

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104478.D
 Acq On : 13 Apr 2018 15:07
 Operator : JU/SJ
 Sample : J2348-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 13 17:40:18 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 13 17:38:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	130595	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	535283	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	247792	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	425267	20.00	ng	0.00
75) Chrysene-d12	13.99	240	272464	20.00	ng	0.00
86) Perylene-d12	15.45	264	248528	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1068958	125.16	ng	0.00
7) Phenol-d6	6.45	99	1327857	126.54	ng	0.00
23) Nitrobenzene-d5	7.38	82	840173	102.49	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	332698	129.43	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1293122	82.44	ng	0.00
78) Terphenyl-d14	12.93	244	1127934	94.38	ng	0.00

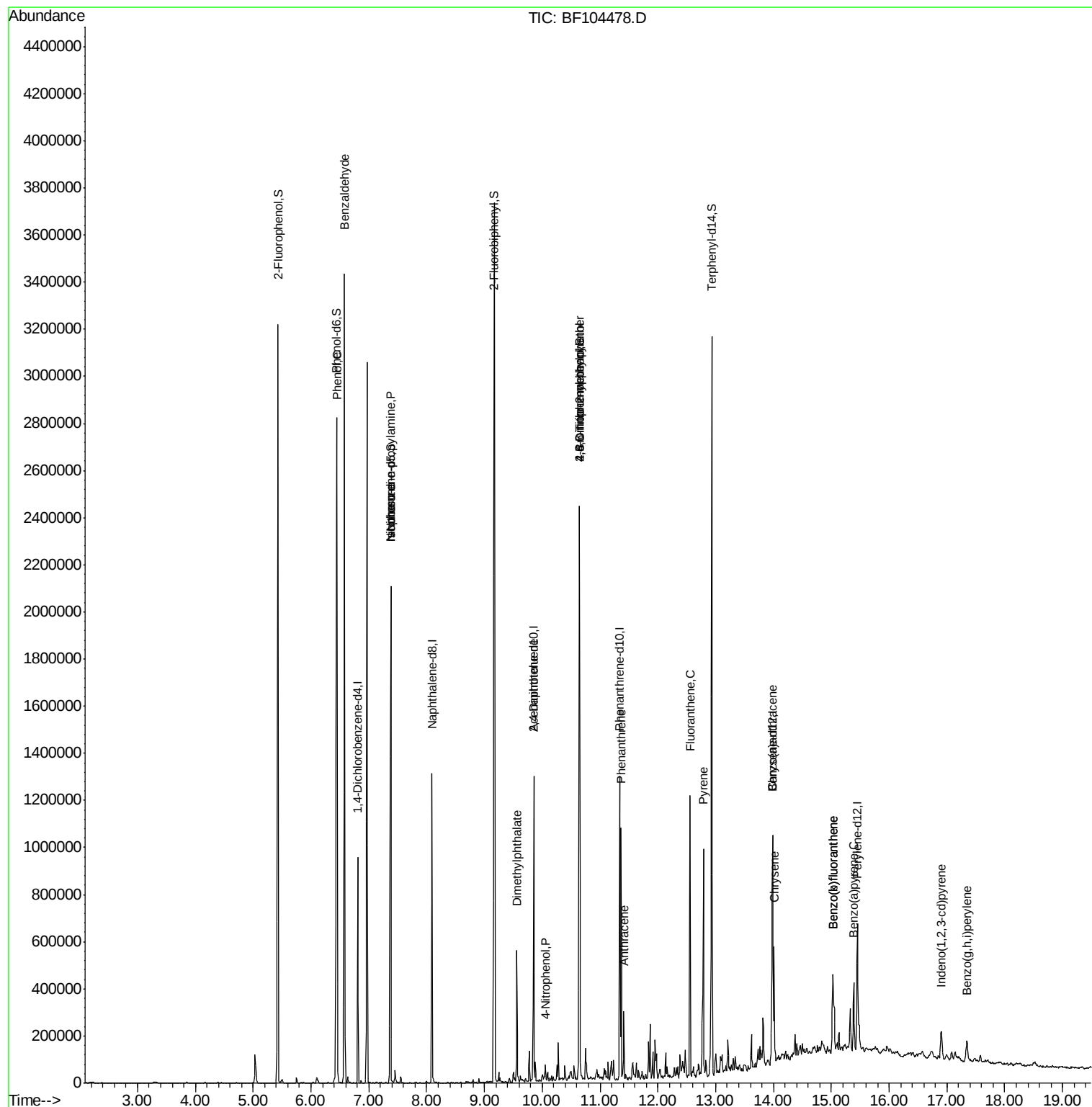
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.58	77	23838	2.189	ng	81
10) Phenol	6.46	94	53717	4.824	ng	96
19) n-Nitroso-di-n-propylamine	7.38	70	111308	16.232	ng	# 71
25) Isophorone	7.38	82	840165	48.467	ng	# 64
49) Dimethylphthalate	9.56	163	211350	10.816	ng	99
55) 4-Nitrophenol	10.05	139	6861	2.063	ng	# 9
56) 2,4-Dinitrotoluene	9.85	165	31831	6.711	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.65	198	501	7.552	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	19026	4.206	ng	# 1
70) Phenanthrene	11.36	178	328928	13.889	ng	99
71) Anthracene	11.42	178	112820	4.686	ng	98
74) Fluoranthene	12.56	202	469248	18.964	ng	96
76) Benzidine	12.93	184	15312	Below Cal		97
77) Pyrene	12.79	202	382816	18.955	ng	99
80) Benzo(a)anthracene	13.97	228	204530	12.565	ng	99
82) Chrysene	14.01	228	160927	9.625	ng	97
85) Indeno(1,2,3-cd)pyrene	16.90	276	74728	5.262	ng	# 91
87) Benzo(b)fluoranthene	15.03	252	245192	15.621	ng	96
88) Benzo(k)fluoranthene	15.03	252	245192	16.546	ng	99
89) Benzo(a)pyrene	15.39	252	132536	9.437	ng	95
91) Benzo(a,h,i)perylene	17.34	276	61690	5.520	ng	97

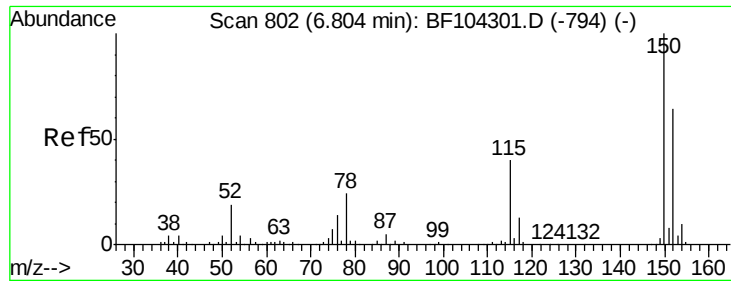
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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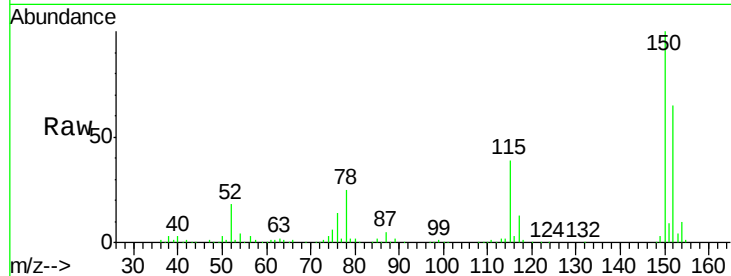


#1

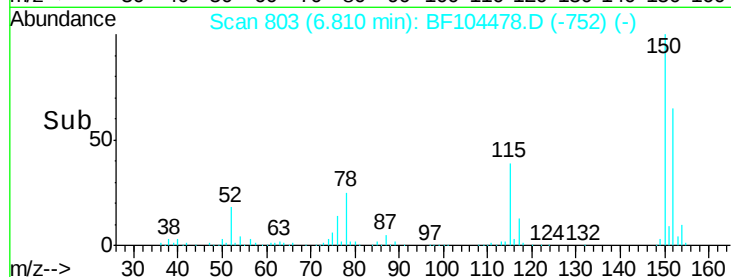
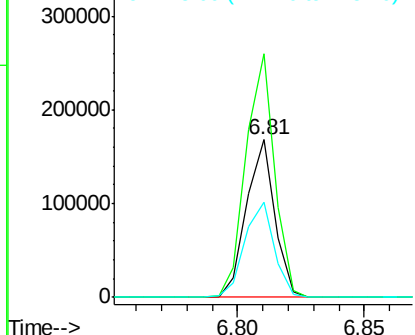
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 130595
Ion Ratio Lower Upper
152 100
150 154.7 124.6 186.8
115 60.1 50.1 75.1



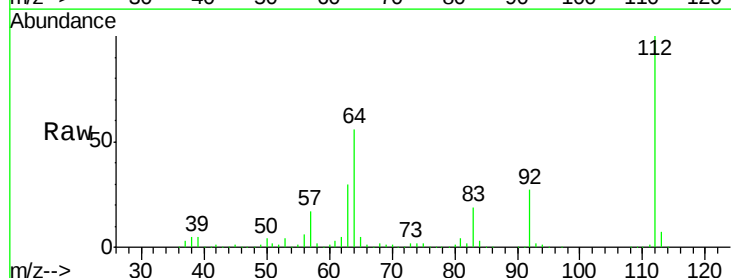
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



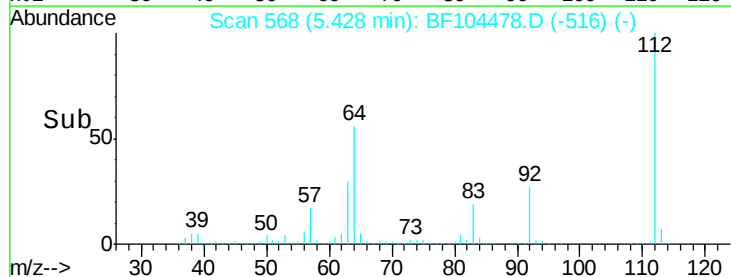
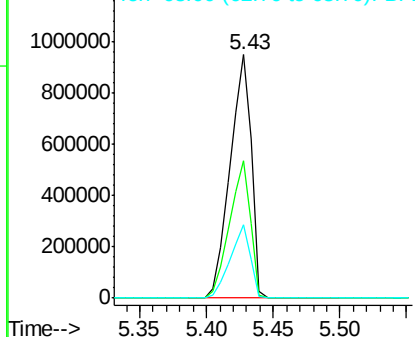
#5

2-Fluorophenol
Concen: 125.158 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

Tgt Ion:112 Resp: 1068958
Ion Ratio Lower Upper
112 100
64 56.3 47.9 71.9
63 29.9 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: 126.535 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104478.D

Acq: 13 Apr 2018 15:07

Instrument :

BNA_F

ClientSampled :

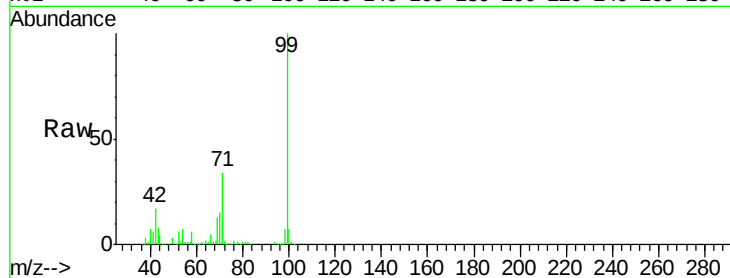
Tot Ion: 99 Resp: 1327857

Ion Ratio Lower Upper

99 100

42 16.7 14.5 21.7

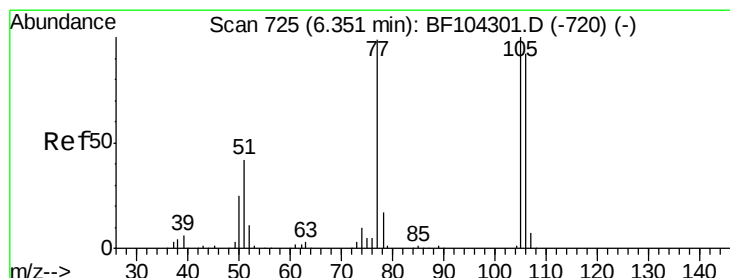
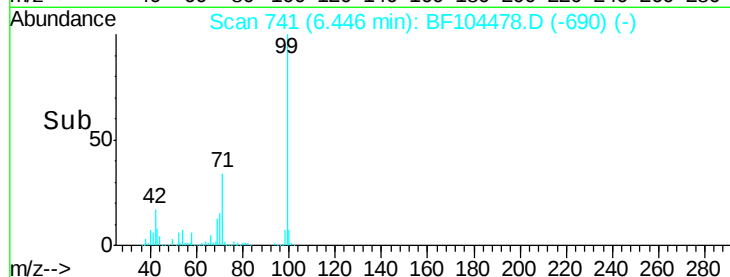
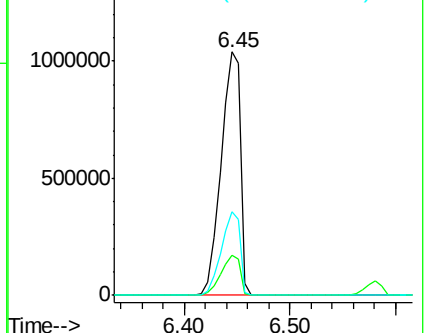
71 34.3 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.189 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.22 min

Lab File: BF104478.D

Acq: 13 Apr 2018 15:07

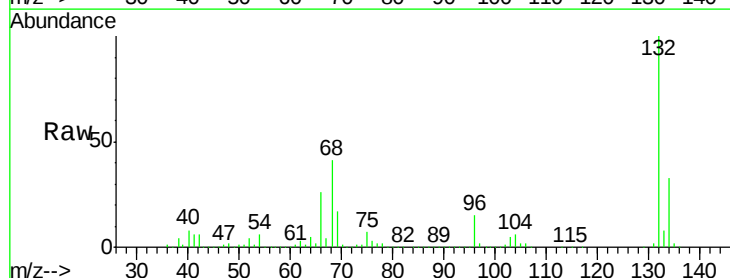
Tgt Ion: 77 Resp: 23838

Ion Ratio Lower Upper

77 100

105 83.3 81.1 121.1

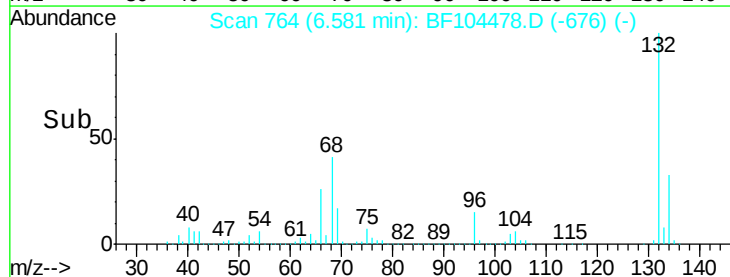
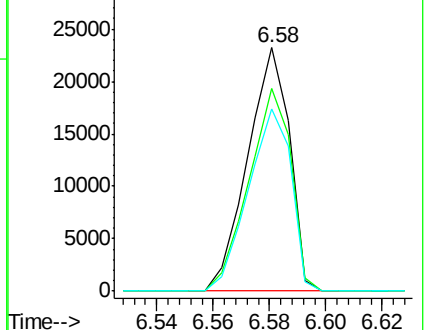
106 75.1 74.5 114.5

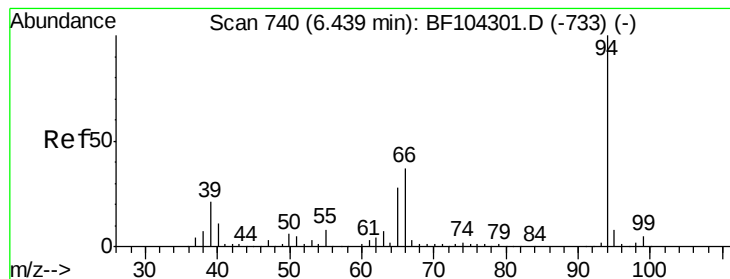


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 4.824 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF104478.D

Acq: 13 Apr 2018 15:07

Instrument :

BNA_F

ClientSampleId :

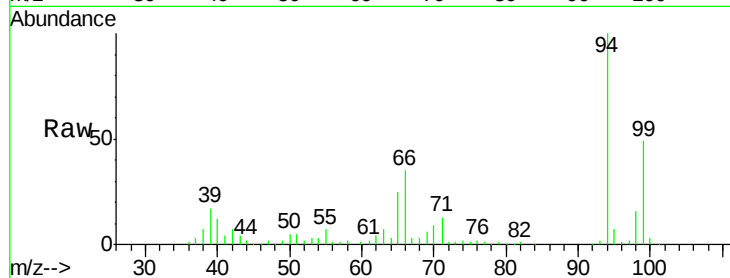
Tot Ion: 94 Resp: 53717

Ion Ratio Lower Upper

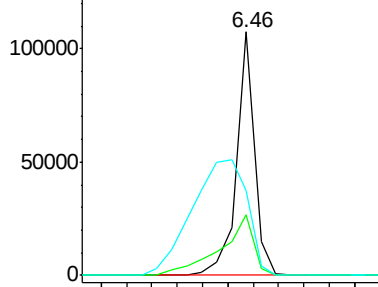
94 100

65 25.1 7.9 47.9

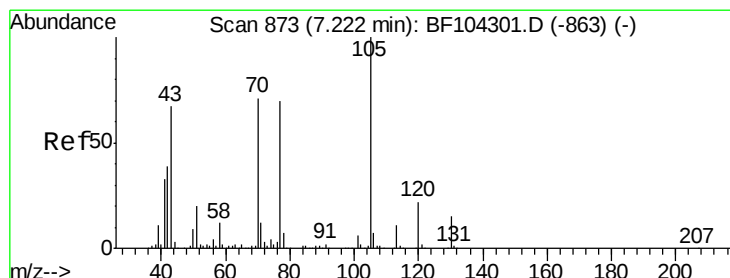
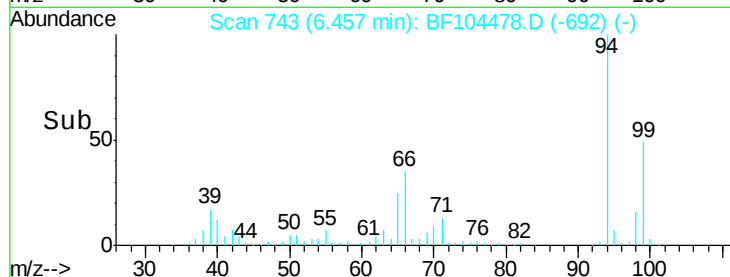
66 34.6 16.2 56.2



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



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 16.232 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.15 min

Lab File: BF104478.D

Acq: 13 Apr 2018 15:07

Tgt Ion: 70 Resp: 111308

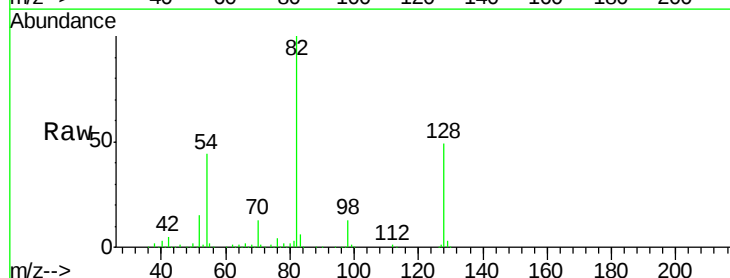
Ion Ratio Lower Upper

70 100

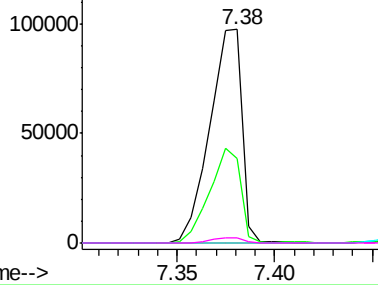
42 39.8 47.5 71.3#

101 0.0 7.4 11.2#

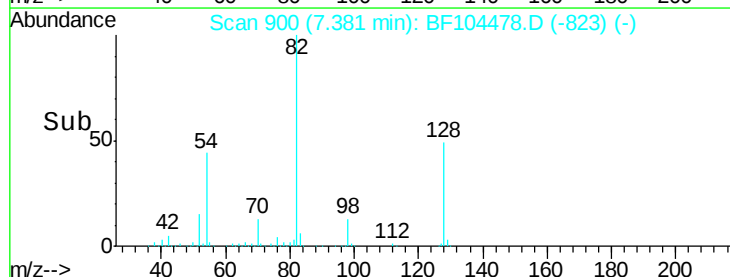
130 2.5 16.6 25.0#

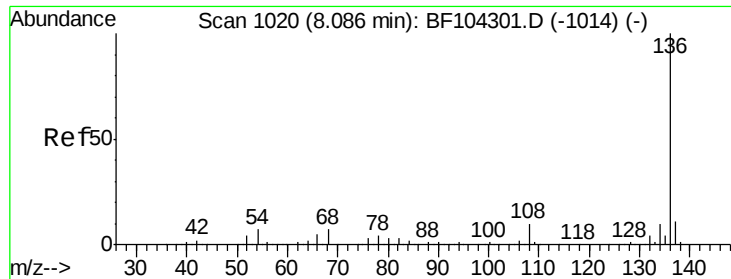


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1



Time-->

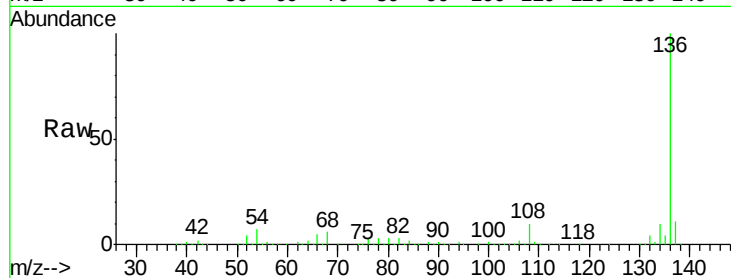




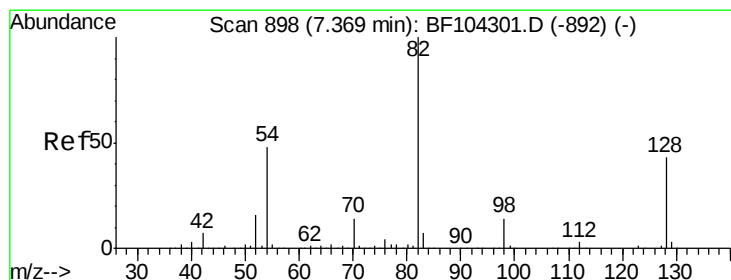
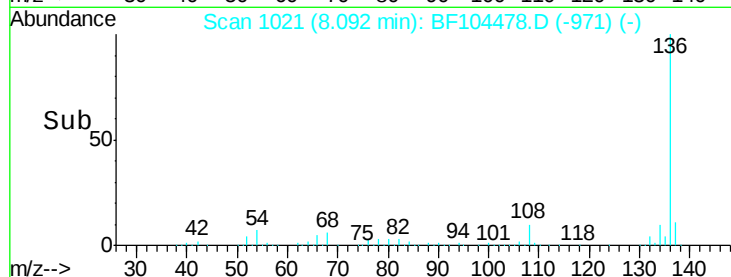
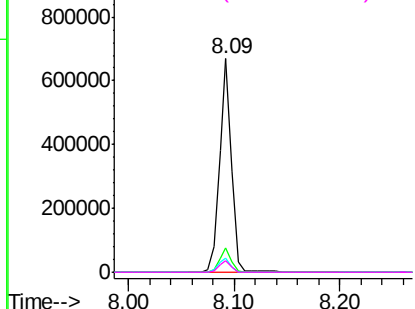
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	535283
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.9 13.3
54	6.9	6.6 9.8
68	5.5	5.0 7.4

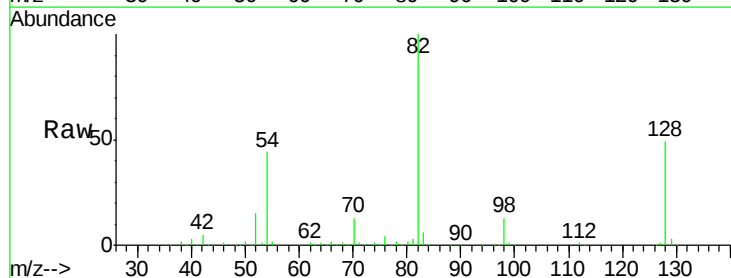


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

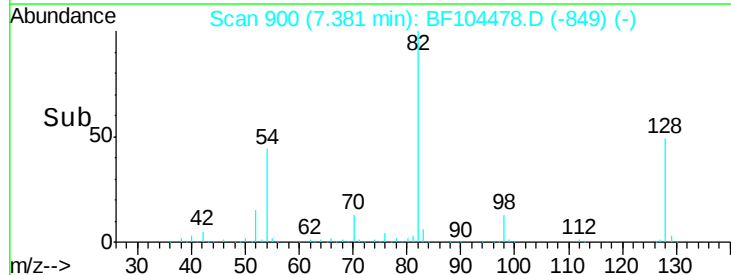
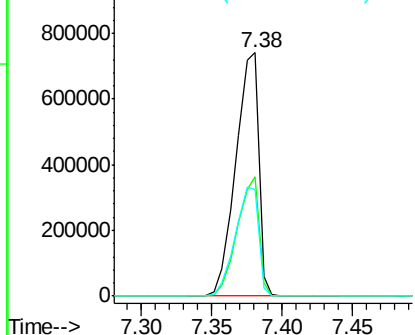


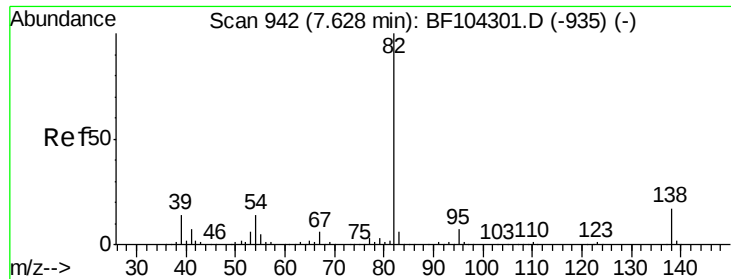
#23
Nitrobenzene-d5
Concen: 102.491 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.00 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

Tgt Ion: 82	Resp:	840173
Ion	Ratio	Lower Upper
82	100	
128	48.8	36.1 54.1
54	43.7	41.4 62.2



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





#25

Isophorone

Concen: 48.467 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.25 min

Lab File: BF104478.D

Acq: 13 Apr 2018 15:07

Instrument :

BNA_F

ClientSampled :

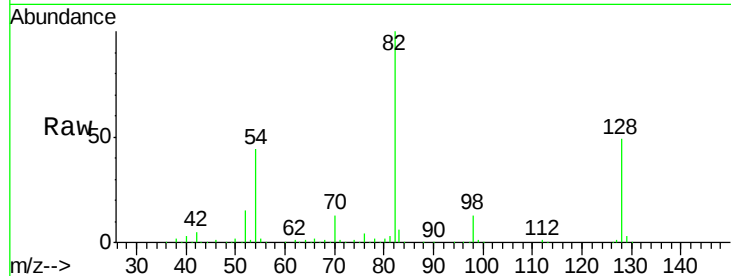
Tot Ion: 82 Resp: 840165

Ion Ratio Lower Upper

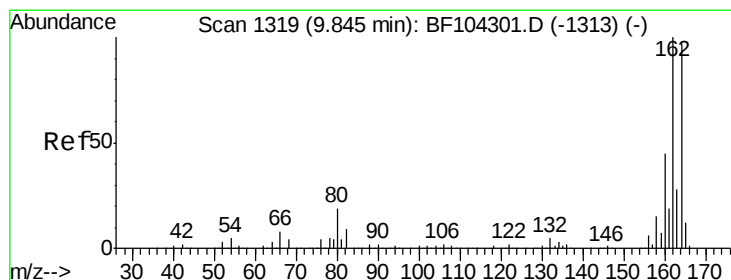
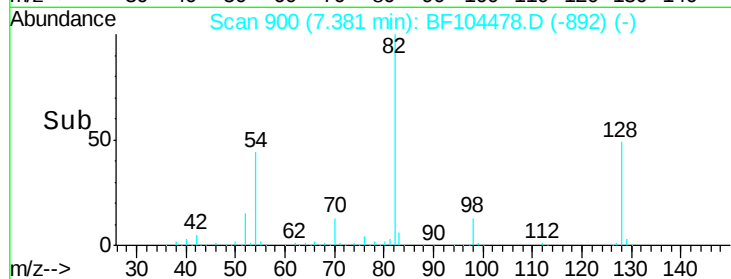
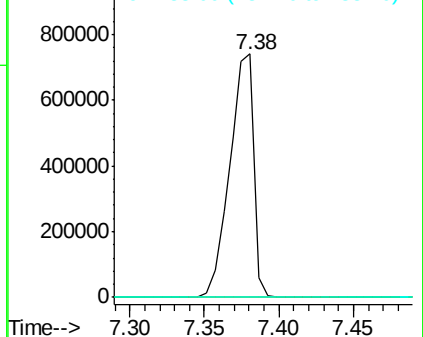
82 100

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# 1320

Delta R.T. -0.01 min

Lab File: BF104478.D

Acq: 13 Apr 2018 15:07

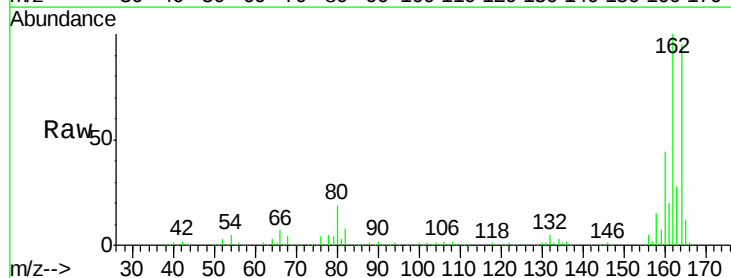
Tgt Ion: 164 Resp: 247792

Ion Ratio Lower Upper

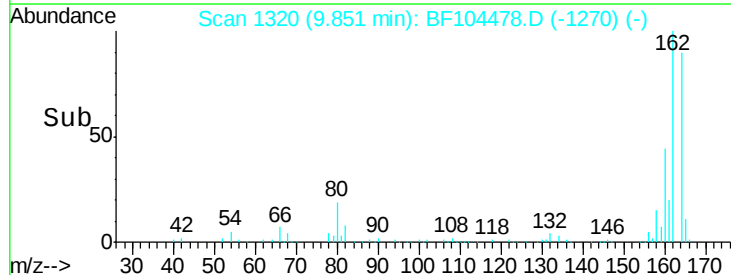
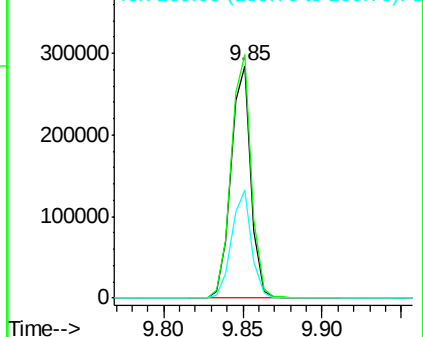
164 100

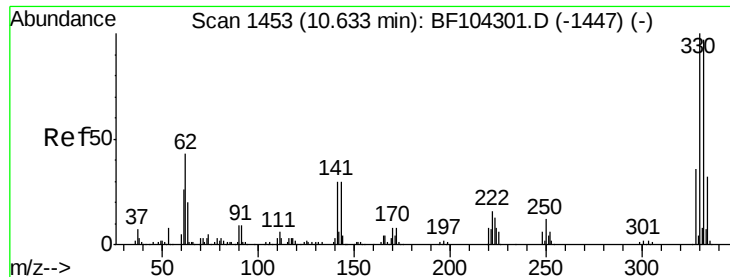
162 104.8 86.1 129.1

160 46.2 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

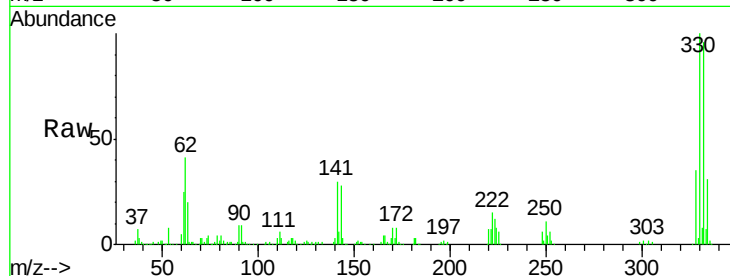




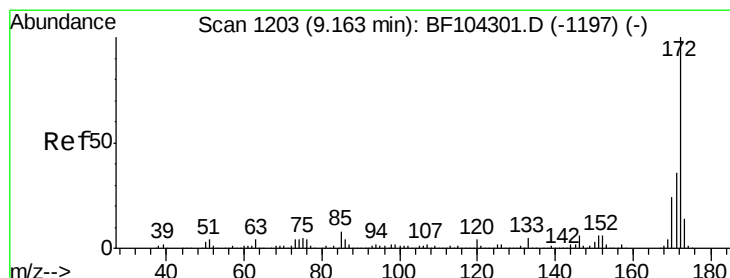
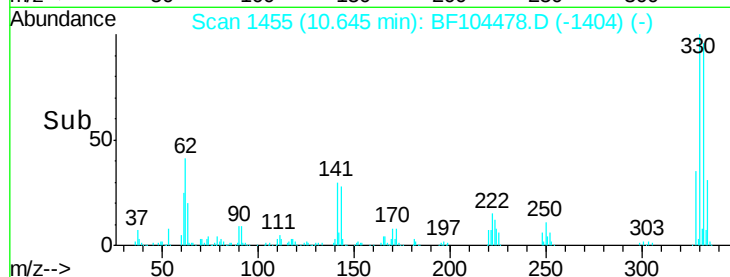
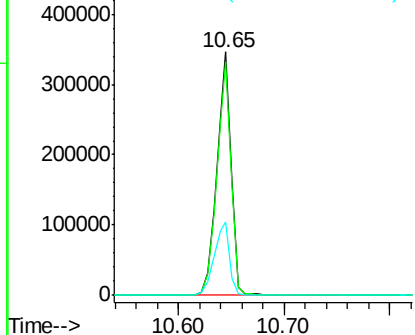
#41
 2,4,6-Tribromophenol
 Concen: 129.434 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF104478.D
 Acq: 13 Apr 2018 15:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	32.4	29.9	44.9

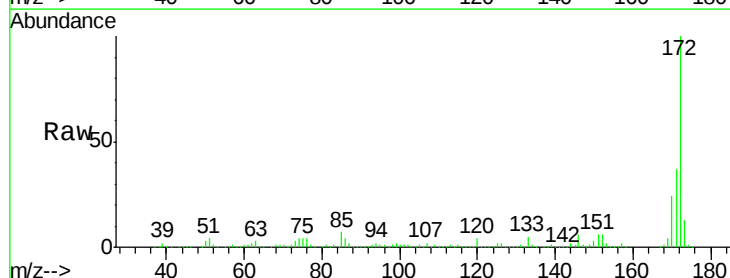


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

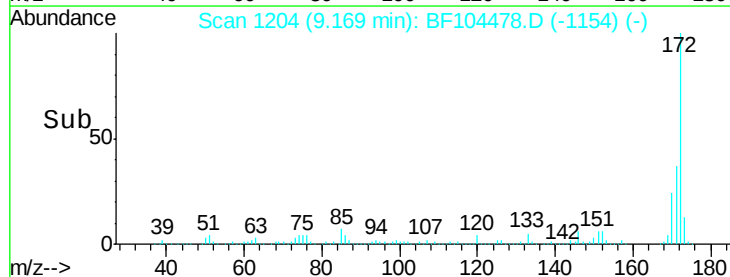
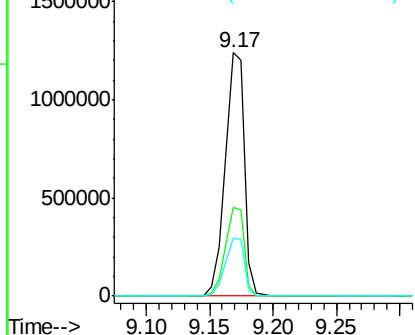


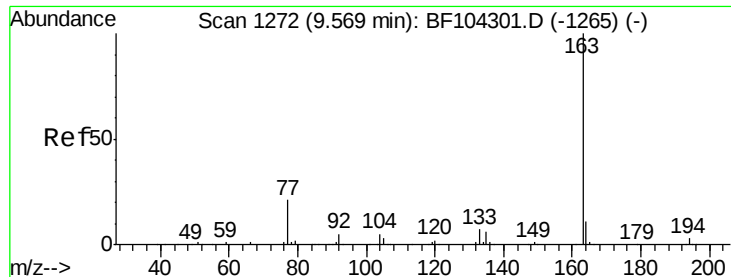
#44
 2-Fluorobiphenyl
 Concen: 82.441 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104478.D
 Acq: 13 Apr 2018 15:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.0	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

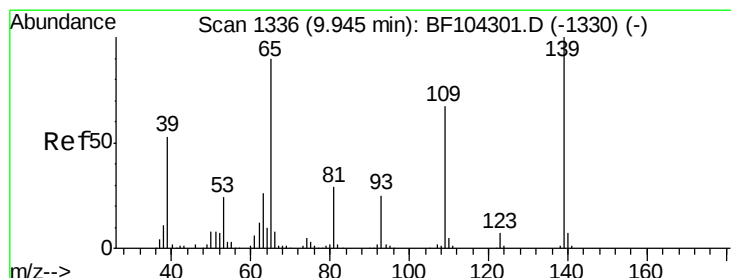
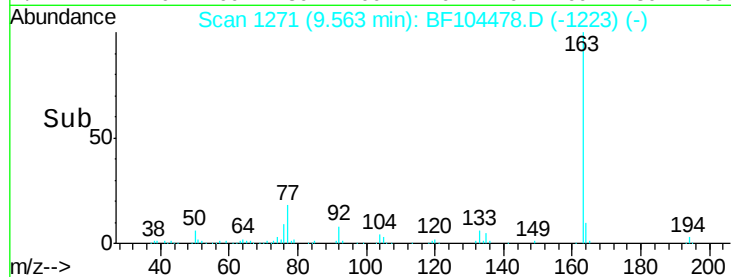
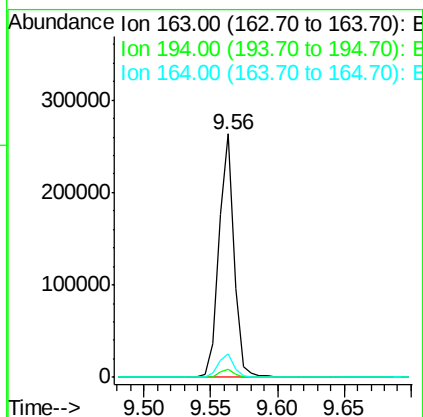
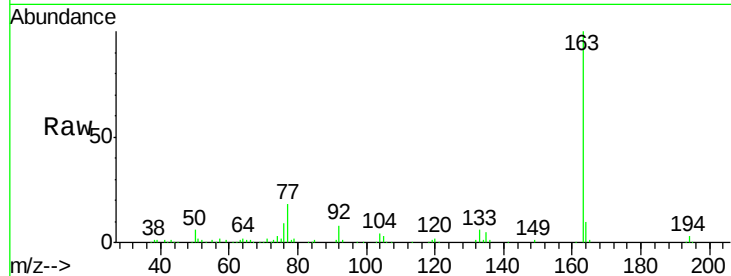




#49
Dimethylphthalate
Concen: 10.816 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

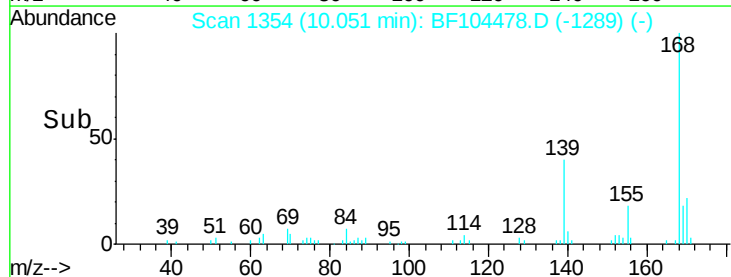
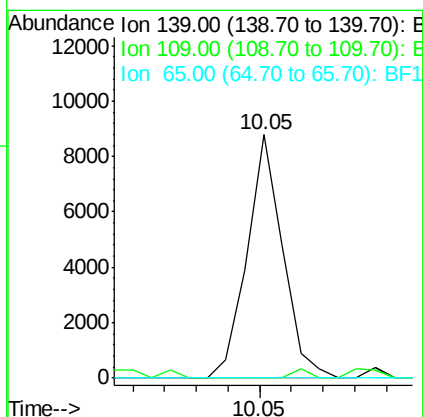
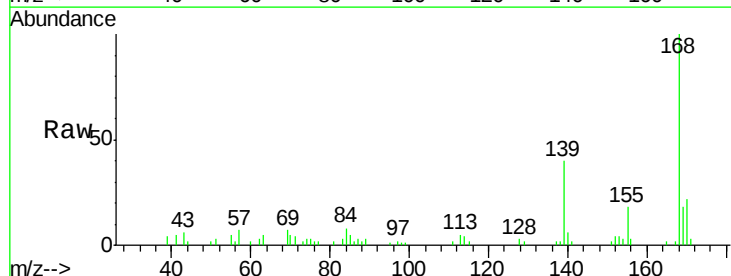
Instrument :
BNA_F
ClientSampleId :

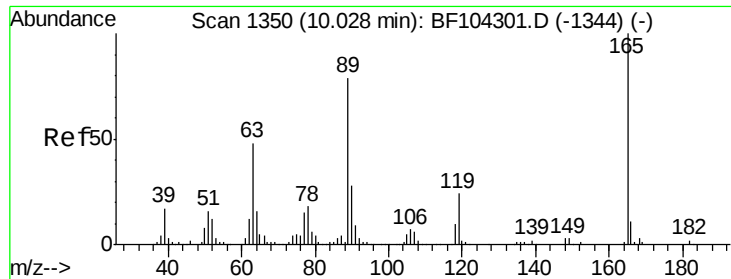
Tot Ion:163 Resp: 211350
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 9.7 8.2 12.2



#55
4-Nitrophenol
Concen: 2.063 ng
RT: 10.05 min Scan# 1354
Delta R.T. 0.08 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

Tgt Ion:139 Resp: 6861
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

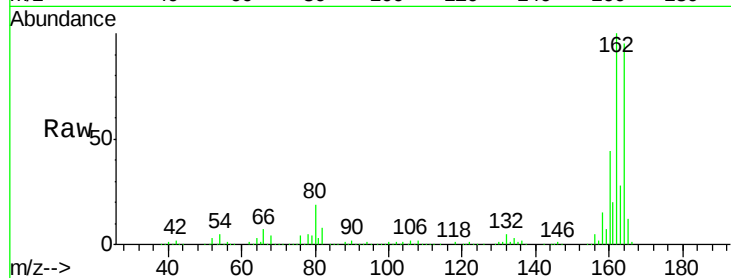




#56
2,4-Dinitrotoluene
Concen: 6.711 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

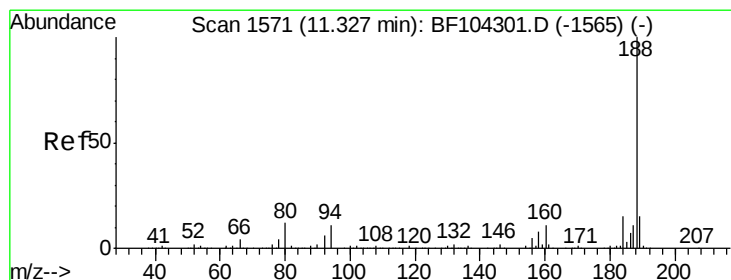
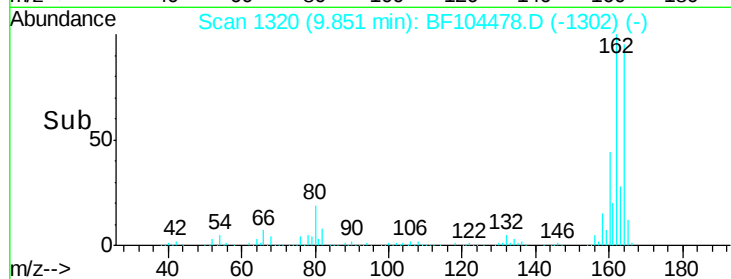
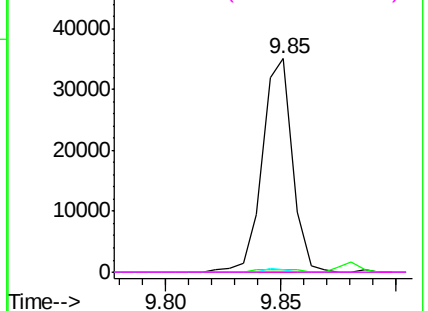


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

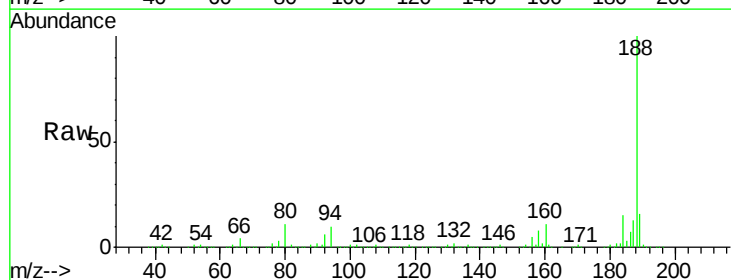
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

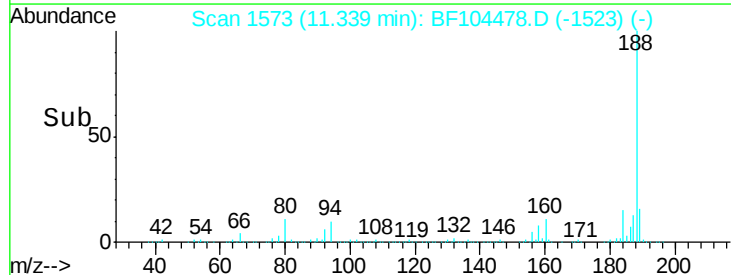
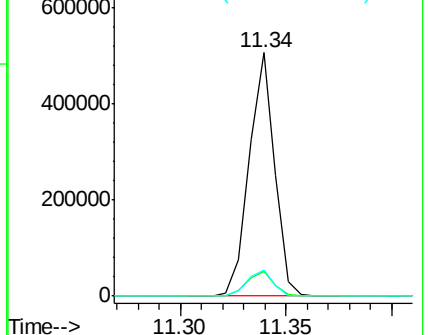
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	10.8	9.2	13.8

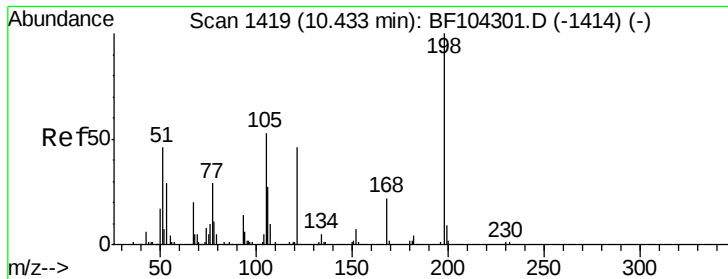


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

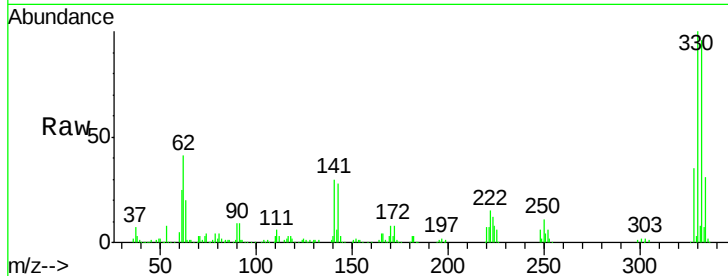




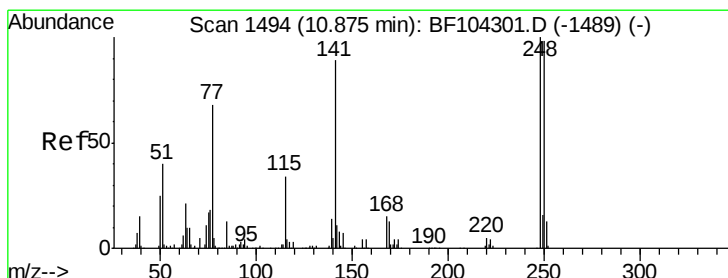
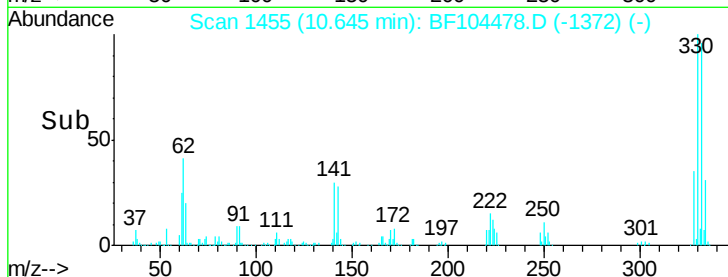
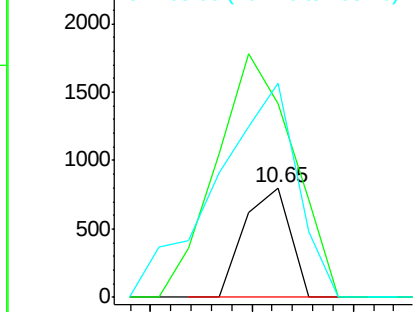
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.552 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.19 min
 Lab File: BF104478.D
 Acq: 13 Apr 2018 15:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	176.9	37.7	77.7#
105	195.8	36.3	76.3#

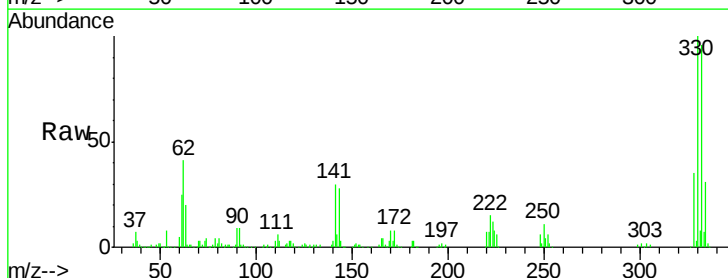


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

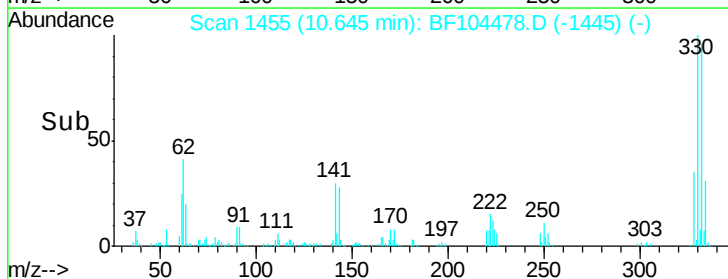
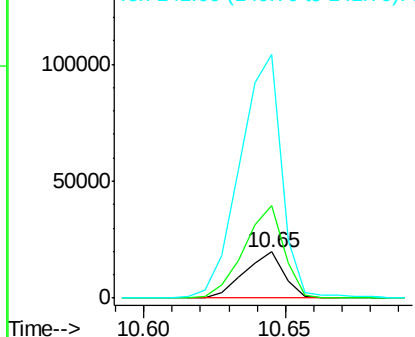


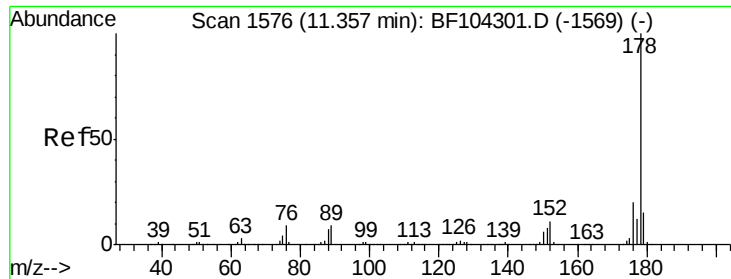
#66
 4-Bromophenyl-phenylether
 Concen: 4.206 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.24 min
 Lab File: BF104478.D
 Acq: 13 Apr 2018 15:07

Tgt Ion	Ratio	Lower	Upper
248	100		
250	201.7	76.9	115.3#
141	527.6	74.4	111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

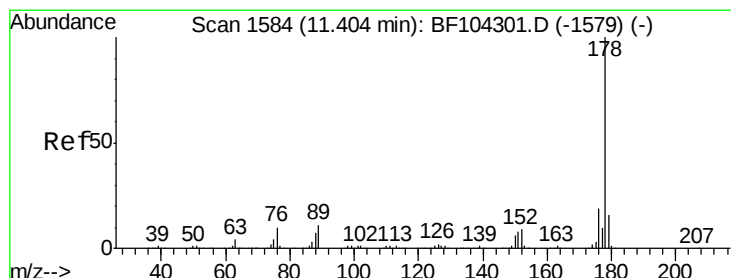
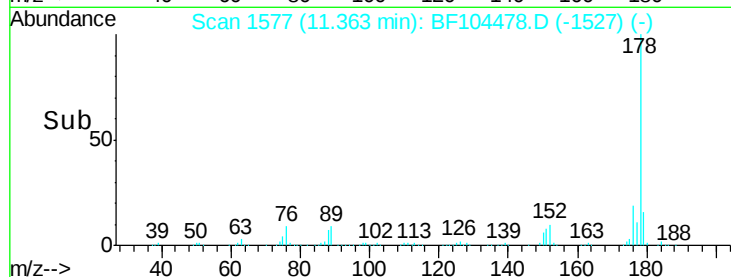
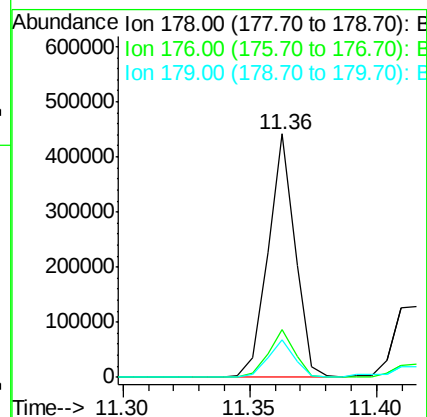
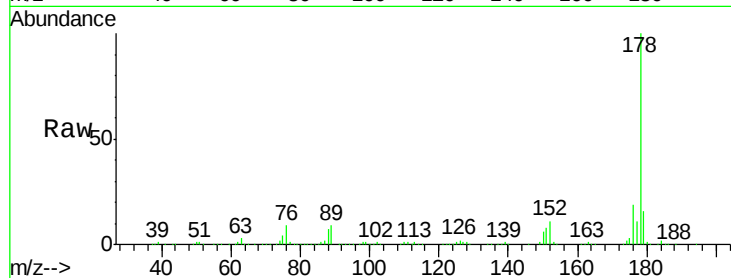




#70
Phenanthrene
Concen: 13.889 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

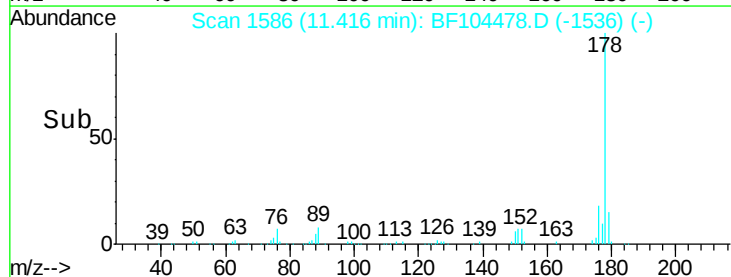
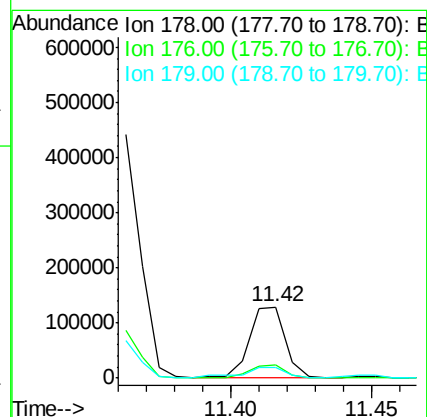
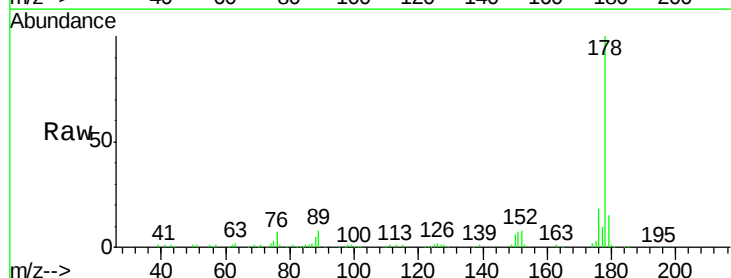
Instrument :
BNA_F
ClientSampleId :

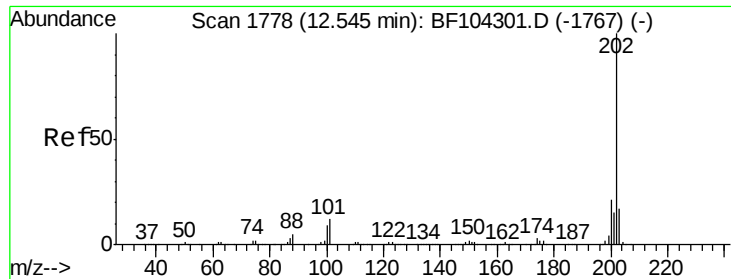
Tot Ion:178 Resp: 328928
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.6 13.0 19.6



#71
Anthracene
Concen: 4.686 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

Tgt Ion:178 Resp: 112820
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 15.2 12.6 19.0





#74

Fluoranthene

Concen: 18.964 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BF104478.D

Acq: 13 Apr 2018 15:07

Instrument :

BNA_F

ClientSampleId :

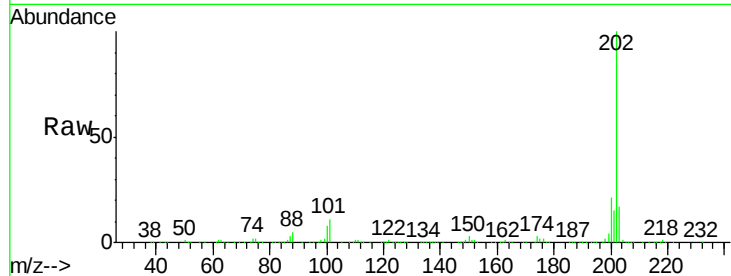
Tot Ion:202 Resp: 469248

Ion Ratio Lower Upper

202 100

101 10.9 0.0 34.1

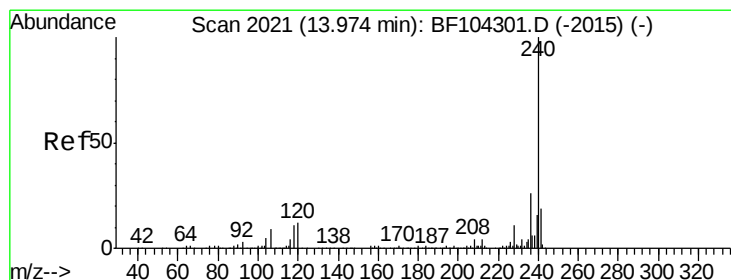
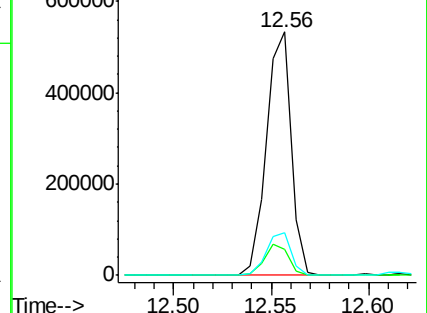
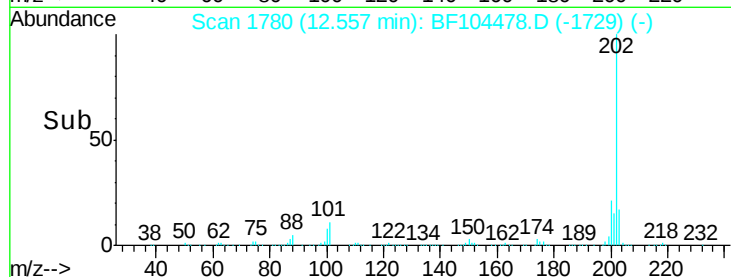
203 17.4 0.0 38.1



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: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF104478.D

Acq: 13 Apr 2018 15:07

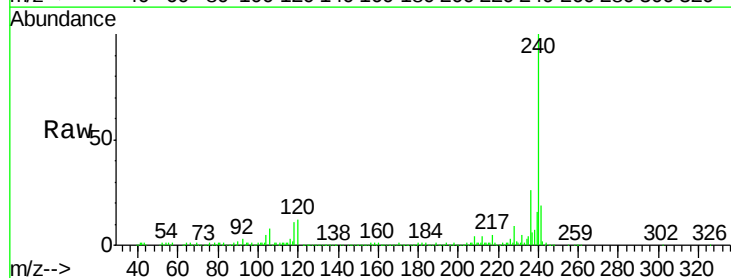
Tgt Ion:240 Resp: 272464

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

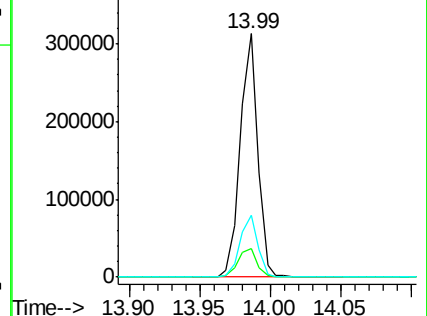
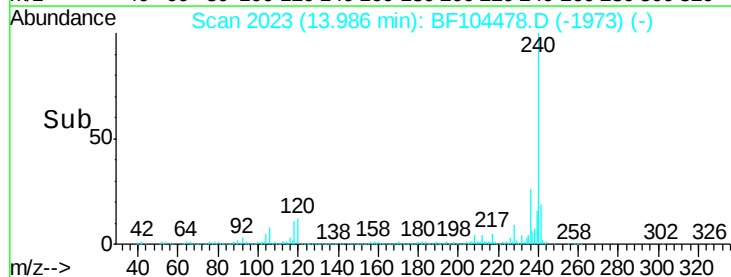
236 25.5 20.7 31.1

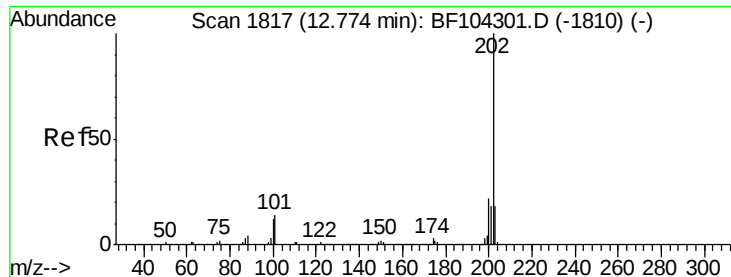


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 18.955 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF104478.D

Acq: 13 Apr 2018 15:07

Instrument :

BNA_F

ClientSampleId :

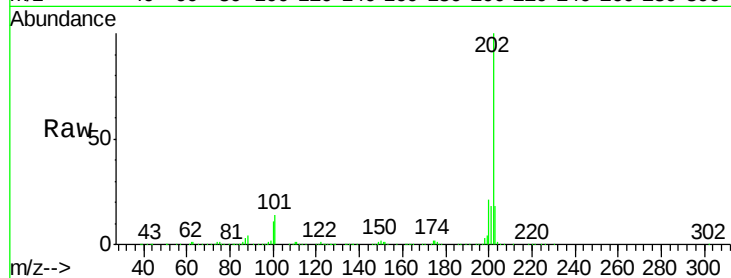
Tot Ion:202 Resp: 382816

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

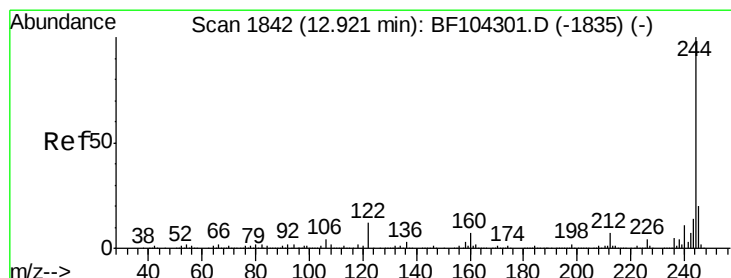
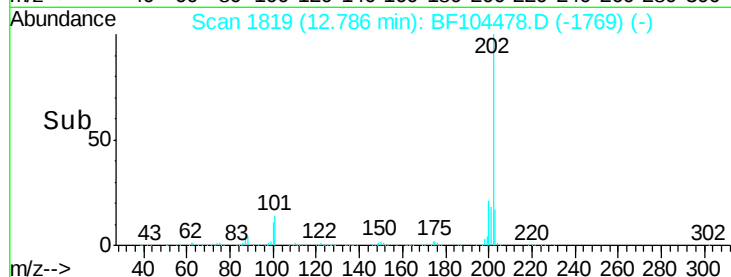
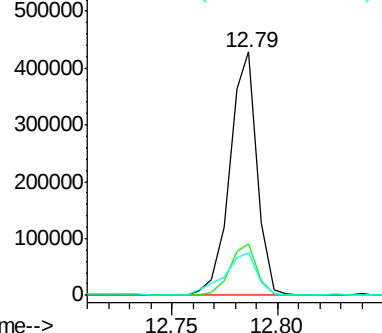
203 17.6 14.3 21.5



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: 94.379 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BF104478.D

Acq: 13 Apr 2018 15:07

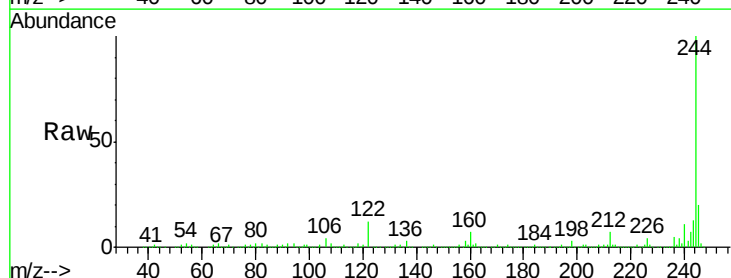
Tgt Ion:244 Resp: 1127934

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

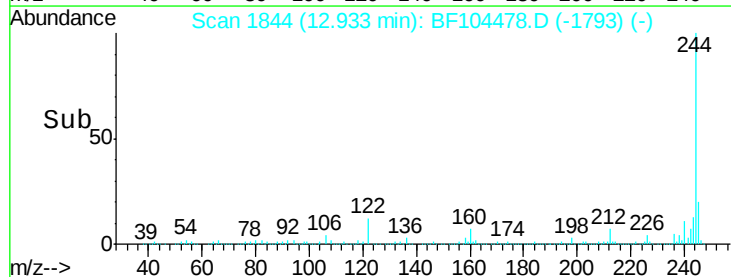
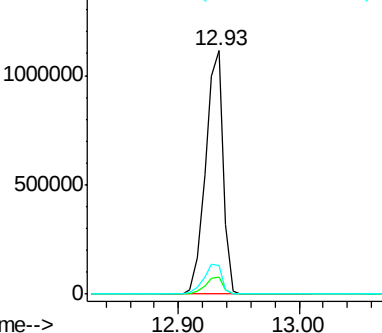
122 11.7 11.0 16.4

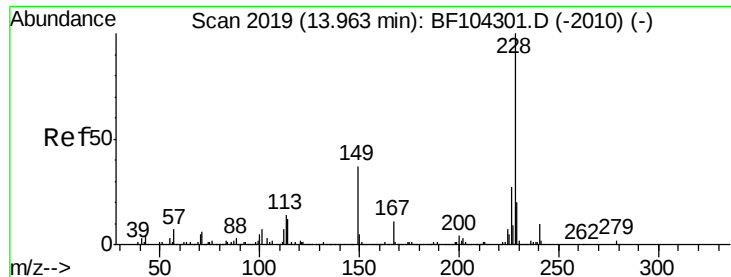


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

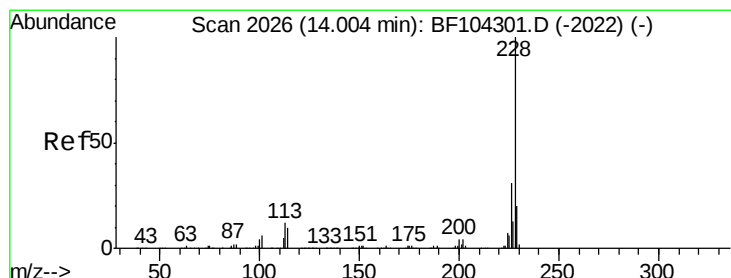
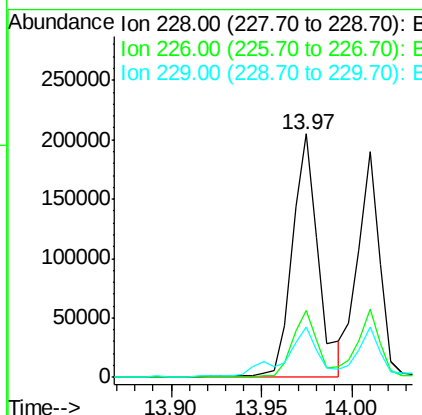
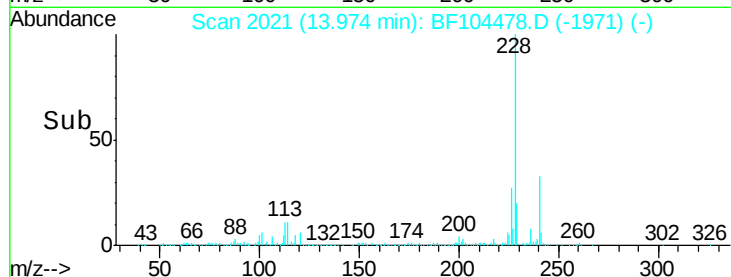
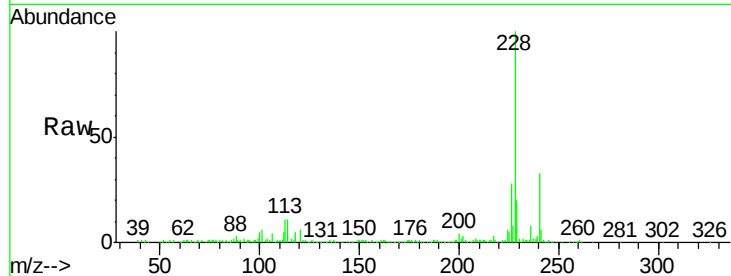




#80
Benzo(a)anthracene
Concen: 12.565 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

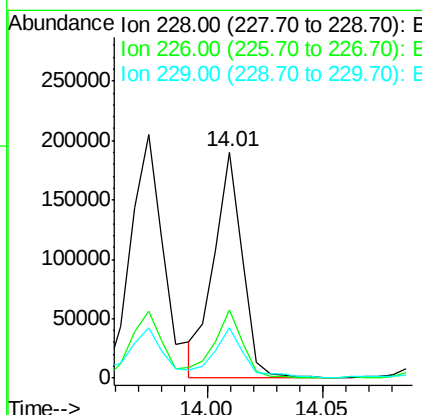
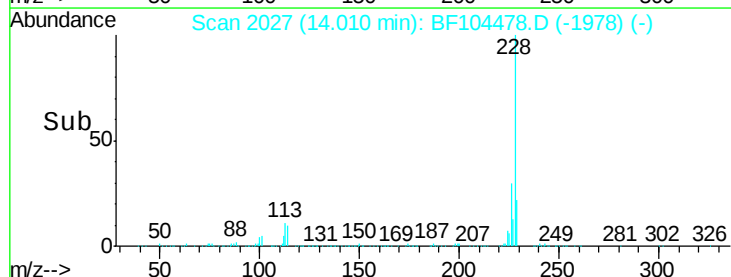
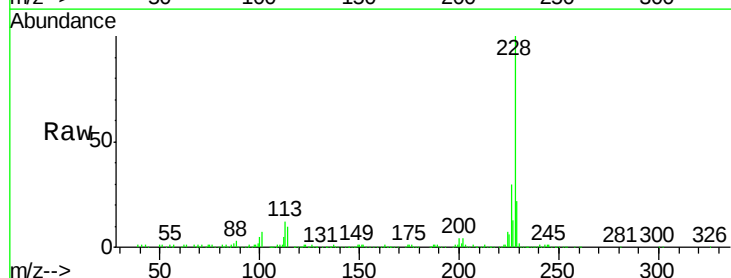
Instrument :
BNA_F
ClientSampleId :

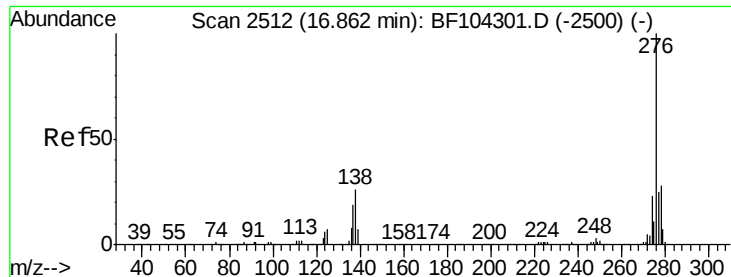
Tot Ion:228 Resp: 204530
Ion Ratio Lower Upper
228 100
226 27.5 22.6 33.8
229 20.5 15.8 23.6



#82
Chrysene
Concen: 9.625 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

Tgt Ion:228 Resp: 160927
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 22.3 16.2 24.4

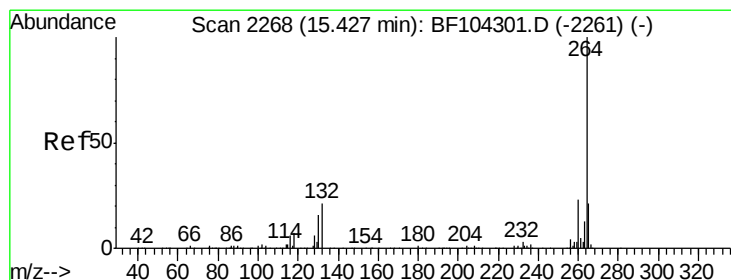
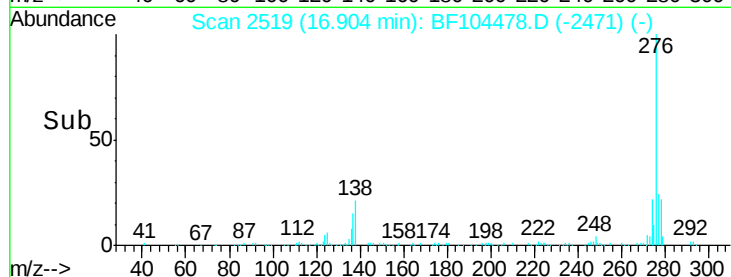
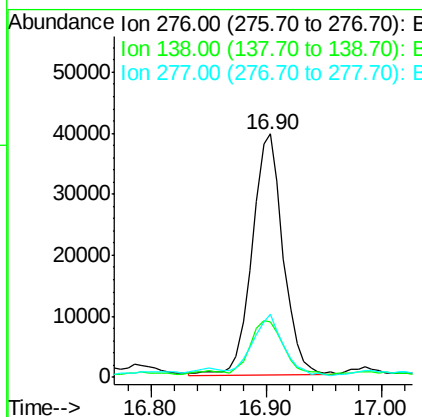
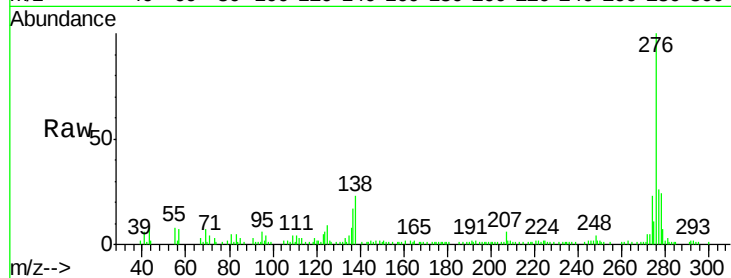




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.262 ng
 RT: 16.90 min Scan# 2519
 Delta R.T. -0.02 min
 Lab File: BF104478.D
 Acq: 13 Apr 2018 15:07

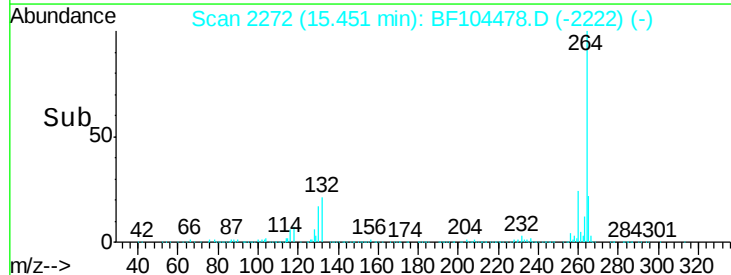
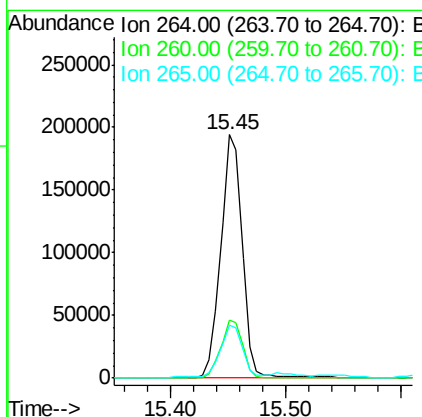
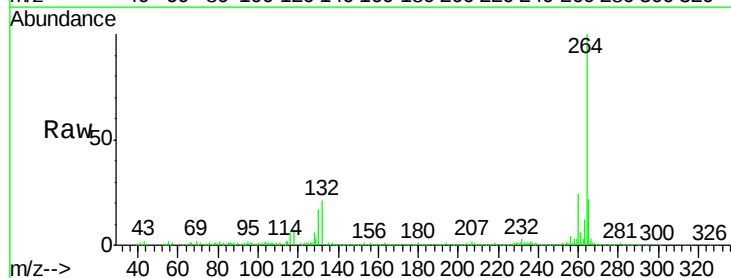
Instrument :
 BNA_F
 ClientSampleID :

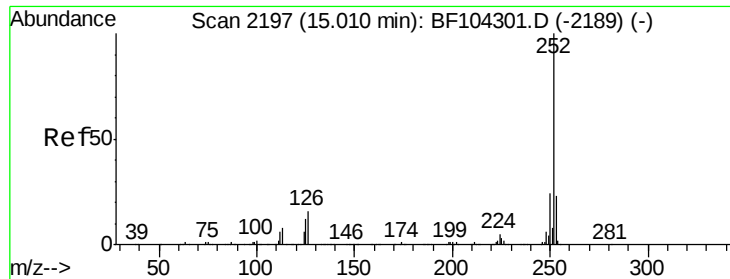
Tot Ion:276 Resp: 74728
 Ion Ratio Lower Upper
 276 100
 138 23.1 25.0 37.6#
 277 24.6 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: BF104478.D
 Acq: 13 Apr 2018 15:07

Tgt Ion:264 Resp: 248528
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 21.7 17.5 26.3

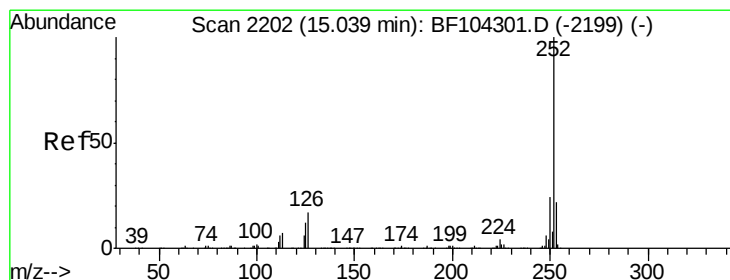
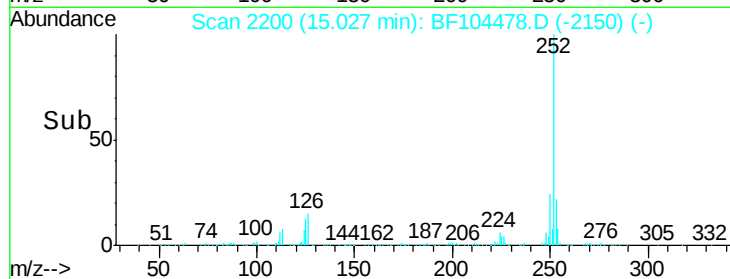
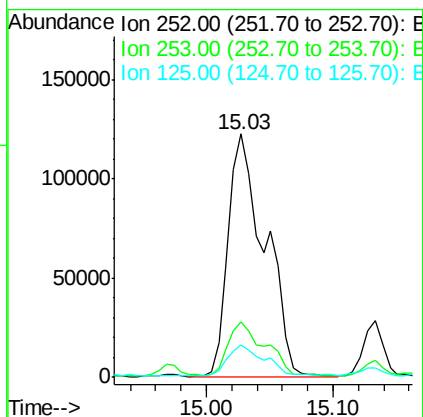
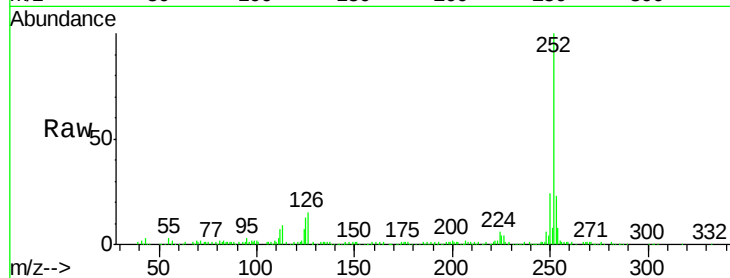




#87
Benzo(b)fluoranthene
Concen: 15.621 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

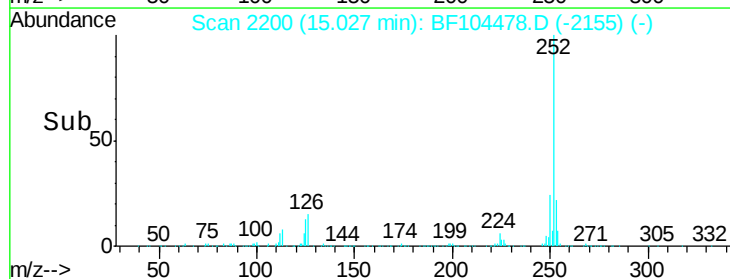
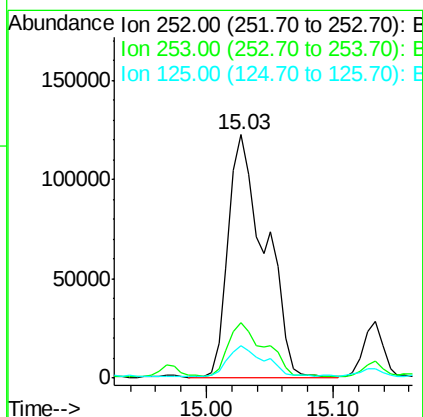
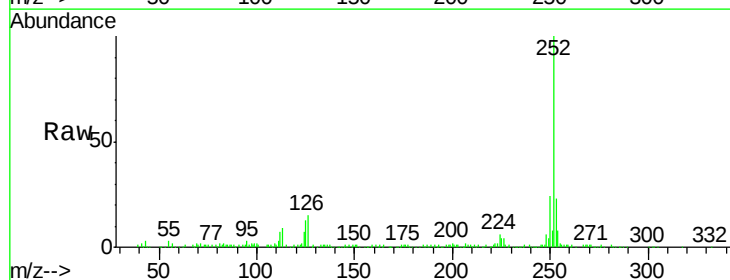
Instrument :
BNA_F
ClientSampleId :

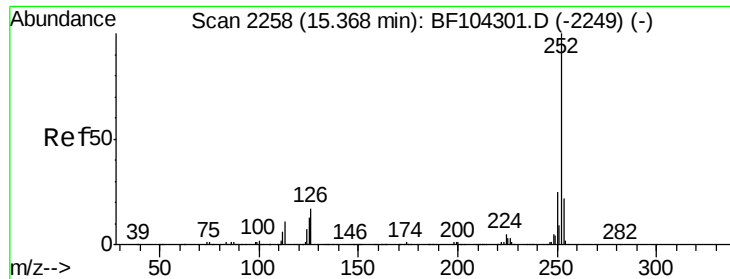
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	13.4	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 16.546 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.04 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	13.4	10.2	15.2

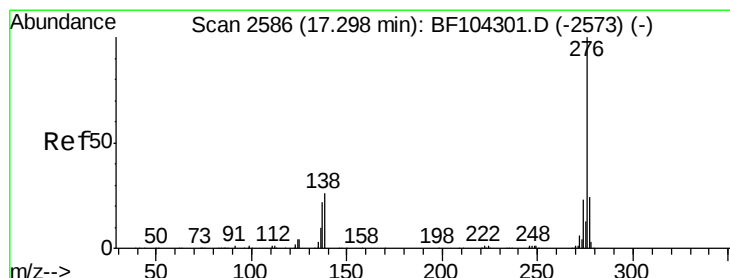
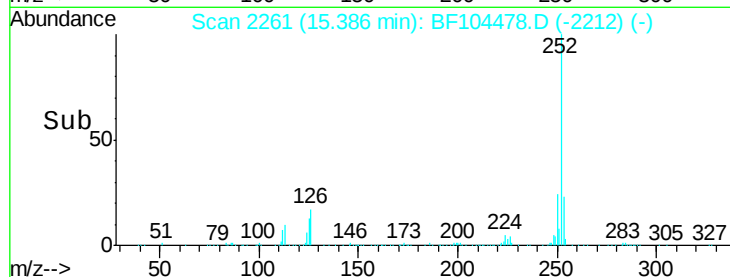
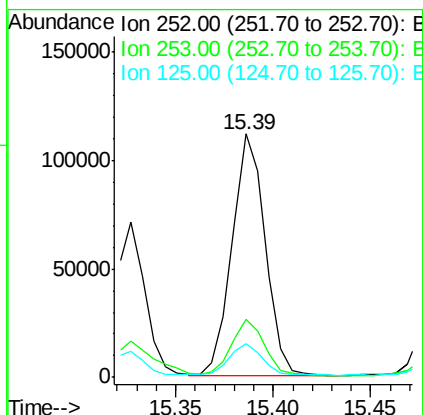
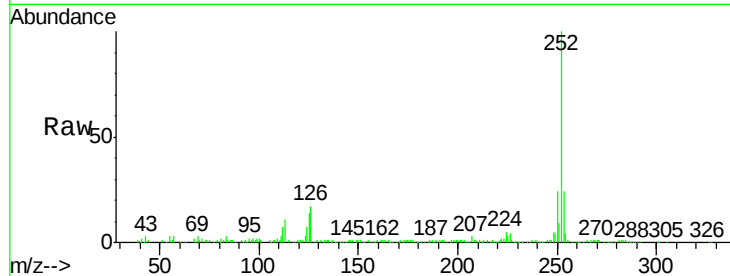




#89
Benzo(a)pyrene
Concen: 9.437 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	13.8	9.8	14.6



#91
Benzo(g,h,i)perylene
Concen: 5.520 ng
RT: 17.34 min Scan# 2594
Delta R.T. -0.02 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	26.5	21.8	32.8

