

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021819\
 Data File : BF112605.D
 Acq On : 18 Feb 2019 17:12
 Operator : JU/SJ
 Sample : K1518-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-6

Quant Time: Feb 19 00:04:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	58300	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	232488	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	119311	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	244903	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	205036	20.00	ng	-0.01
87) Perylene-d12	15.47	264	164135	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	313744	114.31	ng	-0.03
7) Phenol-d6	6.47	99	399146	104.65	ng	-0.02
23) Nitrobenzene-d5	7.39	82	259434	64.30	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	147055	105.89	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	523566	62.06	ng	-0.03
79) Terphenyl-d14	12.93	244	625052	57.42	ng	-0.02

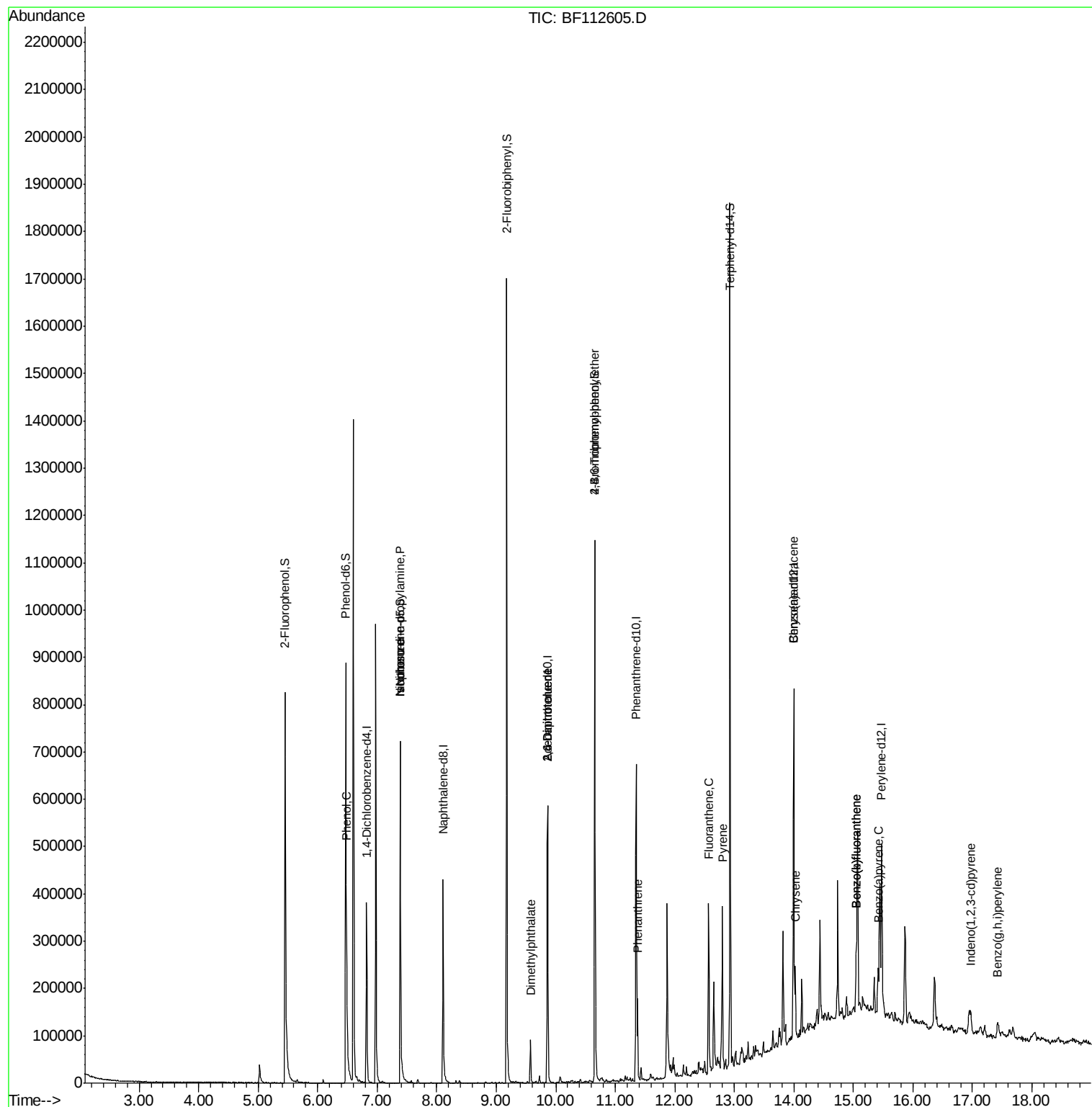
Target Compounds				Qvalue		
10) Phenol	6.49	94	8634	2.063	ng	# 66
19) n-Nitroso-di-n-propylamine	7.39	70	34093	12.964	ng	# 78
25) Isophorone	7.39	82	259433	40.986	ng	# 63
50) Dimethylphthalate	9.57	163	39659	4.278	ng	96
51) 2,6-Dinitrotoluene	9.86	165	14954	7.203	ng	# 35
57) 2,4-Dinitrotoluene	9.86	165	14954	5.658	ng	# 33
67) 4-Bromophenyl-phenylether	10.66	248	8937	3.103	ng	# 1
71) Phenanthrene	11.37	178	61885	4.861	ng	100
75) Fluoranthene	12.57	202	135310	9.908	ng	96
78) Pyrene	12.80	202	129910	9.151	ng	97
81) Benzo(a)anthracene	13.99	228	65147	5.405	ng	97
83) Chrysene	14.02	228	59189	5.145	ng	99
86) Indeno(1,2,3-cd)pyrene	16.97	276	30274	3.321	ng	98
88) Benzo(b)fluoranthene	15.04	252	88469	9.013	ng	98
89) Benzo(k)fluoranthene	15.04	252	88469	9.409	ng	98
90) Benzo(a)pyrene	15.42	252	46569	5.273	ng	98
92) Benzo(g,h,i)perylene	17.43	276	28284	4.212	ng	97

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

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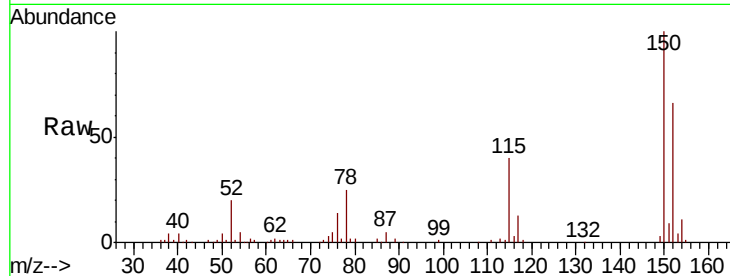


#1

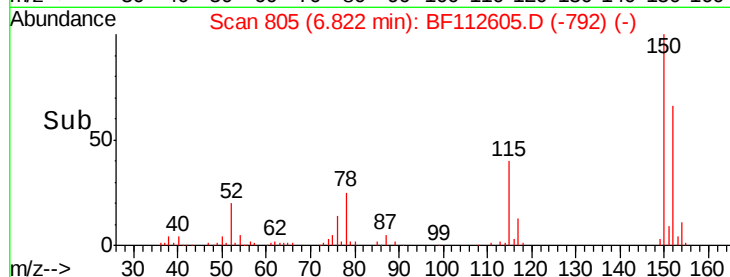
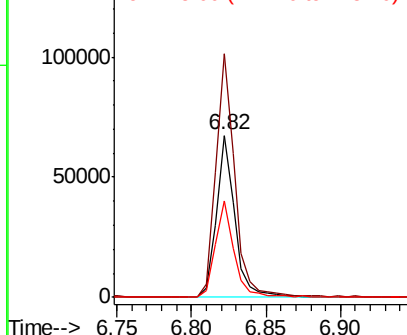
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 805
 Delta R.T. -0.02 min
 Lab File: BF112605.D
 Acq: 18 Feb 2019 17:12

Instrument :
 BNA_F
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-6

Tgt Ion:152 Resp: 58300
 Ion Ratio Lower Upper
 152 100
 150 150.5 127.4 191.0
 115 59.4 45.5 68.3



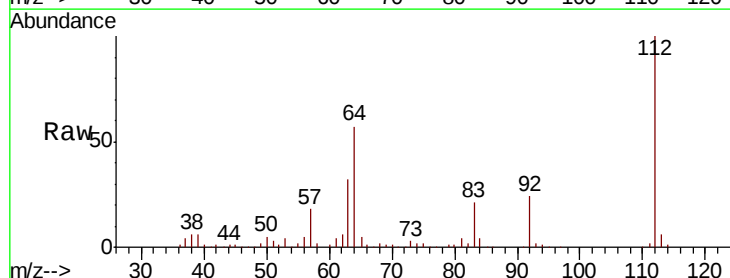
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



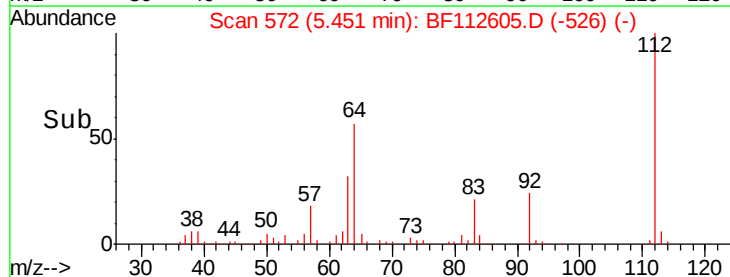
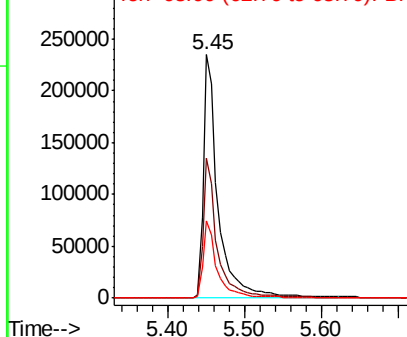
#5

2-Fluorophenol
 Concen: 114.308 ng
 RT: 5.45 min Scan# 572
 Delta R.T. -0.03 min
 Lab File: BF112605.D
 Acq: 18 Feb 2019 17:12

Tgt Ion:112 Resp: 313744
 Ion Ratio Lower Upper
 112 100
 64 57.3 45.7 68.5
 63 31.9 23.6 35.4



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: 104.654 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF112605.D

Acq: 18 Feb 2019 17:12

Instrument :

BNA_F

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-6

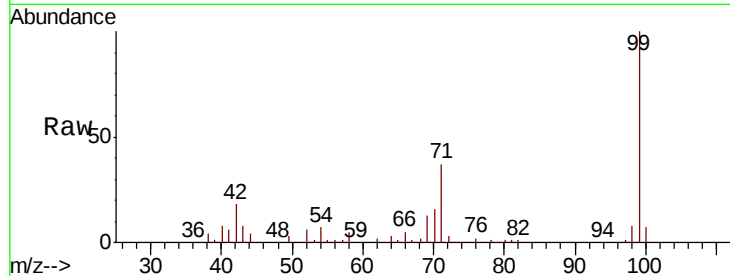
Tgt Ion: 99 Resp: 399146

Ion Ratio Lower Upper

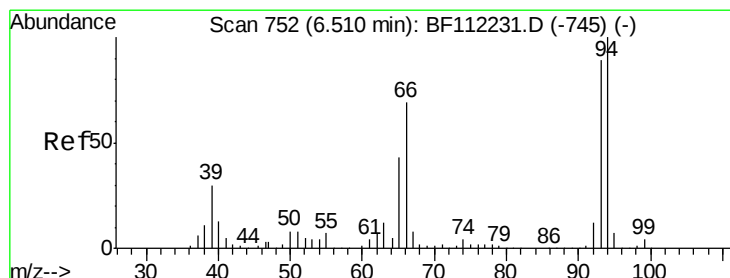
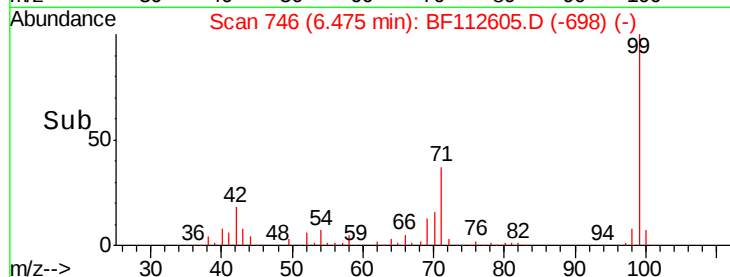
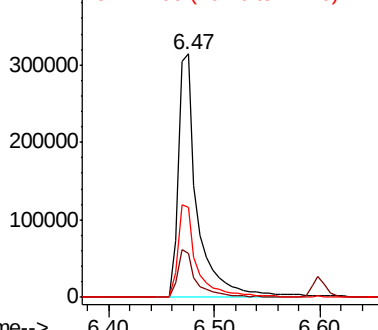
99 100

42 17.8 15.1 22.7

71 36.8 26.9 40.3



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



#10

Phenol

Concen: 2.063 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF112605.D

Acq: 18 Feb 2019 17:12

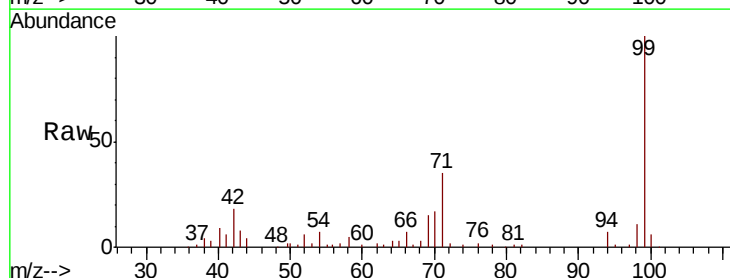
Tgt Ion: 94 Resp: 8634

Ion Ratio Lower Upper

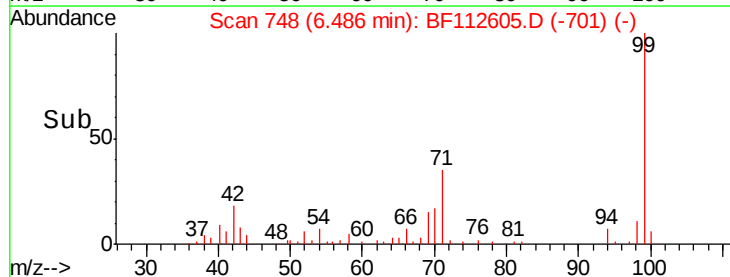
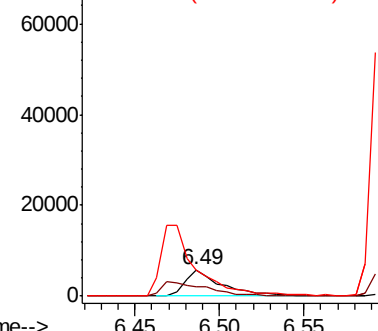
94 100

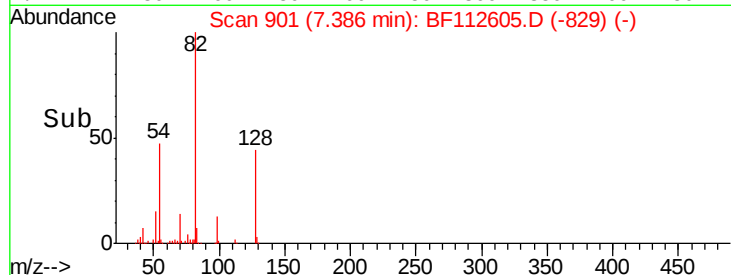
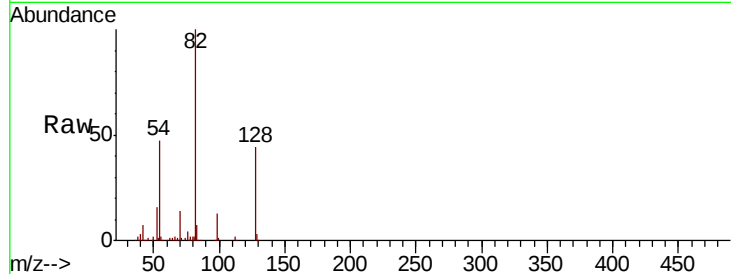
65 35.4 20.3 60.3

66 101.2 42.4 82.4#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

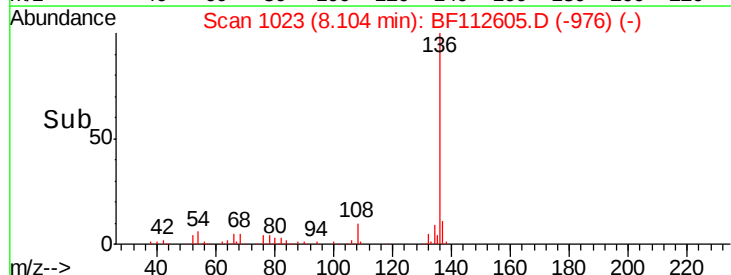
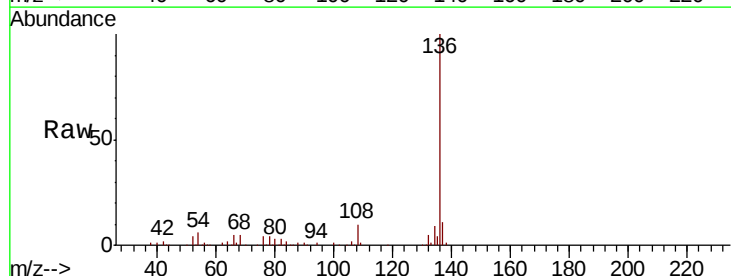
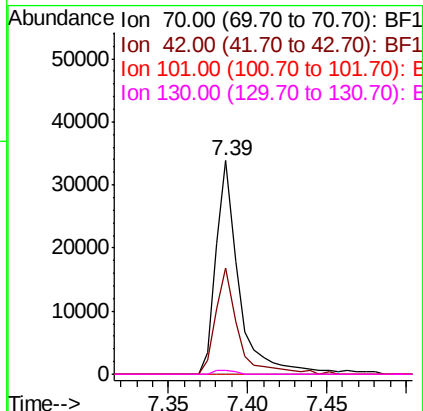




#19
n-Nitroso-di-n-propylamine
Concen: 12.964 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.12 min
Lab File: BF112605.D
Acq: 18 Feb 2019 17:12

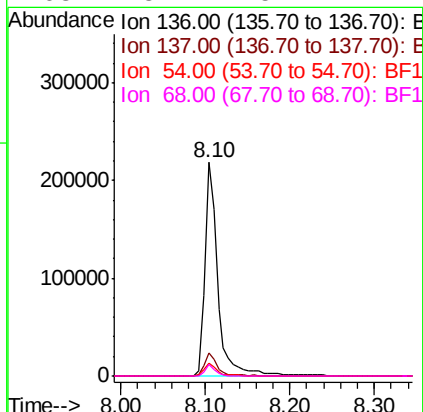
Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-6

Tgt Ion	Ratio	Lower	Upper
70	100		
42	49.8	47.6	71.4
101	0.0	7.9	11.9#
130	1.8	18.4	27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF112605.D
Acq: 18 Feb 2019 17:12

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	6.2	5.9	8.9
68	5.1	5.1	7.7

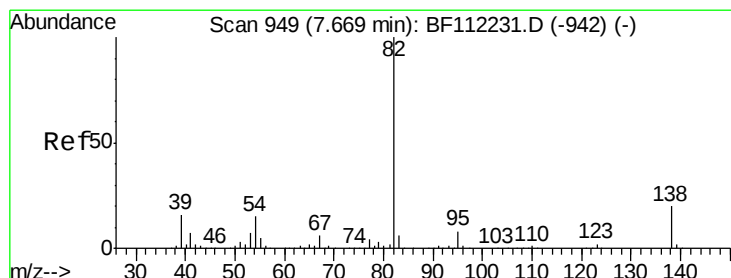
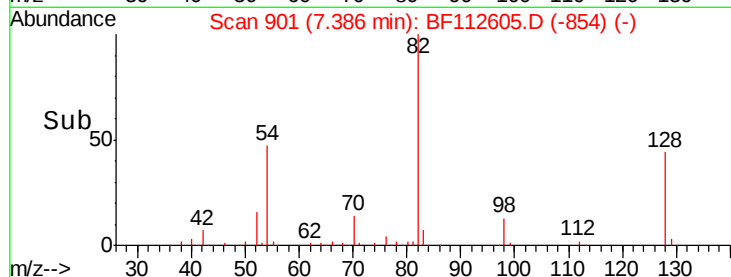
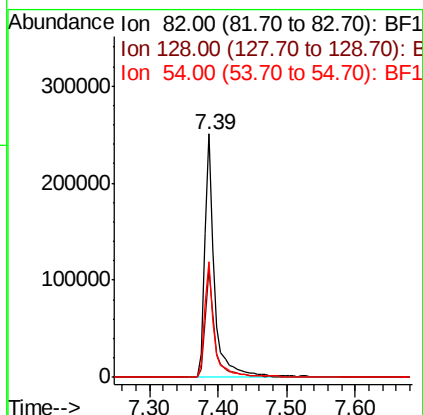
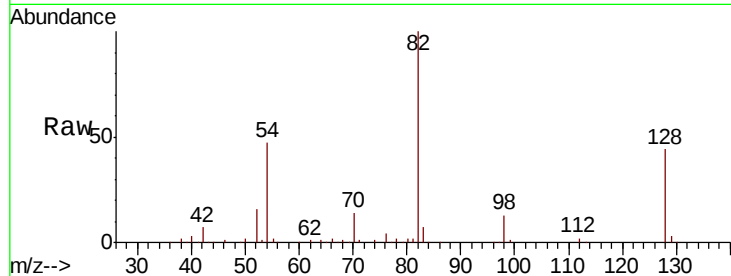




#23
Nitrobenzene-d5
Concen: 64.298 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.02 min
Lab File: BF112605.D
Acq: 18 Feb 2019 17:12

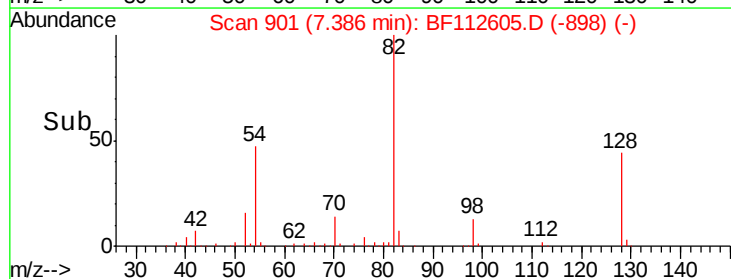
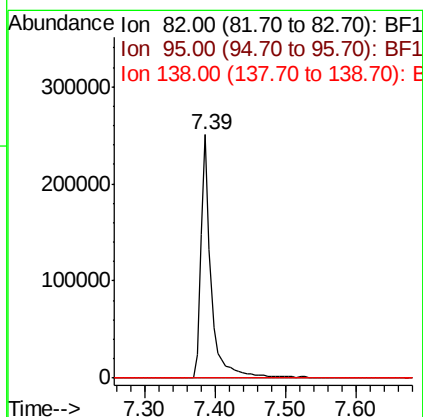
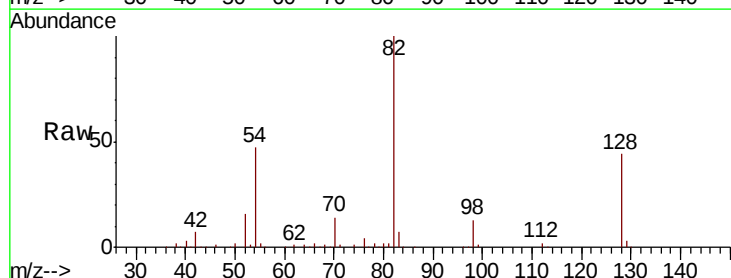
Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-6

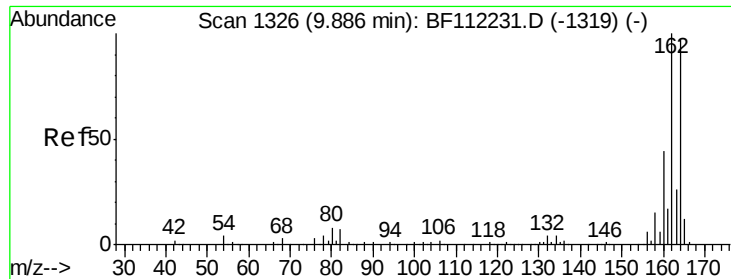
Tgt Ion: 82 Resp: 259434
Ion Ratio Lower Upper
82 100
128 44.2 37.8 56.8
54 47.3 39.7 59.5



#25
Isophorone
Concen: 40.986 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.28 min
Lab File: BF112605.D
Acq: 18 Feb 2019 17:12

Tgt Ion: 82 Resp: 259433
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.4 23.0#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.02 min

Lab File: BF112605.D

Acq: 18 Feb 2019 17:12

Instrument :

BNA_F

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-6

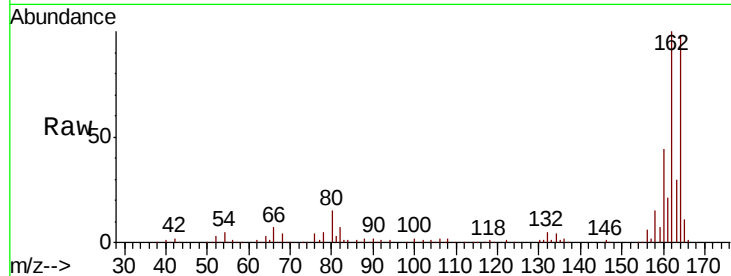
Tgt Ion:164 Resp: 119311

Ion Ratio Lower Upper

164 100

162 102.5 82.2 123.4

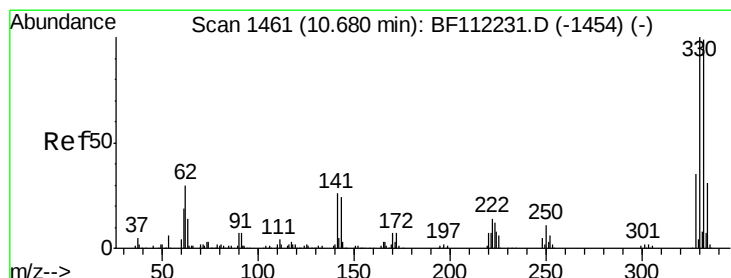
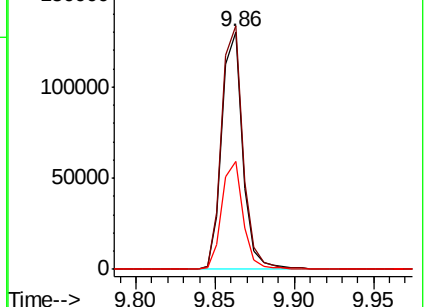
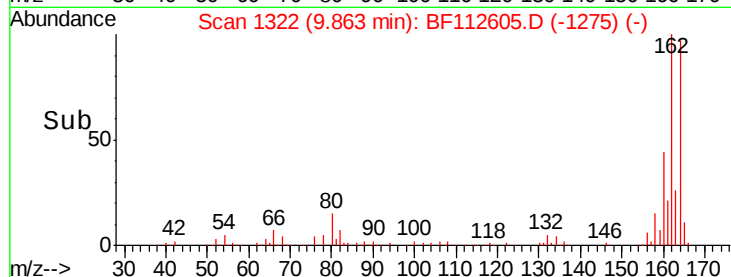
160 45.5 36.2 54.4



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



#42

2,4,6-Tribromophenol

Concen: 105.890 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.02 min

Lab File: BF112605.D

Acq: 18 Feb 2019 17:12

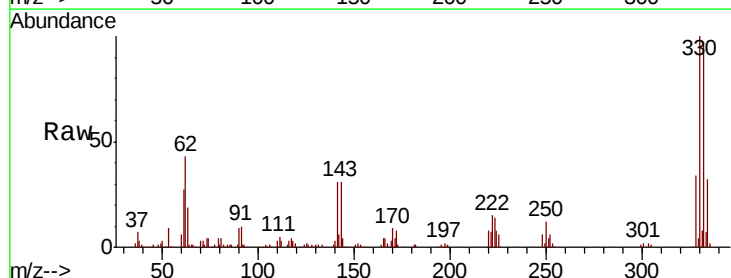
Tgt Ion:330 Resp: 147055

Ion Ratio Lower Upper

330 100

332 98.1 76.6 114.8

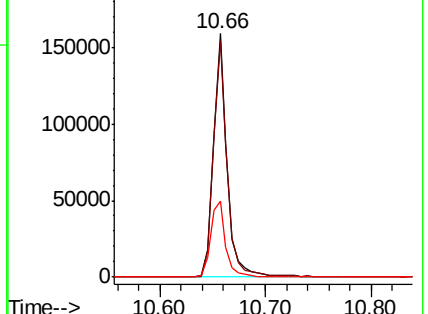
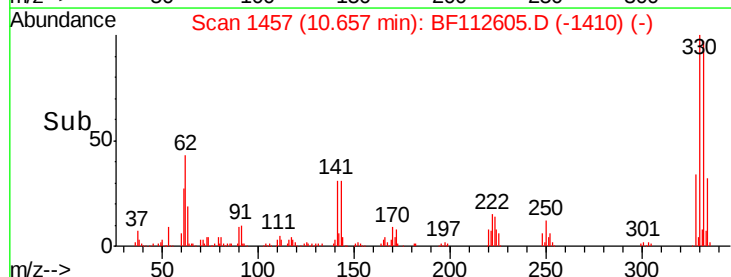
141 33.4 24.3 36.5



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

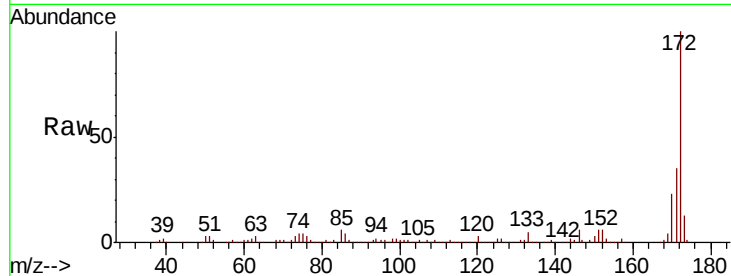




#45
2-Fluorobiphenyl
Concen: 62.065 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BF112605.D
Acq: 18 Feb 2019 17:12

Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-6

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	30.5	45.7
170	23.0	20.2	30.4

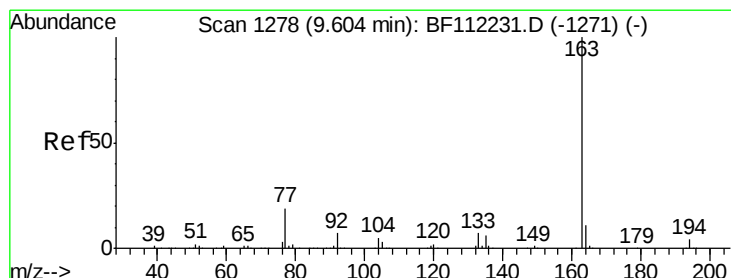
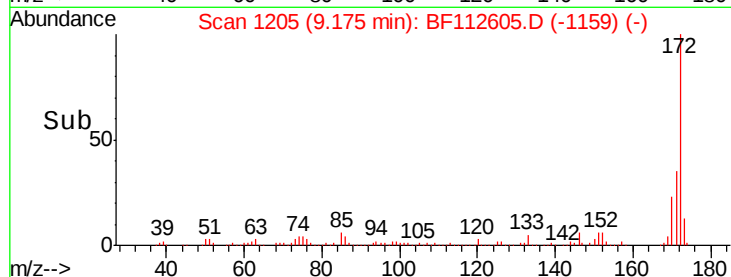
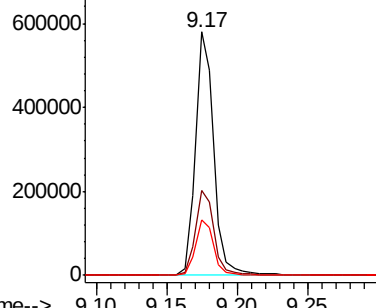


Abundance

Ion 172.00 (171.70 to 172.70): E

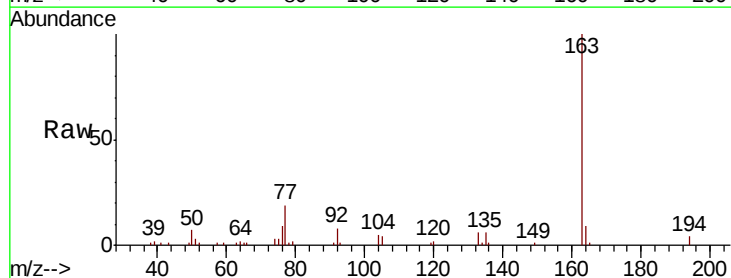
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 4.278 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.03 min
Lab File: BF112605.D
Acq: 18 Feb 2019 17:12

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	8.6	8.5	12.7

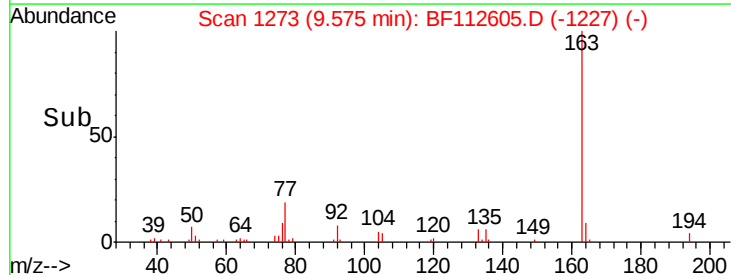
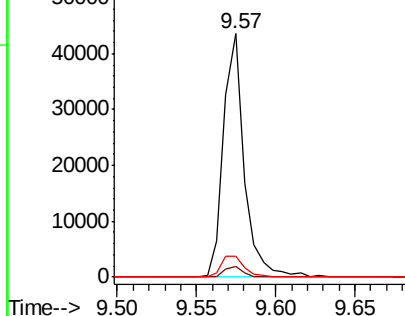


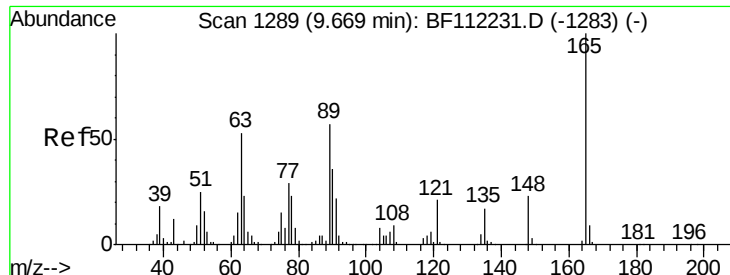
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

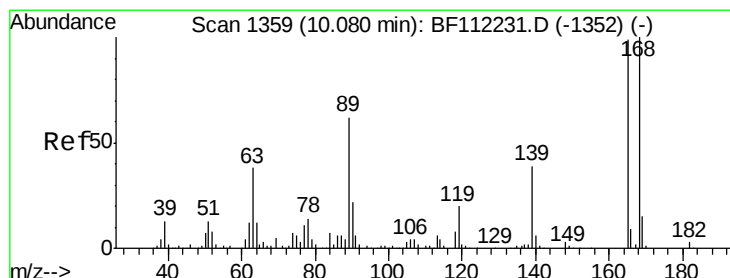
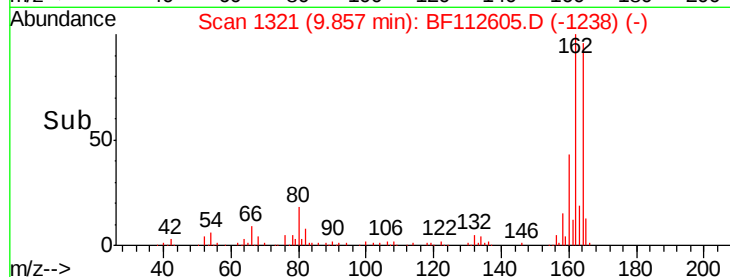
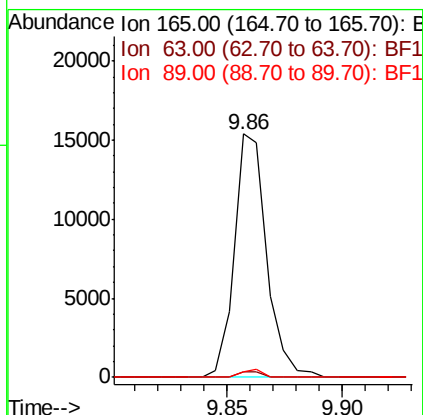
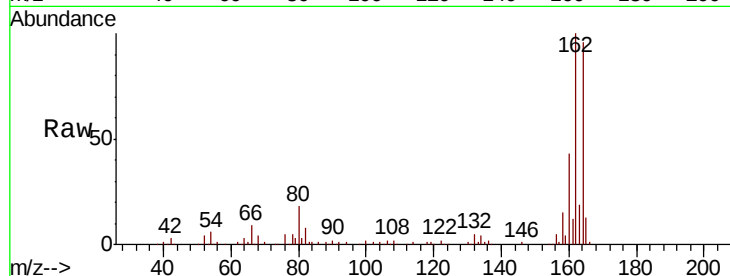




#51
 2,6-Dinitrotoluene
 Concen: 7.203 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. 0.19 min
 Lab File: BF112605.D
 Acq: 18 Feb 2019 17:12

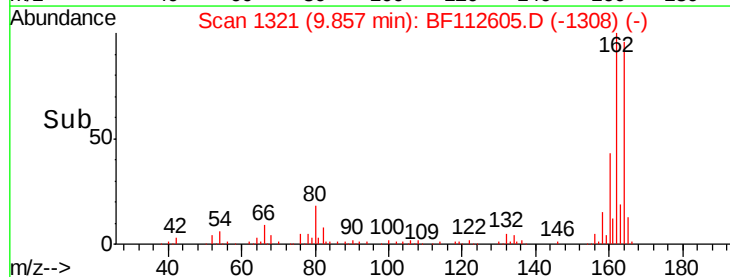
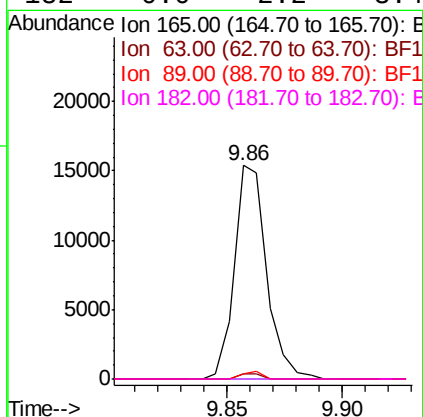
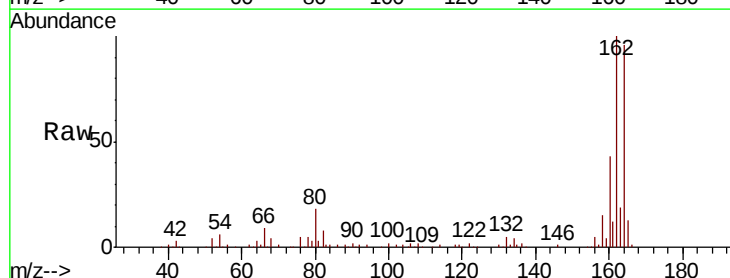
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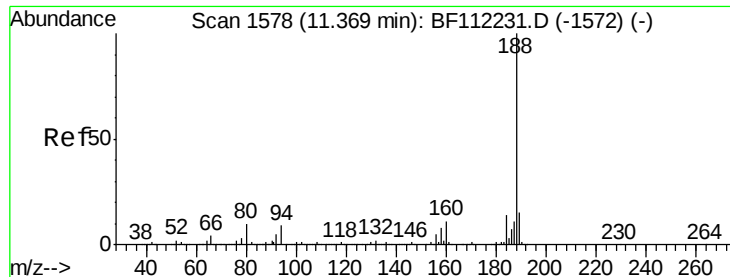
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	33.8	50.8#
89	2.3	36.9	55.3#



#57
 2,4-Dinitrotoluene
 Concen: 5.658 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.22 min
 Lab File: BF112605.D
 Acq: 18 Feb 2019 17:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	27.9	41.9#
89	2.3	47.9	71.9#
182	0.0	2.2	3.4#

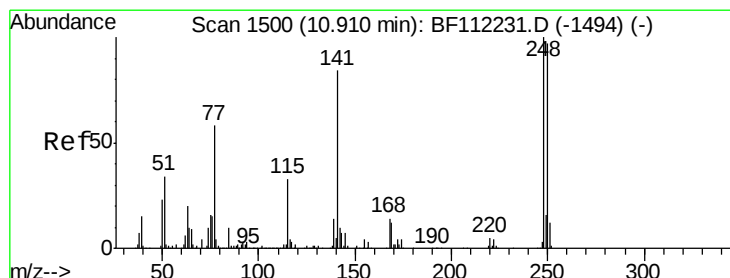
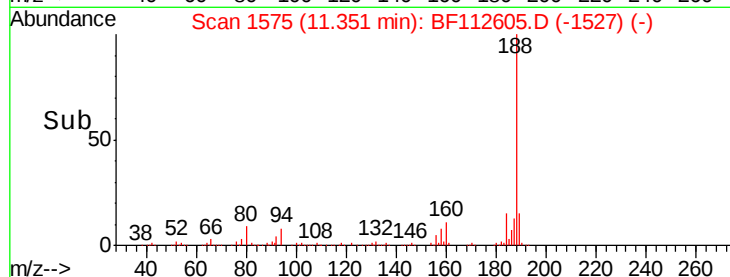
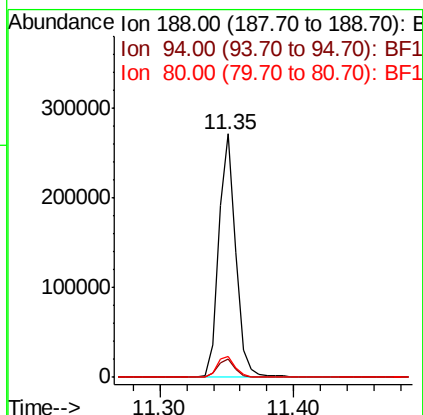
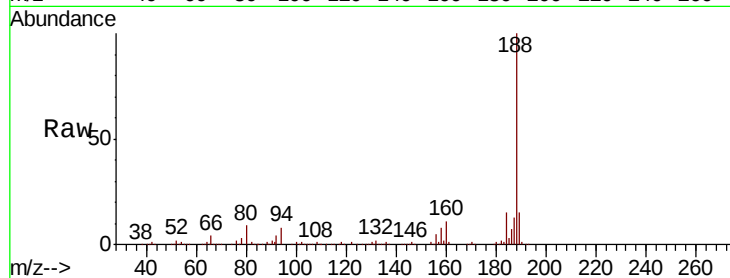




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF112605.D
Acq: 18 Feb 2019 17:12

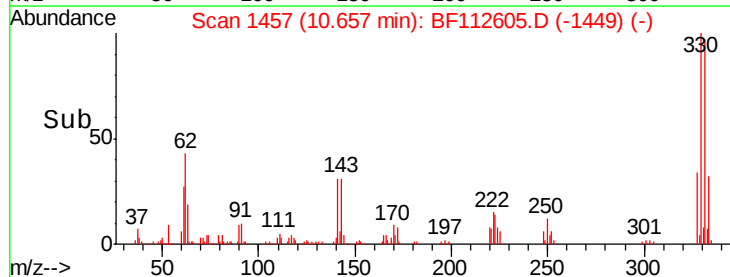
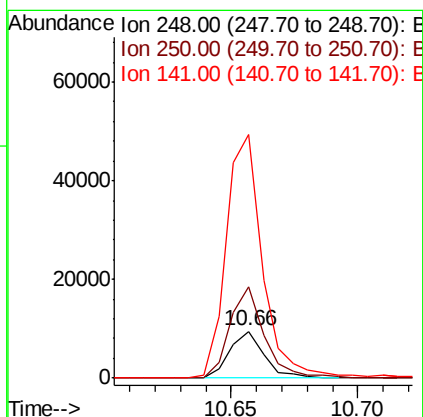
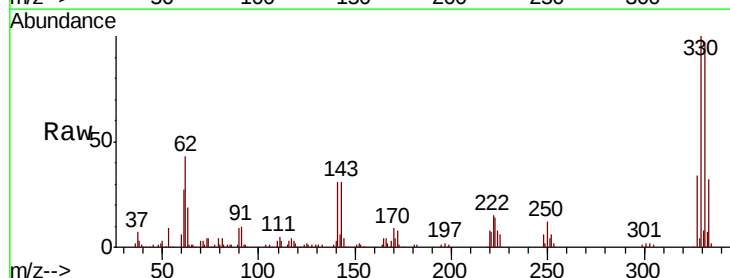
Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-6

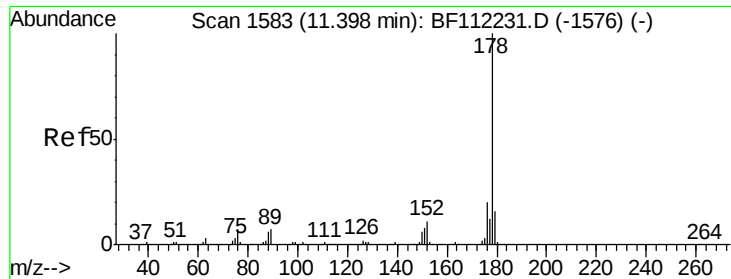
Tgt Ion:188 Resp: 244903
Ion Ratio Lower Upper
188 100
94 7.7 8.2 12.2#
80 8.7 8.9 13.3#



#67
4-Bromophenyl-phenylether
Concen: 3.103 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.25 min
Lab File: BF112605.D
Acq: 18 Feb 2019 17:12

Tgt Ion:248 Resp: 8937
Ion Ratio Lower Upper
248 100
250 195.9 79.7 119.5#
141 519.7 60.3 90.5#

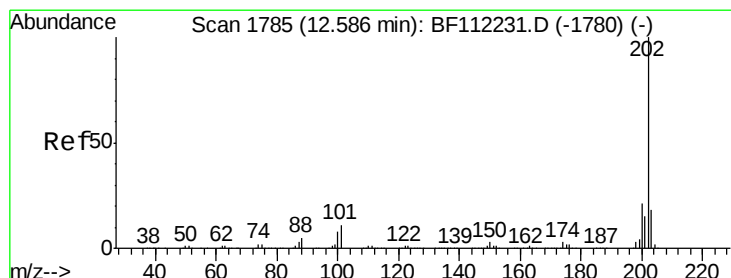
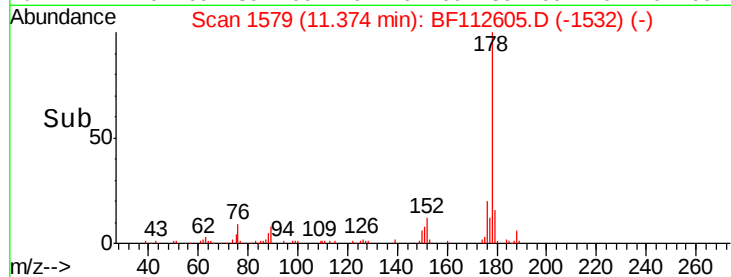
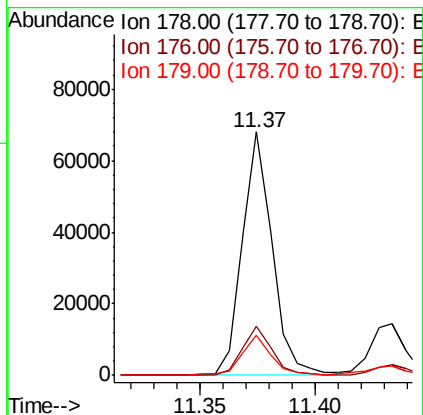
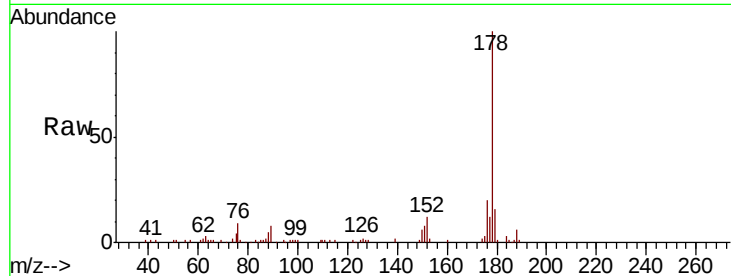




#71
Phenanthrene
Concen: 4.861 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.02 min
Lab File: BF112605.D
Acq: 18 Feb 2019 17:12

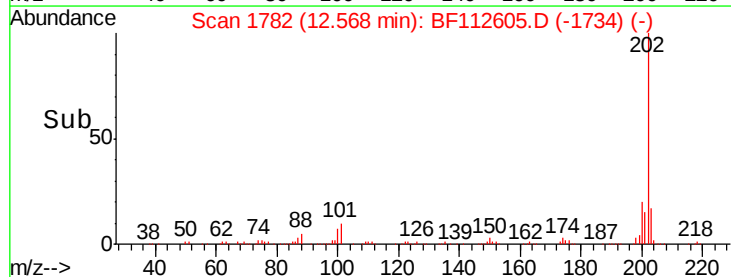
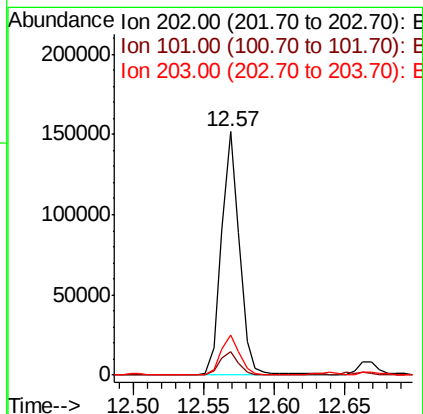
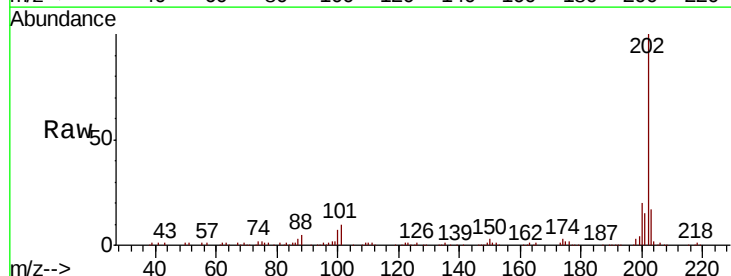
Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-6

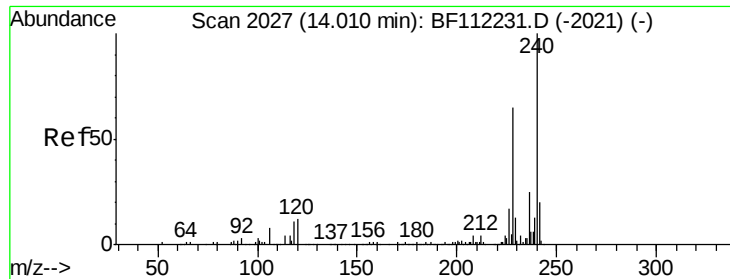
Tgt Ion:178 Resp: 61885
Ion Ratio Lower Upper
178 100
176 20.4 16.3 24.5
179 16.4 13.0 19.4



#75
Fluoranthene
Concen: 9.908 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.02 min
Lab File: BF112605.D
Acq: 18 Feb 2019 17:12

Tgt Ion:202 Resp: 135310
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.8
203 16.7 0.0 38.4

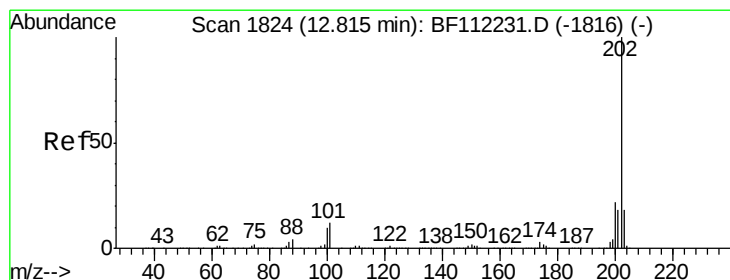
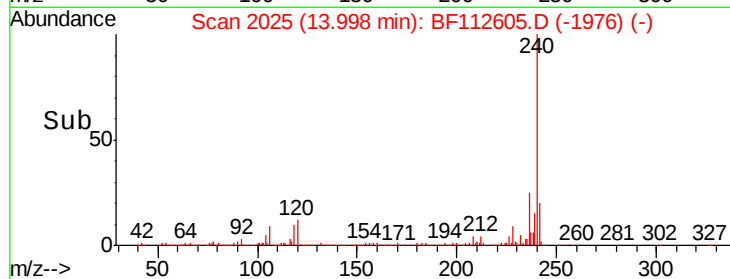
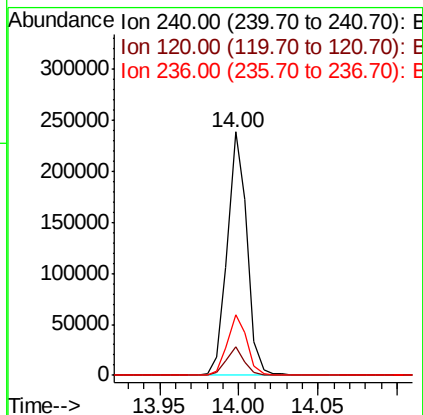
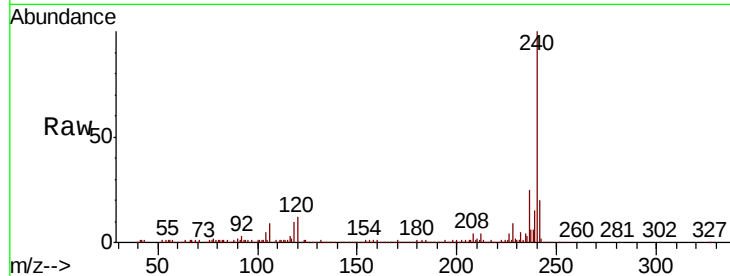




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112605.D
Acq: 18 Feb 2019 17:12

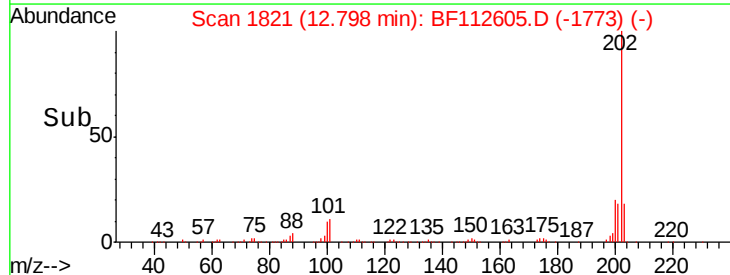
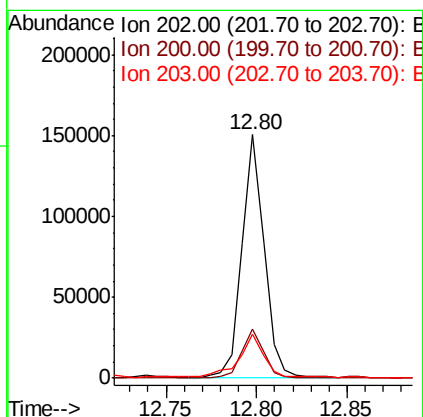
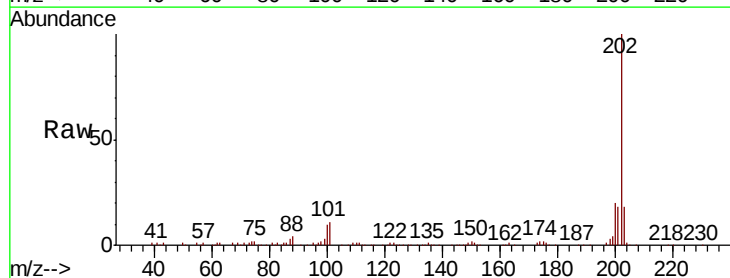
Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-6

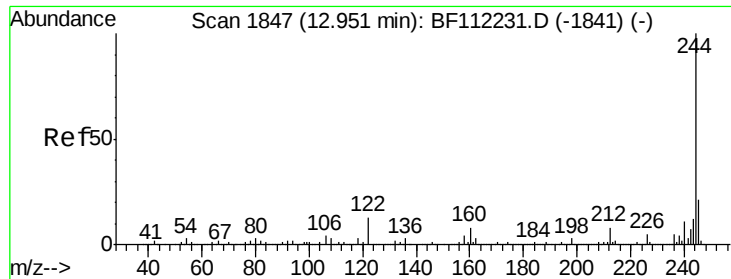
Tgt Ion:240 Resp: 205036
Ion Ratio Lower Upper
240 100
120 11.6 9.0 13.6
236 25.1 20.7 31.1



#78
Pyrene
Concen: 9.151 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.02 min
Lab File: BF112605.D
Acq: 18 Feb 2019 17:12

Tgt Ion:202 Resp: 129910
Ion Ratio Lower Upper
202 100
200 20.1 17.7 26.5
203 18.1 14.6 22.0

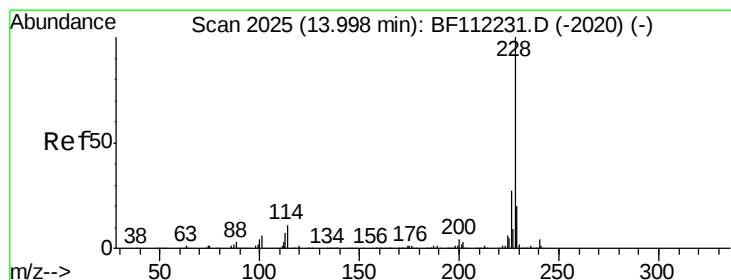
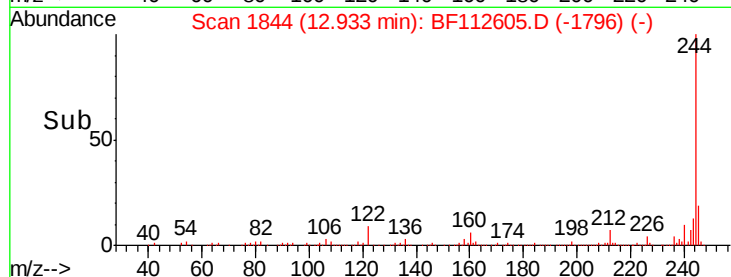
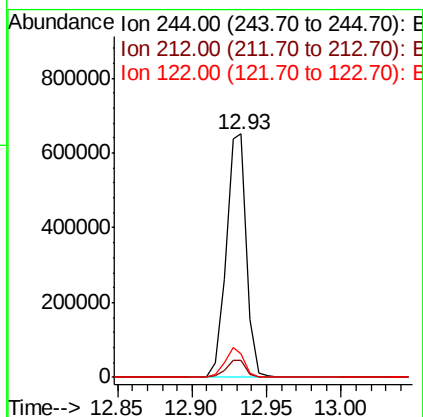
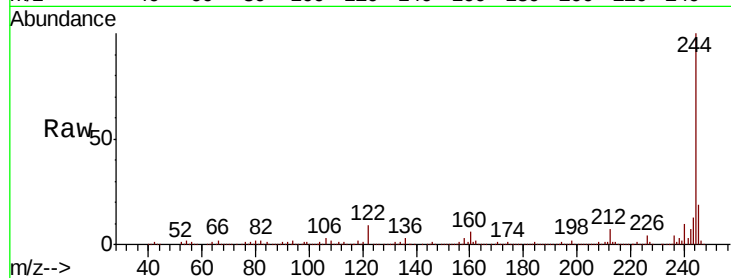




#79
 Terphenyl-d14
 Concen: 57.417 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.02 min
 Lab File: BF112605.D
 Acq: 18 Feb 2019 17:12

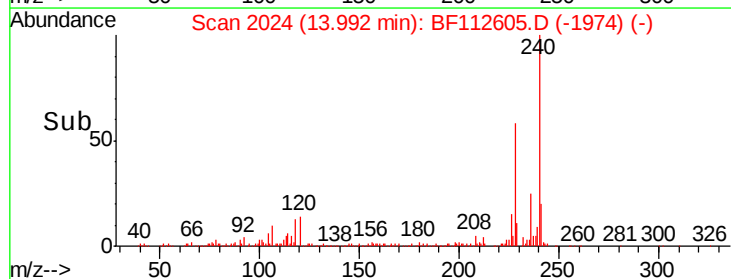
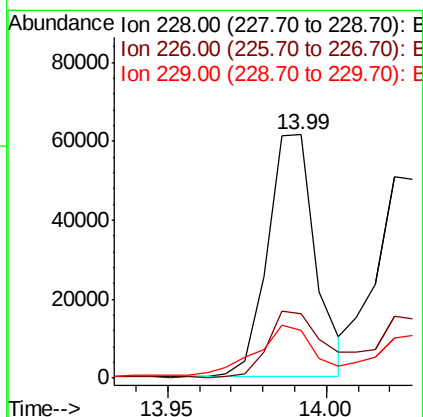
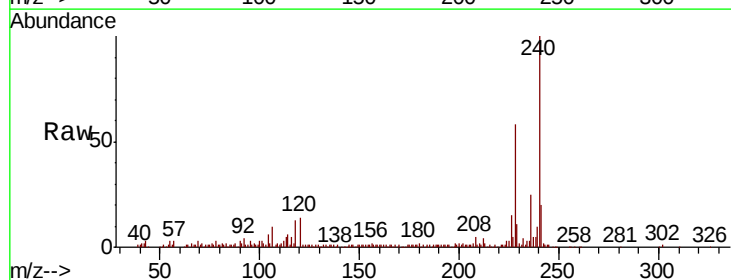
Instrument :
 BNA_F
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-6

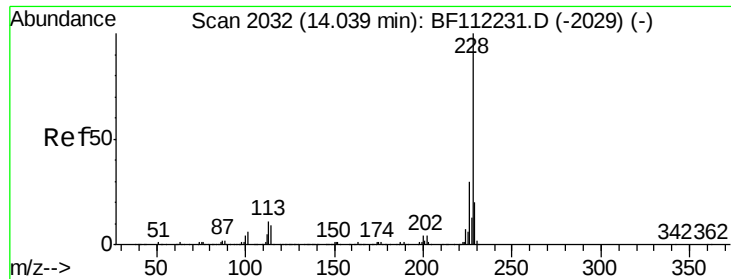
Tgt Ion:244 Resp: 625052
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 9.4 9.8 14.6#



#81
 Benzo(a)anthracene
 Concen: 5.405 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF112605.D
 Acq: 18 Feb 2019 17:12

Tgt Ion:228 Resp: 65147
 Ion Ratio Lower Upper
 228 100
 226 26.6 22.6 34.0
 229 19.5 16.5 24.7





#83

Chrysene

Concen: 5.145 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.02 min

Lab File: BF112605.D

Acq: 18 Feb 2019 17:12

Instrument :

BNA_F

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-6

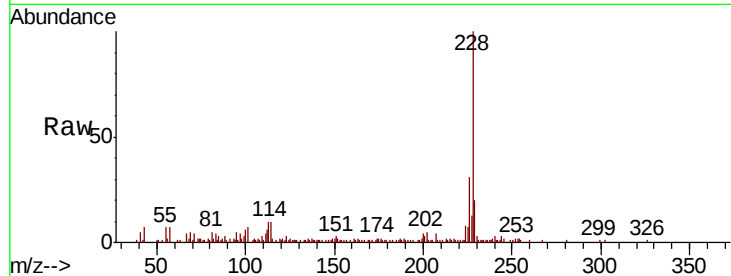
Tgt Ion: 228 Resp: 59189

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

229 20.1 16.6 24.8

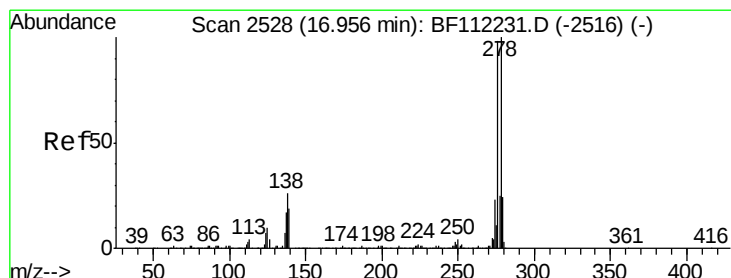
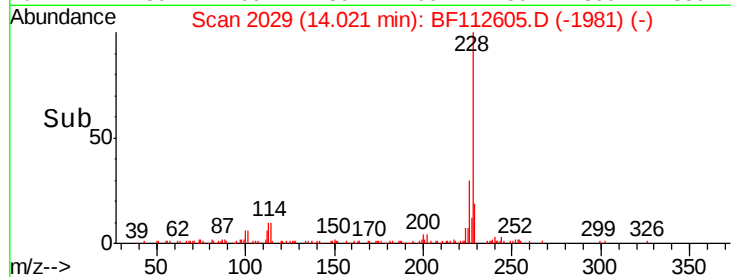
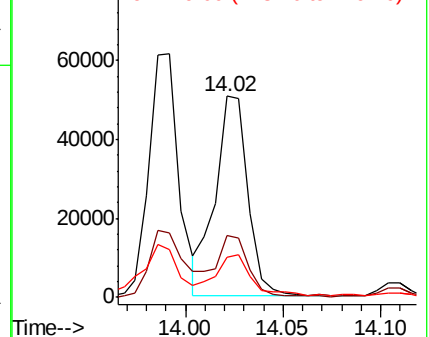


Abundance

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

Indeno(1,2,3-cd)pyrene

Concen: 3.321 ng

RT: 16.97 min Scan# 2531

Delta R.T. 0.02 min

Lab File: BF112605.D

Acq: 18 Feb 2019 17:12

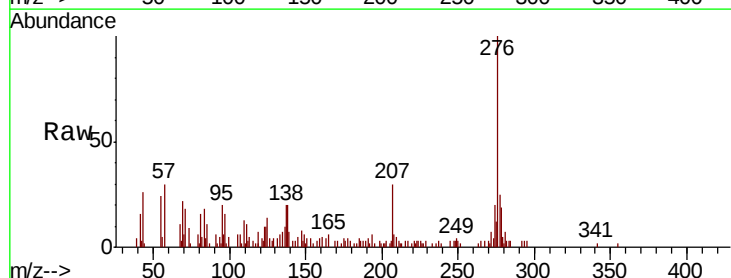
Tgt Ion: 276 Resp: 30274

Ion Ratio Lower Upper

276 100

138 27.7 22.6 34.0

277 23.9 20.3 30.5

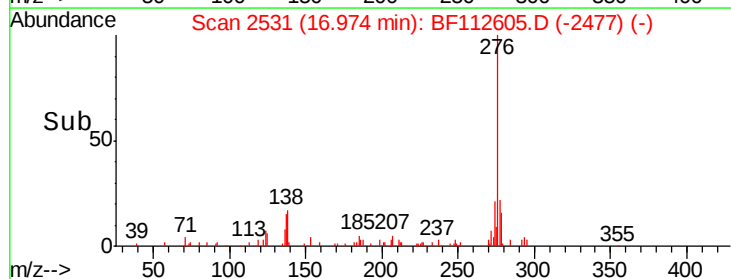
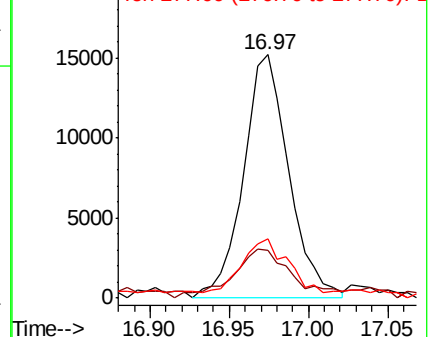


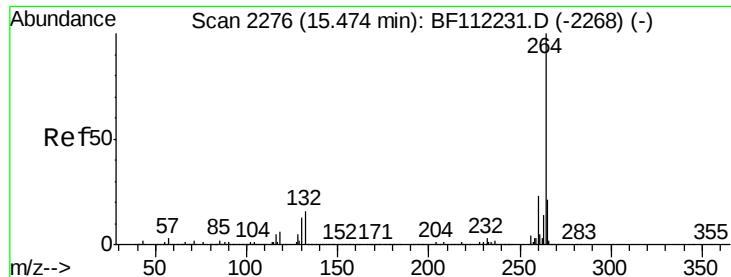
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2276

Delta R.T. 0.00 min

Lab File: BF112605.D

Acq: 18 Feb 2019 17:12

Instrument :

BNA_F

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-6

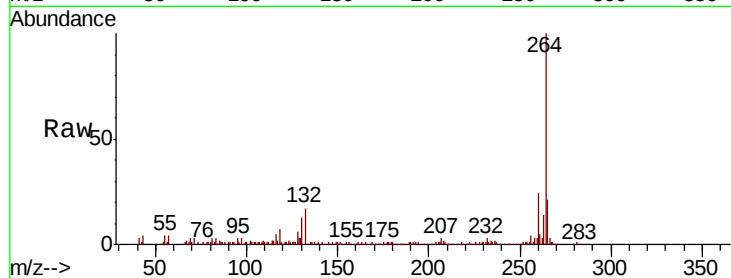
Tgt Ion:264 Resp: 164135

Ion Ratio Lower Upper

264 100

260 23.8 18.2 27.2

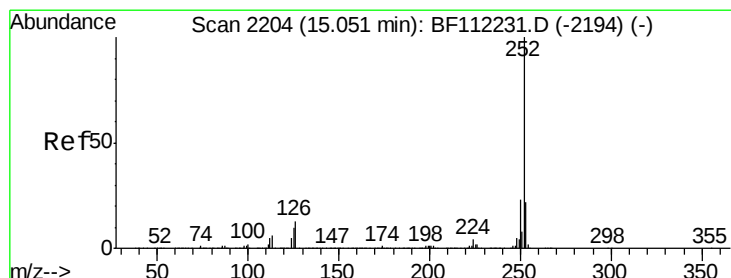
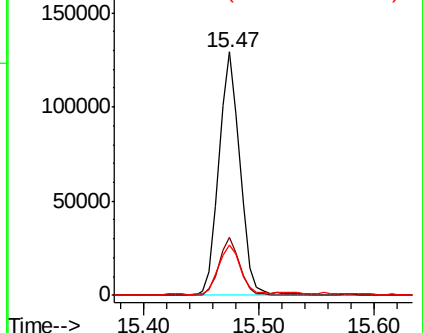
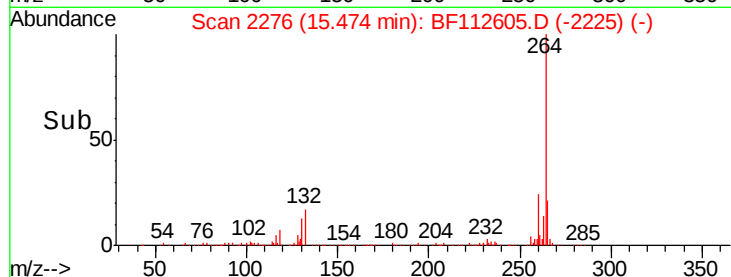
265 20.8 17.0 25.4



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



#88

Benzo(b)fluoranthene

Concen: 9.013 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF112605.D

Acq: 18 Feb 2019 17:12

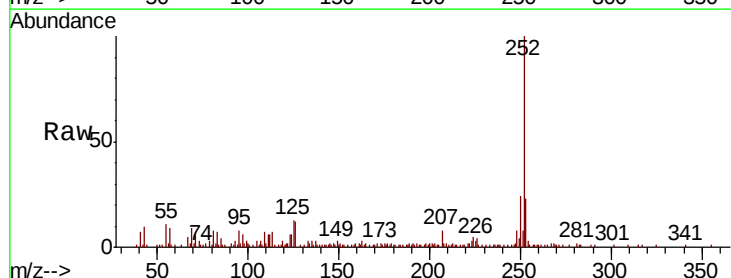
Tgt Ion:252 Resp: 88469

Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

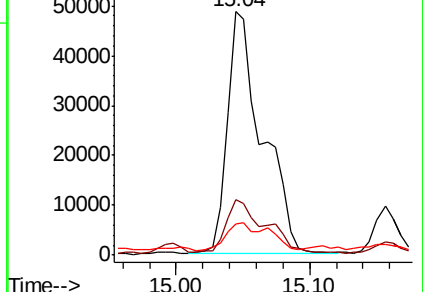
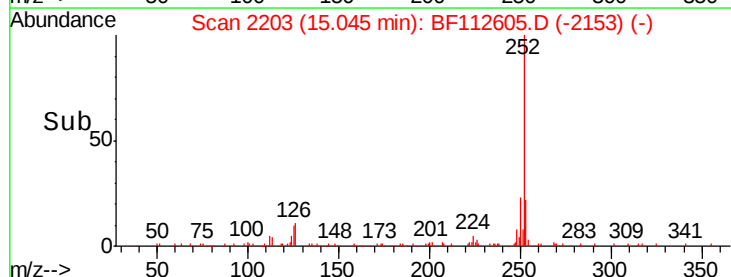
125 12.6 8.7 13.1

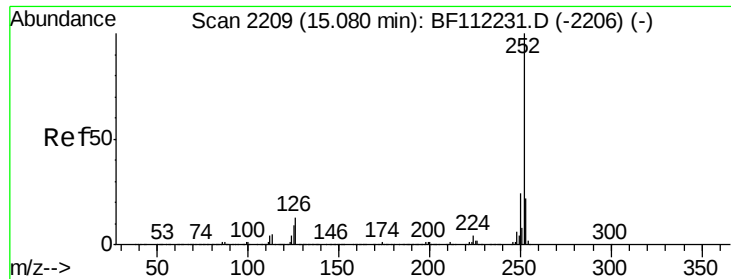


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

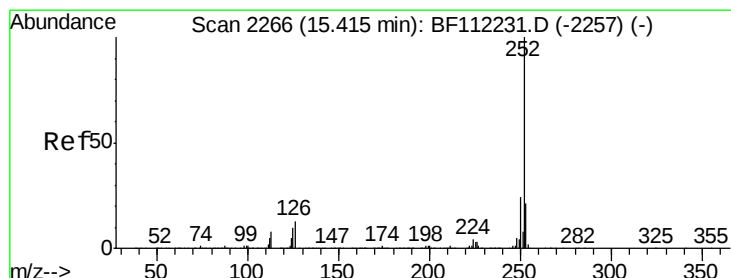
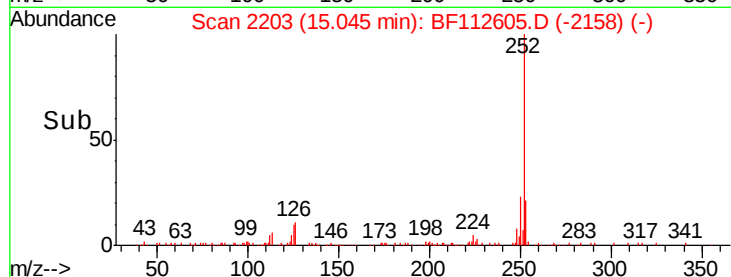
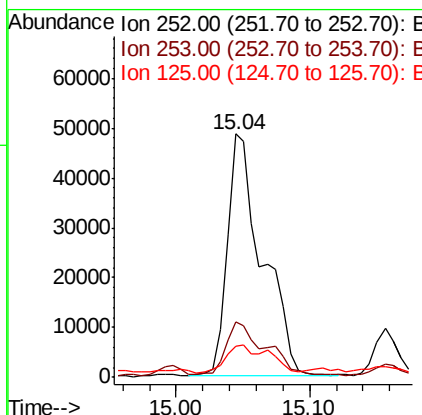
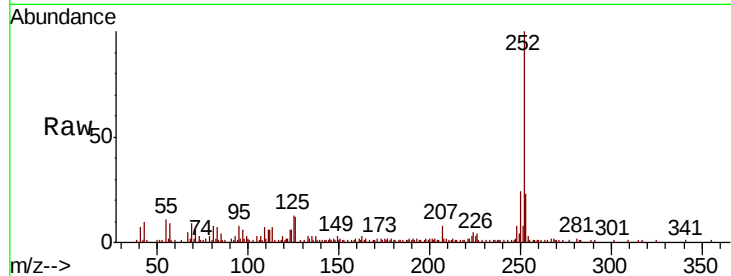




#89
Benzo(k)fluoranthene
Concen: 9.409 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF112605.D
Acq: 18 Feb 2019 17:12

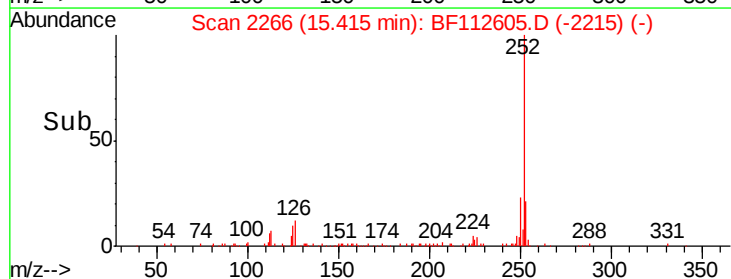
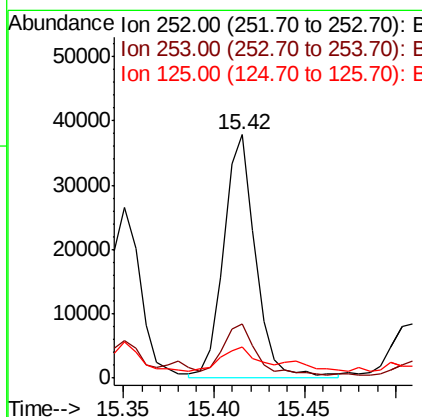
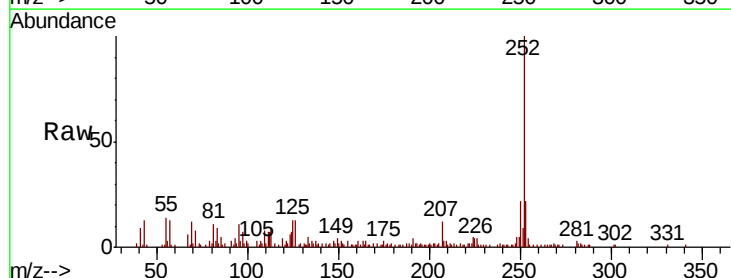
Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-6

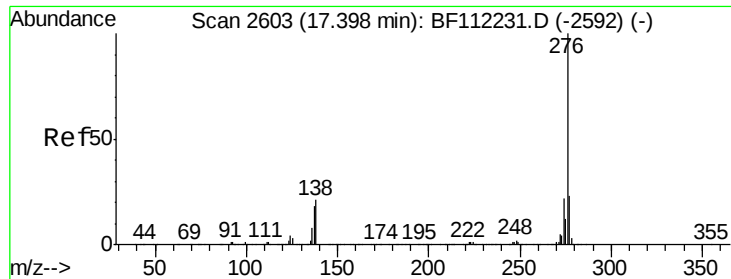
Tgt Ion:252 Resp: 88469
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 12.6 9.1 13.7



#90
Benzo(a)pyrene
Concen: 5.273 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.00 min
Lab File: BF112605.D
Acq: 18 Feb 2019 17:12

Tgt Ion:252 Resp: 46569
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 12.9 9.0 13.4





#92
 Benzo(g,h,i)perylene
 Concen: 4.212 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. 0.03 min
 Lab File: BF112605.D
 Acq: 18 Feb 2019 17:12

Instrument :
 BNA_F
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-6

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.4	29.0
138	25.7	19.1	28.7

