

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121817\
 Data File : BF101493.D
 Acq On : 18 Dec 2017 20:57
 Operator : SJ/JU
 Sample : I6680-19 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PATERSON-02-121517

Quant Time: Dec 19 01:25:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:38:59 2017
 Response via : Initial Calibration

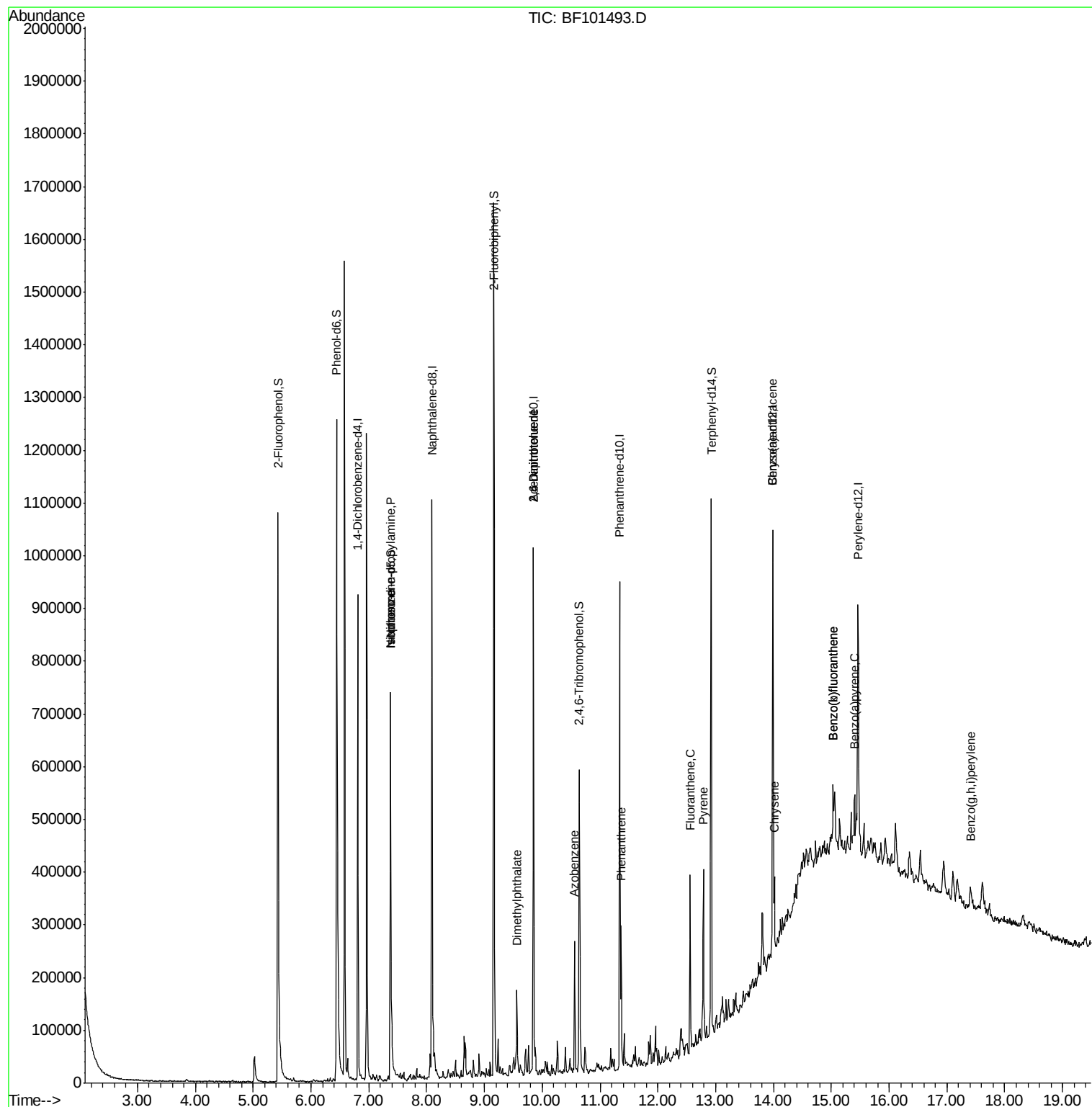
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	144982	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	537950	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	201761	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	312890	20.00	ng	0.00
75) Chrysene-d12	13.99	240	275989	20.00	ng	0.00
86) Perylene-d12	15.46	264	230188	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	430531	44.23	ng	0.00
7) Phenol-d6	6.45	99	520085	42.94	ng	0.00
23) Nitrobenzene-d5	7.37	82	286752	29.67	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	78095	40.17	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	519189	39.92	ng	0.00
78) Terphenyl-d14	12.92	244	356278	31.12	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	38571	4.85	ng	# 80
25) Isophorone	7.37	82	286750	14.79	ng	# 64
49) Dimethylphthalate	9.56	163	64826	3.99	ng	99
50) 2,6-Dinitrotoluene	9.85	165	27696	8.40	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	27696	7.45	ng	# 23
62) Azobenzene	10.56	77	42803	2.57	ng	# 1
70) Phenanthrene	11.36	178	93339	5.36	ng	99
74) Fluoranthene	12.56	202	126281	6.91	ng	96
77) Pyrene	12.79	202	120248	5.81	ng	98
80) Benzo(a)anthracene	13.98	228	59865	3.28	ng	96
82) Chrysene	14.02	228	57973	3.37	ng	95
87) Benzo(b)fluoranthene	15.03	252	85298	6.08	ng	# 88
88) Benzo(k)fluoranthene	15.03	252	85298	6.25	ng	# 91
89) Benzo(a)pyrene	15.40	252	46308	3.58	ng	# 91
91) Benzo(a,h,i)perylene	17.40	276	27016	2.46	ng	# 92

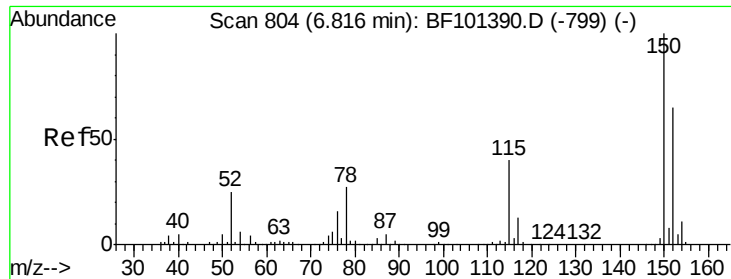
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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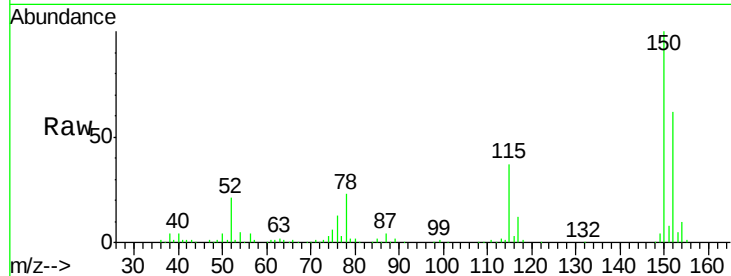


#1

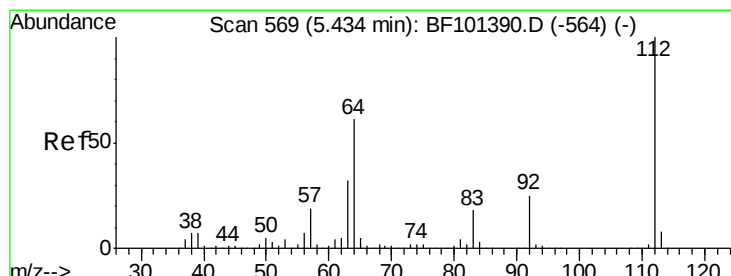
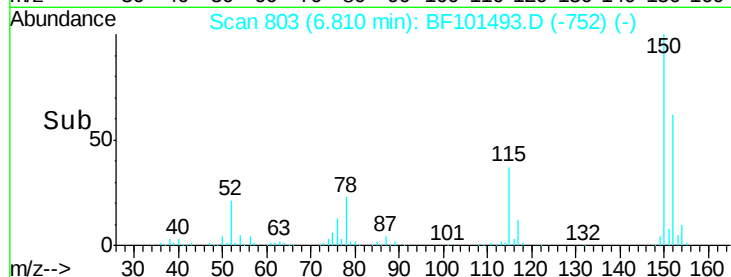
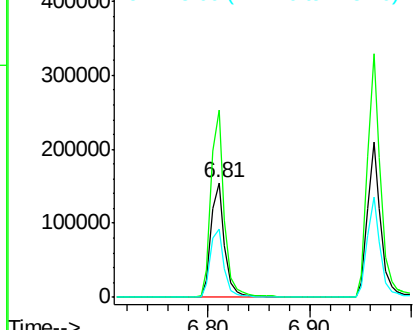
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF101493.D
Acq: 18 Dec 2017 20:57

Instrument :
BNA_F
ClientSampleId :
PATERSON-02-121517

Tot Ion:152 Resp: 144982
Ion Ratio Lower Upper
152 100
150 162.4 124.6 186.8
115 59.5 50.1 75.1



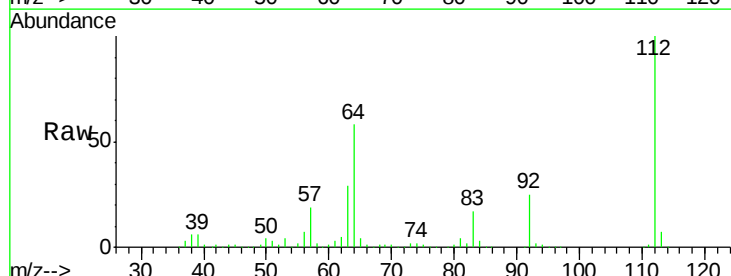
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



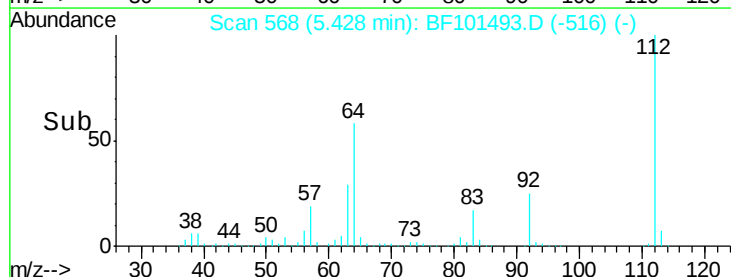
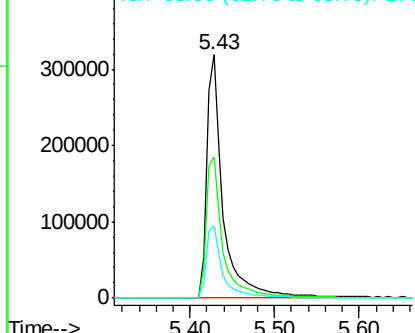
#5

2-Fluorophenol
Concen: 44.23 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF101493.D
Acq: 18 Dec 2017 20:57

Tgt Ion:112 Resp: 430531
Ion Ratio Lower Upper
112 100
64 58.3 47.9 71.9
63 29.4 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: 42.94 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF101493.D

Acq: 18 Dec 2017 20:57

Instrument :

BNA_F

ClientSampleId :

PATERSON-02-121517

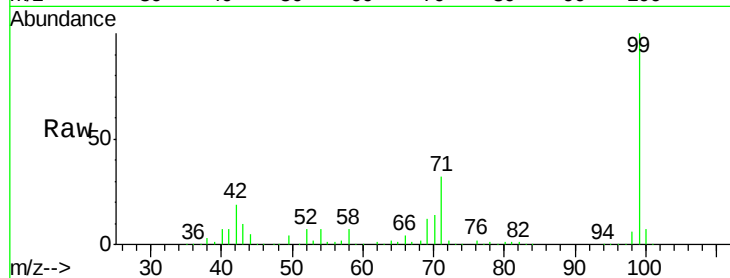
Tot Ion: 99 Resp: 520085

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

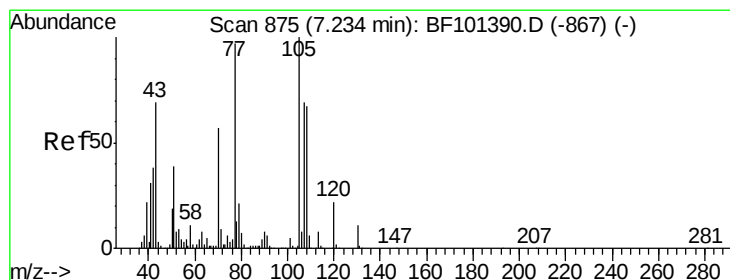
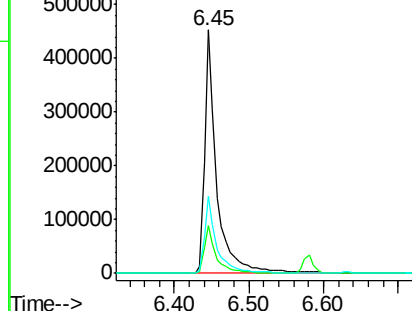
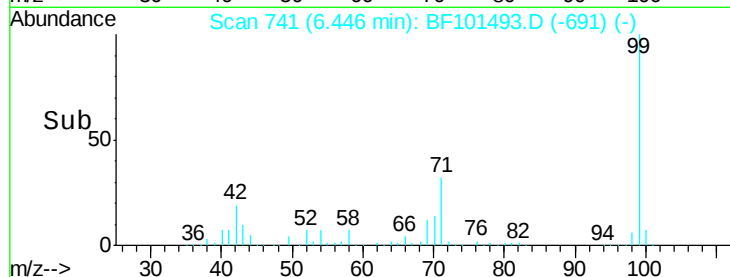
71 31.6 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 4.85 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF101493.D

Acq: 18 Dec 2017 20:57

Tgt Ion: 70 Resp: 38571

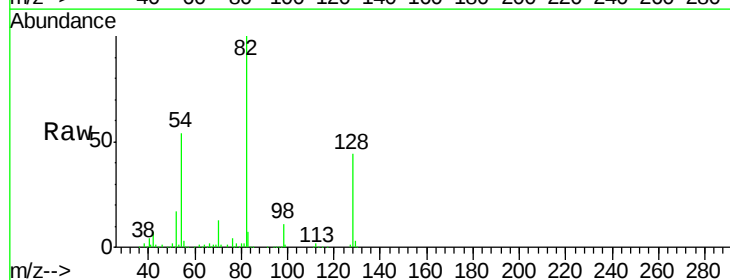
Ion Ratio Lower Upper

70 100

42 50.9 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

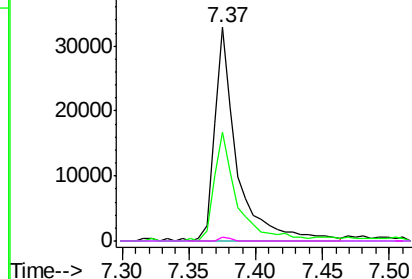
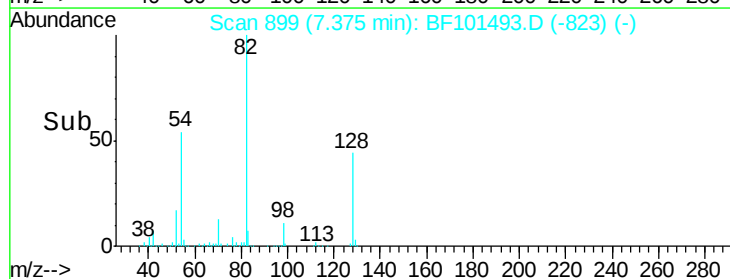


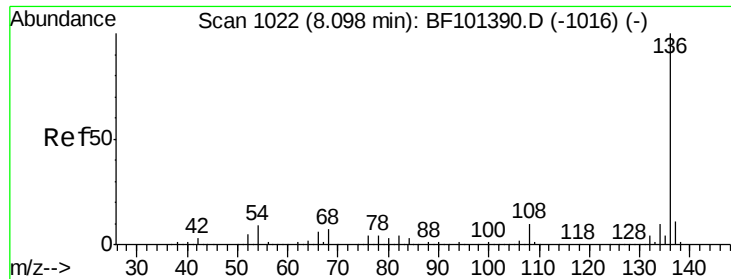
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

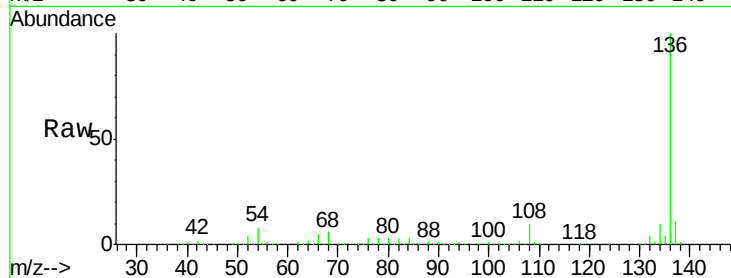




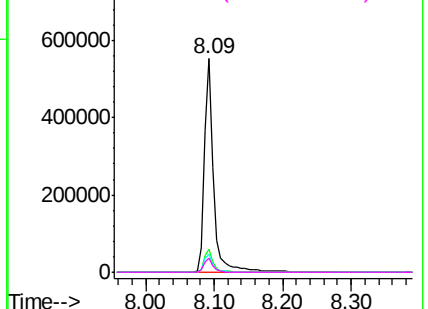
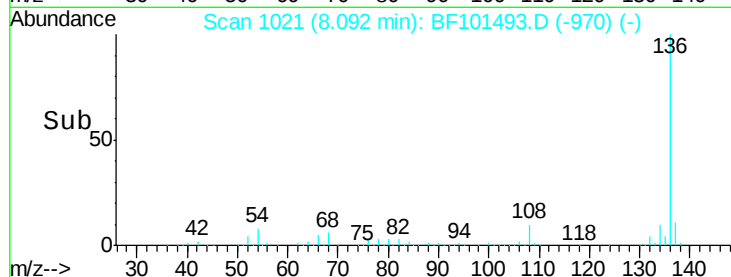
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF101493.D
Acq: 18 Dec 2017 20:57

Instrument :
BNA_F
ClientSampleId :
PATERSON-02-121517

Tot Ion:136	Resp:	537950
Ion Ratio	Lower	Upper
136 100		
137 10.7	8.9	13.3
54 8.4	6.6	9.8
68 6.3	5.0	7.4

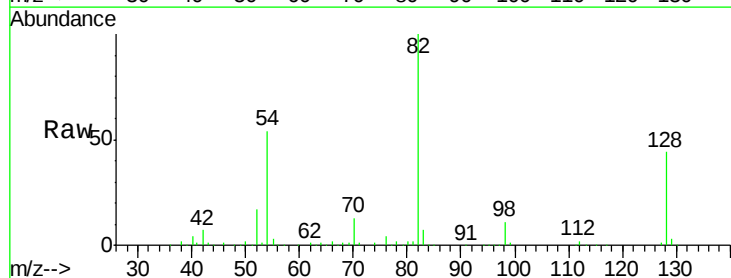


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

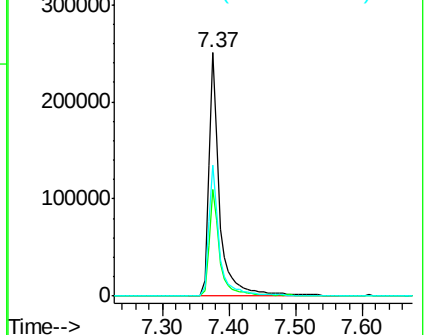
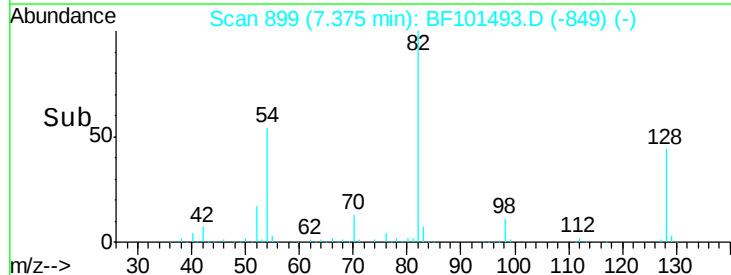


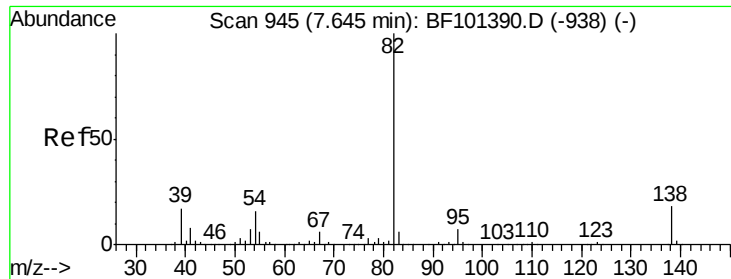
#23
Nitrobenzene-d5
Concen: 29.67 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF101493.D
Acq: 18 Dec 2017 20:57

Tgt Ion: 82	Resp:	286752
Ion Ratio	Lower	Upper
82 100		
128 44.0	36.1	54.1
54 53.6	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: 14.79 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF101493.D

Acq: 18 Dec 2017 20:57

Instrument :

BNA_F

ClientSampleId :

PATERSON-02-121517

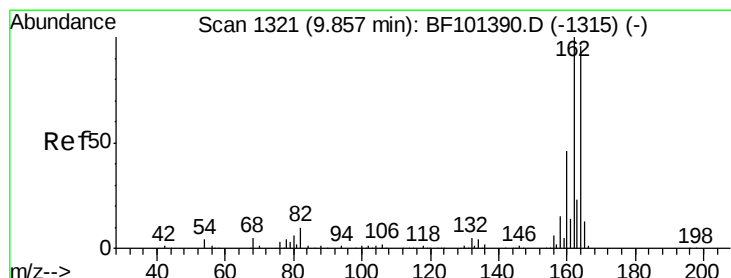
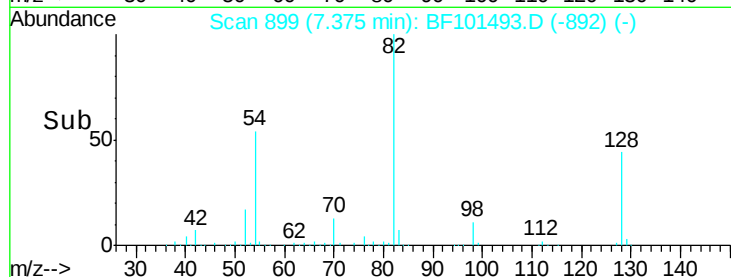
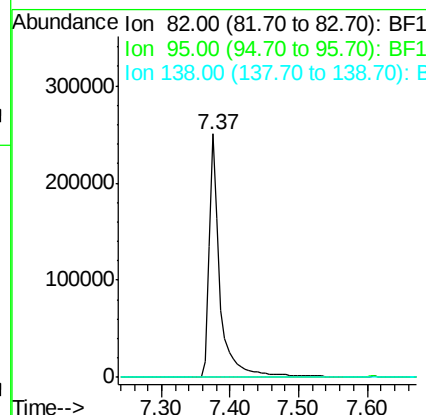
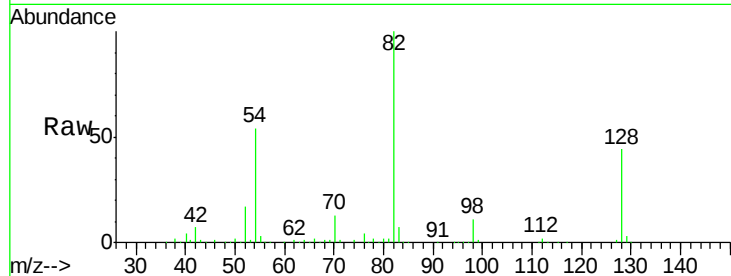
Tot Ion: 82 Resp: 286750

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF101493.D

Acq: 18 Dec 2017 20:57

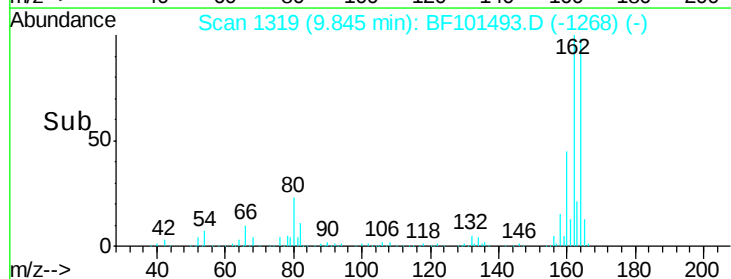
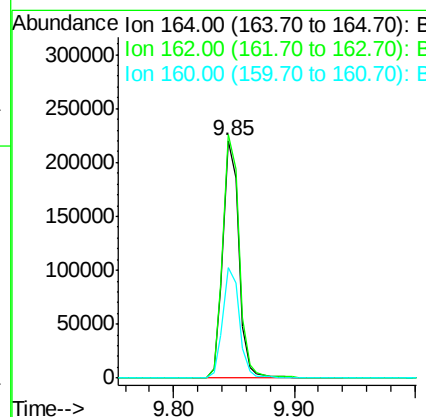
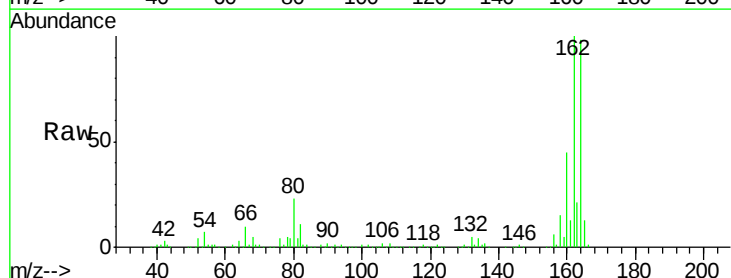
Tgt Ion: 164 Resp: 201761

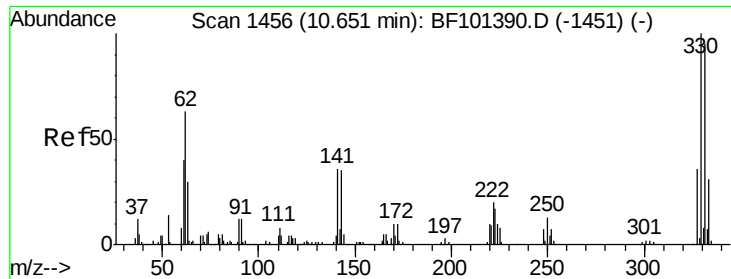
Ion Ratio Lower Upper

164 100

162 102.5 86.1 129.1

160 46.4 38.3 57.5

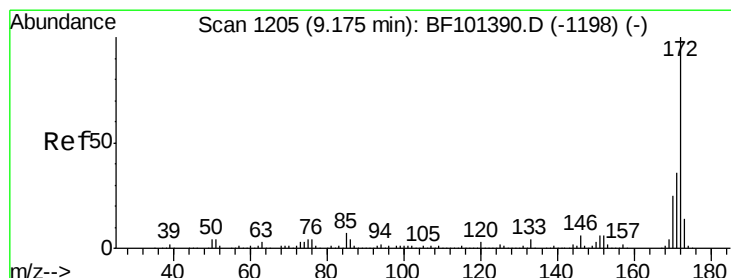
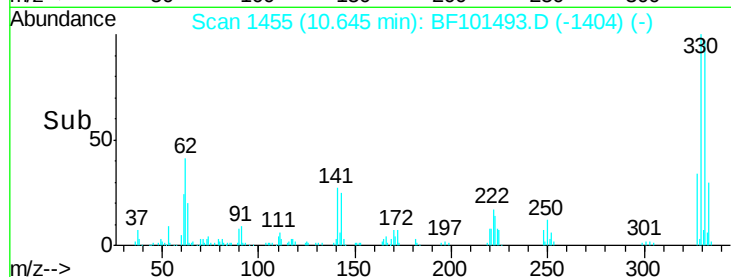
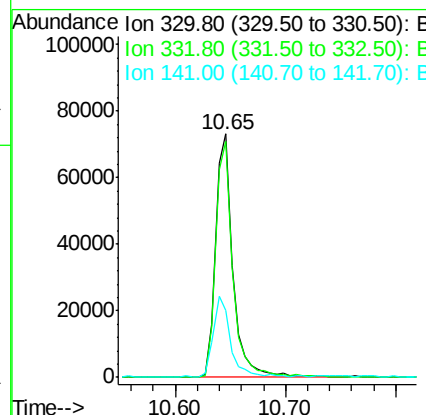
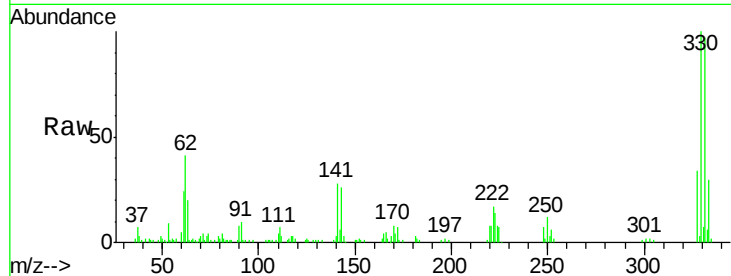




#41
 2,4,6-Tribromophenol
 Concen: 40.17 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF101493.D
 Acq: 18 Dec 2017 20:57

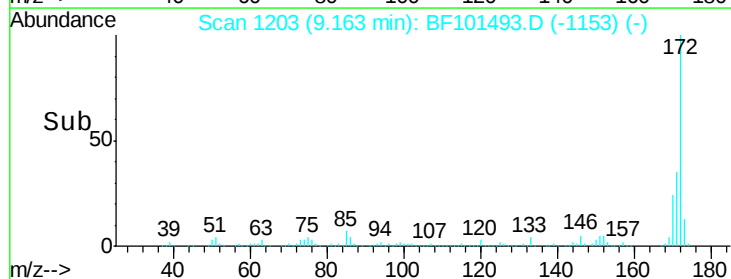
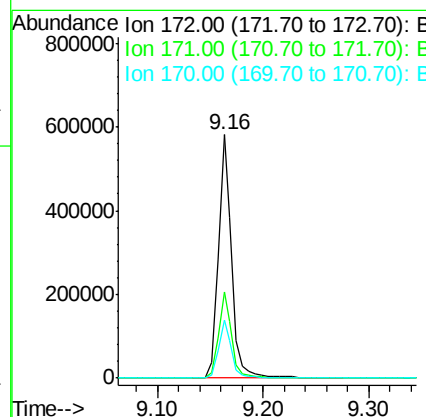
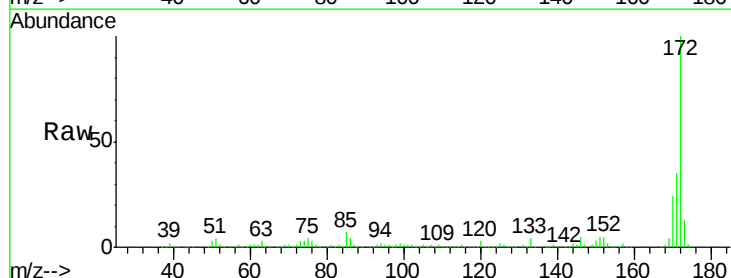
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 PATERSON-02-121517

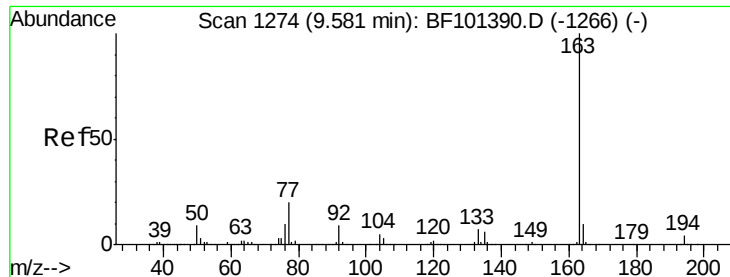
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	33.8	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 39.92 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF101493.D
 Acq: 18 Dec 2017 20:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.8	19.6	29.4

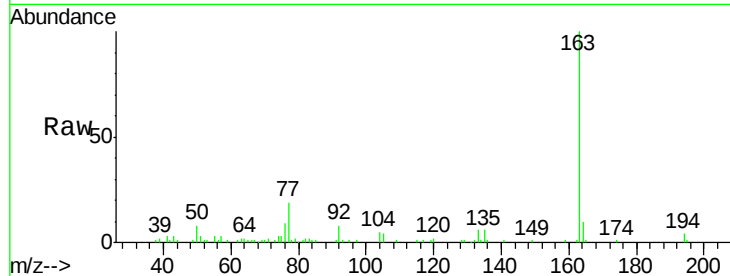




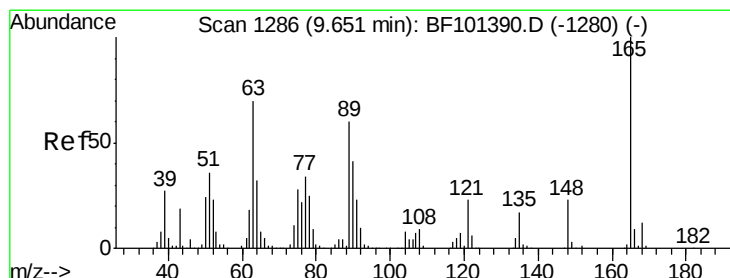
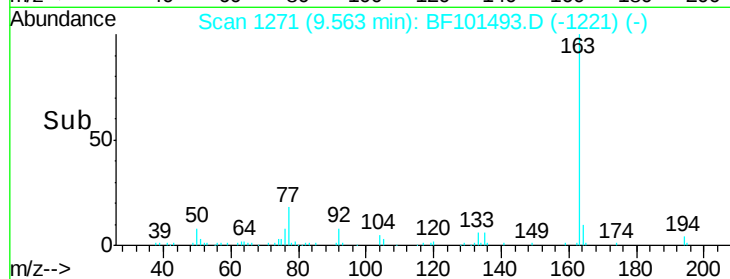
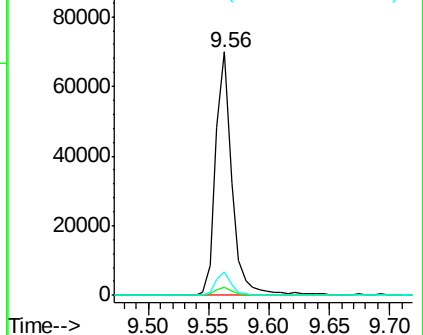
#49
Dimethylphthalate
Concen: 3.99 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF101493.D
Acq: 18 Dec 2017 20:57

Instrument :
BNA_F
ClientSampleId :
PATERSON-02-121517

Tot Ion:163 Resp: 64826
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.7 8.2 12.2

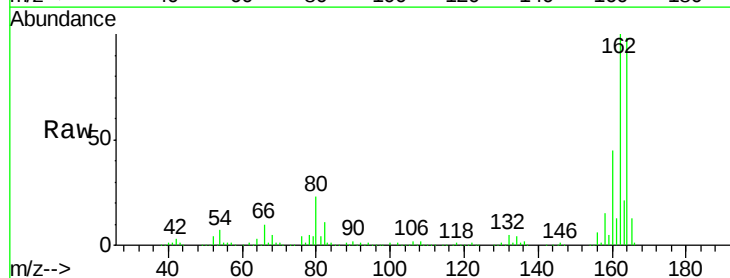


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

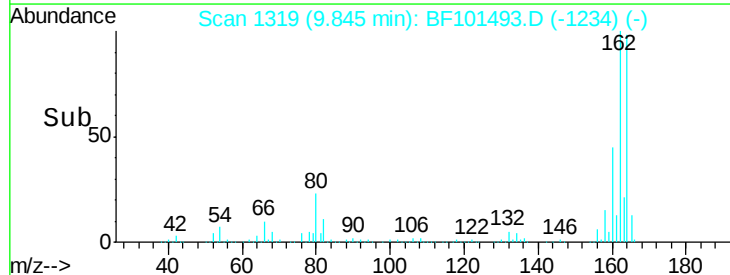
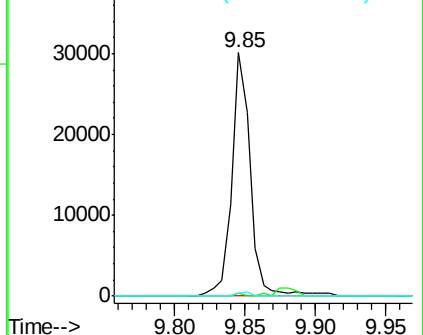


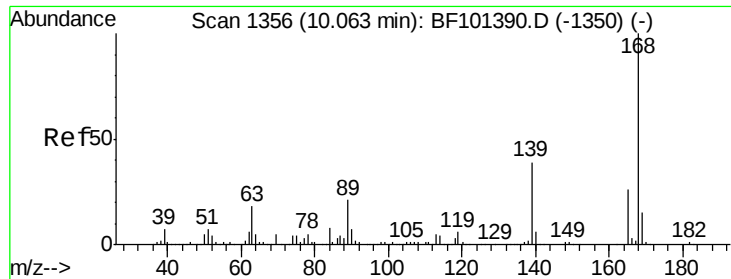
#50
2,6-Dinitrotoluene
Concen: 8.40 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.20 min
Lab File: BF101493.D
Acq: 18 Dec 2017 20:57

Tgt Ion:165 Resp: 27696
Ion Ratio Lower Upper
165 100
63 1.4 44.7 67.1#
89 1.2 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

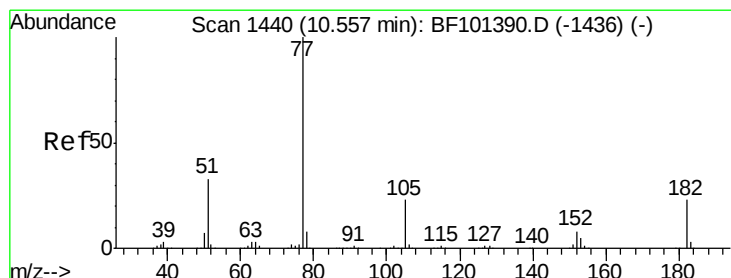
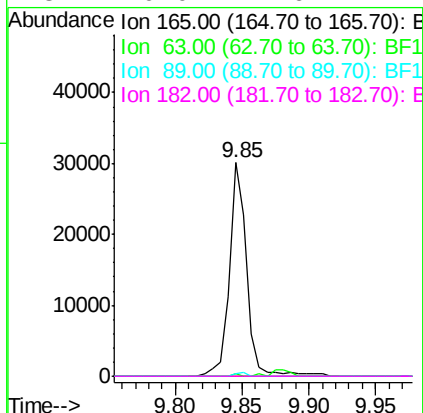
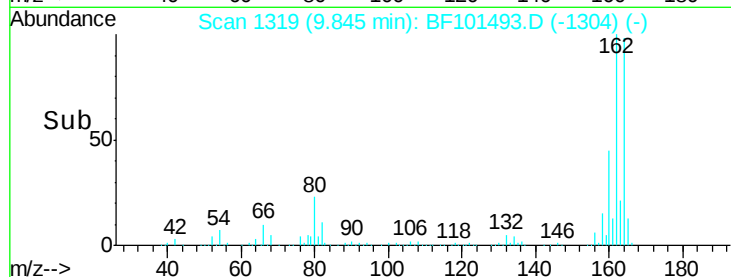
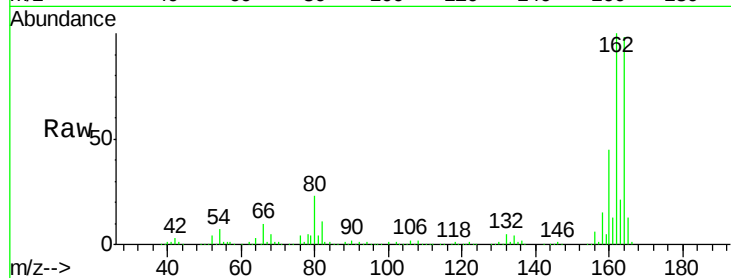




#56
 2,4-Dinitrotoluene
 Concen: 7.45 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.21 min
 Lab File: BF101493.D
 Acq: 18 Dec 2017 20:57

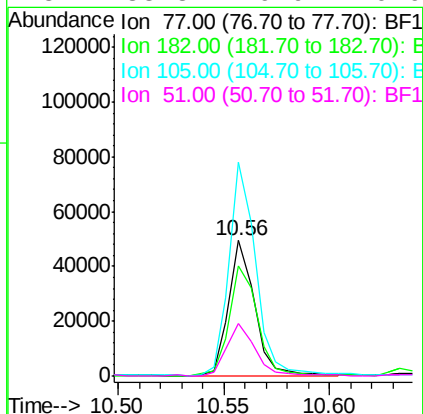
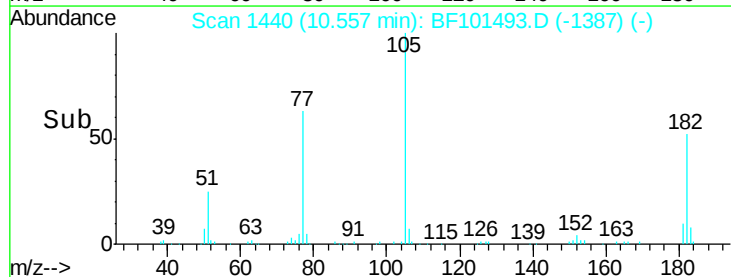
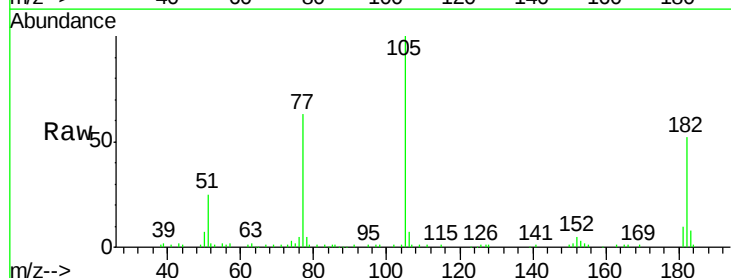
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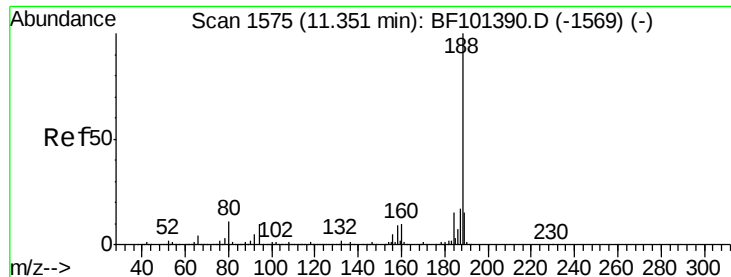
Tot Ion:	165	Resp:	27696
Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#



#62
 Azobenzene
 Concen: 2.57 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: BF101493.D
 Acq: 18 Dec 2017 20:57

Tgt Ion:	77	Resp:	42803
Ion	Ratio	Lower	Upper
77	100		
182	81.7	1.7	41.7#
105	157.7	3.0	43.0#
51	38.8	9.9	49.9

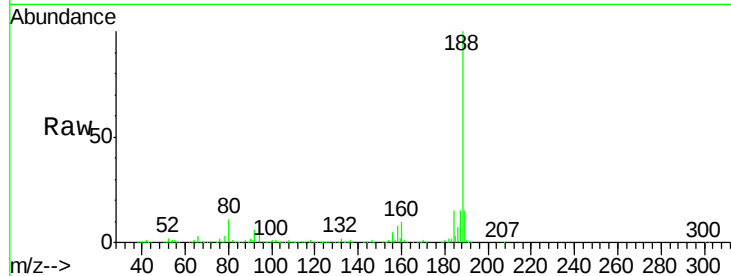




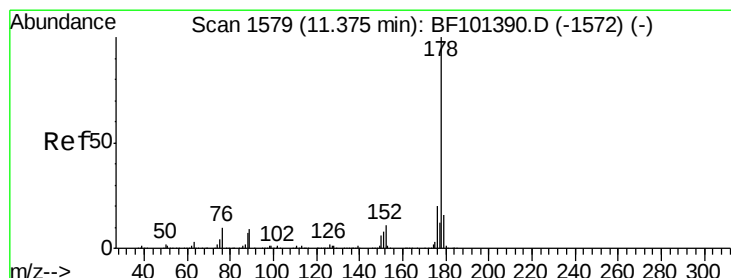
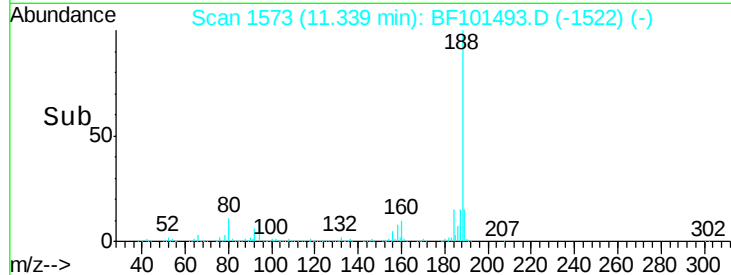
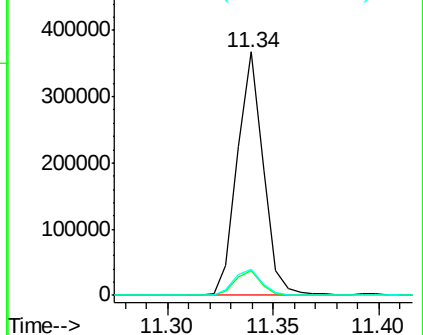
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF101493.D
Acq: 18 Dec 2017 20:57

Instrument :
BNA_F
ClientSampleId :
PATERSON-02-121517

Tot Ion:188 Resp: 312890
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 10.7 9.2 13.8

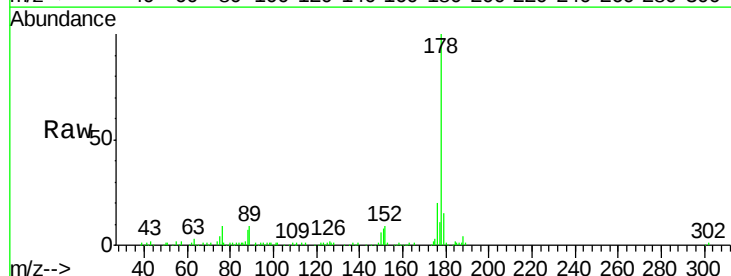


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

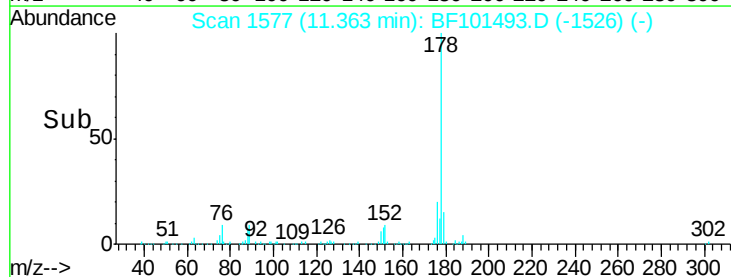
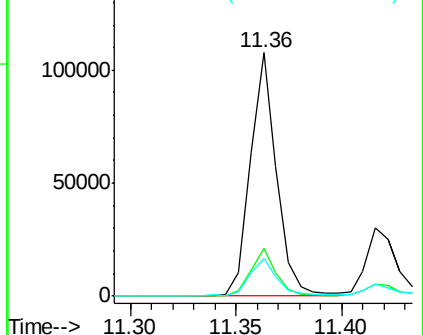


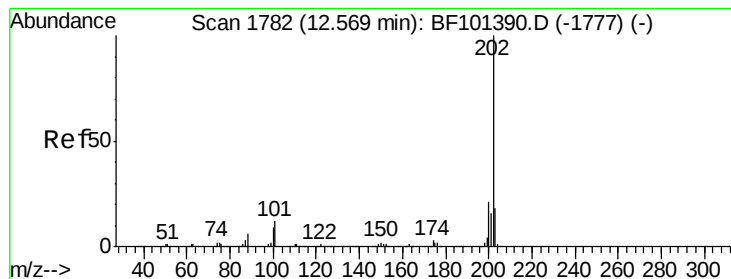
#70
Phenanthrene
Concen: 5.36 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BF101493.D
Acq: 18 Dec 2017 20:57

Tgt Ion:178 Resp: 93339
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.3 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





#74

Fluoranthene

Concen: 6.91 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BF101493.D

Acq: 18 Dec 2017 20:57

Instrument :

BNA_F

ClientSampleId :

PATERSON-02-121517

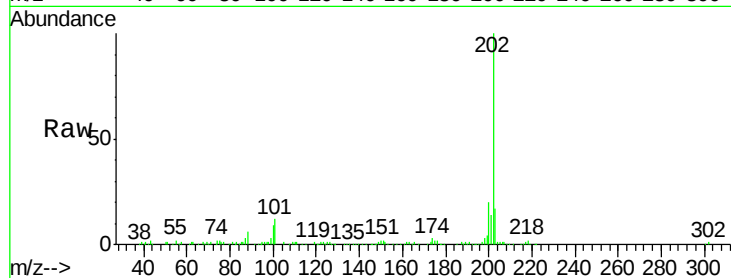
Tot Ion:202 Resp: 126281

Ion Ratio Lower Upper

202 100

101 12.2 0.0 34.1

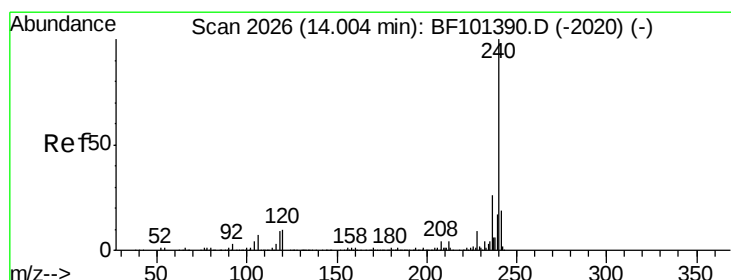
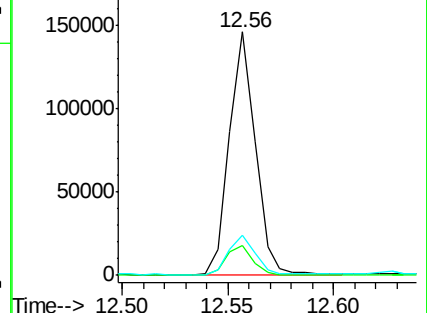
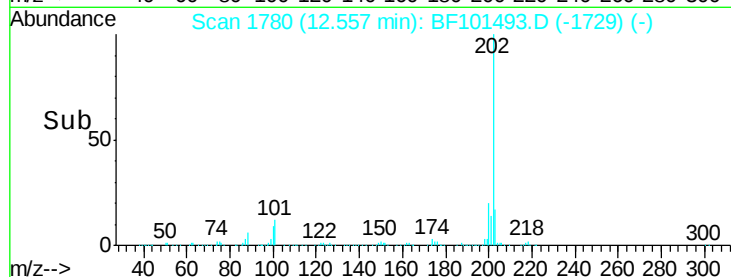
203 16.6 0.0 38.1



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: 20.00 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF101493.D

Acq: 18 Dec 2017 20:57

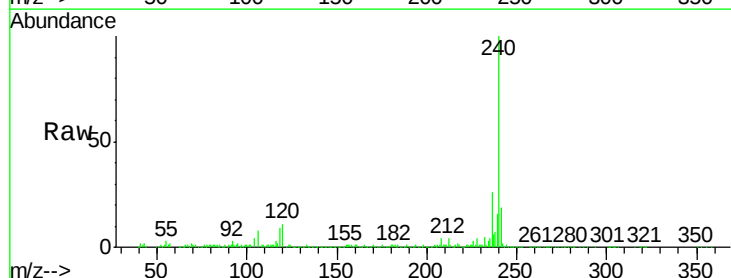
Tgt Ion:240 Resp: 275989

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

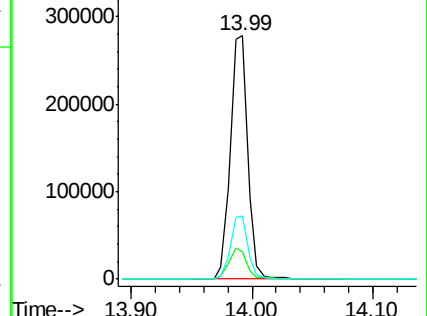
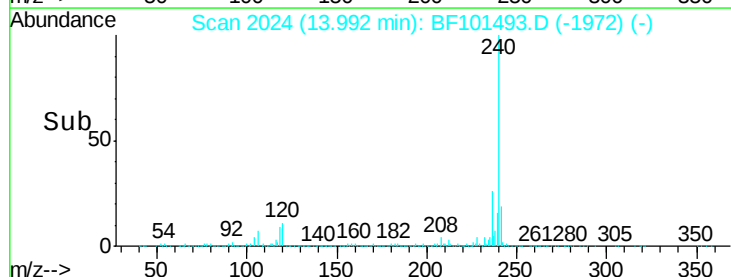
236 26.1 20.7 31.1

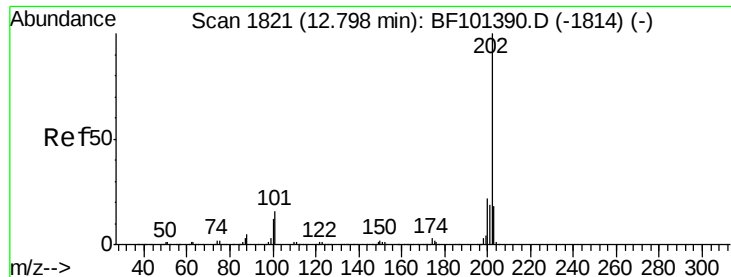


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.81 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.00 min

Lab File: BF101493.D

Acq: 18 Dec 2017 20:57

Instrument :

BNA_F

ClientSampleId :

PATERSON-02-121517

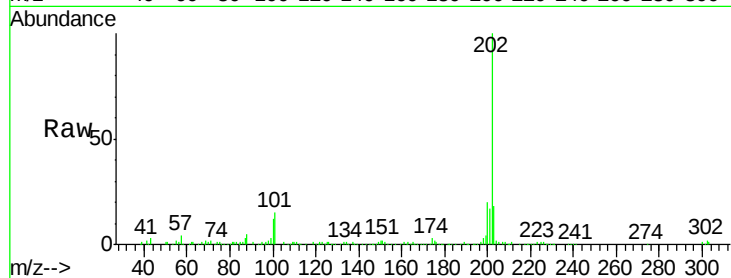
Tot Ion:202 Resp: 120248

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

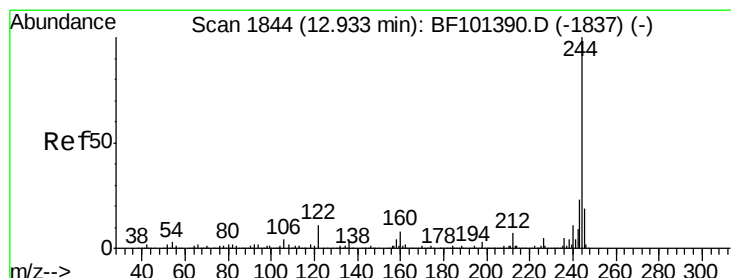
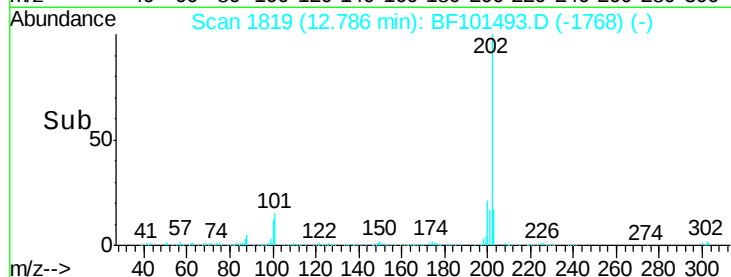
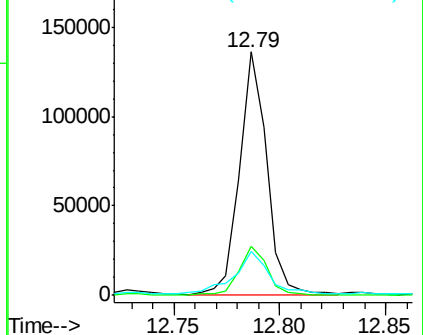
203 18.1 14.3 21.5



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: 31.12 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF101493.D

Acq: 18 Dec 2017 20:57

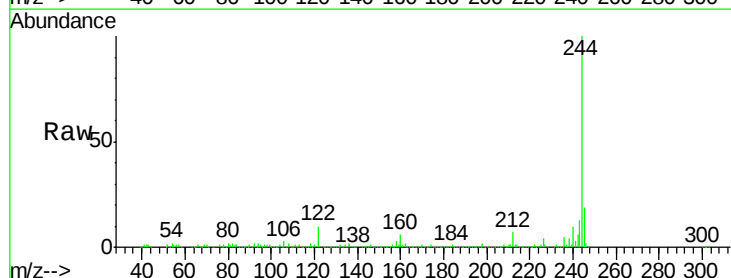
Tgt Ion:244 Resp: 356278

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

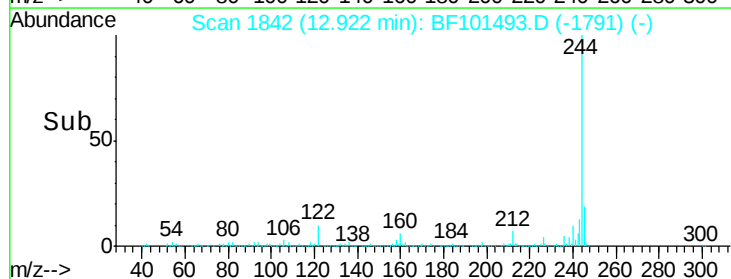
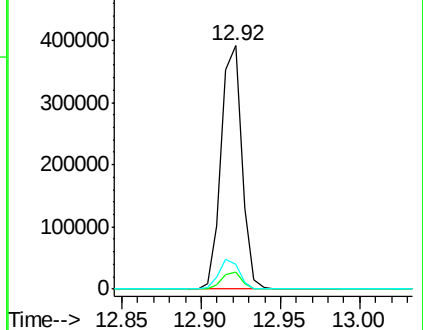
122 10.2 11.0 16.4#

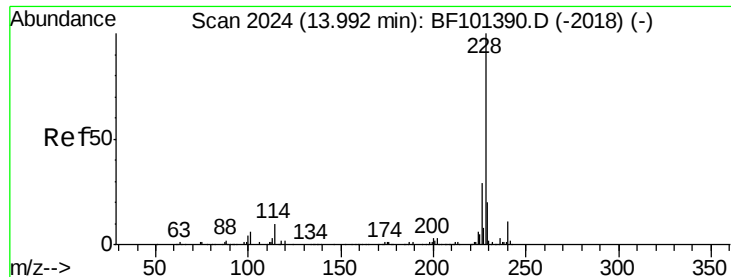


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

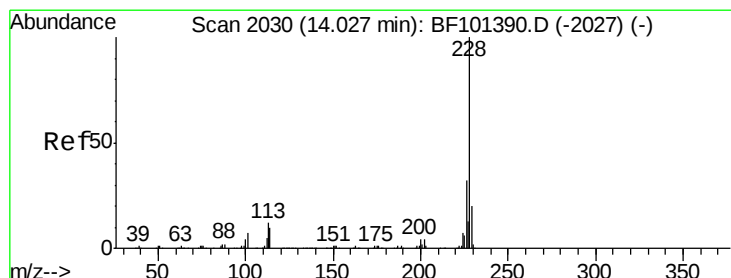
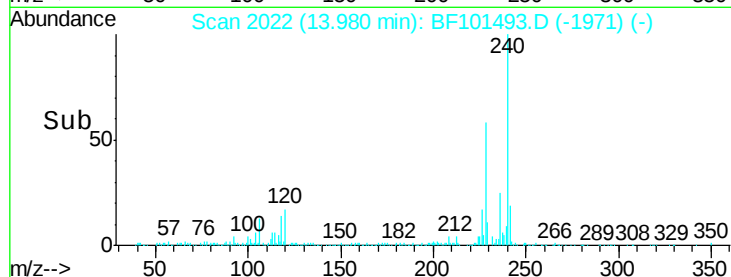
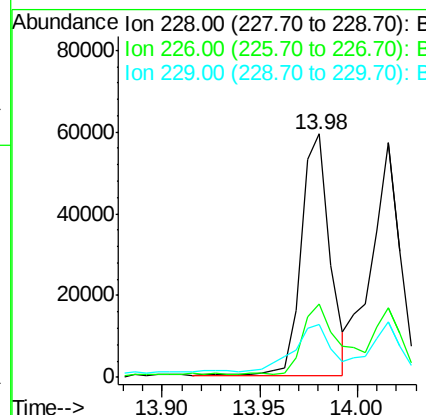
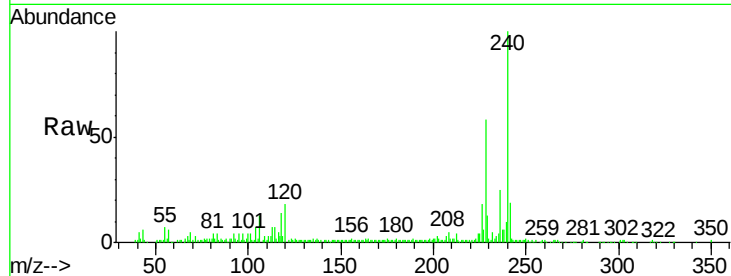




#80
Benzo(a)anthracene
Concen: 3.28 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BF101493.D
Acq: 18 Dec 2017 20:57

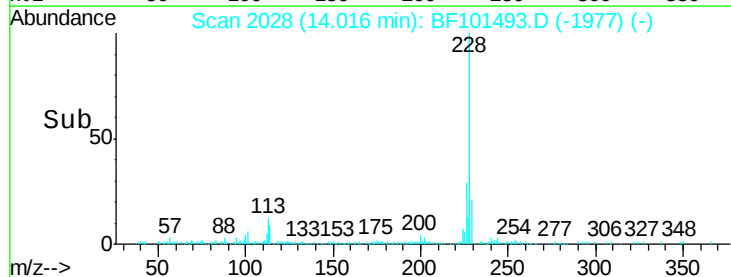
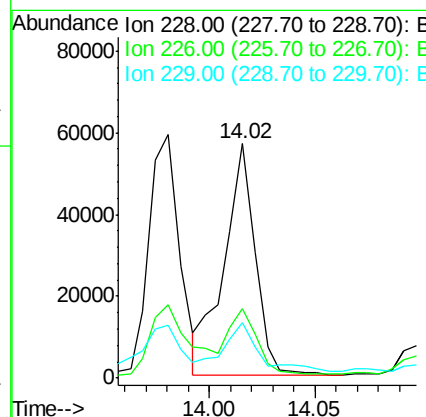
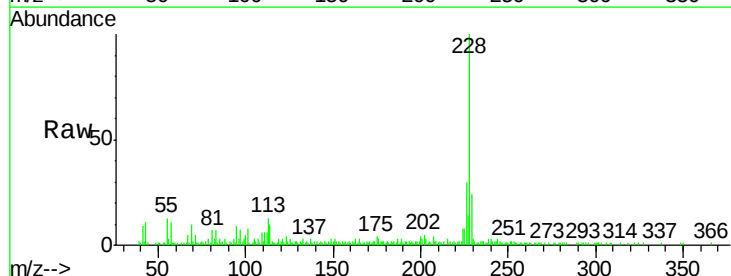
Instrument :
BNA_F
ClientSampleId :
PATERSON-02-121517

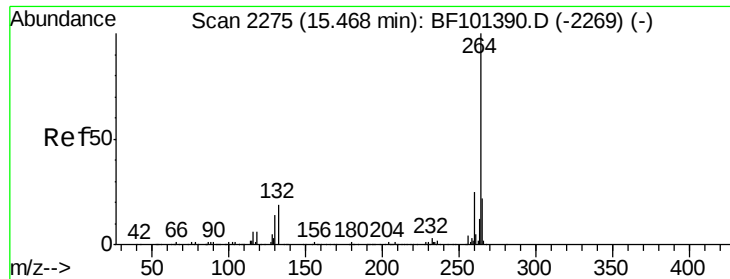
Tot Ion:228 Resp: 59865
Ion Ratio Lower Upper
228 100
226 30.3 22.6 33.8
229 22.0 15.8 23.6



#82
Chrysene
Concen: 3.37 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF101493.D
Acq: 18 Dec 2017 20:57

Tgt Ion:228 Resp: 57973
Ion Ratio Lower Upper
228 100
226 29.6 25.0 37.6
229 23.8 16.2 24.4

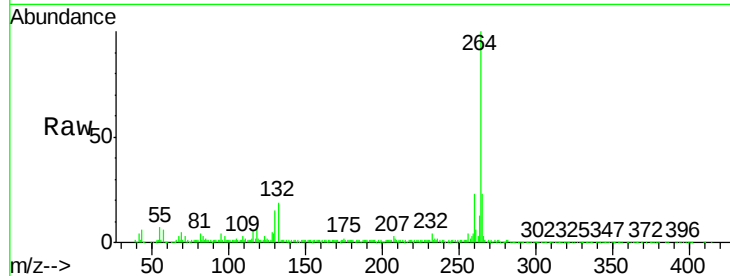




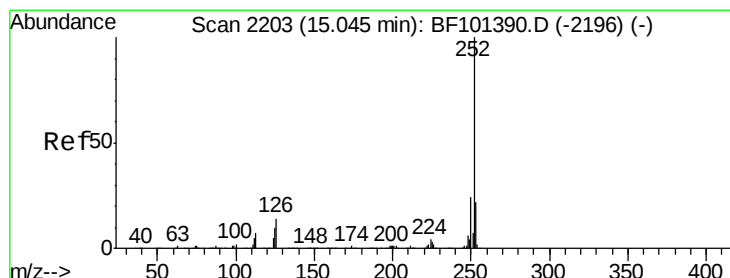
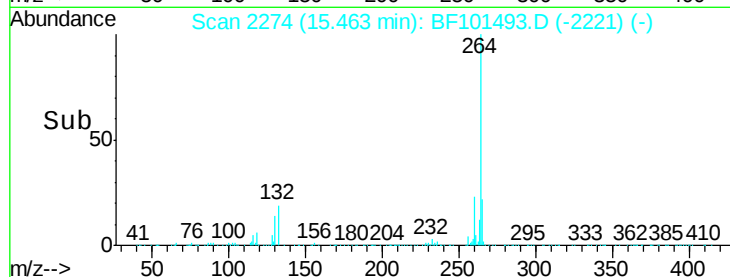
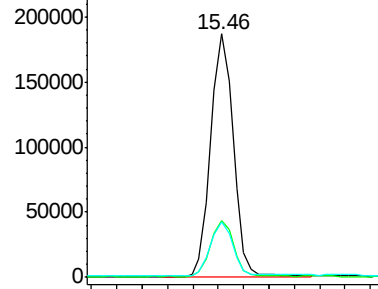
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF101493.D
Acq: 18 Dec 2017 20:57

Instrument :
BNA_F
ClientSampleId :
PATERSON-02-121517

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.7	17.5	26.3

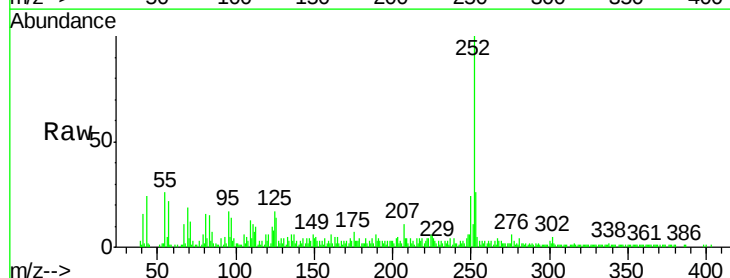


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

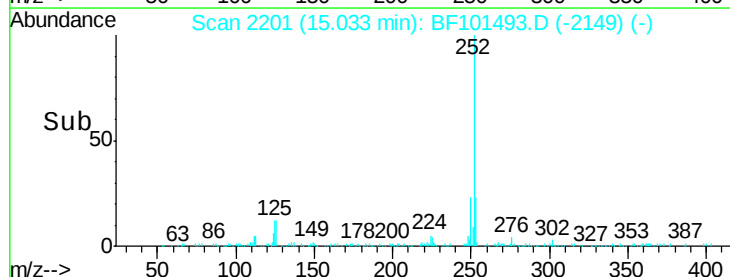
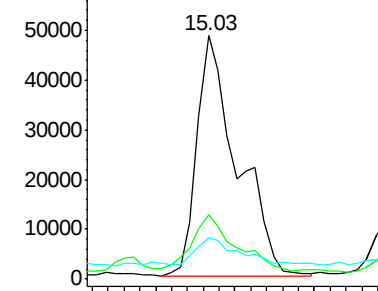


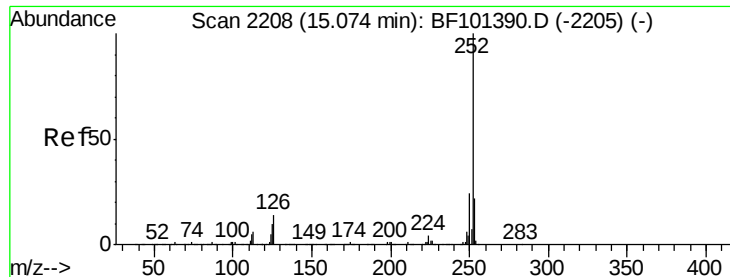
#87
Benzo(b)fluoranthene
Concen: 6.08 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF101493.D
Acq: 18 Dec 2017 20:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.0	25.6#
125	17.0	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

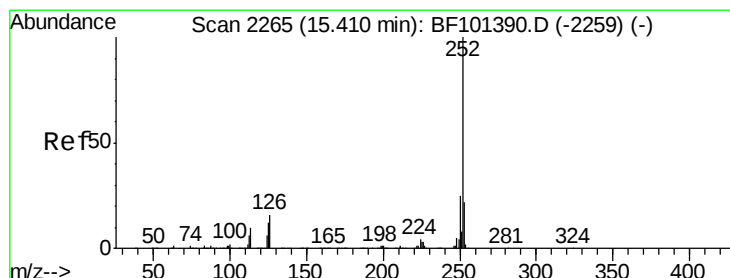
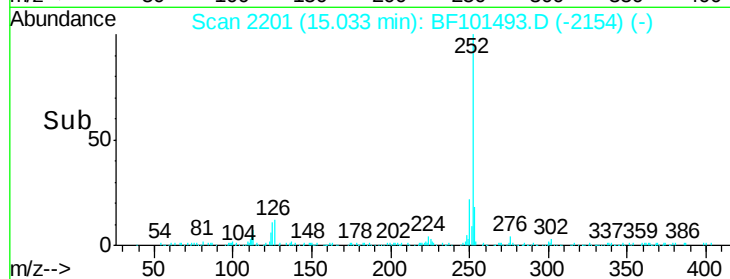
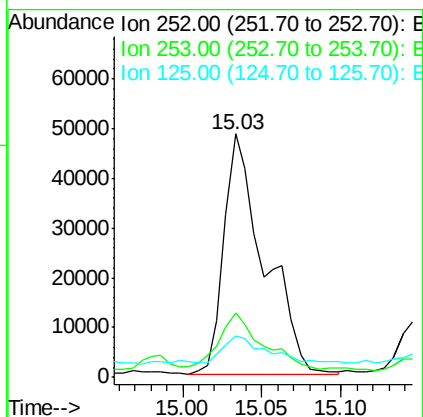
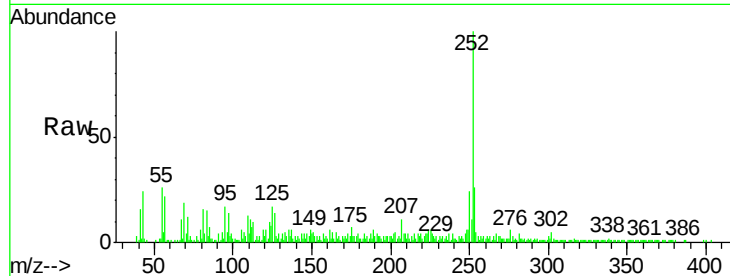




#88
Benzo(k)fluoranthene
Concen: 6.25 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF101493.D
Acq: 18 Dec 2017 20:57

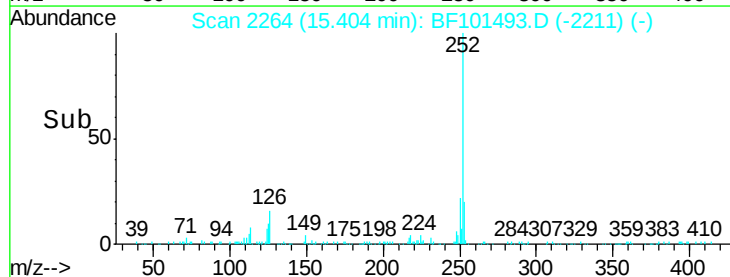
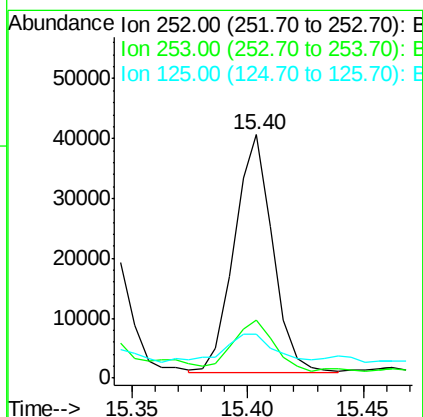
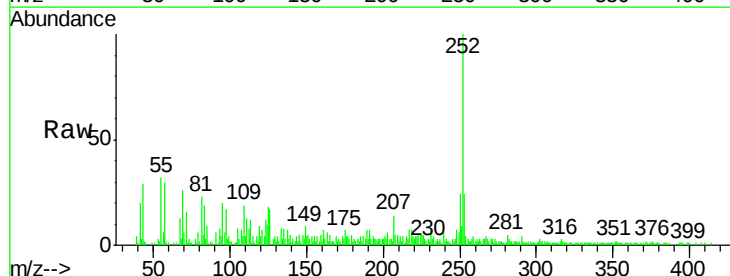
Instrument :
BNA_F
ClientSampleId :
PATERSON-02-121517

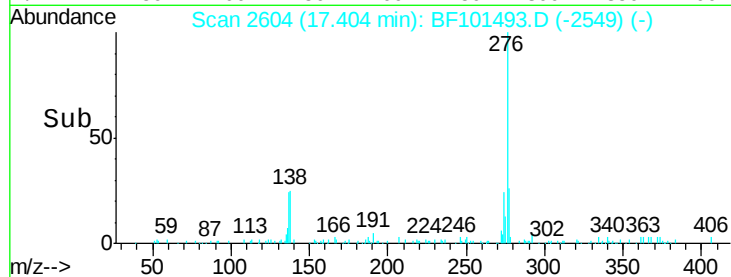
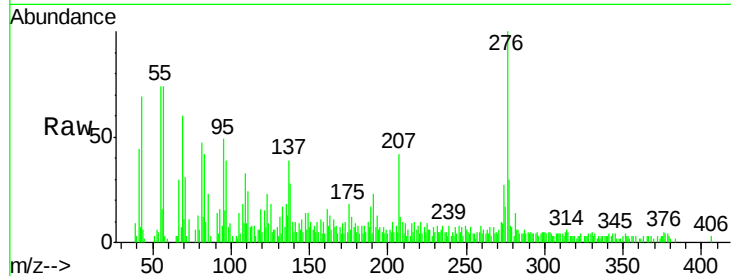
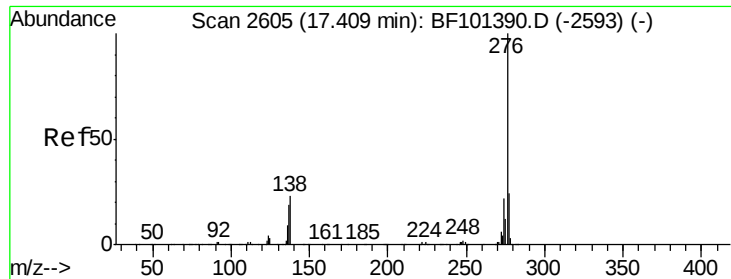
Tot Ion:252 Resp: 85298
Ion Ratio Lower Upper
252 100
253 26.4 17.9 26.9
125 17.0 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 3.58 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF101493.D
Acq: 18 Dec 2017 20:57

Tgt Ion:252 Resp: 46308
Ion Ratio Lower Upper
252 100
253 24.0 17.1 25.7
125 18.0 9.8 14.6#





#91

Benzo(a,h,i)perylene

Concen: 2.46 ng

RT: 17.40 min Scan# 2604

Delta R.T. 0.02 min

Lab File: BF101493.D

Acq: 18 Dec 2017 20:57

Instrument :

BNA_F

ClientSampleId :

PATERSON-02-121517

Tot Ion: 276 Resp: 27016

Ion Ratio Lower Upper

276 100

277 29.6 17.9 26.9#

138 28.4 21.8 32.8

