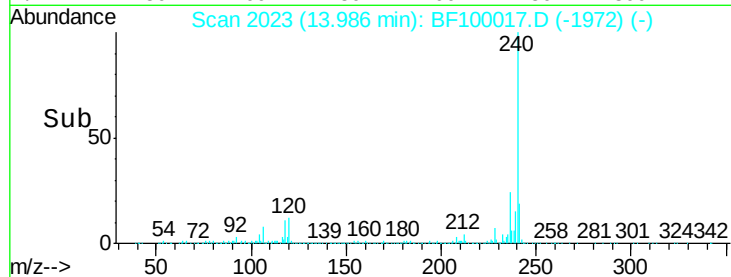
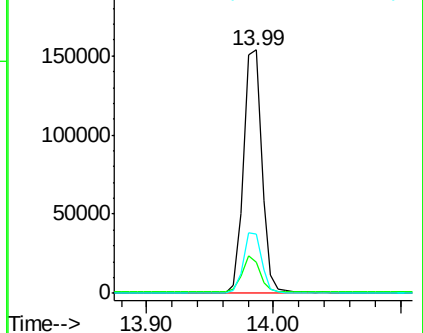
236 24.1 20.7 31.1



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: 12.41 ng

RT: 12.77 min Scan# 1817

Delta R.T. 0.00 min

Lab File: BF100017.D

Acq: 31 Oct 2017 21:25

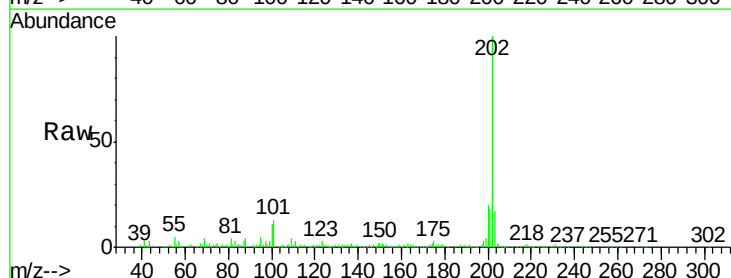
Tgt Ion:202 Resp: 146977

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

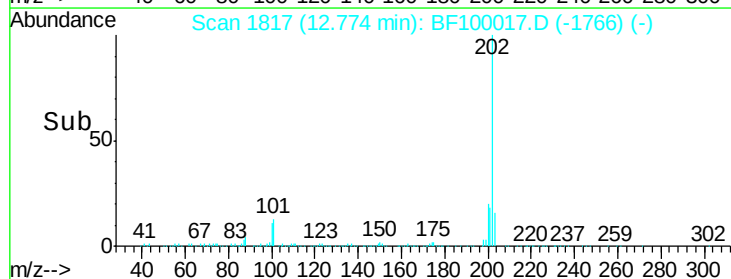
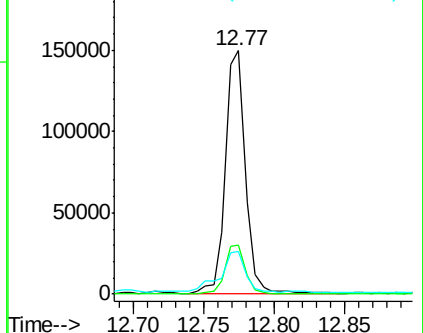
203 17.4 14.3 21.5

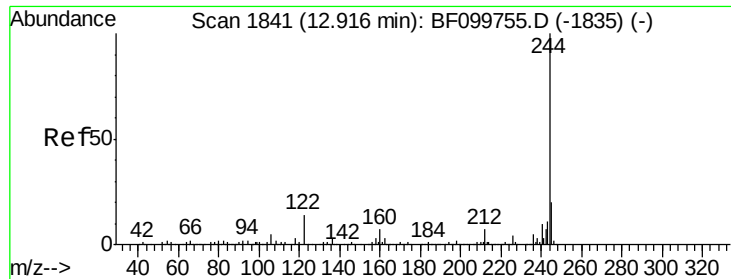


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 12.17 ng

RT: 12.90 min Scan# 1839

Delta R.T. 0.00 min

Lab File: BF100017.D

Acq: 31 Oct 2017 21:25

Instrument :

BNA_F

ClientSampleId :

SED-1

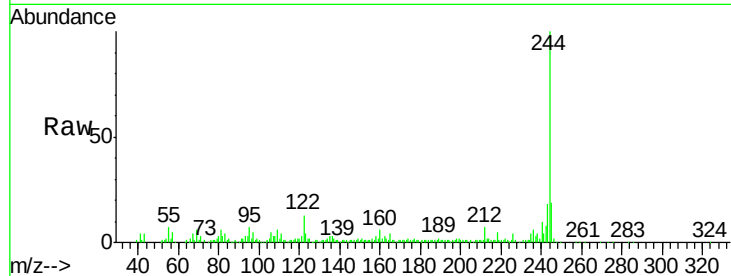
Tgt Ion:244 Resp: 86762

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

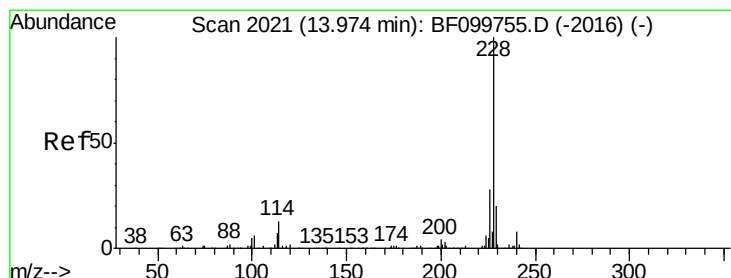
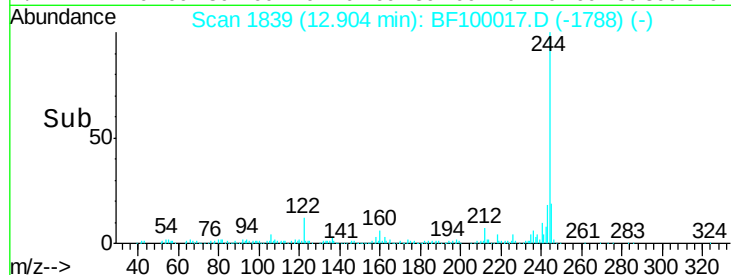
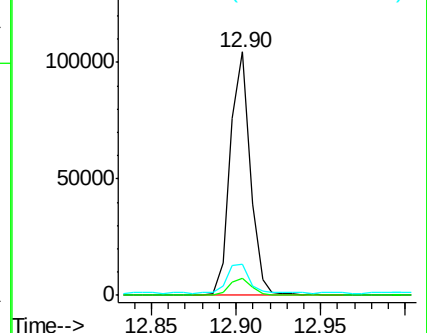
122 12.8 11.0 16.4



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: 6.35 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BF100017.D

Acq: 31 Oct 2017 21:25

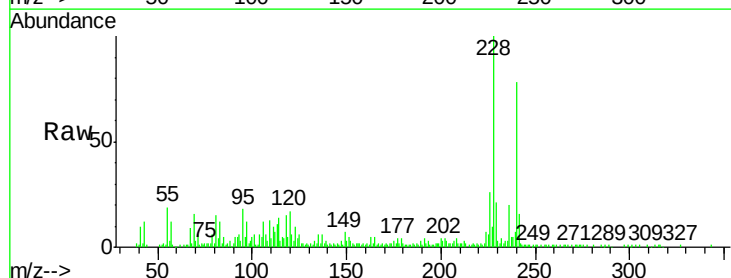
Tgt Ion:228 Resp: 62707

Ion Ratio Lower Upper

228 100

226 26.0 22.6 33.8

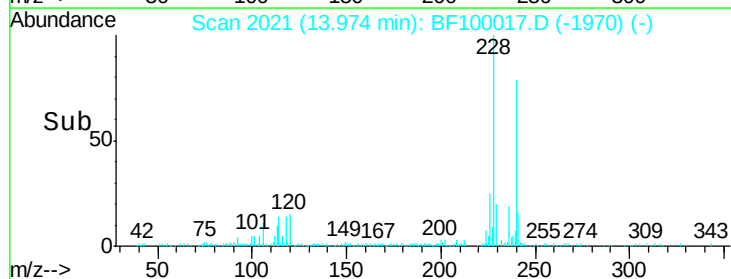
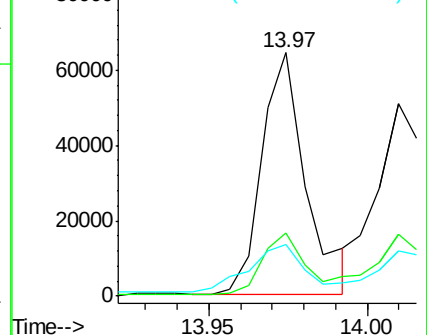
229 21.2 15.8 23.6

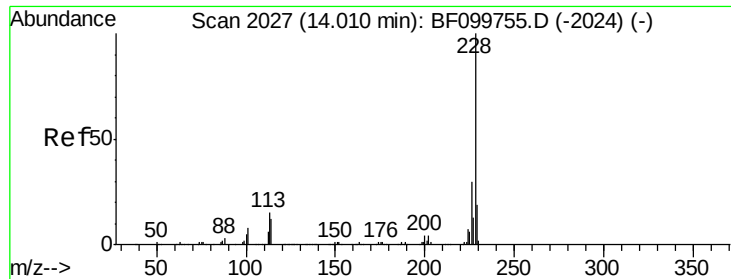


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.95 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF100017.D

Acq: 31 Oct 2017 21:25

Instrument :

BNA_F

ClientSampleId :

SED-1

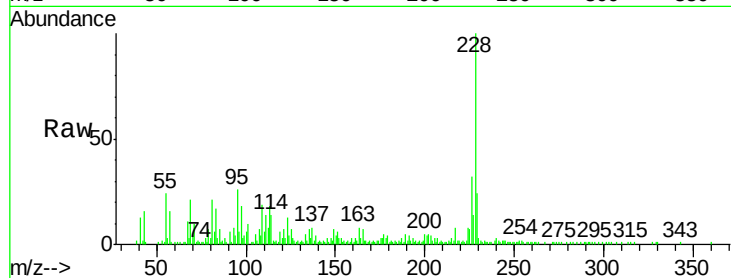
Tgt Ion:228 Resp: 55236

Ion Ratio Lower Upper

228 100

226 32.1 25.0 37.6

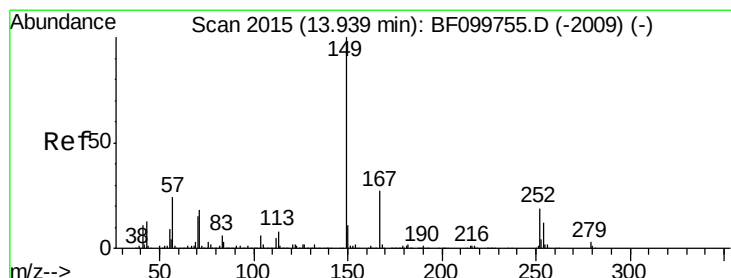
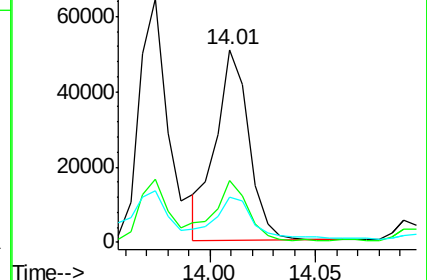
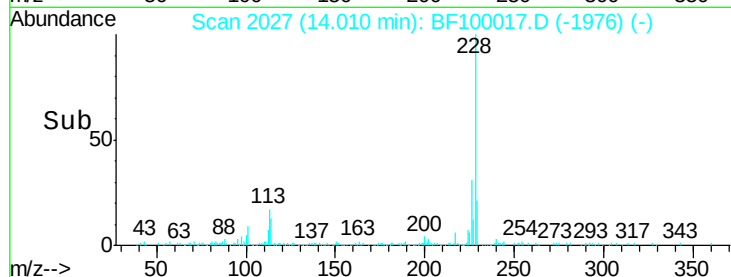
229 23.7 16.2 24.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.22 ng

RT: 13.93 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BF100017.D

Acq: 31 Oct 2017 21:25

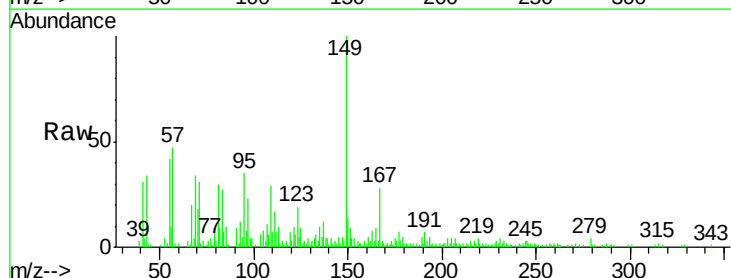
Tgt Ion:149 Resp: 26347

Ion Ratio Lower Upper

149 100

167 28.2 21.3 31.9

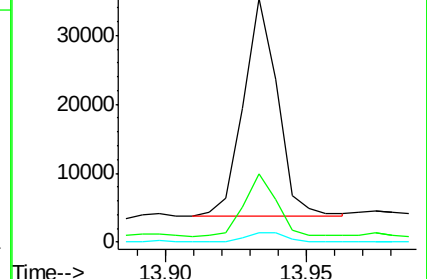
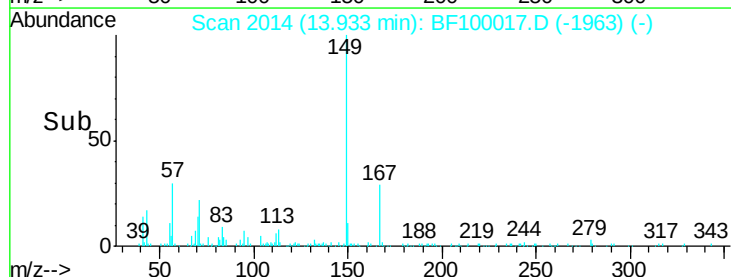
279 3.9 3.0 4.4

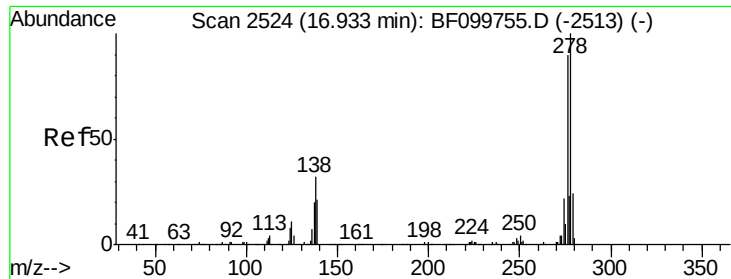


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

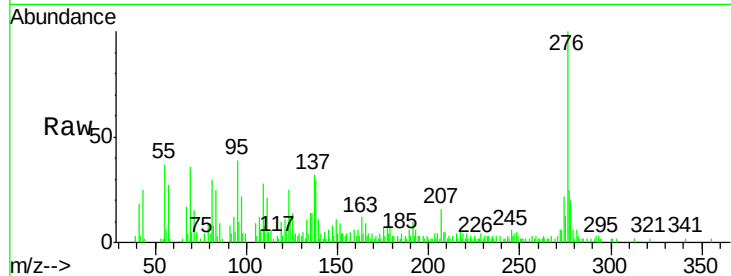




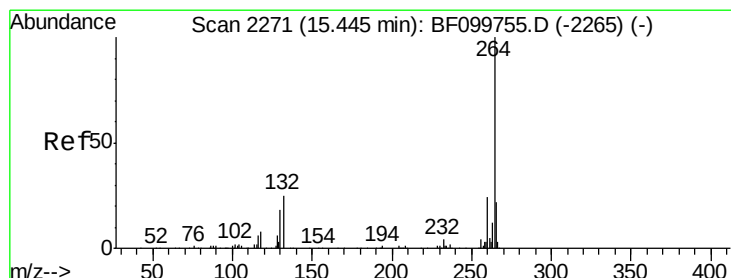
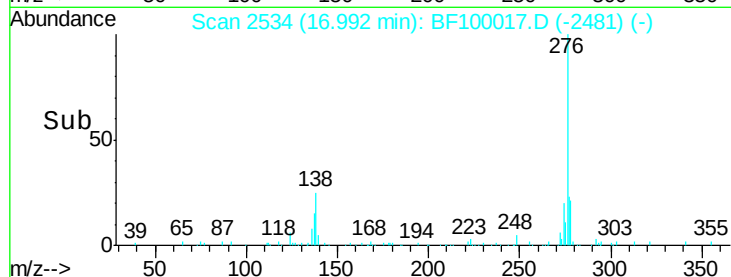
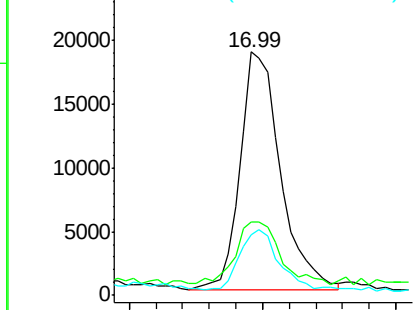
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.60 ng
 RT: 16.99 min Scan# 2534
 Delta R.T. 0.01 min
 Lab File: BF100017.D
 Acq: 31 Oct 2017 21:25

Instrument :
 BNA_F
 ClientSampleId :
 SED-1

Tgt Ion:276 Resp: 39184
 Ion Ratio Lower Upper
 276 100
 138 28.8 25.0 37.6
 277 24.6 20.1 30.1

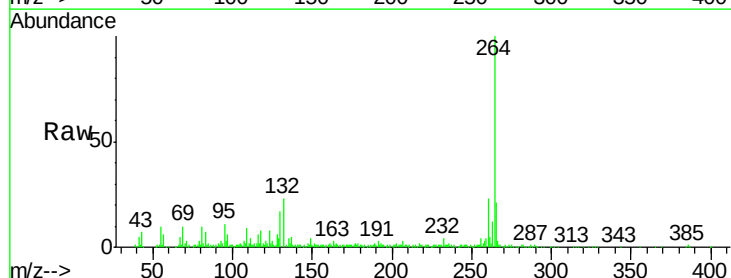


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

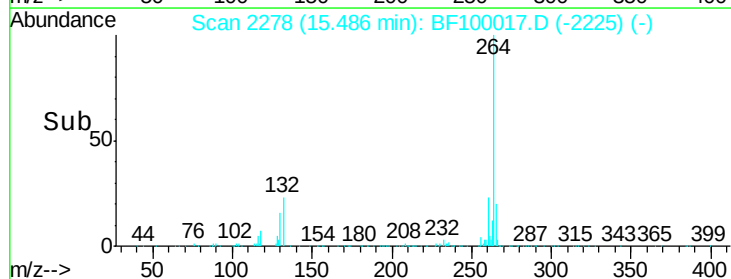
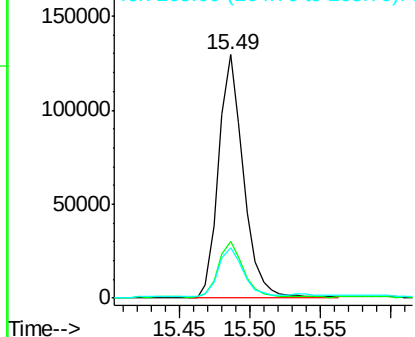


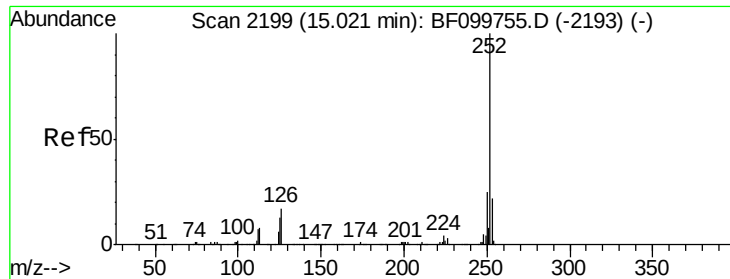
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. 0.01 min
 Lab File: BF100017.D
 Acq: 31 Oct 2017 21:25

Tgt Ion:264 Resp: 158291
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.2 28.8
 265 20.6 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

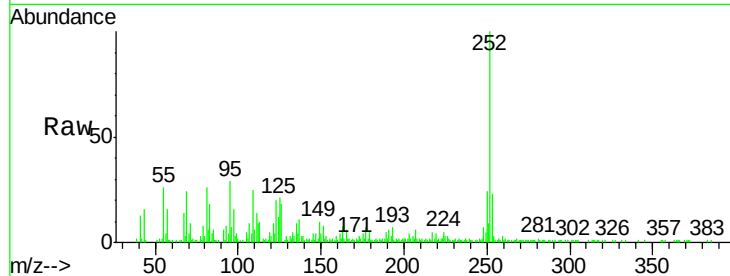




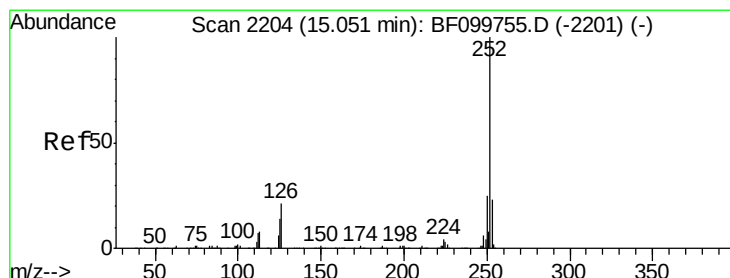
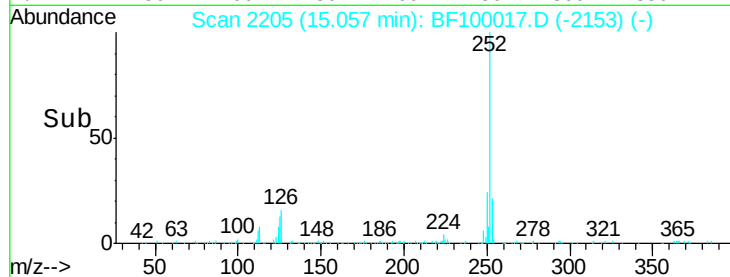
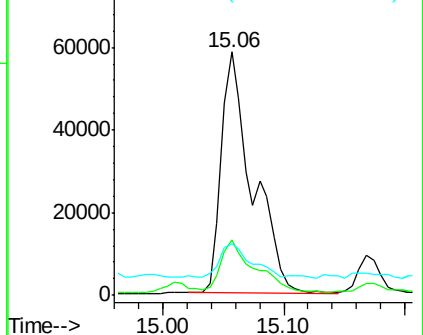
#87
Benzo(b)fluoranthene
Concen: 10.42 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF100017.D
Acq: 31 Oct 2017 21:25

Instrument :
BNA_F
ClientSampleId :
SED-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	21.3	9.0	13.6

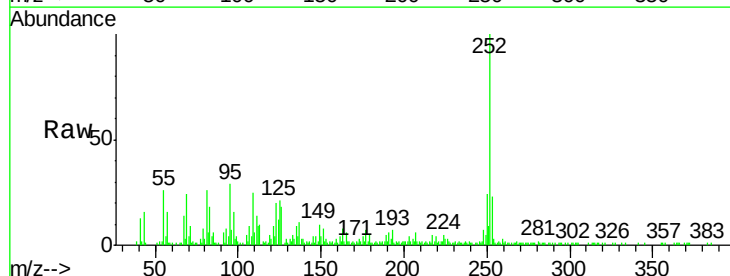


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

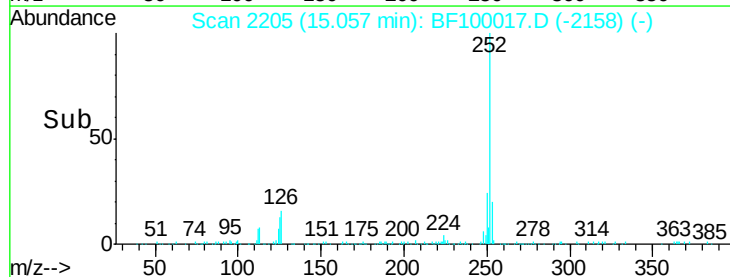
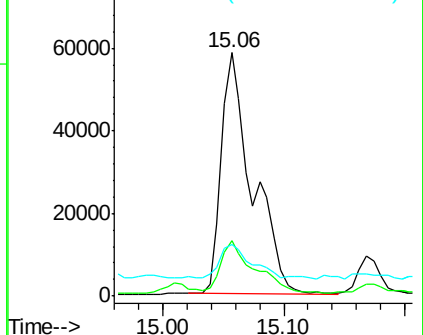


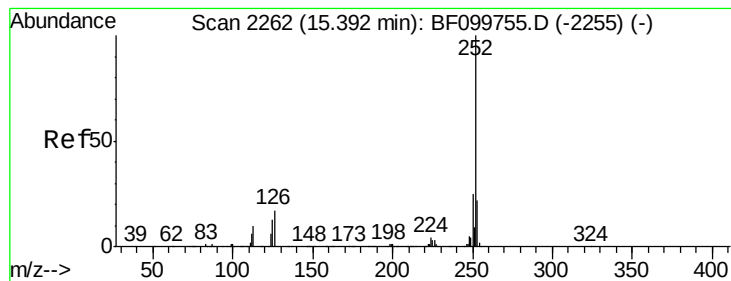
#88
Benzo(k)fluoranthene
Concen: 11.05 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF100017.D
Acq: 31 Oct 2017 21:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	21.3	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: 6.29 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.01 min

Lab File: BF100017.D

Acq: 31 Oct 2017 21:25

Instrument :

BNA_F

ClientSampleId :

SED-1

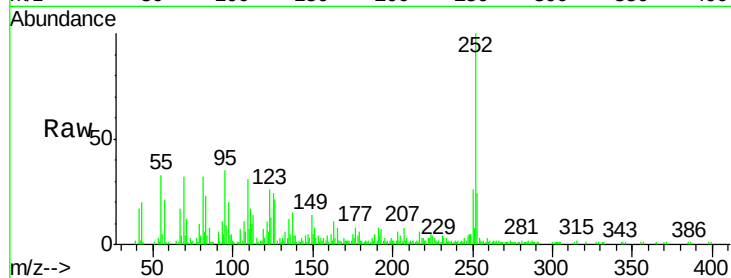
Tgt Ion:252 Resp: 56518

Ion Ratio Lower Upper

252 100

253 24.5 17.1 25.7

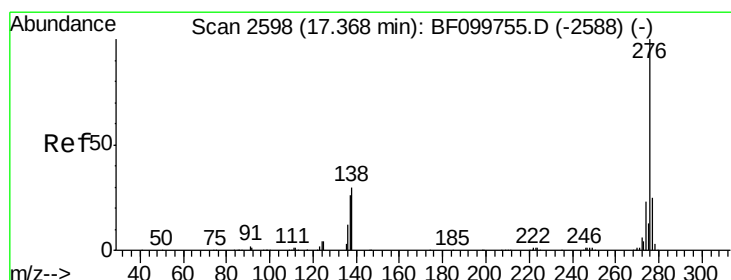
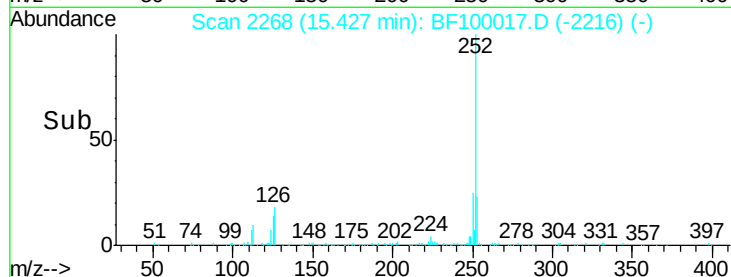
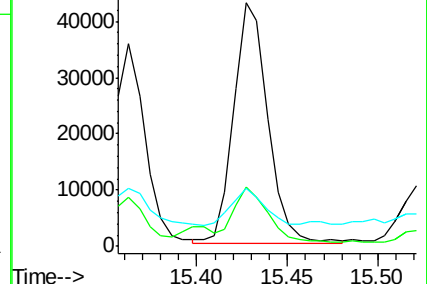
125 23.8 9.8 14.6#



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(g,h,i)perylene

Concen: 5.19 ng

RT: 17.46 min Scan# 2613

Delta R.T. 0.04 min

Lab File: BF100017.D

Acq: 31 Oct 2017 21:25

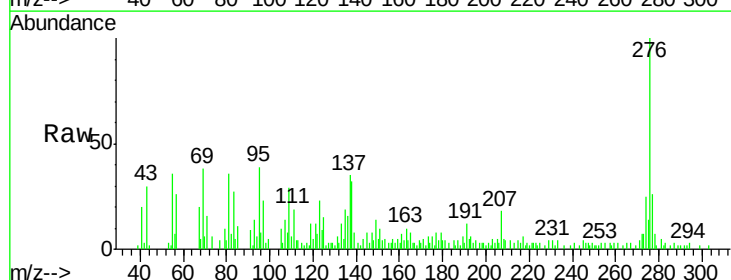
Tgt Ion:276 Resp: 40510

Ion Ratio Lower Upper

276 100

277 25.5 17.9 26.9

138 32.1 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

