

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104485.D
 Acq On : 13 Apr 2018 18:14
 Operator : JU/SJ
 Sample : J2357-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 13 22:54:03 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

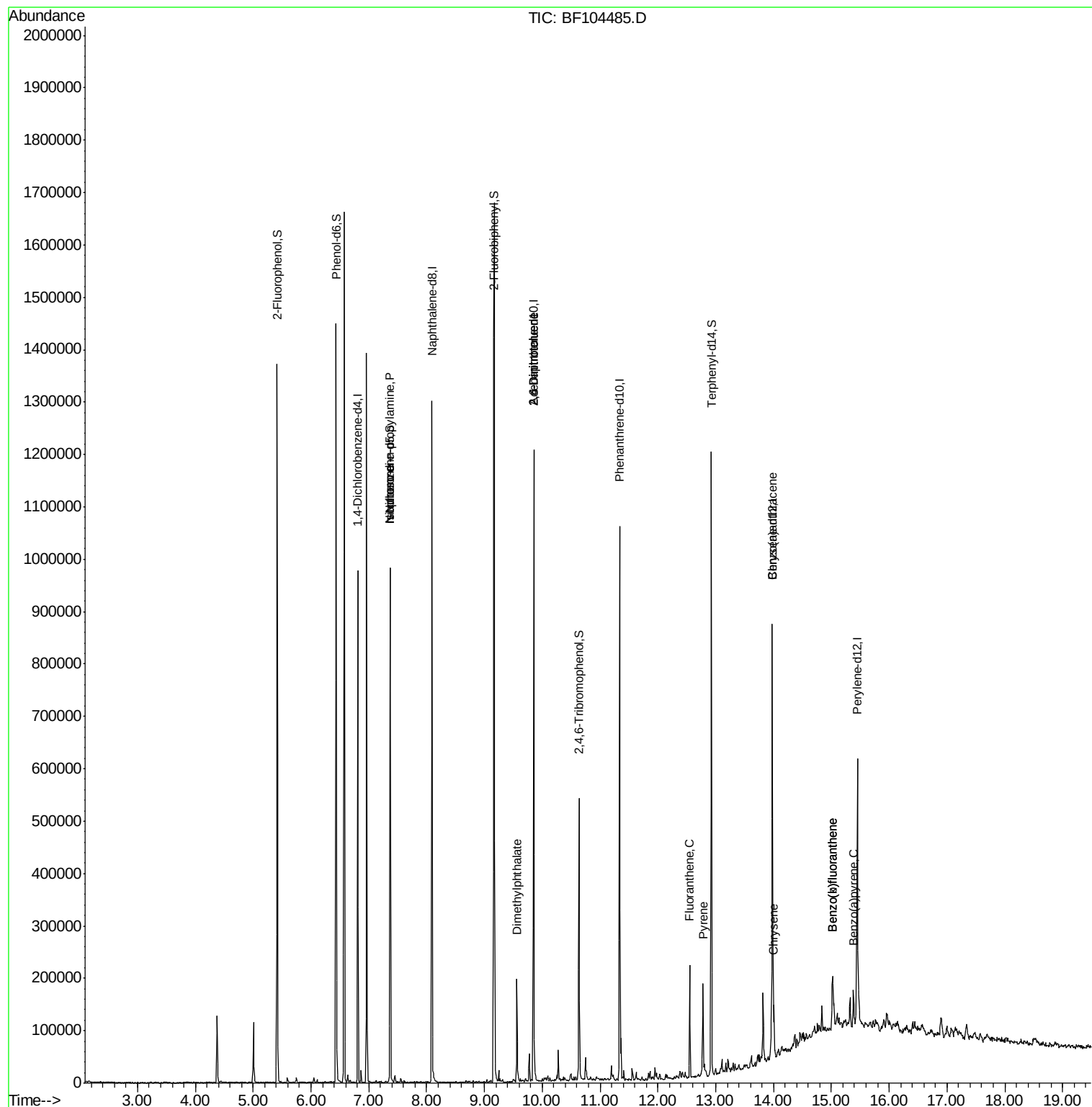
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	132772	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	535630	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	233005	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	360612	20.00	ng	0.00
75) Chrysene-d12	13.98	240	265974	20.00	ng	-0.01
86) Perylene-d12	15.45	264	228000	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	361914	41.68	ng	0.00
7) Phenol-d6	6.43	99	496509	46.54	ng	-0.01
23) Nitrobenzene-d5	7.37	82	304918	37.17	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	67606	27.97	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	518807	35.17	ng	0.00
78) Terphenyl-d14	12.92	244	376455	32.27	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.57	77	9008	Below Cal		Qvalue 80
19) n-Nitroso-di-n-propylamine	7.37	70	39341	5.643 ng	#	74
25) Isophorone	7.37	82	304914	17.578 ng	#	64
49) Dimethylphthalate	9.56	163	84250	4.585 ng		99
50) 2,6-Dinitrotoluene	9.85	165	30594	8.998 ng	#	26
56) 2,4-Dinitrotoluene	9.85	165	30594	6.860 ng	#	23
74) Fluoranthene	12.55	202	75395	3.593 ng		96
76) Benzydine	12.69	184	387	Below Cal	#	66
77) Pyrene	12.78	202	68712	3.485 ng		99
80) Benzo(a)anthracene	13.97	228	40179	2.529 ng		94
82) Chrysene	14.01	228	42270	2.590 ng		96
87) Benzo(b)fluoranthene	15.02	252	69973	4.859 ng	#	94
88) Benzo(k)fluoranthene	15.02	252	69973	5.147 ng		97
89) Benzo(a)pyrene	15.39	252	33078	2.567 ng	#	93

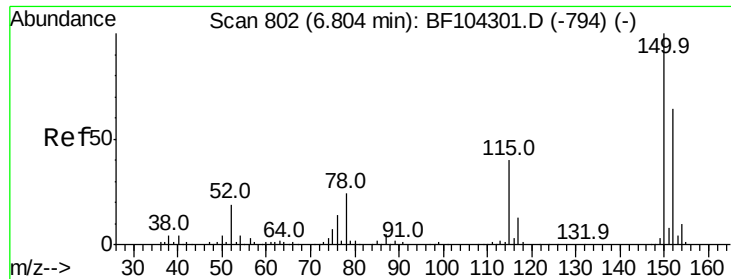
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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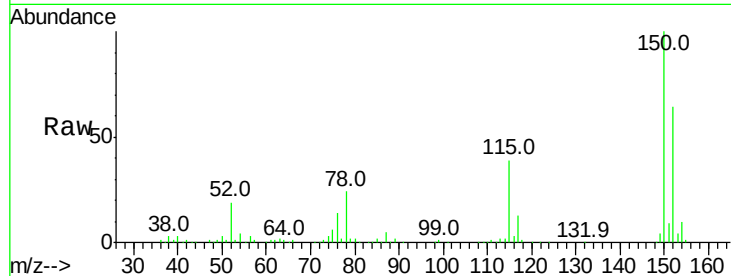


#1

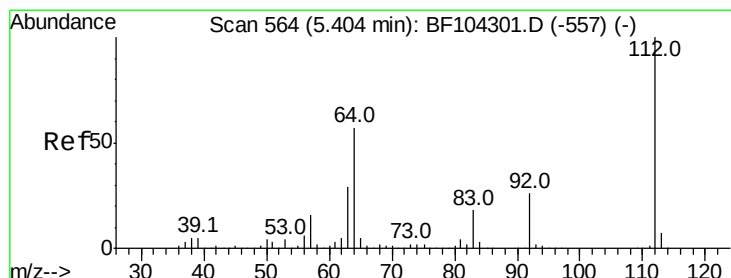
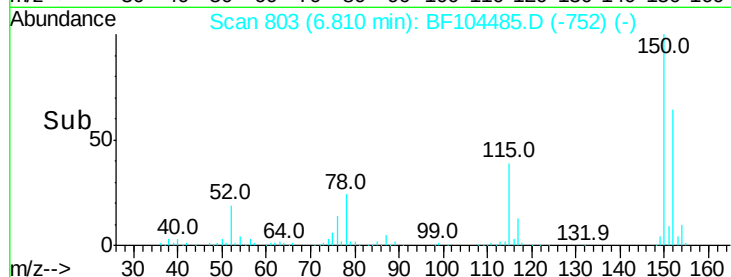
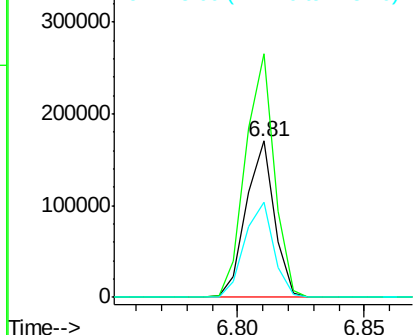
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104485.D
Acq: 13 Apr 2018 18:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 132772
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 61.2 50.1 75.1



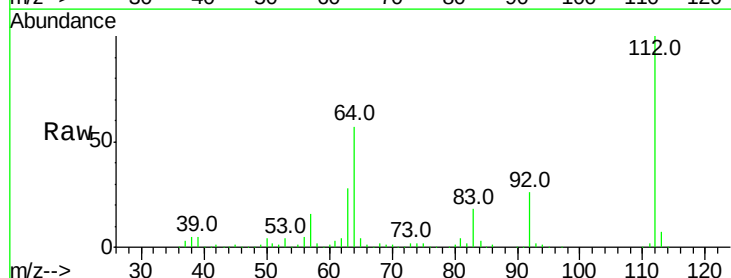
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



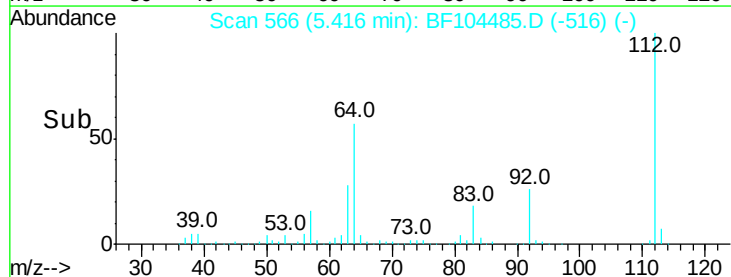
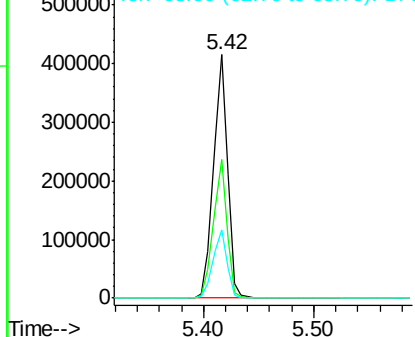
#5

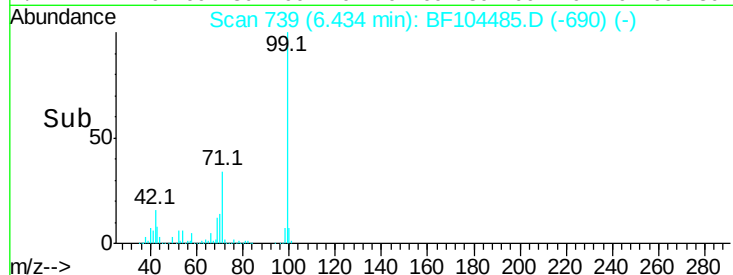
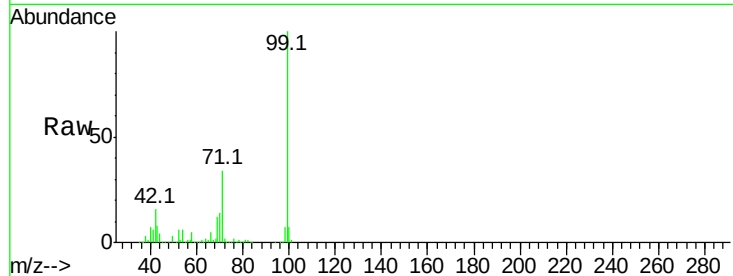
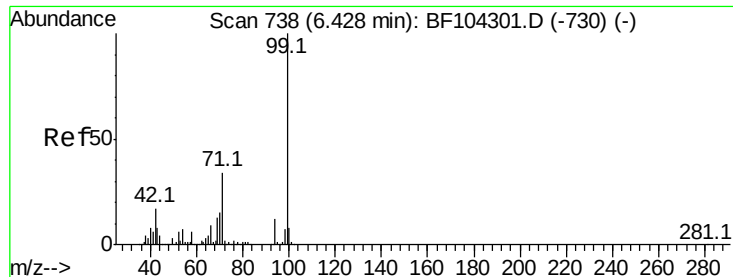
2-Fluorophenol
Concen: 41.679 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.01 min
Lab File: BF104485.D
Acq: 13 Apr 2018 18:14

Tgt Ion:112 Resp: 361914
Ion Ratio Lower Upper
112 100
64 56.7 47.9 71.9
63 28.2 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: 46.538 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104485.D

Acq: 13 Apr 2018 18:14

Instrument :

BNA_F

ClientSampled :

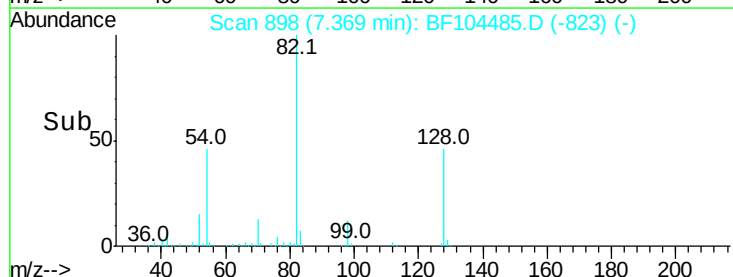
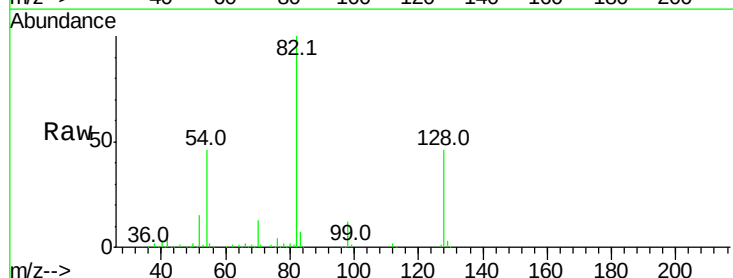
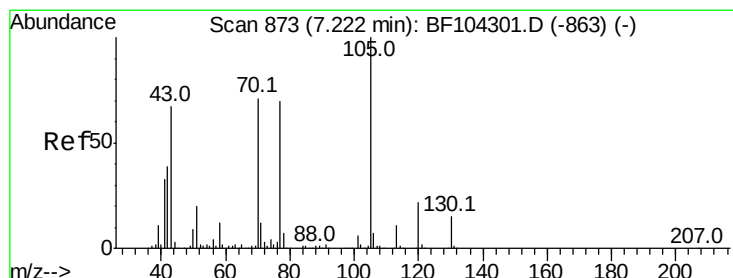
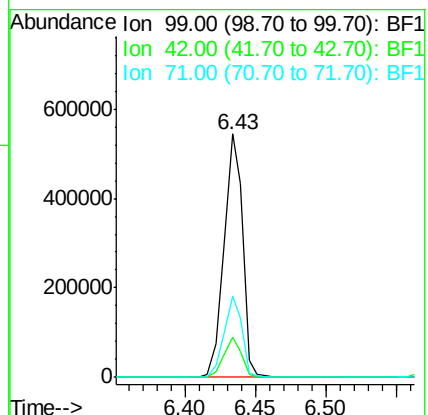
Tot Ion: 99 Resp: 496509

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

71 33.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.643 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF104485.D

Acq: 13 Apr 2018 18:14

Tgt Ion: 70 Resp: 39341

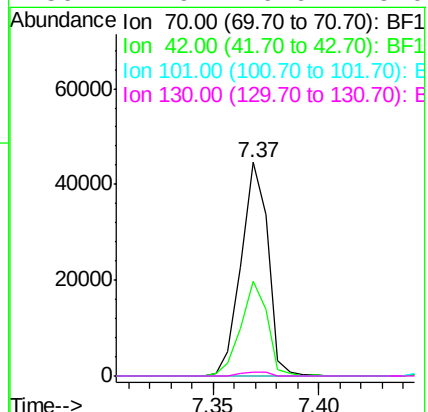
Ion Ratio Lower Upper

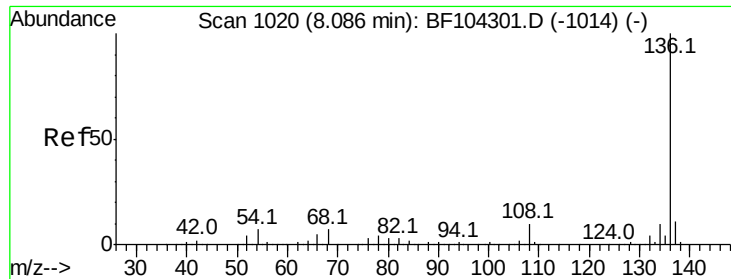
70 100

42 44.2 47.5 71.3#

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

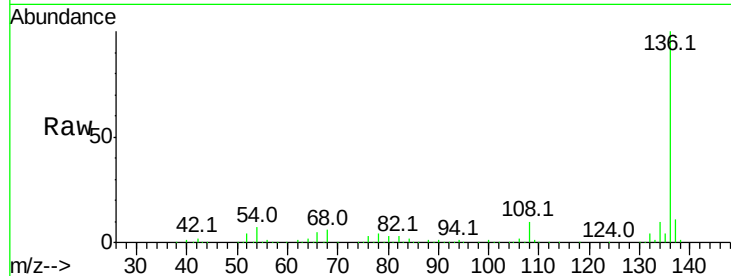




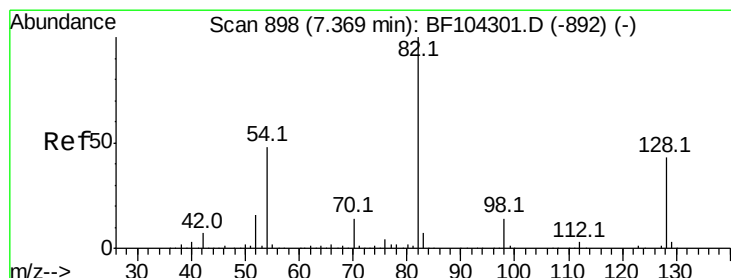
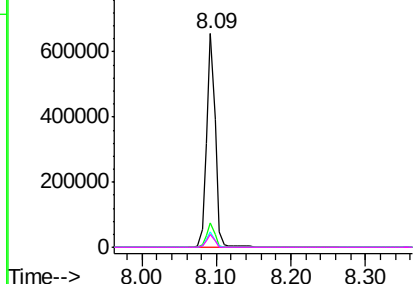
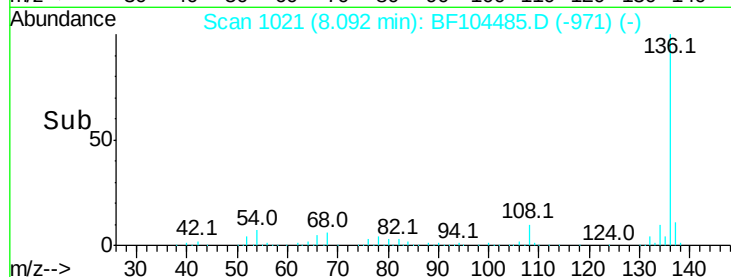
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF104485.D
Acq: 13 Apr 2018 18:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	535630
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.9	6.6	9.8
68	6.1	5.0	7.4

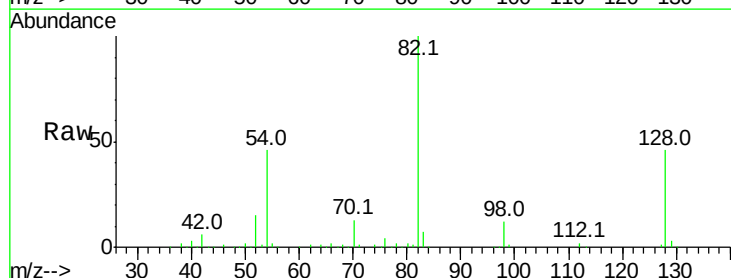


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

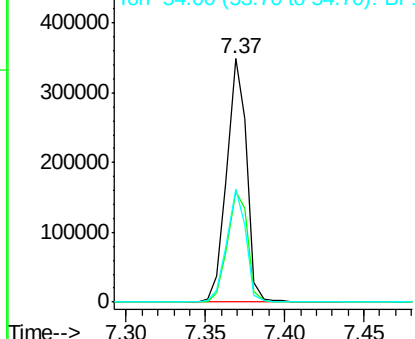
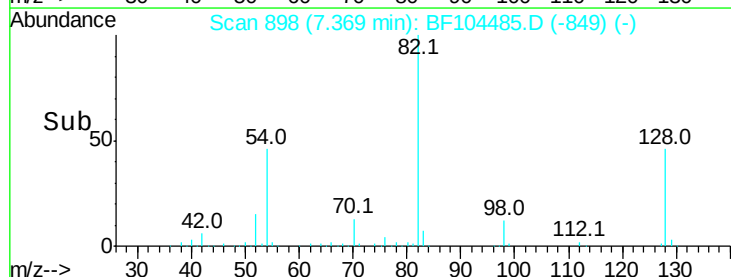


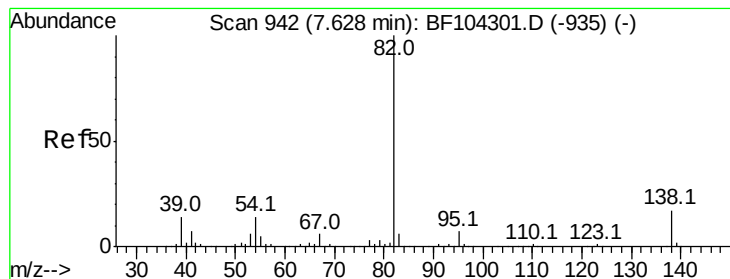
#23
Nitrobenzene-d5
Concen: 37.172 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104485.D
Acq: 13 Apr 2018 18:14

Tgt Ion:	82	Resp:	304918
Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.1	54.1
54	46.4	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: 17.578 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104485.D

Acq: 13 Apr 2018 18:14

Instrument :

BNA_F

ClientSampled :

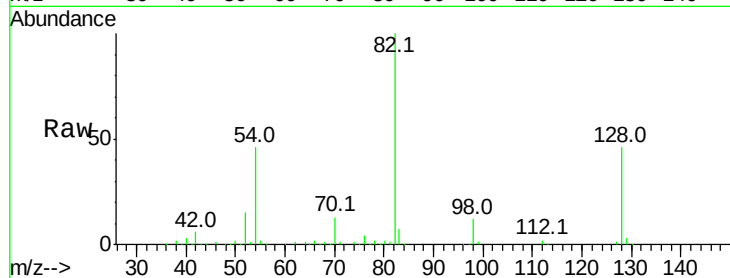
Tot Ion: 82 Resp: 304914

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

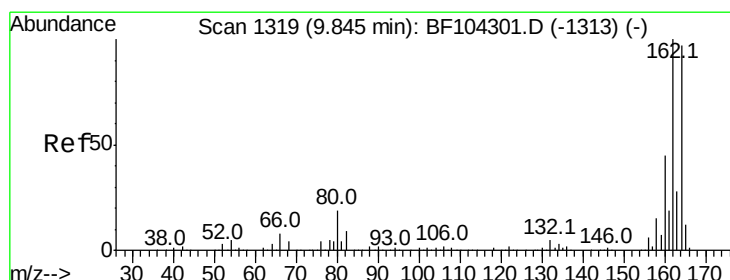
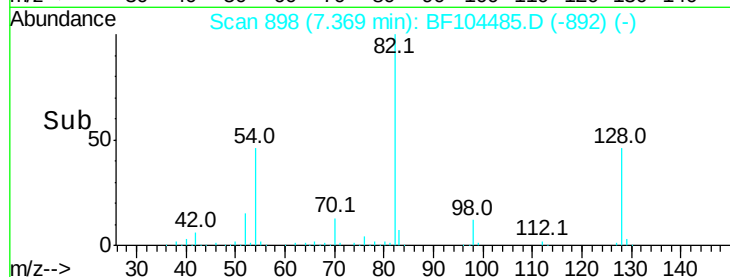
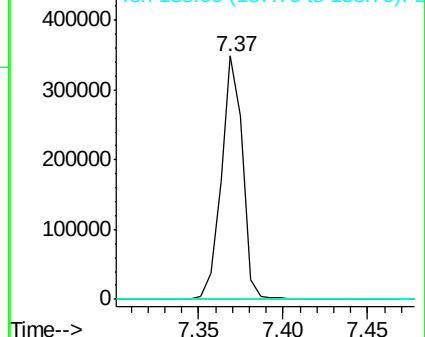
138 0.0 14.9 22.3#



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: BF104485.D

Acq: 13 Apr 2018 18:14

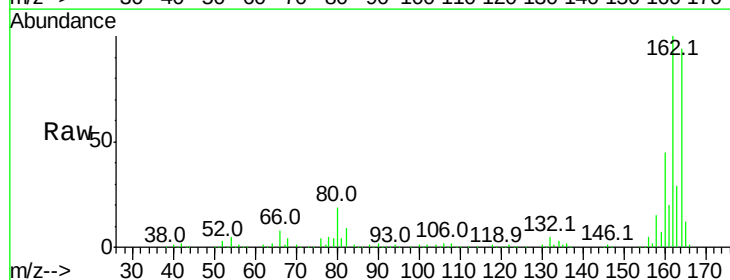
Tgt Ion:164 Resp: 233005

Ion Ratio Lower Upper

164 100

162 106.3 86.1 129.1

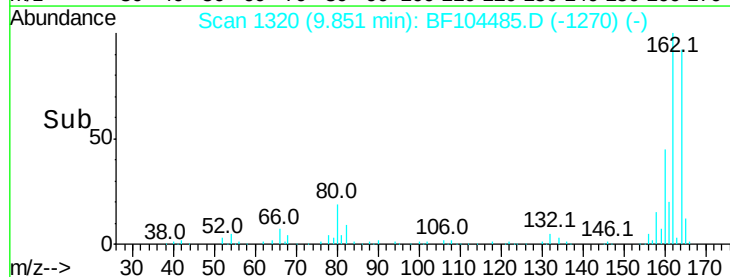
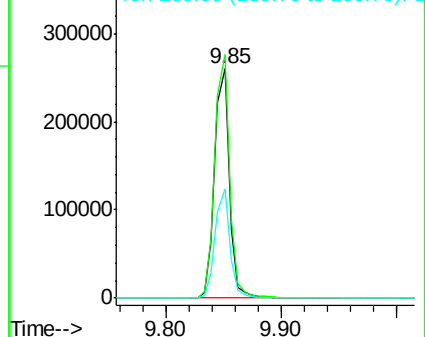
160 47.7 38.3 57.5

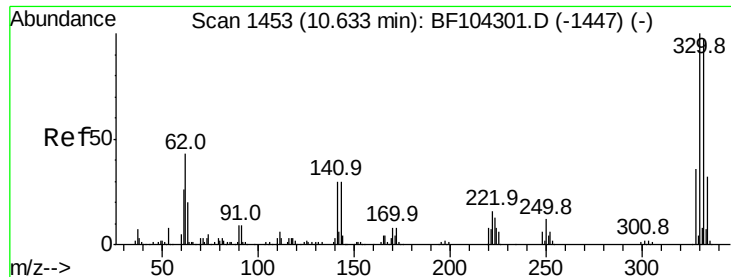


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

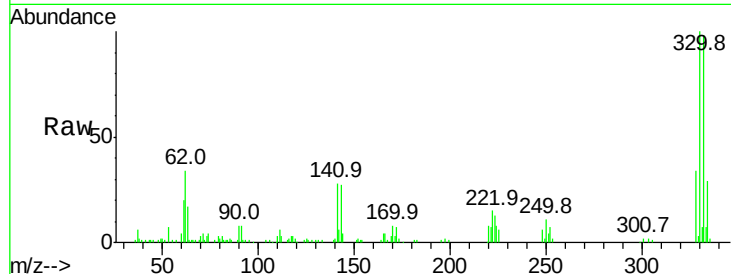




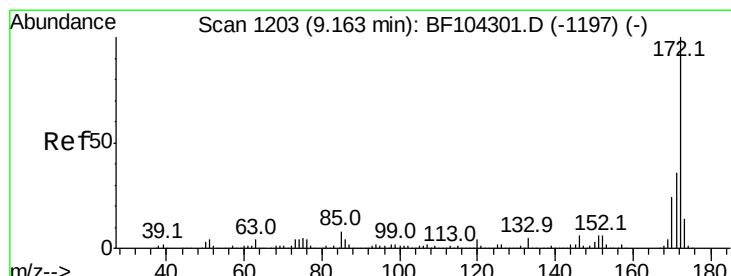
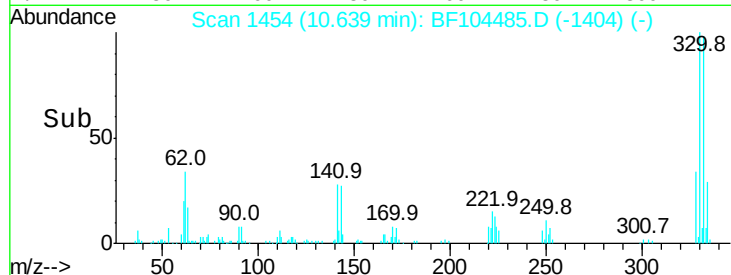
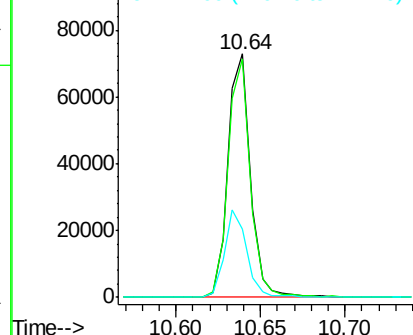
#41
 2,4,6-Tribromophenol
 Concen: 27.971 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104485.D
 Acq: 13 Apr 2018 18:14

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	35.4	29.9	44.9

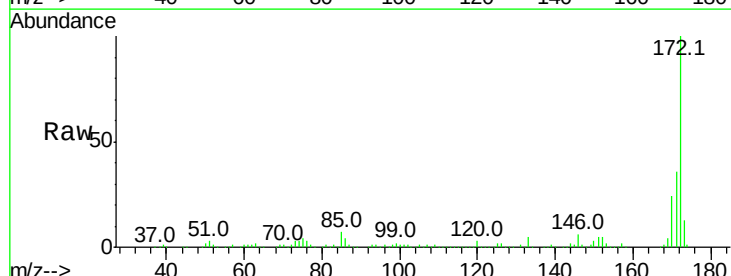


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

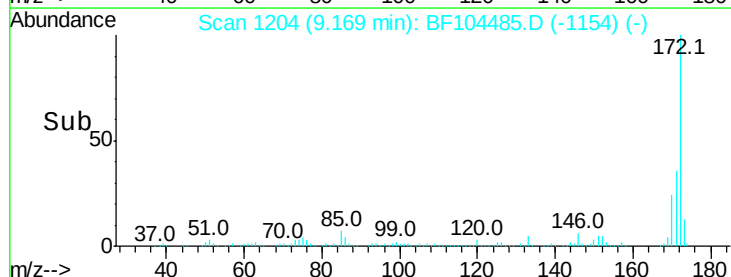
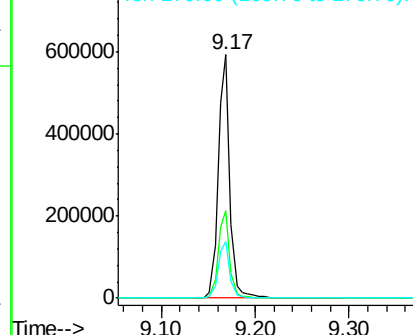


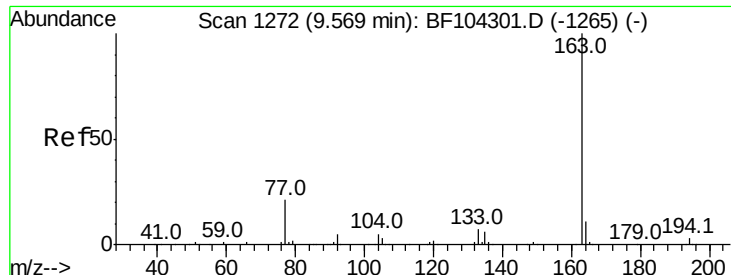
#44
 2-Fluorobiphenyl
 Concen: 35.175 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104485.D
 Acq: 13 Apr 2018 18:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.6	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

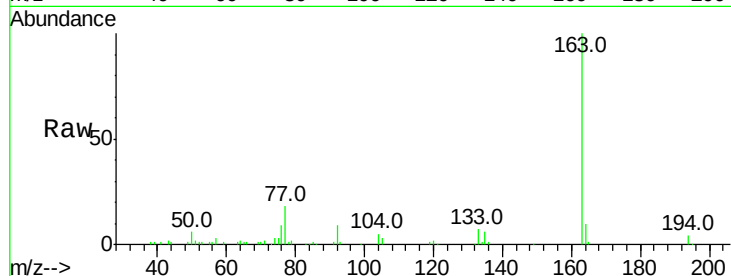




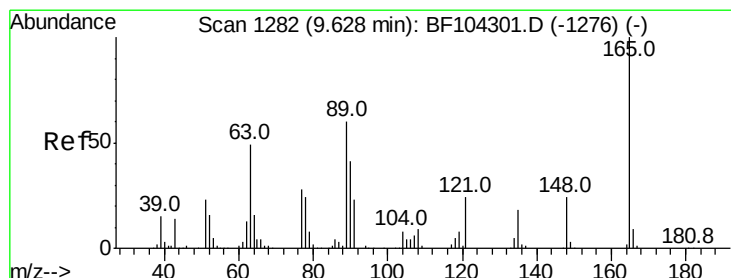
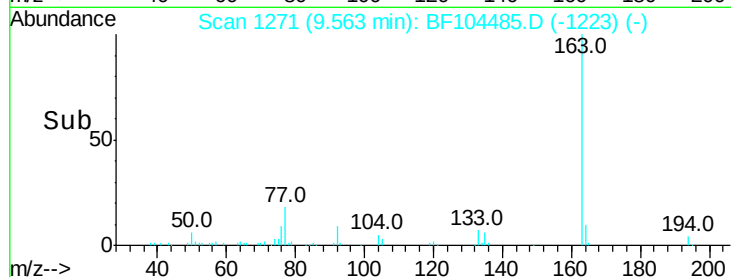
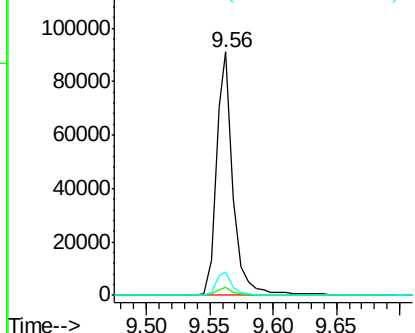
#49
Dimethylphthalate
Concen: 4.585 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF104485.D
Acq: 13 Apr 2018 18:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 84250
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.7 8.2 12.2

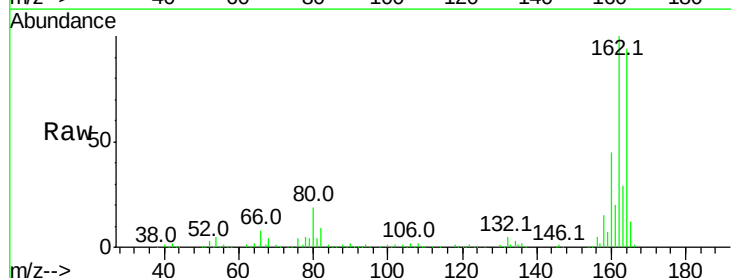


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

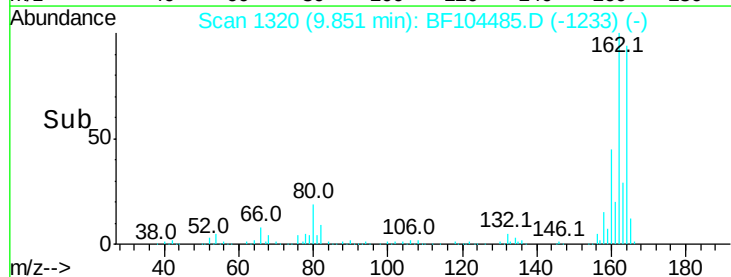
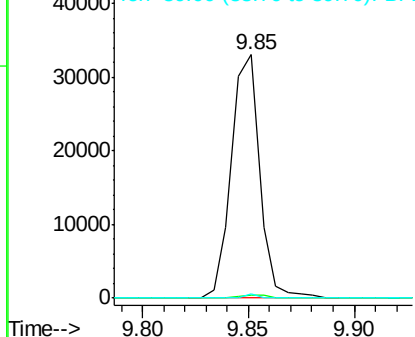


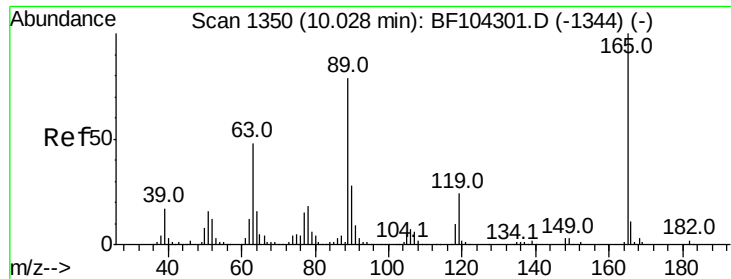
#50
2,6-Dinitrotoluene
Concen: 8.998 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF104485.D
Acq: 13 Apr 2018 18:14

Tgt Ion:165 Resp: 30594
Ion Ratio Lower Upper
165 100
63 1.2 44.7 67.1#
89 1.7 44.0 66.0#



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

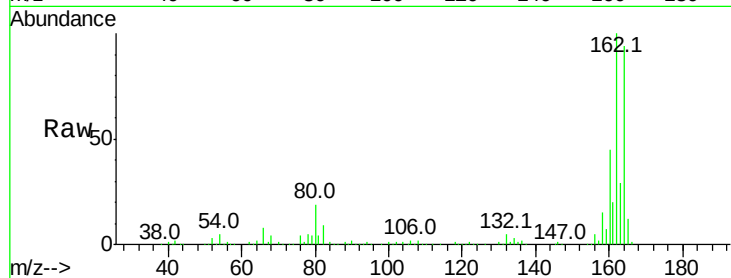




#56
2,4-Dinitrotoluene
Concen: 6.860 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF104485.D
Acq: 13 Apr 2018 18:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	165	Resp:	30594
Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#

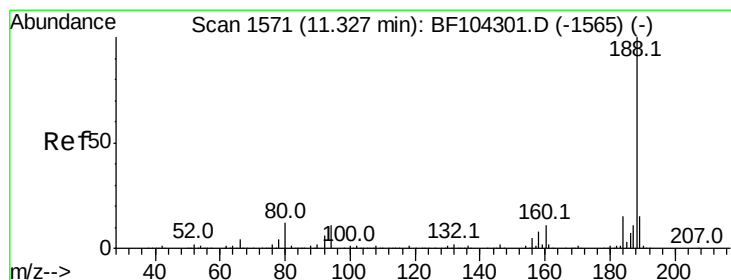
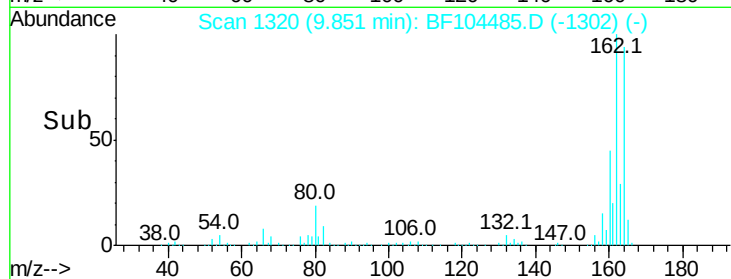
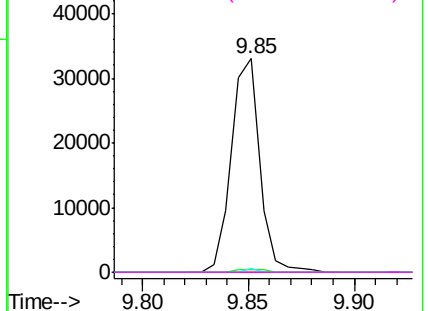


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

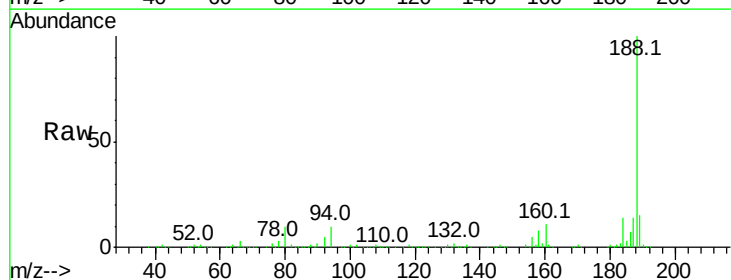
Ion 89.00 (88.70 to 89.70): BF1

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: BF104485.D
Acq: 13 Apr 2018 18:14

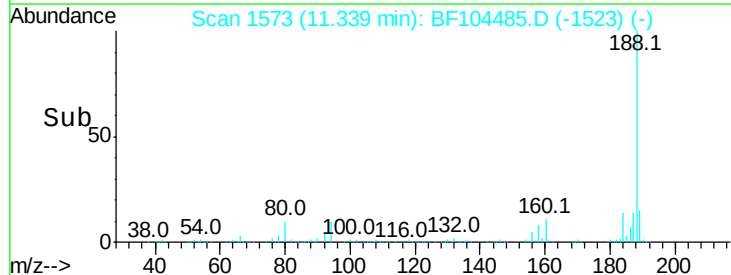
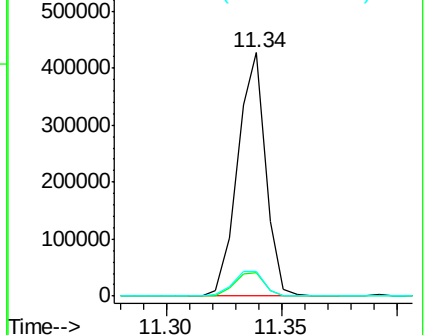
Tgt Ion:	188	Resp:	360612
Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	10.0	9.2	13.8

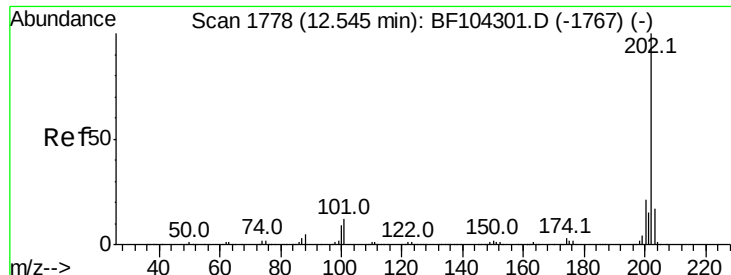


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

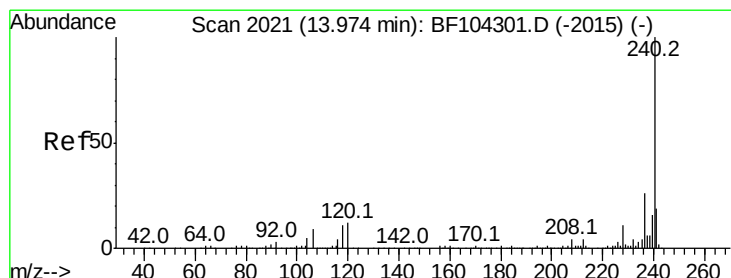
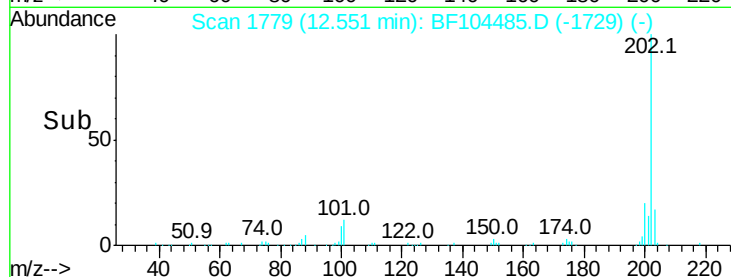
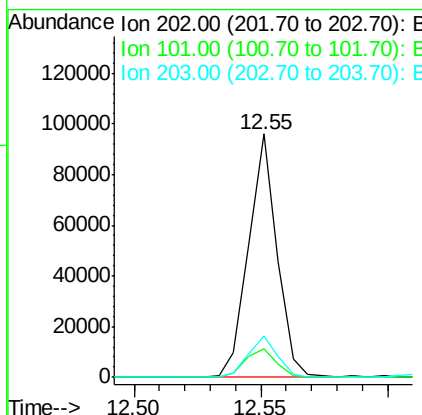
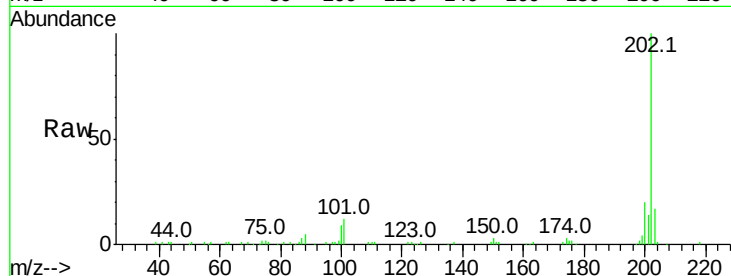




#74
Fluoranthene
Concen: 3.593 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.01 min
Lab File: BF104485.D
Acq: 13 Apr 2018 18:14

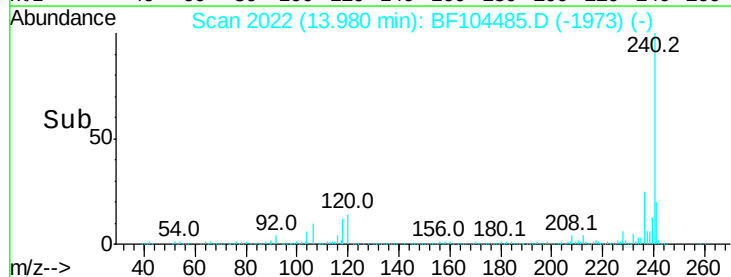
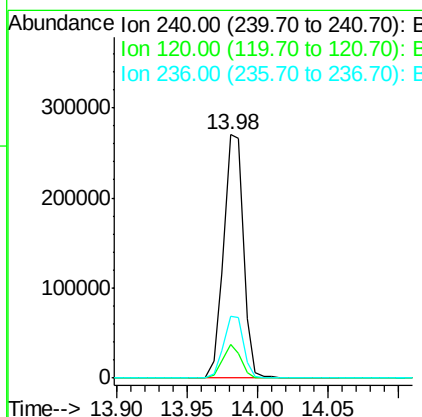
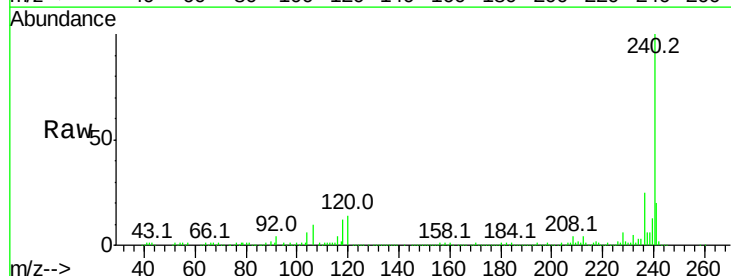
Instrument :
BNA_F
ClientSampleId :

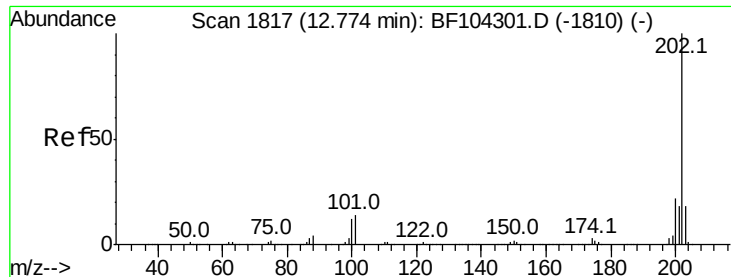
Tot Ion:202 Resp: 75395
Ion Ratio Lower Upper
202 100
101 11.9 0.0 34.1
203 17.2 0.0 38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF104485.D
Acq: 13 Apr 2018 18:14

Tgt Ion:240 Resp: 265974
Ion Ratio Lower Upper
240 100
120 13.8 9.5 14.3
236 25.3 20.7 31.1





#77

Pvrene

Concen: 3.485 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF104485.D

Acq: 13 Apr 2018 18:14

Instrument :

BNA_F

ClientSampled :

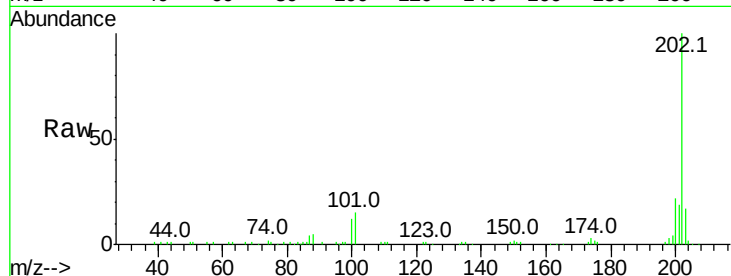
Tot Ion:202 Resp: 68712

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

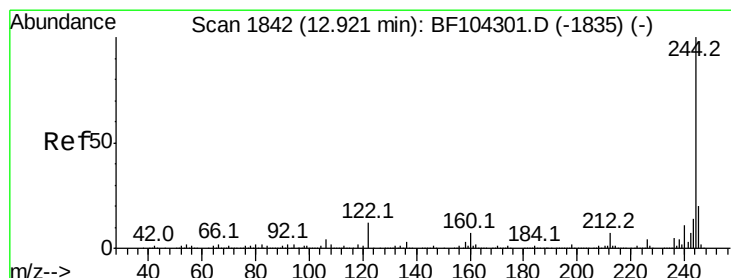
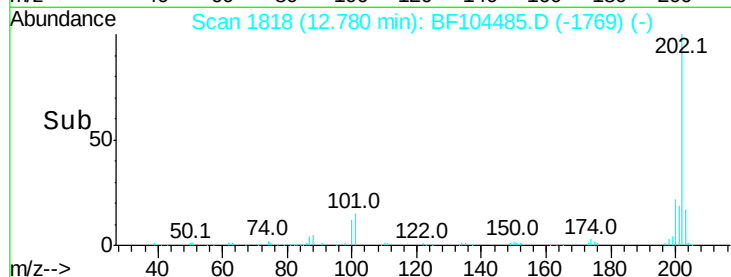
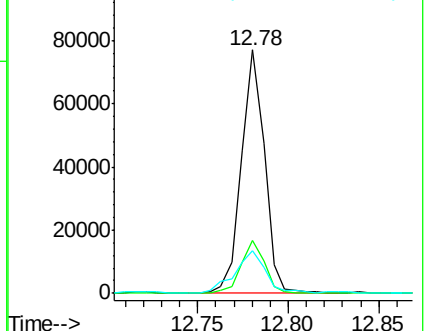
203 17.3 14.3 21.5



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: 32.268 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF104485.D

Acq: 13 Apr 2018 18:14

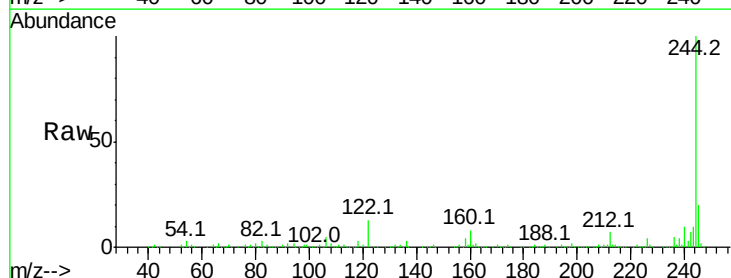
Tgt Ion:244 Resp: 376455

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

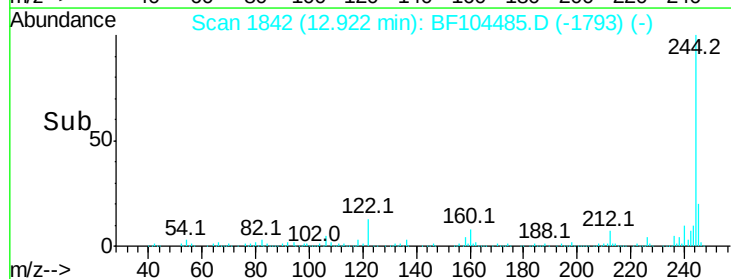
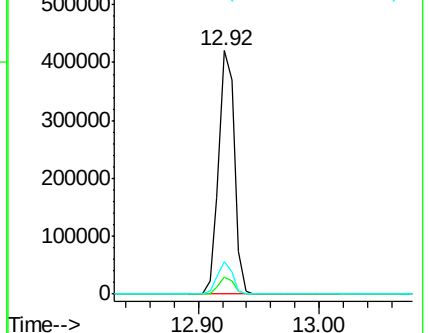
122 13.5 11.0 16.4

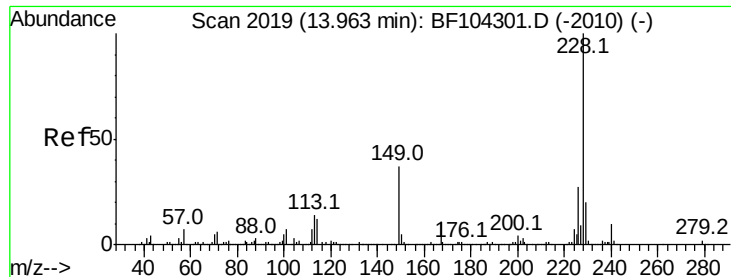


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

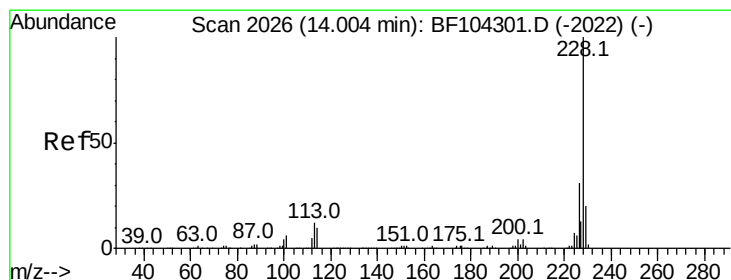
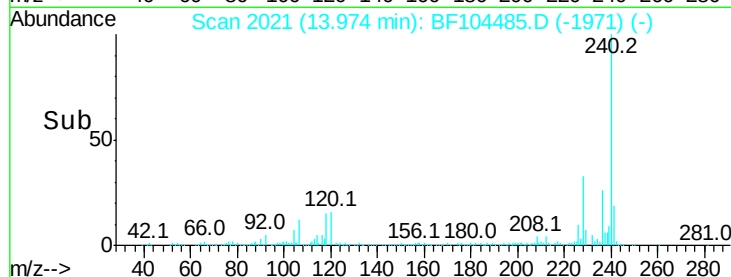
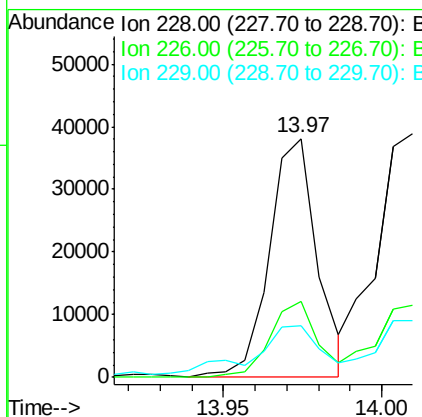
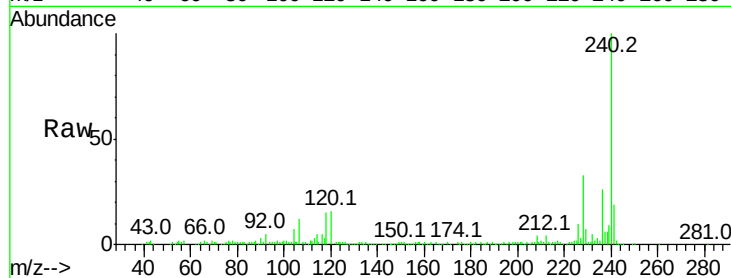




#80
Benzo(a)anthracene
Concen: 2.529 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF104485.D
Acq: 13 Apr 2018 18:14

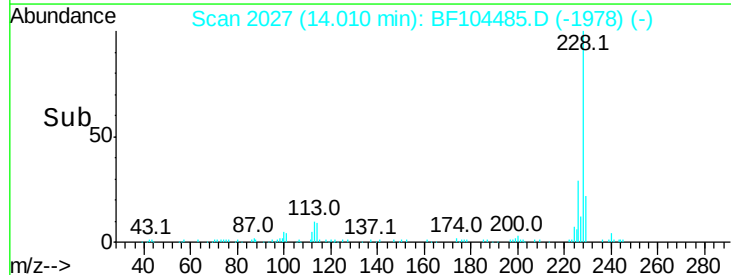
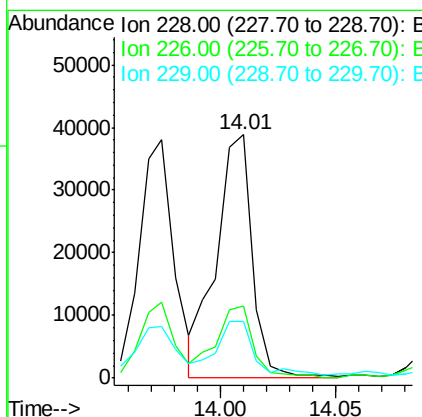
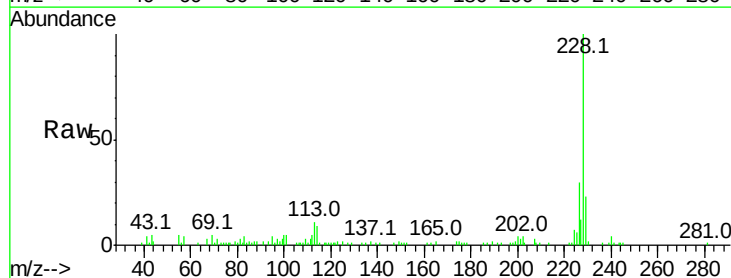
Instrument :
BNA_F
ClientSampled :

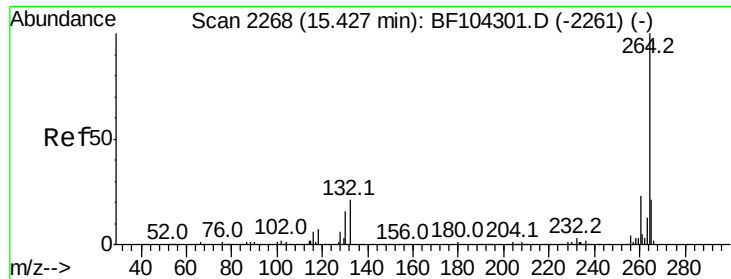
Tot Ion:228 Resp: 40179
Ion Ratio Lower Upper
228 100
226 31.7 22.6 33.8
229 21.6 15.8 23.6



#82
Chrysene
Concen: 2.590 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF104485.D
Acq: 13 Apr 2018 18:14

Tgt Ion:228 Resp: 42270
Ion Ratio Lower Upper
228 100
226 29.8 25.0 37.6
229 23.5 16.2 24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF104485.D

Acq: 13 Apr 2018 18:14

Instrument :

BNA_F

ClientSampleId :

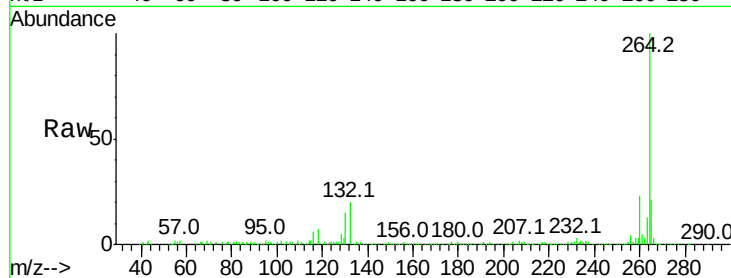
Tot Ion:264 Resp: 228000

Ion Ratio Lower Upper

264 100

260 22.7 19.2 28.8

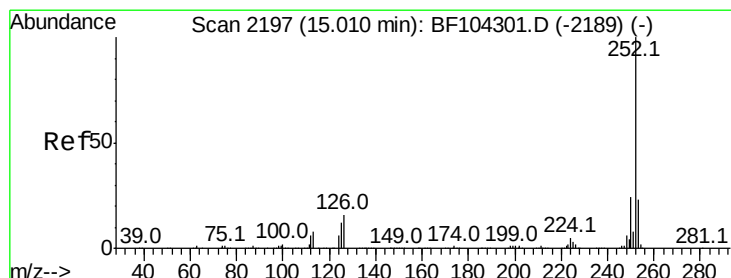
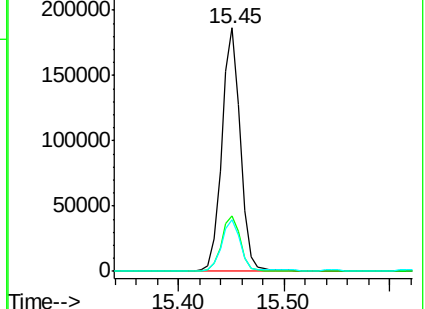
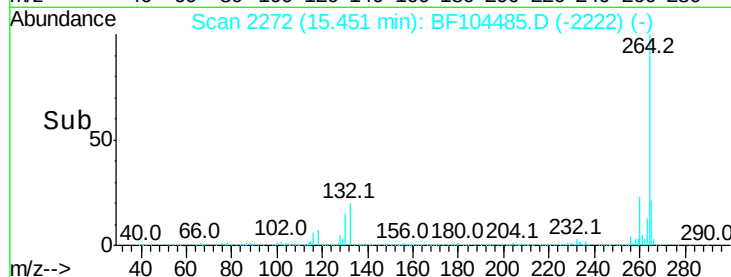
265 21.0 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 4.859 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BF104485.D

Acq: 13 Apr 2018 18:14

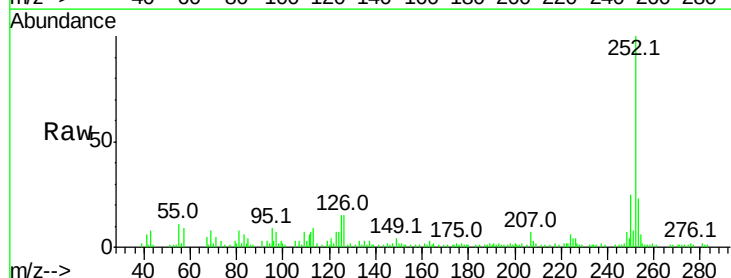
Tgt Ion:252 Resp: 69973

Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.6

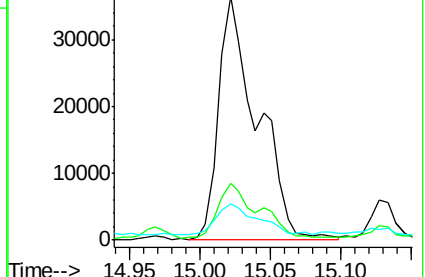
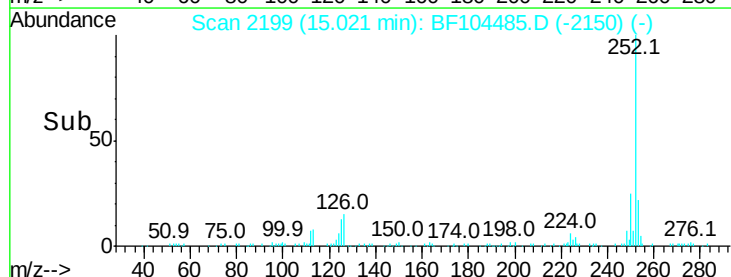
125 14.8 9.0 13.6#

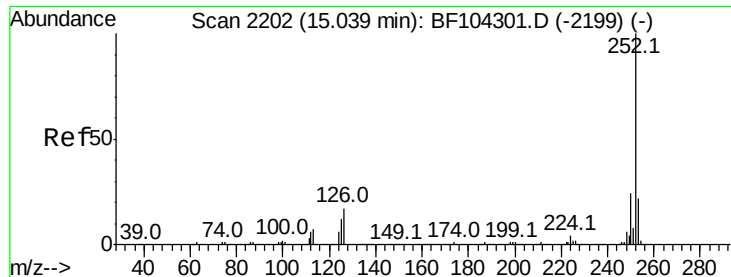


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

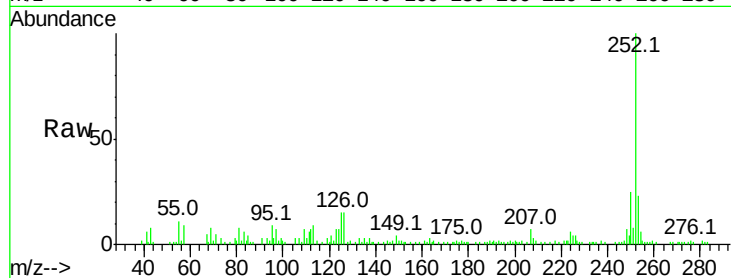




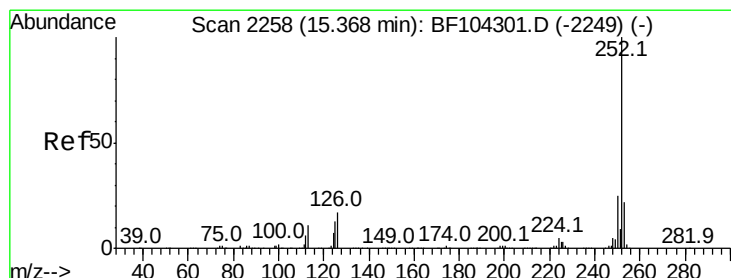
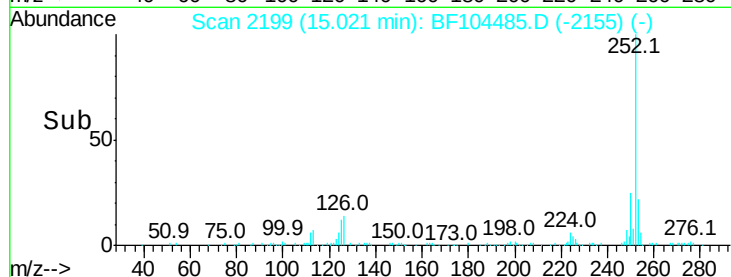
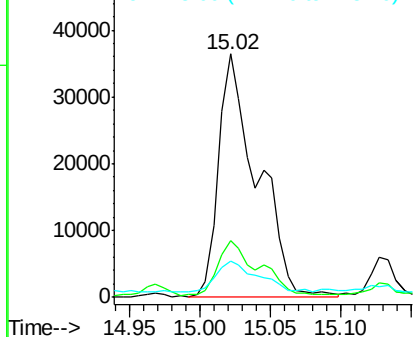
#88
Benzo(k)fluoranthene
Concen: 5.147 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF104485.D
Acq: 13 Apr 2018 18:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 69973
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 14.8 10.2 15.2

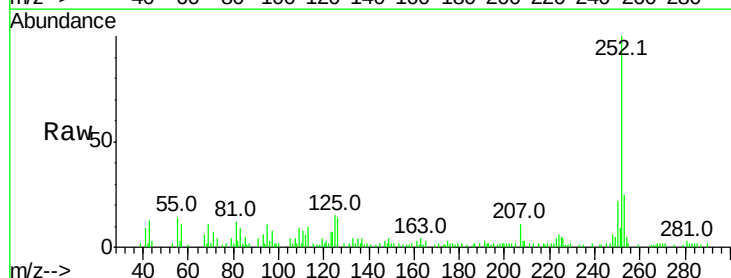


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.567 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF104485.D
Acq: 13 Apr 2018 18:14

Tgt Ion:252 Resp: 33078
Ion Ratio Lower Upper
252 100
253 24.7 17.1 25.7
125 15.0 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

