

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104479.D
 Acq On : 13 Apr 2018 15:34
 Operator : JU/SJ
 Sample : J2364-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 13 17:40:47 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	144569	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	585945	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	269881	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	456622	20.00	ng	0.00
75) Chrysene-d12	13.99	240	288233	20.00	ng	0.00
86) Perylene-d12	15.46	264	268645	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1146312	121.24	ng	0.01
7) Phenol-d6	6.45	99	1416823	121.96	ng	0.00
23) Nitrobenzene-d5	7.38	82	918178	102.32	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	358490	128.05	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1321975	77.38	ng	0.00
78) Terphenyl-d14	12.93	244	1086949	85.97	ng	0.00

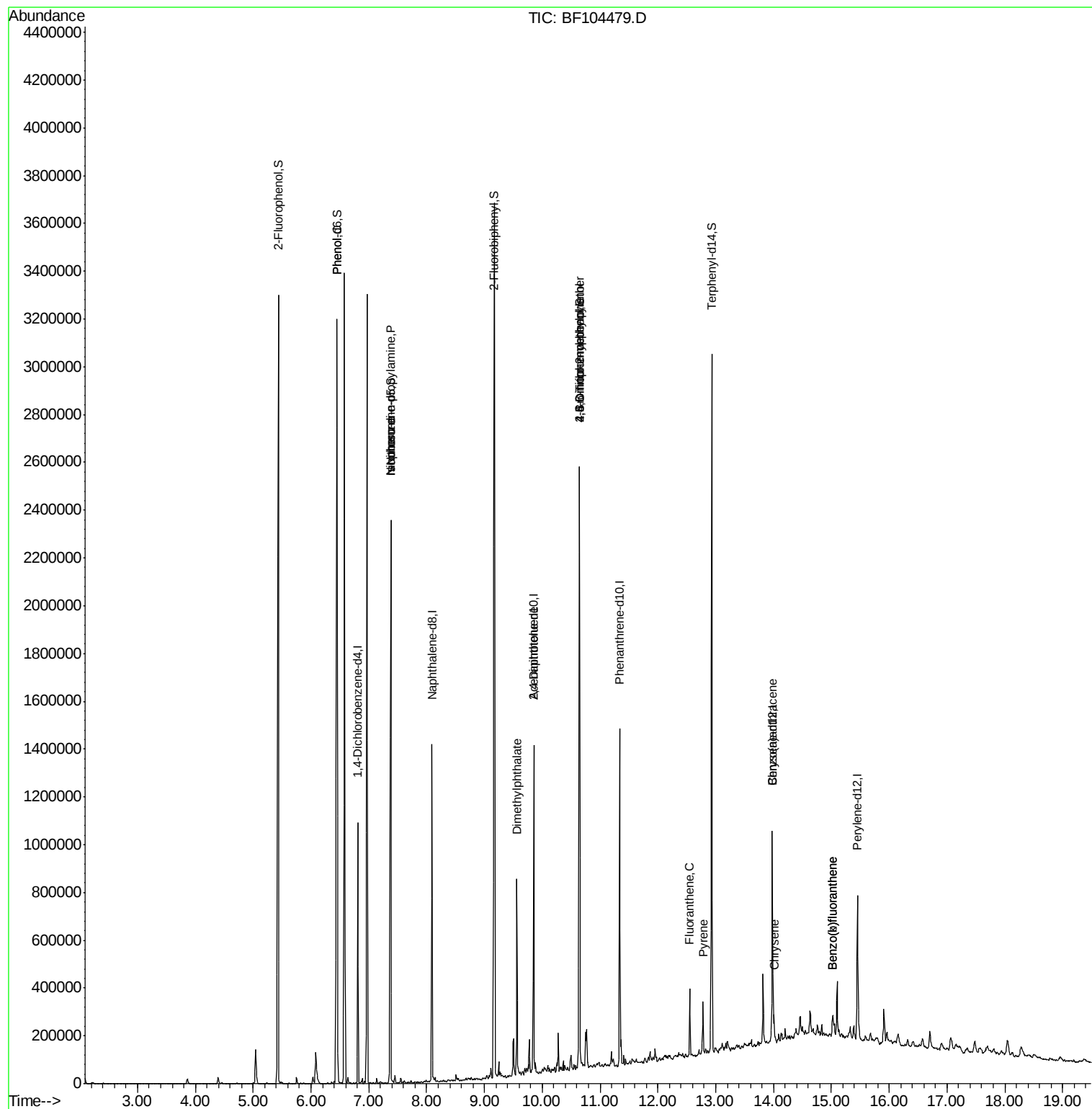
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	1414	Below Cal		88
10) Phenol	6.46	94	53267	4.322	ng	81
19) n-Nitroso-di-n-propylamine	7.38	70	122491	16.136	ng	# 72
25) Isophorone	7.38	82	918168	48.387	ng	# 64
49) Dimethylphthalate	9.56	163	277906	13.058	ng	100
56) 2,4-Dinitrotoluene	9.85	165	35213	6.817	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.65	198	839	7.667	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	21295	4.384	ng	# 1
74) Fluoranthene	12.55	202	100928	3.799	ng	98
76) Benzidine	12.93	184	14316	Below Cal		# 94
77) Pyrene	12.78	202	78582	3.678	ng	98
80) Benzo(a)anthracene	13.97	228	39350	2.285	ng	100
82) Chrysene	14.01	228	44996	2.544	ng	98
87) Benzo(b)fluoranthene	15.02	252	60263	3.552	ng	# 91
88) Benzo(k)fluoranthene	15.02	252	60263	3.762	ng	# 92

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

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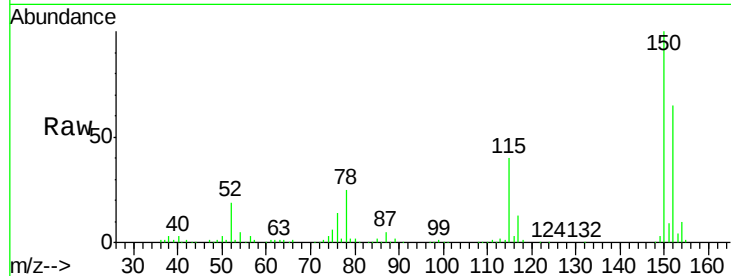


#1

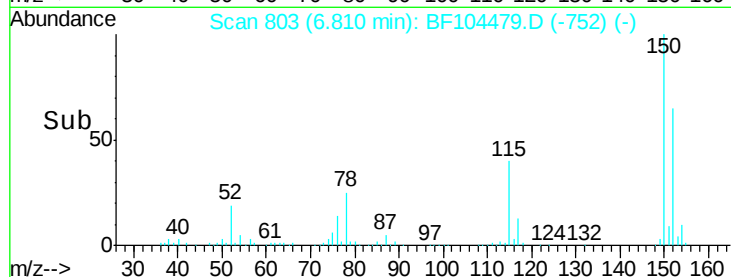
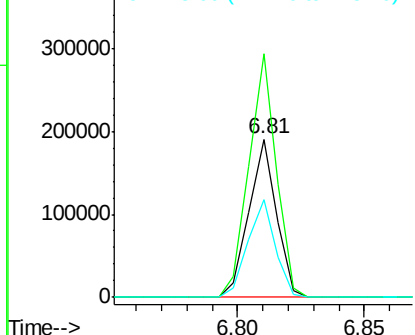
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104479.D
Acq: 13 Apr 2018 15:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 144569
Ion Ratio Lower Upper
152 100
150 153.8 124.6 186.8
115 62.0 50.1 75.1



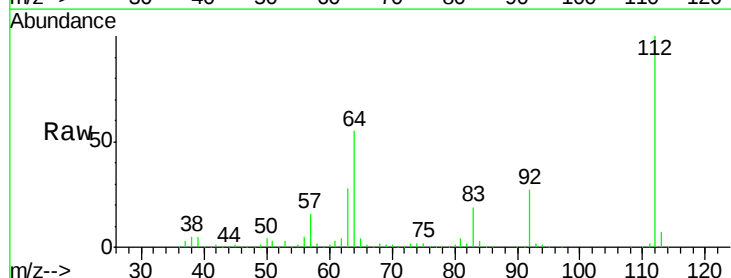
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



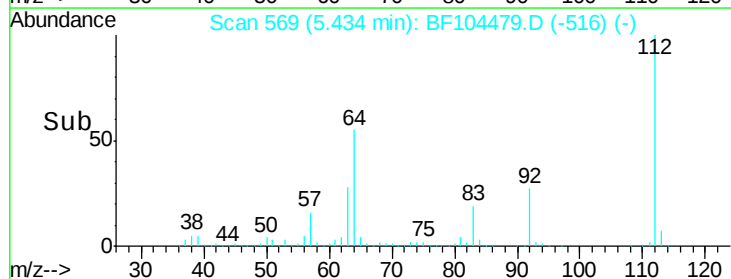
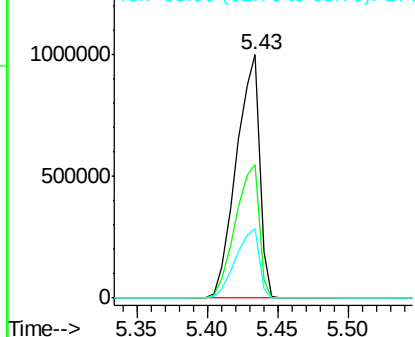
#5

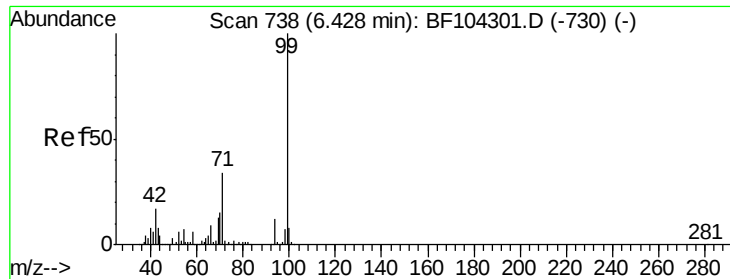
2-Fluorophenol
Concen: 121.241 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF104479.D
Acq: 13 Apr 2018 15:34

Tgt Ion:112 Resp: 1146312
Ion Ratio Lower Upper
112 100
64 54.8 47.9 71.9
63 28.4 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: 121.963 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104479.D

Acq: 13 Apr 2018 15:34

Instrument :

BNA_F

ClientSampled :

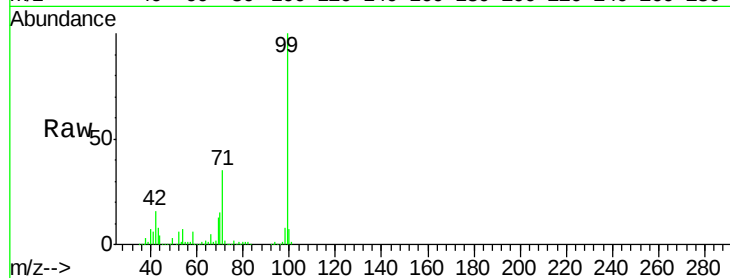
Tot Ion: 99 Resp: 1416823

Ion Ratio Lower Upper

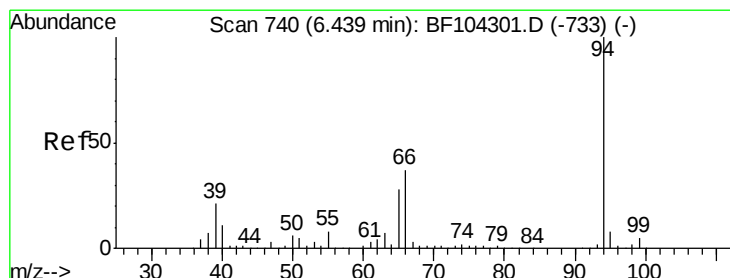
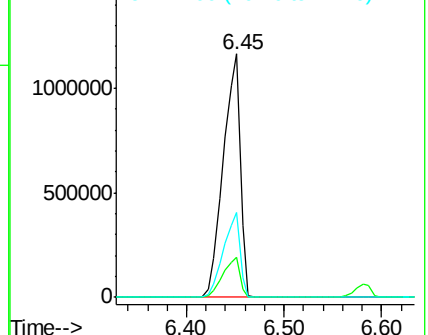
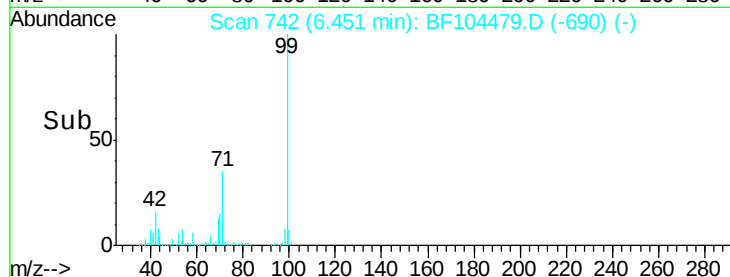
99 100

42 16.5 14.5 21.7

71 34.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.322 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF104479.D

Acq: 13 Apr 2018 15:34

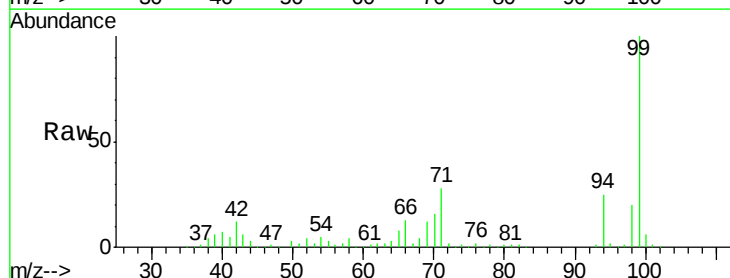
Tgt Ion: 94 Resp: 53267

Ion Ratio Lower Upper

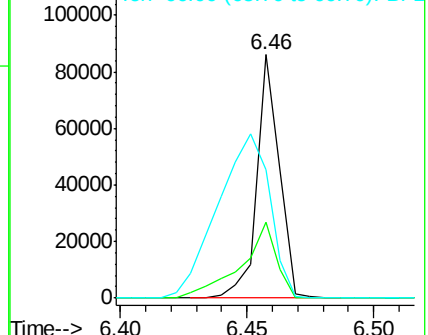
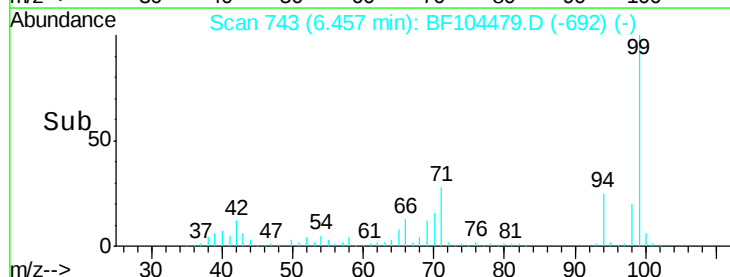
94 100

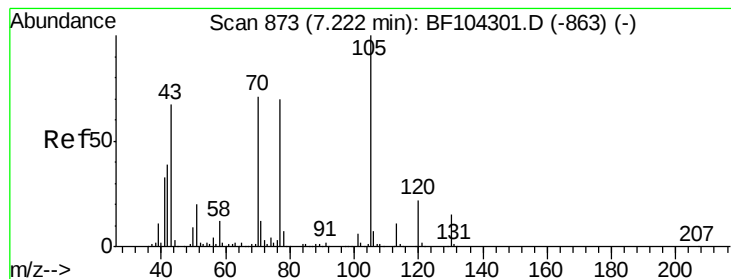
65 31.4 7.9 47.9

66 52.6 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





#19

n-Nitroso-di-n-propylamine

Concen: 16.136 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.15 min

Lab File: BF104479.D

Acq: 13 Apr 2018 15:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 122491

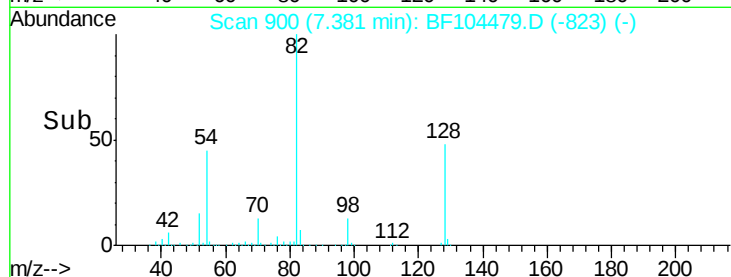
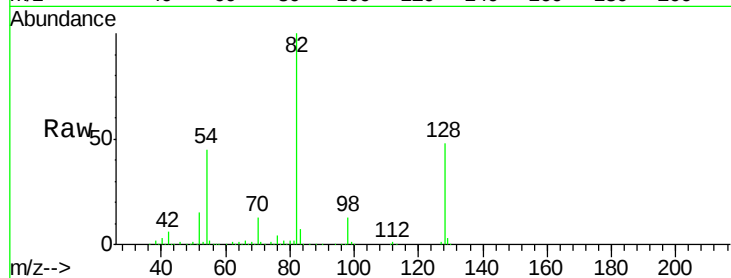
Ion Ratio Lower Upper

70 100

42 41.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

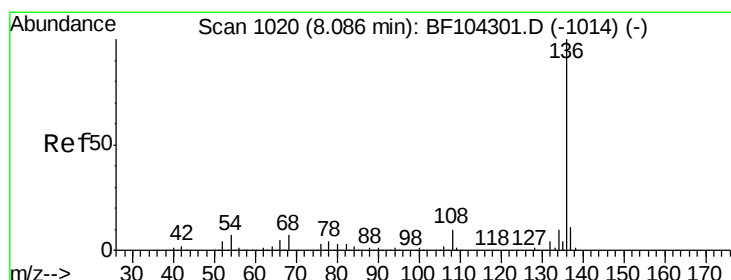
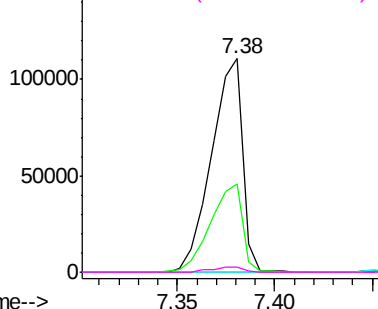


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF104479.D

Acq: 13 Apr 2018 15:34

Tgt Ion: 136 Resp: 585945

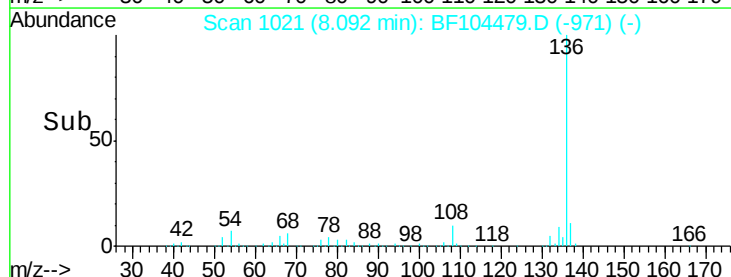
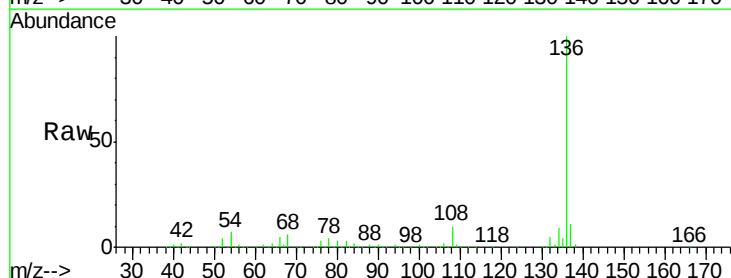
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.1 6.6 9.8

68 5.9 5.0 7.4

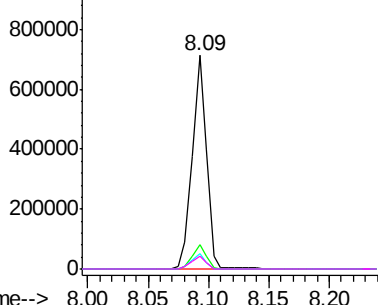


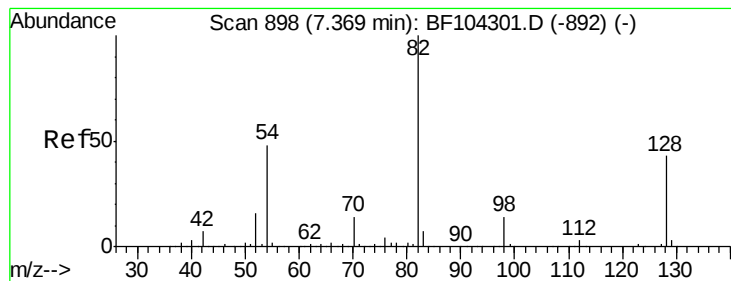
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 102.322 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.00 min

Lab File: BF104479.D

Acq: 13 Apr 2018 15:34

Instrument :

BNA_F

ClientSampleId :

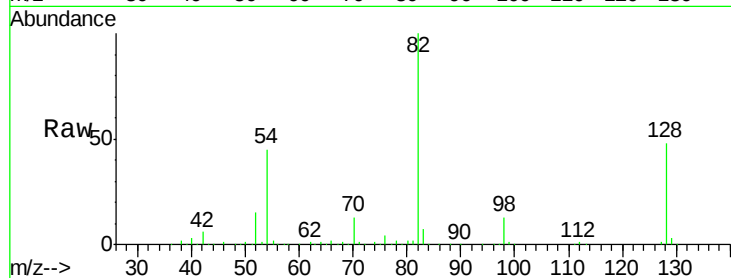
Tot Ion: 82 Resp: 918178

Ion Ratio Lower Upper

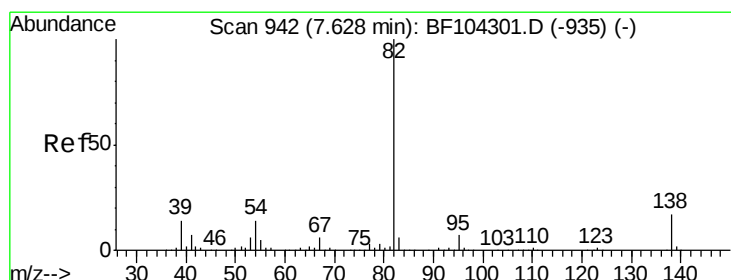
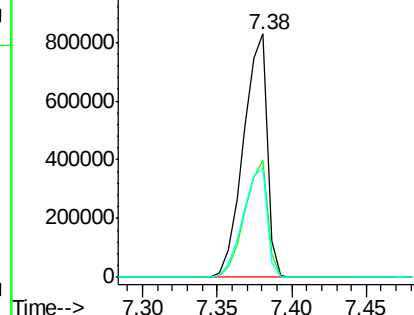
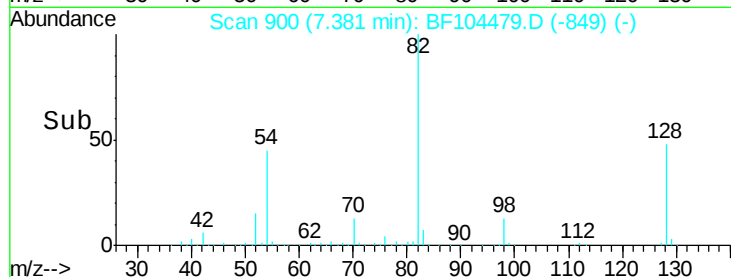
82 100

128 47.8 36.1 54.1

54 44.7 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: 48.387 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.25 min

Lab File: BF104479.D

Acq: 13 Apr 2018 15:34

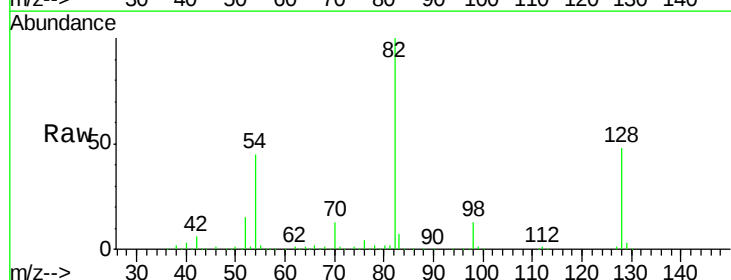
Tgt Ion: 82 Resp: 918168

Ion Ratio Lower Upper

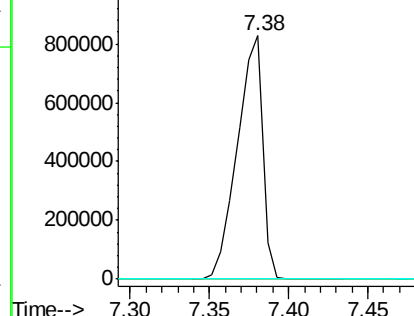
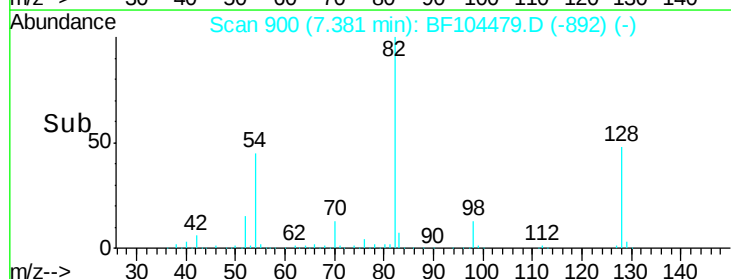
82 100

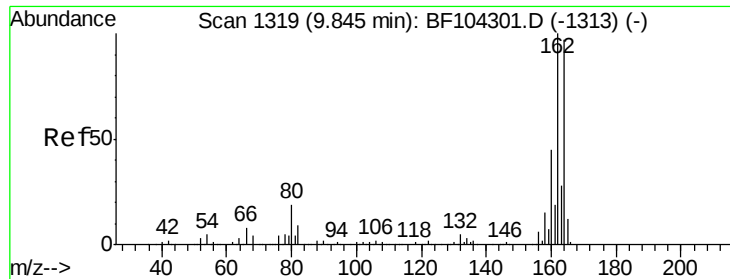
95 0.0 5.2 7.8#

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

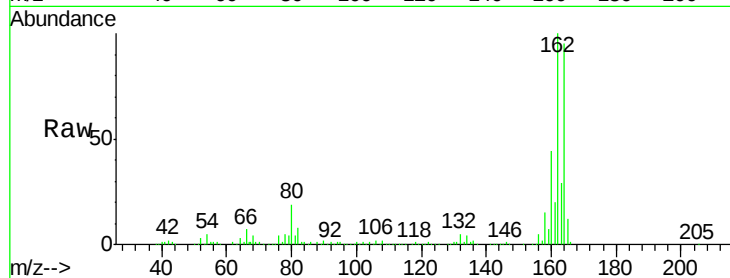




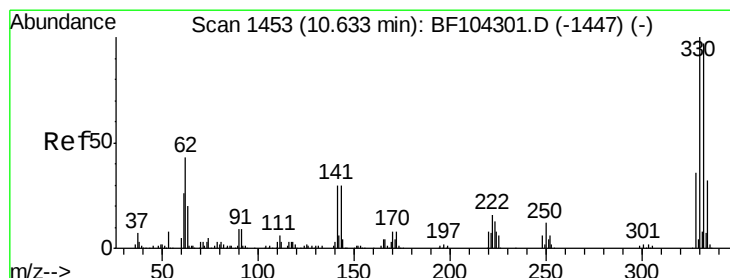
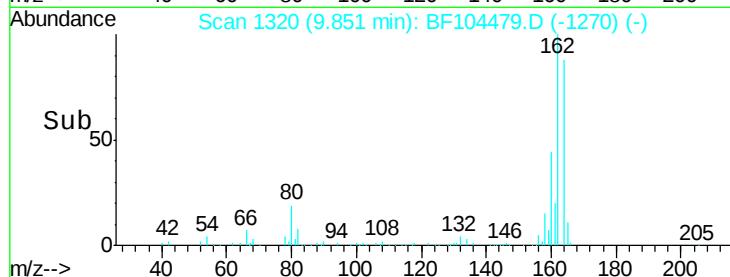
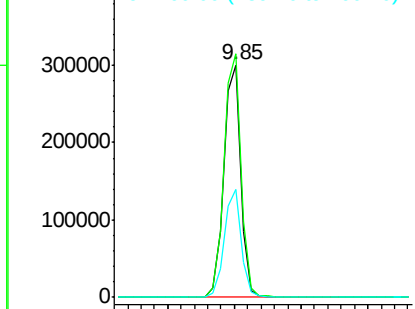
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF104479.D
 Acq: 13 Apr 2018 15:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.9	86.1	129.1
160	46.2	38.3	57.5

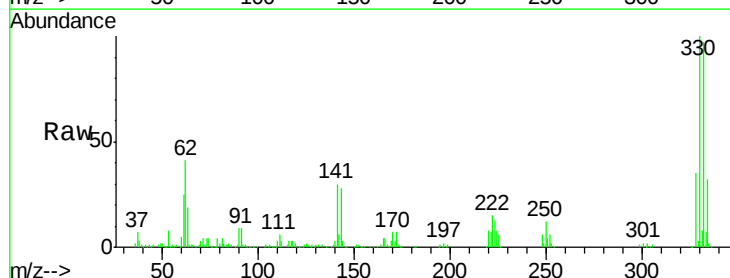


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

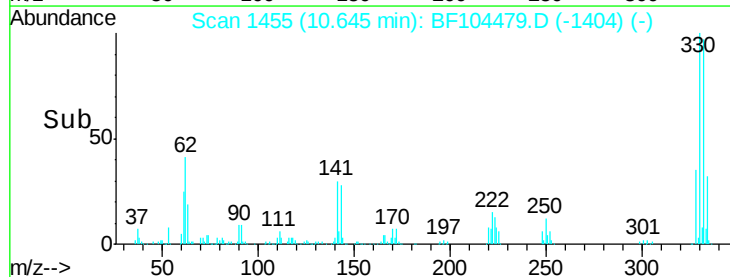
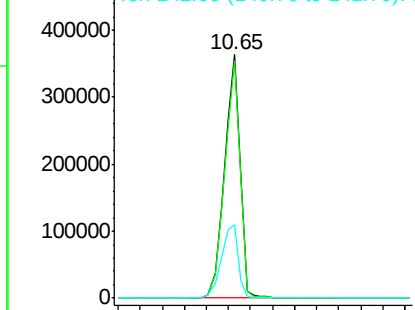


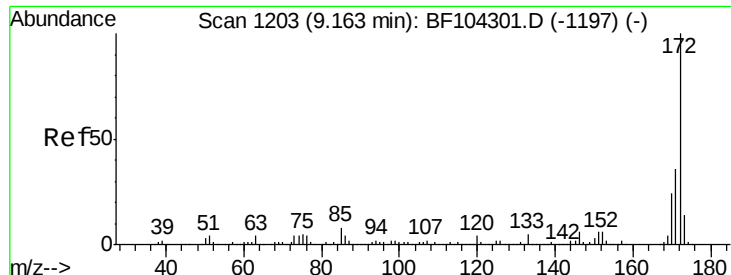
#41
 2,4,6-Tribromophenol
 Concen: 128.053 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF104479.D
 Acq: 13 Apr 2018 15:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	33.1	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

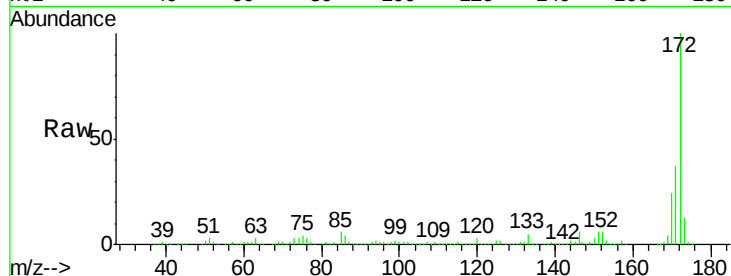




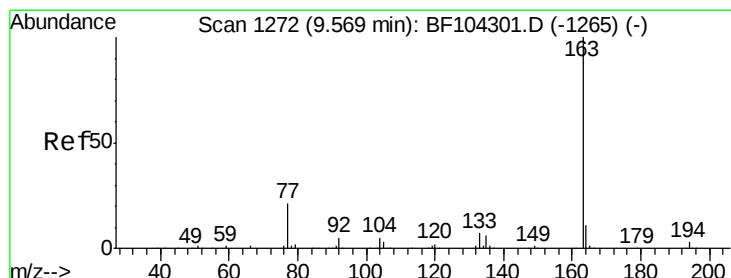
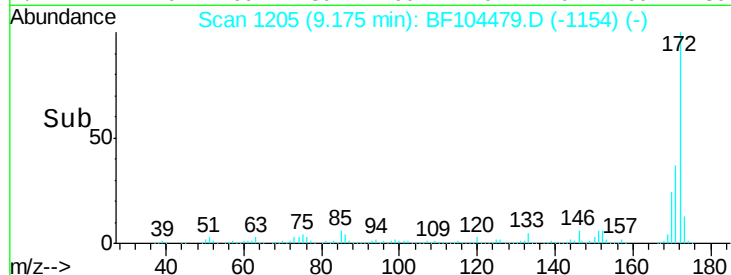
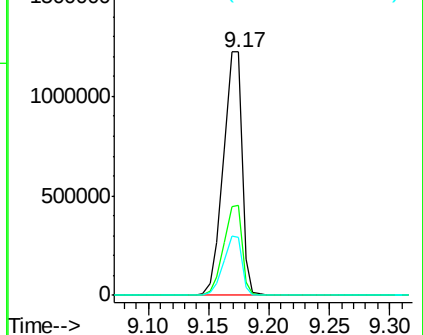
#44
2-Fluorobiphenyl
Concen: 77.382 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF104479.D
Acq: 13 Apr 2018 15:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1321975
Ion Ratio Lower Upper
172 100
171 36.7 29.7 44.5
170 24.0 19.6 29.4

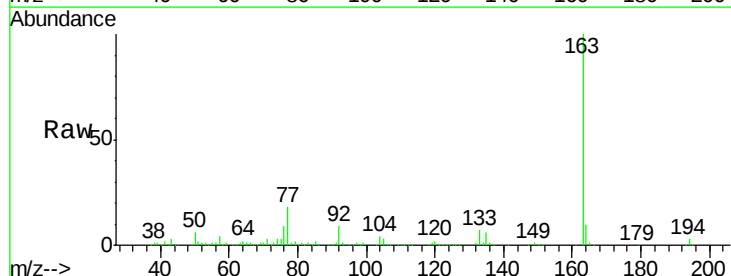


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

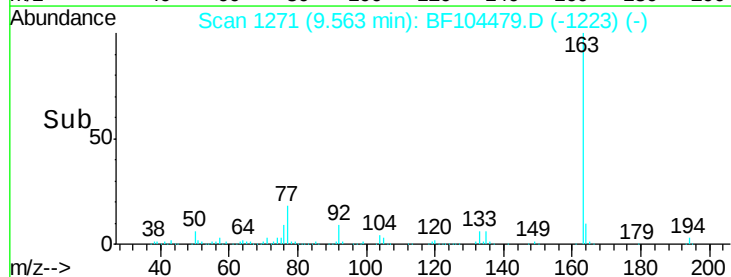
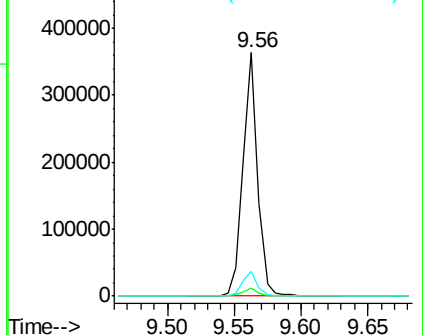


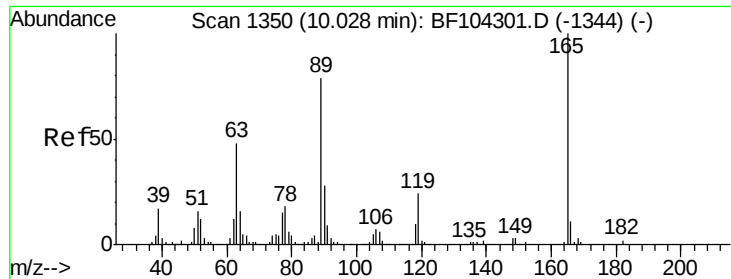
#49
Dimethylphthalate
Concen: 13.058 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF104479.D
Acq: 13 Apr 2018 15:34

Tgt Ion:163 Resp: 277906
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.3 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: 6.817 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.19 min

Lab File: BF104479.D

Acq: 13 Apr 2018 15:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 35213

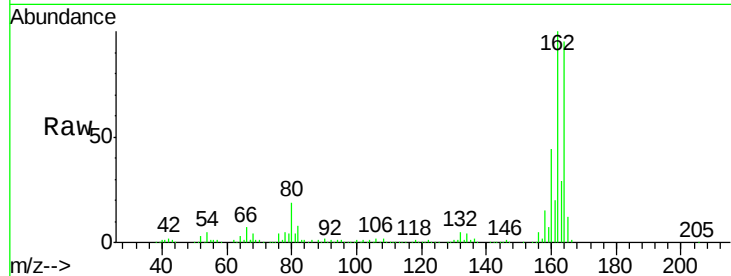
Ion Ratio Lower Upper

165 100

63 1.7 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

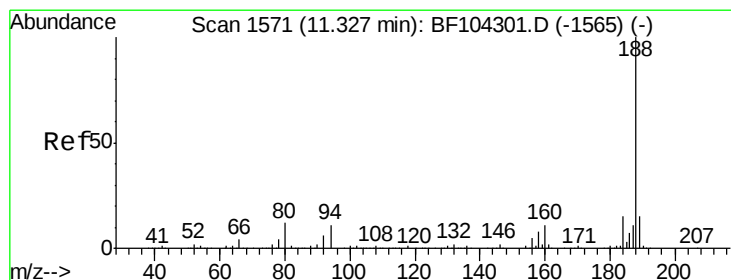
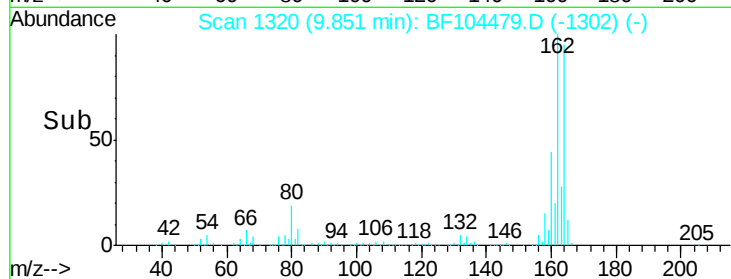
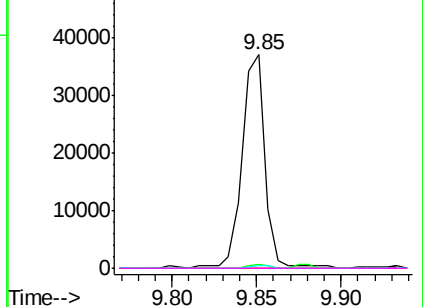


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF104479.D

Acq: 13 Apr 2018 15:34

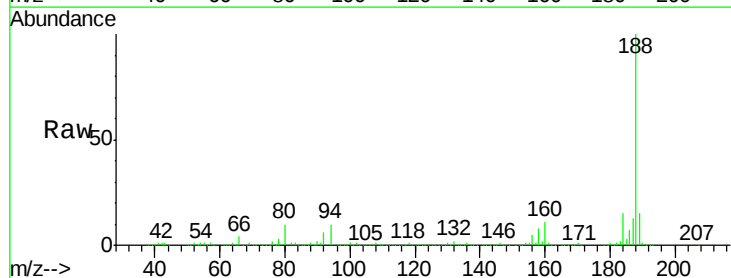
Tgt Ion:188 Resp: 456622

Ion Ratio Lower Upper

188 100

94 9.9 8.5 12.7

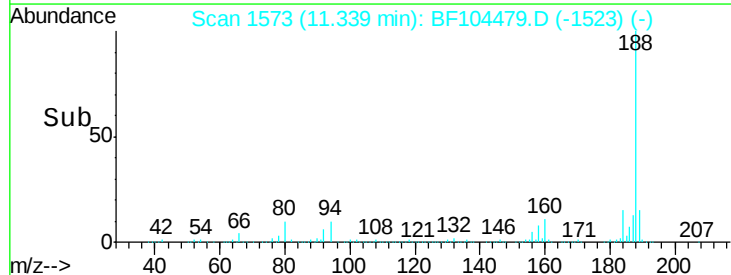
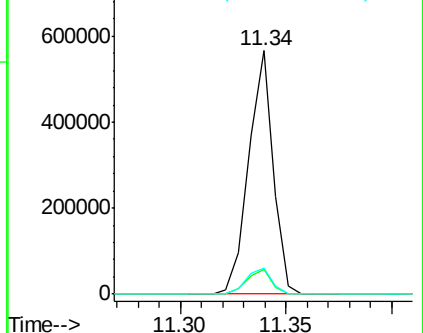
80 10.4 9.2 13.8

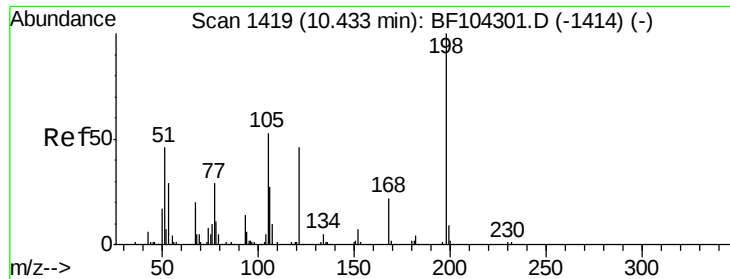


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.667 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.19 min

Lab File: BF104479.D

Acq: 13 Apr 2018 15:34

Instrument :

BNA_F

ClientSampleId :

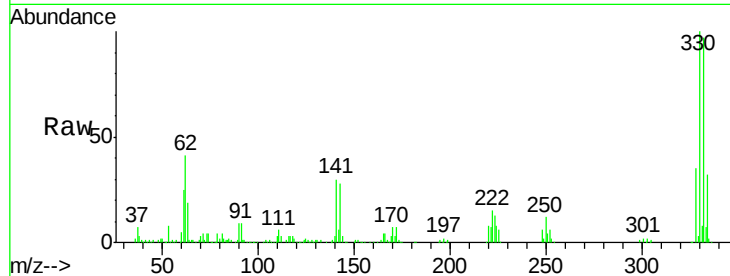
Tot Ion:198 Resp: 839

Ion Ratio Lower Upper

198 100

51 150.0 37.7 77.7#

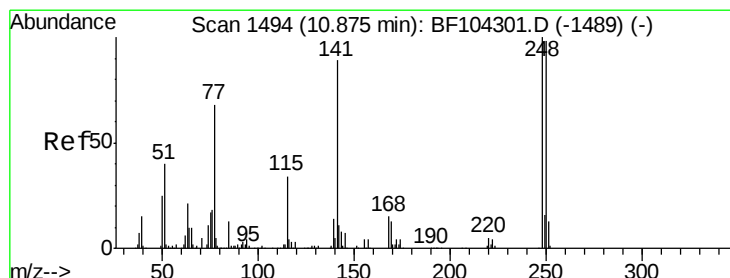
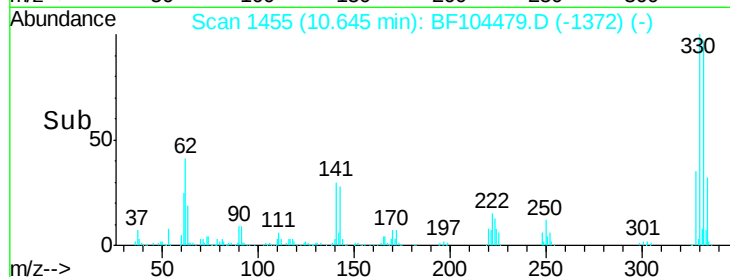
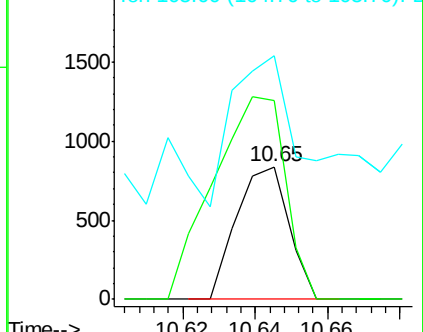
105 183.2 36.3 76.3#



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: 4.384 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.24 min

Lab File: BF104479.D

Acq: 13 Apr 2018 15:34

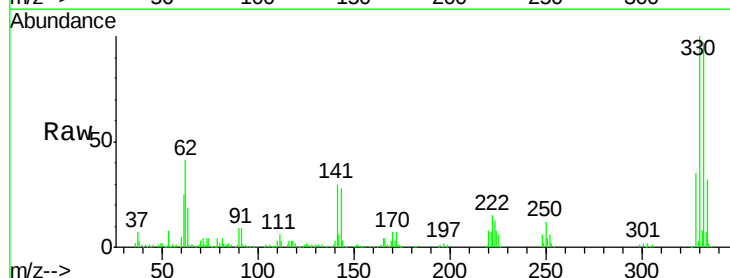
Tgt Ion:248 Resp: 21295

Ion Ratio Lower Upper

248 100

250 204.6 76.9 115.3#

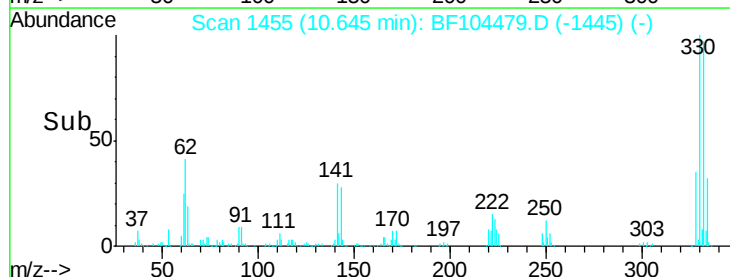
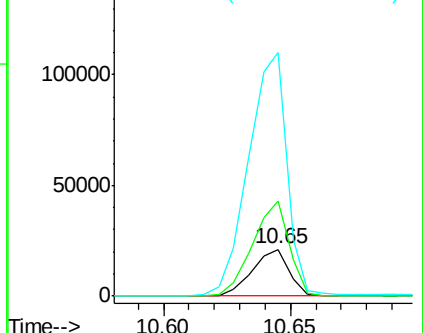
141 522.2 74.4 111.6#

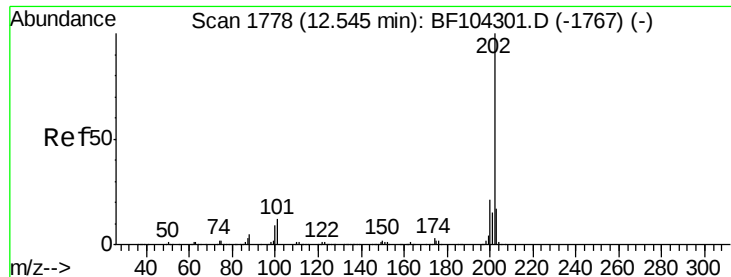


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 3.799 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF104479.D

Acq: 13 Apr 2018 15:34

Instrument :

BNA_F

ClientSampleId :

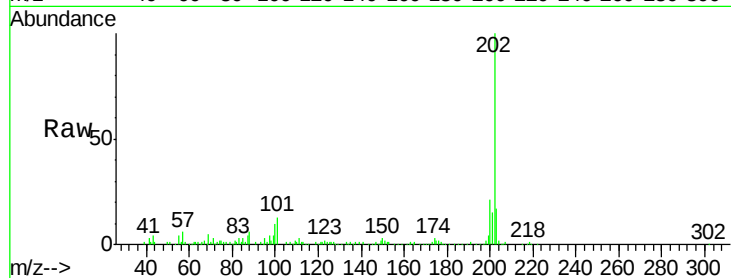
Tot Ion:202 Resp: 100928

Ion Ratio Lower Upper

202 100

101 13.1 0.0 34.1

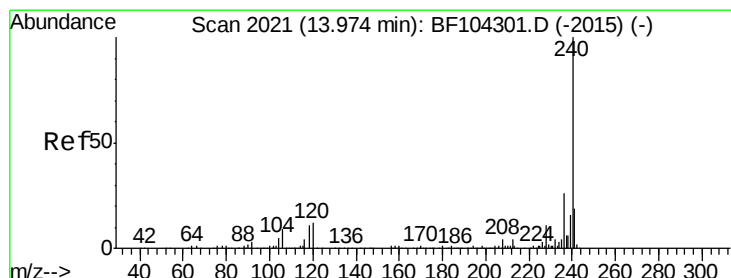
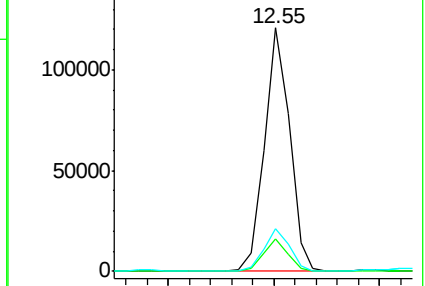
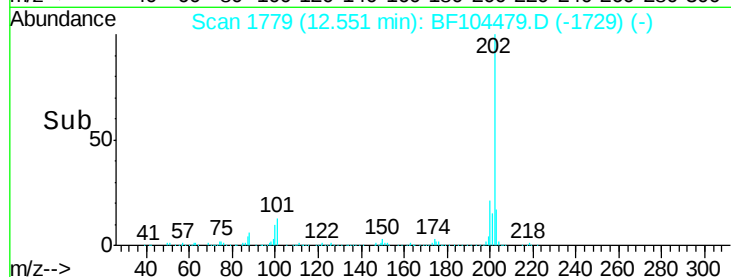
203 17.4 0.0 38.1



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: BF104479.D

Acq: 13 Apr 2018 15:34

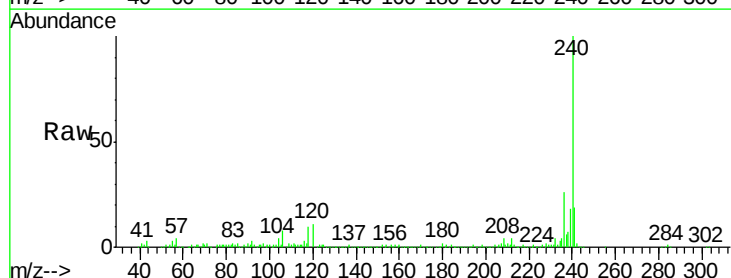
Tgt Ion:240 Resp: 288233

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

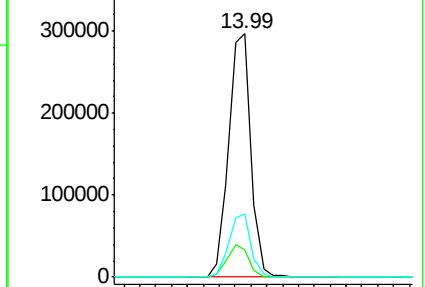
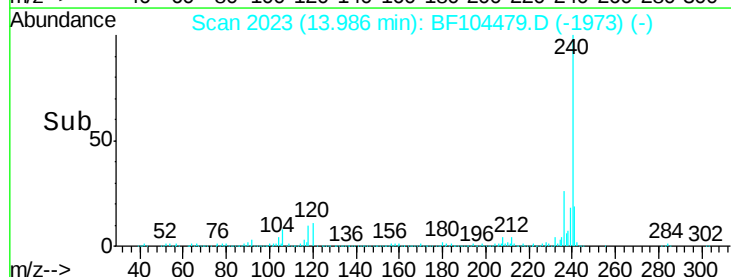
236 26.0 20.7 31.1

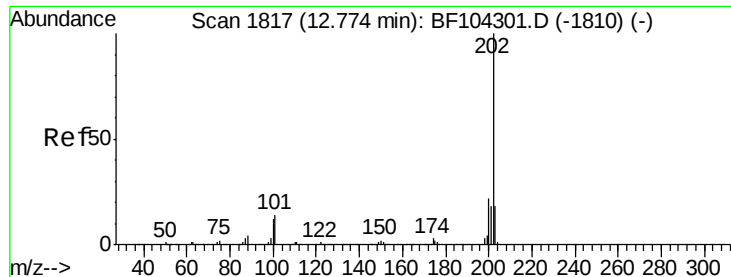


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.678 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF104479.D

Acq: 13 Apr 2018 15:34

Instrument :

BNA_F

ClientSampleId :

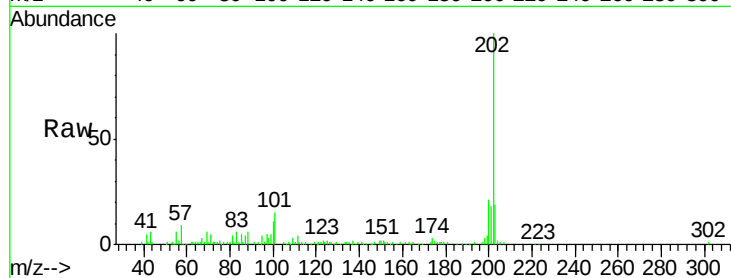
Tot Ion:202 Resp: 78582

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

203 19.3 14.3 21.5

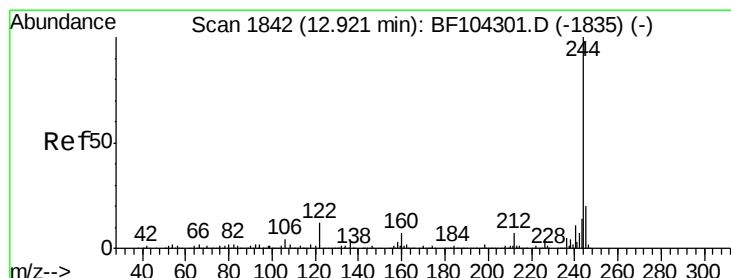
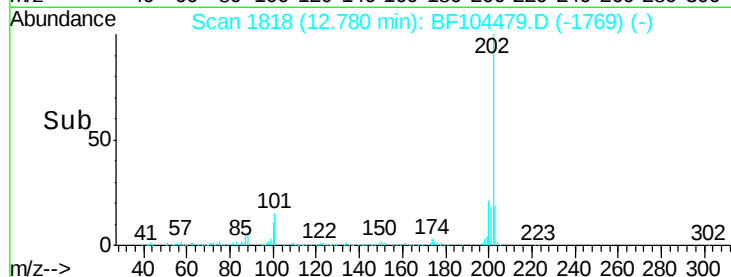
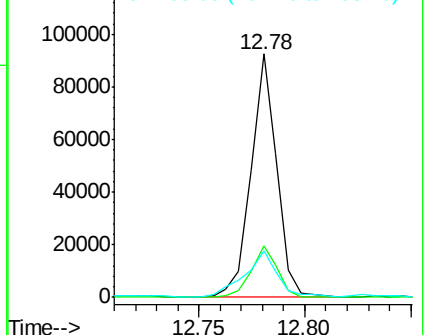


Abundance

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: 85.974 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BF104479.D

Acq: 13 Apr 2018 15:34

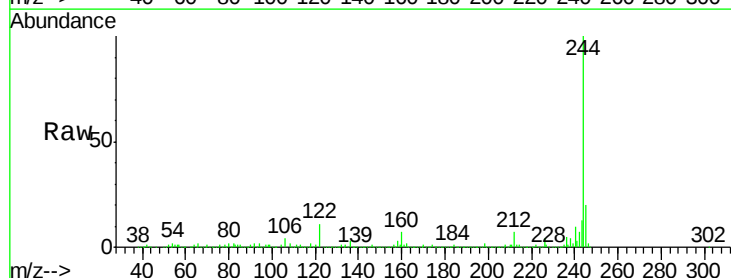
Tgt Ion:244 Resp: 1086949

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 11.1 11.0 16.4

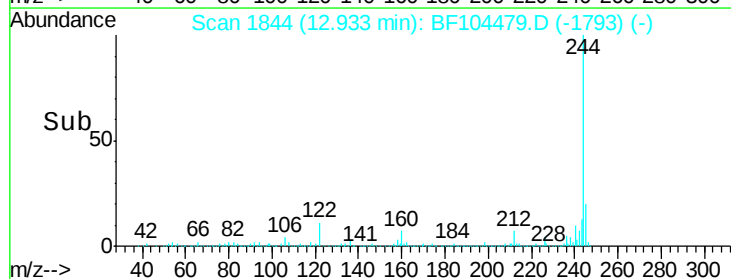
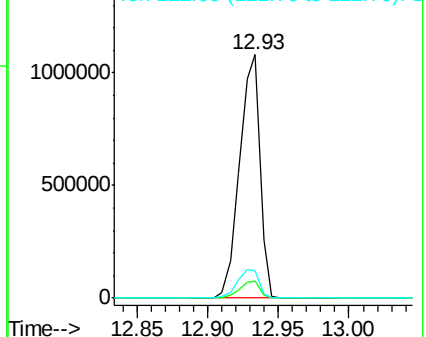


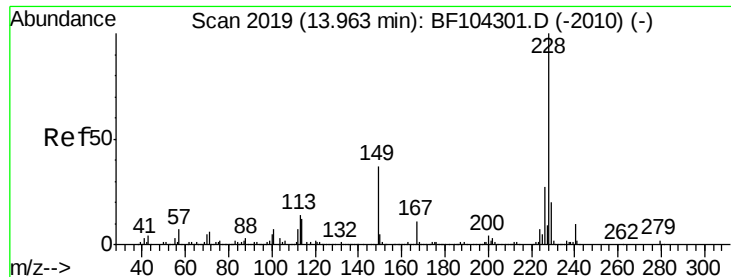
Abundance

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

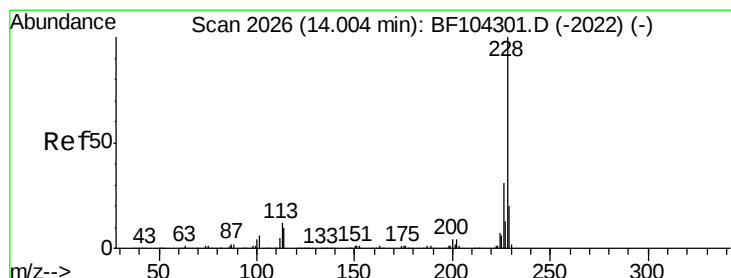
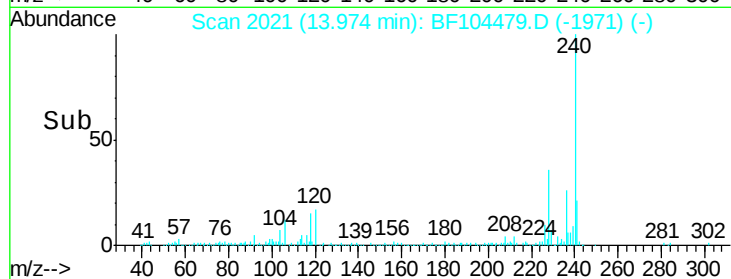
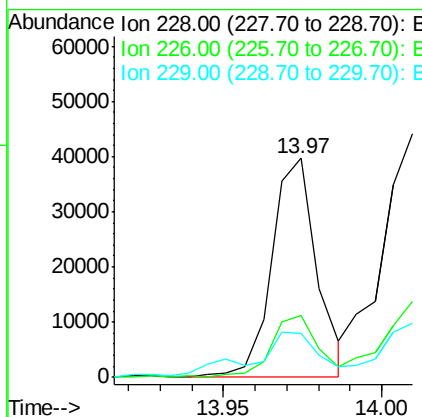
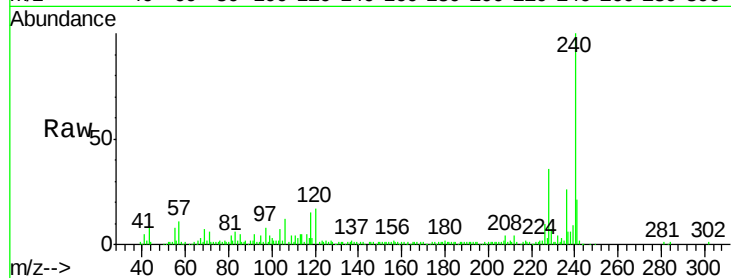




#80
Benzo(a)anthracene
Concen: 2.285 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF104479.D
Acq: 13 Apr 2018 15:34

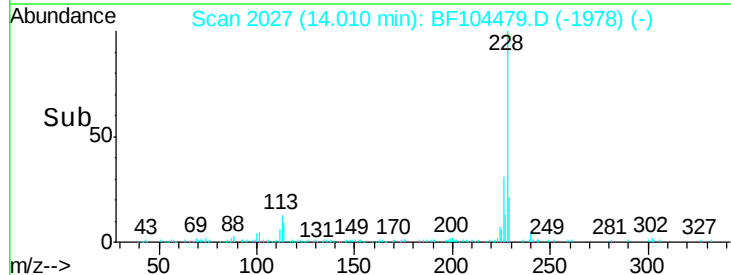
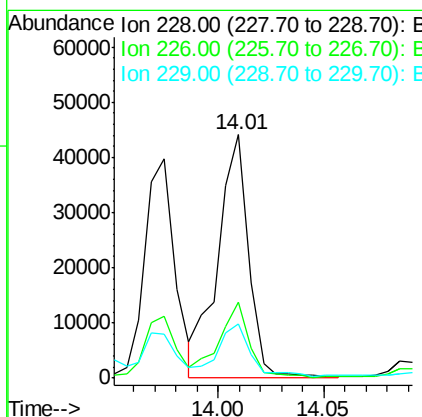
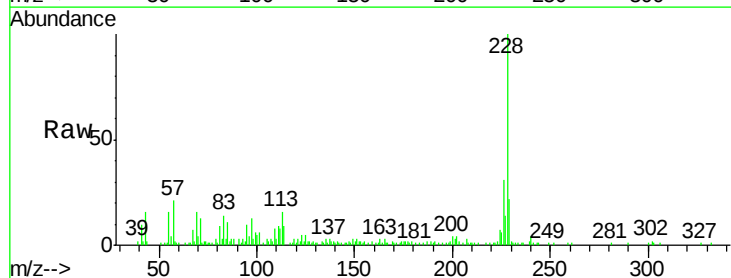
Instrument :
BNA_F
ClientSampleId :

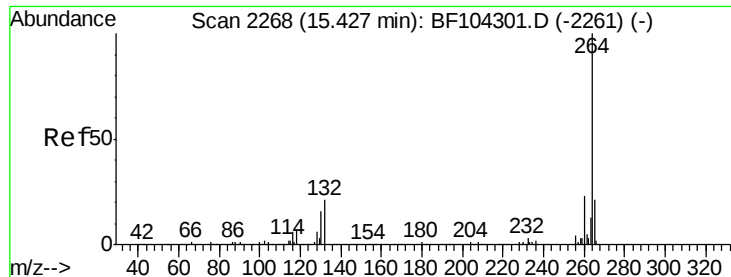
Tot Ion:228 Resp: 39350
Ion Ratio Lower Upper
228 100
226 28.2 22.6 33.8
229 19.9 15.8 23.6



#82
Chrysene
Concen: 2.544 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF104479.D
Acq: 13 Apr 2018 15:34

Tgt Ion:228 Resp: 44996
Ion Ratio Lower Upper
228 100
226 31.1 25.0 37.6
229 22.5 16.2 24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2273

Delta R.T. 0.00 min

Lab File: BF104479.D

Acq: 13 Apr 2018 15:34

Instrument :

BNA_F

ClientSampleId :

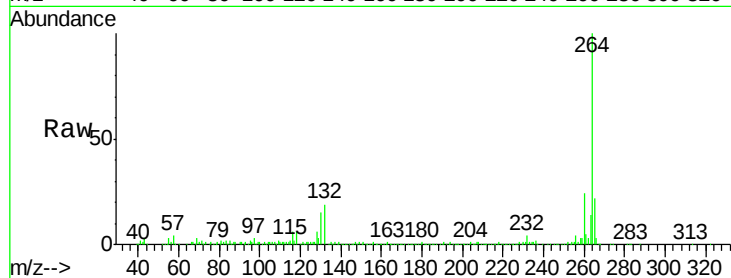
Tot Ion:264 Resp: 268645

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

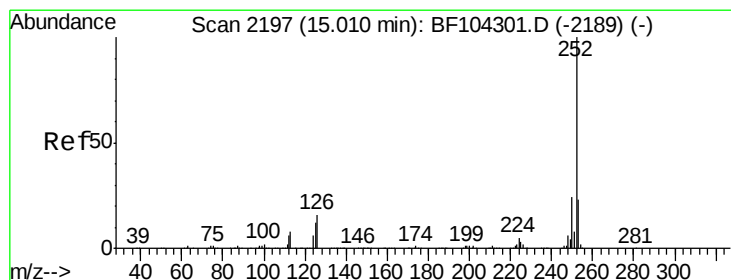
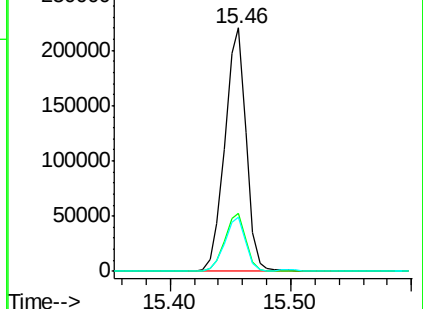
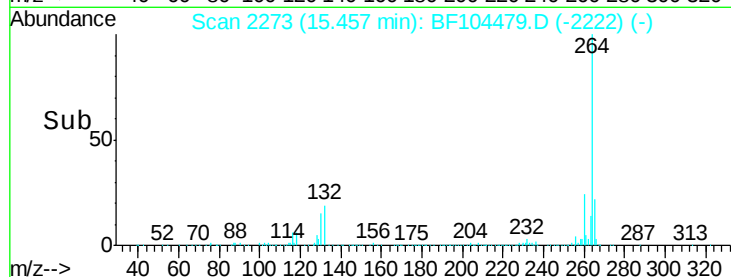
265 22.0 17.5 26.3



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: 3.552 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BF104479.D

Acq: 13 Apr 2018 15:34

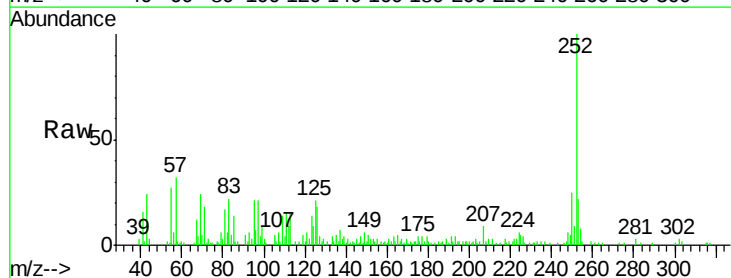
Tgt Ion:252 Resp: 60263

Ion Ratio Lower Upper

252 100

253 21.7 17.0 25.6

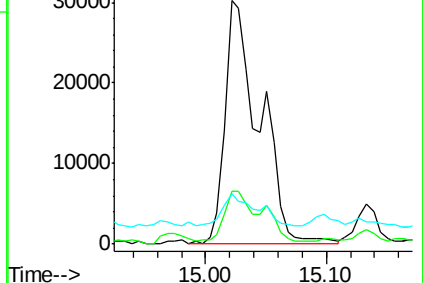
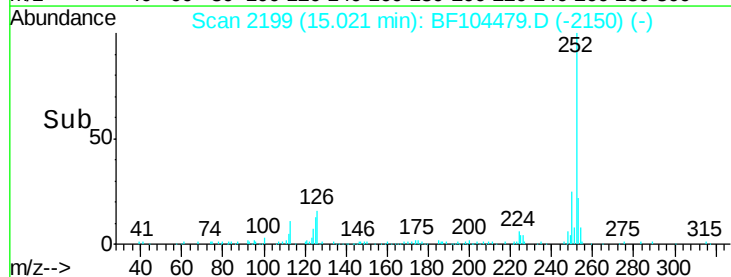
125 20.9 9.0 13.6#

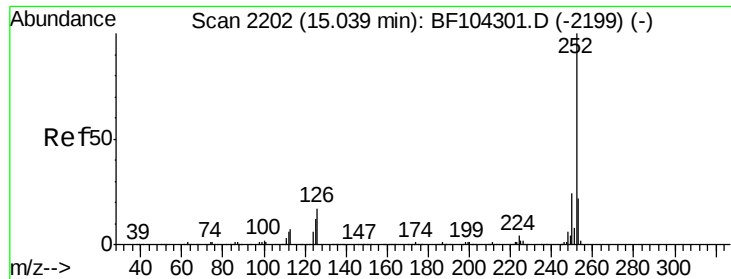


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

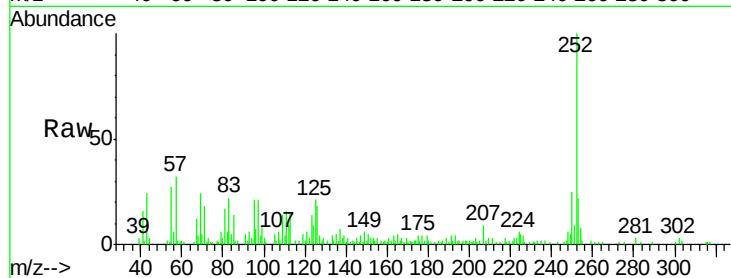




#88
 Benzo(k)fluoranthene
 Concen: 3.762 ng
 RT: 15.02 min Scan# 2199
 Delta R.T. -0.04 min
 Lab File: BF104479.D
 Acq: 13 Apr 2018 15:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.9	26.9
125	20.9	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

