

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100319\
 Data File : BF117329.D
 Acq On : 3 Oct 2019 21:06
 Operator : JU
 Sample : K5143-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-100219

Quant Time: Oct 04 03:20:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	53309	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	209020	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	97282	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	122347	20.00	ng	0.00
76) Chrysene-d12	13.97	240	79754	20.00	ng	0.00
87) Perylene-d12	15.42	264	93960	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	320651	93.91	ng	0.00
7) Phenol-d6	6.45	99	457277	103.63	ng	0.00
23) Nitrobenzene-d5	7.37	82	293496	73.78	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	67423	82.93	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	492029	79.08	ng	-0.01
79) Terphenyl-d14	12.90	244	261931	61.39	ng	-0.01

Target Compounds

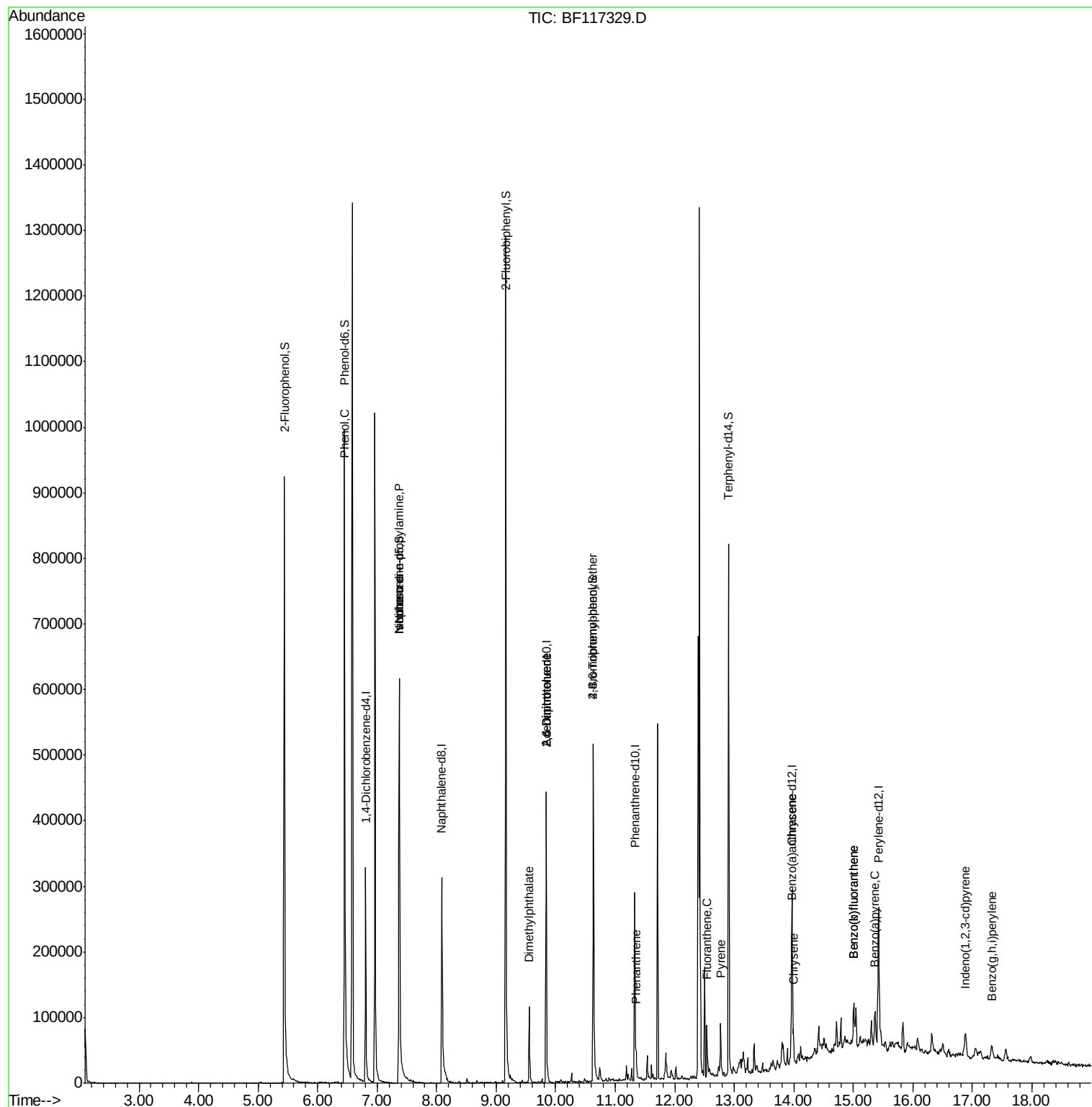
						Qvalue
9) Benzaldehyde	6.45	77	532	Below Cal	#	1
10) Phenol	6.46	94	12929	2.658 ng	#	78
19) n-Nitroso-di-n-propylamine	7.37	70	37909	14.108 ng	#	79
25) Isophorone	7.37	82	293494	41.668 ng	#	66
50) Dimethylphthalate	9.55	163	55024	7.988 ng	#	98
51) 2,6-Dinitrotoluene	9.84	165	12153	8.663 ng	#	24
57) 2,4-Dinitrotoluene	9.84	165	12153	6.674 ng	#	18
67) 4-Bromophenyl-phenylether	10.63	248	4611	3.690 ng	#	1
71) Phenanthrene	11.35	178	13989	2.013 ng		95
75) Fluoranthene	12.54	202	33041	4.627 ng		97
78) Pyrene	12.77	202	34860	5.209 ng		98
81) Benzo(a)anthracene	13.96	228	19216	3.606 ng	#	95
83) Chrysene	13.99	228	20374	3.920 ng	#	93
86) Indeno(1,2,3-cd)pyrene	16.88	276	16504	4.353 ng		96
88) Benzo(b)fluoranthene	15.00	252	43175	7.586 ng	#	96
89) Benzo(k)fluoranthene	15.00	252	43175	8.008 ng	#	96
90) Benzo(a)pyrene	15.36	252	25119	5.029 ng	#	96
92) Benzo(g,h,i)perylene	17.32	276	17316	4.368 ng		96

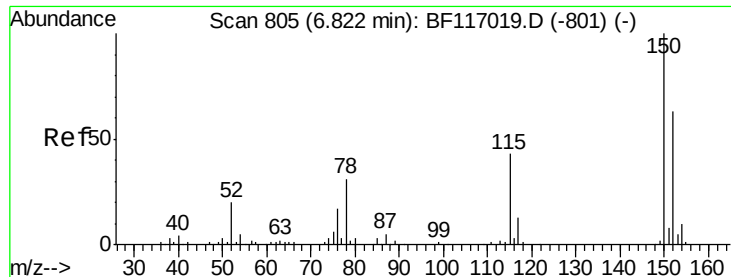
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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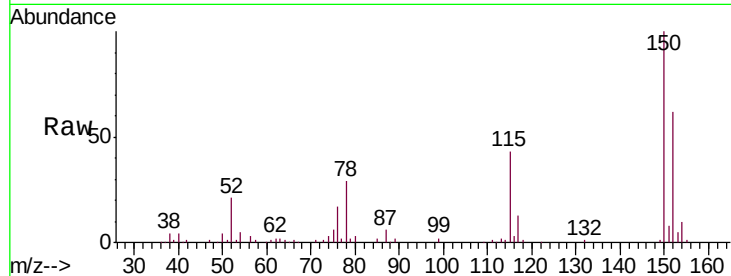




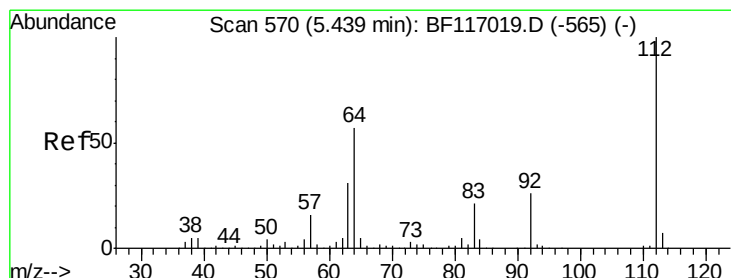
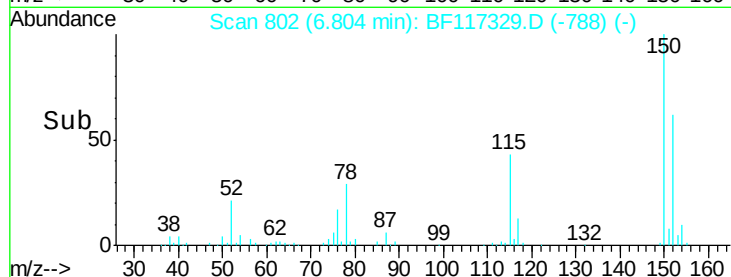
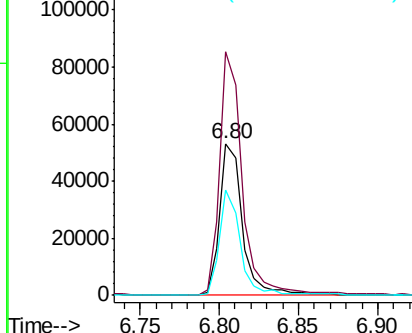
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.02 min
 Lab File: BF117329.D
 Acq: 3 Oct 2019 21:06

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-100219

Tgt Ion:152 Resp: 53309
 Ion Ratio Lower Upper
 152 100
 150 160.1 127.5 191.3
 115 69.1 55.0 82.4

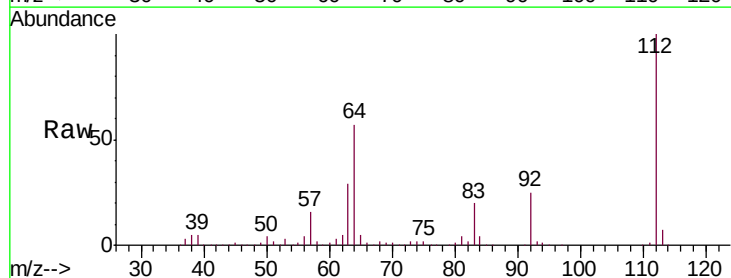


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

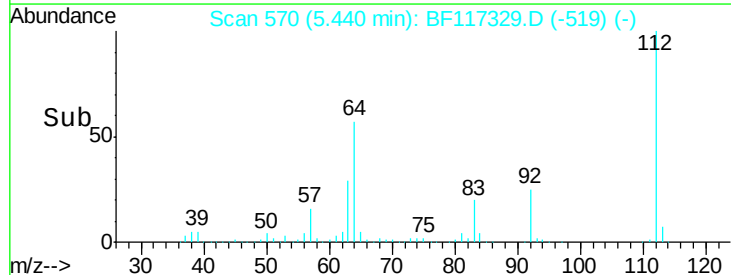
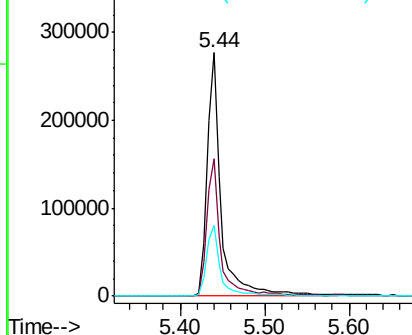


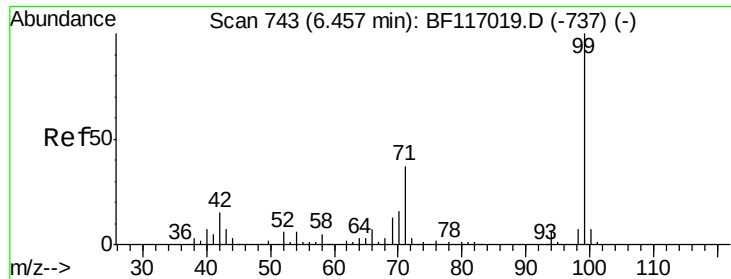
#5
 2-Fluorophenol
 Concen: 93.908 ng
 RT: 5.44 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: BF117329.D
 Acq: 3 Oct 2019 21:06

Tgt Ion:112 Resp: 320651
 Ion Ratio Lower Upper
 112 100
 64 56.6 45.7 68.5
 63 28.9 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: 103.626 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117329.D

Acq: 3 Oct 2019 21:06

Instrument :

BNA_F

ClientSampleId :

NB-08-100219

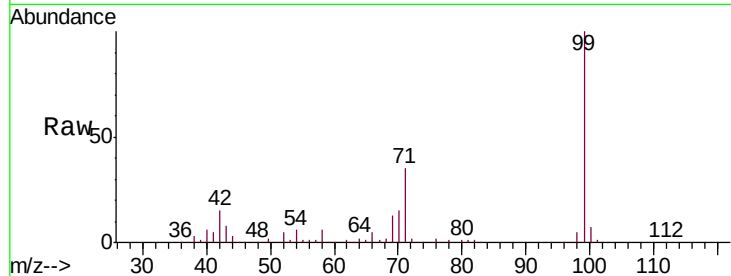
Tgt Ion: 99 Resp: 457277

Ion Ratio Lower Upper

99 100

42 15.4 12.2 18.2

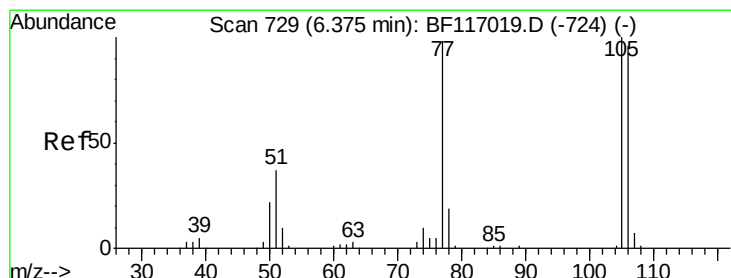
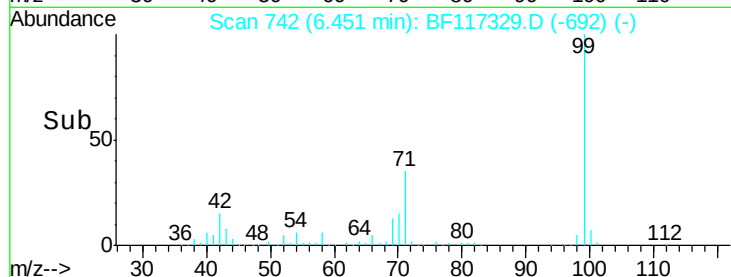
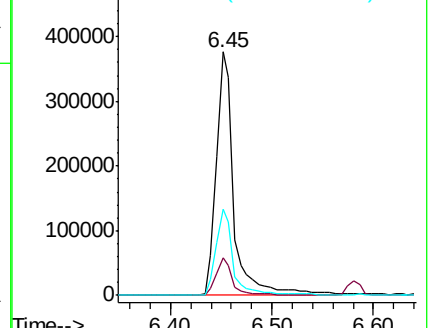
71 35.2 29.8 44.8



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: 6.45 min Scan# 742

Delta R.T. 0.08 min

Lab File: BF117329.D

Acq: 3 Oct 2019 21:06

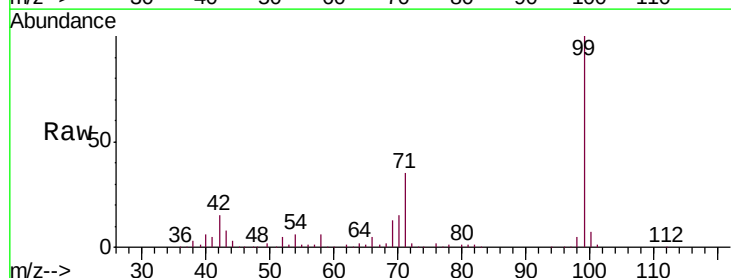
Tgt Ion: 77 Resp: 532

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

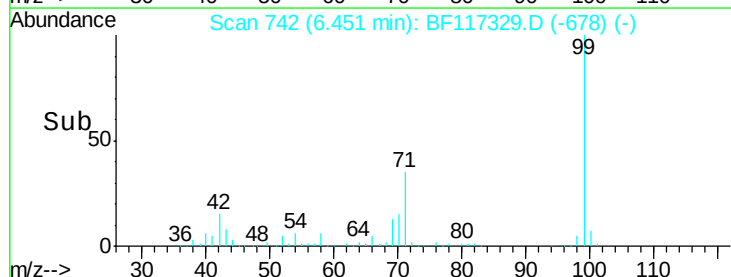
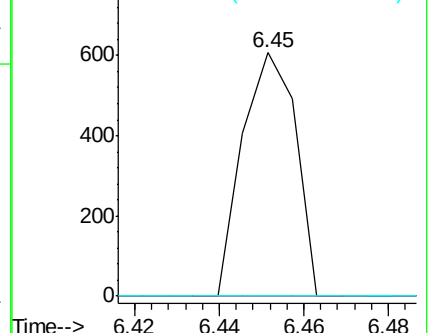
106 0.0 77.3 117.3#

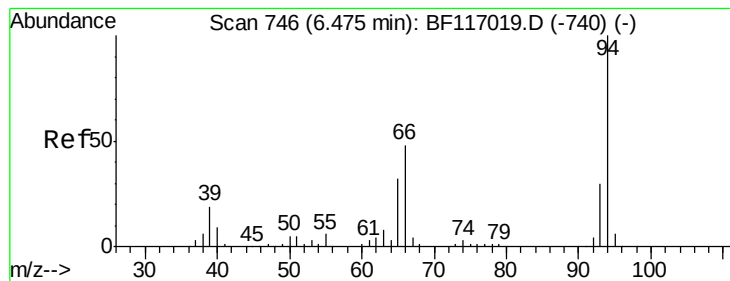


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.658 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF117329.D

Acq: 3 Oct 2019 21:06

Instrument :

BNA_F

ClientSampleId :

NB-08-100219

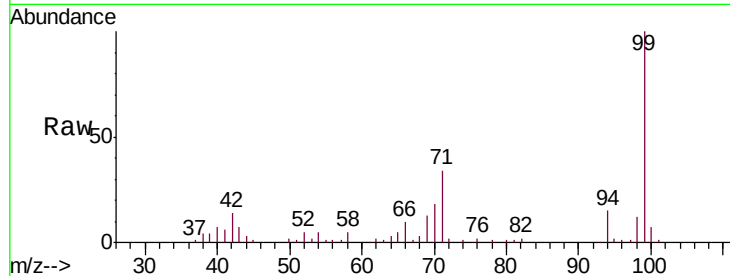
Tgt Ion: 94 Resp: 12929

Ion Ratio Lower Upper

94 100

65 36.2 12.5 52.5

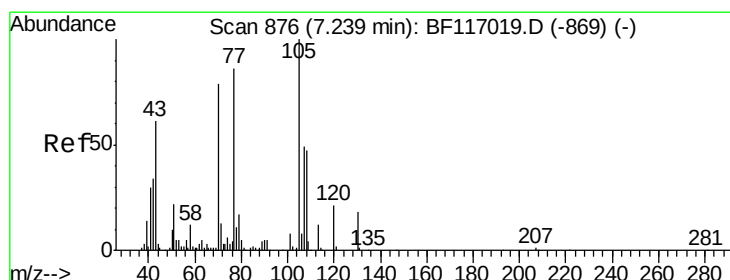
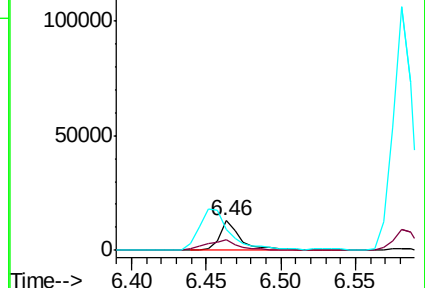
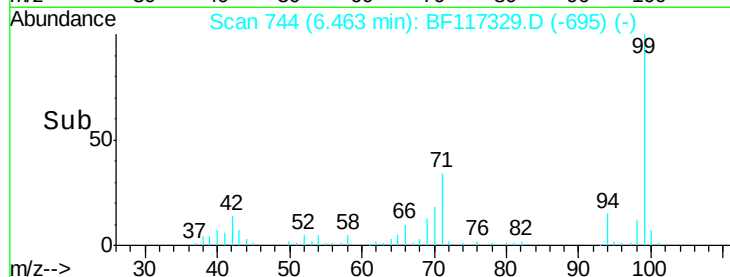
66 70.7 28.9 68.9#



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: 14.108 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.13 min

Lab File: BF117329.D

Acq: 3 Oct 2019 21:06

Tgt Ion: 70 Resp: 37909

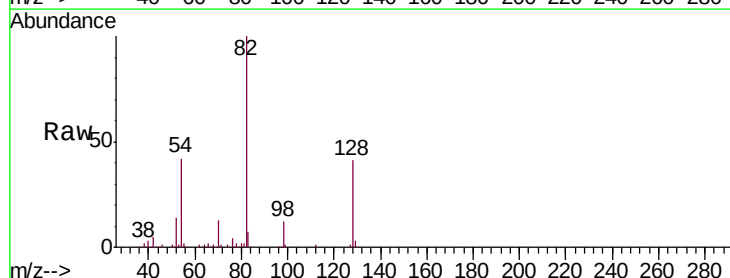
Ion Ratio Lower Upper

70 100

42 37.6 34.0 51.0

101 0.0 7.8 11.6#

130 1.9 17.8 26.8#

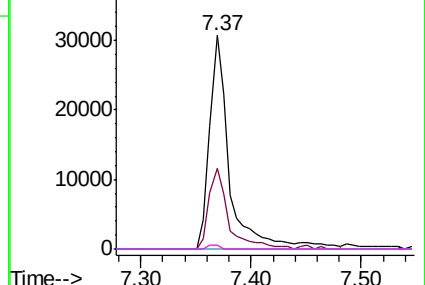
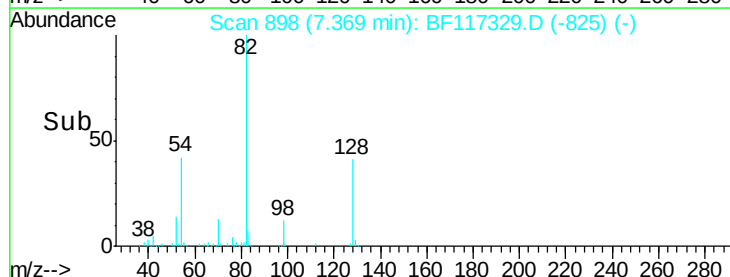


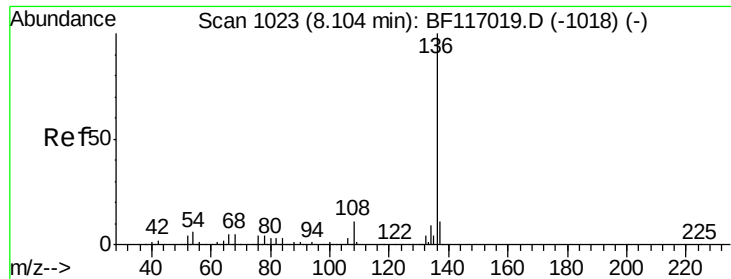
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

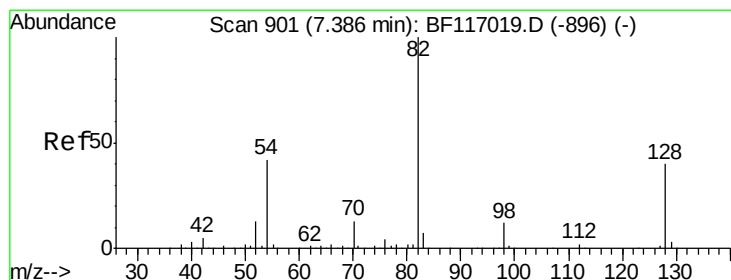
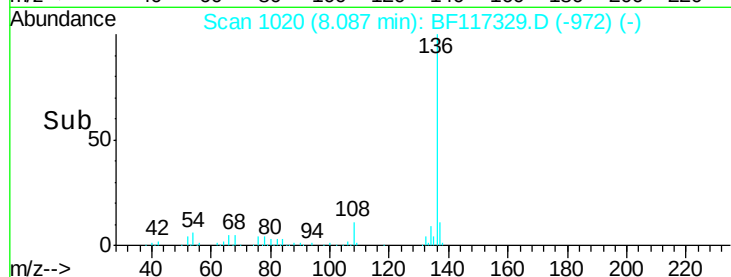
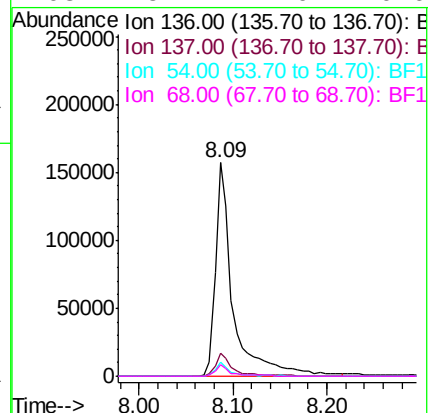
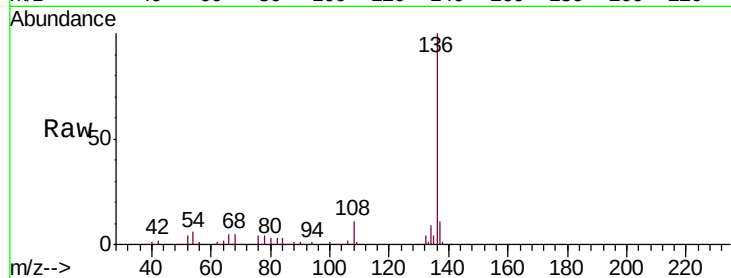




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

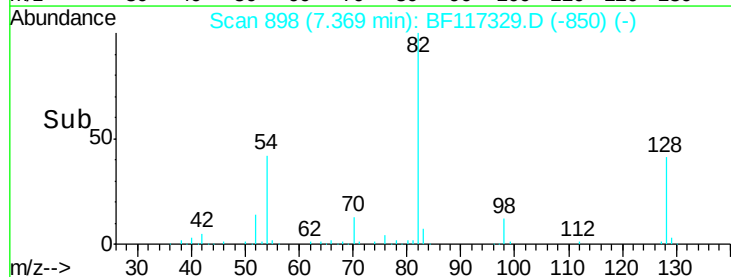
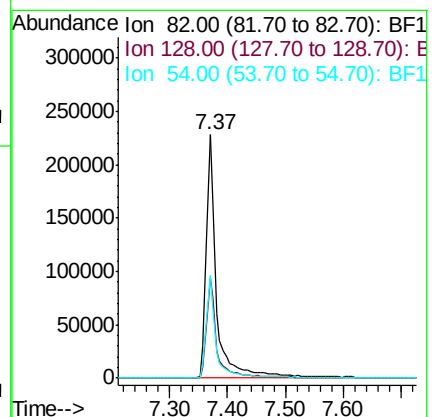
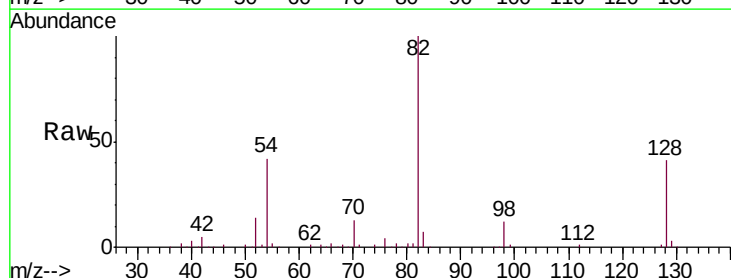
Instrument :
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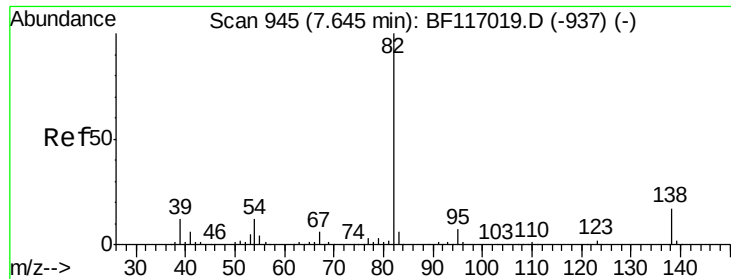
Tgt Ion:	136	Resp:	209020
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	6.4	4.5	6.7
68	5.4	4.0	6.0



#23
Nitrobenzene-d5
Concen: 73.778 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

Tgt Ion:	82	Resp:	293496
Ion	Ratio	Lower	Upper
82	100		
128	41.0	32.3	48.5
54	42.5	33.3	49.9





#25

Isophorone

Concen: 41.668 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.28 min

Lab File: BF117329.D

Acq: 3 Oct 2019 21:06

Instrument :

BNA_F

ClientSampleId :

NB-08-100219

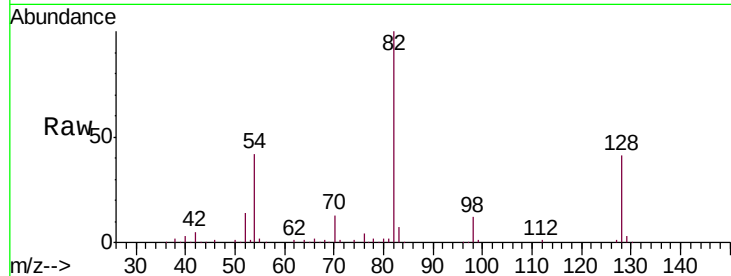
Tgt Ion: 82 Resp: 293494

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

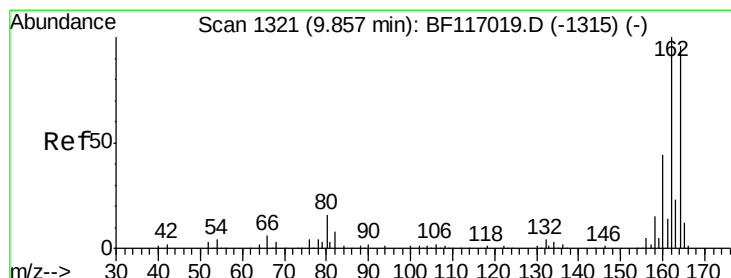
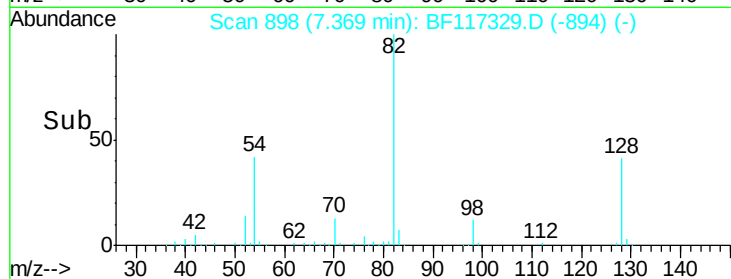
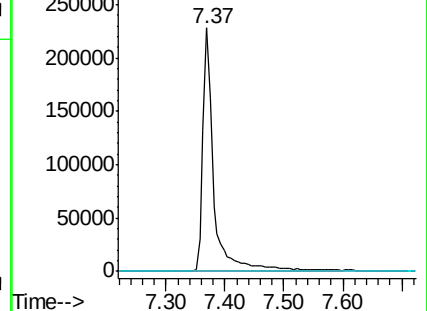
138 0.0 13.5 20.3#



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: 9.84 min Scan# 1318

Delta R.T. -0.02 min

Lab File: BF117329.D

Acq: 3 Oct 2019 21:06

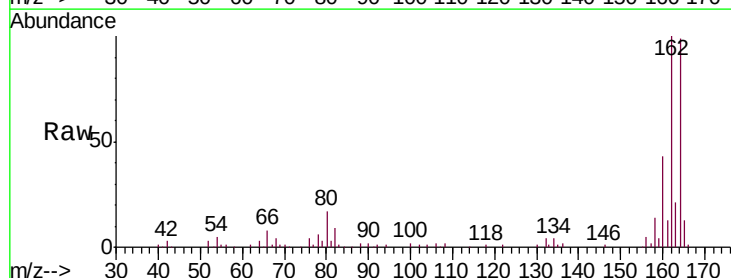
Tgt Ion: 164 Resp: 97282

Ion Ratio Lower Upper

164 100

162 101.0 83.4 125.2

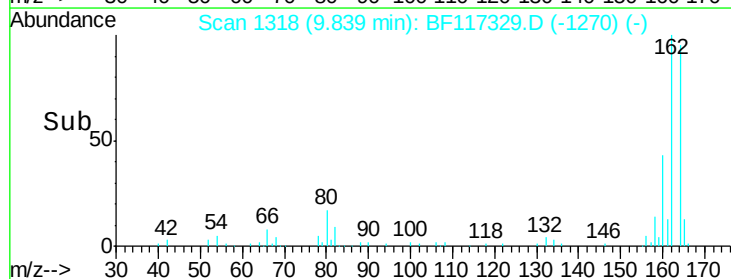
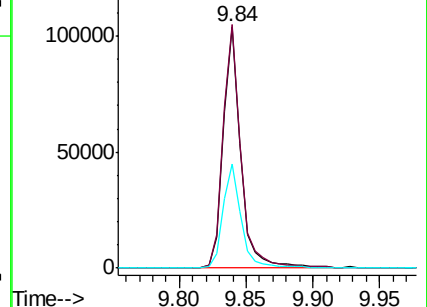
160 43.1 36.4 54.6

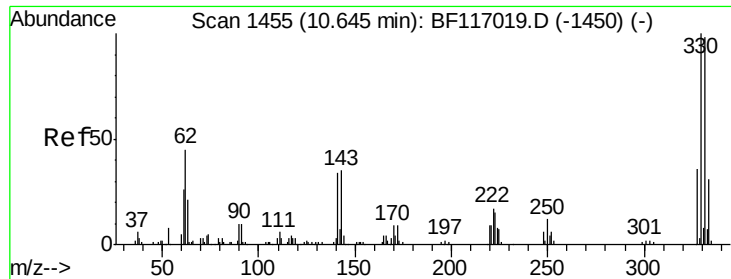


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 82.926 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF117329.D

Acq: 3 Oct 2019 21:06

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NB-08-100219

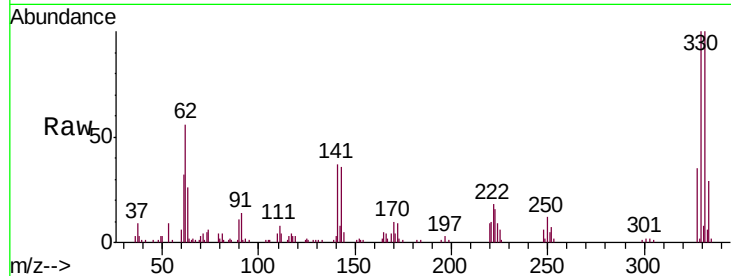
Tgt Ion:330 Resp: 67423

Ion Ratio Lower Upper

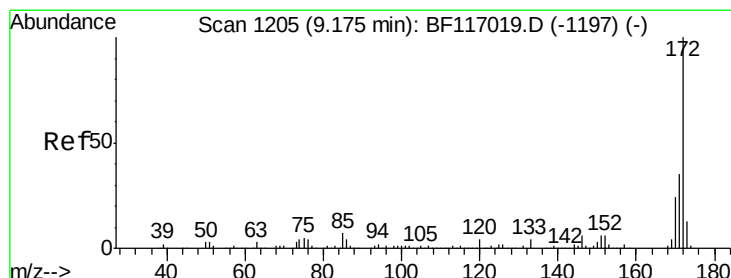
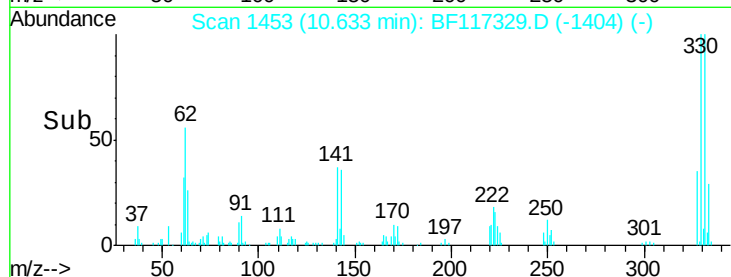
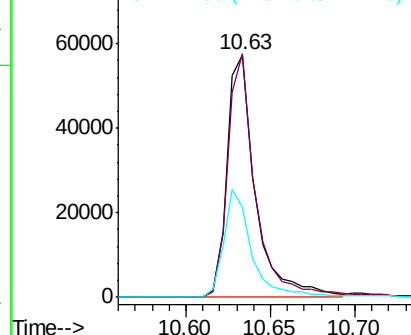
330 100

332 97.7 78.0 117.0

141 43.9 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: 79.082 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF117329.D

Acq: 3 Oct 2019 21:06

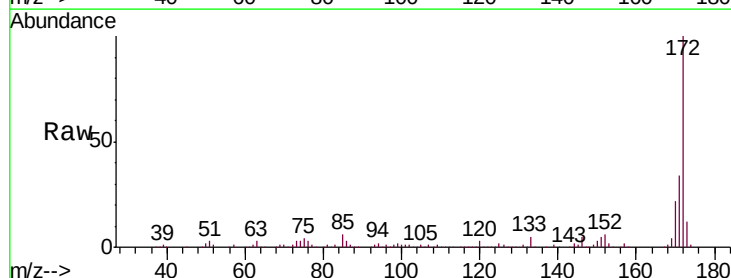
Tgt Ion:172 Resp: 492029

Ion Ratio Lower Upper

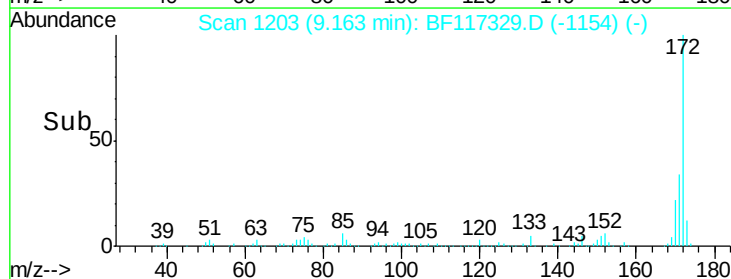
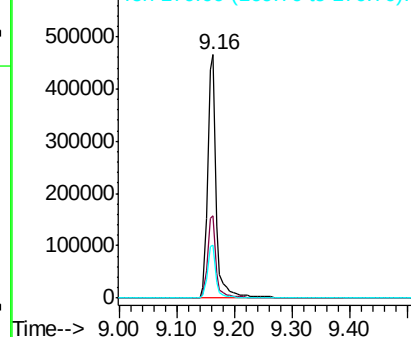
172 100

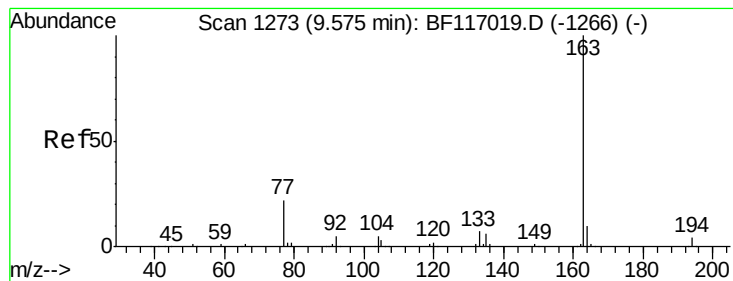
171 33.9 28.2 42.2

170 21.9 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: 7.988 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF117329.D

Acq: 3 Oct 2019 21:06

Instrument :

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NB-08-100219

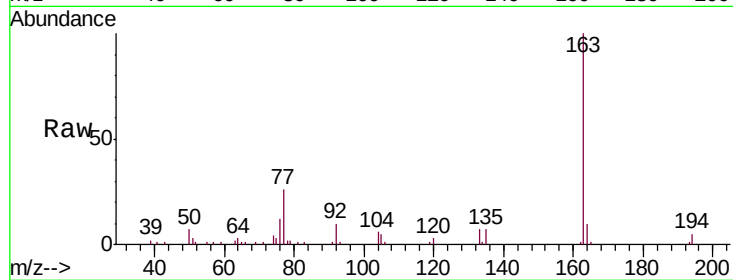
Tgt Ion:163 Resp: 55024

Ion Ratio Lower Upper

163 100

194 4.6 2.9 4.3#

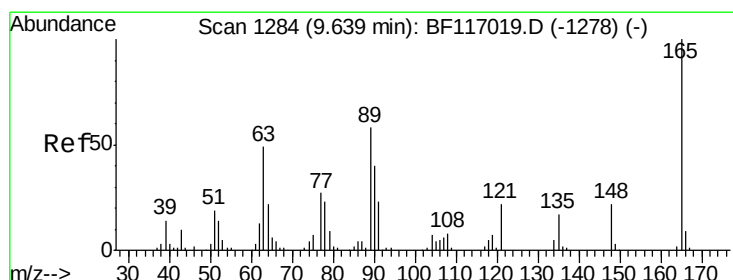
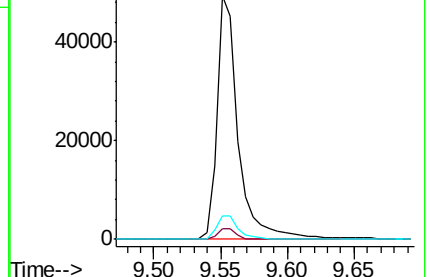
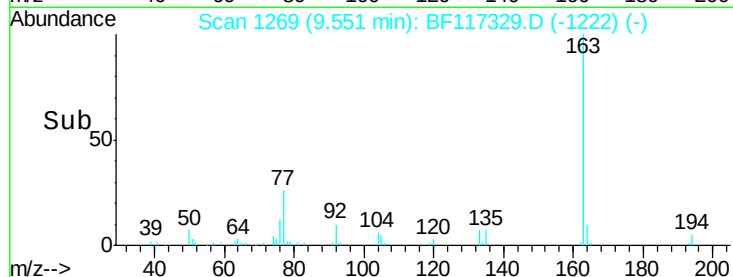
164 9.7 8.2 12.4



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



#51

2,6-Dinitrotoluene

Concen: 8.663 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.20 min

Lab File: BF117329.D

Acq: 3 Oct 2019 21:06

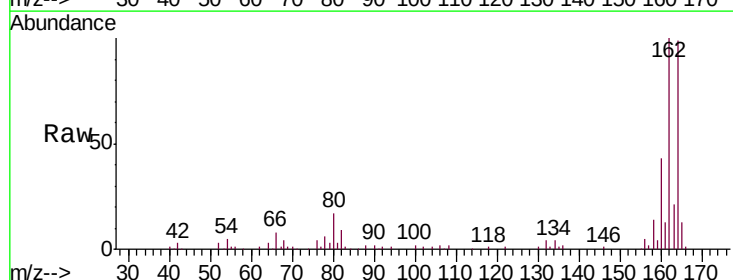
Tgt Ion:165 Resp: 12153

Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.8#

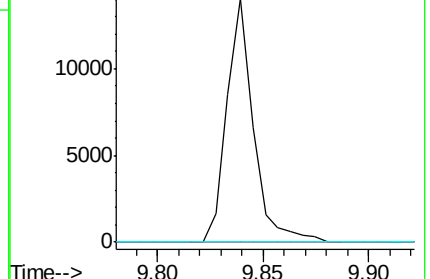
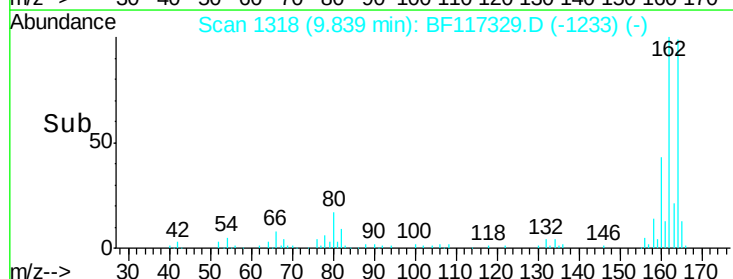
89 0.0 46.5 69.7#

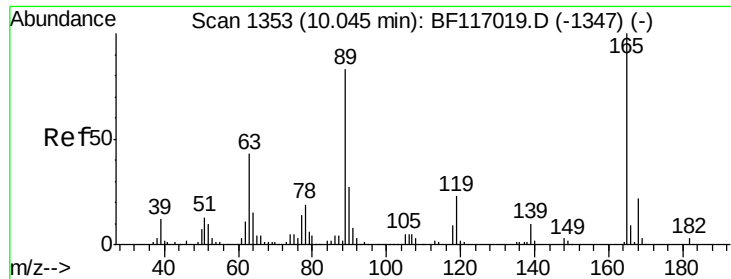


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

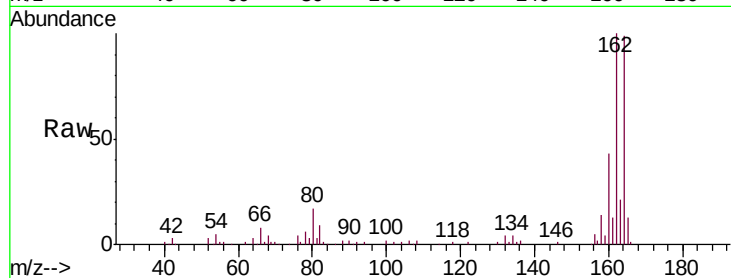




#57
2,4-Dinitrotoluene
Concen: 6.674 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.21 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

Instrument :
BNA_F
ClientSampleId :
NB-08-100219

Tgt Ion:	165	Resp:	12153
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#

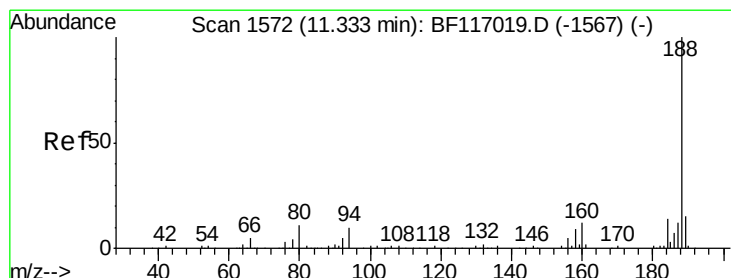
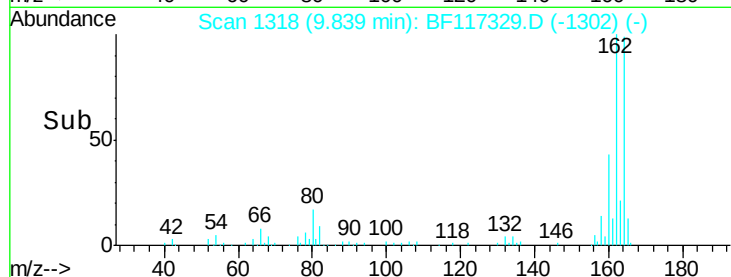
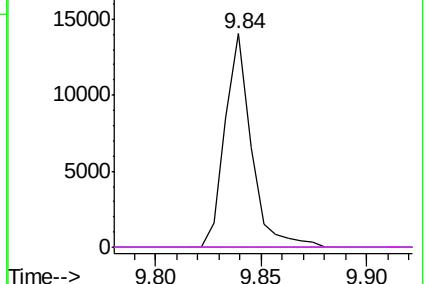


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

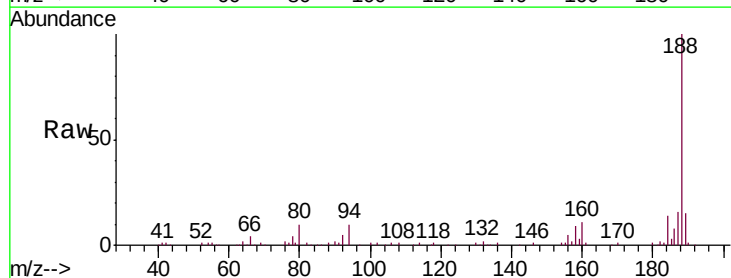
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

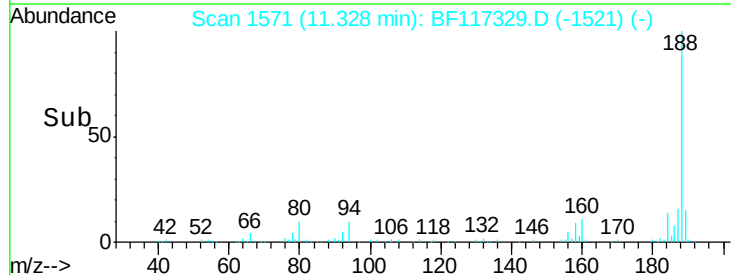
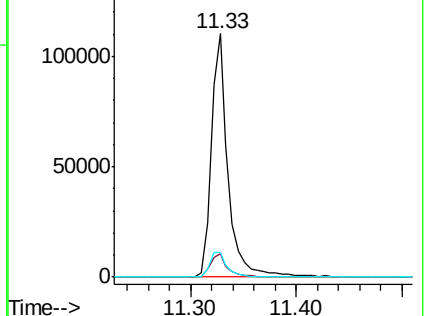
Tgt Ion:	188	Resp:	122347
Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.2	12.2
80	10.4	9.0	13.6

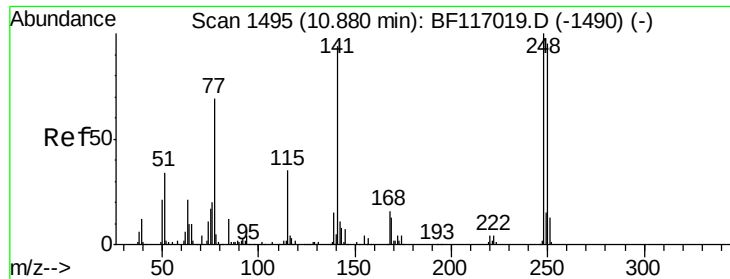


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

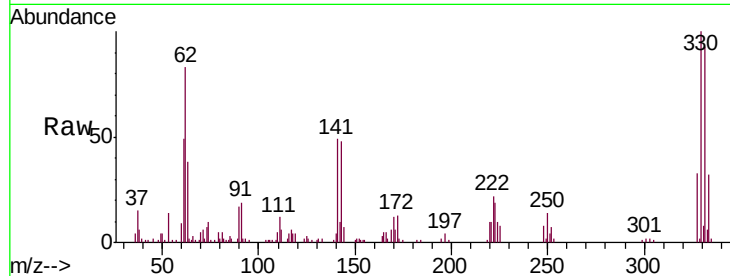




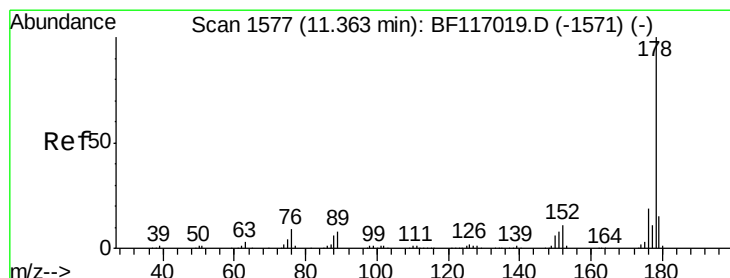
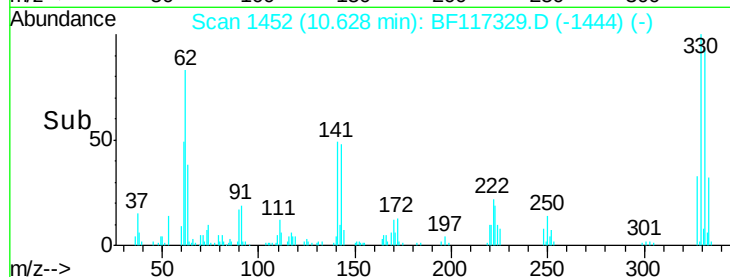
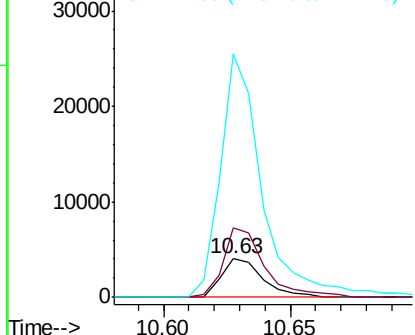
#67
 4-Bromophenyl-phenylether
 Concen: 3.690 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.25 min
 Lab File: BF117329.D
 Acq: 3 Oct 2019 21:06

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-100219

Tgt Ion: 248 Resp: 4611
 Ion Ratio Lower Upper
 248 100
 250 180.7 76.2 114.4#
 141 628.9 75.0 112.4#

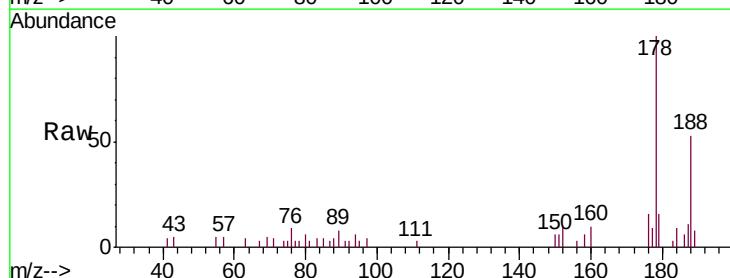


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

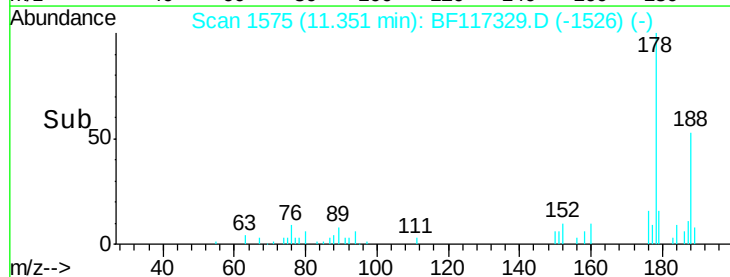
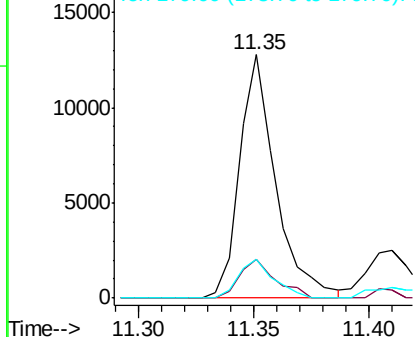


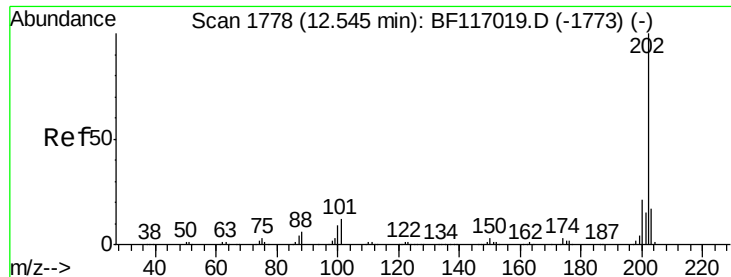
#71
 Phenanthrene
 Concen: 2.013 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF117329.D
 Acq: 3 Oct 2019 21:06

Tgt Ion: 178 Resp: 13989
 Ion Ratio Lower Upper
 178 100
 176 16.0 15.4 23.2
 179 16.0 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: 4.627 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF117329.D

Acq: 3 Oct 2019 21:06

Instrument :

BNA_F

ClientSampleId :

NB-08-100219

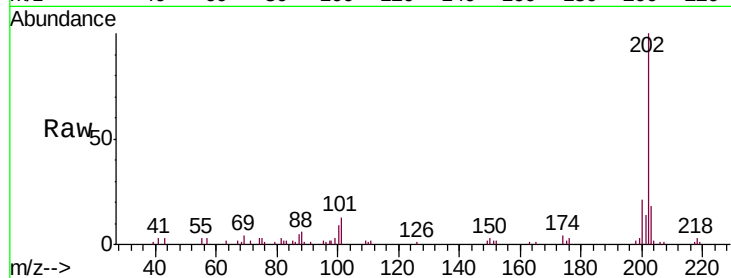
Tgt Ion: 202 Resp: 33041

Ion Ratio Lower Upper

202 100

101 13.4 0.0 32.3

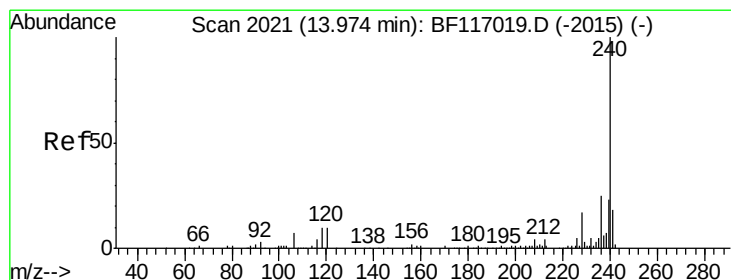
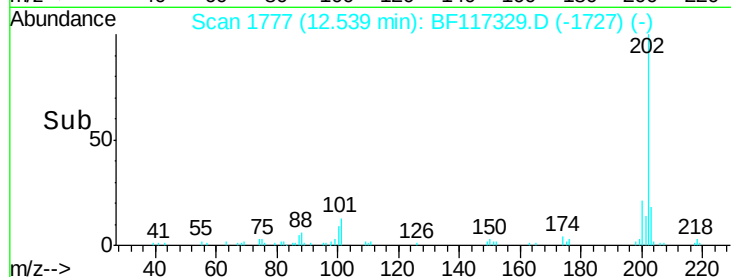
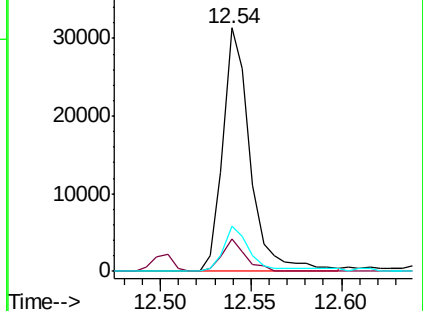
203 18.3 0.0 37.1



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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF117329.D

Acq: 3 Oct 2019 21:06

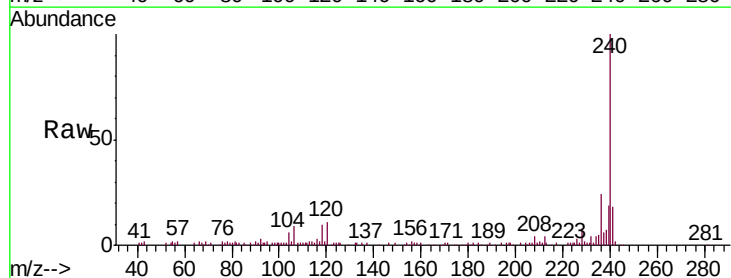
Tgt Ion: 240 Resp: 79754

Ion Ratio Lower Upper

240 100

120 11.2 8.3 12.5

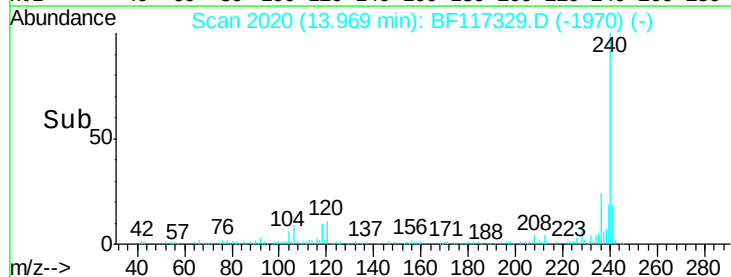
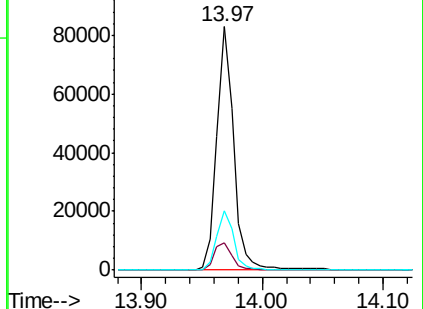
236 24.2 20.3 30.5

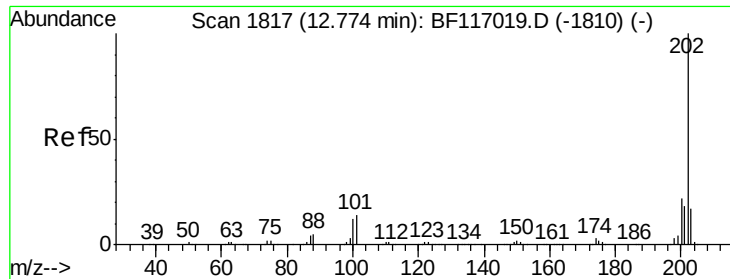


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

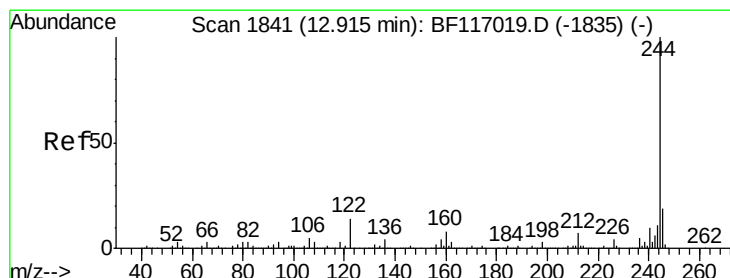
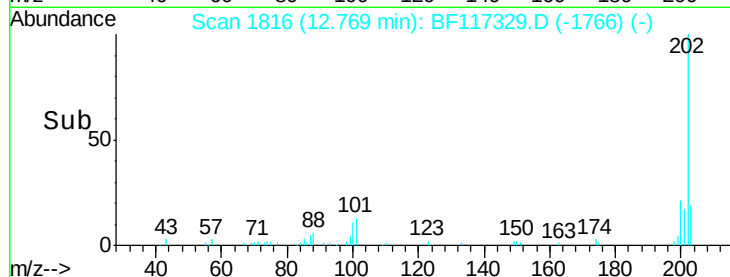
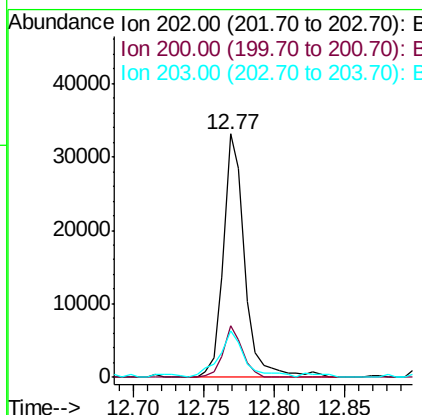
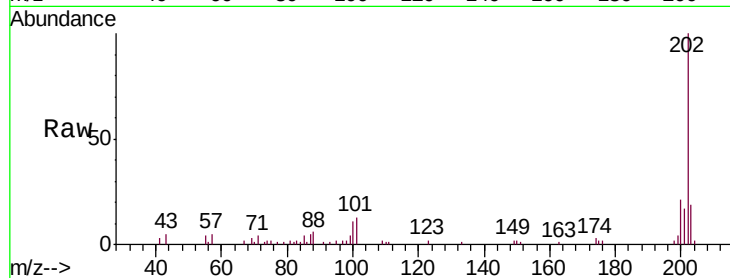




#78
 Pyrene
 Concen: 5.209 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: BF117329.D
 Acq: 3 Oct 2019 21:06

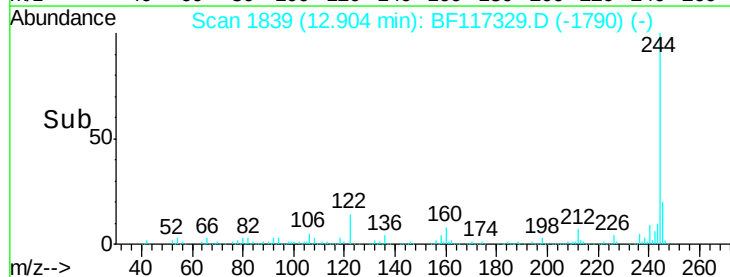
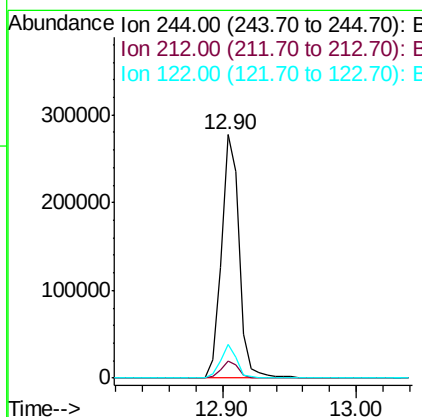
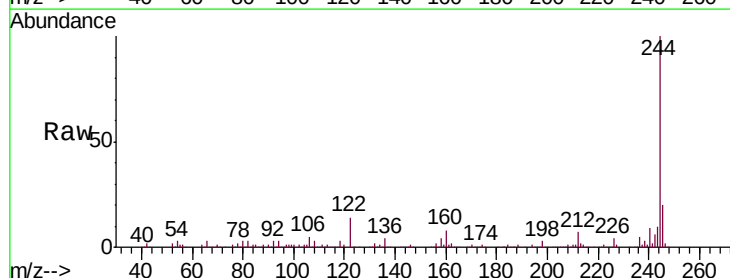
Instrument :
 BNA_F
 ClientSampleId :
 NB-08-100219

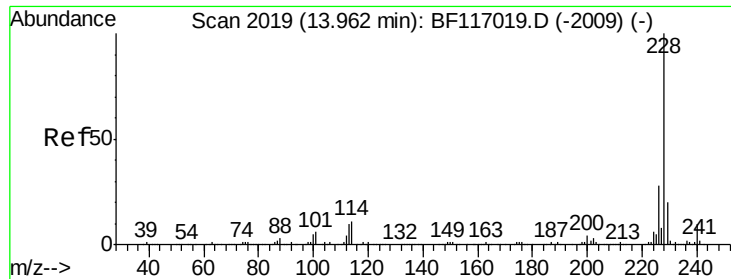
Tgt Ion: 202 Resp: 34860
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.2 25.8
 203 19.0 14.0 21.0



#79
 Terphenyl-d14
 Concen: 61.390 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF117329.D
 Acq: 3 Oct 2019 21:06

Tgt Ion: 244 Resp: 261931
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.8
 122 13.6 11.3 16.9

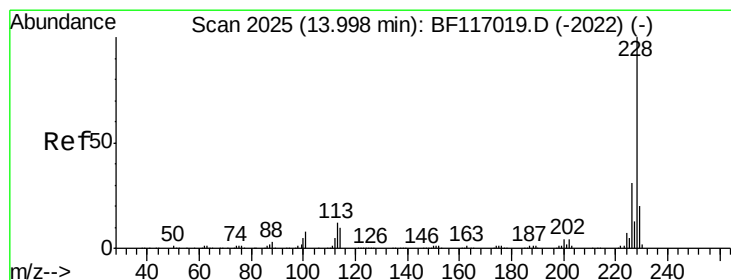
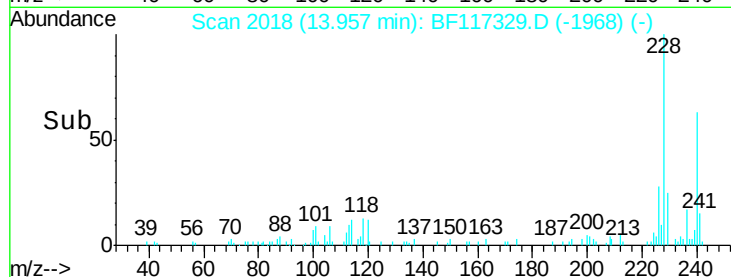
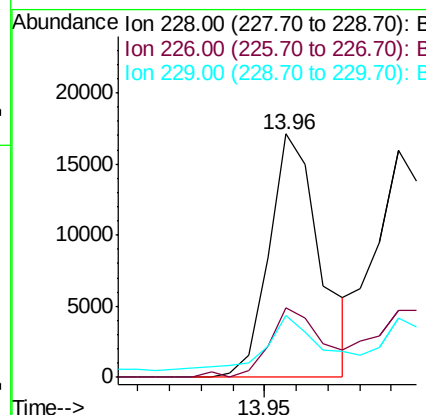
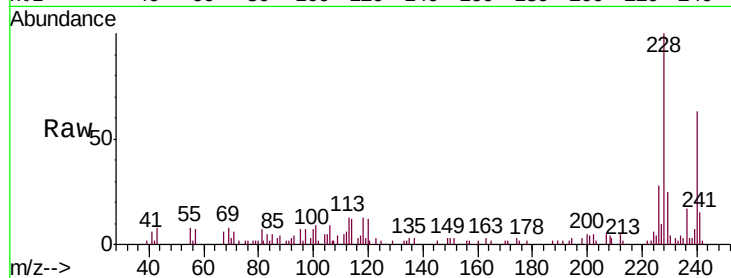




#81
Benzo(a)anthracene
Concen: 3.606 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

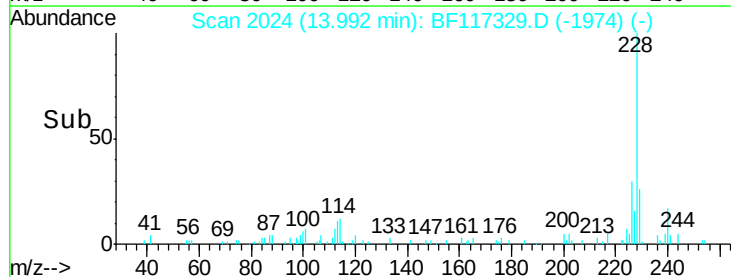
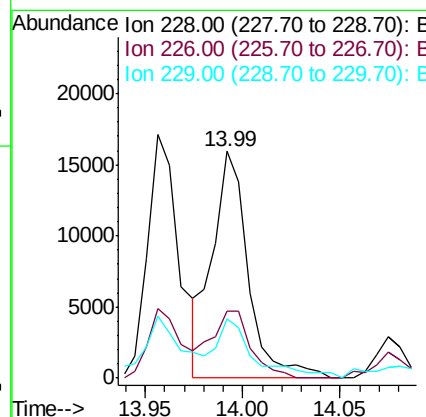
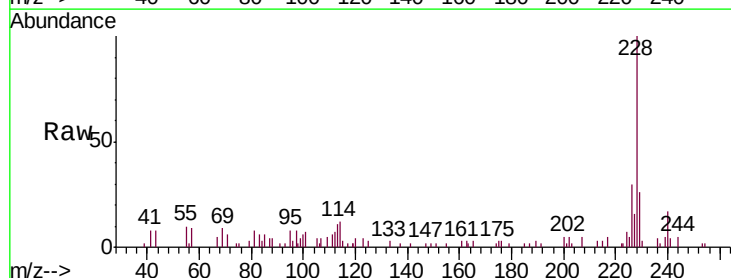
Instrument :
BNA_F
ClientSampleId :
NB-08-100219

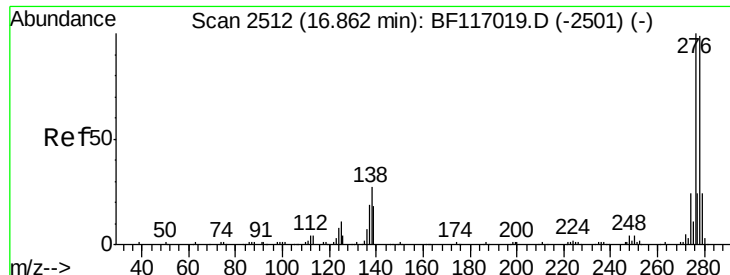
Tgt Ion: 228 Resp: 19216
Ion Ratio Lower Upper
228 100
226 28.4 22.3 33.5
229 25.2 15.9 23.9#



#83
Chrysene
Concen: 3.920 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

Tgt Ion: 228 Resp: 20374
Ion Ratio Lower Upper
228 100
226 29.6 24.8 37.2
229 26.2 15.8 23.8#





#86

Indeno(1,2,3-cd)pyrene

Concen: 4.353 ng

RT: 16.88 min Scan# 2515

Delta R.T. 0.02 min

Lab File: BF117329.D

Acq: 3 Oct 2019 21:06

Instrument :

BNA_F

ClientSampleId :

NB-08-100219

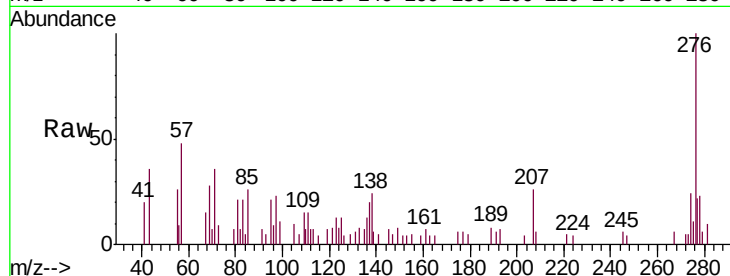
Tgt Ion:276 Resp: 16504

Ion Ratio Lower Upper

276 100

138 23.9 20.7 31.1

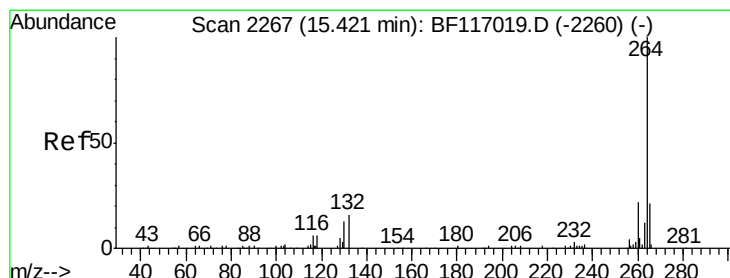
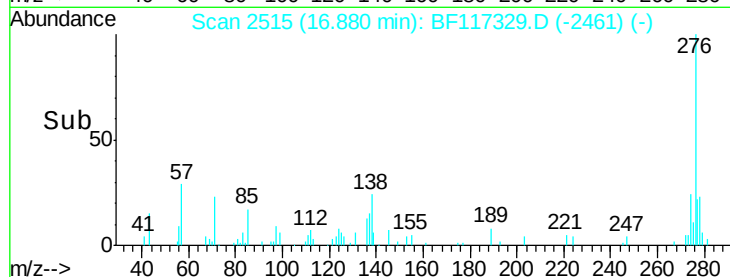
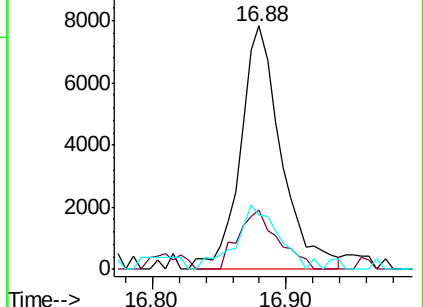
277 26.8 19.8 29.8



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. 0.00 min

Lab File: BF117329.D

Acq: 3 Oct 2019 21:06

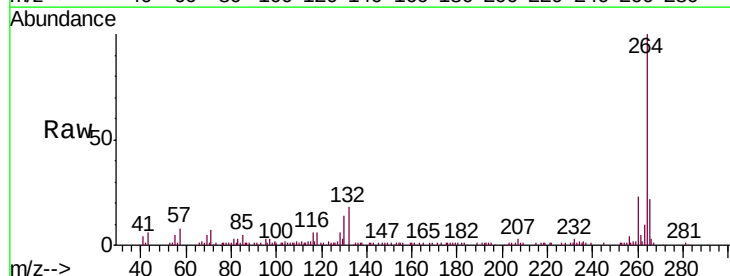
Tgt Ion:264 Resp: 93960

Ion Ratio Lower Upper

264 100

260 22.8 17.6 26.4

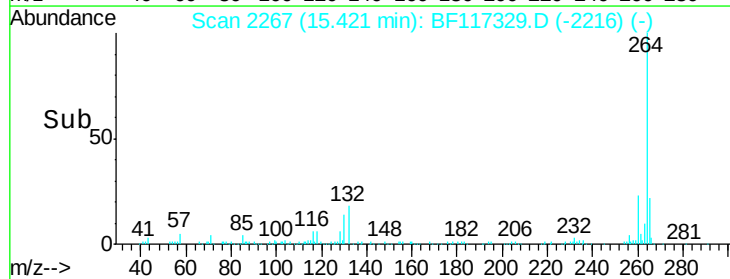
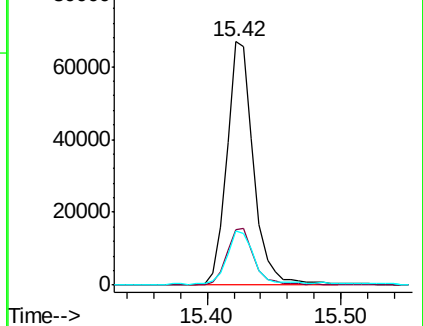
265 22.1 16.6 24.8

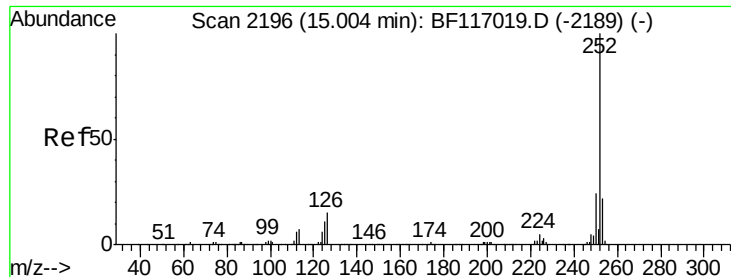


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 7.586 ng

RT: 15.00 min Scan# 2196

Delta R.T. 0.00 min

Lab File: BF117329.D

Acq: 3 Oct 2019 21:06

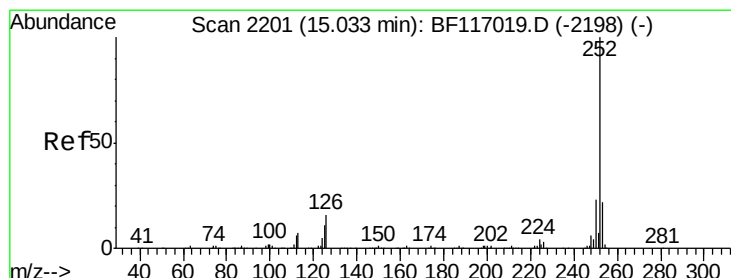
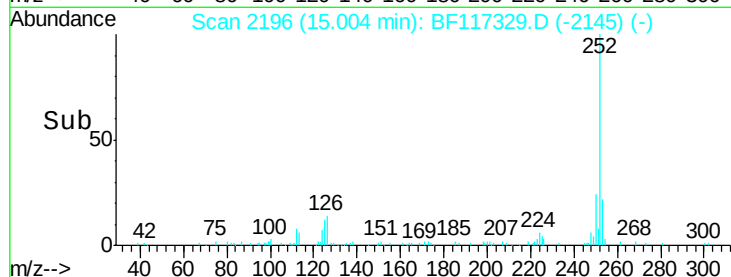
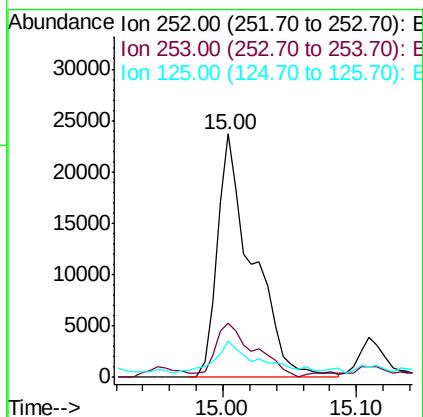
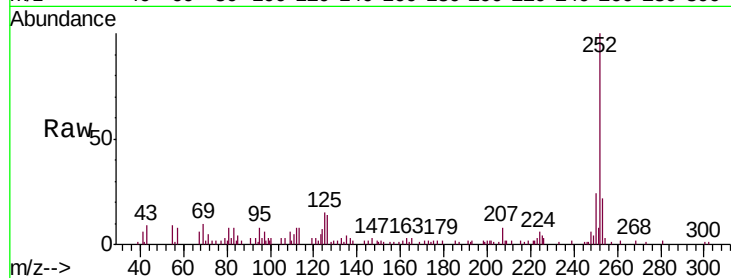
Instrument :

BNA_F

ClientSampleId :

NB-08-100219

Tgt Ion:	252	Resp:	43175
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	14.8	8.6	12.8#



#89

Benzo(k)fluoranthene

Concen: 8.008 ng

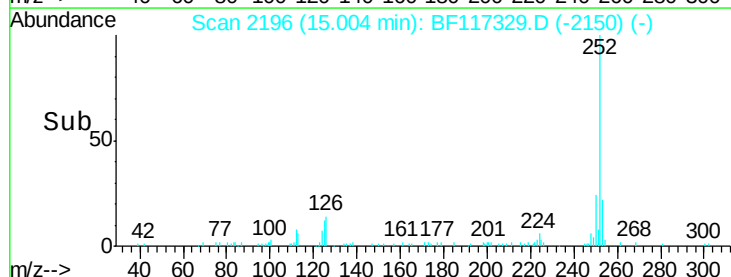
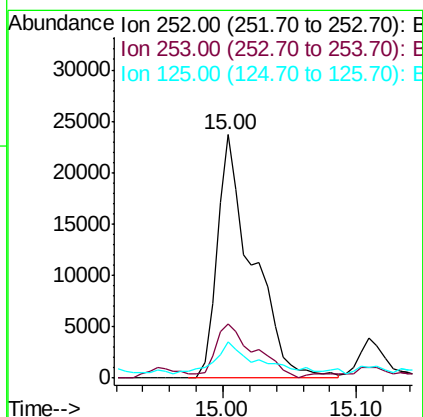
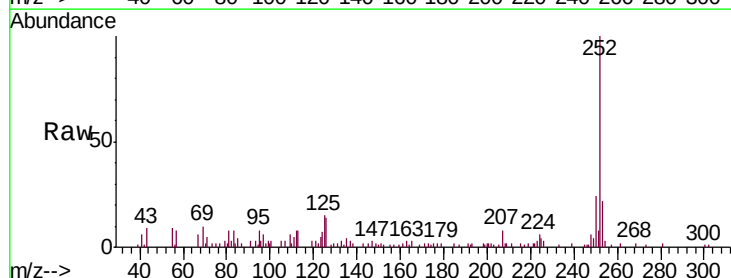
RT: 15.00 min Scan# 2196

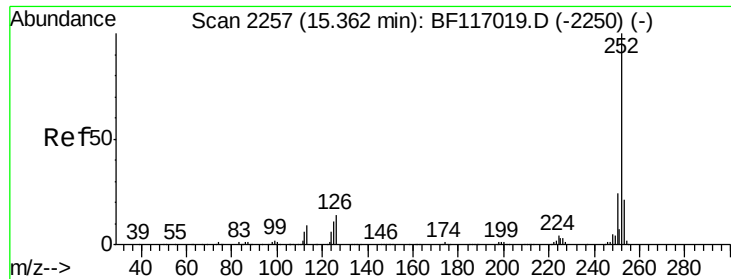
Delta R.T. -0.03 min

Lab File: BF117329.D

Acq: 3 Oct 2019 21:06

Tgt Ion:	252	Resp:	43175
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	14.8	8.8	13.2#





#90

Benzo(a)pyrene

Concen: 5.029 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.00 min

Lab File: BF117329.D

Acq: 3 Oct 2019 21:06

Instrument :

BNA_F

ClientSampleId :

NB-08-100219

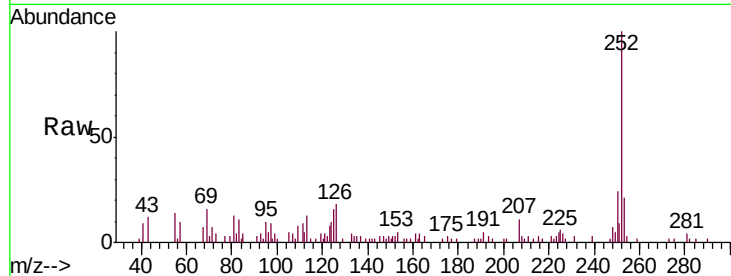
Tgt Ion:252 Resp: 25119

Ion Ratio Lower Upper

252 100

253 21.0 16.6 25.0

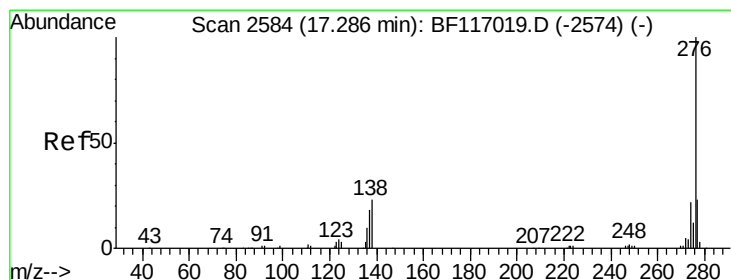
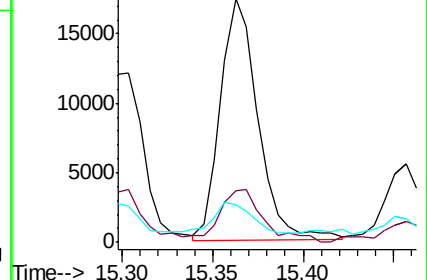
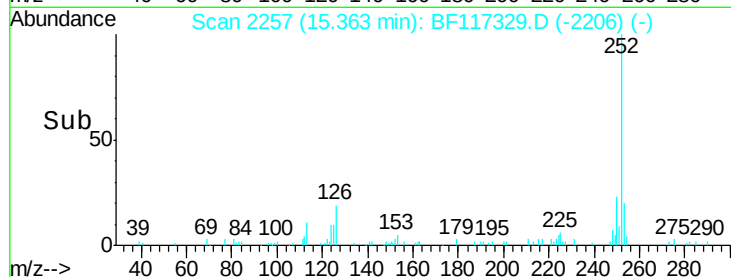
125 15.6 8.9 13.3#



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: 4.368 ng

RT: 17.32 min Scan# 2590

Delta R.T. 0.04 min

Lab File: BF117329.D

Acq: 3 Oct 2019 21:06

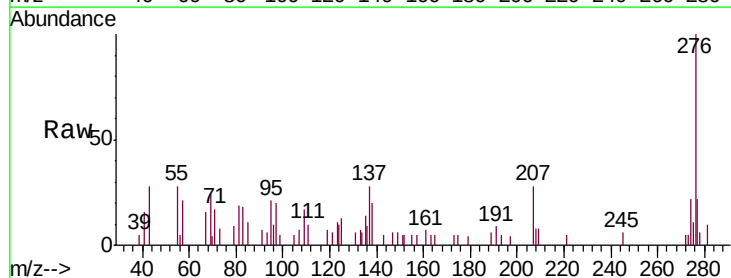
Tgt Ion:276 Resp: 17316

Ion Ratio Lower Upper

276 100

277 21.6 18.6 27.8

138 20.1 18.0 27.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

