

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050218\
 Data File : BF105049.D
 Acq On : 3 May 2018 00:17
 Operator : JU/SJ
 Sample : J2652-09DL 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-P4-WCDL

Quant Time: May 03 04:29:23 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	81065	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	327219	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	145462	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	236217	20.00	ng	0.00
75) Chrysene-d12	14.01	240	200001	20.00	ng	-0.02
86) Perylene-d12	15.56	264	157150	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	43801	8.26	ng	0.00
7) Phenol-d6	6.43	99	53926	8.28	ng	0.00
23) Nitrobenzene-d5	7.36	82	29888	5.96	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	10800	7.16	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	57037	6.19	ng	-0.01
78) Terphenyl-d14	12.90	244	47359	5.40	ng	-0.01

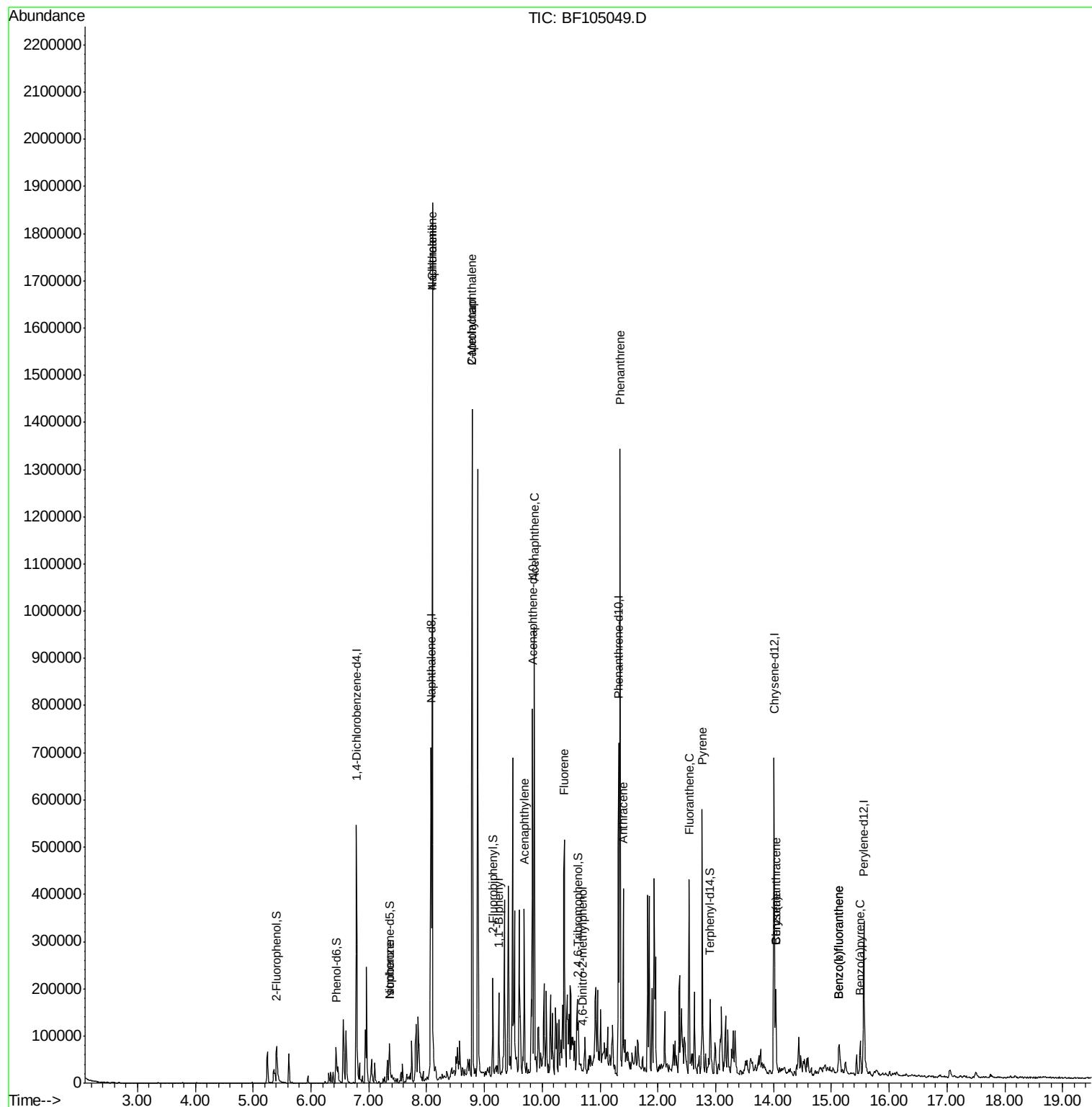
Target Compounds				Qvalue		
9) Benzaldehyde	6.56	77	927	Below Cal		87
25) Isophorone	7.36	82	29887	2.820 ng	#	64
31) Naphthalene	8.10	128	840053	51.557 ng		100
33) 4-Chloroaniline	8.10	127	113792	16.301 ng	#	36
35) Caprolactam	8.79	113	8192	5.263 ng	#	1
37) 2-Methylnaphthalene	8.79	142	376848	35.756 ng		98
45) 1,1'-Biphenyl	9.25	154	60638	4.962 ng		98
48) Acenaphthylene	9.69	152	51625	3.409 ng	#	90
51) Acenaphthene	9.86	154	192003	20.780 ng		100
57) Fluorene	10.38	166	137906	14.714 ng		100
64) 4,6-Dinitro-2-methylphenol	10.70	198	736	7.889 ng	#	58
70) Phenanthrene	11.35	178	468866	35.642 ng		99
71) Anthracene	11.40	178	159225	11.907 ng		99
74) Fluoranthene	12.54	202	141070	10.264 ng		96
76) Benzidine	12.91	184	394	Below Cal	#	66
77) Pyrene	12.77	202	213661	14.412 ng		98
80) Benzo(a)anthracene	14.04	228	69678	5.832 ng		94
82) Chrysene	14.04	228	69678	5.677 ng		97
87) Benzo(b)fluoranthene	15.13	252	46831	4.718 ng	#	95
88) Benzo(k)fluoranthene	15.13	252	46831	4.998 ng		98
89) Benzo(a)pyrene	15.50	252	37541	4.227 ng		97

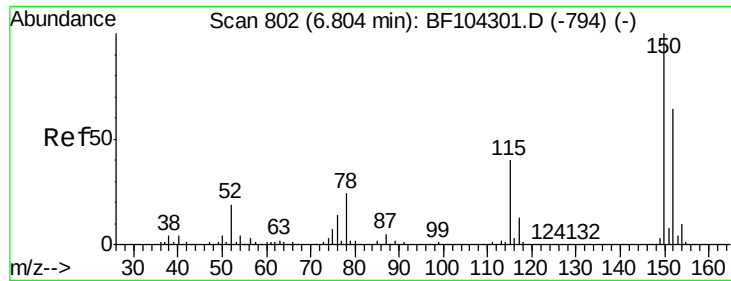
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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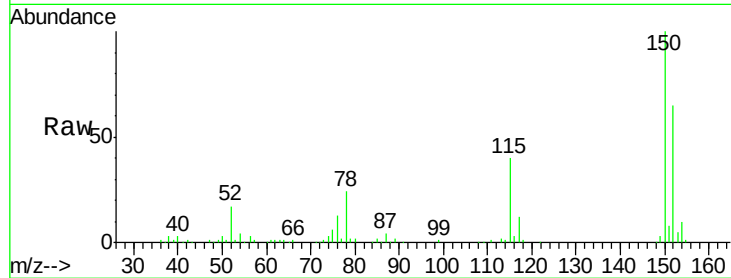


#1

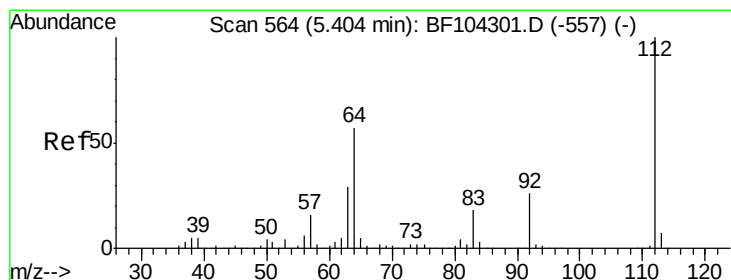
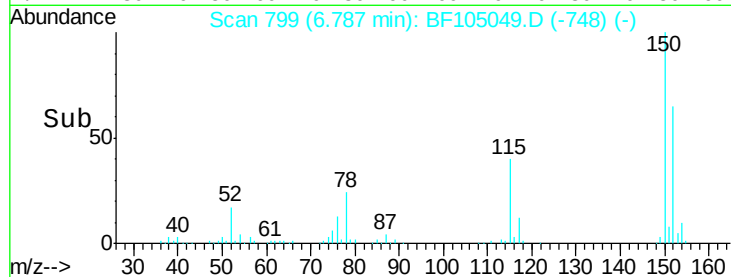
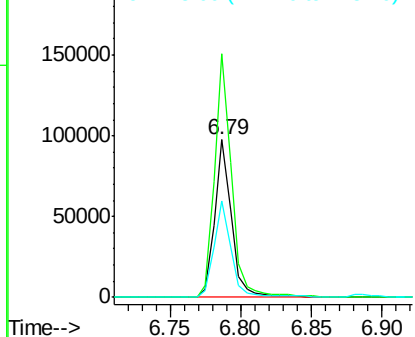
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF105049.D
Acq: 3 May 2018 00:17

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-P4-WCDL

Tgt Ion:152 Resp: 81065
Ion Ratio Lower Upper
152 100
150 154.4 124.6 186.8
115 61.3 50.1 75.1



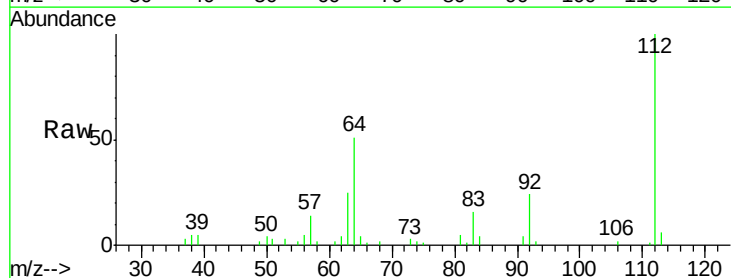
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



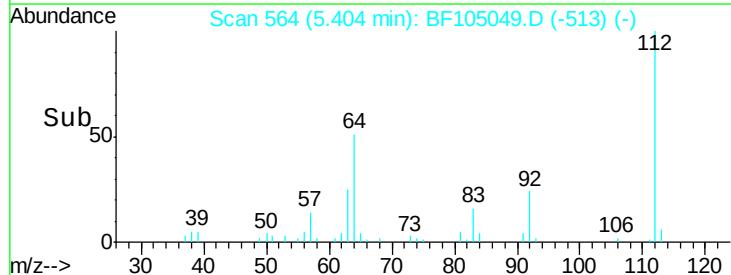
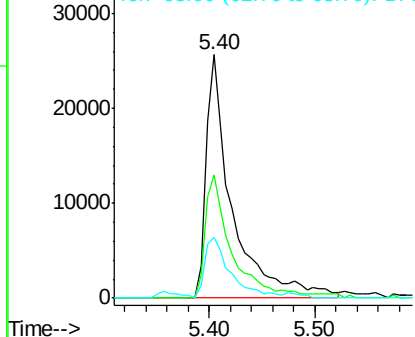
#5

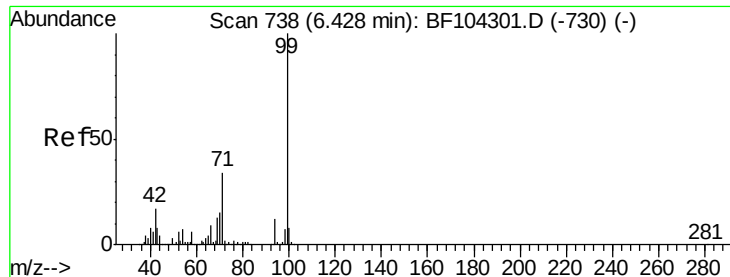
2-Fluorophenol
Concen: 8.262 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF105049.D
Acq: 3 May 2018 00:17

Tgt Ion:112 Resp: 43801
Ion Ratio Lower Upper
112 100
64 50.6 47.9 71.9
63 24.7 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: 8.278 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF105049.D

Acq: 3 May 2018 00:17

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-P4-WCDL

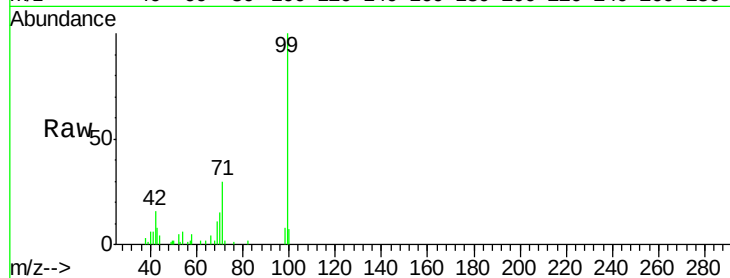
Tgt Ion: 99 Resp: 53926

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

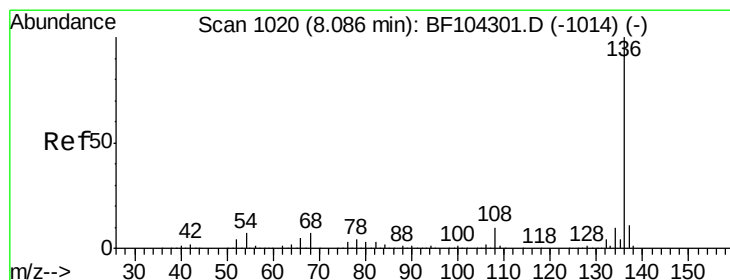
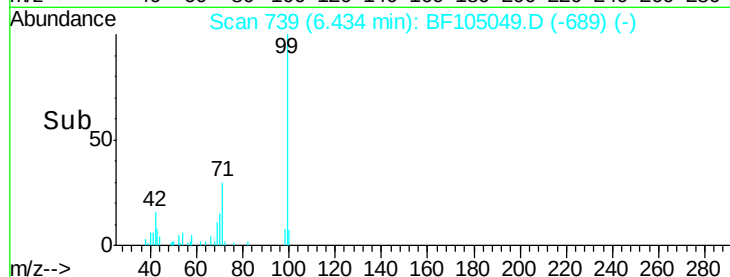
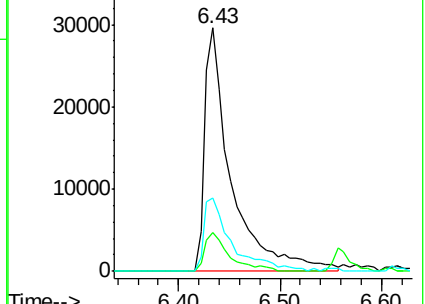
71 30.4 25.4 38.0



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: BF105049.D

Acq: 3 May 2018 00:17

Tgt Ion: 136 Resp: 327219

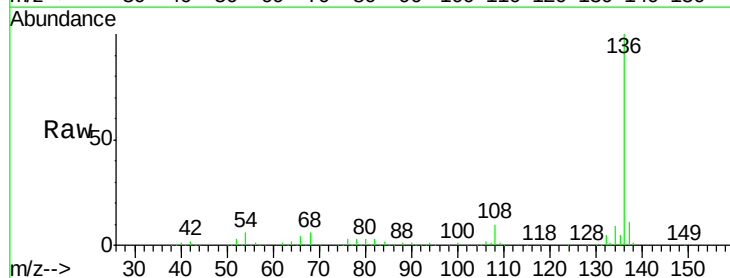
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.0 6.6 9.8#

68 5.7 5.0 7.4

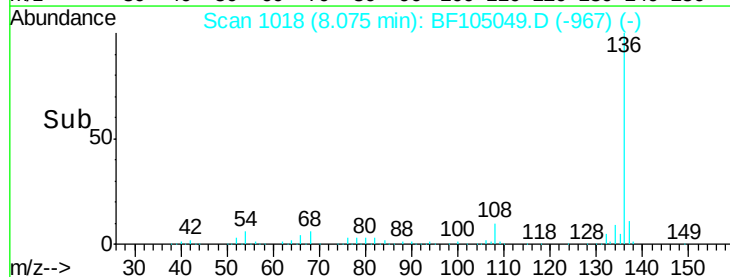
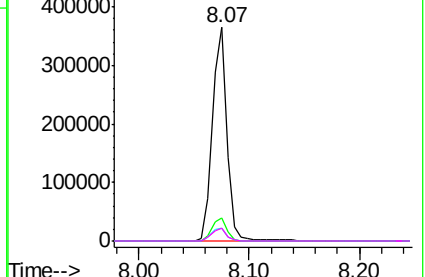


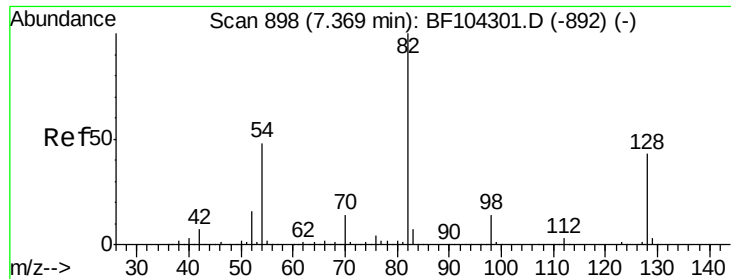
Abundance Ion 136.00 (135.70 to 136.70): E

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

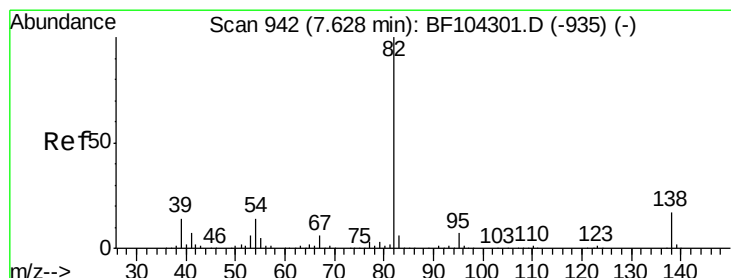
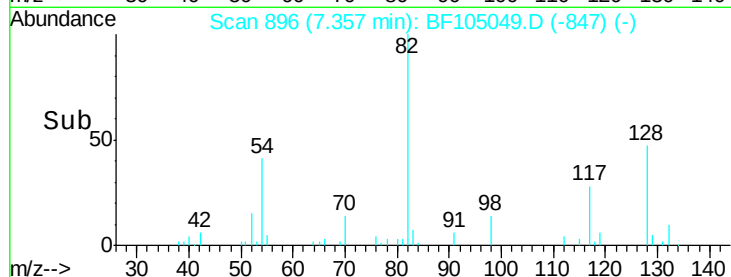
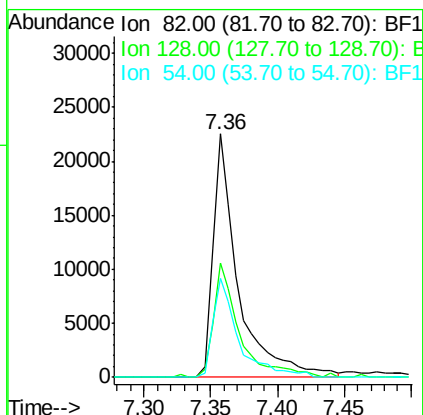
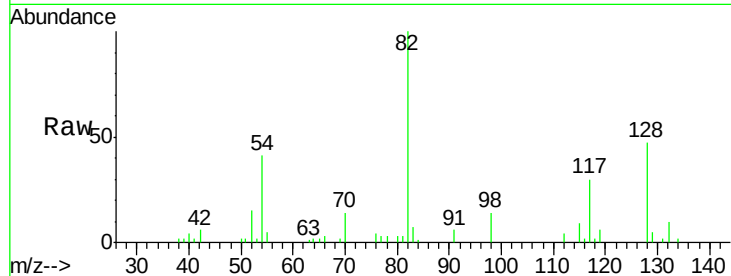




#23
 Nitrobenzene-d5
 Concen: 5.964 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF105049.D
 Acq: 3 May 2018 00:17

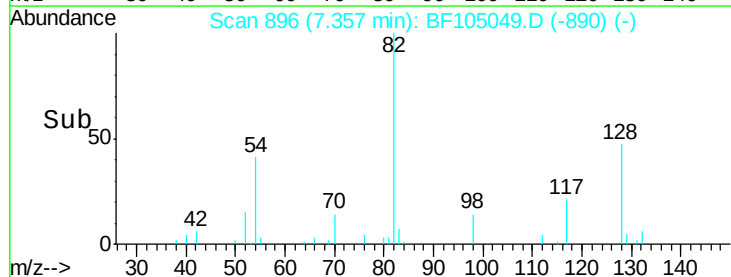
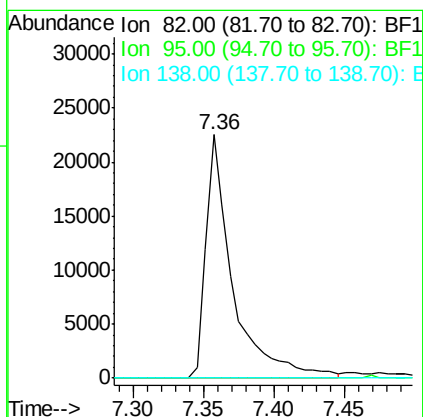
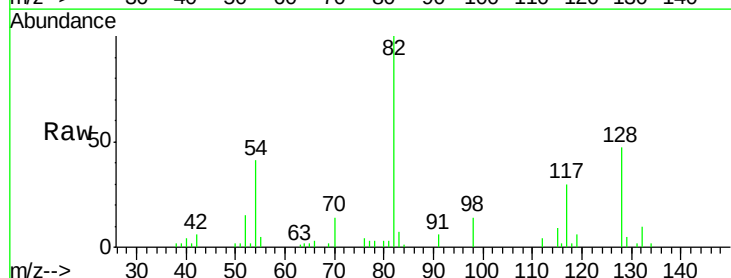
Instrument :
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 COMPOSITE-P4-WCDL

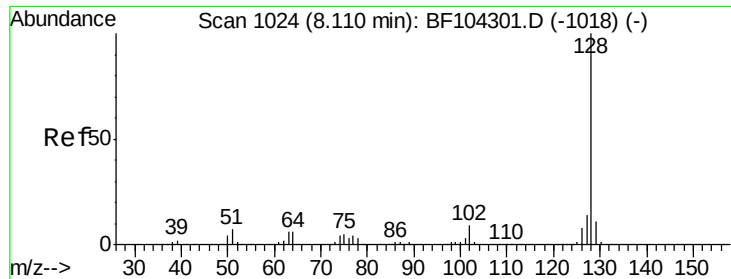
Tgt Ion: 82 Resp: 29888
 Ion Ratio Lower Upper
 82 100
 128 46.8 36.1 54.1
 54 40.7 41.4 62.2#



#25
 Isophorone
 Concen: 2.820 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.26 min
 Lab File: BF105049.D
 Acq: 3 May 2018 00:17

Tgt Ion: 82 Resp: 29887
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#

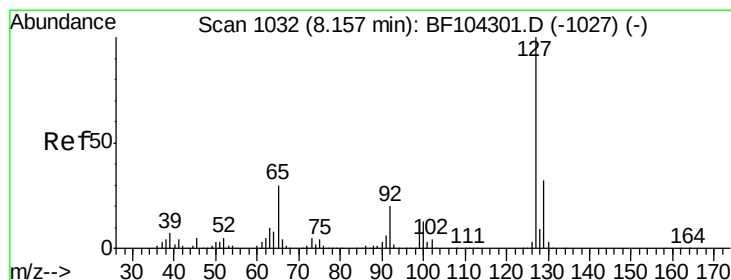
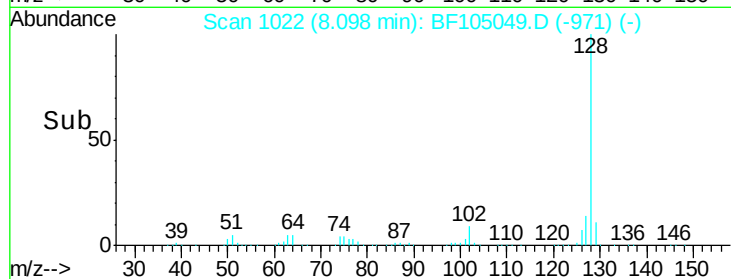
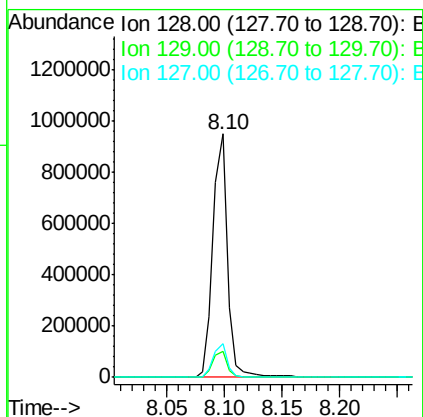
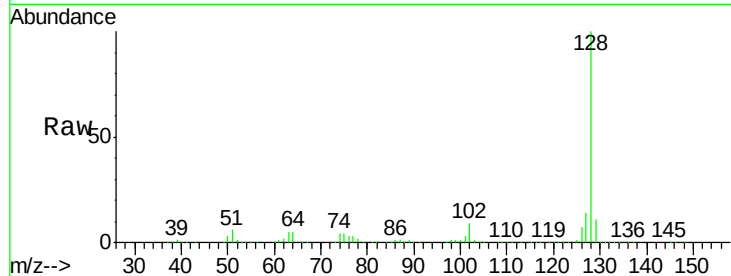




#31
Naphthalene
Concen: 51.557 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF105049.D
Acq: 3 May 2018 00:17

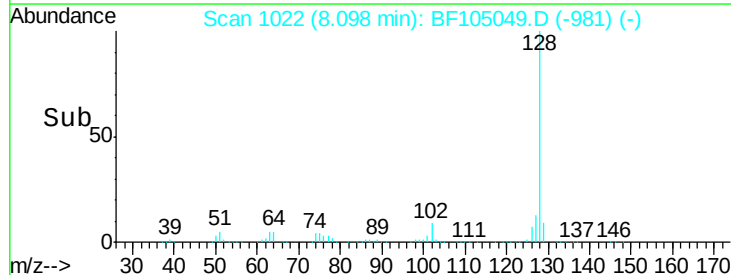
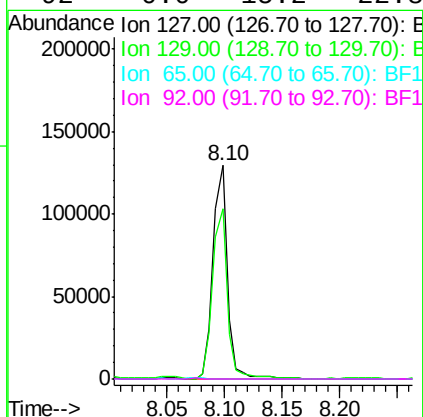
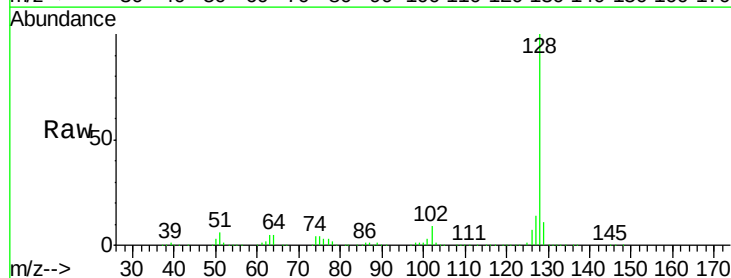
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-P4-WCDL

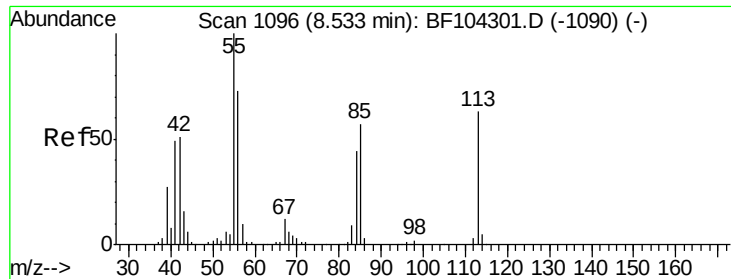
Tgt Ion:128 Resp: 840053
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.7 10.9 16.3



#33
4-Chloroaniline
Concen: 16.301 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.06 min
Lab File: BF105049.D
Acq: 3 May 2018 00:17

Tgt Ion:127 Resp: 113792
Ion Ratio Lower Upper
127 100
129 79.7 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#

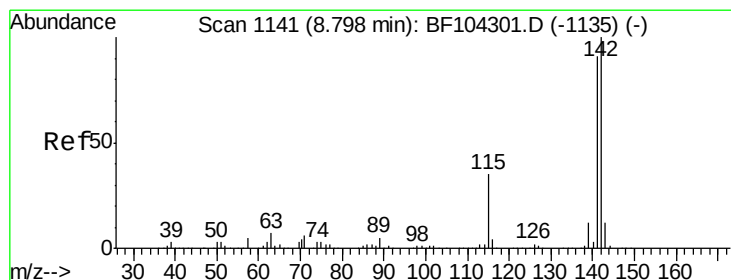
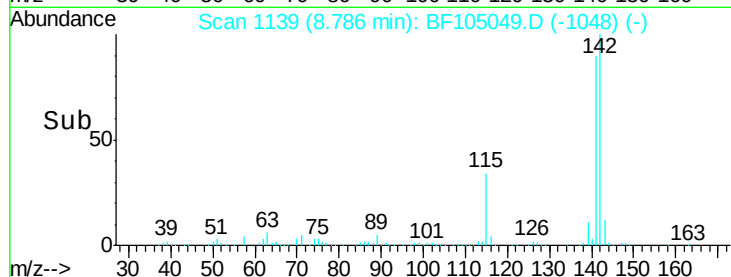
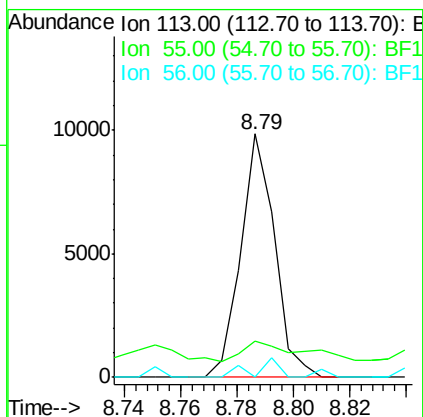
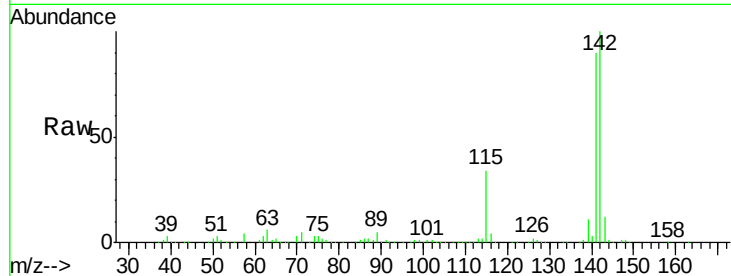




#35
 Caprolactam
 Concen: 5.263 ng
 RT: 8.79 min Scan# 1139
 Delta R.T. 0.24 min
 Lab File: BF105049.D
 Acq: 3 May 2018 00:17

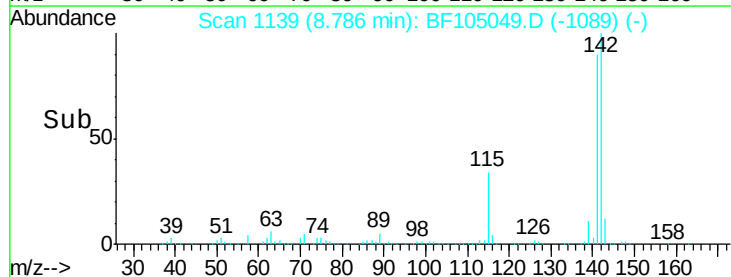
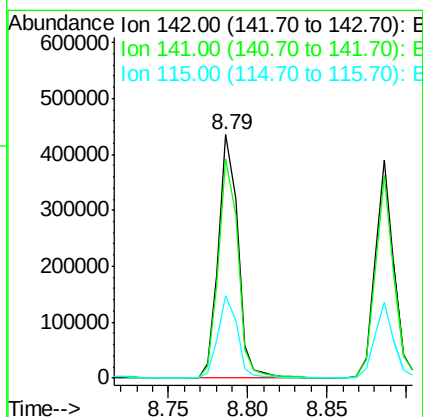
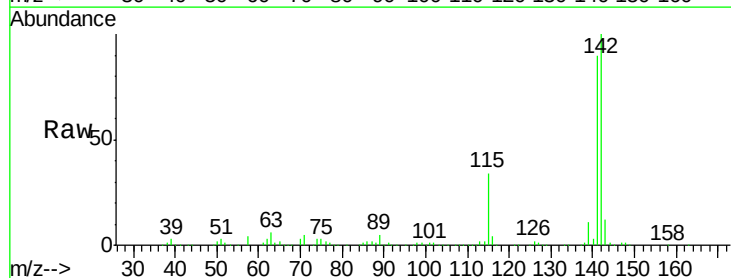
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-P4-WCDL

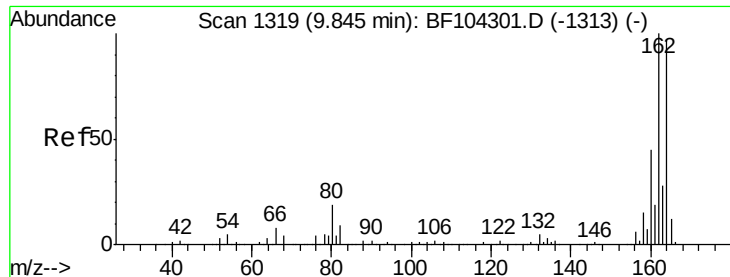
Tgt Ion:113 Resp: 8192
 Ion Ratio Lower Upper
 113 100
 55 14.9 163.3 203.3#
 56 0.0 115.7 155.7#



#37
 2-Methylnaphthalene
 Concen: 35.756 ng
 RT: 8.79 min Scan# 1139
 Delta R.T. -0.01 min
 Lab File: BF105049.D
 Acq: 3 May 2018 00:17

Tgt Ion:142 Resp: 376848
 Ion Ratio Lower Upper
 142 100
 141 90.3 70.8 106.2
 115 34.1 26.1 39.1

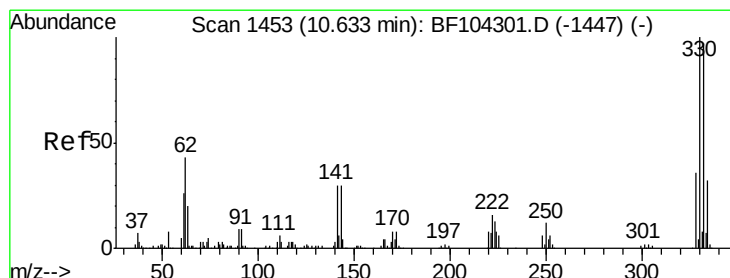
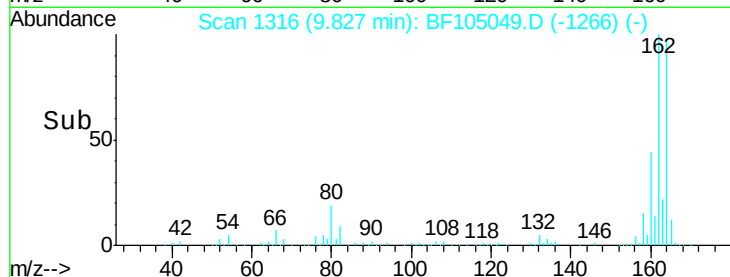
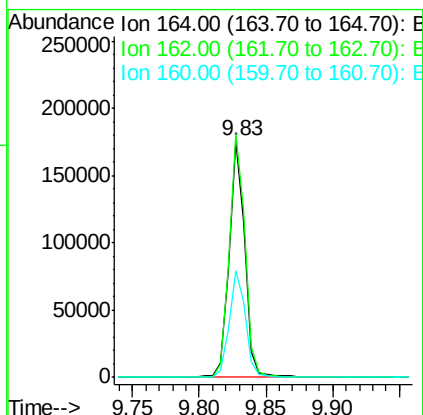
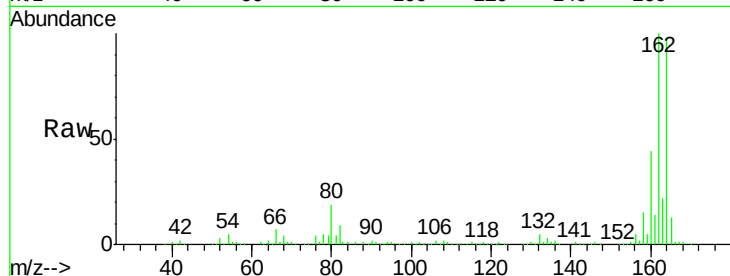




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF105049.D
 Acq: 3 May 2018 00:17

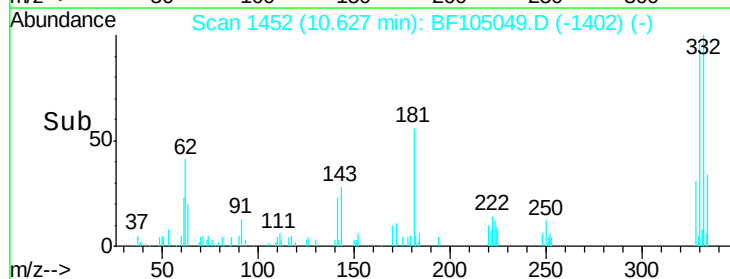
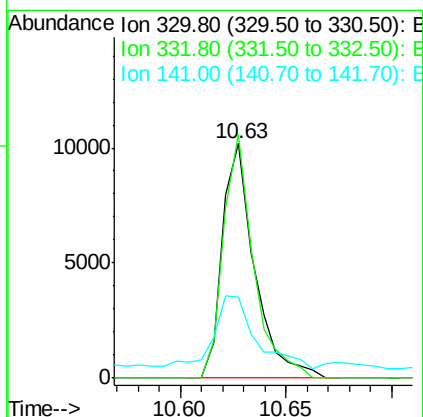
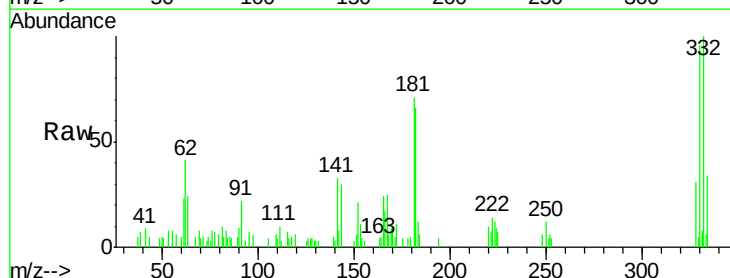
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 COMPOSITE-P4-WCDL

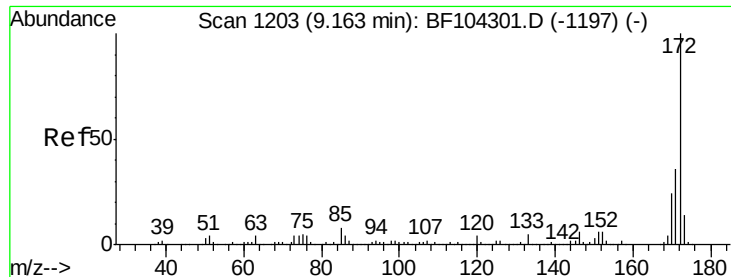
Tgt Ion:164 Resp: 145462
 Ion Ratio Lower Upper
 164 100
 162 102.9 86.1 129.1
 160 45.0 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 7.157 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF105049.D
 Acq: 3 May 2018 00:17

Tgt Ion:330 Resp: 10800
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.0 115.6
 141 44.0 29.9 44.9

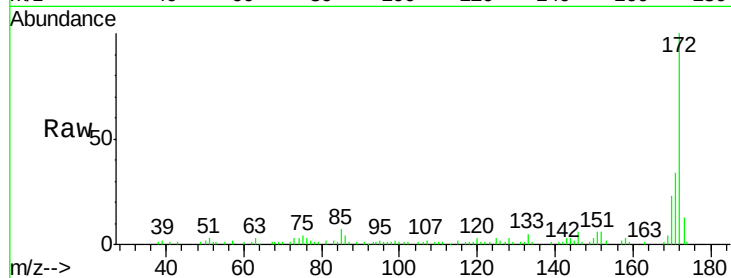




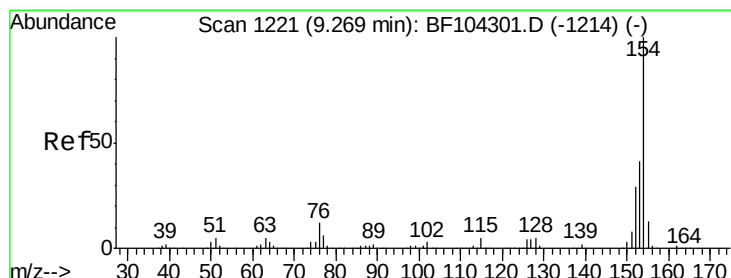
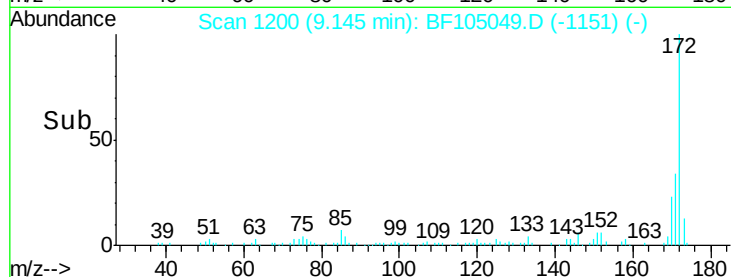
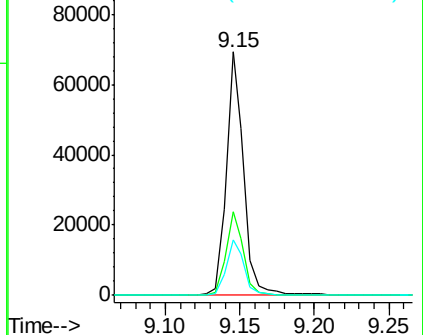
#44
 2-Fluorobiphenyl
 Concen: 6.194 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF105049.D
 Acq: 3 May 2018 00:17

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-P4-WCDL

Tgt Ion:172 Resp: 57037
 Ion Ratio Lower Upper
 172 100
 171 34.4 29.7 44.5
 170 23.0 19.6 29.4

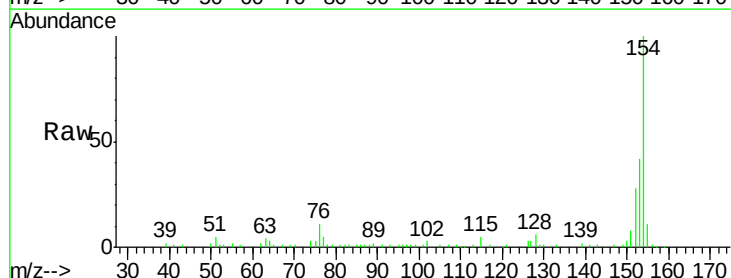


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

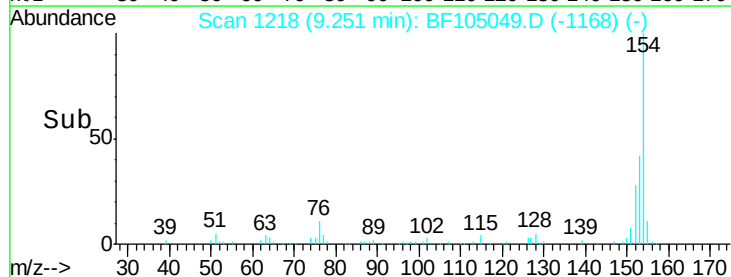
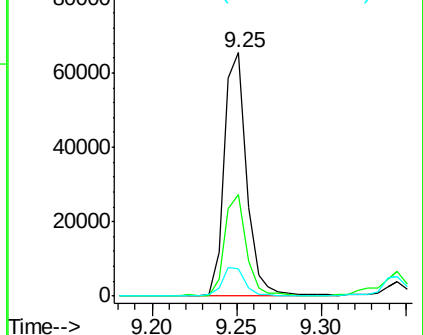


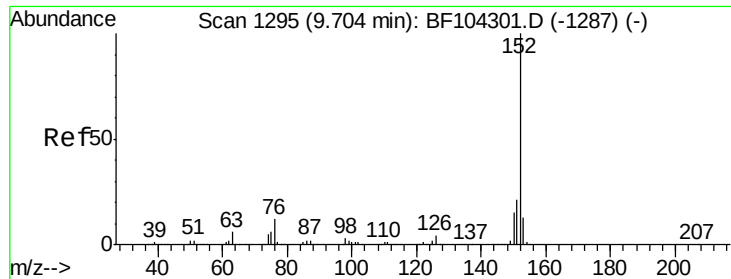
#45
 1,1'-Biphenyl
 Concen: 4.962 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF105049.D
 Acq: 3 May 2018 00:17

Tgt Ion:154 Resp: 60638
 Ion Ratio Lower Upper
 154 100
 153 41.6 21.3 61.3
 76 11.1 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

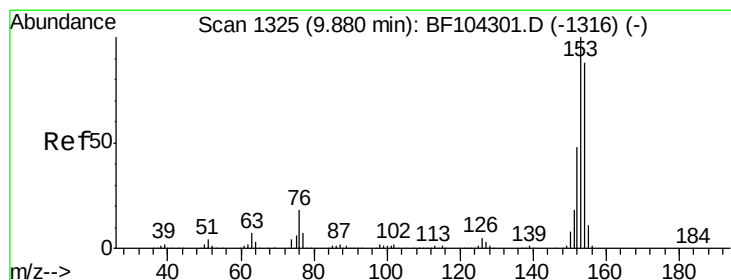
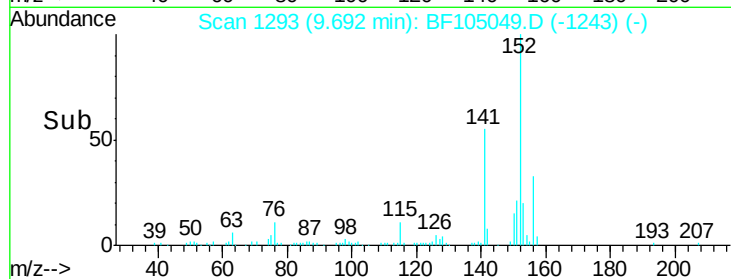
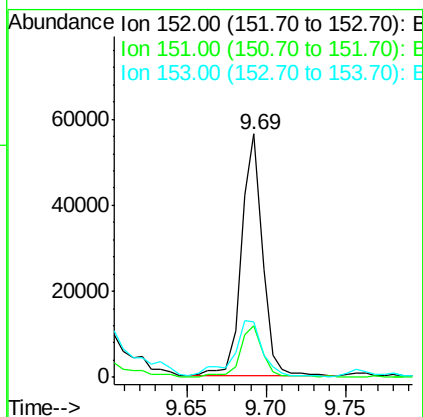
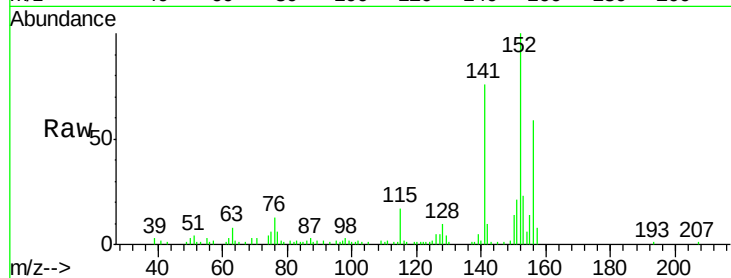




#48
Acenaphthylene
Concen: 3.409 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF105049.D
Acq: 3 May 2018 00:17

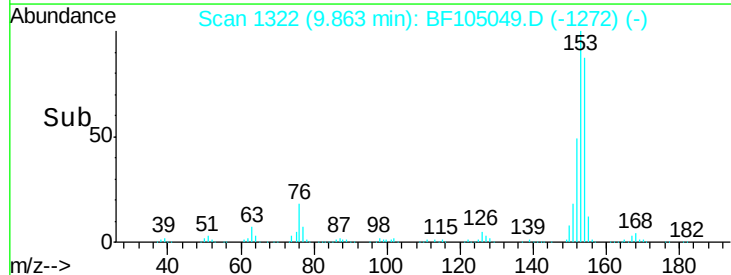
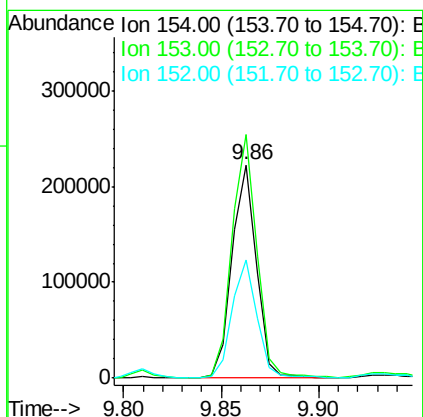
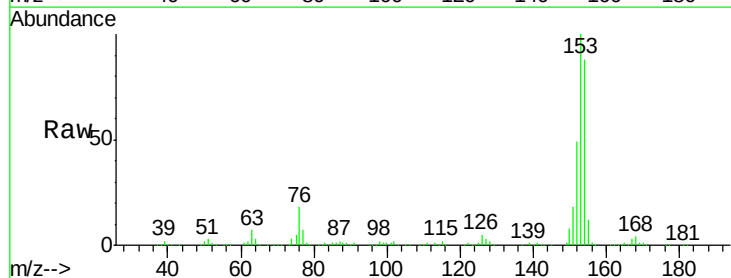
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-P4-WCDL

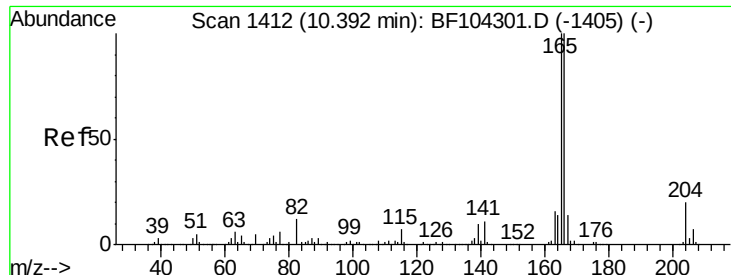
Tgt Ion:152 Resp: 51625
Ion Ratio Lower Upper
152 100
151 21.1 16.3 24.5
153 22.6 10.7 16.1#



#51
Acenaphthene
Concen: 20.780 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF105049.D
Acq: 3 May 2018 00:17

Tgt Ion:154 Resp: 192003
Ion Ratio Lower Upper
154 100
153 114.2 91.2 136.8
152 55.5 43.8 65.8

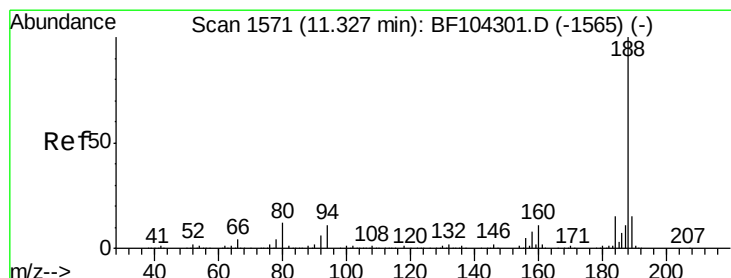
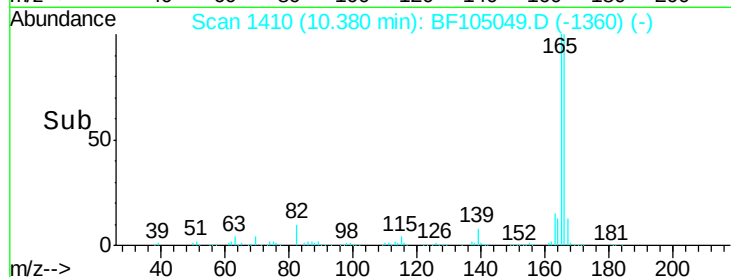
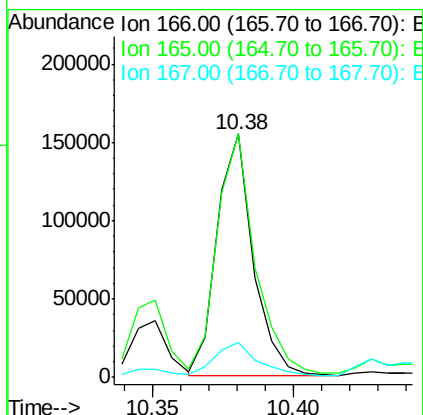
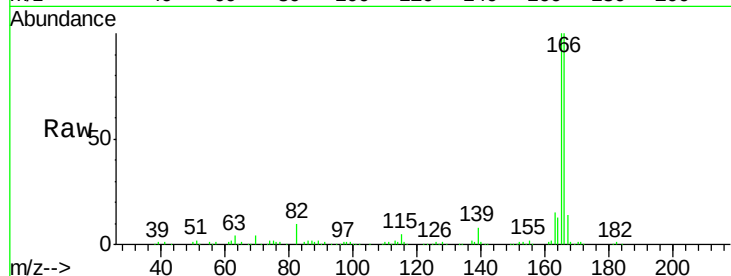




#57
 Fluorene
 Concen: 14.714 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: BF105049.D
 Acq: 3 May 2018 00:17

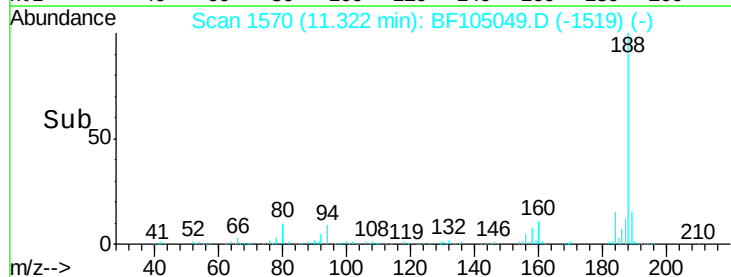
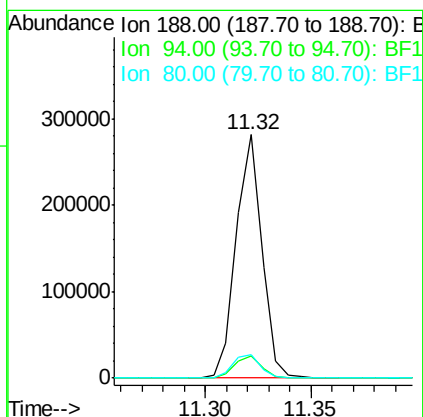
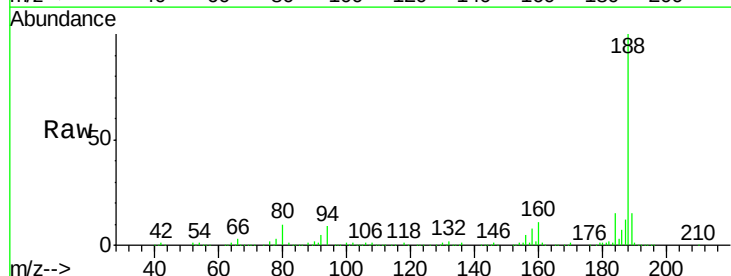
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-P4-WCDL

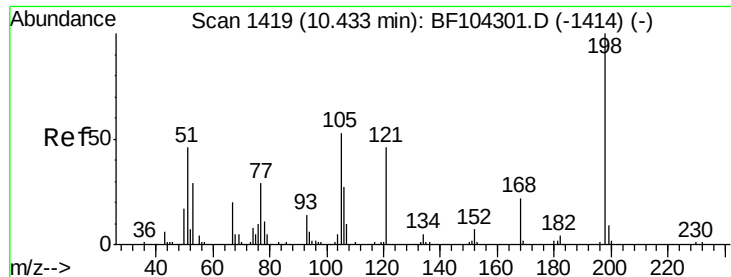
Tgt Ion:166 Resp: 137906
 Ion Ratio Lower Upper
 166 100
 165 99.9 79.8 119.8
 167 14.3 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF105049.D
 Acq: 3 May 2018 00:17

Tgt Ion:188 Resp: 236217
 Ion Ratio Lower Upper
 188 100
 94 9.3 8.5 12.7
 80 9.9 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 7.889 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.25 min

Lab File: BF105049.D

Acq: 3 May 2018 00:17

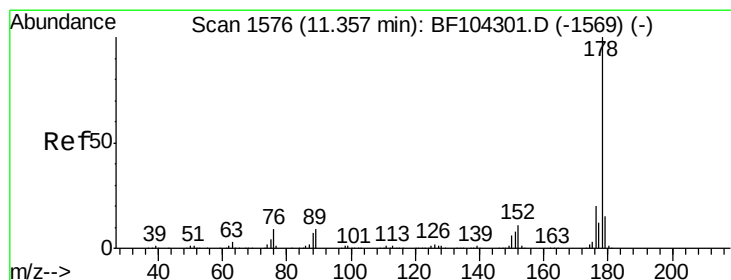
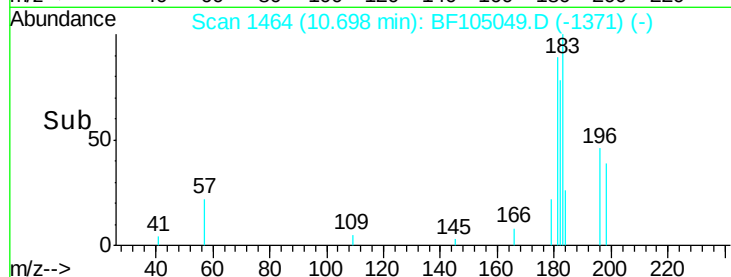
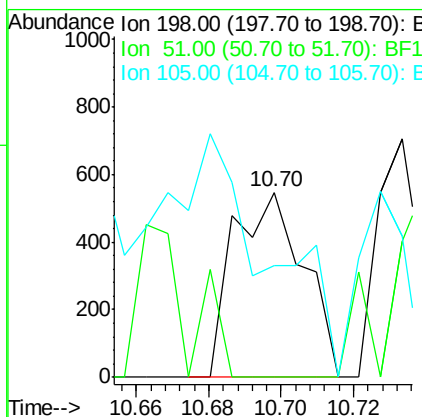
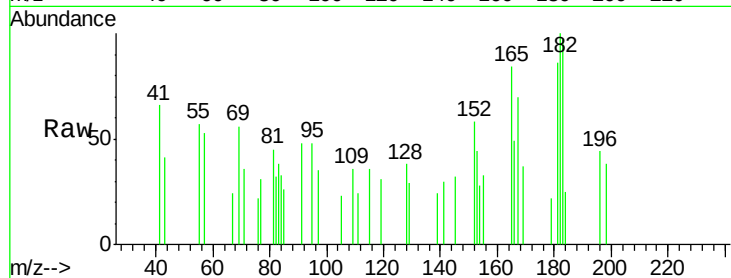
Instrument :

BNA_F

ClientSampleId :

COMPOSITE-P4-WCDL

Tgt Ion:	198	Resp:	736
Ion Ratio	Lower	Upper	
198	100		
51	0.0	37.7	77.7#
105	60.6	36.3	76.3



#70

Phenanthrene

Concen: 35.642 ng

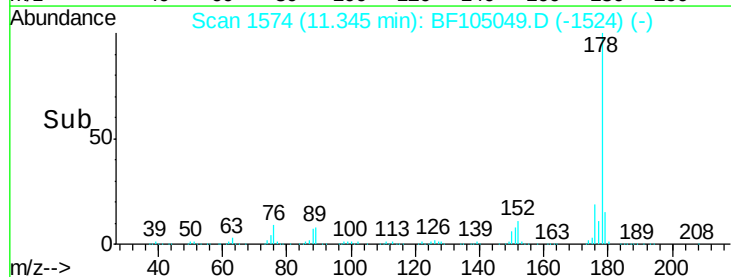
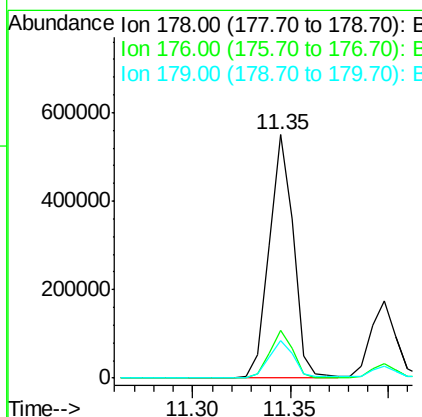
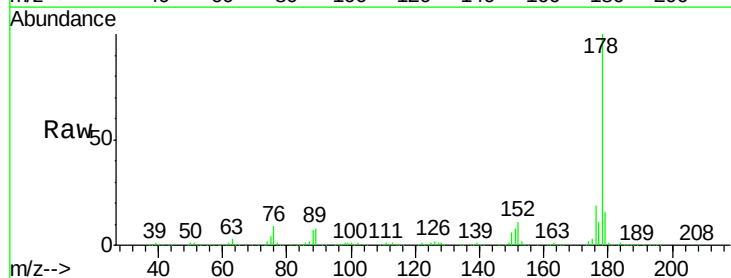
RT: 11.35 min Scan# 1574

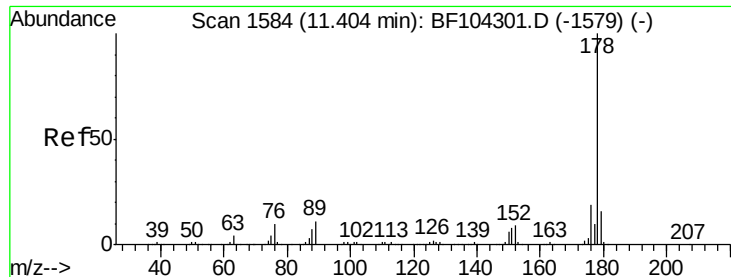
Delta R.T. -0.01 min

Lab File: BF105049.D

Acq: 3 May 2018 00:17

Tgt Ion:	178	Resp:	468866
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.8	23.8
179	15.6	13.0	19.6

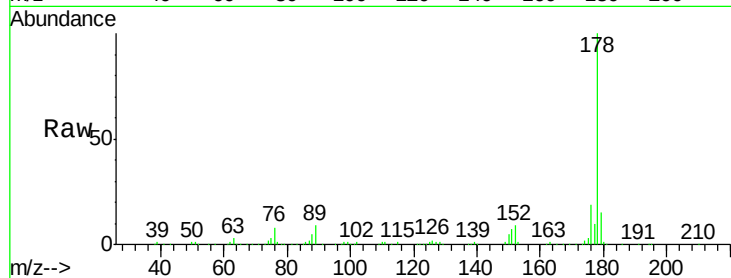




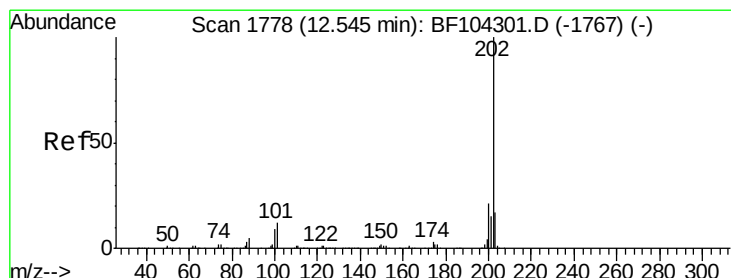
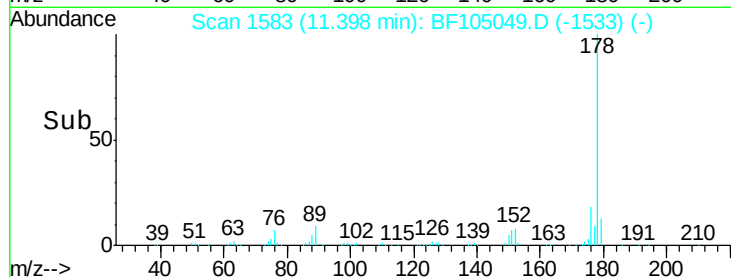
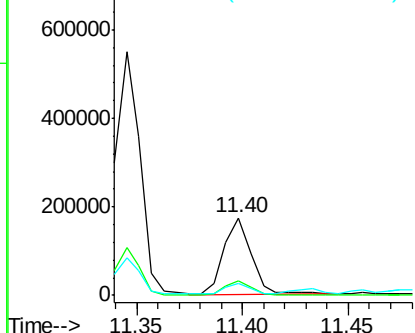
#71
 Anthracene
 Concen: 11.907 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF105049.D
 Acq: 3 May 2018 00:17

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-P4-WCDL

Tgt Ion:178 Resp: 159225
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.2
 179 15.2 12.6 19.0

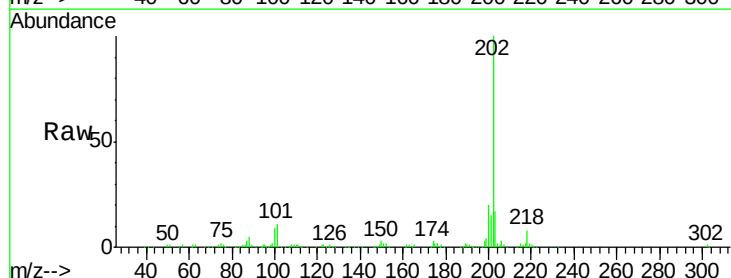


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

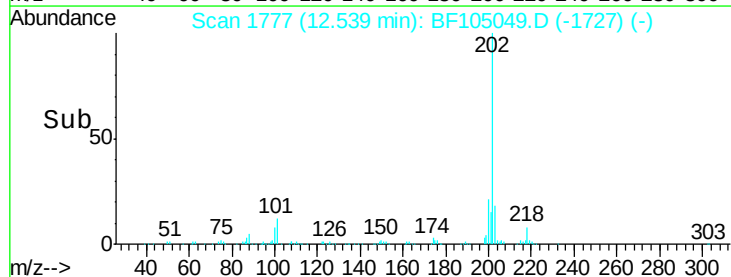
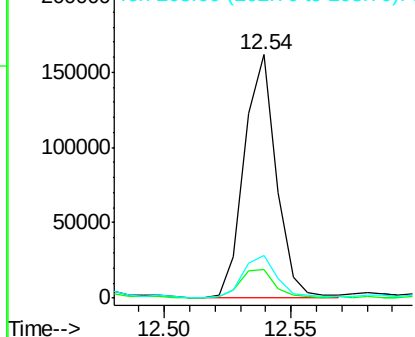


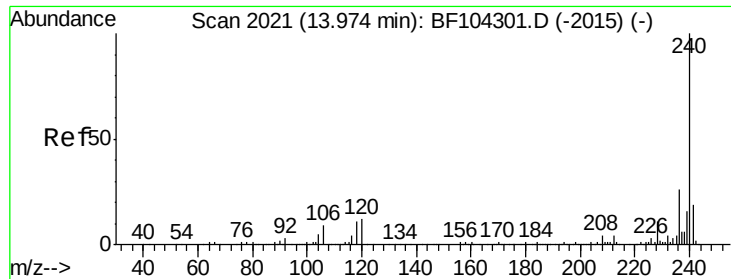
#74
 Fluoranthene
 Concen: 10.264 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: BF105049.D
 Acq: 3 May 2018 00:17

Tgt Ion:202 Resp: 141070
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 34.1
 203 17.5 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: BF105049.D

Acq: 3 May 2018 00:17

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-P4-WCDL

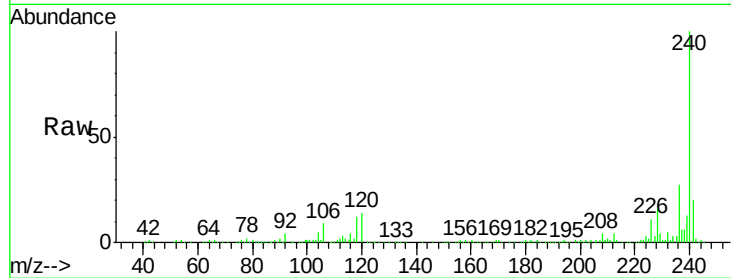
Tgt Ion:240 Resp: 200001

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

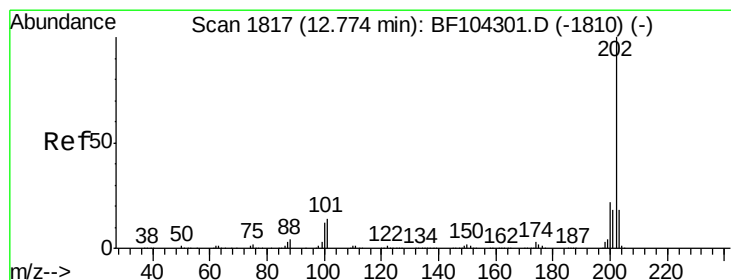
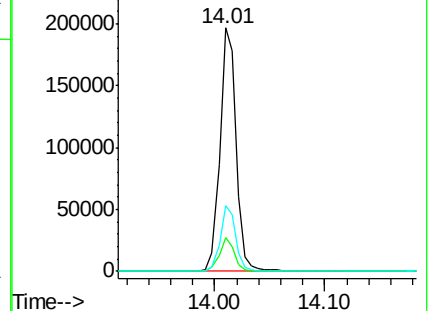
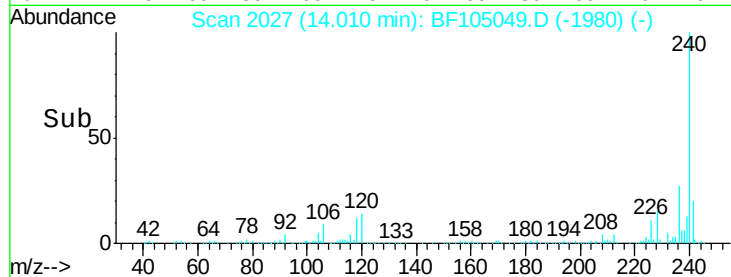
236 26.9 20.7 31.1



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: 14.412 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF105049.D

Acq: 3 May 2018 00:17

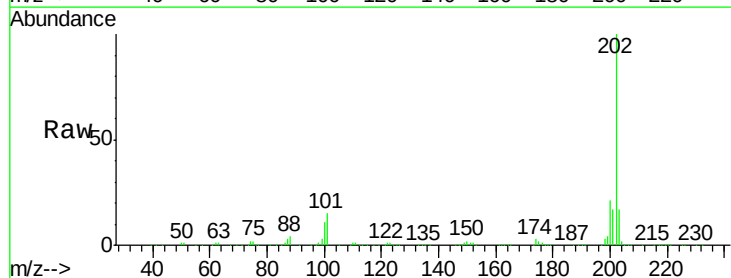
Tgt Ion:202 Resp: 213661

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

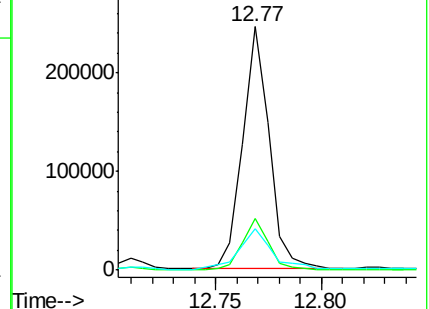
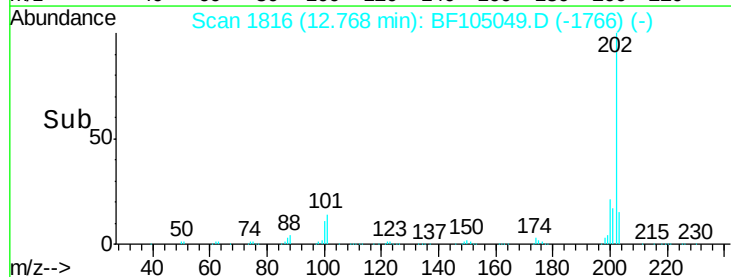
203 17.2 14.3 21.5

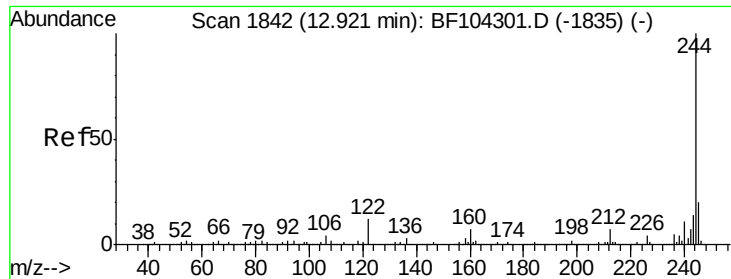


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 5.398 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF105049.D

Acq: 3 May 2018 00:17

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-P4-WCDL

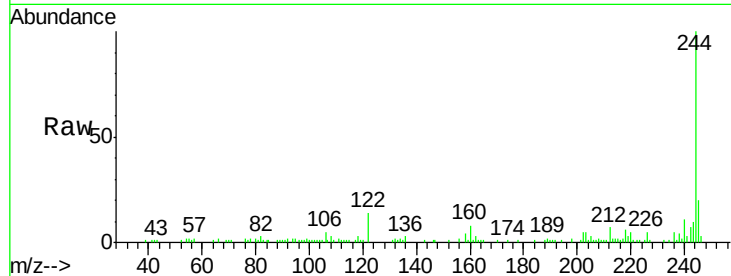
Tgt Ion:244 Resp: 47359

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

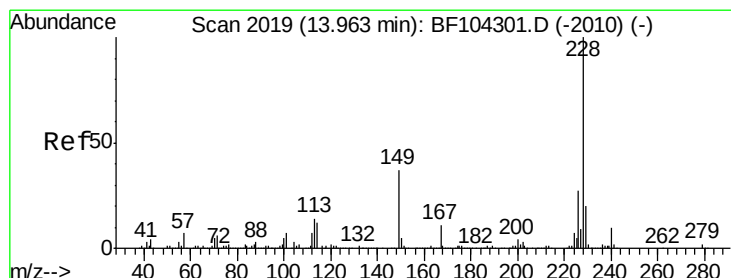
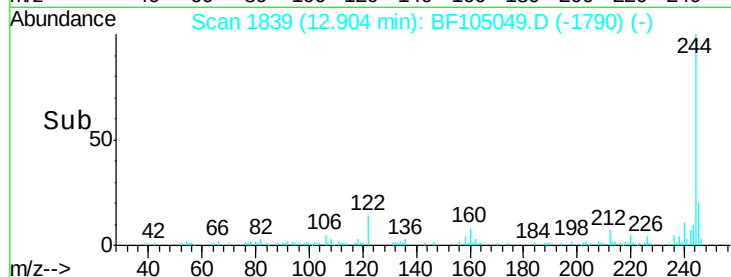
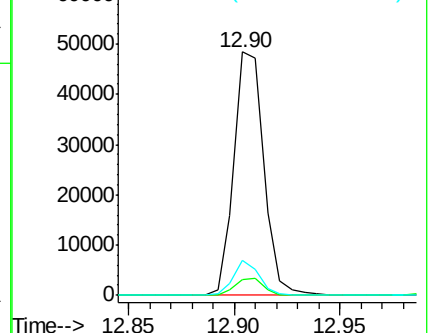
122 14.5 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 5.832 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.02 min

Lab File: BF105049.D

Acq: 3 May 2018 00:17

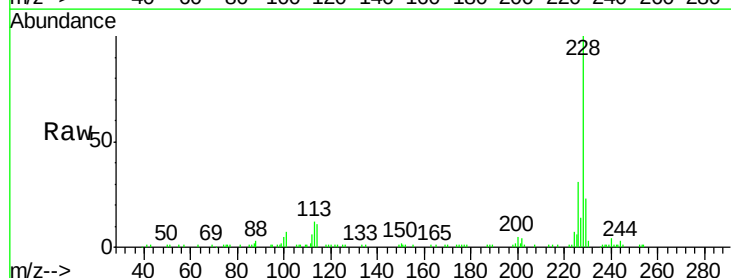
Tgt Ion:228 Resp: 69678

Ion Ratio Lower Upper

228 100

226 30.7 22.6 33.8

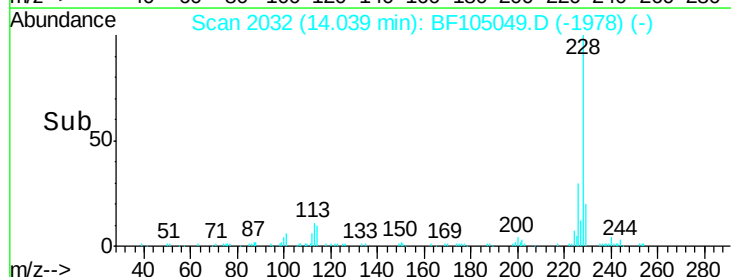
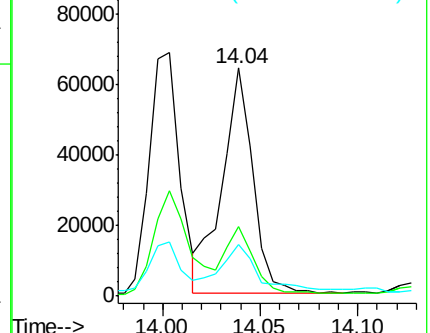
229 22.8 15.8 23.6

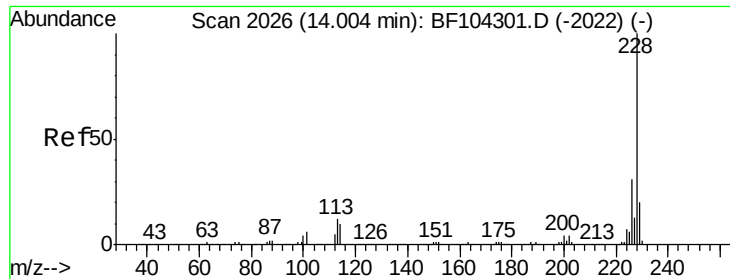


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.677 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.02 min

Lab File: BF105049.D

Acq: 3 May 2018 00:17

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-P4-WCDL

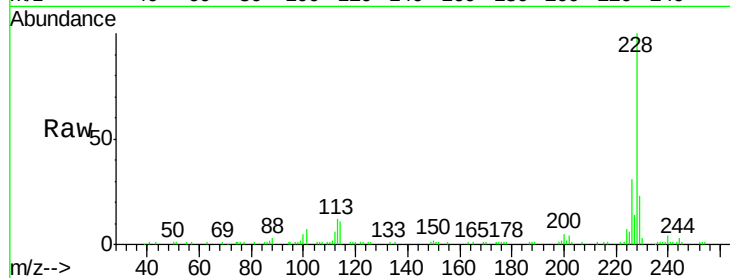
Tgt Ion:228 Resp: 69678

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.6

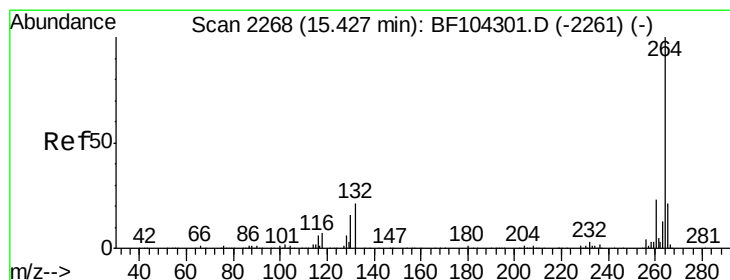
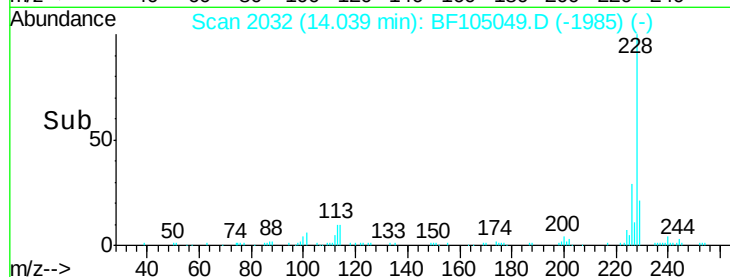
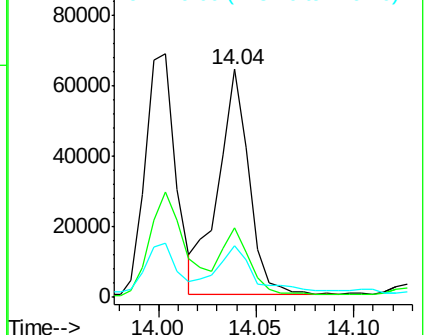
229 22.8 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2291

Delta R.T. -0.03 min

Lab File: BF105049.D

Acq: 3 May 2018 00:17

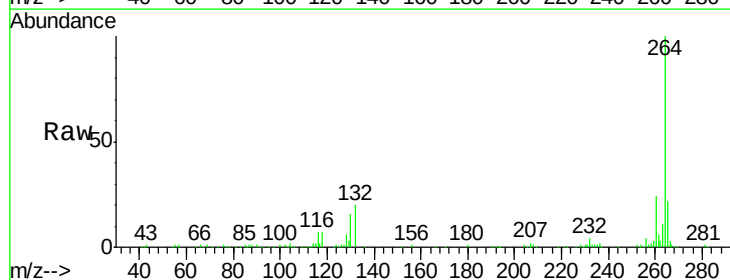
Tgt Ion:264 Resp: 157150

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

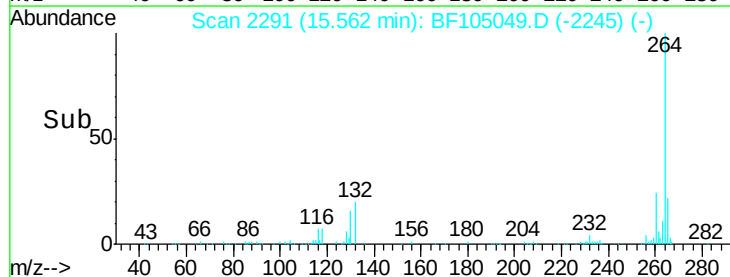
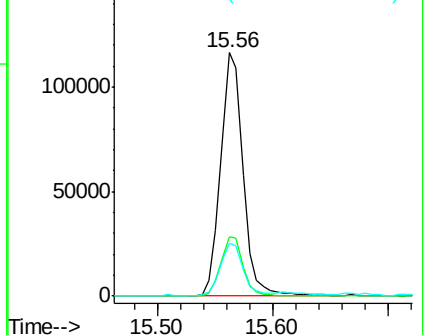
265 21.8 17.5 26.3

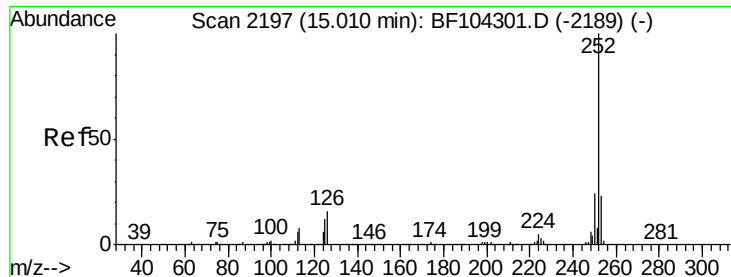


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

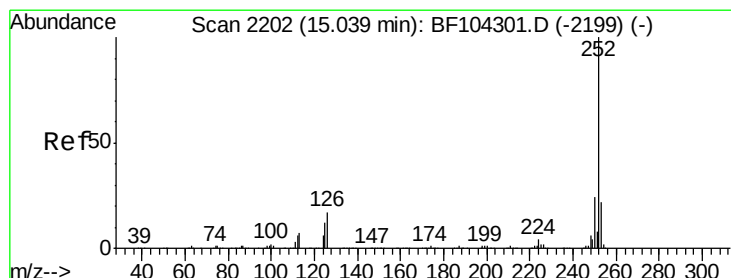
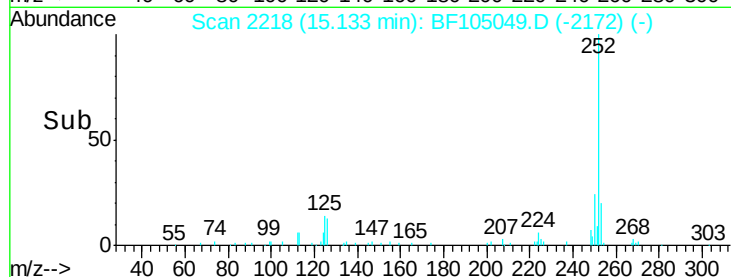
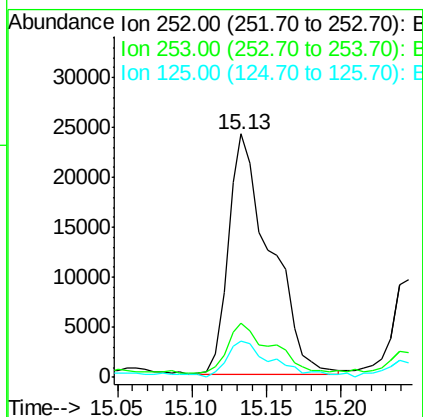
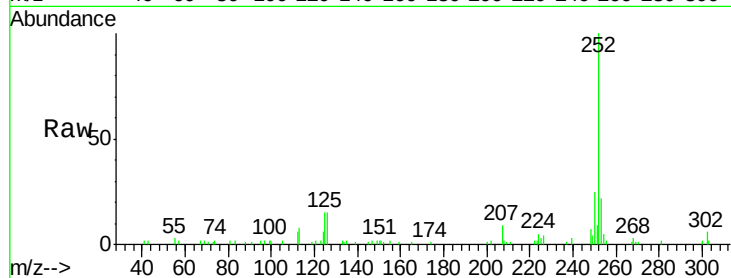




#87
Benzo(b)fluoranthene
Concen: 4.718 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF105049.D
Acq: 3 May 2018 00:17

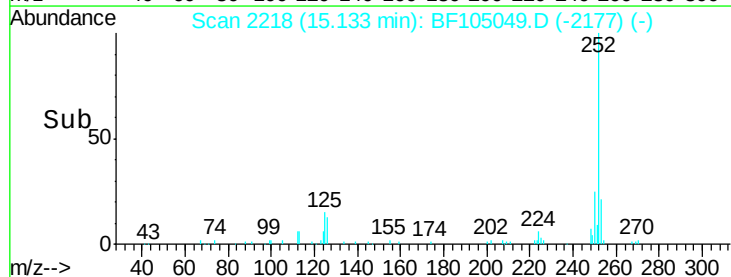
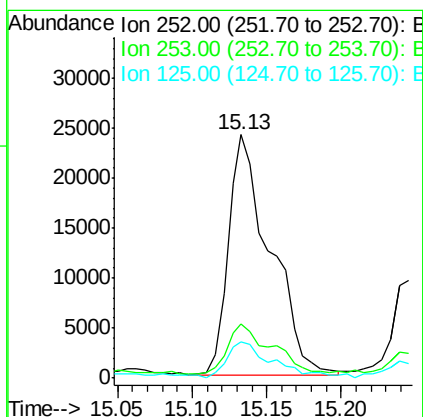
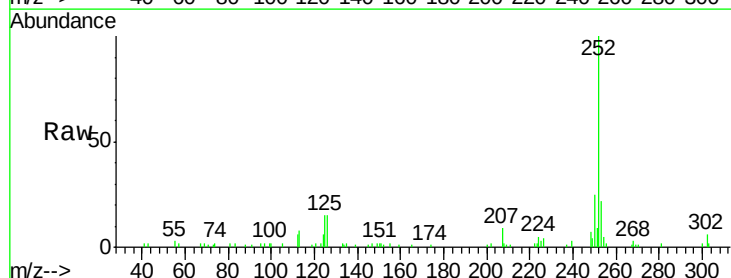
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-P4-WCDL

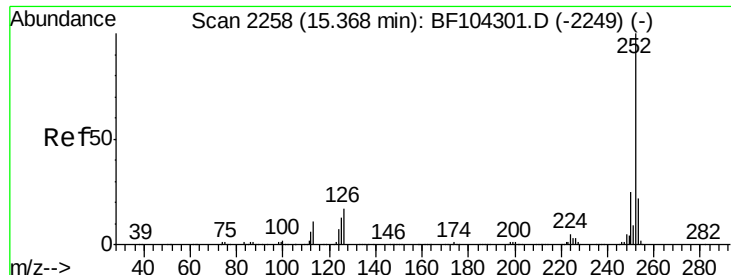
Tgt Ion:252 Resp: 46831
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 14.7 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 4.998 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.06 min
Lab File: BF105049.D
Acq: 3 May 2018 00:17

Tgt Ion:252 Resp: 46831
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 14.7 10.2 15.2





#89

Benzo(a)pyrene

Concen: 4.227 ng

RT: 15.50 min Scan# 2281

Delta R.T. -0.03 min

Lab File: BF105049.D

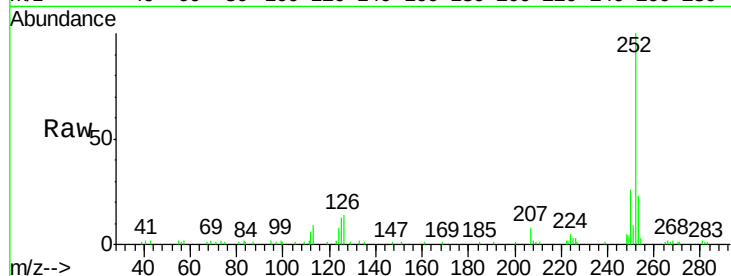
Acq: 3 May 2018 00:17

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-P4-WCDL



Tgt Ion:	252	Resp:	37541
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	13.3	9.8	14.6

