

Data Path : Z:\HPCHEM1\BNA_F\Data\BF062117\
 Data File : BF096083.D
 Acq On : 21 Jun 2017 14:27
 Operator : SJ/MA
 Sample : I3782-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK4-4-20170619

Quant Time: Jun 21 16:21:29 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	90400	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	363043	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	149664	20.00	ng	-0.01
63) Phenanthrene-d10	14.53	188	243202	20.00	ng	0.00
75) Chrysene-d12	18.27	240	158301	20.00	ng	0.00
86) Perylene-d12	19.94	264	151204	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.18	112	690958	121.79	ng	0.00
7) Phenol-d6	6.87	99	858498	126.40	ng	0.00
23) Nitrobenzene-d5	8.22	82	492000	84.16	ng	0.00
41) 2,4,6-Tribromophenol	13.44	330	153058	115.59	ng	0.00
44) 2-Fluorobiphenyl	11.10	172	990542	92.10	ng	0.00
78) Terphenyl-d14	16.92	244	553858	86.83	ng	0.00

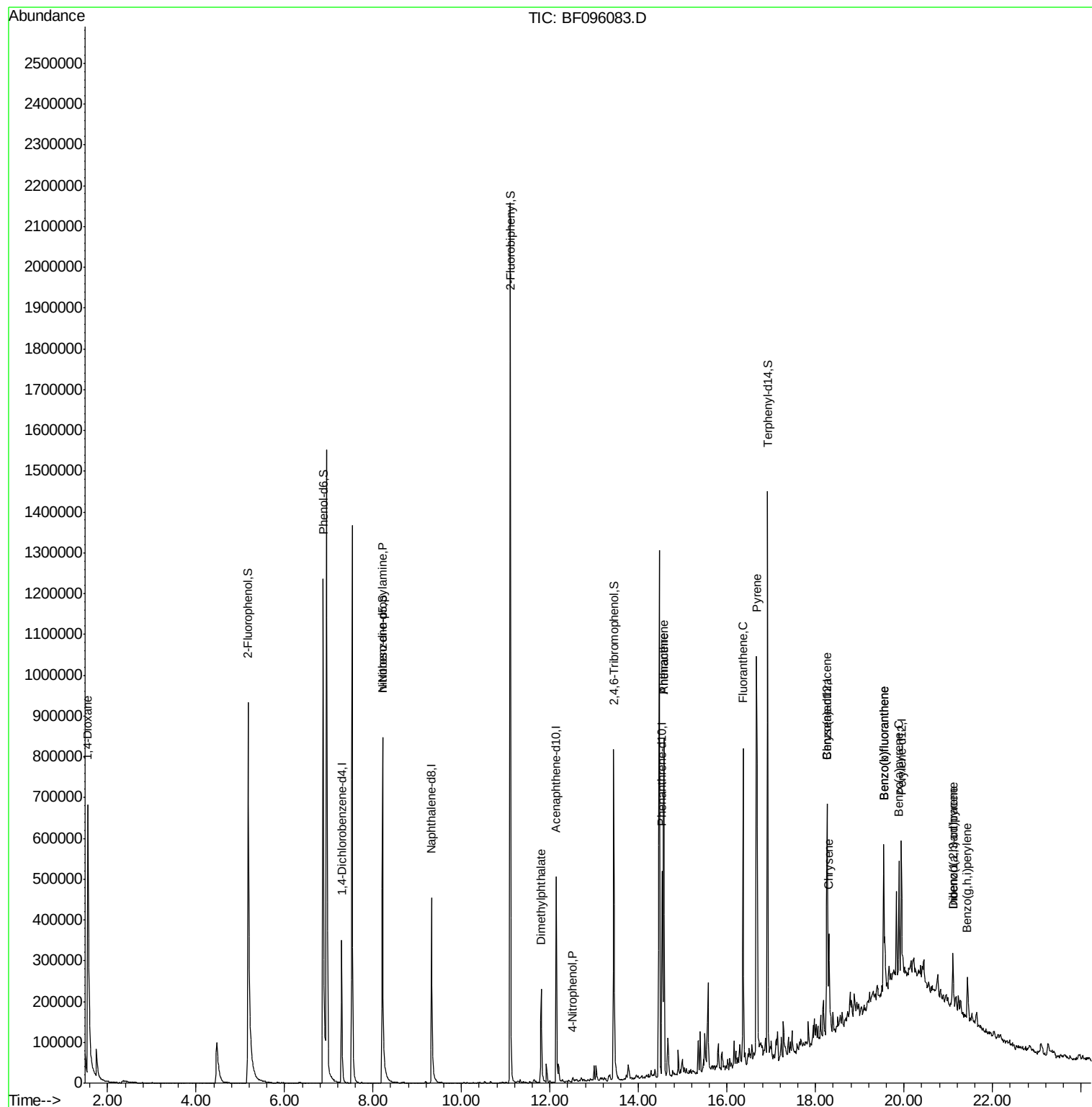
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.55	88	35057	12.990	ng	# 21
19) n-Nitroso-di-n-propylamine	8.22	70	61361	14.256	ng	# 74
49) Dimethylphthalate	11.80	163	160104	14.089	ng	99
55) 4-Nitrophenol	12.51	139	3779	6.739	ng	# 25
70) Phenanthrene	14.57	178	230591	16.433	ng	98
71) Anthracene	14.57	178	230591	15.740	ng	99
74) Fluoranthene	16.36	202	398520	28.693	ng	98
77) Pyrene	16.66	202	380563	32.219	ng	# 95
80) Benzo(a)anthracene	18.26	228	136935	14.878	ng	94
82) Chrysene	18.30	228	139528	15.170	ng	97
85) Indeno(1,2,3-cd)pyrene	21.11	276	80412	10.218	ng	# 89
87) Benzo(b)fluoranthene	19.54	252	243027	25.669	ng	# 95
88) Benzo(k)fluoranthene	19.54	252	243027	26.854	ng	97
89) Benzo(a)pyrene	19.89	252	134419	15.447	ng	96
90) Dibenzo(a,h)anthracene	21.10	278	30146	4.084	ng	# 83
91) Benzo(g,h,i)perylene	21.43	276	72402	9.621	ng	98

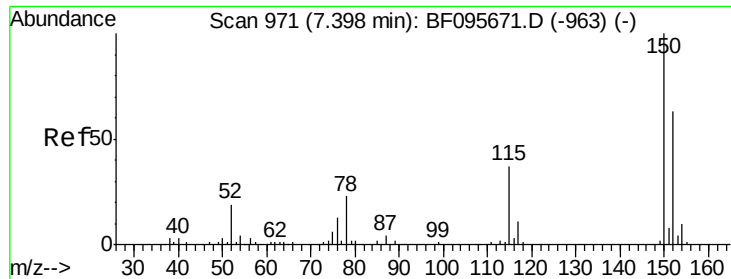
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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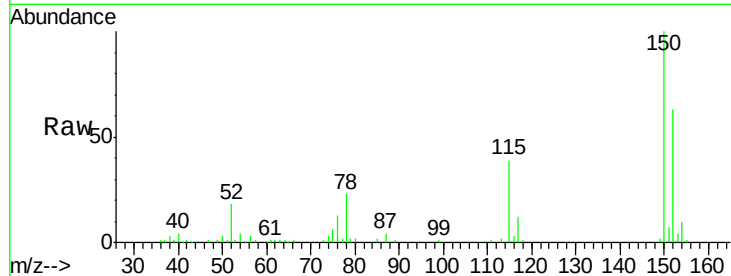


#1

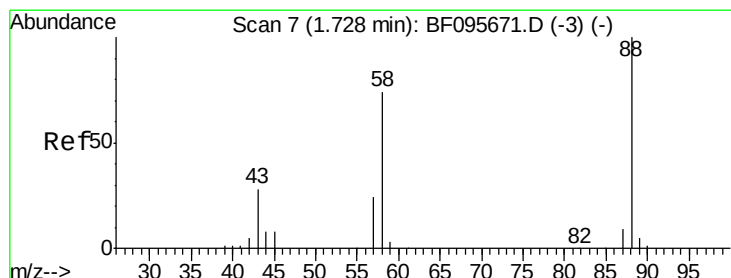
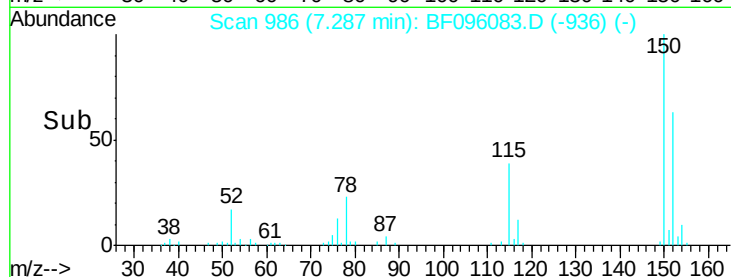
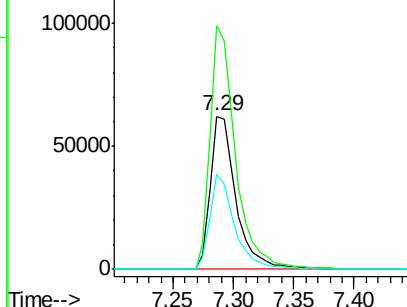
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.29 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF096083.D
Acq: 21 Jun 2017 14:27

Instrument :
BNA_F
ClientSampleId :
TK4-4-20170619

Tgt Ion:152 Resp: 90400
Ion Ratio Lower Upper
152 100
150 158.7 126.2 189.2
115 62.3 52.2 78.2



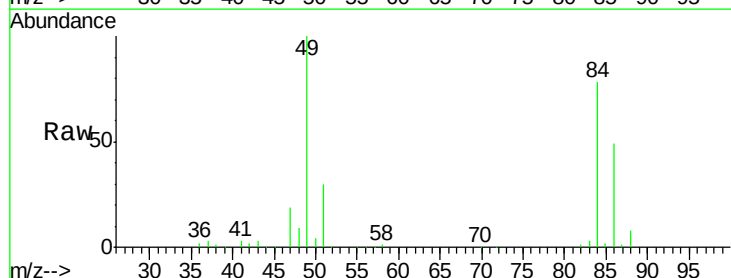
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



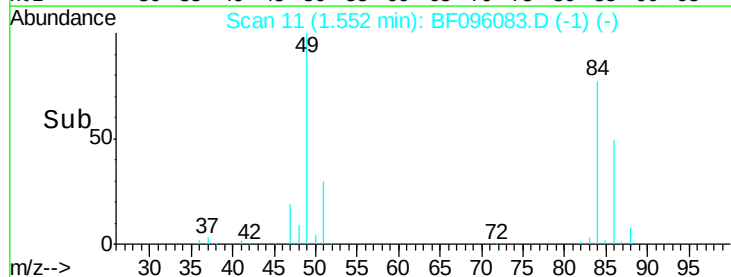
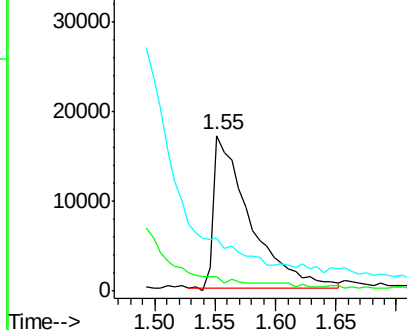
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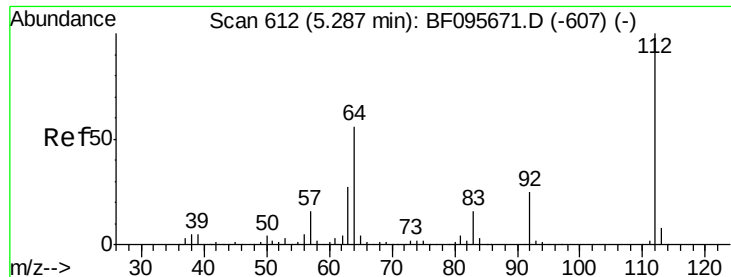
1,4-Dioxane
Concen: 12.990 ng
RT: 1.55 min Scan# 11
Delta R.T. -0.06 min
Lab File: BF096083.D
Acq: 21 Jun 2017 14:27

Tgt Ion: 88 Resp: 35057
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 0.0 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 121.793 ng

RT: 5.18 min Scan# 628

Delta R.T. 0.00 min

Lab File: BF096083.D

Acq: 21 Jun 2017 14:27

Instrument :

BNA_F

ClientSampleId :

TK4-4-20170619

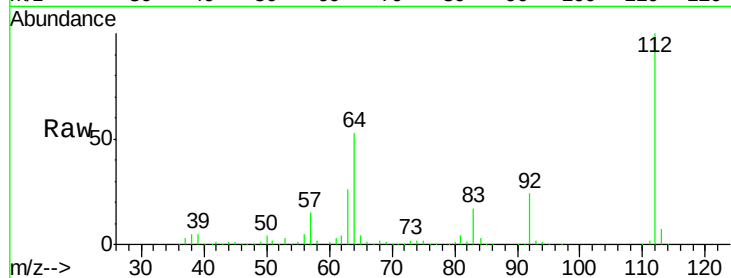
Tgt Ion: 112 Resp: 690958

Ion Ratio Lower Upper

112 100

64 52.7 46.0 69.0

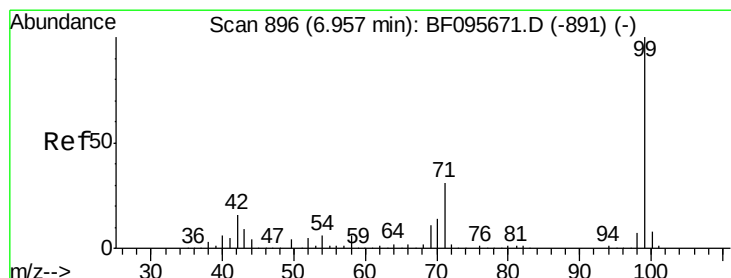
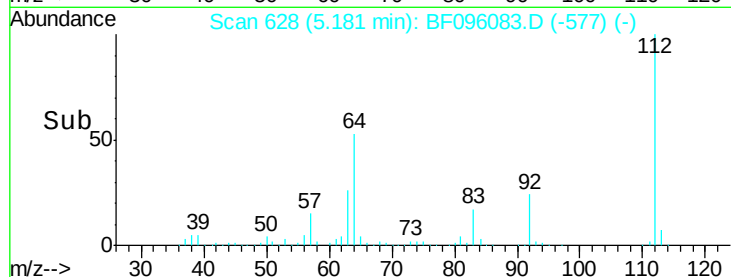
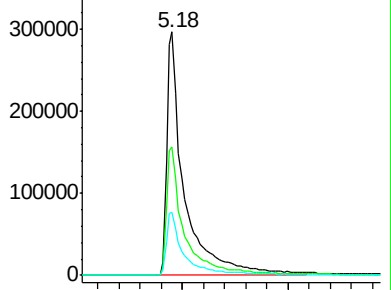
63 25.9 23.4 35.0



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: 126.402 ng

RT: 6.87 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF096083.D

Acq: 21 Jun 2017 14:27

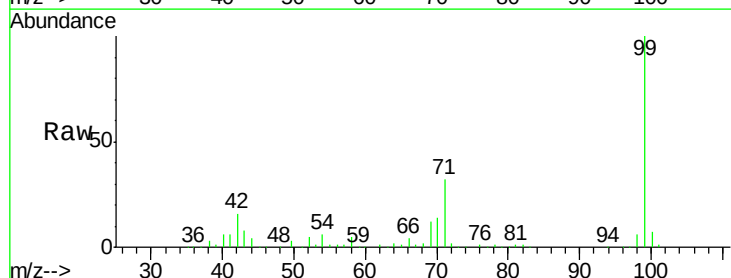
Tgt Ion: 99 Resp: 858498

Ion Ratio Lower Upper

99 100

42 16.1 13.5 20.3

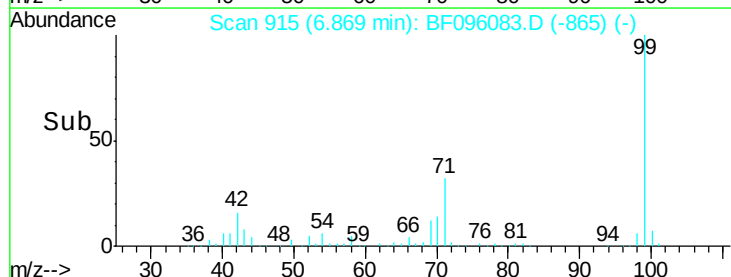
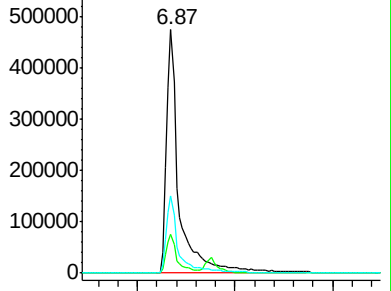
71 31.9 24.5 36.7

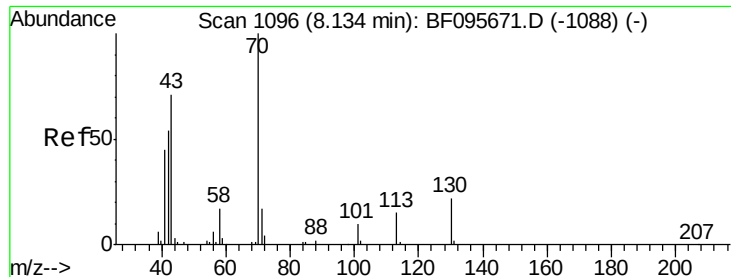


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

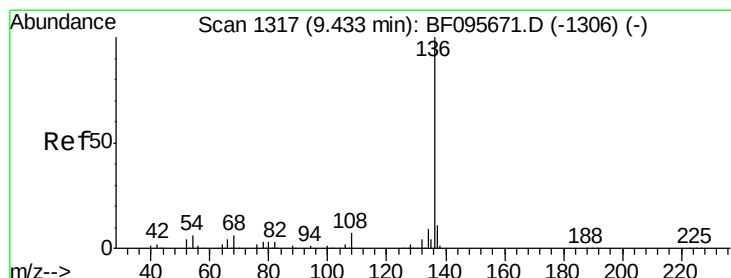
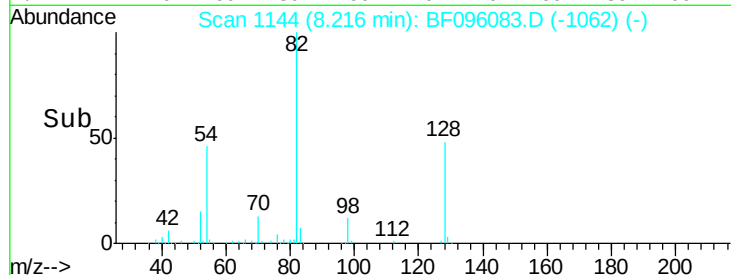
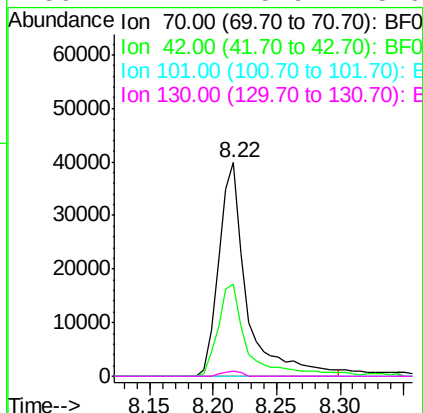
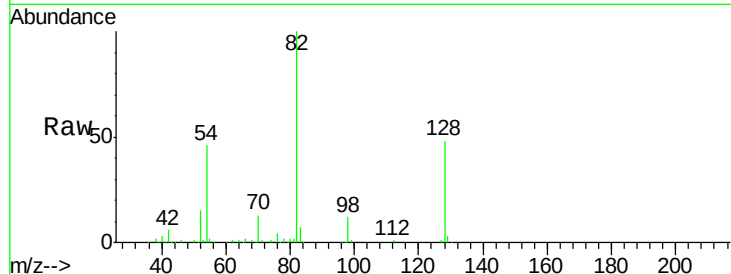




#19
n-Nitroso-di-n-propylamine
Concen: 14.256 ng
RT: 8.22 min Scan# 1144
Delta R.T. 0.18 min
Lab File: BF096083.D
Acq: 21 Jun 2017 14:27

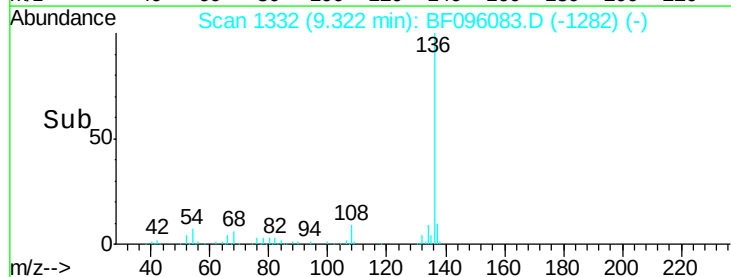
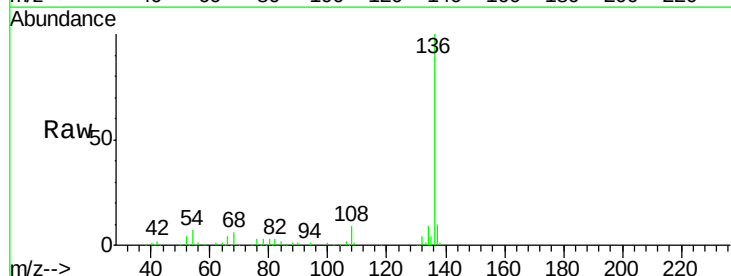
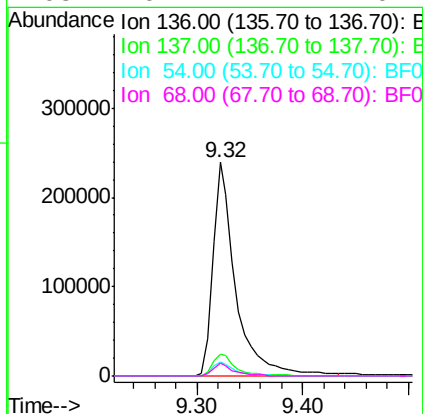
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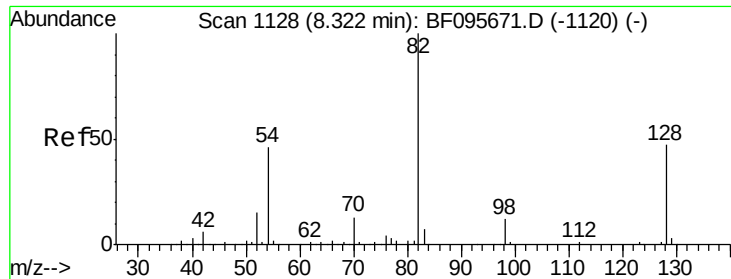
Tgt Ion: 70 Resp: 61361
Ion Ratio Lower Upper
70 100
42 43.1 47.2 70.8#
101 0.0 7.2 10.8#
130 2.1 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 9.32 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF096083.D
Acq: 21 Jun 2017 14:27

Tgt Ion: 136 Resp: 363043
Ion Ratio Lower Upper
136 100
137 10.3 8.5 12.7
54 6.6 4.9 7.3
68 6.1 4.1 6.1

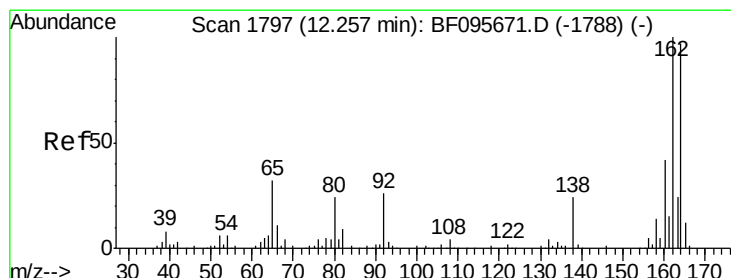
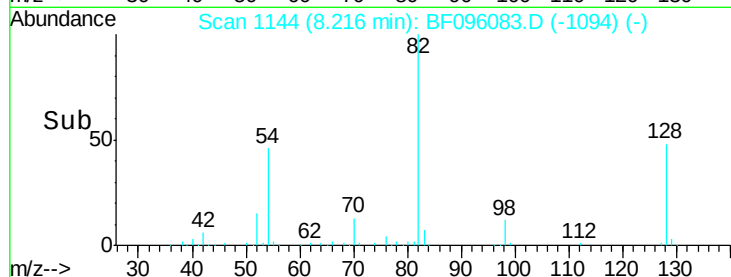
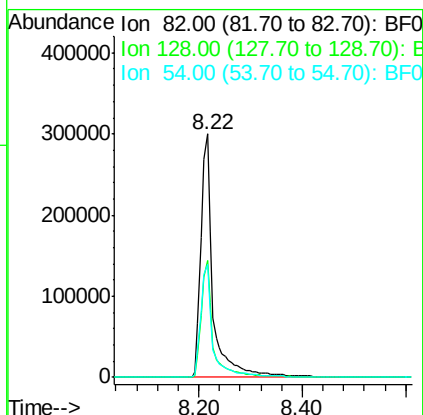
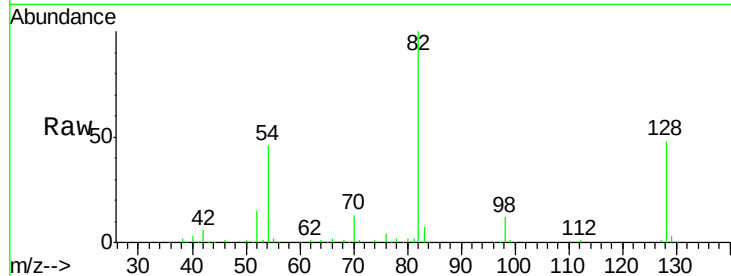




#23
 Nitrobenzene-d5
 Concen: 84.165 ng
 RT: 8.22 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: BF096083.D
 Acq: 21 Jun 2017 14:27

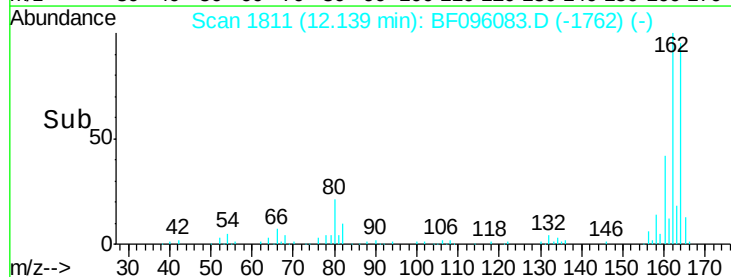
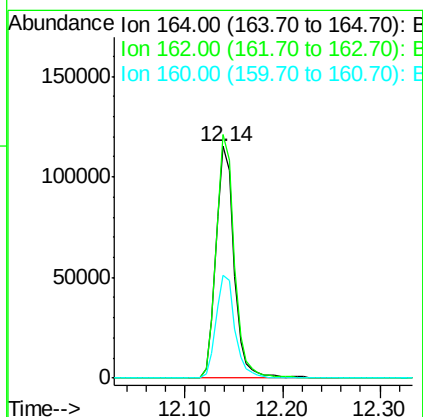
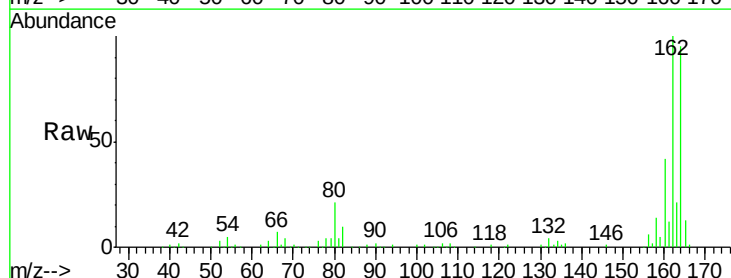
Instrument :
 BNA_F
 ClientSampleId :
 TK4-4-20170619

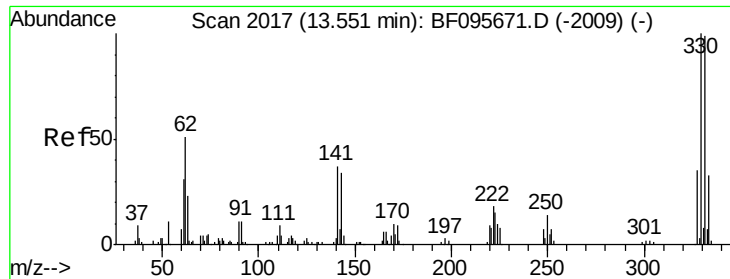
Tgt Ion: 82 Resp: 492000
 Ion Ratio Lower Upper
 82 100
 128 48.0 34.0 51.0
 54 46.4 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 12.14 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: BF096083.D
 Acq: 21 Jun 2017 14:27

Tgt Ion: 164 Resp: 149664
 Ion Ratio Lower Upper
 164 100
 162 104.9 82.6 123.8
 160 44.5 36.2 54.2

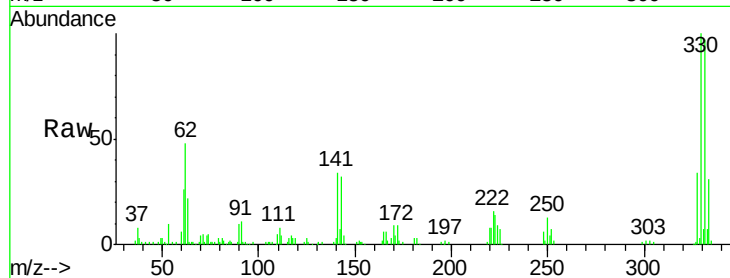




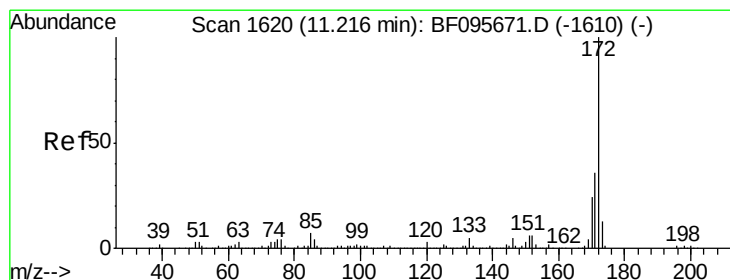
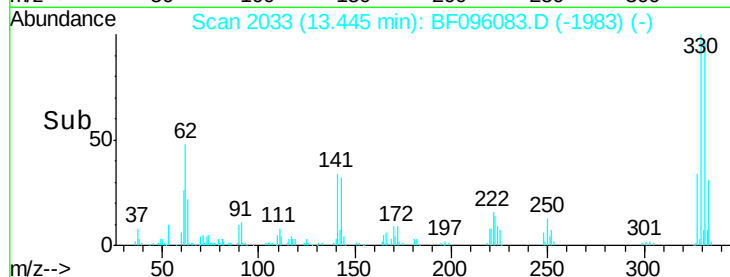
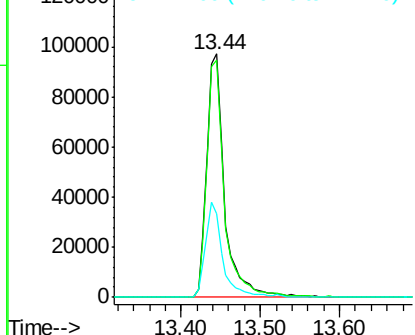
#41
 2,4,6-Tribromophenol
 Concen: 115.587 ng
 RT: 13.44 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF096083.D
 Acq: 21 Jun 2017 14:27

Instrument :
 BNA_F
 ClientSampleId :
 TK4-4-20170619

Tgt Ion:330 Resp: 153058
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 115.0
 141 38.2 31.4 47.2

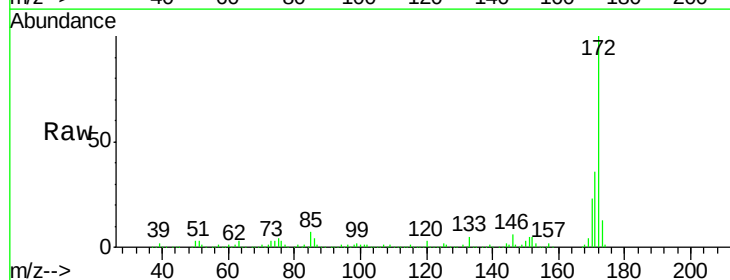


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

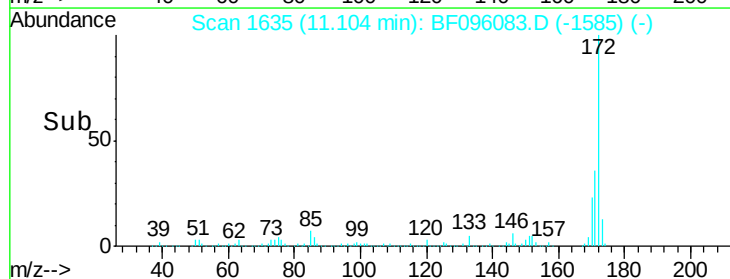
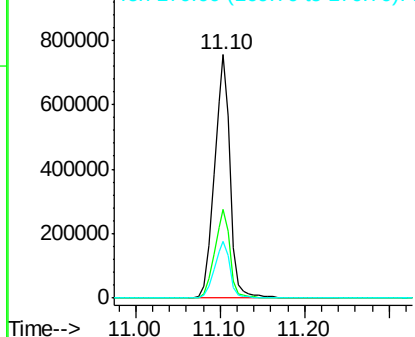


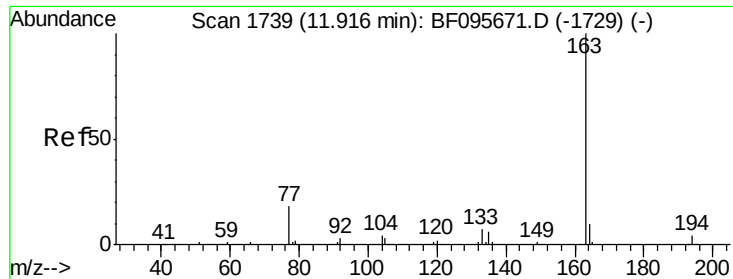
#44
 2-Fluorobiphenyl
 Concen: 92.101 ng
 RT: 11.10 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF096083.D
 Acq: 21 Jun 2017 14:27

Tgt Ion:172 Resp: 990542
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 23.4 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

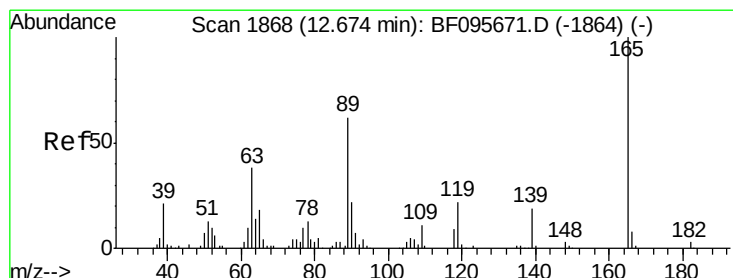
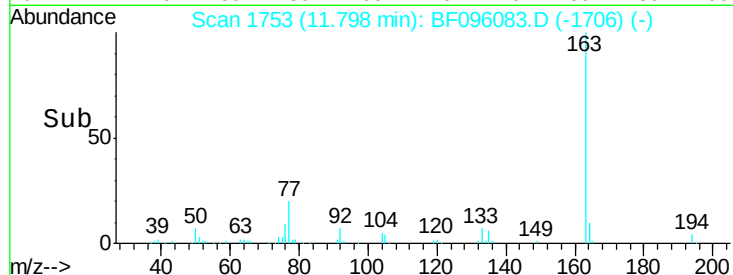
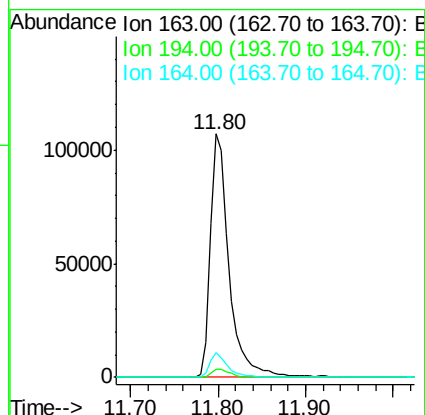
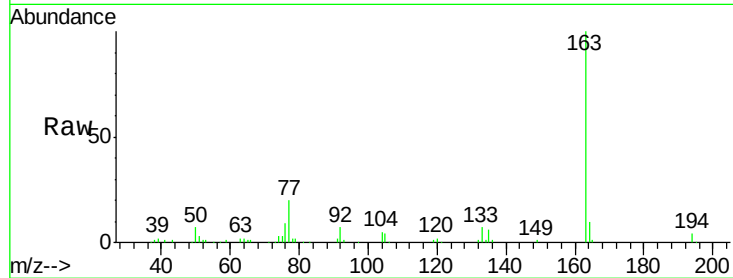




#49
Dimethylphthalate
Concen: 14.089 ng
RT: 11.80 min Scan# 1753
Delta R.T. -0.02 min
Lab File: BF096083.D
Acq: 21 Jun 2017 14:27

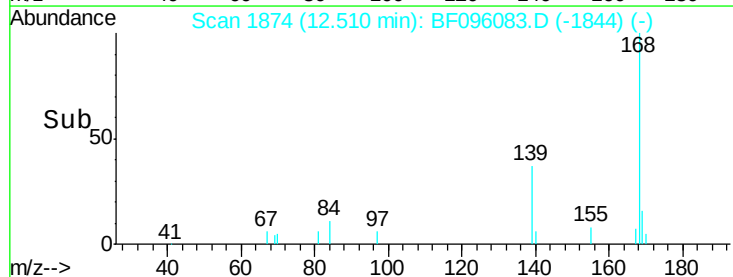
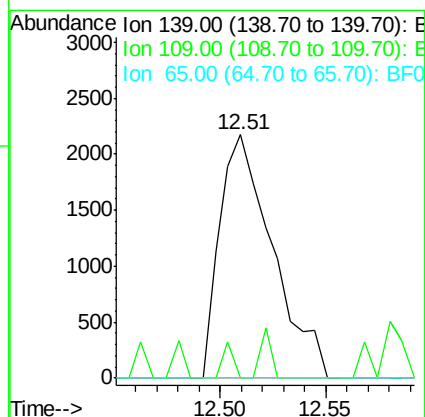
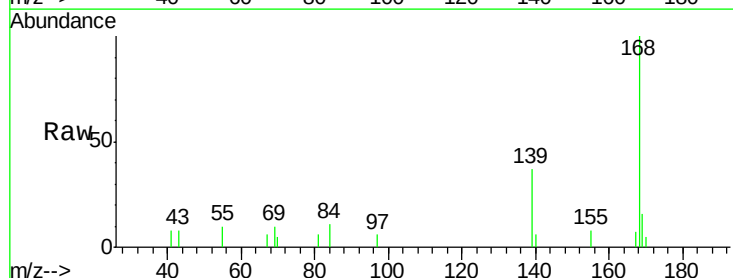
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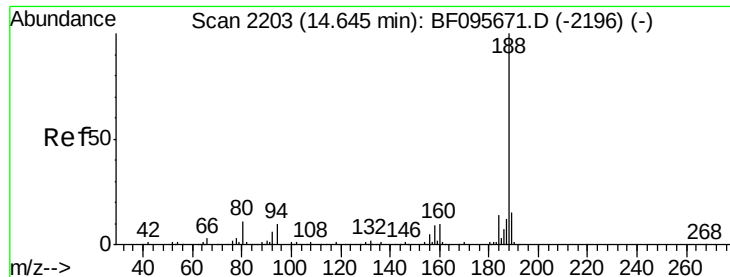
Tgt Ion:163 Resp: 160104
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 10.2 8.4 12.6



#55
4-Nitrophenol
Concen: 6.739 ng
RT: 12.51 min Scan# 1874
Delta R.T. -0.12 min
Lab File: BF096083.D
Acq: 21 Jun 2017 14:27

Tgt Ion:139 Resp: 3779
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

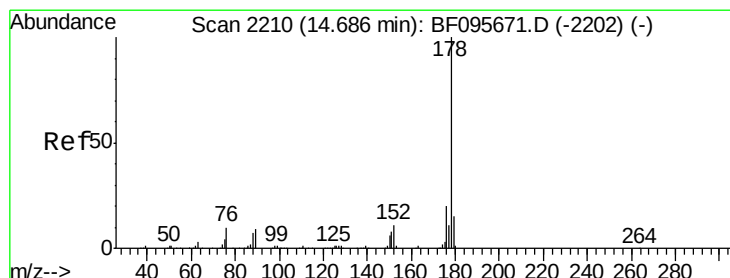
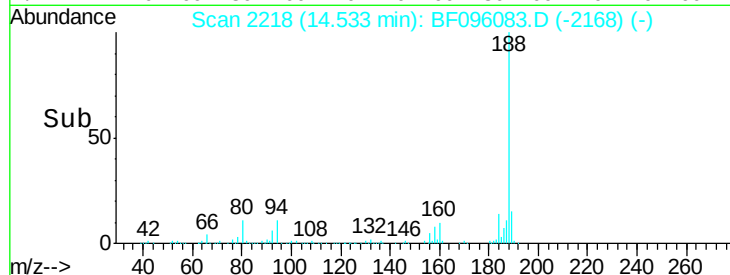
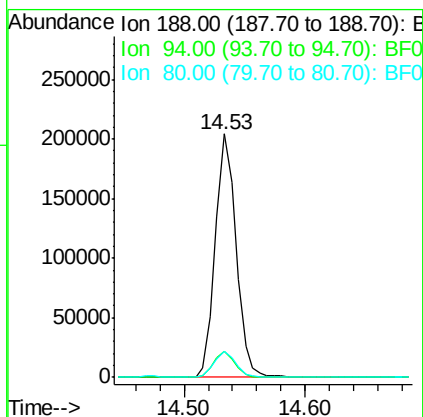
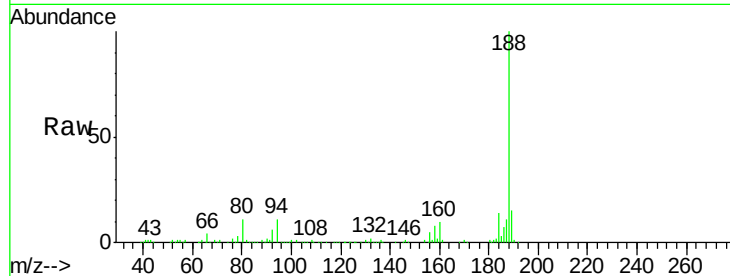




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.53 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF096083.D
Acq: 21 Jun 2017 14:27

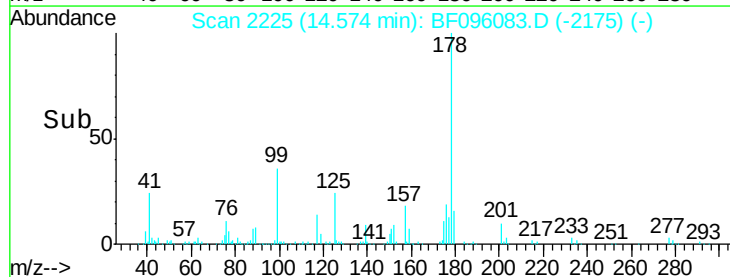
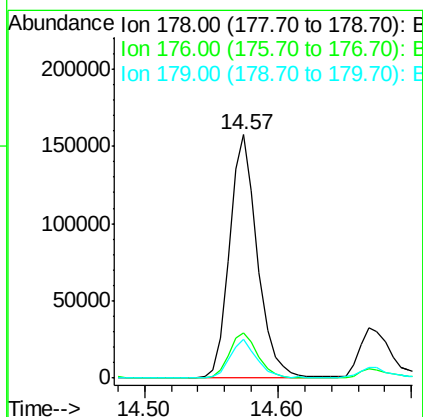
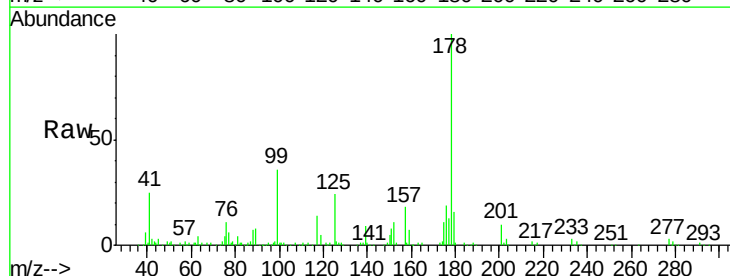
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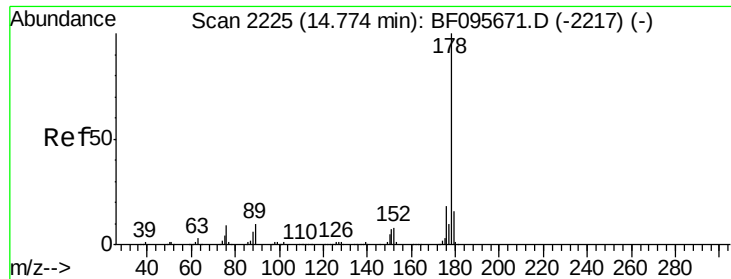
Tgt Ion:188 Resp: 243202
Ion Ratio Lower Upper
188 100
94 10.8 9.4 14.2
80 10.6 10.2 15.2



#70
Phenanthrene
Concen: 16.433 ng
RT: 14.57 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF096083.D
Acq: 21 Jun 2017 14:27

Tgt Ion:178 Resp: 230591
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.4
179 16.1 12.6 19.0

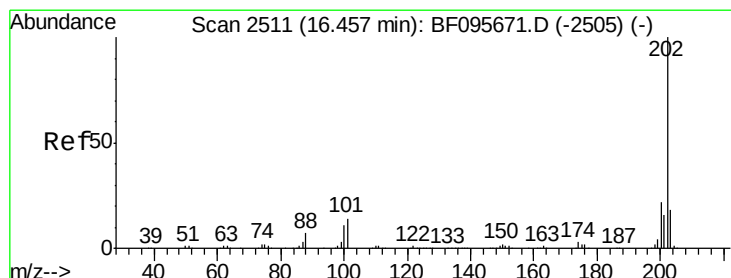
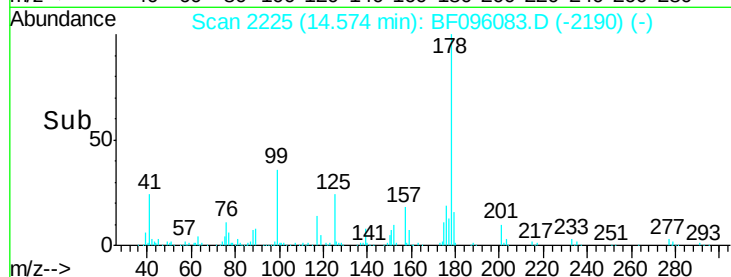
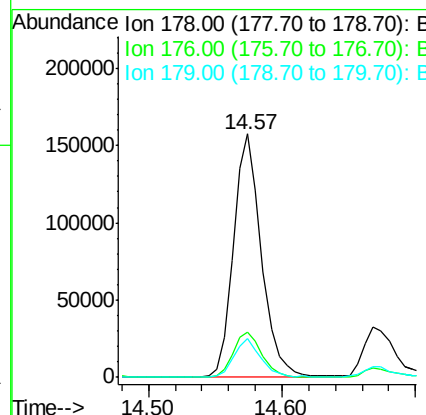
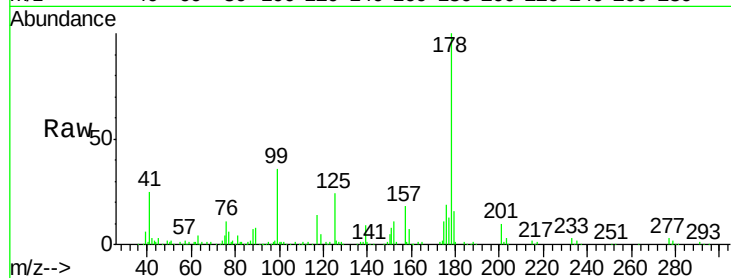




#71
 Anthracene
 Concen: 15.740 ng
 RT: 14.57 min Scan# 2225
 Delta R.T. -0.09 min
 Lab File: BF096083.D
 Acq: 21 Jun 2017 14:27

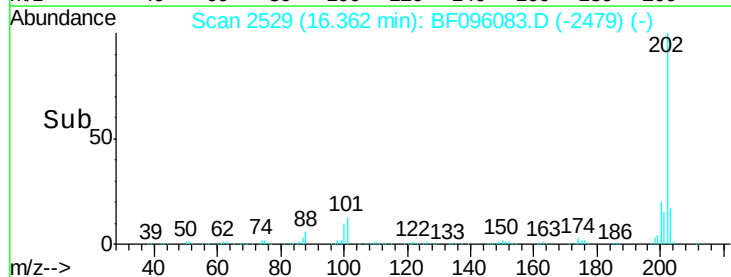
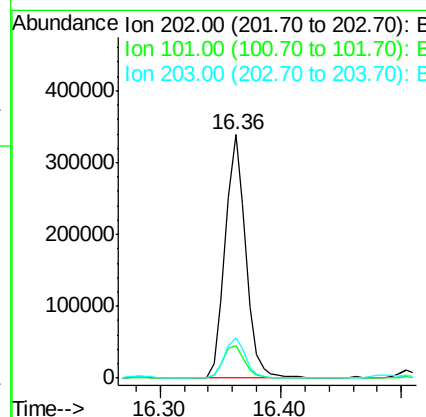
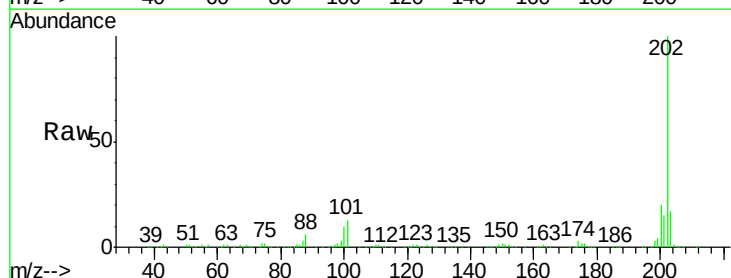
Instrument :
 BNA_F
 ClientSampleId :
 TK4-4-20170619

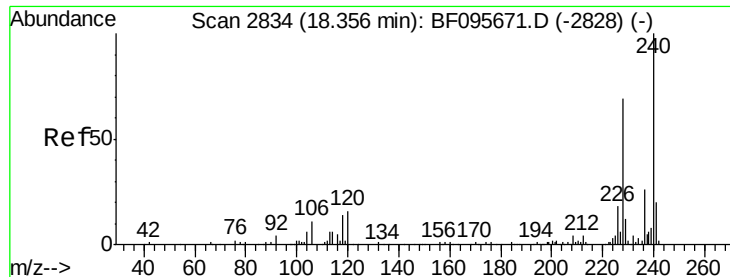
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	16.1	12.7	19.1



#74
 Fluoranthene
 Concen: 28.693 ng
 RT: 16.36 min Scan# 2529
 Delta R.T. -0.01 min
 Lab File: BF096083.D
 Acq: 21 Jun 2017 14:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	33.2
203	16.7	0.0	38.1

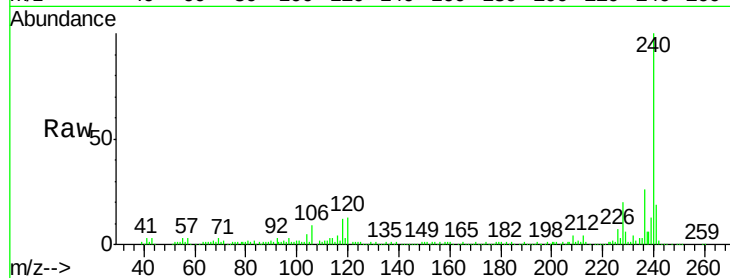




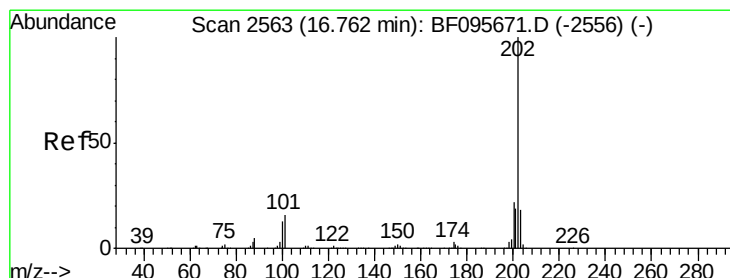
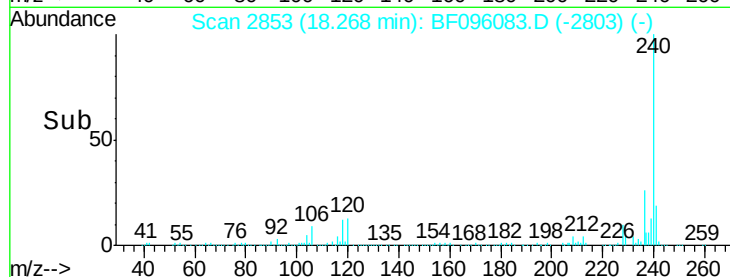
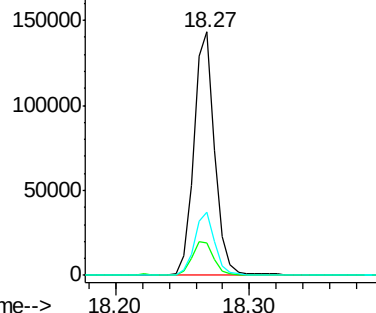
#75
Chrysene-d12
Concen: 20.000 ng
RT: 18.27 min Scan# 2853
Delta R.T. -0.01 min
Lab File: BF096083.D
Acq: 21 Jun 2017 14:27

Instrument :
BNA_F
ClientSampleId :
TK4-4-20170619

Tgt Ion:240 Resp: 158301
Ion Ratio Lower Upper
240 100
120 13.4 5.8 8.8#
236 25.7 20.5 30.7

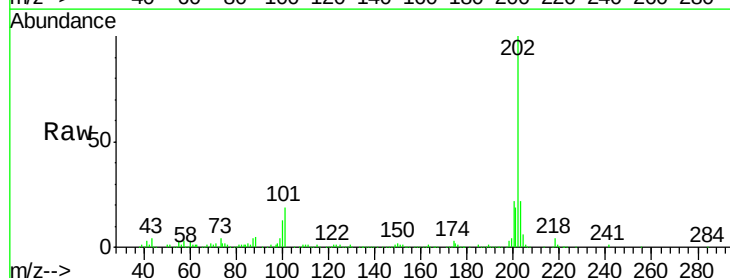


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

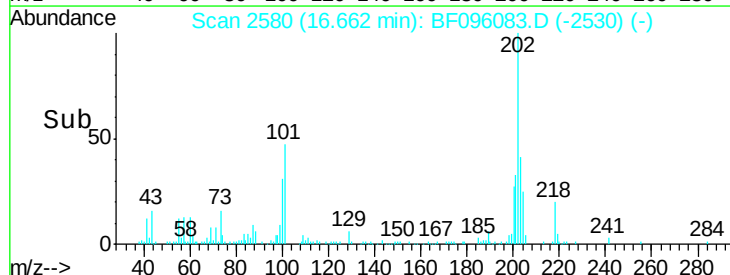
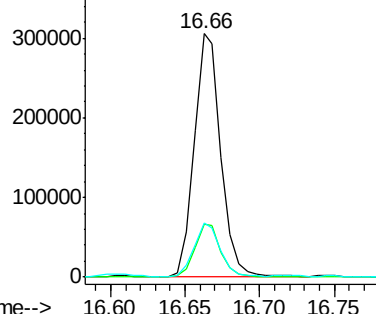


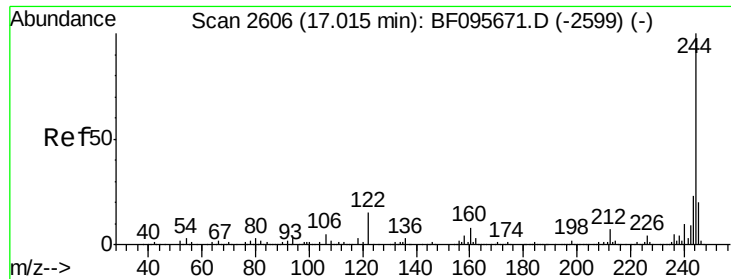
#77
Pyrene
Concen: 32.219 ng
RT: 16.66 min Scan# 2580
Delta R.T. -0.01 min
Lab File: BF096083.D
Acq: 21 Jun 2017 14:27

Tgt Ion:202 Resp: 380563
Ion Ratio Lower Upper
202 100
200 21.7 17.6 26.4
203 22.2 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

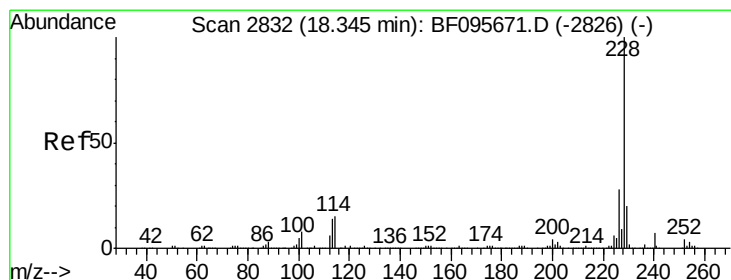
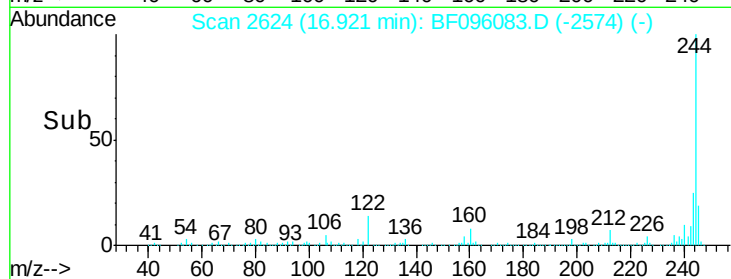
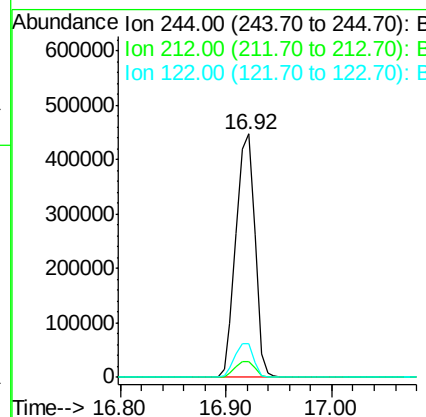
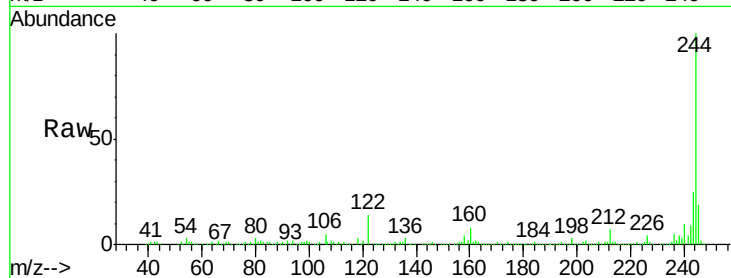




#78
 Terphenyl-d14
 Concen: 86.830 ng
 RT: 16.92 min Scan# 2624
 Delta R.T. -0.01 min
 Lab File: BF096083.D
 Acq: 21 Jun 2017 14:27

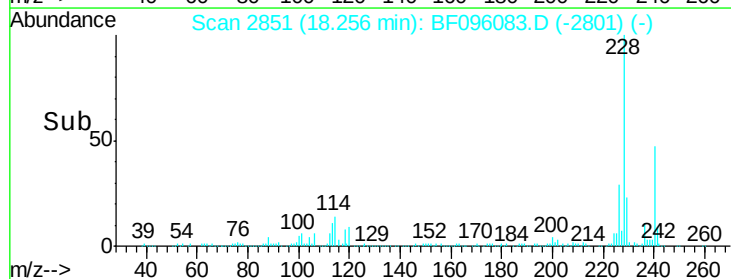
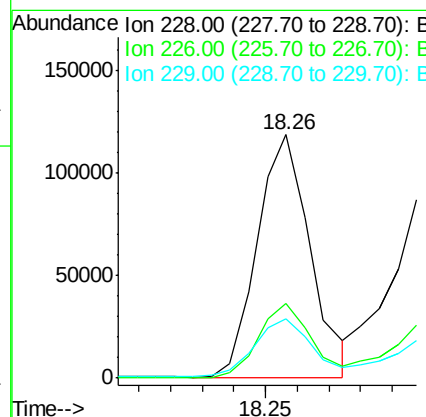
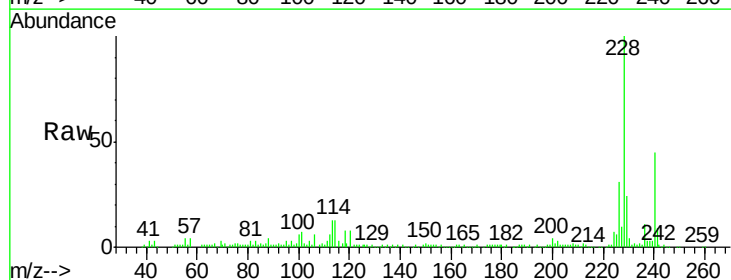
Instrument :
 BNA_F
 ClientSampleId :
 TK4-4-20170619

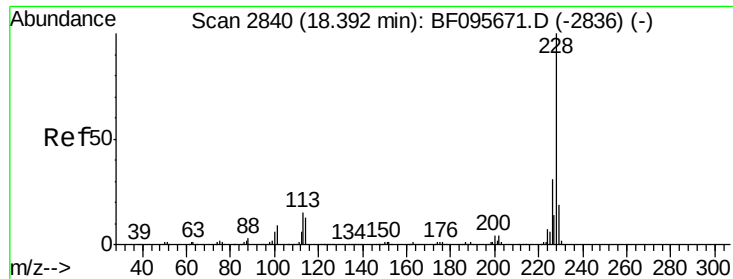
Tgt Ion: 244 Resp: 553858
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 13.9 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 14.878 ng
 RT: 18.26 min Scan# 2851
 Delta R.T. -0.01 min
 Lab File: BF096083.D
 Acq: 21 Jun 2017 14:27

Tgt Ion: 228 Resp: 136935
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.6 33.8
 229 24.2 16.3 24.5





#82

Chrysene

Concen: 15.170 ng

RT: 18.30 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BF096083.D

Acq: 21 Jun 2017 14:27

Instrument :

BNA_F

ClientSampleId :

TK4-4-20170619

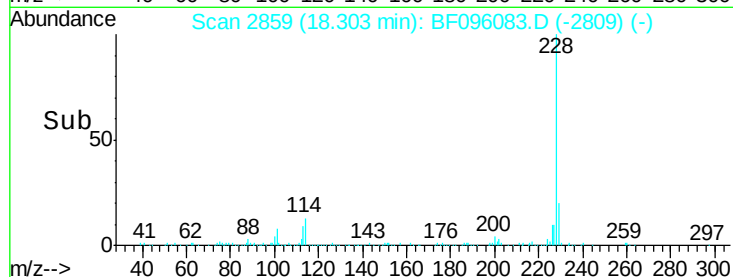
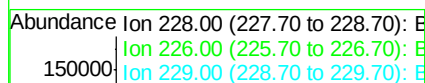
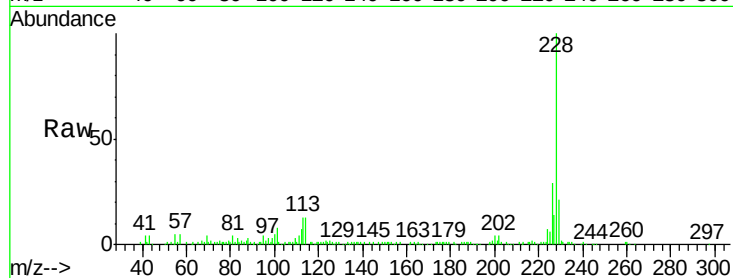
Tgt Ion:228 Resp: 139528

Ion Ratio Lower Upper

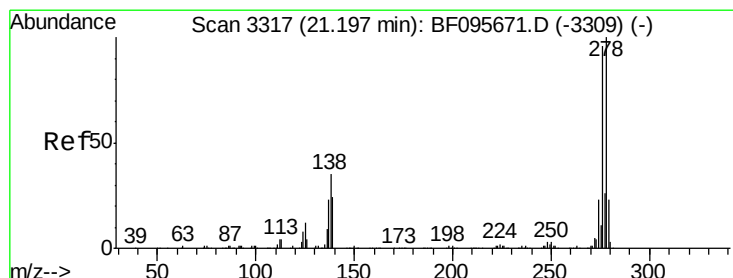
228 100

226 28.9 24.9 37.3

229 20.7 15.8 23.6



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 10.218 ng

RT: 21.11 min Scan# 3336

Delta R.T. 0.01 min

Lab File: BF096083.D

Acq: 21 Jun 2017 14:27

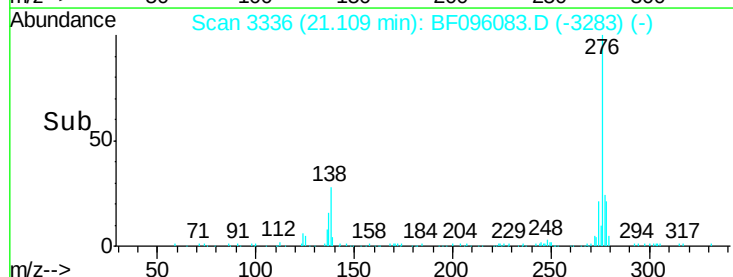
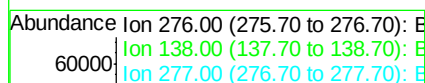
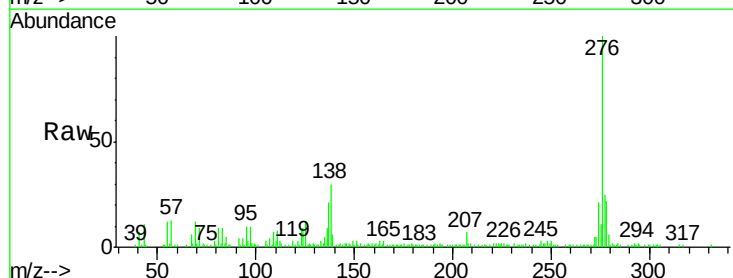
Tgt Ion:276 Resp: 80412

Ion Ratio Lower Upper

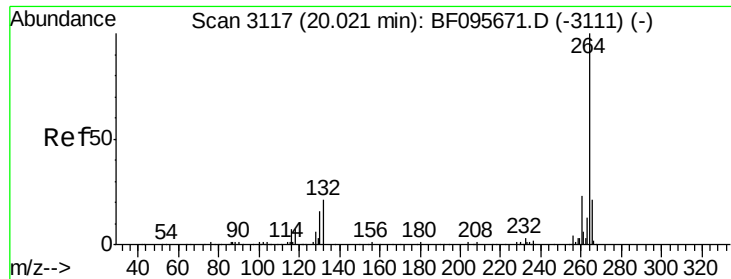
276 100

138 26.8 27.8 41.6#

277 22.1 20.2 30.4



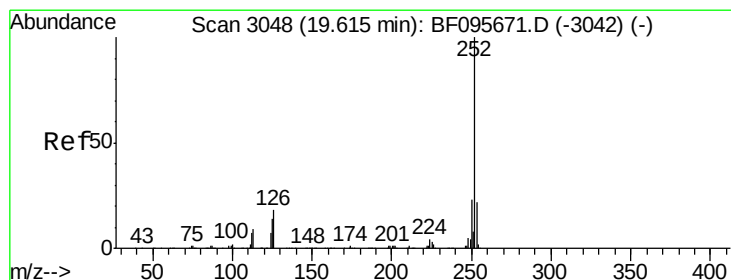
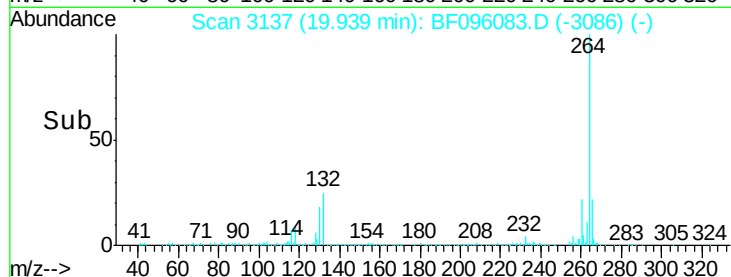
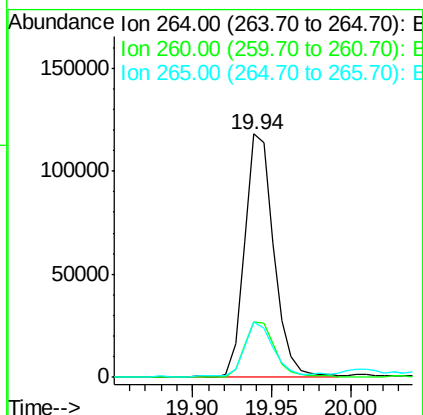
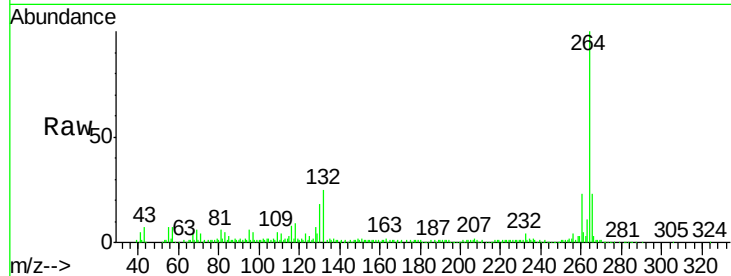
Time-->



#86
Perylene-d12
Concen: 20.000 ng
RT: 19.94 min Scan# 3137
Delta R.T. 0.00 min
Lab File: BF096083.D
Acq: 21 Jun 2017 14:27

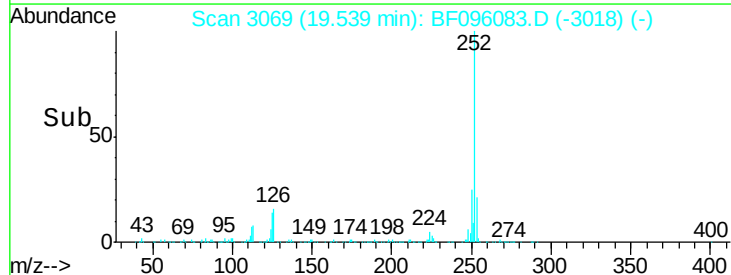
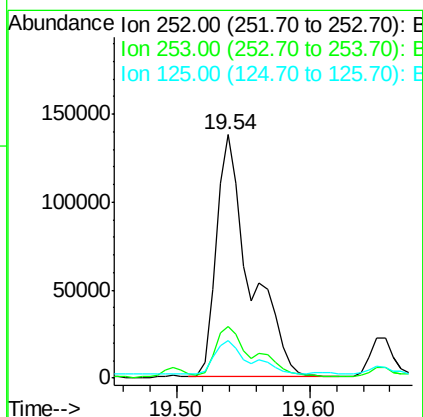
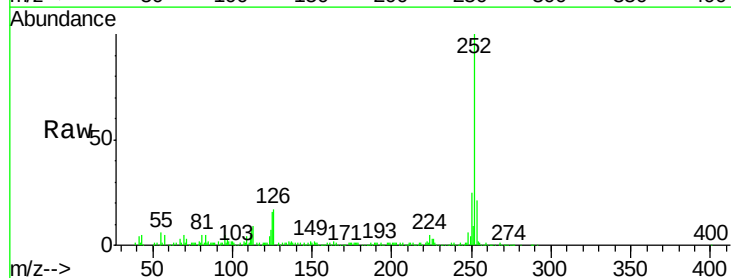
Instrument :
BNA_F
ClientSampleId :
TK4-4-20170619

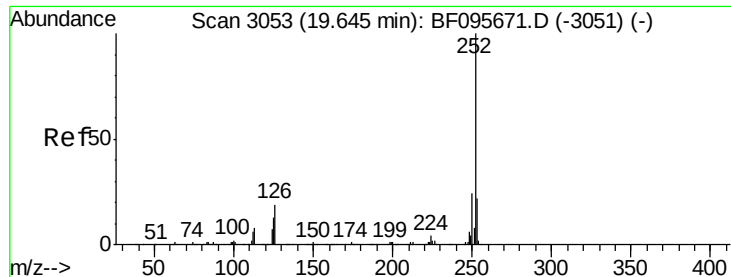
Tgt Ion:264 Resp: 151204
Ion Ratio Lower Upper
264 100
260 22.8 19.5 29.3
265 22.5 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 25.669 ng
RT: 19.54 min Scan# 3069
Delta R.T. 0.00 min
Lab File: BF096083.D
Acq: 21 Jun 2017 14:27

Tgt Ion:252 Resp: 243027
Ion Ratio Lower Upper
252 100
253 21.1 18.1 27.1
125 15.5 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 26.854 ng

RT: 19.54 min Scan# 3069

Delta R.T. -0.03 min

Lab File: BF096083.D

Acq: 21 Jun 2017 14:27

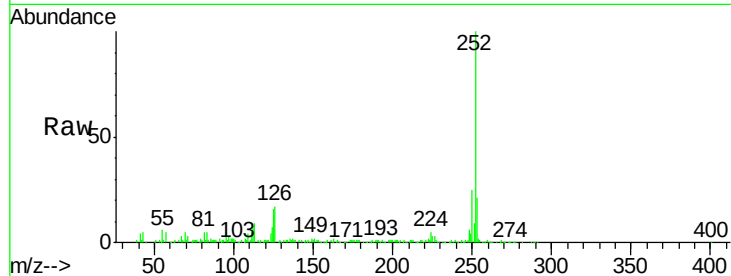
Instrument :

BNA_F

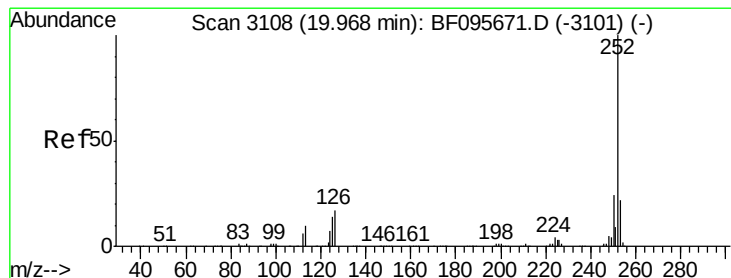
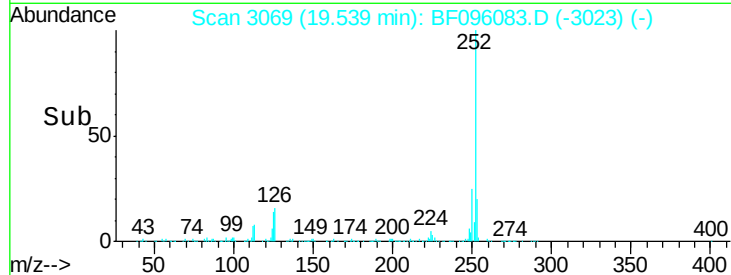
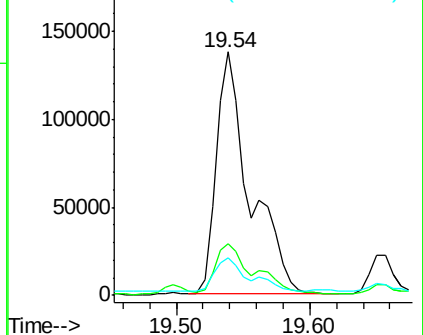
ClientSampleId :

TK4-4-20170619

Tgt Ion:	252	Resp:	243027
Ion Ratio	Lower	Upper	
252	100		
253	21.1	18.4	27.6
125	15.5	13.1	19.7



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



#89

Benzo(a)pyrene

Concen: 15.447 ng

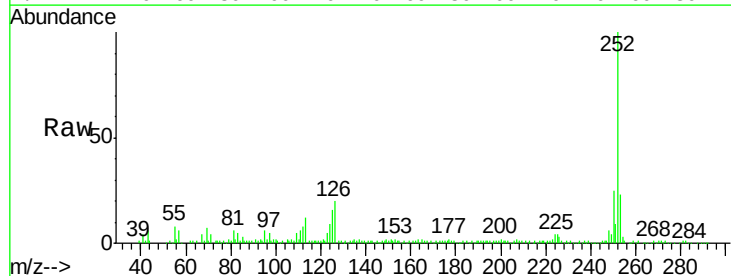
RT: 19.89 min Scan# 3128

Delta R.T. 0.00 min

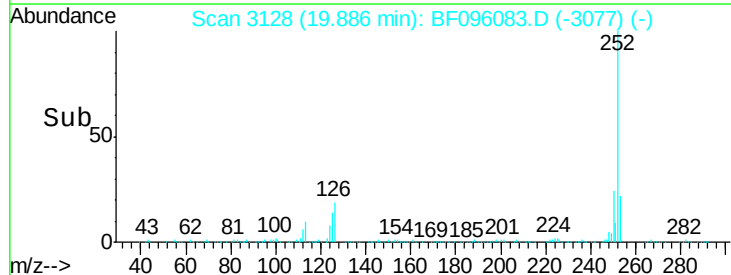
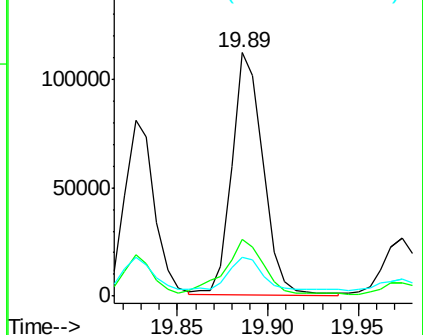
Lab File: BF096083.D

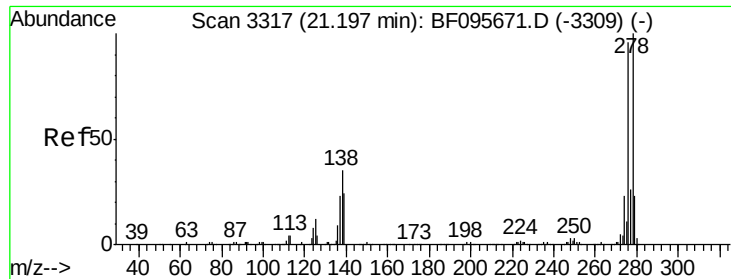
Acq: 21 Jun 2017 14:27

Tgt Ion:	252	Resp:	134419
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.5	26.3
125	16.2	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





#90

Dibenzo(a,h)anthracene

Concen: 4.084 ng

RT: 21.10 min Scan# 3334

Delta R.T. 0.00 min

Lab File: BF096083.D

Acq: 21 Jun 2017 14:27

Instrument :

BNA_F

ClientSampleId :

TK4-4-20170619

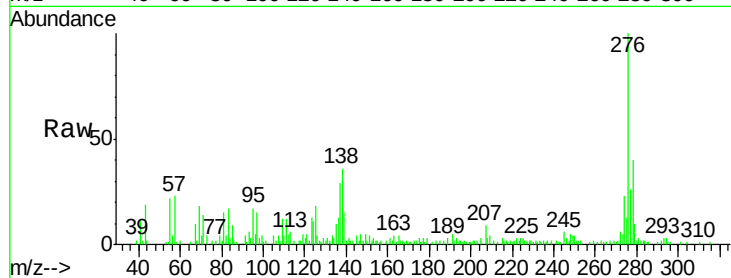
Tgt Ion:278 Resp: 30146

Ion Ratio Lower Upper

278 100

139 36.9 16.6 24.8#

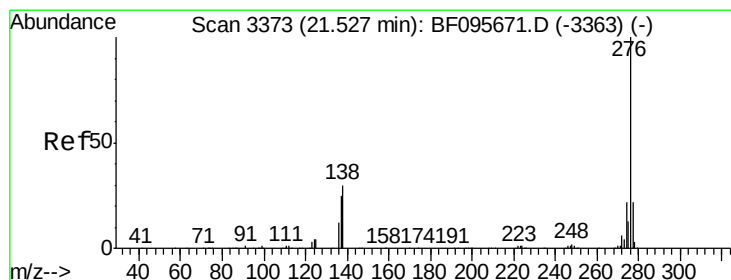
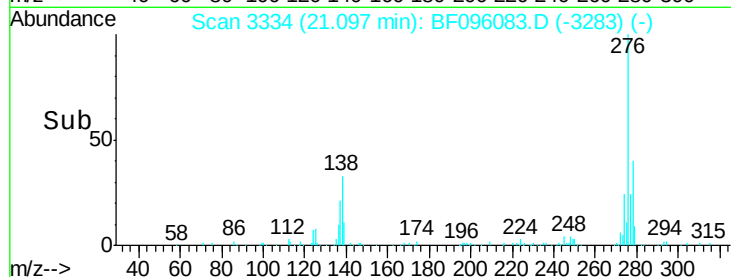
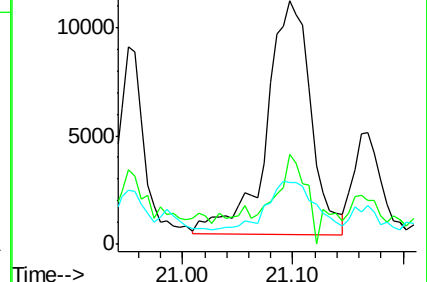
279 25.2 19.3 28.9



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: 9.621 ng

RT: 21.43 min Scan# 3391

Delta R.T. 0.01 min

Lab File: BF096083.D

Acq: 21 Jun 2017 14:27

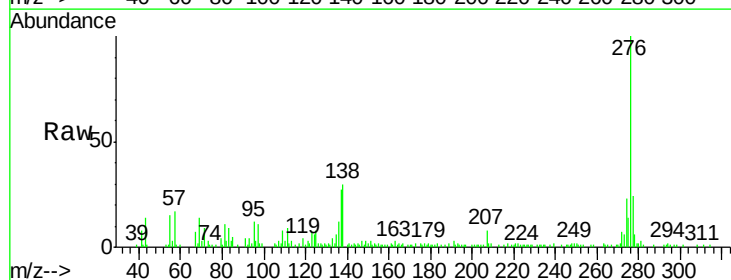
Tgt Ion:276 Resp: 72402

Ion Ratio Lower Upper

276 100

277 24.1 18.6 28.0

138 30.3 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

