

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081717\
 Data File : BF097824.D
 Acq On : 18 Aug 2017 9:46
 Operator : SJ/JU
 Sample : I4797-07 2X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-K10-BASE

Quant Time: Aug 18 13:50:16 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

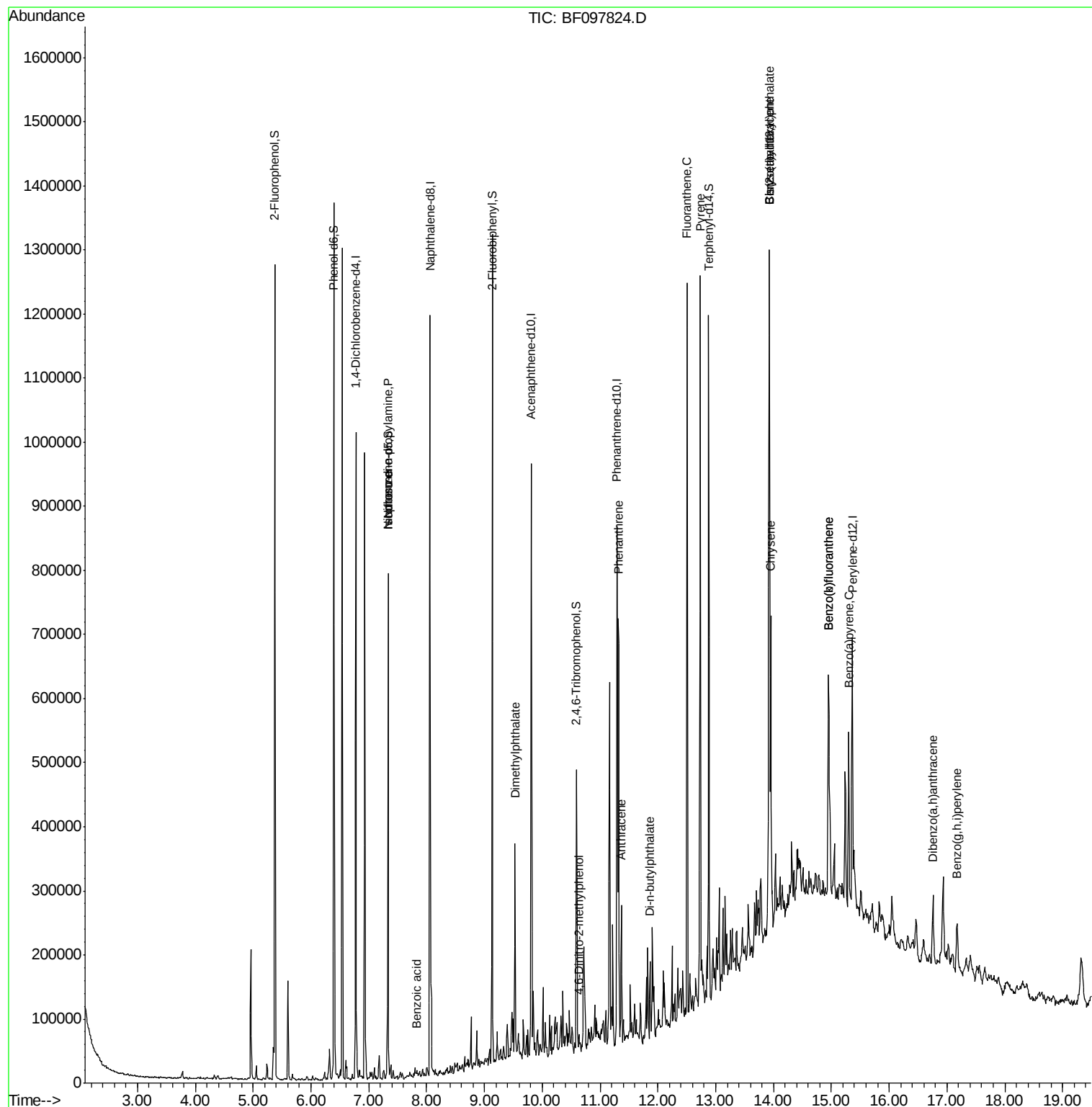
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	127713	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	450743	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	165292	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	296630	20.00	ng	0.00
75) Chrysene-d12	13.93	240	272209	20.00	ng	0.00
86) Perylene-d12	15.36	264	187722	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	311654	37.12	ng	-0.01
7) Phenol-d6	6.40	99	408344	35.79	ng	-0.01
23) Nitrobenzene-d5	7.33	82	234671	28.28	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	37371	26.06	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	332263	29.53	ng	-0.01
78) Terphenyl-d14	12.88	244	271528	20.80	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.33	70	32329	4.140	ng	Qvalue # 73
25) Isophorone	7.33	82	232752	13.491	ng	# 67
32) Benzoic acid	7.84	122	1560	6.662	ng	# 40
49) Dimethylphthalate	9.53	163	96870	8.017	ng	# 98
64) 4,6-Dinitro-2-methylphenol	10.62	198	508	8.621	ng	# 1
70) Phenanthrene	11.32	178	232534	14.711	ng	99
71) Anthracene	11.37	178	69071	4.308	ng	99
73) Di-n-butylphthalate	11.86	149	39442	2.250	ng	# 98
74) Fluoranthene	12.50	202	462413	28.028	ng	98
77) Pyrene	12.73	202	447603	20.105	ng	98
80) Benzo(a)anthracene	13.92	228	194682	11.933	ng	97
82) Chrysene	13.96	228	184028	11.339	ng	96
83) Bis(2-ethylhexyl)phthalate	13.92	149	32992	3.488	ng	# 98
87) Benzo(b)fluoranthene	14.95	252	245829	20.775	ng	99
88) Benzo(k)fluoranthene	14.95	252	245829	22.113	ng	97
89) Benzo(a)pyrene	15.30	252	126708	12.096	ng	97
90) Dibenzo(a,h)anthracene	16.77	278	17595	2.063	ng	# 85
91) Benzo(g,h,i)perylene	17.17	276	64774	7.279	ng	96

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

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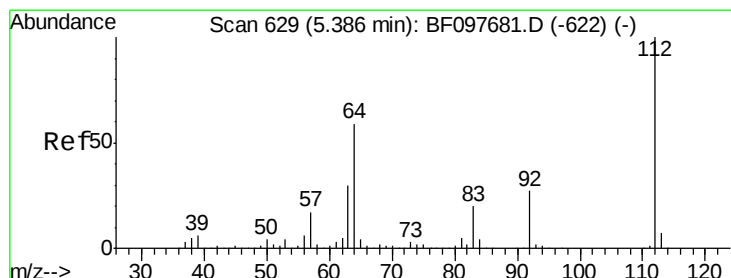
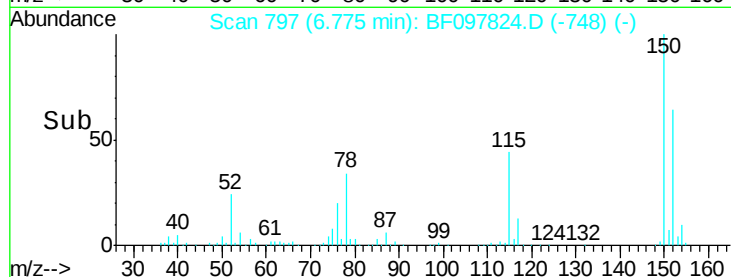
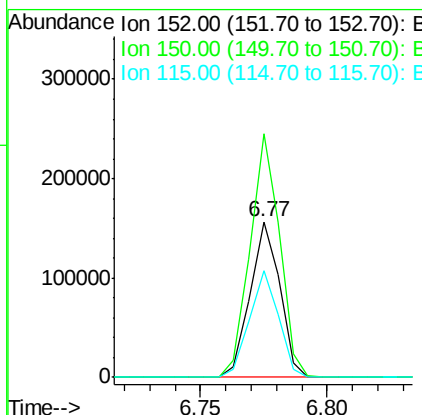
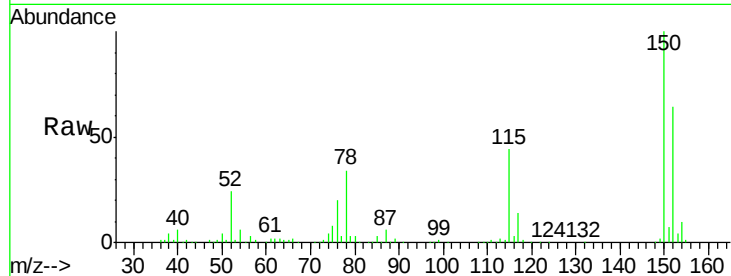


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF097824.D
Acq: 18 Aug 2017 9:46

Instrument :
BNA_F
ClientSampleId :
E2-K10-BASE

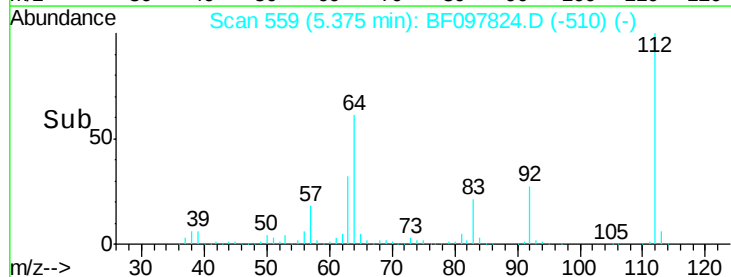
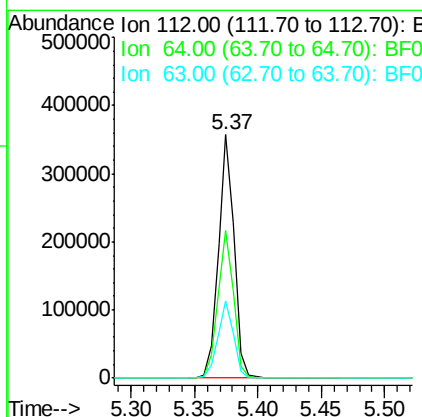
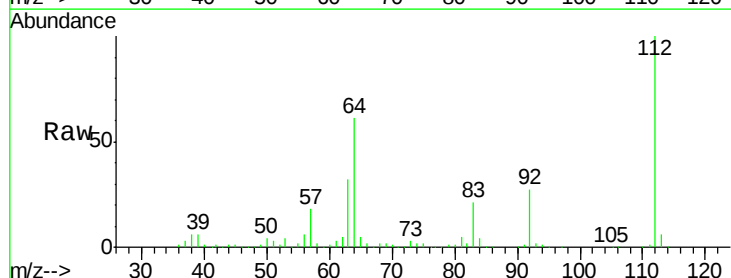
Tgt Ion:152 Resp: 127713
Ion Ratio Lower Upper
152 100
150 156.2 126.2 189.2
115 68.7 52.2 78.2

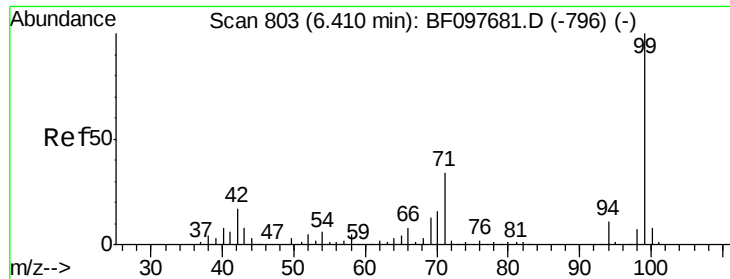


#5

2-Fluorophenol
Concen: 37.118 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097824.D
Acq: 18 Aug 2017 9:46

Tgt Ion:112 Resp: 311654
Ion Ratio Lower Upper
112 100
64 60.7 46.0 69.0
63 31.6 23.4 35.0





#7

Phenol-d6

Concen: 35.794 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097824.D

Acq: 18 Aug 2017 9:46

Instrument :

BNA_F

ClientSampleId :

E2-K10-BASE

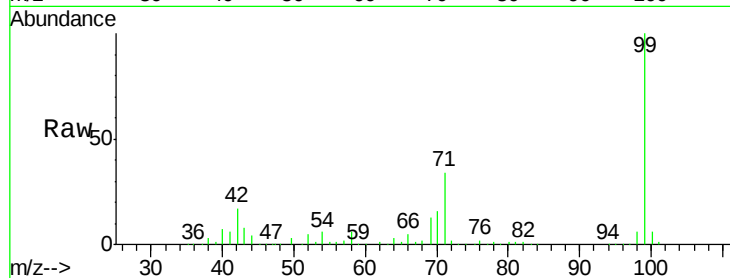
Tgt Ion: 99 Resp: 408344

Ion Ratio Lower Upper

99 100

42 16.9 13.5 20.3

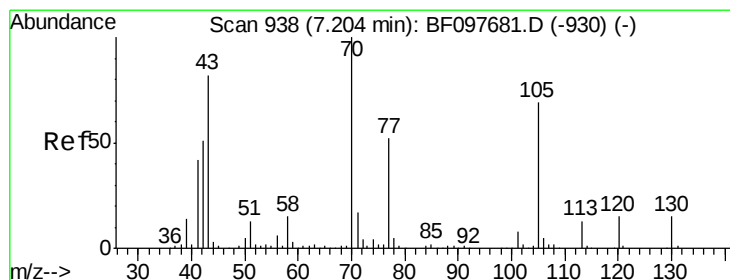
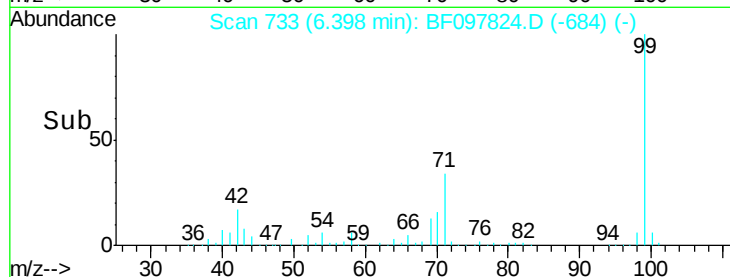
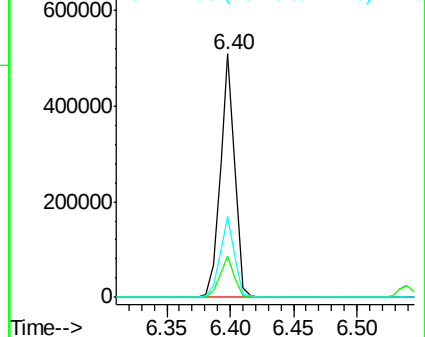
71 33.5 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 4.140 ng

RT: 7.33 min Scan# 892

Delta R.T. 0.13 min

Lab File: BF097824.D

Acq: 18 Aug 2017 9:46

Tgt Ion: 70 Resp: 32329

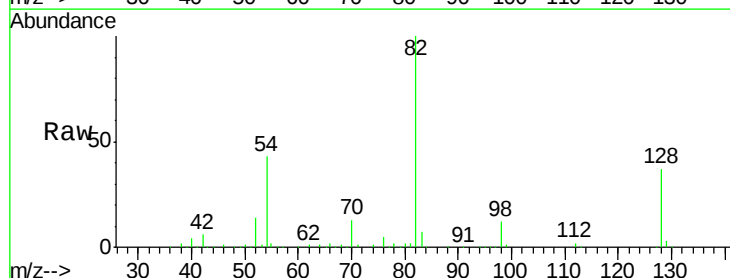
Ion Ratio Lower Upper

70 100

42 41.7 47.2 70.8#

101 0.0 7.2 10.8#

130 1.5 15.9 23.9#

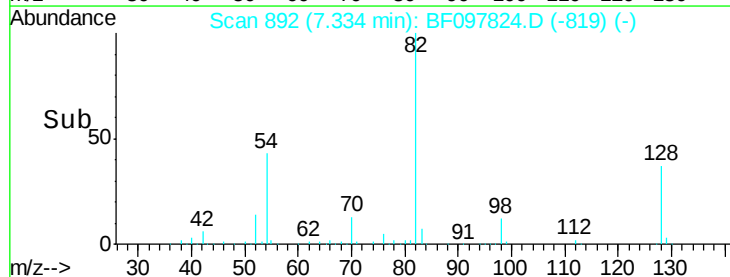
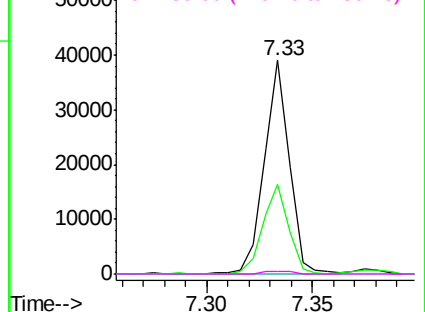


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF097824.D

Acq: 18 Aug 2017 9:46

Instrument :

BNA_F

ClientSampleId :

E2-K10-BASE

Tgt Ion: 136 Resp: 450743

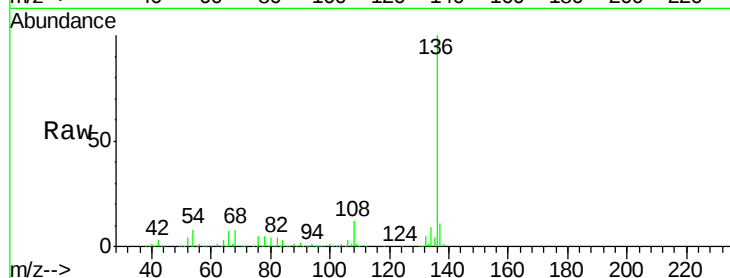
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 8.2 4.9 7.3#

68 7.6 4.1 6.1#

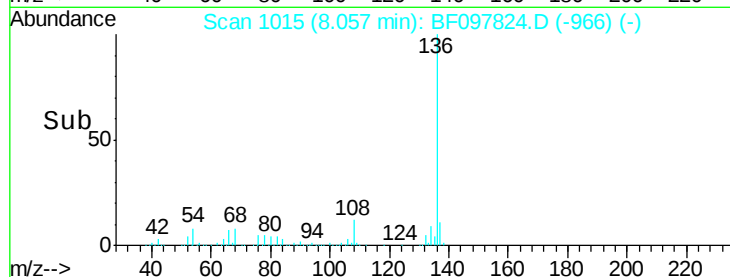


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

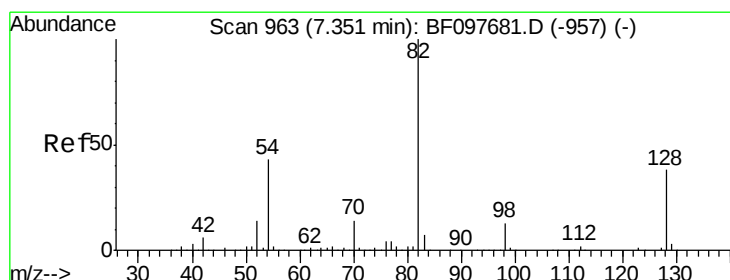
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

8.06



#23

Nitrobenzene-d5

Concen: 28.283 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF097824.D

Acq: 18 Aug 2017 9:46

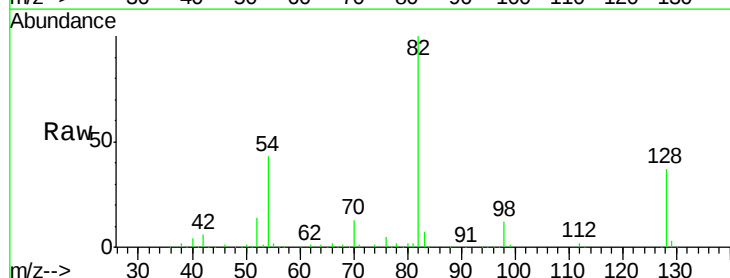
Tgt Ion: 82 Resp: 234671

Ion Ratio Lower Upper

82 100

128 36.5 34.0 51.0

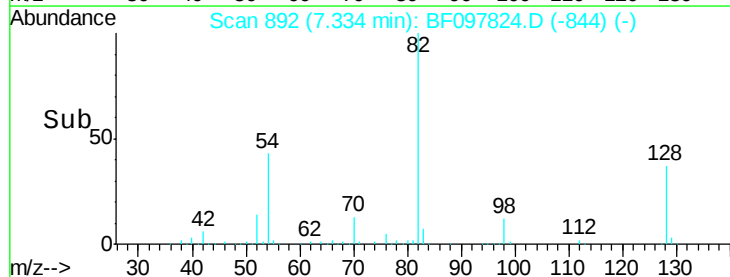
54 43.1 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

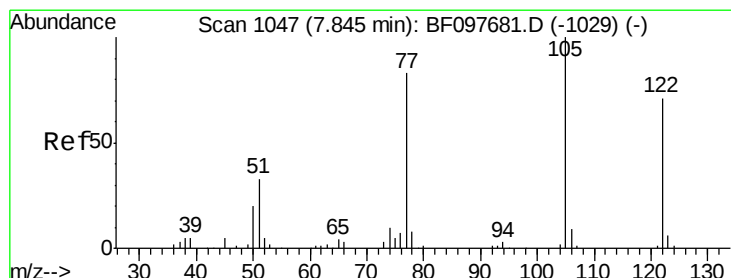
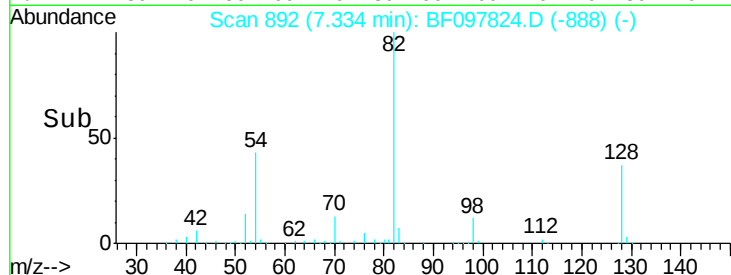
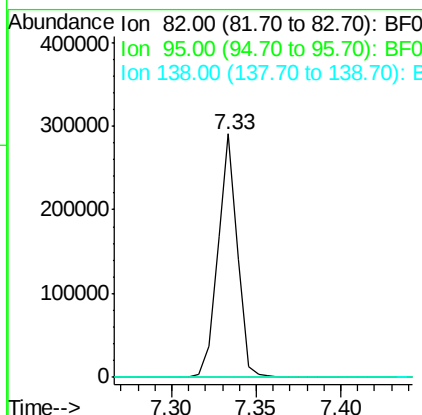
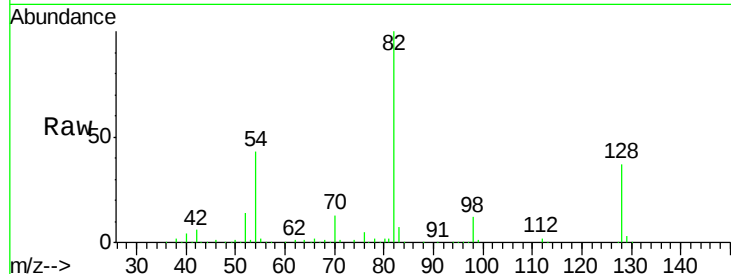
7.33



#25
Isophorone
Concen: 13.491 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.28 min
Lab File: BF097824.D
Acq: 18 Aug 2017 9:46

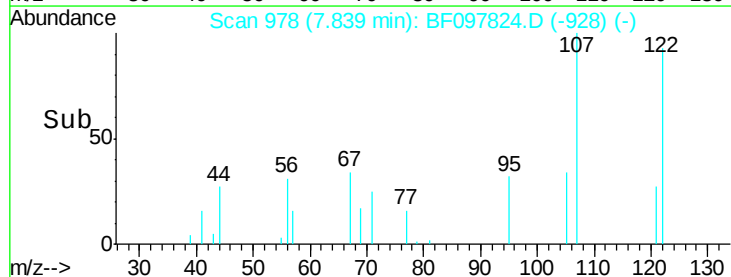
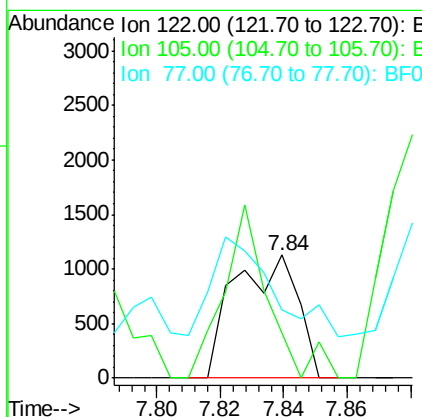
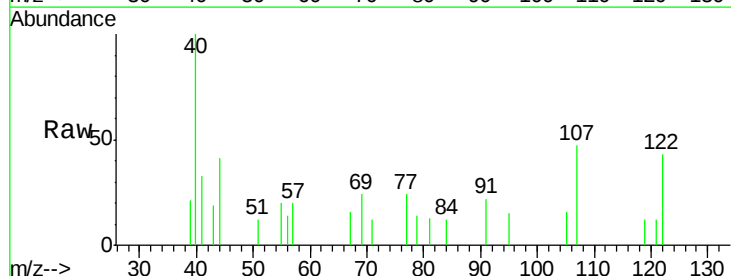
Instrument :
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ClientSampleId :
E2-K10-BASE

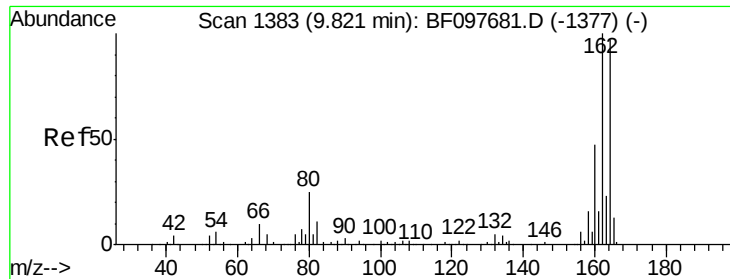
Tgt Ion: 82 Resp: 232752
Ion Ratio Lower Upper
82 100
95 0.1 5.3 7.9#
138 0.0 13.1 19.7#



#32
Benzoic acid
Concen: 6.662 ng
RT: 7.84 min Scan# 978
Delta R.T. -0.01 min
Lab File: BF097824.D
Acq: 18 Aug 2017 9:46

Tgt Ion: 122 Resp: 1560
Ion Ratio Lower Upper
122 100
105 37.0 103.3 143.3#
77 56.0 73.7 113.7#

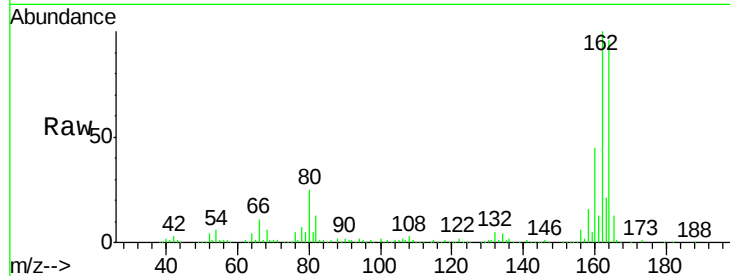




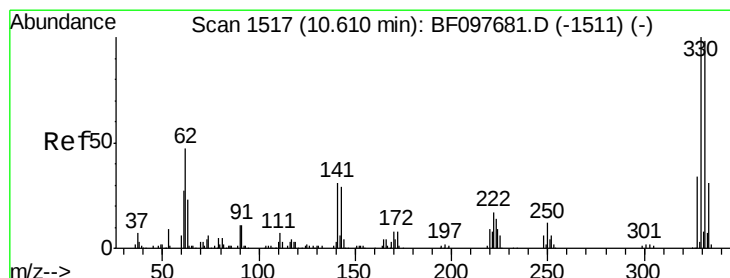
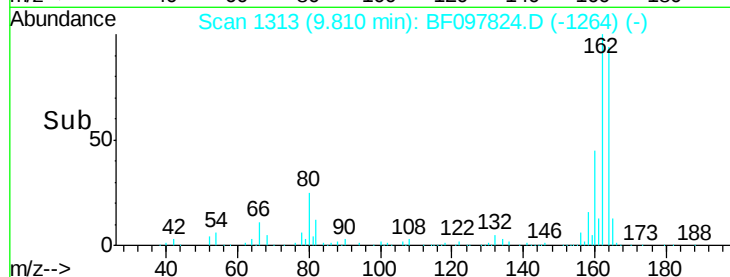
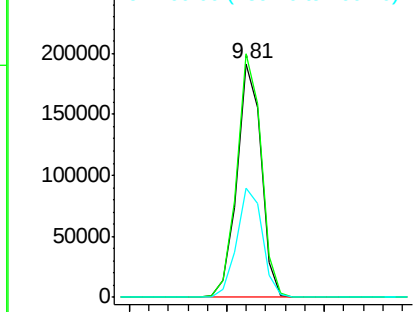
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF097824.D
 Acq: 18 Aug 2017 9:46

Instrument :
 BNA_F
 ClientSampleId :
 E2-K10-BASE

Tgt Ion:164 Resp: 165292
 Ion Ratio Lower Upper
 164 100
 162 104.1 82.6 123.8
 160 46.7 36.2 54.2

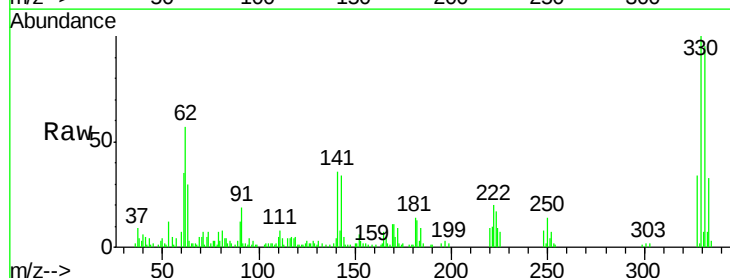


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

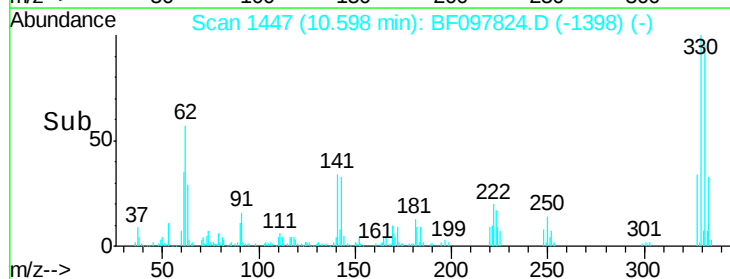
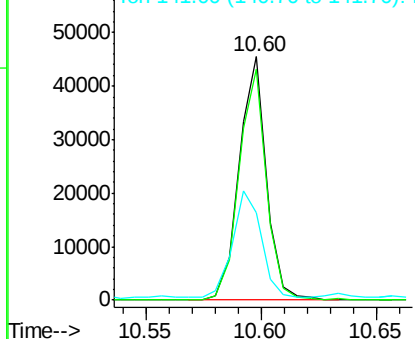


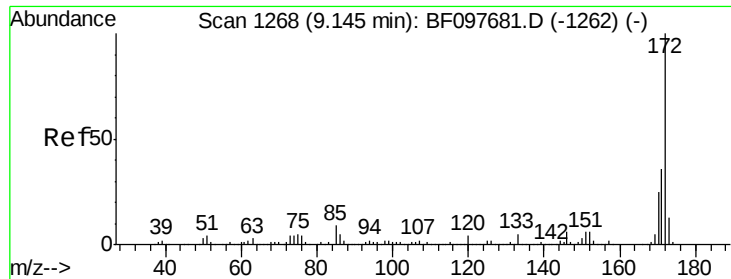
#41
 2,4,6-Tribromophenol
 Concen: 26.057 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097824.D
 Acq: 18 Aug 2017 9:46

Tgt Ion:330 Resp: 37371
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.6 115.0
 141 45.7 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

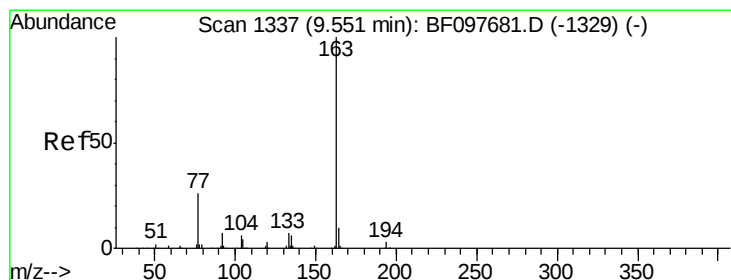
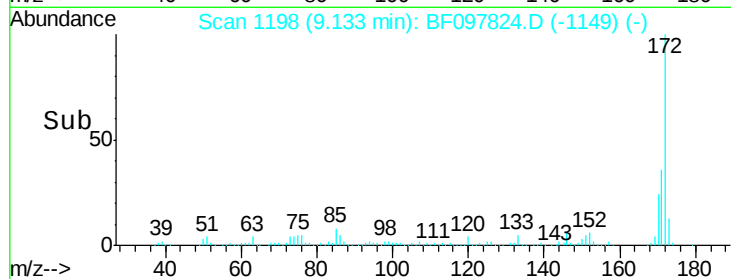
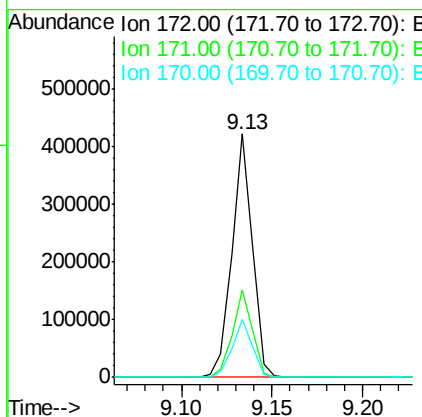
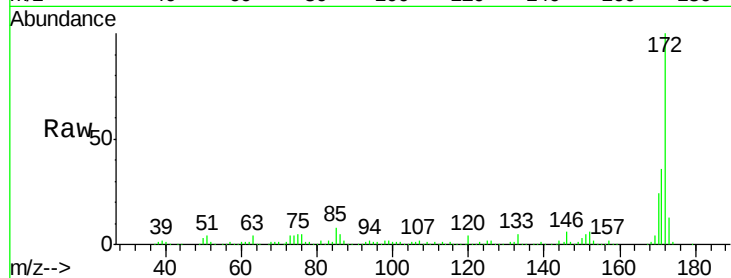




#44
 2-Fluorobiphenyl
 Concen: 29.533 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF097824.D
 Acq: 18 Aug 2017 9:46

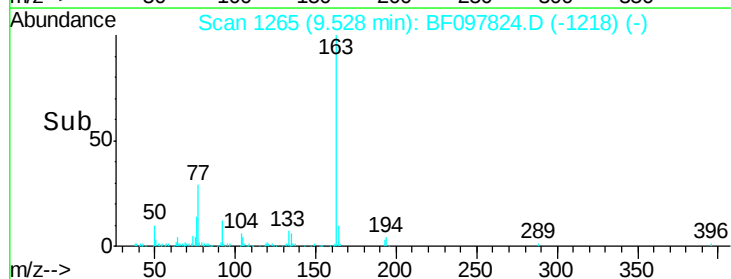
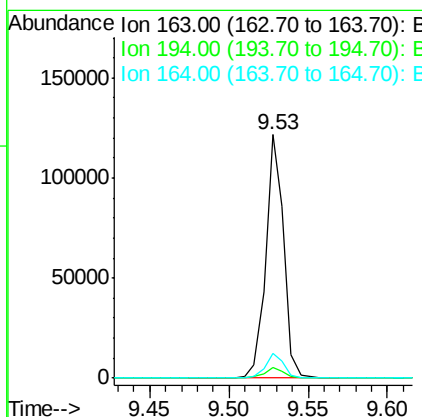
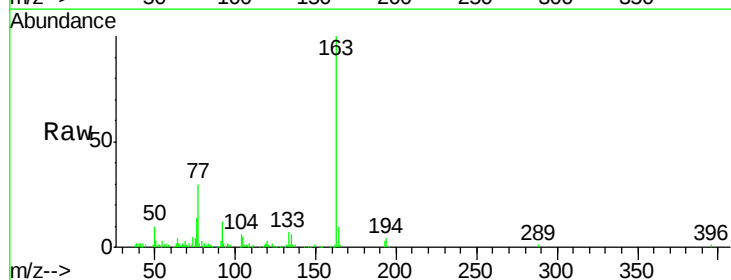
Instrument :
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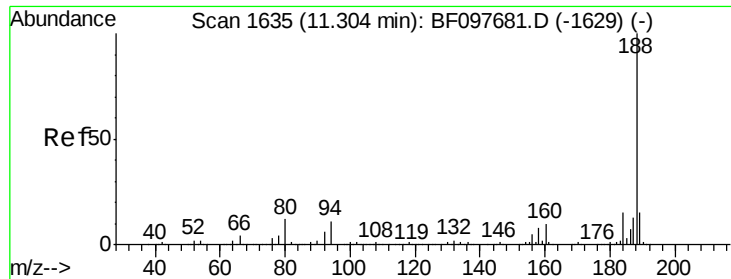
Tgt Ion:172 Resp: 332263
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.6 44.4
 170 23.9 19.8 29.8



#49
 Dimethylphthalate
 Concen: 8.017 ng
 RT: 9.53 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: BF097824.D
 Acq: 18 Aug 2017 9:46

Tgt Ion:163 Resp: 96870
 Ion Ratio Lower Upper
 163 100
 194 4.2 2.6 4.0#
 164 10.0 8.4 12.6

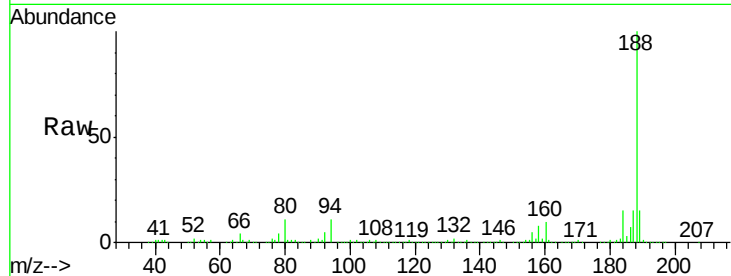




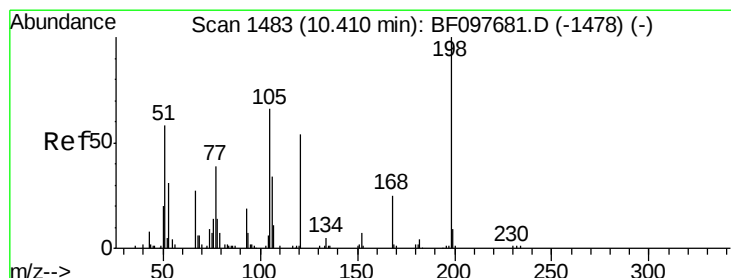
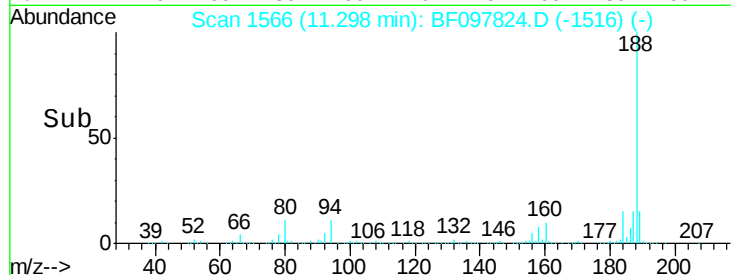
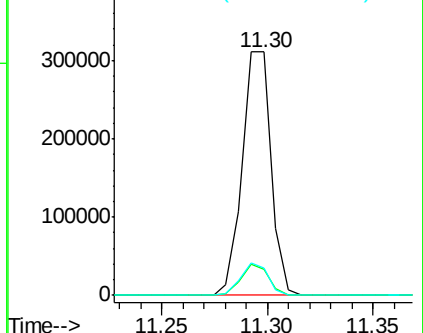
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF097824.D
Acq: 18 Aug 2017 9:46

Instrument :
BNA_F
ClientSampleId :
E2-K10-BASE

Tgt Ion:188 Resp: 296630
Ion Ratio Lower Upper
188 100
94 10.8 9.4 14.2
80 11.3 10.2 15.2

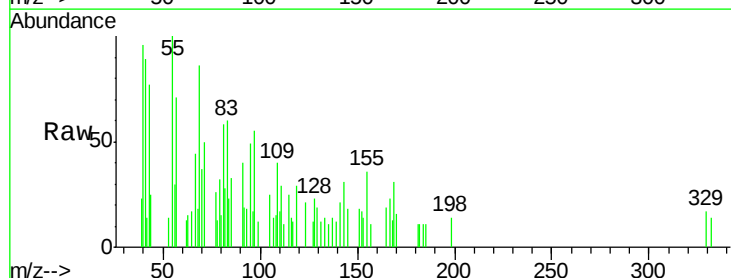


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

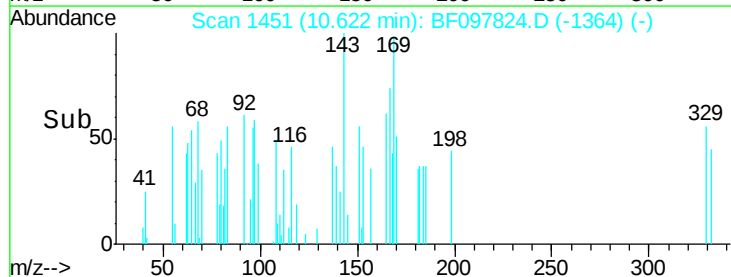
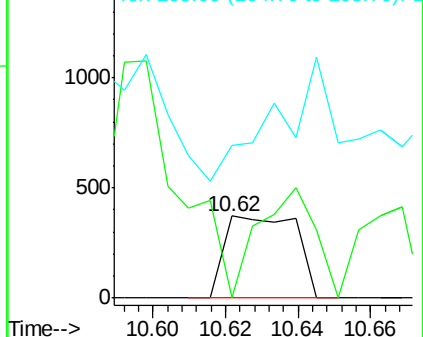


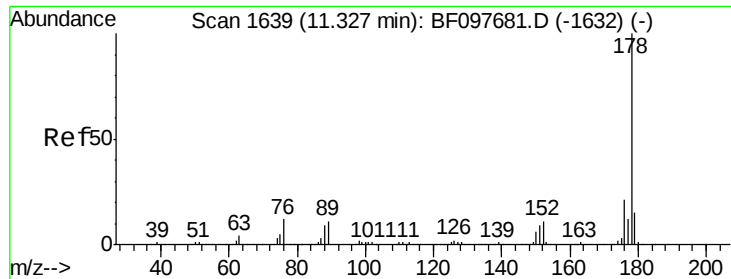
#64
4,6-Dinitro-2-methylphenol
Concen: 8.621 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.21 min
Lab File: BF097824.D
Acq: 18 Aug 2017 9:46

Tgt Ion:198 Resp: 508
Ion Ratio Lower Upper
198 100
51 0.0 53.2 93.2#
105 185.8 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

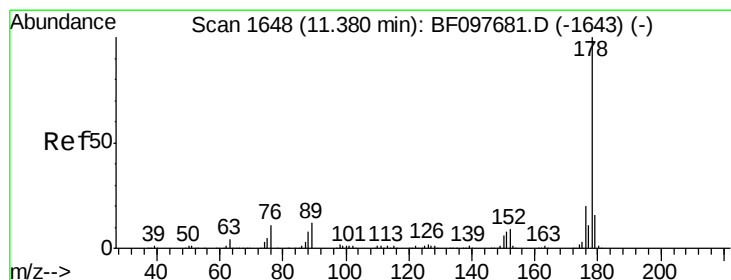
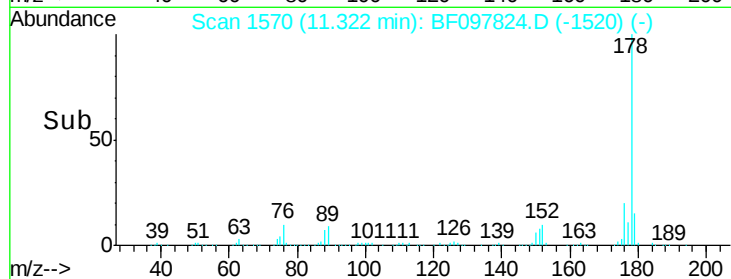
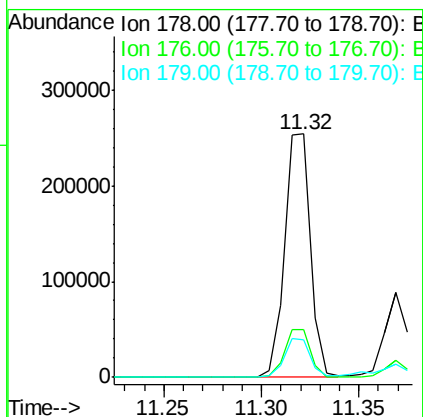
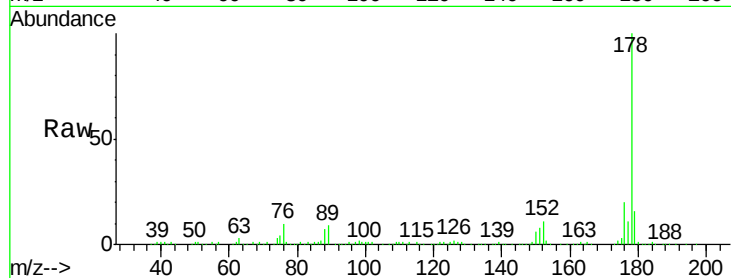




#70
Phenanthrene
Concen: 14.711 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF097824.D
Acq: 18 Aug 2017 9:46

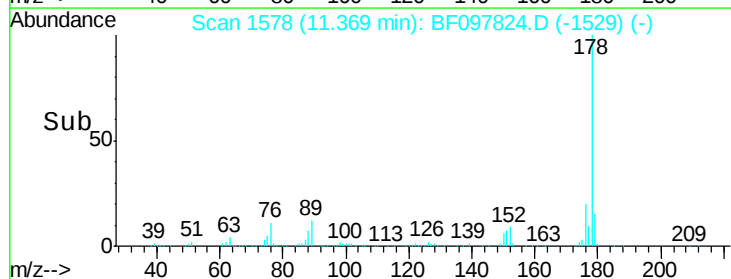
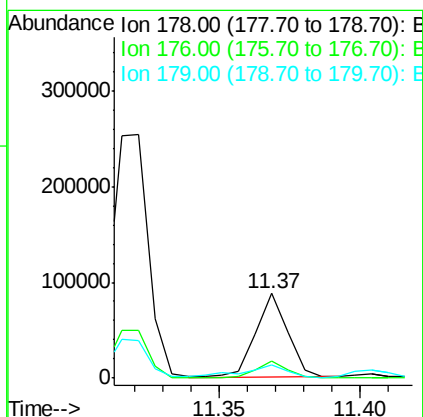
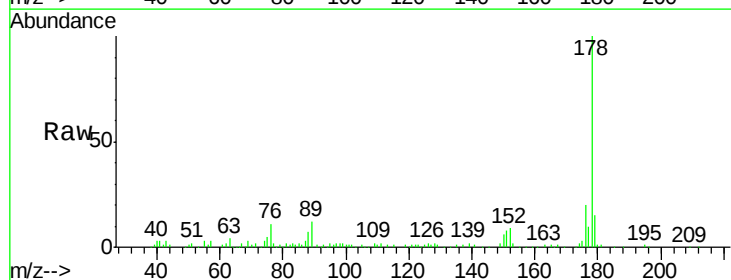
Instrument :
BNA_F
ClientSampleId :
E2-K10-BASE

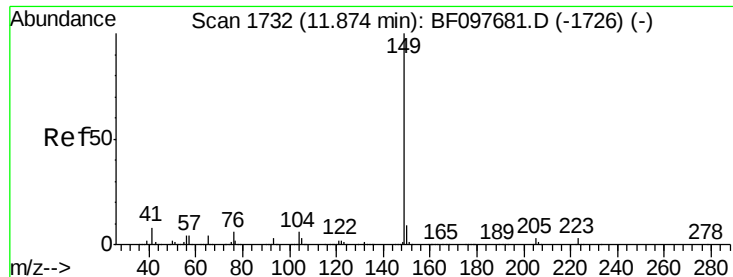
Tgt Ion:178 Resp: 232534
Ion Ratio Lower Upper
178 100
176 19.9 16.2 24.4
179 15.6 12.6 19.0



#71
Anthracene
Concen: 4.308 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF097824.D
Acq: 18 Aug 2017 9:46

Tgt Ion:178 Resp: 69071
Ion Ratio Lower Upper
178 100
176 20.3 15.8 23.8
179 15.4 12.7 19.1





#73

Di-n-butylphthalate

Concen: 2.250 ng

RT: 11.86 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BF097824.D

Acq: 18 Aug 2017 9:46

Instrument :

BNA_F

ClientSampleId :

E2-K10-BASE

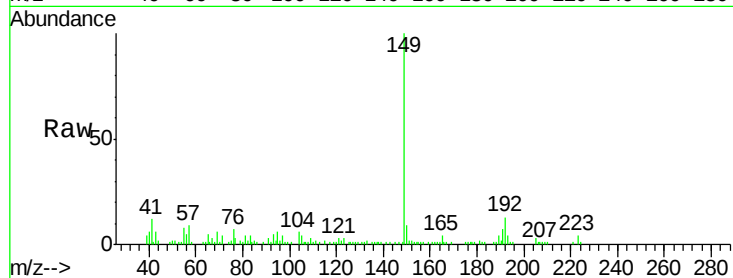
Tgt Ion:149 Resp: 39442

Ion Ratio Lower Upper

149 100

150 8.9 7.7 11.5

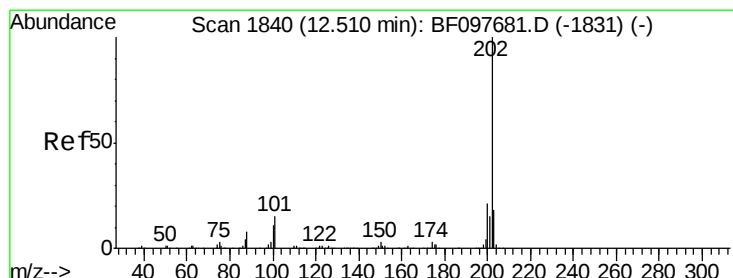
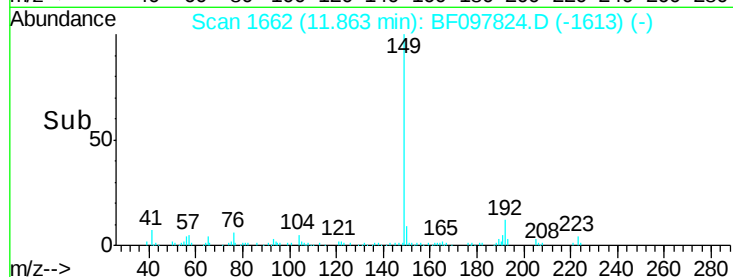
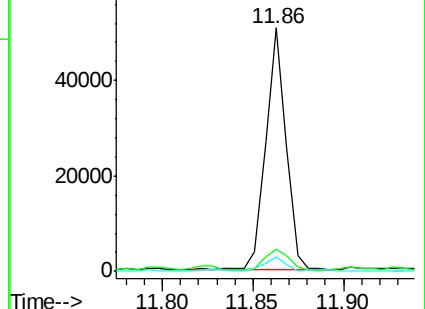
104 6.0 4.0 6.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 28.028 ng

RT: 12.50 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF097824.D

Acq: 18 Aug 2017 9:46

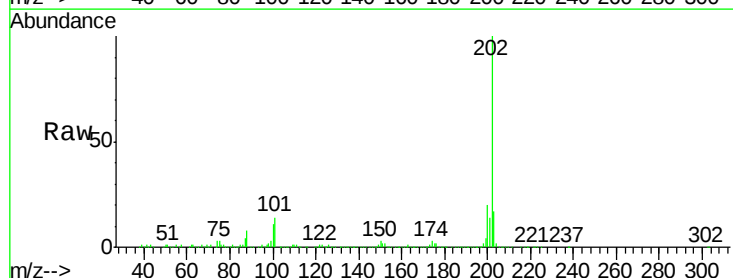
Tgt Ion:202 Resp: 462413

Ion Ratio Lower Upper

202 100

101 14.3 0.0 33.2

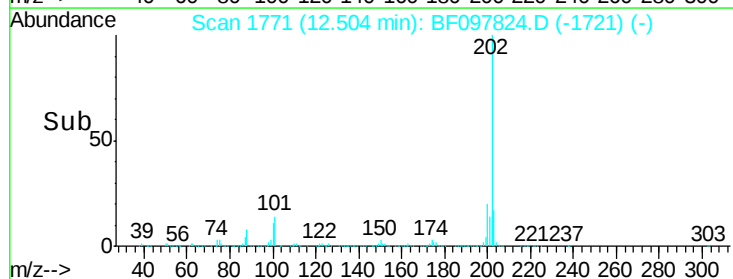
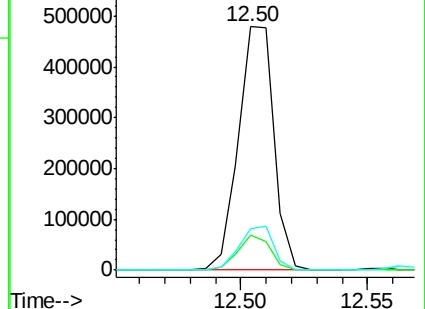
203 17.2 0.0 38.1

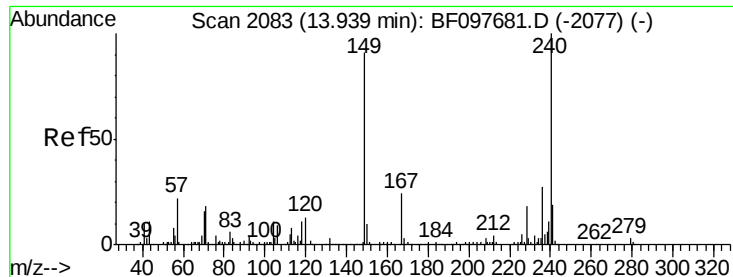


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF097824.D

Acq: 18 Aug 2017 9:46

Instrument :

BNA_F

ClientSampleId :

E2-K10-BASE

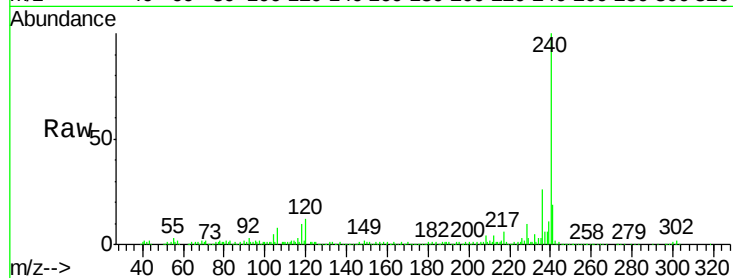
Tgt Ion:240 Resp: 272209

Ion Ratio Lower Upper

240 100

120 12.5 5.8 8.8#

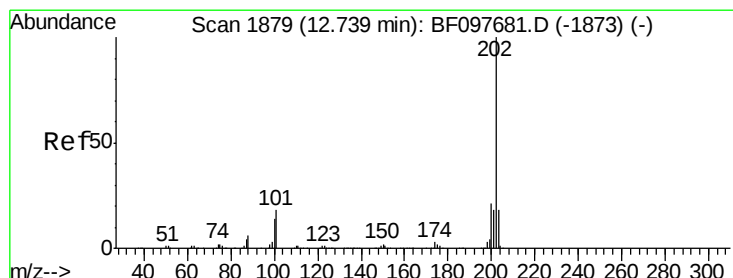
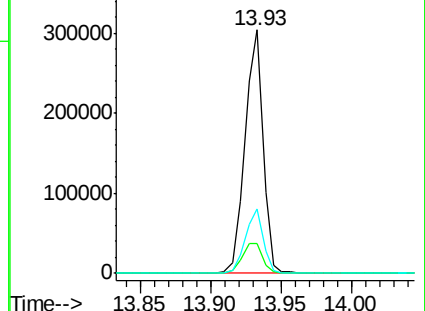
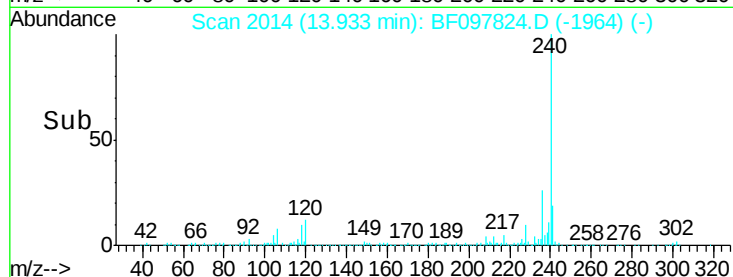
236 26.4 20.5 30.7



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

Pyrene

Concen: 20.105 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF097824.D

Acq: 18 Aug 2017 9:46

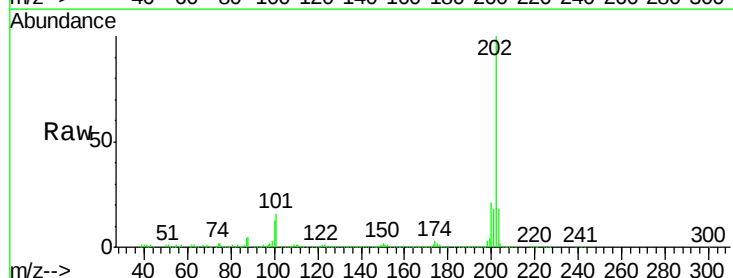
Tgt Ion:202 Resp: 447603

Ion Ratio Lower Upper

202 100

200 20.6 17.6 26.4

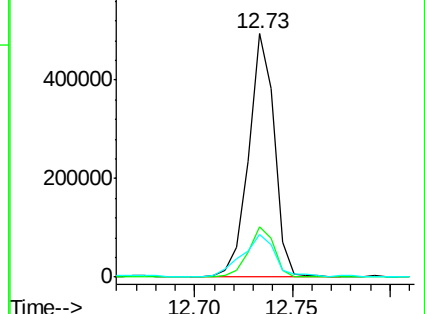
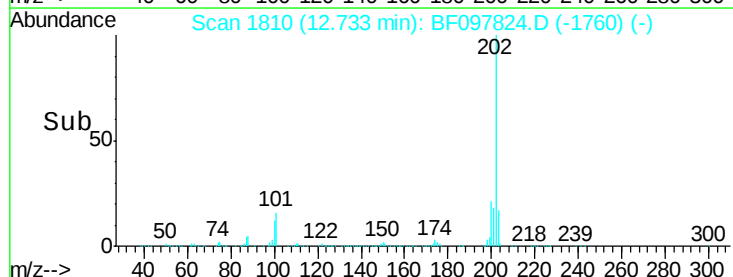
203 17.5 14.4 21.6

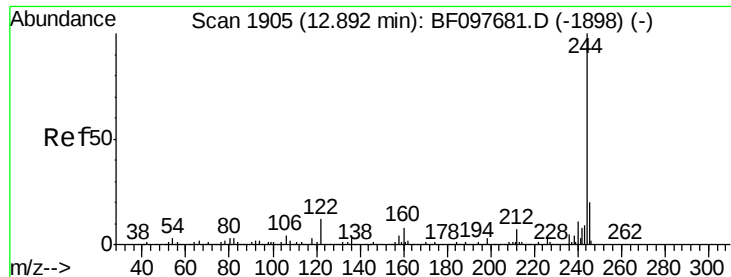


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 20.801 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF097824.D

Acq: 18 Aug 2017 9:46

Instrument :

BNA_F

ClientSampleId :

E2-K10-BASE

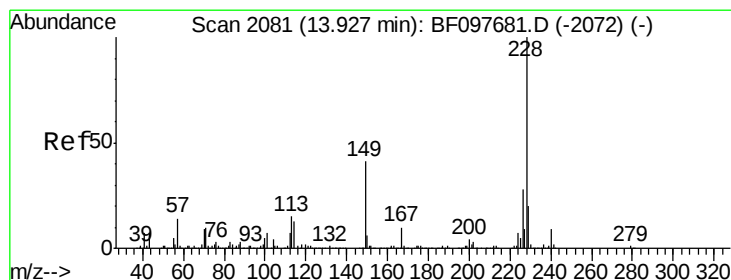
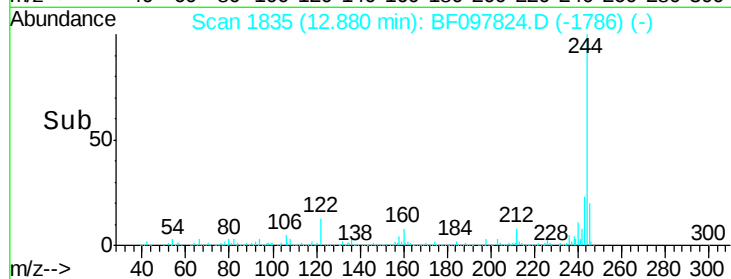
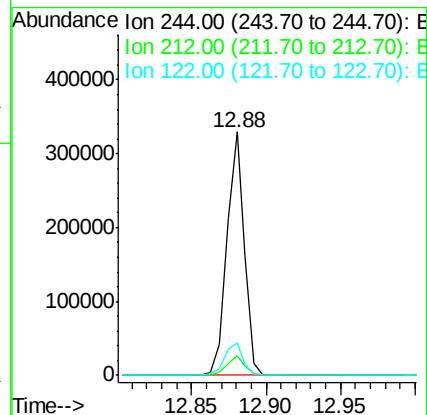
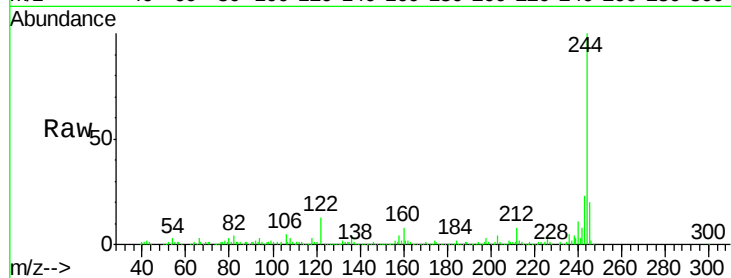
Tgt Ion:244 Resp: 271528

Ion Ratio Lower Upper

244 100

212 7.9 6.0 9.0

122 13.1 10.3 15.5



#80

Benzo(a)anthracene

Concen: 11.933 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF097824.D

Acq: 18 Aug 2017 9:46

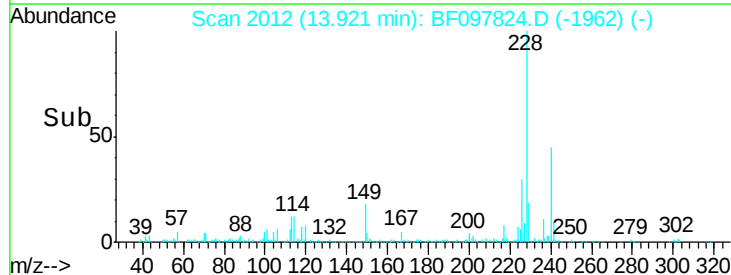
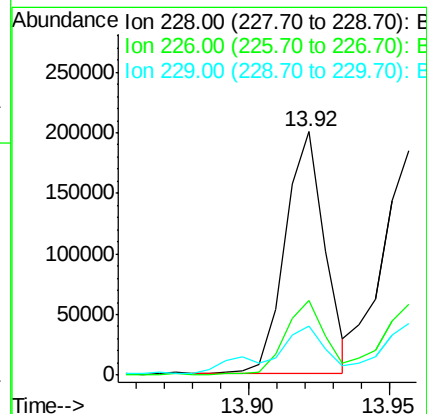
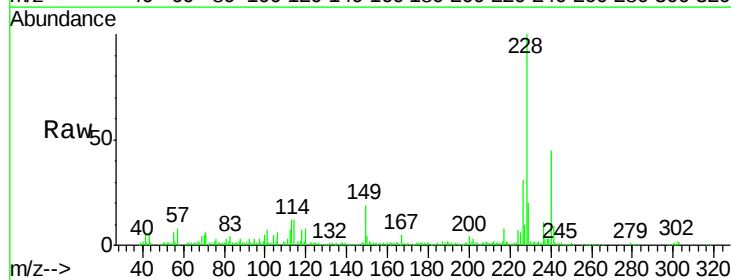
Tgt Ion:228 Resp: 194682

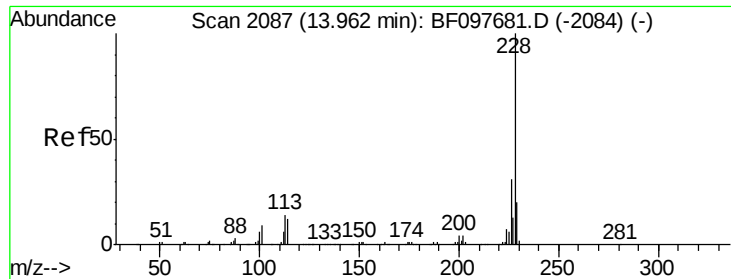
Ion Ratio Lower Upper

228 100

226 30.5 22.6 33.8

229 19.9 16.3 24.5





#82

Chrysene

Concen: 11.339 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF097824.D

Acq: 18 Aug 2017 9:46

Instrument :

BNA_F

ClientSampleId :

E2-K10-BASE

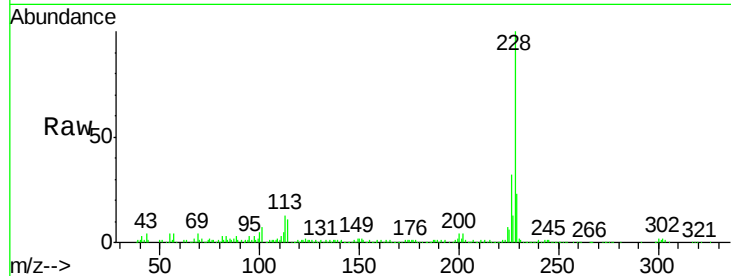
Tgt Ion: 228 Resp: 184028

Ion Ratio Lower Upper

228 100

226 31.8 24.9 37.3

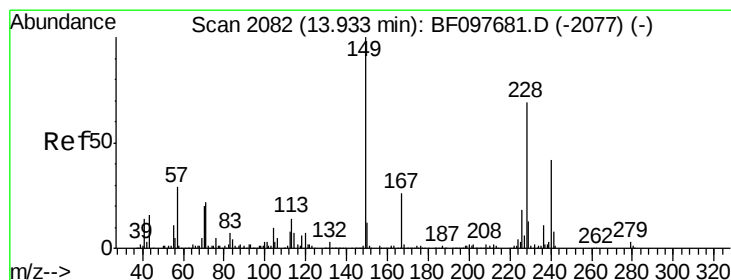
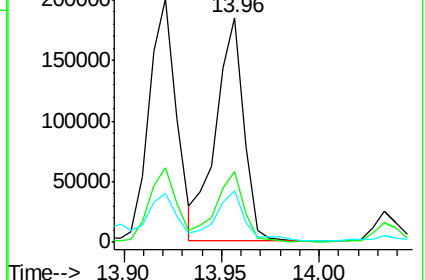
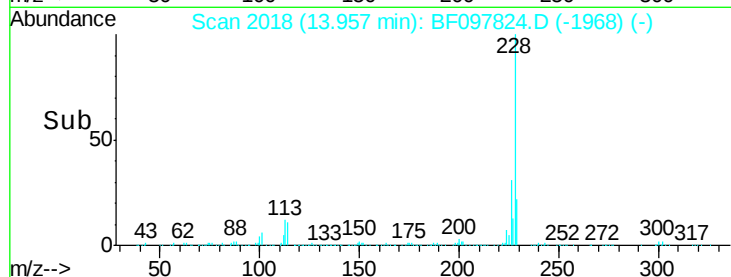
229 23.0 15.8 23.6



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.488 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF097824.D

Acq: 18 Aug 2017 9:46

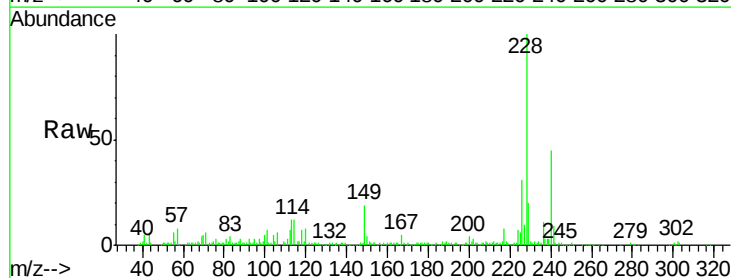
Tgt Ion: 149 Resp: 32992

Ion Ratio Lower Upper

149 100

167 27.4 21.0 31.4

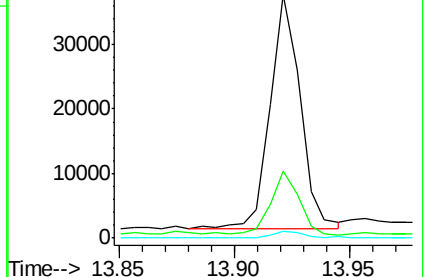
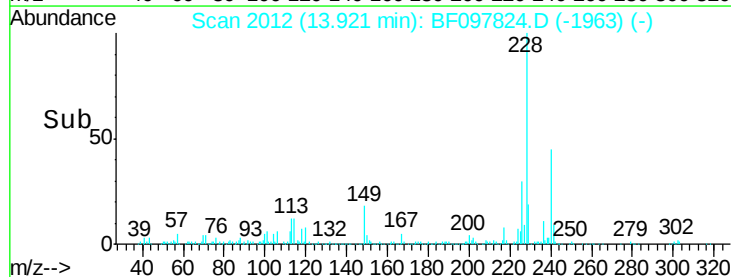
279 2.9 1.9 2.9#

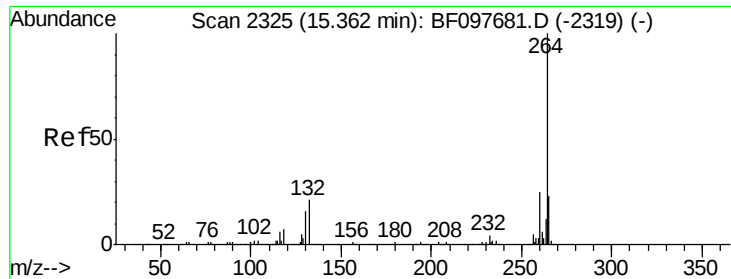


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

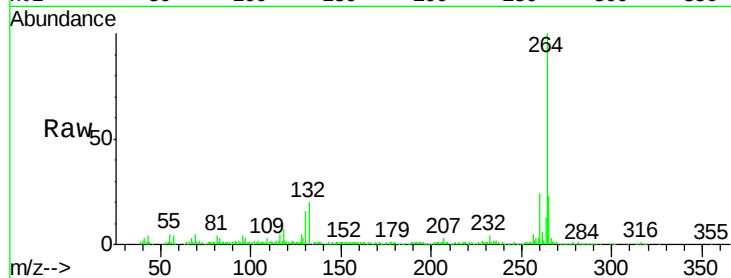




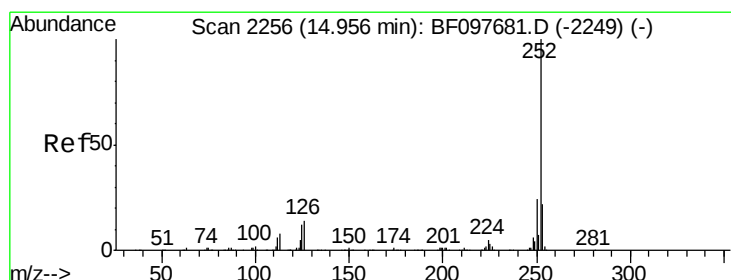
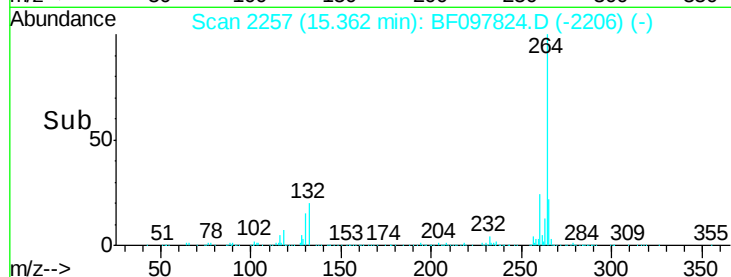
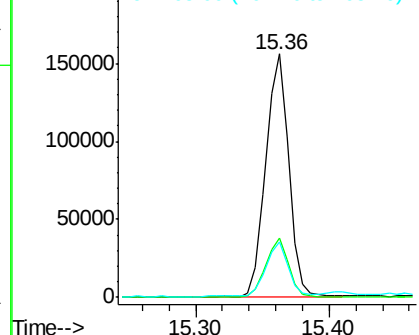
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097824.D
Acq: 18 Aug 2017 9:46

Instrument :
BNA_F
ClientSampleId :
E2-K10-BASE

Tgt Ion: 264 Resp: 187722
Ion Ratio Lower Upper
264 100
260 24.4 19.5 29.3
265 22.7 17.2 25.8

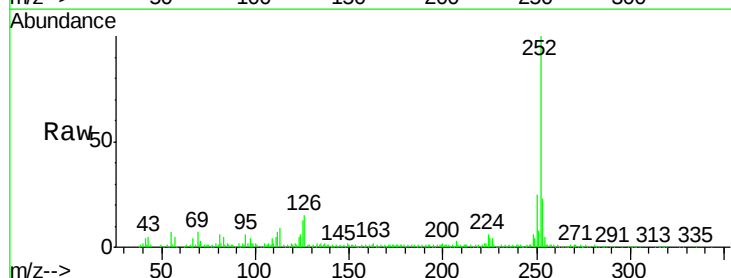


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

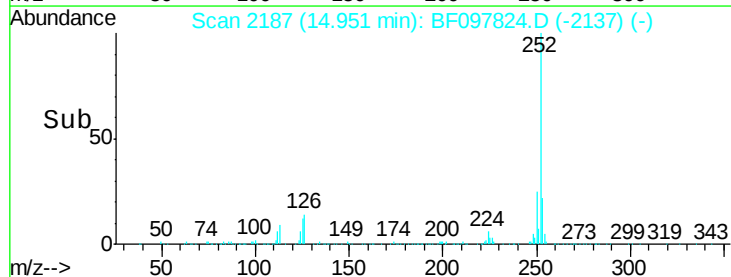
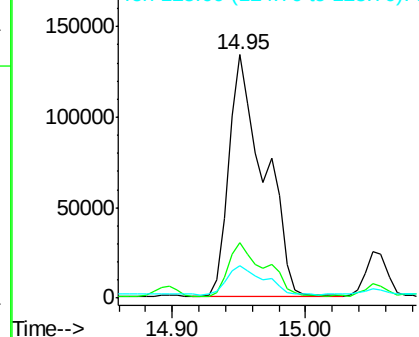


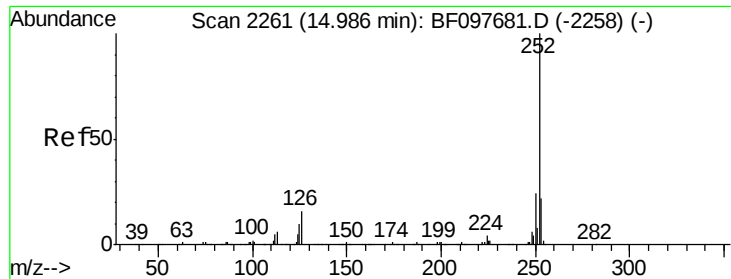
#87
Benzo(b)fluoranthene
Concen: 20.775 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF097824.D
Acq: 18 Aug 2017 9:46

Tgt Ion: 252 Resp: 245829
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 13.4 9.8 14.8



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

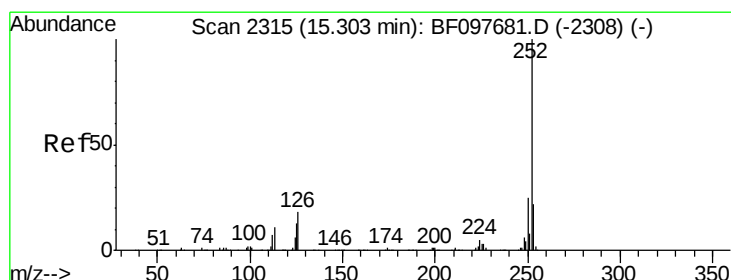
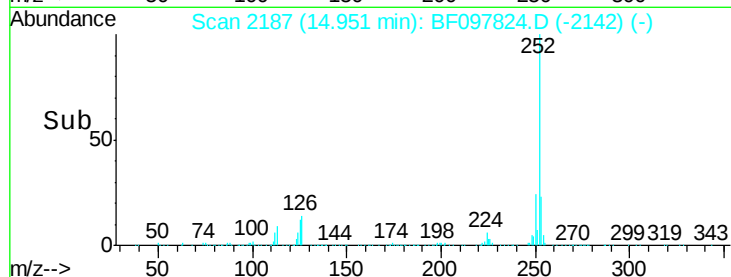
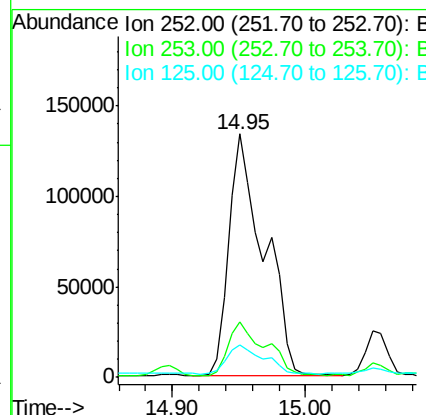
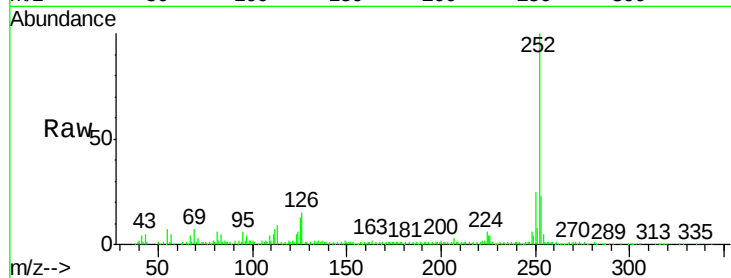




#88
Benzo(k)fluoranthene
Concen: 22.113 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.04 min
Lab File: BF097824.D
Acq: 18 Aug 2017 9:46

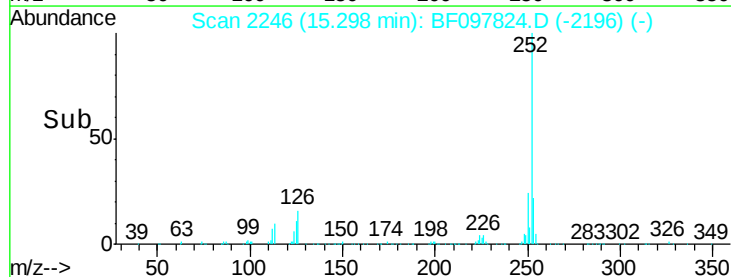
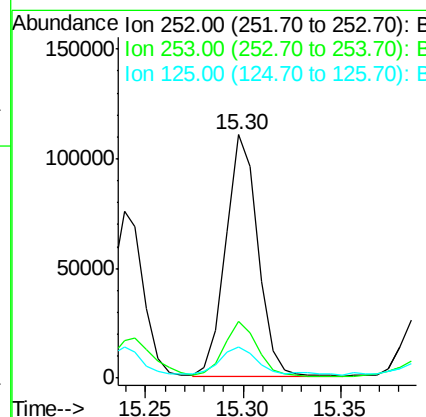
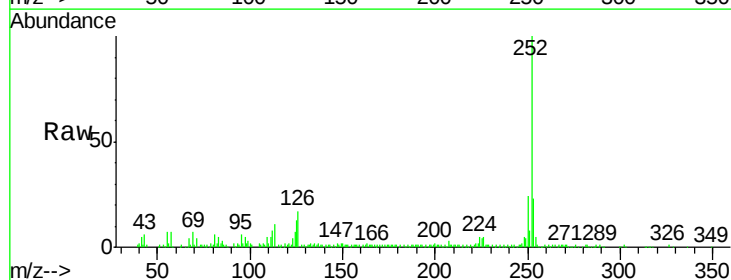
Instrument :
BNA_F
ClientSampleId :
E2-K10-BASE

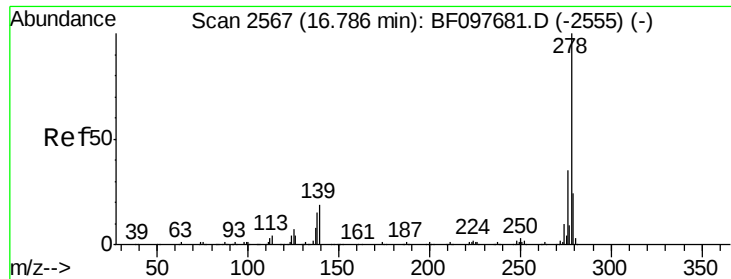
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	13.4	13.1	19.7



#89
Benzo(a)pyrene
Concen: 12.096 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF097824.D
Acq: 18 Aug 2017 9:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	13.0	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 2.063 ng

RT: 16.77 min Scan# 2496

Delta R.T. -0.02 min

Lab File: BF097824.D

Acq: 18 Aug 2017 9:46

Instrument :

BNA_F

ClientSampleId :

E2-K10-BASE

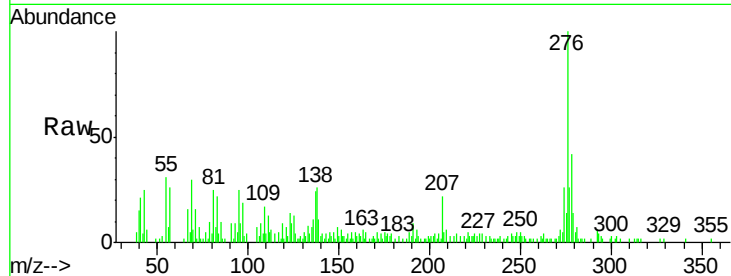
Tgt Ion: 278 Resp: 17595

Ion Ratio Lower Upper

278 100

139 26.3 16.6 24.8#

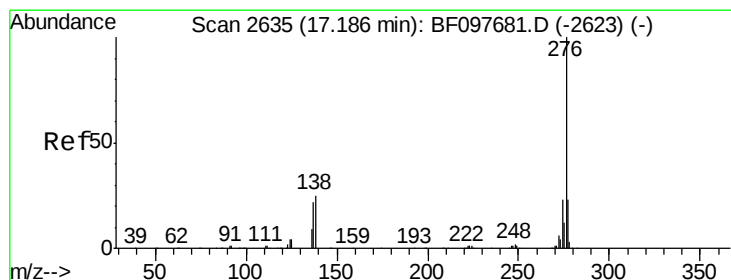
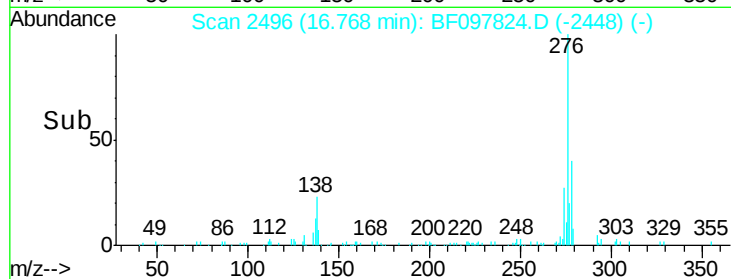
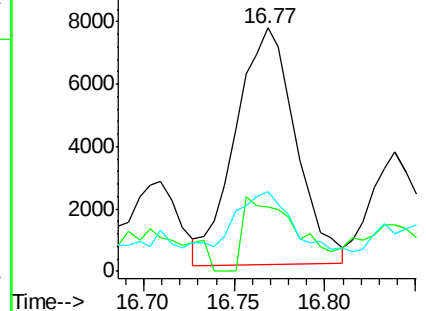
279 33.0 19.3 28.9#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 7.279 ng

RT: 17.17 min Scan# 2565

Delta R.T. -0.01 min

Lab File: BF097824.D

Acq: 18 Aug 2017 9:46

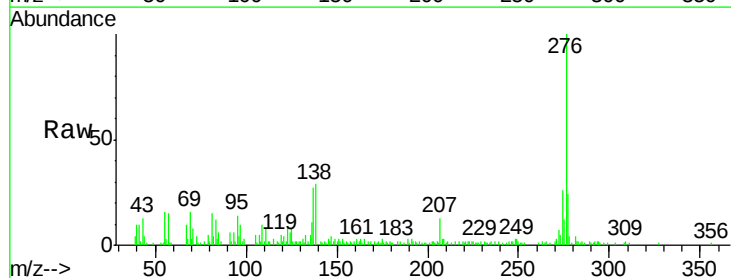
Tgt Ion: 276 Resp: 64774

Ion Ratio Lower Upper

276 100

277 24.4 18.6 28.0

138 28.9 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

