

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050218\
 Data File : BF105050.D
 Acq On : 3 May 2018 00:43
 Operator : JU/SJ
 Sample : J2652-12DL 10X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AMENDED-COMPOSITE-P5-WCDL

Quant Time: May 03 04:29:48 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	84528	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	340931	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	148236	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	245606	20.00	ng	0.00
75) Chrysene-d12	14.01	240	206214	20.00	ng	-0.02
86) Perylene-d12	15.56	264	162856	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1733	0.31	ng	0.04
7) Phenol-d6	6.45	99	26158	3.85	ng	0.00
23) Nitrobenzene-d5	7.36	82	35949	6.89	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	272	0.18	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	63454	6.76	ng	0.00
78) Terphenyl-d14	12.91	244	54411	6.02	ng	0.00

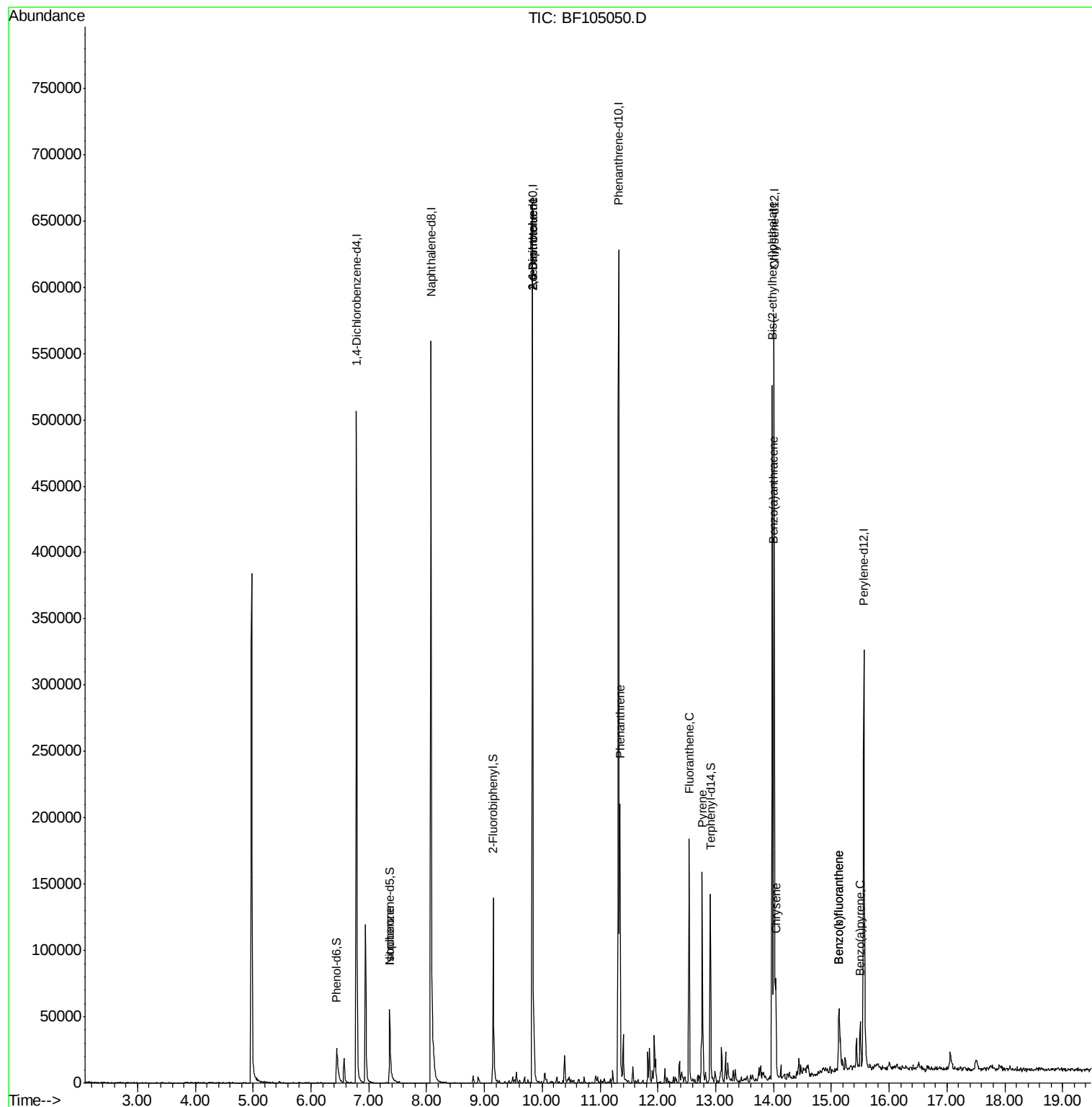
Target Compounds				Qvalue		
25) Isophorone	7.36	82	35948	3.256	ng	# 64
50) 2,6-Dinitrotoluene	9.83	165	18561	8.581	ng	# 25
56) 2,4-Dinitrotoluene	9.83	165	18561	6.542	ng	# 22
70) Phenanthrene	11.35	178	85063	6.219	ng	96
74) Fluoranthene	12.54	202	79388	5.555	ng	97
76) Benzidine	12.90	184	641	Below Cal		# 66
77) Pyrene	12.77	202	71797	4.697	ng	99
80) Benzo(a)anthracene	14.00	228	31318	2.542	ng	95
82) Chrysene	14.04	228	32319	2.554	ng	99
83) Bis(2-ethylhexyl)phthalate	13.97	149	166367	17.961	ng	# 99
87) Benzo(b)fluoranthene	15.13	252	36934	3.591	ng	# 97
88) Benzo(k)fluoranthene	15.13	252	36934	3.803	ng	97
89) Benzo(a)pyrene	15.50	252	18485	2.009	ng	# 92

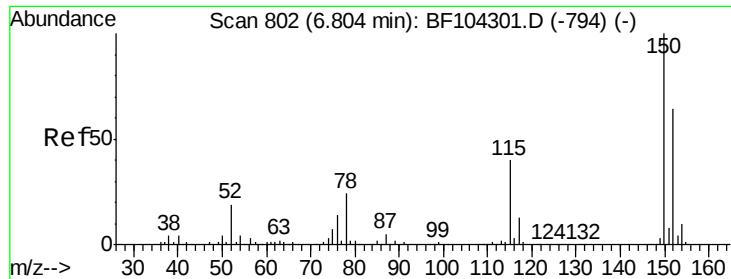
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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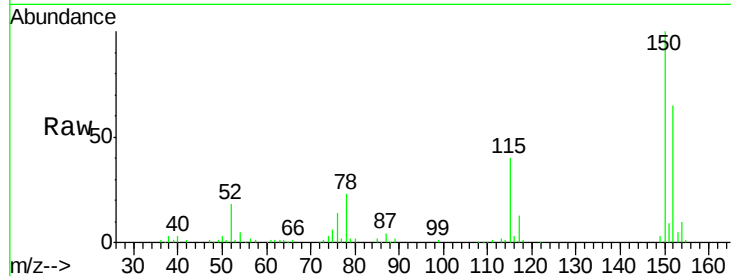


#1

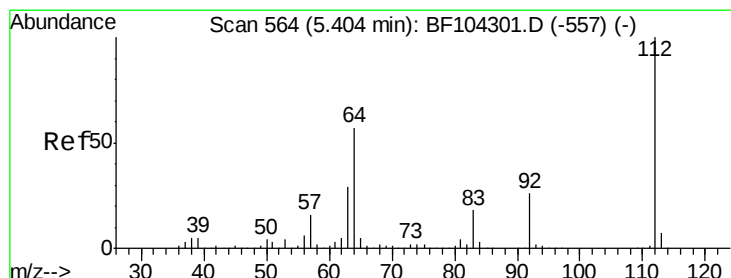
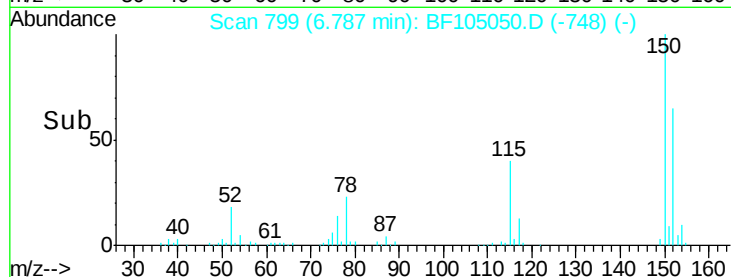
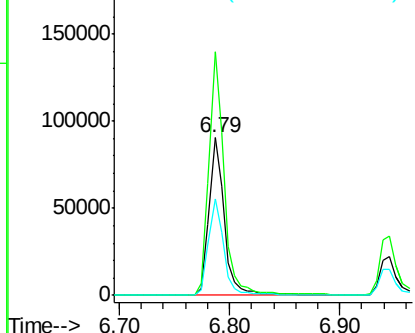
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF105050.D
 Acq: 3 May 2018 00:43

Instrument :
 BNA_F
 ClientSampleId :
 AMENDED-COMPOSITE-P5-WCDL

Tgt Ion:152 Resp: 84528
 Ion Ratio Lower Upper
 152 100
 150 154.8 124.6 186.8
 115 61.4 50.1 75.1



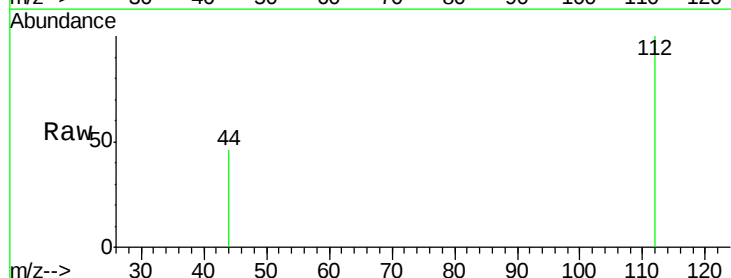
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



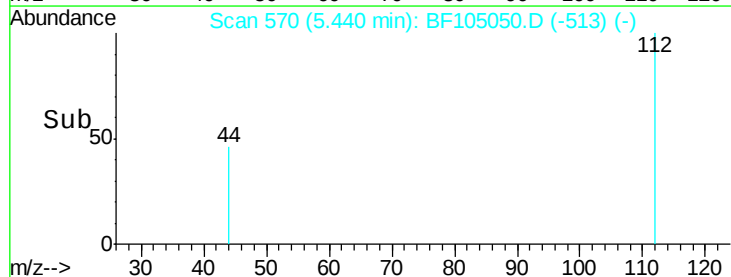
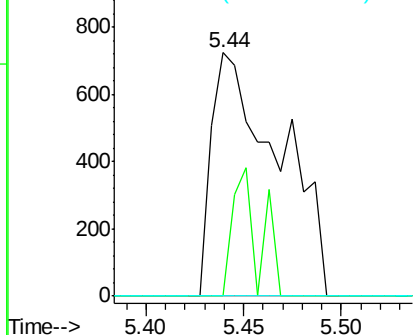
#5

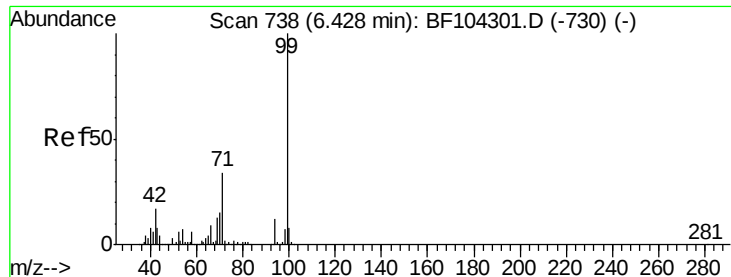
2-Fluorophenol
 Concen: 0.313 ng
 RT: 5.44 min Scan# 570
 Delta R.T. 0.04 min
 Lab File: BF105050.D
 Acq: 3 May 2018 00:43

Tgt Ion:112 Resp: 1733
 Ion Ratio Lower Upper
 112 100
 64 0.0 47.9 71.9#
 63 0.0 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: 3.851 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF105050.D

Acq: 3 May 2018 00:43

Instrument :

BNA_F

ClientSampleId :

AMENDED-COMPOSITE-P5-WCDL

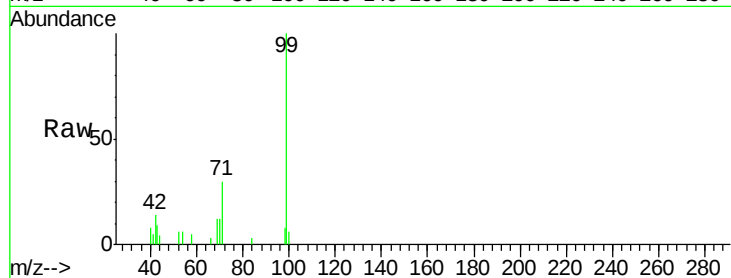
Tgt Ion: 99 Resp: 26158

Ion Ratio Lower Upper

99 100

42 14.0 14.5 21.7#

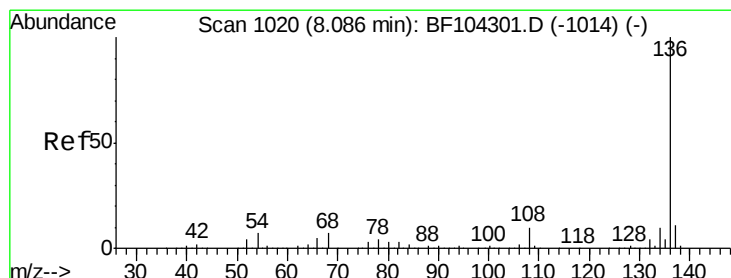
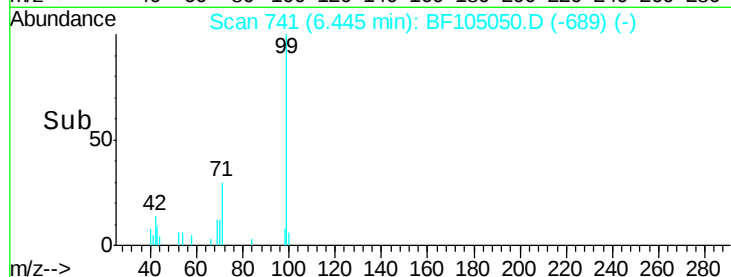
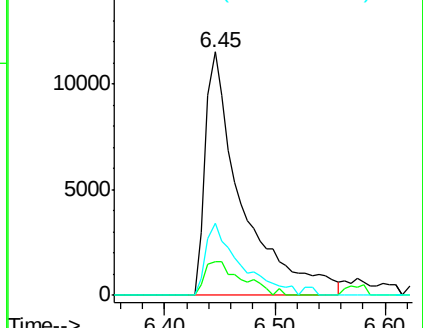
71 29.9 25.4 38.0



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: BF105050.D

Acq: 3 May 2018 00:43

Tgt Ion: 136 Resp: 340931

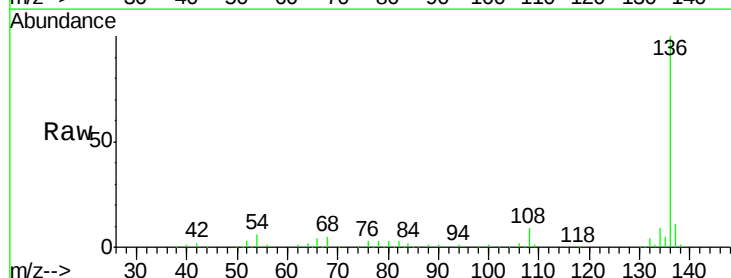
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 5.8 6.6 9.8#

68 5.1 5.0 7.4

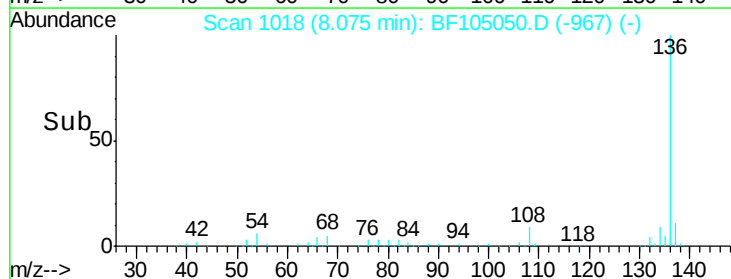
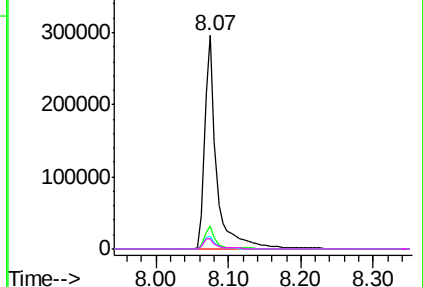


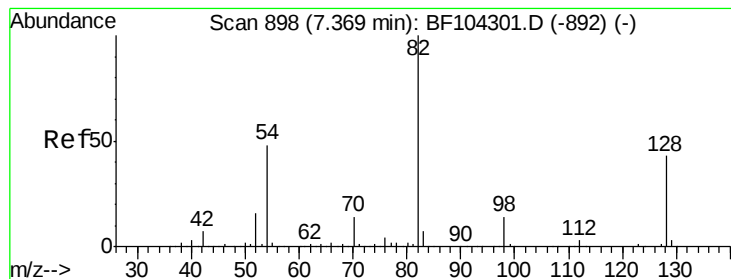
Abundance Ion 136.00 (135.70 to 136.70): E

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: 6.885 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF105050.D

Acq: 3 May 2018 00:43

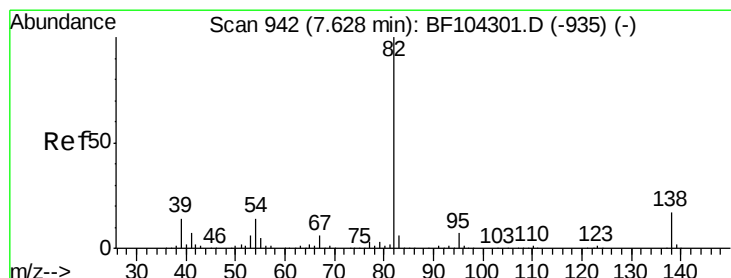
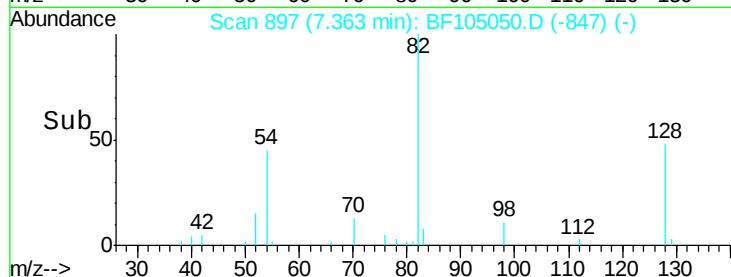
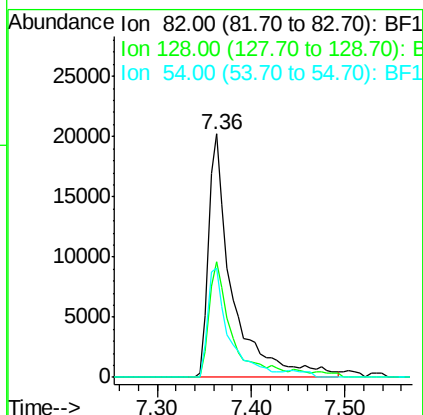
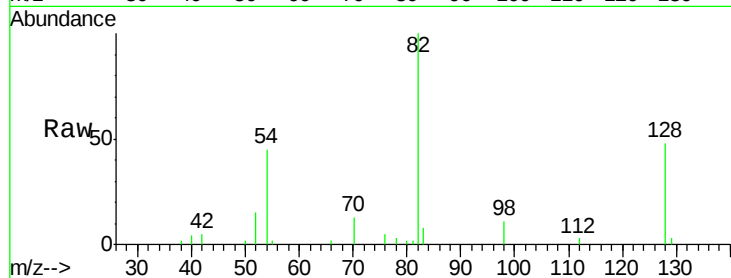
Instrument :

BNA_F

ClientSampleId :

AMENDED-COMPOSITE-P5-WCDL

Tgt Ion:	82	Resp:	35949
Ion	Ratio	Lower	Upper
82	100		
128	47.6	36.1	54.1
54	44.8	41.4	62.2



#25

Isophorone

Concen: 3.256 ng

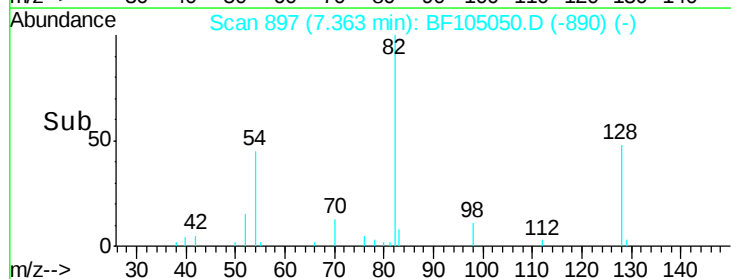
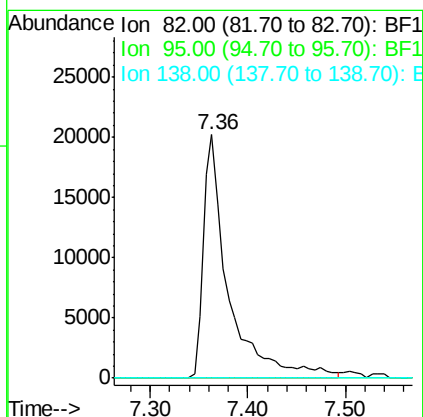
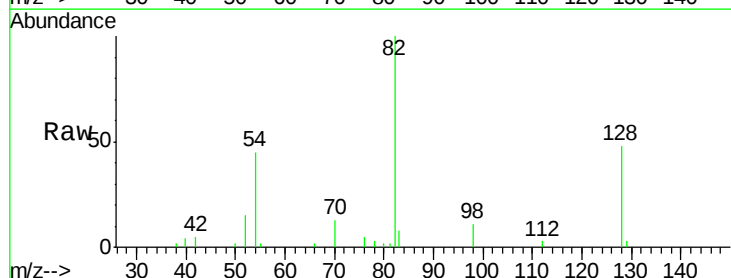
RT: 7.36 min Scan# 897

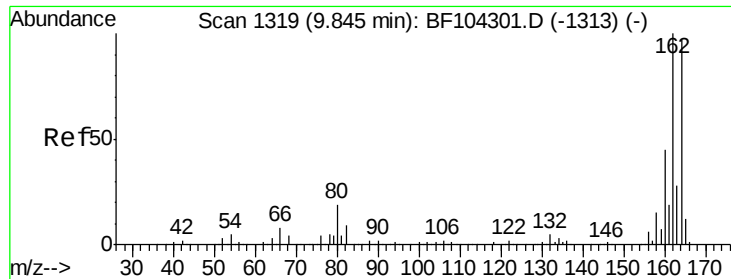
Delta R.T. -0.26 min

Lab File: BF105050.D

Acq: 3 May 2018 00:43

Tgt Ion:	82	Resp:	35948
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

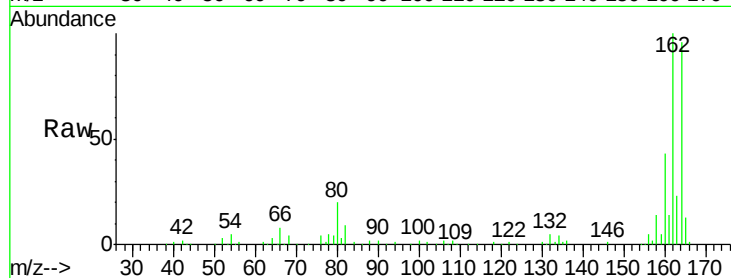




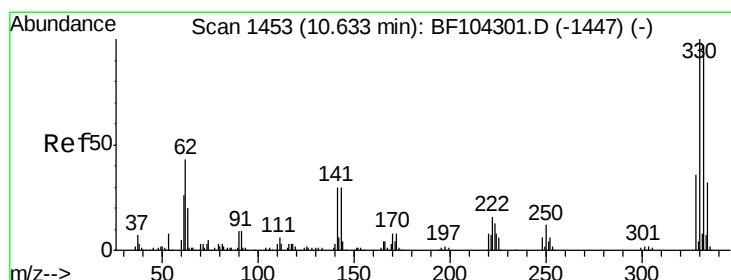
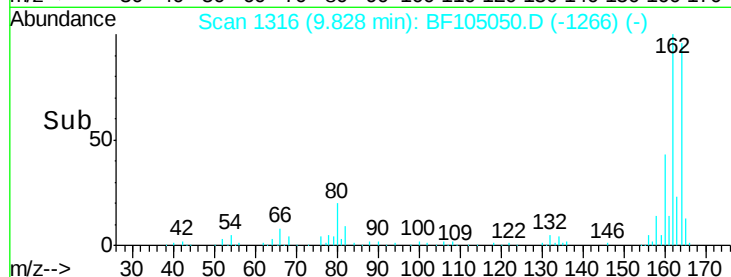
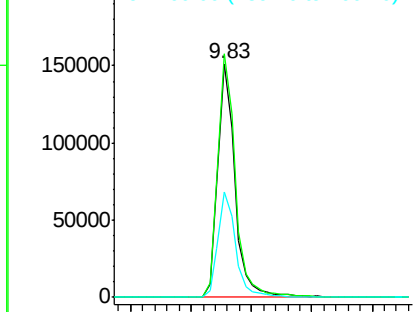
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF105050.D
 Acq: 3 May 2018 00:43

Instrument :
 BNA_F
 ClientSampleId :
 AMENDED-COMPOSITE-P5-WCDL

Tgt Ion:164 Resp: 148236
 Ion Ratio Lower Upper
 164 100
 162 104.3 86.1 129.1
 160 45.0 38.3 57.5

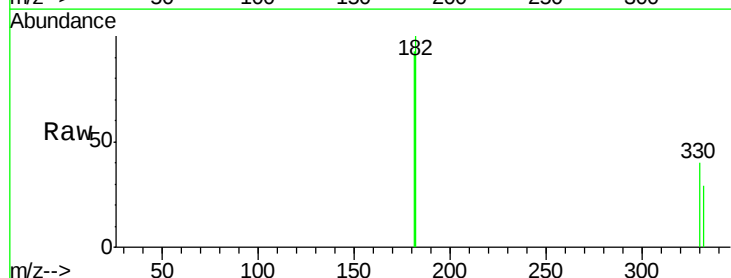


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

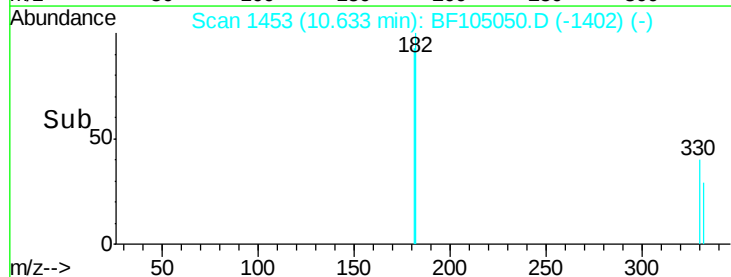
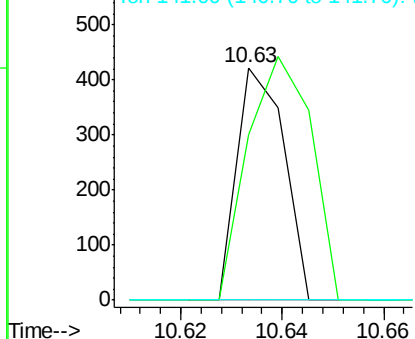


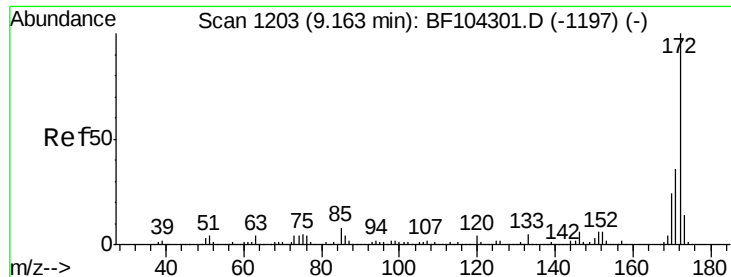
#41
 2,4,6-Tribromophenol
 Concen: 0.177 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.00 min
 Lab File: BF105050.D
 Acq: 3 May 2018 00:43

Tgt Ion:330 Resp: 272
 Ion Ratio Lower Upper
 330 100
 332 141.2 77.0 115.6#
 141 0.0 29.9 44.9#



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

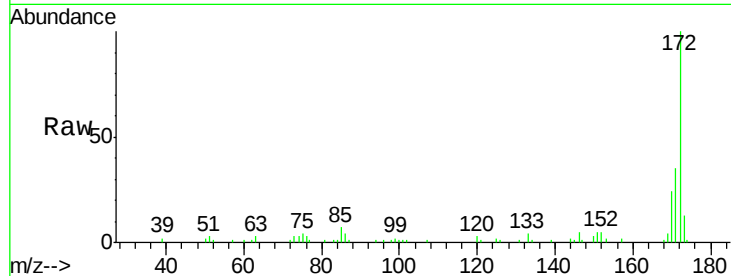




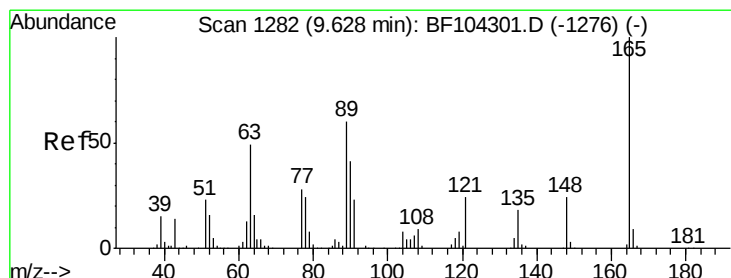
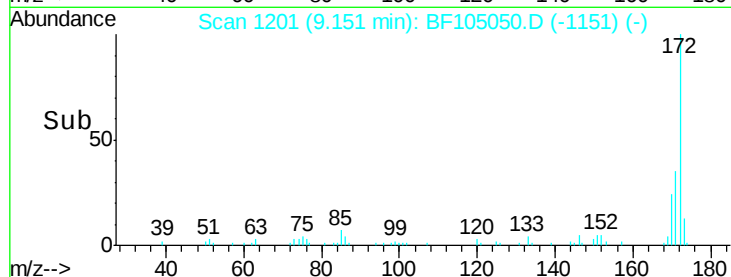
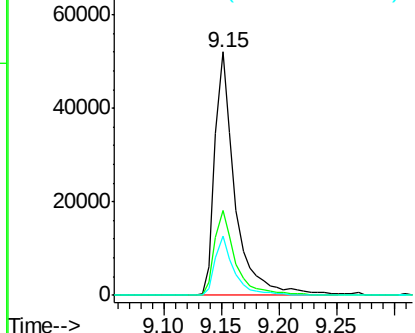
#44
 2-Fluorobiphenyl
 Concen: 6.762 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF105050.D
 Acq: 3 May 2018 00:43

Instrument :
 BNA_F
 ClientSampleId :
 AMENDED-COMPOSITE-P5-WCDL

Tgt Ion:172 Resp: 63454
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.7 44.5
 170 24.1 19.6 29.4

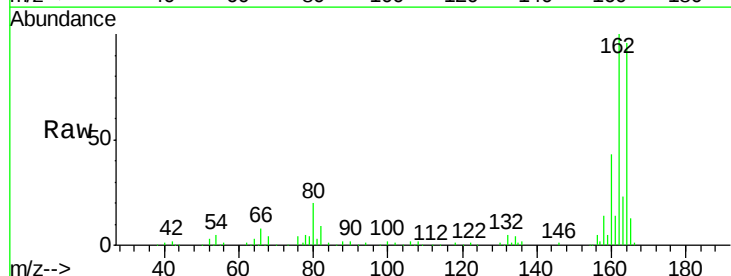


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

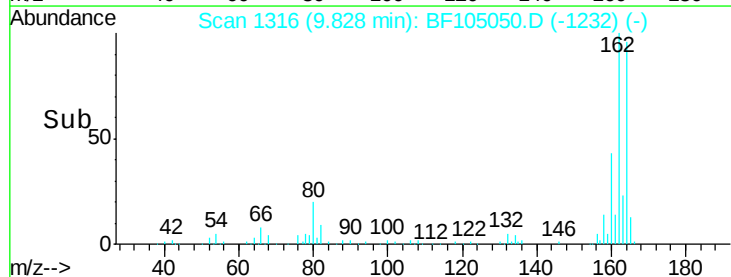
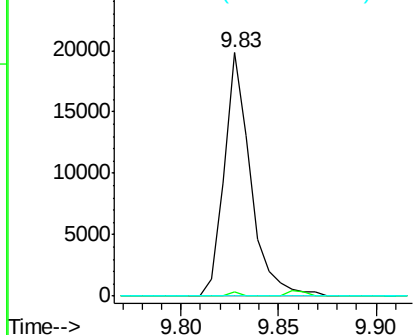


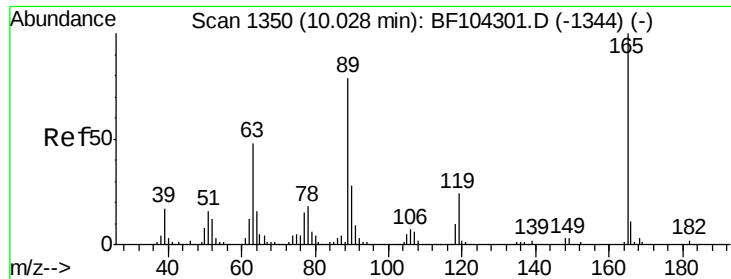
#50
 2,6-Dinitrotoluene
 Concen: 8.581 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.19 min
 Lab File: BF105050.D
 Acq: 3 May 2018 00:43

Tgt Ion:165 Resp: 18561
 Ion Ratio Lower Upper
 165 100
 63 1.5 44.7 67.1#
 89 0.0 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

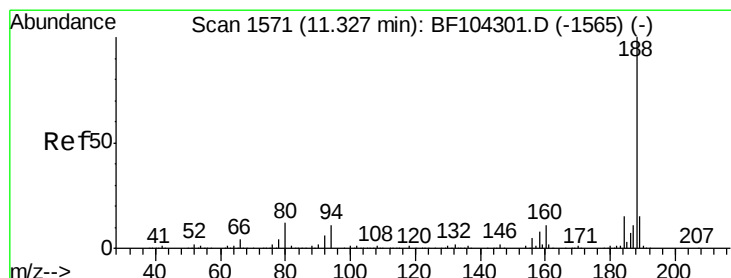
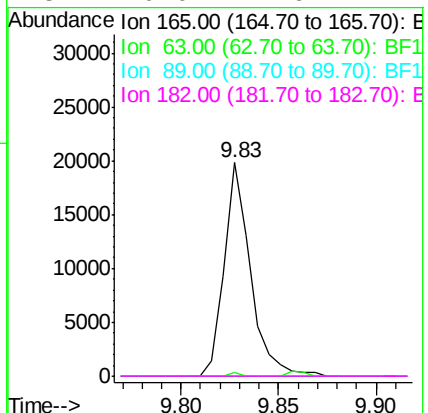
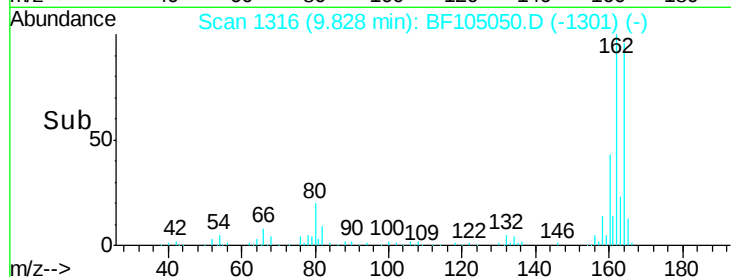
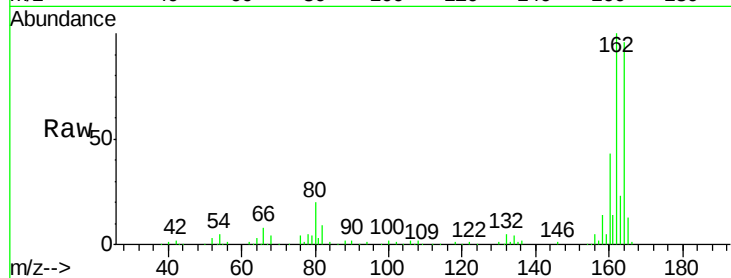




#56
 2,4-Dinitrotoluene
 Concen: 6.542 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF105050.D
 Acq: 3 May 2018 00:43

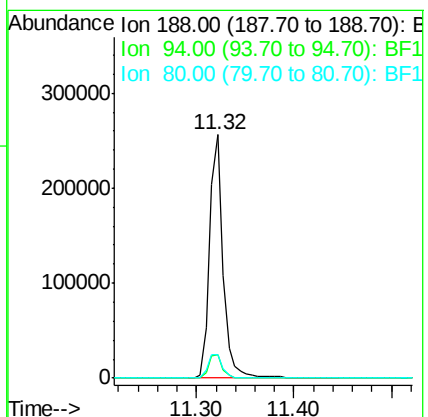
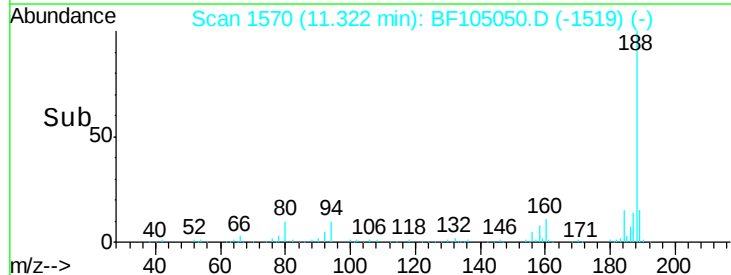
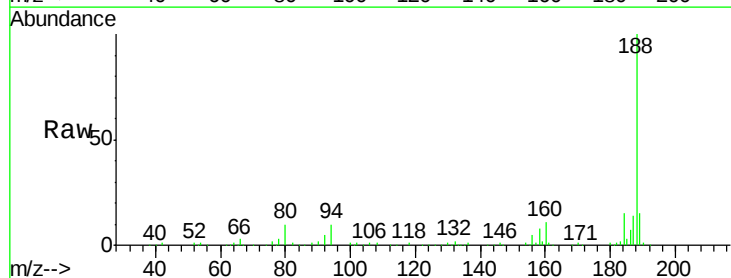
Instrument :
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 AMENDED-COMPOSITE-P5-WCDL

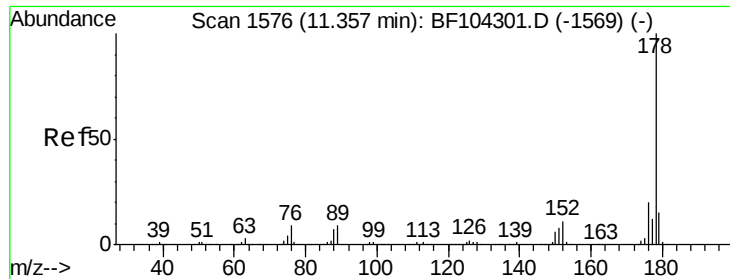
Tgt Ion:	165	Resp:	18561
Ion Ratio	Lower	Upper	
165	100		
63	1.5	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF105050.D
 Acq: 3 May 2018 00:43

Tgt Ion:	188	Resp:	245606
Ion Ratio	Lower	Upper	
188	100		
94	9.5	8.5	12.7
80	9.7	9.2	13.8

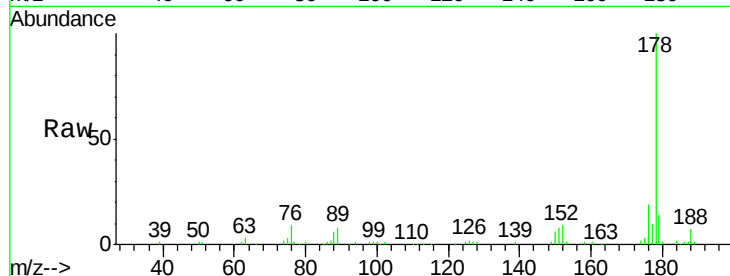




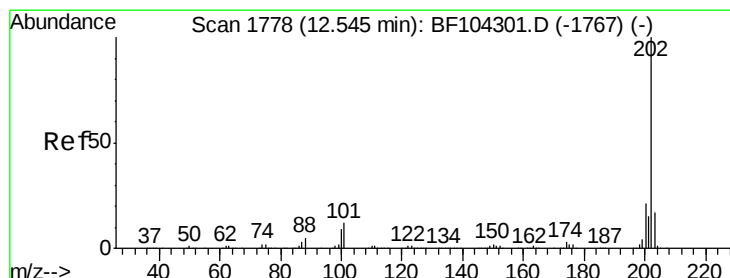
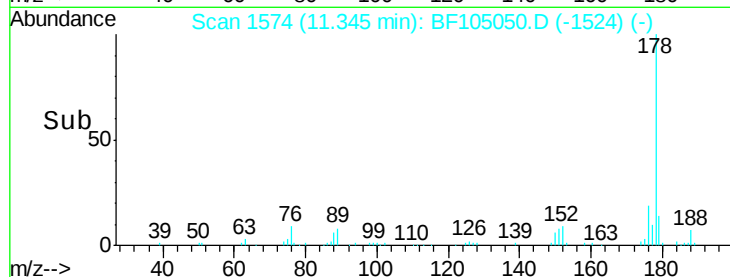
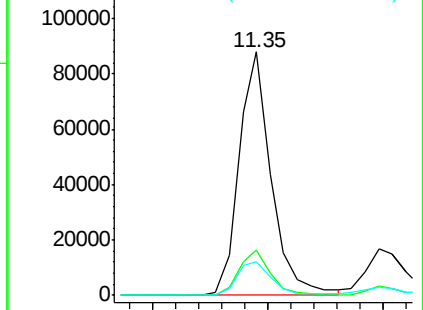
#70
Phenanthrene
Concen: 6.219 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF105050.D
Acq: 3 May 2018 00:43

Instrument :
BNA_F
ClientSampleId :
AMENDED-COMPOSITE-P5-WCDL

Tgt Ion:178 Resp: 85063
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 13.7 13.0 19.6

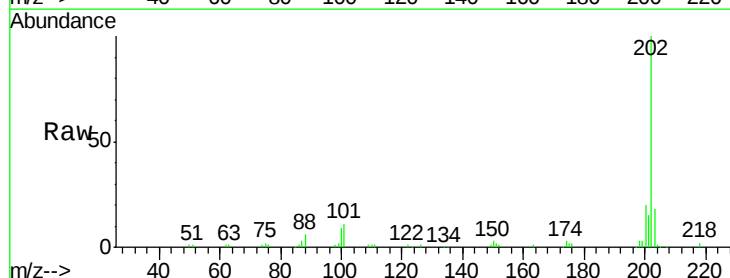


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

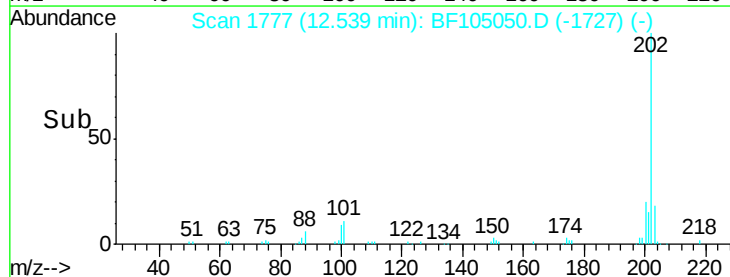
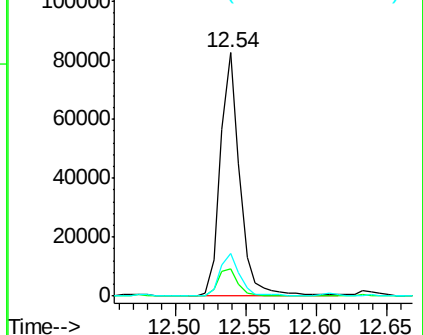


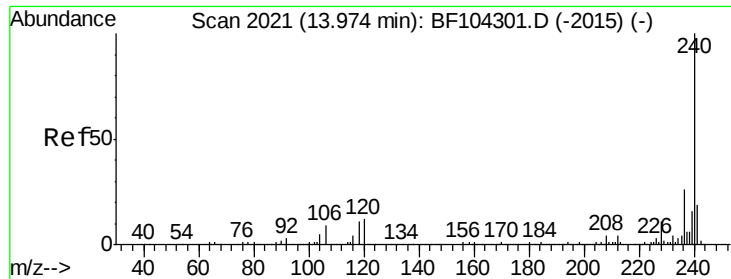
#74
Fluoranthene
Concen: 5.555 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BF105050.D
Acq: 3 May 2018 00:43

Tgt Ion:202 Resp: 79388
Ion Ratio Lower Upper
202 100
101 11.4 0.0 34.1
203 17.7 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

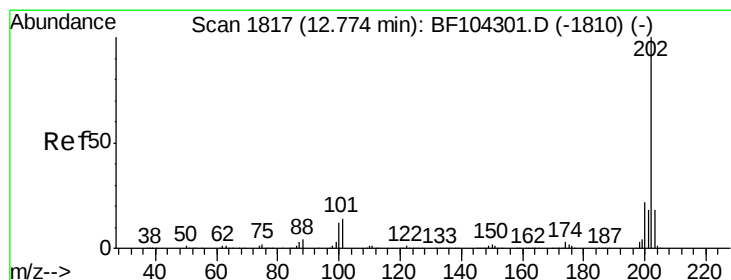
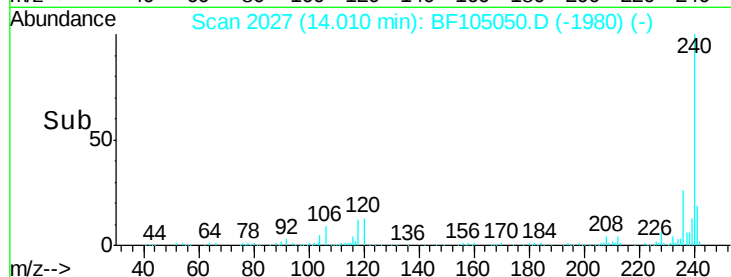
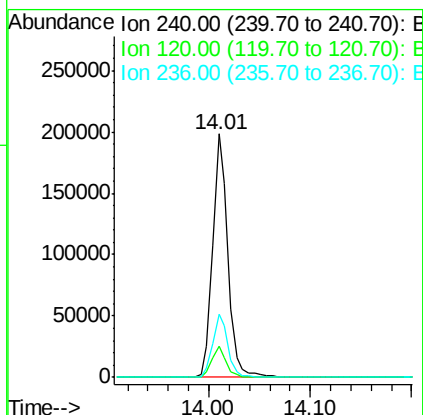
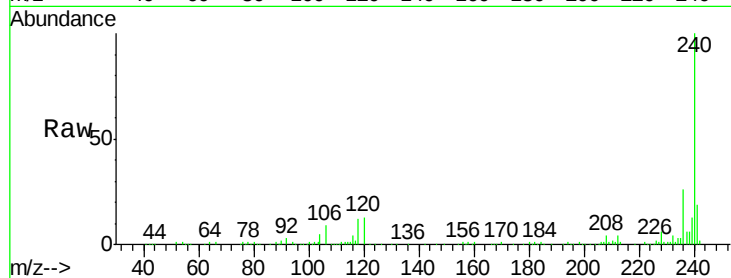




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.02 min
Lab File: BF105050.D
Acq: 3 May 2018 00:43

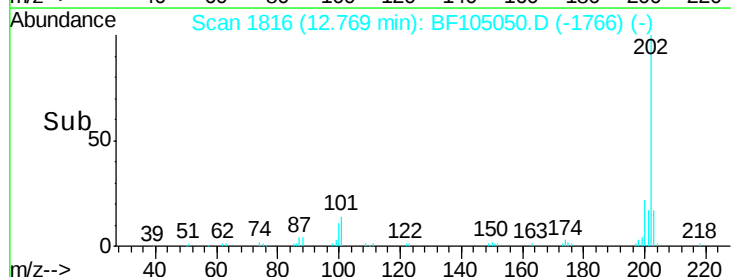
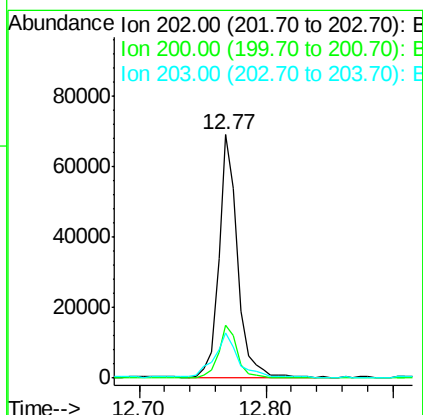
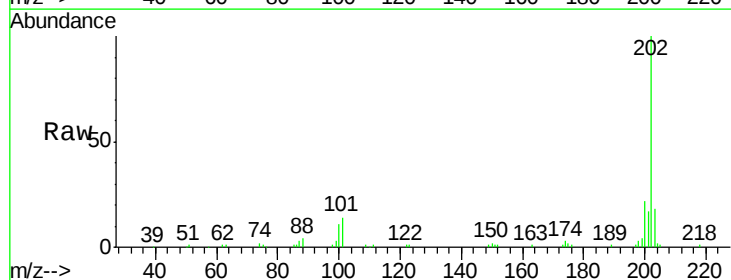
Instrument :
BNA_F
ClientSampleId :
AMENDED-COMPOSITE-P5-WCDL

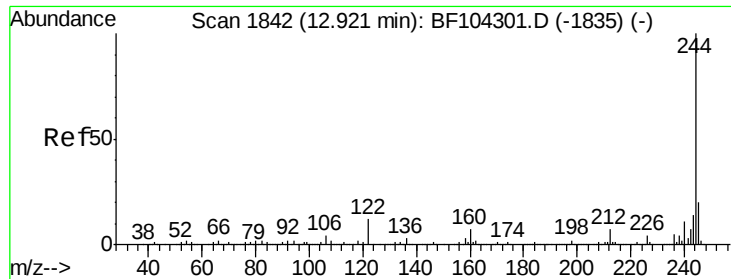
Tgt Ion: 240 Resp: 206214
Ion Ratio Lower Upper
240 100
120 13.0 9.5 14.3
236 25.9 20.7 31.1



#77
Pyrene
Concen: 4.697 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF105050.D
Acq: 3 May 2018 00:43

Tgt Ion: 202 Resp: 71797
Ion Ratio Lower Upper
202 100
200 21.9 17.4 26.2
203 18.4 14.3 21.5

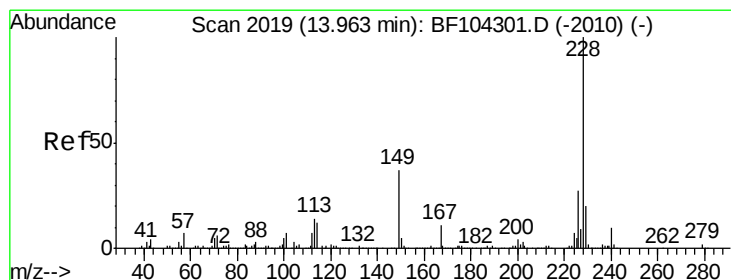
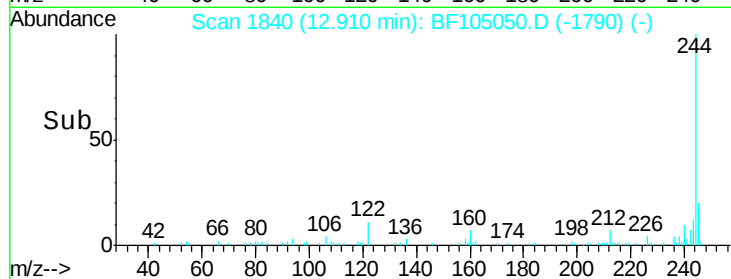
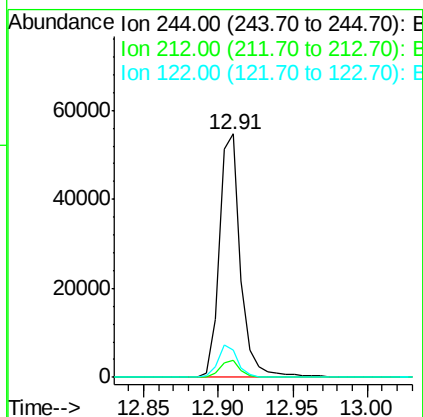
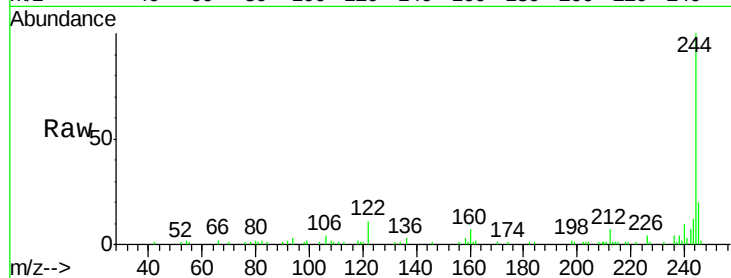




#78
 Terphenyl-d14
 Concen: 6.015 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF105050.D
 Acq: 3 May 2018 00:43

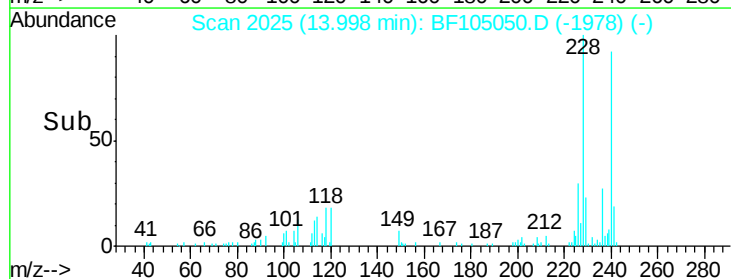
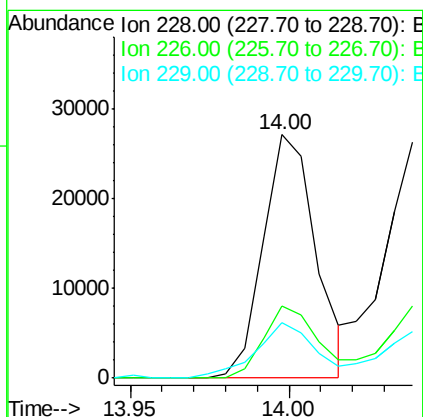
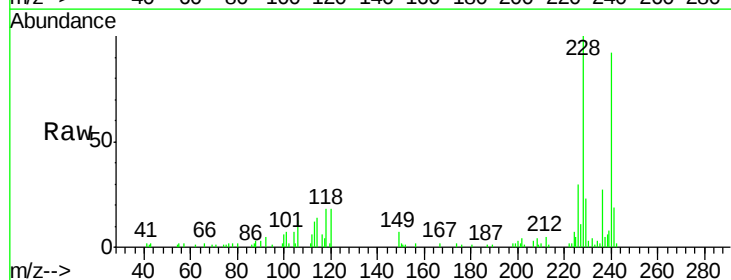
Instrument :
 BNA_F
 ClientSampleId :
 AMENDED-COMPOSITE-P5-WCDL

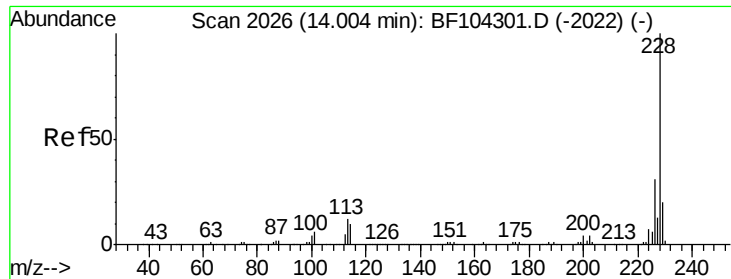
Tgt Ion: 244 Resp: 54411
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 11.1 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 2.542 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.02 min
 Lab File: BF105050.D
 Acq: 3 May 2018 00:43

Tgt Ion: 228 Resp: 31318
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.6 33.8
 229 23.0 15.8 23.6

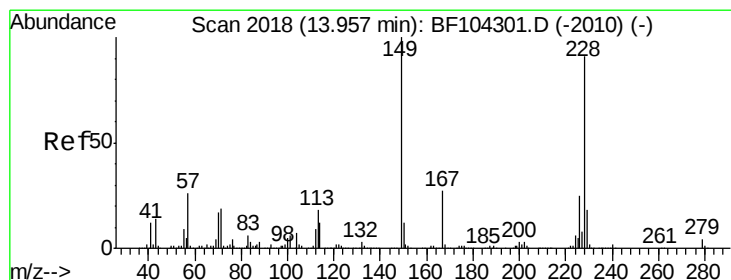
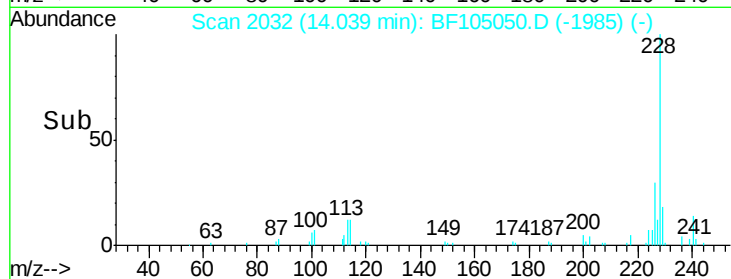
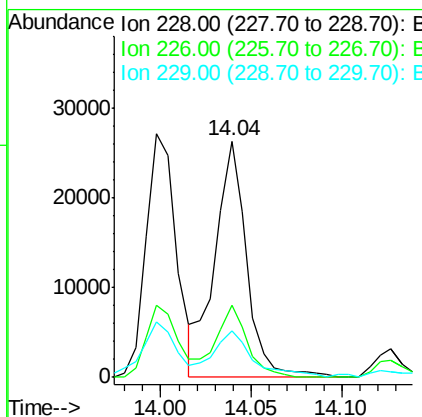
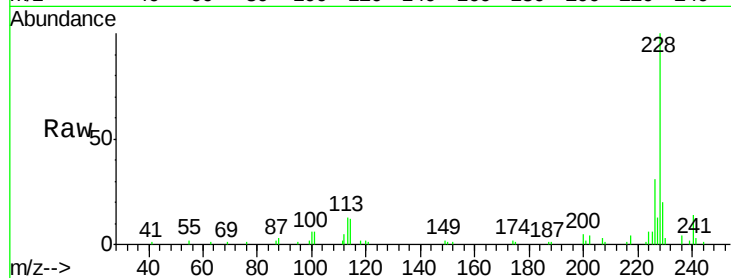




#82
Chrysene
Concen: 2.554 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.02 min
Lab File: BF105050.D
Acq: 3 May 2018 00:43

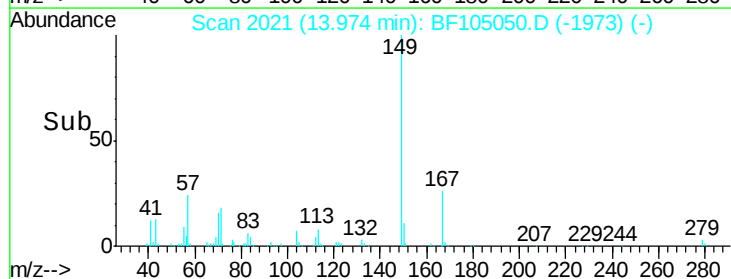
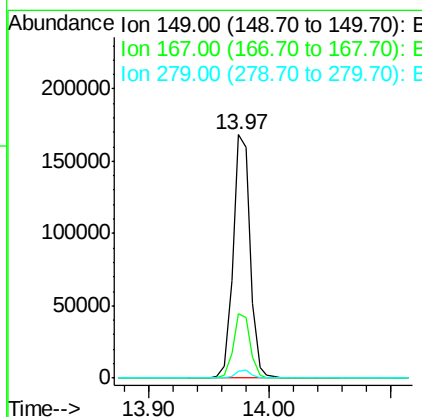
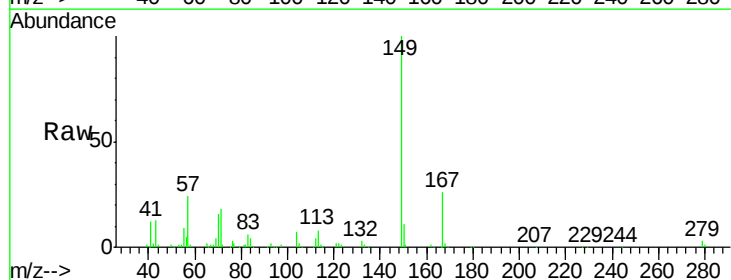
Instrument :
BNA_F
ClientSampleId :
AMENDED-COMPOSITE-P5-WCDL

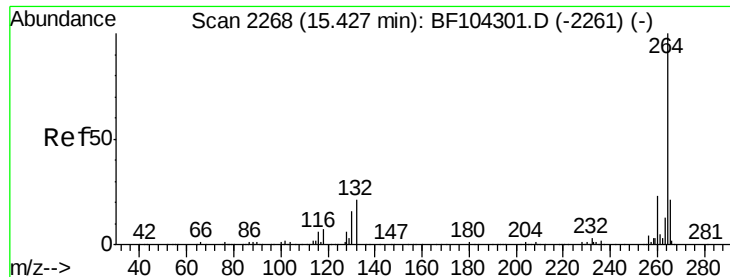
Tgt Ion: 228 Resp: 32319
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.6
229 19.8 16.2 24.4



#83
Bis(2-ethylhexyl)phthalate
Concen: 17.961 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF105050.D
Acq: 3 May 2018 00:43

Tgt Ion: 149 Resp: 166367
Ion Ratio Lower Upper
149 100
167 26.5 21.3 31.9
279 2.6 3.0 4.4#



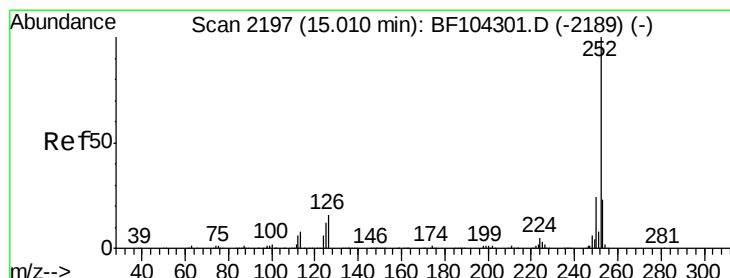
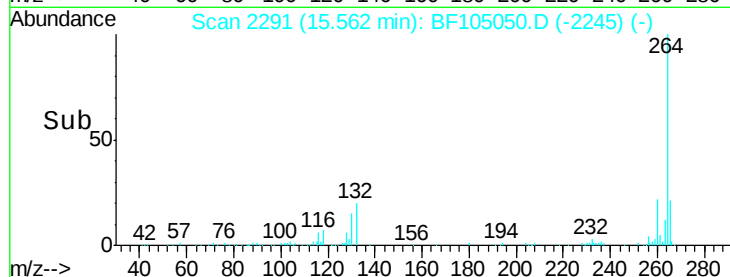
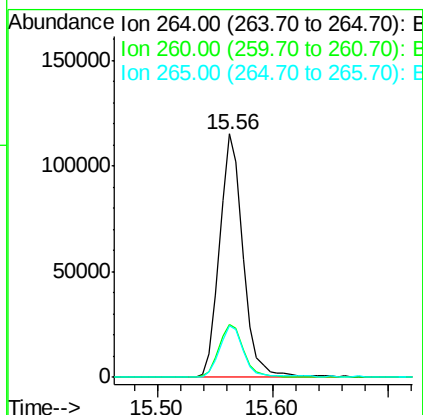
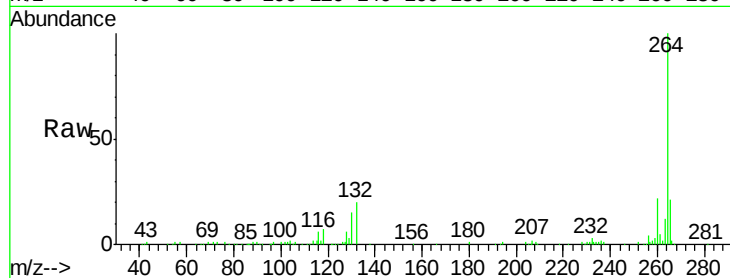


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.03 min
Lab File: BF105050.D
Acq: 3 May 2018 00:43

Instrument :
BNA_F
ClientSampleId :
AMENDED-COMPOSITE-P5-WCDL

Tgt Ion: 264 Resp: 162856

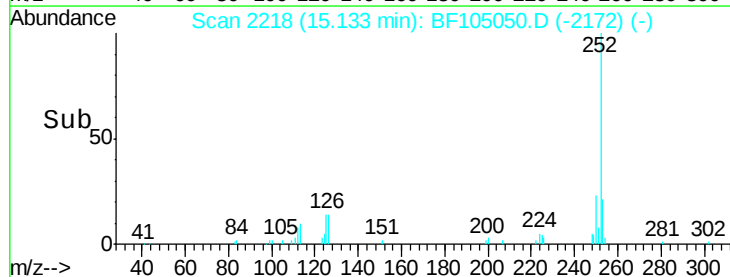
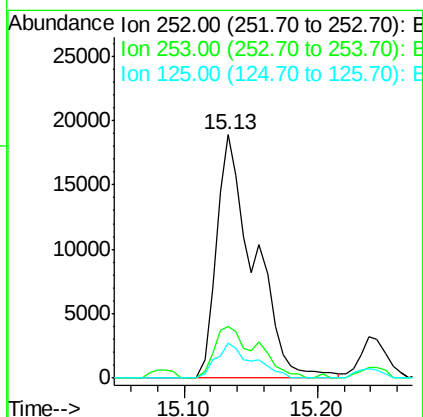
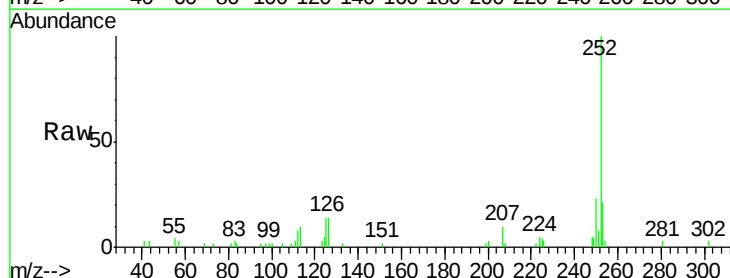
Ion	Ratio	Lower	Upper
264	100		
260	21.8	19.2	28.8
265	21.2	17.5	26.3

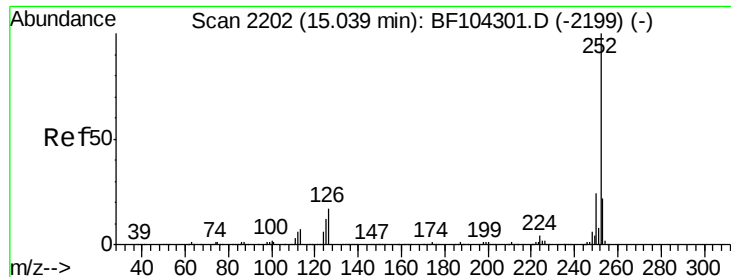


#87
Benzo(b)fluoranthene
Concen: 3.591 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF105050.D
Acq: 3 May 2018 00:43

Tgt Ion: 252 Resp: 36934

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.0	25.6
125	14.2	9.0	13.6

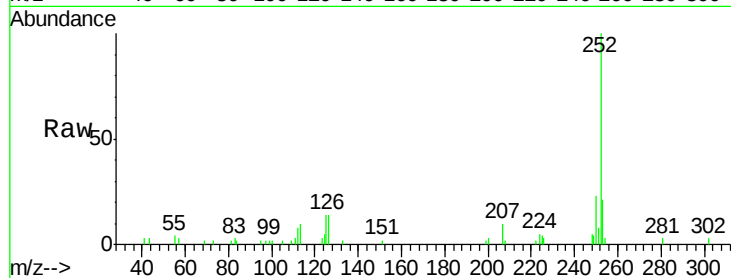




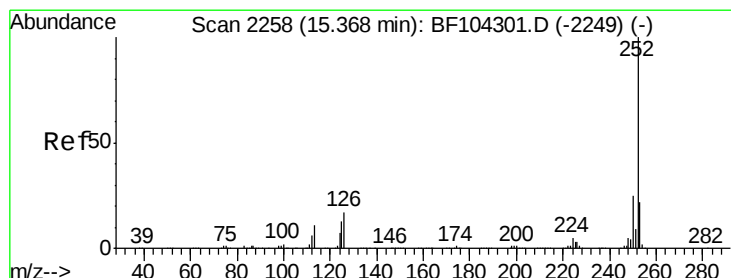
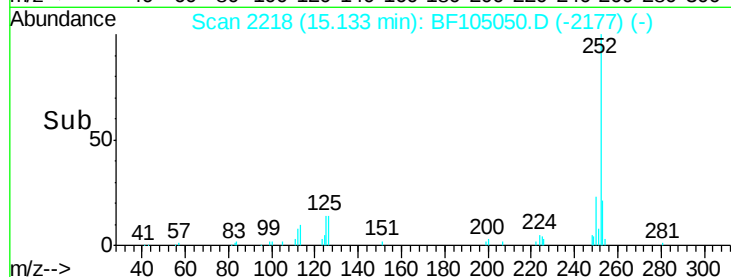
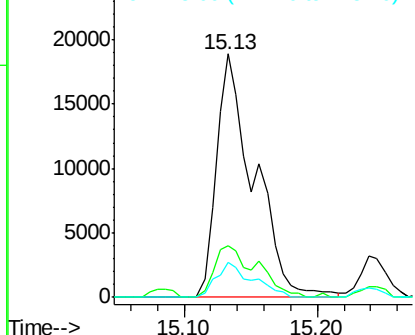
#88
Benzo(k)fluoranthene
Concen: 3.803 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.06 min
Lab File: BF105050.D
Acq: 3 May 2018 00:43

Instrument :
BNA_F
ClientSampleId :
AMENDED-COMPOSITE-P5-WCDL

Tgt Ion:252 Resp: 36934
Ion Ratio Lower Upper
252 100
253 21.3 17.9 26.9
125 14.2 10.2 15.2

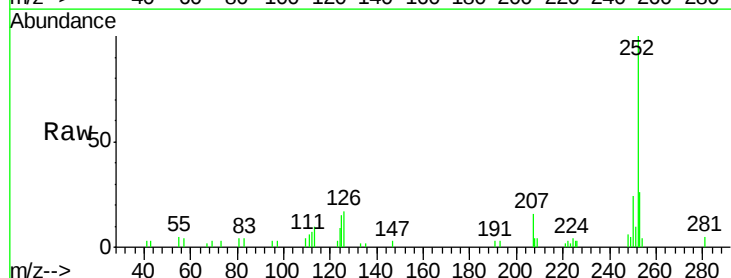


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.009 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.04 min
Lab File: BF105050.D
Acq: 3 May 2018 00:43

Tgt Ion:252 Resp: 18485
Ion Ratio Lower Upper
252 100
253 25.7 17.1 25.7#
125 14.8 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

