

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092617\
 Data File : BF098831.D
 Acq On : 26 Sep 2017 14:44
 Operator : SJ/JU
 Sample : I5363-13 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 27 00:45:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	151766	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	640369	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	291589	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	513600	20.00	ng	0.00
75) Chrysene-d12	14.07	240	329544	20.00	ng	-0.01
86) Perylene-d12	15.57	264	308506	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	88146	9.25	ng	-0.02
7) Phenol-d6	6.52	99	146318	12.44	ng	-0.02
23) Nitrobenzene-d5	7.47	82	76776	7.69	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	44386	18.60	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	219800	12.58	ng	-0.02
78) Terphenyl-d14	13.02	244	228667	15.78	ng	-0.02

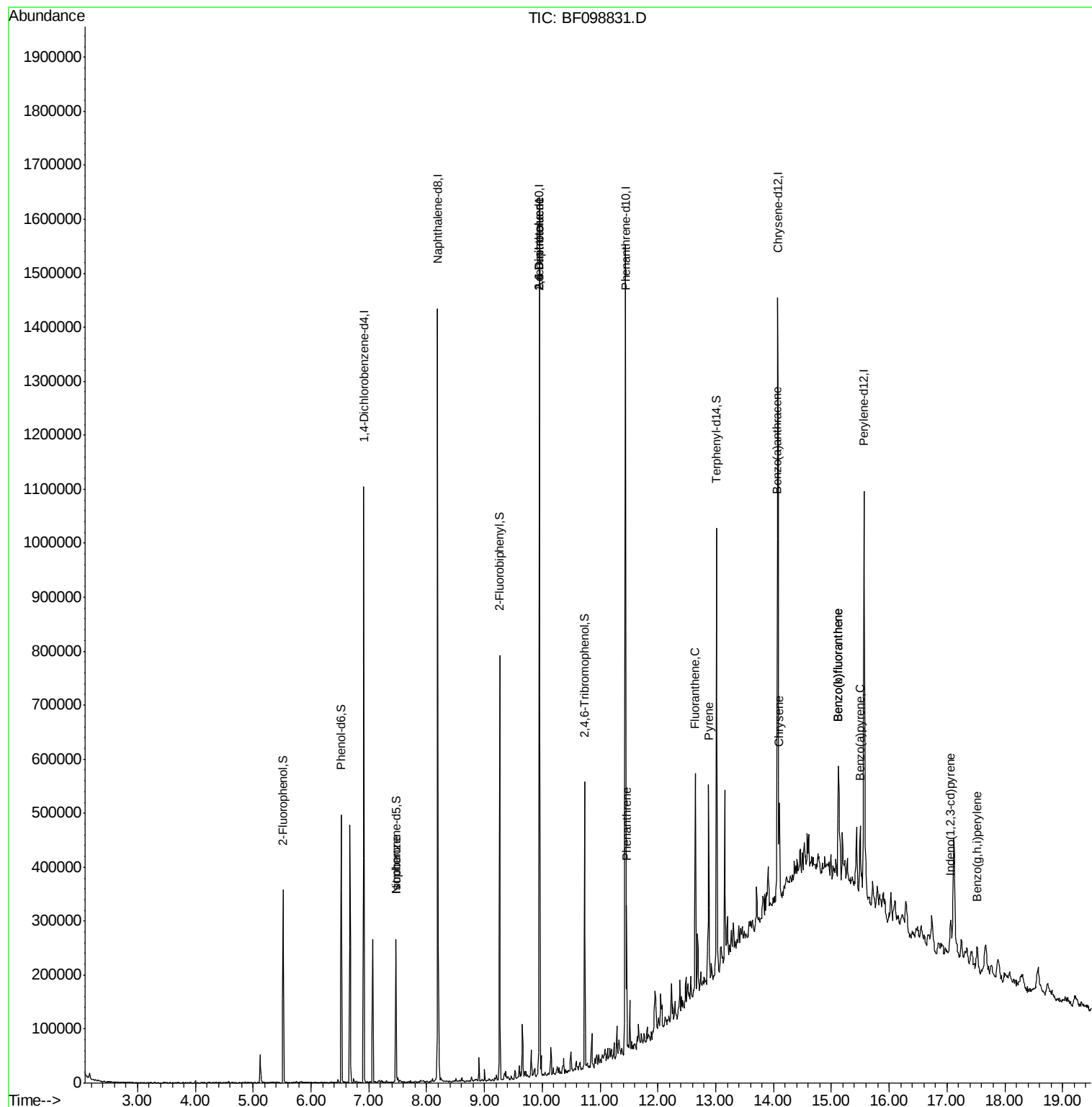
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.47	82	76774	3.72	ng	# 64
50) 2,6-Dinitrotoluene	9.95	165	38229	7.98	ng	# 26
56) 2,4-Dinitrotoluene	9.95	165	38229	6.15	ng	# 23
70) Phenanthrene	11.46	178	91113	3.31	ng	96
74) Fluoranthene	12.64	202	157717	5.67	ng	99
77) Pyrene	12.88	202	147242	5.86	ng	97
80) Benzo(a)anthracene	14.06	228	72329	3.62	ng	96
82) Chrysene	14.10	228	73259	3.86	ng	97
85) Indeno(1,2,3-cd)pyrene	17.07	276	39299	2.59	ng	98
87) Benzo(b)fluoranthene	15.13	252	137378	7.24	ng	# 95
88) Benzo(k)fluoranthene	15.13	252	137378	7.33	ng	# 95
89) Benzo(a)pyrene	15.50	252	62018	3.56	ng	# 85
91) Benzo(a,h,i)perylene	17.53	276	40907	2.97	ng	95

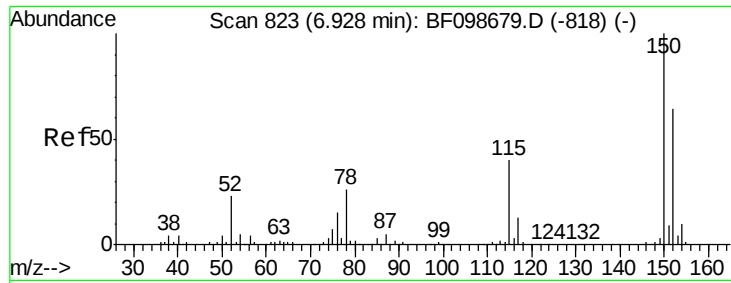
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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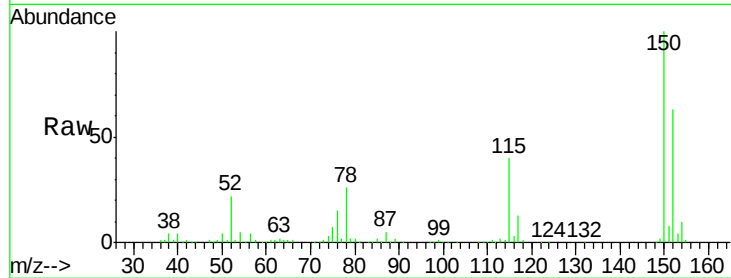


#1

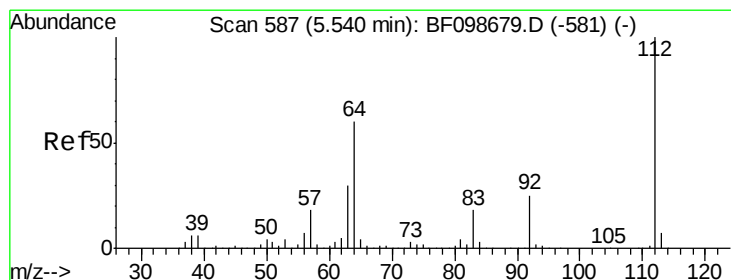
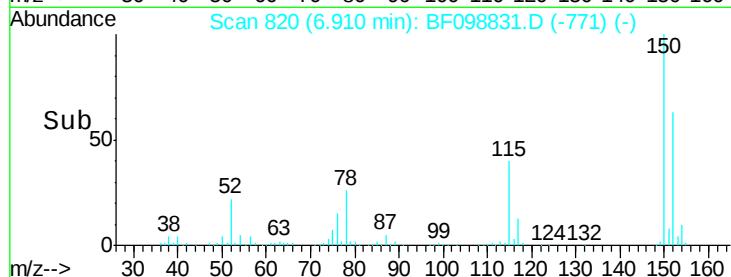
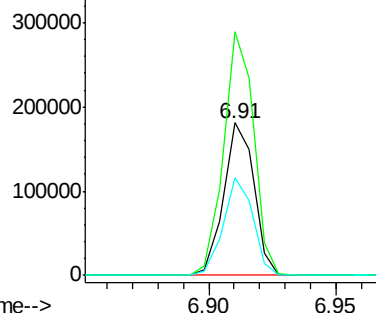
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF098831.D
Acq: 26 Sep 2017 14:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 151766
Ion Ratio Lower Upper
152 100
150 159.7 124.6 186.8
115 64.3 50.1 75.1



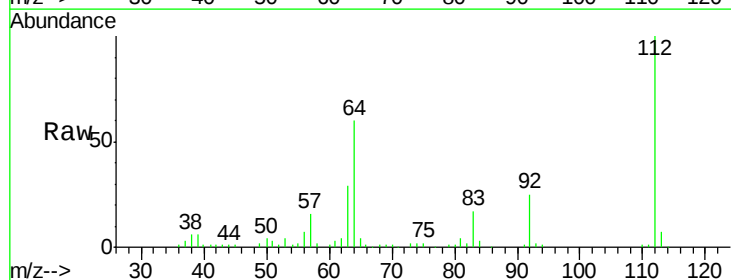
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



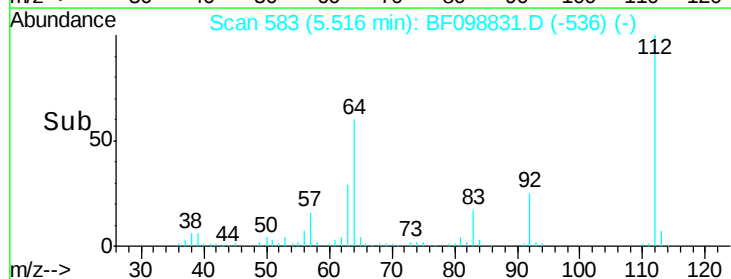
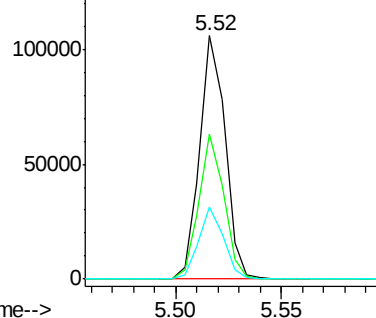
#5

2-Fluorophenol
Concen: 9.25 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.02 min
Lab File: BF098831.D
Acq: 26 Sep 2017 14:44

Tgt Ion:112 Resp: 88146
Ion Ratio Lower Upper
112 100
64 59.6 47.9 71.9
63 29.5 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: 12.44 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.02 min

Lab File: BF098831.D

Acq: 26 Sep 2017 14:44

Instrument :

BNA_F

ClientSampled :

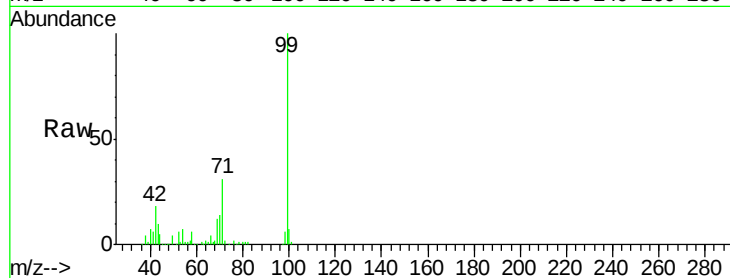
Tot Ion: 99 Resp: 146318

Ion Ratio Lower Upper

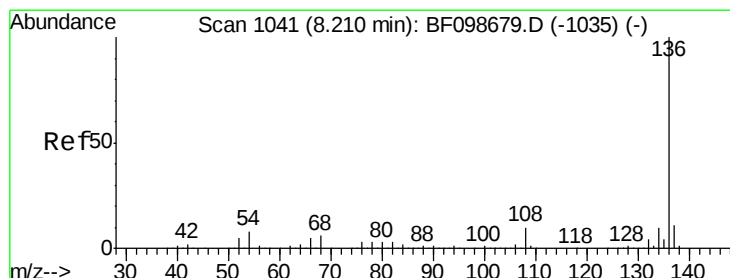
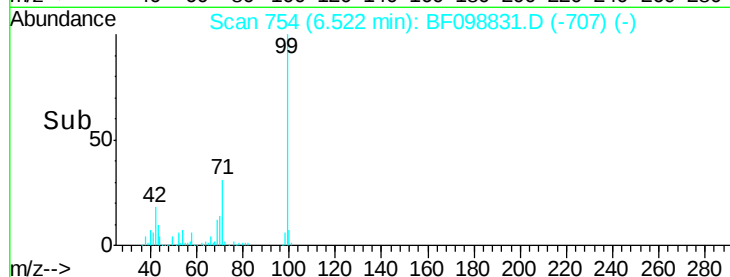
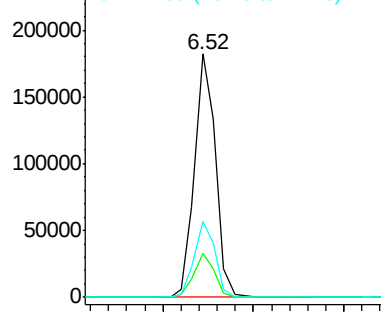
99 100

42 18.2 14.5 21.7

71 31.3 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF098831.D

Acq: 26 Sep 2017 14:44

Tgt Ion: 136 Resp: 640369

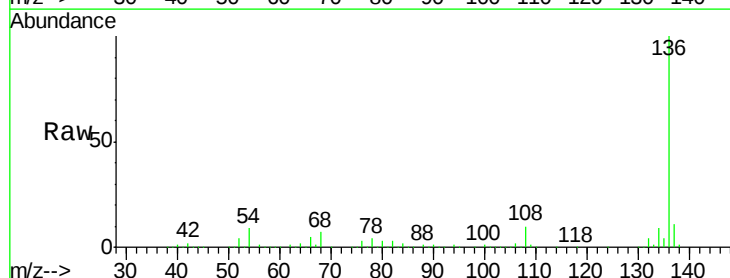
Ion Ratio Lower Upper

136 100

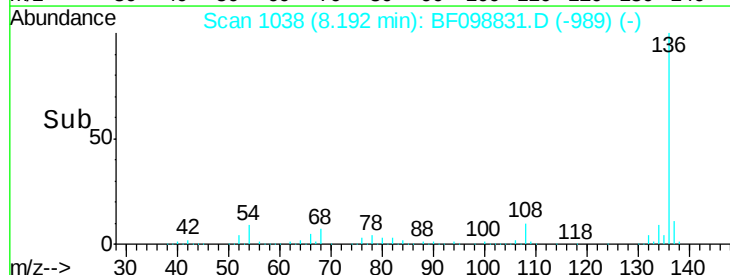
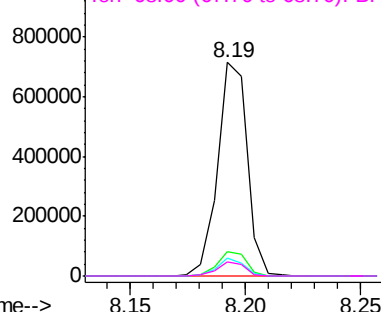
137 11.2 8.9 13.3

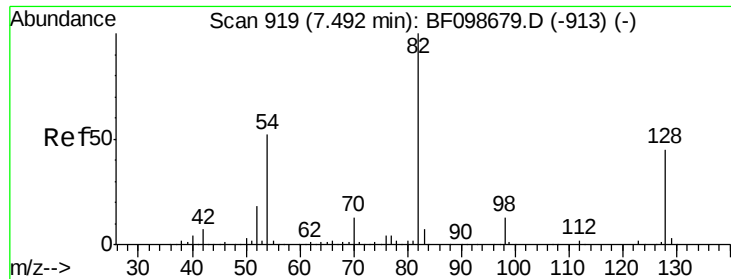
54 8.6 6.6 9.8

68 6.8 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

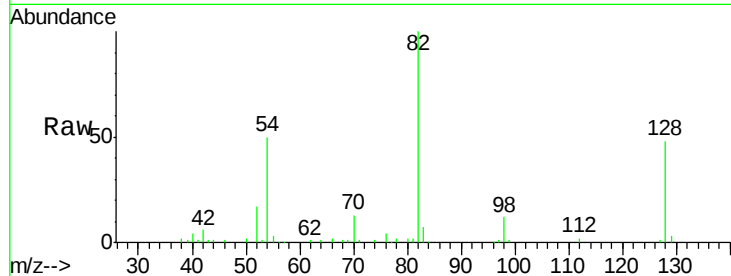




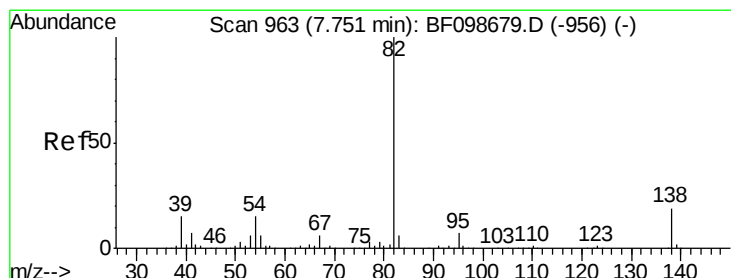
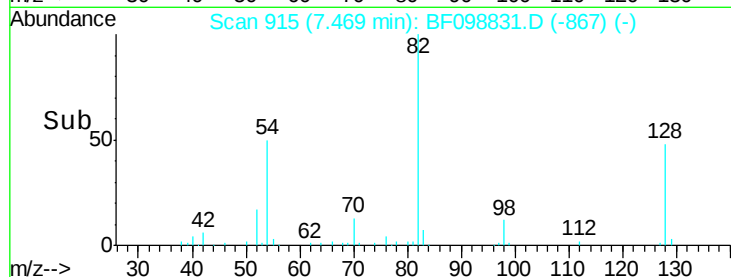
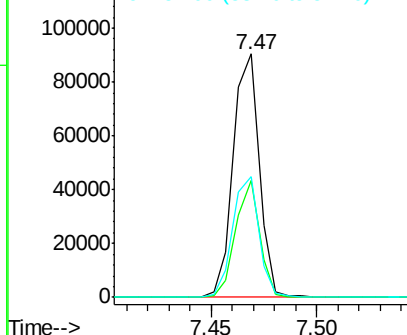
#23
 Nitrobenzene-d5
 Concen: 7.69 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.02 min
 Lab File: BF098831.D
 Acq: 26 Sep 2017 14:44

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion: 82 Resp: 76776
 Ion Ratio Lower Upper
 82 100
 128 47.9 36.1 54.1
 54 49.7 41.4 62.2

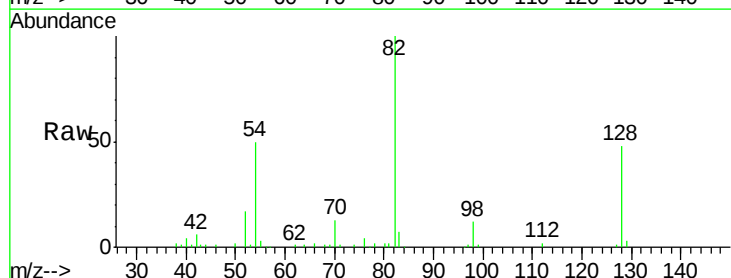


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

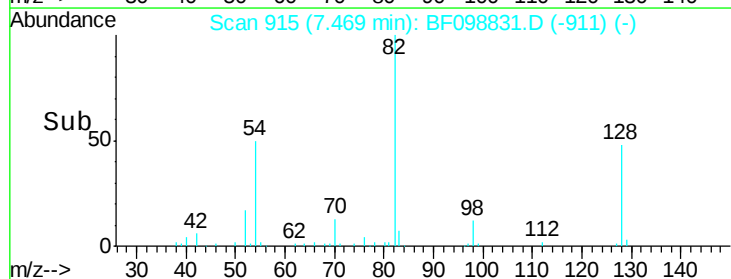
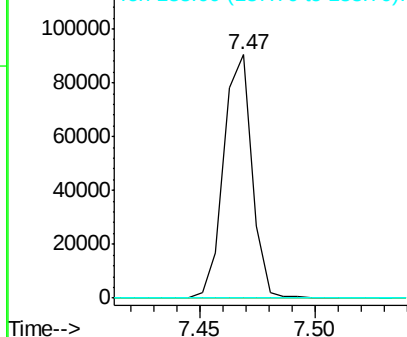


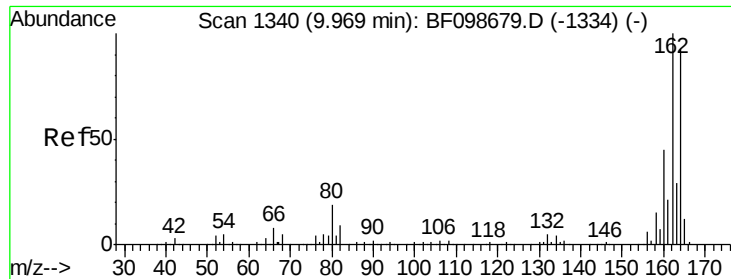
#25
 Isophorone
 Concen: 3.72 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.28 min
 Lab File: BF098831.D
 Acq: 26 Sep 2017 14:44

Tgt Ion: 82 Resp: 76774
 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): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098831.D

Acq: 26 Sep 2017 14:44

Instrument :

BNA_F

ClientSampleId :

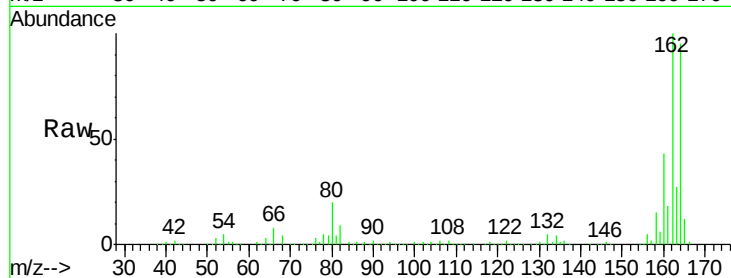
Tot Ion:164 Resp: 291589

Ion Ratio Lower Upper

164 100

162 105.2 86.1 129.1

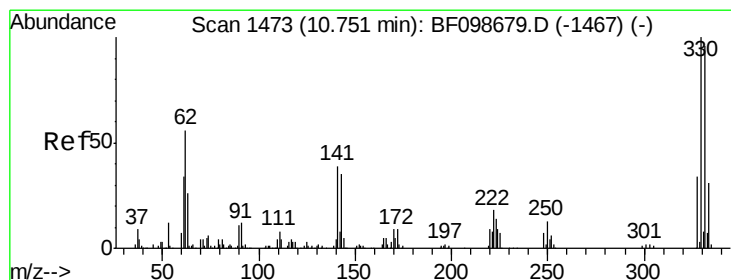
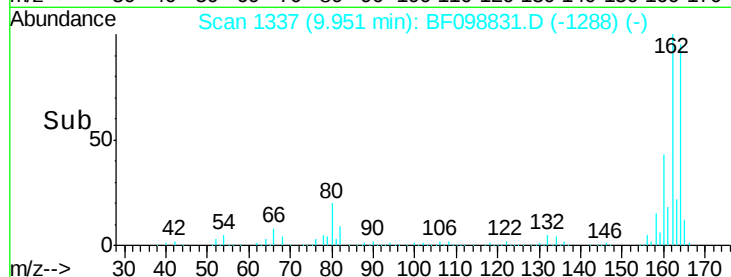
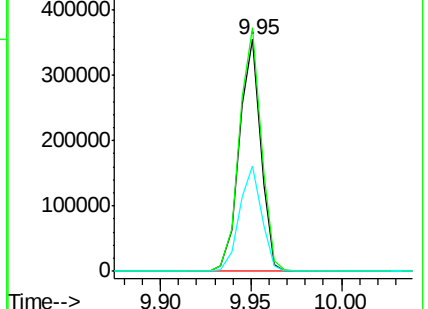
160 45.7 38.3 57.5



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: 18.60 ng

RT: 10.73 min Scan# 1470

Delta R.T. -0.02 min

Lab File: BF098831.D

Acq: 26 Sep 2017 14:44

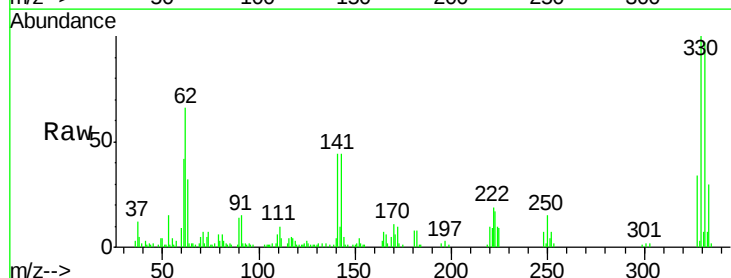
Tgt Ion:330 Resp: 44386

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

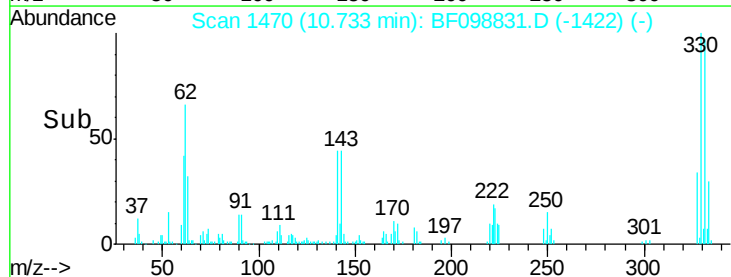
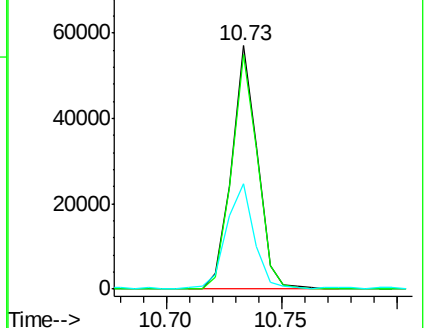
141 47.1 29.9 44.9#

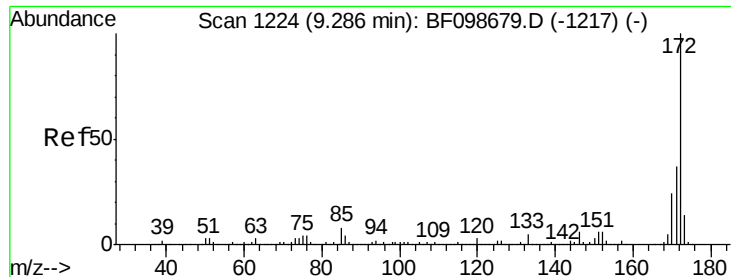


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

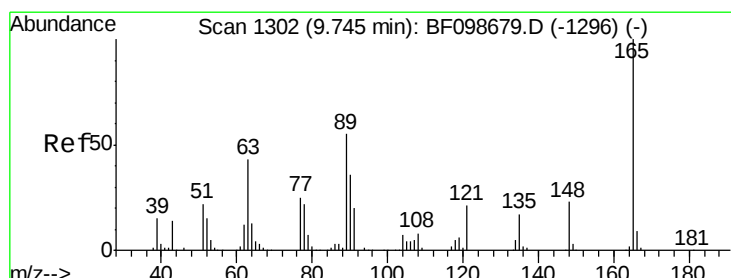
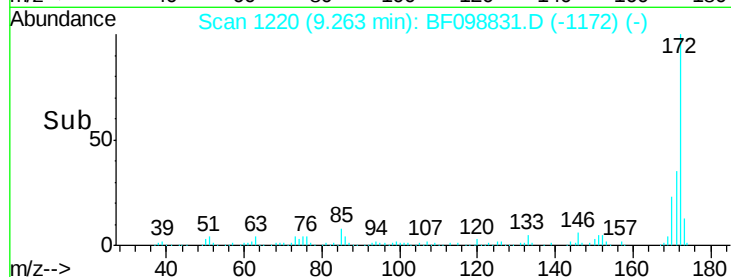
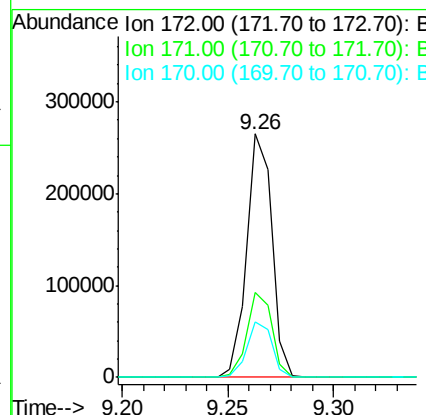
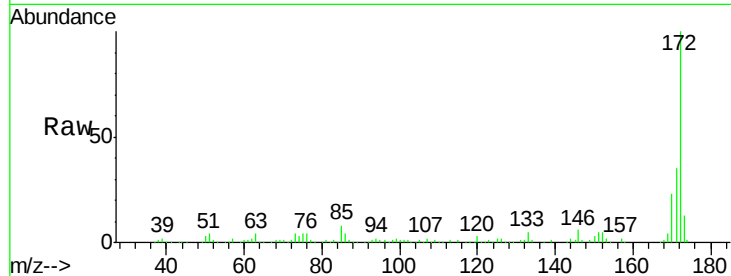




#44
 2-Fluorobiphenyl
 Concen: 12.58 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.02 min
 Lab File: BF098831.D
 Acq: 26 Sep 2017 14:44

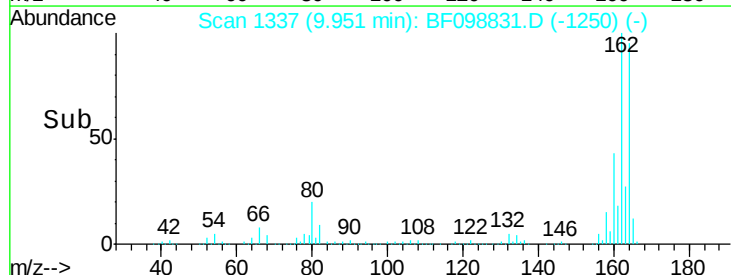
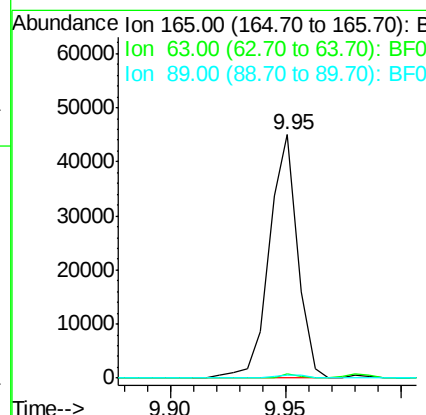
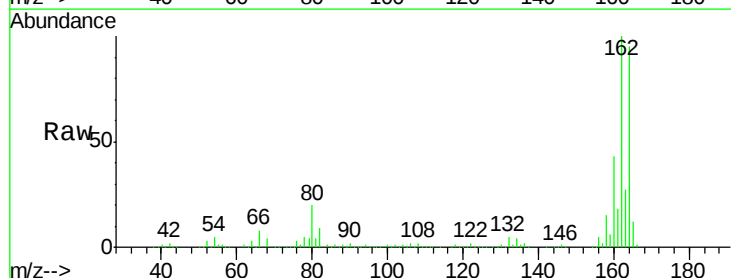
Instrument :
 BNA_F
 ClientSampleId :

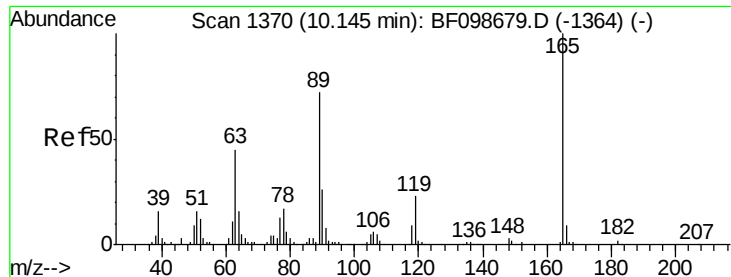
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	22.8	19.6	29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.98 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. 0.21 min
 Lab File: BF098831.D
 Acq: 26 Sep 2017 14:44

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.4	44.0	66.0#

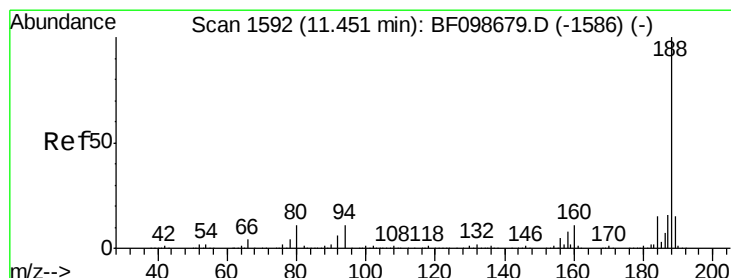
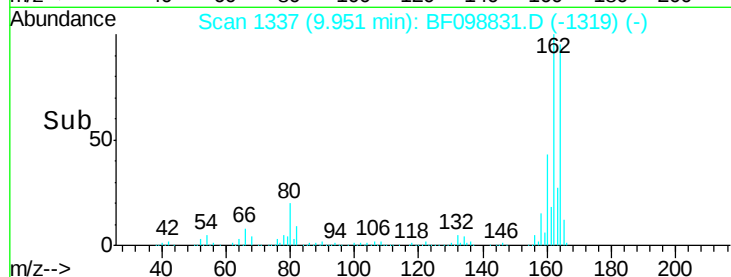
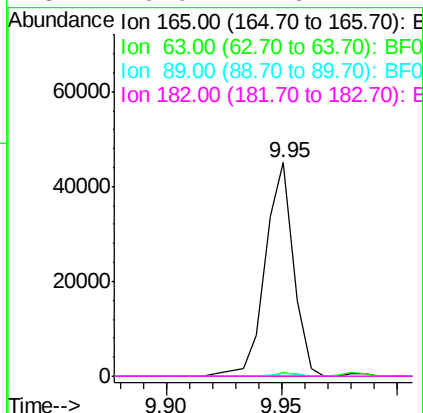
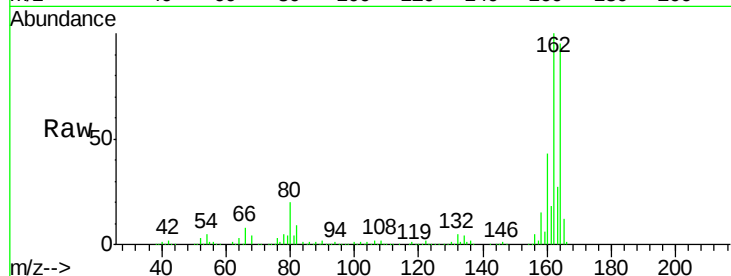




#56
 2,4-Dinitrotoluene
 Concen: 6.15 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.19 min
 Lab File: BF098831.D
 Acq: 26 Sep 2017 14:44

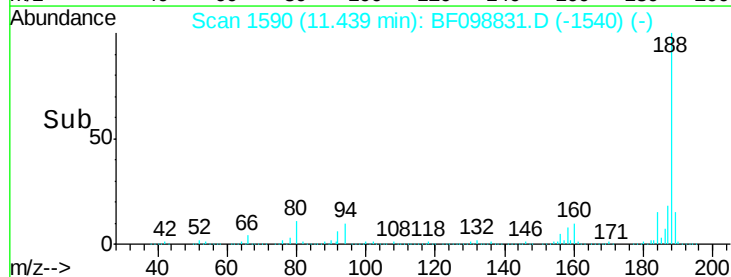
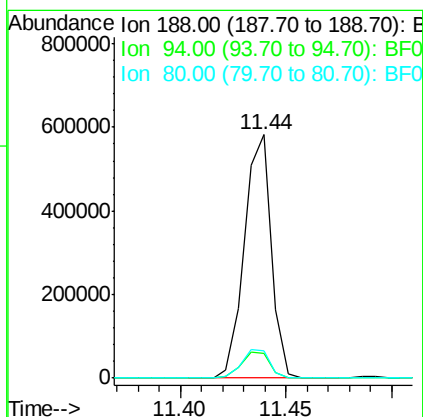
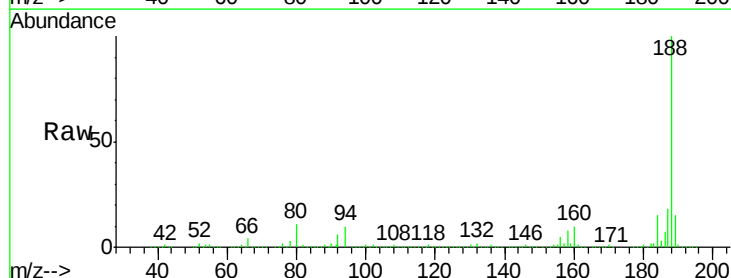
Instrument :
 BNA_F
 ClientSampleId :

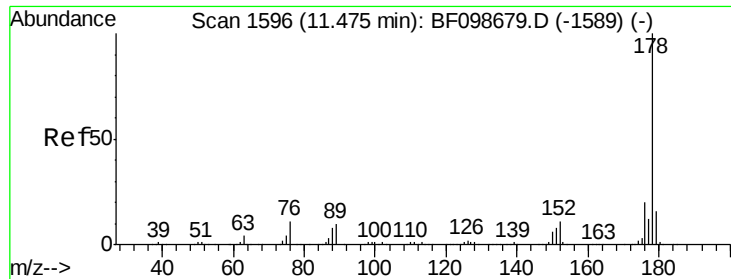
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098831.D
 Acq: 26 Sep 2017 14:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	11.0	9.2	13.8





#70

Phenanthrene

Concen: 3.31 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.02 min

Lab File: BF098831.D

Acq: 26 Sep 2017 14:44

Instrument :

BNA_F

ClientSampled :

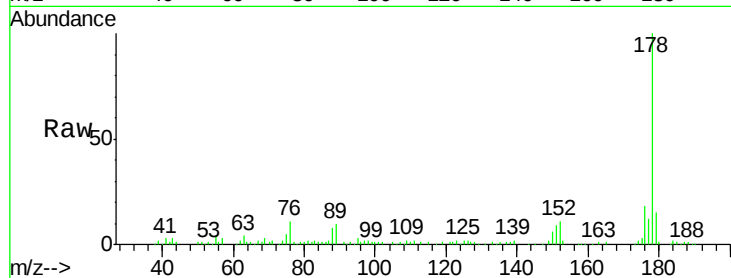
Tot Ion:178 Resp: 91113

Ion Ratio Lower Upper

178 100

176 17.7 15.8 23.8

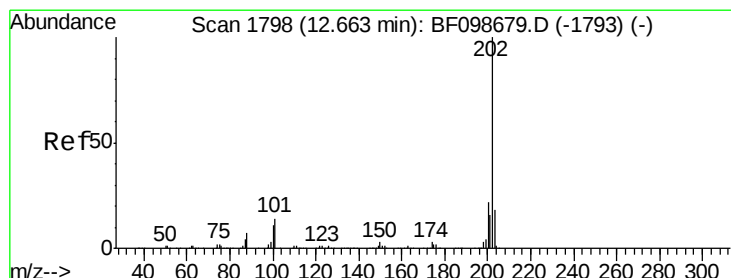
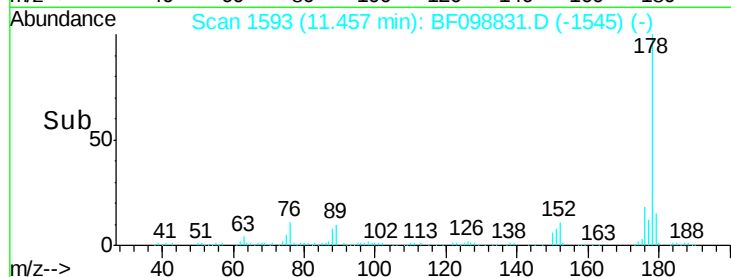
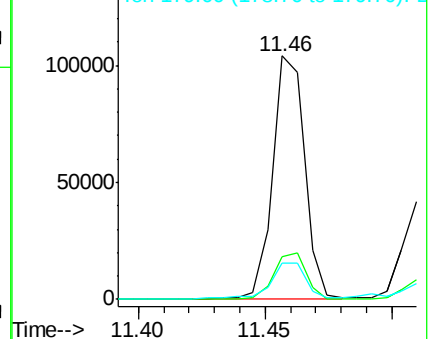
179 14.9 13.0 19.6



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



#74

Fluoranthene

Concen: 5.67 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.02 min

Lab File: BF098831.D

Acq: 26 Sep 2017 14:44

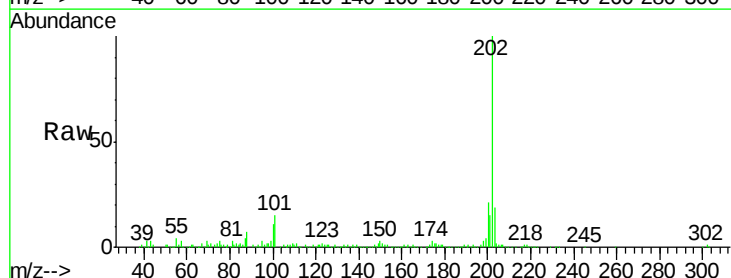
Tgt Ion:202 Resp: 157717

Ion Ratio Lower Upper

202 100

101 14.9 0.0 34.1

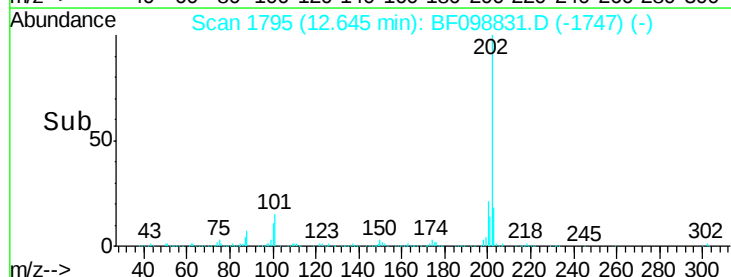
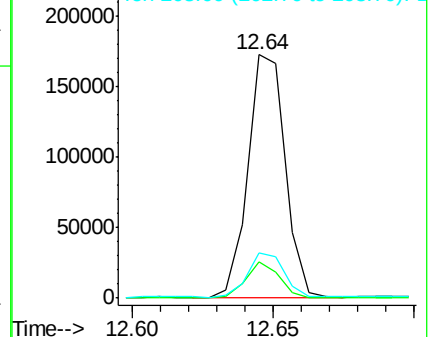
203 18.5 0.0 38.1

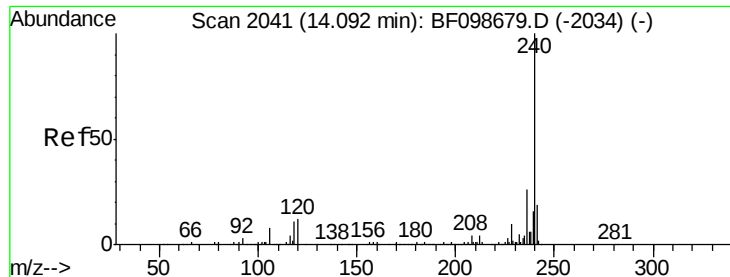


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF098831.D

Acq: 26 Sep 2017 14:44

Instrument :

BNA_F

ClientSampleId :

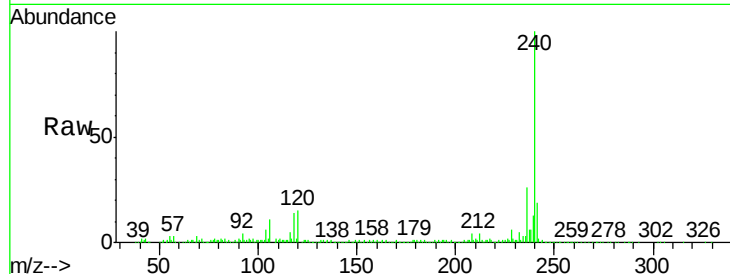
Tot Ion:240 Resp: 329544

Ion Ratio Lower Upper

240 100

120 15.2 9.5 14.3#

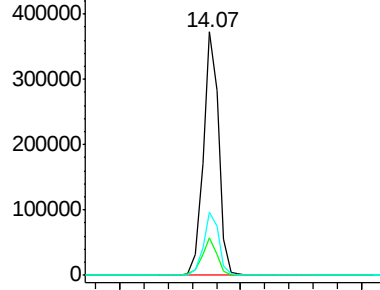
236 25.9 20.7 31.1



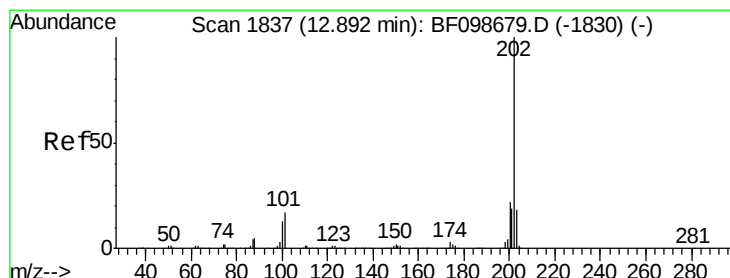
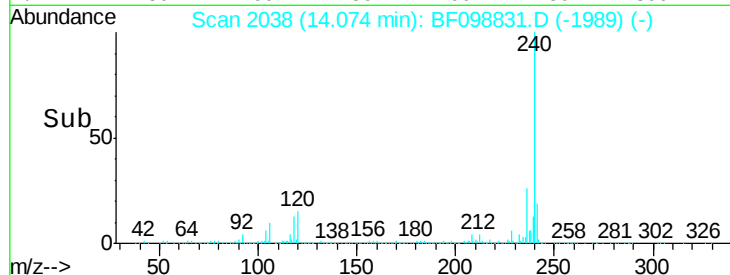
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 5.86 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098831.D

Acq: 26 Sep 2017 14:44

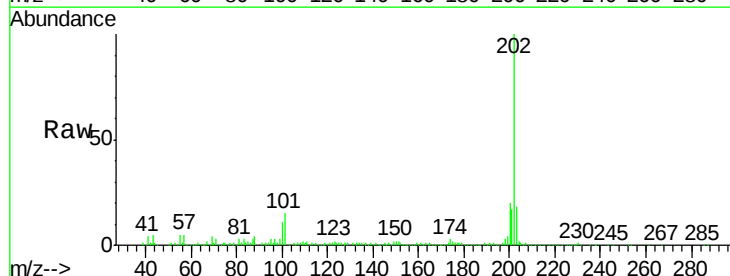
Tgt Ion:202 Resp: 147242

Ion Ratio Lower Upper

202 100

200 19.9 17.4 26.2

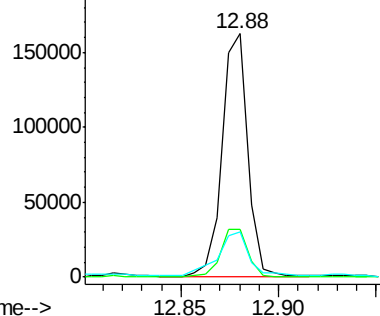
203 18.5 14.3 21.5



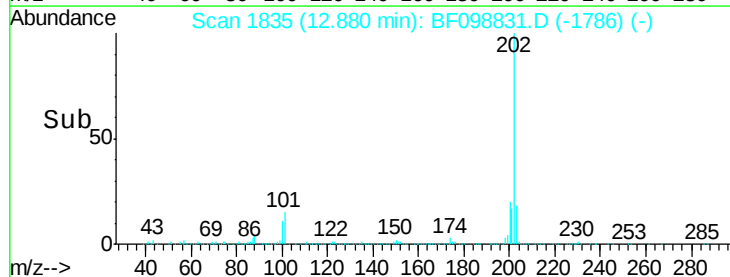
Abundance Ion 202.00 (201.70 to 202.70): E

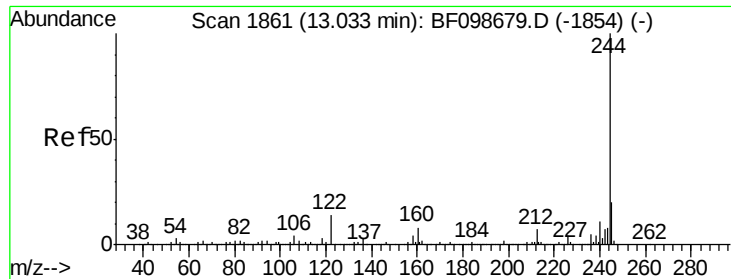
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#78

Terphenyl-d14

Concen: 15.78 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.02 min

Lab File: BF098831.D

Acq: 26 Sep 2017 14:44

Instrument :

BNA_F

ClientSampleId :

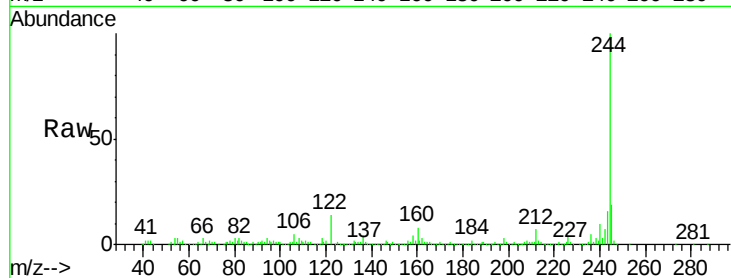
Tot Ion:244 Resp: 228667

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

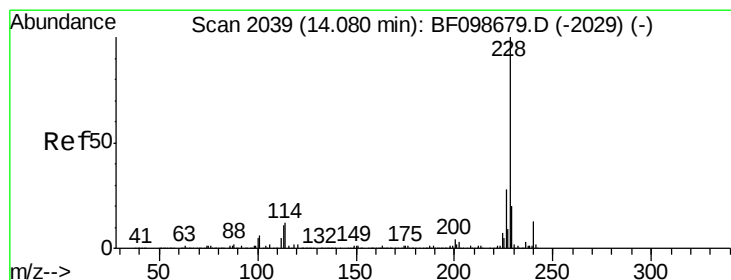
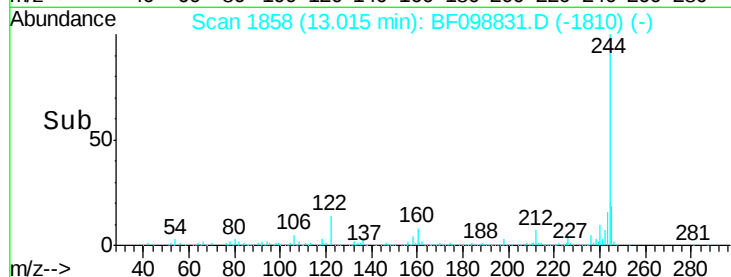
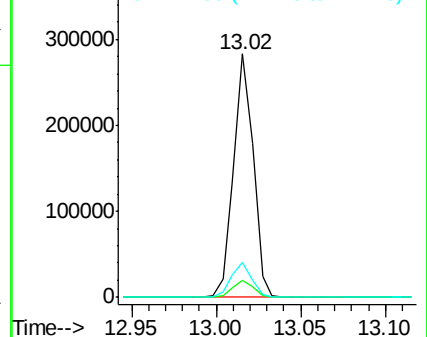
122 14.4 11.0 16.4



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: 3.62 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF098831.D

Acq: 26 Sep 2017 14:44

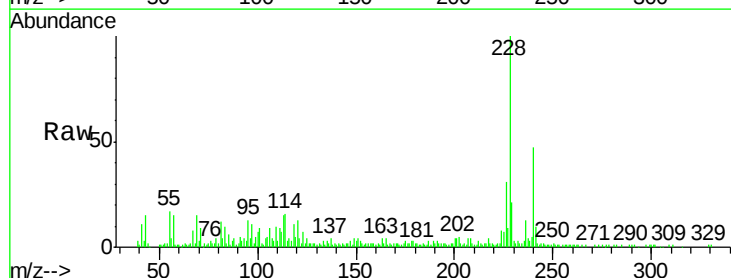
Tgt Ion:228 Resp: 72329

Ion Ratio Lower Upper

228 100

226 30.8 22.6 33.8

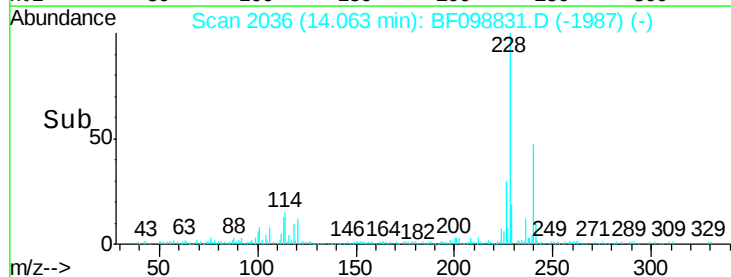
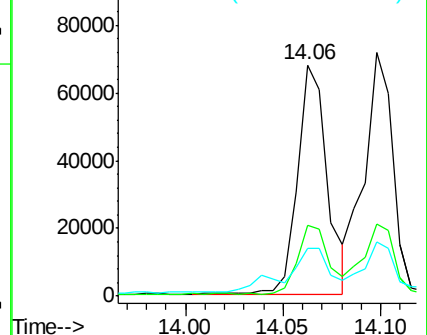
229 20.8 15.8 23.6

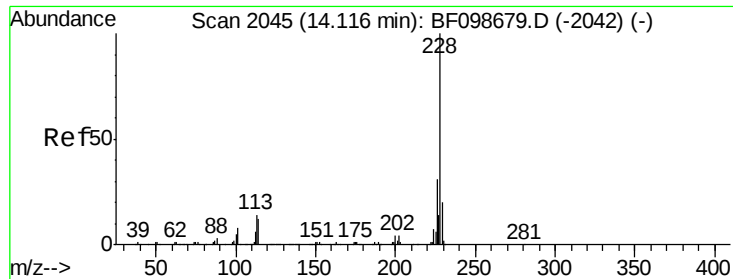


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

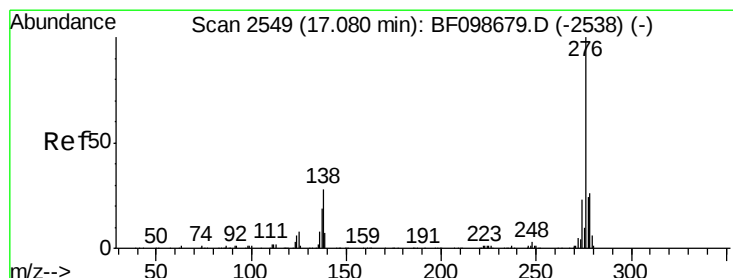
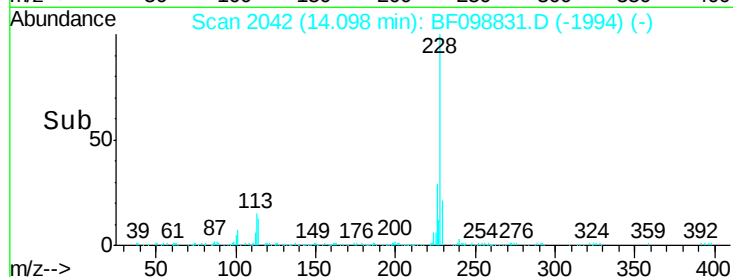
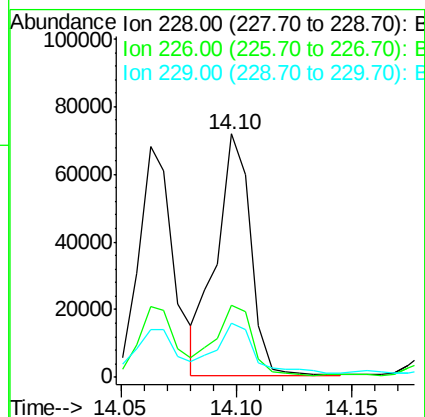
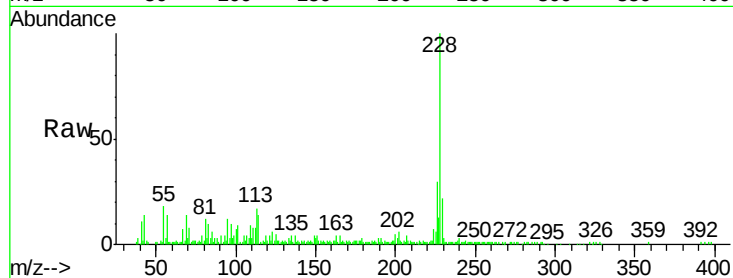




#82
Chrysene
Concen: 3.86 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.02 min
Lab File: BF098831.D
Acq: 26 Sep 2017 14:44

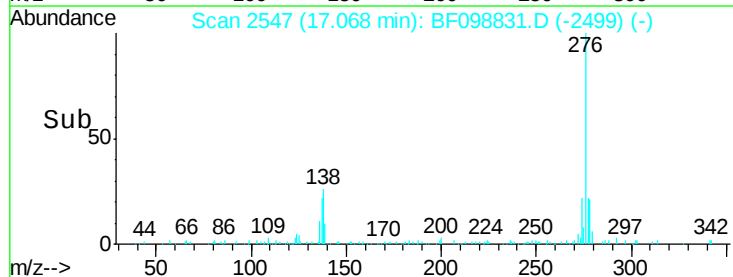
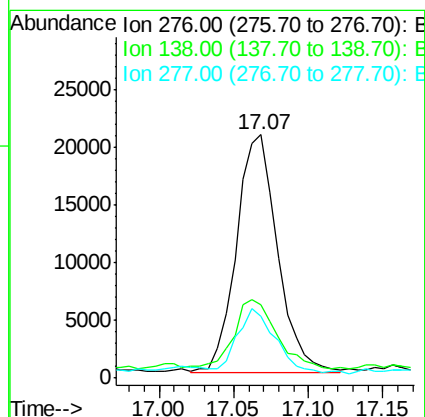
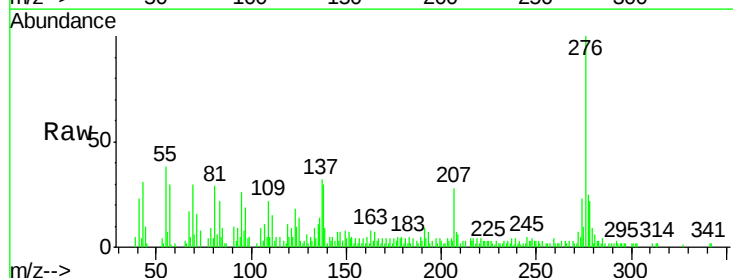
Instrument :
BNA_F
ClientSampleId :

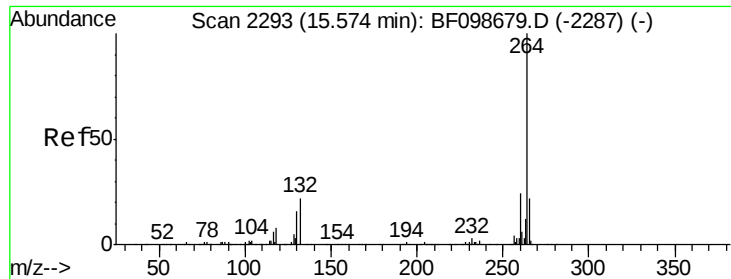
Tot Ion:228 Resp: 73259
Ion Ratio Lower Upper
228 100
226 29.8 25.0 37.6
229 22.1 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.59 ng
RT: 17.07 min Scan# 2547
Delta R.T. -0.02 min
Lab File: BF098831.D
Acq: 26 Sep 2017 14:44

Tgt Ion:276 Resp: 39299
Ion Ratio Lower Upper
276 100
138 30.5 25.0 37.6
277 24.0 20.1 30.1

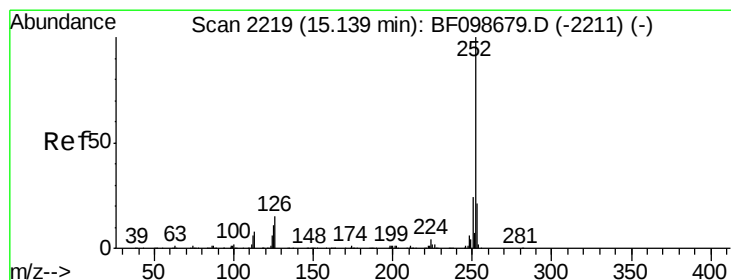
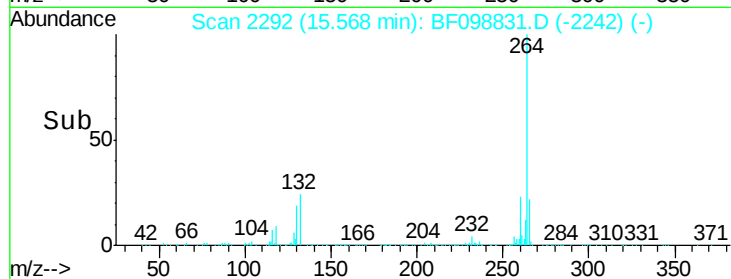
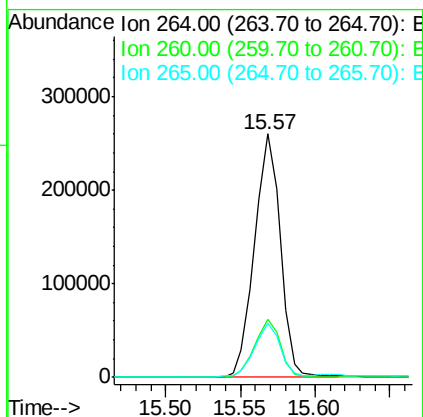
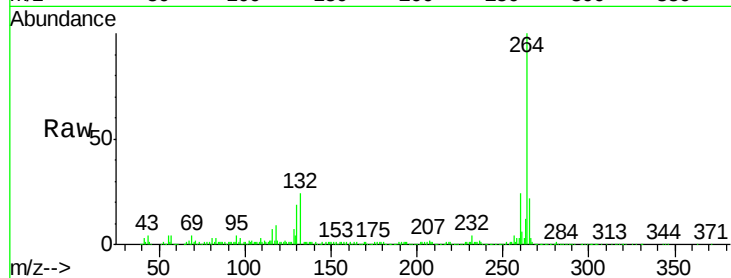




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 2292
Delta R.T. -0.01 min
Lab File: BF098831.D
Acq: 26 Sep 2017 14:44

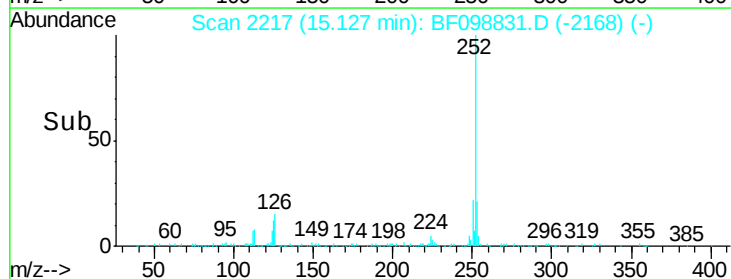
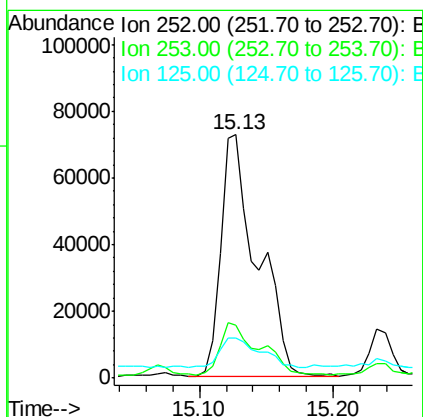
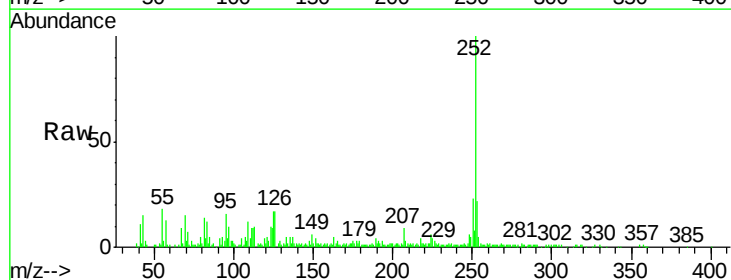
Instrument :
BNA_F
ClientSampleId :

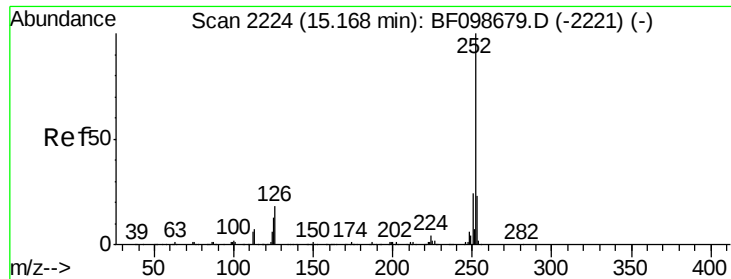
Tot Ion:264 Resp: 308506
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 22.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 7.24 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF098831.D
Acq: 26 Sep 2017 14:44

Tgt Ion:252 Resp: 137378
Ion Ratio Lower Upper
252 100
253 21.6 17.0 25.6
125 16.6 9.0 13.6#

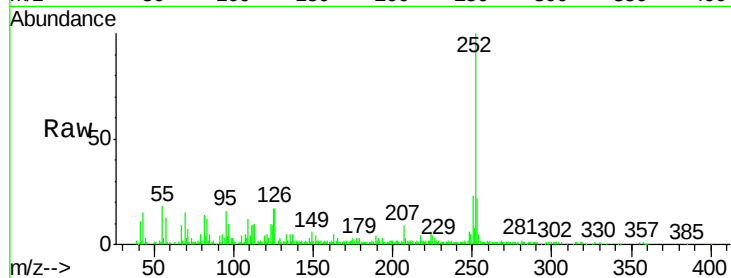




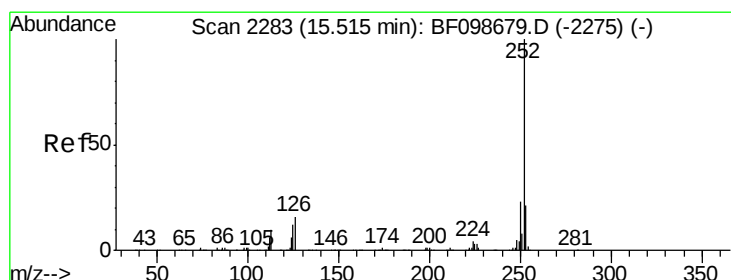
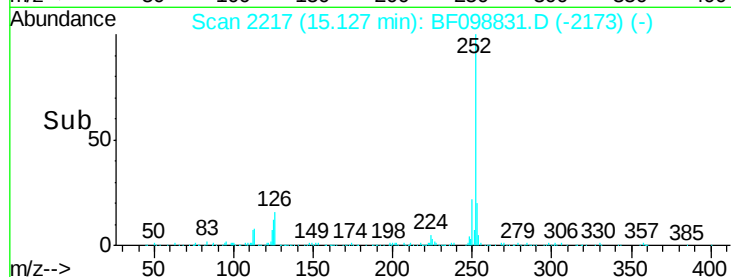
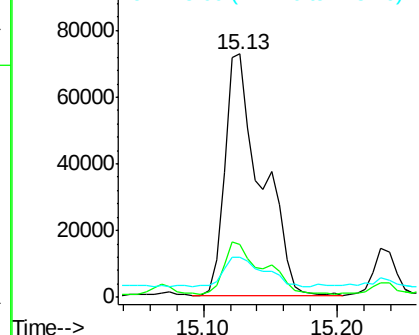
#88
Benzo(k)fluoranthene
Concen: 7.33 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.04 min
Lab File: BF098831.D
Acq: 26 Sep 2017 14:44

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.9	26.9
125	16.6	10.2	15.2

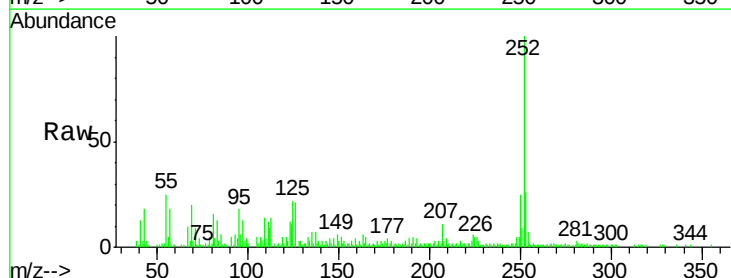


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

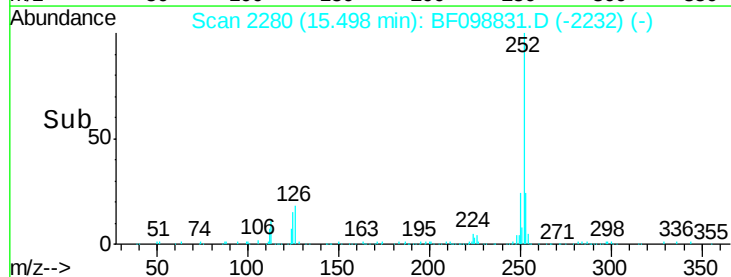
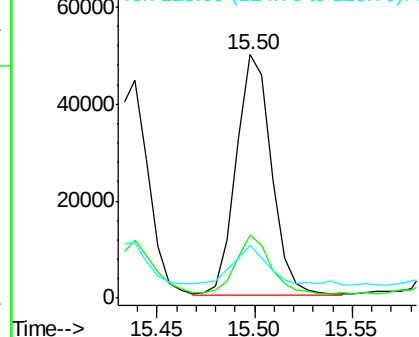


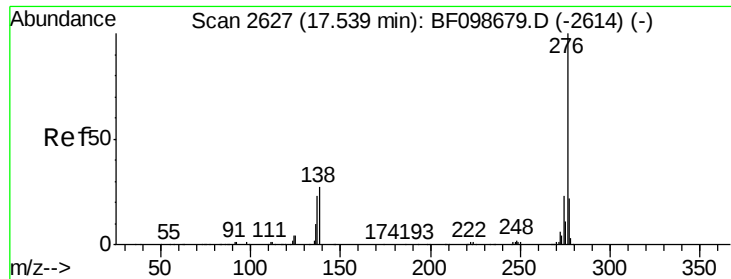
#89
Benzo(a)pyrene
Concen: 3.56 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF098831.D
Acq: 26 Sep 2017 14:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.1	25.7
125	21.6	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: 2.97 ng
 RT: 17.53 min Scan# 2625
 Delta R.T. -0.02 min
 Lab File: BF098831.D
 Acq: 26 Sep 2017 14:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.7	17.9	26.9
138	27.9	21.8	32.8

