

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097783.D
 Acq On : 17 Aug 2017 12:24
 Operator : SJ/JU
 Sample : I4797-06 10X
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-K9-BASE

Quant Time: Aug 17 14:58:49 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	6.78	152	151535	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	562973	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	226095	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	340217	20.00	ng	0.00
75) Chrysene-d12	13.93	240	315962	20.00	ng	0.00
86) Perylene-d12	15.36	264	257346	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	102143	10.25	ng	-0.01
7) Phenol-d6	6.40	99	134492	9.94	ng	-0.01
23) Nitrobenzene-d5	7.33	82	77964	7.52	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	14038	7.16	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	126496	8.22	ng	0.00
78) Terphenyl-d14	12.88	244	73331	4.84	ng	-0.01

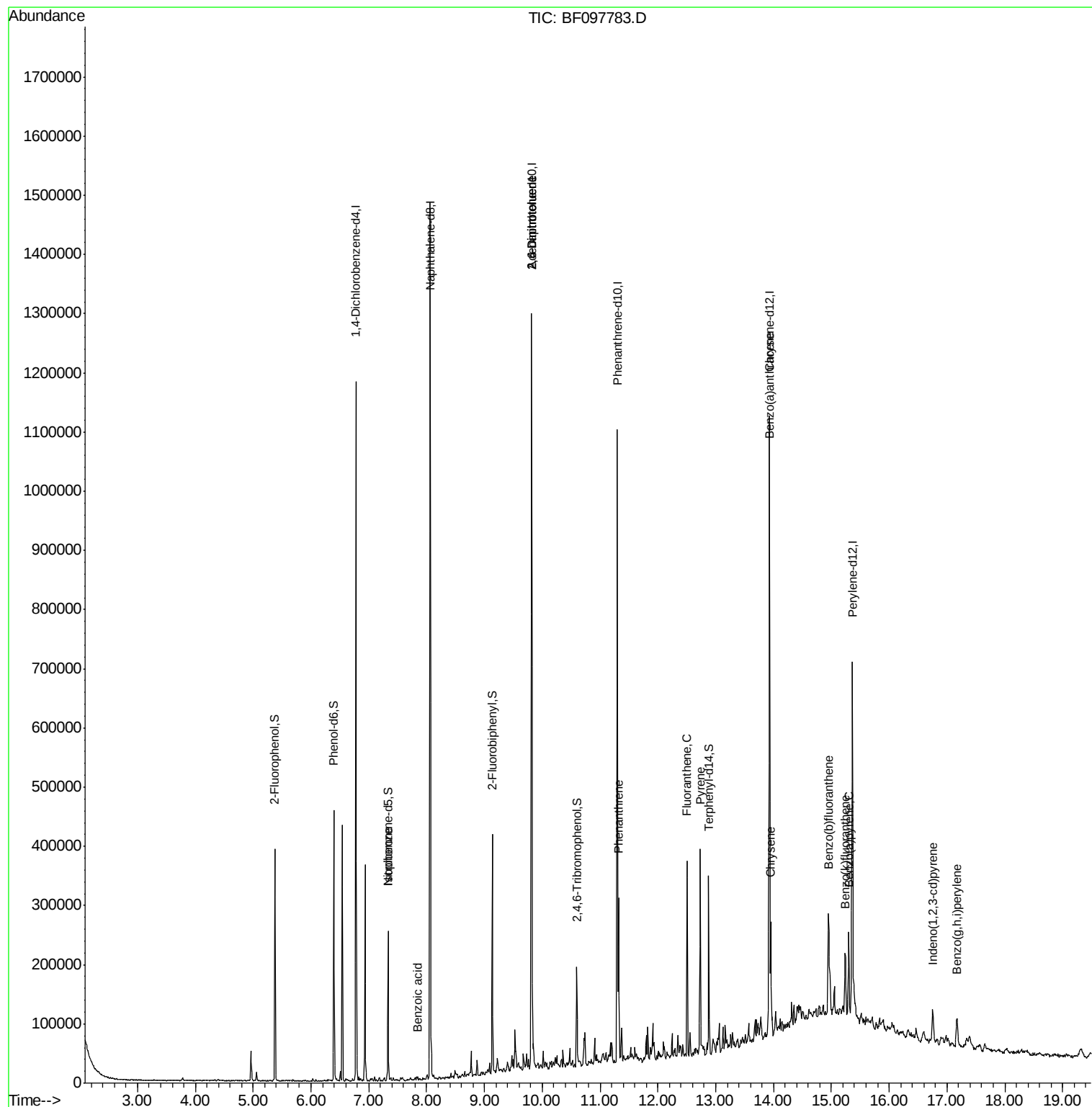
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.33	82	77868	3.614	ng	# 67
32) Benzoic acid	7.85	122	1471	6.599	ng	# 23
50) 2,6-Dinitrotoluene	9.82	165	30345	9.198	ng	# 34
56) 2,4-Dinitrotoluene	9.82	165	30346	7.330	ng	# 33
70) Phenanthrene	11.32	178	85449	4.713	ng	98
74) Fluoranthene	12.50	202	125742	6.645	ng	98
77) Pyrene	12.73	202	127623	4.939	ng	98
80) Benzo(a)anthracene	13.92	228	68895	3.638	ng	98
82) Chrysene	13.96	228	63025	3.346	ng	96
85) Indeno(1,2,3-cd)pyrene	16.75	276	36609	2.642	ng	96
87) Benzo(b)fluoranthene	14.95	252	116734	7.196	ng	99
88) Benzo(k)fluoranthene	15.24	252	42650	2.799	ng	97
89) Benzo(a)pyrene	15.30	252	61956	4.314	ng	99
91) Benzo(a,h,i)perylene	17.17	276	36038	2.954	ng	90

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

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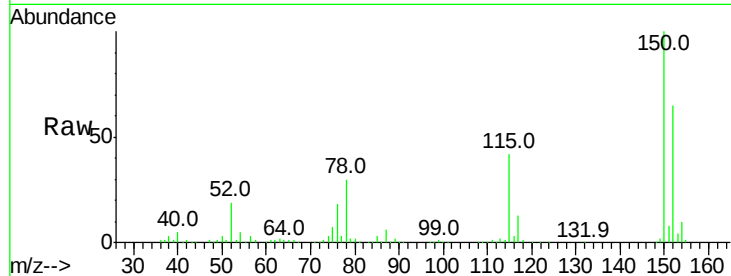


#1

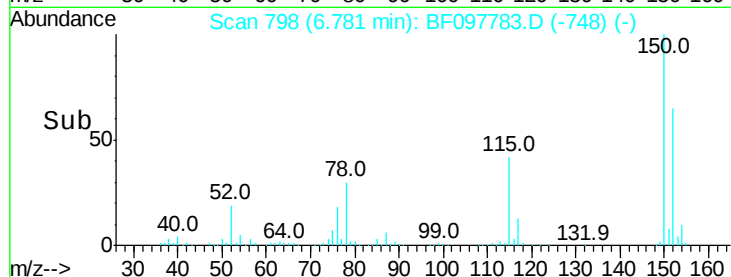
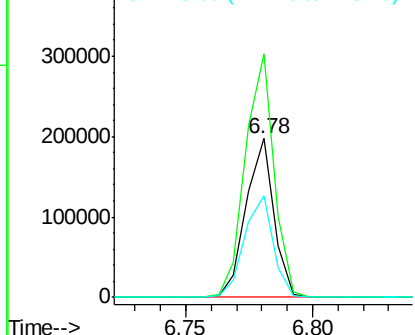
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097783.D
Acq: 17 Aug 2017 12:24

Instrument :
BNA_F
ClientSampleId :
E2-K9-BASE

Tot Ion:152 Resp: 151535
Ion Ratio Lower Upper
152 100
150 153.0 126.2 189.2
115 64.1 52.2 78.2



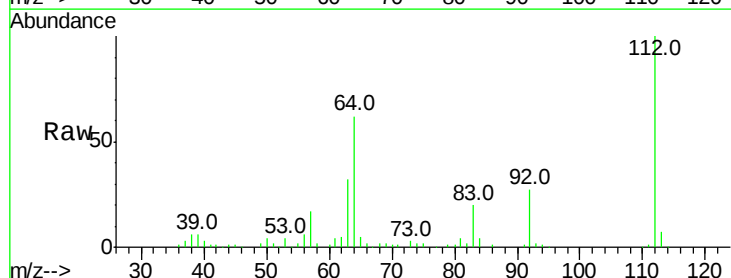
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



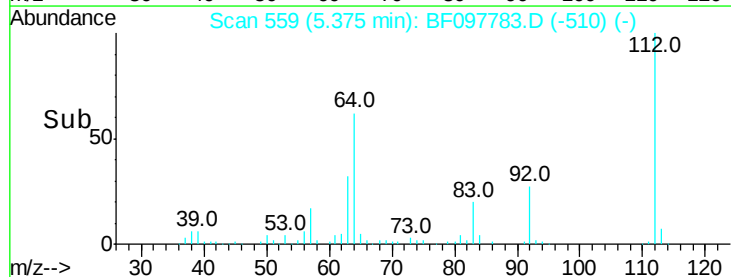
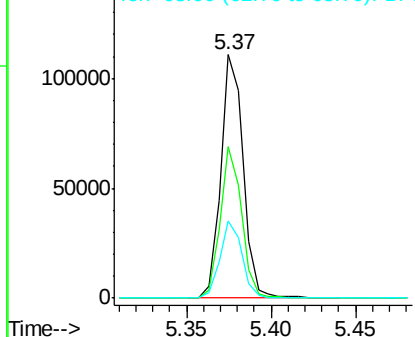
#5

2-Fluorophenol
Concen: 10.253 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097783.D
Acq: 17 Aug 2017 12:24

Tgt Ion:112 Resp: 102143
Ion Ratio Lower Upper
112 100
64 62.0 46.0 69.0
63 31.7 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: 9.936 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097783.D

Acq: 17 Aug 2017 12:24

Instrument :

BNA_F

ClientSampleId :

E2-K9-BASE

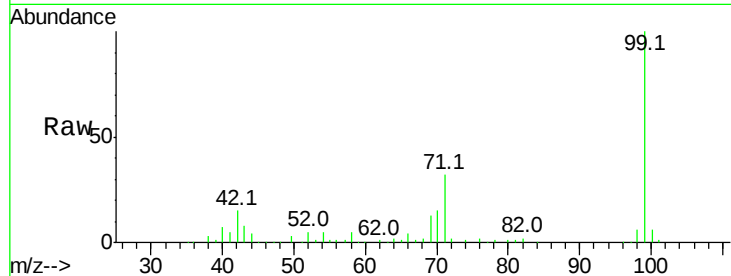
Tot Ion: 99 Resp: 134492

Ion Ratio Lower Upper

99 100

42 14.8 13.5 20.3

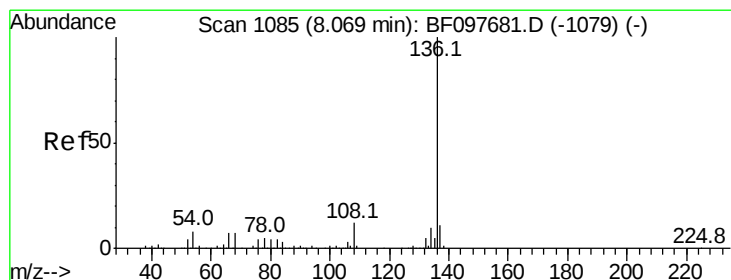
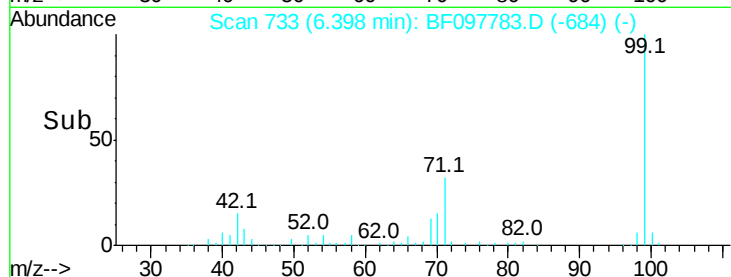
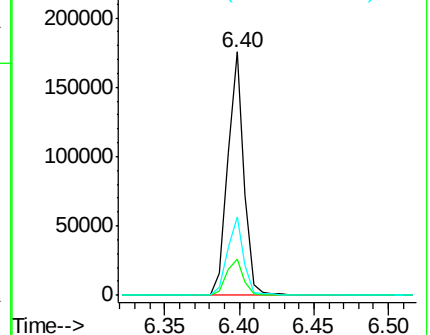
71 32.1 24.5 36.7



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: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF097783.D

Acq: 17 Aug 2017 12:24

Tgt Ion: 136 Resp: 562973

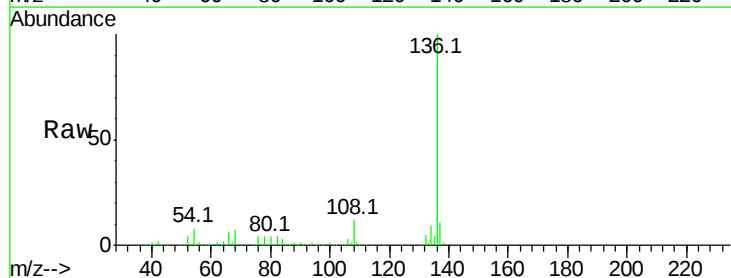
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 7.8 4.9 7.3#

68 7.3 4.1 6.1#

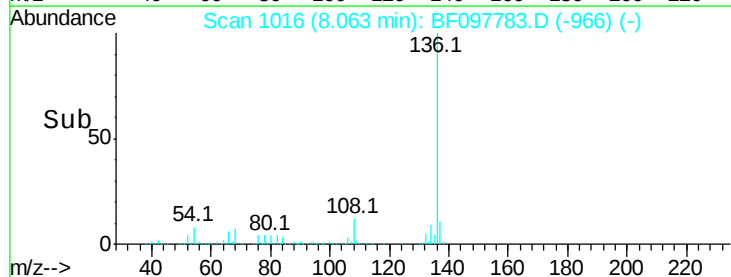
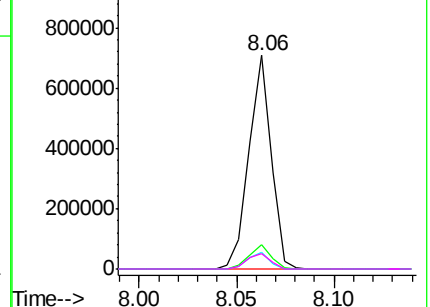


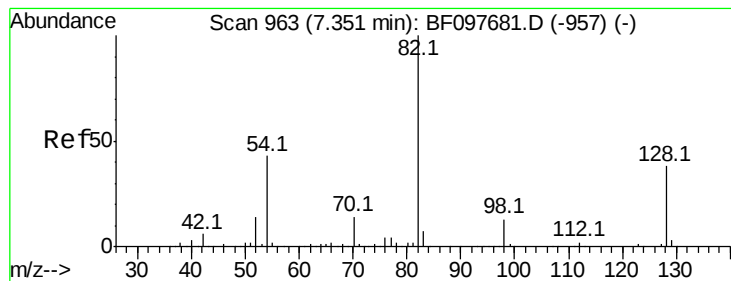
Abundance Ion 136.00 (135.70 to 136.70): E

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: 7.523 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF097783.D

Acq: 17 Aug 2017 12:24

Instrument :

BNA_F

ClientSampleId :

E2-K9-BASE

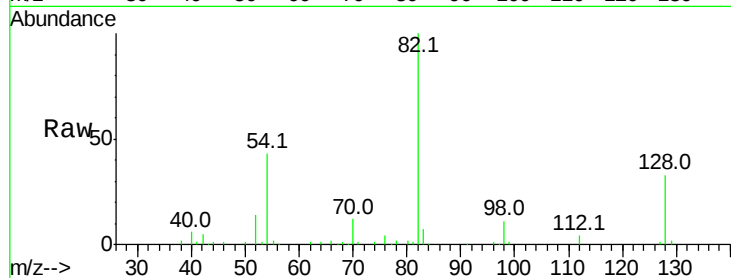
Tot Ion: 82 Resp: 77964

Ion Ratio Lower Upper

82 100

128 33.1 34.0 51.0#

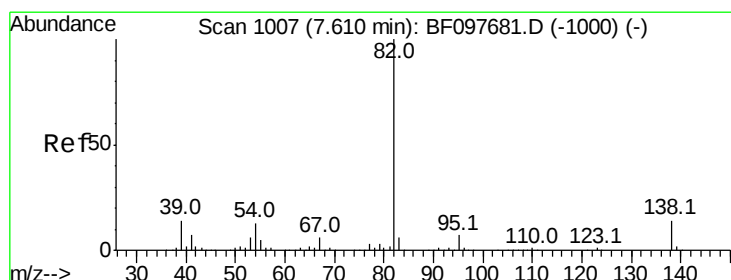
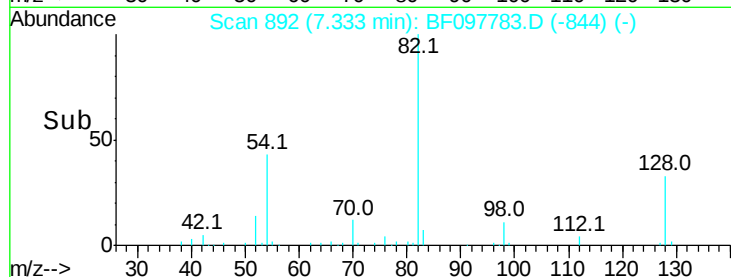
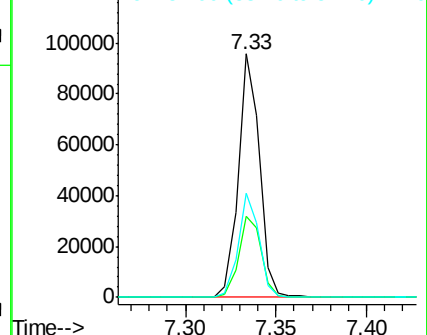
54 42.7 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 3.614 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.28 min

Lab File: BF097783.D

Acq: 17 Aug 2017 12:24

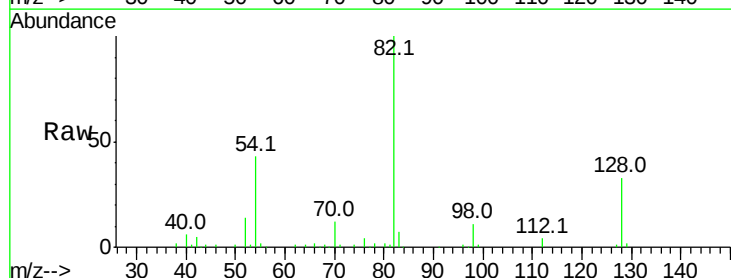
Tgt Ion: 82 Resp: 77868

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

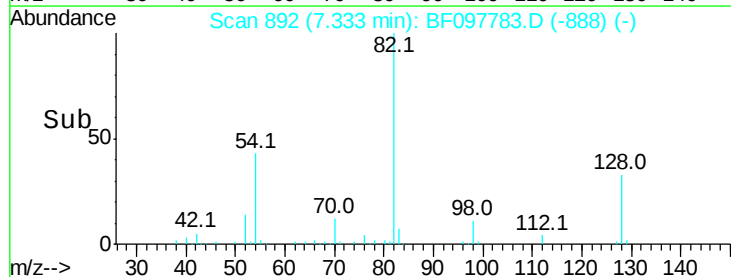
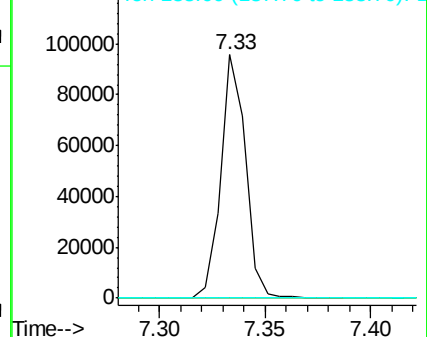
138 0.0 13.1 19.7#

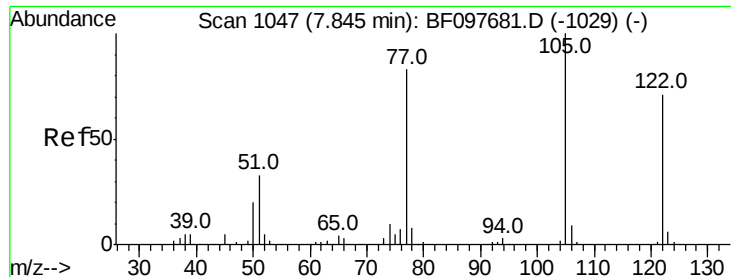


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

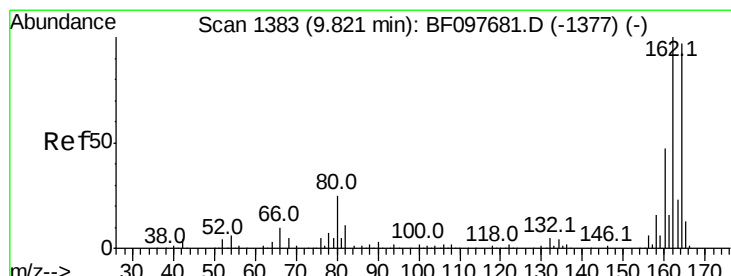
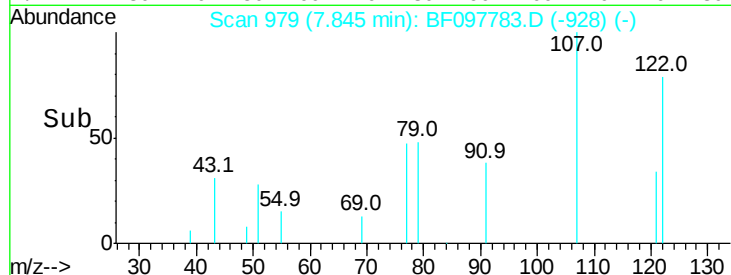
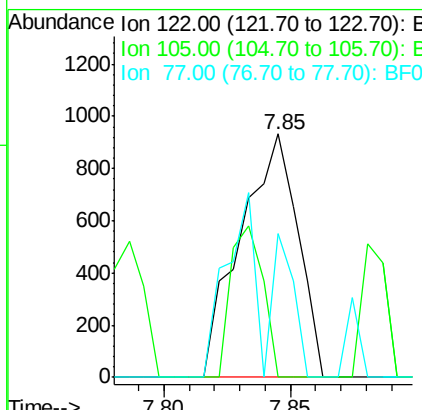
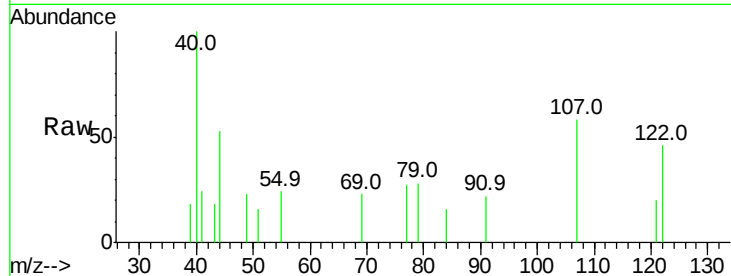




#32
Benzoic acid
Concen: 6.599 ng
RT: 7.85 min Scan# 979
Delta R.T. 0.00 min
Lab File: BF097783.D
Acq: 17 Aug 2017 12:24

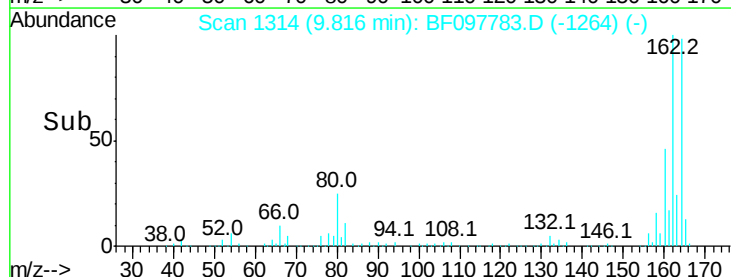
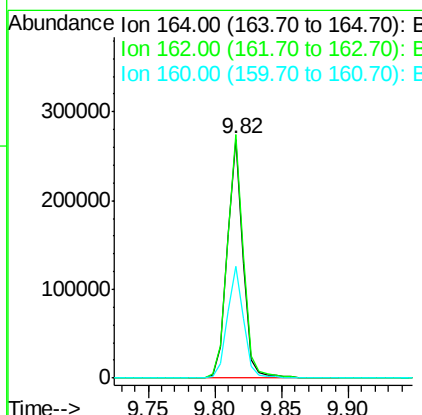
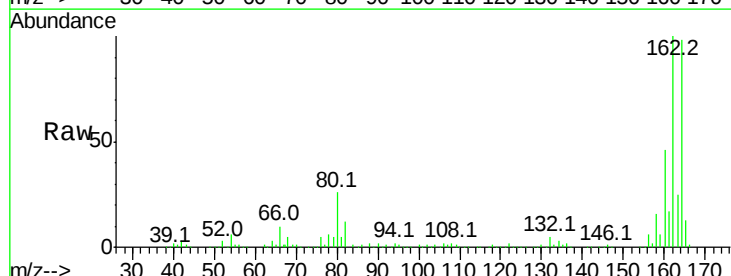
Instrument :
BNA_F
ClientSampleId :
E2-K9-BASE

Tot Ion:122 Resp: 1471
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 59.3 73.7 113.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF097783.D
Acq: 17 Aug 2017 12:24

Tgt Ion:164 Resp: 226095
Ion Ratio Lower Upper
164 100
162 101.8 82.6 123.8
160 46.6 36.2 54.2





#41

2,4,6-Tribromophenol

Concen: 7.156 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF097783.D

Acq: 17 Aug 2017 12:24

Instrument :

BNA_F

ClientSampleId :

E2-K9-BASE

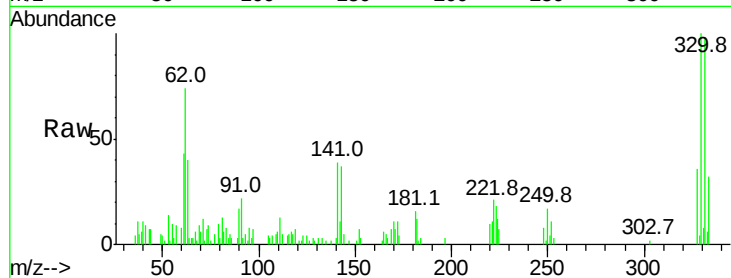
Tot Ion:330 Resp: 14038

Ion Ratio Lower Upper

330 100

332 96.7 76.6 115.0

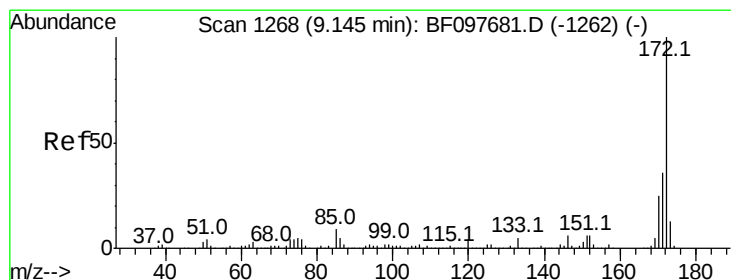
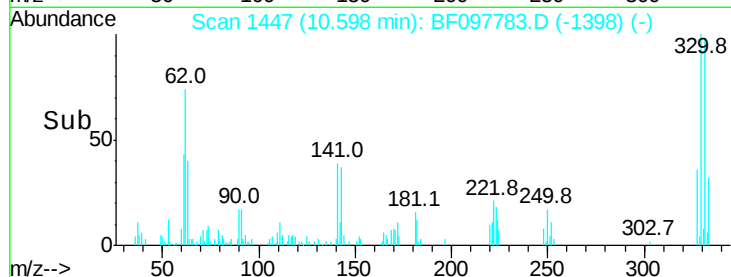
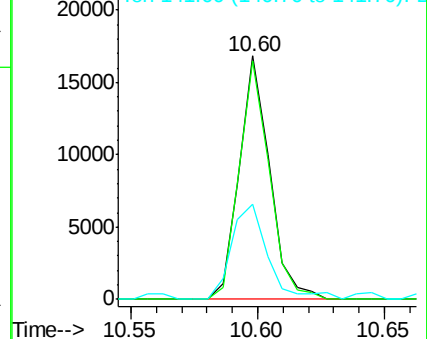
141 46.3 31.4 47.2



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: 8.220 ng

RT: 9.14 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BF097783.D

Acq: 17 Aug 2017 12:24

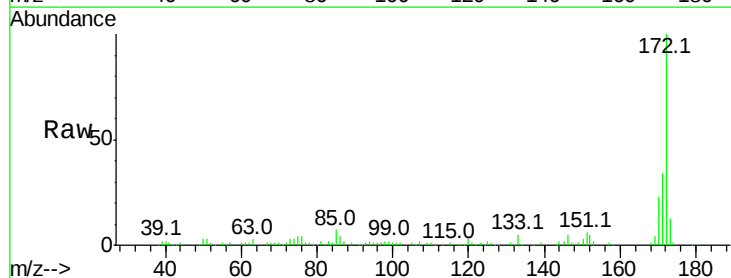
Tgt Ion:172 Resp: 126496

Ion Ratio Lower Upper

172 100

171 33.8 29.6 44.4

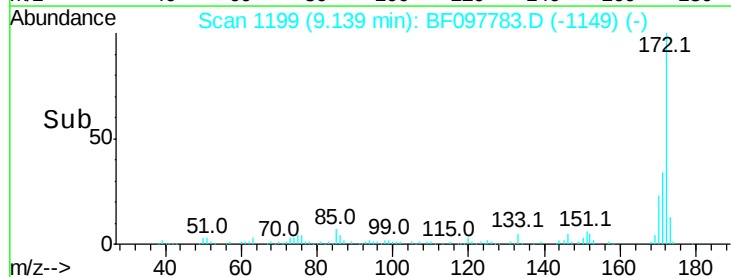
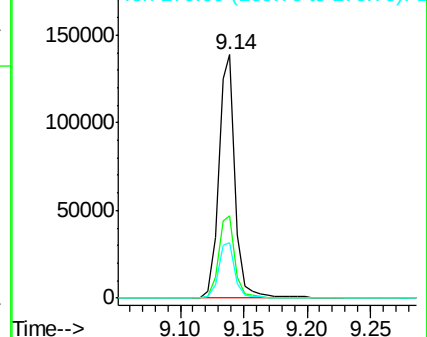
170 22.8 19.8 29.8

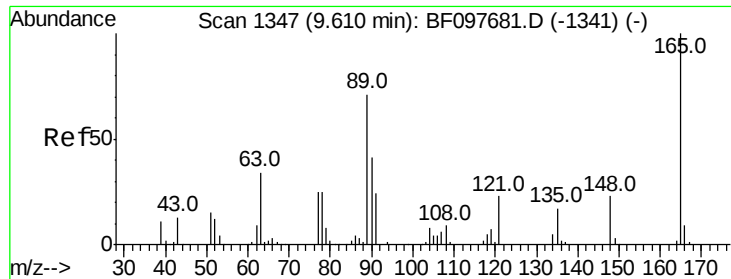


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

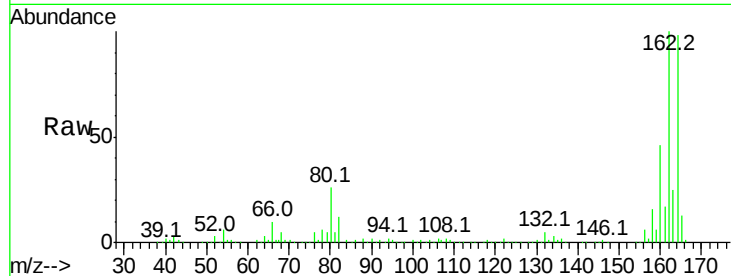




#50
 2,6-Dinitrotoluene
 Concen: 9.198 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.21 min
 Lab File: BF097783.D
 Acq: 17 Aug 2017 12:24

Instrument :
 BNA_F
 ClientSampleId :
 E2-K9-BASE

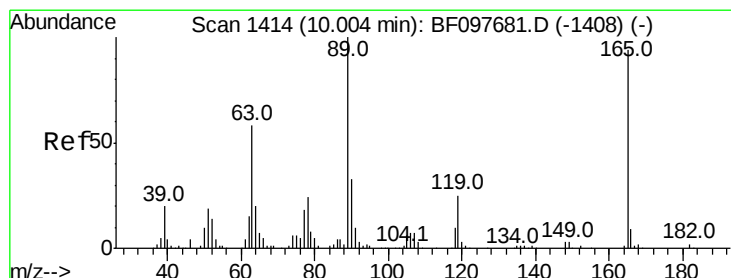
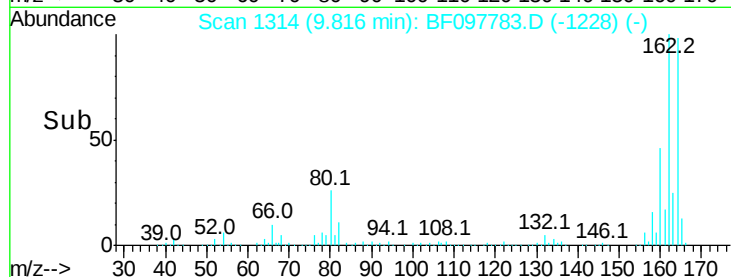
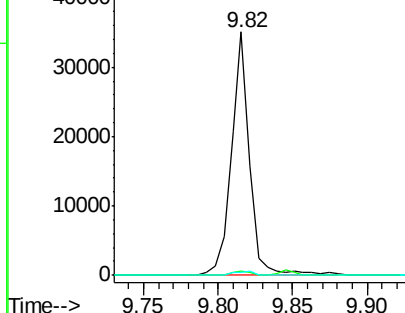
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	34.3	51.5#
89	1.4	37.1	55.7#



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: 7.330 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.19 min
 Lab File: BF097783.D
 Acq: 17 Aug 2017 12:24

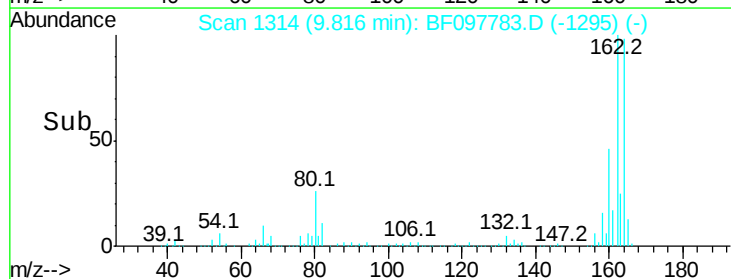
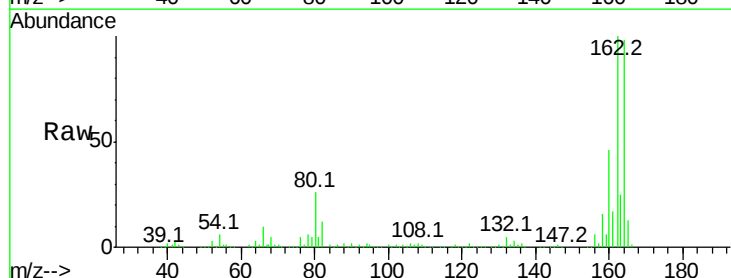
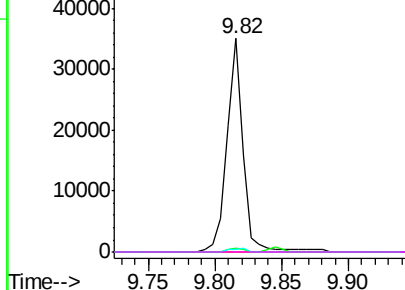
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	25.4	38.0#
89	1.4	46.4	69.6#
182	0.0	1.8	2.6#

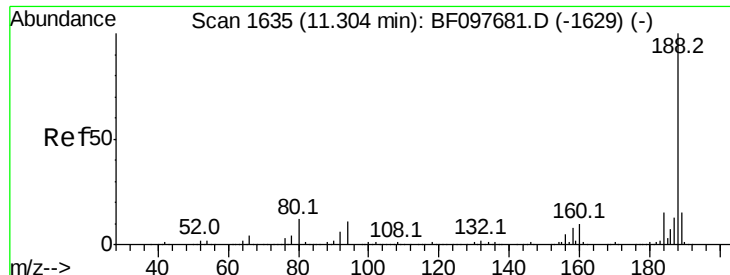
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.30 min Scan# 1566

Delta R.T. -0.01 min

Lab File: BF097783.D

Acq: 17 Aug 2017 12:24

Instrument :

BNA_F

ClientSampled :

E2-K9-BASE

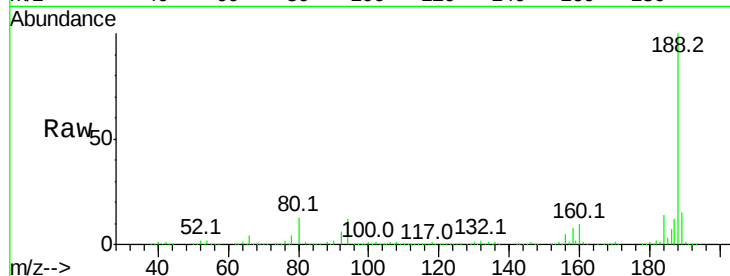
Tot Ion:188 Resp: 340217

Ion Ratio Lower Upper

188 100

94 11.9 9.4 14.2

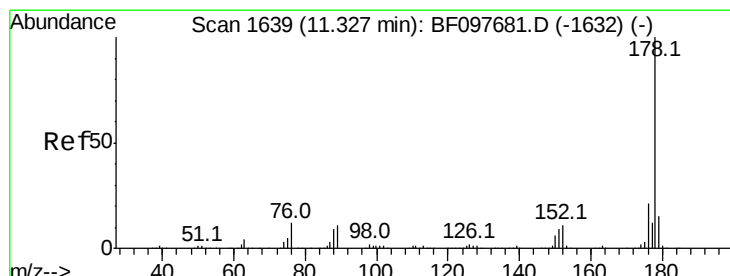
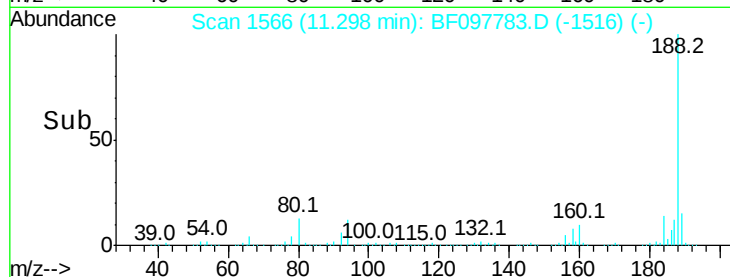
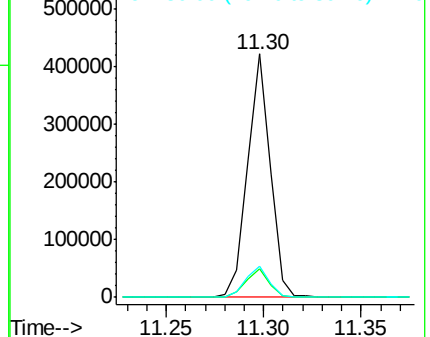
80 12.9 10.2 15.2



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



#70

Phenanthrene

Concen: 4.713 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF097783.D

Acq: 17 Aug 2017 12:24

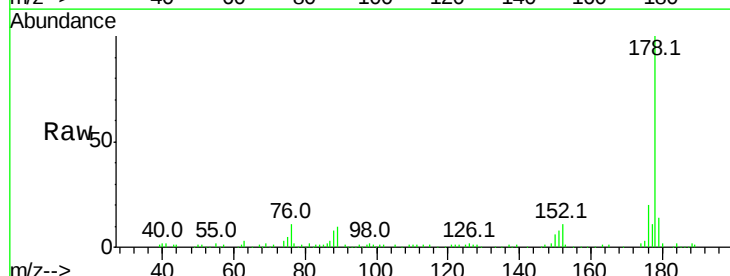
Tgt Ion:178 Resp: 85449

Ion Ratio Lower Upper

178 100

176 19.7 16.2 24.4

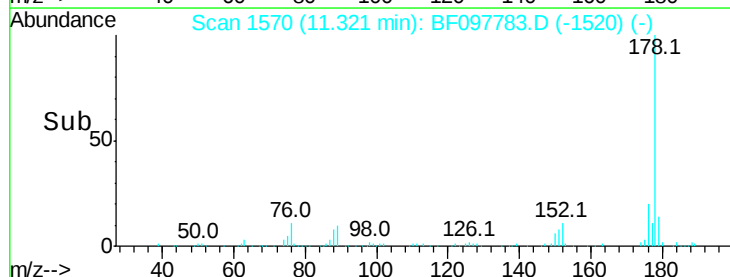
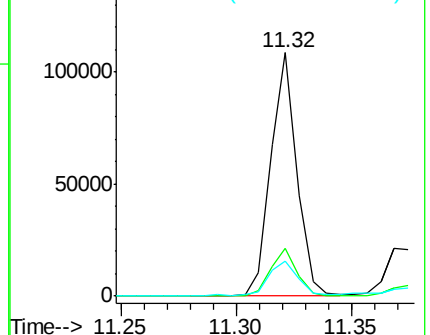
179 14.4 12.6 19.0

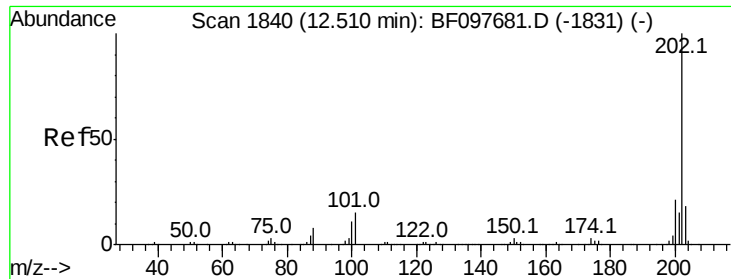


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

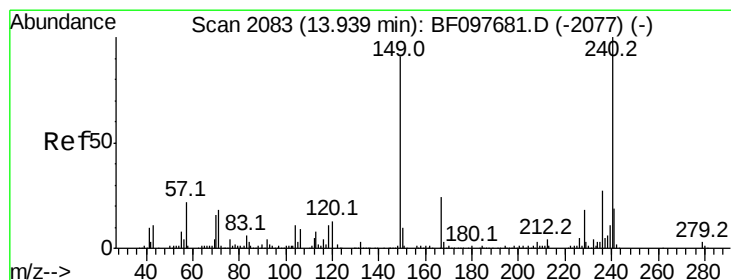
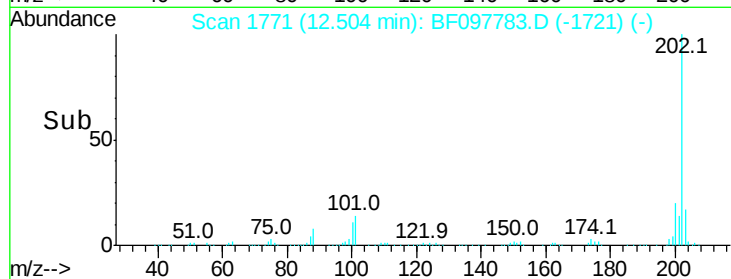
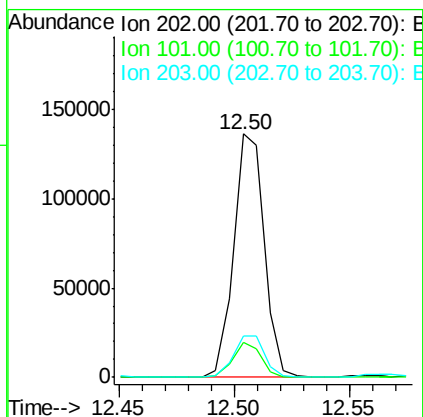
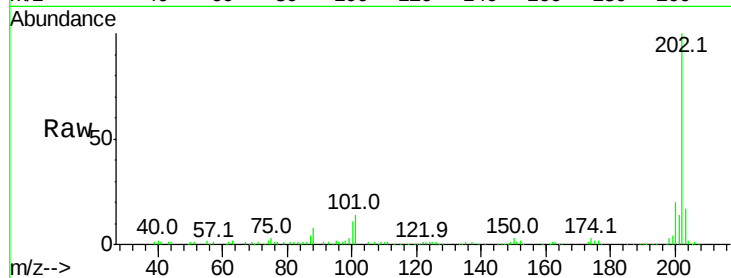




#74
 Fluoranthene
 Concen: 6.645 ng
 RT: 12.50 min Scan# 1771
 Delta R.T. -0.01 min
 Lab File: BF097783.D
 Acq: 17 Aug 2017 12:24

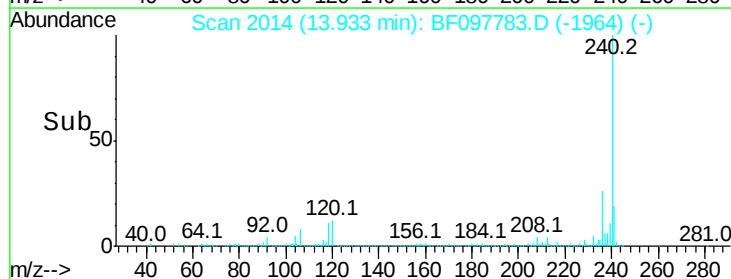
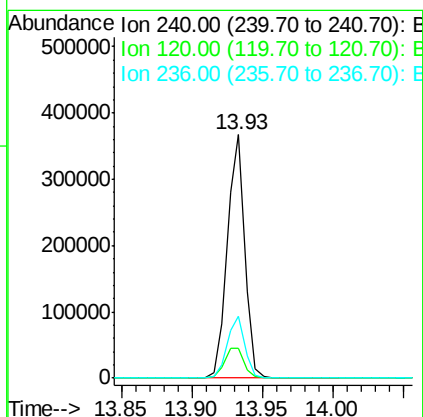
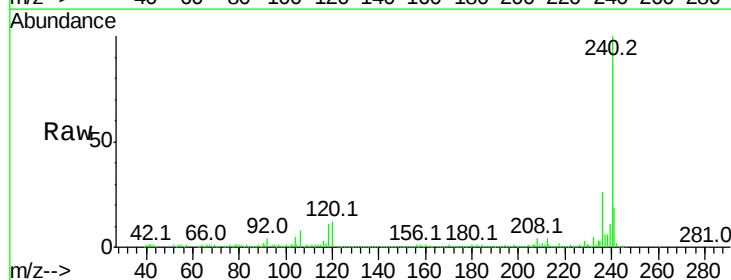
Instrument :
 BNA_F
 ClientSampleId :
 E2-K9-BASE

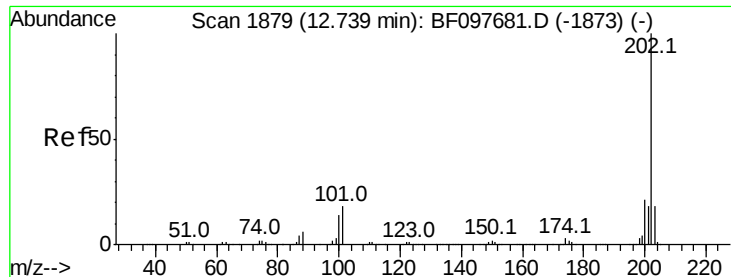
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	33.2
203	17.0	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.93 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF097783.D
 Acq: 17 Aug 2017 12:24

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.3	5.8	8.8#
236	25.7	20.5	30.7





#77

Pvrene

Concen: 4.939 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF097783.D

Acq: 17 Aug 2017 12:24

Instrument :

BNA_F

ClientSampleId :

E2-K9-BASE

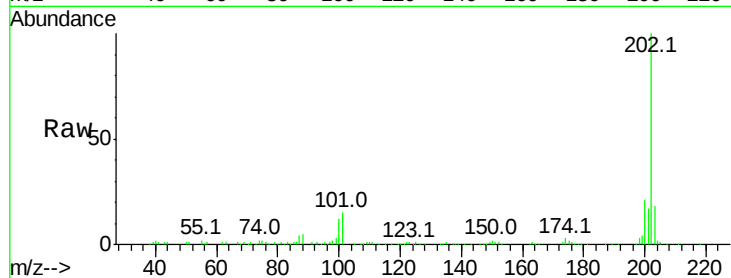
Tot Ion:202 Resp: 127623

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

203 17.7 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

12.73

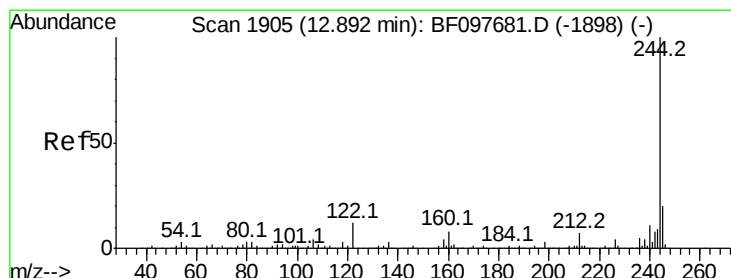
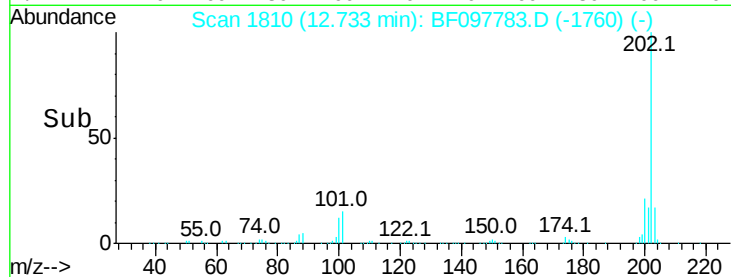
150000

100000

50000

0

Time-->



#78

Terphenyl-d14

Concen: 4.840 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF097783.D

Acq: 17 Aug 2017 12:24

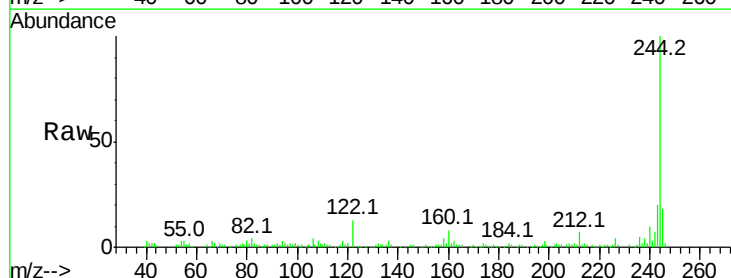
Tgt Ion:244 Resp: 73331

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

122 13.0 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

12.88

120000

100000

80000

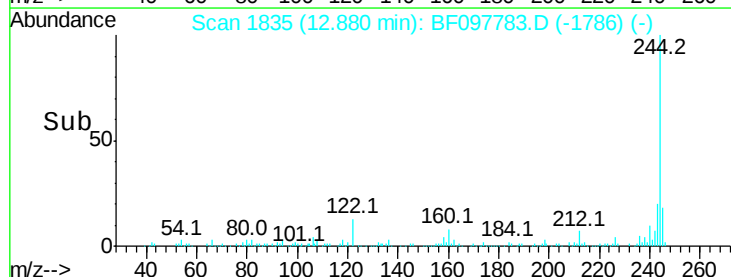
60000

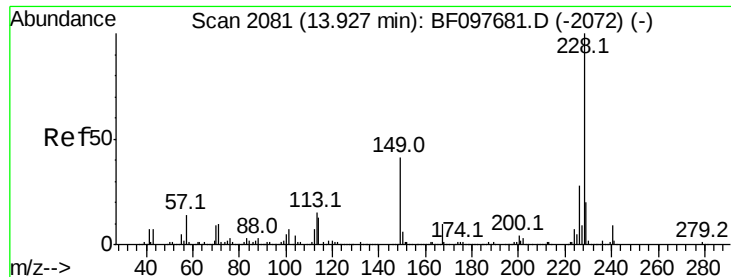
40000

20000

0

Time-->





#80

Benzo(a)anthracene

Concen: 3.638 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF097783.D

Acq: 17 Aug 2017 12:24

Instrument :

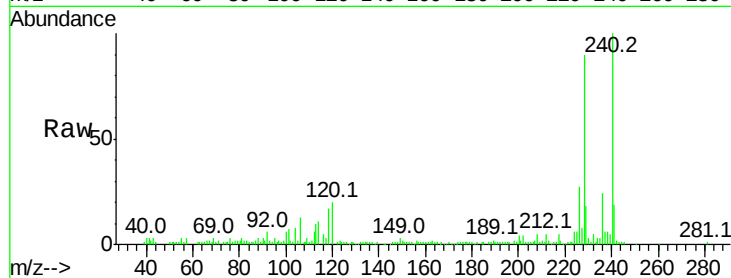
BNA_F

ClientSampleId :

E2-K9-BASE

Tot Ion:228 Resp: 68895

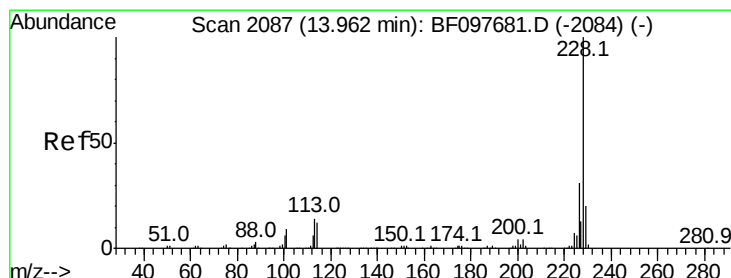
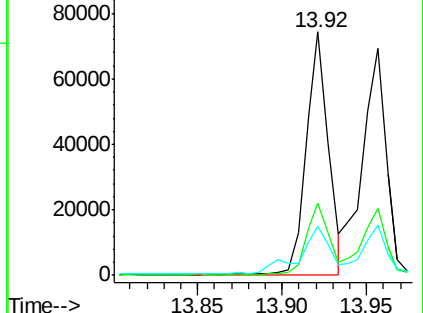
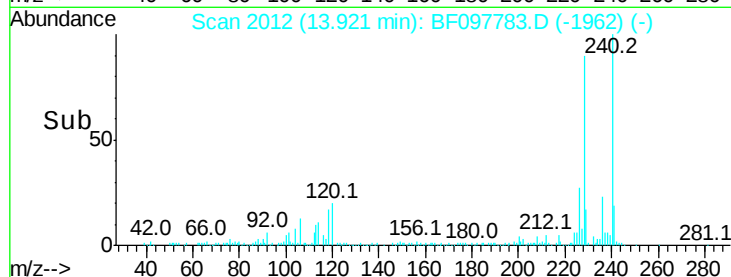
Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.6	33.8
229	20.3	16.3	24.5



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: 3.346 ng

RT: 13.96 min Scan# 2018

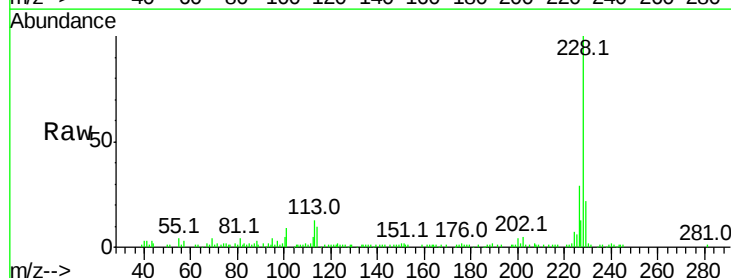
Delta R.T. -0.01 min

Lab File: BF097783.D

Acq: 17 Aug 2017 12:24

Tgt Ion:228 Resp: 63025

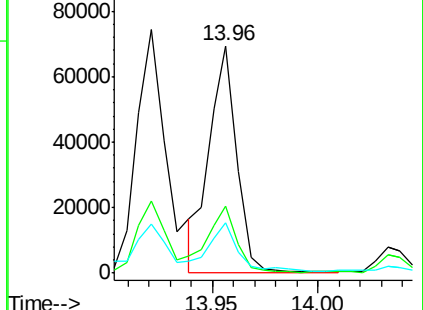
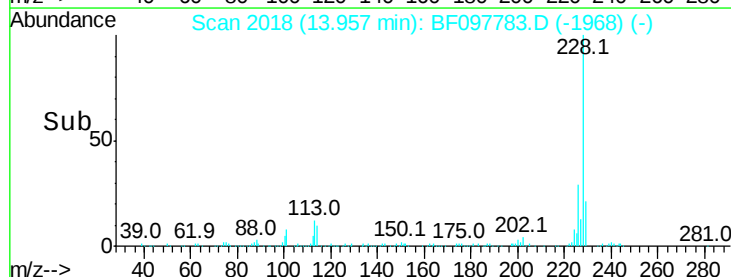
Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.9	37.3
229	22.0	15.8	23.6

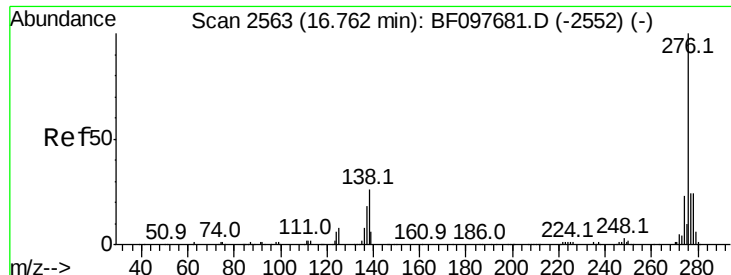


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

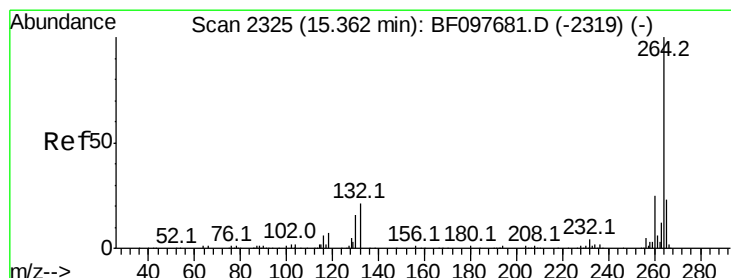
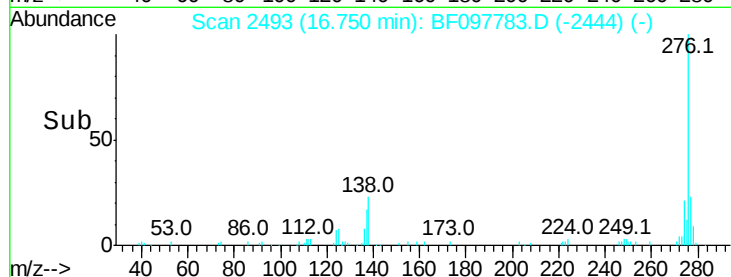
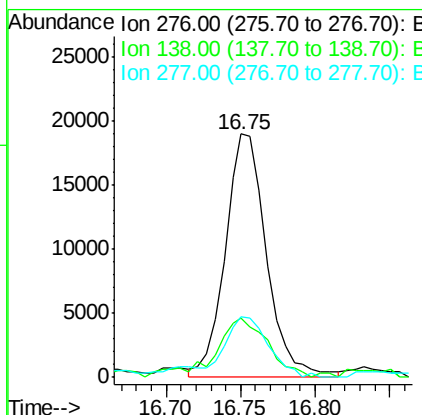
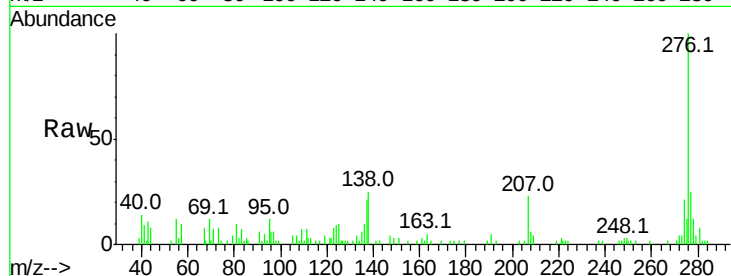




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.642 ng
 RT: 16.75 min Scan# 2493
 Delta R.T. -0.01 min
 Lab File: BF097783.D
 Acq: 17 Aug 2017 12:24

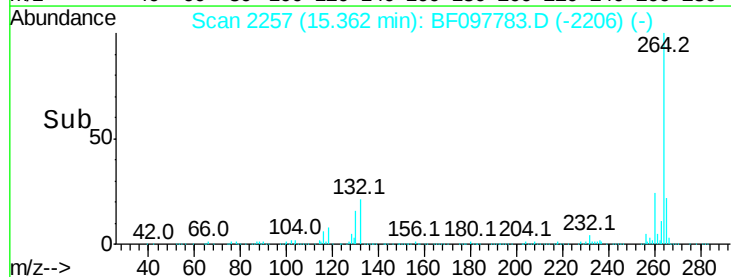
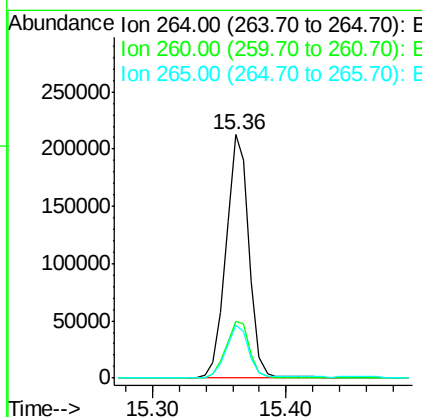
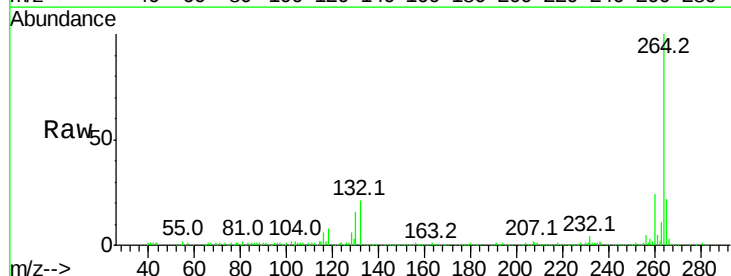
Instrument :
 BNA_F
 ClientSampleId :
 E2-K9-BASE

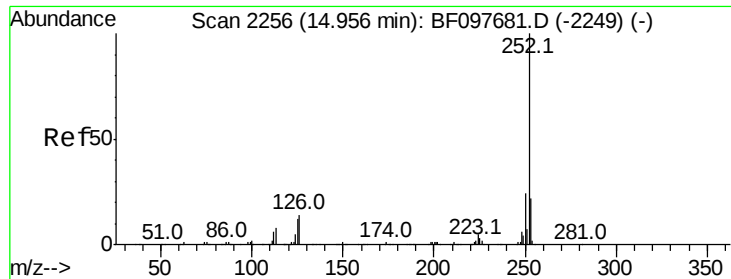
Tot Ion	Ratio	Lower	Upper
276	100		
138	31.4	27.8	41.6
277	25.8	20.2	30.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.36 min Scan# 2257
 Delta R.T. 0.00 min
 Lab File: BF097783.D
 Acq: 17 Aug 2017 12:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.6	17.2	25.8

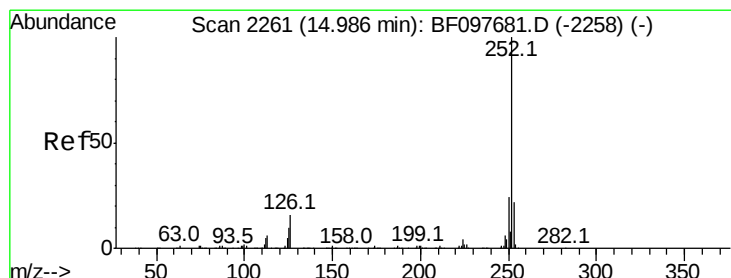
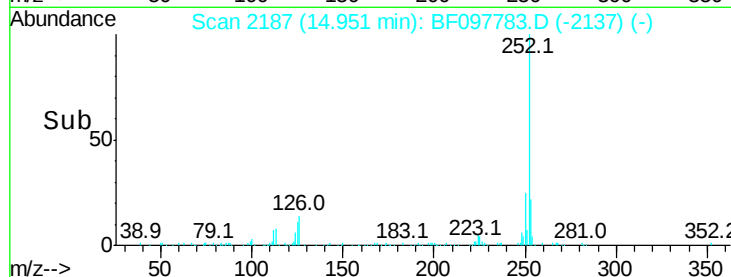
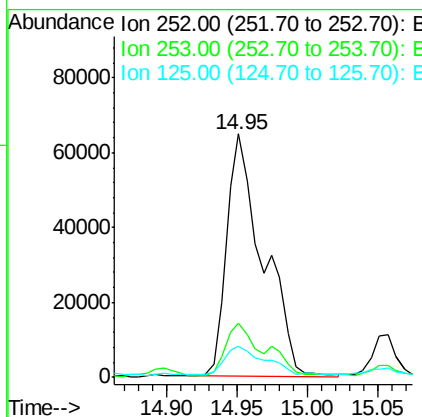
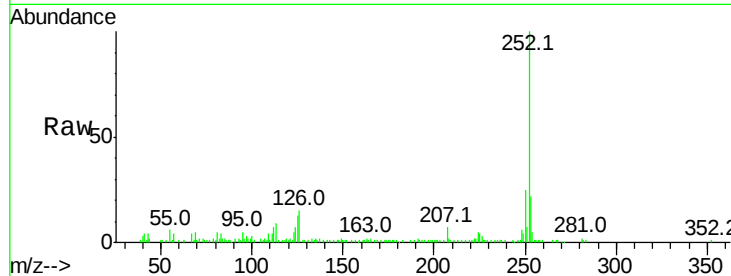




#87
Benzo(b)fluoranthene
Concen: 7.196 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF097783.D
Acq: 17 Aug 2017 12:24

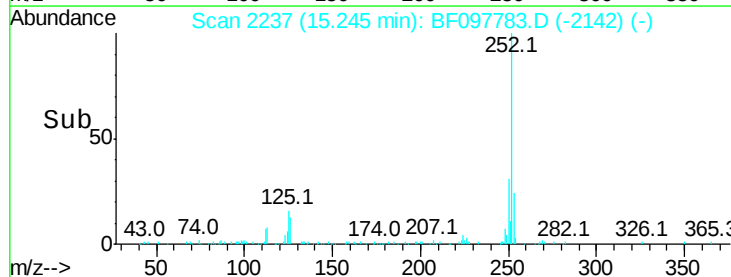
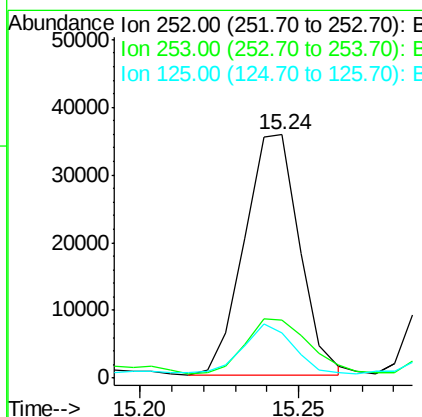
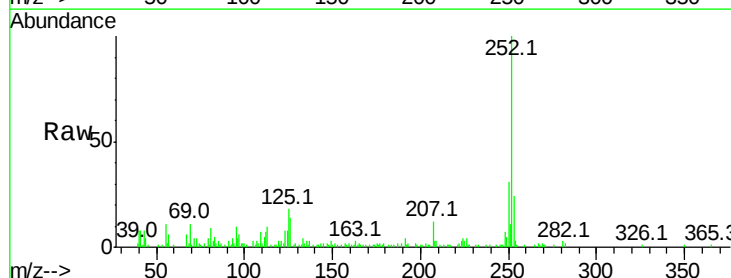
Instrument :
BNA_F
ClientSampleId :
E2-K9-BASE

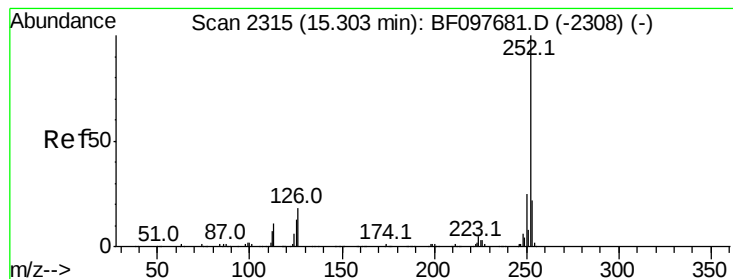
Tot Ion:252 Resp: 116734
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 12.6 9.8 14.8



#88
Benzo(k)fluoranthene
Concen: 2.799 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.26 min
Lab File: BF097783.D
Acq: 17 Aug 2017 12:24

Tgt Ion:252 Resp: 42650
Ion Ratio Lower Upper
252 100
253 23.6 18.4 27.6
125 18.4 13.1 19.7





#89

Benzo(a)pyrene

Concen: 4.314 ng

RT: 15.30 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BF097783.D

Acq: 17 Aug 2017 12:24

Instrument :

BNA_F

ClientSampleId :

E2-K9-BASE

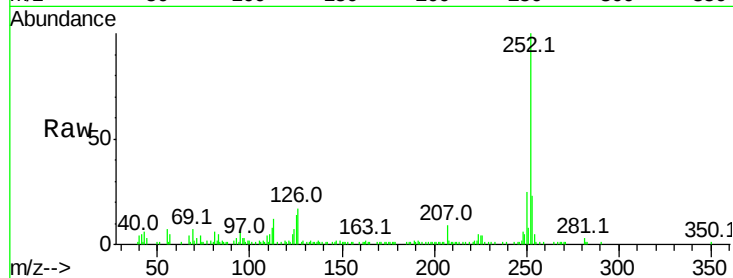
Tot Ion:252 Resp: 61956

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

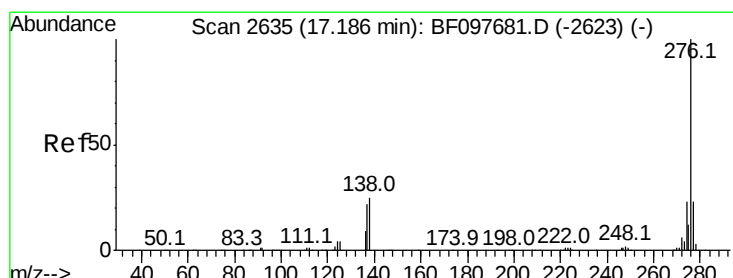
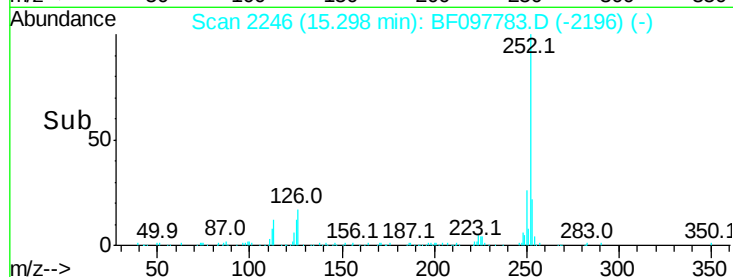
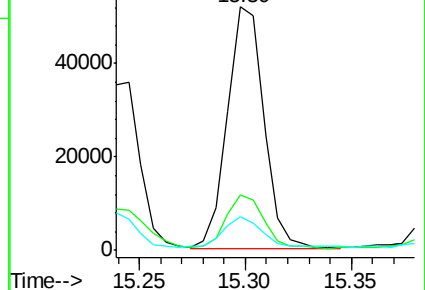
125 13.7 11.0 16.4



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: 2.954 ng

RT: 17.17 min Scan# 2565

Delta R.T. -0.01 min

Lab File: BF097783.D

Acq: 17 Aug 2017 12:24

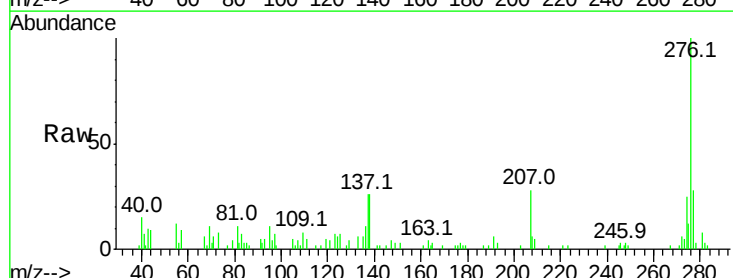
Tgt Ion:276 Resp: 36038

Ion Ratio Lower Upper

276 100

277 27.9 18.6 28.0

138 26.3 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

