

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090717\
 Data File : BF098323.D
 Acq On : 7 Sep 2017 19:41
 Operator : SJ/JU
 Sample : I5052-12RE 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G27A-1.5-3

Quant Time: Sep 08 01:52:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 17:28:20 2017
 Response via : Initial Calibration

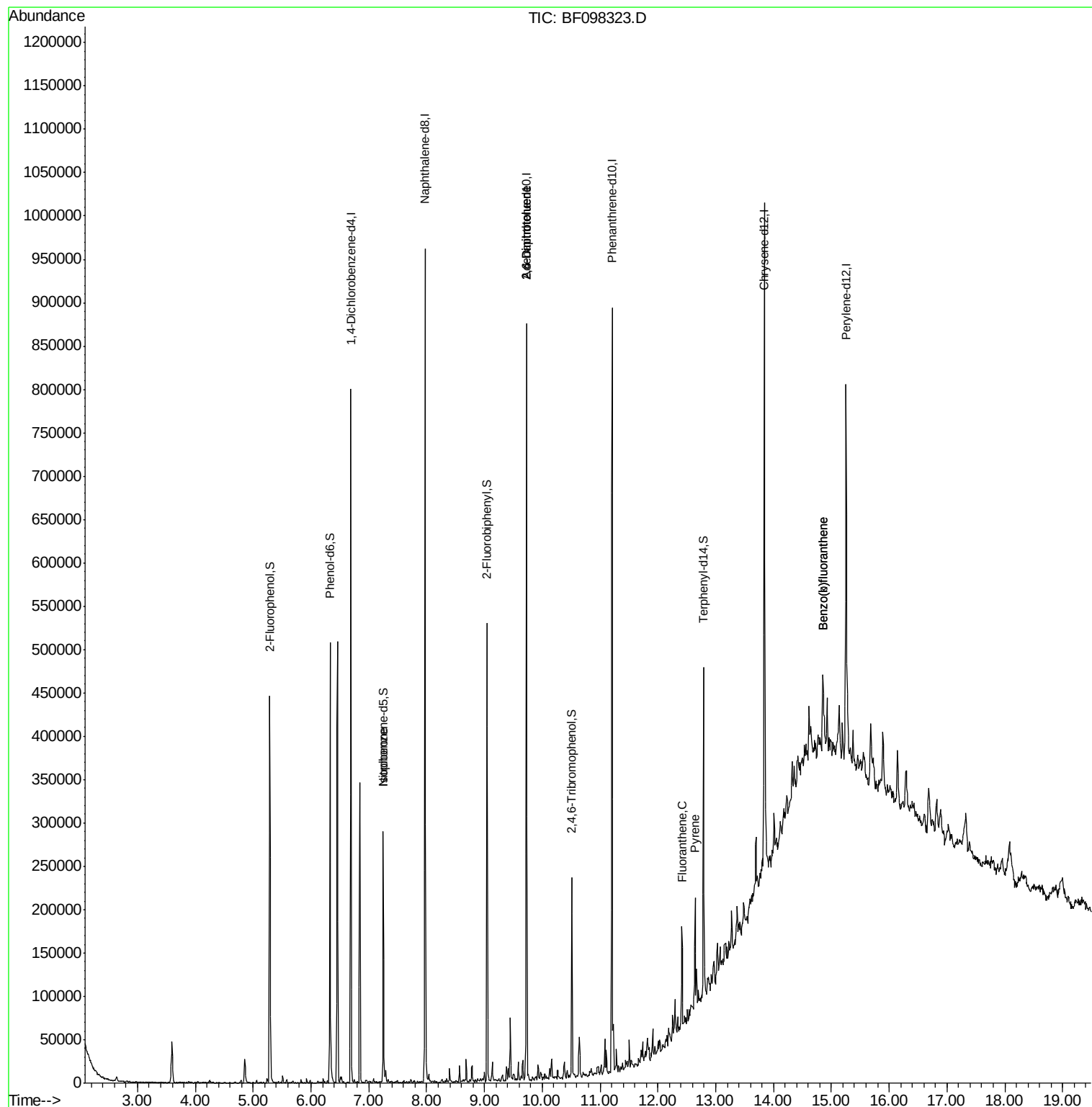
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	107950	20.00	ng	-0.02
21) Naphthalene-d8	7.97	136	404801	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	165965	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	290408	20.00	ng	-0.01
75) Chrysene-d12	13.84	240	254387	20.00	ng	-0.02
86) Perylene-d12	15.26	264	186963	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	124600	17.56	ng	-0.02
7) Phenol-d6	6.33	99	167237	17.34	ng	-0.02
23) Nitrobenzene-d5	7.25	82	93827	12.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	22167	15.39	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	146578	12.98	ng	-0.02
78) Terphenyl-d14	12.79	244	106714	8.75	ng	-0.02
Target Compounds						
25) Isophorone	7.25	82	91089	5.879	ng	# 67
50) 2,6-Dinitrotoluene	9.73	165	20884	8.624	ng	# 33
56) 2,4-Dinitrotoluene	9.73	165	20884	6.872	ng	# 33
74) Fluoranthene	12.42	202	42223	2.614	ng	96
77) Pyrene	12.64	202	42729	2.054	ng	98
87) Benzo(b)fluoranthene	14.86	252	51188	4.344	ng	# 85
88) Benzo(k)fluoranthene	14.86	252	51188	4.623	ng	# 89

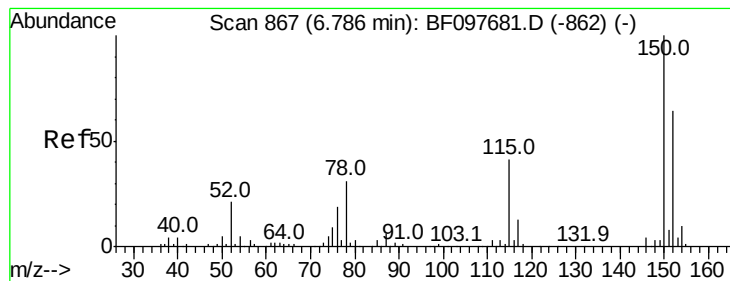
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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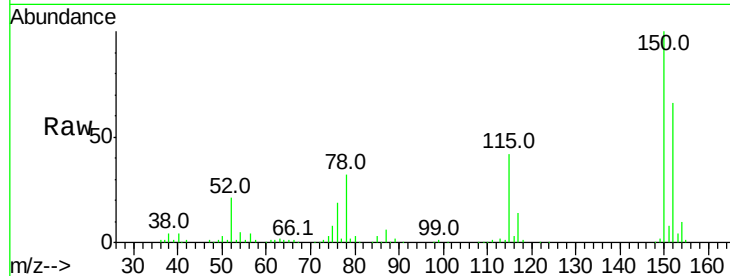


#1

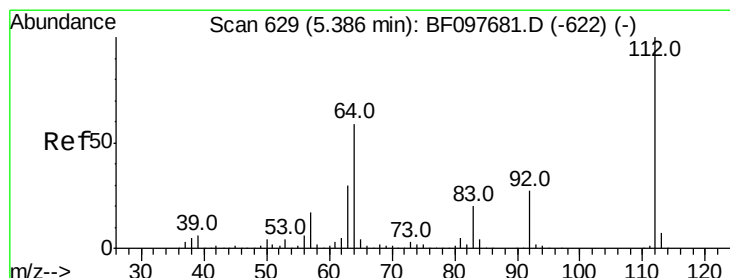
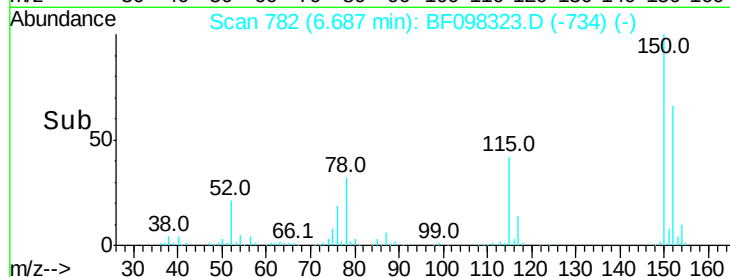
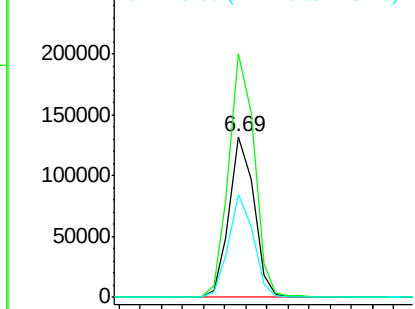
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 782
 Delta R.T. -0.02 min
 Lab File: BF098323.D
 Acq: 7 Sep 2017 19:41

Instrument :
 BNA_F
 ClientSampleId :
 G27A-1.5-3

Tot Ion:152 Resp: 107950
 Ion Ratio Lower Upper
 152 100
 150 151.2 126.2 189.2
 115 64.1 52.2 78.2



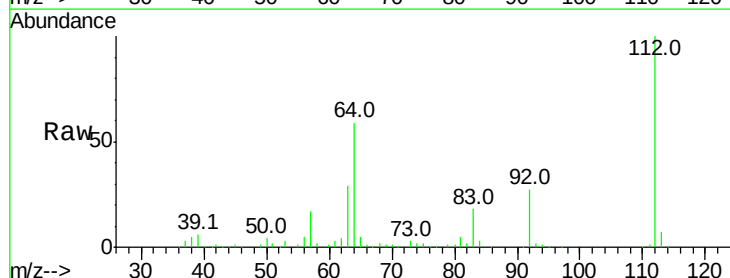
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



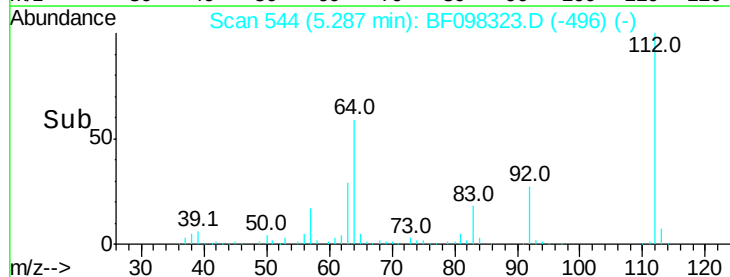
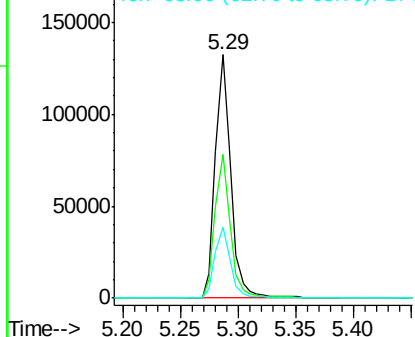
#5

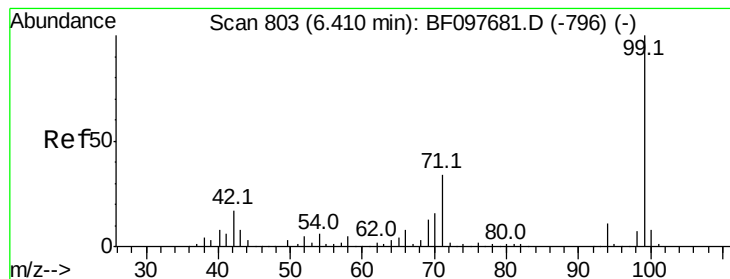
2-Fluorophenol
 Concen: 17.557 ng
 RT: 5.29 min Scan# 544
 Delta R.T. -0.02 min
 Lab File: BF098323.D
 Acq: 7 Sep 2017 19:41

Tgt Ion:112 Resp: 124600
 Ion Ratio Lower Upper
 112 100
 64 59.0 46.0 69.0
 63 28.9 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 17.343 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF098323.D

Acq: 7 Sep 2017 19:41

Instrument :

BNA_F

ClientSampled :

G27A-1.5-3

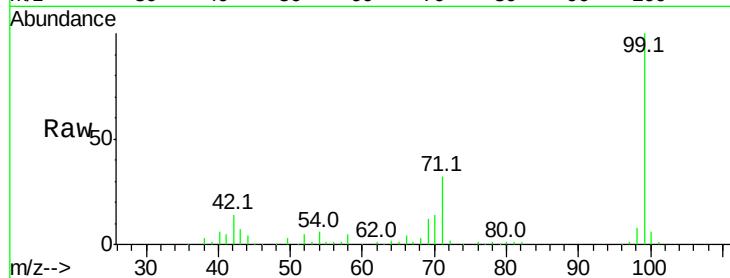
Tot Ion: 99 Resp: 167237

Ion Ratio Lower Upper

99 100

42 14.4 13.5 20.3

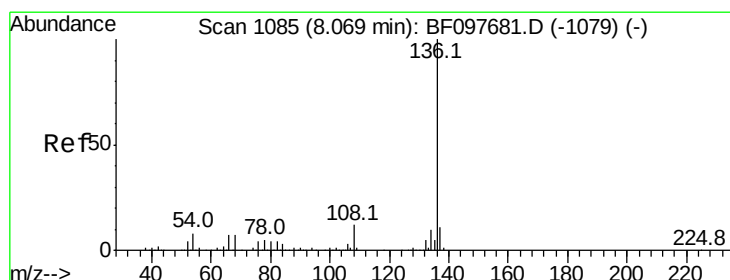
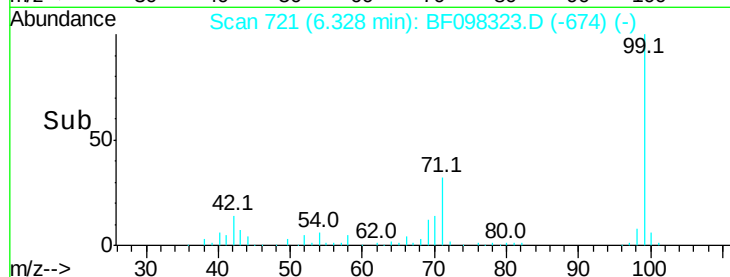
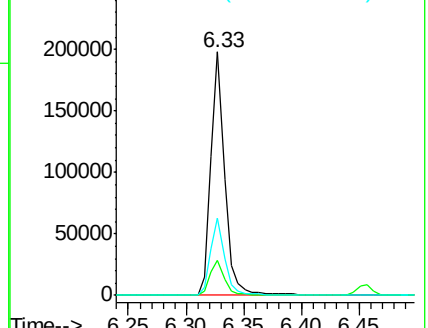
71 31.7 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF098323.D

Acq: 7 Sep 2017 19:41

Tgt Ion: 136 Resp: 404801

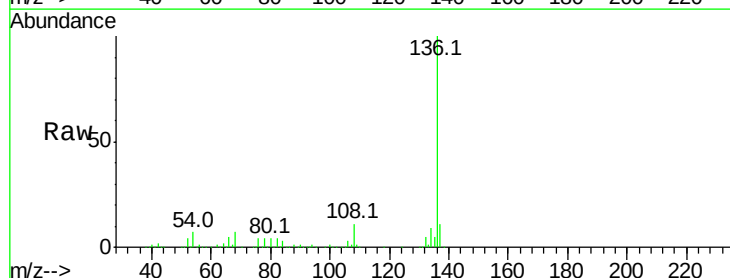
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 7.2 4.9 7.3

68 7.5 4.1 6.1#

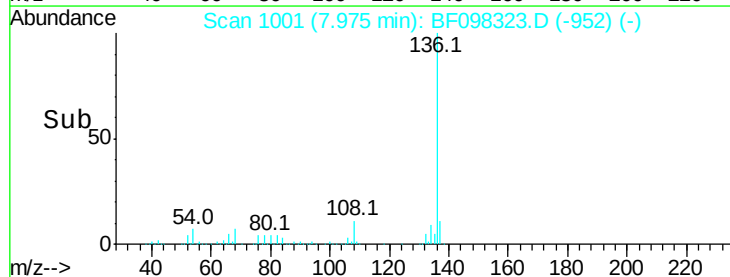
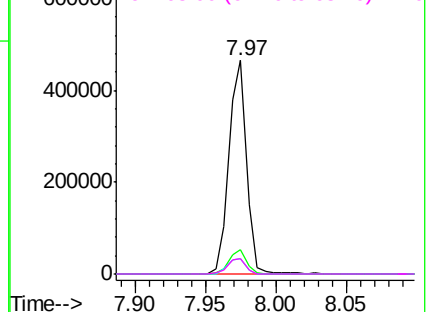


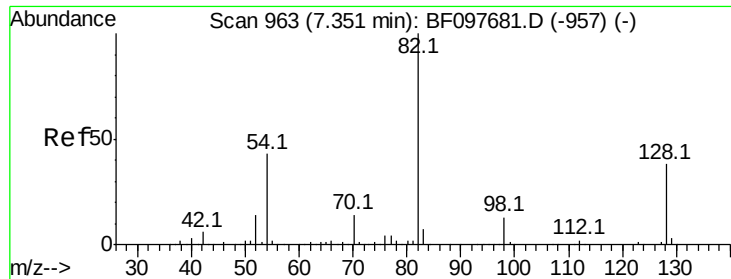
Abundance Ion 136.00 (135.70 to 136.70): E

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

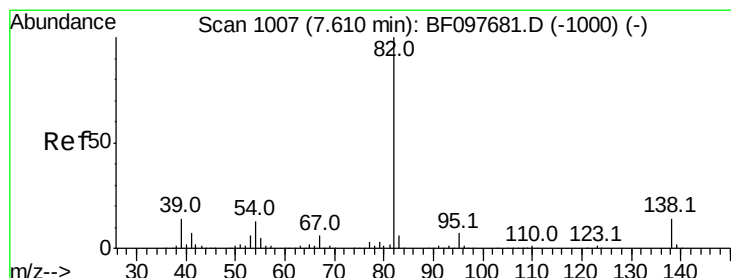
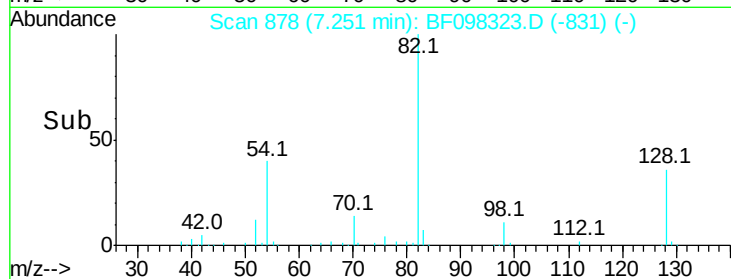
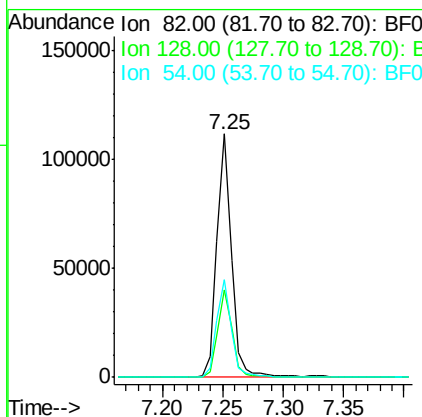
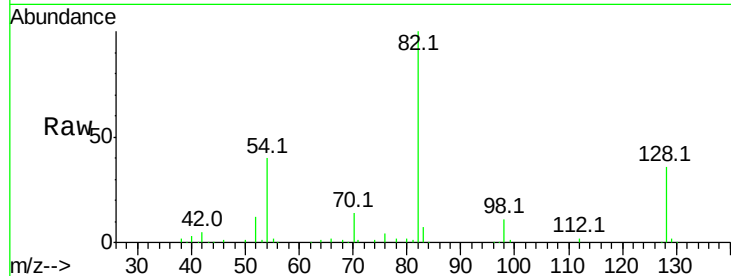




#23
 Nitrobenzene-d5
 Concen: 12.592 ng
 RT: 7.25 min Scan# 878
 Delta R.T. -0.02 min
 Lab File: BF098323.D
 Acq: 7 Sep 2017 19:41

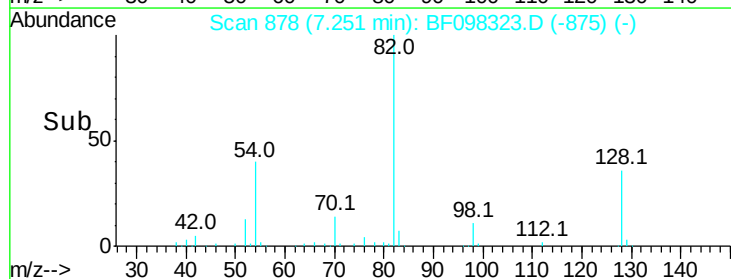
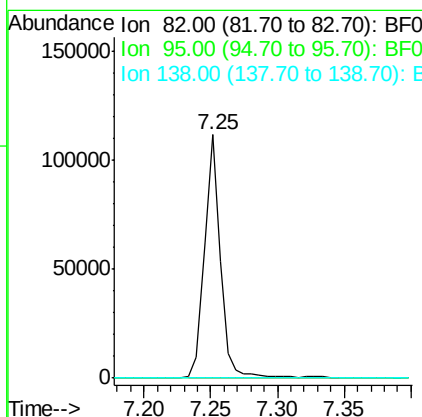
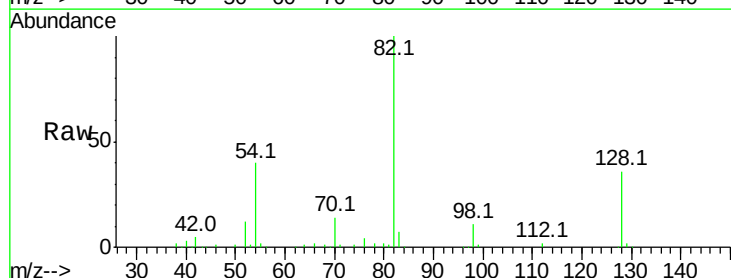
Instrument :
 BNA_F
 ClientSampleId :
 G27A-1.5-3

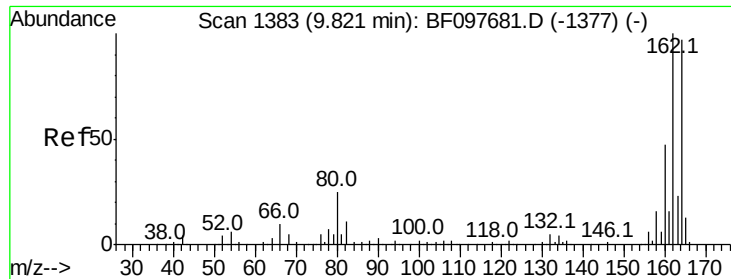
Tot Ion	82	Resp	93827
Ion Ratio	Lower	Upper	
82	100		
128	36.0	34.0	51.0
54	40.0	42.2	63.2#



#25
 Isophorone
 Concen: 5.879 ng
 RT: 7.25 min Scan# 878
 Delta R.T. -0.28 min
 Lab File: BF098323.D
 Acq: 7 Sep 2017 19:41

Tgt Ion	82	Resp	91089
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

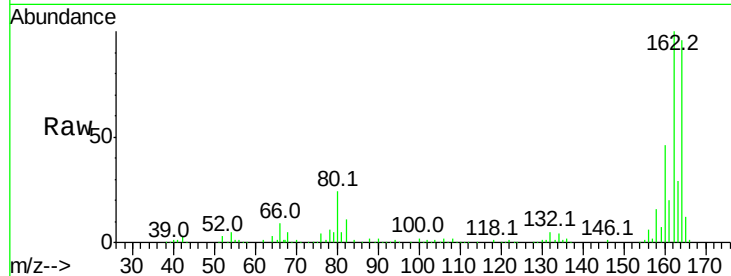




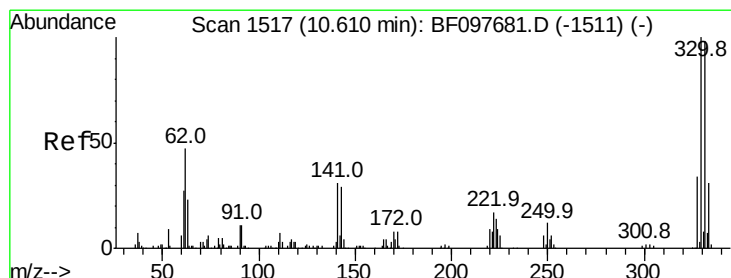
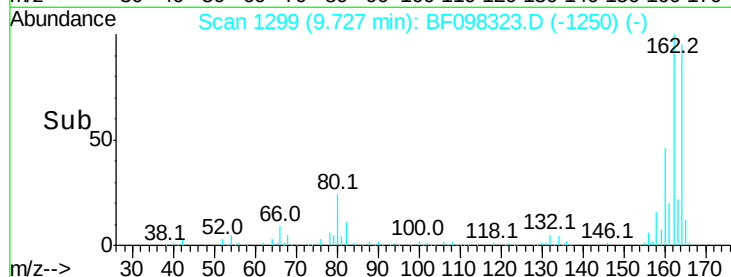
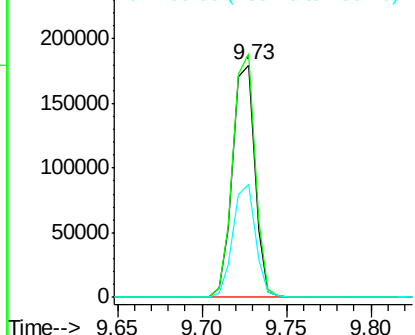
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF098323.D
 Acq: 7 Sep 2017 19:41

Instrument :
 BNA_F
 ClientSampleId :
 G27A-1.5-3

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.7	82.6	123.8
160	48.4	36.2	54.2

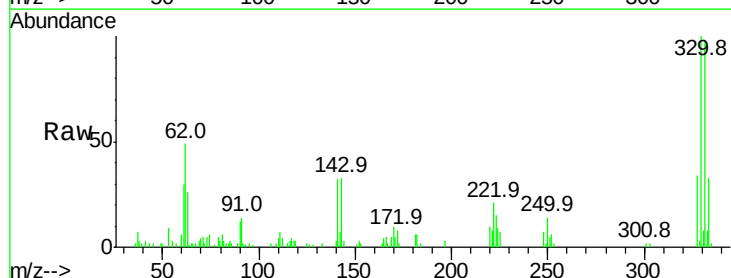


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

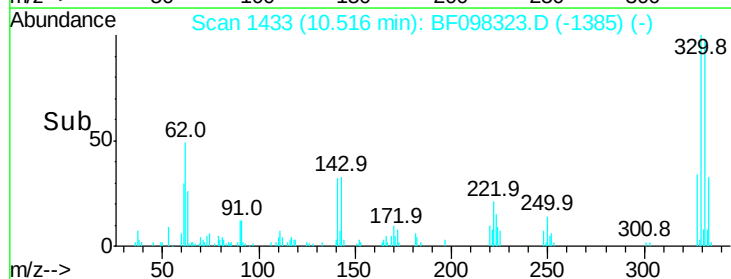
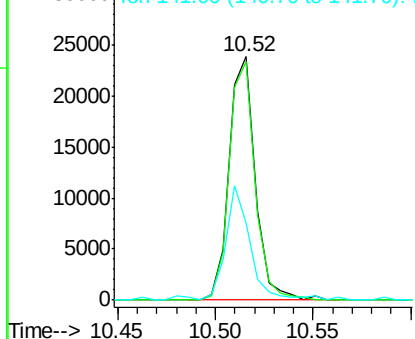


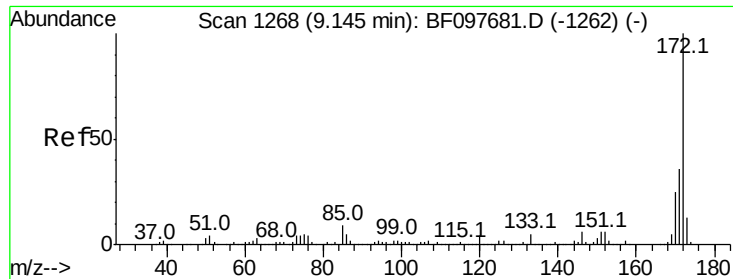
#41
 2,4,6-Tribromophenol
 Concen: 15.394 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF098323.D
 Acq: 7 Sep 2017 19:41

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.6	115.0
141	45.4	31.4	47.2



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

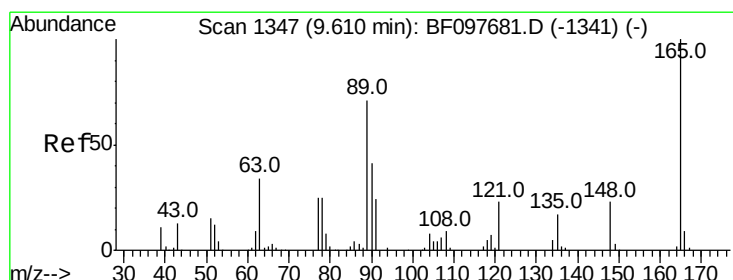
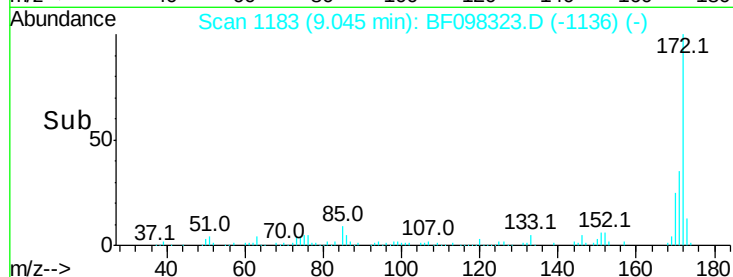
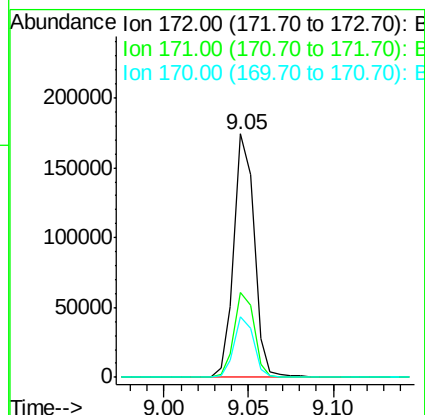
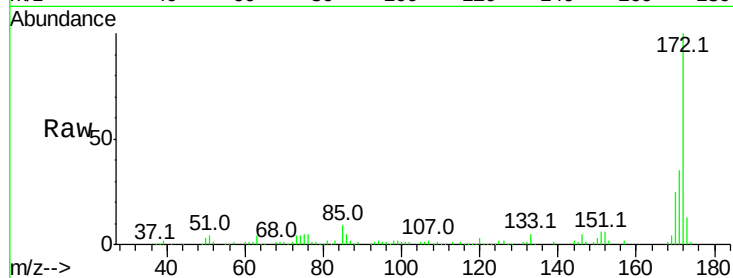




#44
 2-Fluorobiphenyl
 Concen: 12.976 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF098323.D
 Acq: 7 Sep 2017 19:41

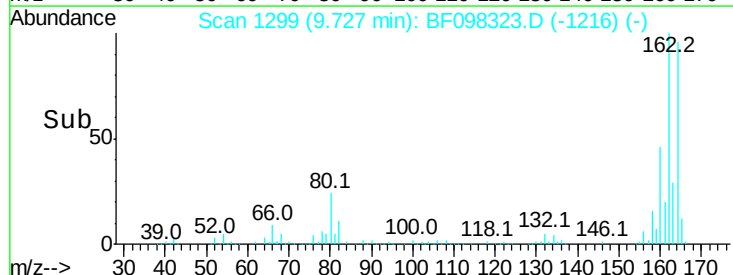
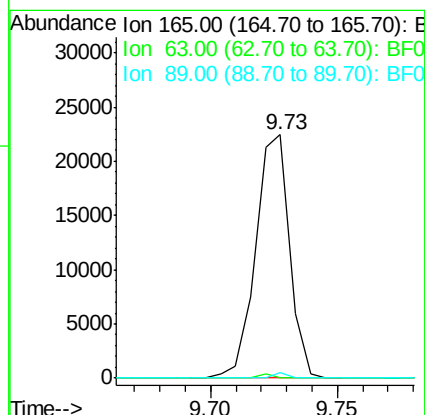
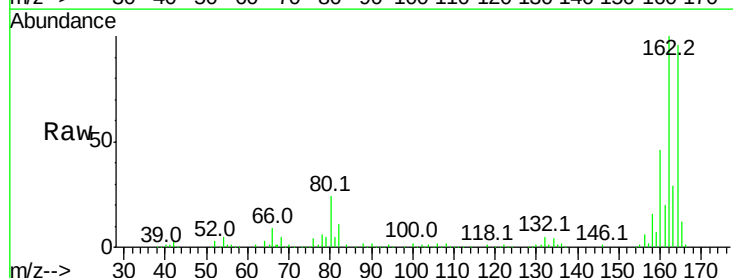
Instrument :
 BNA_F
 ClientSampleId :
 G27A-1.5-3

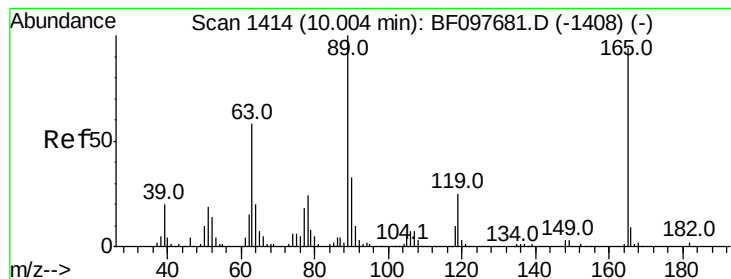
Tot Ion:172 Resp: 146578
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.6 44.4
 170 24.8 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 8.624 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. 0.19 min
 Lab File: BF098323.D
 Acq: 7 Sep 2017 19:41

Tgt Ion:165 Resp: 20884
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 2.4 37.1 55.7#





#56

2,4-Dinitrotoluene

Concen: 6.872 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.21 min

Lab File: BF098323.D

Acq: 7 Sep 2017 19:41

Instrument :

BNA_F

ClientSampleId :

G27A-1.5-3

Tot Ion:165 Resp: 20884

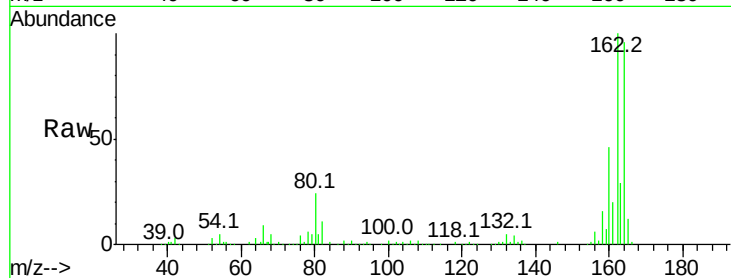
Ion Ratio Lower Upper

165 100

63 0.0 25.4 38.0#

89 2.4 46.4 69.6#

182 0.0 1.8 2.6#

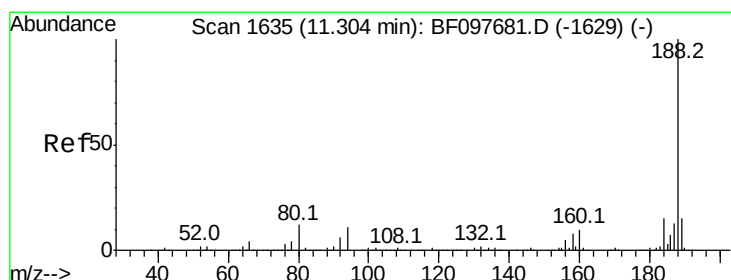
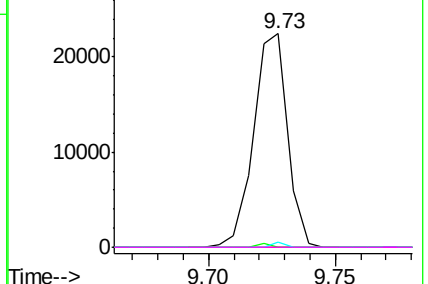
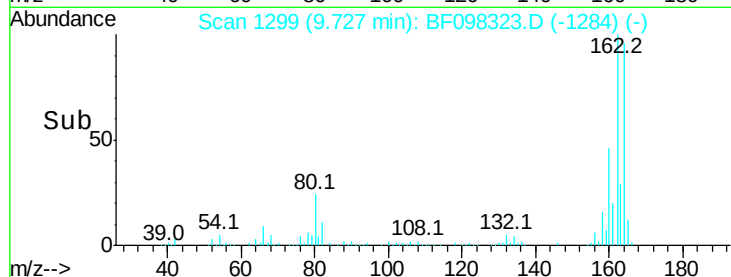


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.21 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF098323.D

Acq: 7 Sep 2017 19:41

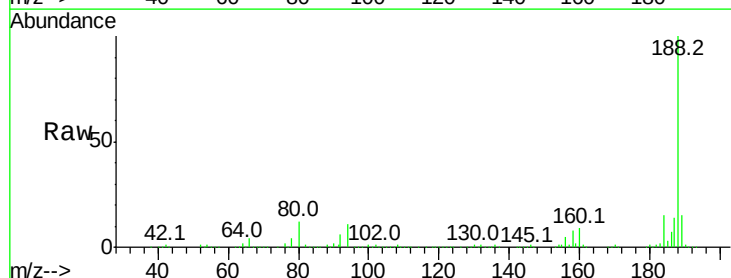
Tgt Ion:188 Resp: 290408

Ion Ratio Lower Upper

188 100

94 11.3 9.4 14.2

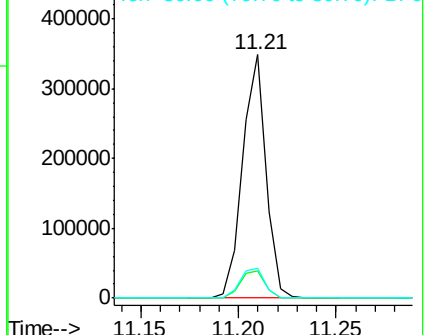
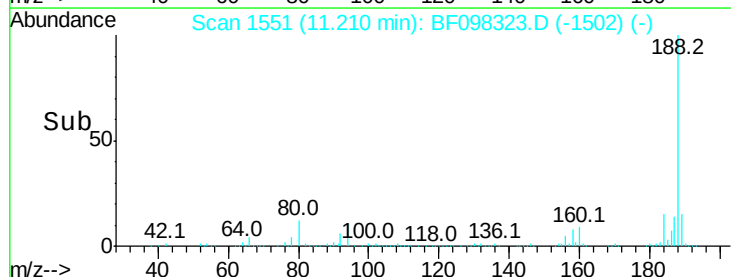
80 12.3 10.2 15.2

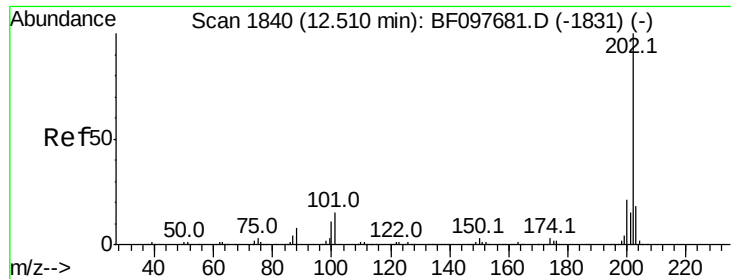


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 2.614 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.02 min

Lab File: BF098323.D

Acq: 7 Sep 2017 19:41

Instrument :

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ClientSampleId :

G27A-1.5-3

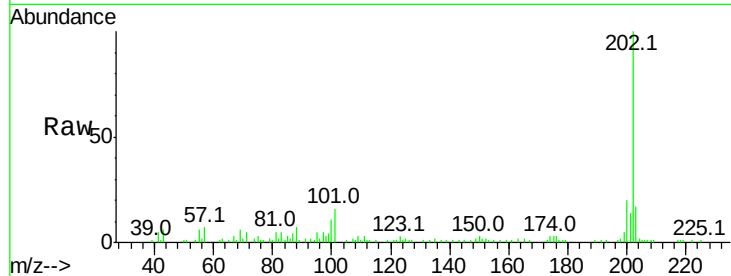
Tot Ion:202 Resp: 42223

Ion Ratio Lower Upper

202 100

101 15.6 0.0 33.2

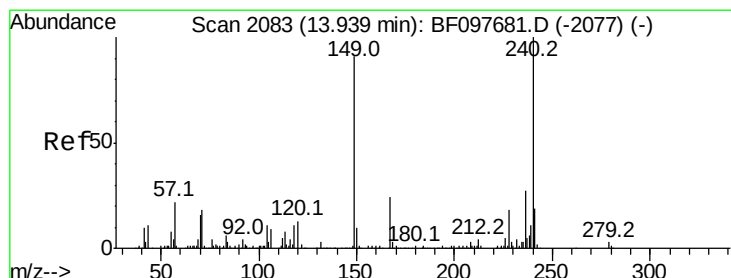
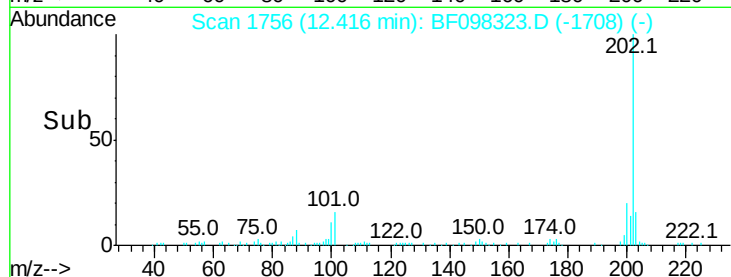
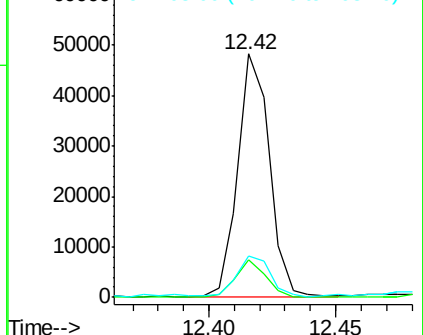
203 16.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BF098323.D

Acq: 7 Sep 2017 19:41

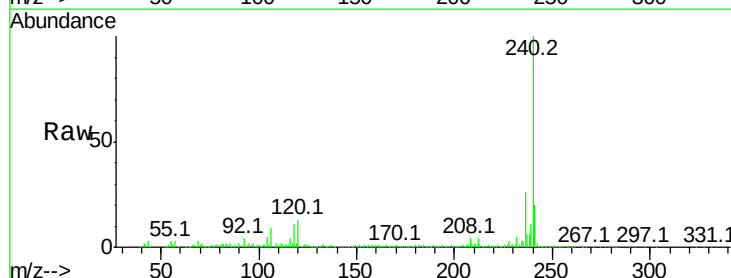
Tgt Ion:240 Resp: 254387

Ion Ratio Lower Upper

240 100

120 13.2 5.8 8.8#

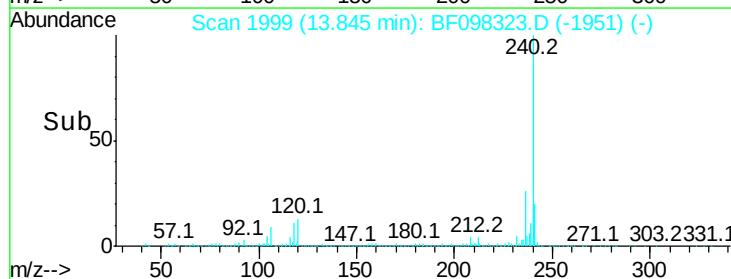
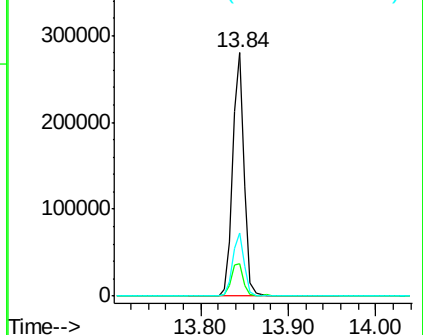
236 26.1 20.5 30.7

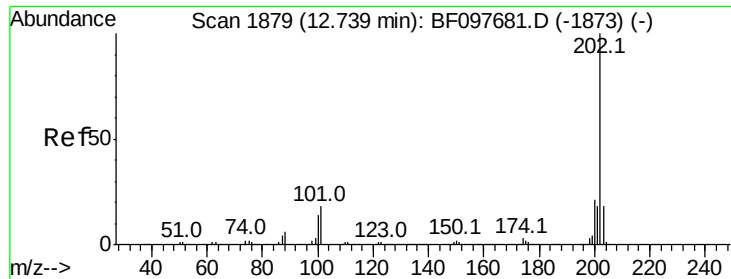


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

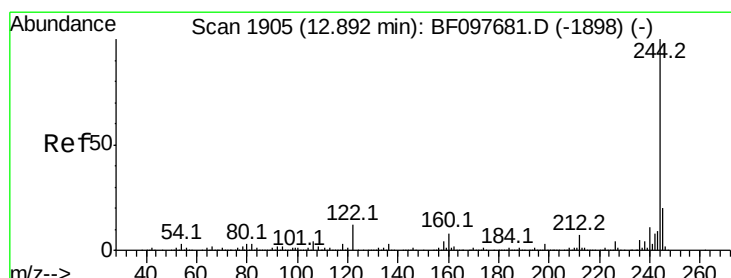
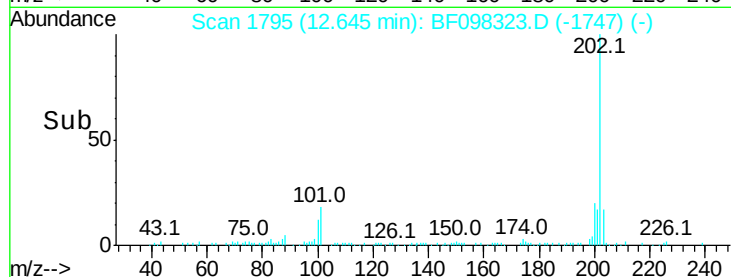
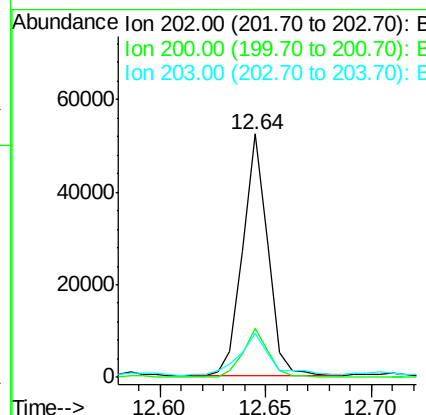
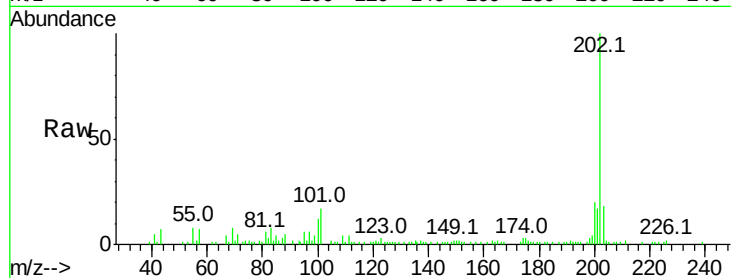




#77
Pvrene
Concen: 2.054 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.02 min
Lab File: BF098323.D
Acq: 7 Sep 2017 19:41

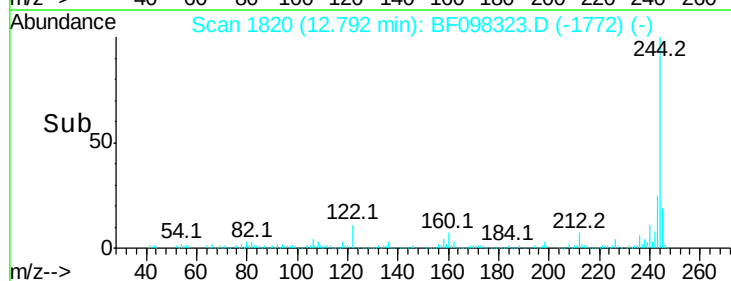
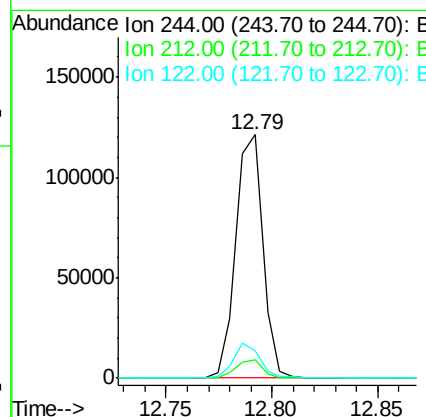
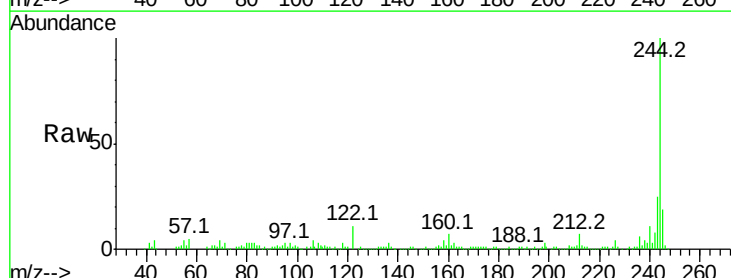
Instrument :
BNA_F
ClientSampleId :
G27A-1.5-3

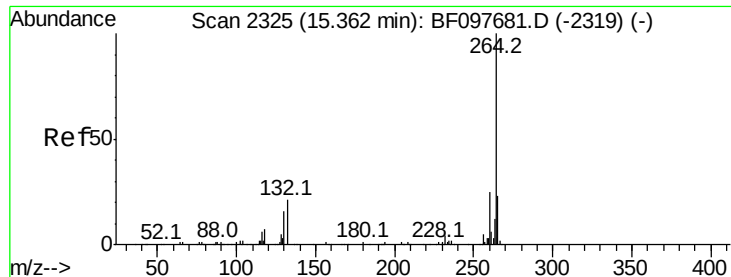
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.6	26.4
203	18.1	14.4	21.6



#78
Terphenyl-d14
Concen: 8.748 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.02 min
Lab File: BF098323.D
Acq: 7 Sep 2017 19:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	11.1	10.3	15.5



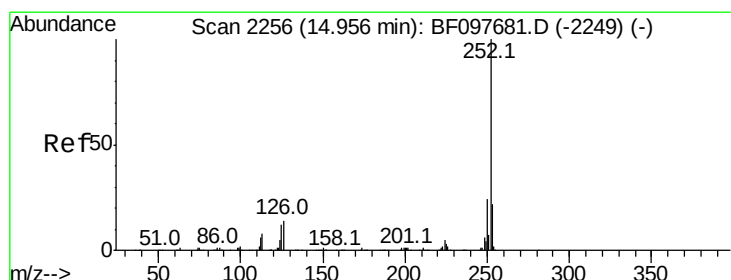
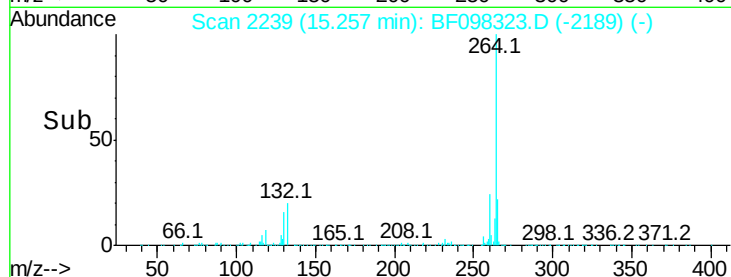
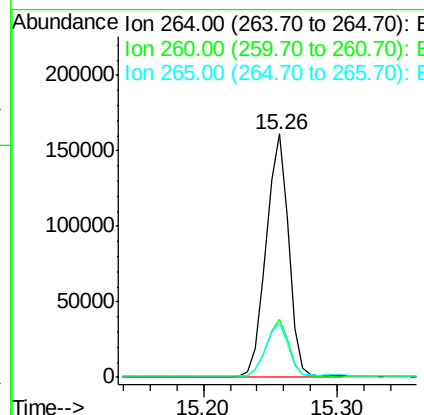
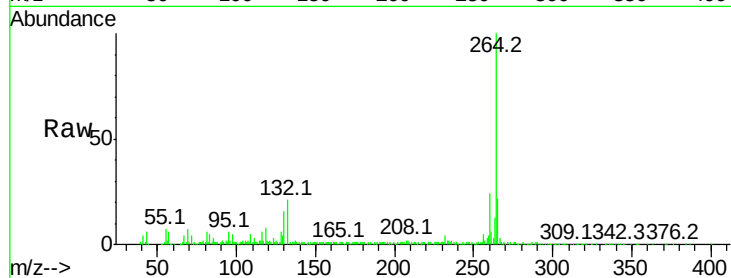


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF098323.D
Acq: 7 Sep 2017 19:41

Instrument :
BNA_F
ClientSampleId :
G27A-1.5-3

Tot Ion:264 Resp: 186963

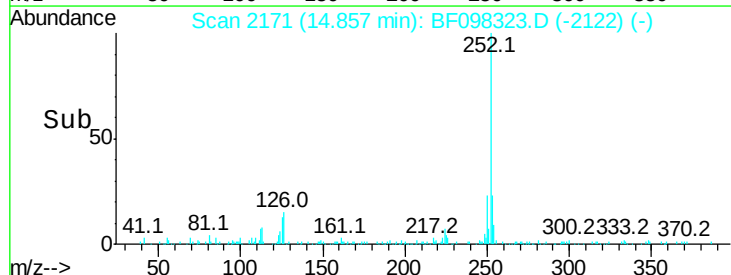
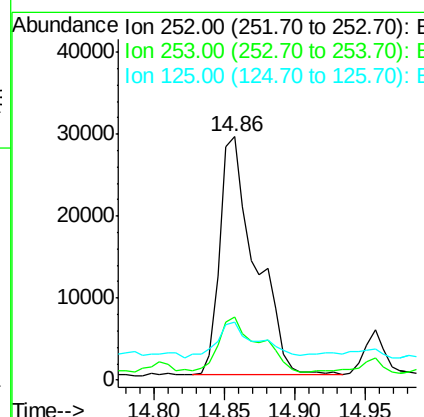
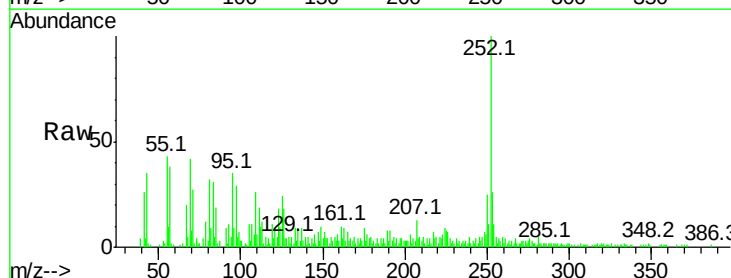
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	22.2	17.2	25.8

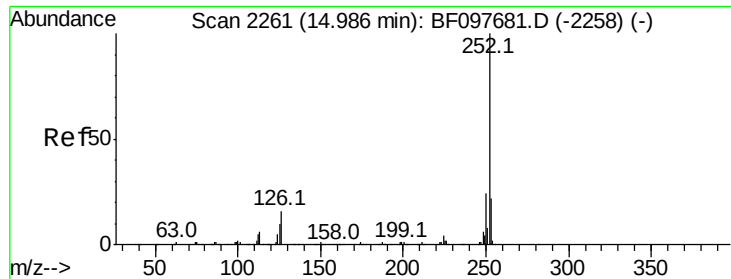


#87
Benzo(b)fluoranthene
Concen: 4.344 ng
RT: 14.86 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BF098323.D
Acq: 7 Sep 2017 19:41

Tgt Ion:252 Resp: 51188

Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.1	27.1
125	23.6	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 4.623 ng

RT: 14.86 min Scan# 2171

Delta R.T. -0.04 min

Lab File: BF098323.D

Acq: 7 Sep 2017 19:41

Instrument :

BNA_F

ClientSampleId :

G27A-1.5-3

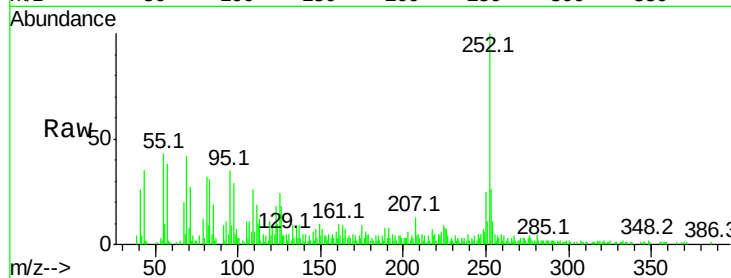
Tot Ion:252 Resp: 51188

Ion Ratio Lower Upper

252 100

253 26.0 18.4 27.6

125 23.6 13.1 19.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

