

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
 Data File : BF104643.D
 Acq On : 19 Apr 2018 22:04
 Operator : JU/SJ
 Sample : J2439-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 20 00:58:22 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 14:44:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	145462	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	575011	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	235445	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	345890	20.00	ng	0.00
75) Chrysene-d12	13.98	240	289005	20.00	ng	0.00
86) Perylene-d12	15.44	264	209716	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	835641	87.84	ng	0.00
7) Phenol-d6	6.45	99	997415	85.33	ng	0.00
23) Nitrobenzene-d5	7.37	82	616800	70.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	199435	81.66	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	885978	59.45	ng	0.00
78) Terphenyl-d14	12.92	244	609353	48.07	ng	0.00

Target Compounds

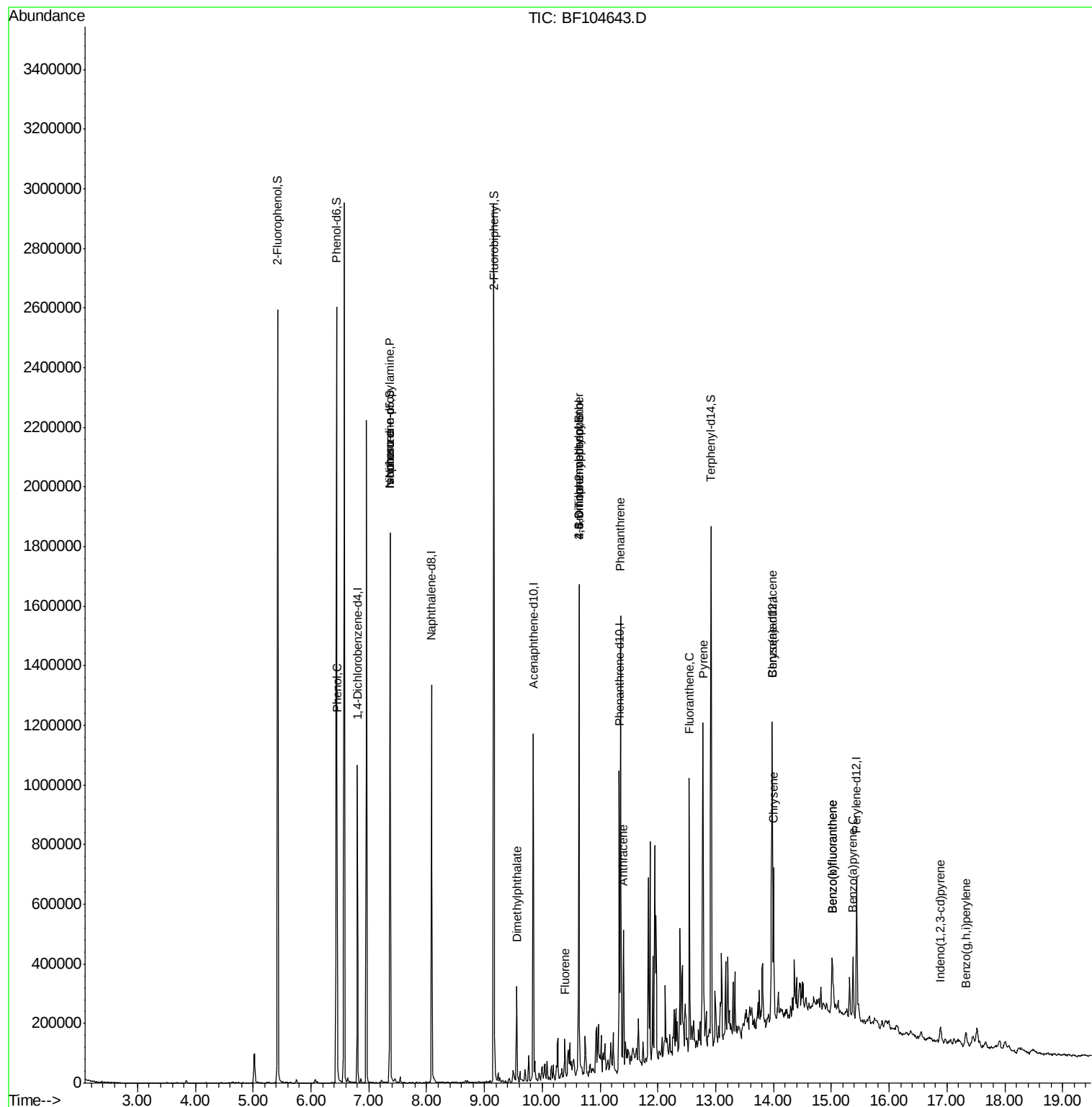
						Qvalue
9) Benzaldehyde	6.45	77	1892	Below Cal	#	1
10) Phenol	6.46	94	52616	4.243 ng		93
19) n-Nitroso-di-n-propylamine	7.37	70	80838	10.584 ng	#	74
25) Isophorone	7.37	82	616790	33.123 ng	#	64
49) Dimethylphthalate	9.56	163	119834	6.454 ng		100
57) Fluorene	10.39	166	33721	2.223 ng		100
64) 4,6-Dinitro-2-methylphenol	10.63	198	480	7.588 ng	#	1
66) 4-Bromophenyl-phenylether	10.63	248	12168	3.307 ng	#	1
70) Phenanthrene	11.36	178	497422	25.823 ng		99
71) Anthracene	11.40	178	174909	8.933 ng		99
74) Fluoranthene	12.54	202	320275	15.914 ng		100
76) Benzidine	12.92	184	8386	Below Cal		96
77) Pvrene	12.78	202	487669	22.765 ng		99
80) Benzo(a)anthracene	13.97	228	188905	10.941 ng		97
82) Chrysene	14.00	228	193517	10.912 ng		99
85) Indeno(1,2,3-cd)pyrene	16.89	276	32017	2.125 ng		96
87) Benzo(b)fluoranthene	15.02	252	127953	9.660 ng	#	93
88) Benzo(k)fluoranthene	15.02	252	127953	10.232 ng	#	96
89) Benzo(a)pvrene	15.37	252	92617	7.815 ng	#	96
91) Benzo(a,h,i)perylene	17.33	276	36132	3.832 ng		95

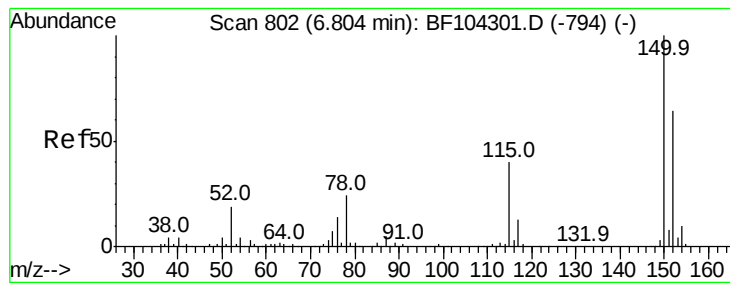
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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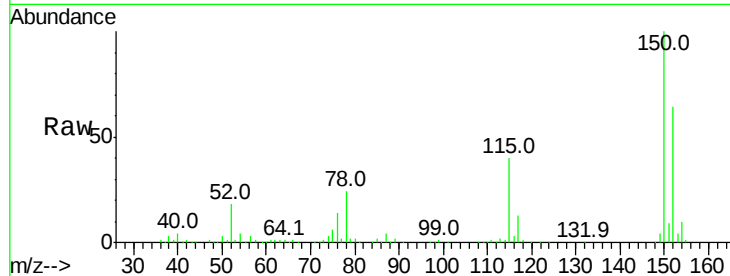


#1

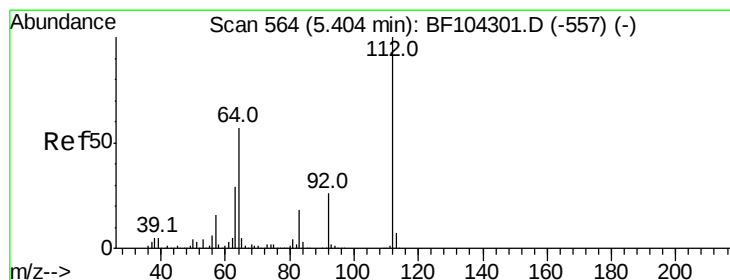
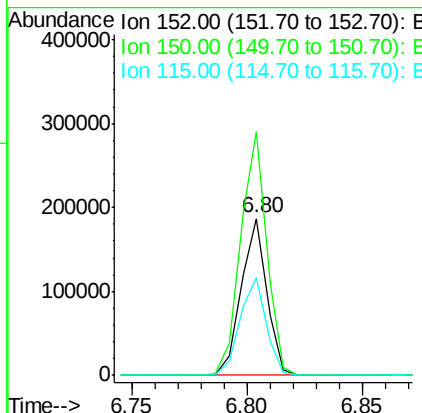
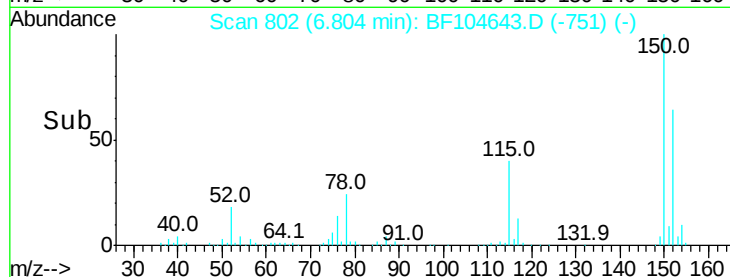
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104643.D
Acq: 19 Apr 2018 22:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 145462
Ion Ratio Lower Upper
152 100
150 155.2 124.6 186.8
115 62.2 50.1 75.1



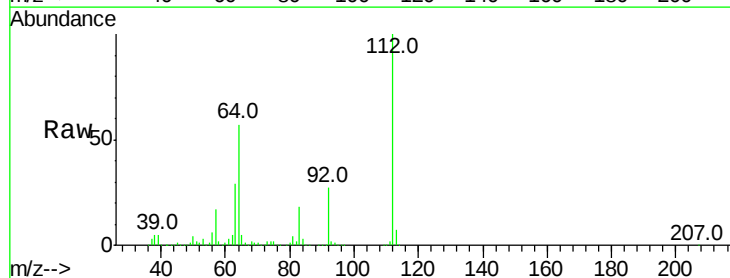
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



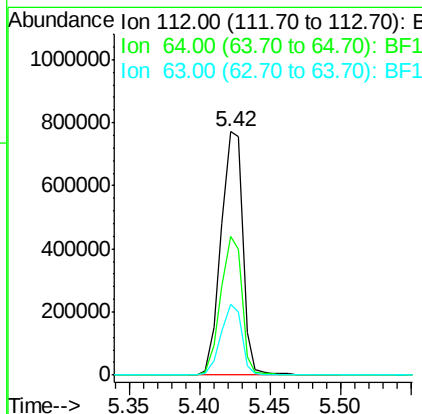
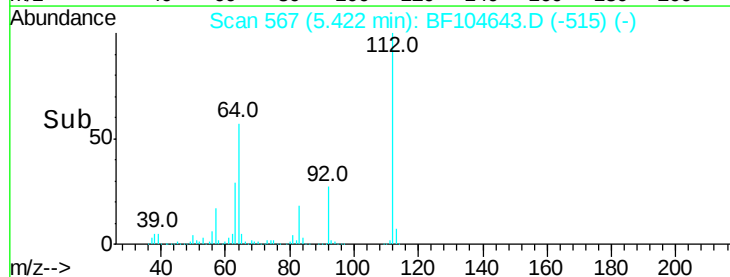
#5

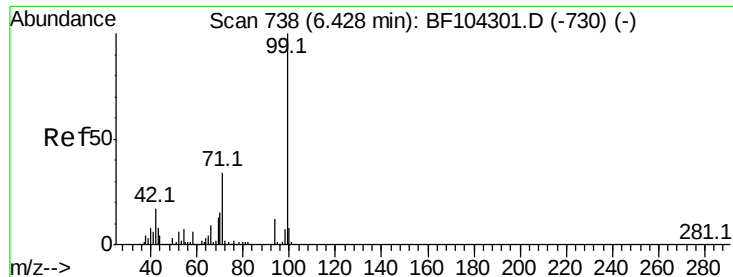
2-Fluorophenol
Concen: 87.840 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104643.D
Acq: 19 Apr 2018 22:04

Tgt Ion:112 Resp: 835641
Ion Ratio Lower Upper
112 100
64 56.9 47.9 71.9
63 29.2 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: 85.332 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104643.D

Acq: 19 Apr 2018 22:04

Instrument :

BNA_F

ClientSampleId :

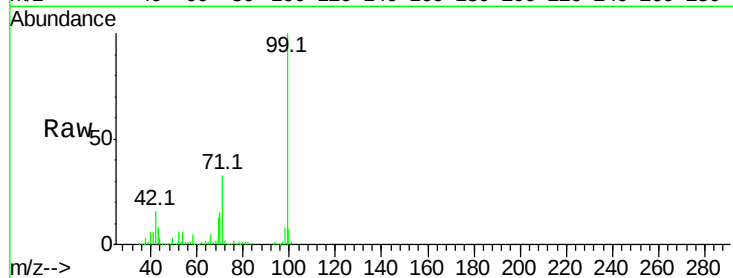
Tot Ion: 99 Resp: 997415

Ion Ratio Lower Upper

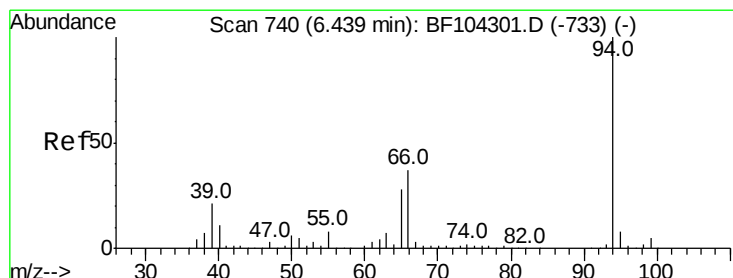
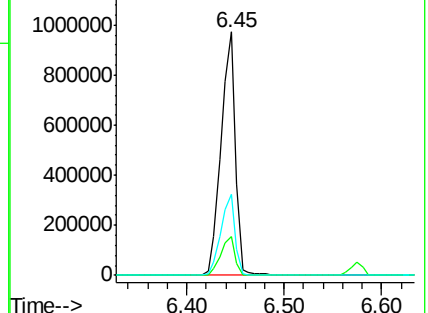
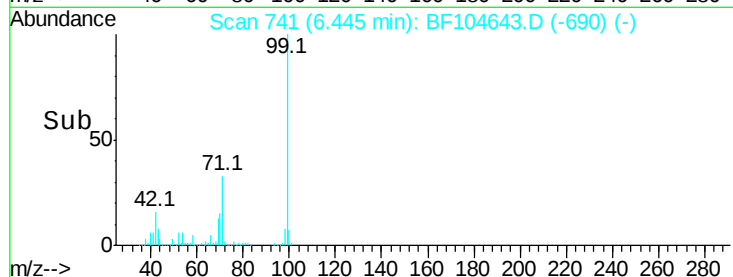
99 100

42 15.8 14.5 21.7

71 33.3 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



#10

Phenol

Concen: 4.243 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF104643.D

Acq: 19 Apr 2018 22:04

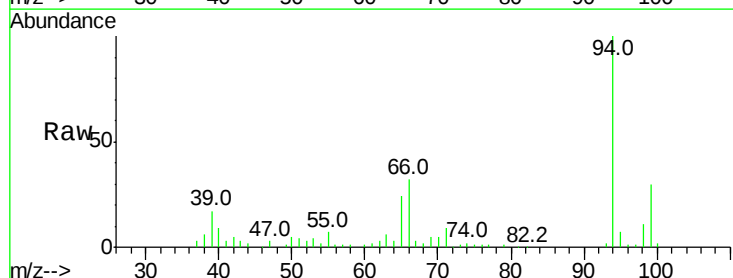
Tgt Ion: 94 Resp: 52616

Ion Ratio Lower Upper

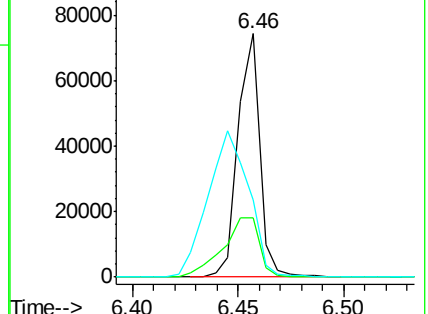
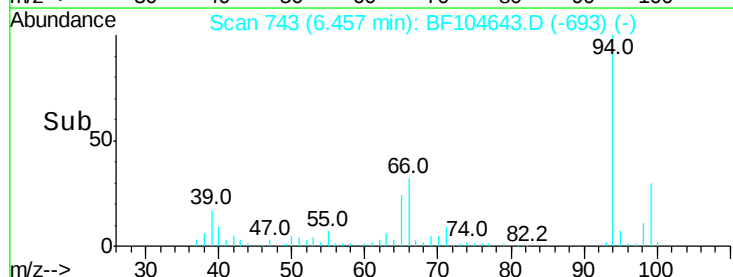
94 100

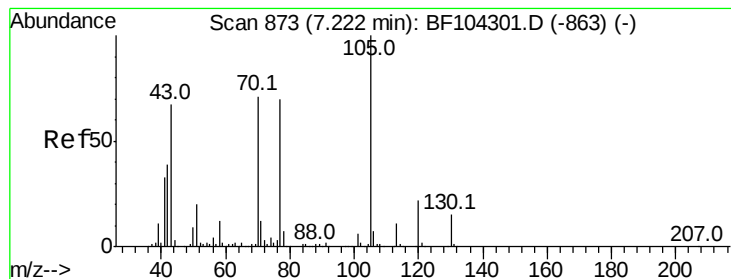
65 24.5 7.9 47.9

66 31.9 16.2 56.2



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: 10.584 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF104643.D

Acq: 19 Apr 2018 22:04

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 80838

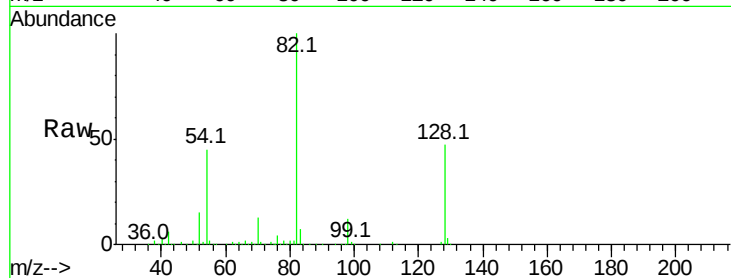
Ion Ratio Lower Upper

70 100

42 43.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

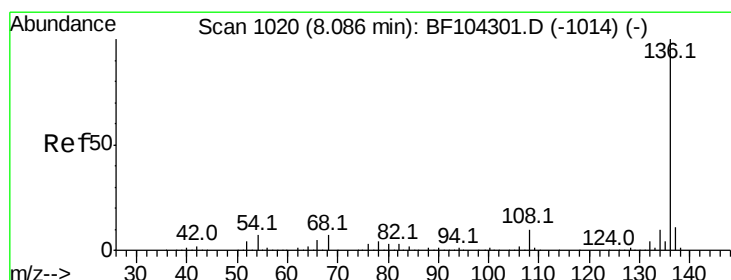
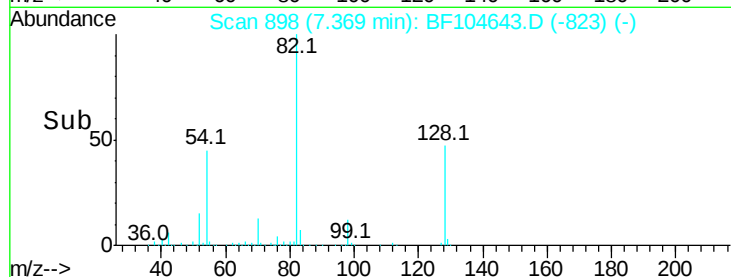
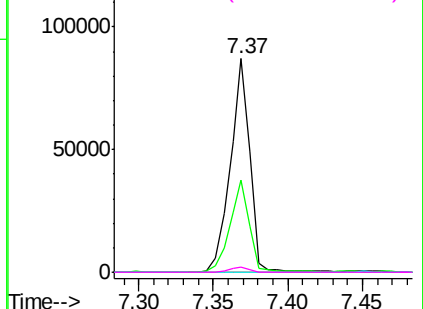


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF104643.D

Acq: 19 Apr 2018 22:04

Tgt Ion:136 Resp: 575011

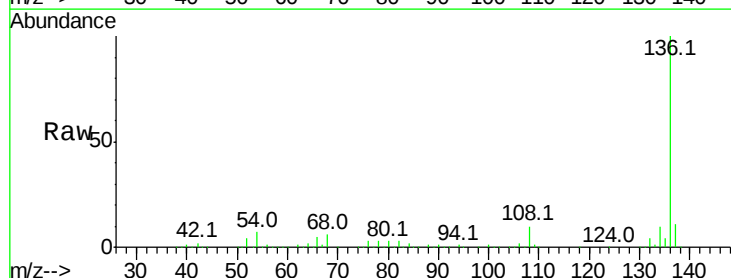
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.8 6.6 9.8

68 5.8 5.0 7.4

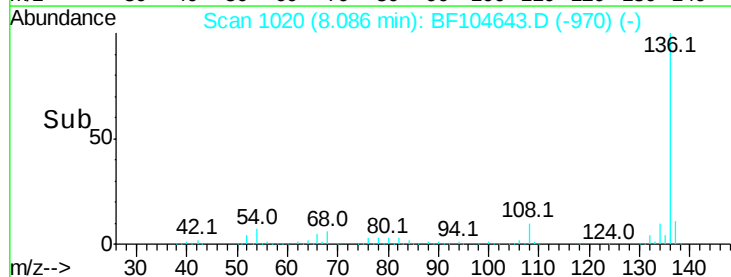
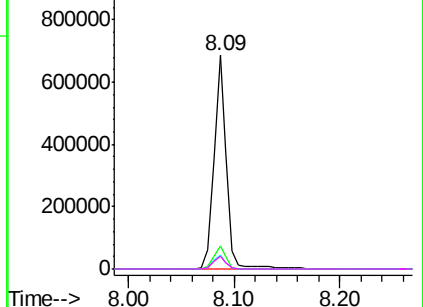


Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

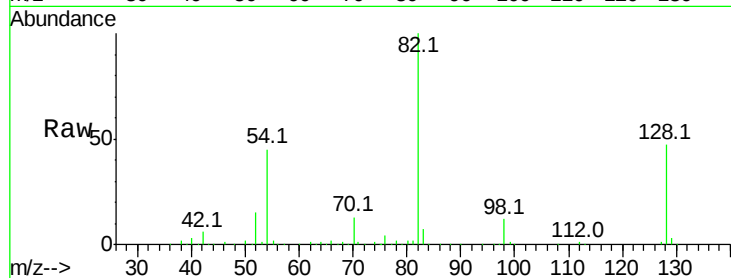




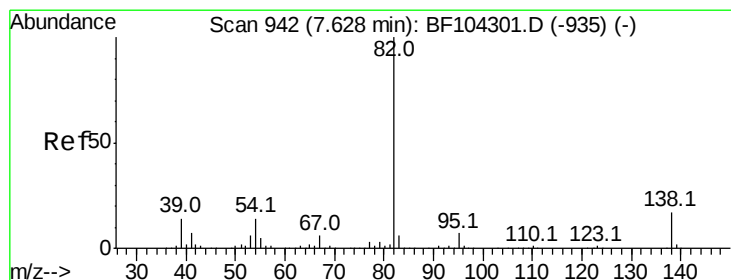
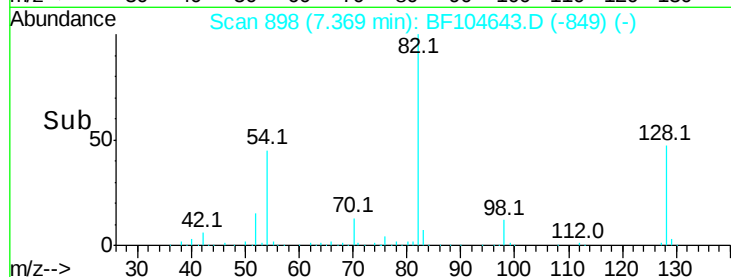
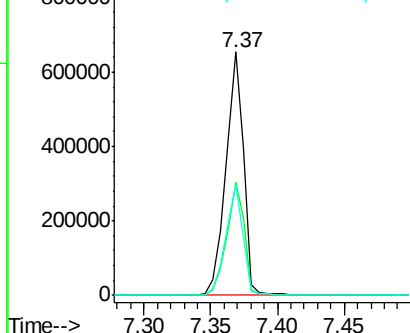
#23
Nitrobenzene-d5
Concen: 70.044 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104643.D
Acq: 19 Apr 2018 22:04

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 616800
Ion Ratio Lower Upper
82 100
128 46.6 36.1 54.1
54 45.5 41.4 62.2

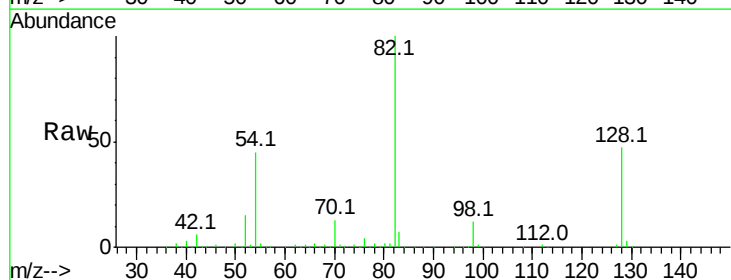


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

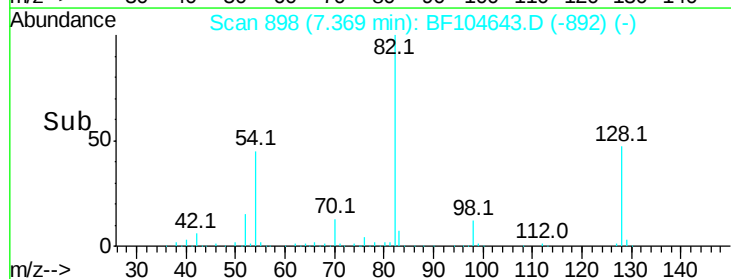
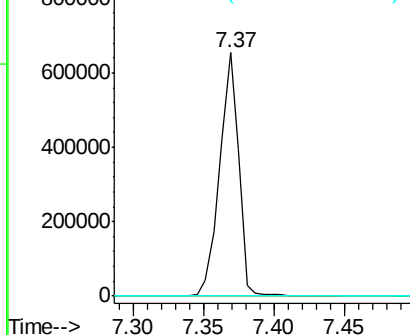


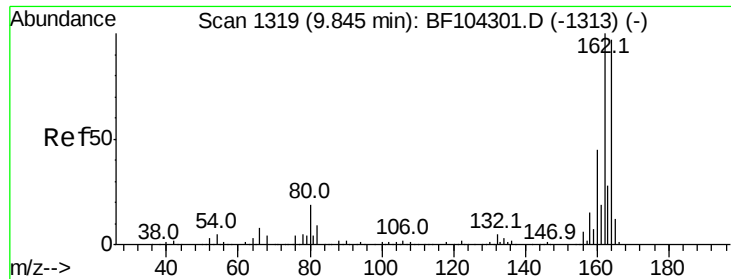
#25
Isophorone
Concen: 33.123 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF104643.D
Acq: 19 Apr 2018 22:04

Tgt Ion: 82 Resp: 616790
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

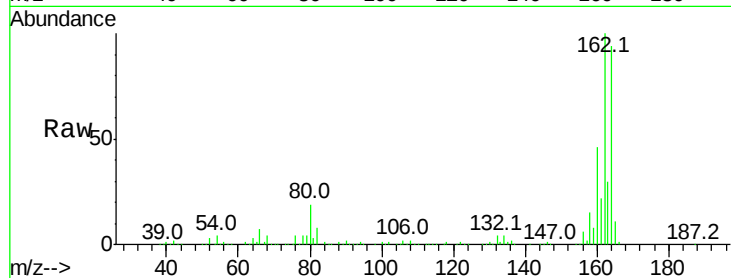




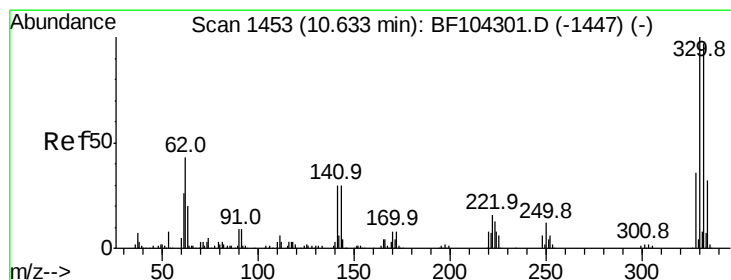
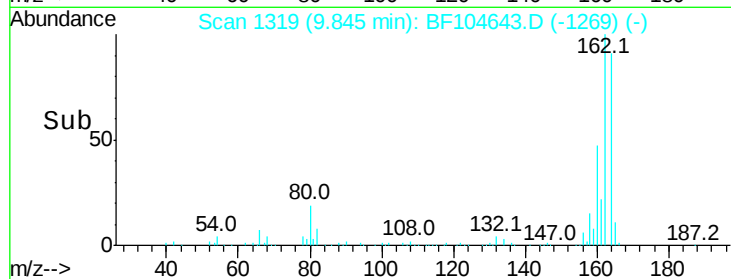
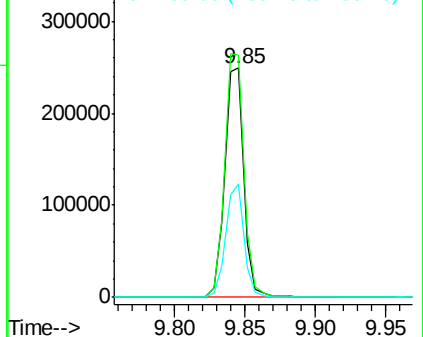
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF104643.D
 Acq: 19 Apr 2018 22:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.9	86.1	129.1
160	49.2	38.3	57.5

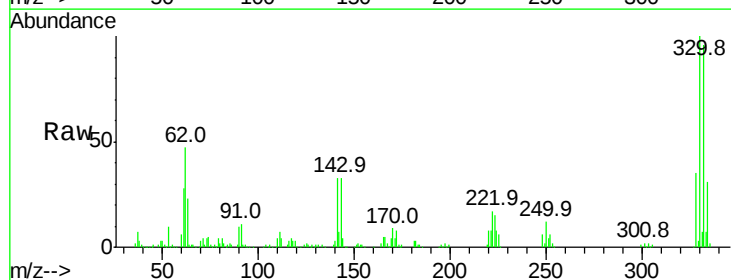


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

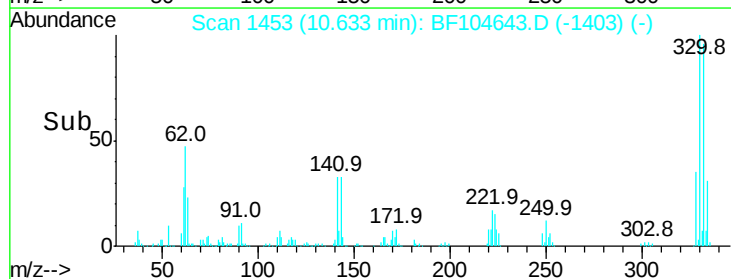
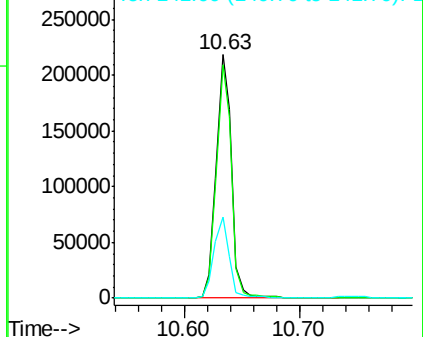


#41
 2,4,6-Tribromophenol
 Concen: 81.658 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104643.D
 Acq: 19 Apr 2018 22:04

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	33.9	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

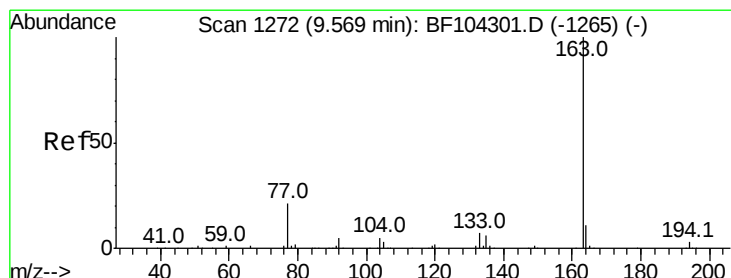
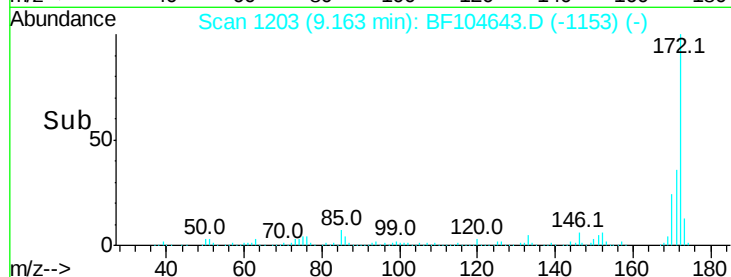
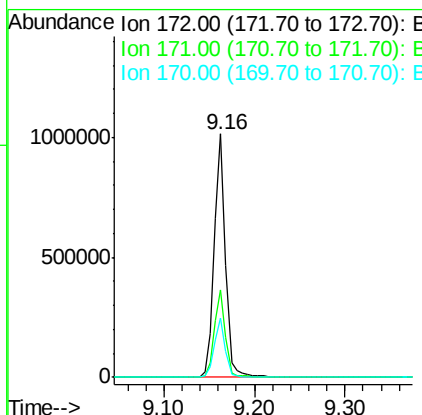
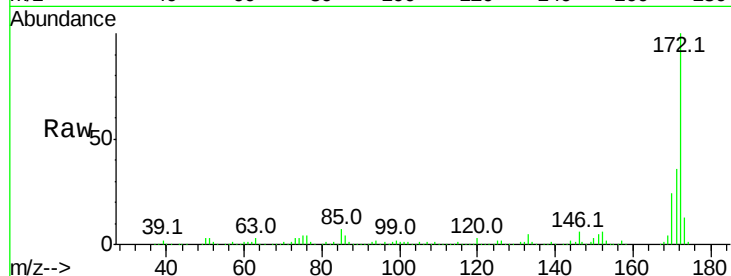




#44
 2-Fluorobiphenyl
 Concen: 59.446 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104643.D
 Acq: 19 Apr 2018 22:04

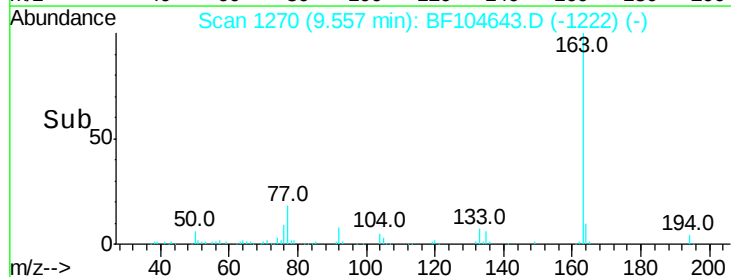
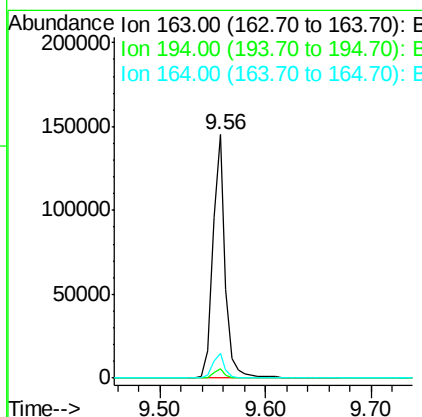
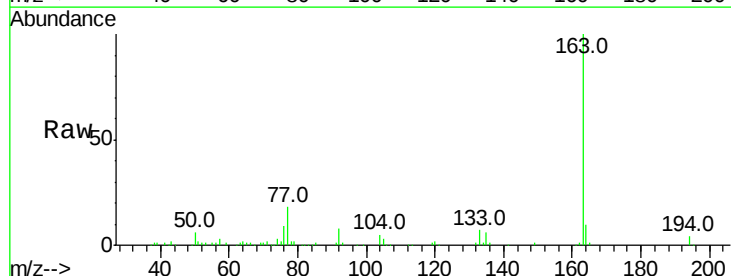
Instrument :
 BNA_F
 ClientSampleId :

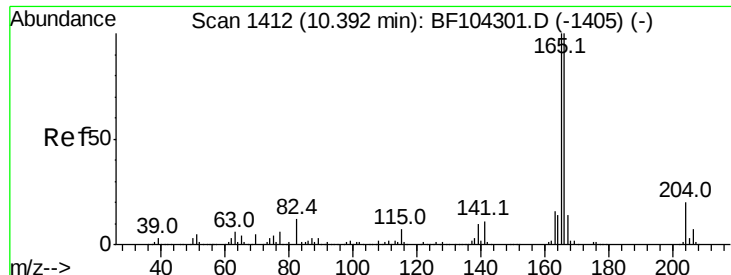
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.4	19.6	29.4



#49
 Dimethylphthalate
 Concen: 6.454 ng
 RT: 9.56 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: BF104643.D
 Acq: 19 Apr 2018 22:04

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.3	8.2	12.2

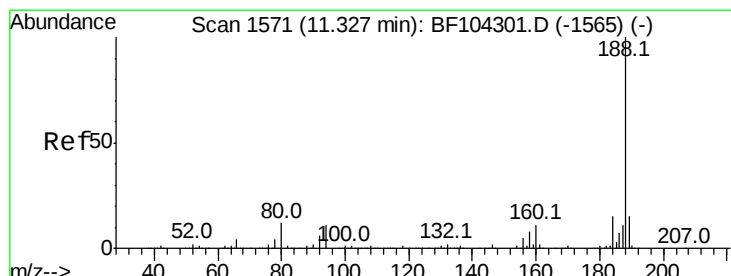
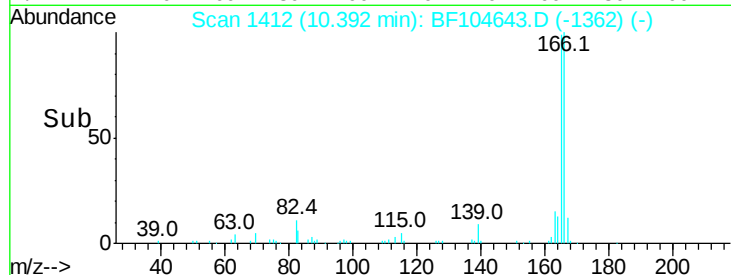
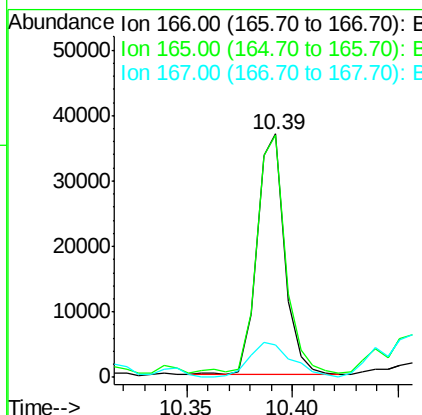
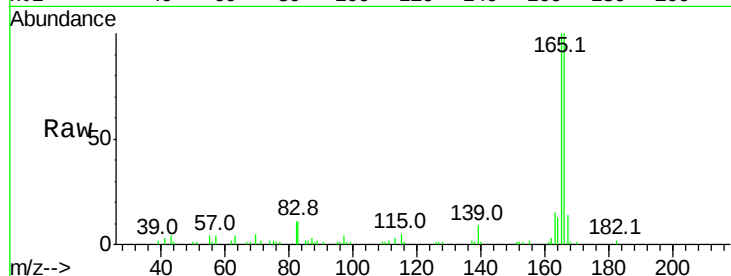




#57
Fluorene
 Concen: 2.223 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: BF104643.D
 Acq: 19 Apr 2018 22:04

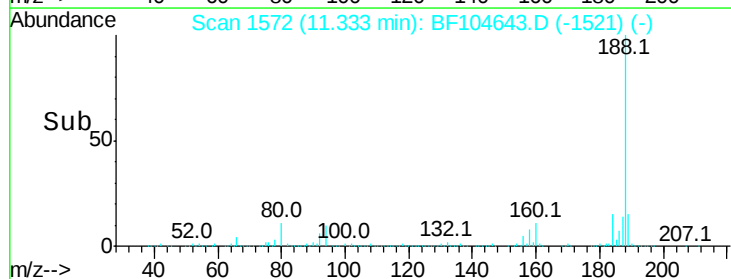
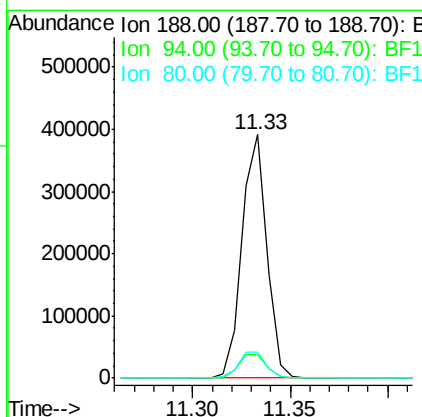
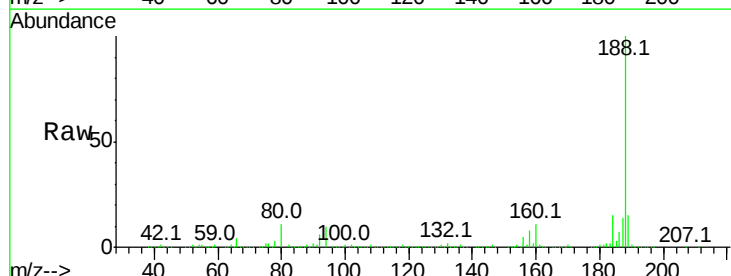
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 33721
 Ion Ratio Lower Upper
 166 100
 165 99.7 79.8 119.8
 167 13.5 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF104643.D
 Acq: 19 Apr 2018 22:04

Tgt Ion:188 Resp: 345890
 Ion Ratio Lower Upper
 188 100
 94 9.9 8.5 12.7
 80 10.7 9.2 13.8

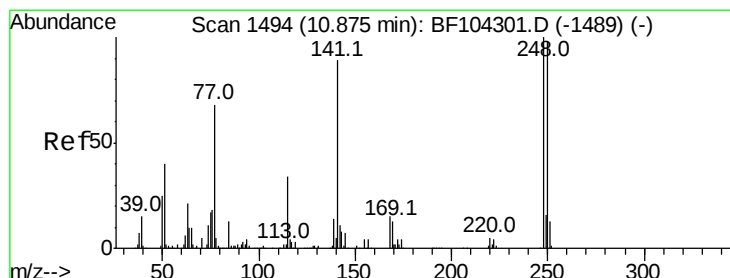
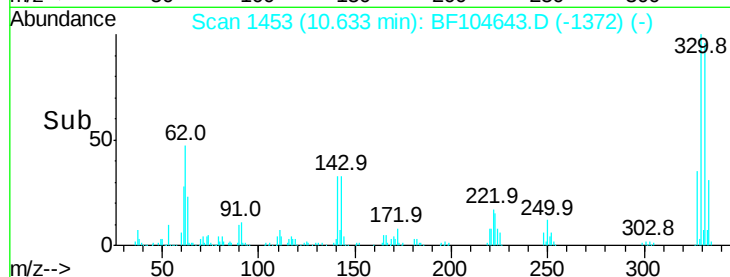
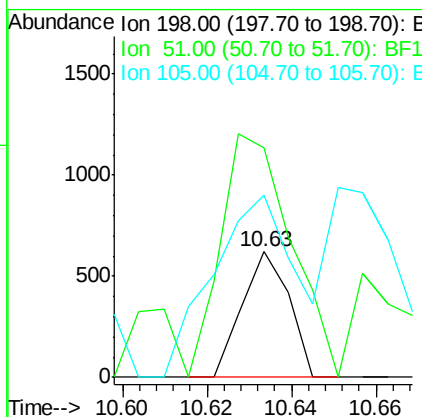
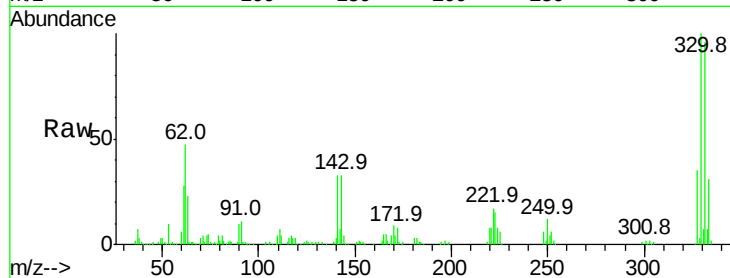




#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.588 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF104643.D
 Acq: 19 Apr 2018 22:04

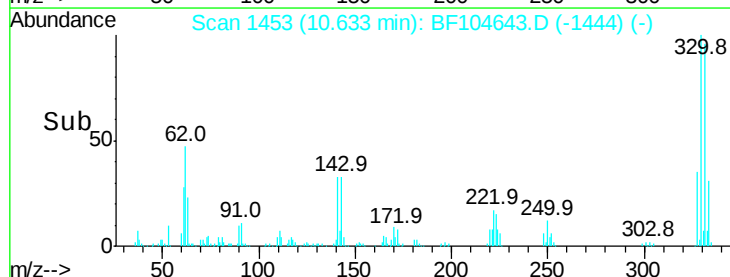
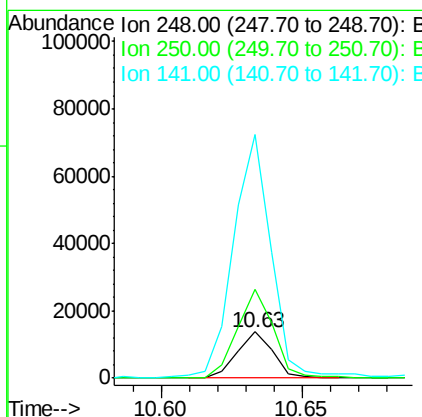
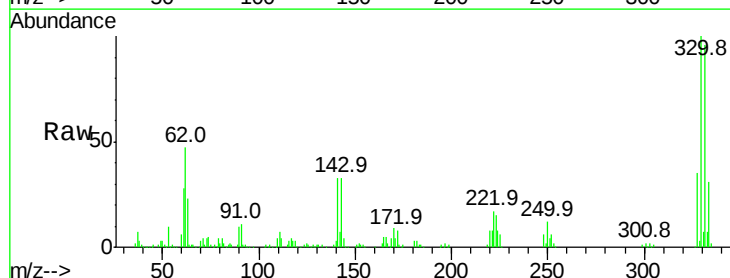
Instrument :
 BNA_F
 ClientSampled :

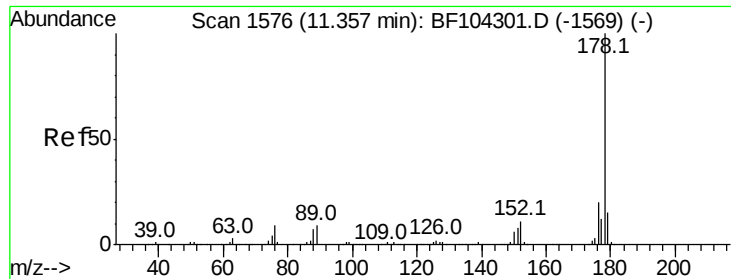
Tot Ion:198 Resp: 480
 Ion Ratio Lower Upper
 198 100
 51 183.3 37.7 77.7#
 105 145.4 36.3 76.3#



#66
 4-Bromophenyl-phenylether
 Concen: 3.307 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.25 min
 Lab File: BF104643.D
 Acq: 19 Apr 2018 22:04

Tgt Ion:248 Resp: 12168
 Ion Ratio Lower Upper
 248 100
 250 191.6 76.9 115.3#
 141 526.7 74.4 111.6#





#70

Phenanthrene

Concen: 25.823 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF104643.D

Acq: 19 Apr 2018 22:04

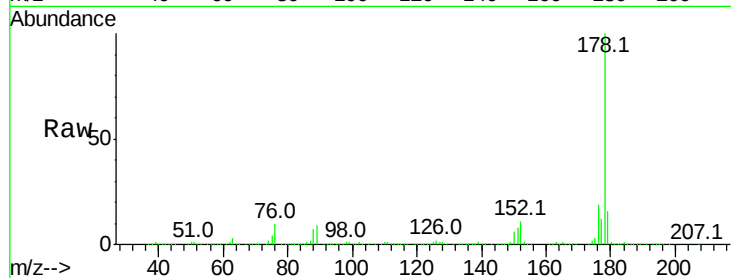
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 497422

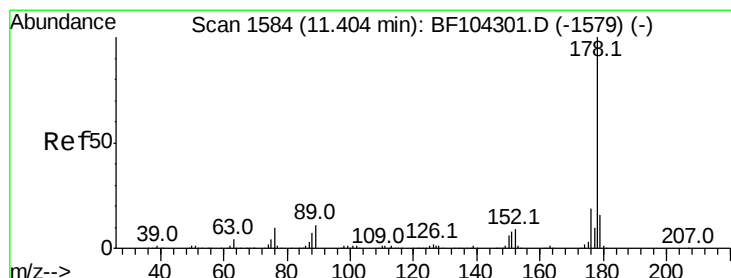
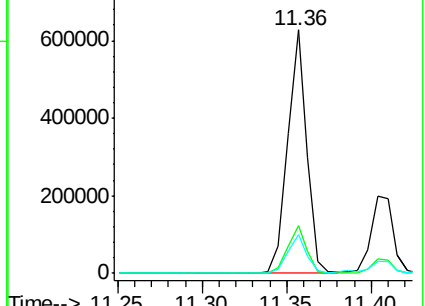
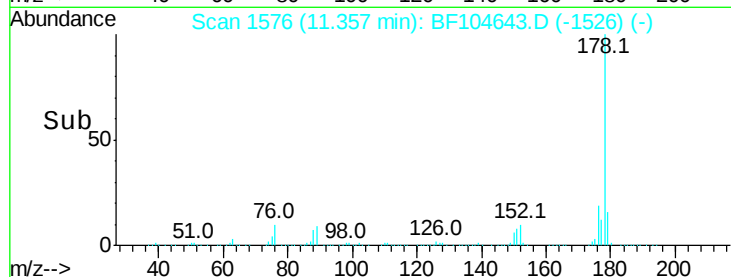
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.8	13.0	19.6



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: 8.933 ng

RT: 11.40 min Scan# 1584

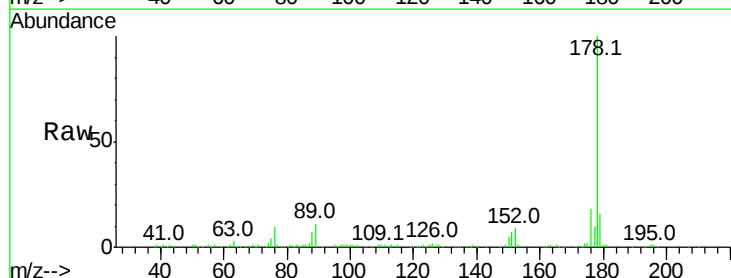
Delta R.T. -0.01 min

Lab File: BF104643.D

Acq: 19 Apr 2018 22:04

Tgt Ion:178 Resp: 174909

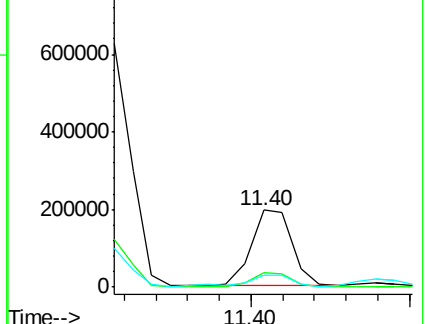
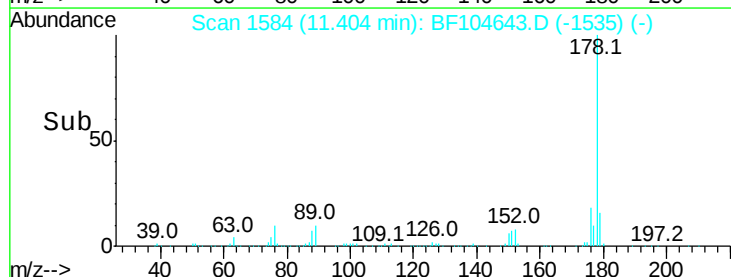
Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.9	12.6	19.0

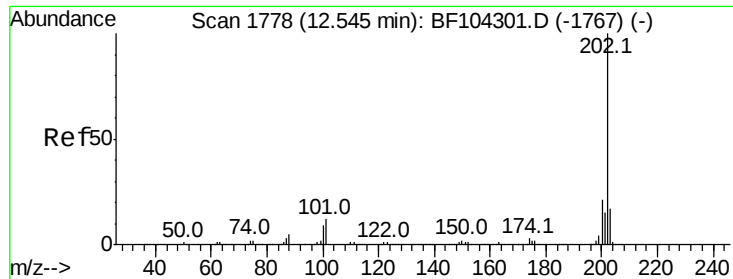


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 15.914 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104643.D

Acq: 19 Apr 2018 22:04

Instrument :

BNA_F

ClientSampleId :

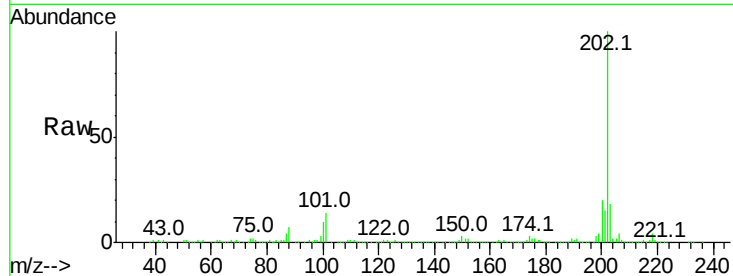
Tot Ion:202 Resp: 320275

Ion Ratio Lower Upper

202 100

101 14.1 0.0 34.1

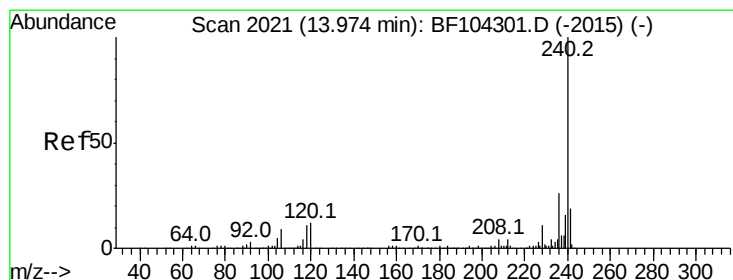
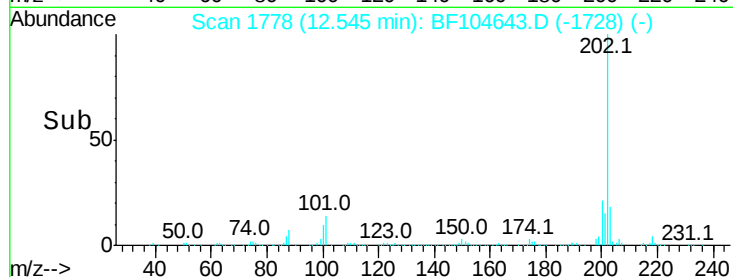
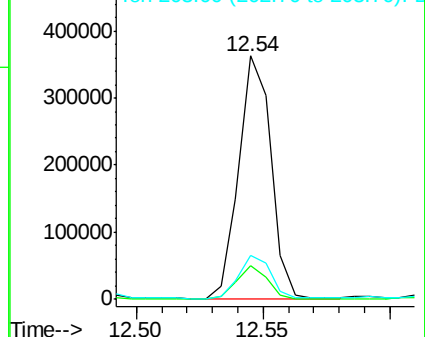
203 17.8 0.0 38.1



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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104643.D

Acq: 19 Apr 2018 22:04

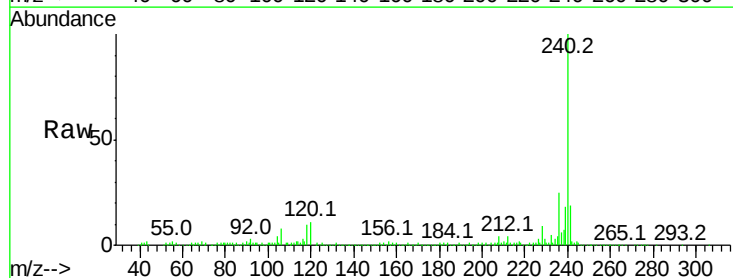
Tgt Ion:240 Resp: 289005

Ion Ratio Lower Upper

240 100

120 11.4 9.5 14.3

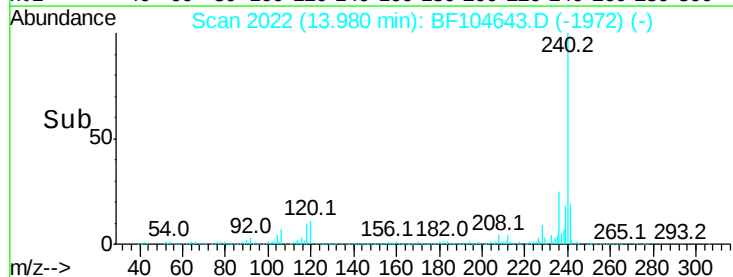
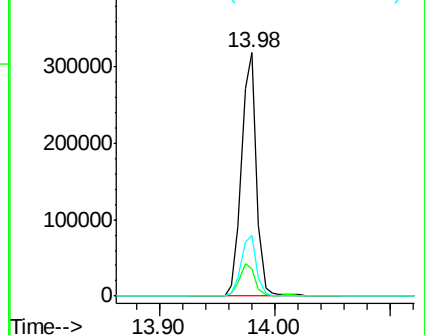
236 25.0 20.7 31.1

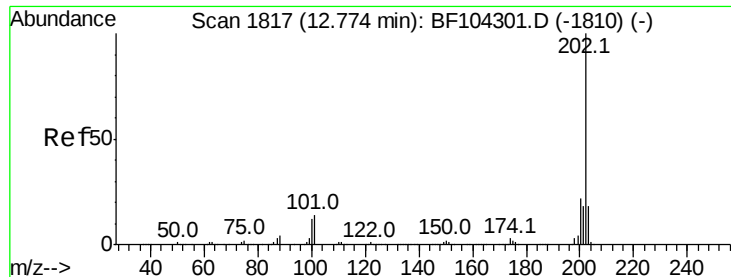


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 22.765 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF104643.D

Acq: 19 Apr 2018 22:04

Instrument :

BNA_F

ClientSampleId :

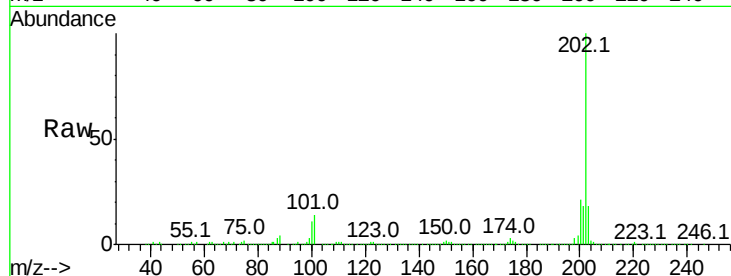
Tot Ion:202 Resp: 487669

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

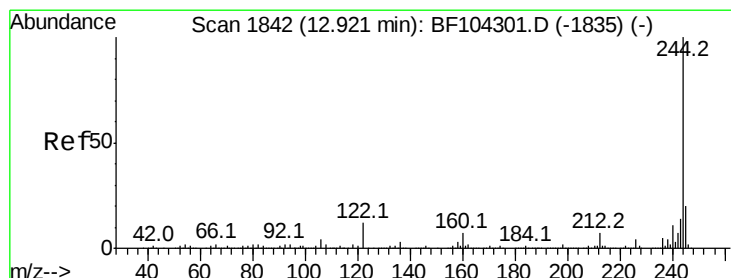
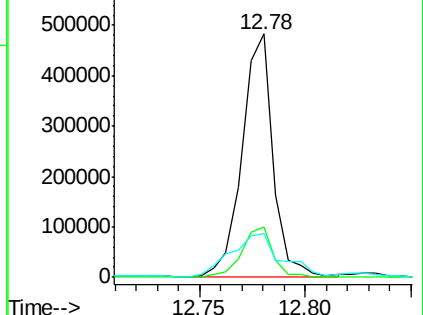
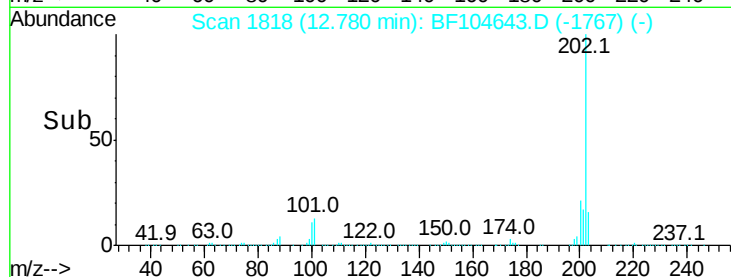
203 18.0 14.3 21.5



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: 48.069 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104643.D

Acq: 19 Apr 2018 22:04

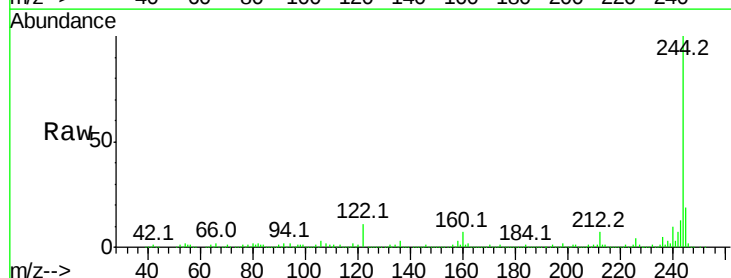
Tgt Ion:244 Resp: 609353

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

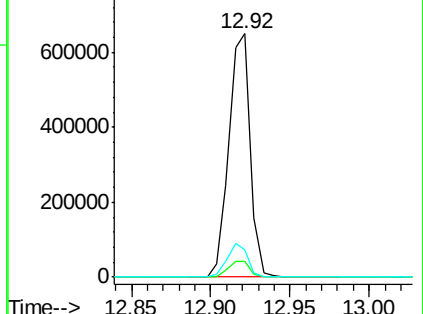
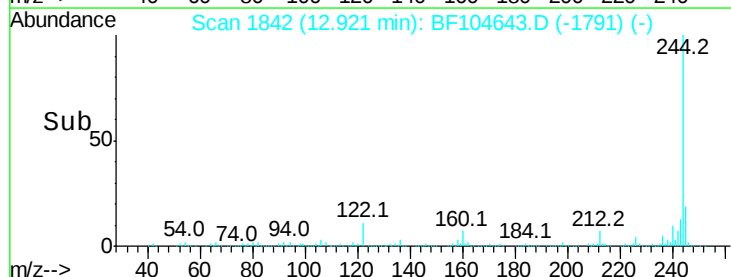
122 11.2 11.0 16.4

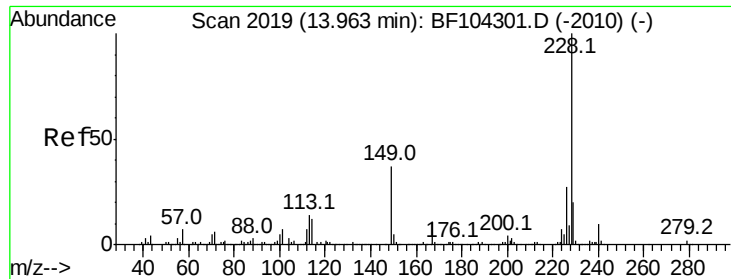


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

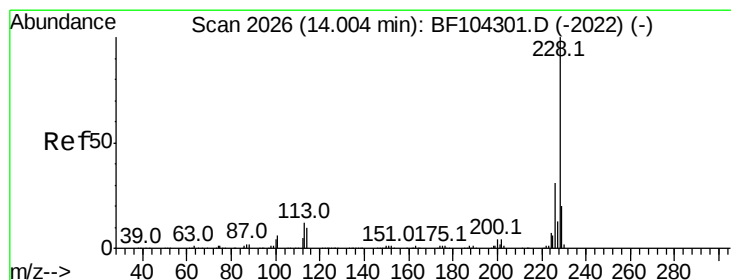
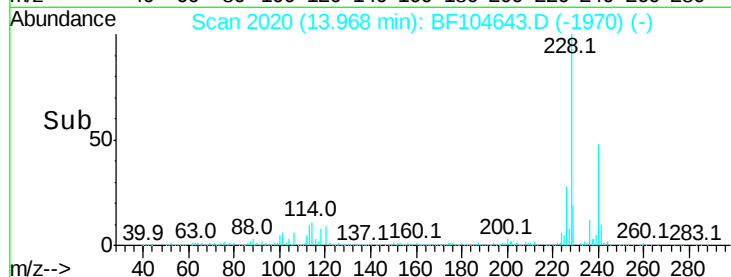
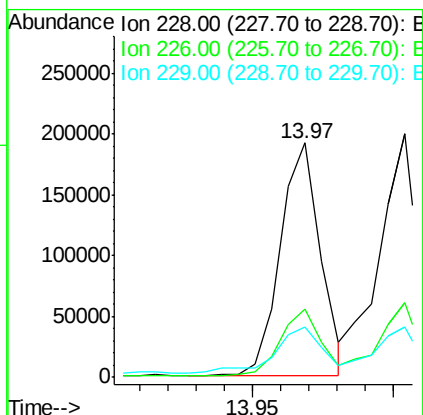
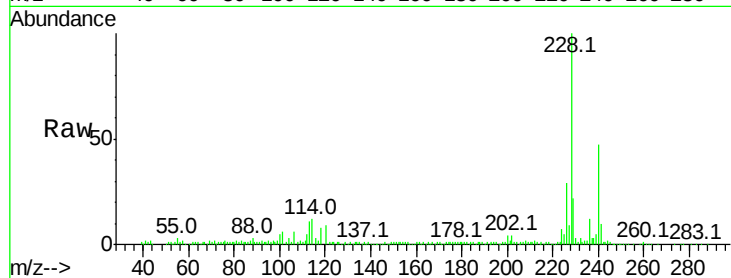




#80
Benzo(a)anthracene
Concen: 10.941 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104643.D
Acq: 19 Apr 2018 22:04

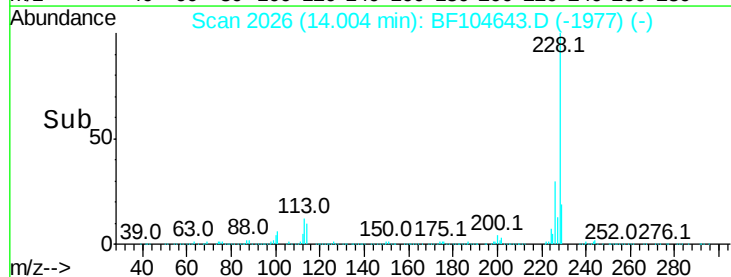
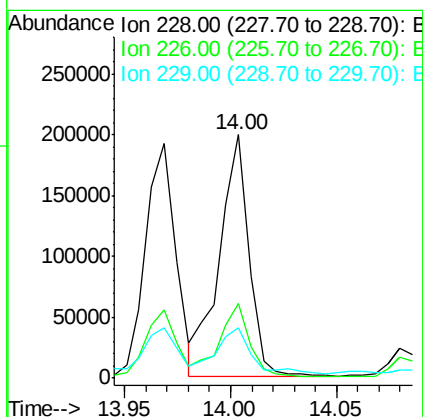
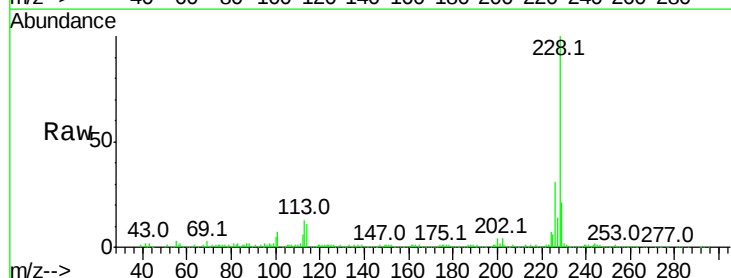
Instrument :
BNA_F
ClientSampleId :

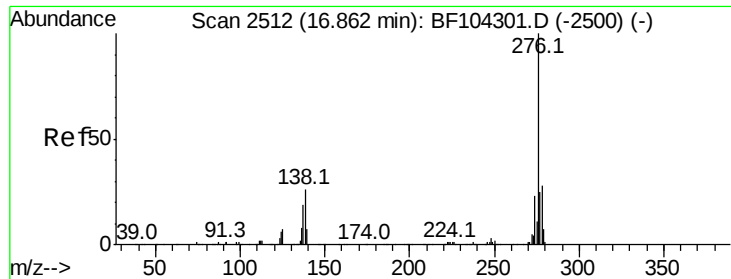
Tot Ion:228 Resp: 188905
Ion Ratio Lower Upper
228 100
226 29.1 22.6 33.8
229 21.5 15.8 23.6



#82
Chrysene
Concen: 10.912 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104643.D
Acq: 19 Apr 2018 22:04

Tgt Ion:228 Resp: 193517
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.6
229 20.9 16.2 24.4

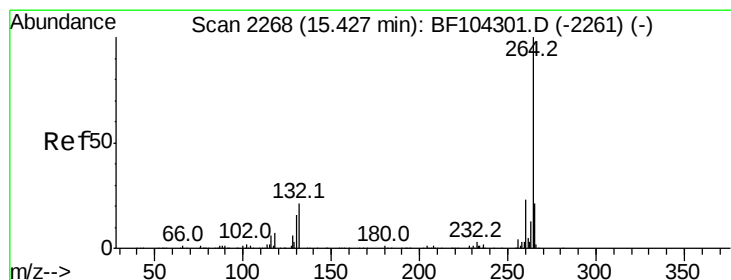
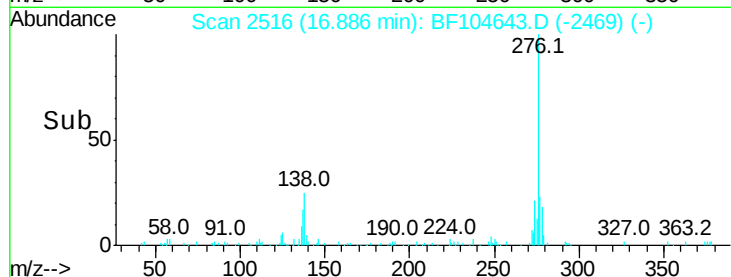
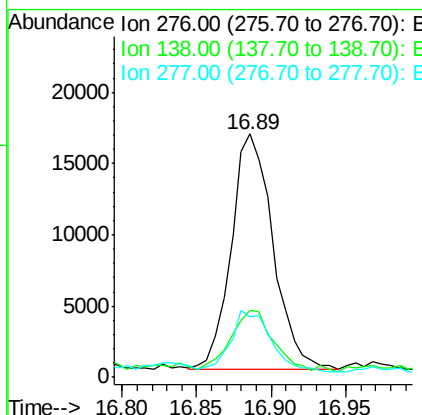
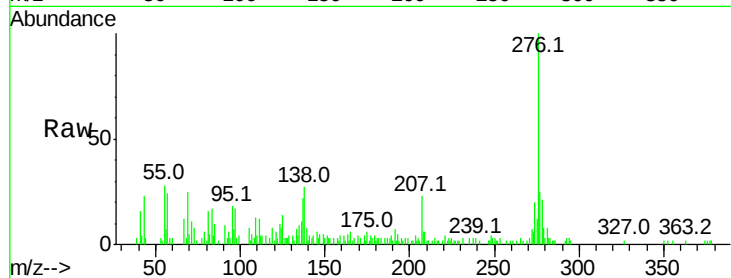




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.125 ng
RT: 16.89 min Scan# 2516
Delta R.T. -0.02 min
Lab File: BF104643.D
Acq: 19 Apr 2018 22:04

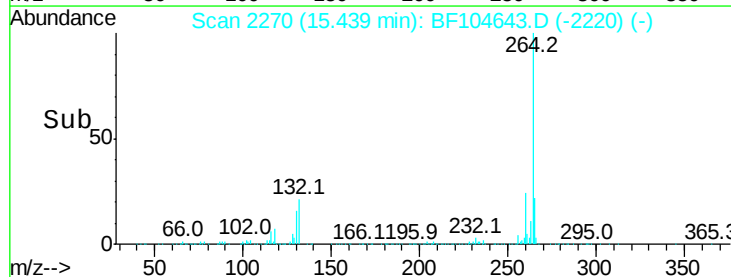
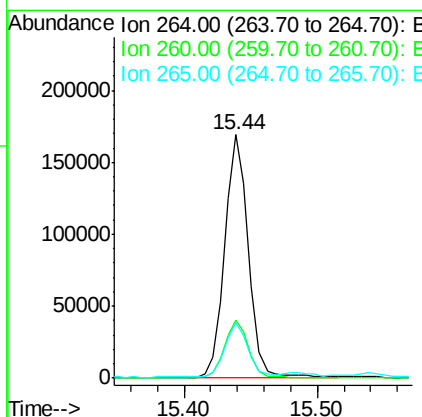
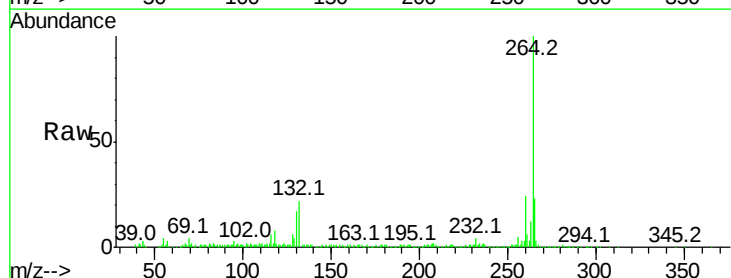
Instrument :
BNA_F
ClientSampleId :

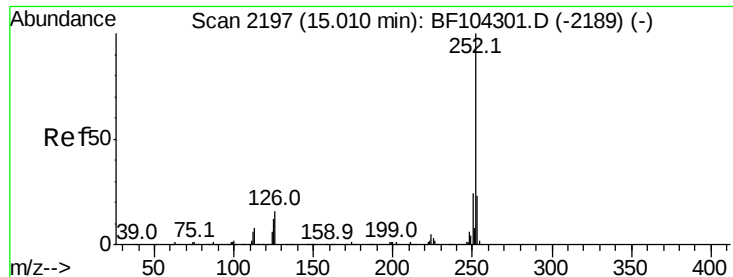
Tot Ion:276 Resp: 32017
Ion Ratio Lower Upper
276 100
138 28.2 25.0 37.6
277 25.6 20.1 30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF104643.D
Acq: 19 Apr 2018 22:04

Tgt Ion:264 Resp: 209716
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 22.9 17.5 26.3

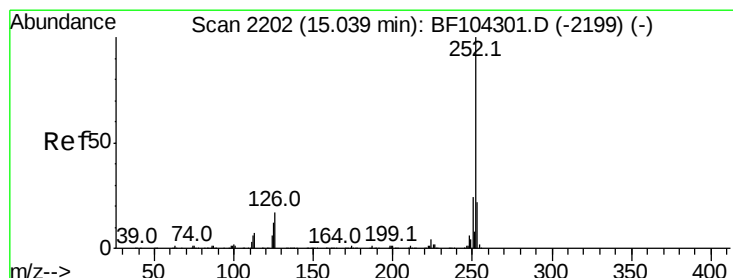
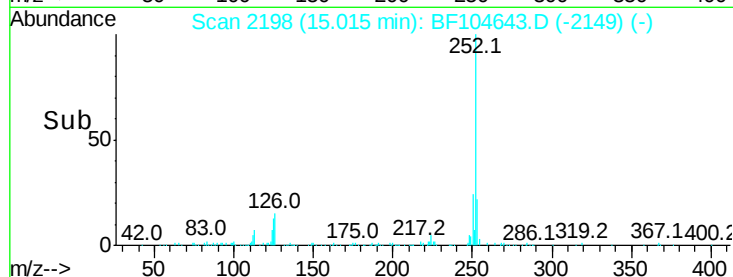
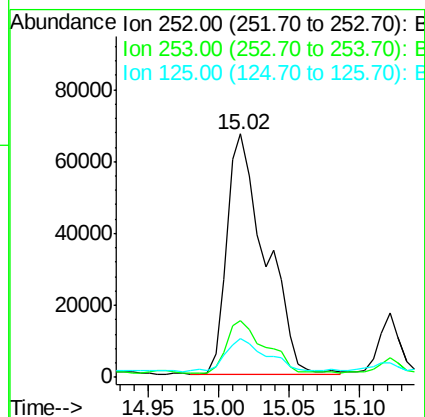
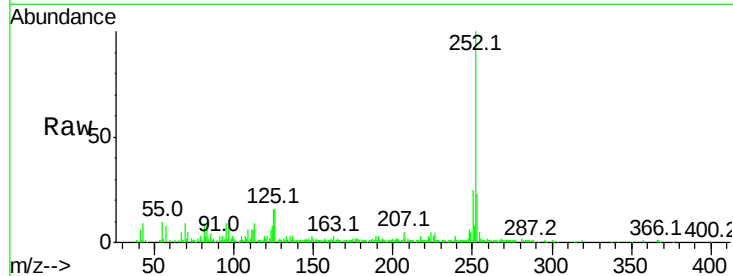




#87
Benzo(b)fluoranthene
Concen: 9.660 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF104643.D
Acq: 19 Apr 2018 22:04

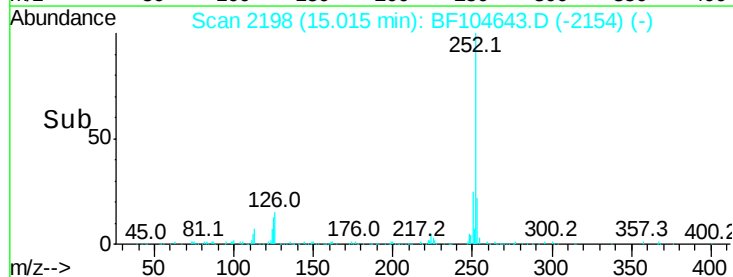
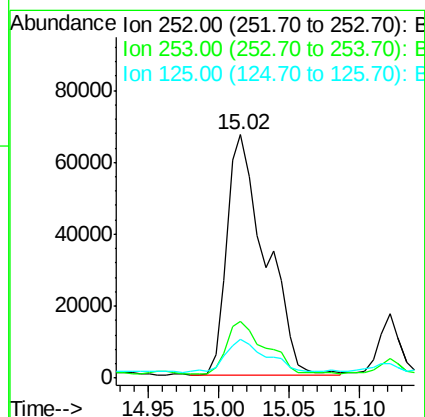
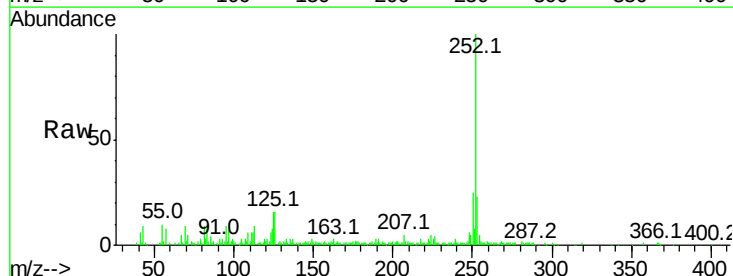
Instrument :
BNA_F
ClientSampleId :

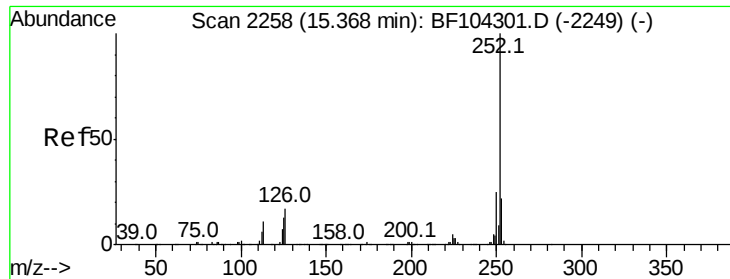
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	15.7	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 10.232 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF104643.D
Acq: 19 Apr 2018 22:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	15.7	10.2	15.2

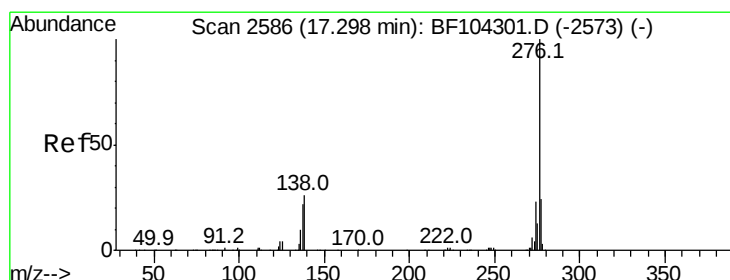
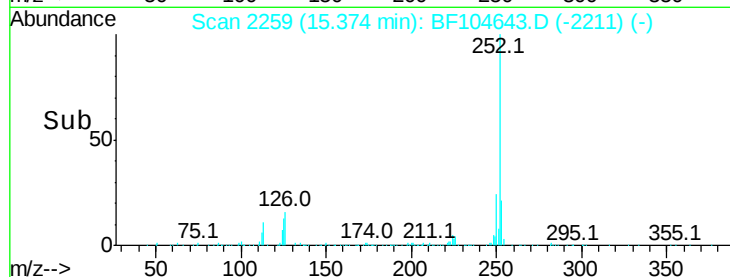
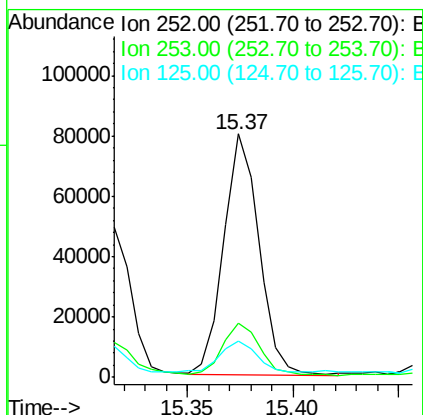
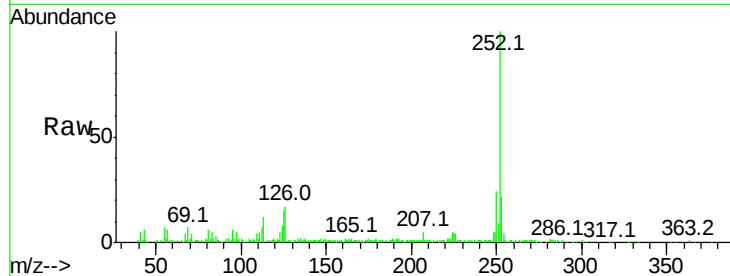




#89
Benzo(a)pyrene
Concen: 7.815 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.02 min
Lab File: BF104643.D
Acq: 19 Apr 2018 22:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 92617
Ion Ratio Lower Upper
252 100
253 22.2 17.1 25.7
125 15.0 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 3.832 ng
RT: 17.33 min Scan# 2591
Delta R.T. -0.02 min
Lab File: BF104643.D
Acq: 19 Apr 2018 22:04

Tgt Ion:276 Resp: 36132
Ion Ratio Lower Upper
276 100
277 24.6 17.9 26.9
138 24.8 21.8 32.8

