

Data Path : Z:\HPCHEM1\BNA F\Data\BF101817\
 Data File : BF099638.D
 Acq On : 19 Oct 2017 00:56
 Operator : SJ/JU
 Sample : I5935-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101617-A

Quant Time: Oct 19 10:21:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

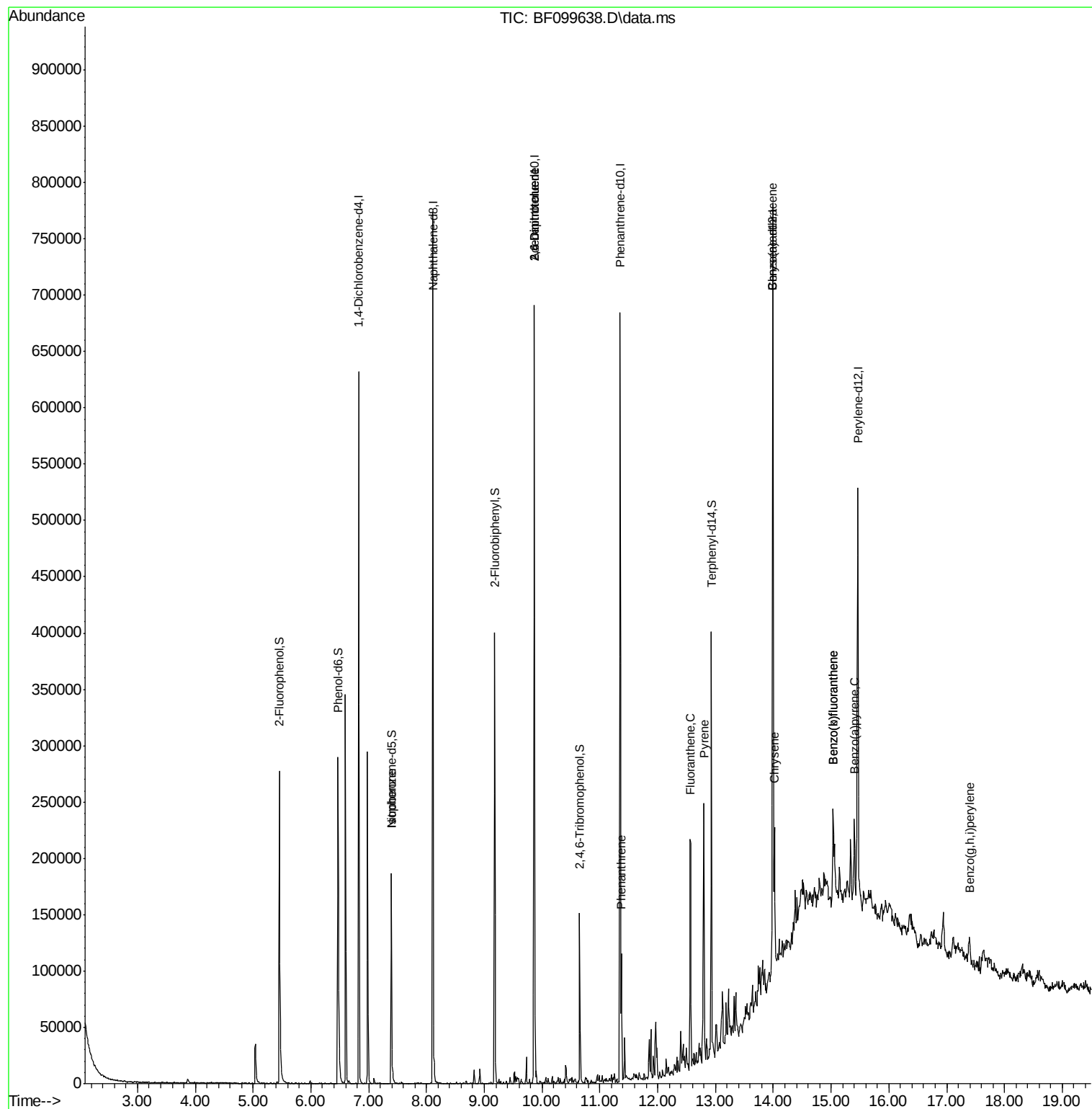
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.827	152	91107	20.00	ng	-0.04
21) Naphthalene-d8	8.110	136	333702	20.00	ng	-0.04
38) Acenaphthene-d10	9.862	164	126898	20.00	ng	-0.04
63) Phenanthrene-d10	11.351	188	220021	20.00	ng	-0.04
75) Chrysene-d12	13.997	240	215721	20.00	ng	-0.04
86) Perylene-d12	15.462	264	164020	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	100997	17.65	ng	-0.03
7) Phenol-d6	6.469	99	117144	16.59	ng	-0.03
23) Nitrobenzene-d5	7.392	82	61362	11.79	ng	-0.04
41) 2,4,6-Tribromophenol	10.656	330	17444	16.80	ng	-0.04
44) 2-Fluorobiphenyl	9.180	172	116572	15.34	ng	-0.05
78) Terphenyl-d14	12.927	244	103112	10.87	ng	-0.05
Target Compounds						
25) Isophorone	7.392	82	61361	5.70	ng	# 64
50) 2,6-Dinitrotoluene	9.862	165	16293	7.81	ng	# 26
56) 2,4-Dinitrotoluene	9.862	165	16293	6.02	ng	# 24
70) Phenanthrene	11.374	178	38211	3.24	ng	99
74) Fluoranthene	12.568	202	79858	6.70	ng	99
77) Pyrene	12.798	202	90815	5.52	ng	98
80) Benzo(a)anthracene	13.986	228	48527	3.72	ng	96
82) Chrysene	14.021	228	43409	3.49	ng	97
87) Benzo(b)fluoranthene	15.033	252	58761	5.83	ng	# 88
88) Benzo(k)fluoranthene	15.033	252	58761	5.90	ng	# 91
89) Benzo(a)pyrene	15.403	252	31596	3.41	ng	# 90
91) Benzo(a,h,i)perylene	17.391	276	17049	2.33	ng	# 92

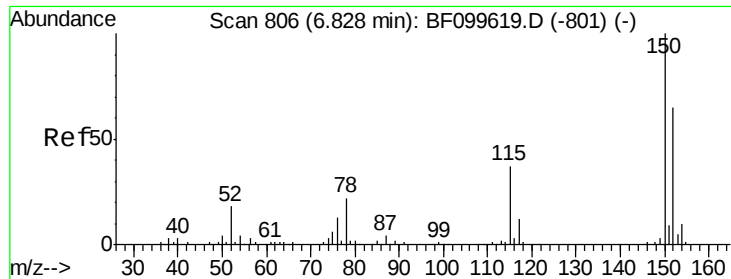
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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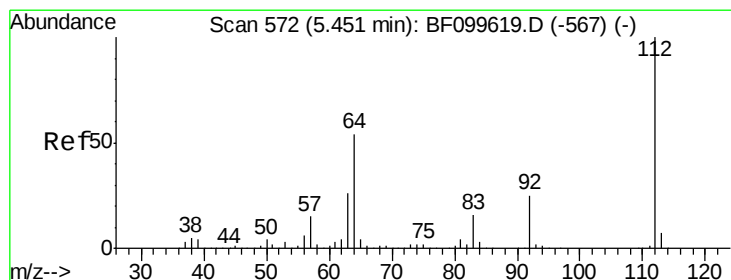
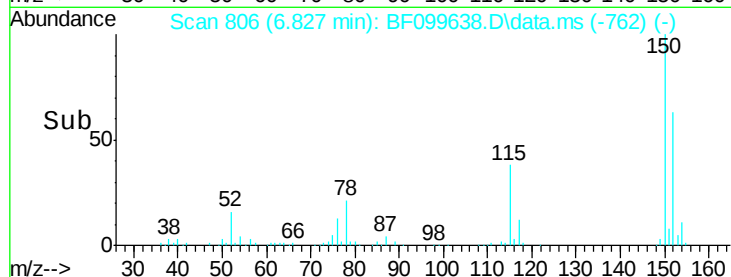
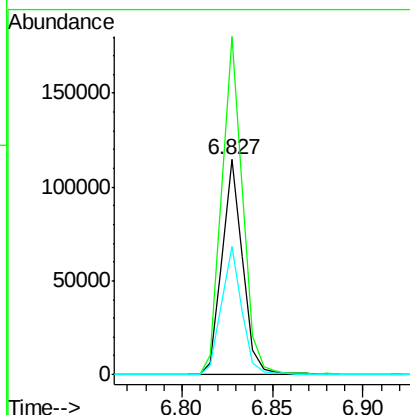
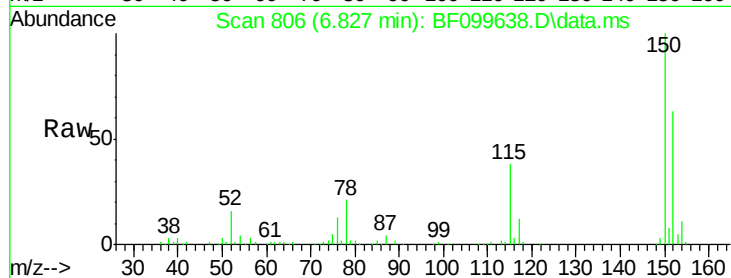




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.827 min Scan# 80
 Delta R.T. -0.042 min
 Lab File: BF099638.D
 Acq: 19 Oct 2017 00:56

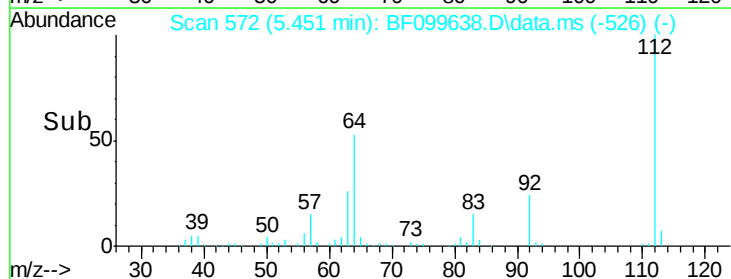
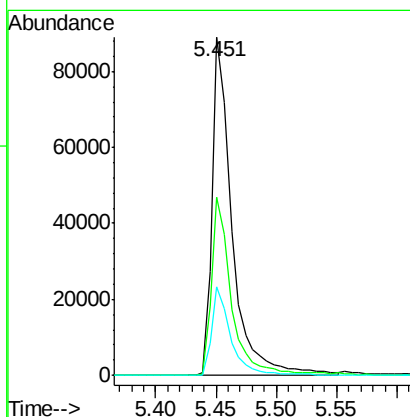
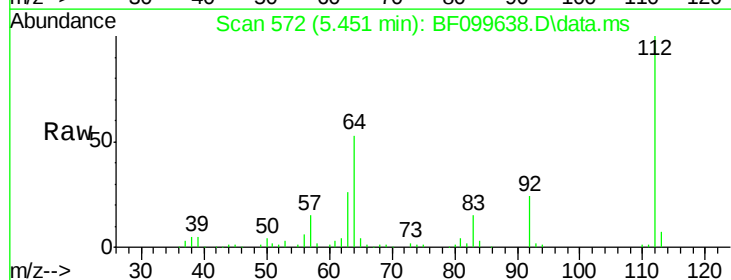
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101617-A

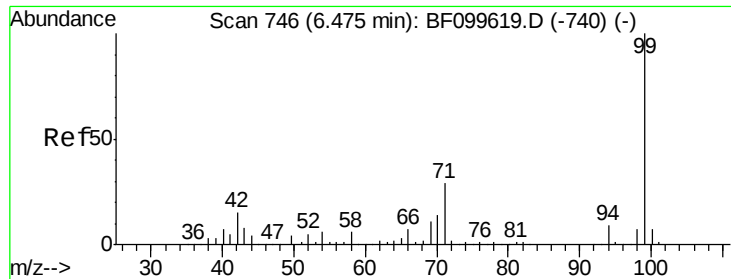
Tot Ion:152 Resp: 91107
 Ion Ratio Lower Upper
 152 100
 150 157.6 124.6 186.8
 115 59.9 50.1 75.1



#5
 2-Fluorophenol
 Concen: 17.65 ng
 RT: 5.451 min Scan# 572
 Delta R.T. -0.030 min
 Lab File: BF099638.D
 Acq: 19 Oct 2017 00:56

Tgt Ion:112 Resp: 100997
 Ion Ratio Lower Upper
 112 100
 64 52.5 47.9 71.9
 63 26.0 23.7 35.5





#7

Phenol-d6

Concen: 16.59 ng

RT: 6.469 min Scan# 74

Delta R.T. -0.030 min

Lab File: BF099638.D

Acq: 19 Oct 2017 00:56

Instrument :

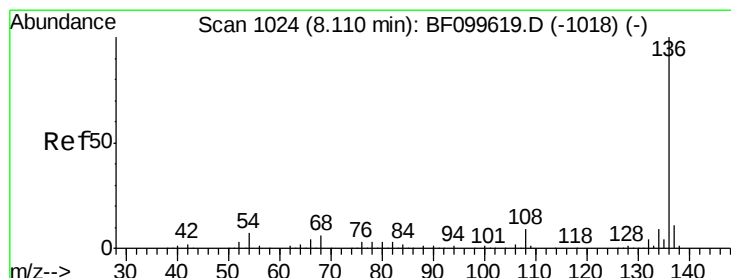
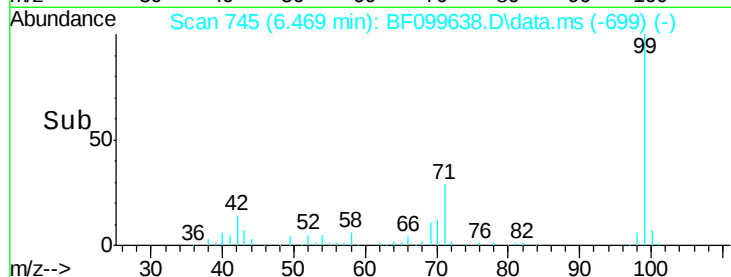
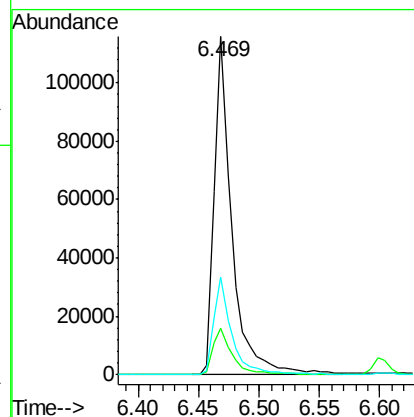
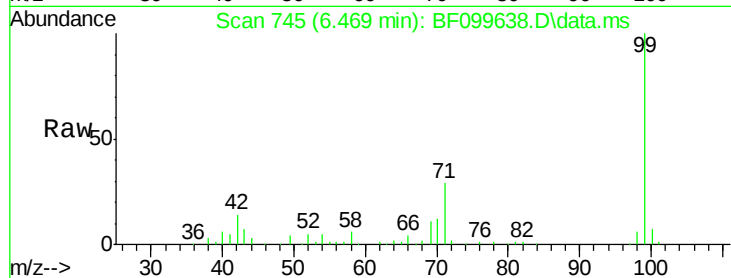
BNA_F

ClientSampleId :

CL-02-101617-A

Tot Ion: 99 Resp: 117144

Ion	Ratio	Lower	Upper
99	100		
42	13.8	14.5	21.7#
71	29.0	25.4	38.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.110 min Scan# 1024

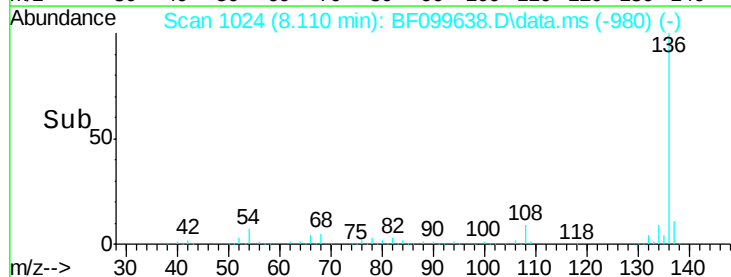
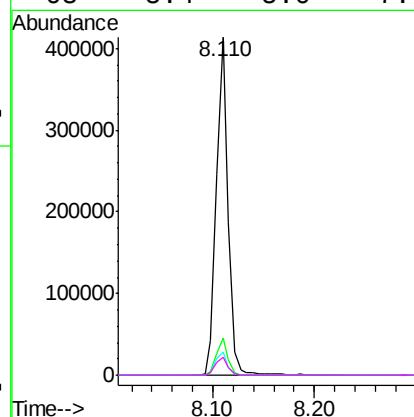
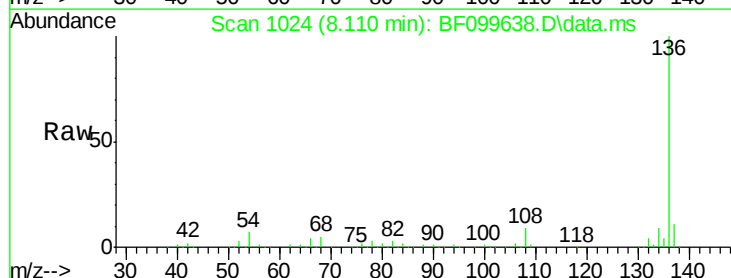
Delta R.T. -0.042 min

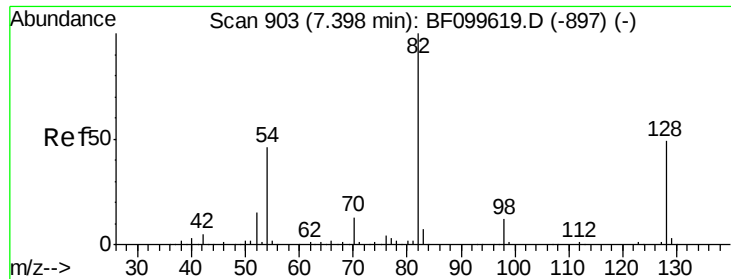
Lab File: BF099638.D

Acq: 19 Oct 2017 00:56

Tgt Ion: 136 Resp: 333702

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.7	6.6	9.8
68	5.4	5.0	7.4





#23

Nitrobenzene-d5

Concen: 11.79 ng

RT: 7.392 min Scan# 90

Delta R.T. -0.042 min

Lab File: BF099638.D

Acq: 19 Oct 2017 00:56

Instrument :

BNA_F

ClientSampleId :

CL-02-101617-A

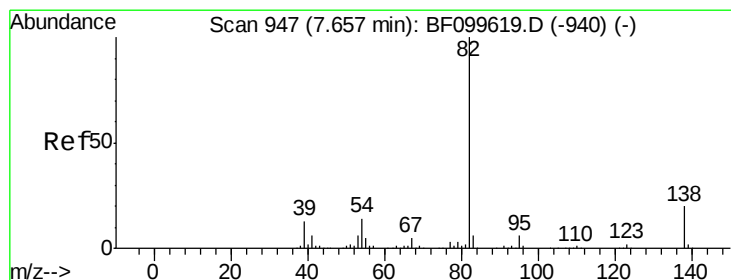
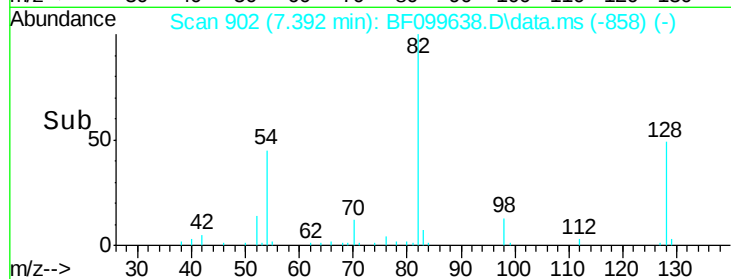
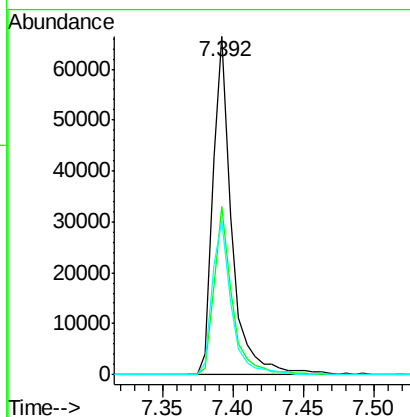
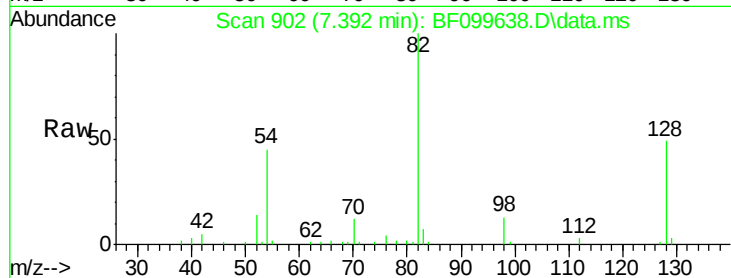
Tot Ion: 82 Resp: 61362

Ion Ratio Lower Upper

82 100

128 49.5 36.1 54.1

54 45.3 41.4 62.2



#25

Isophorone

Concen: 5.70 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.300 min

Lab File: BF099638.D

Acq: 19 Oct 2017 00:56

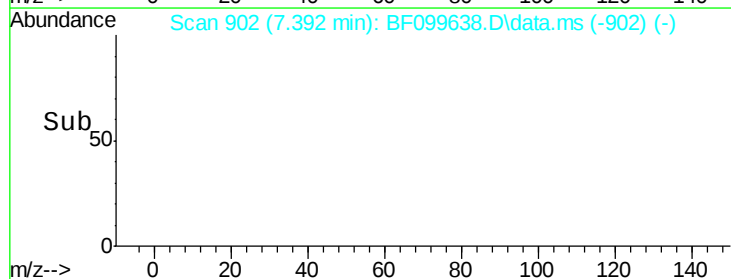
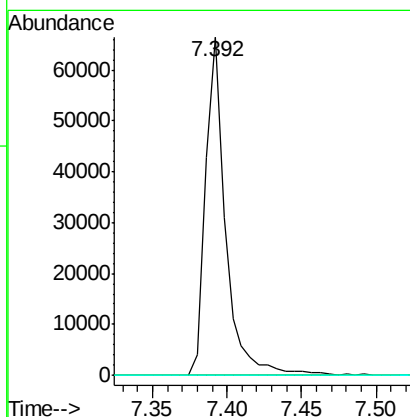
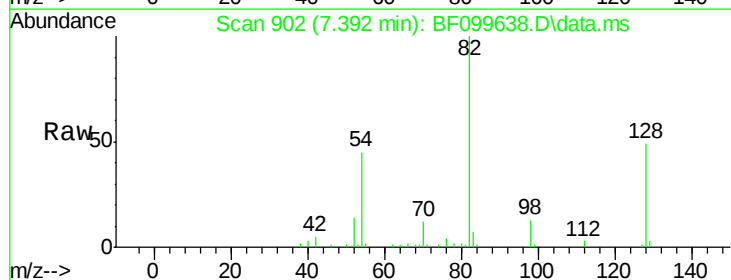
Tgt Ion: 82 Resp: 61361

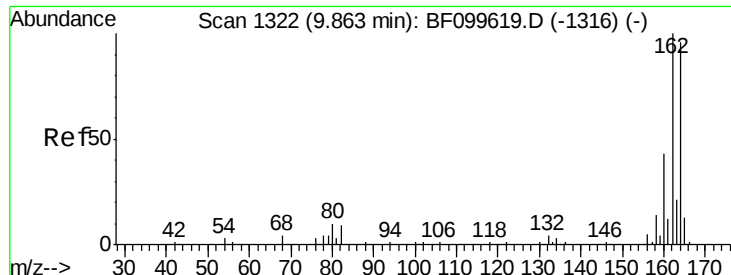
Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.862 min Scan# 1322

Delta R.T. -0.042 min

Lab File: BF099638.D

Acq: 19 Oct 2017 00:56

Instrument :

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ClientSampleId :

CL-02-101617-A

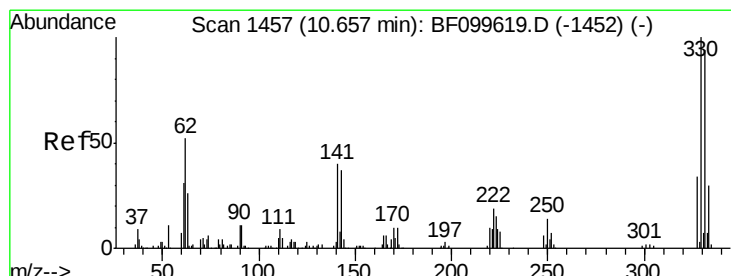
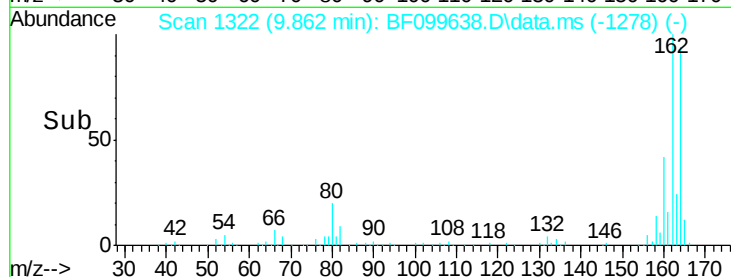
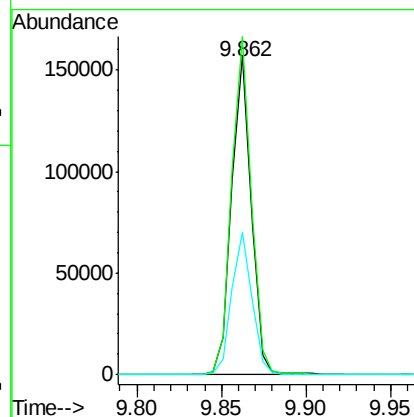
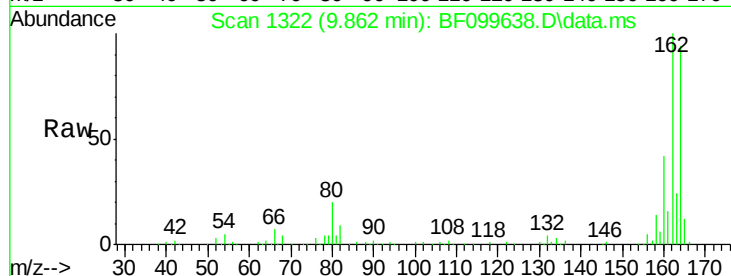
Tot Ion:164 Resp: 126898

Ion Ratio Lower Upper

164 100

162 106.0 86.1 129.1

160 44.8 38.3 57.5



#41

2,4,6-Tribromophenol

Concen: 16.80 ng

RT: 10.656 min Scan# 1457

Delta R.T. -0.042 min

Lab File: BF099638.D

Acq: 19 Oct 2017 00:56

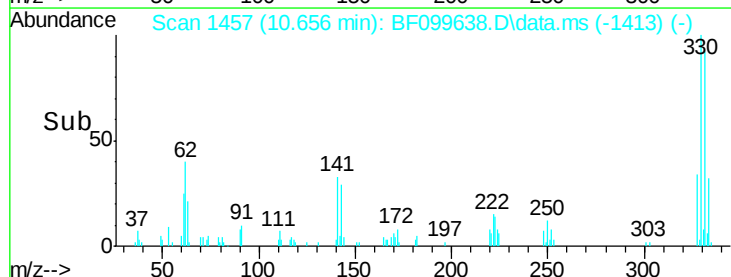
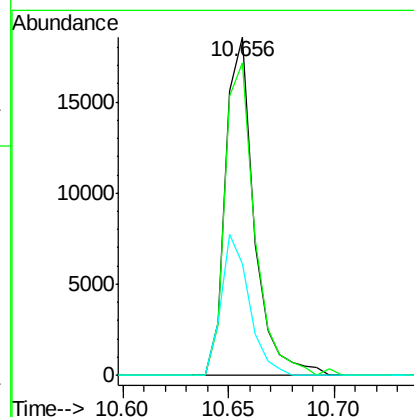
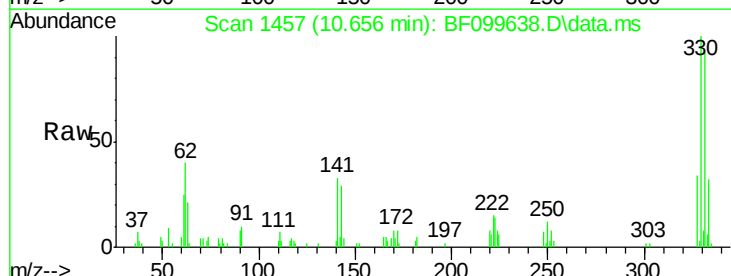
Tgt Ion:330 Resp: 17444

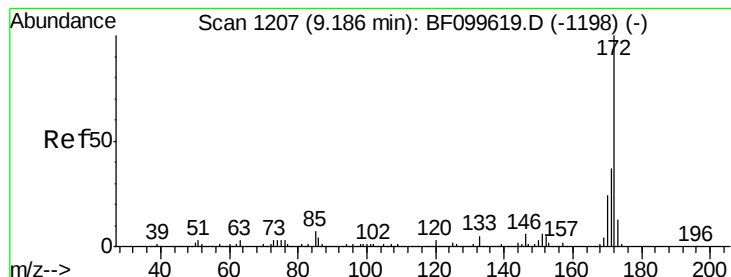
Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

141 40.8 29.9 44.9





#44

2-Fluorobiphenyl

Concen: 15.34 ng

RT: 9.180 min Scan# 12

Delta R.T. -0.047 min

Lab File: BF099638.D

Acq: 19 Oct 2017 00:56

Instrument :

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CL-02-101617-A

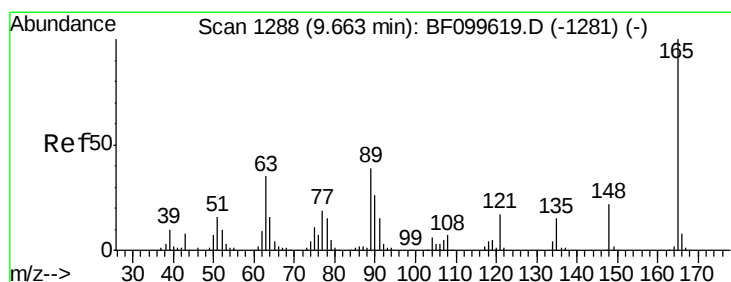
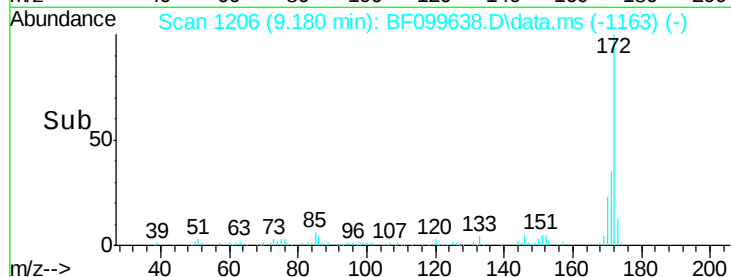
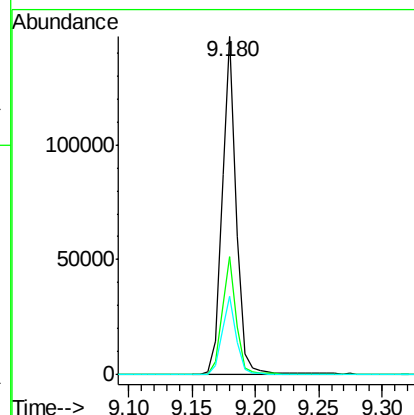
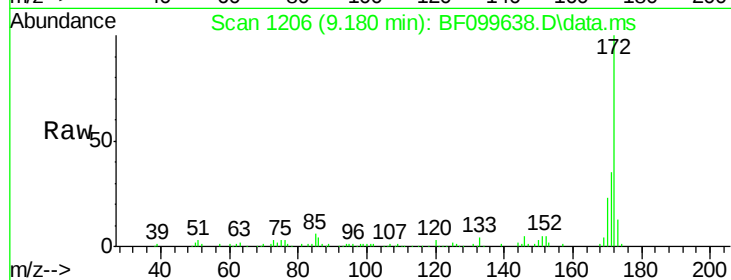
Tot Ion:172 Resp: 116572

Ion Ratio Lower Upper

172 100

171 35.0 29.7 44.5

170 23.1 19.6 29.4



#50

2,6-Dinitrotoluene

Concen: 7.81 ng

RT: 9.862 min Scan# 1322

Delta R.T. 0.170 min

Lab File: BF099638.D

Acq: 19 Oct 2017 00:56

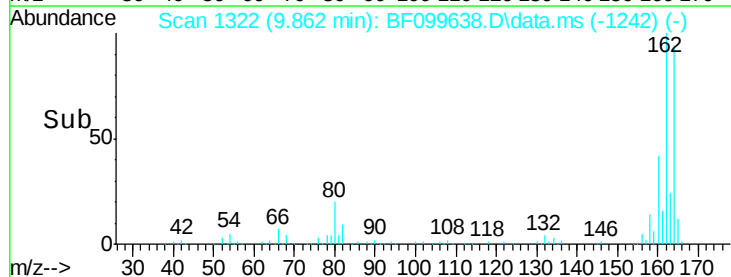
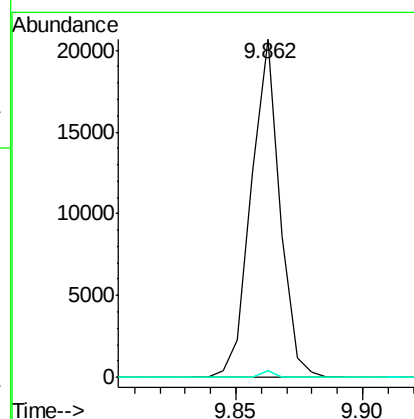
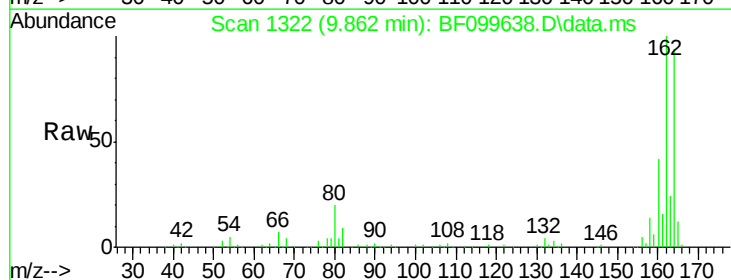
Tgt Ion:165 Resp: 16293

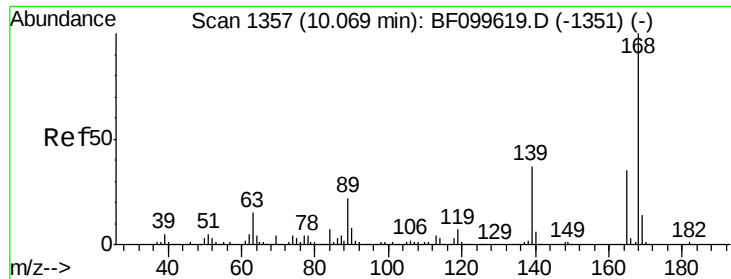
Ion Ratio Lower Upper

165 100

63 1.8 44.7 67.1#

89 1.8 44.0 66.0#

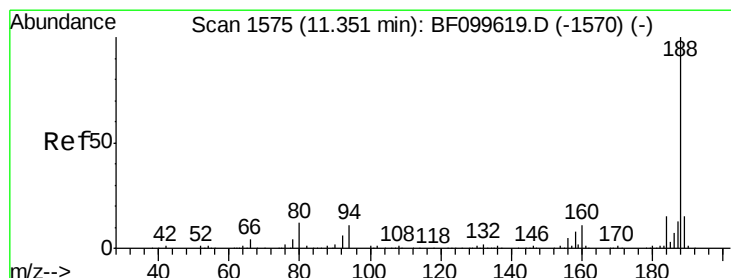
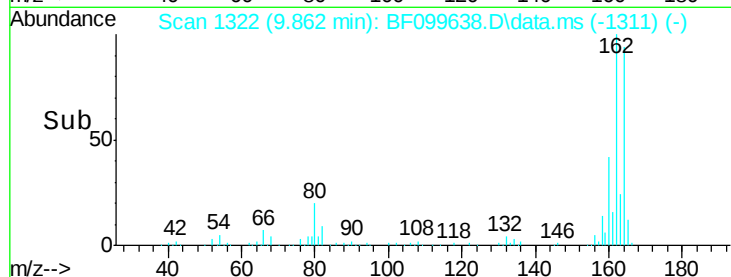
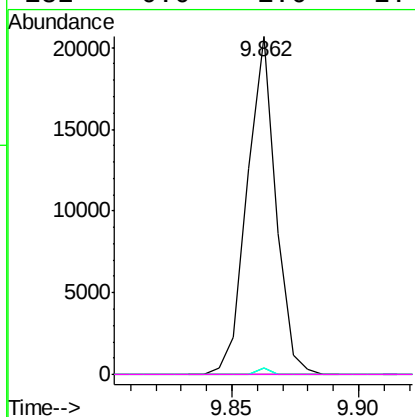
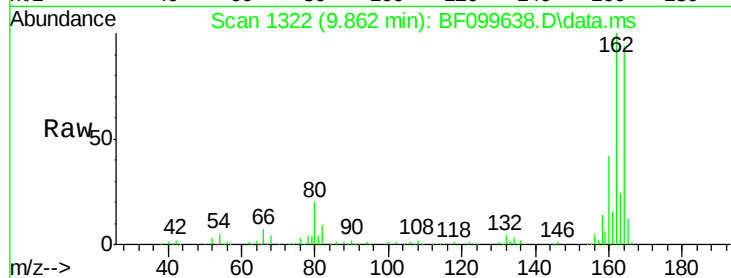




#56
 2,4-Dinitrotoluene
 Concen: 6.02 ng
 RT: 9.862 min Scan# 1357
 Delta R.T. -0.236 min
 Lab File: BF099638.D
 Acq: 19 Oct 2017 00:56

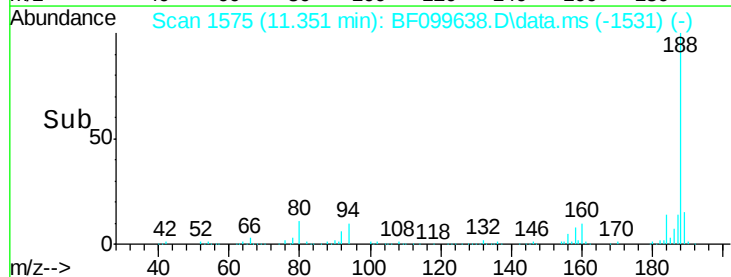
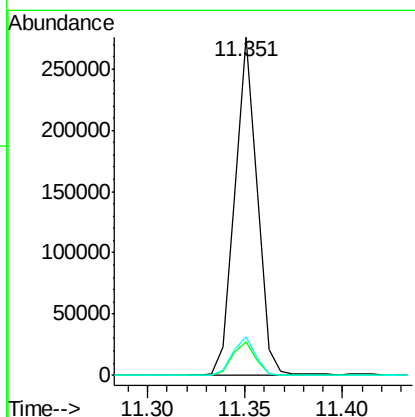
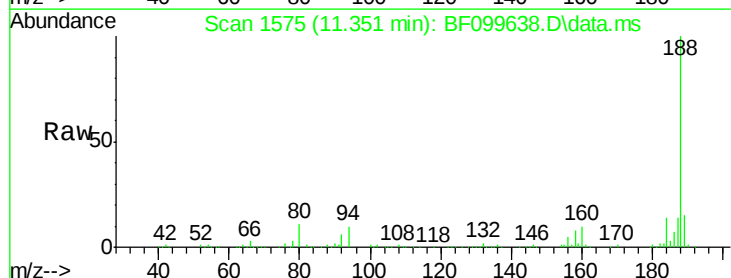
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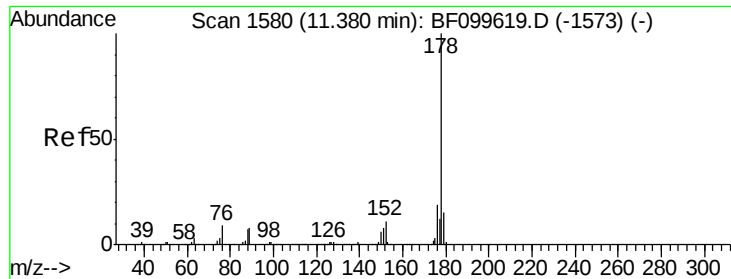
Tot Ion:	165	Resp:	16293
Ion Ratio	Lower	Upper	
165	100		
63	1.8	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.351 min Scan# 1575
 Delta R.T. -0.042 min
 Lab File: BF099638.D
 Acq: 19 Oct 2017 00:56

Tgt Ion:	188	Resp:	220021
Ion Ratio	Lower	Upper	
188	100		
94	10.0	8.5	12.7
80	11.4	9.2	13.8





#70

Phenanthrene

Concen: 3.24 ng

RT: 11.374 min Scan# 15

Delta R.T. -0.047 min

Lab File: BF099638.D

Acq: 19 Oct 2017 00:56

Instrument :

BNA_F

ClientSampleId :

CL-02-101617-A

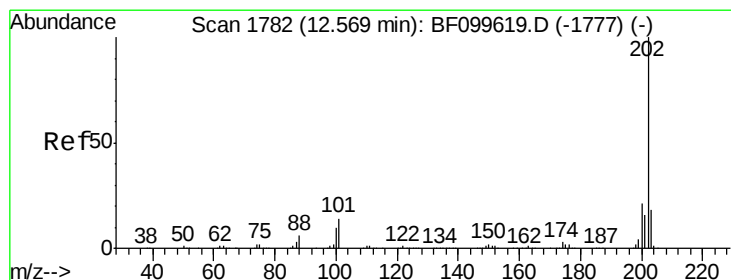
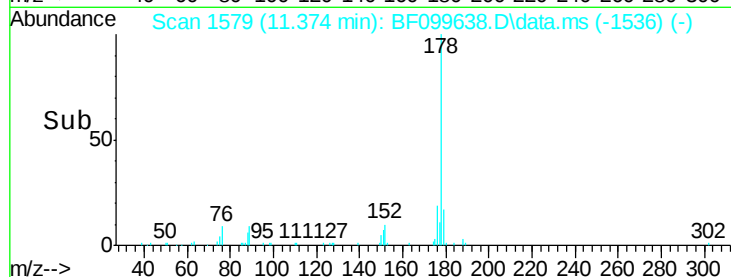
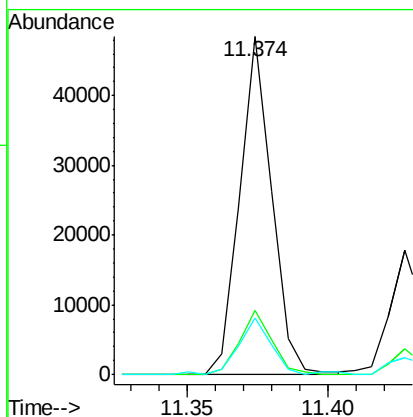
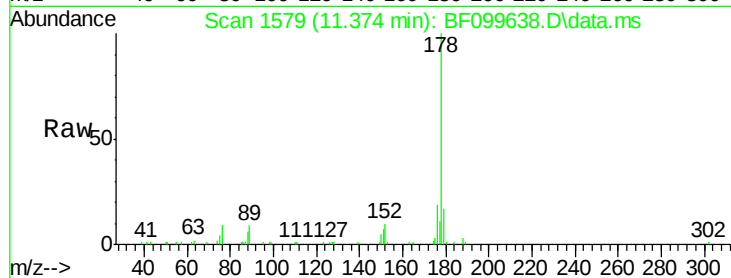
Tot Ion:178 Resp: 38211

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

179 16.6 13.0 19.6



#74

Fluoranthene

Concen: 6.70 ng

RT: 12.568 min Scan# 1782

Delta R.T. -0.036 min

Lab File: BF099638.D

Acq: 19 Oct 2017 00:56

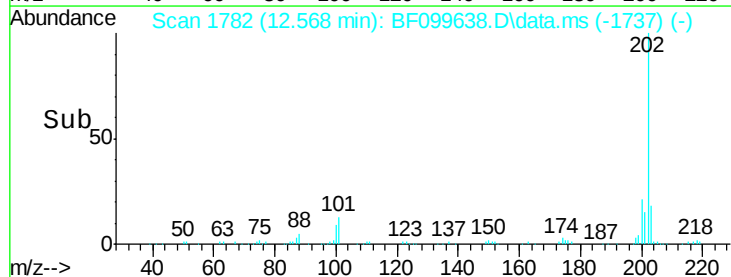
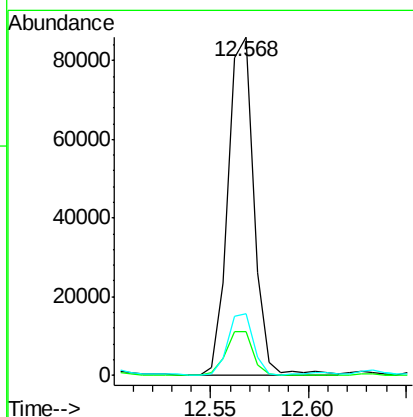
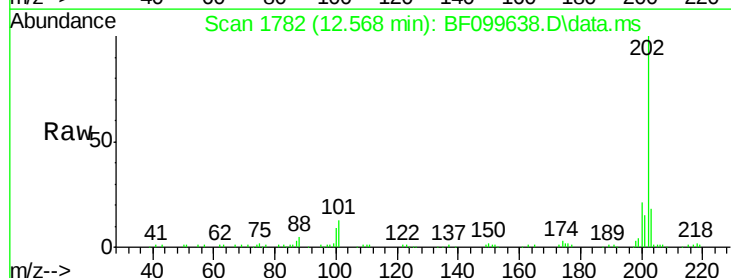
Tgt Ion:202 Resp: 79858

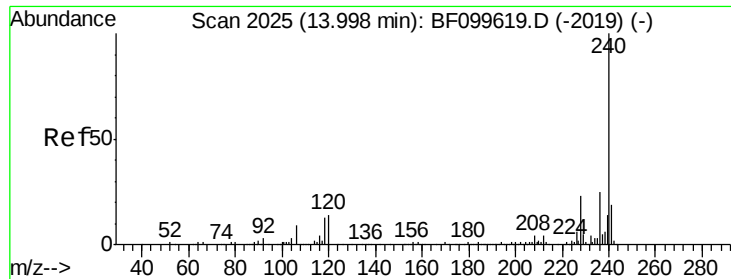
Ion Ratio Lower Upper

202 100

101 13.0 0.0 34.1

203 18.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.997 min Scan# 20

Delta R.T. -0.036 min

Lab File: BF099638.D

Acq: 19 Oct 2017 00:56

Instrument :

BNA_F

ClientSampleId :

CL-02-101617-A

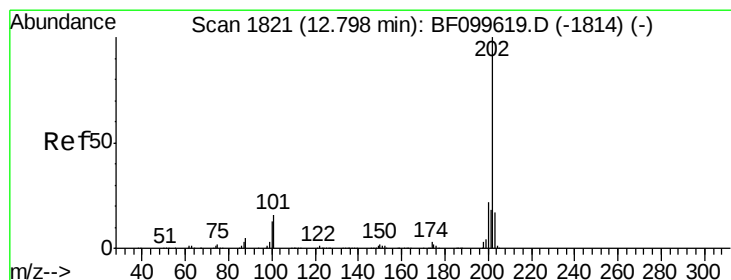
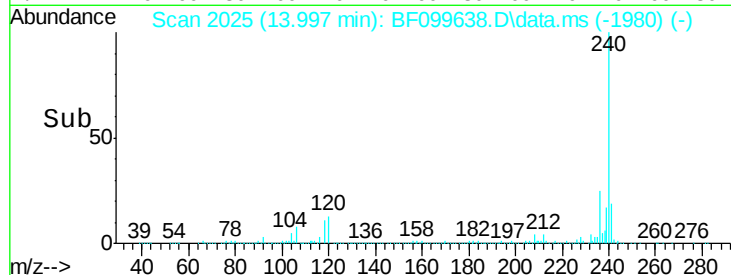
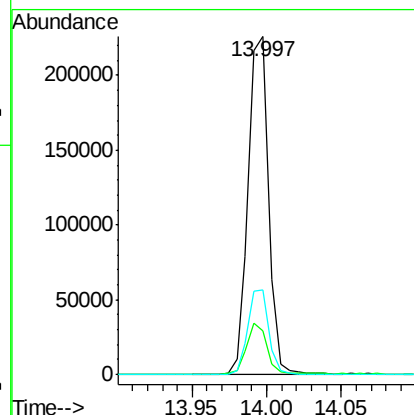
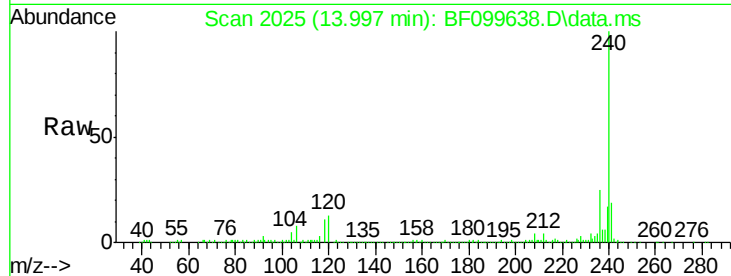
Tot Ion:240 Resp: 215721

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

236 25.1 20.7 31.1



#77

Pyrene

Concen: 5.52 ng

RT: 12.798 min Scan# 1821

Delta R.T. -0.042 min

Lab File: BF099638.D

Acq: 19 Oct 2017 00:56

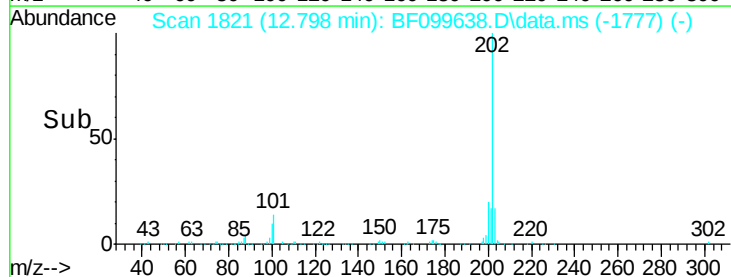
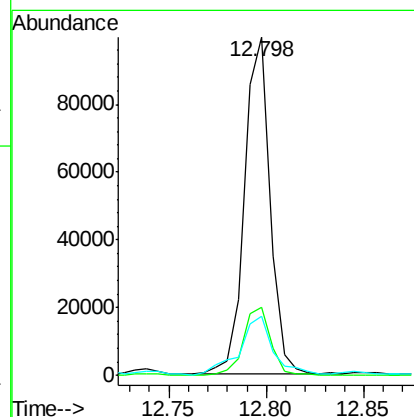
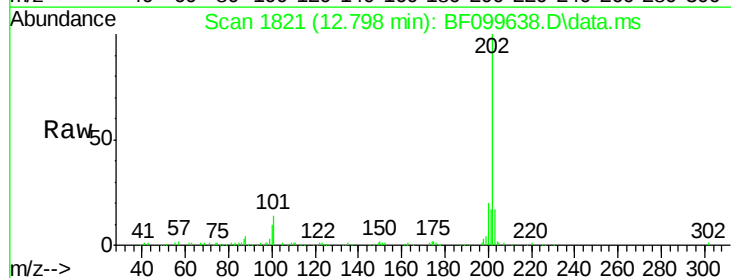
Tgt Ion:202 Resp: 90815

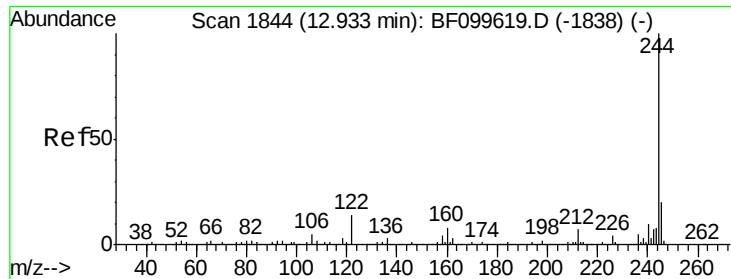
Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

203 17.4 14.3 21.5





#78

Terphenyl-d14

Concen: 10.87 ng

RT: 12.927 min Scan# 18

Delta R.T. -0.047 min

Lab File: BF099638.D

Acq: 19 Oct 2017 00:56

Instrument :

BNA_F

ClientSampleId :

CL-02-101617-A

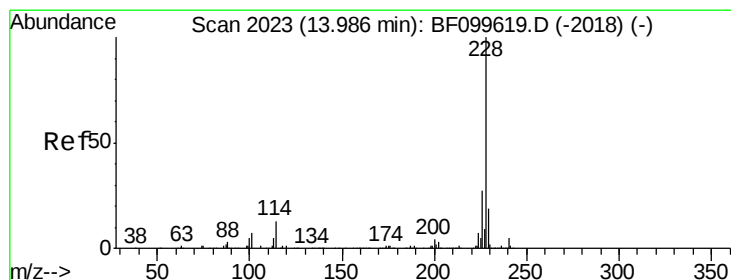
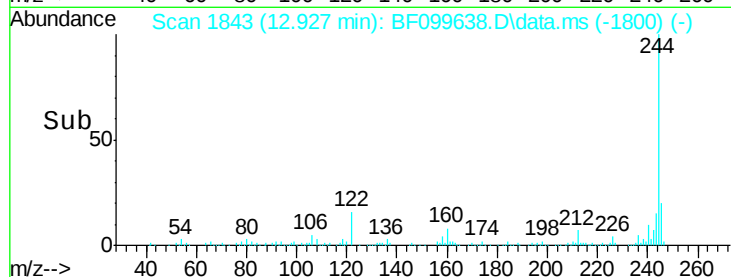
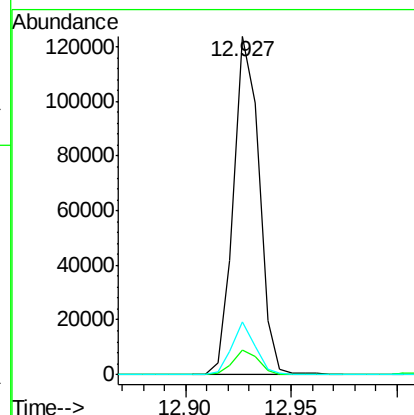
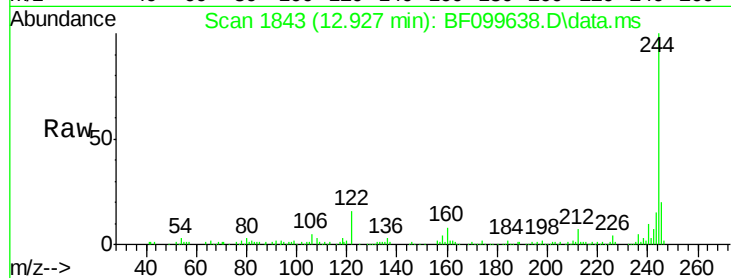
Tot Ion:244 Resp: 103112

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

122 15.6 11.0 16.4



#80

Benzo(a)anthracene

Concen: 3.72 ng

RT: 13.986 min Scan# 2023

Delta R.T. -0.036 min

Lab File: BF099638.D

Acq: 19 Oct 2017 00:56

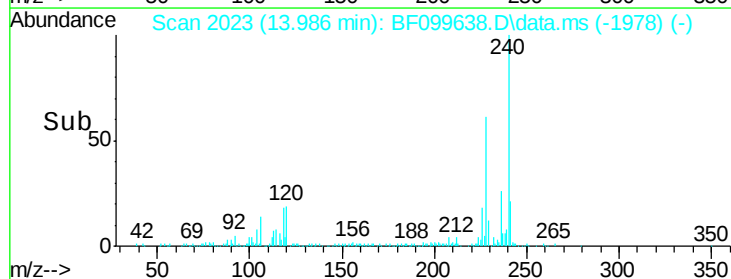
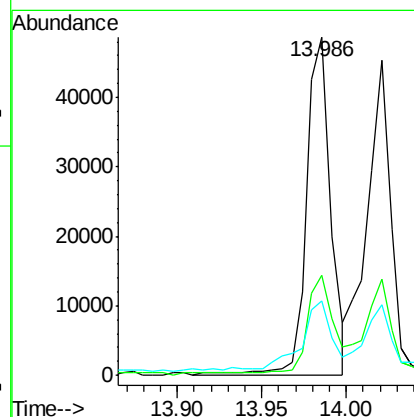
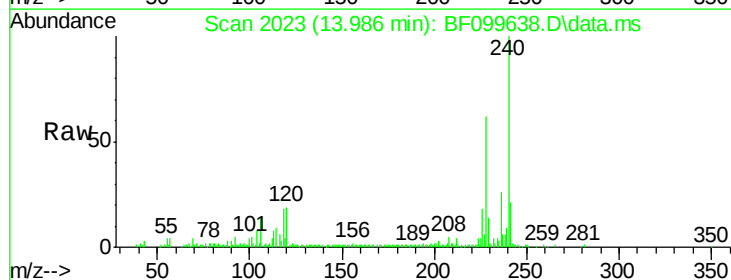
Tgt Ion:228 Resp: 48527

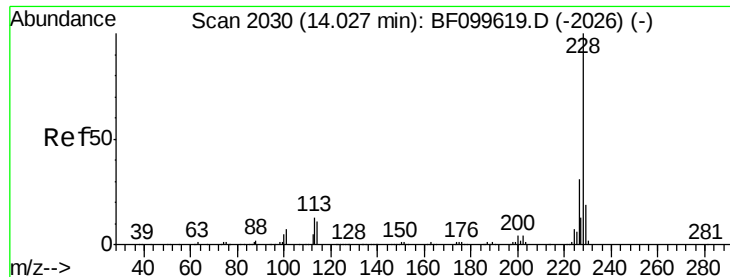
Ion Ratio Lower Upper

228 100

226 29.6 22.6 33.8

229 22.1 15.8 23.6





#82

Chrysene

Concen: 3.49 ng

RT: 14.021 min Scan# 20

Delta R.T. -0.042 min

Lab File: BF099638.D

Acq: 19 Oct 2017 00:56

Instrument :

BNA_F

ClientSampleId :

CL-02-101617-A

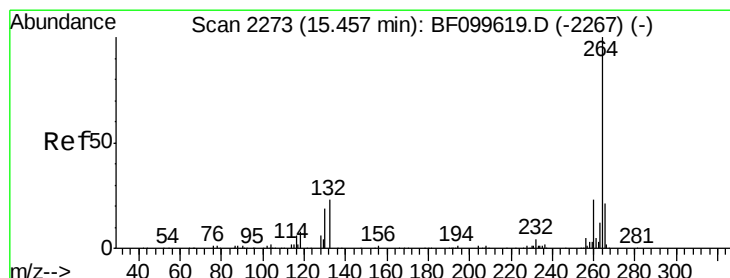
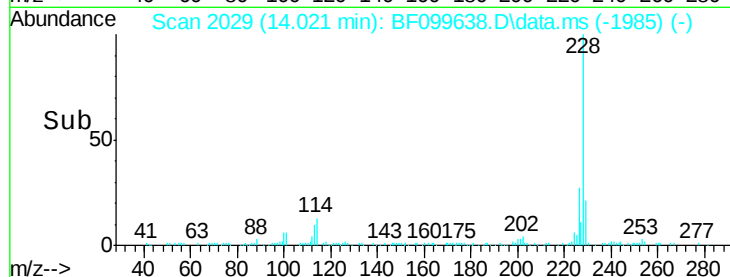
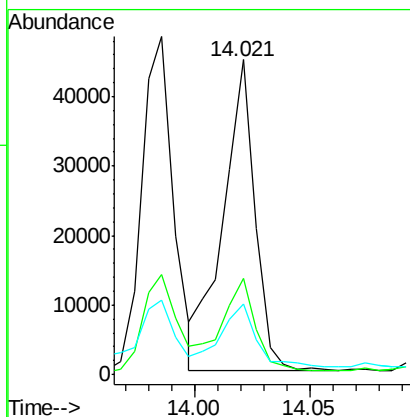
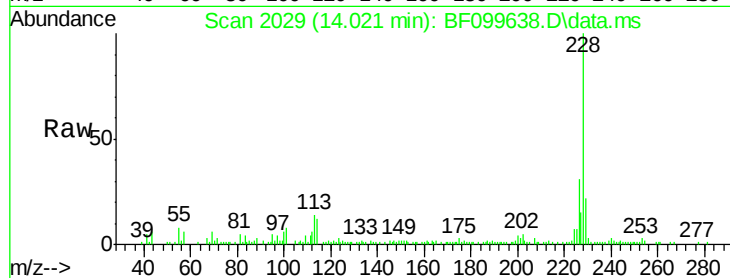
Tot Ion:228 Resp: 43409

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.6

229 22.4 16.2 24.4



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.462 min Scan# 2274

Delta R.T. -0.042 min

Lab File: BF099638.D

Acq: 19 Oct 2017 00:56

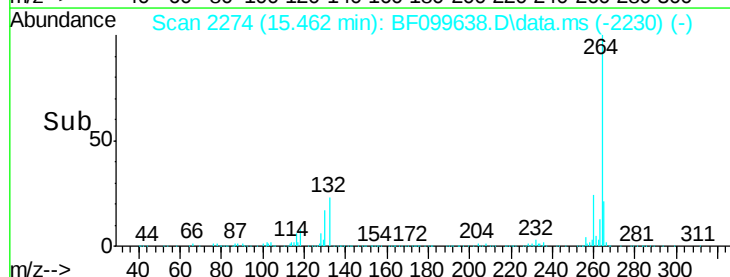
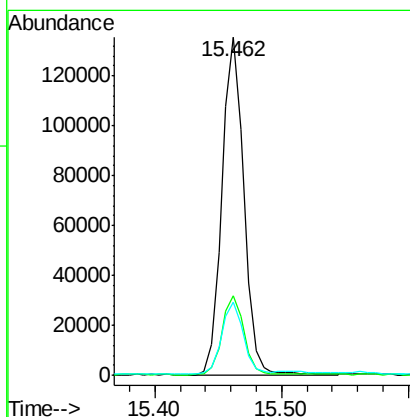
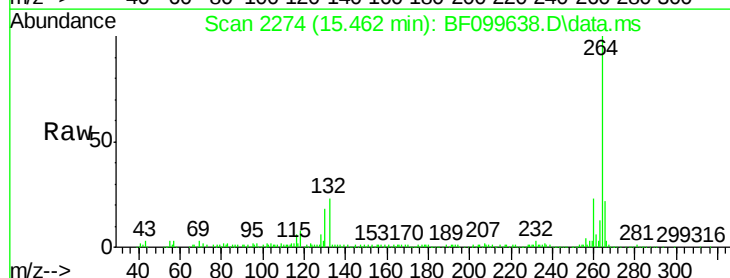
Tgt Ion:264 Resp: 164020

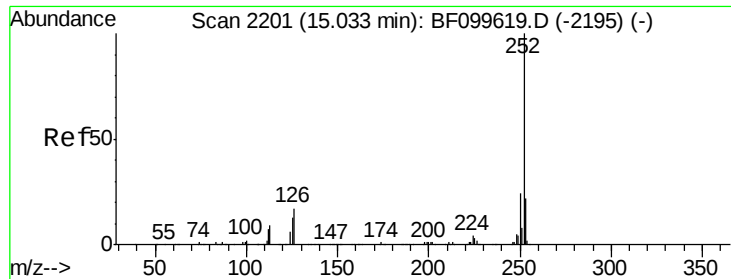
Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.8 17.5 26.3

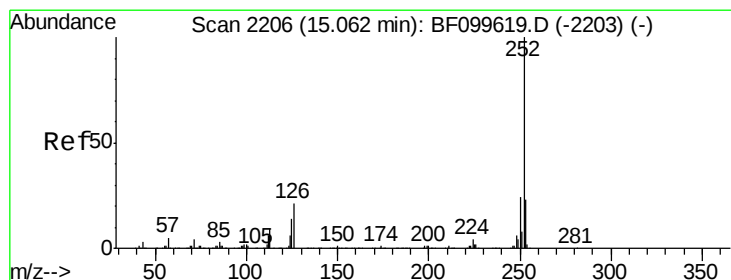
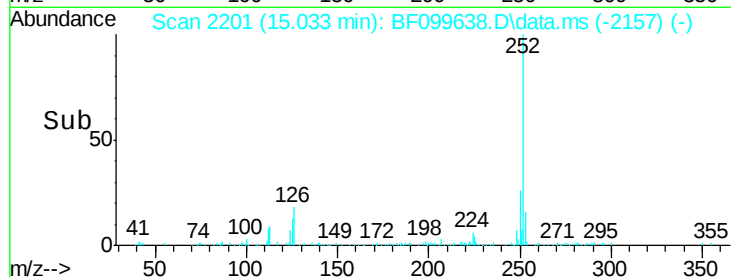
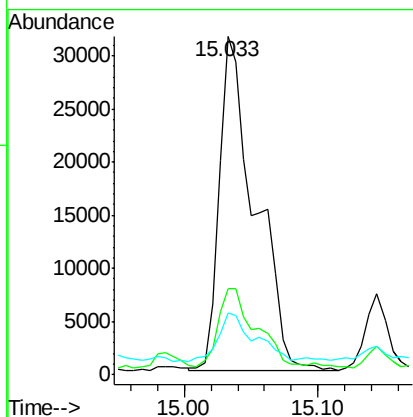
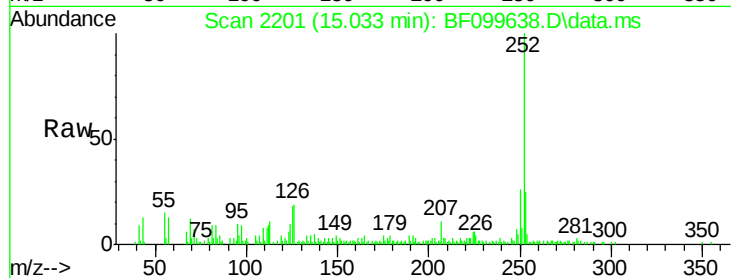




#87
Benzo(b)fluoranthene
Concen: 5.83 ng
RT: 15.033 min Scan# 2201
Delta R.T. -0.042 min
Lab File: BF099638.D
Acq: 19 Oct 2017 00:56

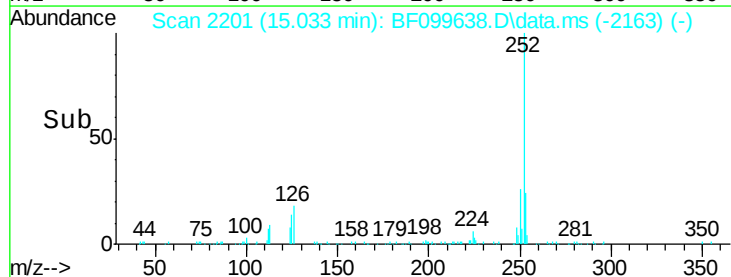
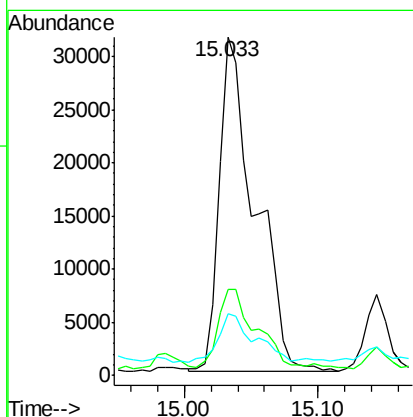
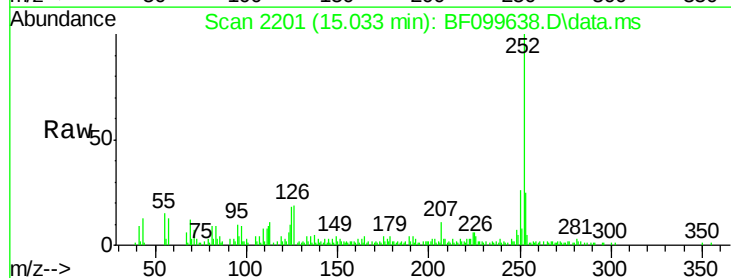
Instrument :
BNA_F
ClientSampleId :
CL-02-101617-A

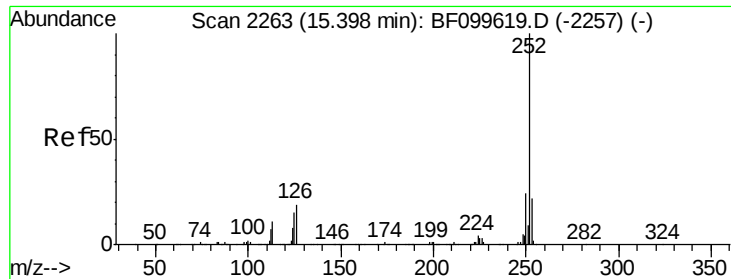
Tot Ion:252 Resp: 58761
Ion Ratio Lower Upper
252 100
253 25.4 17.0 25.6
125 18.1 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 5.90 ng
RT: 15.033 min Scan# 2201
Delta R.T. -0.077 min
Lab File: BF099638.D
Acq: 19 Oct 2017 00:56

Tgt Ion:252 Resp: 58761
Ion Ratio Lower Upper
252 100
253 25.4 17.9 26.9
125 18.1 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 3.41 ng

RT: 15.403 min Scan# 22

Delta R.T. -0.042 min

Lab File: BF099638.D

Acq: 19 Oct 2017 00:56

Instrument :

BNA_F

ClientSampleId :

CL-02-101617-A

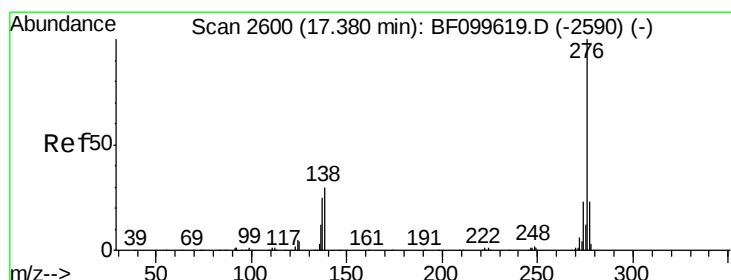
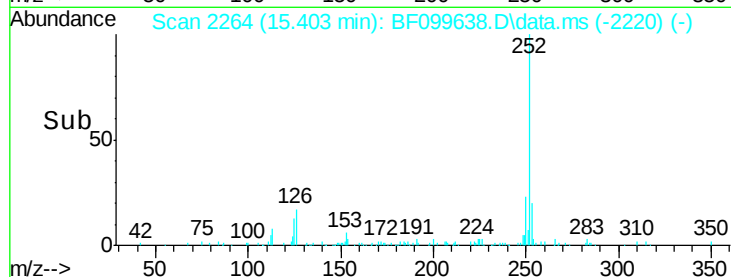
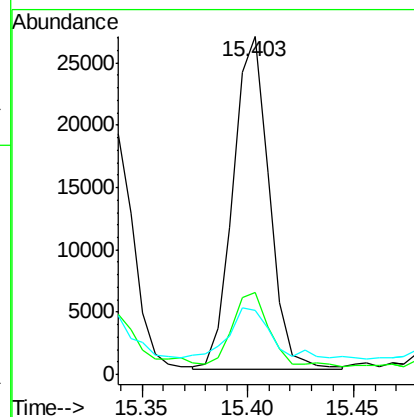
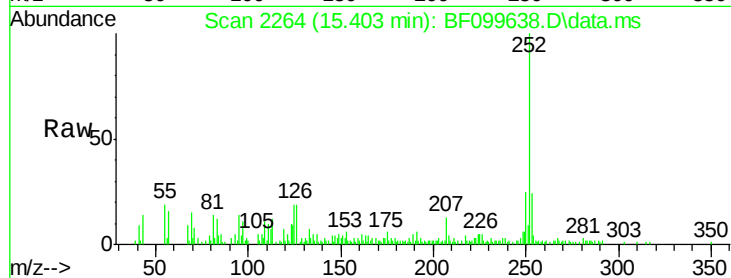
Tot Ion:252 Resp: 31596

Ion Ratio Lower Upper

252 100

253 24.2 17.1 25.7

125 19.0 9.8 14.6#



#91

Benzo(g,h,i)perylene

Concen: 2.33 ng

RT: 17.391 min Scan# 2602

Delta R.T. -0.053 min

Lab File: BF099638.D

Acq: 19 Oct 2017 00:56

Tgt Ion:276 Resp: 17049

Ion Ratio Lower Upper

276 100

277 27.4 17.9 26.9#

138 30.4 21.8 32.8

