

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081817\
 Data File : BF097869.D
 Acq On : 19 Aug 2017 8:52
 Operator : SJ/JU
 Sample : I4797-05 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-K10-ESW

Quant Time: Aug 21 00:53:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	112661	20.00	ng	-0.02
21) Naphthalene-d8	8.06	136	449408	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	201113	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	376921	20.00	ng	-0.01
75) Chrysene-d12	13.92	240	311850	20.00	ng	-0.02
86) Perylene-d12	15.36	264	257219	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	122823	16.58	ng	-0.02
7) Phenol-d6	6.39	99	168856	16.78	ng	-0.02
23) Nitrobenzene-d5	7.33	82	99697	12.05	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	23326	13.37	ng	-0.02
44) 2-Fluorobiphenyl	9.13	172	165788	12.11	ng	-0.02
78) Terphenyl-d14	12.87	244	133399	8.92	ng	-0.02

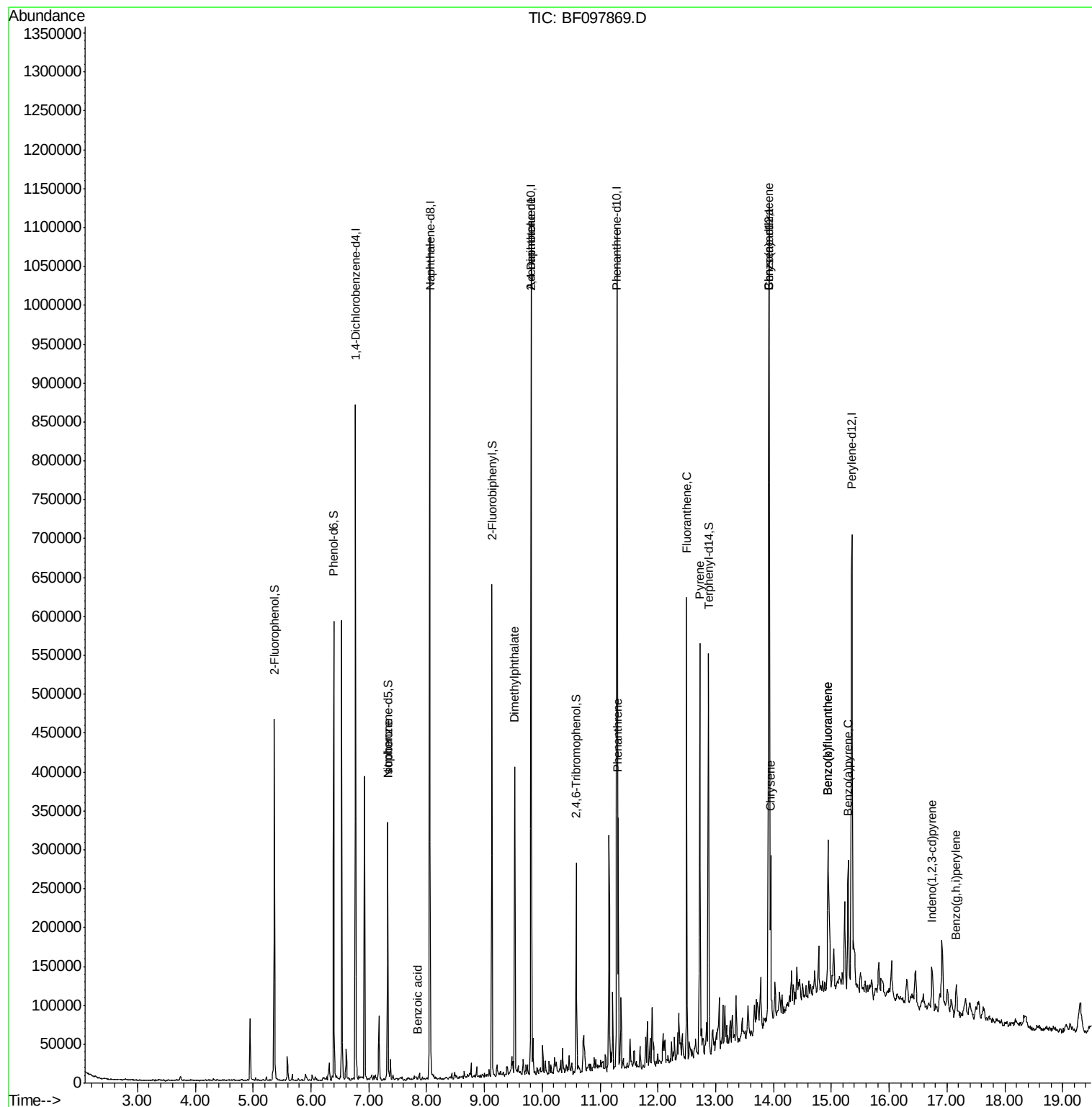
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.33	82	99559	5.79	ng	# 67
32) Benzoic acid	7.84	122	122	6.42	ng	# 1
49) Dimethylphthalate	9.53	163	144965	9.86	ng	99
56) 2,4-Dinitrotoluene	9.81	165	26620	7.23	ng	# 34
70) Phenanthrene	11.31	178	109361	5.44	ng	99
74) Fluoranthene	12.50	202	204999	9.78	ng	99
77) Pyrene	12.73	202	195233	7.65	ng	96
80) Benzo(a)anthracene	13.92	228	91442	4.89	ng	96
82) Chrysene	13.95	228	84322	4.54	ng	97
85) Indeno(1,2,3-cd)pyrene	16.74	276	35488	2.59	ng	# 88
87) Benzo(b)fluoranthene	14.94	252	136009	8.39	ng	99
88) Benzo(k)fluoranthene	14.94	252	136009	8.93	ng	97
89) Benzo(a)pyrene	15.29	252	69058	4.81	ng	100
91) Benzo(a,h,i)perylene	17.16	276	32416	2.66	ng	94

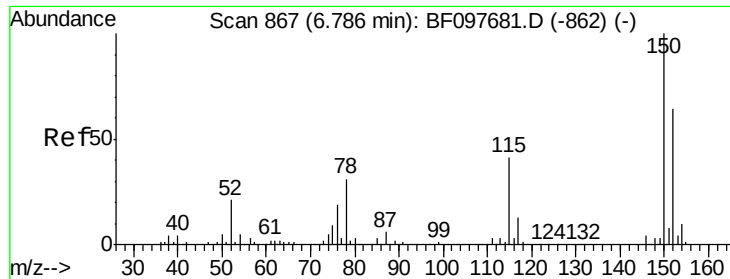
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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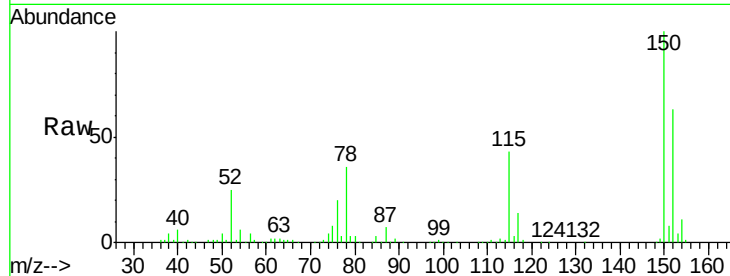


#1

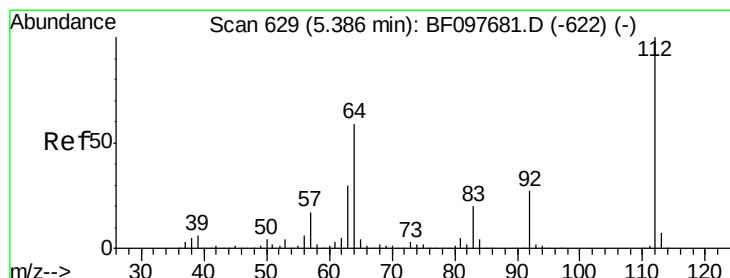
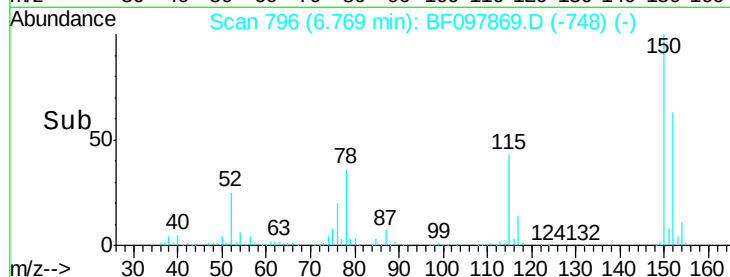
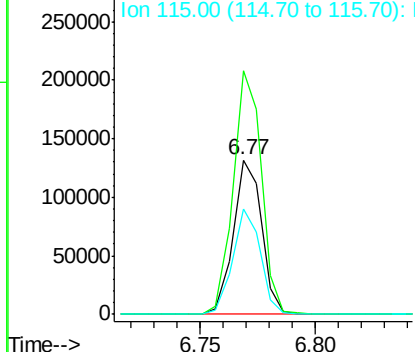
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF097869.D
Acq: 19 Aug 2017 8:52

Instrument :
BNA_F
ClientSampled :
E2-K10-ESW

Tot Ion:152 Resp: 112661
Ion Ratio Lower Upper
152 100
150 158.0 126.2 189.2
115 68.6 52.2 78.2



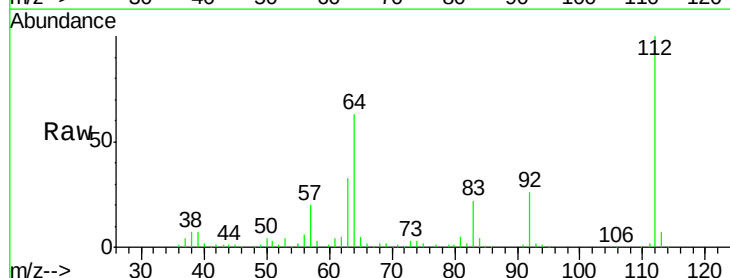
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



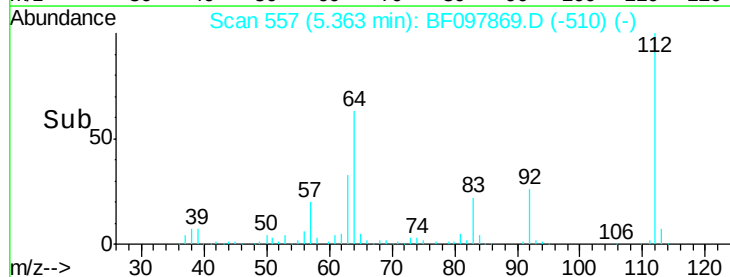
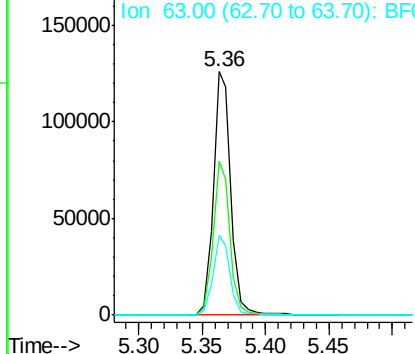
#5

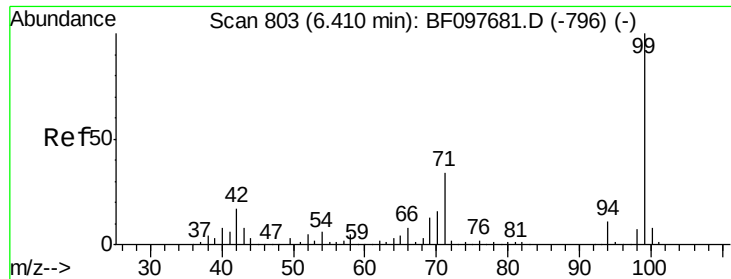
2-Fluorophenol
Concen: 16.58 ng
RT: 5.36 min Scan# 557
Delta R.T. -0.02 min
Lab File: BF097869.D
Acq: 19 Aug 2017 8:52

Tgt Ion:112 Resp: 122823
Ion Ratio Lower Upper
112 100
64 63.0 46.0 69.0
63 32.7 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: 16.78 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BF097869.D

Acq: 19 Aug 2017 8:52

Instrument :

BNA_F

ClientSampleId :

E2-K10-ESW

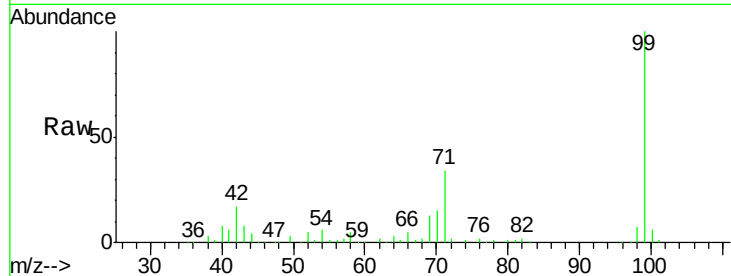
Tot Ion: 99 Resp: 168856

Ion Ratio Lower Upper

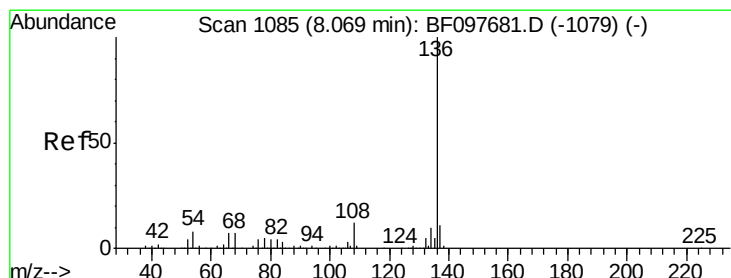
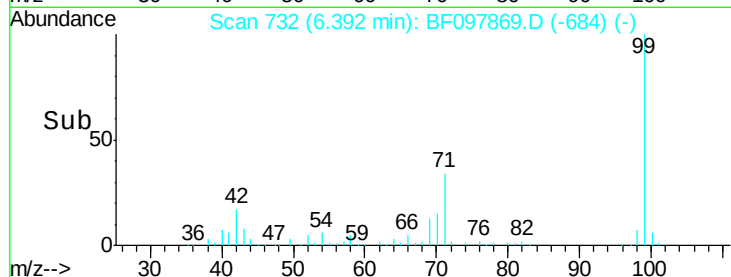
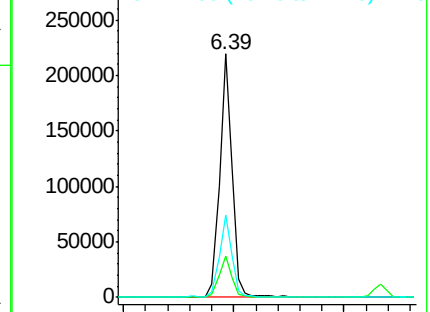
99 100

42 17.0 13.5 20.3

71 33.6 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: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF097869.D

Acq: 19 Aug 2017 8:52

Tgt Ion: 136 Resp: 449408

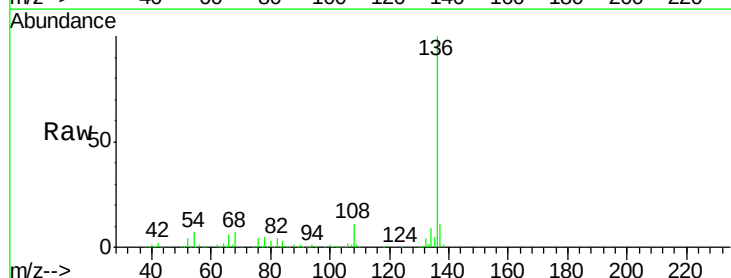
Ion Ratio Lower Upper

136 100

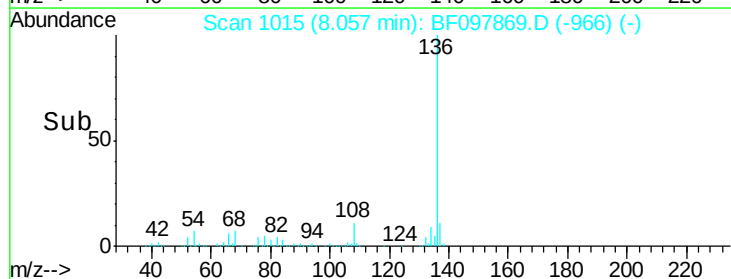
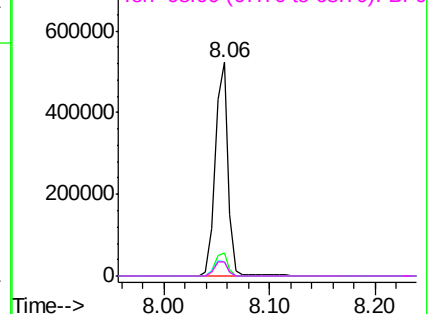
137 10.5 8.5 12.7

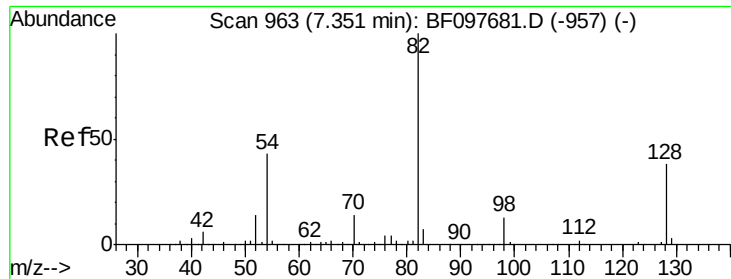
54 6.9 4.9 7.3

68 6.8 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

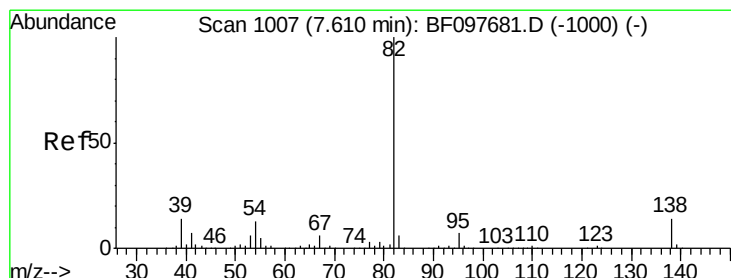
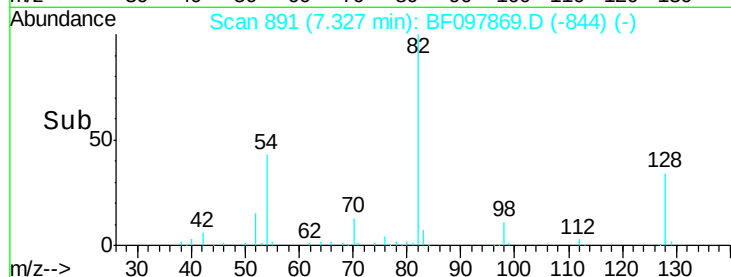
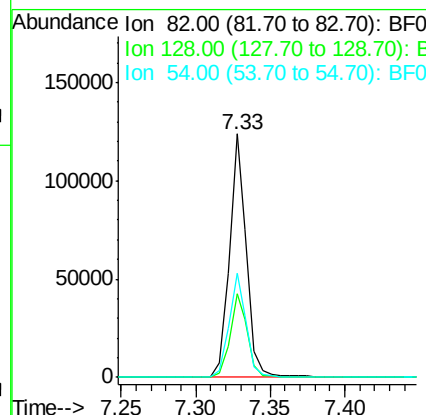
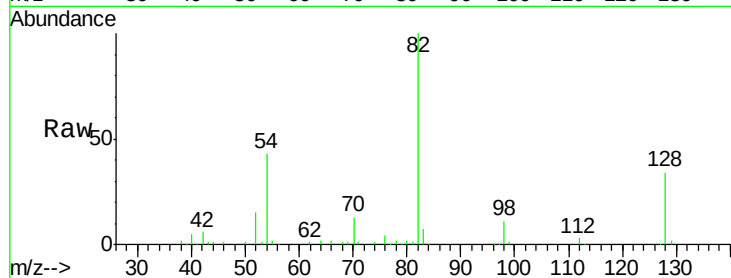




#23
 Nitrobenzene-d5
 Concen: 12.05 na
 RT: 7.33 min Scan# 891
 Delta R.T. -0.02 min
 Lab File: BF097869.D
 Acq: 19 Aug 2017 8:52

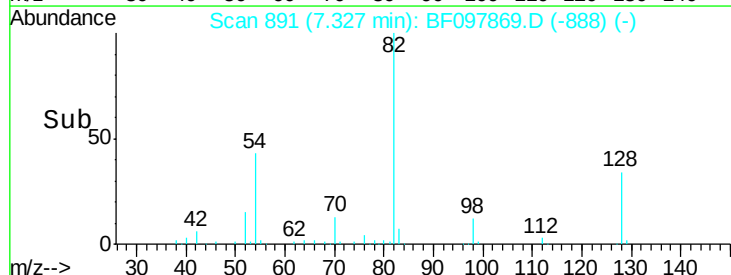
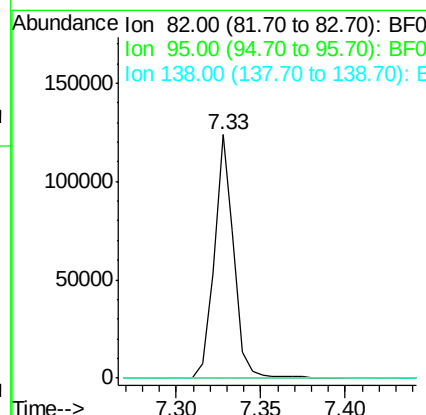
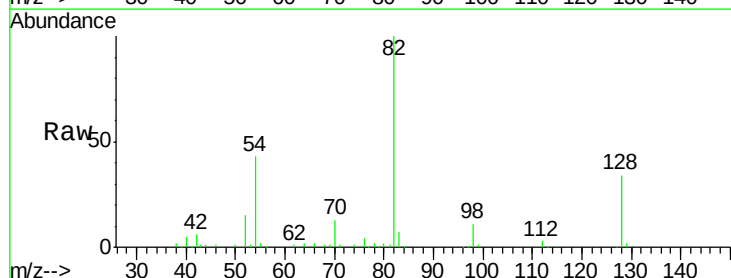
Instrument :
 BNA_F
 ClientSampleId :
 E2-K10-ESW

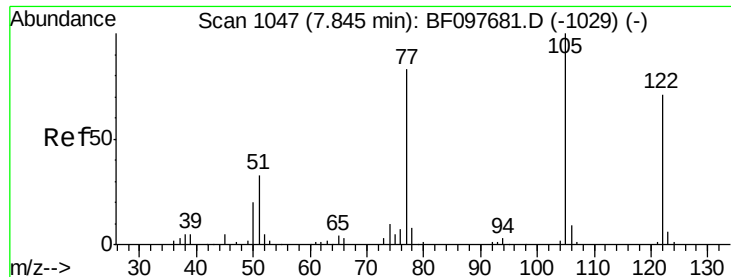
Tot Ion	82	Resp	99697
Ion Ratio	Lower	Upper	
82	100		
128	34.1	34.0	51.0
54	42.8	42.2	63.2



#25
 Isophorone
 Concen: 5.79 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.28 min
 Lab File: BF097869.D
 Acq: 19 Aug 2017 8:52

Tgt Ion	82	Resp	99559
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

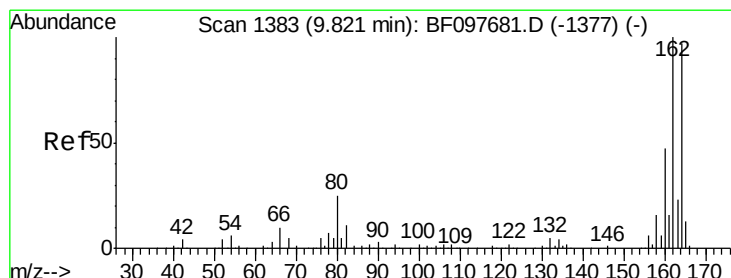
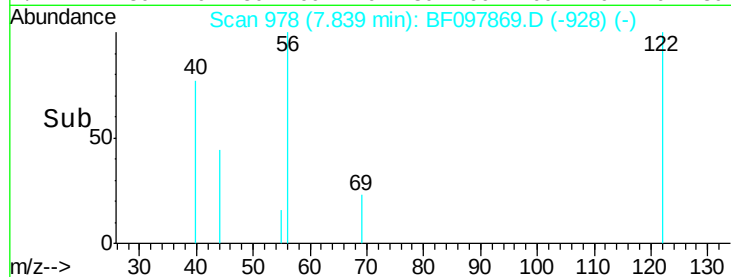
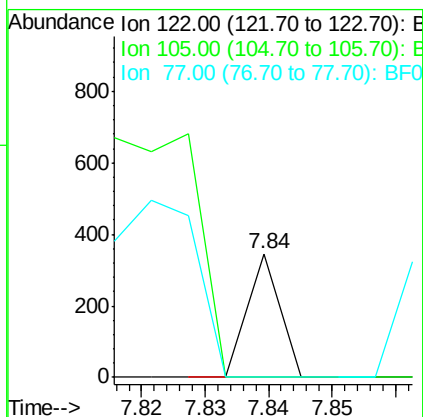
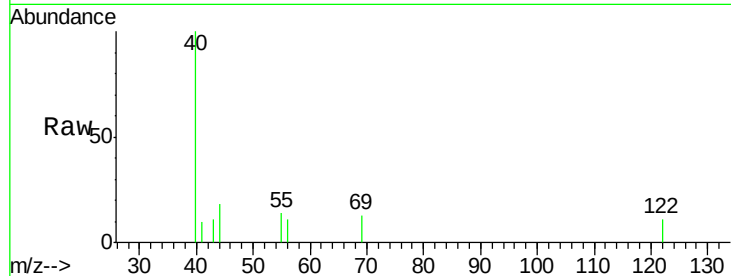




#32
Benzoic acid
Concen: 6.42 ng
RT: 7.84 min Scan# 978
Delta R.T. -0.01 min
Lab File: BF097869.D
Acq: 19 Aug 2017 8:52

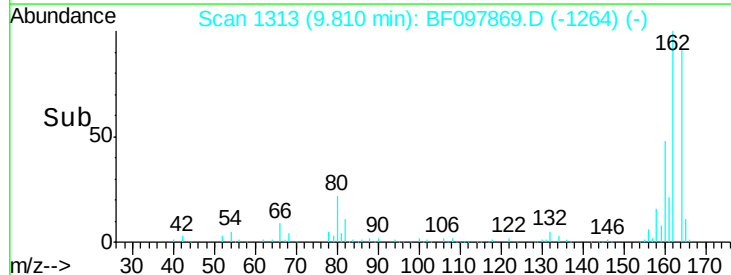
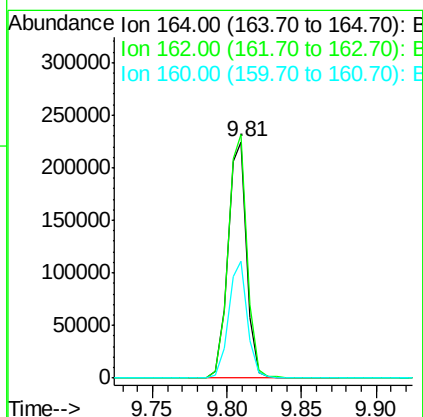
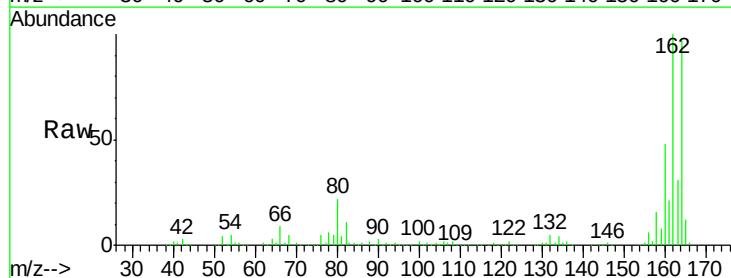
Instrument :
BNA_F
ClientSampleId :
E2-K10-ESW

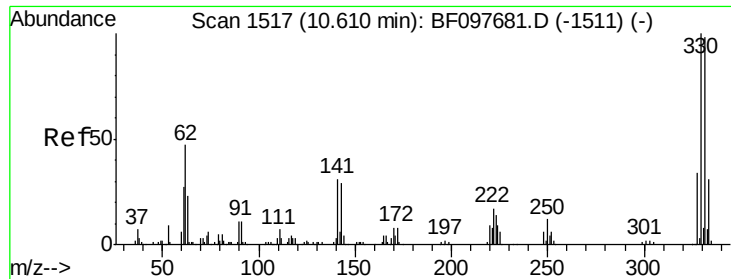
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	103.3	143.3#
77	0.0	73.7	113.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF097869.D
Acq: 19 Aug 2017 8:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.6	123.8
160	49.2	36.2	54.2

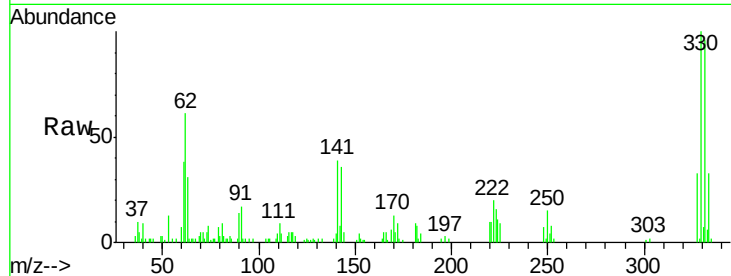




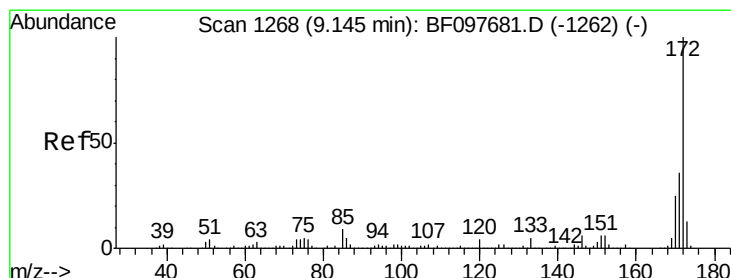
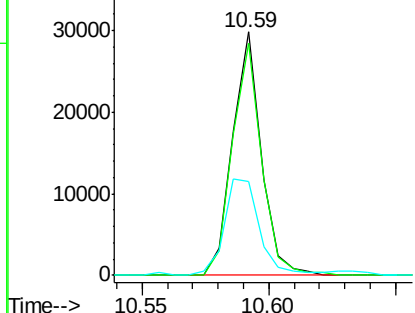
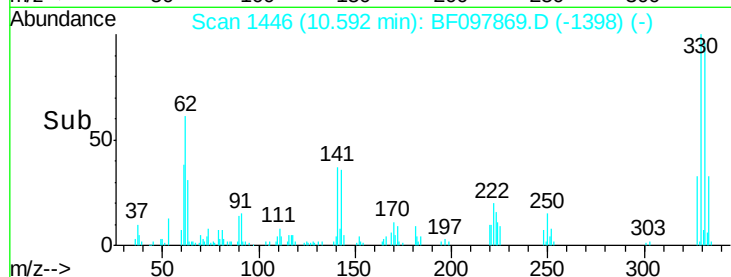
#41
 2,4,6-Tribromophenol
 Concen: 13.37 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.02 min
 Lab File: BF097869.D
 Acq: 19 Aug 2017 8:52

Instrument :
 BNA_F
 ClientSampleId :
 E2-K10-ESW

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.6	115.0
141	48.7	31.4	47.2#

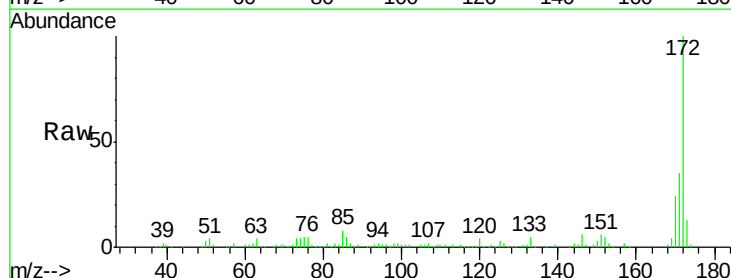


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

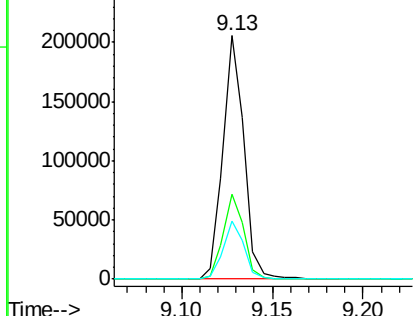
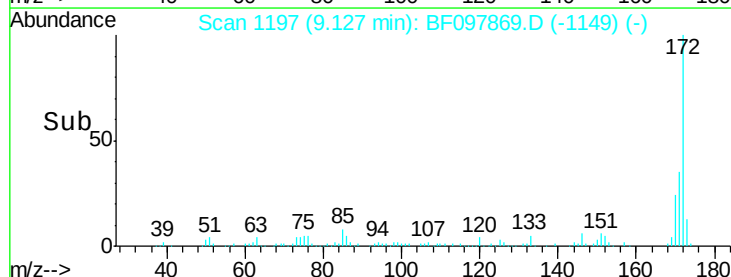


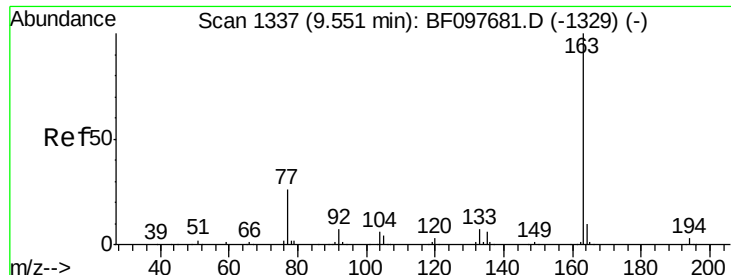
#44
 2-Fluorobiphenyl
 Concen: 12.11 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: BF097869.D
 Acq: 19 Aug 2017 8:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.6	44.4
170	24.0	19.8	29.8



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

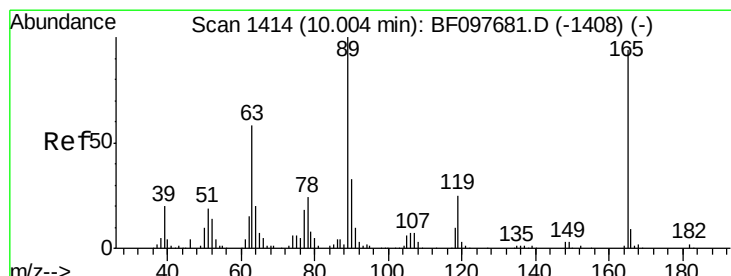
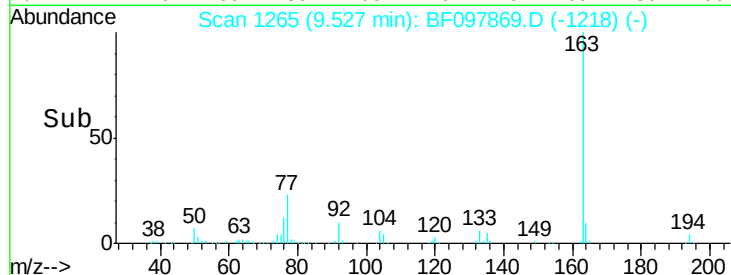
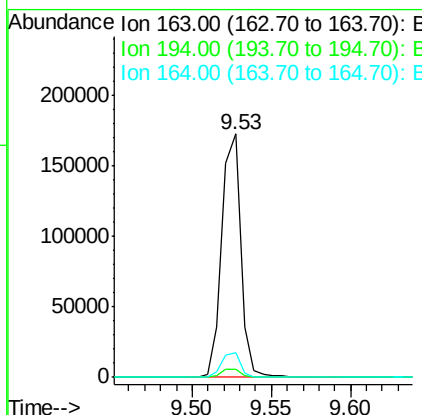
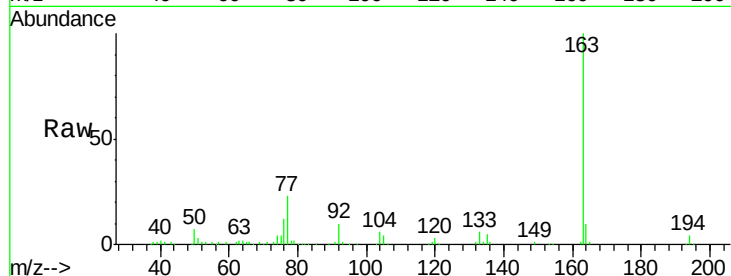




#49
 Dimethylphthalate
 Concen: 9.86 ng
 RT: 9.53 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: BF097869.D
 Acq: 19 Aug 2017 8:52

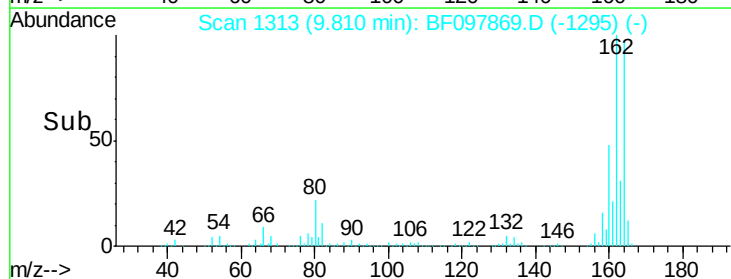
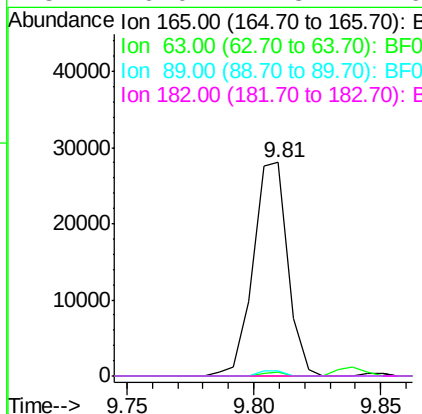
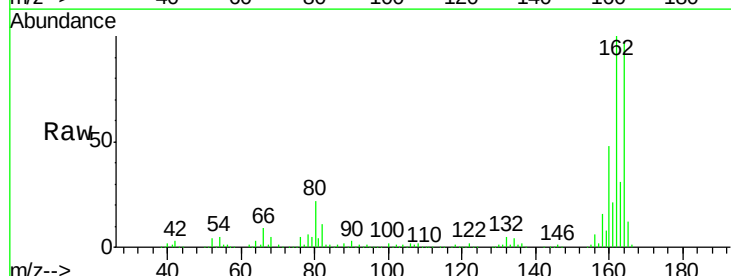
Instrument :
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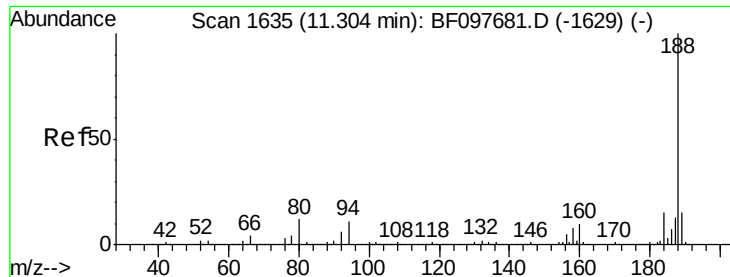
Tot Ion:163	Resp:	144965
Ion Ratio	Lower	Upper
163	100	
194	3.6	2.6 4.0
164	10.1	8.4 12.6



#56
 2,4-Dinitrotoluene
 Concen: 7.23 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF097869.D
 Acq: 19 Aug 2017 8:52

Tgt Ion:165	Resp:	26620
Ion Ratio	Lower	Upper
165	100	
63	1.9	25.4 38.0#
89	2.4	46.4 69.6#
182	0.0	1.8 2.6#

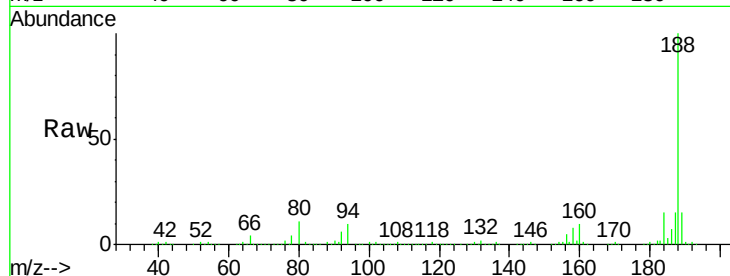




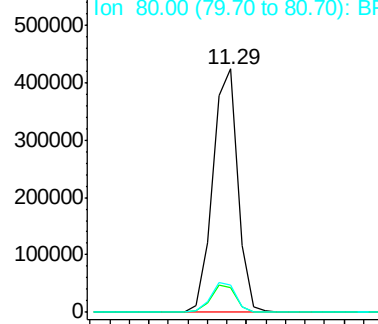
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF097869.D
Acq: 19 Aug 2017 8:52

Instrument :
BNA_F
ClientSampleId :
E2-K10-ESW

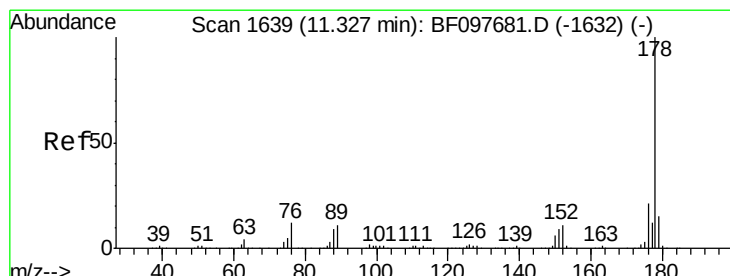
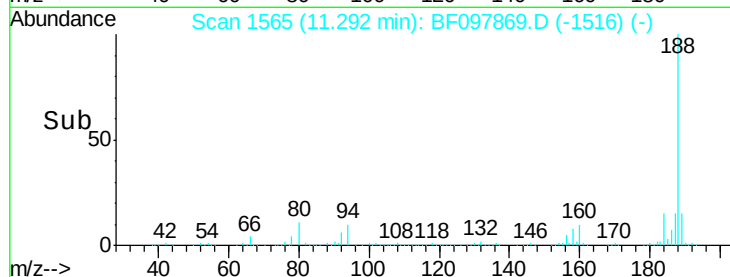
Tot Ion:188 Resp: 376921
Ion Ratio Lower Upper
188 100
94 10.0 9.4 14.2
80 11.1 10.2 15.2



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

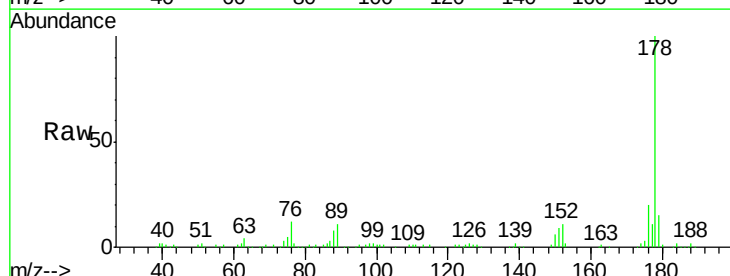


Time--> 11.25 11.30 11.35

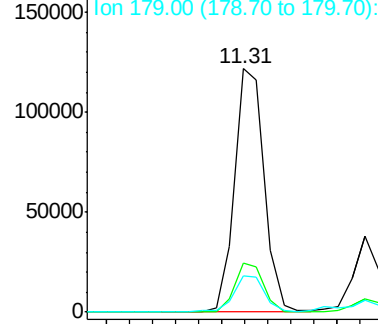


#70
Phenanthrene
Concen: 5.44 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF097869.D
Acq: 19 Aug 2017 8:52

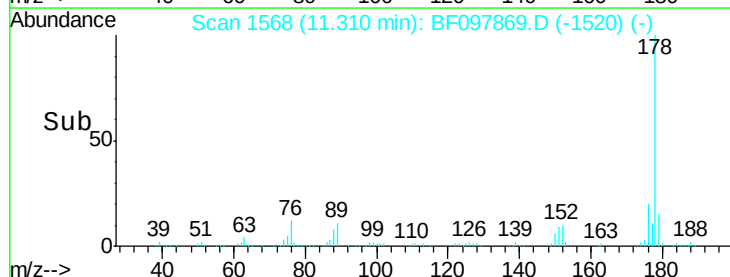
Tgt Ion:178 Resp: 109361
Ion Ratio Lower Upper
178 100
176 20.2 16.2 24.4
179 14.7 12.6 19.0

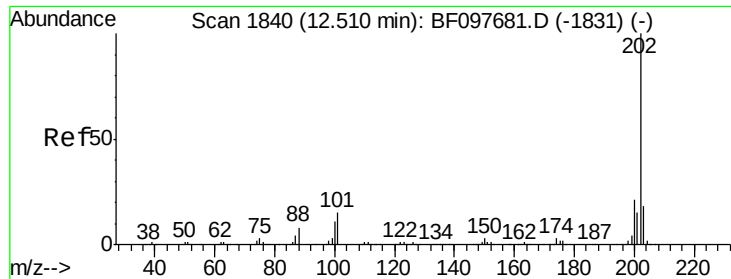


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time--> 11.25 11.30 11.35





#74

Fluoranthene

Concen: 9.78 ng

RT: 12.50 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BF097869.D

Acq: 19 Aug 2017 8:52

Instrument :

BNA_F

ClientSampleId :

E2-K10-ESW

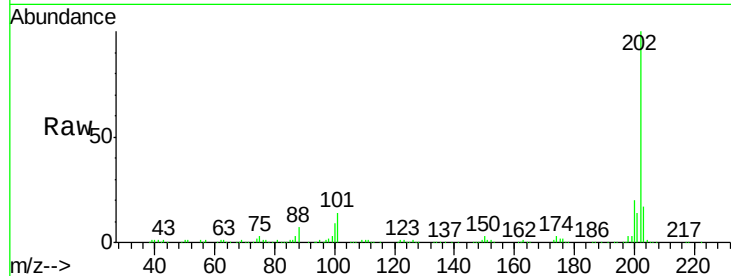
Tot Ion:202 Resp: 204999

Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.2

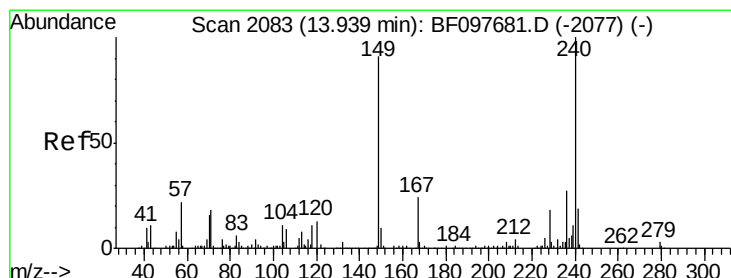
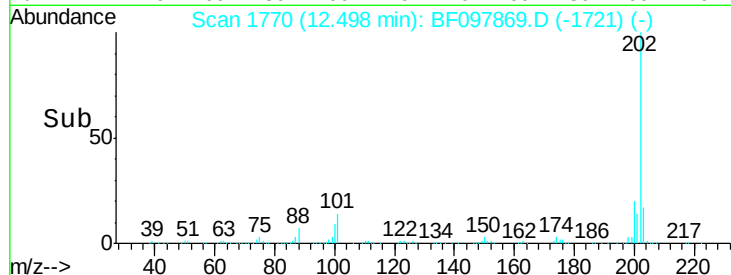
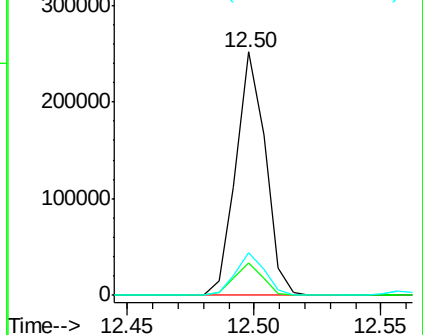
203 17.3 0.0 38.1



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: 13.92 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF097869.D

Acq: 19 Aug 2017 8:52

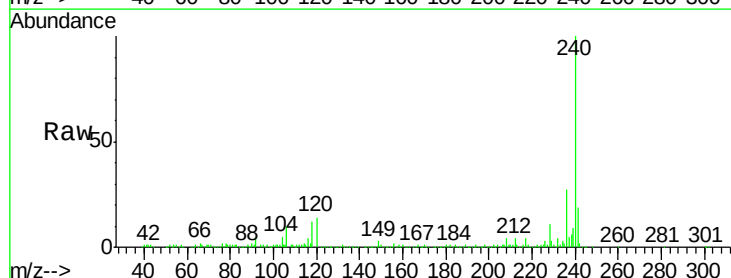
Tgt Ion:240 Resp: 311850

Ion Ratio Lower Upper

240 100

120 14.1 5.8 8.8#

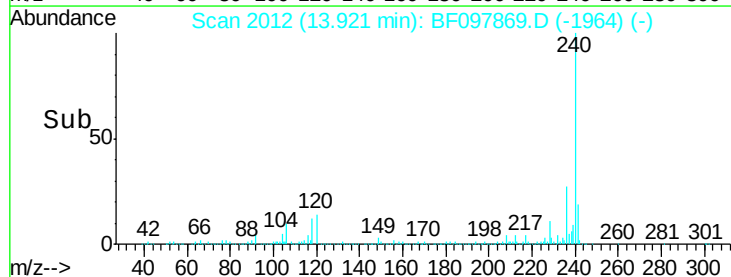
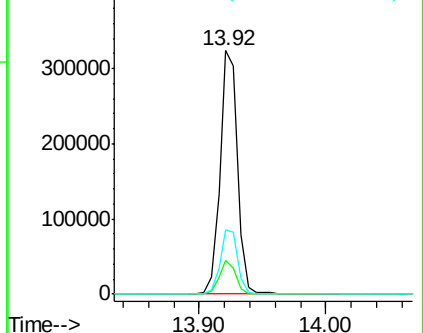
236 26.6 20.5 30.7

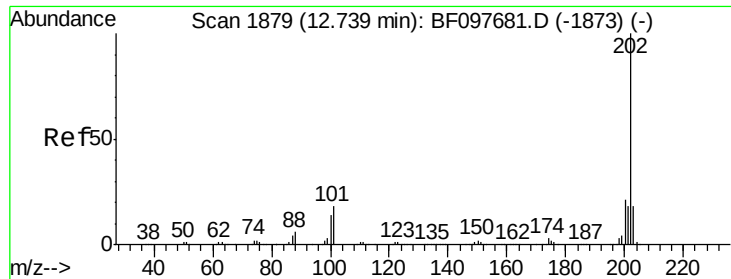


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.65 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF097869.D

Acq: 19 Aug 2017 8:52

Instrument :

BNA_F

ClientSampleId :

E2-K10-ESW

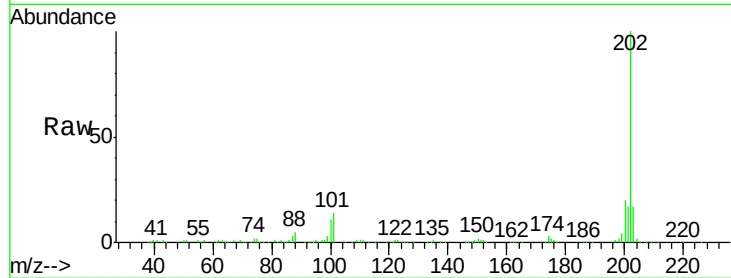
Tot Ion:202 Resp: 195233

Ion Ratio Lower Upper

202 100

200 20.0 17.6 26.4

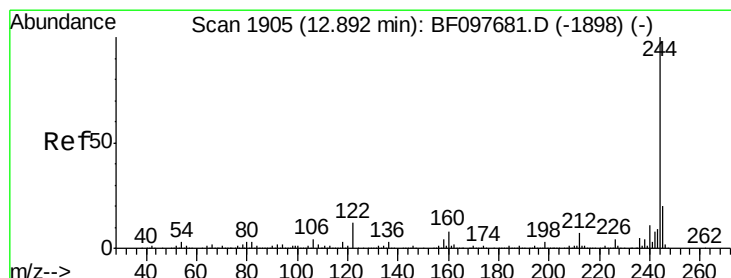
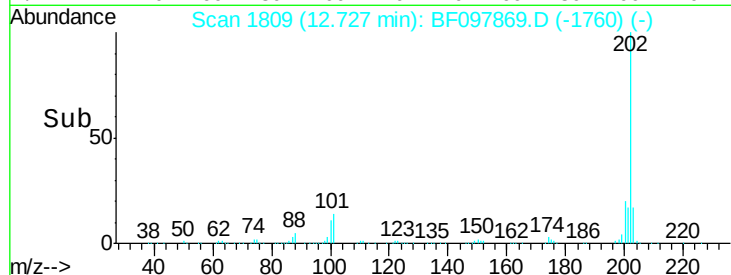
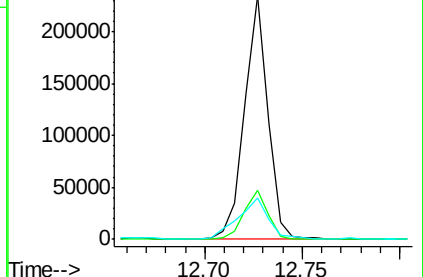
203 16.8 14.4 21.6



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: 8.92 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF097869.D

Acq: 19 Aug 2017 8:52

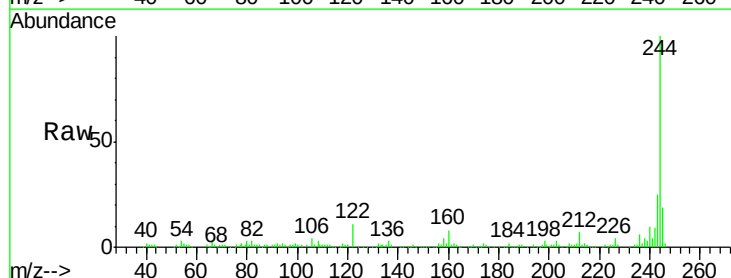
Tgt Ion:244 Resp: 133399

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

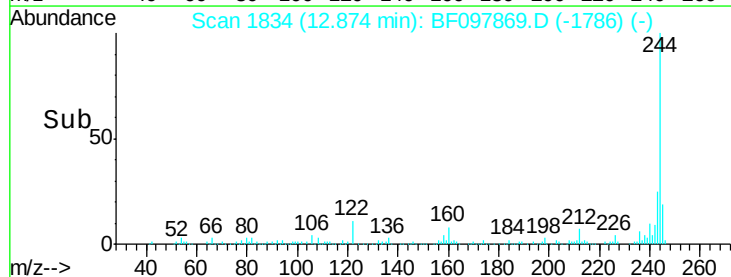
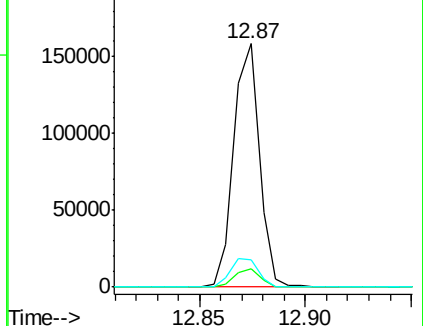
122 11.1 10.3 15.5

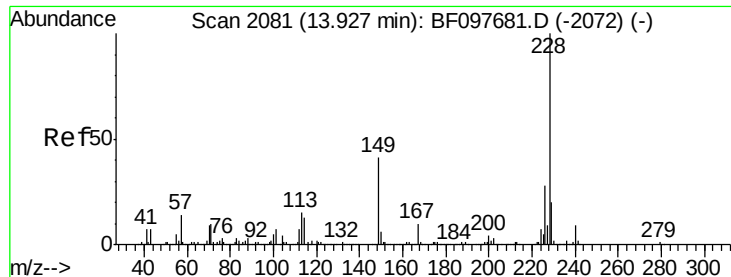


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

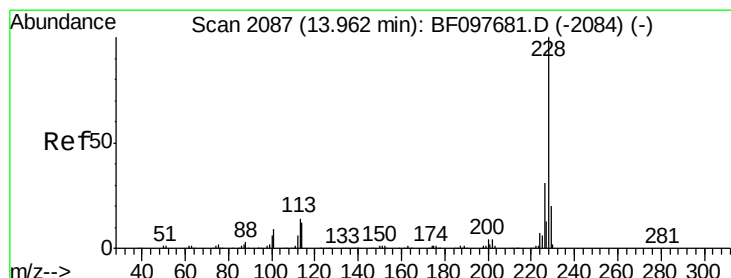
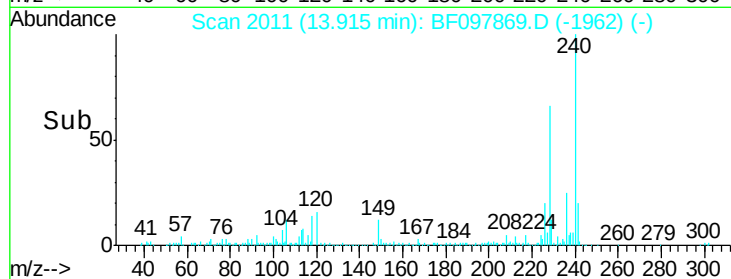
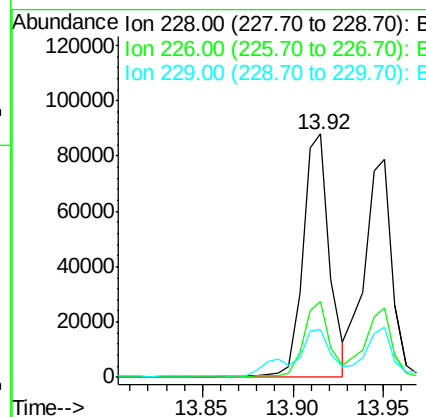
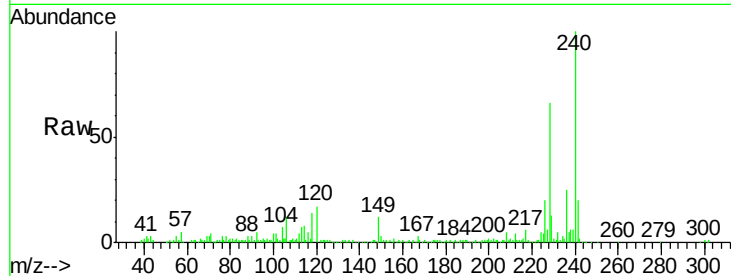




#80
Benzo(a)anthracene
Concen: 4.89 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF097869.D
Acq: 19 Aug 2017 8:52

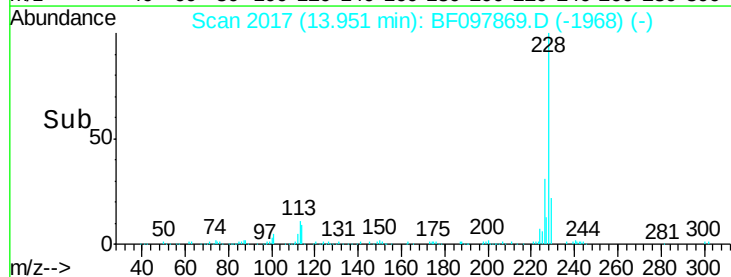
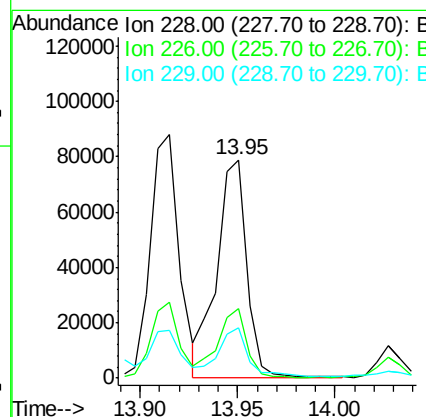
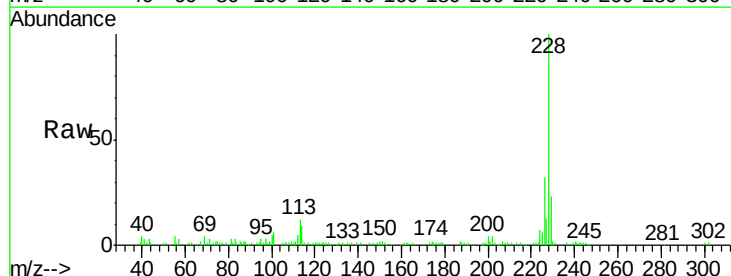
Instrument :
BNA_F
ClientSampleId :
E2-K10-ESW

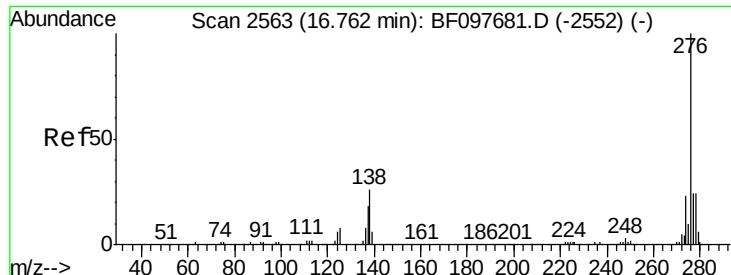
Tot Ion:228 Resp: 91442
Ion Ratio Lower Upper
228 100
226 31.1 22.6 33.8
229 19.4 16.3 24.5



#82
Chrysene
Concen: 4.54 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF097869.D
Acq: 19 Aug 2017 8:52

Tgt Ion:228 Resp: 84322
Ion Ratio Lower Upper
228 100
226 31.6 24.9 37.3
229 23.0 15.8 23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.59 ng

RT: 16.74 min Scan# 2492

Delta R.T. -0.02 min

Lab File: BF097869.D

Acq: 19 Aug 2017 8:52

Instrument :

BNA_F

ClientSampleId :

E2-K10-ESW

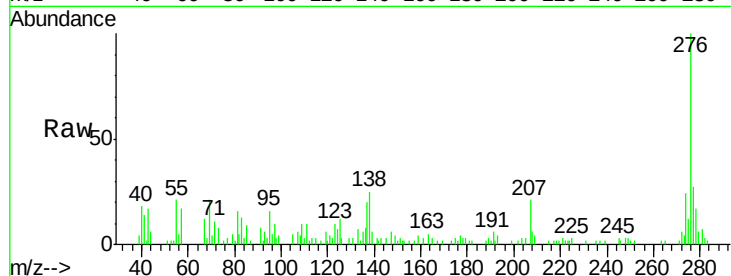
Tot Ion:276 Resp: 35488

Ion Ratio Lower Upper

276 100

138 22.9 27.8 41.6#

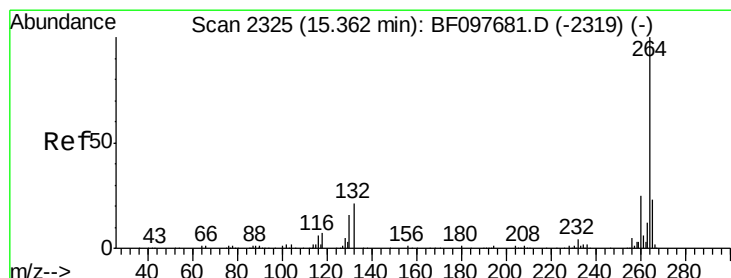
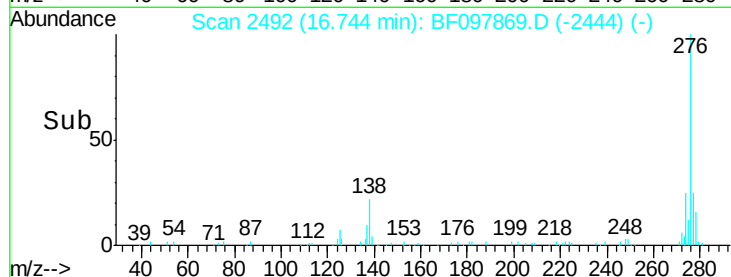
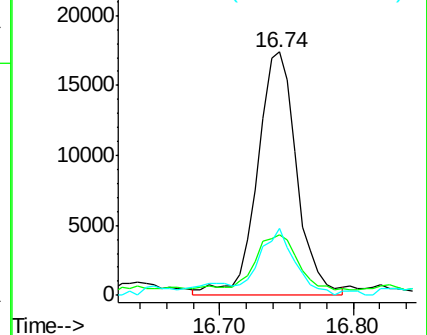
277 24.9 20.2 30.4



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: 15.36 min Scan# 2256

Delta R.T. -0.01 min

Lab File: BF097869.D

Acq: 19 Aug 2017 8:52

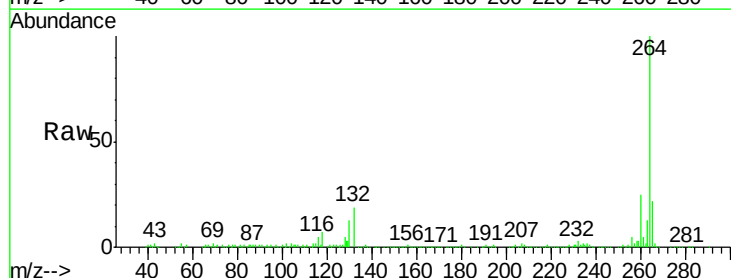
Tgt Ion:264 Resp: 257219

Ion Ratio Lower Upper

264 100

260 24.8 19.5 29.3

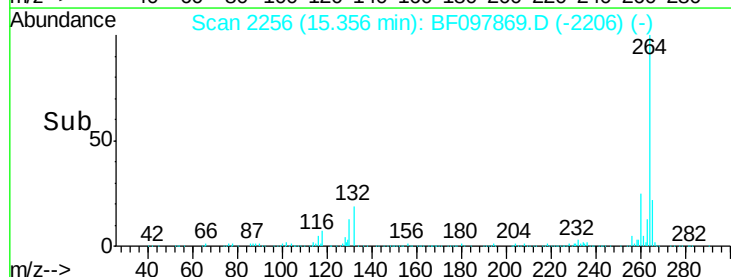
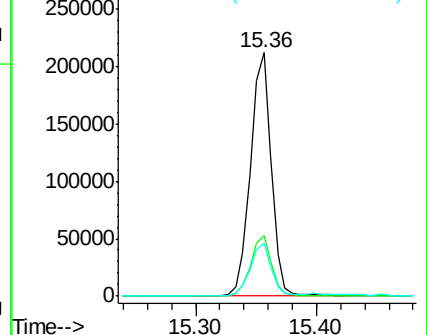
265 21.6 17.2 25.8

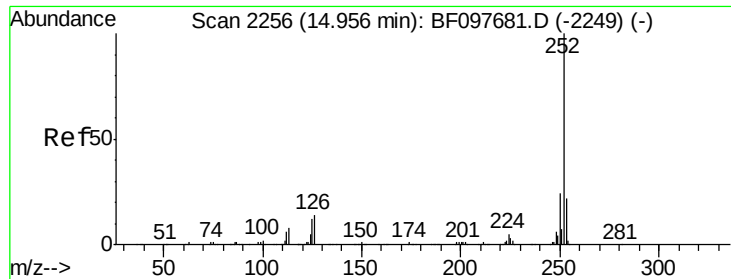


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

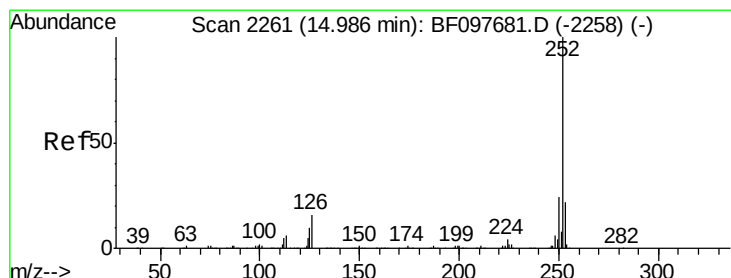
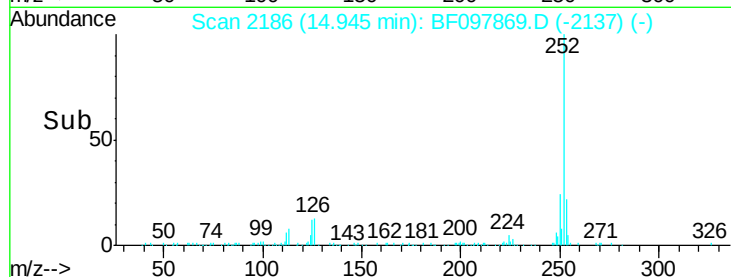
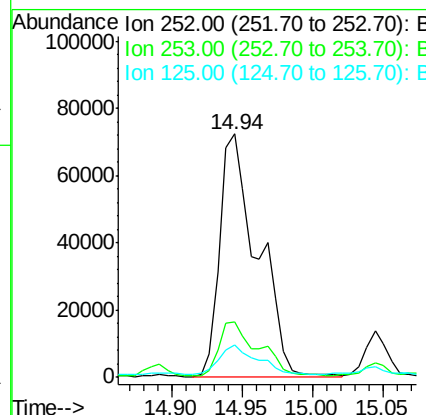
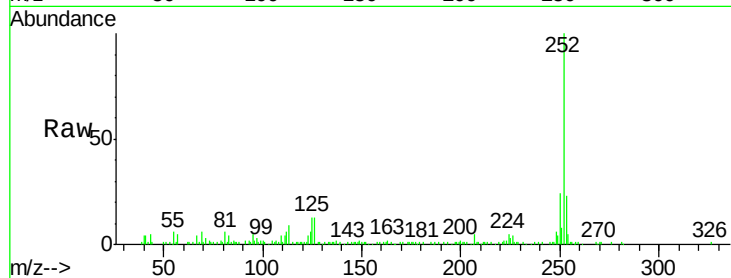




#87
Benzo(b)fluoranthene
Concen: 8.39 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF097869.D
Acq: 19 Aug 2017 8:52

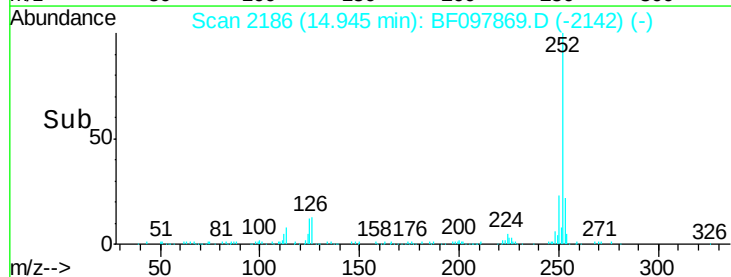
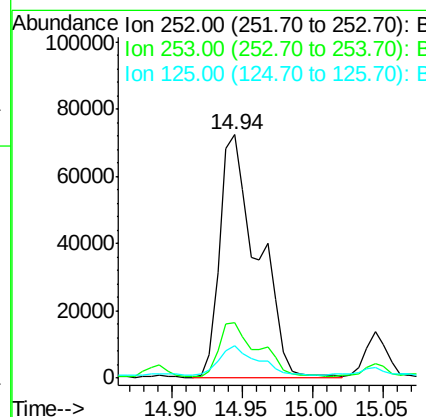
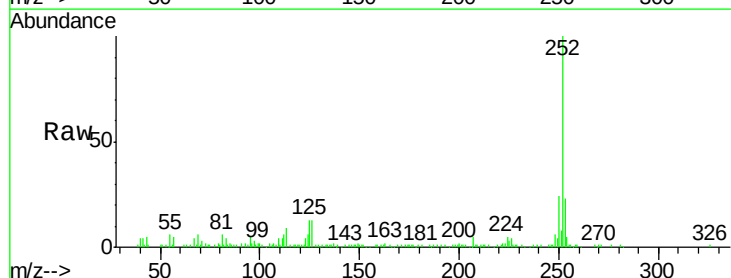
Instrument :
BNA_F
ClientSampleId :
E2-K10-ESW

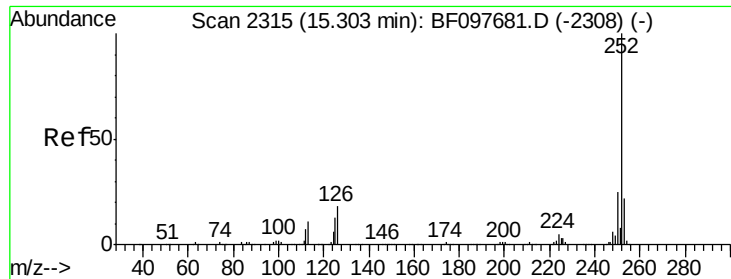
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	13.2	9.8	14.8



#88
Benzo(k)fluoranthene
Concen: 8.93 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.04 min
Lab File: BF097869.D
Acq: 19 Aug 2017 8:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	13.2	13.1	19.7





#89

Benzo(a)pyrene

Concen: 4.81 ng

RT: 15.29 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BF097869.D

Acq: 19 Aug 2017 8:52

Instrument :

BNA_F

ClientSampleId :

E2-K10-ESW

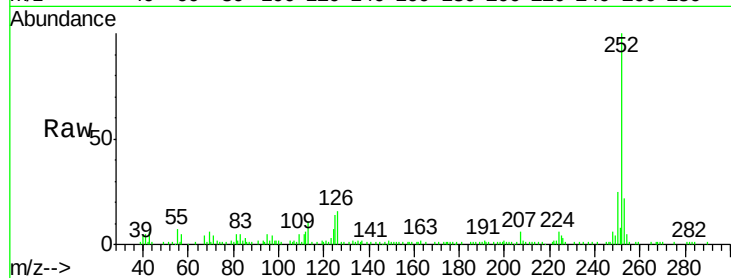
Tot Ion:252 Resp: 69058

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

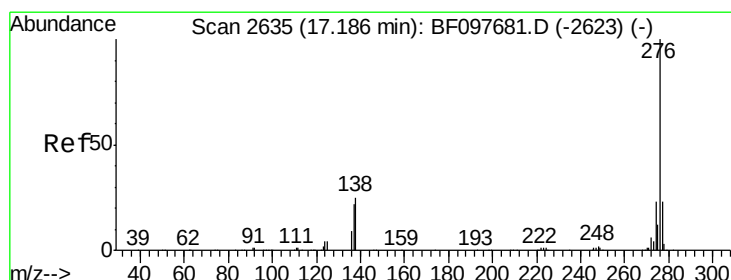
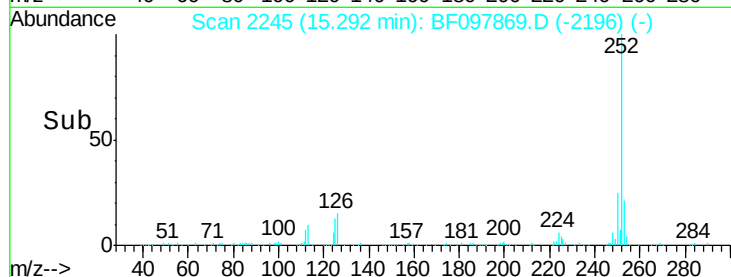
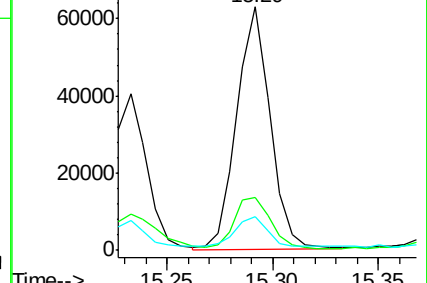
125 14.1 11.0 16.4



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: 2.66 ng

RT: 17.16 min Scan# 2563

Delta R.T. -0.02 min

Lab File: BF097869.D

Acq: 19 Aug 2017 8:52

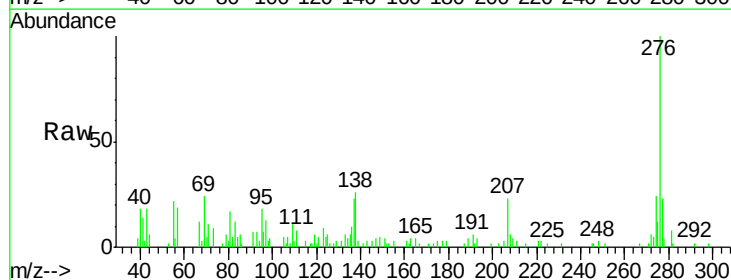
Tgt Ion:276 Resp: 32416

Ion Ratio Lower Upper

276 100

277 23.1 18.6 28.0

138 26.4 25.4 38.0



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

