

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050218\
 Data File : BF105048.D
 Acq On : 2 May 2018 23:50
 Operator : JU/SJ
 Sample : J2157-13DL 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-043018-ADL

Quant Time: May 03 04:29:00 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 02 17:25:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	80141	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	333878	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	143420	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	234282	20.00	ng	0.00
75) Chrysene-d12	14.02	240	195588	20.00	ng	-0.02
86) Perylene-d12	15.58	264	165403	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	19213	3.67	ng	0.00
7) Phenol-d6	6.45	99	27212	4.23	ng	0.00
23) Nitrobenzene-d5	7.37	82	16683	3.26	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	6327	4.25	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	40688	4.48	ng	0.00
78) Terphenyl-d14	12.91	244	35880	4.18	ng	0.00

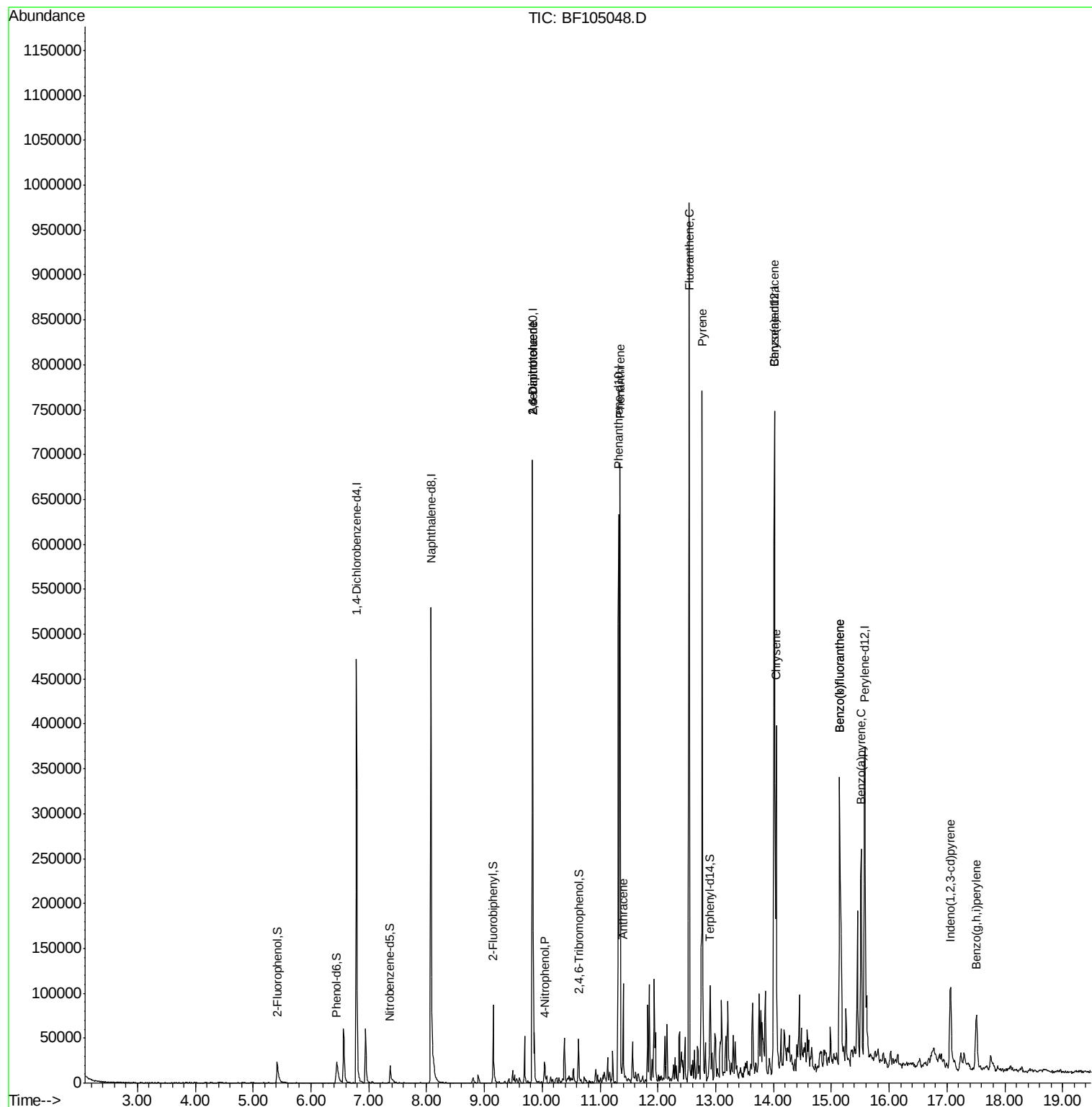
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.56	77	166	Below Cal		# 40
50) 2,6-Dinitrotoluene	9.83	165	18317	8.753	ng	# 25
55) 4-Nitrophenol	10.04	139	4633	2.407	ng	# 9
56) 2,4-Dinitrotoluene	9.83	165	18317	6.673	ng	# 23
70) Phenanthrene	11.35	178	259799	19.913	ng	98
71) Anthracene	11.40	178	52389	3.950	ng	99
74) Fluoranthene	12.54	202	364621	26.748	ng	97
76) Benzydine	12.68	184	721	Below Cal		# 66
77) Pyrene	12.77	202	298222	20.570	ng	99
80) Benzo(a)anthracene	14.01	228	158810	13.591	ng	94
82) Chrysene	14.04	228	145474	12.121	ng	98
85) Indeno(1,2,3-cd)pyrene	17.06	276	59175	5.804	ng	94
87) Benzo(b)fluoranthene	15.14	252	234512	22.449	ng	97
88) Benzo(k)fluoranthene	15.14	252	234512	23.778	ng	99
89) Benzo(a)pyrene	15.52	252	111901	11.972	ng	98
91) Benzo(g,h,i)perylene	17.51	276	54932	7.386	ng	# 93

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

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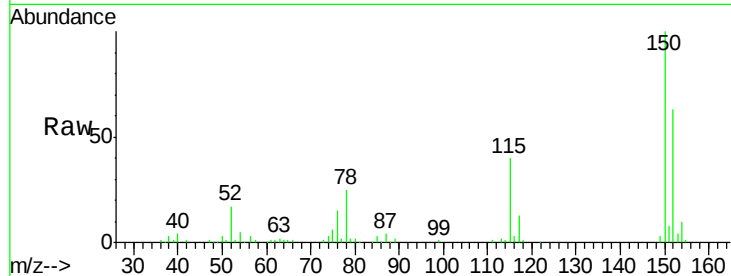


#1

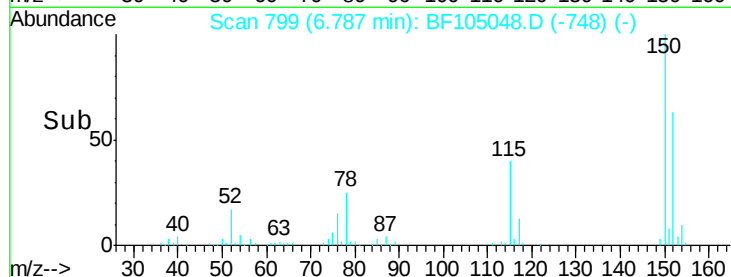
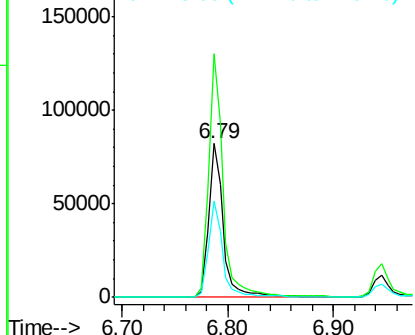
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

Instrument :
BNA_F
ClientSampleId :
CL-02-043018-ADL

Tgt Ion:152 Resp: 80141
Ion Ratio Lower Upper
152 100
150 158.3 124.6 186.8
115 63.1 50.1 75.1



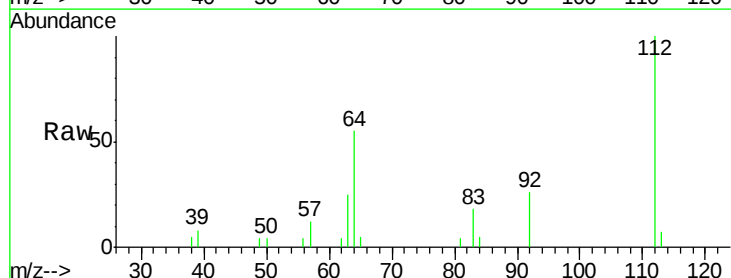
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



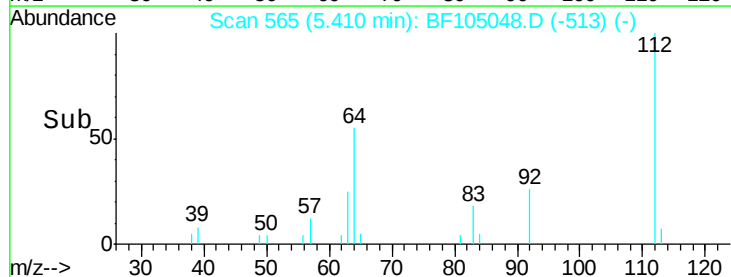
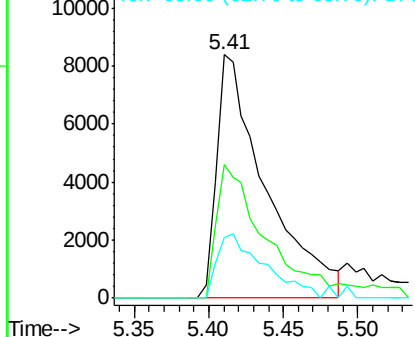
#5

2-Fluorophenol
Concen: 3.666 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

Tgt Ion:112 Resp: 19213
Ion Ratio Lower Upper
112 100
64 54.7 47.9 71.9
63 25.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 4.226 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF105048.D

Acq: 2 May 2018 23:50

Instrument :

BNA_F

ClientSampleId :

CL-02-043018-ADL

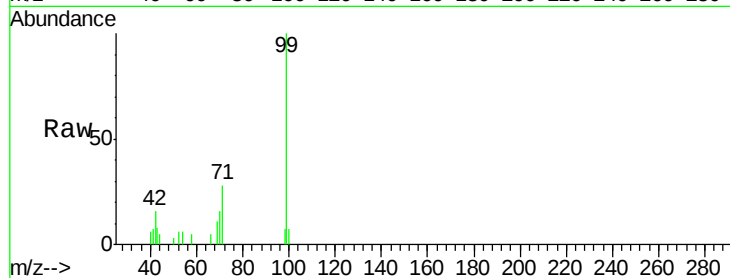
Tgt Ion: 99 Resp: 27212

Ion Ratio Lower Upper

99 100

42 16.0 14.5 21.7

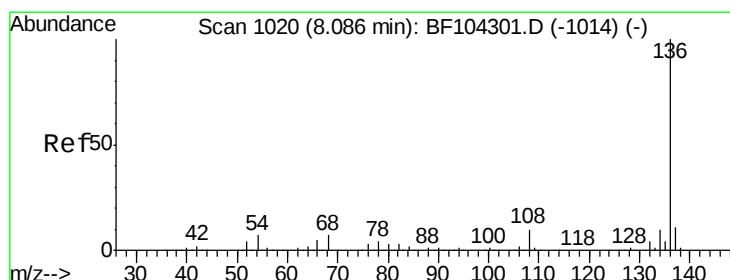
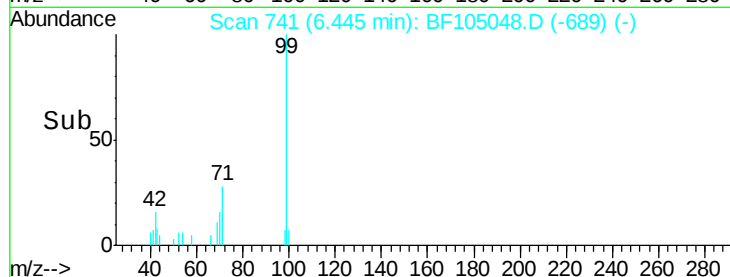
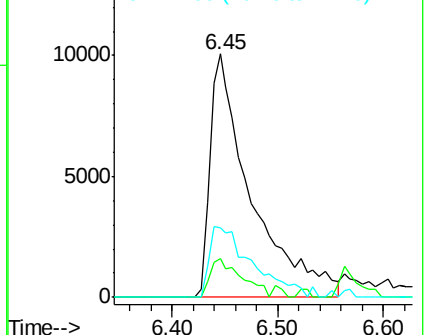
71 28.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BF105048.D

Acq: 2 May 2018 23:50

Tgt Ion: 136 Resp: 333878

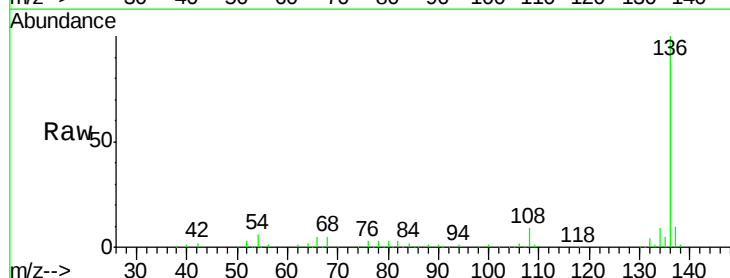
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 6.0 6.6 9.8#

68 5.4 5.0 7.4

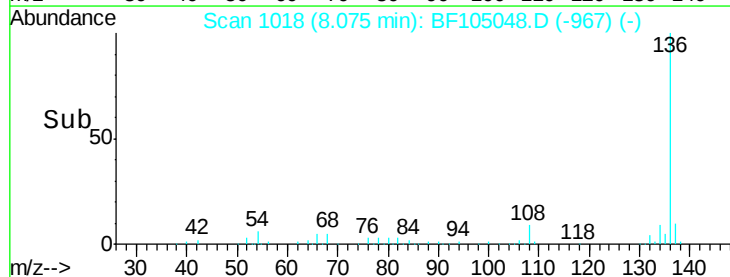
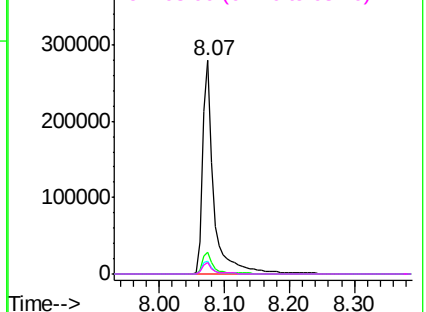


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

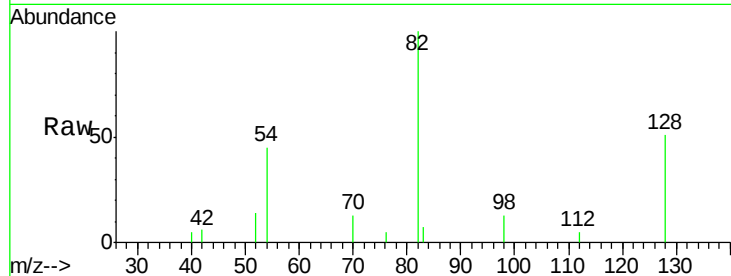




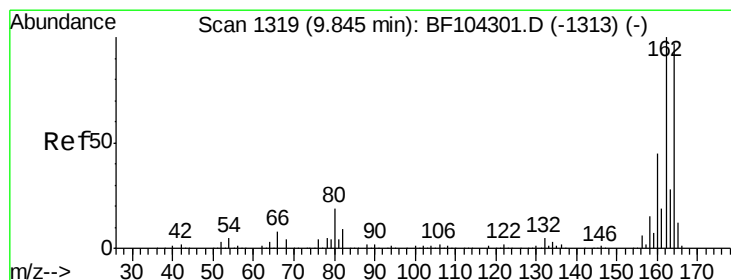
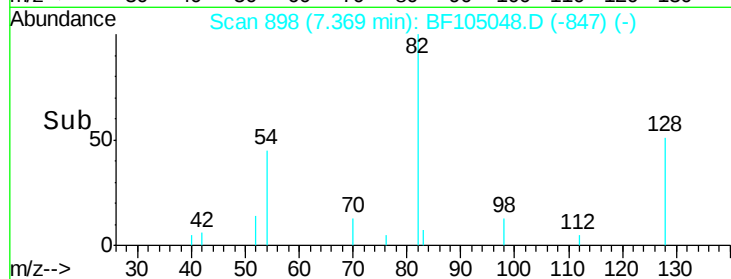
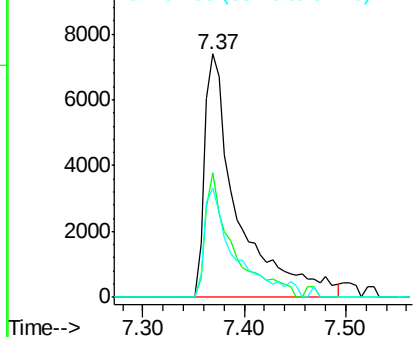
#23
 Nitrobenzene-d5
 Concen: 3.263 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.00 min
 Lab File: BF105048.D
 Acq: 2 May 2018 23:50

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-043018-ADL

Tgt Ion: 82 Resp: 16683
 Ion Ratio Lower Upper
 82 100
 128 51.0 36.1 54.1
 54 44.8 41.4 62.2

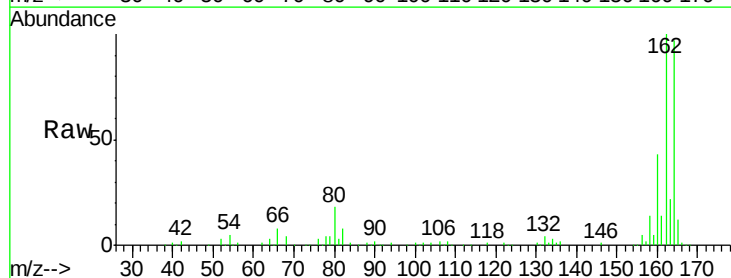


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

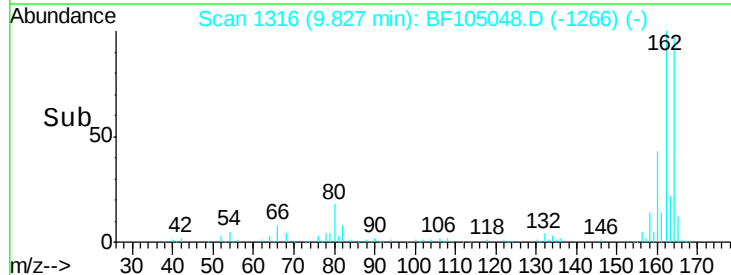
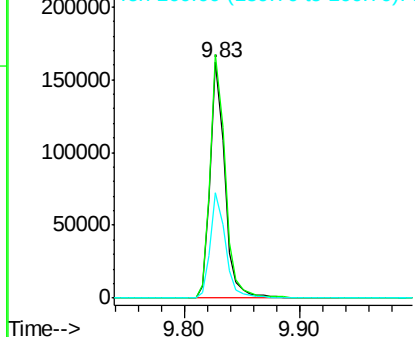


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF105048.D
 Acq: 2 May 2018 23:50

Tgt Ion: 164 Resp: 143420
 Ion Ratio Lower Upper
 164 100
 162 103.2 86.1 129.1
 160 44.8 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
 Ion 162.00 (161.70 to 162.70): BF1
 Ion 160.00 (159.70 to 160.70): BF1

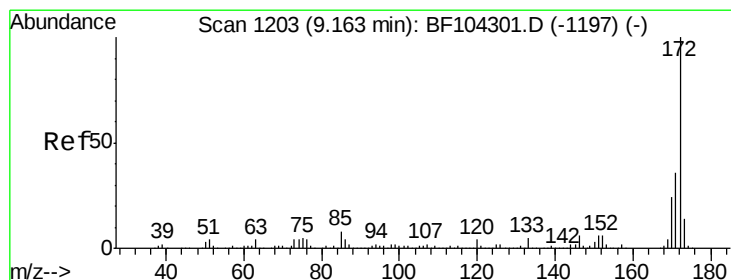
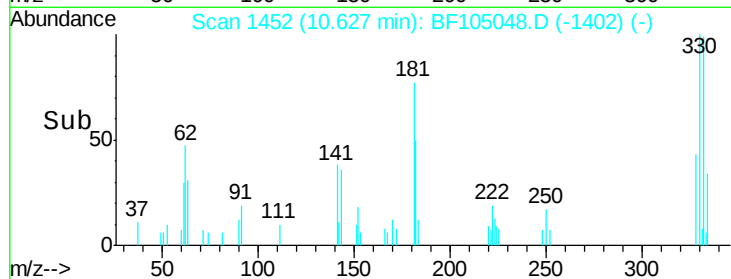
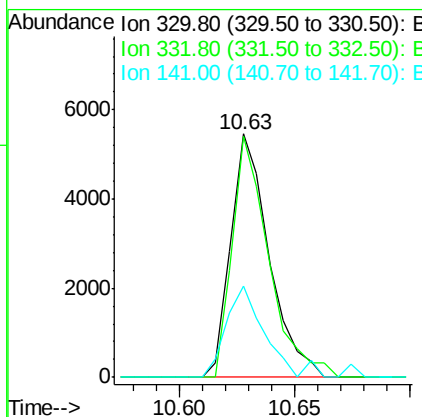
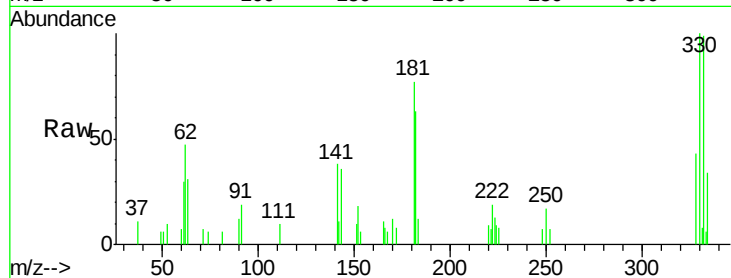




#41
 2,4,6-Tribromophenol
 Concen: 4.253 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF105048.D
 Acq: 2 May 2018 23:50

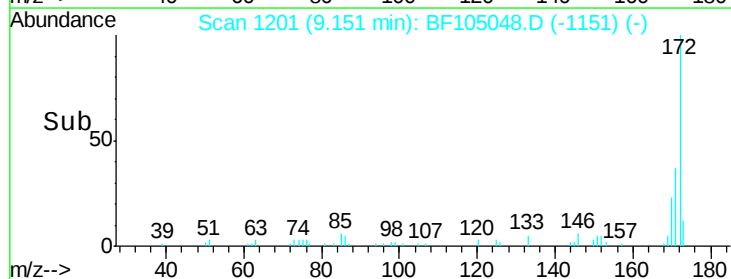
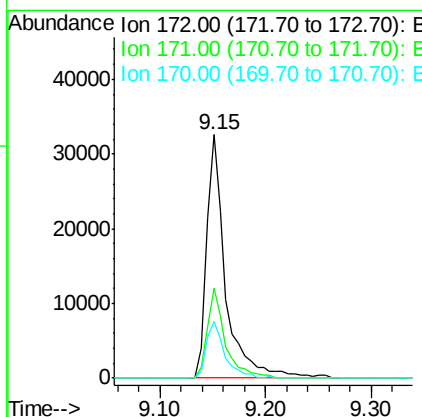
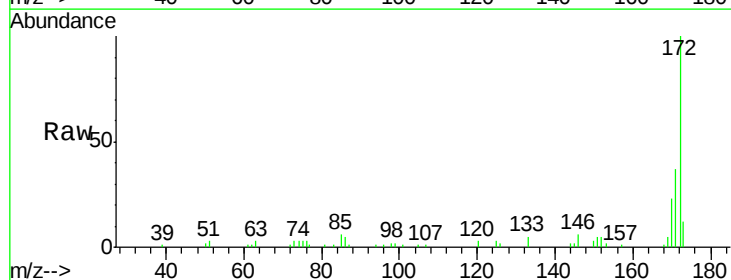
Instrument :
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 ClientSampleId :
 CL-02-043018-ADL

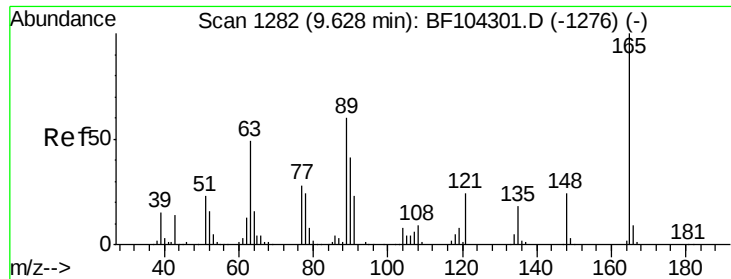
Tgt Ion:330 Resp: 6327
 Ion Ratio Lower Upper
 330 100
 332 94.3 77.0 115.6
 141 38.1 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 4.482 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF105048.D
 Acq: 2 May 2018 23:50

Tgt Ion:172 Resp: 40688
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.7 44.5
 170 23.3 19.6 29.4

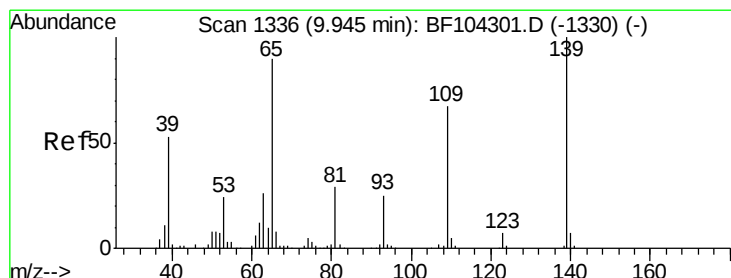
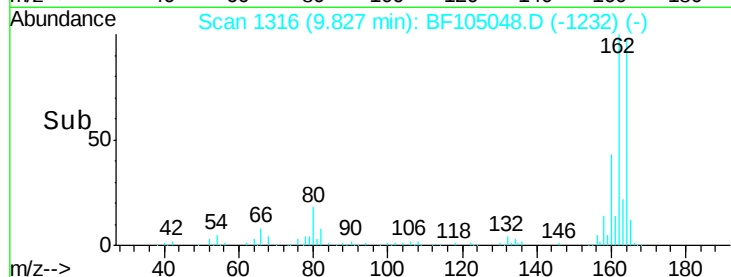
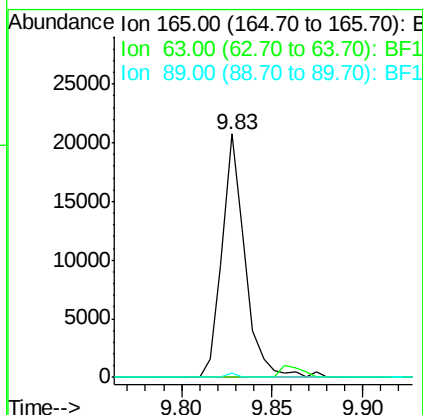
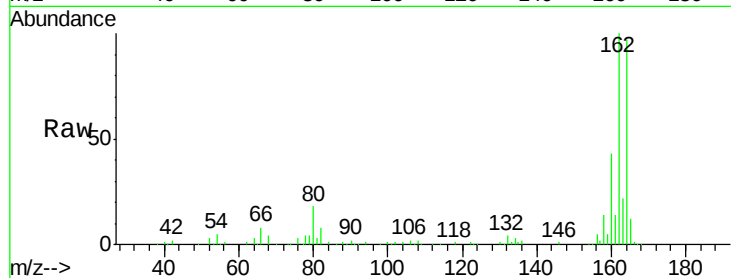




#50
 2,6-Dinitrotoluene
 Concen: 8.753 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.19 min
 Lab File: BF105048.D
 Acq: 2 May 2018 23:50

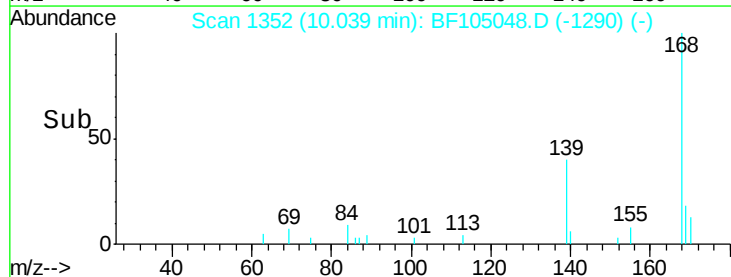
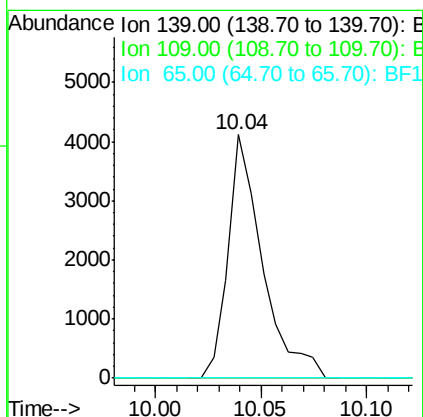
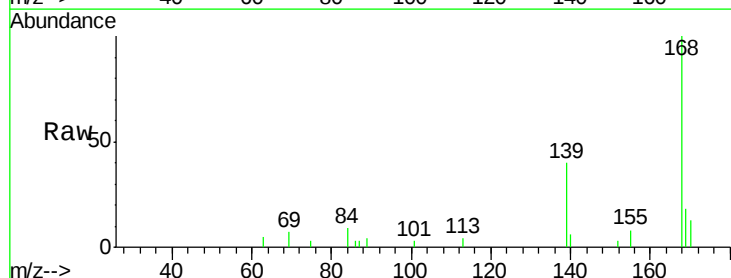
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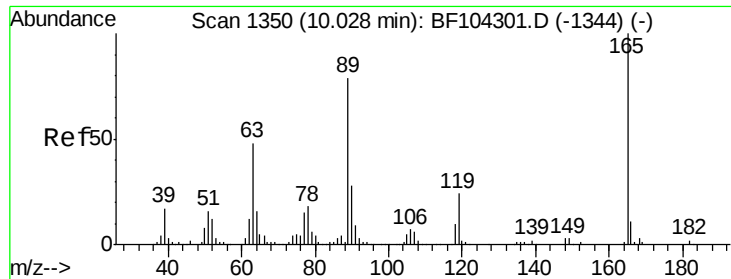
Tgt Ion:165 Resp: 18317
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 1.6 44.0 66.0#



#55
 4-Nitrophenol
 Concen: 2.407 ng
 RT: 10.04 min Scan# 1352
 Delta R.T. 0.06 min
 Lab File: BF105048.D
 Acq: 2 May 2018 23:50

Tgt Ion:139 Resp: 4633
 Ion Ratio Lower Upper
 139 100
 109 0.0 48.4 88.4#
 65 0.0 72.6 112.6#

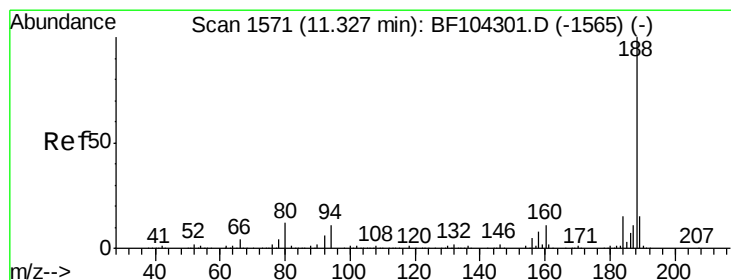
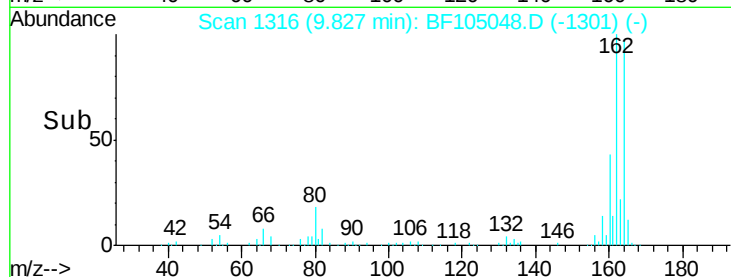
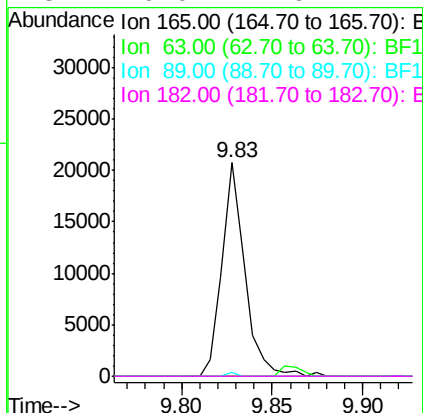
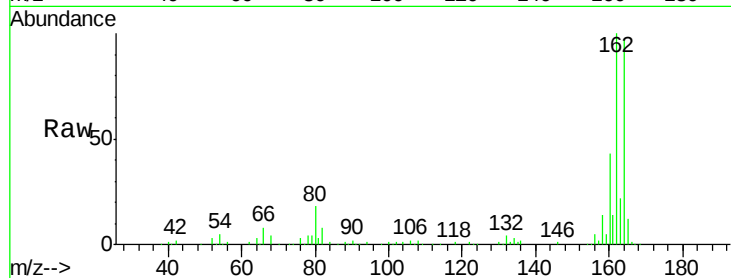




#56
 2,4-Dinitrotoluene
 Concen: 6.673 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF105048.D
 Acq: 2 May 2018 23:50

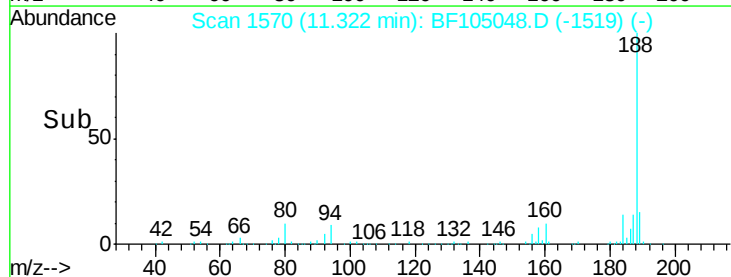
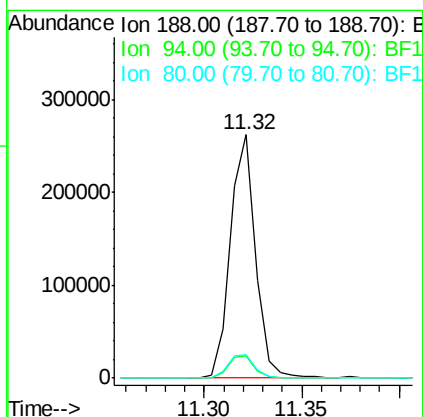
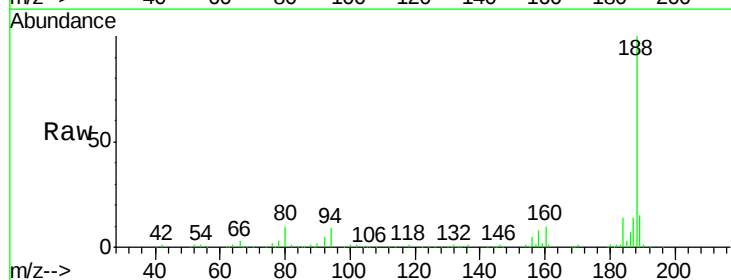
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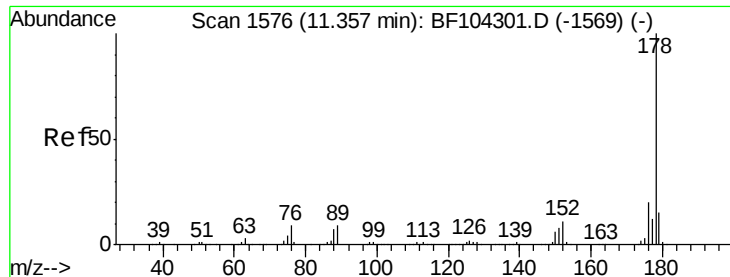
Tgt Ion:	165	Resp:	18317
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF105048.D
 Acq: 2 May 2018 23:50

Tgt Ion:	188	Resp:	234282
Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	9.5	9.2	13.8





#70

Phenanthrene

Concen: 19.913 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF105048.D

Acq: 2 May 2018 23:50

Instrument :

BNA_F

ClientSampleId :

CL-02-043018-ADL

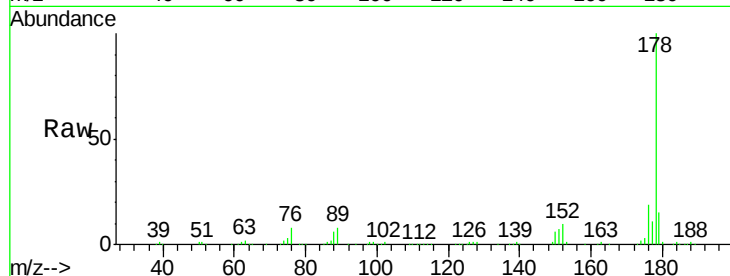
Tgt Ion:178 Resp: 259799

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

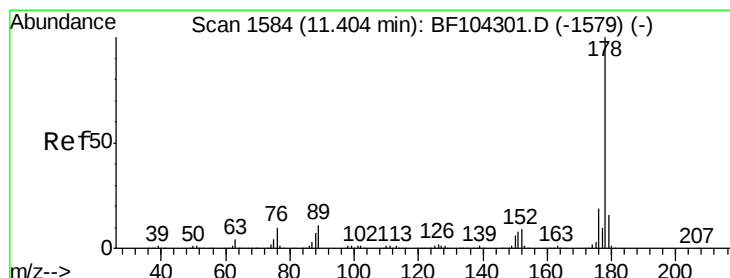
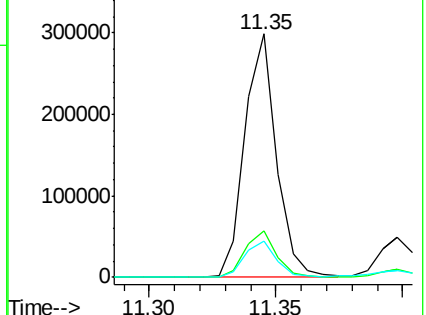
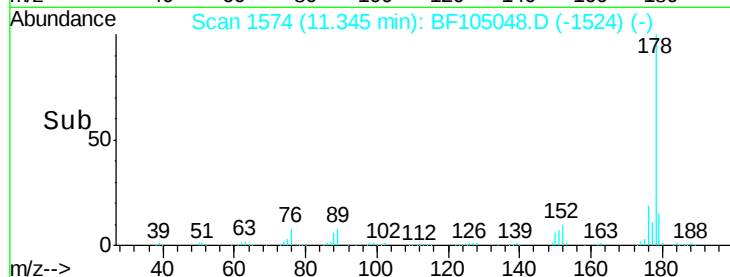
179 15.0 13.0 19.6



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



#71

Anthracene

Concen: 3.950 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF105048.D

Acq: 2 May 2018 23:50

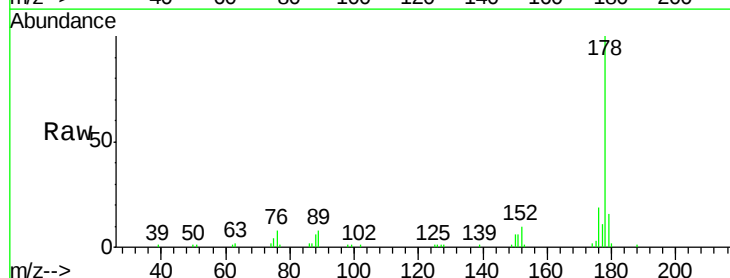
Tgt Ion:178 Resp: 52389

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

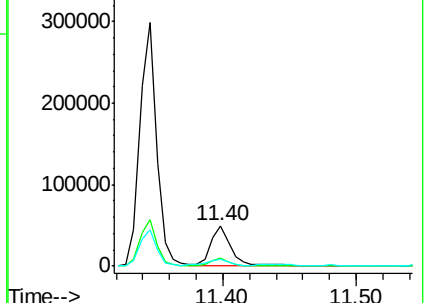
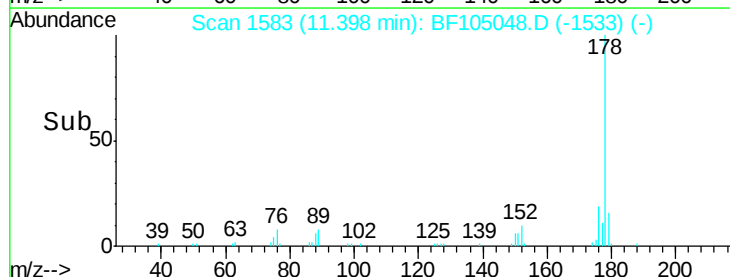
179 16.2 12.6 19.0

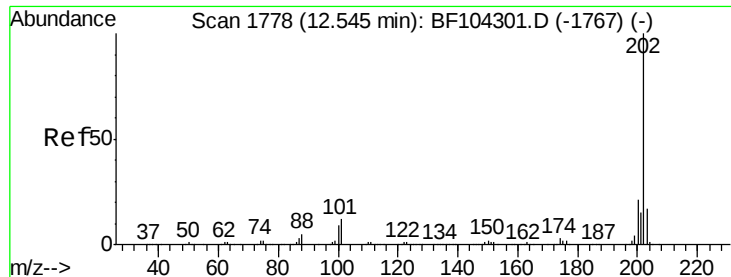


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

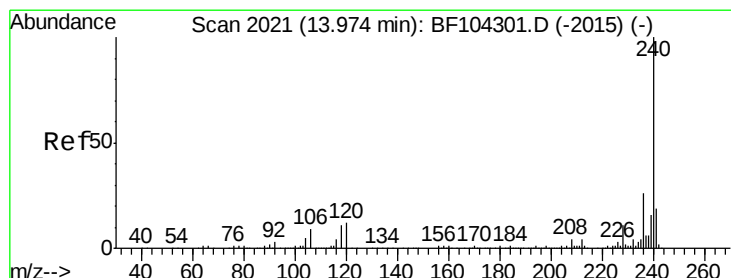
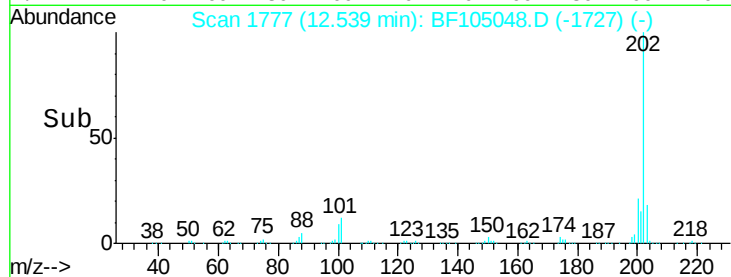
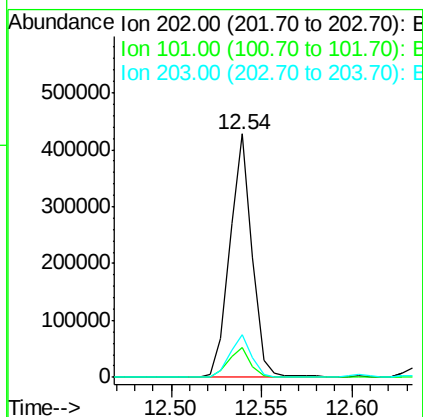
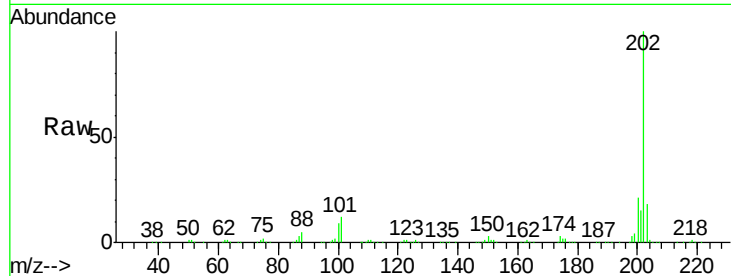




#74
 Fluoranthene
 Concen: 26.748 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: BF105048.D
 Acq: 2 May 2018 23:50

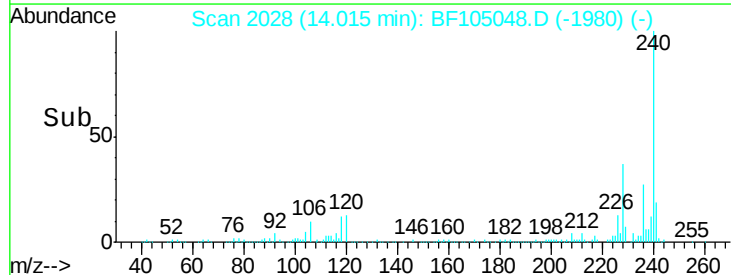
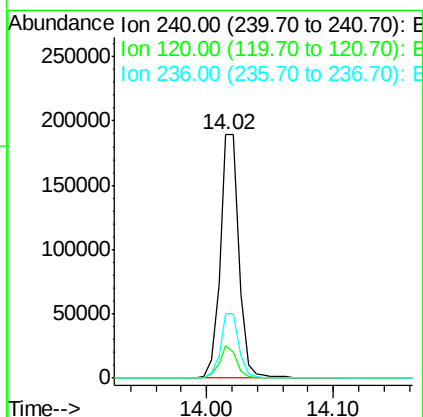
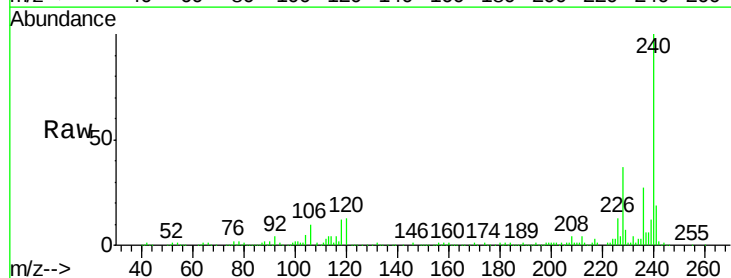
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-043018-ADL

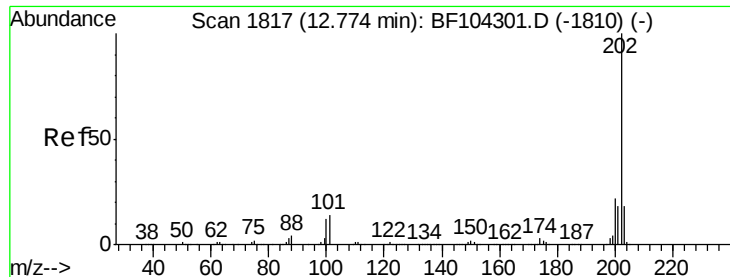
Tgt Ion: 202 Resp: 364621
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 34.1
 203 17.6 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: BF105048.D
 Acq: 2 May 2018 23:50

Tgt Ion: 240 Resp: 195588
 Ion Ratio Lower Upper
 240 100
 120 13.4 9.5 14.3
 236 26.7 20.7 31.1

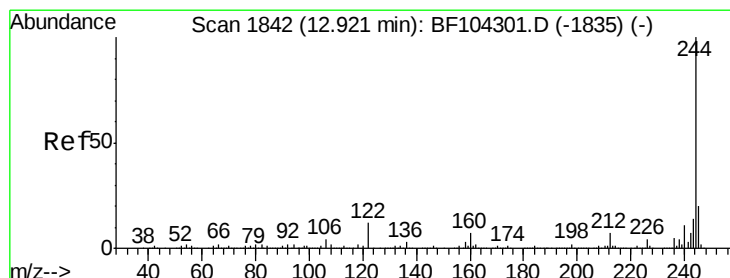
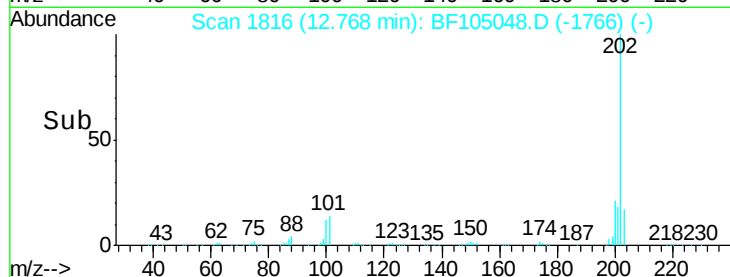
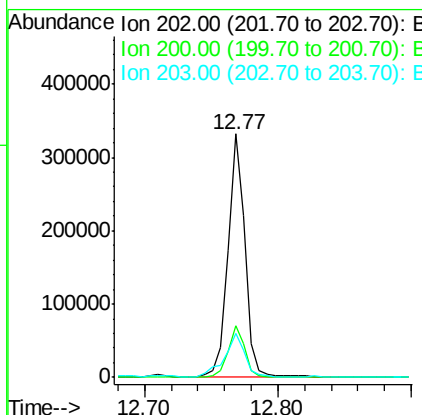
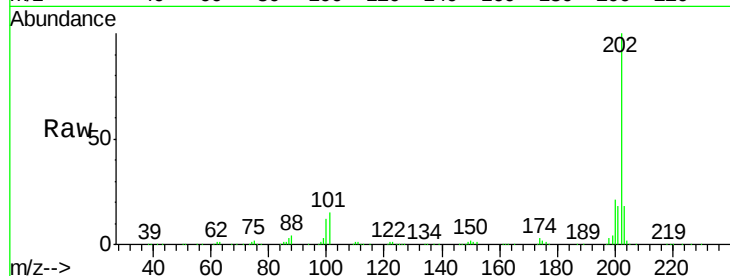




#77
 Pyrene
 Concen: 20.570 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: BF105048.D
 Acq: 2 May 2018 23:50

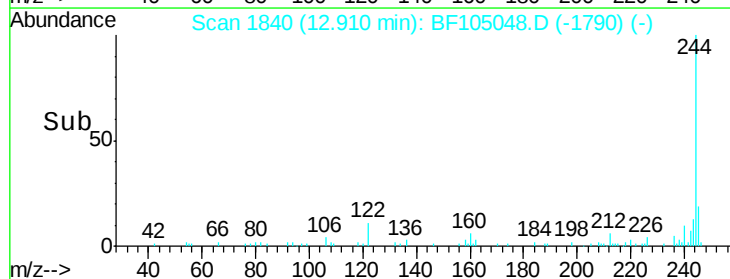
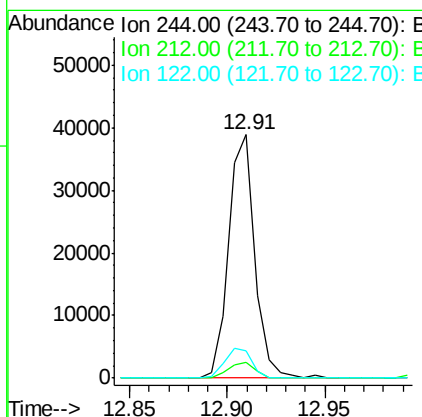
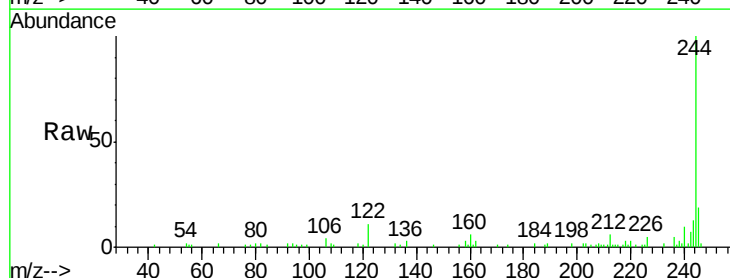
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-043018-ADL

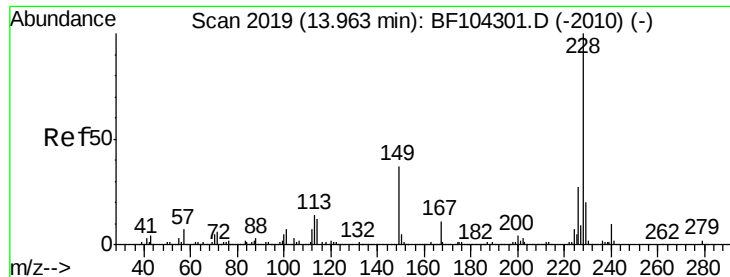
Tgt Ion: 202 Resp: 298222
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.4 26.2
 203 17.9 14.3 21.5



#78
 Terphenyl-d14
 Concen: 4.182 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF105048.D
 Acq: 2 May 2018 23:50

Tgt Ion: 244 Resp: 35880
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 11.4 11.0 16.4





#80

Benzo(a)anthracene

Concen: 13.591 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF105048.D

Acq: 2 May 2018 23:50

Instrument :

BNA_F

ClientSampleId :

CL-02-043018-ADL

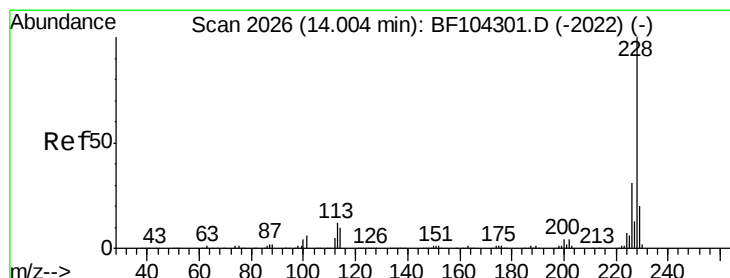
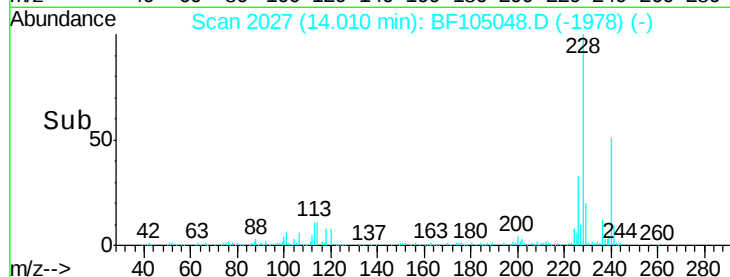
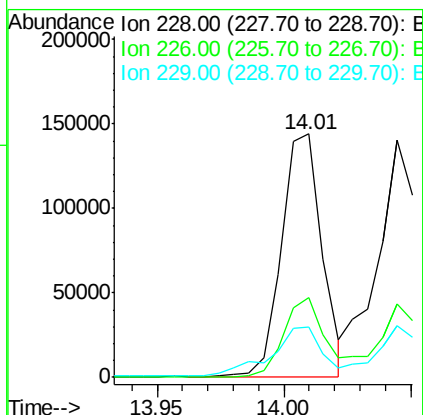
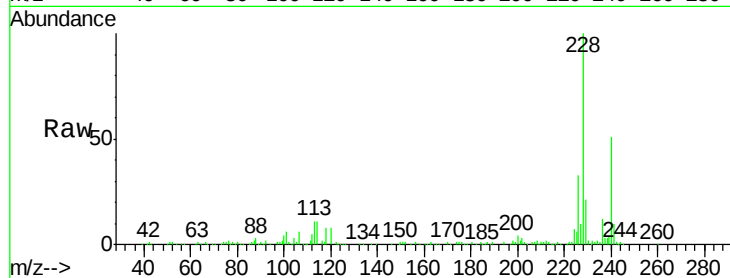
Tgt Ion:228 Resp: 158810

Ion Ratio Lower Upper

228 100

226 32.7 22.6 33.8

229 20.7 15.8 23.6



#82

Chrysene

Concen: 12.121 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.02 min

Lab File: BF105048.D

Acq: 2 May 2018 23:50

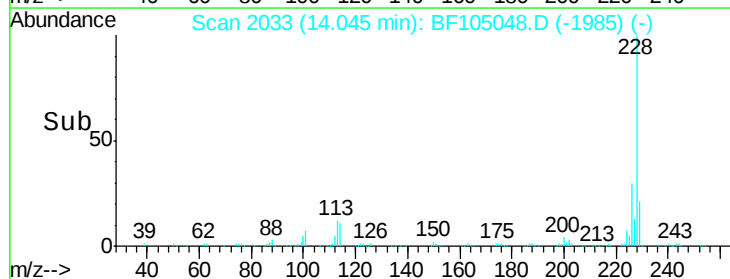
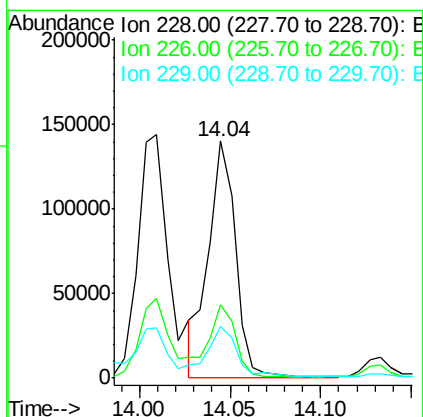
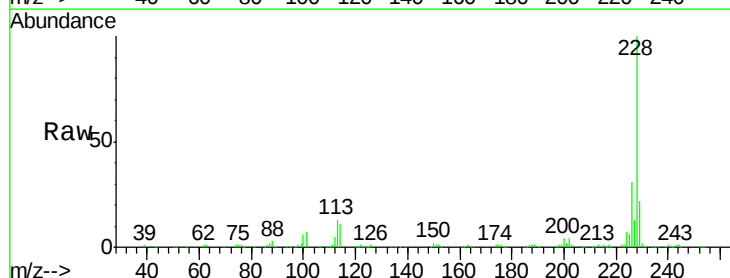
Tgt Ion:228 Resp: 145474

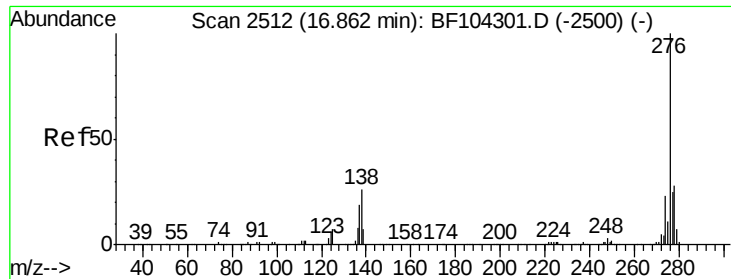
Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

229 22.0 16.2 24.4

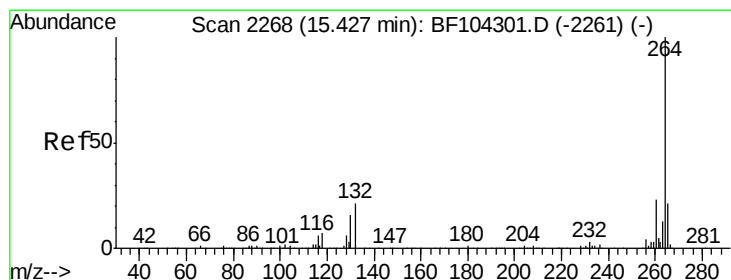
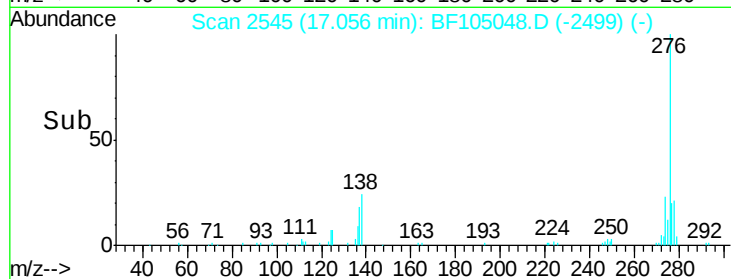
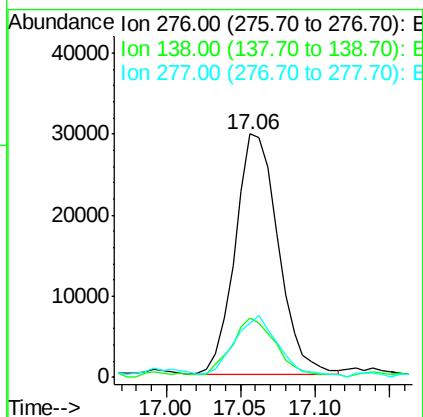
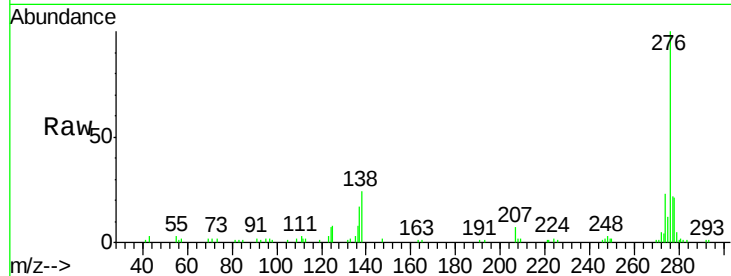




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.804 ng
 RT: 17.06 min Scan# 2545
 Delta R.T. -0.03 min
 Lab File: BF105048.D
 Acq: 2 May 2018 23:50

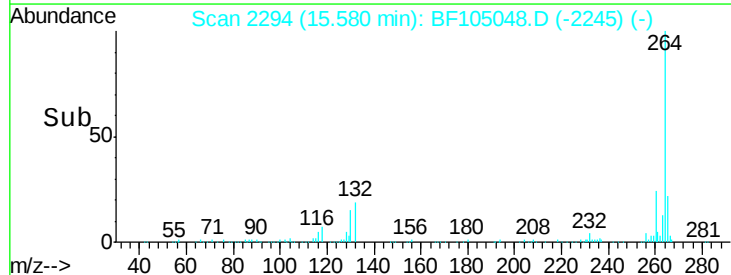
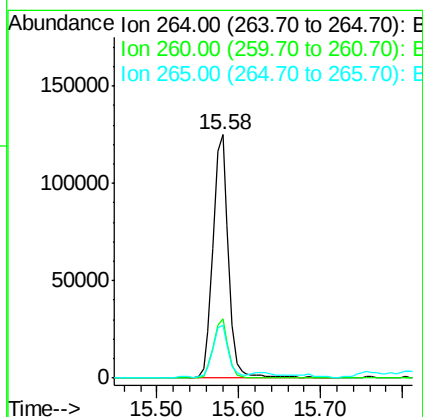
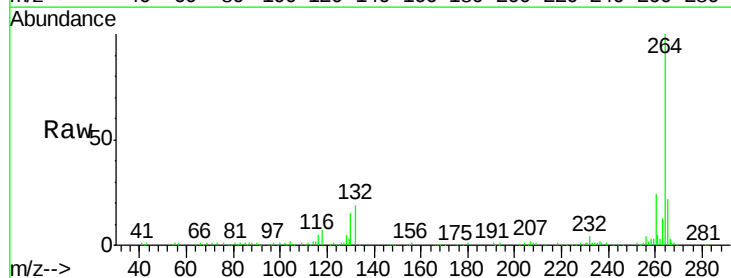
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-043018-ADL

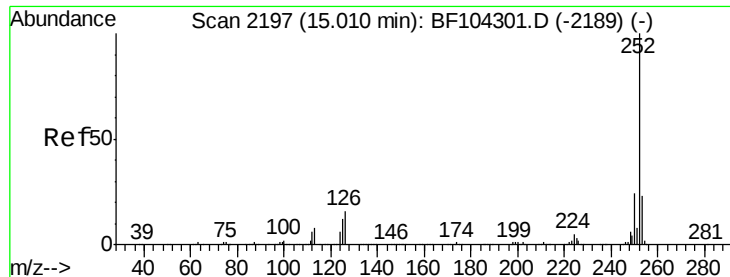
Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.6	25.0	37.6
277	27.1	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.58 min Scan# 2294
 Delta R.T. -0.01 min
 Lab File: BF105048.D
 Acq: 2 May 2018 23:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.6	17.5	26.3

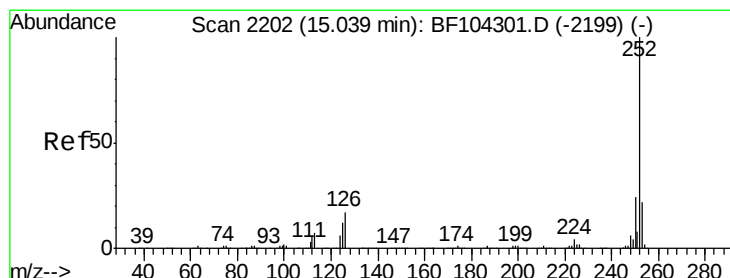
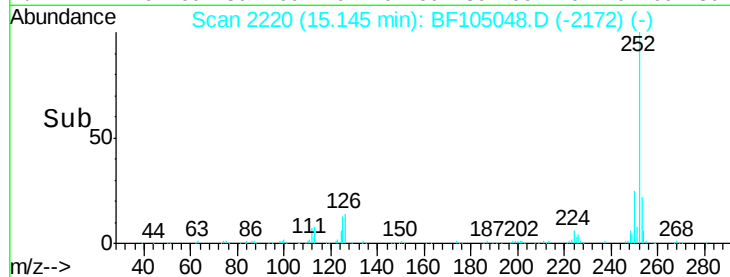
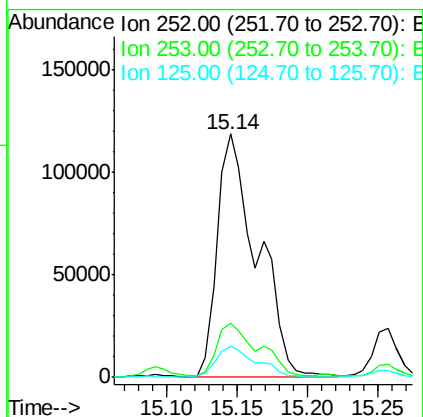
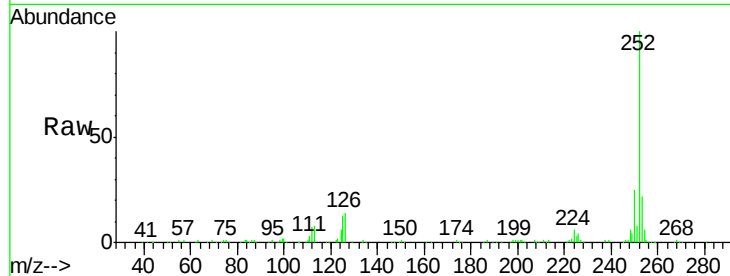




#87
Benzo(b)fluoranthene
Concen: 22.449 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.02 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

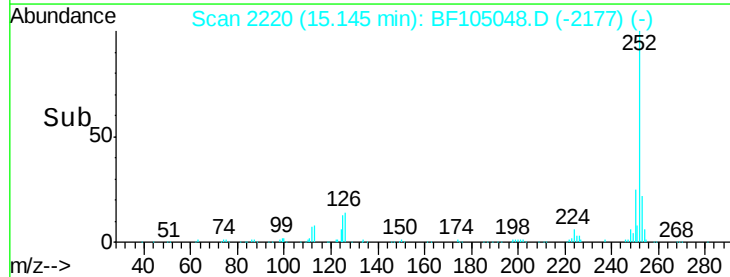
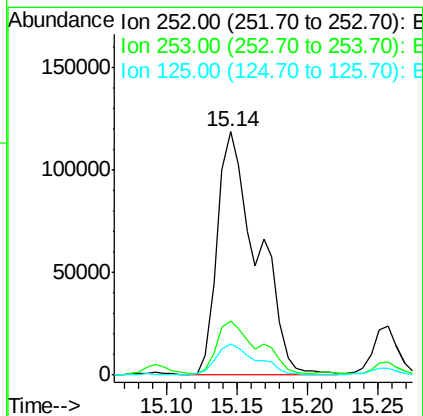
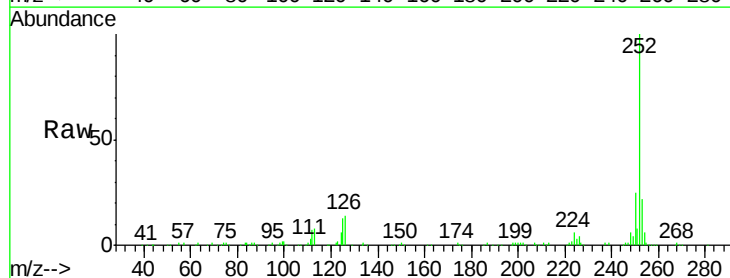
Instrument :
BNA_F
ClientSampleId :
CL-02-043018-ADL

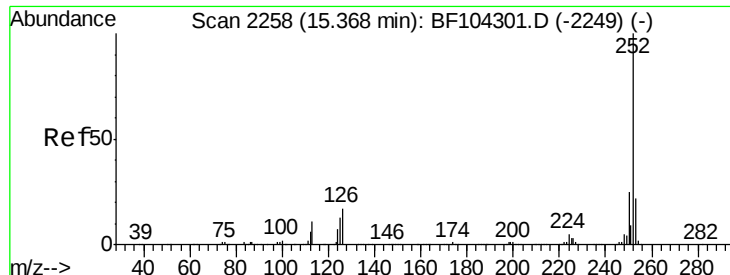
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	13.0	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 23.778 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.05 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	13.0	10.2	15.2





#89

Benzo(a)pyrene

Concen: 11.972 ng

RT: 15.52 min Scan# 2283

Delta R.T. -0.02 min

Lab File: BF105048.D

Acq: 2 May 2018 23:50

Instrument :

BNA_F

ClientSampleId :

CL-02-043018-ADL

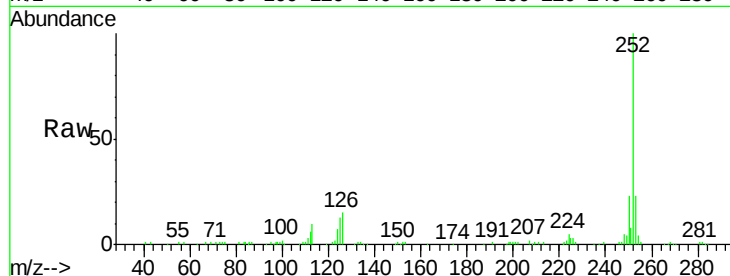
Tgt Ion:252 Resp: 111901

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

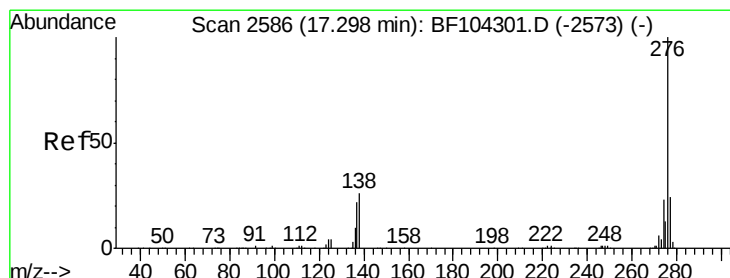
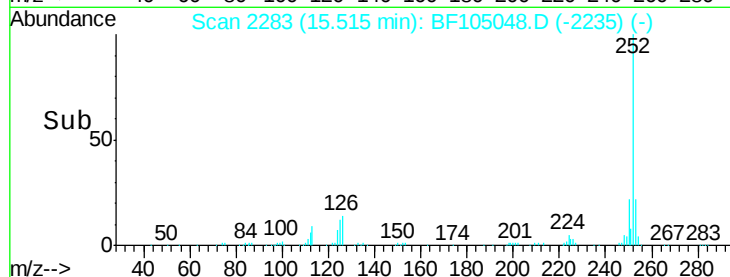
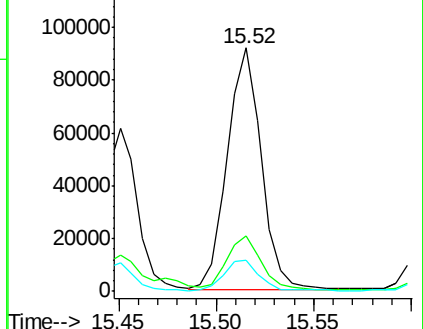
125 12.7 9.8 14.6



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: 7.386 ng

RT: 17.51 min Scan# 2622

Delta R.T. -0.02 min

Lab File: BF105048.D

Acq: 2 May 2018 23:50

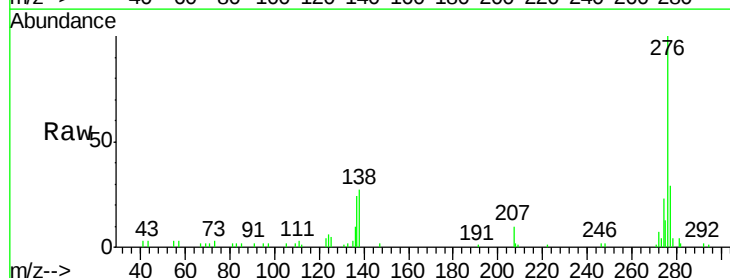
Tgt Ion:276 Resp: 54932

Ion Ratio Lower Upper

276 100

277 29.0 17.9 26.9#

138 27.0 21.8 32.8



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

