

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
 Data File : BF097545.D
 Acq On : 10 Aug 2017 4:58
 Operator : SJ/JU
 Sample : I4677-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-D10-ESW

Quant Time: Aug 10 05:31:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

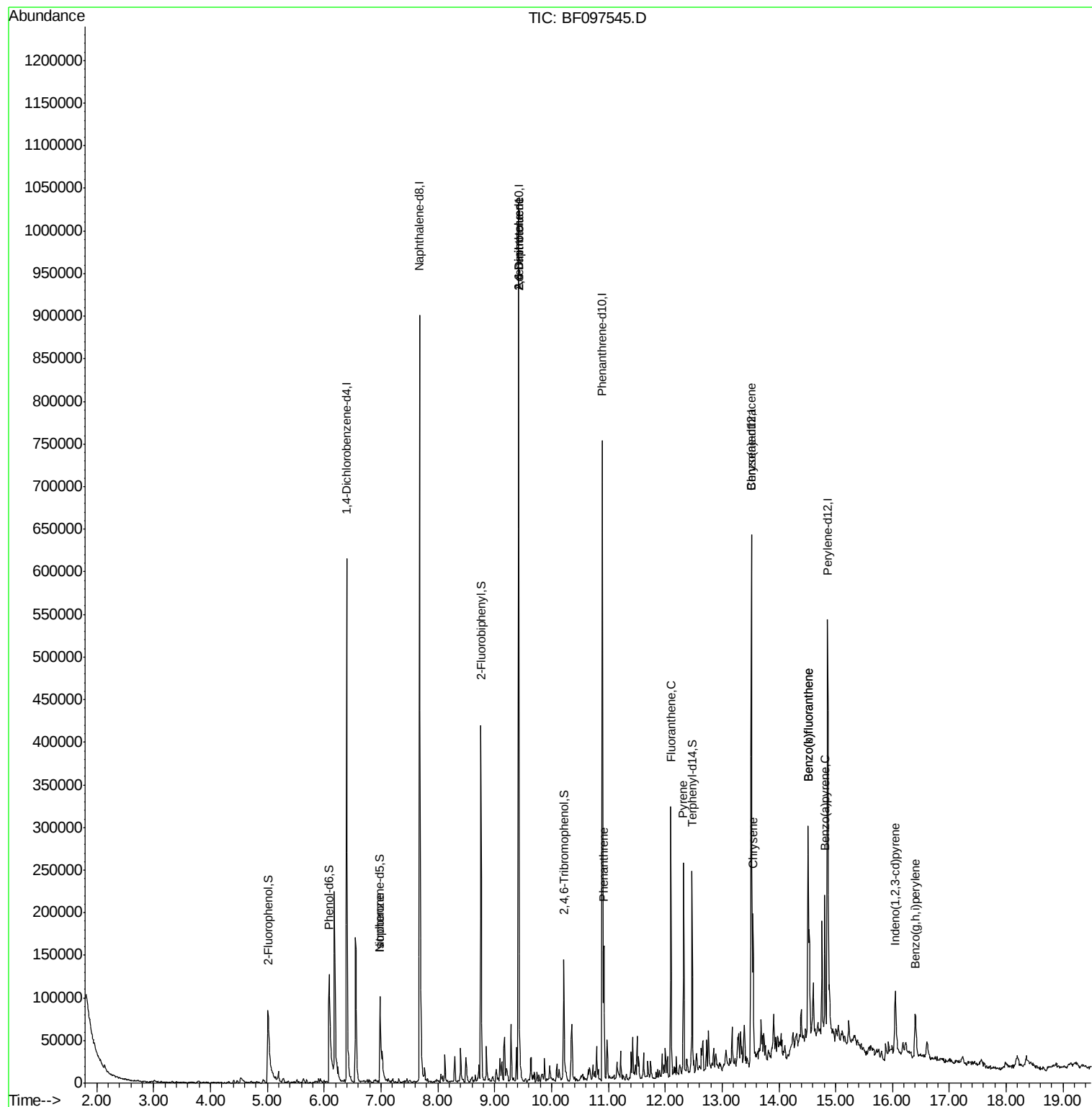
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	110045	20.00	ng	-0.01
21) Naphthalene-d8	7.68	136	442526	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	192992	20.00	ng	-0.02
63) Phenanthrene-d10	10.89	188	276023	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	180548	20.00	ng	-0.02
86) Perylene-d12	14.86	264	186374	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.01	112	62124	8.51	ng	0.00
7) Phenol-d6	6.09	99	99761	11.97	ng	0.00
23) Nitrobenzene-d5	6.98	82	59712	7.92	ng	-0.01
41) 2,4,6-Tribromophenol	10.22	330	15491	10.16	ng	-0.02
44) 2-Fluorobiphenyl	8.76	172	121209	10.66	ng	-0.02
78) Terphenyl-d14	12.47	244	64264	7.26	ng	-0.02
Target Compounds						
25) Isophorone	6.98	82	59712	4.04	ng	# 67
50) 2,6-Dinitrotoluene	9.42	165	24100	7.75	ng	# 34
56) 2,4-Dinitrotoluene	9.42	165	24100	6.74	ng	# 33
70) Phenanthrene	10.92	178	65908	4.46	ng	97
74) Fluoranthene	12.10	202	130142	8.98	ng	96
77) Pyrene	12.33	202	100703	6.81	ng	99
80) Benzo(a)anthracene	13.51	228	56326	4.82	ng	94
82) Chrysene	13.54	228	61024	5.35	ng	96
85) Indeno(1,2,3-cd)pyrene	16.05	276	39372	4.03	ng	99
87) Benzo(b)fluoranthene	14.52	252	143093	12.77	ng	# 96
88) Benzo(k)fluoranthene	14.52	252	143093	13.40	ng	97
89) Benzo(a)pyrene	14.81	252	62154	6.06	ng	97
91) Benzo(a,h,i)perylene	16.40	276	34046	3.86	ng	91

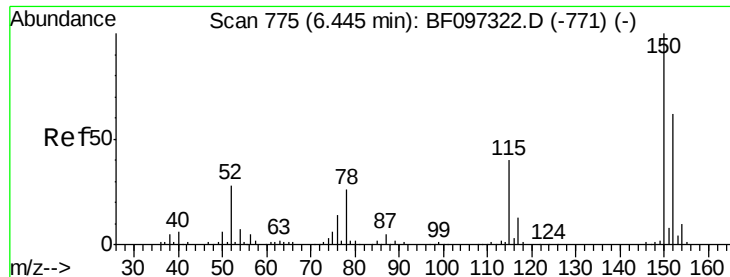
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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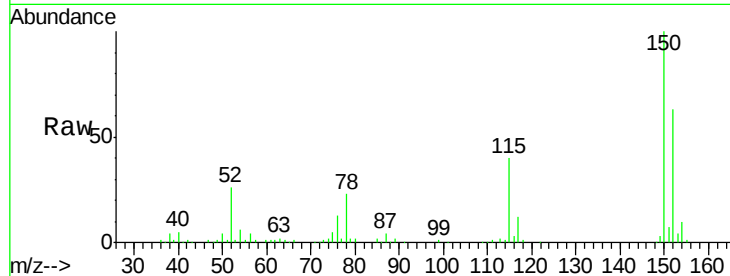


#1

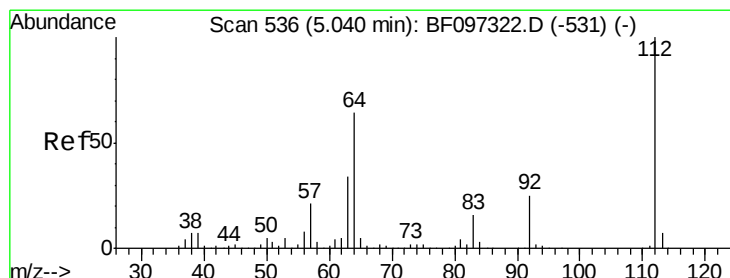
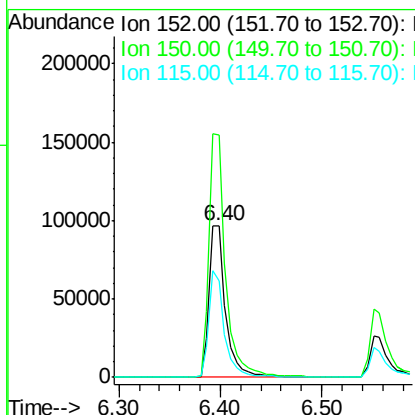
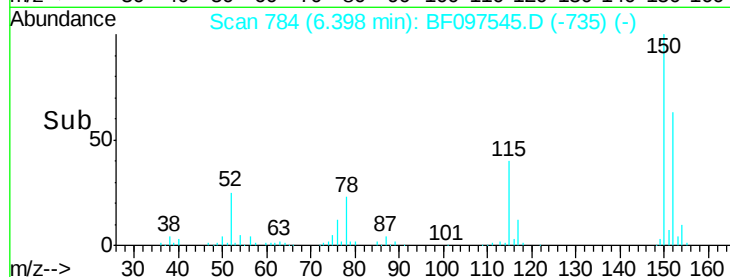
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.40 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF097545.D
Acq: 10 Aug 2017 4:58

Instrument :
BNA_F
ClientSampleId :
E2-D10-ESW

Tot Ion:152 Resp: 110045
Ion Ratio Lower Upper
152 100
150 159.9 126.2 189.2
115 63.2 52.2 78.2



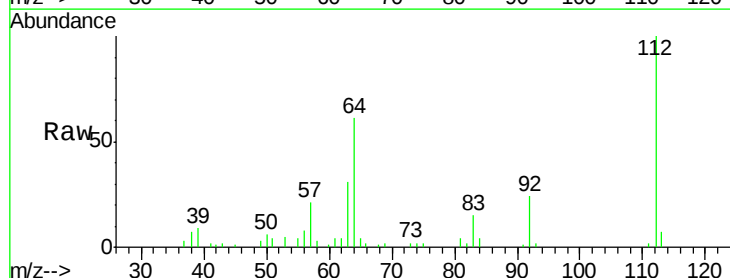
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



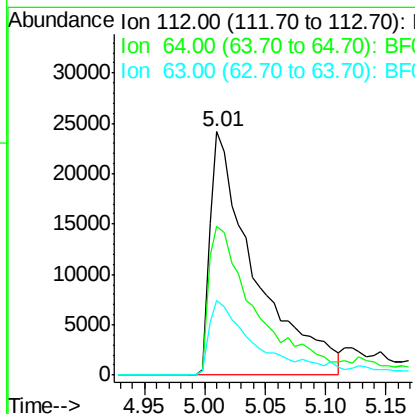
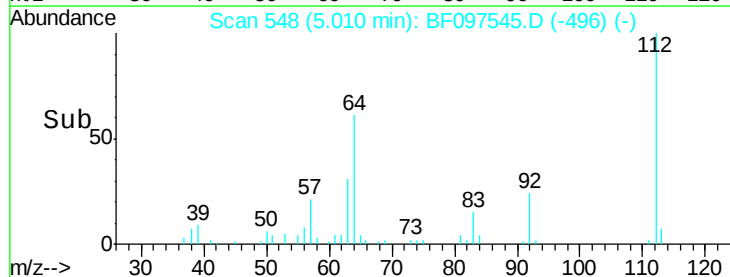
#5

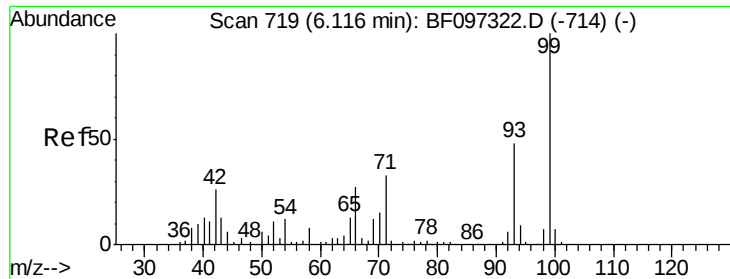
2-Fluorophenol
Concen: 8.51 ng
RT: 5.01 min Scan# 548
Delta R.T. 0.01 min
Lab File: BF097545.D
Acq: 10 Aug 2017 4:58

Tgt Ion:112 Resp: 62124
Ion Ratio Lower Upper
112 100
64 61.1 46.0 69.0
63 30.5 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: 11.97 ng

RT: 6.09 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF097545.D

Acq: 10 Aug 2017 4:58

Instrument :

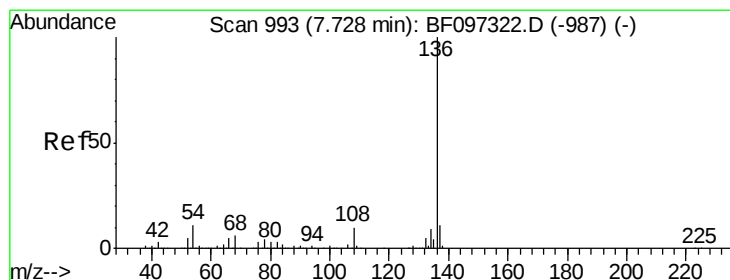
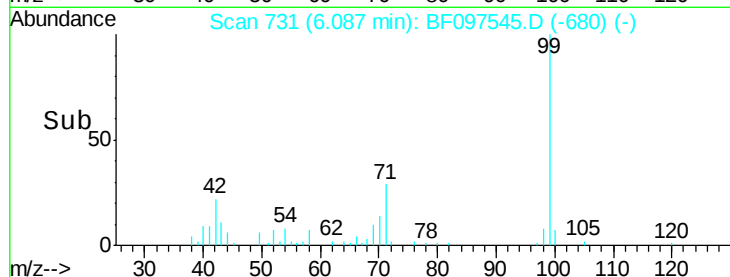
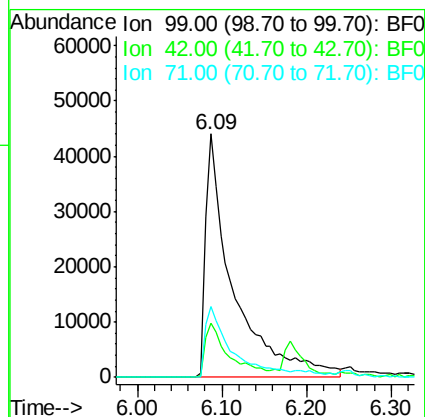
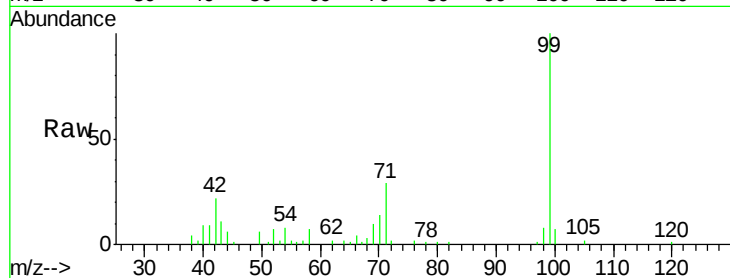
BNA_F

ClientSampleId :

E2-D10-ESW

Tot Ion: 99 Resp: 99761

Ion	Ratio	Lower	Upper
99	100		
42	22.4	13.5	20.3#
71	28.8	24.5	36.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.68 min Scan# 1002

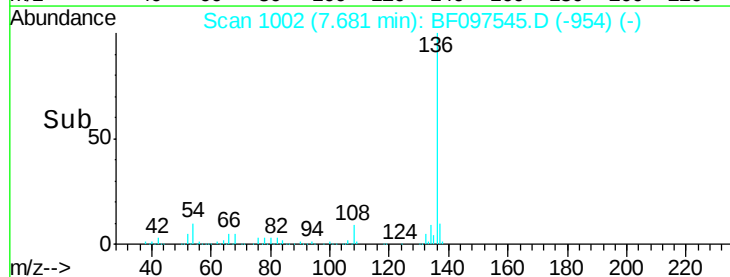
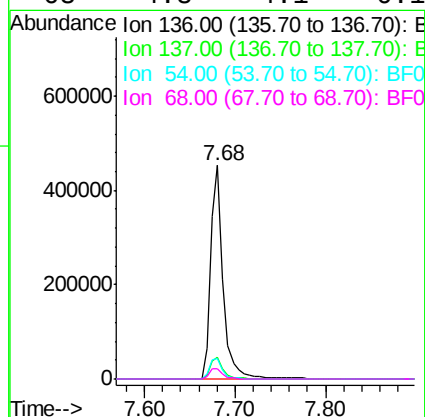
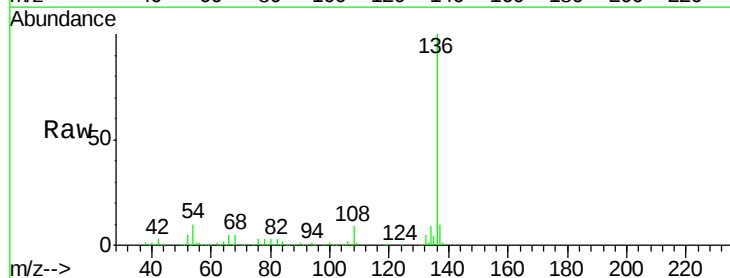
Delta R.T. -0.02 min

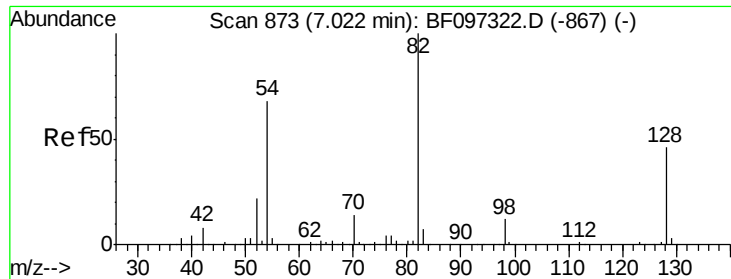
Lab File: BF097545.D

Acq: 10 Aug 2017 4:58

Tgt Ion: 136 Resp: 442526

Ion	Ratio	Lower	Upper
136	100		
137	10.0	8.5	12.7
54	9.8	4.9	7.3#
68	4.8	4.1	6.1

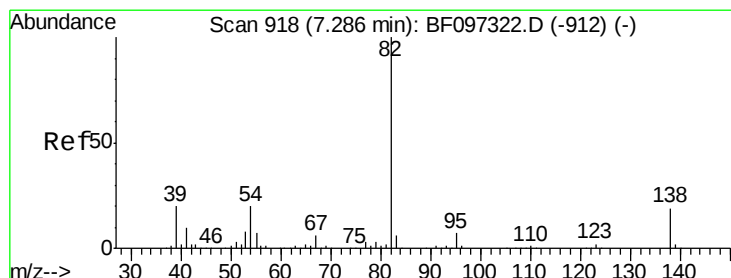
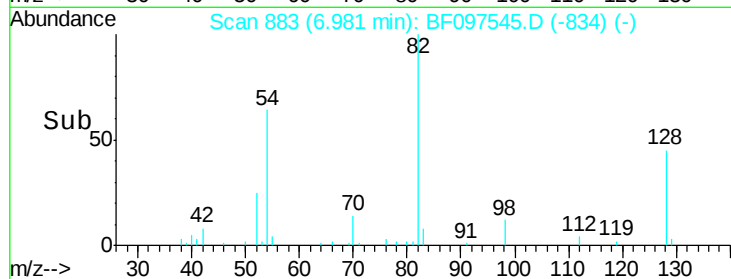
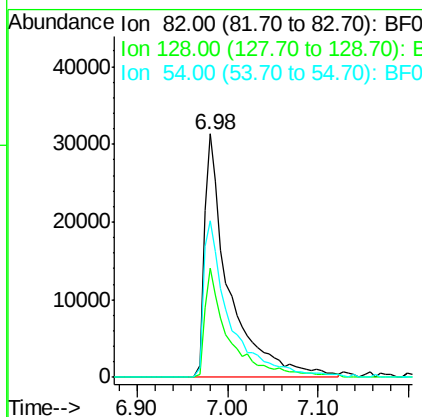
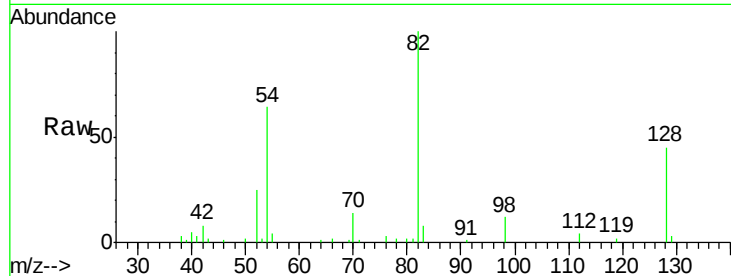




#23
 Nitrobenzene-d5
 Concen: 7.92 ng
 RT: 6.98 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF097545.D
 Acq: 10 Aug 2017 4:58

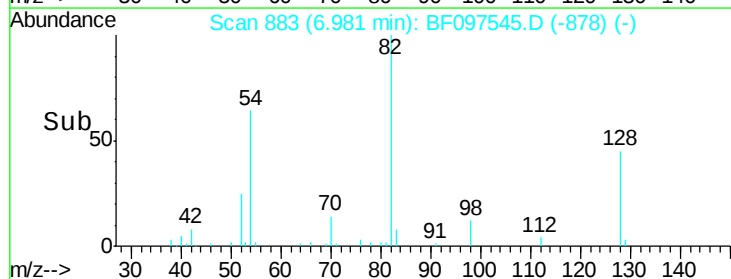
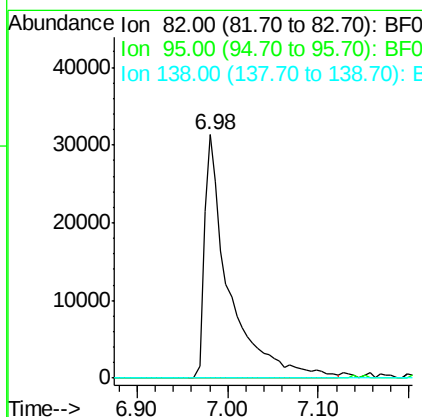
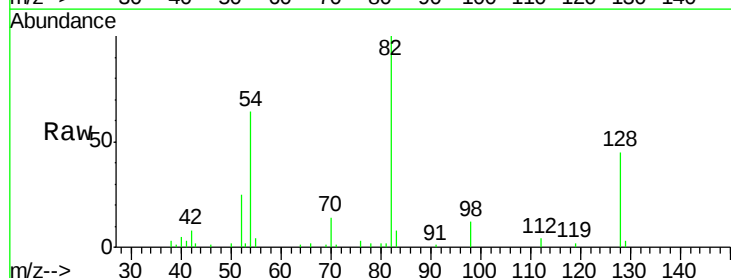
Instrument :
 BNA_F
 ClientSampleId :
 E2-D10-ESW

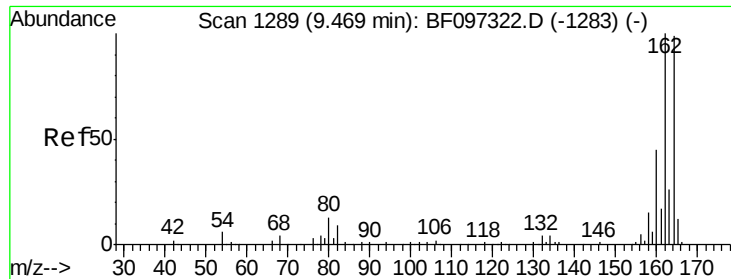
Tot Ion	82	Resp	59712
Ion Ratio	Lower	Upper	
82	100		
128	45.0	34.0	51.0
54	64.1	42.2	63.2#



#25
 Isophorone
 Concen: 4.04 ng
 RT: 6.98 min Scan# 883
 Delta R.T. -0.27 min
 Lab File: BF097545.D
 Acq: 10 Aug 2017 4:58

Tgt Ion	82	Resp	59712
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.42 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BF097545.D

Acq: 10 Aug 2017 4:58

Instrument :

BNA_F

ClientSampleId :

E2-D10-ESW

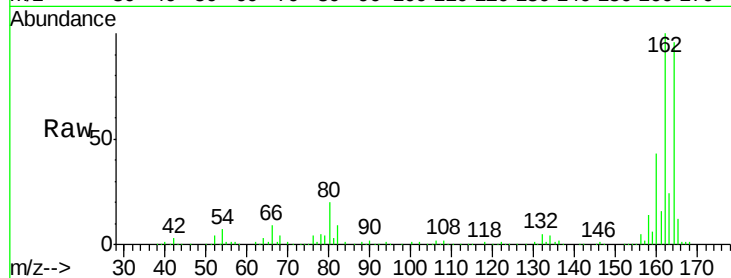
Tot Ion:164 Resp: 192992

Ion Ratio Lower Upper

164 100

162 104.5 82.6 123.8

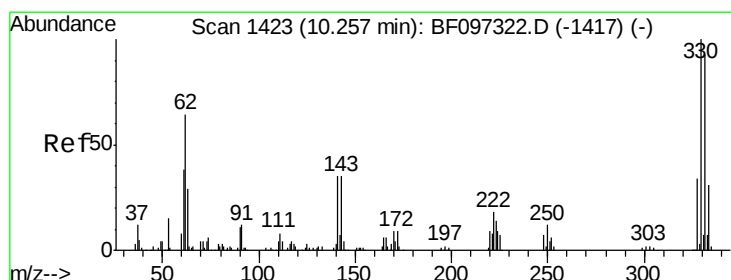
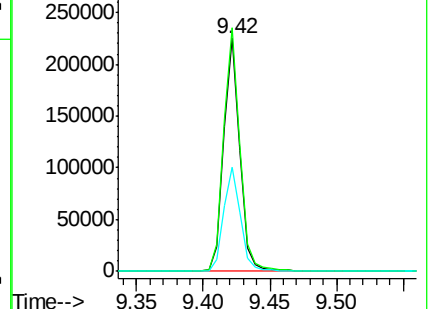
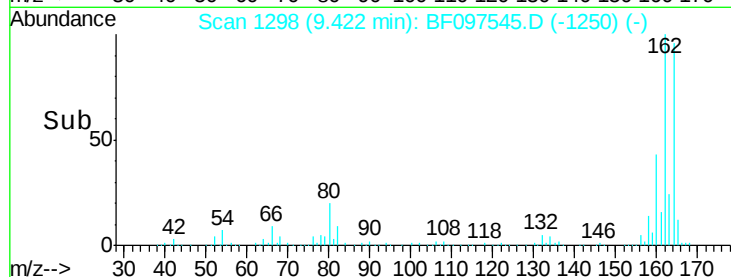
160 44.5 36.2 54.2



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: 10.16 ng

RT: 10.22 min Scan# 1433

Delta R.T. -0.02 min

Lab File: BF097545.D

Acq: 10 Aug 2017 4:58

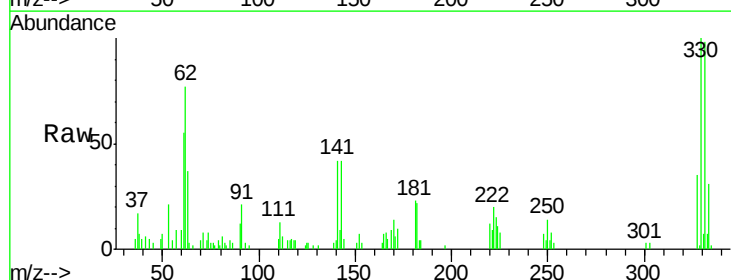
Tgt Ion:330 Resp: 15491

Ion Ratio Lower Upper

330 100

332 96.7 76.6 115.0

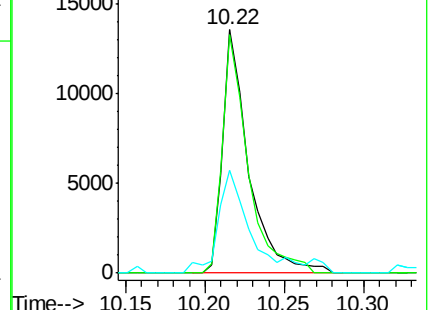
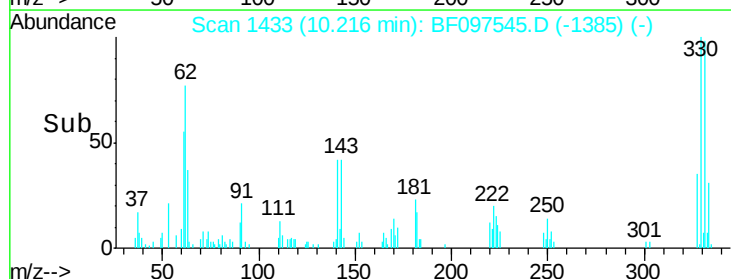
141 51.5 31.4 47.2#

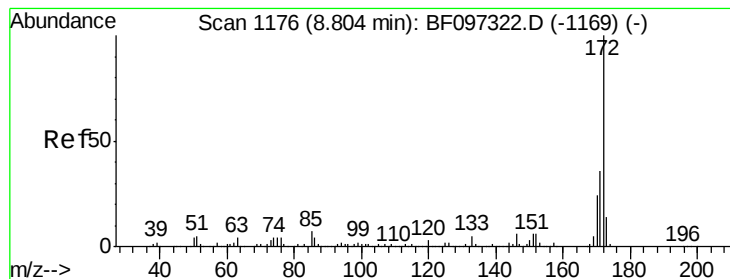


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 10.66 ng

RT: 8.76 min Scan# 1185

Delta R.T. -0.02 min

Lab File: BF097545.D

Acq: 10 Aug 2017 4:58

Instrument :

BNA_F

ClientSampleId :

E2-D10-ESW

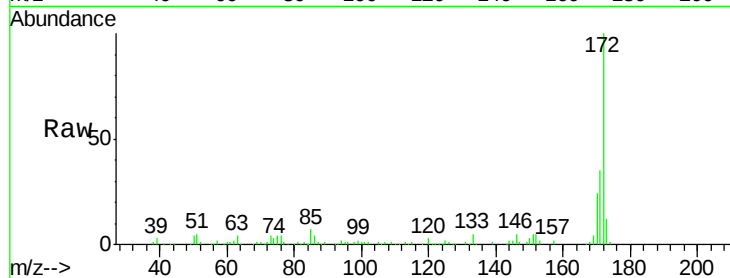
Tot Ion:172 Resp: 121209

Ion Ratio Lower Upper

172 100

171 34.9 29.6 44.4

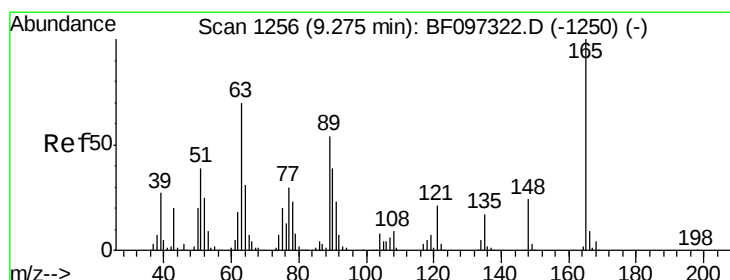
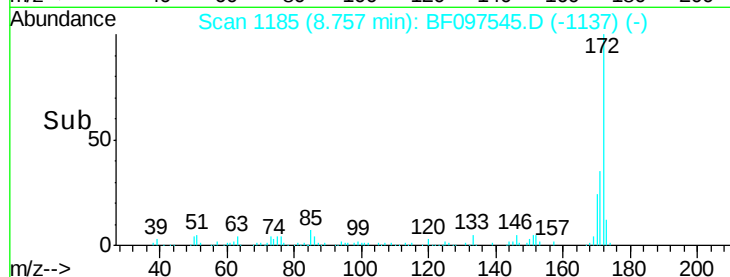
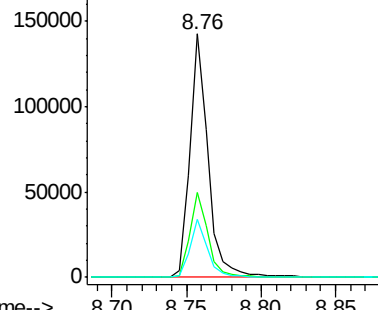
170 24.1 19.8 29.8



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



#50

2,6-Dinitrotoluene

Concen: 7.75 ng

RT: 9.42 min Scan# 1298

Delta R.T. 0.17 min

Lab File: BF097545.D

Acq: 10 Aug 2017 4:58

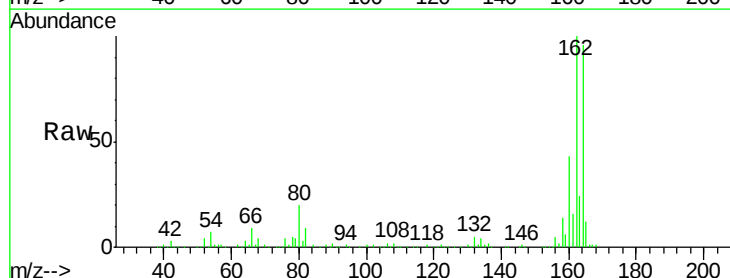
Tgt Ion:165 Resp: 24100

Ion Ratio Lower Upper

165 100

63 1.7 34.3 51.5#

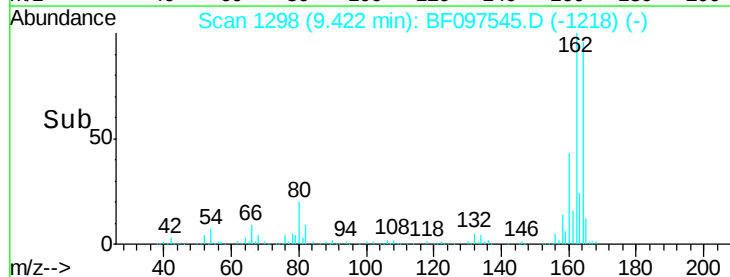
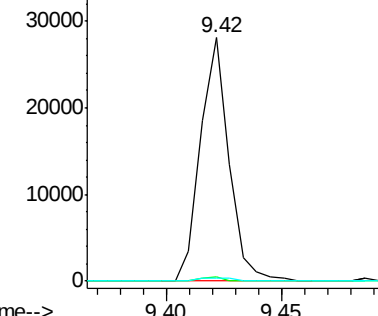
89 1.4 37.1 55.7#

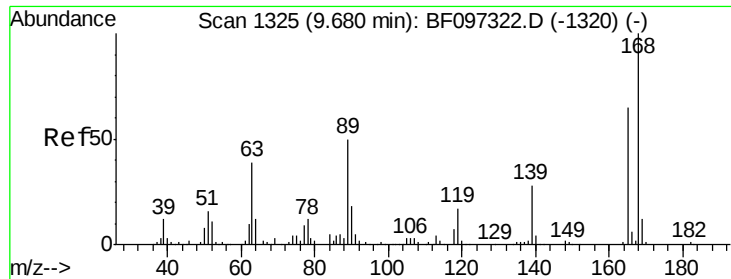


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

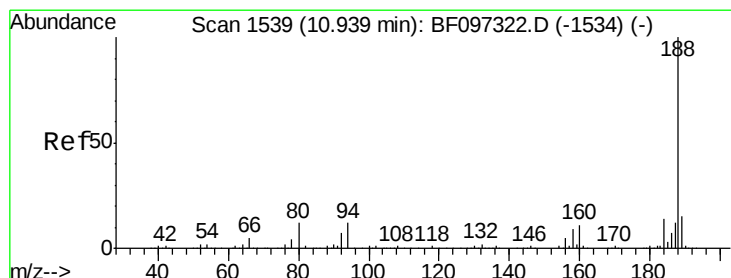
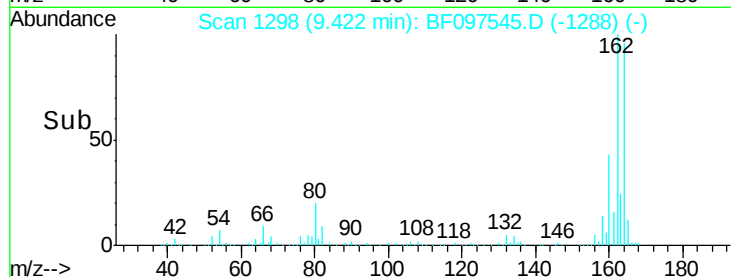
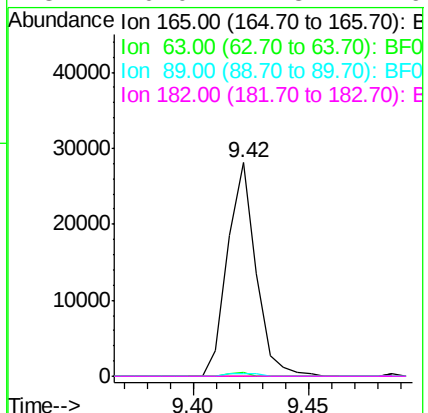
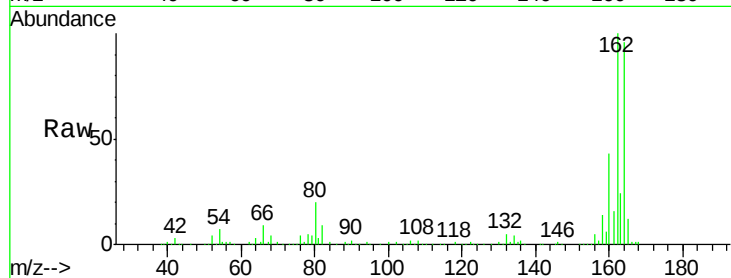




#56
 2,4-Dinitrotoluene
 Concen: 6.74 ng
 RT: 9.42 min Scan# 1298
 Delta R.T. -0.24 min
 Lab File: BF097545.D
 Acq: 10 Aug 2017 4:58

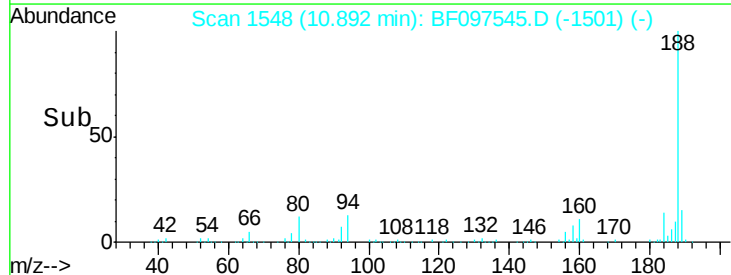
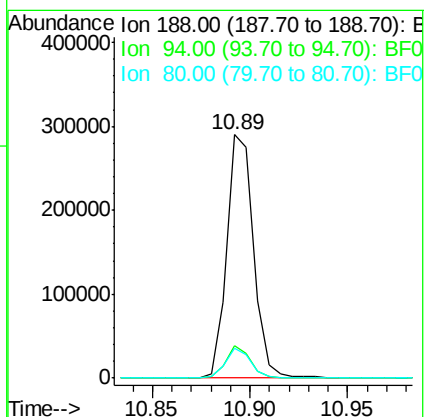
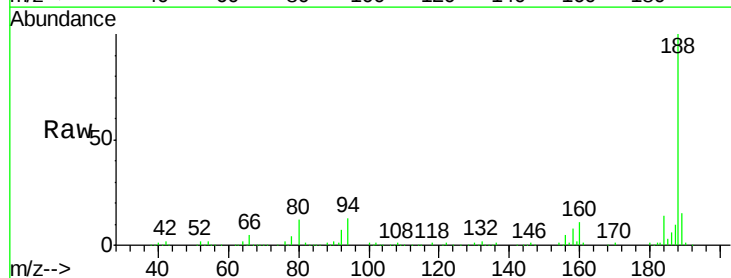
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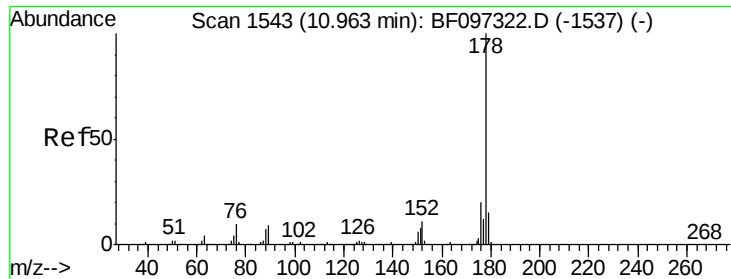
Tot Ion:	165	Resp:	24100
Ion Ratio	Lower	Upper	
165	100		
63	1.7	25.4	38.0#
89	1.4	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.89 min Scan# 1548
 Delta R.T. -0.02 min
 Lab File: BF097545.D
 Acq: 10 Aug 2017 4:58

Tgt Ion:	188	Resp:	276023
Ion Ratio	Lower	Upper	
188	100		
94	13.3	9.4	14.2
80	12.5	10.2	15.2





#70

Phenanthrene

Concen: 4.46 ng

RT: 10.92 min Scan# 1553

Delta R.T. -0.02 min

Lab File: BF097545.D

Acq: 10 Aug 2017 4:58

Instrument :

BNA_F

ClientSampleId :

E2-D10-ESW

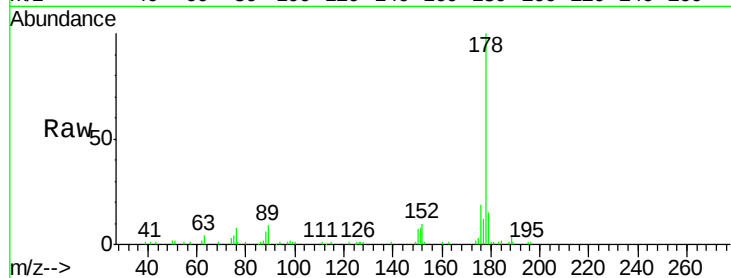
Tot Ion:178 Resp: 65908

Ion Ratio Lower Upper

178 100

176 18.8 16.2 24.4

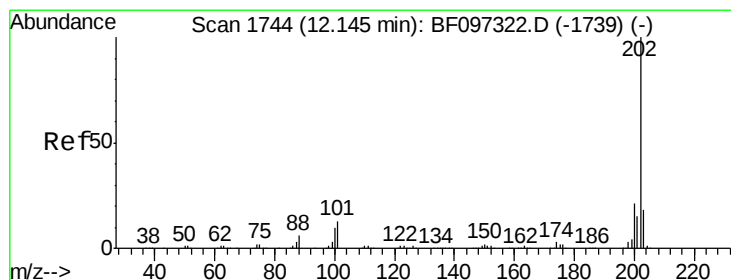
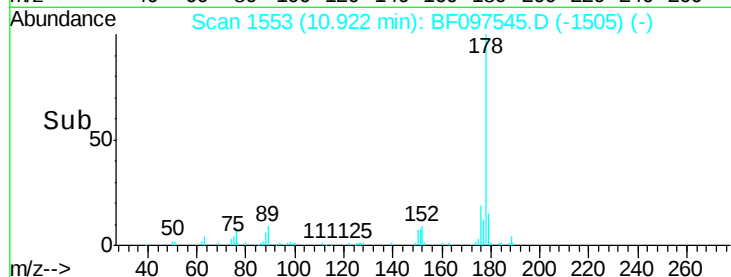
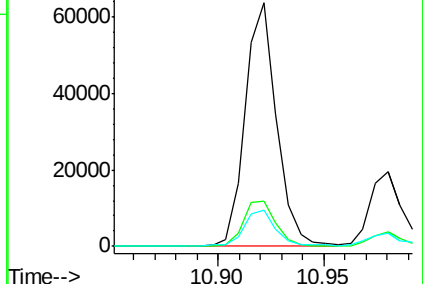
179 14.9 12.6 19.0



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



#74

Fluoranthene

Concen: 8.98 ng

RT: 12.10 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF097545.D

Acq: 10 Aug 2017 4:58

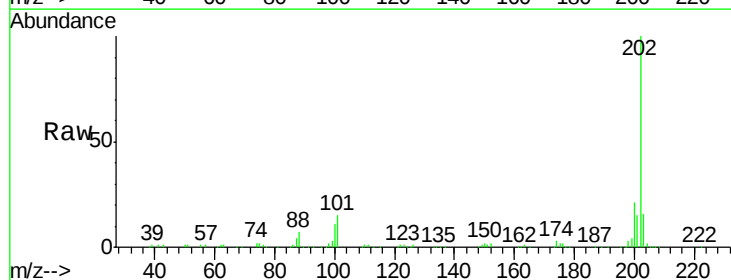
Tgt Ion:202 Resp: 130142

Ion Ratio Lower Upper

202 100

101 15.0 0.0 33.2

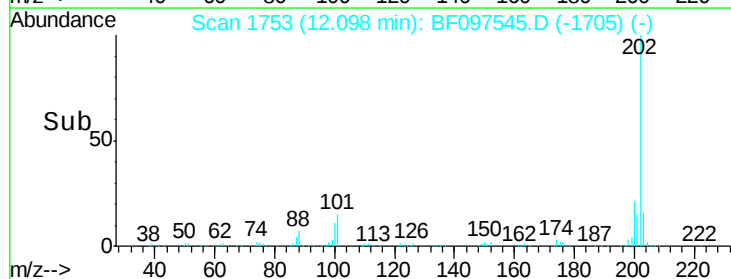
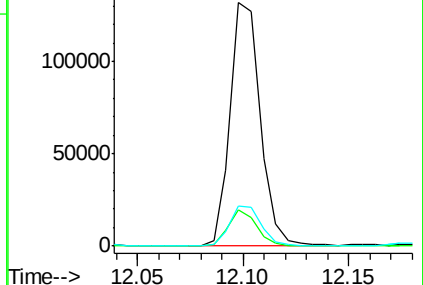
203 16.4 0.0 38.1

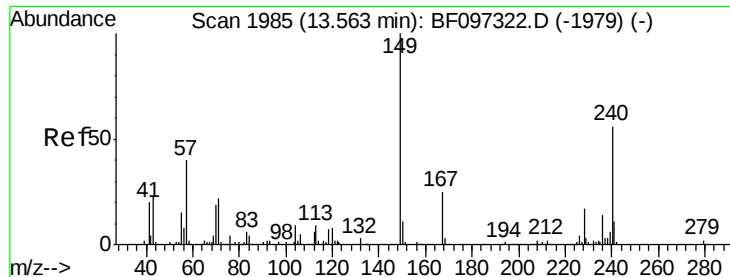


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.52 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF097545.D

Acq: 10 Aug 2017 4:58

Instrument :

BNA_F

ClientSampleId :

E2-D10-ESW

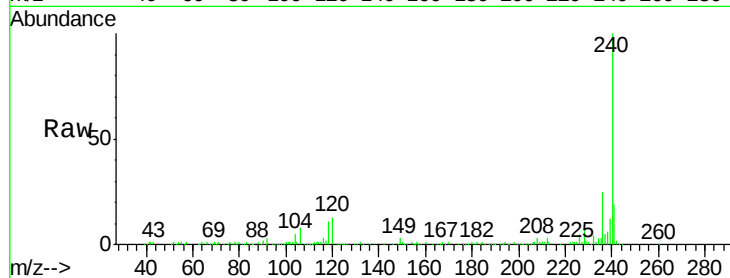
Tot Ion:240 Resp: 180548

Ion Ratio Lower Upper

240 100

120 13.5 5.8 8.8#

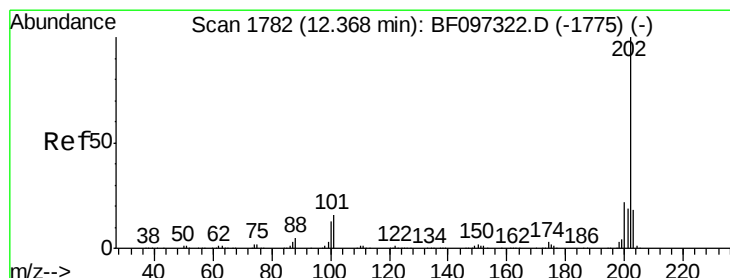
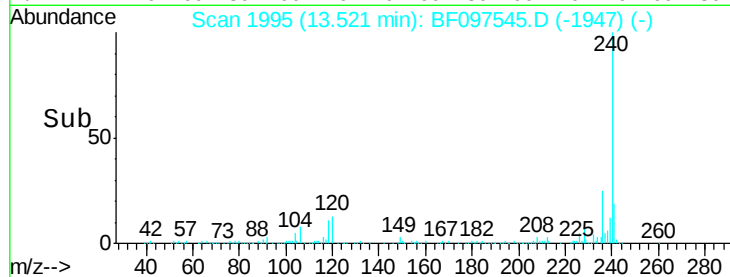
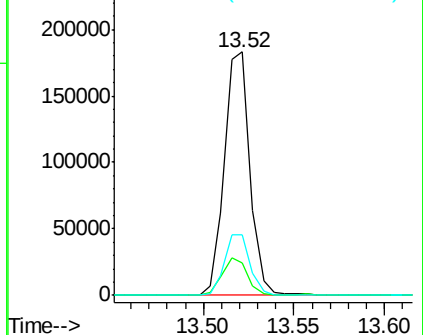
236 25.1 20.5 30.7



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

Pyrene

Concen: 6.81 ng

RT: 12.33 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF097545.D

Acq: 10 Aug 2017 4:58

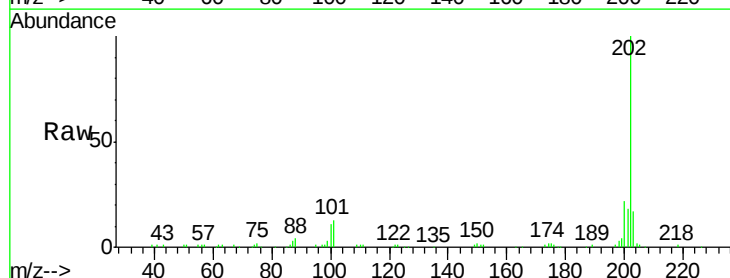
Tgt Ion:202 Resp: 100703

Ion Ratio Lower Upper

202 100

200 22.0 17.6 26.4

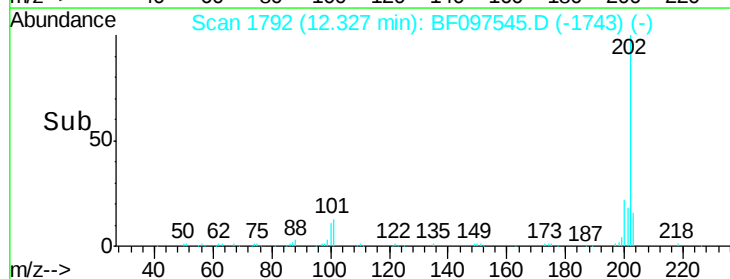
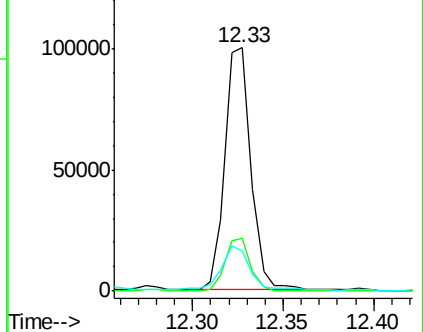
203 16.7 14.4 21.6

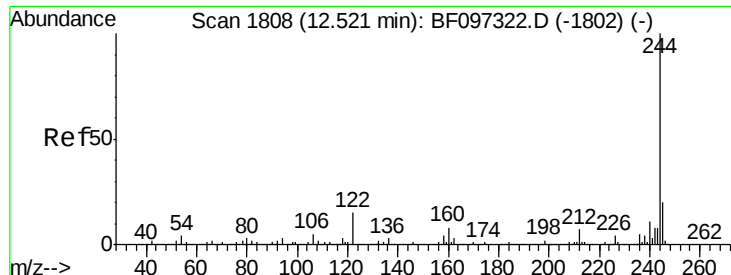


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 7.26 ng

RT: 12.47 min Scan# 1817

Delta R.T. -0.02 min

Lab File: BF097545.D

Acq: 10 Aug 2017 4:58

Instrument :

BNA_F

ClientSampleId :

E2-D10-ESW

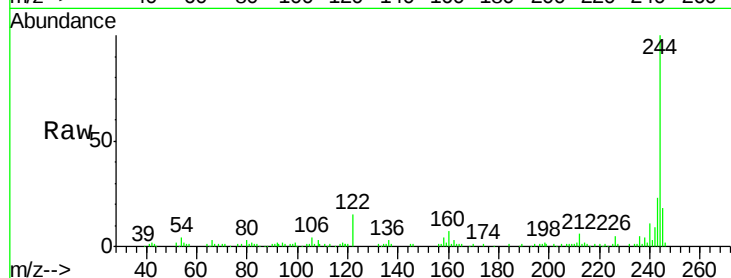
Tot Ion:244 Resp: 64264

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

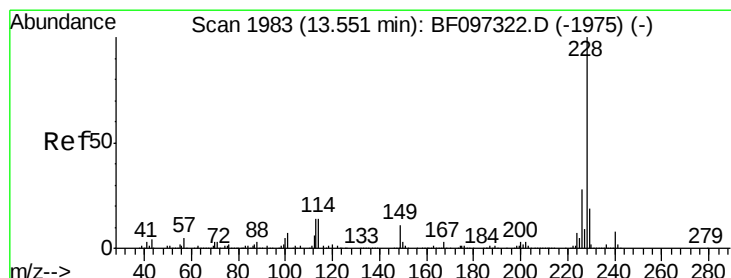
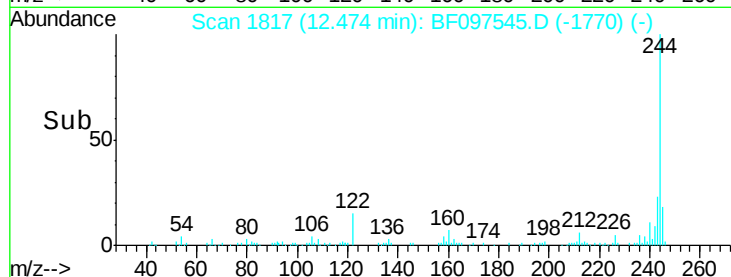
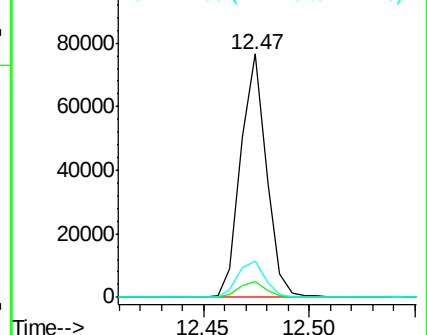
122 14.9 10.3 15.5



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: 4.82 ng

RT: 13.51 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF097545.D

Acq: 10 Aug 2017 4:58

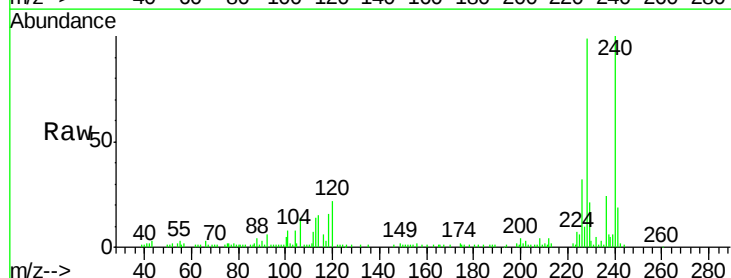
Tgt Ion:228 Resp: 56326

Ion Ratio Lower Upper

228 100

226 32.8 22.6 33.8

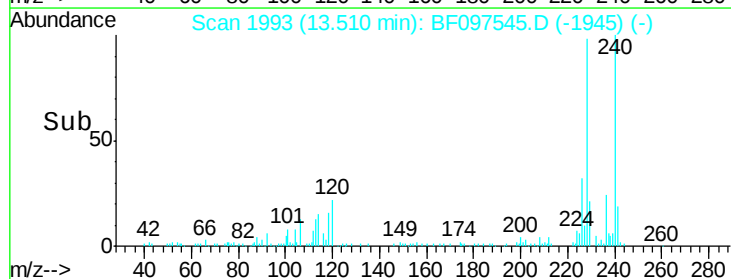
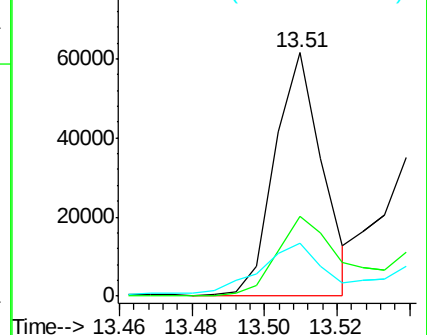
229 21.7 16.3 24.5

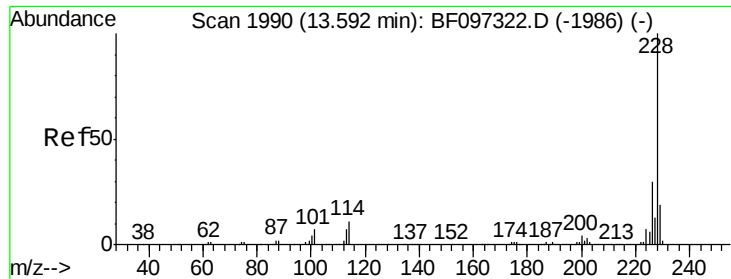


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.35 ng

RT: 13.54 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BF097545.D

Acq: 10 Aug 2017 4:58

Instrument :

BNA_F

ClientSampleId :

E2-D10-ESW

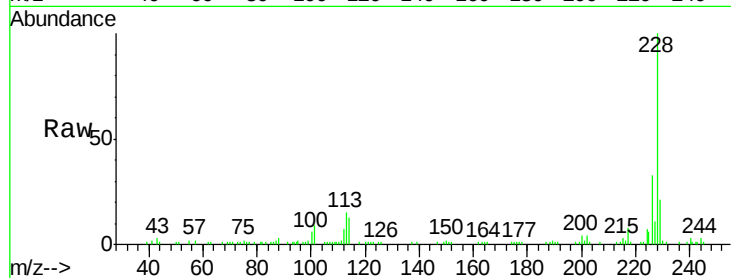
Tot Ion:228 Resp: 61024

Ion Ratio Lower Upper

228 100

226 33.1 24.9 37.3

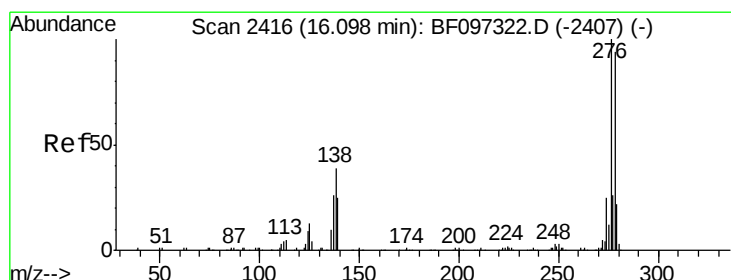
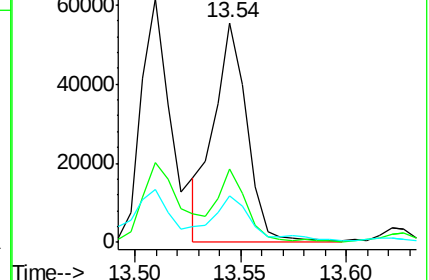
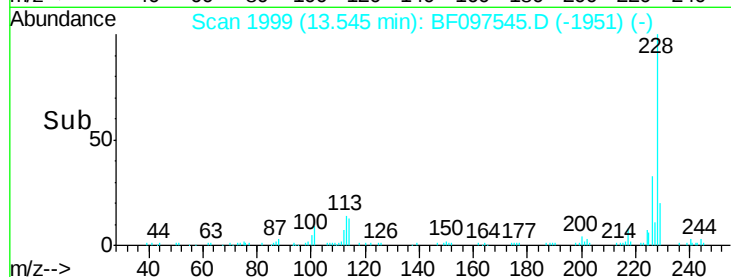
229 21.3 15.8 23.6



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: 4.03 ng

RT: 16.05 min Scan# 2425

Delta R.T. -0.01 min

Lab File: BF097545.D

Acq: 10 Aug 2017 4:58

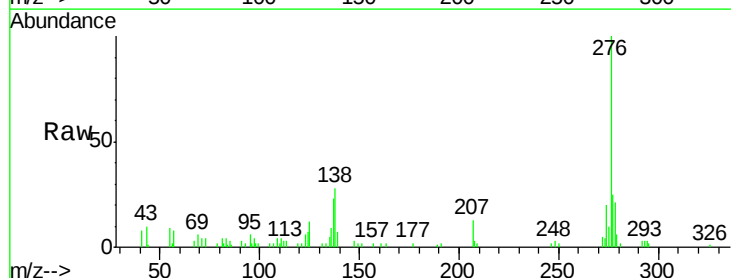
Tgt Ion:276 Resp: 39372

Ion Ratio Lower Upper

276 100

138 36.0 27.8 41.6

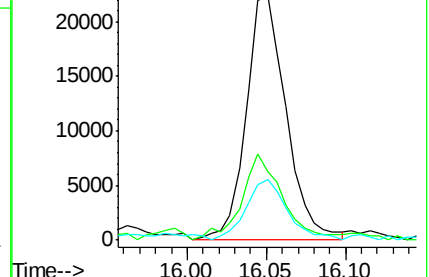
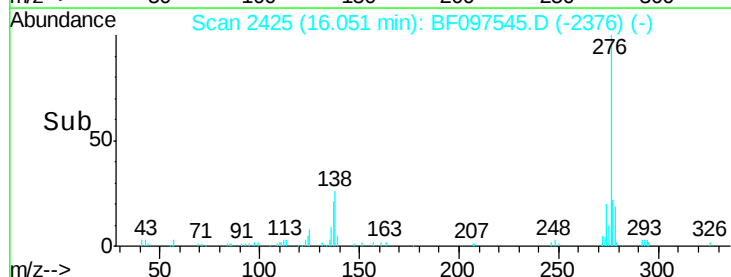
277 25.4 20.2 30.4

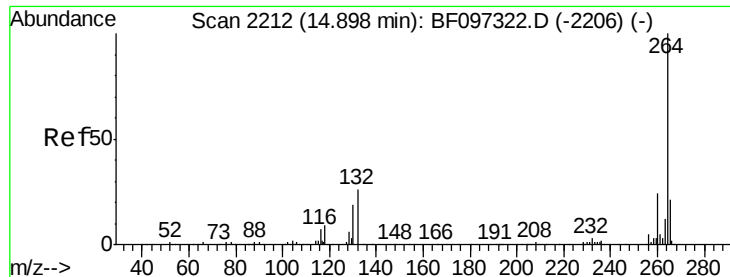


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

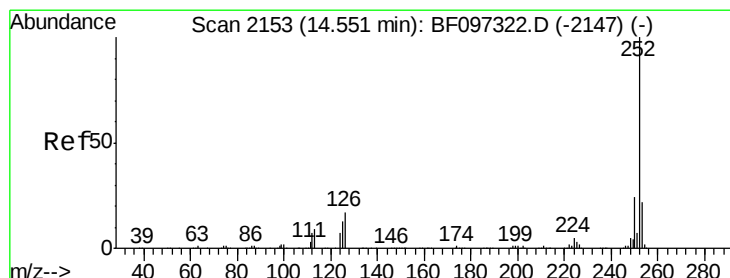
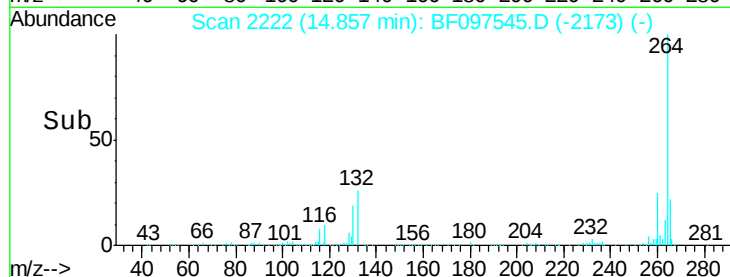
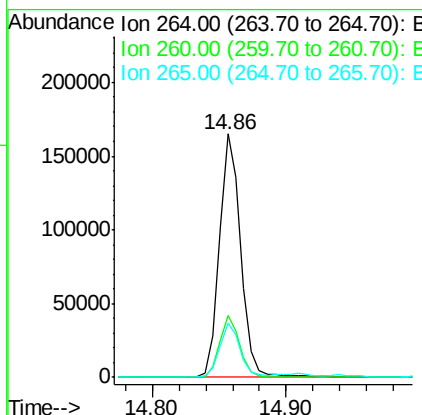
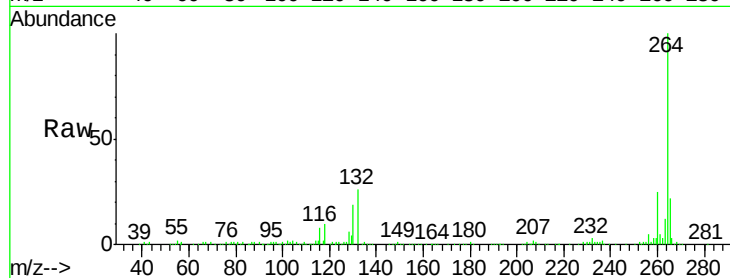




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.86 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF097545.D
Acq: 10 Aug 2017 4:58

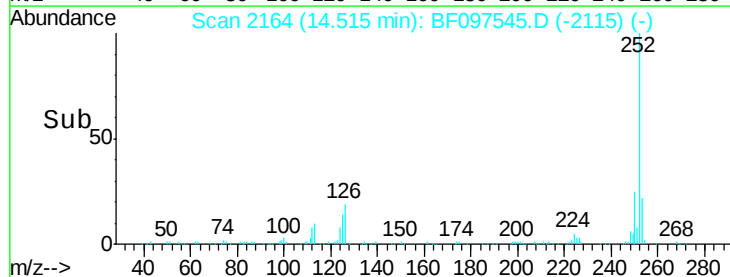
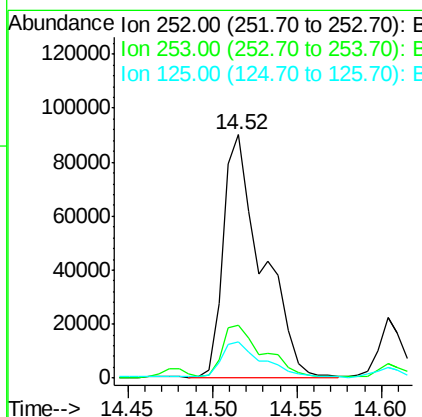
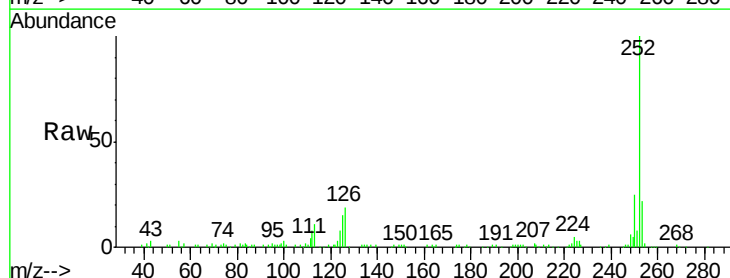
Instrument :
BNA_F
ClientSampleId :
E2-D10-ESW

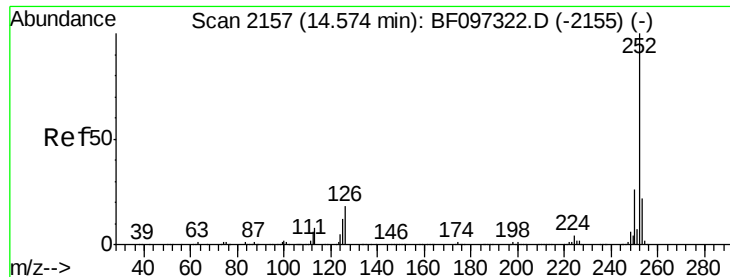
Tot Ion:264 Resp: 186374
Ion Ratio Lower Upper
264 100
260 25.5 19.5 29.3
265 22.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 12.77 ng
RT: 14.52 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF097545.D
Acq: 10 Aug 2017 4:58

Tgt Ion:252 Resp: 143093
Ion Ratio Lower Upper
252 100
253 21.5 18.1 27.1
125 14.8 9.8 14.8#

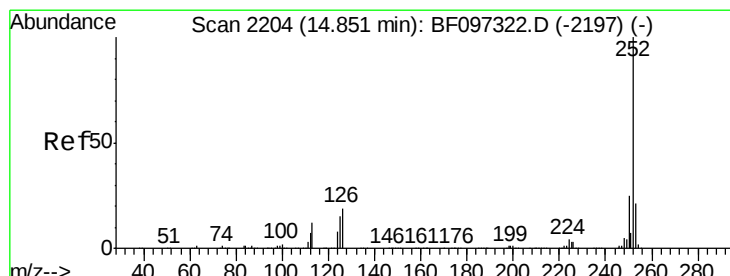
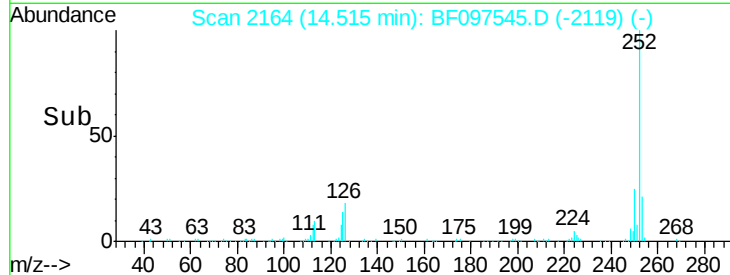
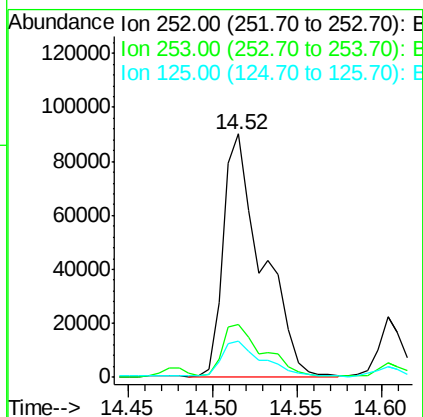
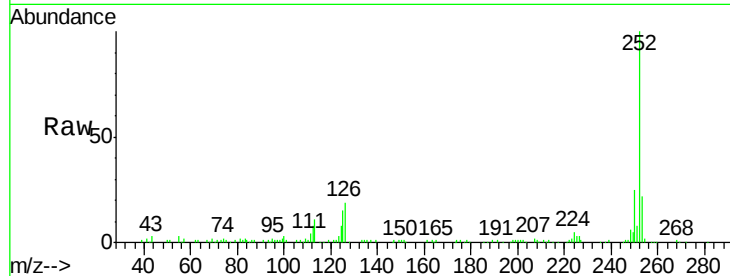




#88
Benzo(k)fluoranthene
Concen: 13.40 ng
RT: 14.52 min Scan# 2164
Delta R.T. -0.04 min
Lab File: BF097545.D
Acq: 10 Aug 2017 4:58

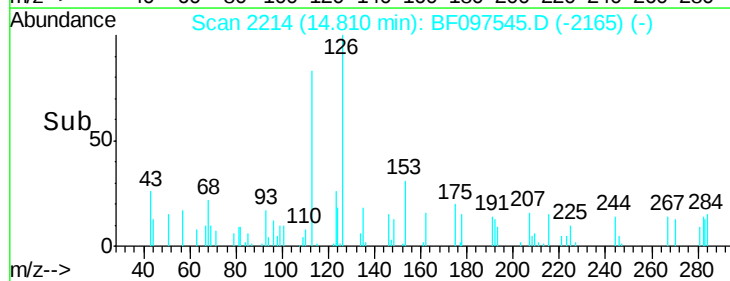
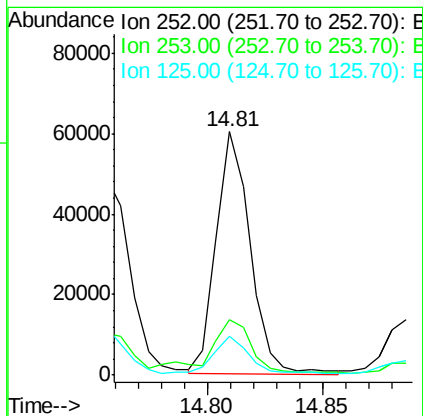
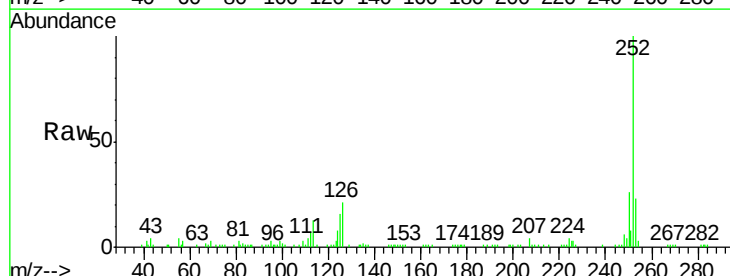
Instrument :
BNA_F
ClientSampleId :
E2-D10-ESW

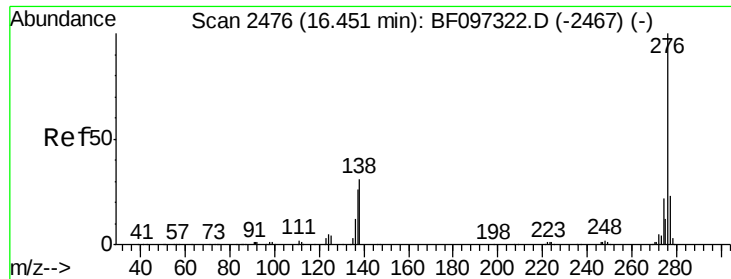
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.4	27.6
125	14.8	13.1	19.7



#89
Benzo(a)pyrene
Concen: 6.06 ng
RT: 14.81 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF097545.D
Acq: 10 Aug 2017 4:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	16.2	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 3.86 ng

RT: 16.40 min Scan# 2484

Delta R.T. -0.01 min

Lab File: BF097545.D

Acq: 10 Aug 2017 4:58

Instrument :

BNA_F

ClientSampleId :

E2-D10-ESW

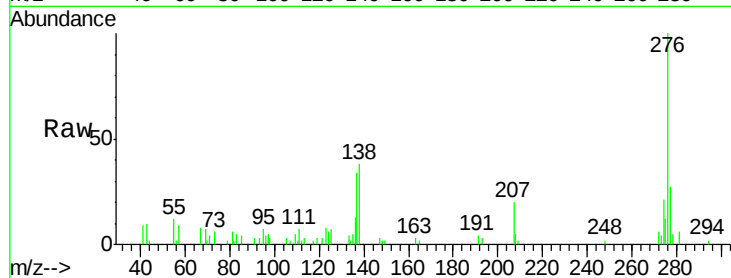
Tot Ion: 276 Resp: 34046

Ion Ratio Lower Upper

276 100

277 26.6 18.6 28.0

138 38.0 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

