

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104477.D
 Acq On : 13 Apr 2018 14:41
 Operator : JU/SJ
 Sample : J2348-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 13 17:40:05 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	137393	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	567172	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	261925	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	452680	20.00	ng	0.00
75) Chrysene-d12	13.99	240	288304	20.00	ng	0.00
86) Perylene-d12	15.46	264	271677	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	893023	99.39	ng	0.00
7) Phenol-d6	6.45	99	1088150	98.56	ng	0.00
23) Nitrobenzene-d5	7.37	82	686804	79.07	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	273793	100.77	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1105763	66.69	ng	0.00
78) Terphenyl-d14	12.93	244	969251	76.65	ng	0.00

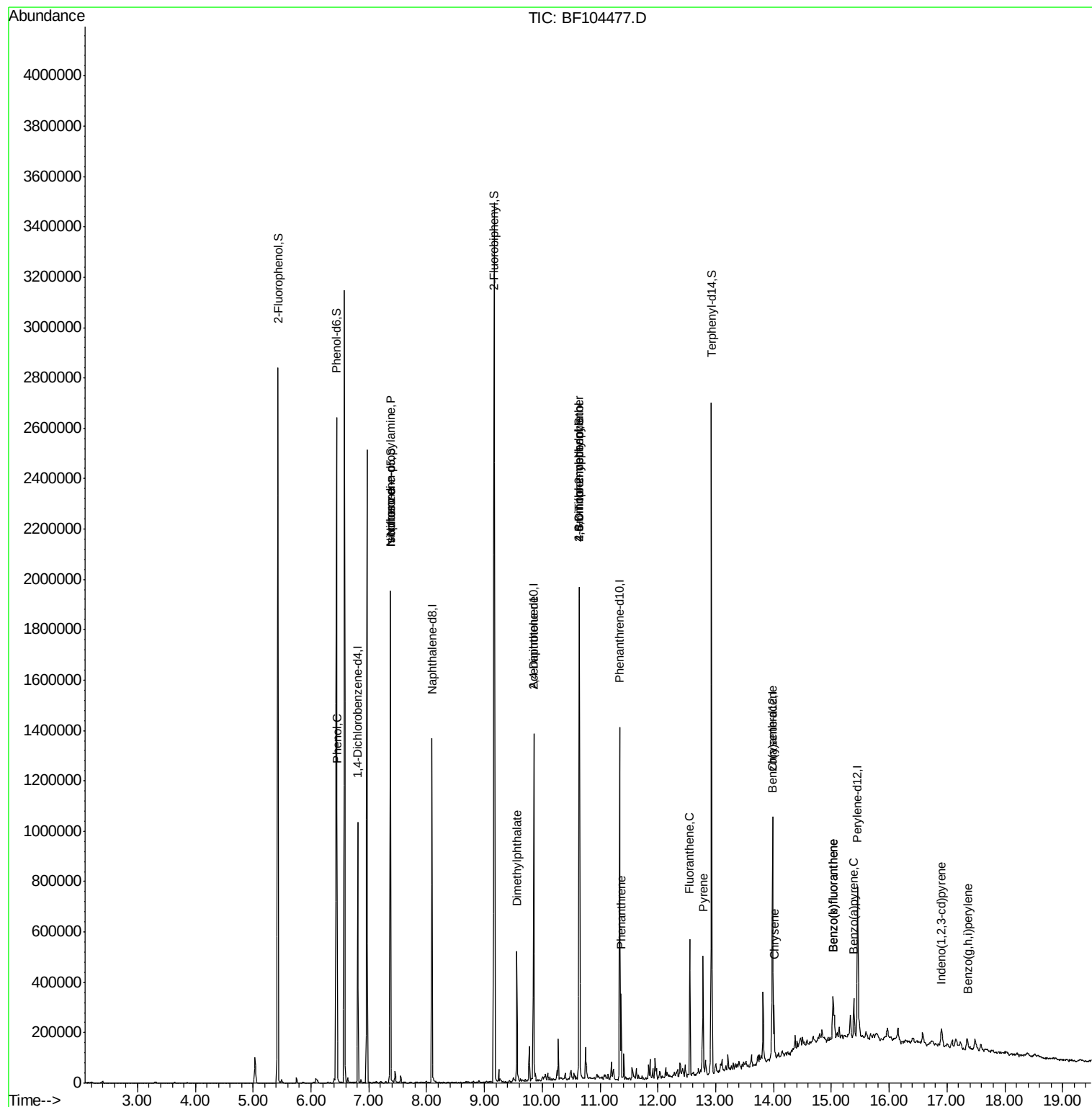
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.46	94	41993	3.585	ng	92
19) n-Nitroso-di-n-propylamine	7.37	70	90730	12.576	ng	# 72
25) Isophorone	7.37	82	686797	37.392	ng	# 64
49) Dimethylphthalate	9.56	163	184105	8.913	ng	99
56) 2,4-Dinitrotoluene	9.85	165	33117	6.606	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	594	7.575	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	16617	3.451	ng	# 1
70) Phenanthrene	11.36	178	115615	4.586	ng	96
74) Fluoranthene	12.55	202	203417	7.723	ng	99
76) Benzidine	12.93	184	13119	Below Cal		98
77) Pyrene	12.78	202	175218	8.199	ng	98
80) Benzo(a)anthracene	13.97	228	89330	5.186	ng	98
82) Chrysene	14.01	228	75486	4.267	ng	97
85) Indeno(1,2,3-cd)pyrene	16.91	276	39943	2.658	ng	92
87) Benzo(b)fluoranthene	15.03	252	126049	7.346	ng	# 94
88) Benzo(k)fluoranthene	15.03	252	126049	7.781	ng	97
89) Benzo(a)pyrene	15.39	252	71304	4.644	ng	97
91) Benzo(a,h,i)perylene	17.35	276	39370	3.223	ng	95

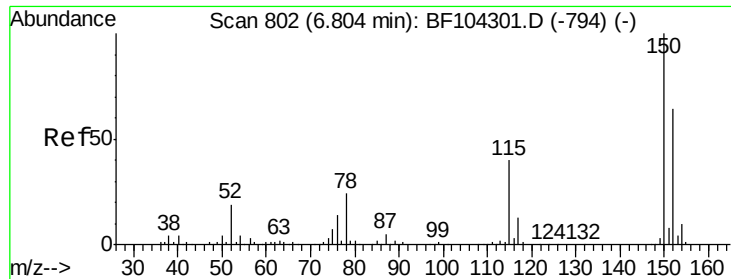
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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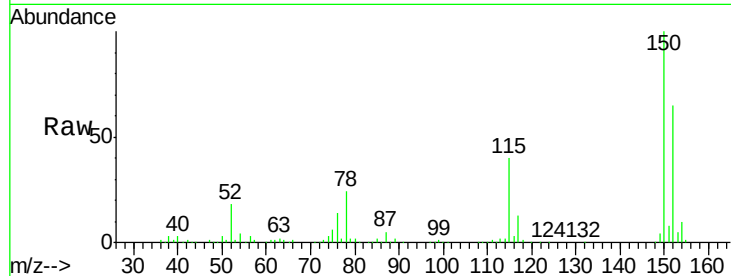


#1

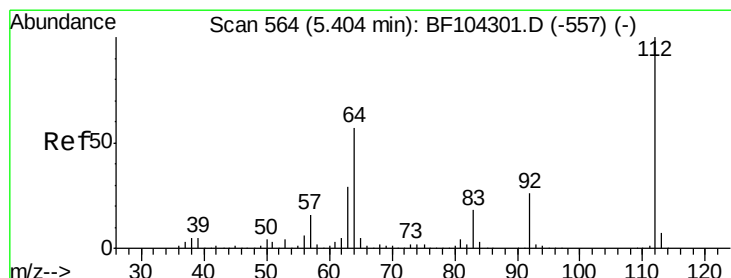
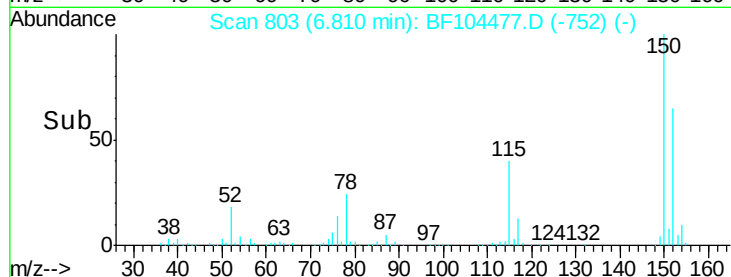
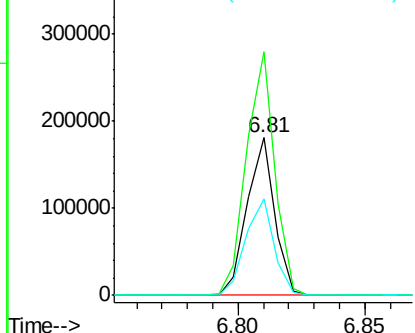
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104477.D
Acq: 13 Apr 2018 14:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 137393
Ion Ratio Lower Upper
152 100
150 154.8 124.6 186.8
115 61.5 50.1 75.1



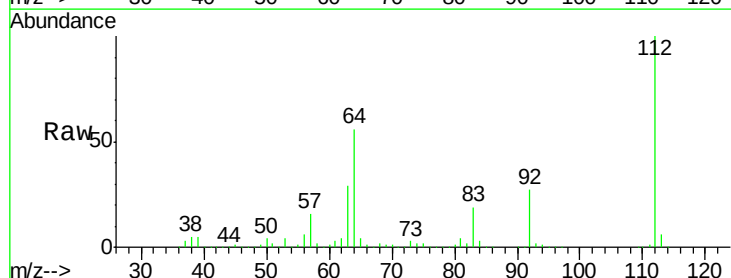
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



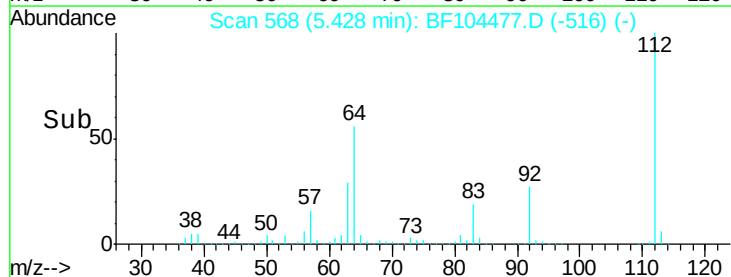
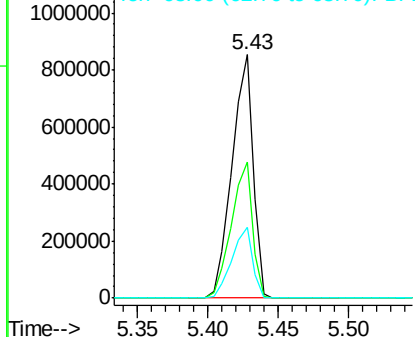
#5

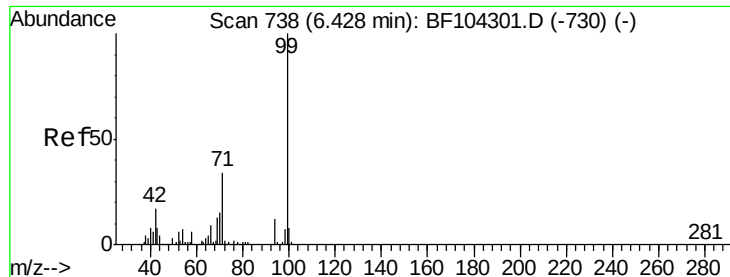
2-Fluorophenol
Concen: 99.385 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104477.D
Acq: 13 Apr 2018 14:41

Tgt Ion:112 Resp: 893023
Ion Ratio Lower Upper
112 100
64 55.7 47.9 71.9
63 29.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 98.562 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104477.D

Acq: 13 Apr 2018 14:41

Instrument :

BNA_F

ClientSampleId :

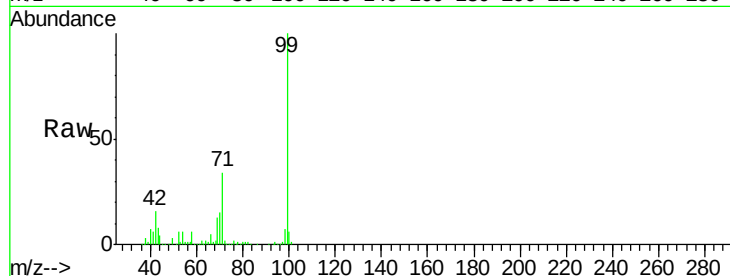
Tot Ion: 99 Resp: 1088150

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

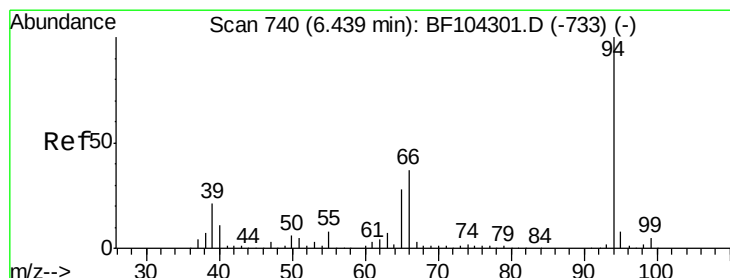
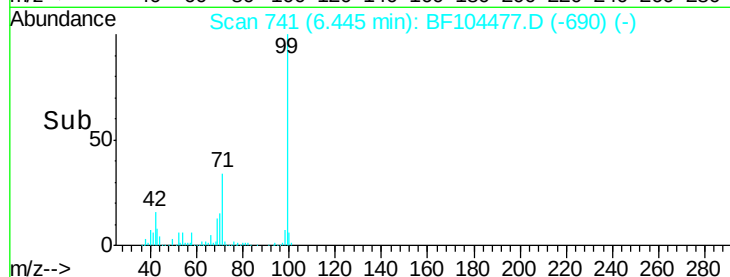
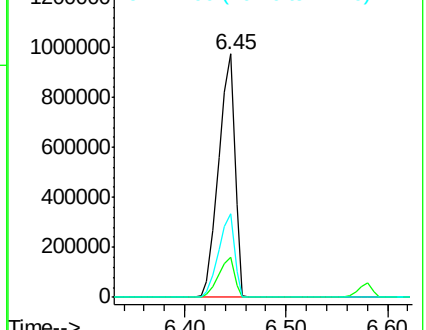
71 34.3 25.4 38.0



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



#10

Phenol

Concen: 3.585 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF104477.D

Acq: 13 Apr 2018 14:41

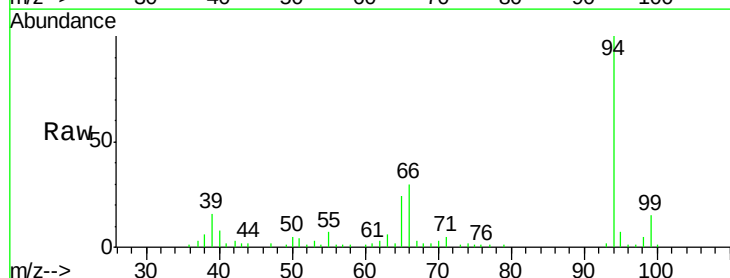
Tgt Ion: 94 Resp: 41993

Ion Ratio Lower Upper

94 100

65 24.3 7.9 47.9

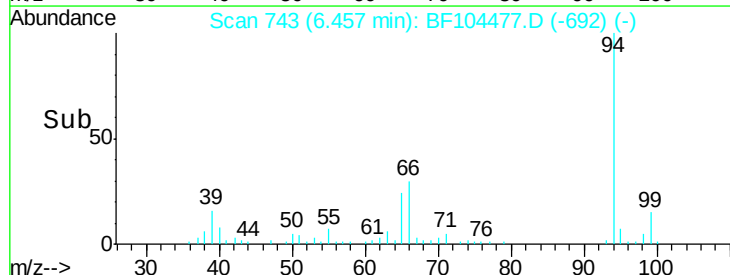
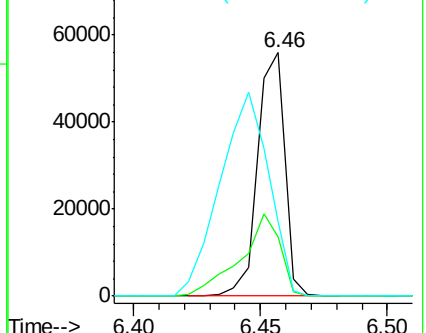
66 30.5 16.2 56.2

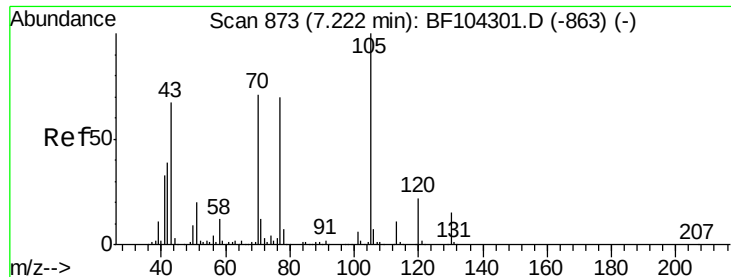


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

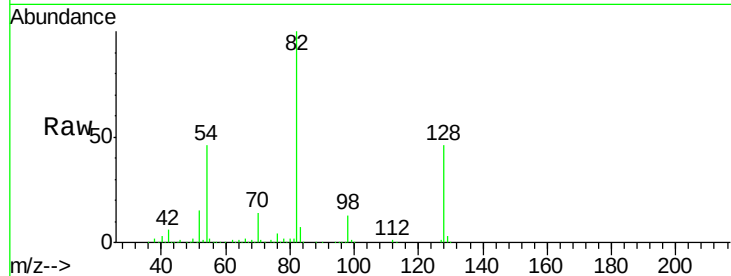




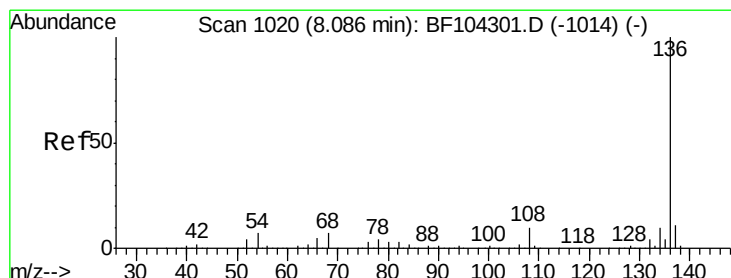
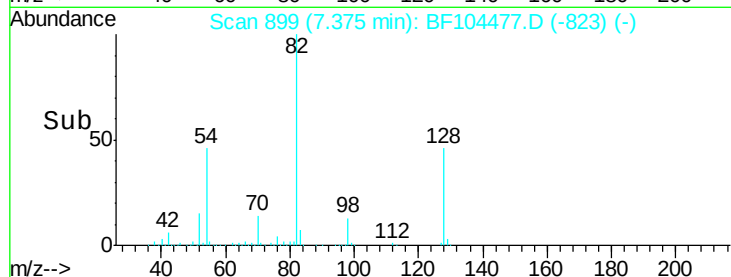
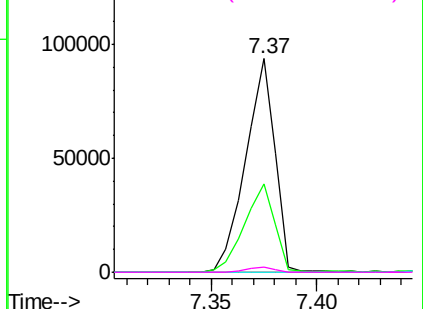
#19
n-Nitroso-di-n-propylamine
Concen: 12.576 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.15 min
Lab File: BF104477.D
Acq: 13 Apr 2018 14:41

Instrument :
BNA_F
ClientSampled :

Tot Ion: 70 Resp: 90730
Ion Ratio Lower Upper
70 100
42 41.5 47.5 71.3#
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#

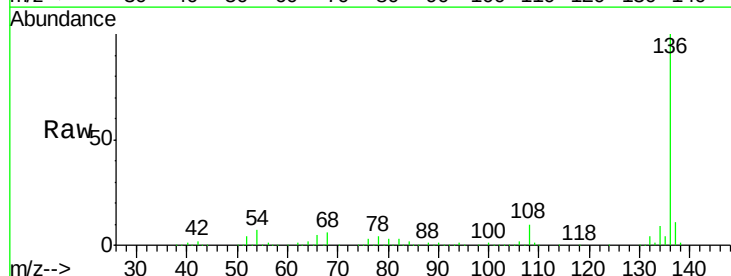


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

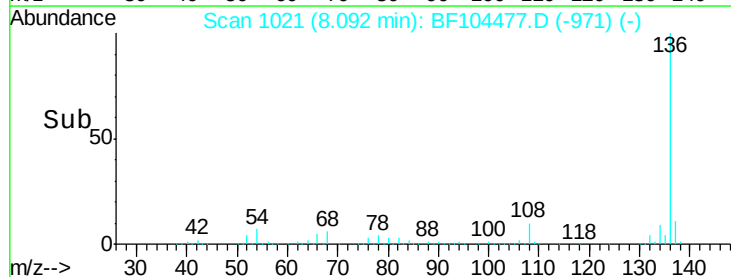
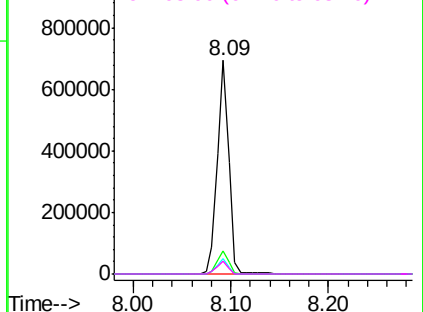


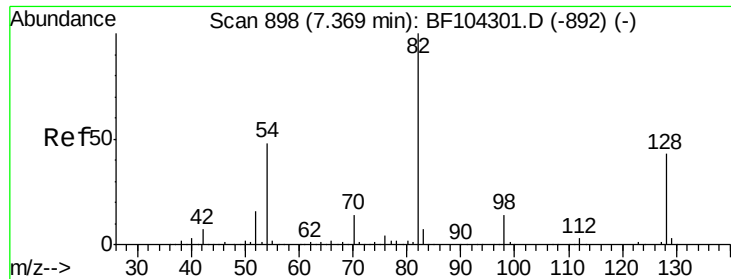
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF104477.D
Acq: 13 Apr 2018 14:41

Tgt Ion: 136 Resp: 567172
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.1 6.6 9.8
68 5.9 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

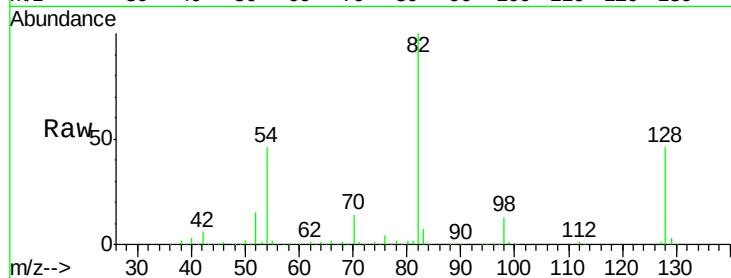




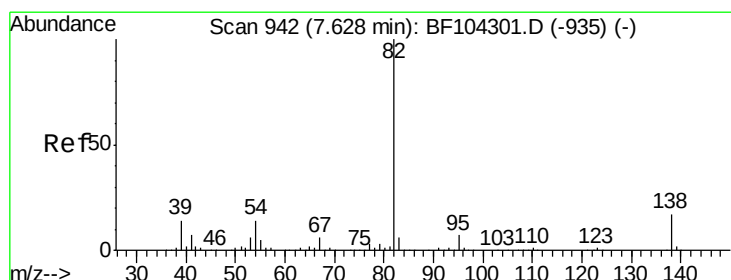
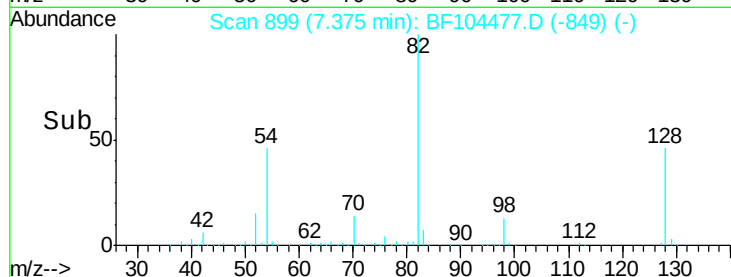
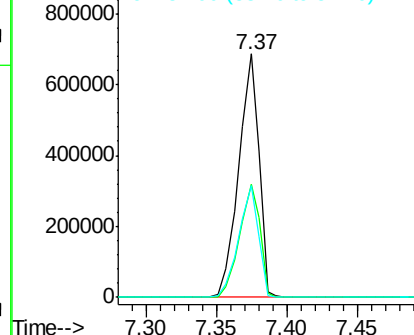
#23
Nitrobenzene-d5
Concen: 79.071 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104477.D
Acq: 13 Apr 2018 14:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 686804
Ion Ratio Lower Upper
82 100
128 46.4 36.1 54.1
54 45.8 41.4 62.2

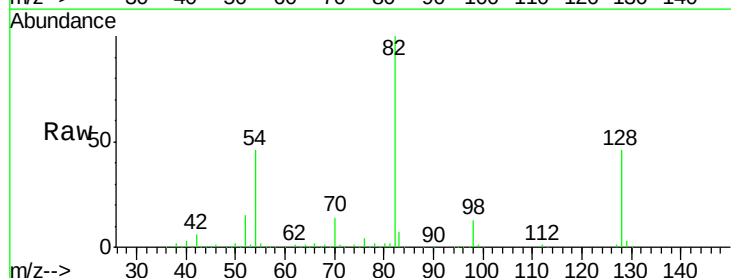


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

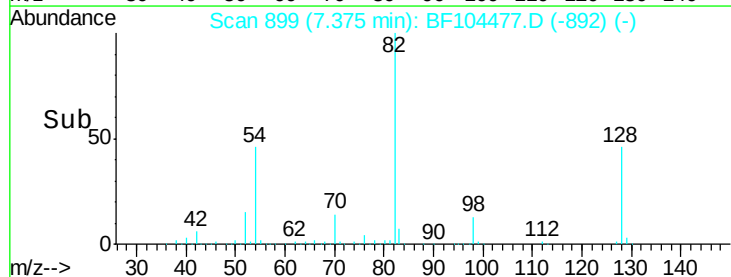
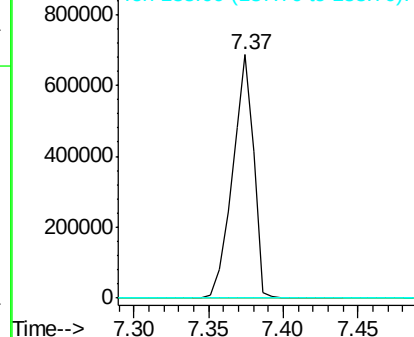


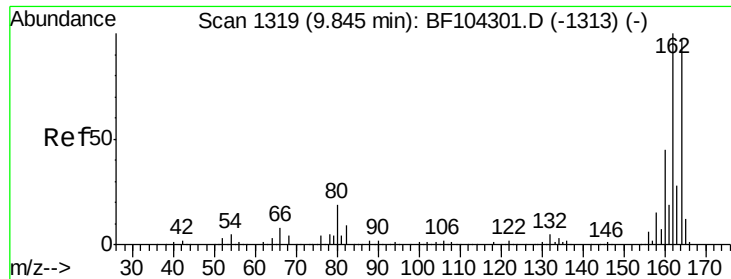
#25
Isophorone
Concen: 37.392 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF104477.D
Acq: 13 Apr 2018 14:41

Tgt Ion: 82 Resp: 686797
Ion Ratio Lower Upper
82 100
95 0.1 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

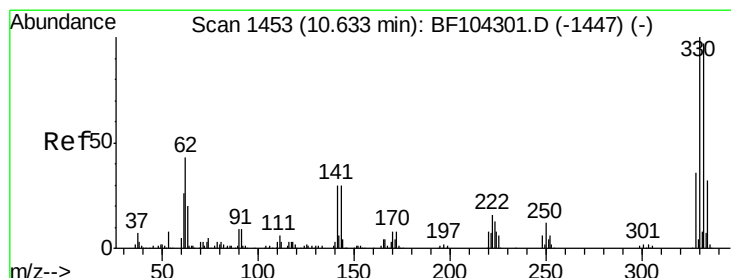
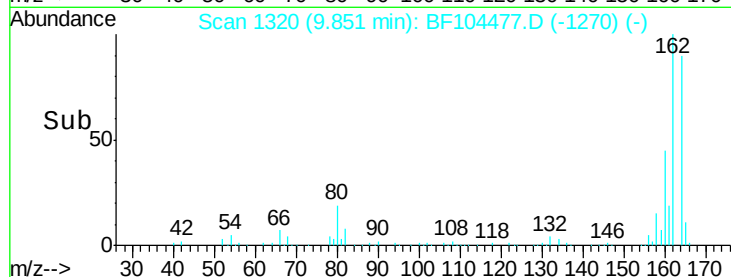
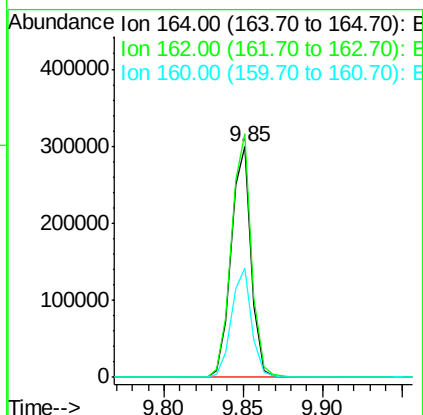
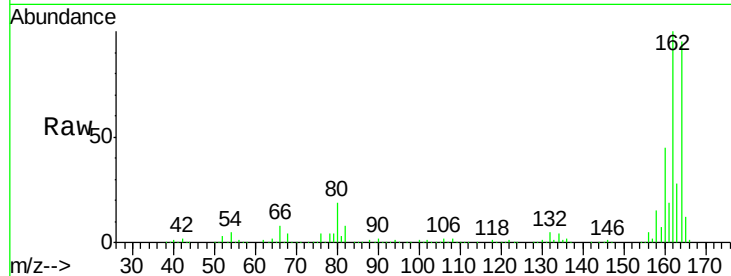




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF104477.D
 Acq: 13 Apr 2018 14:41

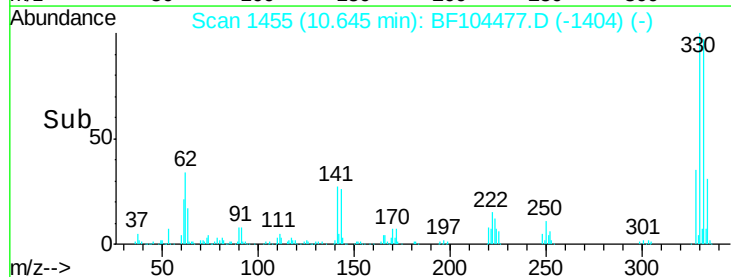
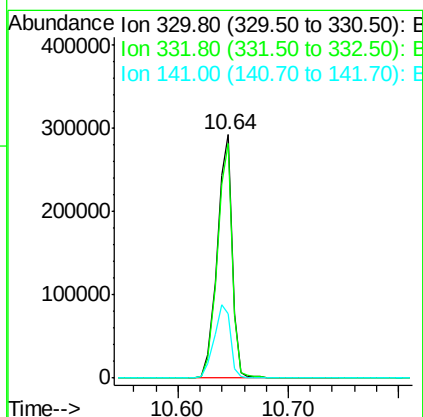
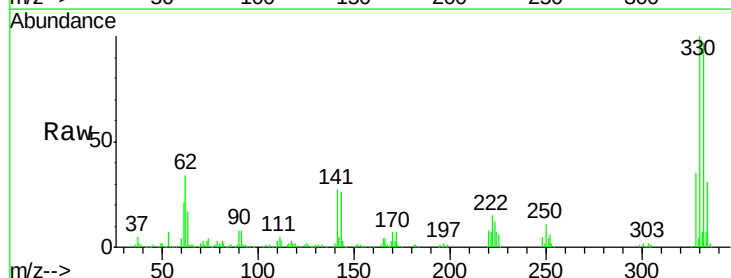
Instrument :
 BNA_F
 ClientSampleId :

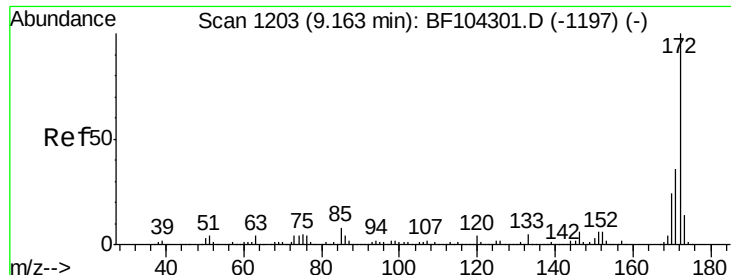
Tot Ion:164 Resp: 261925
 Ion Ratio Lower Upper
 164 100
 162 105.6 86.1 129.1
 160 47.6 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 100.770 ng
 RT: 10.64 min Scan# 1455
 Delta R.T. -0.00 min
 Lab File: BF104477.D
 Acq: 13 Apr 2018 14:41

Tgt Ion:330 Resp: 273793
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 33.0 29.9 44.9

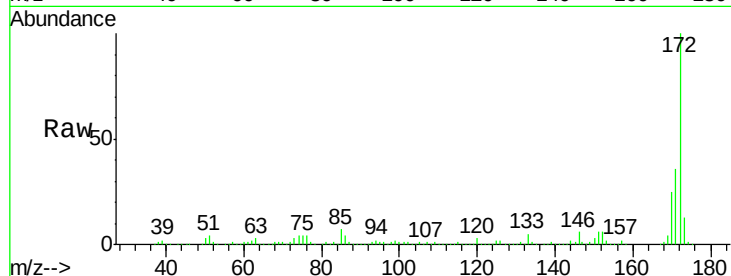




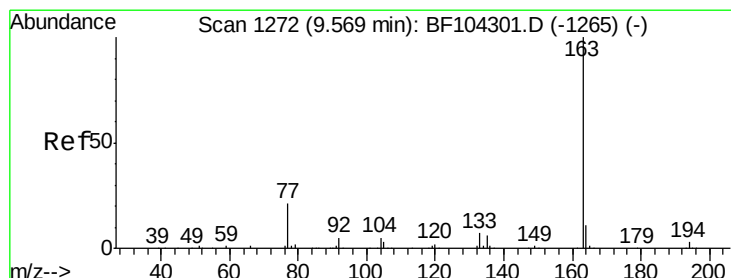
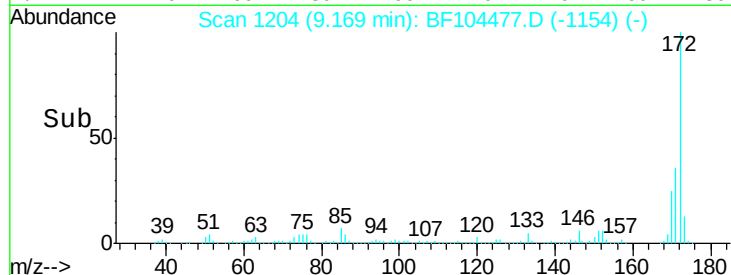
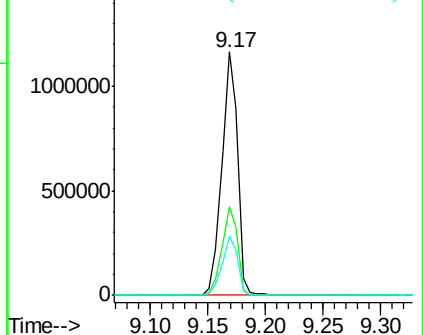
#44
2-Fluorobiphenyl
Concen: 66.692 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF104477.D
Acq: 13 Apr 2018 14:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1105763
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 24.5 19.6 29.4

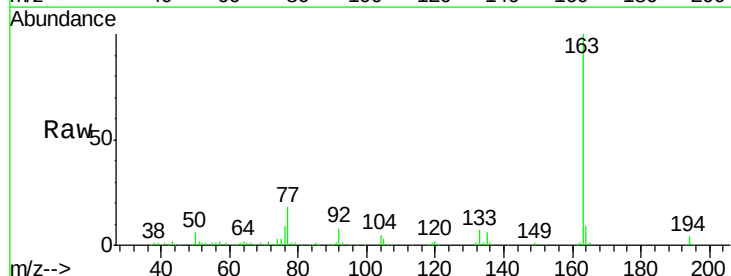


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

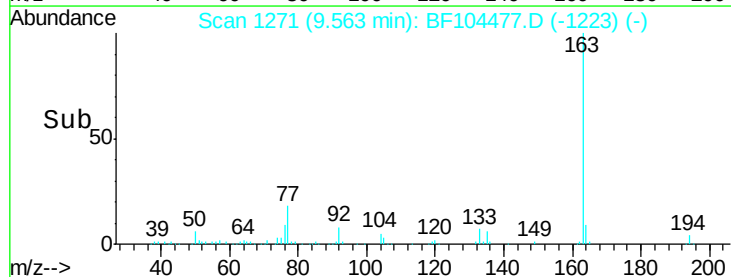
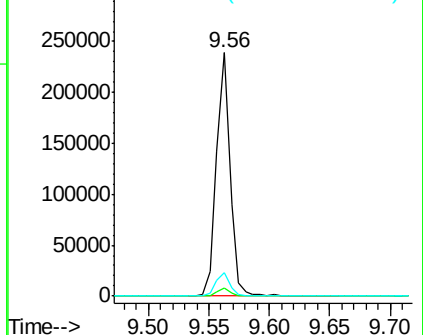


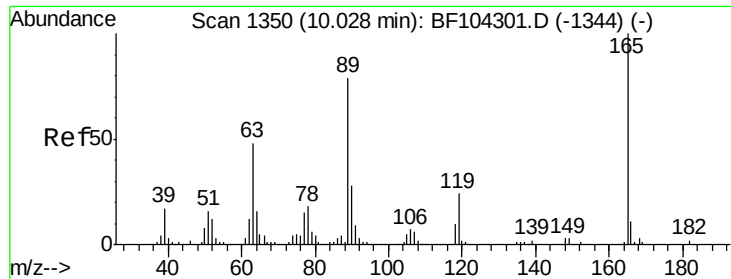
#49
Dimethylphthalate
Concen: 8.913 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF104477.D
Acq: 13 Apr 2018 14:41

Tgt Ion:163 Resp: 184105
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.5 8.2 12.2



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

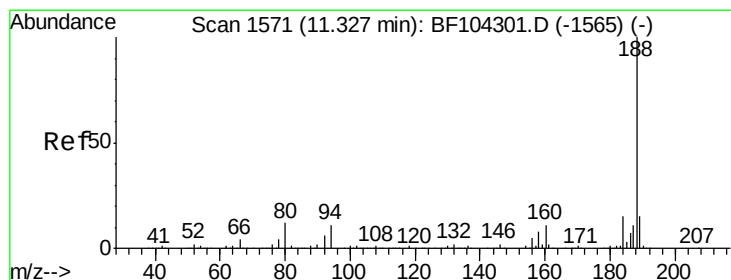
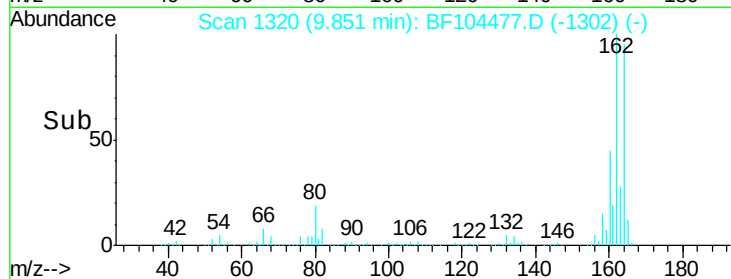
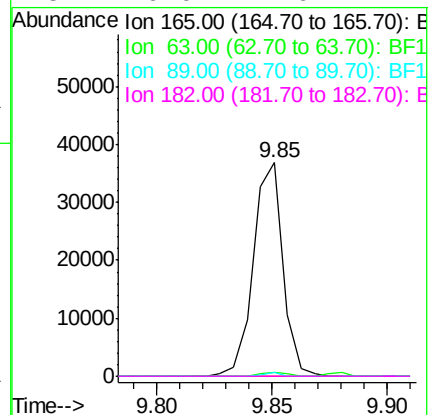
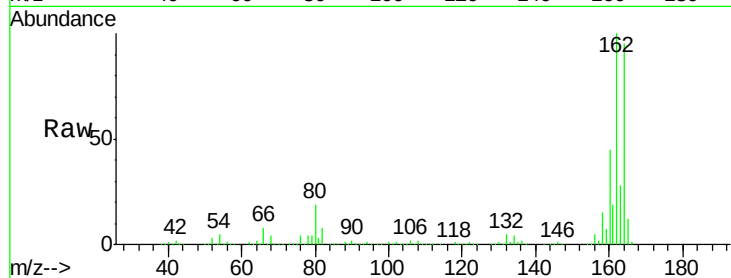




#56
 2,4-Dinitrotoluene
 Concen: 6.606 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF104477.D
 Acq: 13 Apr 2018 14:41

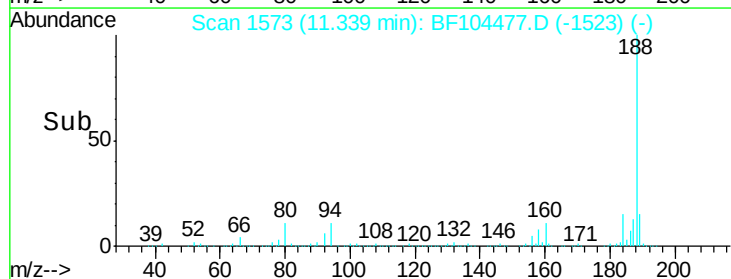
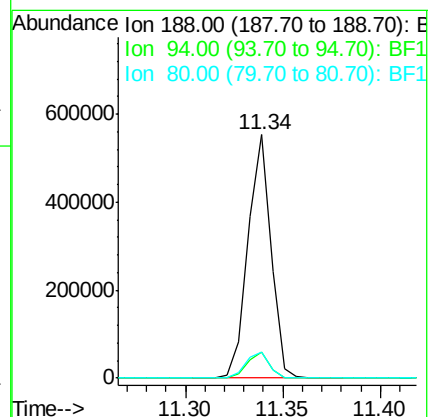
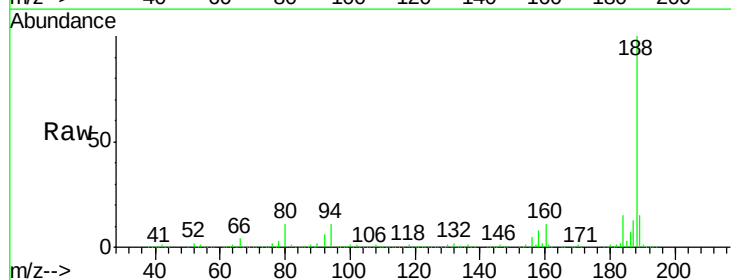
Instrument :
 BNA_F
 ClientSampleId :

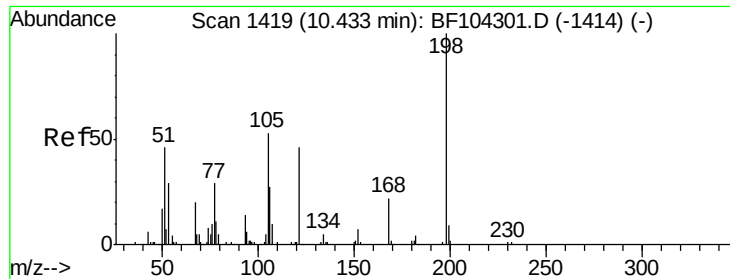
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF104477.D
 Acq: 13 Apr 2018 14:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.5	12.7
80	10.7	9.2	13.8

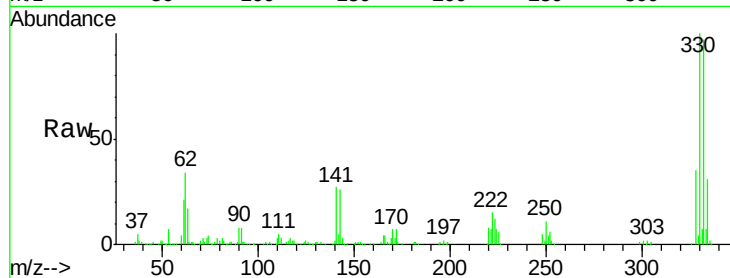




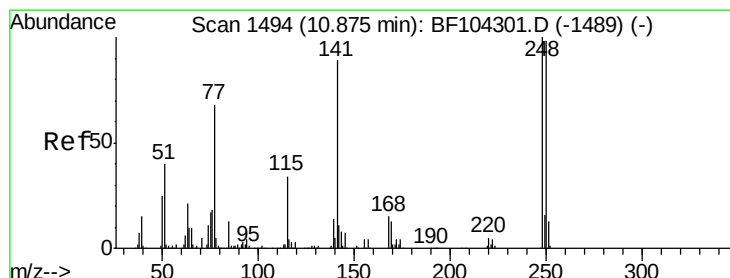
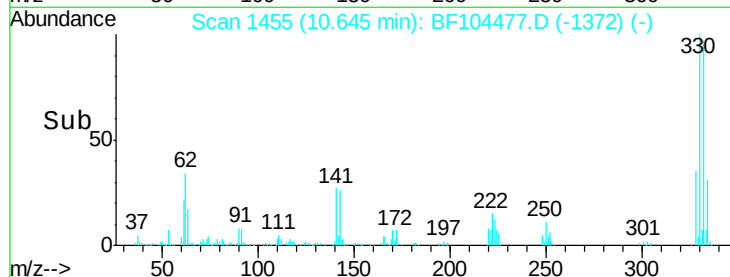
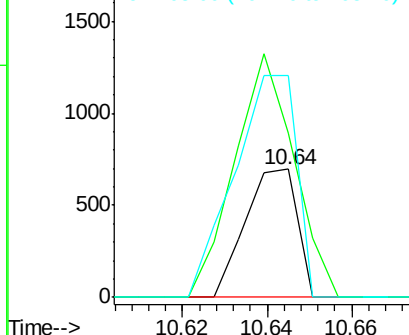
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.575 ng
 RT: 10.64 min Scan# 1455
 Delta R.T. 0.19 min
 Lab File: BF104477.D
 Acq: 13 Apr 2018 14:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 594
 Ion Ratio Lower Upper
 198 100
 51 128.2 37.7 77.7#
 105 173.5 36.3 76.3#

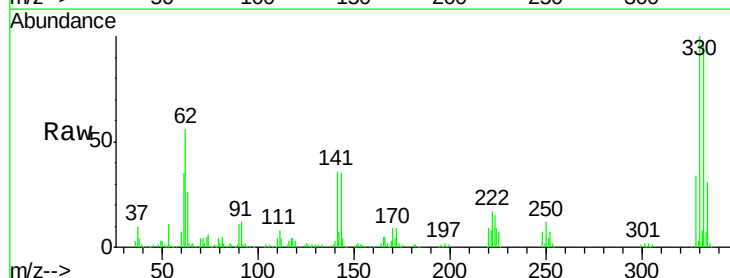


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

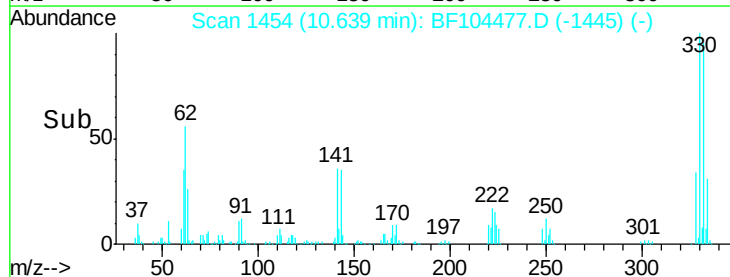
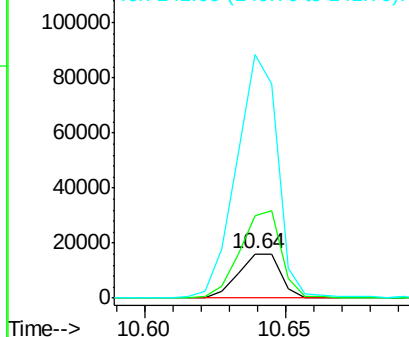


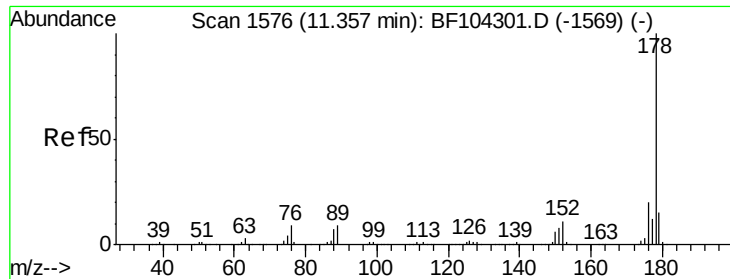
#66
 4-Bromophenyl-phenylether
 Concen: 3.451 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.25 min
 Lab File: BF104477.D
 Acq: 13 Apr 2018 14:41

Tgt Ion:248 Resp: 16617
 Ion Ratio Lower Upper
 248 100
 250 184.6 76.9 115.3#
 141 549.4 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

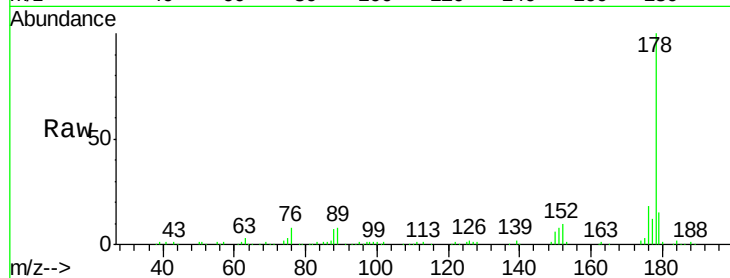




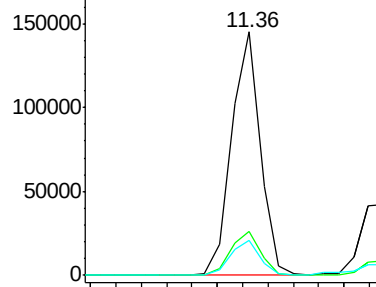
#70
Phenanthrene
Concen: 4.586 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF104477.D
Acq: 13 Apr 2018 14:41

Instrument :
BNA_F
ClientSampleId :

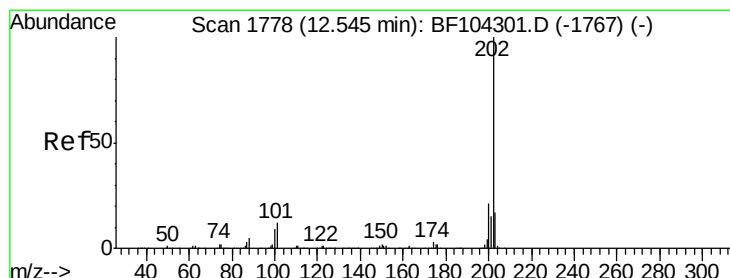
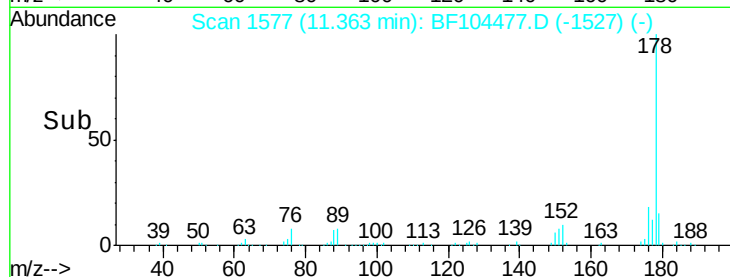
Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.8	23.8
179	14.5	13.0	19.6



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

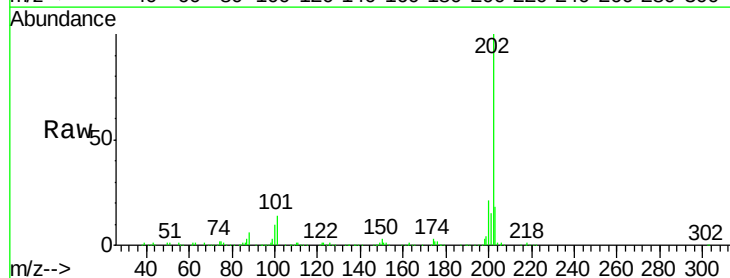


Time--> 11.30 11.35 11.40

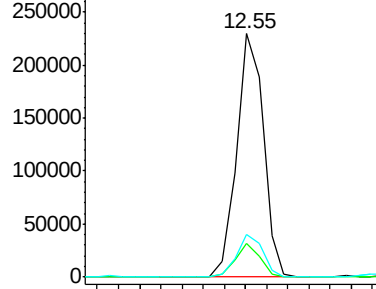


#74
Fluoranthene
Concen: 7.723 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.01 min
Lab File: BF104477.D
Acq: 13 Apr 2018 14:41

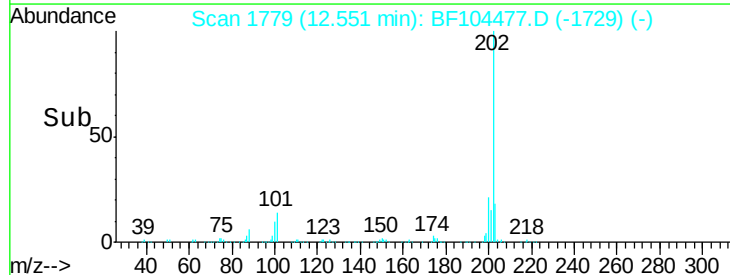
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	34.1
203	17.7	0.0	38.1

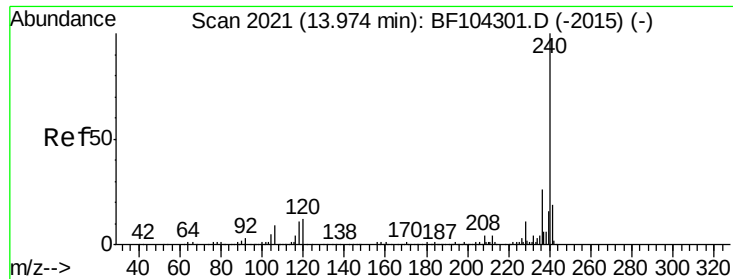


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 12.50 12.55 12.60





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF104477.D

Acq: 13 Apr 2018 14:41

Instrument :

BNA_F

ClientSampleId :

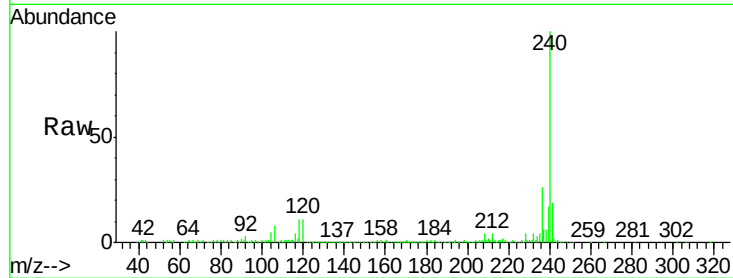
Tot Ion:240 Resp: 288304

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

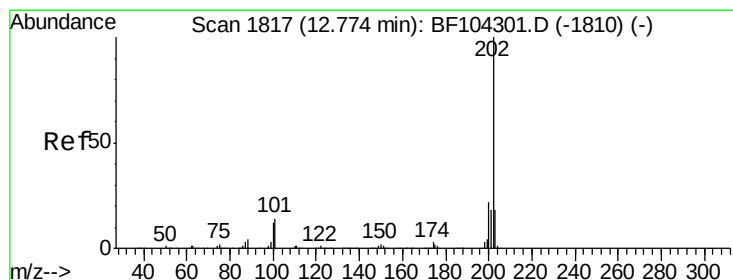
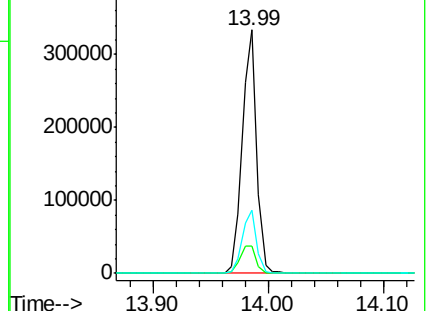
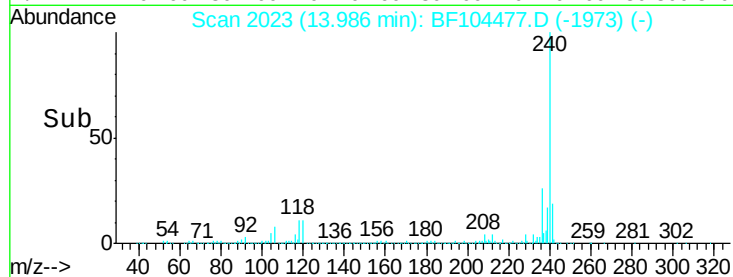
236 26.0 20.7 31.1



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

Pyrene

Concen: 8.199 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF104477.D

Acq: 13 Apr 2018 14:41

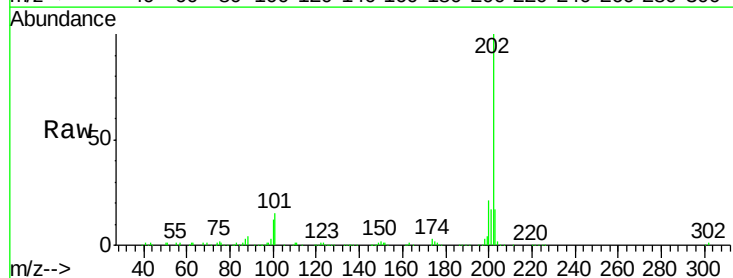
Tgt Ion:202 Resp: 175218

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

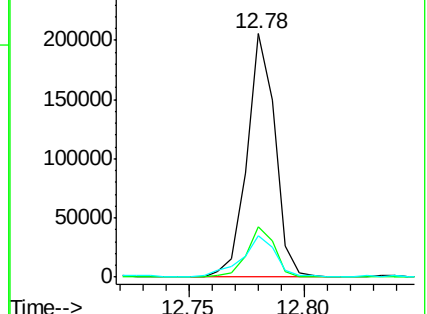
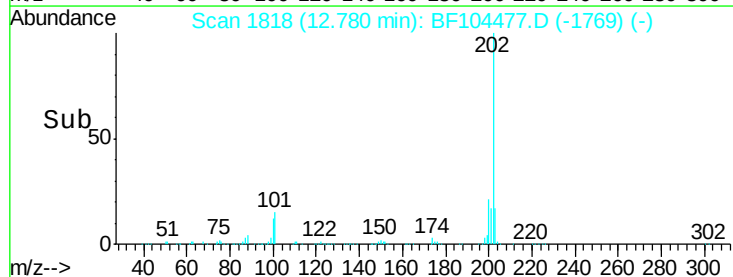
203 17.1 14.3 21.5

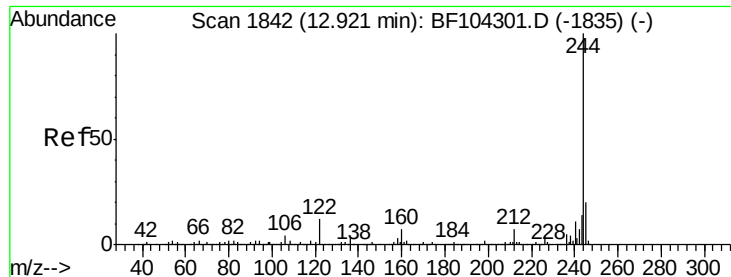


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 76.646 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF104477.D

Acq: 13 Apr 2018 14:41

Instrument :

BNA_F

ClientSampleId :

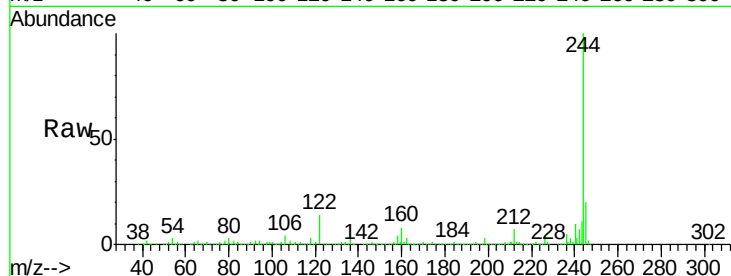
Tot Ion:244 Resp: 969251

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

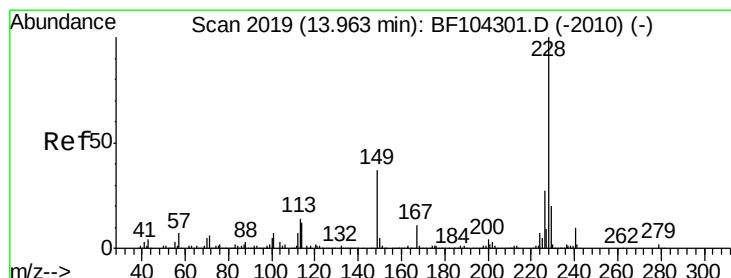
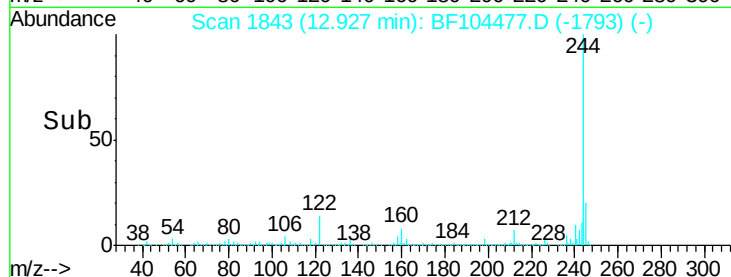
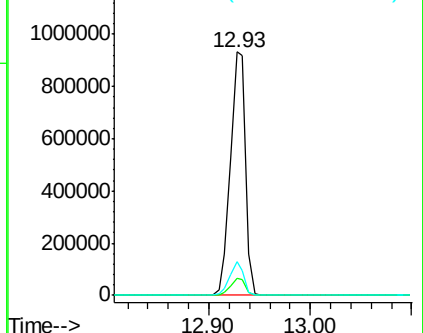
122 13.7 11.0 16.4



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: 5.186 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104477.D

Acq: 13 Apr 2018 14:41

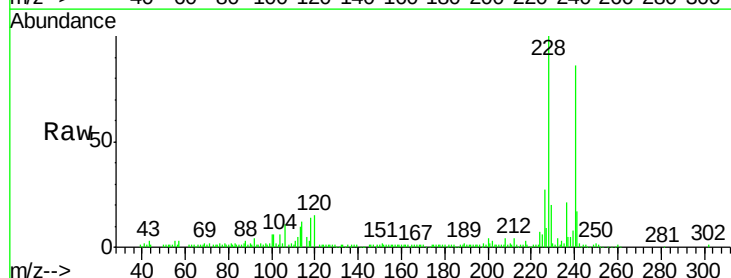
Tgt Ion:228 Resp: 89330

Ion Ratio Lower Upper

228 100

226 26.9 22.6 33.8

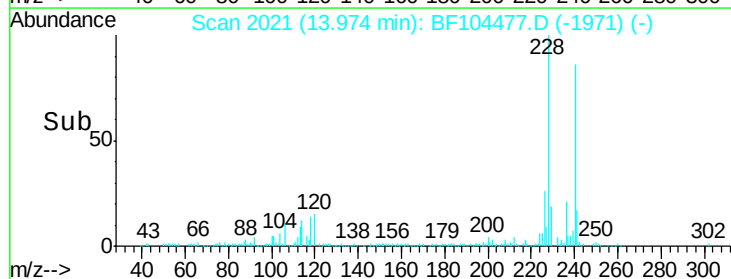
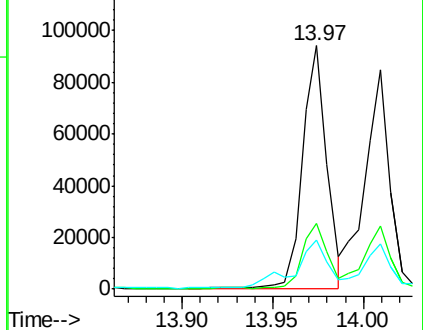
229 20.2 15.8 23.6

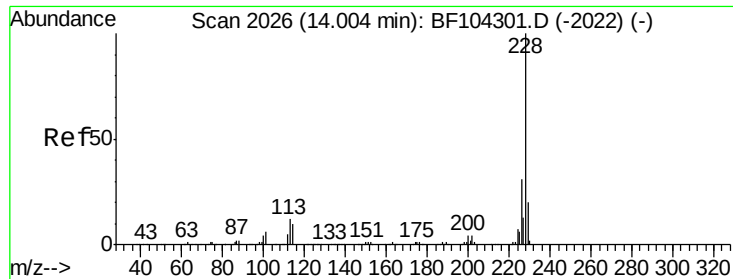


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

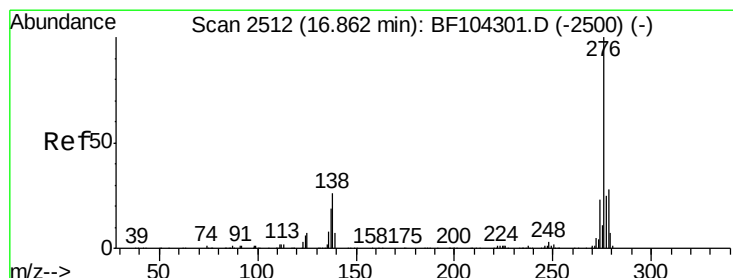
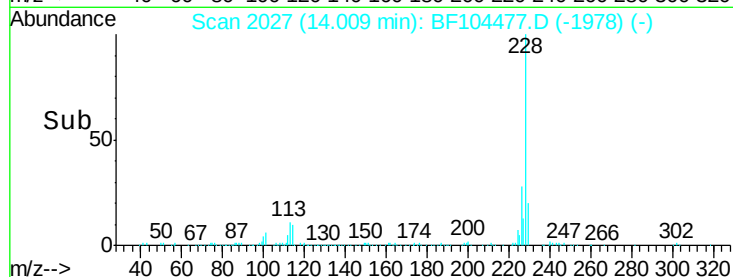
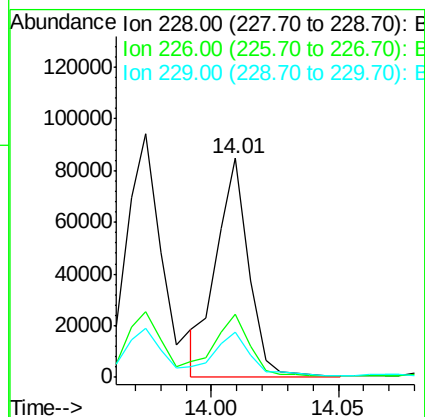
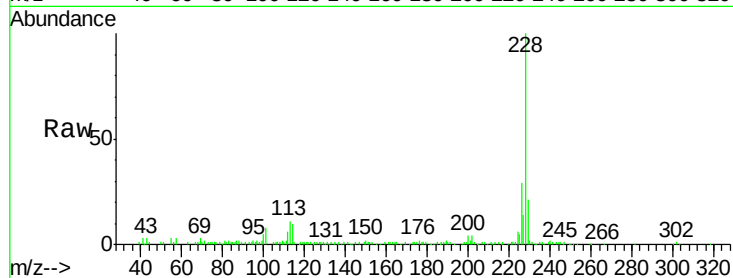




#82
Chrysene
Concen: 4.267 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF104477.D
Acq: 13 Apr 2018 14:41

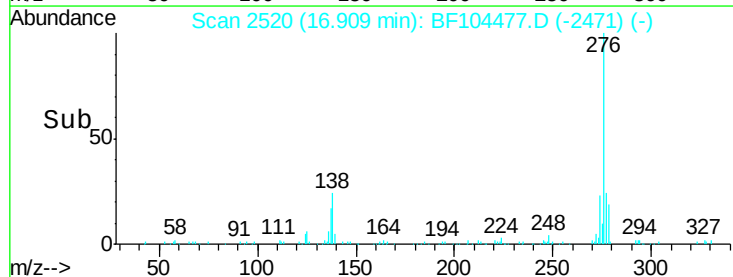
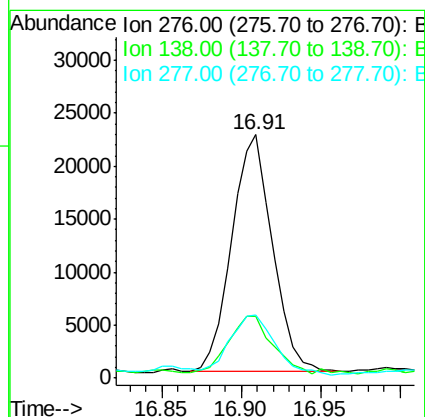
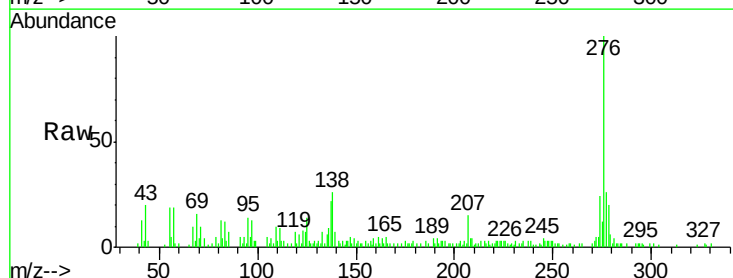
Instrument :
BNA_F
ClientSampleId :

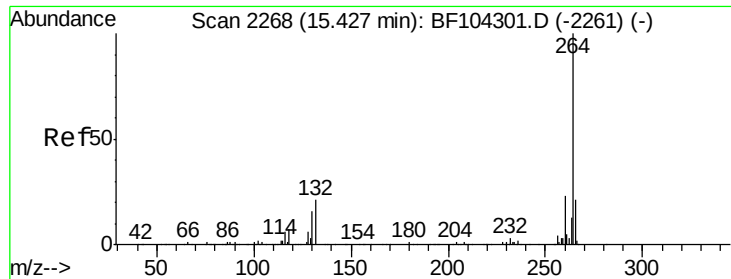
Tot Ion:228 Resp: 75486
Ion Ratio Lower Upper
228 100
226 28.8 25.0 37.6
229 20.8 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.658 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BF104477.D
Acq: 13 Apr 2018 14:41

Tgt Ion:276 Resp: 39943
Ion Ratio Lower Upper
276 100
138 26.0 25.0 37.6
277 27.7 20.1 30.1

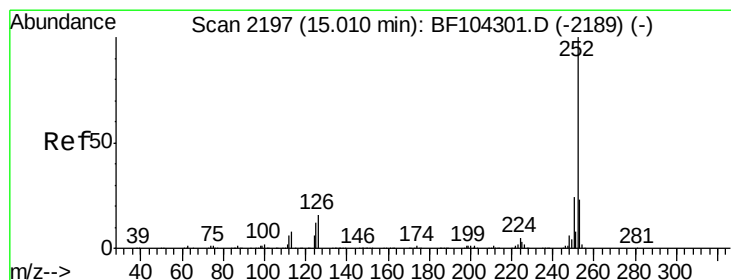
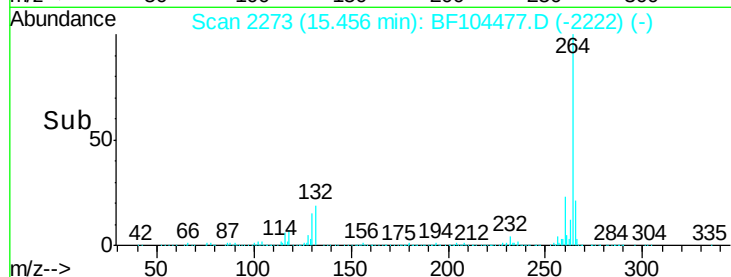
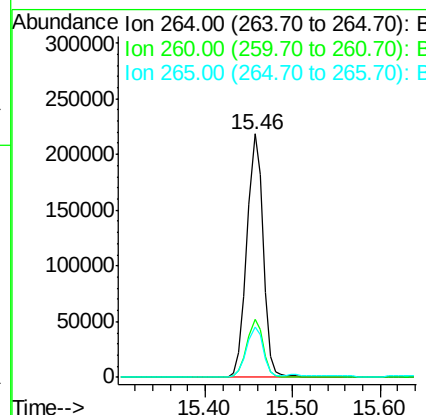
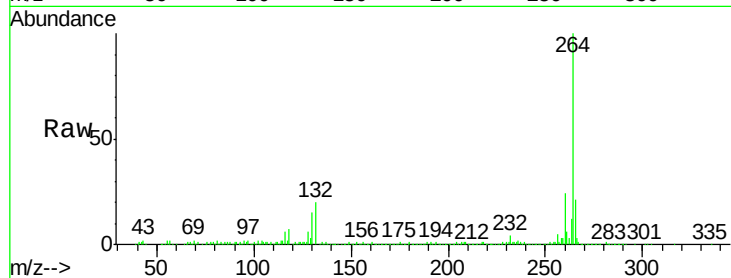




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BF104477.D
Acq: 13 Apr 2018 14:41

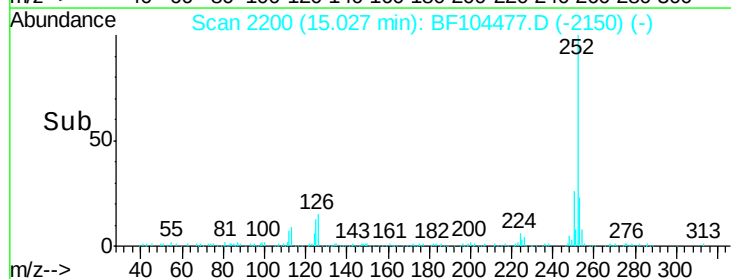
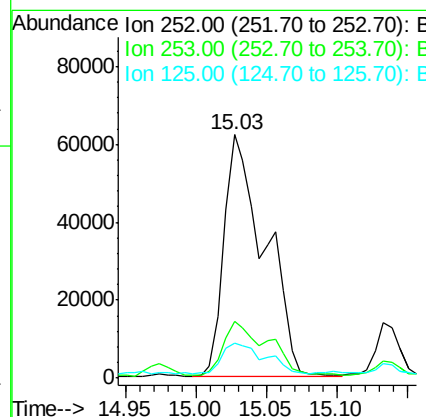
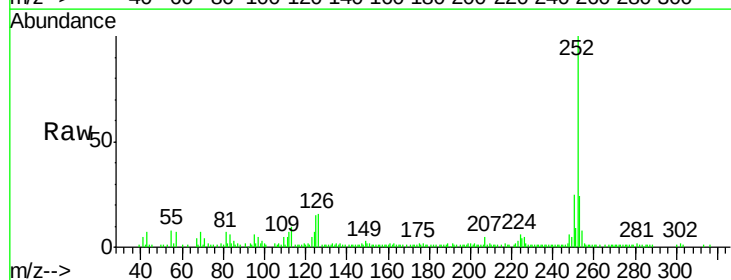
Instrument :
BNA_F
ClientSampled :

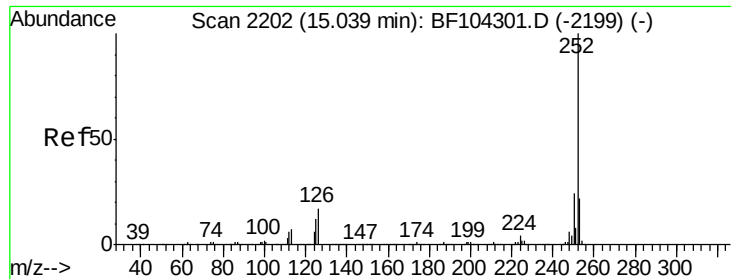
Tot Ion:264 Resp: 271677
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 20.8 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 7.346 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF104477.D
Acq: 13 Apr 2018 14:41

Tgt Ion:252 Resp: 126049
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 14.5 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 7.781 ng

RT: 15.03 min Scan# 2200

Delta R.T. -0.04 min

Lab File: BF104477.D

Acq: 13 Apr 2018 14:41

Instrument :

BNA_F

ClientSampleId :

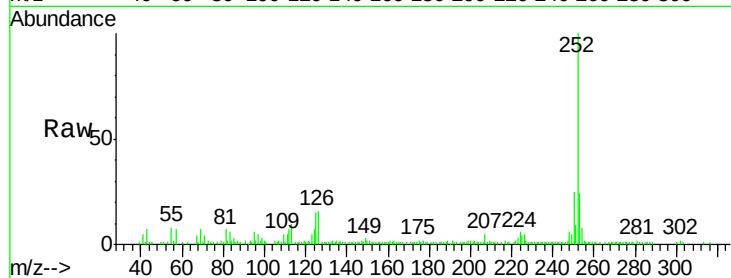
Tot Ion:252 Resp: 126049

Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

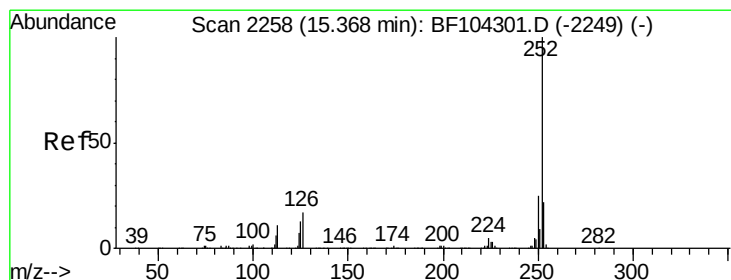
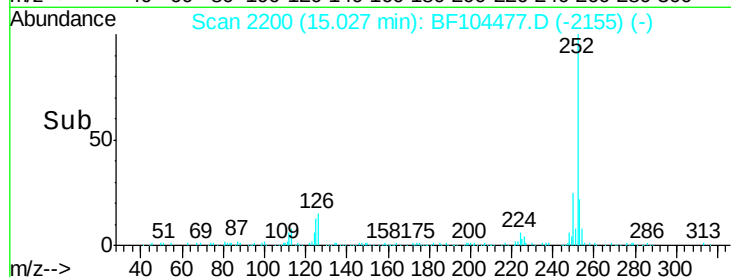
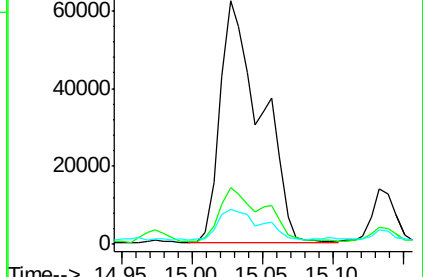
125 14.5 10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 4.644 ng

RT: 15.39 min Scan# 2262

Delta R.T. -0.01 min

Lab File: BF104477.D

Acq: 13 Apr 2018 14:41

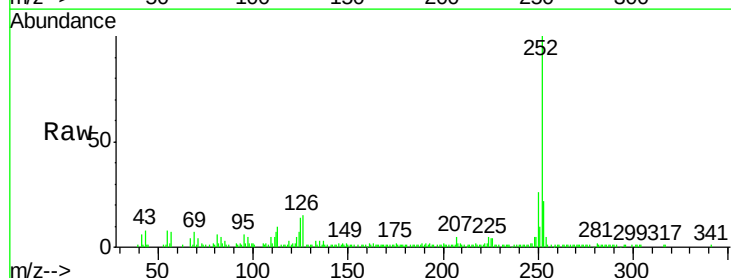
Tgt Ion:252 Resp: 71304

Ion Ratio Lower Upper

252 100

253 21.9 17.1 25.7

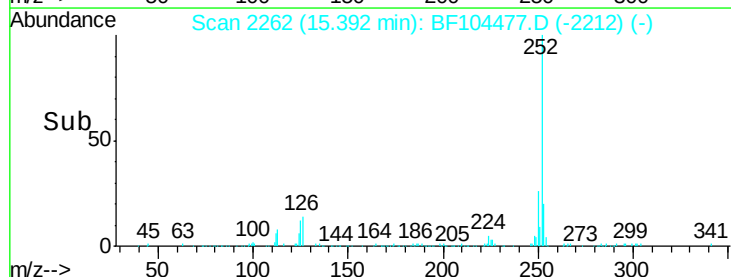
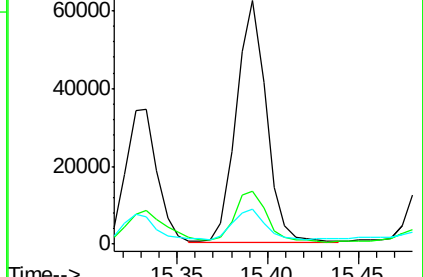
125 14.2 9.8 14.6

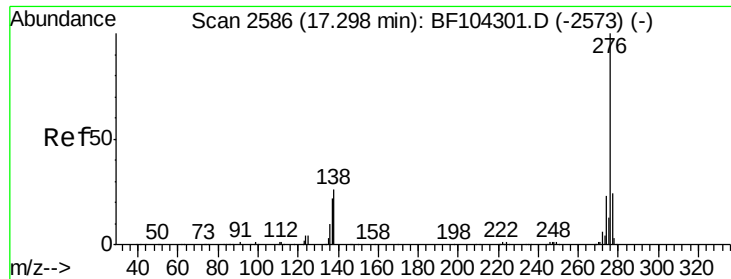


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 3.223 ng

RT: 17.35 min Scan# 2595

Delta R.T. -0.01 min

Lab File: BF104477.D

Acq: 13 Apr 2018 14:41

Instrument :

BNA_F

ClientSampleId :

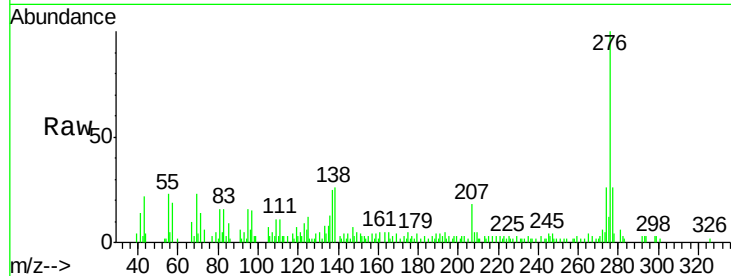
Tot Ion: 276 Resp: 39370

Ion Ratio Lower Upper

276 100

277 26.0 17.9 26.9

138 26.0 21.8 32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

