

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
 Data File : BF097627.D
 Acq On : 12 Aug 2017 8:46
 Operator : SJ/JU
 Sample : I4736-12 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-35-COMP

Quant Time: Aug 14 01:01:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 15:55:57 2017
 Response via : Initial Calibration

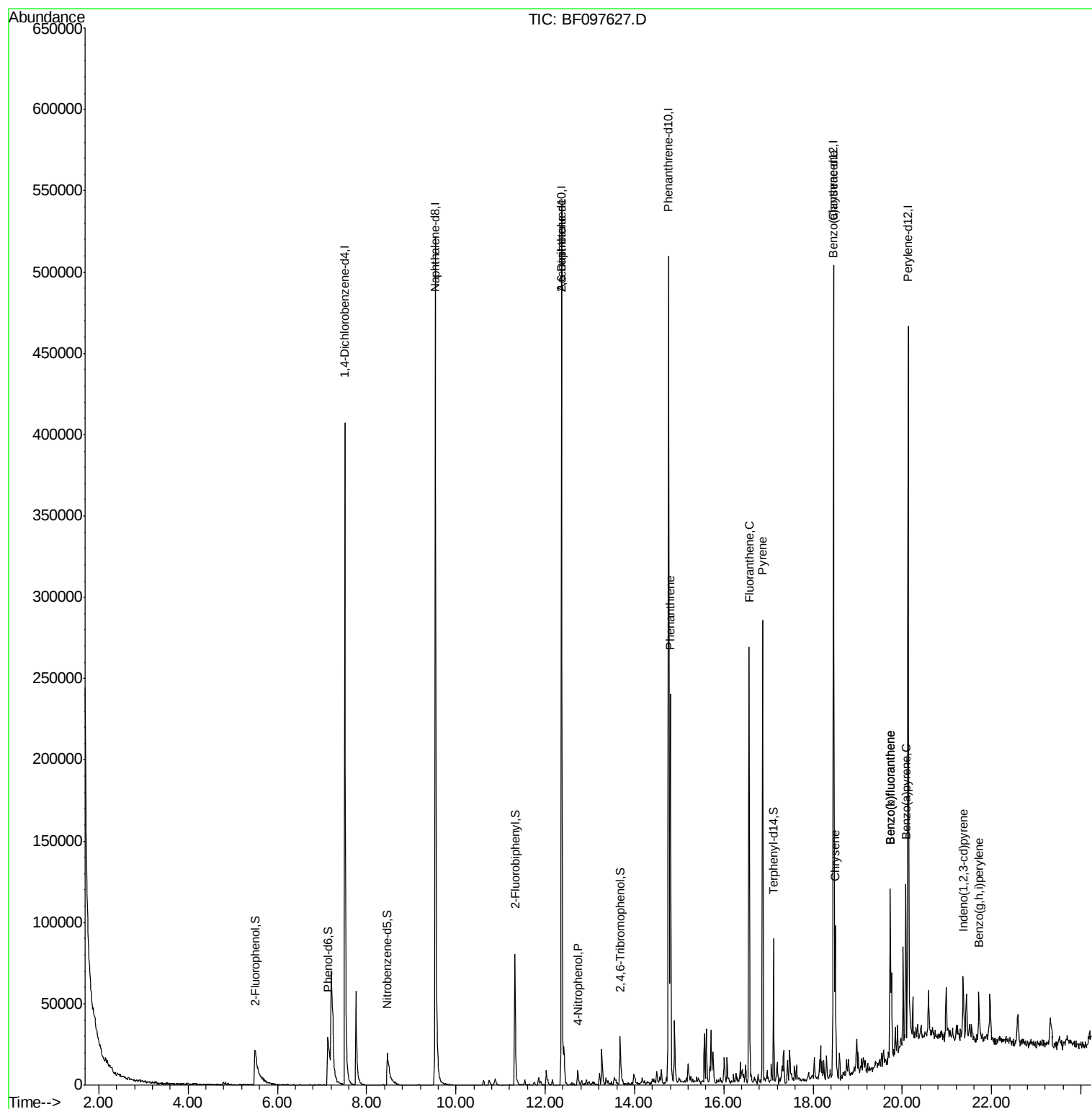
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	97500	20.00	ng	0.00
21) Naphthalene-d8	9.54	136	368749	20.00	ng	0.00
38) Acenaphthene-d10	12.36	164	152680	20.00	ng	0.00
63) Phenanthrene-d10	14.76	188	246988	20.00	ng	0.00
75) Chrysene-d12	18.46	240	188789	20.00	ng	0.00
86) Perylene-d12	20.13	264	180521	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	30159	4.92	ng	0.10
7) Phenol-d6	7.13	99	49052	6.45	ng	0.07
23) Nitrobenzene-d5	8.46	82	27002	4.59	ng	0.04
41) 2,4,6-Tribromophenol	13.67	330	6536	5.63	ng	0.01
44) 2-Fluorobiphenyl	11.32	172	46546	4.60	ng	0.00
78) Terphenyl-d14	17.12	244	30385	3.33	ng	0.00
Target Compounds						
50) 2,6-Dinitrotoluene	12.36	165	19356	7.97	ng	# 33
55) 4-Nitrophenol	12.73	139	2982	2.46	ng	# 25
70) Phenanthrene	14.80	178	143934	10.12	ng	98
74) Fluoranthene	16.57	202	147309	11.46	ng	99
77) Pyrene	16.87	202	126637	8.11	ng	99
80) Benzo(a)anthracene	18.45	228	49549	4.49	ng	98
82) Chrysene	18.50	228	51473	4.69	ng	99
85) Indeno(1,2,3-cd)pyrene	21.36	276	21273	2.49	ng	99
87) Benzo(b)fluoranthene	19.73	252	58283	5.38	ng	# 97
88) Benzo(k)fluoranthene	19.73	252	58283	5.34	ng	99
89) Benzo(a)pyrene	20.08	252	43616	4.38	ng	97
91) Benzo(a,h,i)perylene	21.72	276	18648	2.39	ng	100

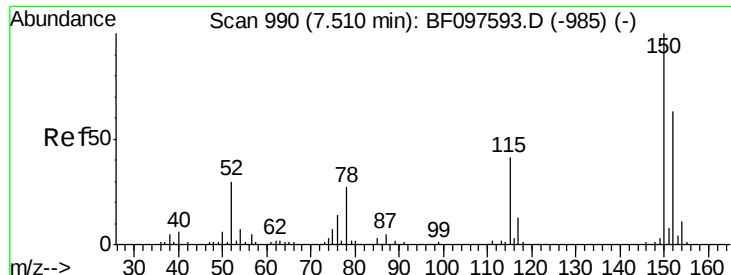
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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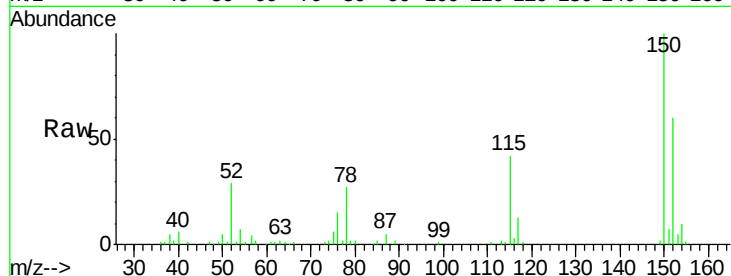


#1

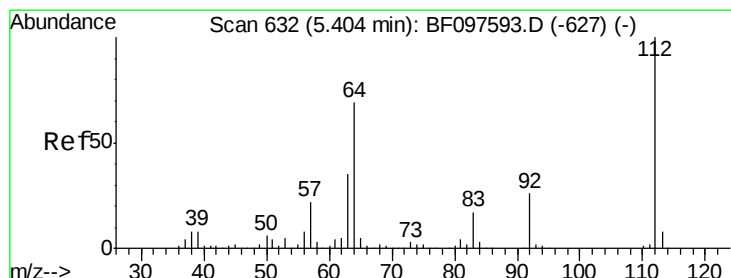
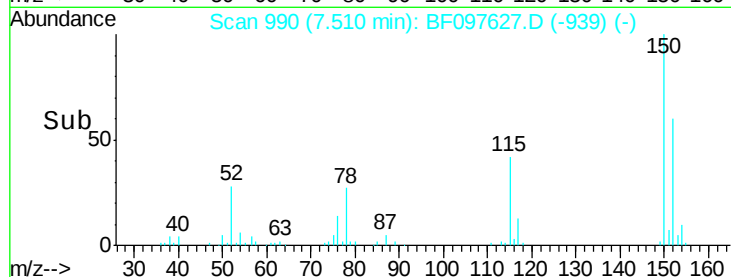
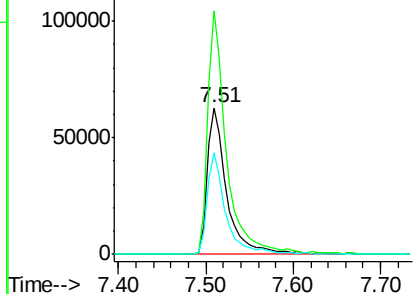
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.51 min Scan# 990
Delta R.T. -0.00 min
Lab File: BF097627.D
Acq: 12 Aug 2017 8:46

Instrument :
BNA_F
ClientSampleId :
SB-35-COMP

Tot Ion:152 Resp: 97500
Ion Ratio Lower Upper
152 100
150 166.2 126.2 189.2
115 69.4 52.2 78.2



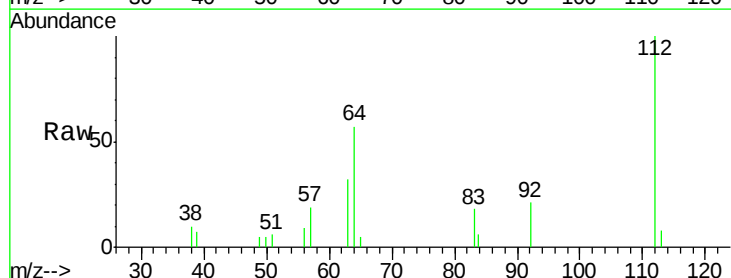
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



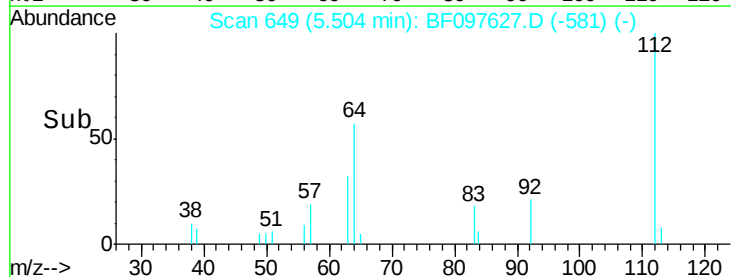
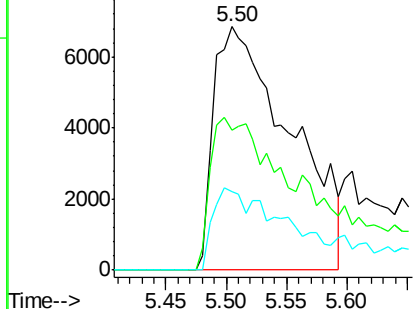
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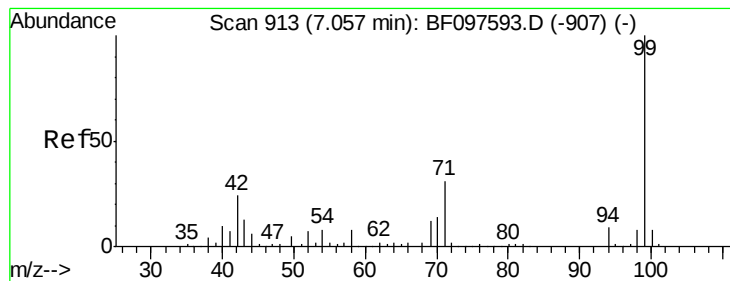
2-Fluorophenol
Concen: 4.92 ng
RT: 5.50 min Scan# 649
Delta R.T. 0.10 min
Lab File: BF097627.D
Acq: 12 Aug 2017 8:46

Tgt Ion:112 Resp: 30159
Ion Ratio Lower Upper
112 100
64 57.4 46.0 69.0
63 32.4 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: 6.45 ng

RT: 7.13 min Scan# 925

Delta R.T. 0.07 min

Lab File: BF097627.D

Acq: 12 Aug 2017 8:46

Instrument :

BNA_F

ClientSampleId :

SB-35-COMP

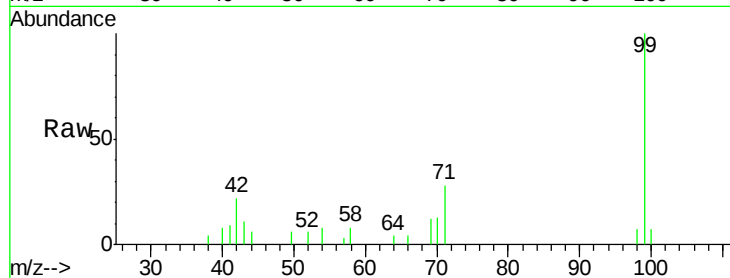
Tot Ion: 99 Resp: 49052

Ion Ratio Lower Upper

99 100

42 21.9 13.5 20.3#

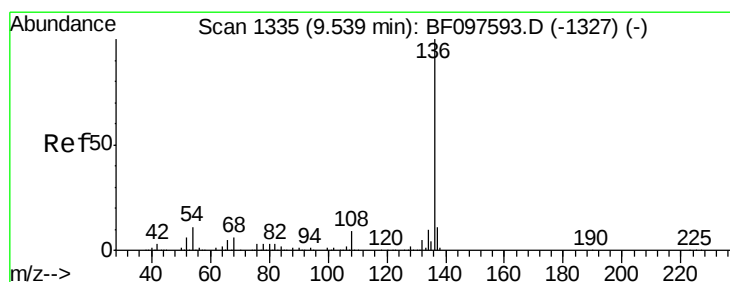
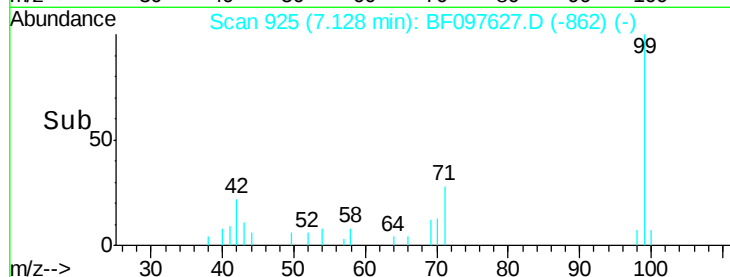
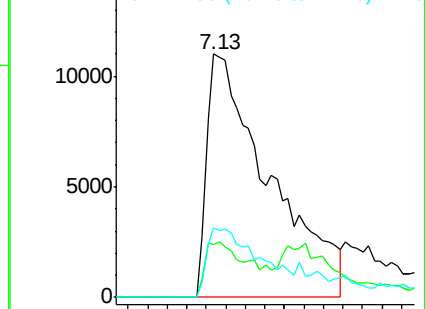
71 28.3 24.5 36.7



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: 20.00 ng

RT: 9.54 min Scan# 1335

Delta R.T. -0.00 min

Lab File: BF097627.D

Acq: 12 Aug 2017 8:46

Tgt Ion: 136 Resp: 368749

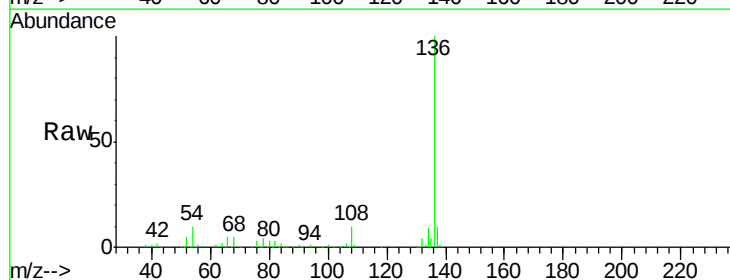
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 10.2 4.9 7.3#

68 5.3 4.1 6.1

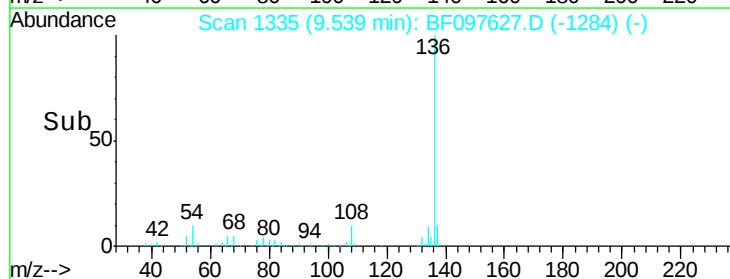
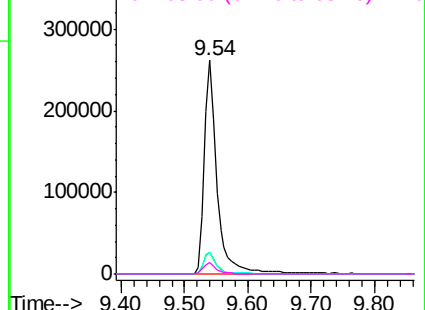


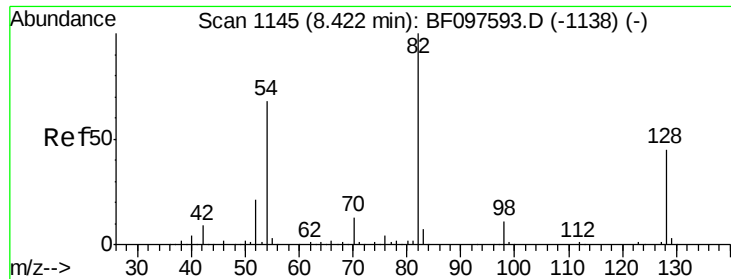
Abundance Ion 136.00 (135.70 to 136.70): E

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

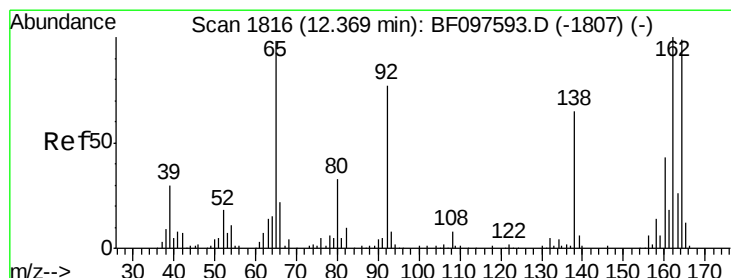
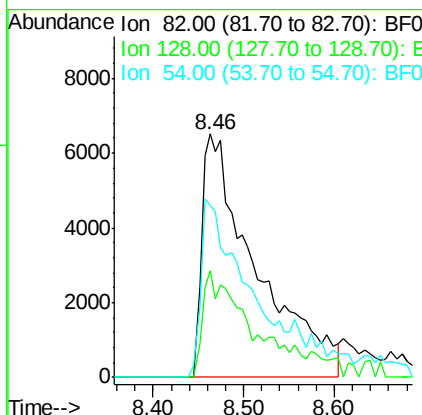
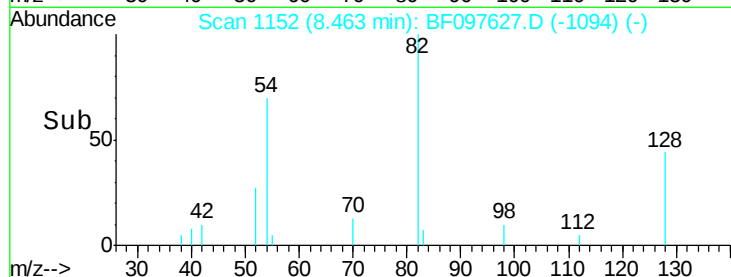
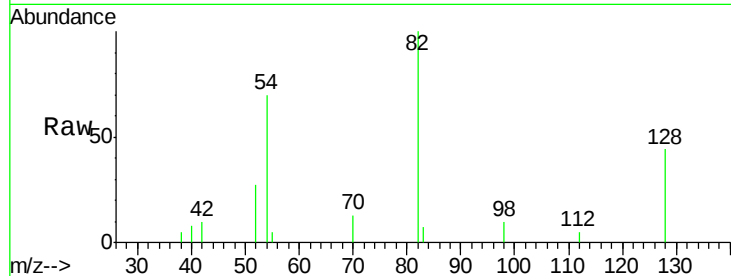




#23
 Nitrobenzene-d5
 Concen: 4.59 ng
 RT: 8.46 min Scan# 1152
 Delta R.T. 0.04 min
 Lab File: BF097627.D
 Acq: 12 Aug 2017 8:46

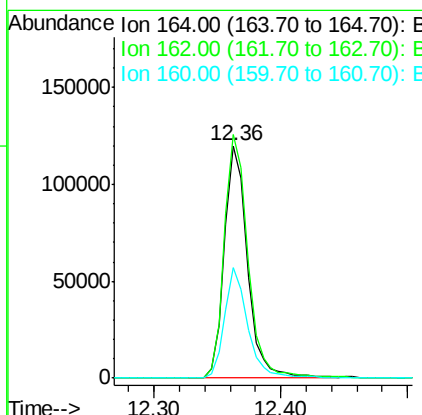
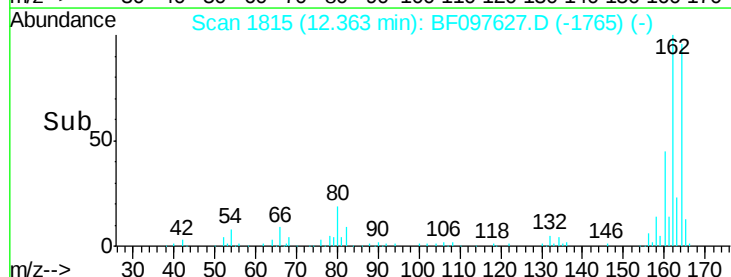
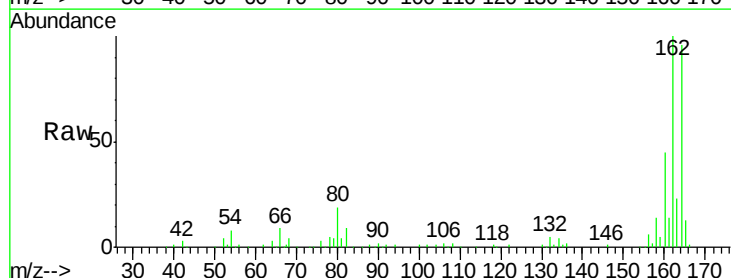
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 SB-35-COMP

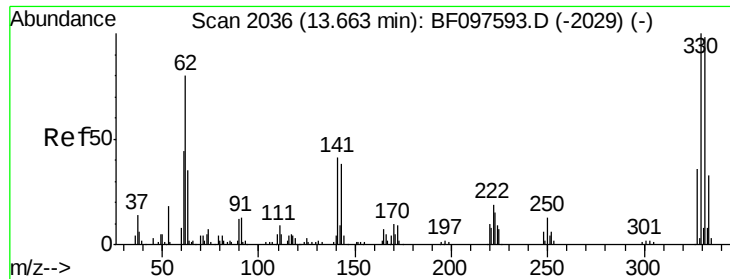
Tot Ion: 82 Resp: 27002
 Ion Ratio Lower Upper
 82 100
 128 43.9 34.0 51.0
 54 70.5 42.2 63.2#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.36 min Scan# 1815
 Delta R.T. -0.01 min
 Lab File: BF097627.D
 Acq: 12 Aug 2017 8:46

Tgt Ion:164 Resp: 152680
 Ion Ratio Lower Upper
 164 100
 162 104.6 82.6 123.8
 160 47.3 36.2 54.2

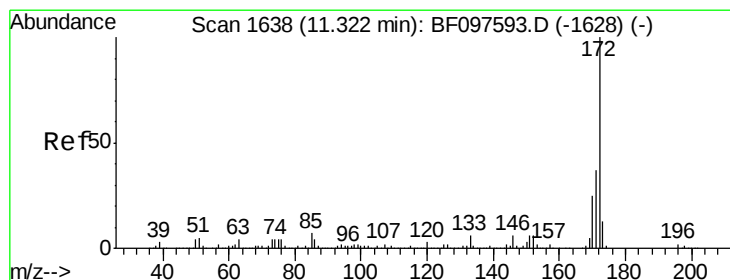
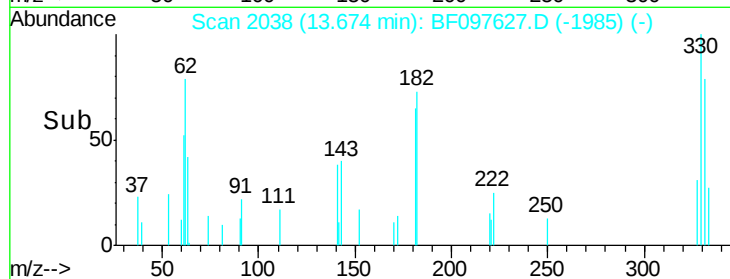
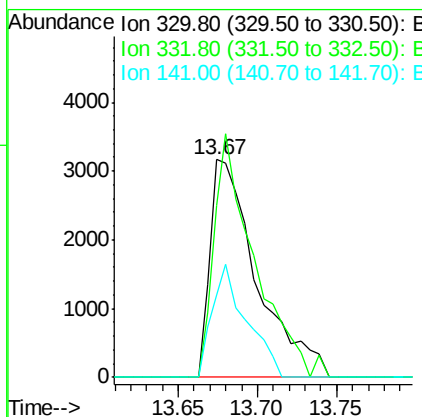
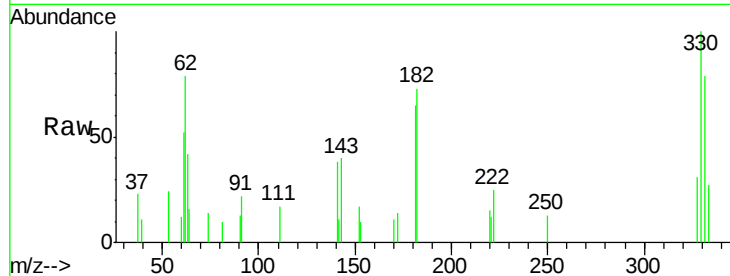




#41
 2,4,6-Tribromophenol
 Concen: 5.63 ng
 RT: 13.67 min Scan# 2038
 Delta R.T. 0.01 min
 Lab File: BF097627.D
 Acq: 12 Aug 2017 8:46

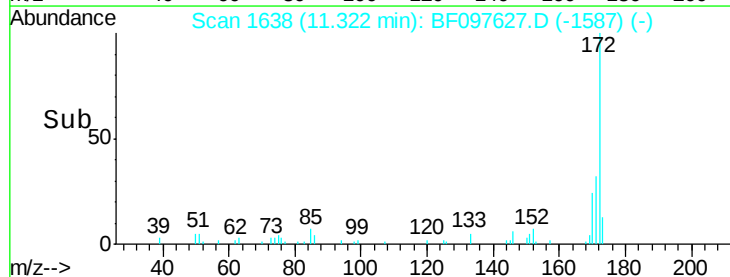
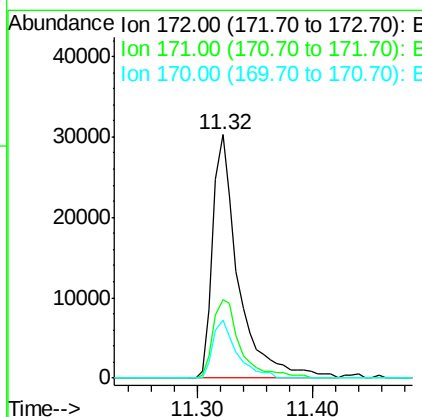
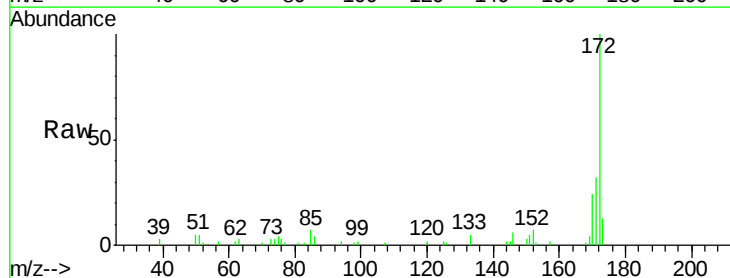
Instrument :
 BNA_F
 ClientSampleId :
 SB-35-COMP

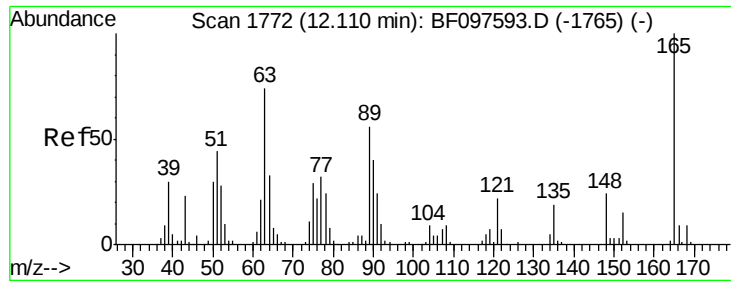
Tot Ion:330 Resp: 6536
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.6 115.0
 141 37.7 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 4.60 ng
 RT: 11.32 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: BF097627.D
 Acq: 12 Aug 2017 8:46

Tgt Ion:172 Resp: 46546
 Ion Ratio Lower Upper
 172 100
 171 32.2 29.6 44.4
 170 23.6 19.8 29.8

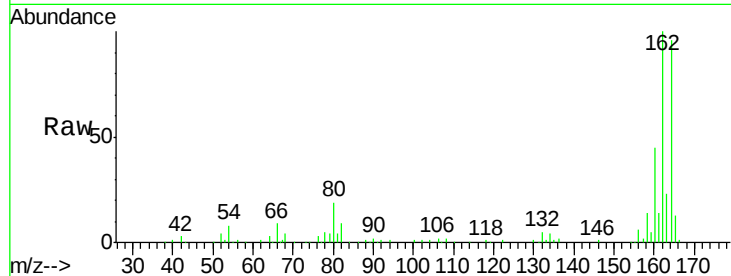




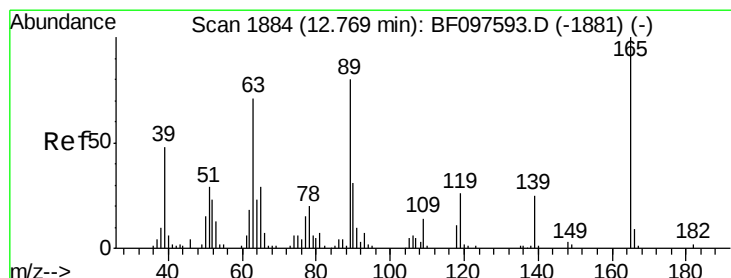
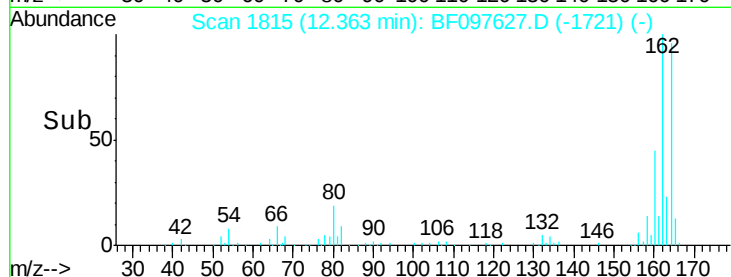
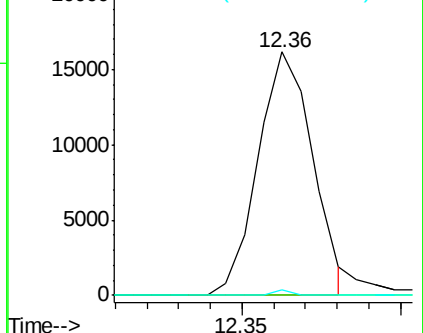
#50
 2,6-Dinitrotoluene
 Concen: 7.97 ng
 RT: 12.36 min Scan# 1815
 Delta R.T. 0.25 min
 Lab File: BF097627.D
 Acq: 12 Aug 2017 8:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-35-COMP

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	2.2	37.1	55.7#

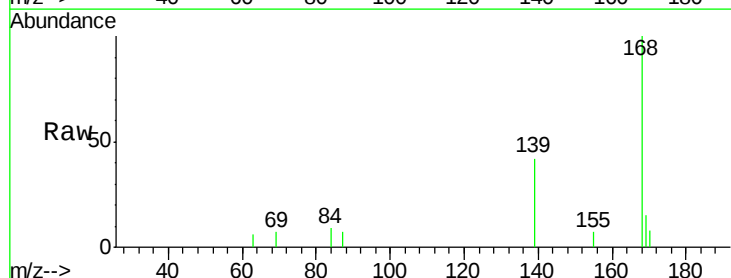


Abundance Ion 165.00 (164.70 to 165.70): E

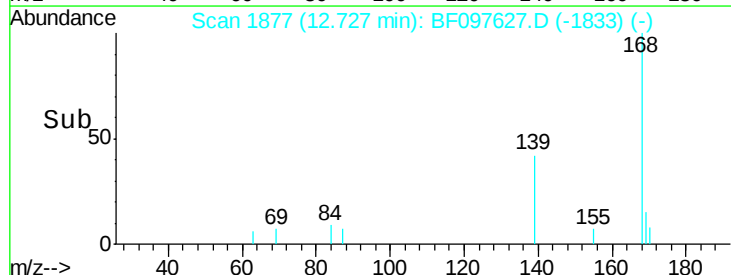
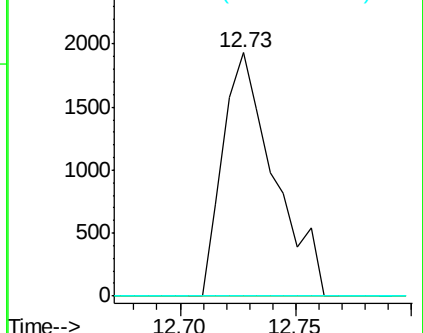


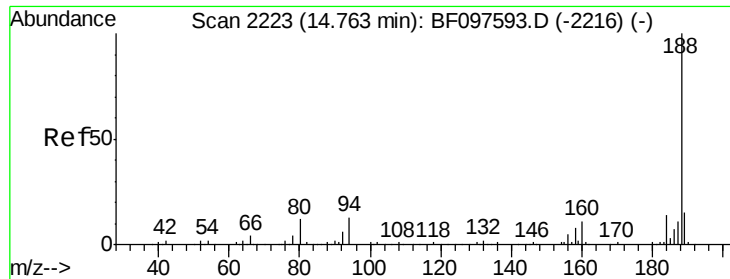
#55
 4-Nitrophenol
 Concen: 2.46 ng
 RT: 12.73 min Scan# 1877
 Delta R.T. -0.04 min
 Lab File: BF097627.D
 Acq: 12 Aug 2017 8:46

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	34.1	74.1#
65	0.0	31.4	71.4#



Abundance Ion 139.00 (138.70 to 139.70): E

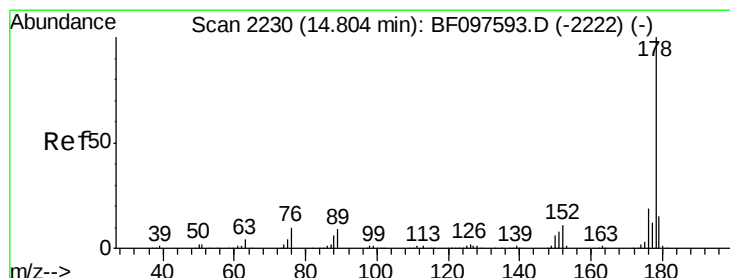
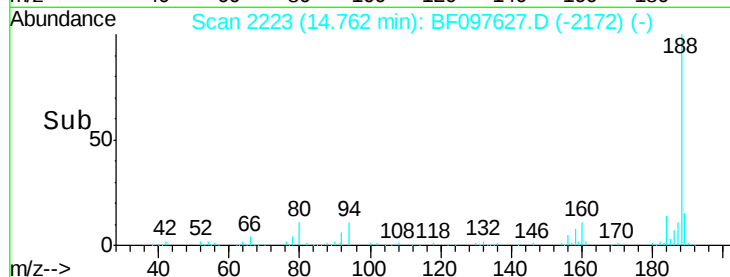
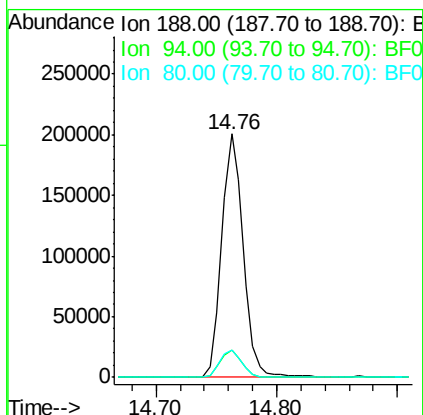
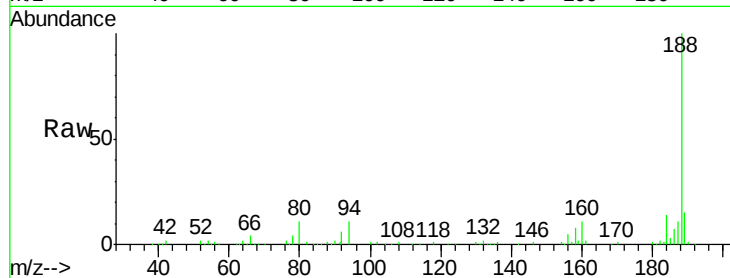




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.76 min Scan# 2223
 Delta R.T. -0.00 min
 Lab File: BF097627.D
 Acq: 12 Aug 2017 8:46

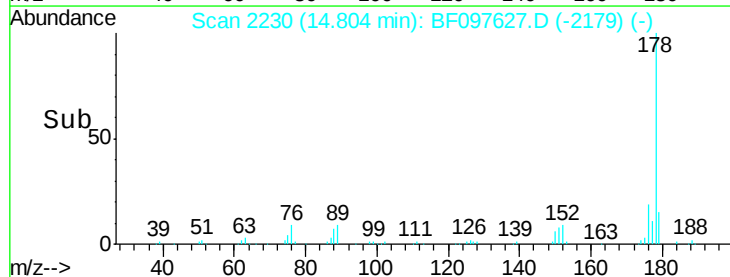
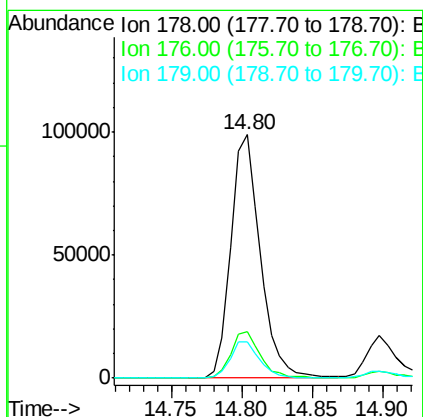
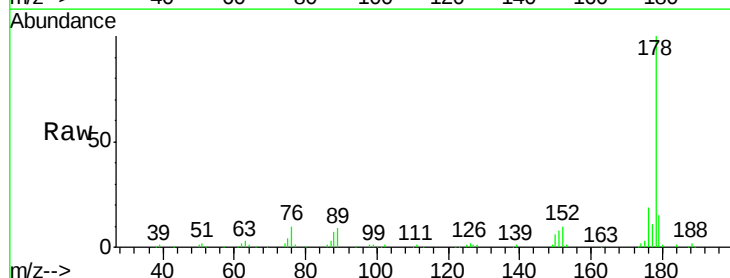
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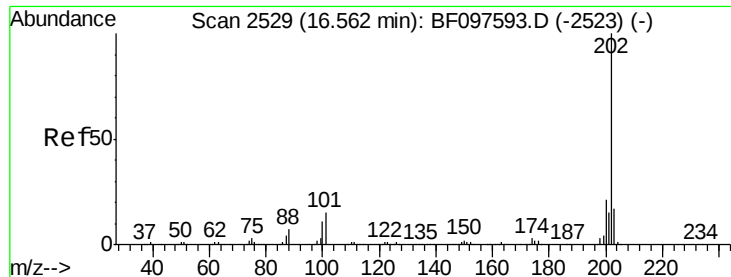
Tot Ion	188	Resp	246988
Ion Ratio	100	Lower	Upper
94	11.3	9.4	14.2
80	11.3	10.2	15.2



#70
 Phenanthrene
 Concen: 10.12 ng
 RT: 14.80 min Scan# 2230
 Delta R.T. -0.00 min
 Lab File: BF097627.D
 Acq: 12 Aug 2017 8:46

Tgt Ion	178	Resp	143934
Ion Ratio	100	Lower	Upper
176	19.2	16.2	24.4
179	14.8	12.6	19.0





#74

Fluoranthene

Concen: 11.46 ng

RT: 16.57 min Scan# 2530

Delta R.T. 0.01 min

Lab File: BF097627.D

Acq: 12 Aug 2017 8:46

Instrument :

BNA_F

ClientSampleId :

SB-35-COMP

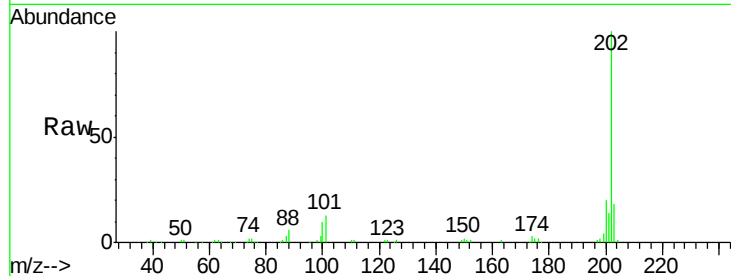
Tot Ion:202 Resp: 147309

Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.2

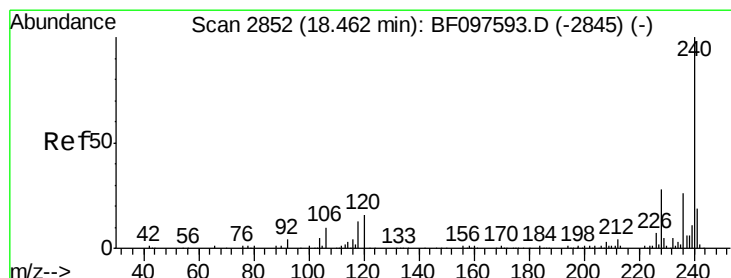
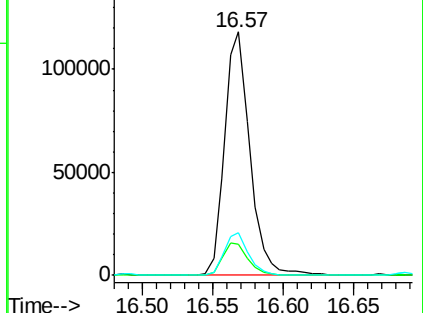
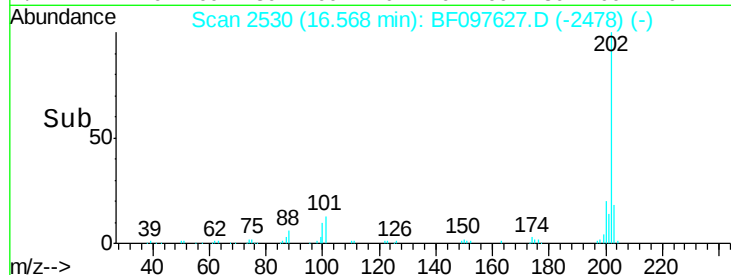
203 17.5 0.0 38.1



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: 18.46 min Scan# 2852

Delta R.T. -0.00 min

Lab File: BF097627.D

Acq: 12 Aug 2017 8:46

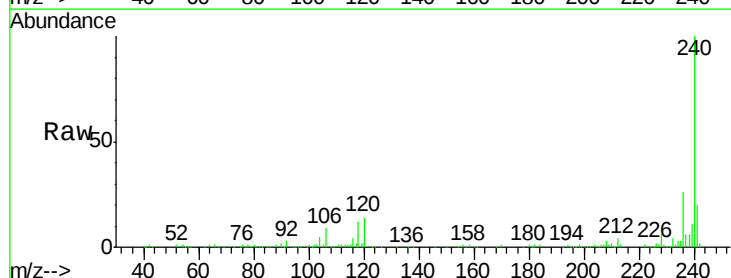
Tgt Ion:240 Resp: 188789

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

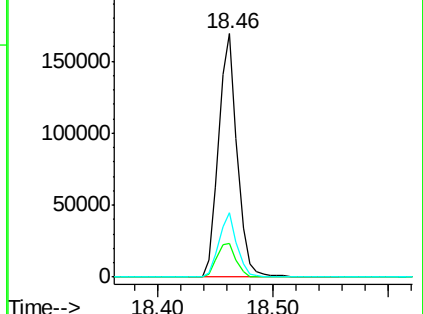
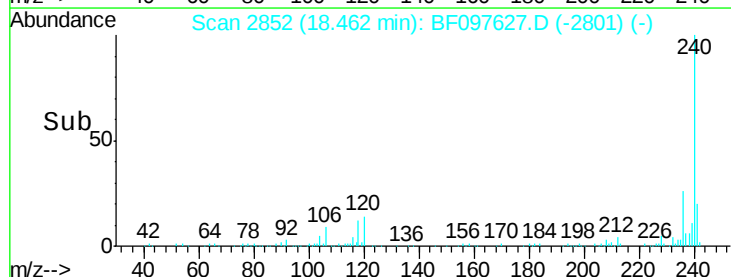
236 26.4 20.5 30.7

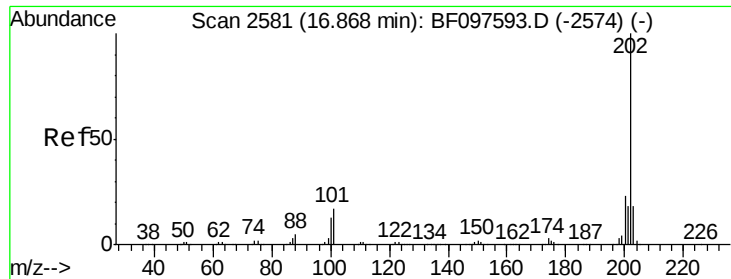


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

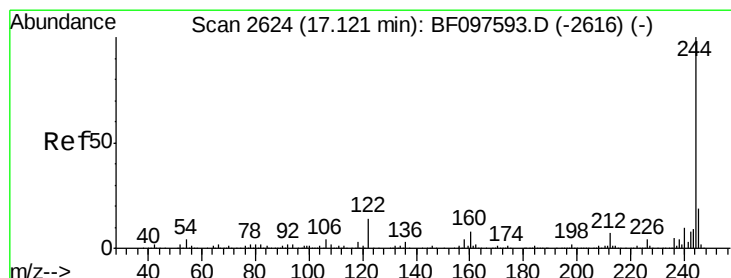
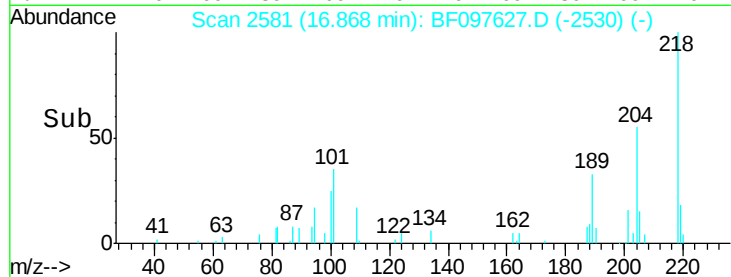
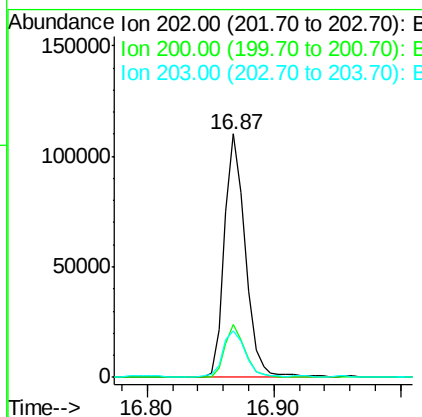
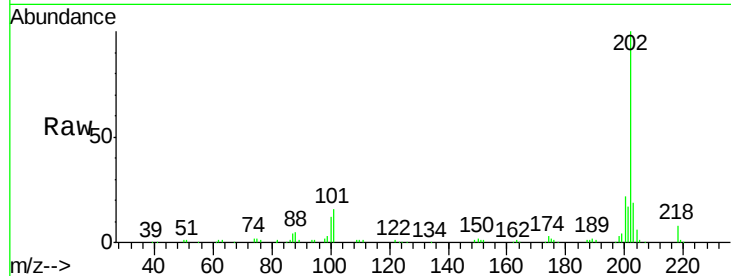




#77
Pvrene
Concen: 8.11 ng
RT: 16.87 min Scan# 2581
Delta R.T. -0.00 min
Lab File: BF097627.D
Acq: 12 Aug 2017 8:46

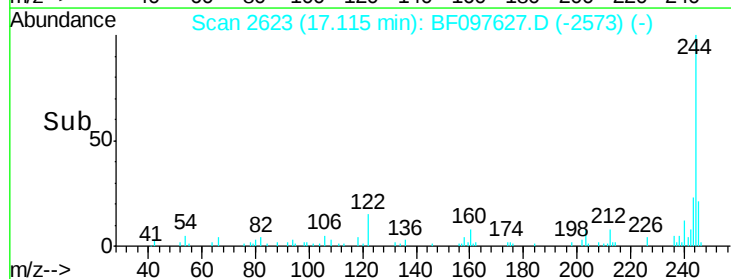
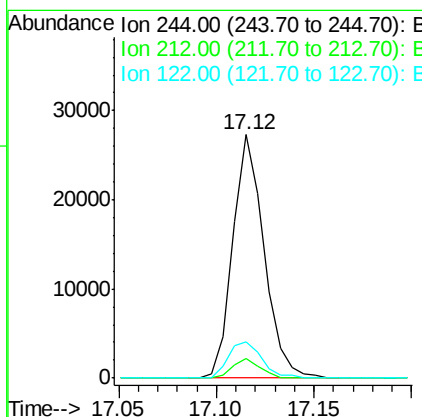
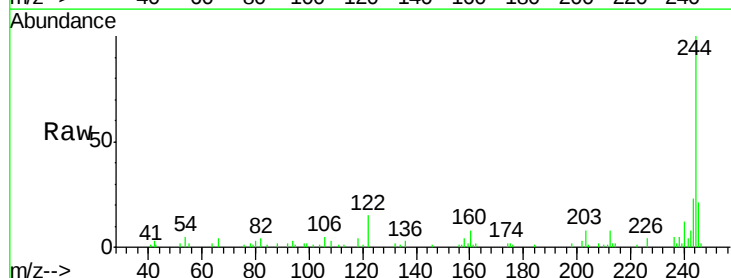
Instrument :
BNA_F
ClientSampleId :
SB-35-COMP

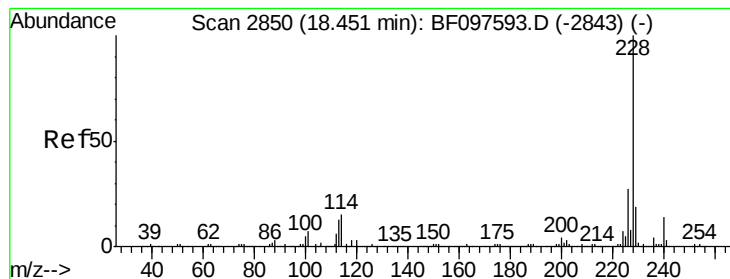
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.6	26.4
203	19.2	14.4	21.6



#78
Terphenyl-d14
Concen: 3.33 ng
RT: 17.12 min Scan# 2623
Delta R.T. -0.01 min
Lab File: BF097627.D
Acq: 12 Aug 2017 8:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.0	9.0
122	14.8	10.3	15.5





#80

Benzo(a)anthracene

Concen: 4.49 ng

RT: 18.45 min Scan# 2850

Delta R.T. -0.00 min

Lab File: BF097627.D

Acq: 12 Aug 2017 8:46

Instrument :

BNA_F

ClientSampleId :

SB-35-COMP

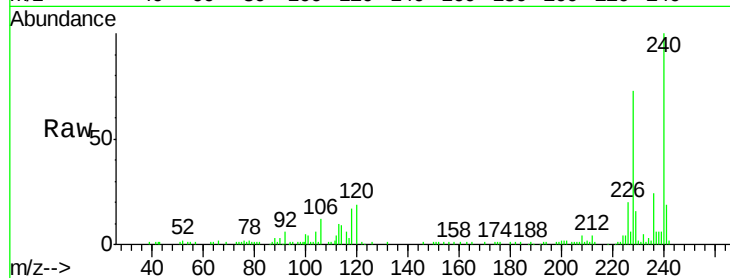
Tot Ion:228 Resp: 49549

Ion Ratio Lower Upper

228 100

226 27.1 22.6 33.8

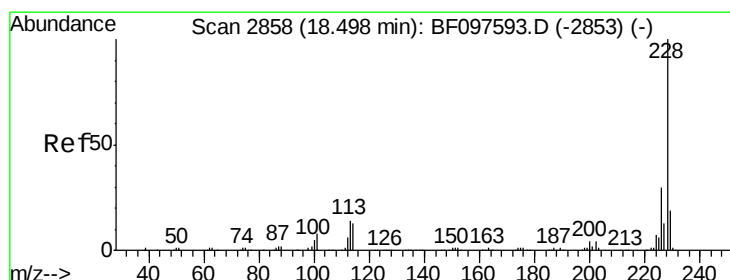
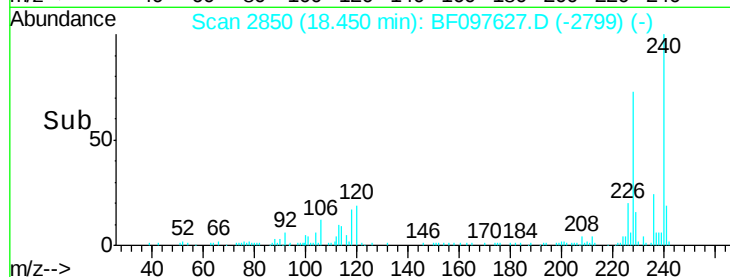
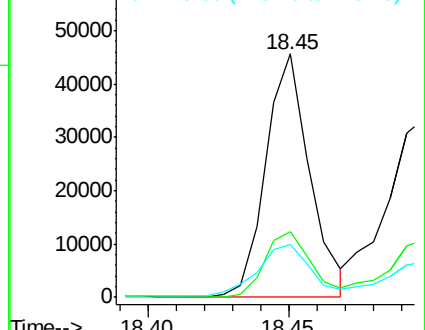
229 21.8 16.3 24.5



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: 4.69 ng

RT: 18.50 min Scan# 2858

Delta R.T. -0.00 min

Lab File: BF097627.D

Acq: 12 Aug 2017 8:46

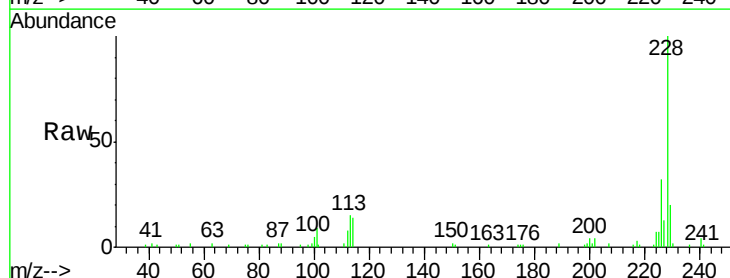
Tgt Ion:228 Resp: 51473

Ion Ratio Lower Upper

228 100

226 31.6 24.9 37.3

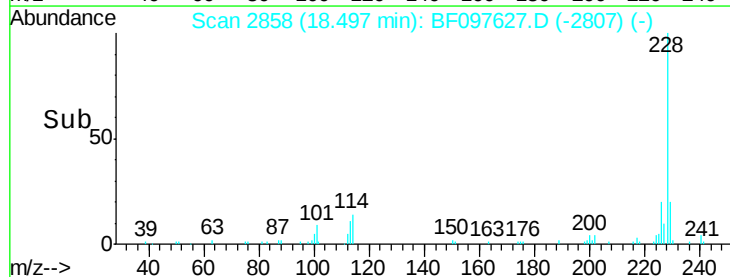
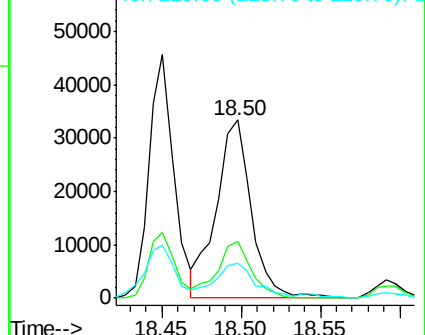
229 19.6 15.8 23.6

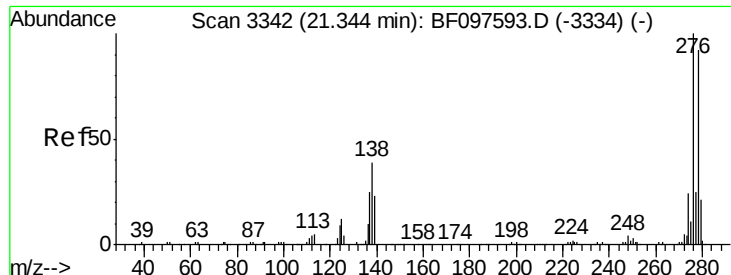


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

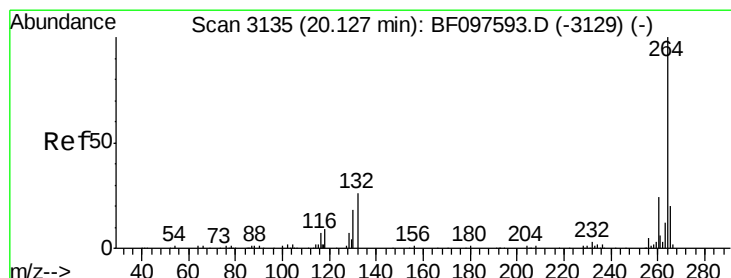
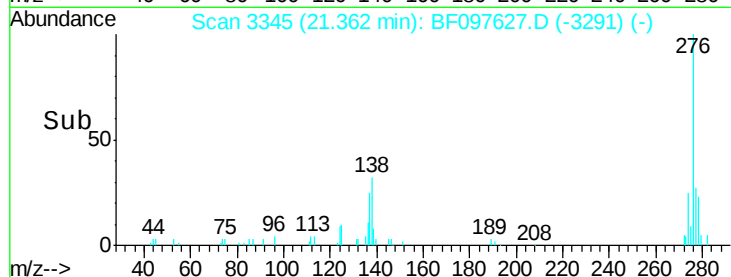
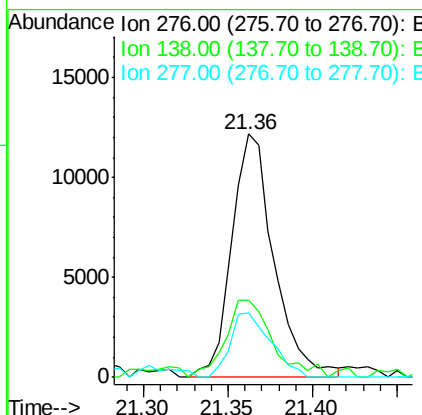
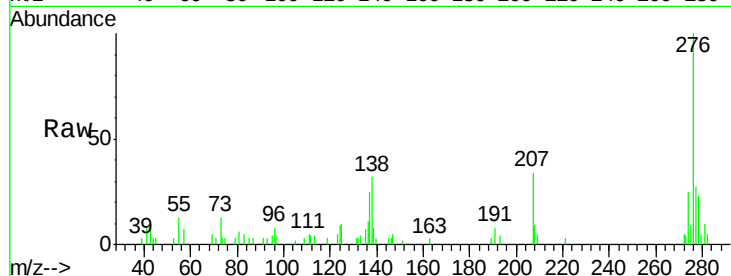




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.49 ng
 RT: 21.36 min Scan# 3345
 Delta R.T. 0.02 min
 Lab File: BF097627.D
 Acq: 12 Aug 2017 8:46

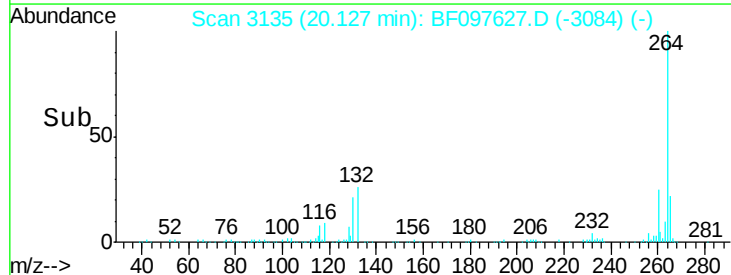
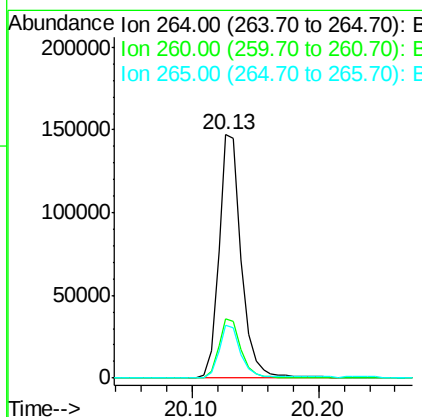
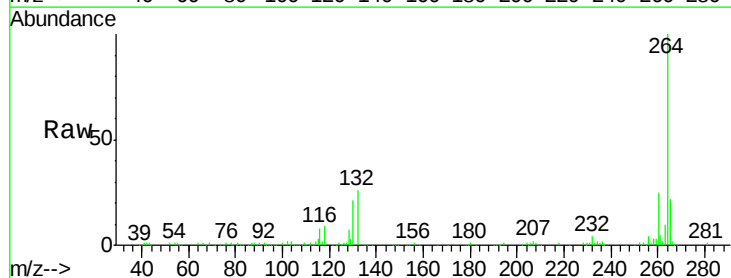
Instrument :
 BNA_F
 ClientSampleId :
 SB-35-COMP

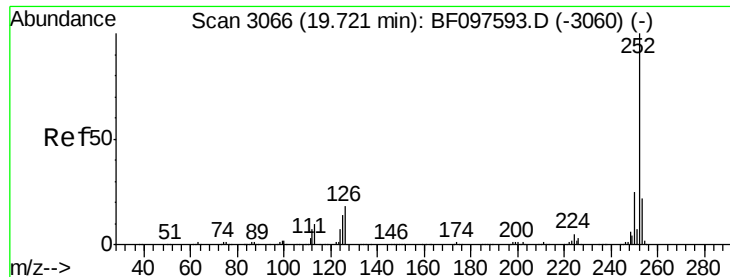
Tot Ion	Ratio	Lower	Upper
276	100		
138	35.2	27.8	41.6
277	25.1	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.13 min Scan# 3135
 Delta R.T. -0.00 min
 Lab File: BF097627.D
 Acq: 12 Aug 2017 8:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	21.7	17.2	25.8

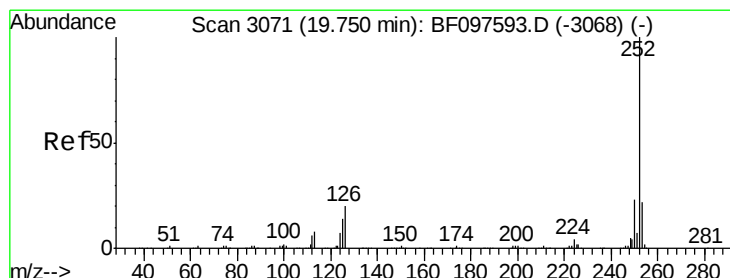
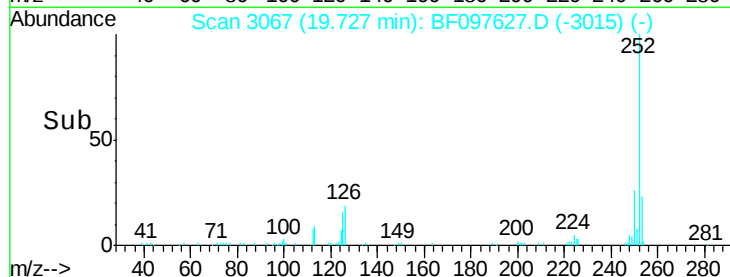
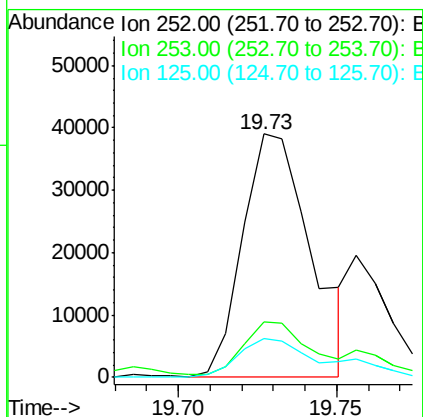
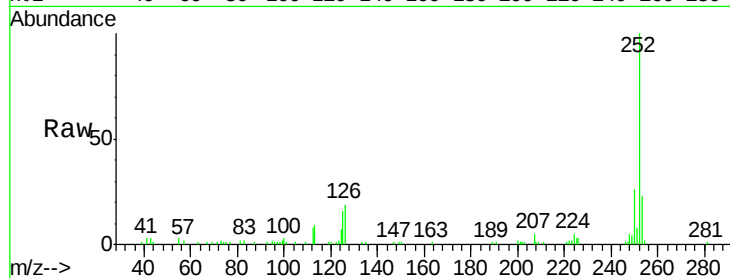




#87
Benzo(b)fluoranthene
Concen: 5.38 ng
RT: 19.73 min Scan# 3067
Delta R.T. 0.01 min
Lab File: BF097627.D
Acq: 12 Aug 2017 8:46

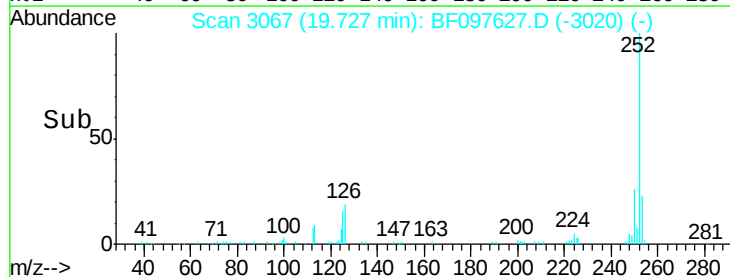
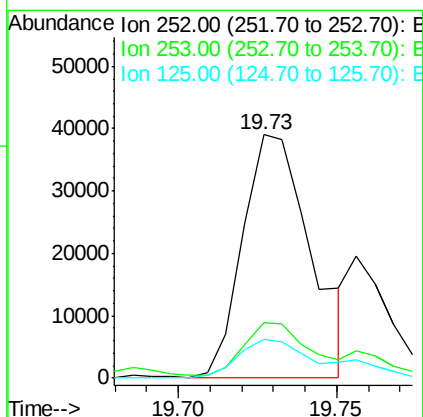
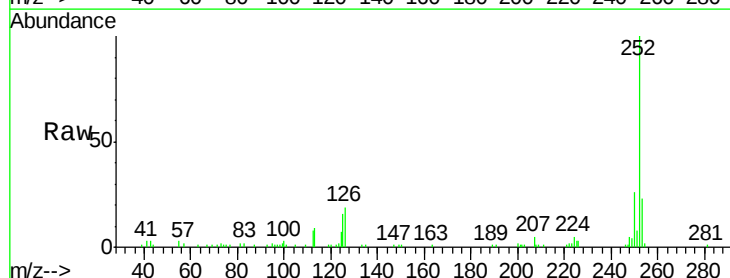
Instrument :
BNA_F
ClientSampleId :
SB-35-COMP

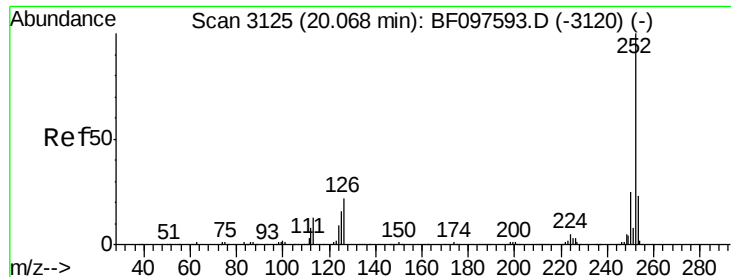
Tot Ion:252 Resp: 58283
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 16.0 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 5.34 ng
RT: 19.73 min Scan# 3067
Delta R.T. -0.02 min
Lab File: BF097627.D
Acq: 12 Aug 2017 8:46

Tgt Ion:252 Resp: 58283
Ion Ratio Lower Upper
252 100
253 22.7 18.4 27.6
125 16.0 13.1 19.7

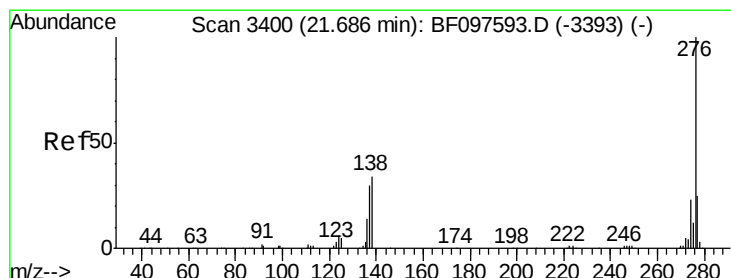
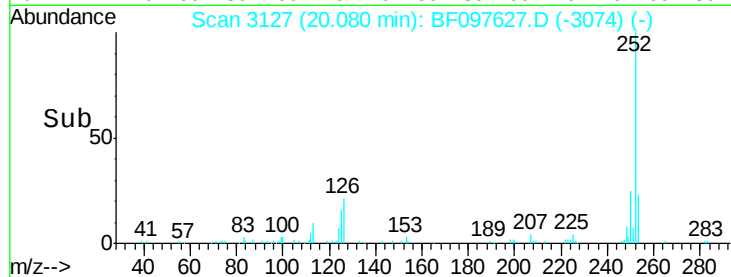
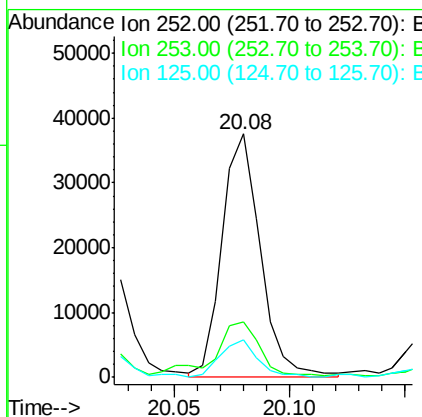
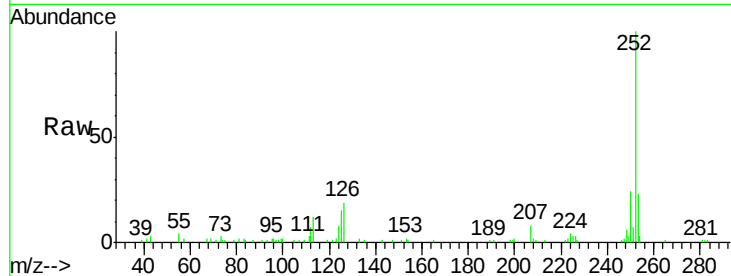




#89
Benzo(a)pyrene
Concen: 4.38 ng
RT: 20.08 min Scan# 3127
Delta R.T. 0.01 min
Lab File: BF097627.D
Acq: 12 Aug 2017 8:46

Instrument :
BNA_F
ClientSampleId :
SB-35-COMP

Tot Ion:252 Resp: 43616
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 15.3 11.0 16.4



#91
Benzo(g,h,i)perylene
Concen: 2.39 ng
RT: 21.72 min Scan# 3406
Delta R.T. 0.04 min
Lab File: BF097627.D
Acq: 12 Aug 2017 8:46

Tgt Ion:276 Resp: 18648
Ion Ratio Lower Upper
276 100
277 23.5 18.6 28.0
138 32.0 25.4 38.0

