

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101019\
 Data File : BF117365.D
 Acq On : 10 Oct 2019 17:35
 Operator : JU
 Sample : K5297-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Oct 11 05:26:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:26:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	44947	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	175889	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	93546	20.00	ng	-0.01
64) Phenanthrene-d10	11.32	188	149259	20.00	ng	-0.01
76) Chrysene-d12	13.96	240	88455	20.00	ng	-0.01
87) Perylene-d12	15.42	264	94217	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	264236	91.78	ng	0.00
7) Phenol-d6	6.44	99	364956	98.09	ng	-0.01
23) Nitrobenzene-d5	7.36	82	226256	67.59	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	72436	92.65	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	350003	58.50	ng	-0.01
79) Terphenyl-d14	12.90	244	294830	62.30	ng	-0.01

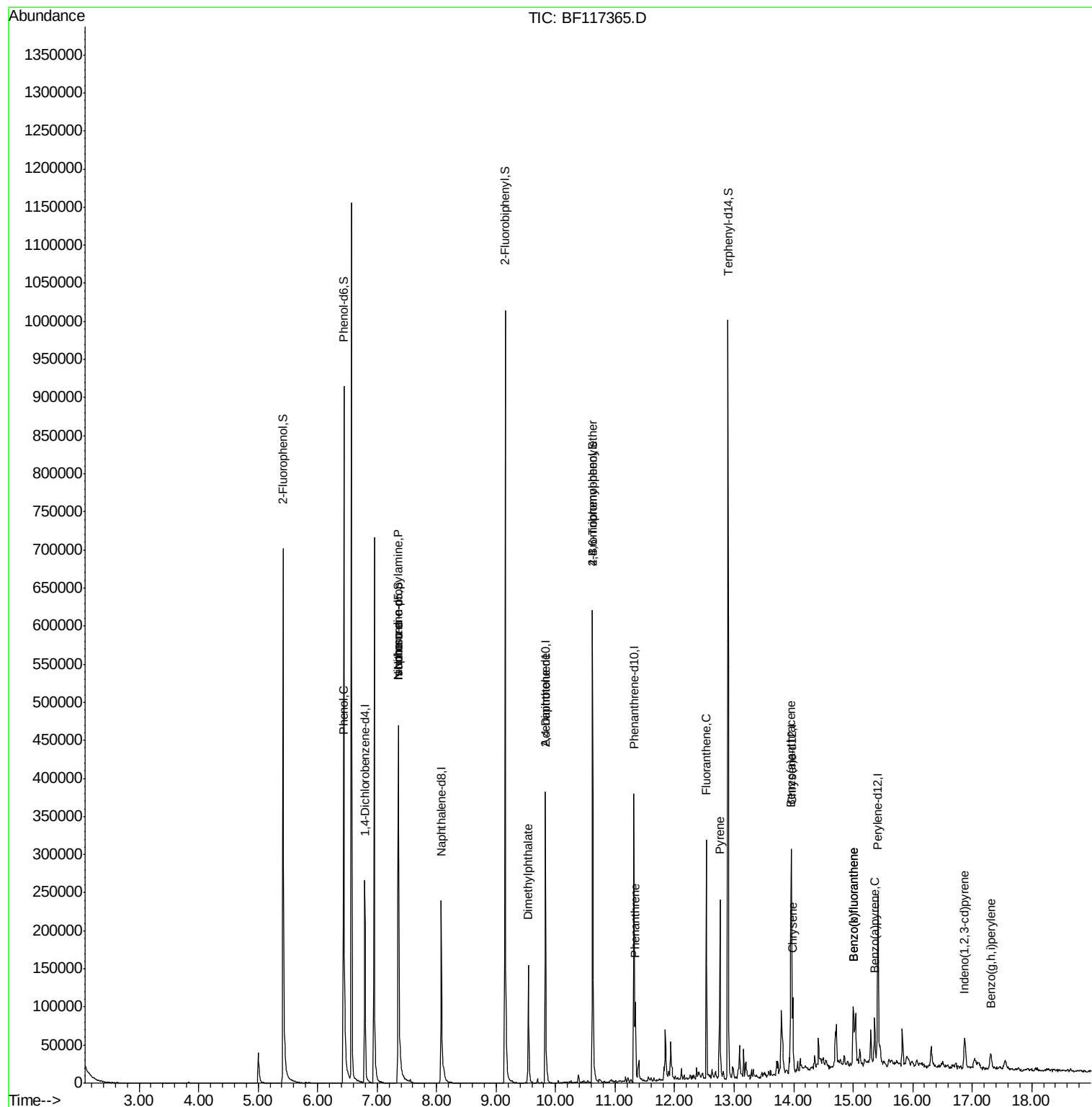
Target Compounds				Qvalue		
9) Benzaldehyde	6.44	77	405	Below Cal	#	1
10) Phenol	6.45	94	10916	2.661 ng		91
19) n-Nitroso-di-n-propylamine	7.36	70	29314	12.939 ng	#	79
25) Isophorone	7.36	82	226255	38.173 ng	#	66
50) Dimethylphthalate	9.55	163	71620	10.813 ng		99
57) 2,4-Dinitrotoluene	9.83	165	11385	6.502 ng	#	18
67) 4-Bromophenyl-phenylether	10.62	248	4500	2.952 ng	#	1
71) Phenanthrene	11.34	178	38854	4.583 ng		99
75) Fluoranthene	12.53	202	123542	14.182 ng		97
78) Pyrene	12.76	202	104159	14.034 ng		98
81) Benzo(a)anthracene	13.95	228	41642	7.046 ng		99
83) Chrysene	13.99	228	37521	6.510 ng		99
86) Indeno(1,2,3-cd)pyrene	16.87	276	21495	5.112 ng		98
88) Benzo(b)fluoranthene	15.00	252	57855	10.137 ng		96
89) Benzo(k)fluoranthene	15.00	252	57855	10.702 ng		96
90) Benzo(a)pyrene	15.36	252	30605	6.111 ng	#	95
92) Benzo(g,h,i)perylene	17.31	276	19183	4.825 ng		95

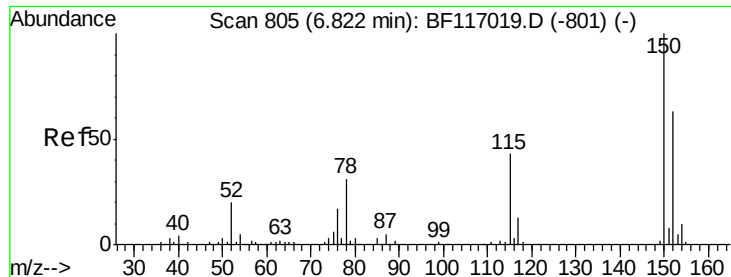
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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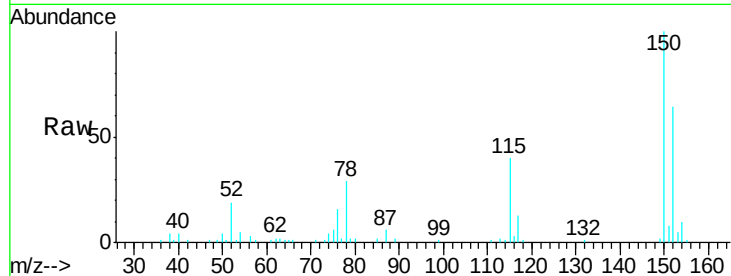




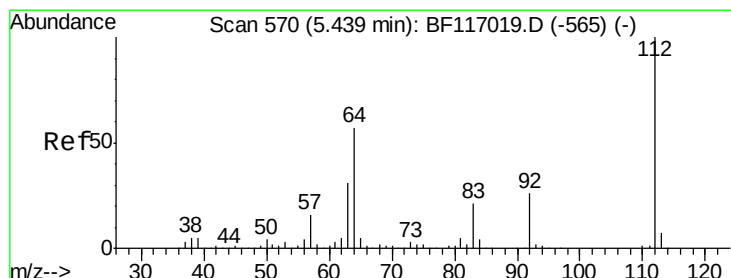
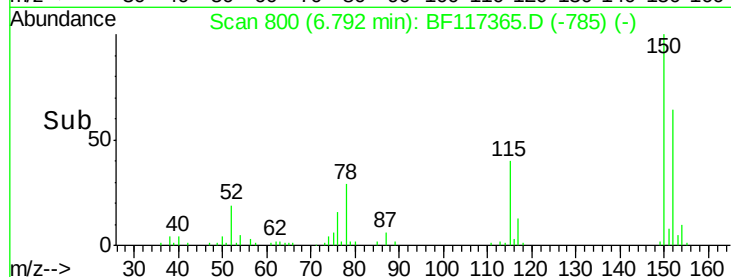
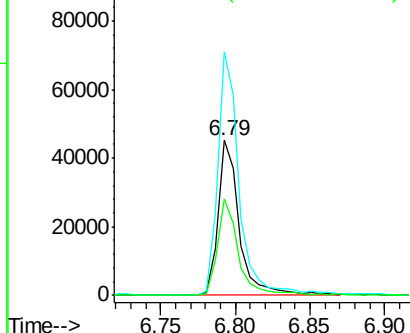
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF117365.D
 Acq: 10 Oct 2019 17:35

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tgt Ion:152 Resp: 44947
 Ion Ratio Lower Upper
 152 100
 150 157.4 127.5 191.3
 115 62.7 55.0 82.4

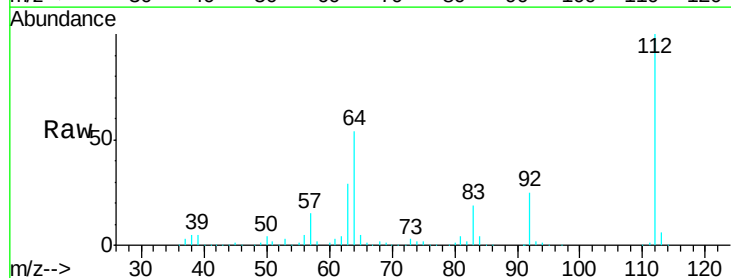


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

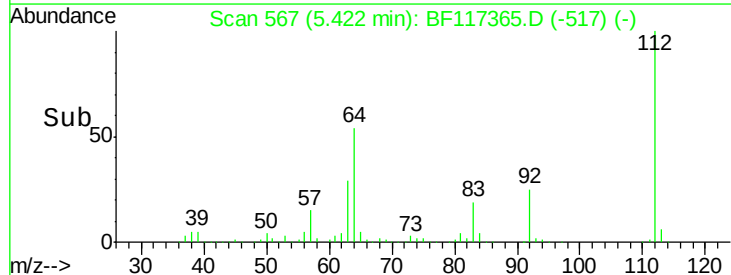
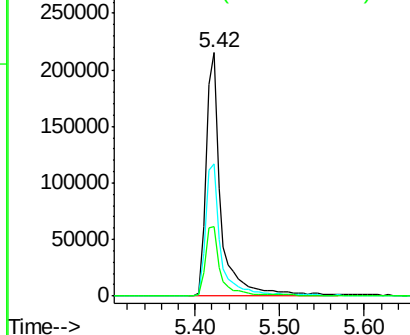


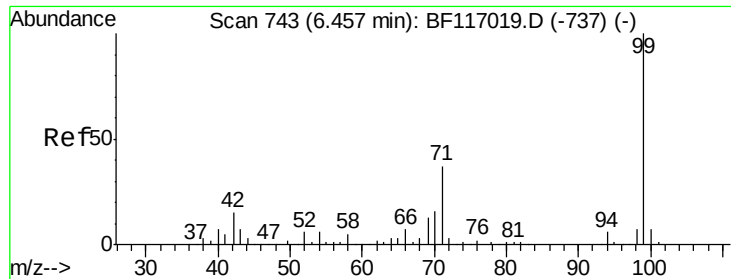
#5
 2-Fluorophenol
 Concen: 91.783 ng
 RT: 5.42 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: BF117365.D
 Acq: 10 Oct 2019 17:35

Tgt Ion:112 Resp: 264236
 Ion Ratio Lower Upper
 112 100
 64 54.2 45.7 68.5
 63 28.5 24.9 37.3



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: 98.091 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF117365.D

Acq: 10 Oct 2019 17:35

Instrument :

BNA_F

ClientSampleId :

TP-3

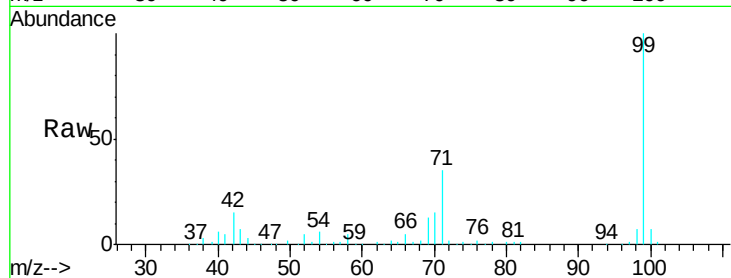
Tgt Ion: 99 Resp: 364956

Ion Ratio Lower Upper

99 100

42 14.8 12.2 18.2

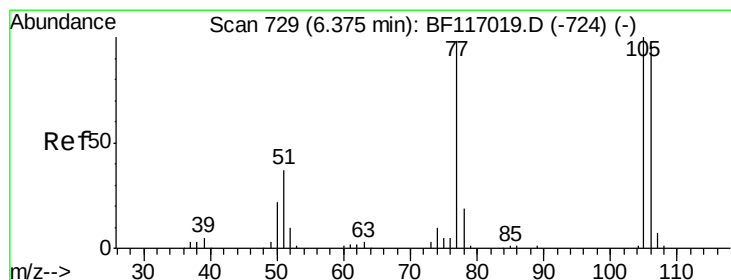
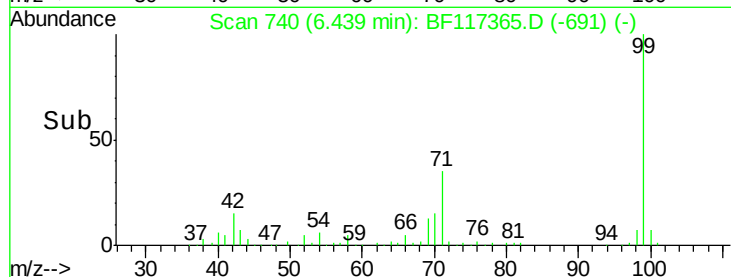
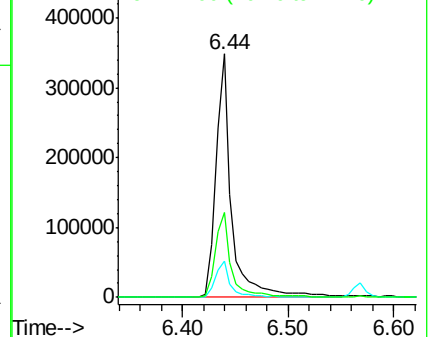
71 34.8 29.8 44.8



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: Below Cal

RT: 6.44 min Scan# 740

Delta R.T. 0.08 min

Lab File: BF117365.D

Acq: 10 Oct 2019 17:35

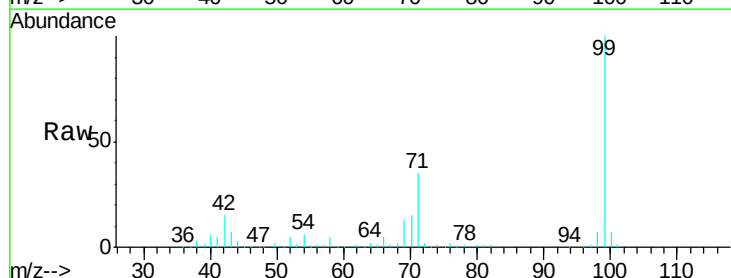
Tgt Ion: 77 Resp: 405

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

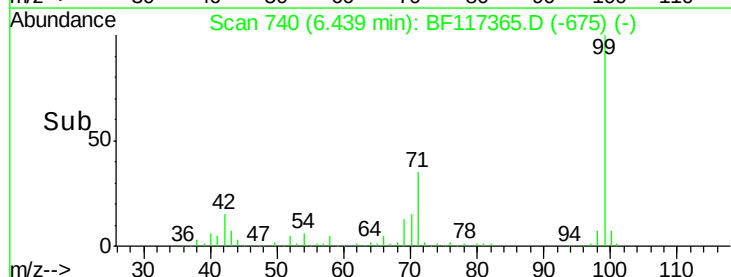
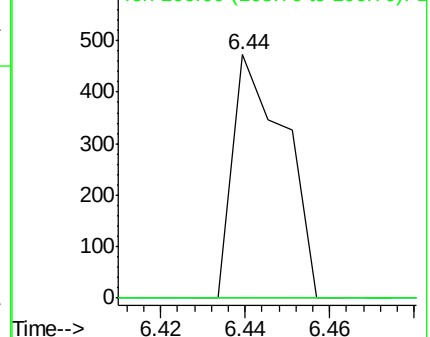
106 0.0 77.3 117.3#

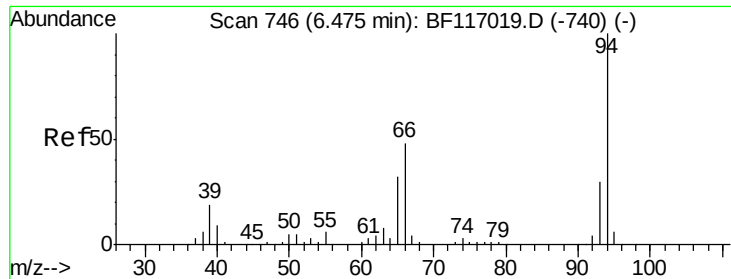


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

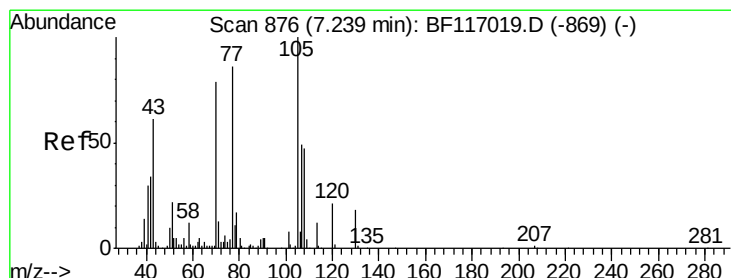
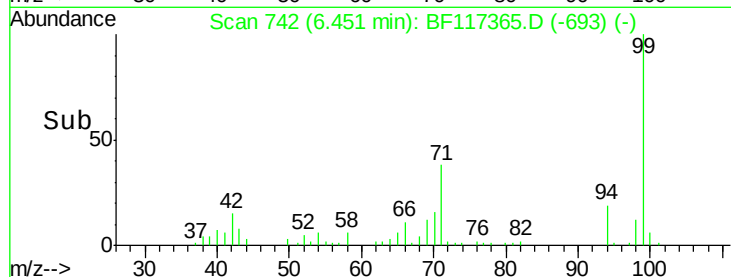
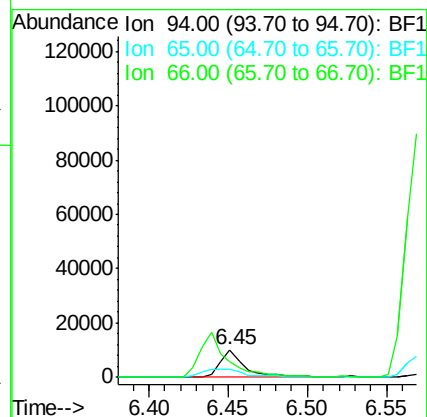
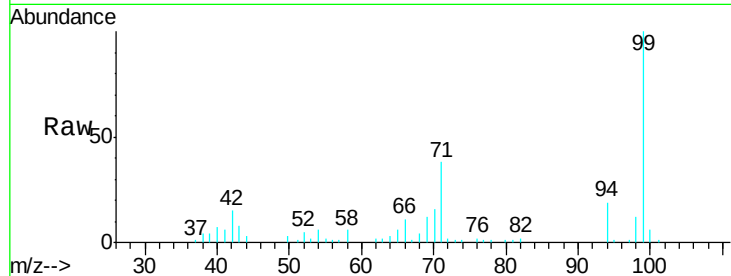




#10
Phenol
Concen: 2.661 ng
RT: 6.45 min Scan# 742
Delta R.T. -0.01 min
Lab File: BF117365.D
Acq: 10 Oct 2019 17:35

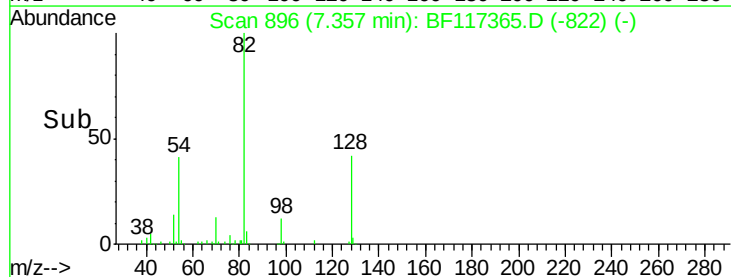
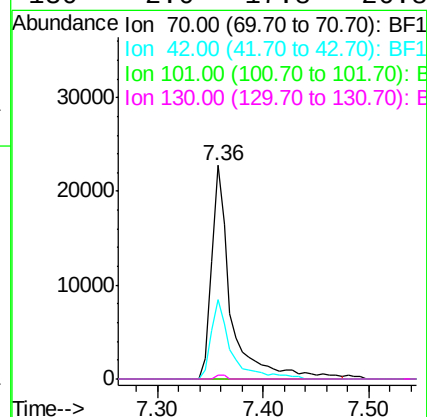
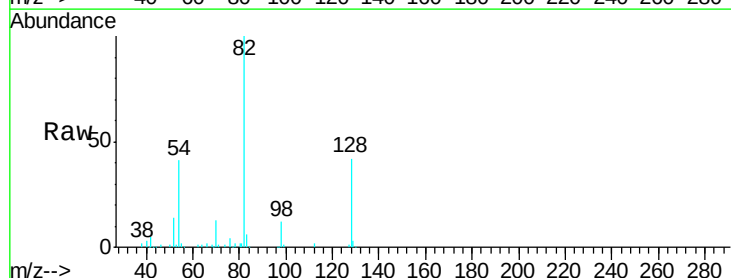
Instrument :
BNA_F
ClientSampleId :
TP-3

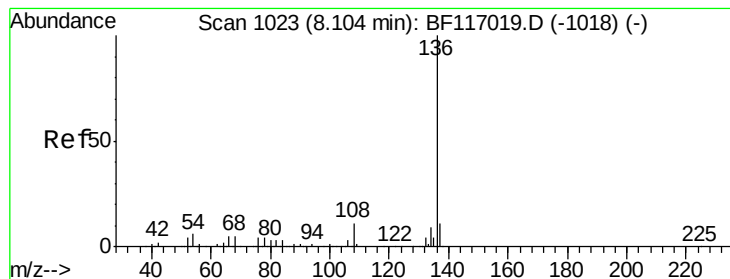
Tgt Ion: 94 Resp: 10916
Ion Ratio Lower Upper
94 100
65 30.4 12.5 52.5
66 57.4 28.9 68.9



#19
n-Nitroso-di-n-propylamine
Concen: 12.939 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.14 min
Lab File: BF117365.D
Acq: 10 Oct 2019 17:35

Tgt Ion: 70 Resp: 29314
Ion Ratio Lower Upper
70 100
42 37.0 34.0 51.0
101 0.0 7.8 11.6#
130 2.0 17.8 26.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF117365.D

Acq: 10 Oct 2019 17:35

Instrument :

BNA_F

ClientSampleId :

TP-3

Tgt Ion: 136 Resp: 175889

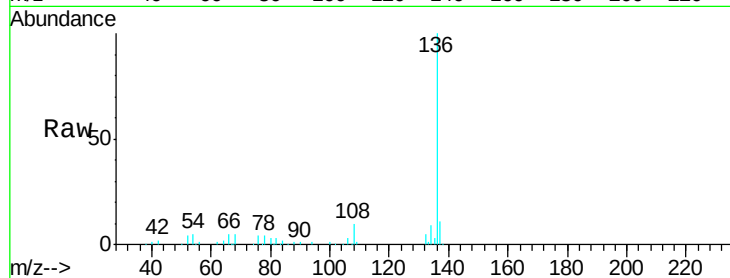
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.4

54 5.3 4.5 6.7

68 5.0 4.0 6.0

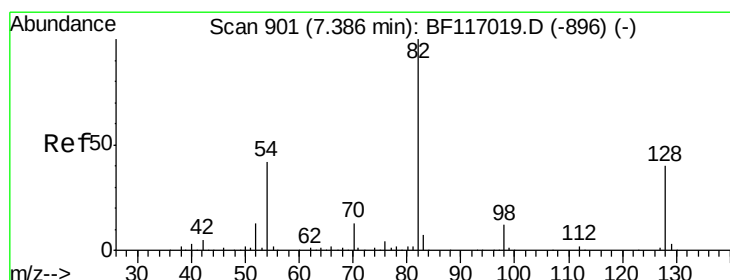
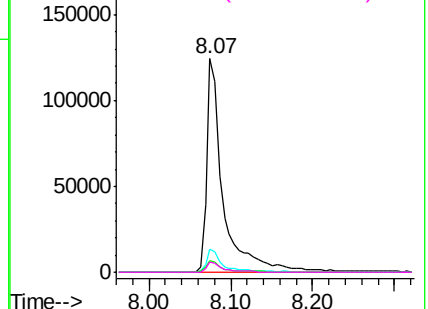
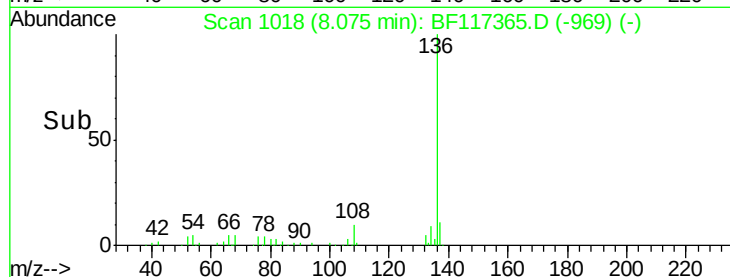


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.588 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF117365.D

Acq: 10 Oct 2019 17:35

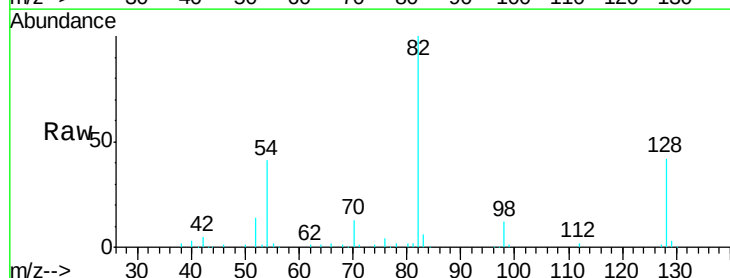
Tgt Ion: 82 Resp: 226256

Ion Ratio Lower Upper

82 100

128 42.4 32.3 48.5

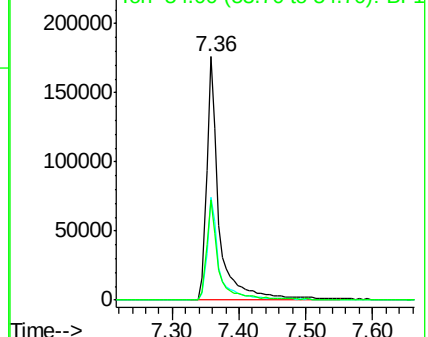
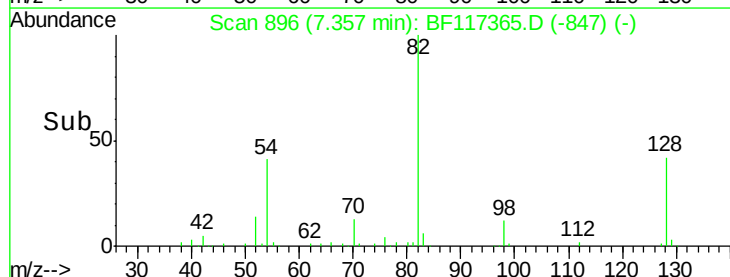
54 41.2 33.3 49.9

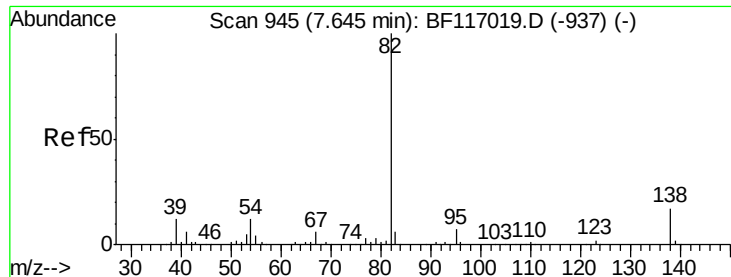


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.173 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.27 min

Lab File: BF117365.D

Acq: 10 Oct 2019 17:35

Instrument :

BNA_F

ClientSampled :

TP-3

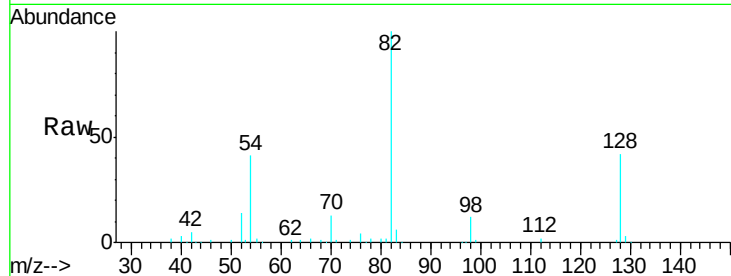
Tgt Ion: 82 Resp: 226255

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

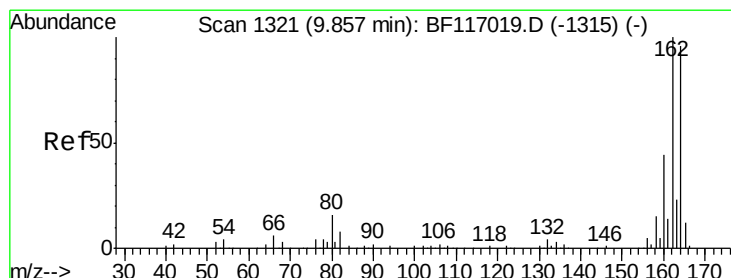
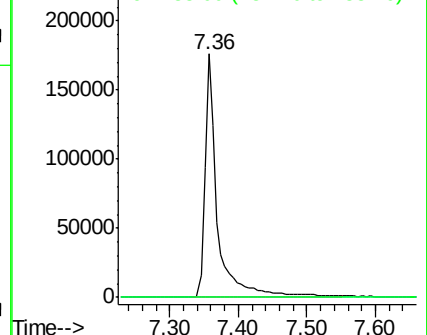
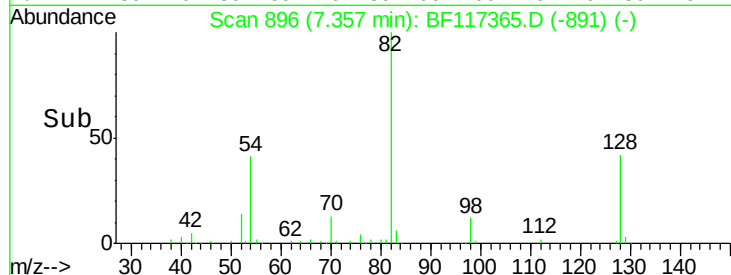
138 0.0 13.5 20.3#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF117365.D

Acq: 10 Oct 2019 17:35

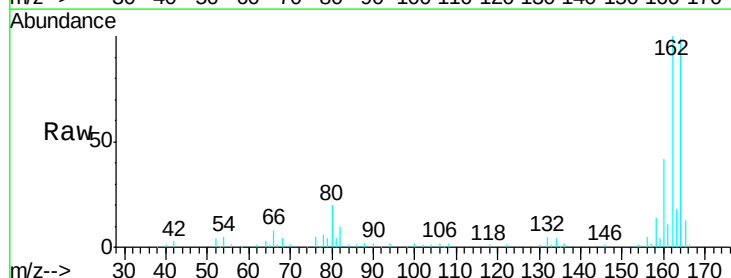
Tgt Ion: 164 Resp: 93546

Ion Ratio Lower Upper

164 100

162 100.9 83.4 125.2

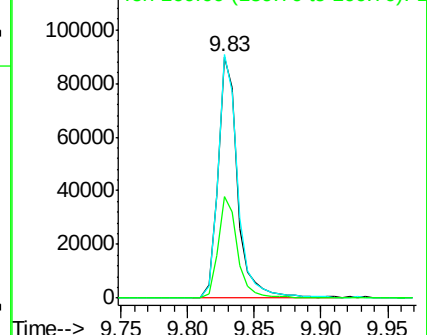
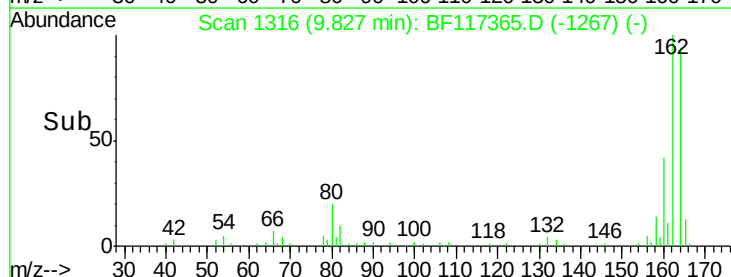
160 41.9 36.4 54.6

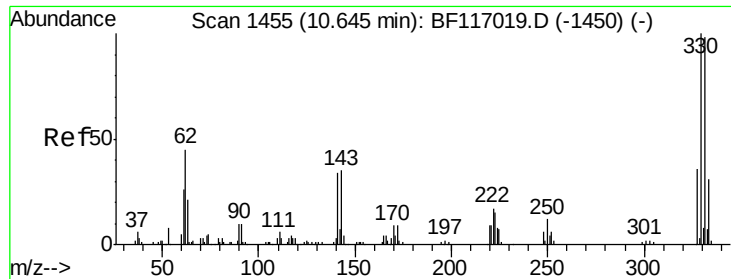


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 92.649 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF117365.D

Acq: 10 Oct 2019 17:35

Instrument :

BNA_F

ClientSampled :

TP-3

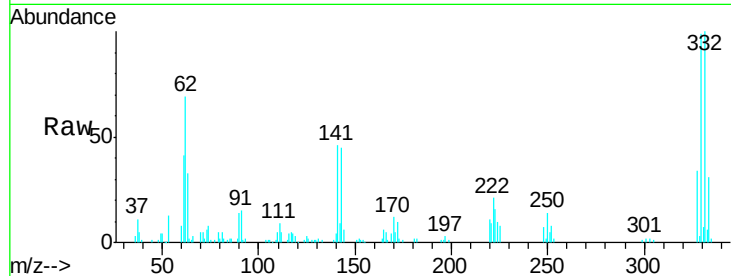
Tgt Ion:330 Resp: 72436

Ion Ratio Lower Upper

330 100

332 96.4 78.0 117.0

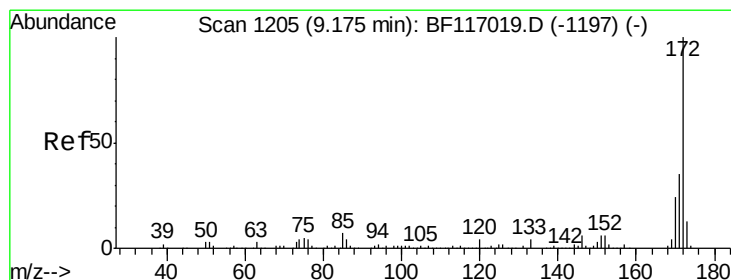
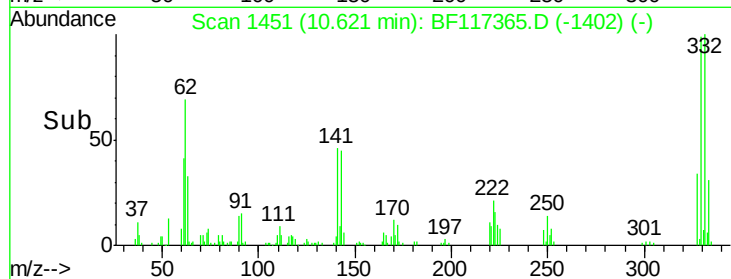
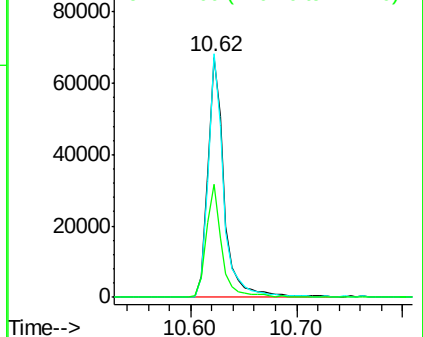
141 44.5 35.8 53.6



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



#45

2-Fluorobiphenyl

Concen: 58.501 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF117365.D

Acq: 10 Oct 2019 17:35

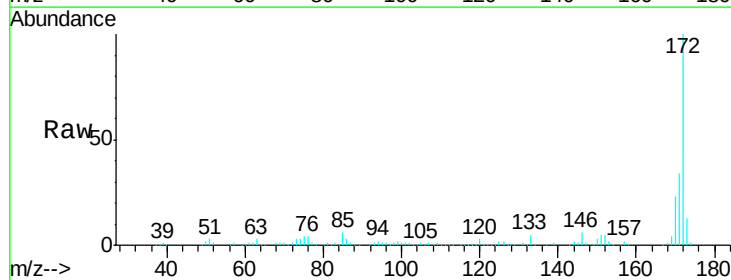
Tgt Ion:172 Resp: 350003

Ion Ratio Lower Upper

172 100

171 34.3 28.2 42.2

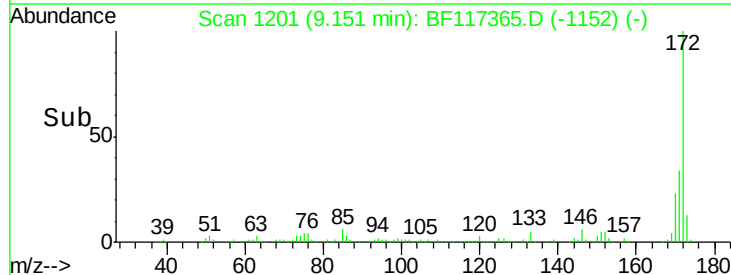
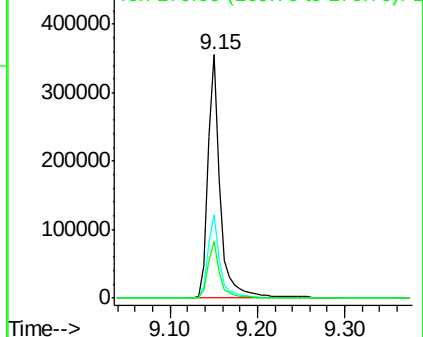
170 23.1 18.9 28.3

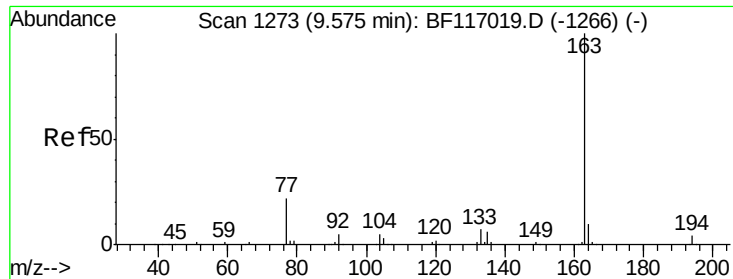


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

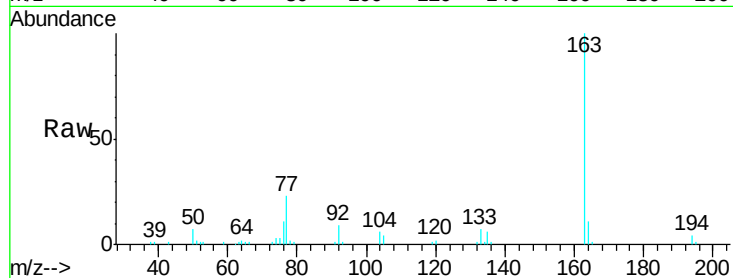




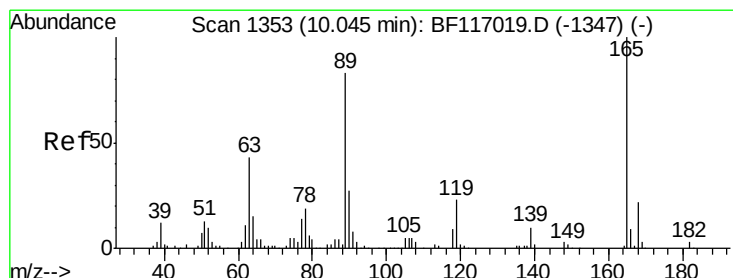
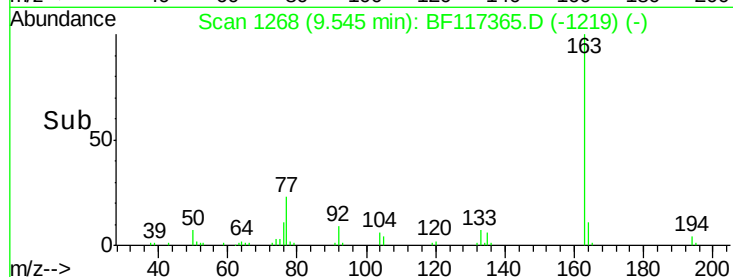
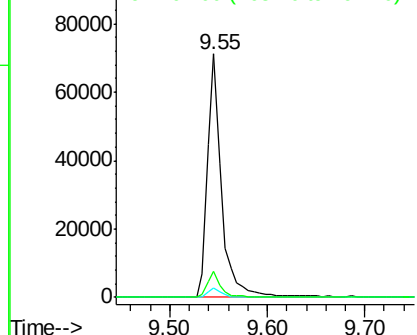
#50
Dimethylphthalate
Concen: 10.813 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF117365.D
Acq: 10 Oct 2019 17:35

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:163 Resp: 71620
Ion Ratio Lower Upper
163 100
194 3.9 2.9 4.3
164 10.5 8.2 12.4

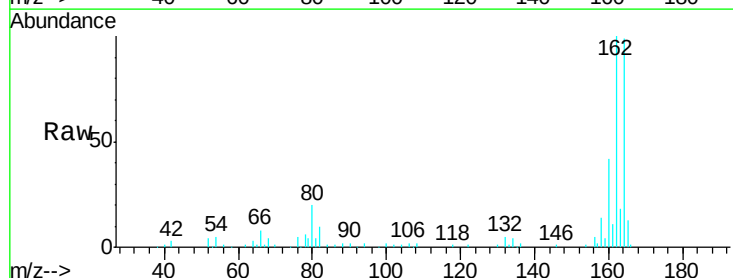


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

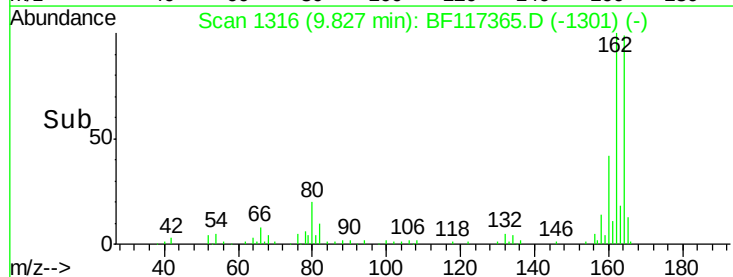
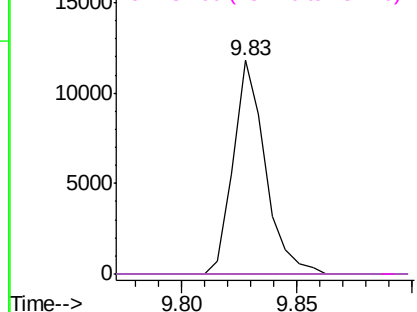


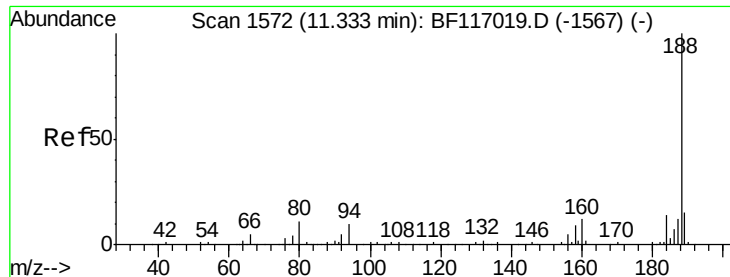
#57
2,4-Dinitrotoluene
Concen: 6.502 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.21 min
Lab File: BF117365.D
Acq: 10 Oct 2019 17:35

Tgt Ion:165 Resp: 11385
Ion Ratio Lower Upper
165 100
63 0.0 35.0 52.4#
89 0.0 66.1 99.1#
182 0.0 2.0 3.0#



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
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF117365.D

Acq: 10 Oct 2019 17:35

Instrument :

BNA_F

ClientSampleId :

TP-3

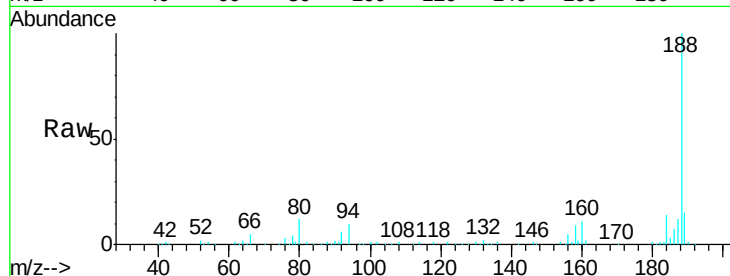
Tgt Ion:188 Resp: 149259

Ion Ratio Lower Upper

188 100

94 9.6 8.2 12.2

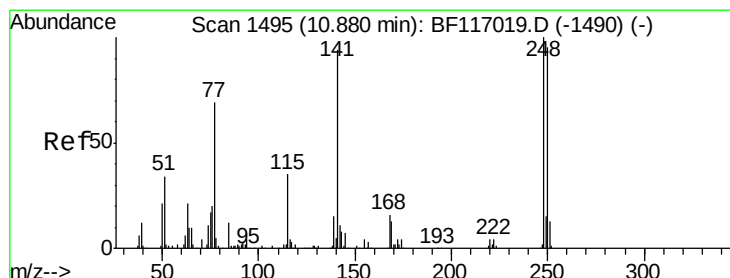
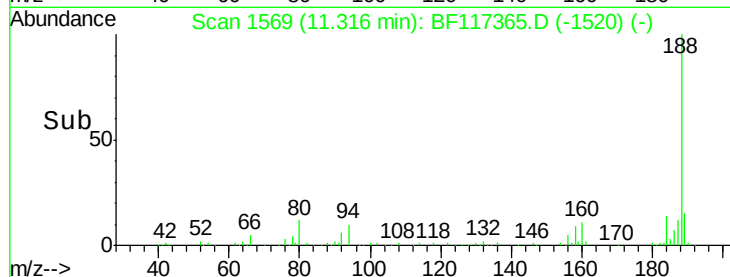
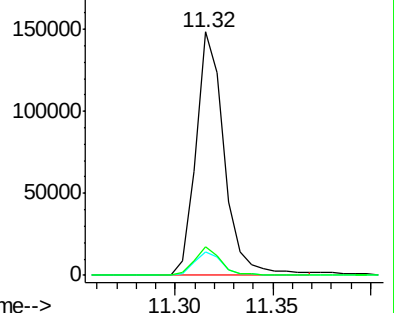
80 11.8 9.0 13.6



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



#67

4-Bromophenyl-phenylether

Concen: 2.952 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.25 min

Lab File: BF117365.D

Acq: 10 Oct 2019 17:35

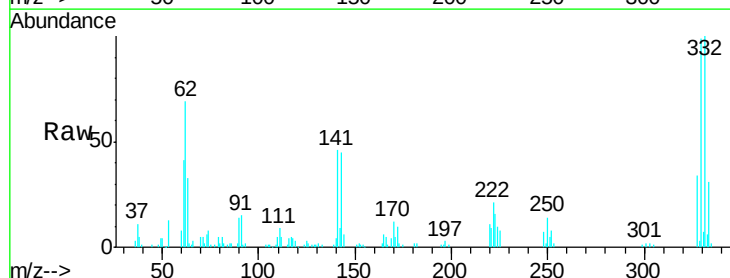
Tgt Ion:248 Resp: 4500

Ion Ratio Lower Upper

248 100

250 209.3 76.2 114.4#

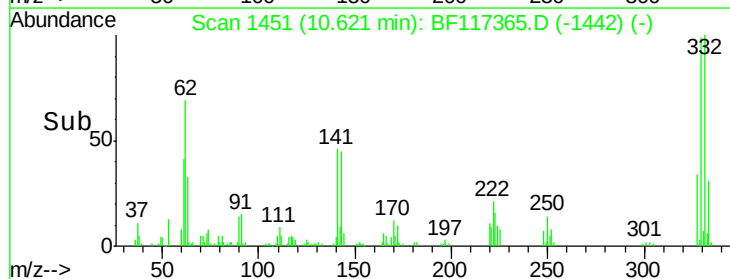
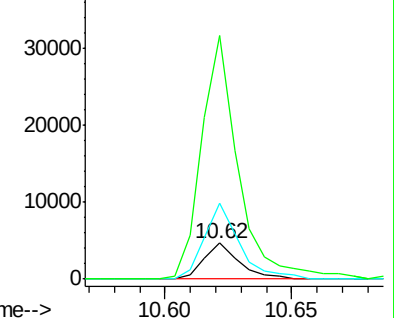
141 675.5 75.0 112.4#

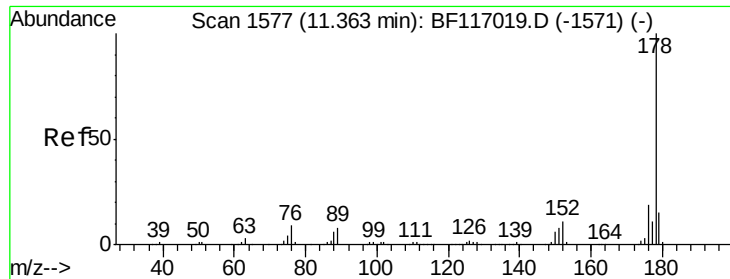


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

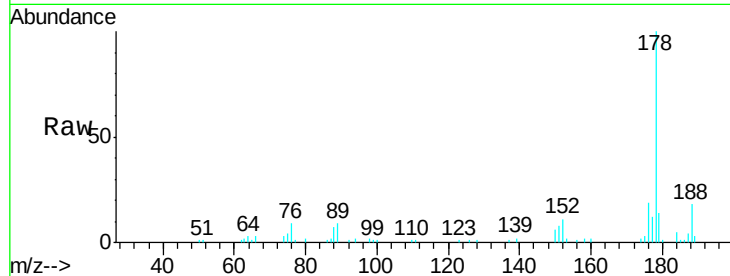




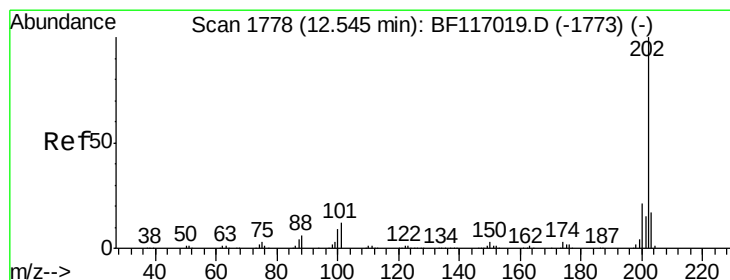
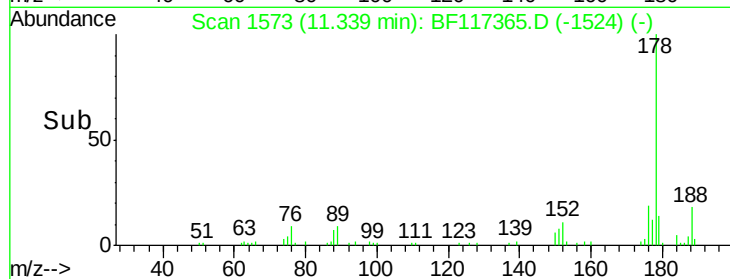
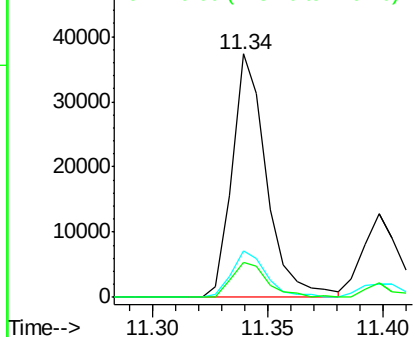
#71
 Phenanthrene
 Concen: 4.583 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF117365.D
 Acq: 10 Oct 2019 17:35

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tgt Ion:178 Resp: 38854
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.2
 179 14.3 12.4 18.6

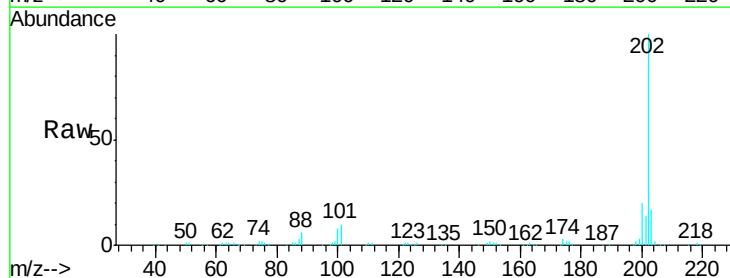


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

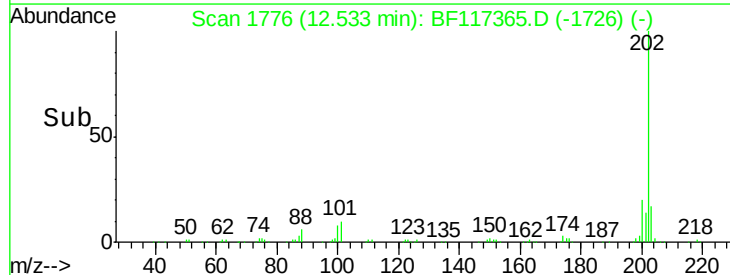
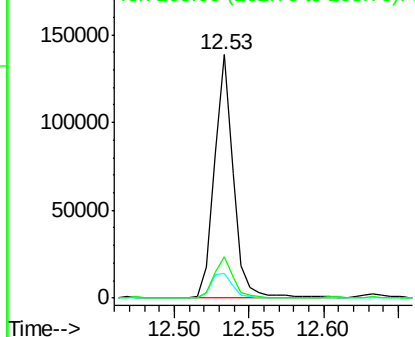


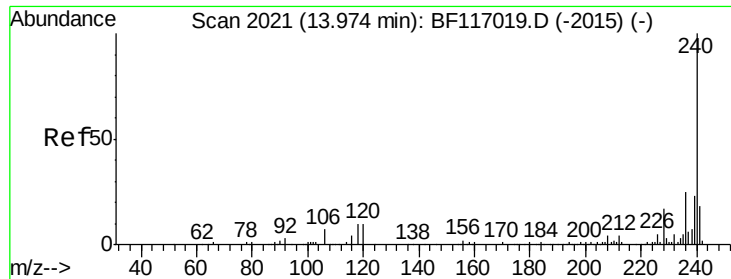
#75
 Fluoranthene
 Concen: 14.182 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. -0.01 min
 Lab File: BF117365.D
 Acq: 10 Oct 2019 17:35

Tgt Ion:202 Resp: 123542
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 32.3
 203 16.9 0.0 37.1



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

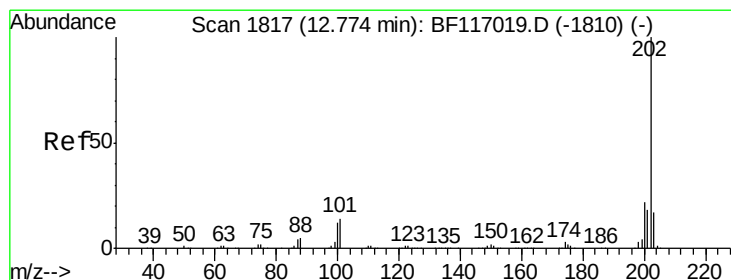
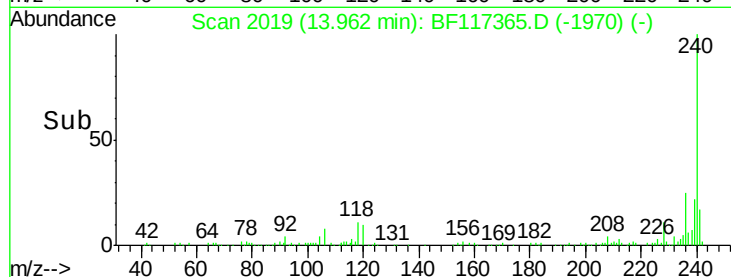
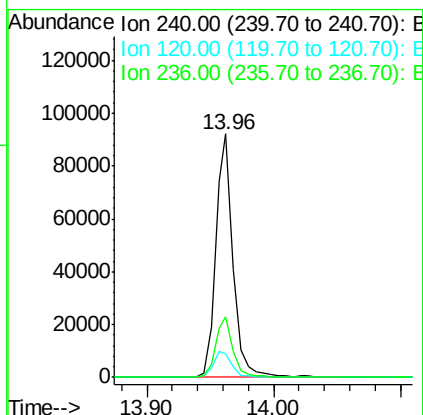
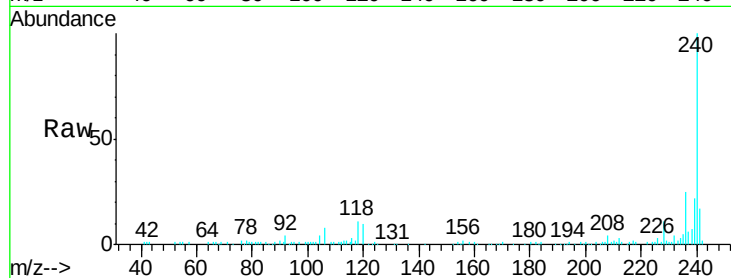




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF117365.D
 Acq: 10 Oct 2019 17:35

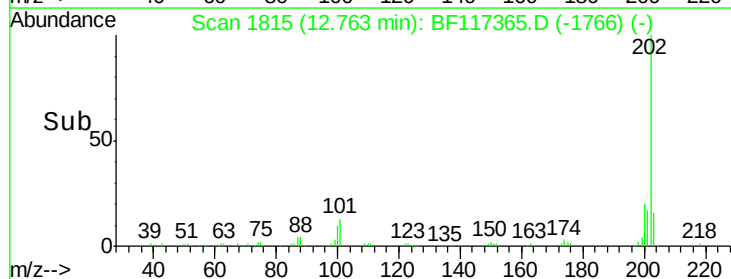
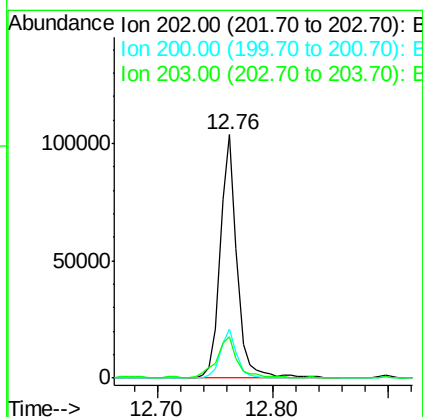
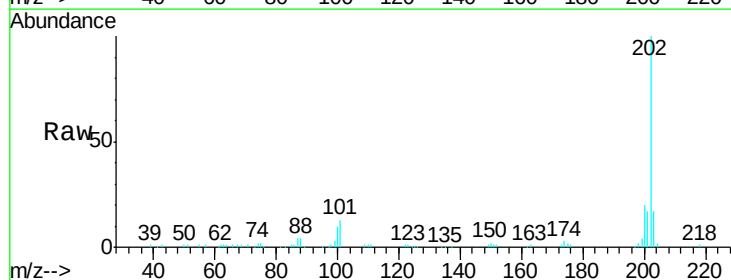
Instrument :
 BNA_F
 ClientSampleId :
 TP-3

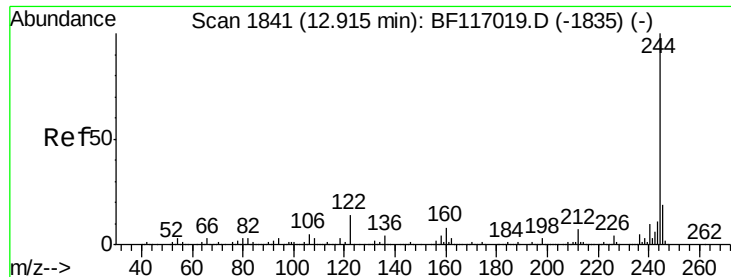
Tgt Ion: 240 Resp: 88455
 Ion Ratio Lower Upper
 240 100
 120 9.7 8.3 12.5
 236 24.7 20.3 30.5



#78
 Pyrene
 Concen: 14.034 ng
 RT: 12.76 min Scan# 1815
 Delta R.T. -0.01 min
 Lab File: BF117365.D
 Acq: 10 Oct 2019 17:35

Tgt Ion: 202 Resp: 104159
 Ion Ratio Lower Upper
 202 100
 200 20.1 17.2 25.8
 203 16.9 14.0 21.0





#79

Terphenyl-d14

Concen: 62.303 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF117365.D

Acq: 10 Oct 2019 17:35

Instrument :

BNA_F

ClientSampleId :

TP-3

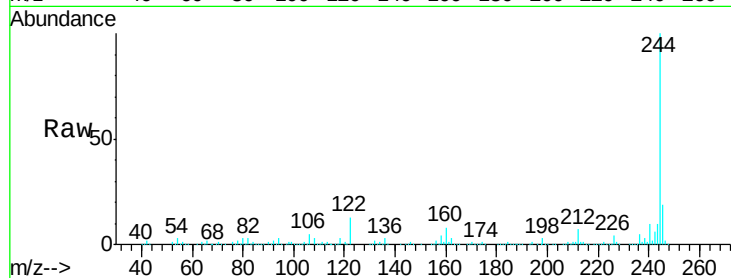
Tgt Ion:244 Resp: 294830

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

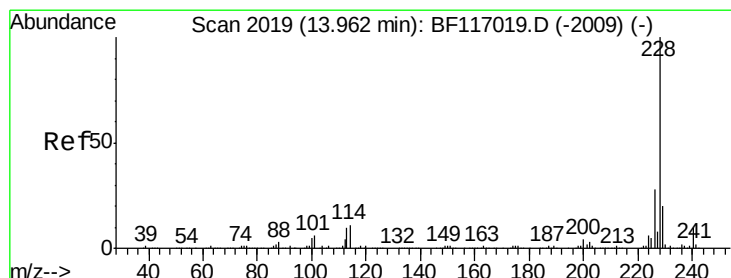
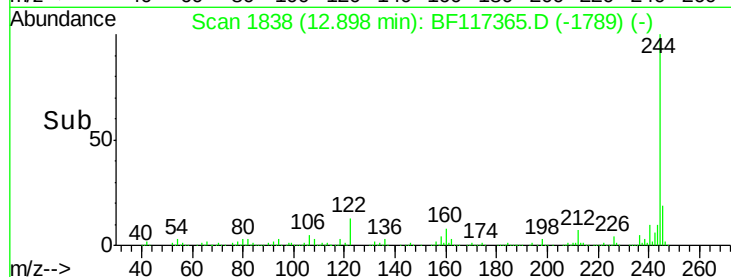
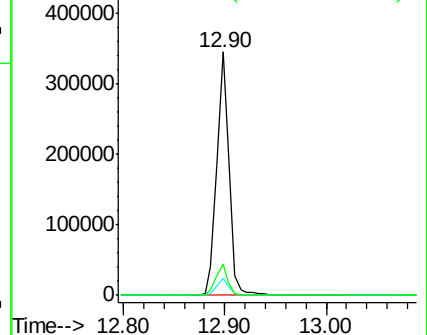
122 13.0 11.3 16.9



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



#81

Benzo(a)anthracene

Concen: 7.046 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF117365.D

Acq: 10 Oct 2019 17:35

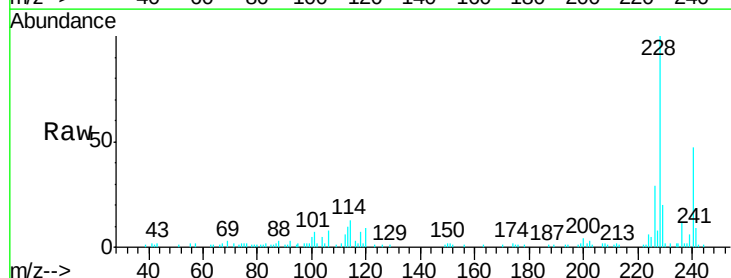
Tgt Ion:228 Resp: 41642

Ion Ratio Lower Upper

228 100

226 28.7 22.3 33.5

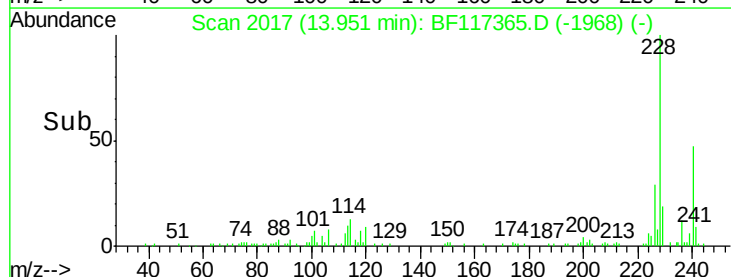
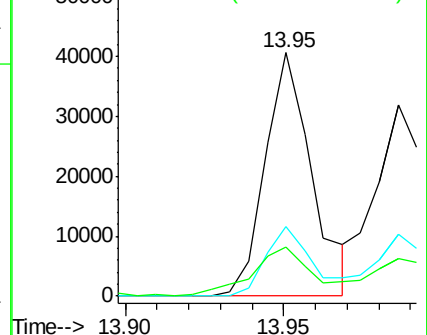
229 20.4 15.9 23.9

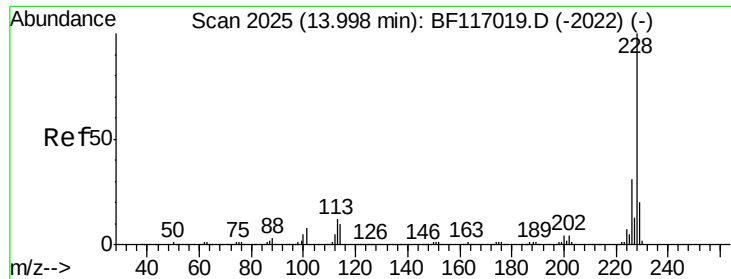


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 6.510 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF117365.D

Acq: 10 Oct 2019 17:35

Instrument :

BNA_F

ClientSampleId :

TP-3

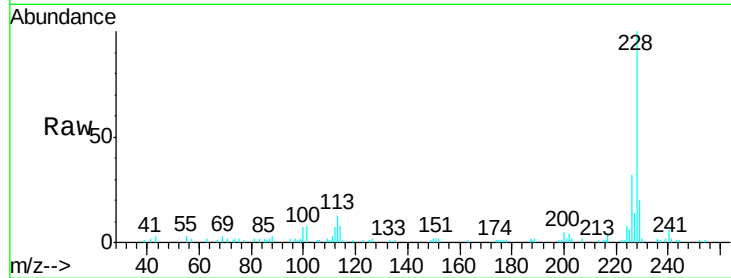
Tgt Ion:228 Resp: 37521

Ion Ratio Lower Upper

228 100

226 32.3 24.8 37.2

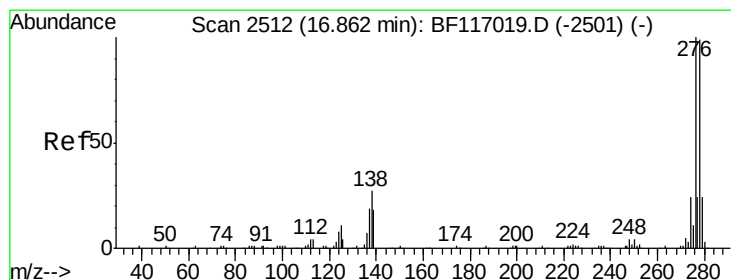
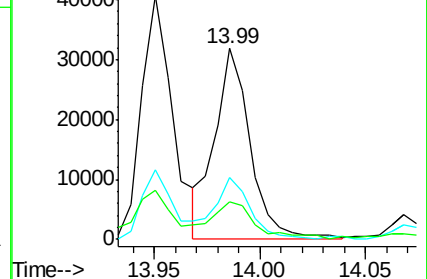
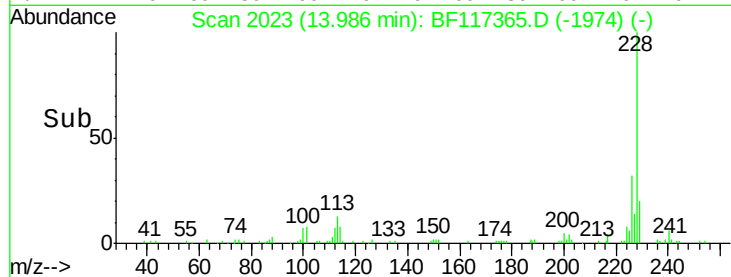
229 19.9 15.8 23.8



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 5.112 ng

RT: 16.87 min Scan# 2514

Delta R.T. -0.01 min

Lab File: BF117365.D

Acq: 10 Oct 2019 17:35

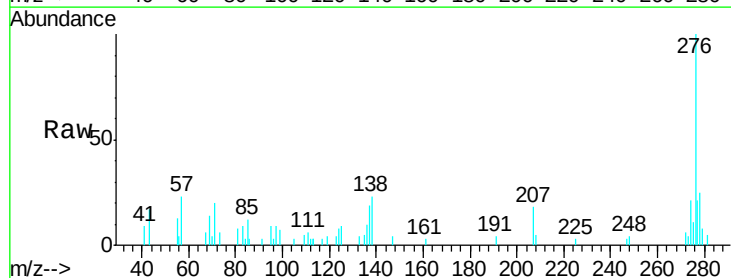
Tgt Ion:276 Resp: 21495

Ion Ratio Lower Upper

276 100

138 26.5 20.7 31.1

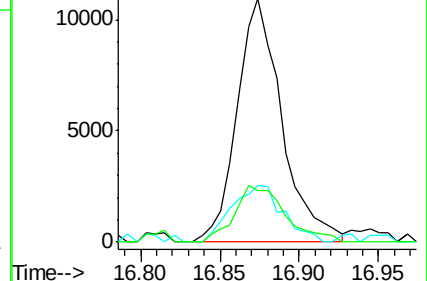
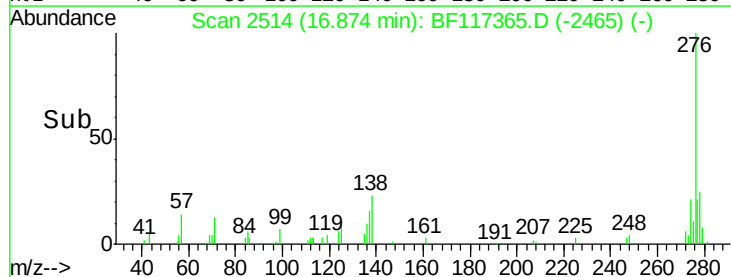
277 26.4 19.8 29.8

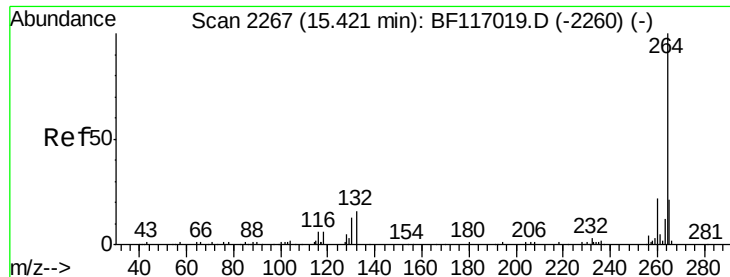


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

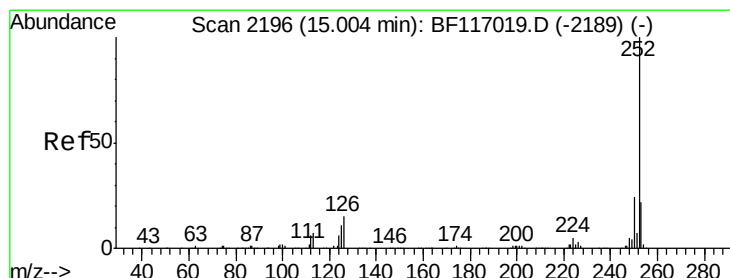
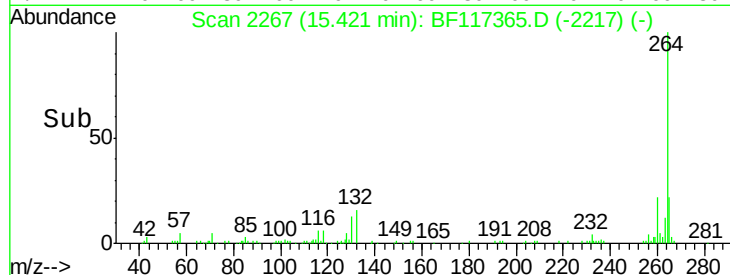
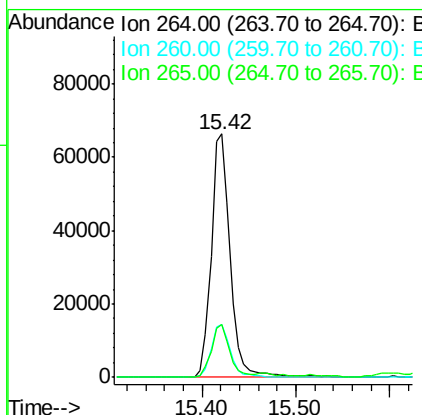
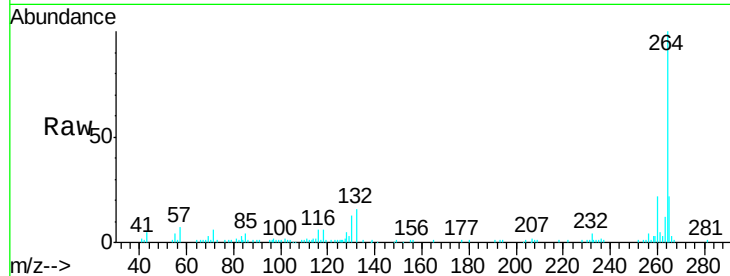




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF117365.D
Acq: 10 Oct 2019 17:35

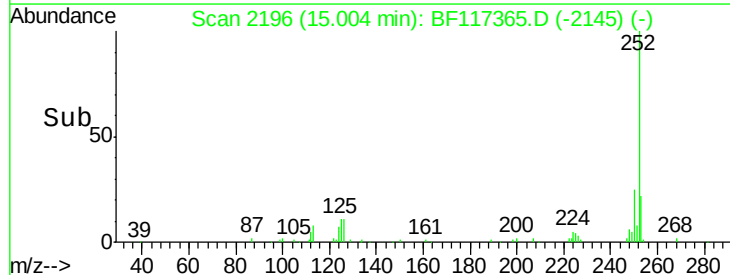
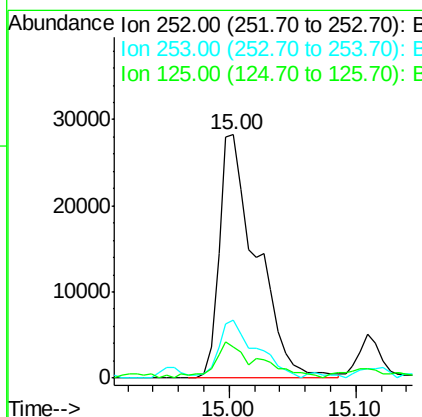
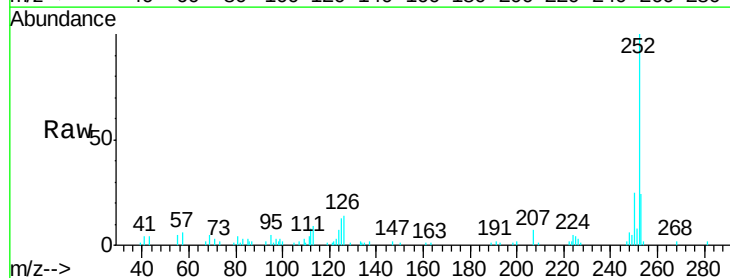
Instrument :
BNA_F
ClientSampleId :
TP-3

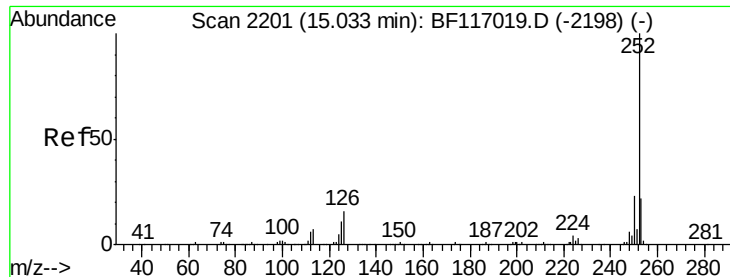
Tgt Ion: 264 Resp: 94217
Ion Ratio Lower Upper
264 100
260 22.0 17.6 26.4
265 21.7 16.6 24.8



#88
Benzo(b)fluoranthene
Concen: 10.137 ng
RT: 15.00 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BF117365.D
Acq: 10 Oct 2019 17:35

Tgt Ion: 252 Resp: 57855
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 12.6 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 10.702 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.03 min

Lab File: BF117365.D

Acq: 10 Oct 2019 17:35

Instrument :

BNA_F

ClientSampleId :

TP-3

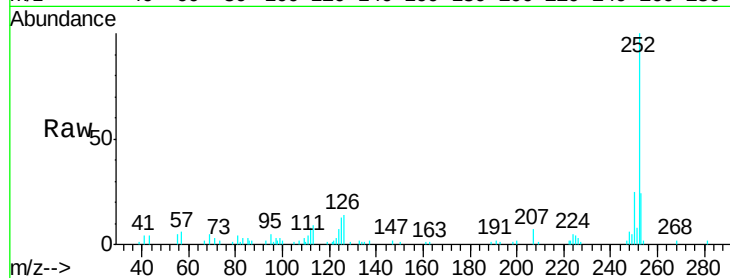
Tgt Ion:252 Resp: 57855

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.2

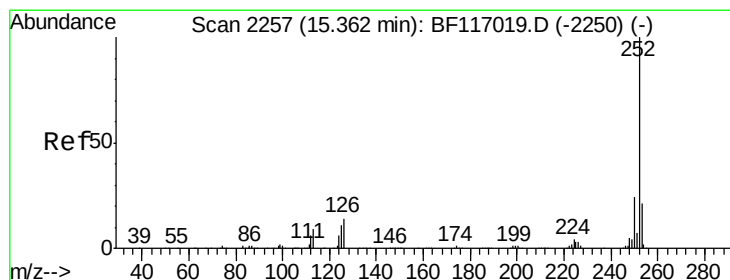
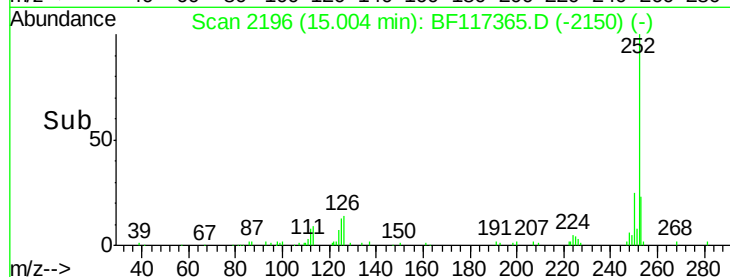
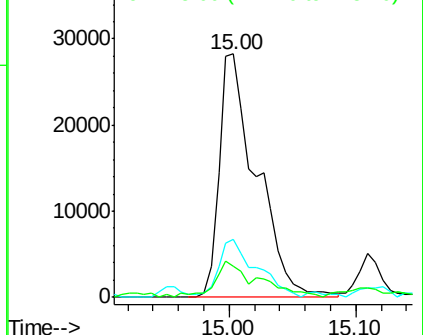
125 12.6 8.8 13.2



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



#90

Benzo(a)pyrene

Concen: 6.111 ng

RT: 15.36 min Scan# 2257

Delta R.T. -0.01 min

Lab File: BF117365.D

Acq: 10 Oct 2019 17:35

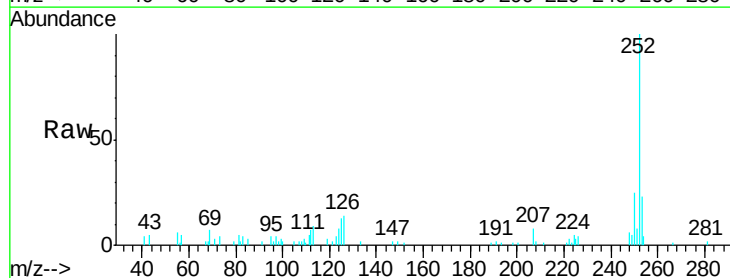
Tgt Ion:252 Resp: 30605

Ion Ratio Lower Upper

252 100

253 23.2 16.6 25.0

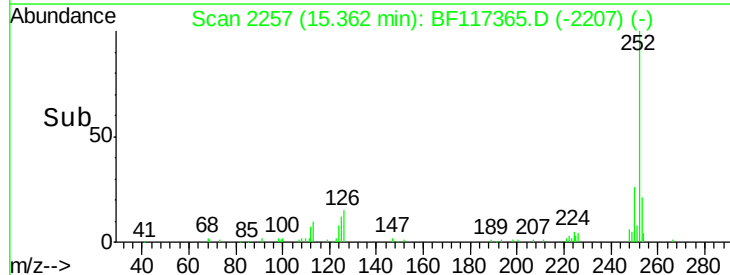
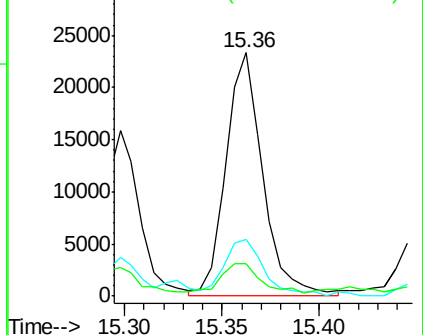
125 13.4 8.9 13.3#

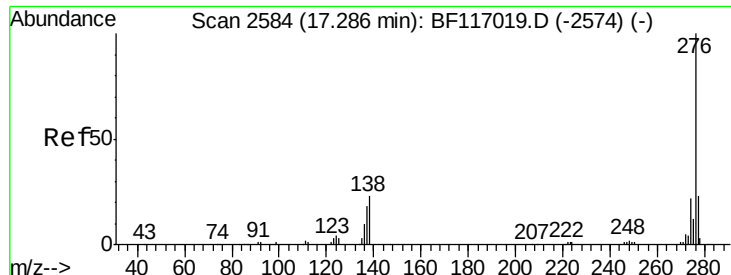


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(g,h,i)perylene

Concen: 4.825 ng

RT: 17.31 min Scan# 2588

Delta R.T. -0.01 min

Lab File: BF117365.D

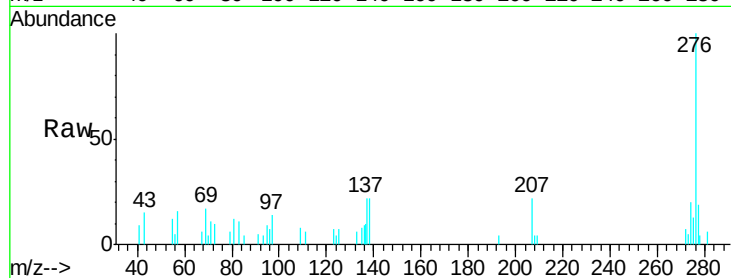
Acq: 10 Oct 2019 17:35

Instrument :

BNA_F

ClientSampleId :

TP-3



Tgt Ion:	276	Resp:	19183
Ion	Ratio	Lower	Upper
276	100		
277	19.2	18.6	27.8
138	22.2	18.0	27.0

